

Supplementary Table 2: Differentially expressed genes BJ3Z vs NMF (FDR<0.05)

Gene symbol	RefSeq	p-value	t	Mean (BJ3Z)	Mean (NMF)	MeanRatio (BJ3Z/NMF)	MeanDiff (BJ3Z-NMF)	FoldChange (BJ3Z/NMF)
Gm773	BC147685	7.26E-06	30.0968	9.88618	3.37658	91.114	6.5096	91.114
Msln	NM_018857	2.25E-06	40.357	11.2595	5.08913	72.022	6.17037	72.022
Xist	NR_001463	1.31E-06	46.2043	9.42412	3.33347	68.1503	6.09065	68.1503
Ott	NM_011022	2.19E-06	40.6338	9.46352	3.58117	58.988	5.88235	58.988
Ott	NM_011022	1.51E-06	44.5813	9.47381	3.59315	58.9189	5.88066	58.9189
Gm15107	NM_001081648	3.41E-06	36.3759	9.47436	3.59908	58.6994	5.87527	58.6994
Nes	NM_016701	2.45E-06	39.5268	9.88876	4.02924	58.0618	5.85952	58.0618
Luzp4	NM_001114383	9.36E-07	50.2852	9.41785	3.60756	56.114	5.81029	56.114
Ott	NM_011022	1.76E-06	42.9548	9.37662	3.59285	55.0917	5.78376	55.0917
Ott	NM_011022	2.53E-06	39.2134	9.36843	3.70373	50.7276	5.6647	50.7276
Ott	NM_011022	2.53E-06	39.2134	9.36843	3.70373	50.7276	5.6647	50.7276
Gatm	NM_025961	5.68E-06	32	9.6378	4.05152	48.044	5.58628	48.044
Ott	NM_011022	3.22E-06	36.8882	9.32421	3.73869	48.0187	5.58552	48.0187
Ott	NM_011022	2.09E-06	41.1301	9.17178	3.67726	45.0831	5.49452	45.0831
Blnk	NM_008528	1.16E-05	26.7438	9.54217	4.05566	44.8337	5.48651	44.8337
Ott	NM_011022	2.89E-06	37.9285	9.17135	3.69852	44.4106	5.47283	44.4106
Ott	NM_011022	2.15E-06	40.8193	8.96061	3.57299	41.8634	5.38762	41.8634
Aspa	NM_023113	4.12E-05	19.4451	9.30055	4.15038	35.5105	5.15017	35.5105
Cyp2c55	NM_028089	4.64E-06	33.6813	8.71073	3.59462	34.6818	5.11611	34.6818
Cbr2	NM_007621 ENSMUST0000011186	0.000518	10.2126	10.6068	5.62802	31.5325	4.97877	31.5325
Gm5930	4	4.93E-05	18.5856	8.07048	3.18053	29.6498	4.88995	29.6498
Gm7609	NM_001081746	3.86E-06	35.2581	9.20729	4.50251	26.0784	4.70478	26.0784
Itga3	NM_013565	9.01E-06	28.5052	9.58377	4.89606	25.7715	4.68771	25.7715
Cfh	NM_009888	0.001273	8.08243	10.8113	6.19881	24.463	4.61253	24.463
Gm7609	NM_001081746	1.13E-05	26.932	8.89621	4.37034	23.0367	4.52587	23.0367
Gm5622	NM_001013816	4.25E-05	19.2926	7.96786	3.52293	21.7801	4.44494	21.7801
Sox2	NM_011443	4.52E-05	19.0026	8.84674	4.40212	21.7753	4.44462	21.7753

Ces1f	NM_144930	5.42E-05	18.1457	8.24545	3.83288	21.2969	4.41257	21.2969
2610305D13Rik	NM_145078	2.48E-05	22.0919	7.18163	2.80971	20.7051	4.37191	20.7051
Aim2	NM_001013779	5.19E-05	18.3524	8.0953	3.74923	20.3375	4.34607	20.3375
	---	1.15E-05	26.7948	9.0128	4.68955	20.0183	4.32325	20.0183
Gm5622	NM_001013816	0.000124	14.7044	7.86654	3.56164	19.7653	4.3049	19.7653
Herc3	NM_028705	1.43E-05	25.3822	9.42444	5.21771	18.4652	4.20673	18.4652
Rex2	NM_009051	3.09E-06	37.2977	9.20052	5.03243	17.9771	4.16809	17.9771
Csprs	NM_033616	2.58E-05	21.8771	8.4457	4.2779	17.9735	4.1678	17.9735
Klhl30	NM_027551	8.10E-05	16.3944	8.89642	4.74162	17.8123	4.1548	17.8123
Crmp1	NM_007765	2.59E-05	21.8561	8.97037	4.85144	17.3748	4.11893	17.3748
Tspan15	NM_197996	8.95E-06	28.5598	9.02092	4.91402	17.2307	4.10691	17.2307
Cadm1	NM_207675	5.92E-05	17.7498	9.00621	4.9009	17.2115	4.1053	17.2115
Gbp9	NM_172777	0.000871	8.92543	8.98347	4.8889	17.084	4.09457	17.084
Csprs	NM_033616	1.74E-05	24.1711	8.25286	4.18929	16.7208	4.06357	16.7208
Prune2	NM_181348	9.95E-06	27.8036	8.54078	4.55915	15.7976	3.98163	15.7976
Samd12	NM_177225	4.45E-05	19.0717	8.72975	4.77083	15.5508	3.95892	15.5508
Xlr	NM_011725	0.000522	10.1935	7.00046	3.04832	15.478	3.95215	15.478
Slx1	NM_029181	6.27E-05	17.4927	7.13373	3.20701	15.2076	3.92672	15.2076
Rgs17	NM_001161822	5.44E-05	18.128	8.27048	4.38765	14.7519	3.88283	14.7519
Gcnt1	NM_173442	0.000161	13.77	8.51572	4.63328	14.748	3.88244	14.748
Plscr2	NM_001195084	0.000103	15.4194	7.75378	3.88071	14.6524	3.87307	14.6524
Itgb8	NM_177290	5.31E-05	18.2408	8.20808	4.33858	14.6162	3.8695	14.6162
Fam134b	NM_001034851	1.46E-05	25.2417	9.24649	5.46098	13.7896	3.78551	13.7896
Itga6	NM_008397	2.45E-05	22.1714	8.27407	4.50118	13.6695	3.77289	13.6695
Vmn2r50	ENSMUST0000008629 8	4.67E-05	18.8423	8.48883	4.72481	13.5857	3.76402	13.5857
3830403N18Rik	NM_027510	0.000306	11.693	6.79949	3.03766	13.5651	3.76183	13.5651
Rims2	NM_053271	5.73E-06	31.941	8.22409	4.47648	13.4321	3.74761	13.4321
Gm10058	NM_001109969	0.000116	14.9692	7.31564	3.60406	13.1008	3.71158	13.1008
Scrn1	NM_027268	0.000174	13.5045	10.1916	6.48139	13.0882	3.71019	13.0882
Mustn1	NM_181390	0.001386	7.90419	10.8906	7.19837	12.9266	3.69227	12.9266

Pde3b	NM_011055	2.12E-05	22.9942	9.13237	5.45117	12.8278	3.68121	12.8278
Zfp772	BC023179	1.59E-05	24.7151	8.36801	4.69233	12.7787	3.67567	12.7787
Crabp2	NM_007759	0.000299	11.7624	9.62704	5.95321	12.7624	3.67383	12.7624
Tmem74	NM_175502	9.71E-06	27.979	7.51722	3.86118	12.606	3.65603	12.606
Epb4.114a	NM_013512	1.48E-06	44.853	8.28537	4.632	12.5826	3.65336	12.5826
Gm10058	NM_001109969	8.92E-05	15.9995	7.6614	4.0104	12.562	3.651	12.562
Gm10058	NM_001109969	8.92E-05	15.9995	7.6614	4.0104	12.562	3.651	12.562
Lama5	NM_001081171	4.78E-07	59.4823	9.19832	5.58398	12.2469	3.61434	12.2469
Gabrb3	NM_008071	2.02E-05	23.2854	7.90799	4.2984	12.2066	3.60959	12.2066
C130026I21Rik	NM_175219	3.93E-05	19.6803	7.93363	4.32669	12.1842	3.60694	12.1842
4930528F23Rik	NM_029197	0.002387	6.84257	6.39718	2.80106	12.0931	3.59611	12.0931
Pax3	NM_008781	8.24E-06	29.1586	8.60785	5.03846	11.8712	3.56939	11.8712
Gm10058	NM_001109969	8.50E-05	16.1982	7.59464	4.03725	11.7729	3.55739	11.7729
Gm10058	NM_001109969	8.50E-05	16.1982	7.59464	4.03725	11.7729	3.55739	11.7729
Col18a1	NM_009929	7.89E-07	52.4736	9.86335	6.30602	11.7723	3.55732	11.7723
Osbpl3	NM_027881	0.000179	13.4158	9.45104	5.91173	11.6263	3.53931	11.6263
Adh7	NM_009626	0.000641	9.66601	11.5288	8.00619	11.4921	3.52257	11.4921
Aldh3a1	NM_007436	0.001271	8.08537	12.0718	8.55346	11.4585	3.51835	11.4585
Tinagl1	NM_023476	9.61E-06	28.0492	9.76805	6.27067	11.2932	3.49738	11.2932
Kcnn4	NM_008433	2.52E-05	22.0237	8.87866	5.39019	11.2237	3.48847	11.2237
Pde1b	NM_008800	0.000344	11.3429	9.15644	5.67831	11.1435	3.47813	11.1435
Cdh6	NM_007666	0.000118	14.8972	7.9585	4.48323	11.1214	3.47527	11.1214
Prune2	NM_181348	3.42E-05	20.3862	8.44423	4.96968	11.1159	3.47456	11.1159
Cdh26	NM_198656	0.00067	9.5541	7.64636	4.17323	11.1049	3.47312	11.1049
Gm10058	NM_001109969	8.64E-05	16.1306	7.6025	4.138	11.0387	3.4645	11.0387
Gm10058	NM_001109969	8.64E-05	16.1306	7.6025	4.138	11.0387	3.4645	11.0387
Gm10058	NM_001109969	8.64E-05	16.1306	7.6025	4.138	11.0387	3.4645	11.0387
Gm10058	NM_001109969	8.64E-05	16.1306	7.6025	4.138	11.0387	3.4645	11.0387
Gm10058	NM_001109969	8.64E-05	16.1306	7.6025	4.138	11.0387	3.4645	11.0387
	---	0.00257	6.70825	7.17055	3.70867	11.0187	3.46188	11.0187
Igf2bp3	NM_023670	2.58E-06	38.9942	7.94166	4.48535	10.9762	3.4563	10.9762

2310002L13Rik	ENSMUST0000002539 0	6.86E-05	17.1019	7.00606	3.5627	10.8782	3.44336	10.8782
Ralgps2	NM_001159965	6.71E-07	54.6462	7.76347	4.3604	10.5785	3.40307	10.5785
Ctsc	NM_009982	0.002978	6.44768	9.34183	5.941	10.5622	3.40083	10.5622
Pip5k1b	NM_008846	4.51E-05	19.0066	7.52129	4.1604	10.2737	3.36089	10.2737
1700008I05Rik	NM_027952	0.000352	11.2789	6.83255	3.47929	10.2195	3.35326	10.2195
	---	0.001257	8.11046	7.0736	3.72387	10.1945	3.34972	10.1945
Igf2bp1	NM_009951	5.20E-05	18.3369	7.83081	4.51089	9.98609	3.31992	9.98609
Mtap2	NM_001039934	7.42E-06	29.9321	7.54563	4.27095	9.67779	3.27468	9.67779
Cmb1	NM_181588	4.27E-05	19.2768	7.36176	4.09317	9.63704	3.26859	9.63704
2810047C21Rik 1	NR_015598	0.000203	12.9893	7.94242	4.67424	9.63435	3.26819	9.63435
	---	0.002124	7.05922	6.20282	2.95435	9.5036	3.24847	9.5036
Col8a1	NM_007739	2.90E-06	37.8725	9.25361	6.00692	9.49188	3.24669	9.49188
Snora2b	NR_034052	0.00044	10.6511	7.88319	4.64326	9.44749	3.23993	9.44749
Hpse	NM_152803	8.38E-05	16.2558	9.32975	6.10022	9.37965	3.22953	9.37965
AU021092	NM_001033220	0.000113	15.083	7.41454	4.18775	9.36182	3.22679	9.36182
Ces1g	NM_021456	1.40E-07	80.898	7.54618	4.33586	9.25557	3.21032	9.25557
Prrg4	NM_178695	0.006732	5.1527	7.43166	4.22827	9.2112	3.20339	9.2112
1700049E17Rik1	ENSMUST0000009598 5	0.000745	9.29513	6.90163	3.71056	9.13289	3.19107	9.13289
4930503E14Rik	NM_029131	3.42E-05	20.3817	7.44721	4.27186	9.03393	3.17535	9.03393
Bcar3	NM_013867	7.71E-06	29.6472	8.31054	5.14405	8.9786	3.16649	8.9786
Gm5169	NM_001040669	0.000165	13.6876	6.93	3.76464	8.97153	3.16535	8.97153
Arhgef33	NM_001145452	0.000114	15.0485	7.2644	4.1261	8.80484	3.1383	8.80484
Csprs	NM_033616	0.00012	14.8387	8.48902	5.36229	8.73451	3.12673	8.73451
Cav2	NM_016900	8.70E-06	28.7592	9.8073	6.684	8.71376	3.12329	8.71376
Pdgfb	NM_011057	0.000273	12.0379	8.47619	5.35867	8.67895	3.11752	8.67895
Scx	NM_198885	0.000104	15.3761	9.882	6.78575	8.5519	3.09625	8.5519
Tll7	NM_027594	1.67E-05	24.4276	8.2177	5.12457	8.53349	3.09314	8.53349
Pcolce2	NM_029620	0.000263	12.1507	8.21413	5.12286	8.52246	3.09127	8.52246
Eps8l2	NM_133191	4.61E-06	33.7248	8.83185	5.7467	8.48643	3.08516	8.48643
Pla2g7	NM_013737	0.000147	14.103	8.55077	5.48431	8.37717	3.06646	8.37717

Robo2	NM_175549	0.000682	9.51063	8.47502	5.41927	8.3152	3.05575	8.3152
	---	3.11E-06	37.2258	9.79592	6.74405	8.29284	3.05187	8.29284
Ppm1e	NM_177167	8.59E-06	28.8487	7.92428	4.87456	8.2805	3.04972	8.2805
Rundc3a	NM_016759	0.000233	12.5335	9.1745	6.12805	8.26173	3.04644	8.26173
Eya1	NM_010164	0.000151	14.0032	7.22708	4.21701	8.05605	3.01007	8.05605
Afap1l2	NM_146102	0.000716	9.3924	9.35565	6.36283	7.96027	2.99282	7.96027
Pla2g5	NM_001122954	0.000312	11.6347	8.27086	5.28135	7.94205	2.98951	7.94205
A630033H20Rik	NM_175442	0.000146	14.1317	6.50303	3.51718	7.92187	2.98584	7.92187
Gprc5a	NM_181444	0.002021	7.1531	7.61784	4.64813	7.83376	2.96971	7.83376
Slc22a23	NM_001033167	0.000149	14.0524	8.11479	5.15942	7.75633	2.95537	7.75633
Lef1	NM_010703	0.000203	12.9877	8.56944	5.61479	7.75245	2.95465	7.75245
Foxd1	NM_008242	4.28E-07	61.1549	7.7945	4.84006	7.75128	2.95443	7.75128
Murc	NM_026509	2.08E-06	41.1552	7.89902	4.95638	7.68819	2.94264	7.68819
1700049E17Rik1	ENSMUST0000010070 1	0.000825	9.05221	6.70439	3.76956	7.64668	2.93483	7.64668
Lgr6	NM_001033409	7.22E-05	16.8803	7.98365	5.04889	7.6463	2.93476	7.6463
Arl4d	NM_025404	0.000174	13.5089	8.80729	5.89451	7.53069	2.91278	7.53069
	---	0.003956	5.96949	6.58083	3.67398	7.4998	2.90685	7.4998
Naip2	NM_010872	0.000436	10.6777	7.60484	4.69851	7.49705	2.90632	7.49705
Apol9b	NM_173743	0.000308	11.6708	8.40558	5.51849	7.39774	2.88708	7.39774
Gbp4	NM_008620	2.80E-05	21.4339	7.99935	5.11368	7.39048	2.88567	7.39048
Fgf5	NM_010203	7.48E-05	16.7314	7.89545	5.03552	7.25983	2.85994	7.25983
Atp6v0e2	NM_133764	3.42E-05	20.386	9.29258	6.45175	7.1643	2.84083	7.1643
Nuak2	NM_001195025	3.19E-05	20.7418	8.16903	5.33029	7.15394	2.83874	7.15394
Exoc6	NM_175353	0.000128	14.6054	7.99515	5.16016	7.13537	2.83499	7.13537
Il18rap	NM_010553	0.000124	14.7156	7.90669	5.08094	7.08985	2.82575	7.08985
Kcnk5	NM_021542	0.000642	9.6623	7.41828	4.59859	7.0601	2.81969	7.0601
Tlr6	NM_011604	0.000181	13.3671	7.3363	4.52857	7.0018	2.80773	7.0018
Gbp8	NM_029509	0.000611	9.7853	6.90935	4.11941	6.91603	2.78995	6.91603
Arhgef12	NM_027144	0.000129	14.5816	7.02244	4.23265	6.91526	2.78978	6.91526
Chd7	NM_001081417	0.000468	10.4854	6.3898	3.60935	6.87067	2.78045	6.87067

Atp8a1	NM_001038999	4.50E-05	19.0215	7.15747	4.3863	6.82659	2.77117	6.82659
Sp140	NM_001013817	0.000353	11.2683	7.62579	4.85913	6.80532	2.76666	6.80532
2810030E01Rik	NM_028317	0.000843	9.00252	7.50424	4.74403	6.77497	2.76022	6.77497
Dusp18	NM_173745	0.000291	11.842	8.79213	6.04088	6.733	2.75125	6.733
Megf10	NM_001001979	0.000167	13.6365	8.41095	5.66181	6.7232	2.74915	6.7232
Ephb6	NM_001146351	5.51E-05	18.0741	9.04277	6.29476	6.7179	2.74801	6.7179
4930503E14Rik	NM_029131	0.001843	7.33035	6.51227	3.76651	6.70743	2.74576	6.70743
Spag1	NM_012031	4.38E-05	19.148	7.2208	4.47578	6.704	2.74502	6.704
	---	5.78E-05	17.8551	7.9998	5.26235	6.66888	2.73744	6.66888
4930420K17Rik	BC147127	0.001254	8.11502	8.05364	5.31889	6.65641	2.73474	6.65641
Slc25a13	NM_015829	5.05E-05	18.4727	8.73992	6.01715	6.60142	2.72278	6.60142
	---	0.006426	5.22028	6.029	3.31024	6.5831	2.71877	6.5831
Tdrkh	NM_028307	0.001037	8.52941	7.23563	4.52313	6.55455	2.7125	6.55455
	ENSMUST0000009686							
A530040E14Rik	2	0.004962	5.60948	6.89193	4.19188	6.49826	2.70005	6.49826
	ENSMUST0000009686							
A530040E14Rik	2	0.004962	5.60948	6.89193	4.19188	6.49826	2.70005	6.49826
	---	0.0045	5.76235	7.28849	4.60234	6.43594	2.68615	6.43594
Prss23	NM_029614	4.65E-05	18.8692	9.44353	6.76432	6.40506	2.67921	6.40506
Nlrp4f	NM_175290	0.001482	7.76568	5.7842	3.10783	6.39245	2.67637	6.39245
Pkp2	NM_026163	0.000795	9.14073	7.53543	4.86623	6.36075	2.6692	6.36075
Ttil7	NM_027594	3.26E-05	20.6347	8.62601	5.96229	6.33663	2.66372	6.33663
Tcfap2a	NM_011547	0.000363	11.1875	7.00842	4.34535	6.33383	2.66308	6.33383
Slc16a13	NM_172371	5.83E-06	31.803	9.16736	6.51138	6.30277	2.65599	6.30277
Abcb1b	NM_011075	0.002497	6.76075	8.70878	6.05608	6.28844	2.6527	6.28844
Plekha1	NM_133942	7.68E-06	29.6782	10.6351	7.98282	6.28653	2.65226	6.28653
Avpi1	NM_027106	2.17E-05	22.8529	8.73532	6.08521	6.27714	2.65011	6.27714
	ENSMUST0000009686							
A530040E14Rik	2	0.004835	5.64962	6.92853	4.28352	6.25501	2.64501	6.25501
	ENSMUST0000009686							
A530040E14Rik	2	0.004835	5.64962	6.92853	4.28352	6.25501	2.64501	6.25501
Rragb	NM_001004154	0.001231	8.15507	7.20288	4.57657	6.17447	2.62631	6.17447
Gpc1	NM_016696	0.001192	8.22354	10.068	7.44414	6.16402	2.62387	6.16402

Dlx1	NM_010053	0.000914	8.81353	7.95339	5.33908	6.12328	2.61431	6.12328
Fads3	NM_021890	0.000536	10.1236	10.352	7.74333	6.09932	2.60865	6.09932
Vtcn1	NM_178594	4.44E-06	34.0472	7.4993	4.91132	6.01255	2.58798	6.01255
Crip2	NM_024223	0.001913	7.25806	10.2258	7.6379	6.01204	2.58785	6.01204
Fam105a	BC052328	1.93E-06	41.9502	6.97742	4.39625	5.98426	2.58117	5.98426
Mapk12	NM_013871	8.57E-05	16.1633	8.81897	6.24171	5.96806	2.57726	5.96806
Chd7	NM_001081417	7.96E-05	16.4665	6.10792	3.53147	5.96474	2.57646	5.96474
Jup	NM_010593	0.000555	10.0329	9.56413	6.99687	5.92684	2.56726	5.92684
Ccnd1	NM_007631	0.003135	6.35877	10.4658	7.90302	5.90847	2.56278	5.90847
Napsa	NM_008437	0.000326	11.5022	7.16104	4.60267	5.89041	2.55837	5.89041
Als2cl	NM_001146059	0.00019	13.2095	7.32742	4.77575	5.86312	2.55167	5.86312
Insig1	NM_153526	0.00033	11.4636	11.1073	8.57115	5.80032	2.53613	5.80032
G930009F23Rik	AK145170	2.75E-05	21.5323	7.01399	4.47929	5.79458	2.5347	5.79458
Trp53i11	NM_001025246	0.000202	13.0035	8.43368	5.90092	5.78678	2.53276	5.78678
Gm904	BC147620	6.80E-05	17.1362	6.32437	3.80973	5.71456	2.51464	5.71456
Lyz2	NM_017372	0.000608	9.8002	6.41893	3.91663	5.66588	2.5023	5.66588
Ctnna2	NM_001109764	8.98E-05	15.9715	7.14928	4.66306	5.60309	2.48622	5.60309
Nefm	NM_008691	0.001203	8.20386	6.87172	4.39788	5.55521	2.47384	5.55521
Pde2a	NM_001143848	8.25E-06	29.1487	7.86091	5.38874	5.54879	2.47217	5.54879
Chd7	NM_001081417	2.86E-05	21.3235	6.71919	4.2477	5.54615	2.47149	5.54615
	---	0.003275	6.28393	5.95576	3.48443	5.54555	2.47133	5.54555
A530032D15Rik	NM_213615	1.70E-05	24.2939	9.08945	6.62191	5.53098	2.46754	5.53098
Hspa4l	NM_011020	0.000306	11.6912	9.55142	7.08397	5.53067	2.46745	5.53067
	---	0.005741	5.3871	6.72613	4.25907	5.52919	2.46707	5.52919
	---	0.002714	6.61079	6.14353	3.68561	5.49422	2.45791	5.49422
Slc24a3	NM_053195	0.002007	7.16614	8.01753	5.56125	5.488	2.45628	5.488
	---	0.000678	9.52552	8.69771	6.24453	5.47623	2.45318	5.47623
C630004H02Rik	BC024617	0.000178	13.4188	7.99469	5.5471	5.45507	2.4476	5.45507
Bpgm	NM_007563	0.000201	13.0242	9.15729	6.71448	5.43699	2.44281	5.43699
Gm5168	NM_001025607	6.15E-05	17.5809	6.15365	3.72571	5.38123	2.42794	5.38123
	---	0.001773	7.40641	8.18135	5.76151	5.35113	2.41984	5.35113

Gpr30	NM_029771	0.001831	7.34336	6.95409	4.53643	5.34301	2.41765	5.34301
Klhdc8a	NM_144810	0.001548	7.67734	6.86279	4.45609	5.3026	2.4067	5.3026
Epha2	NM_010139	0.003414	6.21372	8.79294	6.41373	5.20251	2.37921	5.20251
Spata13	NM_001033272	1.64E-05	24.5236	6.5225	4.14744	5.18756	2.37506	5.18756
	---	0.006712	5.15689	8.42929	6.05776	5.17488	2.37153	5.17488
Lfng	NM_008494	0.000432	10.703	7.33856	4.96843	5.16989	2.37013	5.16989
Sema3b	NM_001042779	0.000216	12.7809	8.03634	5.67324	5.14473	2.3631	5.14473
Nr3c2	NM_001083906	0.001284	8.06517	6.20495	3.84984	5.11632	2.35511	5.11632
Milt3	NM_027326	0.000174	13.5098	8.21251	5.86396	5.0931	2.34854	5.0931
Scube3	NM_001004366	0.000205	12.9584	7.36571	5.01941	5.08518	2.3463	5.08518
	ENSMUST0000010573							
Gm13235	6	0.001138	8.3248	6.60463	4.26253	5.07041	2.3421	5.07041
	ENSMUST0000010573							
Gm13235	6	0.001138	8.3248	6.60463	4.26253	5.07041	2.3421	5.07041
Epb4.115	NM_145506	0.000409	10.8538	7.7065	5.37445	5.0352	2.33205	5.0352
Nhedc1	NM_028946	0.00029	11.853	5.7887	3.47035	4.98762	2.31835	4.98762
Mmp28	NM_080453	0.000128	14.6011	8.38212	6.06529	4.98236	2.31683	4.98236
	---	0.004623	5.7199	6.77179	4.45497	4.98232	2.31682	4.98232
Swap70	NM_009302	0.000304	11.7114	9.11374	6.79702	4.98197	2.31672	4.98197
Vdr	NM_009504	0.003733	6.06463	8.56914	6.25698	4.96625	2.31216	4.96625
ApoI9a	NM_173786	0.00067	9.55677	7.65576	5.34615	4.9575	2.30961	4.9575
Chd7	NM_001081417	0.000145	14.1431	6.40574	4.10099	4.94079	2.30474	4.94079
Naip5	NM_010870	0.002345	6.87484	5.75136	3.44666	4.94065	2.3047	4.94065
Cp	NM_001042611	0.001951	7.22078	11.9197	9.62505	4.90644	2.29468	4.90644
Kif21a	NM_001109040	1.66E-05	24.4369	8.95372	6.665	4.88622	2.28872	4.88622
	---	0.00013	14.5408	8.4954	6.20676	4.88595	2.28864	4.88595
Anxa3	NM_013470	0.00264	6.66007	9.9935	7.7051	4.88515	2.2884	4.88515
Sp140	NM_001013817	0.0011	8.39867	6.73423	4.44598	4.88462	2.28825	4.88462
	---	0.00101	8.58848	5.65484	3.36801	4.87983	2.28683	4.87983
Aif1l	NM_145144	6.60E-05	17.2679	8.10346	5.84128	4.79715	2.26218	4.79715
Zdhhc2	NM_178395	0.002608	6.68195	7.87651	5.61761	4.78629	2.25891	4.78629
Cdc42ep1	NM_027219	0.000346	11.3318	8.19183	5.93666	4.77389	2.25517	4.77389

Slc22a4	NM_019687	0.003537	6.15406	8.1964	5.94188	4.77178	2.25453	4.77178
Pthlh	NM_008970	0.00106	8.48105	7.87683	5.63125	4.74229	2.24558	4.74229
Cdkn2b	NM_007670	0.001711	7.47691	9.03278	6.79222	4.72583	2.24057	4.72583
Chd7	NM_001081417	4.55E-05	18.9687	5.71658	3.47897	4.71617	2.23761	4.71617
Pdlim1	NM_016861	0.001514	7.72191	9.85221	7.61609	4.71127	2.23612	4.71127
Tiparp	NM_178892	0.000353	11.2682	10.229	7.99501	4.70444	2.23402	4.70444
Mobk12b	ENSMUST0000010297 5	0.000126	14.6627	6.24534	4.01989	4.67659	2.22546	4.67659
Ptprf	NM_011213	0.000383	11.0381	8.53166	6.32116	4.62838	2.21051	4.62838
	---	0.002224	6.97314	6.88263	4.67317	4.62502	2.20946	4.62502
Naip6	NM_010871	0.002761	6.5805	5.25086	3.04296	4.62002	2.2079	4.62002
Cdca7l	NM_146040	0.000109	15.21	8.32848	6.12403	4.60899	2.20445	4.60899
H2-gs10	NM_001143689	0.000337	11.4066	7.33461	5.15119	4.54231	2.18343	4.54231
Fbxo36	NM_025386	6.84E-05	17.114	9.41133	7.23143	4.53122	2.1799	4.53122
Gjb4	NM_008127	2.37E-05	22.3597	6.94069	4.76524	4.51724	2.17544	4.51724
Hap1	NM_010404	0.001995	7.17842	7.04902	4.88285	4.4883	2.16617	4.4883
Ptpn22	NM_008979	0.00069	9.4828	5.8997	3.74009	4.46793	2.15961	4.46793
Rab3ip	NM_001003950	3.15E-06	37.0977	8.77532	6.61808	4.4606	2.15724	4.4606
Efna1	NM_010107	0.001682	7.51022	8.07286	5.91743	4.45503	2.15544	4.45503
Arhgap18	NM_176837	0.000801	9.12313	8.67731	6.5238	4.44907	2.1535	4.44907
Cd59a	NM_001111060	0.000163	13.7219	7.59109	5.44619	4.42263	2.1449	4.42263
Ncf4	NM_008677	0.000408	10.8606	6.73002	4.58548	4.42149	2.14453	4.42149
Syt7	NM_173068	0.000262	12.1657	7.78725	5.64509	4.41423	2.14216	4.41423
Rap1gap2	NM_001015046	0.000885	8.89028	7.7131	5.57172	4.41182	2.14137	4.41182
Mageb1	NM_010759	0.000371	11.1264	5.89381	3.75806	4.39465	2.13575	4.39465
Mageb1	NM_010759	0.000371	11.1264	5.89381	3.75806	4.39465	2.13575	4.39465
Slc25a23	NM_025877	1.84E-06	42.4276	7.26616	5.13067	4.39386	2.13549	4.39386
Cdkn2aipnl	NM_029976	0.000443	10.6326	9.43276	7.30229	4.37861	2.13047	4.37861
Metrn	NM_133719	0.000174	13.5038	8.35931	6.23109	4.37178	2.12822	4.37178
Zfp600	NM_001177546	0.001929	7.24274	4.68201	2.5539	4.37144	2.12811	4.37144
Sp110	NM_175397	0.000361	11.2076	7.5949	5.46724	4.37009	2.12766	4.37009

B3gnt2	NM_016888	0.000848	8.98863	8.43974	6.32145	4.34177	2.11828	4.34177
Gm10058	NM_001109969	0.000281	11.9482	5.42016	3.31923	4.28989	2.10094	4.28989
Gm13242	NM_001103158	0.001465	7.79013	5.32954	3.22881	4.28927	2.10073	4.28927
Pcdh17	NM_001013753	0.001925	7.24633	7.43555	5.33873	4.27767	2.09682	4.27767
Plin4	NM_020568	0.000493	10.3443	7.33268	5.24151	4.26096	2.09118	4.26096
Zdhhc16	NM_023740	5.36E-06	32.4787	9.28105	7.19222	4.25402	2.08883	4.25402
Rundc3b	NM_198620	0.000758	9.2546	7.4236	5.33794	4.24468	2.08566	4.24468
Lctl	NM_145835	0.00067	9.55643	6.36948	4.29275	4.2185	2.07673	4.2185
Acy3	NM_027857	0.000246	12.3644	7.57536	5.49872	4.21822	2.07663	4.21822
Plcd3	NM_152813	0.000402	10.8983	8.09768	6.02894	4.19521	2.06874	4.19521
Gm10058	NM_001109969	0.002278	6.92837	5.94675	3.88241	4.18244	2.06434	4.18244
Arhgap22	NM_153800	0.000189	13.2287	7.78292	5.71949	4.1798	2.06343	4.1798
Gstm7	NM_026672	0.000483	10.3967	7.60177	5.54286	4.1667	2.05891	4.1667
Rassf7	NM_025886	0.005126	5.55926	7.29814	5.24171	4.15957	2.05644	4.15957
Mmp9	NM_013599	0.000879	8.90549	7.96967	5.91401	4.15733	2.05566	4.15733
Glcci1	NM_133236	0.000733	9.33544	8.41651	6.36175	4.15474	2.05476	4.15474
Ahr	NM_013464	0.006385	5.2298	8.98699	6.93707	4.14085	2.04993	4.14085
Fnbp1l	NM_001114665	0.000305	11.6971	9.51258	7.47719	4.09933	2.03539	4.09933
P2ry14	NM_133200	0.00369	6.08364	7.3866	5.35489	4.0889	2.03171	4.0889
Rin1	NM_145495	0.000549	10.0624	8.54671	6.52431	4.06257	2.02239	4.06257
Klf5	NM_009769	0.000416	10.8038	8.49884	6.47689	4.06133	2.02195	4.06133
Chd7	NM_001081417	6.63E-06	30.7922	5.47896	3.45843	4.05735	2.02054	4.05735
Lphn3	NM_198702	0.00088	8.90276	7.14228	5.12362	4.05206	2.01865	4.05206
Cyp7a1	NM_007824	0.001562	7.65857	5.44711	3.43601	4.03089	2.0111	4.03089
Gm5665	BC032201	0.000944	8.74027	5.38205	3.37228	4.02719	2.00977	4.02719
Galnt10	NM_134189	7.10E-06	30.2643	8.80966	6.80516	4.01248	2.00449	4.01248
	---	0.004078	5.91994	9.2217	7.22791	3.98284	1.9938	3.98284
Edil3	NM_001037987	0.000798	9.13172	8.48844	6.49629	3.97829	1.99215	3.97829
St3gal5	NM_011375	2.10E-05	23.0583	10.5206	8.53062	3.97225	1.98996	3.97225
	---	0.001826	7.3487	8.82841	6.84321	3.95918	1.9852	3.95918
Met	NM_008591	0.003377	6.23182	9.60659	7.62522	3.94868	1.98137	3.94868

Lgals2	NM_025622	0.000121	14.8234	6.14505	4.16448	3.94649	1.98057	3.94649
Tjp1	NM_009386	7.86E-05	16.5203	10.6055	8.62578	3.94406	1.97968	3.94406
Gm14005	NR_028590	0.000099	8.63277	7.22074	5.24314	3.93837	1.9776	3.93837
Rrad	NM_019662	0.002975	6.44947	8.44517	6.46771	3.93801	1.97747	3.93801
Tmeff2	NM_019790	0.000131	14.5277	7.6606	5.68386	3.93601	1.97673	3.93601
Rasgef1a	NM_027526	5.04E-05	18.4885	6.82741	4.85171	3.93318	1.9757	3.93318
MacroD2	NM_001013802	2.07E-05	23.1296	7.38871	5.41512	3.92742	1.97358	3.92742
Pdlim1	NM_016861	0.001379	7.91514	9.68864	7.71508	3.92736	1.97356	3.92736
Mfap3l	NM_027756	0.000583	9.90392	7.85907	5.88627	3.92529	1.9728	3.92529
Bhlhe41	NM_024469	0.003605	6.12248	7.88281	5.91064	3.92356	1.97216	3.92356
	---	0.000399	10.9258	5.09478	3.13353	3.89398	1.96124	3.89398
Hagh	NM_024284	9.18E-05	15.8844	10.2306	8.27288	3.88447	1.95772	3.88447
Tnnt2	NM_001130174	0.000177	13.4439	7.45335	5.49982	3.87322	1.95353	3.87322
Mfsd6	NM_133829	0.000119	14.8809	6.36177	4.41113	3.86546	1.95064	3.86546
Chd7	NM_001081417	0.002221	6.97535	6.39068	4.44205	3.86009	1.94863	3.86009
Ogdhl	NM_001081130	8.40E-05	16.2465	8.25315	6.30705	3.85331	1.9461	3.85331
Itgb7	NM_013566	0.000314	11.613	7.17353	5.23651	3.82914	1.93702	3.82914
Dysf	NM_021469	0.000598	9.83876	8.58829	6.65518	3.81878	1.93311	3.81878
	---	0.004703	5.69299	7.47136	5.53848	3.81818	1.93288	3.81818
Fmnl3	NM_011711	3.77E-05	19.8953	9.43468	7.5027	3.81577	1.93197	3.81577
Chd7	NM_001081417	0.002717	6.60883	5.98691	4.05989	3.80268	1.92702	3.80268
	---	0.000169	13.5995	8.71712	6.7909	3.80058	1.92622	3.80058
Tuft1	NM_011656	0.000666	9.56956	8.84488	6.92649	3.78	1.91839	3.78
Gm14137	NM_001039223	0.000299	11.7617	6.35147	4.4403	3.76117	1.91118	3.76117
Tpd52	NM_009412	0.001928	7.24352	7.76494	5.85712	3.7524	1.90782	3.7524
Mobkl2b	NM_178061	0.00019	13.2078	7.08303	5.17575	3.75102	1.90728	3.75102
	---	0.00174	7.44316	9.43965	7.53739	3.73797	1.90226	3.73797
Tmem38a	NM_144534	7.48E-05	16.7273	7.13299	5.23309	3.73187	1.8999	3.73187
Gimap9	NM_174960	0.000474	10.4512	5.64865	3.74949	3.72997	1.89916	3.72997
Ecsr	NM_001033141	0.001438	7.82821	7.73126	5.84244	3.70333	1.88882	3.70333
Il12rb1	NM_008353	0.000608	9.79723	7.25787	5.37488	3.68839	1.88299	3.68839

	---	0.006392	5.2282	9.13369	7.25261	3.6835	1.88108	3.6835
Jub	NM_010590	0.000857	8.96307	8.41087	6.53033	3.68212	1.88054	3.68212
Nupr1	NM_019738	0.001107	8.38517	11.5231	9.6445	3.67705	1.87855	3.67705
MacroD2	NM_001013802	0.004159	5.88842	5.122	3.24764	3.6664	1.87436	3.6664
Cadm4	NM_153112	0.000153	13.9471	7.04721	5.17512	3.6606	1.87208	3.6606
Pipox	NM_008952	0.000768	9.22344	6.67129	4.79926	3.66048	1.87203	3.66048
Fbxl2	NM_178624	0.001761	7.4199	8.24153	6.37475	3.64717	1.86678	3.64717
Bicd1	NM_009753	6.54E-05	17.3053	6.51708	4.65375	3.63846	1.86333	3.63846
Ivd	NM_019826	7.11E-05	16.944	9.8438	7.98501	3.62703	1.85879	3.62703
MacroD2	NM_001013802	0.005859	5.35676	5.14675	3.29324	3.61379	1.85351	3.61379
Scara5	NM_028903	0.000103	15.4171	8.52678	6.67977	3.59753	1.84701	3.59753
Nlk	NM_008702	7.78E-05	16.5662	8.93106	7.08641	3.59167	1.84465	3.59167
Llgl2	NM_145438	2.01E-05	23.3152	6.7811	4.93663	3.59119	1.84446	3.59119
Dmpk	NM_032418	0.000409	10.8513	10.1272	8.2838	3.58857	1.84341	3.58857
Sp110	NM_175397	6.82E-05	17.1228	7.0597	5.21666	3.58767	1.84305	3.58767
Slc24a6	NM_133221	0.000586	9.8924	9.06568	7.223	3.58676	1.84268	3.58676
Bid	NM_007544	0.000495	10.334	8.74417	6.90202	3.58545	1.84215	3.58545
Mcam	NM_023061	0.001448	7.81304	8.28107	6.43996	3.58283	1.8411	3.58283
Zfp239	NM_001001792	0.001157	8.28837	7.61705	5.777	3.58022	1.84005	3.58022
Mgat4a	NM_173870	0.0003	11.7494	6.44263	4.6053	3.57349	1.83733	3.57349
Nup210	NM_018815	4.81E-06	33.3767	6.77024	4.93628	3.56514	1.83396	3.56514
Car5b	NM_181315	0.000954	8.71598	9.13806	7.30496	3.56304	1.83311	3.56304
1810011O10Rik	NM_026931	0.005464	5.46177	8.96631	7.1451	3.53377	1.82121	3.53377
Mllt4	NM_010806	5.04E-05	18.4849	9.05145	7.23498	3.52218	1.81647	3.52218
Card6	NM_001163138	0.000463	10.5141	6.06658	4.25713	3.50508	1.80945	3.50508
Chd7	NM_001081417	0.000328	11.4856	6.20028	4.39177	3.5028	1.80851	3.5028
Chd7	NM_001081417	0.000292	11.8297	6.27793	4.46985	3.50176	1.80808	3.50176
Ppp1r14c	NM_133485	0.000835	9.02478	7.33283	5.52496	3.50126	1.80787	3.50126
Cspg4	NM_139001	0.00029	11.8539	7.30496	5.50066	3.49259	1.8043	3.49259
	---	0.00389	5.99669	4.94573	3.14344	3.48772	1.80229	3.48772
BC049715	NM_178776	0.00018	13.3832	6.31637	4.51805	3.47816	1.79832	3.47816

Zbp1	NM_021394	0.002079	7.09926	7.36679	5.57017	3.47405	1.79662	3.47405
Sema3f	NM_011349	0.00011	15.1642	8.22221	6.42589	3.47332	1.79632	3.47332
Eno3	NM_007933	0.000394	10.9597	8.31429	6.52062	3.46696	1.79367	3.46696
Bcl2	NM_009741	0.000249	12.324	7.67549	5.88326	3.46349	1.79223	3.46349
Dock8	NM_028785	0.000177	13.4482	6.44817	4.65824	3.45798	1.78993	3.45798
Sp110	NM_175397	0.000161	13.7686	5.12057	3.33542	3.44653	1.78515	3.44653
Sp110	NM_175397	0.000161	13.7686	5.12057	3.33542	3.44653	1.78515	3.44653
Trim30a	NM_009099	0.000395	10.9524	8.7105	6.92648	3.44385	1.78402	3.44385
Chd7	NM_001081417	0.000169	13.5995	6.10721	4.32493	3.43969	1.78228	3.43969
Magi3	NM_133853	0.000322	11.5373	8.4958	6.71616	3.43339	1.77963	3.43339
Gm5622	NM_001013816	0.002877	6.50787	5.945	4.16573	3.43252	1.77927	3.43252
Cbx5	NM_007626	4.19E-05	19.3656	9.59016	7.81147	3.43114	1.77869	3.43114
Cacnb3	NM_007581	2.69E-05	21.6624	9.42961	7.65376	3.42438	1.77584	3.42438
Slc6a6	NM_009320	0.000141	14.2412	10.8272	9.05183	3.42329	1.77538	3.42329
Cuedc1	NM_198013	0.000188	13.2348	8.46533	6.69111	3.42054	1.77422	3.42054
	---	0.00189	7.2817	8.04283	6.26977	3.41778	1.77306	3.41778
Rabl2	NM_026817	0.003254	6.29502	6.54562	4.77279	3.41723	1.77283	3.41723
Fancl	NM_025923	0.000176	13.4589	8.13482	6.3629	3.41508	1.77192	3.41508
Myo10	NM_019472	0.00098	8.65657	10.3025	8.53291	3.40947	1.76955	3.40947
Acsbg1	NM_053178	9.40E-05	15.7912	7.22736	5.45841	3.40806	1.76895	3.40806
Baalc	NM_080640	3.55E-05	20.1936	6.90909	5.1411	3.40579	1.76799	3.40579
	---	0.000587	9.88816	8.84143	7.07568	3.40052	1.76576	3.40052
Ankrd5	NM_175667	0.000149	14.0371	5.7959	4.03411	3.3912	1.7618	3.3912
Itga7	NM_008398	0.000337	11.4064	7.40257	5.64296	3.38607	1.75961	3.38607
Pcdh19	NM_001105245	0.001399	7.88539	6.57426	4.81533	3.38446	1.75893	3.38446
Ap3b2	NM_021492	0.00063	9.71083	7.02543	5.26887	3.37893	1.75656	3.37893
Elavl2	NM_207685	4.35E-05	19.1901	6.28273	4.52762	3.37551	1.7551	3.37551
Agrn	NM_021604	5.13E-05	18.4045	8.10446	6.351	3.37166	1.75346	3.37166
Nnt	NR_003544	0.000191	13.1876	10.3949	8.64188	3.37065	1.75303	3.37065
4632427E13Rik	NR_015510	4.50E-05	19.0221	8.17273	6.42087	3.36791	1.75185	3.36791
Rnls	NM_001167818	0.000579	9.92171	7.66837	5.91685	3.36712	1.75152	3.36712

Clu	NM_013492	0.000507	10.2681	7.50109	5.75059	3.36474	1.7505	3.36474
Ablim1	NM_178688	0.00057	9.96413	8.20345	6.4531	3.36439	1.75034	3.36439
Epb4.1	NM_183428	9.46E-06	28.1594	7.02028	5.27141	3.36094	1.74886	3.36094
Nfkbie	NM_008690	0.004296	5.83618	7.81748	6.07744	3.34042	1.74003	3.34042
9930111J21Rik2	NM_173434	0.000519	10.2089	6.29298	4.5535	3.33914	1.73948	3.33914
Rad18	NM_001167730	0.003207	6.3196	8.13907	6.40141	3.33494	1.73766	3.33494
Ly6c2	NM_001099217	0.006854	5.12673	8.71924	6.98284	3.33204	1.7364	3.33204
Rgnef	NM_012026	0.000528	10.1609	7.70276	5.96756	3.32926	1.7352	3.32926
Lrrk1	NM_146191	0.000282	11.9379	8.55972	6.82524	3.3276	1.73448	3.3276
Arhgdib	NM_007486	0.000694	9.47049	7.92694	6.19283	3.32674	1.73411	3.32674
Sync	NM_023485	0.001336	7.98165	8.30275	6.56944	3.32491	1.73332	3.32491
Mrps30	NM_021556	1.33E-05	25.8296	8.06324	6.33048	3.32364	1.73276	3.32364
Eml5	NM_001081191	2.67E-05	21.6928	6.37561	4.64309	3.32308	1.73252	3.32308
Fcgr4	NM_144559	0.000866	8.93945	5.88182	4.1494	3.32284	1.73242	3.32284
Tmem71	NM_172514	7.77E-05	16.5709	5.89974	4.169	3.31899	1.73074	3.31899
Pkp4	NM_026361	0.000103	15.4249	8.56145	6.83093	3.31847	1.73052	3.31847
Chek2	NM_016681	0.002842	6.5293	7.17075	5.44482	3.30794	1.72593	3.30794
Crim1	NM_015800	0.001757	7.42436	9.94915	8.22393	3.30631	1.72522	3.30631
Cdsn	NM_001008424	0.003668	6.09375	7.88054	6.16071	3.29397	1.71983	3.29397
Gsr	NM_010344	4.63E-06	33.6972	8.9227	7.20366	3.29219	1.71905	3.29219
Cdk6	NM_009873	0.001789	7.38927	8.64593	6.92758	3.29058	1.71834	3.29058
	---	0.001988	7.18505	10.9439	9.22606	3.28945	1.71785	3.28945
Tcirg1	NM_016921	0.000124	14.7337	9.96293	8.24668	3.2858	1.71624	3.2858
Akr1c13	NM_013778	0.000739	9.31492	5.60417	3.88809	3.28543	1.71608	3.28543
Ash2l	NM_011791	7.07E-06	30.2917	10.1317	8.41778	3.28055	1.71394	3.28055
Ipo13	NM_146152	7.78E-05	16.5635	8.88982	7.17972	3.27184	1.7101	3.27184
Slc2a6	NM_172659	0.000554	10.0391	7.75597	6.04587	3.27184	1.7101	3.27184
Pdzd2	NM_001081064	0.000603	9.82091	6.42246	4.71385	3.26845	1.70861	3.26845
Hdac9	NM_024124	0.000431	10.7106	6.76611	5.06131	3.25983	1.7048	3.25983
Tnfrsf12a	NM_013749	0.000543	10.0887	10.0596	8.35956	3.24913	1.70005	3.24913
Spred2	BC040462	0.00014	14.2645	9.05796	7.35801	3.24889	1.69995	3.24889

Ptpre	NM_011212	7.86E-05	16.5241	6.29663	4.59902	3.24362	1.69761	3.24362
	---	5.03E-05	18.4901	10.2864	8.5904	3.23994	1.69597	3.23994
Lmbr1l	NM_029098	0.000445	10.6198	8.48088	6.78769	3.23372	1.6932	3.23372
Tmie	NM_146260	0.000572	9.95681	6.72742	5.037	3.2275	1.69042	3.2275
Tec	NM_001113460	0.003562	6.14258	8.44438	6.75994	3.21415	1.68444	3.21415
LOC100038746	ENSMUST0000008429							
	8	7.57E-05	16.6782	8.32528	6.642	3.21157	1.68328	3.21157
Slc1a4	NM_018861	7.94E-05	16.477	10.1393	8.45736	3.2086	1.68195	3.2086
	---	0.001473	7.77876	6.59048	4.90992	3.20552	1.68056	3.20552
4930572J05Rik	NM_198607	8.43E-05	16.2332	7.4881	5.80821	3.20403	1.67989	3.20403
Tmc6	NM_145439	0.000233	12.5359	7.23469	5.55495	3.20369	1.67973	3.20369
Ppm1l	NM_178726	0.002024	7.1508	8.28389	6.60707	3.19723	1.67682	3.19723
Stk17b	NM_133810	0.000172	13.5472	10.8147	9.1447	3.18209	1.66997	3.18209
Nrp2	NM_001077403	0.003872	6.0046	9.05023	7.38072	3.18106	1.66951	3.18106
Mtbp	NM_134092	0.002863	6.51628	8.71594	7.04652	3.18085	1.66941	3.18085
Nlgn1	NM_138666	0.001203	8.20307	6.15252	4.4874	3.1714	1.66512	3.1714
Abcb1a	NM_011076	8.20E-05	16.3443	7.16939	5.50562	3.16843	1.66377	3.16843
	---	6.73E-05	17.1838	8.99121	7.3318	3.15887	1.65941	3.15887
Shc4	NM_199022	8.64E-05	16.1326	6.74109	5.08302	3.15593	1.65807	3.15593
Tarsl2	NM_172310	0.001791	7.38619	6.93618	5.28153	3.14846	1.65465	3.14846
Ngf	NM_013609	0.000343	11.3548	7.3112	5.65803	3.14525	1.65317	3.14525
Chd7	NM_001081417	0.000747	9.28951	7.20766	5.55772	3.13821	1.64994	3.13821
Sh3tc2	NM_172628	0.000959	8.70481	6.53466	4.89045	3.12578	1.64422	3.12578
Aqp5	NM_009701	0.004151	5.89132	8.58286	6.93963	3.12364	1.64323	3.12364
Pdgfa	NM_008808	0.00014	14.26	8.78014	7.13949	3.11805	1.64064	3.11805
9930111J21Rik2	NM_173434	0.000196	13.0933	6.16212	4.52192	3.1171	1.6402	3.1171
Chd7	NM_001081417	0.001057	8.48659	5.16462	3.53328	3.098	1.63134	3.098
Slc30a4	NM_011774	0.000154	13.9418	9.60296	7.97525	3.09021	1.6277	3.09021
Coro2b	NM_175484	0.000599	9.83452	6.45408	4.82871	3.08521	1.62537	3.08521
Hist2h2be	NM_178214	0.000879	8.90415	5.58497	3.96231	3.07943	1.62266	3.07943
Herc6	NM_025992	0.006101	5.29665	7.43708	5.81712	3.07366	1.61996	3.07366

Gm4340	NM_001177535	0.000664	9.57603	5.26892	3.64949	3.07253	1.61943	3.07253
Sc4mol	NM_025436	0.001744	7.43916	10.6341	9.01745	3.0666	1.61664	3.0666
A830019P07Rik	ENSMUST0000006908 4	0.001785	7.39279	5.93131	4.31621	3.06332	1.61509	3.06332
	---	0.000714	9.40032	8.87835	7.26423	3.06124	1.61411	3.06124
5730419I09Rik	NM_029081	0.000509	10.2611	8.72495	7.1184	3.04523	1.60655	3.04523
Sh3bp2	NM_001145859	0.000753	9.27077	7.57836	5.97311	3.04248	1.60525	3.04248
Pitpm1	NM_008851	0.00019	13.2088	8.31517	6.71049	3.04128	1.60468	3.04128
Fam164c	NM_172414	0.001097	8.40359	5.12887	3.52494	3.03969	1.60392	3.03969
	---	0.001604	7.60532	6.6178	5.01498	3.03736	1.60282	3.03736
	---	0.000735	9.32808	8.21415	6.61365	3.03248	1.6005	3.03248
Carns1	NM_134148	7.31E-05	16.8258	7.08067	5.48196	3.02872	1.59871	3.02872
Itpr3	NM_080553	4.25E-05	19.3013	8.84181	7.24671	3.02116	1.5951	3.02116
Il34	NM_029646	0.006375	5.23197	6.4066	4.8143	3.01529	1.5923	3.01529
Cdkl5	NM_001024624	7.31E-05	16.8279	5.5459	3.95607	3.01014	1.58983	3.01014
2310037I24Rik	BC083325	2.82E-05	21.4	10.7677	9.17843	3.00902	1.58929	3.00902
Cdc14a	NM_001080818	0.001143	8.31485	6.86286	5.27436	3.00737	1.5885	3.00737
Rpap3	NM_028003	5.24E-05	18.3076	8.58768	6.99957	3.00655	1.58811	3.00655
Mrpl38	NM_024177	6.36E-05	17.4294	9.81445	8.22699	3.00518	1.58745	3.00518
Stk10	NM_009288	4.33E-05	19.2094	7.74444	6.15982	2.99929	1.58462	2.99929
	ENSMUST0000009773							
Gm10561	6	0.001527	7.70509	6.90311	5.3187	2.99885	1.58441	2.99885
Ptpn6	NM_013545	3.09E-05	20.9147	7.11393	5.52956	2.99876	1.58437	2.99876
Gsto2	NM_026619	0.001186	8.23486	7.87071	6.28704	2.99732	1.58367	2.99732
Hspa8	NM_031165	0.00024	12.4437	12.4385	10.8549	2.99723	1.58363	2.99723
Des	NM_010043	0.003528	6.15861	6.38248	4.80334	2.98792	1.57914	2.98792
Sp100	NM_013673	0.003225	6.31039	6.31224	4.7331	2.98792	1.57914	2.98792
Ezr	NM_009510	0.003649	6.10236	8.72486	7.14686	2.98556	1.578	2.98556
	---	0.001644	7.55632	9.44299	7.868	2.97933	1.57499	2.97933
Sp110	NM_175397	0.001741	7.44216	6.04114	4.46673	2.97814	1.57441	2.97814
Lamb2	NM_008483	5.87E-05	17.7844	10.8407	9.26745	2.97584	1.57329	2.97584
Nipal3	NM_028995	0.001304	8.03258	6.14278	4.57083	2.97306	1.57195	2.97306

0610011F06Rik	NM_026686	0.000408	10.8605	8.84418	7.27281	2.97188	1.57137	2.97188
Ptgsd	NM_008963	0.001948	7.22377	7.18761	5.61646	2.97141	1.57115	2.97141
Pick1	NM_008837	0.000487	10.374	7.63811	6.07029	2.96455	1.56782	2.96455
2310037124Rik	BC003301	4.71E-05	18.8078	10.8091	9.24221	2.96271	1.56692	2.96271
Hspb6	NM_001012401	0.001011	8.58511	9.14342	7.57685	2.96199	1.56657	2.96199
A630001G21Rik	NM_177055	0.001777	7.40218	6.27843	4.71273	2.96022	1.5657	2.96022
2200002D01Rik	NM_028179	7.97E-05	16.465	8.05802	6.4925	2.95985	1.56553	2.95985
Gsto1	NM_010362	5.80E-05	17.8397	10.2014	8.63696	2.95758	1.56442	2.95758
Slc29a1	NM_022880	0.000199	13.0426	9.60733	8.04342	2.95654	1.56391	2.95654
Chst1	NM_023850	0.000587	9.88801	7.63507	6.07133	2.95619	1.56374	2.95619
Ifit2	NM_008332	0.002227	6.97073	7.16104	5.5975	2.95579	1.56355	2.95579
Cdkl2	NM_016912	1.94E-05	23.5125	6.26418	4.70078	2.95548	1.56339	2.95548
Ints4	NM_027256	7.40E-05	16.7752	9.59677	8.03404	2.95411	1.56273	2.95411
Vps13a	NM_173028	0.002271	6.93431	7.82032	6.25925	2.95073	1.56107	2.95073
	---	0.00335	6.24571	6.63747	5.07646	2.95062	1.56102	2.95062
Nlrp10	NM_175532	0.004115	5.90536	5.73827	4.18052	2.94394	1.55775	2.94394
Slc12a2	NM_009194	0.002527	6.73851	9.61914	8.06186	2.943	1.55729	2.943
Arhgap19	NM_027667	0.001288	8.05865	5.96147	4.40614	2.93901	1.55533	2.93901
Fgd3	NM_015759	5.31E-05	18.2458	6.06336	4.50914	2.93676	1.55423	2.93676
Gm9958	ENSMUST0000006825 0	0.001526	7.70651	5.72914	4.17749	2.93152	1.55165	2.93152
Etnk1	NM_029250	0.000545	10.0788	9.68248	8.13183	2.92949	1.55065	2.92949
	---	0.000895	8.86371	10.436	8.88603	2.92816	1.54999	2.92816
Agpat9	NM_172715	0.000113	15.0687	7.50016	5.95112	2.92622	1.54904	2.92622
Fam107b	BC021353	4.67E-05	18.8393	6.58174	5.033	2.92562	1.54874	2.92562
Taf2	NM_001081288	0.002871	6.5118	9.87401	8.32544	2.92526	1.54857	2.92526
Rhox2a	NM_029203	0.003608	6.12093	6.148	4.60102	2.92205	1.54698	2.92205
Pik3cb	NM_029094	8.46E-05	16.2171	8.1153	6.56881	2.92105	1.54649	2.92105
Fads1	NM_146094	0.000458	10.5448	10.042	8.49706	2.91787	1.54492	2.91787
Plcg2	NM_172285	0.000363	11.1939	7.19954	5.65621	2.91466	1.54333	2.91466
Slc23a2	NM_018824	4.26E-05	19.2808	9.6001	8.05681	2.91459	1.54329	2.91459

Epn3	NM_027984	0.000404	10.885	7.15968	5.62052	2.90625	1.53916	2.90625
Chd3	NM_146019	5.32E-05	18.2326	9.73342	8.1951	2.90456	1.53832	2.90456
Snta1	NM_009228	0.001186	8.23482	7.88618	6.35065	2.89895	1.53553	2.89895
Tns1	NM_027884	0.001331	7.98847	10.0202	8.49135	2.88553	1.52884	2.88553
Tfb1m	NM_146074	0.007075	5.08125	7.33302	5.80466	2.88459	1.52837	2.88459
Slc9a3r1	NM_012030	0.000385	11.0218	8.61804	7.08992	2.88409	1.52812	2.88409
Aftph	NM_181411	5.06E-05	18.4677	9.51196	7.98573	2.88031	1.52622	2.88031
Gchfr	NM_177157	0.000889	8.87982	6.66588	5.13995	2.87972	1.52593	2.87972
Net1	NM_019671	0.004109	5.90787	7.92648	6.40136	2.87812	1.52513	2.87812
Zfp664	NM_001081750	0.000137	14.3614	9.48235	7.95814	2.87629	1.52421	2.87629
Myof	NM_001099634	0.000523	10.1877	10.5118	8.98843	2.87459	1.52336	2.87459
P2rx1	NM_008771	0.000118	14.8959	5.26771	3.7475	2.86832	1.52021	2.86832
	---	0.000357	11.2408	7.71572	6.19562	2.86812	1.5201	2.86812
Aplp2	NM_001102455	9.14E-05	15.902	11.9179	10.3979	2.86799	1.52004	2.86799
Sigirr	NM_023059	0.000307	11.6847	6.81465	5.29524	2.86674	1.51941	2.86674
	---	0.005834	5.36326	9.65931	8.13993	2.86669	1.51938	2.86669
Camta1	NM_001081557	0.00175	7.43259	5.11315	3.59452	2.86519	1.51863	2.86519
	---	3.19E-05	20.7491	11.0064	9.4893	2.86221	1.51713	2.86221
Specc1	NM_001029936	0.000629	9.71499	7.61334	6.09667	2.8613	1.51667	2.8613
Eral1	NM_022313	0.000225	12.6423	8.17347	6.65937	2.85621	1.5141	2.85621
	---	0.000208	12.8985	11.1762	9.66465	2.85124	1.51159	2.85124
Slc35e4	NM_153142	0.000385	11.0231	7.36315	5.85195	2.85046	1.5112	2.85046
Gxylt2	NM_198612	0.000431	10.7072	8.2722	6.7613	2.84989	1.5109	2.84989
Tctn3	NM_026260	0.002458	6.78913	7.77282	6.262	2.84972	1.51082	2.84972
Gdpd5	NM_201352	0.000444	10.627	7.27628	5.76596	2.84875	1.51033	2.84875
Chd7	NM_001081417	0.000428	10.7304	6.20962	4.70395	2.83957	1.50567	2.83957
Cux1	NM_009986	0.000721	9.37658	7.88676	6.38514	2.83161	1.50162	2.83161
Plcl1	NM_001114663	0.000296	11.7873	7.9745	6.47562	2.82623	1.49888	2.82623
	---	0.000134	14.4227	9.61277	8.11415	2.82572	1.49862	2.82572
	---	9.98E-05	15.5532	5.39408	3.89549	2.82566	1.49859	2.82566
Strbp	NM_009261	0.000292	11.8361	7.46304	5.96685	2.82096	1.49619	2.82096

Cacna1h	NM_021415	0.00078	9.18719	6.38409	4.8882	2.82039	1.4959	2.82039
	---	0.000241	12.4231	9.29797	7.80284	2.8189	1.49513	2.8189
Pcdh1	NM_029357	0.000178	13.4294	5.44766	3.9537	2.81661	1.49396	2.81661
Sord	NM_146126	0.006352	5.23726	10.6583	9.16453	2.81629	1.49379	2.81629
Shisa4	NM_175259	0.000713	9.40271	9.16471	7.67127	2.8156	1.49344	2.8156
Acot7	NM_133348	0.000698	9.45402	9.76622	8.2782	2.80505	1.48802	2.80505
Abcb6	NM_023732	0.000112	15.1153	8.35965	6.8735	2.80141	1.48615	2.80141
Zfp422	NM_026057	0.000204	12.9622	8.53312	7.04805	2.79931	1.48507	2.79931
Usp53	NM_133857	0.001128	8.34294	8.71739	7.23319	2.79763	1.48421	2.79763
	---	0.000398	10.9314	10.3898	8.90613	2.79658	1.48366	2.79658
Cd48	NM_007649	0.003024	6.42077	5.08696	3.60378	2.79563	1.48318	2.79563
Slc25a24	NM_172685	7.28E-05	16.8464	9.81996	8.34075	2.78797	1.47922	2.78797
	---	0.000134	14.419	10.1569	8.67893	2.78558	1.47798	2.78558
Rad51c	NM_053269	0.001455	7.80386	6.30861	4.83158	2.78375	1.47703	2.78375
MacroD2	NM_001013802	0.002454	6.79179	6.41612	4.94061	2.78082	1.47551	2.78082
MacroD2	NM_001013802	0.001389	7.89966	5.1162	3.6457	2.77119	1.47051	2.77119
Ppip5k1	NM_178795	1.44E-05	25.3393	7.40292	5.93441	2.76735	1.46851	2.76735
Pcdh9	NM_001081377	0.006619	5.17717	7.64325	6.17564	2.76564	1.46761	2.76564
	---	0.000175	13.4822	10.8789	9.41138	2.76548	1.46753	2.76548
Fam33a	NM_025377	0.006578	5.1863	8.67618	7.20871	2.76536	1.46747	2.76536
Adipor2	NM_197985	0.002524	6.74079	8.94078	7.47554	2.76109	1.46524	2.76109
Heatr2	NM_001081265	1.18E-05	26.6363	7.48832	6.02309	2.76108	1.46523	2.76108
Idh2	NM_173011	0.000279	11.9769	10.0964	8.63303	2.75756	1.46339	2.75756
Myo18a	NM_011586	0.00017	13.5941	7.7893	6.32743	2.75466	1.46187	2.75466
Synj2	NM_011523	3.89E-05	19.7308	8.63337	7.17216	2.75339	1.46121	2.75339
Map4k2	NM_009006	0.000428	10.7278	7.55722	6.09886	2.74797	1.45837	2.74797
	---	0.004771	5.67058	6.19466	4.7378	2.7451	1.45686	2.7451
Pcgf5	NM_029508	0.001943	7.22871	8.26675	6.81401	2.73728	1.45274	2.73728
Prss46	NM_183103	5.62E-05	17.9855	5.84643	4.39388	2.73691	1.45255	2.73691
Rftn2	NM_028713	3.58E-05	20.1471	7.99326	6.54371	2.73123	1.44955	2.73123
3110048L19Rik	NR_003549	0.003138	6.35693	7.91812	6.47144	2.7258	1.44668	2.7258

Edn1	NM_010104	0.00103	8.54345	6.17595	4.73006	2.72431	1.44589	2.72431
Dyrk3	NM_145508	0.00376	6.05265	7.12663	5.6818	2.7223	1.44483	2.7223
Sft2d2	NM_145512	0.000174	13.4955	8.73964	7.29655	2.71902	1.44309	2.71902
Sord	NM_146126	0.005851	5.35872	10.4704	9.02744	2.71876	1.44295	2.71876
Rcor2	NM_054048	0.000867	8.93657	7.28012	5.83807	2.71707	1.44205	2.71707
Vamp5	NM_016872	3.32E-05	20.5372	7.63702	6.19546	2.71613	1.44155	2.71613
	---	7.37E-05	16.7943	11.2083	9.76717	2.71539	1.44116	2.71539
Nfs1	NM_010911	0.000379	11.07	9.24685	7.80824	2.71059	1.43861	2.71059
Reep6	NM_139292	0.000691	9.47878	7.62346	6.18525	2.70983	1.4382	2.70983
Mrpl19	NM_026490	0.000233	12.5321	8.33239	6.89528	2.70777	1.43711	2.70777
Odz3	NM_011857	0.000263	12.1564	9.17189	7.73707	2.70347	1.43481	2.70347
Zfp157	NM_028130	0.004224	5.86318	8.02595	6.59137	2.70305	1.43459	2.70305
0610010O12Rik	BC028765	0.000502	10.2937	8.05893	6.62471	2.70237	1.43423	2.70237
Rgs7	NM_011880	0.00339	6.22534	4.61196	3.17811	2.70167	1.43385	2.70167
Gpr123	NM_177469	5.38E-05	18.1867	6.65523	5.22164	2.70117	1.43358	2.70117
Lcor	NM_172154	0.000201	13.009	8.58073	7.14741	2.70069	1.43333	2.70069
Rpa1	NM_001164223	0.001986	7.18698	8.62726	7.19744	2.69414	1.42983	2.69414
Scn3a	NM_018732	8.87E-05	16.0249	4.89202	3.46239	2.69377	1.42963	2.69377
Tlcd1	NM_026708	0.001083	8.43301	8.59501	7.16565	2.69327	1.42936	2.69327
Tnfrsf9	NM_011612	0.002934	6.47366	7.77629	6.34694	2.69325	1.42935	2.69325
Otud7a	NM_130880	0.000577	9.93382	5.92714	4.49941	2.69023	1.42773	2.69023
2310030G06Rik	BC027409	0.000759	9.25156	6.40078	4.97357	2.68926	1.42721	2.68926
	---	0.00424	5.85709	10.6165	9.19265	2.68301	1.42385	2.68301
Ehd4	NM_133838	0.004748	5.67815	8.15421	6.73055	2.68265	1.42366	2.68265
Hadh	NM_008212	0.000319	11.5642	11.0209	9.59775	2.68178	1.42319	2.68178
Hip1	NM_146001	0.000634	9.69307	7.86477	6.44187	2.68125	1.4229	2.68125
Nmt1	NM_008707	2.22E-05	22.7394	10.4795	9.05744	2.67977	1.42211	2.67977
Gdnf	NM_010275	0.001941	7.23039	8.3514	6.92941	2.67954	1.42199	2.67954
Glo1	NM_025374	5.06E-05	18.4666	10.102	8.68009	2.67937	1.42189	2.67937
Fahd1	NM_023480	0.001819	7.35577	6.84934	5.42831	2.67777	1.42103	2.67777
Ston2	NM_175367	0.003488	6.17756	6.83891	5.41903	2.67564	1.41988	2.67564

Cd300lb	NM_199221	0.001723	7.46325	6.66213	5.24391	2.67254	1.41821	2.67254
Ddr1	NM_007584	2.87E-05	21.3011	8.19401	6.77624	2.67173	1.41777	2.67173
Rhpn2	NM_027897	0.000691	9.47764	6.34121	4.92419	2.67034	1.41702	2.67034
Axl	NM_009465	2.36E-05	22.381	10.7282	9.31137	2.67006	1.41687	2.67006
Parvb	NM_133167	1.10E-05	27.0934	7.01545	5.59873	2.66978	1.41672	2.66978
Adssl1	NM_007421	0.004177	5.8814	7.84413	6.42874	2.66732	1.41539	2.66732
Plekhg4	NM_001081333	2.84E-05	21.3561	6.29555	4.8806	2.6665	1.41495	2.6665
Lrp11	NM_172784	0.000826	9.05118	8.50022	7.08875	2.66008	1.41147	2.66008
C1qtnf1	NM_019959	0.004062	5.9263	7.57183	6.16049	2.65985	1.41135	2.65985
Trim16	NM_053169	0.000674	9.53995	8.10094	6.69132	2.65667	1.40962	2.65667
	---	0.00221	6.98478	5.48576	4.07974	2.65004	1.40602	2.65004
Btbd9	NM_027060	1.21E-05	26.4516	8.4448	7.03915	2.64937	1.40565	2.64937
	---	0.000453	10.5717	10.9573	9.55178	2.64906	1.40548	2.64906
	---	0.002716	6.60928	8.98497	7.5797	2.64866	1.40526	2.64866
	---	8.38E-05	16.2543	11.3219	9.91706	2.64786	1.40483	2.64786
Ccnt1	NM_009833	0.000326	11.5003	9.26112	7.8573	2.64602	1.40382	2.64602
Chd7	NM_001081417	0.000409	10.8542	5.62206	4.21974	2.64326	1.40232	2.64326
Wdyhv1	NM_029734	0.000778	9.19361	8.95959	7.55769	2.6425	1.4019	2.6425
Dyrk4	NM_207210	0.002291	6.91833	5.76676	4.36566	2.64102	1.40109	2.64102
Hexim2	NM_027658	0.000545	10.0811	7.11466	5.71572	2.63708	1.39894	2.63708
Tmem62	NM_175285	0.001829	7.34574	7.41643	6.01893	2.63444	1.3975	2.63444
	---	0.00302	6.42349	8.15739	6.76125	2.63196	1.39614	2.63196
Cyfp2	NM_133769	0.000841	9.00816	6.6299	5.23379	2.6319	1.3961	2.6319
Bbs12	NM_001008502	0.003846	6.01554	6.17124	4.77591	2.63048	1.39533	2.63048
Plaur	NM_011113	0.001704	7.48456	8.75644	7.36147	2.62982	1.39496	2.62982
Stard13	NM_001163493	0.003453	6.1946	8.31442	6.91953	2.62968	1.39489	2.62968
Morc2a	NM_001159288	0.001076	8.44771	10.1125	8.71789	2.62914	1.39459	2.62914
Fam164a	NM_173181	0.001283	8.06563	9.39364	7.99975	2.62786	1.39389	2.62786
Glo1	NM_025374	5.04E-05	18.4813	10.1334	8.74217	2.62301	1.39122	2.62301
Ctsw	NM_009985	0.001256	8.11122	6.24522	4.85811	2.61555	1.38711	2.61555
	---	0.00596	5.33131	8.63363	7.24714	2.61443	1.38649	2.61443

Dagla	NM_198114	5.31E-06	32.5568	7.6151	6.2287	2.61427	1.38641	2.61427
Chd7	NM_001081417	0.000509	10.2584	5.0961	3.70977	2.61413	1.38633	2.61413
Msto1	NM_144898	0.000143	14.1887	8.24496	6.8605	2.61073	1.38445	2.61073
	---	2.31E-05	22.5007	11.7887	10.4042	2.61068	1.38443	2.61068
	---	0.005092	5.56955	4.56609	3.18303	2.60822	1.38307	2.60822
MacroD2	NM_028387	0.0007	9.44839	6.29665	4.91537	2.60499	1.38128	2.60499
Irf1	NM_008390	0.003954	5.97015	9.14553	7.7658	2.60219	1.37973	2.60219
Tra2a	AB052758	0.00155	7.67389	7.4618	6.08293	2.60064	1.37887	2.60064
Tle4	NM_011600	0.000921	8.79602	6.76819	5.39241	2.59508	1.37578	2.59508
Dhcr7	NM_007856	0.002571	6.70801	7.49529	6.11967	2.59479	1.37562	2.59479
Tmem171	NM_001025606	7.01E-05	17.0077	6.54714	5.17365	2.59097	1.37349	2.59097
Smarcd1	NM_031842	0.003273	6.28517	7.67512	6.30276	2.58894	1.37236	2.58894
Gata3	NM_008091	0.00095	8.72527	6.10841	4.73728	2.58673	1.37113	2.58673
Cpeb3	NM_198300	0.000665	9.57531	5.66125	4.29058	2.5859	1.37067	2.5859
Ces2g	NM_197999	0.002465	6.78412	7.17448	5.80634	2.58136	1.36813	2.58136
Spred2	NM_033523	0.000226	12.6341	8.53347	7.16591	2.58033	1.36756	2.58033
Ccnt2	NM_028399	0.001117	8.36454	9.42001	8.05264	2.57999	1.36737	2.57999
Chd7	NM_001081417	0.001835	7.33881	4.30329	2.93613	2.57963	1.36716	2.57963
Ankrd13c	NM_001013806	0.000436	10.6776	9.24749	7.88113	2.57818	1.36636	2.57818
Polr3h	NM_030229	0.000421	10.7728	7.27279	5.90805	2.57529	1.36473	2.57529
Tpra1	NM_011906	0.000154	13.9295	9.43662	8.07408	2.57138	1.36254	2.57138
Lrrc8b	NM_001033550	0.001535	7.69418	7.02696	5.66561	2.56926	1.36135	2.56926
Pnpla2	NR_028142	0.003622	6.11453	7.98432	6.62324	2.56878	1.36108	2.56878
D4Bwg0951e	BC030404	0.005542	5.44016	7.90317	6.54218	2.56861	1.36099	2.56861
Atp2a3	NM_016745	0.00019	13.1964	6.45744	5.09864	2.56472	1.3588	2.56472
Gm340	AK145489	0.003599	6.12522	6.92693	5.56822	2.56456	1.35871	2.56456
Tfric	NM_011638	0.006479	5.20825	9.67404	8.31699	2.56162	1.35706	2.56162
Tbc1d4	NM_001081278	0.000118	14.8966	6.37811	5.0211	2.56154	1.35701	2.56154
Tes	NM_207176	0.002171	7.01776	10.0583	8.70348	2.55762	1.3548	2.55762
Tjap1	NM_028751	5.42E-05	18.1454	7.71092	6.35641	2.55711	1.35451	2.55711
Chd7	NM_001081417	0.001422	7.85088	6.80194	5.44795	2.55617	1.35398	2.55617

Pde8a	NM_008803	0.000328	11.485	8.32749	6.97389	2.5555	1.35361	2.5555
Parp10	NM_001163575	6.98E-05	17.0267	8.03387	6.68563	2.54602	1.34825	2.54602
Rnd1	NM_172612	0.005774	5.37853	7.17855	5.83051	2.54565	1.34804	2.54565
Hbegf	NM_010415	0.004385	5.80364	8.70168	7.35523	2.54285	1.34645	2.54285
Rasal2	NM_177644	4.52E-05	19.0021	6.82556	5.4792	2.54269	1.34636	2.54269
Syne2	NM_001005510	0.000885	8.8897	6.50179	5.15582	2.54201	1.34597	2.54201
Zfp93	NM_009567	0.002724	6.60439	7.10234	5.75793	2.53926	1.34441	2.53926
Gpr141	NM_181754	0.000889	8.87909	4.27473	2.93045	2.53904	1.34429	2.53904
Tmcc3	NM_172051	0.000182	13.3523	6.53027	5.18754	2.53632	1.34274	2.53632
Fam126a	NM_053090	0.000584	9.89955	8.89259	7.55	2.53606	1.34259	2.53606
Fryl	NM_028194	0.002042	7.13353	7.98085	6.63967	2.53358	1.34118	2.53358
Wwc2	NM_133791	8.60E-05	16.1473	8.92326	7.58286	2.53223	1.34041	2.53223
Hdgfrp3	NM_013886	0.001346	7.96565	6.81042	5.47005	2.53216	1.34037	2.53216
Cntnap4	NM_130457	0.004553	5.74396	6.11857	4.77824	2.5321	1.34034	2.5321
Fam117b	NM_001037725	0.00215	7.03656	7.98977	6.65053	2.53019	1.33924	2.53019
Trmt12	NM_026642	0.004895	5.63033	7.06402	5.72535	2.52918	1.33867	2.52918
Fam83h	NM_134087	0.000775	9.20269	6.63346	5.29629	2.52654	1.33716	2.52654
Galnt7	NM_144731	0.000204	12.9717	8.23489	6.9008	2.52117	1.33409	2.52117
Fgyy	NM_001113412	0.003857	6.01092	7.06921	5.73608	2.51949	1.33313	2.51949
Slc5a8	NM_145423	0.000531	10.1458	5.90224	4.57072	2.51667	1.33152	2.51667
Clstn1	NM_023051	0.000183	13.3314	9.65759	8.32673	2.51554	1.33087	2.51554
Papolg	NM_172555	0.004139	5.89595	8.10977	6.78074	2.51235	1.32904	2.51235
Unc119	NM_011676	0.001476	7.77377	8.6326	7.30434	2.511	1.32826	2.511
	---	0.005783	5.37616	8.65222	7.3247	2.5097	1.32752	2.5097
Cttnal1	NM_018761	0.001621	7.5843	8.22187	6.89654	2.5059	1.32533	2.5059
Pik3r3	NM_181585	0.003613	6.11856	7.91467	6.59106	2.50292	1.32362	2.50292
Gmpr	NM_025508	0.000804	9.11279	6.79989	5.47786	2.50018	1.32203	2.50018
Ddx58	NM_172689	5.35E-05	18.2089	9.09901	7.77723	2.49974	1.32178	2.49974
	---	0.005104	5.56594	8.27143	6.94978	2.49951	1.32164	2.49951
Fut8	NM_016893	0.000474	10.4485	8.18128	6.86085	2.49741	1.32043	2.49741
Pigs	NM_201406	7.16E-05	16.9155	9.10149	7.78209	2.49562	1.3194	2.49562

Krtap1-5	NM_027157	0.002291	6.91809	4.53353	3.21463	2.49476	1.3189	2.49476
Ppp1r13b	NM_011625	0.000112	15.0947	6.77982	5.46121	2.49427	1.31862	2.49427
Kbtbd8	NM_001008785	0.000236	12.4979	5.17247	3.85393	2.49414	1.31854	2.49414
Tgtp1	NM_011579	0.003764	6.0511	5.79245	4.47426	2.49353	1.31819	2.49353
Eme2	NM_001163102	0.000636	9.68455	8.31961	7.00472	2.48784	1.31489	2.48784
Marveld1	NM_183195	3.32E-05	20.5436	10.2018	8.88834	2.48542	1.31349	2.48542
Tle1	NM_011599	0.001946	7.22526	7.4122	6.09913	2.48468	1.31306	2.48468
Pus10	NM_028304	0.000512	10.2411	8.84806	7.53521	2.48431	1.31285	2.48431
Capn5	NM_007602	0.000451	10.5839	8.13731	6.82531	2.48284	1.31199	2.48284
Rad21	NM_009009	3.20E-05	20.722	10.8478	9.53605	2.4825	1.31179	2.4825
Dtna	NM_207650	0.00323	6.30767	7.14446	5.83477	2.47888	1.30969	2.47888
Nap1l3	NM_138742	0.00069	9.48394	5.35501	4.04533	2.47886	1.30968	2.47886
P2rx7	NM_011027	0.002732	6.59905	7.65232	6.34292	2.47837	1.30939	2.47837
Tmem20	NM_175507	0.000795	9.14053	7.6378	6.32939	2.47669	1.30841	2.47669
Slc4a8	NM_021530	0.000139	14.2986	6.94179	5.63431	2.47509	1.30748	2.47509
	---	0.000621	9.74437	8.30436	6.99816	2.47291	1.30621	2.47291
Gm13154	NM_001014397	0.003481	6.18116	4.11743	2.81137	2.47266	1.30606	2.47266
Madd	NM_001177721	0.001136	8.32697	6.28049	4.97492	2.47181	1.30557	2.47181
Nup155	NM_133227	0.005675	5.40445	8.96526	7.66018	2.47097	1.30508	2.47097
Aox1	NM_009676	9.03E-05	15.9496	9.54353	8.24172	2.46539	1.30181	2.46539
Gm10351	AB010332	0.000237	12.4851	5.88152	4.58135	2.46259	1.30018	2.46259
Slc12a5	NM_020333	9.87E-06	27.8624	6.42985	5.13069	2.46086	1.29916	2.46086
	---	0.003899	5.9932	6.00686	4.70773	2.4608	1.29913	2.4608
Ccdc88c	NM_026681	0.000992	8.62782	6.33919	5.04008	2.46077	1.29911	2.46077
Plekhg1	NM_001033253	0.001128	8.34356	5.34076	4.04246	2.45939	1.2983	2.45939
Snx16	NM_029068	4.20E-05	19.3538	7.79923	6.50131	2.45874	1.29792	2.45874
Rasa4	NM_133914	0.002389	6.84082	7.2585	5.96235	2.45574	1.29616	2.45574
Ccdc92	NM_144819	0.002108	7.07372	7.25266	5.95714	2.45466	1.29552	2.45466
Fryl	NM_028194	0.002357	6.86603	7.54553	6.25182	2.45158	1.29371	2.45158
Mcm8	NM_025676	0.004181	5.87967	6.58236	5.28939	2.45032	1.29297	2.45032
Rab27b	NM_001082553	0.001685	7.50676	6.25397	4.96166	2.4492	1.29231	2.4492

Fryl	NM_028194	0.000554	10.0393	8.62333	7.3313	2.44871	1.29202	2.44871
Tmem37	NM_019432	0.004244	5.85577	6.34861	5.06199	2.43955	1.28662	2.43955
Fgyy	NM_001113412	0.006519	5.19944	6.47516	5.18886	2.43901	1.2863	2.43901
Insl6	NM_013754	0.006423	5.22091	6.09033	4.8053	2.43687	1.28503	2.43687
Tgtp1	NM_011579	0.005201	5.5368	5.39262	4.10761	2.43685	1.28502	2.43685
Tbc1d1	NM_019636	0.002771	6.57407	8.1556	6.87087	2.43636	1.28473	2.43636
Pde7a	NM_001122759	0.004804	5.65977	8.486	7.20403	2.4317	1.28197	2.4317
Gltpd1	NM_024472	0.000185	13.2866	7.54383	6.26269	2.43031	1.28114	2.43031
Gm13051	NM_001037926	0.00148	7.76822	8.90374	7.62354	2.42872	1.28019	2.42872
Cdc25b	NM_023117	0.000992	8.62935	7.31622	6.03656	2.42783	1.27967	2.42783
Capn11	NM_001013767	0.001289	8.0557	5.34794	4.0696	2.4256	1.27834	2.4256
Rbm38	NM_019547	0.000354	11.2643	7.59414	6.31614	2.42502	1.278	2.42502
Rasa3	NM_009025	0.005958	5.3318	9.44138	8.16502	2.42228	1.27637	2.42228
Lipo1	NM_001013770	0.000494	10.3392	7.68673	6.41133	2.42064	1.27539	2.42064
	---	0.001478	7.77179	7.17152	5.8964	2.4202	1.27513	2.4202
Rpp30	NM_019428	0.000368	11.1526	8.65661	7.38165	2.41992	1.27496	2.41992
Dock3	NM_153413	3.94E-05	19.6686	5.30534	4.03068	2.41942	1.27466	2.41942
BC034902	BC034902	0.000921	8.79618	5.55423	4.28049	2.41787	1.27374	2.41787
Gm962	BC147482	0.004048	5.93197	6.60319	5.32982	2.41726	1.27337	2.41726
Flrt3	NM_001172160	0.001918	7.2531	6.2212	4.9479	2.41714	1.2733	2.41714
Tspan14	NM_145928	4.21E-05	19.3451	8.64513	7.37207	2.41674	1.27306	2.41674
Slc12a7	NM_011390	0.000183	13.3243	7.21153	5.9389	2.41601	1.27263	2.41601
Ppp3ca	NM_008913	0.000148	14.0772	10.5869	9.31485	2.41503	1.27204	2.41503
Ormdl2	NM_024180	0.00288	6.506	7.3592	6.09079	2.40895	1.2684	2.40895
Prkar2b	NM_011158	0.005791	5.37424	8.62361	7.3563	2.40713	1.26731	2.40713
Prkaa2	NM_178143	0.003129	6.36216	6.02536	4.75975	2.40429	1.26561	2.40429
Gm2049	ENSMUST0000010897 8	0.001533	7.6971	5.19292	3.92893	2.4016	1.264	2.4016
Gm2049	ENSMUST0000010897 8	0.001533	7.6971	5.19292	3.92893	2.4016	1.264	2.4016
Ccdc43	NM_025918	0.001198	8.21357	7.306	6.04275	2.40036	1.26325	2.40036
	---	0.001758	7.42363	6.4054	5.14268	2.39947	1.26271	2.39947

Gramd4	NM_172611	0.001092	8.41467	8.84931	7.58767	2.39768	1.26164	2.39768
Mir181b-1	NR_029820	0.001516	7.71903	5.83574	4.5756	2.39518	1.26014	2.39518
ErbB3	NM_010153	0.003104	6.37601	6.15679	4.90042	2.38894	1.25637	2.38894
Mrpl45	NM_025927	0.001208	8.19512	8.67709	7.42109	2.38832	1.256	2.38832
Rnpepl1	NM_181405	0.000528	10.1623	7.32985	6.07478	2.38679	1.25507	2.38679
Spred3	NM_182927	2.66E-05	21.7105	7.23367	5.97891	2.38628	1.25476	2.38628
Ptpn4	NM_019933	0.00282	6.54298	6.68865	5.43394	2.3862	1.25471	2.3862
Pik3ip1	NM_178149	0.002253	6.94871	8.66084	7.40743	2.38404	1.25341	2.38404
Ces2d-ps	NR_033726	0.001039	8.52438	5.966	4.71373	2.38215	1.25227	2.38215
Gm14430	NM_001100415	0.002521	6.74323	9.31752	8.06576	2.38133	1.25176	2.38133
	1E+08 NM_001099327	0.002521	6.74323	9.31752	8.06576	2.38133	1.25176	2.38133
	ENSMUST0000010899							
0610010B08Rik	1	0.002521	6.74323	9.31752	8.06576	2.38133	1.25176	2.38133
	1E+08 NM_001099327	0.002521	6.74323	9.31752	8.06576	2.38133	1.25176	2.38133
Vmn1r43	NM_053220	0.001301	8.03721	4.37405	3.12496	2.37692	1.24909	2.37692
Cdyl2	NM_029441	0.001987	7.18556	6.91667	5.67029	2.37245	1.24638	2.37245
	---	0.002453	6.79253	9.32121	8.07712	2.3687	1.24409	2.3687
Map3k4	NM_011948	0.000591	9.87063	7.86004	6.61604	2.36854	1.244	2.36854
Lpcat4	NM_207206	6.61E-05	17.2601	7.63776	6.39397	2.36819	1.24379	2.36819
Shroom3	NM_015756	0.006496	5.20461	6.05755	4.81388	2.36799	1.24366	2.36799
Chchd3	NM_025336	0.000134	14.425	9.50982	8.26631	2.36774	1.24351	2.36774
	---	0.003364	6.23837	7.79645	6.55368	2.36652	1.24277	2.36652
Syne2	NM_001005510	0.001809	7.36736	6.67353	5.43181	2.36482	1.24173	2.36482
Ddx52	NM_030096	0.003555	6.14555	9.02387	7.7829	2.36358	1.24097	2.36358
Zfp110	NM_022981	0.000148	14.0735	8.77939	7.53925	2.36222	1.24014	2.36222
Grina	NM_023168	0.000615	9.7717	11.2113	9.97213	2.36066	1.23919	2.36066
1700010I14Rik	NM_025851	0.000132	14.4835	5.43487	4.19652	2.35928	1.23835	2.35928
Gjb3	NM_008126	0.003696	6.08098	6.22624	4.98997	2.35589	1.23627	2.35589
Calcoco1	NM_026192	0.001929	7.24243	9.95573	8.71958	2.3557	1.23615	2.3557
	---	0.005955	5.33261	6.00345	4.76786	2.35476	1.23558	2.35476
Vegfc	NM_009506	0.002692	6.62563	8.09335	6.85866	2.35332	1.2347	2.35332

Sik1	NM_010831	0.002596	6.69052	9.11572	7.8828	2.35042	1.23292	2.35042
Cyb5b	NM_025558	8.96E-05	15.9828	9.93692	8.70461	2.34943	1.23231	2.34943
	---	0.001516	7.71955	8.88093	7.64873	2.34925	1.2322	2.34925
Zfp111	NM_019940	0.001371	7.92684	6.77573	5.54429	2.34801	1.23144	2.34801
Fbxl16	NM_001164225	0.000743	9.30185	6.44165	5.21095	2.3468	1.2307	2.3468
Lrp8	NR_033496	0.00686	5.12556	6.80444	5.57441	2.34573	1.23004	2.34573
Suz12	NM_199196	0.002808	6.55034	9.06352	7.83411	2.3447	1.22941	2.3447
Tead2	NM_011565	0.00045	10.5897	8.63629	7.4071	2.34435	1.22919	2.34435
Gm10009	ENSMUST0000007105 9	0.000169	13.6014	5.34958	4.12068	2.34388	1.2289	2.34388
Zbtb10	NM_177660	0.002549	6.72313	7.91508	6.68786	2.34116	1.22722	2.34116
Scly	NM_016717	0.003688	6.0846	7.17168	5.9445	2.34108	1.22718	2.34108
	---	0.001374	7.92228	9.59968	8.37357	2.33935	1.22611	2.33935
Gm10752	ENSMUST0000009926 8	0.001373	7.92387	4.83651	3.61046	2.33925	1.22605	2.33925
Plekhg5	NM_001004156	0.002211	6.98363	7.38612	6.1616	2.33677	1.22452	2.33677
Tshz2	NM_080455	0.004646	5.71208	5.91967	4.69619	2.33509	1.22348	2.33509
Dcakd	NM_026551	3.57E-06	35.956	8.67118	7.44805	2.33453	1.22313	2.33453
Alcam	NM_009655	0.006279	5.25419	7.76321	6.54022	2.3343	1.22299	2.3343
Rhov	NM_145530	0.00245	6.79458	6.51712	5.29416	2.33425	1.22296	2.33425
Phka2	NM_172783	0.005024	5.59011	7.35728	6.13654	2.33067	1.22075	2.33067
	---	0.001752	7.43008	9.62496	8.40459	2.33006	1.22037	2.33006
Slc37a2	NM_001145960	0.006755	5.14778	6.63656	5.41761	2.32777	1.21895	2.32777
Dlx2	NM_010054	0.000742	9.30577	7.29508	6.07918	2.32287	1.21591	2.32287
	---	0.000208	12.9101	6.49806	5.28281	2.32182	1.21526	2.32182
Abtb2	NM_178890	0.000313	11.6274	7.60681	6.39214	2.32088	1.21467	2.32088
1110002L01Rik	NR_030694	0.002933	6.47446	7.34933	6.13708	2.31698	1.21224	2.31698
Tmem106c	NM_201359	0.002417	6.81955	7.77134	6.55972	2.31597	1.21162	2.31597
C030034I22Rik	NR_026848	0.000199	13.0487	5.79573	4.58412	2.31595	1.2116	2.31595
L3mbtl2	NM_145993	0.00098	8.65483	7.67064	6.45954	2.31515	1.2111	2.31515
Myst2	NM_001195003	9.70E-06	27.9858	9.77149	8.56046	2.31504	1.21104	2.31504
	---	0.002556	6.71834	5.71307	4.50244	2.31439	1.21063	2.31439

2610318N02Rik	BC039993	0.003111	6.37204	5.44383	4.23323	2.31434	1.2106	2.31434
Gpr56	NM_018882	8.67E-05	16.1155	6.51082	5.30088	2.31329	1.20995	2.31329
Erbp2	NM_001003817	2.10E-05	23.0464	7.85235	6.64354	2.31146	1.20881	2.31146
Tmem63b	NM_198167	0.000364	11.1829	8.05435	6.84646	2.30999	1.20788	2.30999
Abr	NM_198895	0.002686	6.62956	9.32049	8.11278	2.30971	1.20771	2.30971
Cpeb4	NM_026252	0.001663	7.53282	9.02988	7.82235	2.30941	1.20752	2.30941
	---	0.000635	9.68856	5.82692	4.61955	2.30918	1.20738	2.30918
Actl6a	NM_019673	0.000245	12.3725	8.5106	7.30353	2.30867	1.20706	2.30867
Pcx	NM_001162946	0.000346	11.3283	7.90305	6.69711	2.30688	1.20594	2.30688
A530032D15Rik	BC094285	0.00183	7.34438	6.30246	5.0969	2.30628	1.20556	2.30628
Lamb3	NM_008484	0.001168	8.26793	6.41213	5.20669	2.30608	1.20544	2.30608
Ermp1	NM_001081213	0.000345	11.3373	9.25042	8.04541	2.3054	1.20501	2.3054
Zhx2	NM_199449	0.000673	9.5461	8.11662	6.91199	2.3048	1.20464	2.3048
Pknox2	NM_001029838	0.000337	11.4077	5.31932	4.11888	2.2981	1.20044	2.2981
Sgca	NM_009161	0.000168	13.6358	6.04142	4.84133	2.29754	1.20009	2.29754
	---	0.001627	7.57634	9.29678	8.09745	2.29634	1.19934	2.29634
Vamp1	NM_001080557	0.000767	9.2262	6.9016	5.70238	2.29615	1.19922	2.29615
Plcd1	NM_019676	0.00013	14.5432	8.66571	7.46661	2.29597	1.1991	2.29597
Slc43a2	NM_173388	0.002821	6.54265	6.87639	5.67914	2.29303	1.19726	2.29303
Slc6a12	NM_133661	0.001294	8.04842	6.4445	5.24753	2.29257	1.19697	2.29257
	---	0.001324	7.99919	5.04074	3.84506	2.29053	1.19568	2.29053
Tmem199	NM_199199	0.000551	10.0509	8.10013	6.9048	2.28998	1.19533	2.28998
Grik5	NM_008168	0.000177	13.4536	7.29866	6.1039	2.28907	1.19476	2.28907
Endod1	NM_028013	3.16E-05	20.7906	7.4063	6.21217	2.28806	1.19413	2.28806
Smc4	NM_133786	0.00698	5.10061	8.74245	7.54905	2.28691	1.1934	2.28691
Tns1	NM_027884	0.002254	6.94843	9.21094	8.01771	2.28664	1.19323	2.28664
Polr2k	NM_001039368	0.000421	10.7744	8.5685	7.37565	2.28604	1.19285	2.28604
Nfkbil2	NM_183091	0.000493	10.3434	5.89056	4.69794	2.28568	1.19262	2.28568
Utrn	NM_011682	0.00259	6.6944	8.93763	7.74517	2.28542	1.19246	2.28542
Pfkm	NM_001163487	3.69E-05	20.0042	10.1691	8.97666	2.28539	1.19244	2.28539
Pigq	NM_011822	8.67E-05	16.1178	8.5895	7.3975	2.28469	1.192	2.28469

Tpd52	NM_001025261	0.001959	7.21296	5.25036	4.05883	2.28395	1.19153	2.28395
2410066E13Rik	BC042507	0.003611	6.11953	7.31626	6.12512	2.28333	1.19114	2.28333
	---	0.003005	6.43222	9.40387	8.21406	2.28123	1.18981	2.28123
2810001A02Rik	AK012625	0.001148	8.30512	8.35041	7.16136	2.28003	1.18905	2.28003
Mif4gd	NR_029442	0.000932	8.77056	7.90173	6.71317	2.27925	1.18856	2.27925
Tmem65	NM_175212	0.002058	7.11887	8.75884	7.57087	2.27832	1.18797	2.27832
Morc3	NM_001045529	0.003794	6.03788	8.9605	7.77278	2.27794	1.18773	2.27794
Prepl	NM_001163622	6.53E-05	17.3119	9.41138	8.22372	2.27783	1.18766	2.27783
	---	0.000137	14.3377	10.3485	9.1619	2.27623	1.18665	2.27623
Dennd1b	NM_001166501	0.001668	7.52663	7.3488	6.16257	2.27558	1.18624	2.27558
Ttll12	NM_183017	0.000236	12.4972	8.90159	7.71595	2.27464	1.18564	2.27464
Acsl3	NM_028817	0.000701	9.44396	8.40877	7.22322	2.27449	1.18554	2.27449
Cxcl10	NM_021274	0.005547	5.43889	6.60037	5.41707	2.27095	1.1833	2.27095
Ccl25	NM_009138	0.000365	11.178	6.79722	5.61713	2.26592	1.1801	2.26592
Orc2	NM_008765	0.001221	8.17217	8.22325	7.0433	2.2657	1.17996	2.2657
Dvl1	NM_010091	0.000103	15.4189	8.59949	7.42046	2.26424	1.17903	2.26424
Nol4	NM_001161483	0.001712	7.47491	4.89444	3.71543	2.2642	1.179	2.2642
9430007A20Rik	ENSMUST0000003032 8	0.004515	5.75714	5.74358	4.56468	2.26404	1.1789	2.26404
Spns2	NM_153060	0.000857	8.96495	6.66569	5.4873	2.26323	1.17838	2.26323
	---	0.000865	8.9433	3.61039	2.43454	2.25927	1.17586	2.25927
Rnpep	NM_145417	0.000312	11.6387	8.36528	7.18968	2.25886	1.1756	2.25886
Arhgef3	NM_027871	0.005215	5.53269	7.93822	6.76344	2.25758	1.17478	2.25758
Phtf2	NM_172992	0.000496	10.3301	7.37212	6.19793	2.25665	1.17419	2.25665
Ccdc132	NM_001167750	0.000181	13.3683	8.23893	7.0652	2.25595	1.17373	2.25595
Btbd19	NR_024078	0.000102	15.4684	7.09316	5.91952	2.2558	1.17364	2.2558
Efna3	NM_010108	0.003628	6.11198	6.69594	5.5226	2.25533	1.17334	2.25533
A730017L22Rik	AK166222	8.62E-05	16.1393	6.6264	5.45371	2.25432	1.17269	2.25432
4931406P16Rik	BC060233	0.004876	5.63638	8.91836	7.7492	2.2488	1.16916	2.2488
Gm9873	ENSMUST0000006389 1	0.000421	10.7736	4.81372	3.64526	2.24771	1.16846	2.24771
Ankib1	NM_001003909	3.77E-05	19.8844	9.33708	8.17008	2.24545	1.167	2.24545

	---	0.004085	5.91719	8.69892	7.53486	2.24087	1.16406	2.24087
Cbln3	NM_019820	0.000371	11.1259	5.74295	4.57974	2.23955	1.16321	2.23955
Wwc1	NM_170779	8.91E-05	16.0065	6.47976	5.3186	2.23637	1.16116	2.23637
Hey1	NM_010423	0.001744	7.43876	6.19187	5.03082	2.23621	1.16105	2.23621
Syne2	NM_001005510	0.00152	7.71451	6.42176	5.26211	2.23403	1.15965	2.23403
Ankrd13b	NM_172945	0.000146	14.1105	7.67036	6.51105	2.23351	1.15931	2.23351
Isg20	NM_020583	0.000141	14.2362	8.43051	7.27141	2.23318	1.1591	2.23318
Asap1	NM_010026	0.00015	14.0171	9.95262	8.79394	2.23253	1.15868	2.23253
Itgb5	NM_001145884	0.000301	11.7381	11.3992	10.2423	2.22986	1.15695	2.22986
Trim37	NM_197987	0.000516	10.2213	9.03418	7.87755	2.22937	1.15664	2.22937
Tsta3	NM_031201	0.002528	6.73838	8.78549	7.63022	2.22726	1.15527	2.22726
Abca5	NM_147219	8.66E-06	28.7958	8.62188	7.46684	2.2269	1.15504	2.2269
	---	0.001785	7.39318	4.73849	3.58364	2.22661	1.15485	2.22661
	---	0.003032	6.41666	8.24478	7.09104	2.22489	1.15374	2.22489
Thumpd3	NM_008188	0.005559	5.43576	8.21583	7.0622	2.22473	1.15363	2.22473
	---	0.006003	5.3207	9.15371	8.00048	2.22412	1.15323	2.22412
Sf3a1	NM_026175	9.18E-05	15.8827	8.30392	7.15073	2.22407	1.1532	2.22407
Tspan32	NM_020286	0.000437	10.6709	5.22328	4.0707	2.22312	1.15259	2.22312
Inpp1	NM_010567	0.000237	12.4784	9.6896	8.53723	2.22278	1.15237	2.22278
Coro1c	NM_011779	0.000592	9.86622	10.14	8.98923	2.22039	1.15081	2.22039
Sbf1	NM_001170561	0.000379	11.0665	9.39314	8.24303	2.2193	1.15011	2.2193
Xrcc5	NM_009533	0.00078	9.18651	9.1571	8.00768	2.21825	1.14942	2.21825
Edem2	NM_145537	0.000159	13.8252	7.84201	6.69328	2.21718	1.14873	2.21718
	---	0.000637	9.68306	9.95175	8.80302	2.21718	1.14873	2.21718
Rhbdd1	NM_029777	0.003972	5.96291	9.1329	7.98517	2.21565	1.14773	2.21565
Rsb1l	NM_001080977	0.000148	14.0617	9.24822	8.10084	2.2151	1.14737	2.2151
Tgfb1	NM_011577	0.000389	10.9908	9.66841	8.52188	2.2138	1.14653	2.2138
Tubg1	NM_134024	0.000524	10.1833	8.59051	7.44675	2.20957	1.14376	2.20957
Jakmip3	NM_028708	0.003317	6.26233	5.66731	4.52498	2.20737	1.14233	2.20737
Chd7	NM_001081417	0.00061	9.78854	6.69278	5.5571	2.19722	1.13568	2.19722
Myo7a	NM_008663	0.000663	9.58154	8.88433	7.74902	2.19667	1.13532	2.19667

Slc26a2	NM_007885	0.000258	12.2157	7.56185	6.42701	2.19595	1.13485	2.19595
Catsper2	NM_153075	0.003096	6.38013	6.07164	4.9375	2.19488	1.13414	2.19488
Tcf7	NM_009331	0.000658	9.60215	6.12708	4.99404	2.1932	1.13304	2.1932
Rnasen	NM_001130149	0.00198	7.19237	8.52232	7.38937	2.19307	1.13295	2.19307
2700078E11Rik	NM_030197	0.00012	14.8478	9.69733	8.5645	2.19288	1.13283	2.19288
4833420G17Rik	NM_001113550	0.000988	8.63854	9.14682	8.01403	2.19282	1.13279	2.19282
Lrrc8d	NM_178701	0.001382	7.90957	7.21836	6.08597	2.1922	1.13238	2.1922
	---	0.003693	6.08256	6.1037	4.9714	2.19208	1.1323	2.19208
Mink1	NM_001045959	0.000543	10.088	8.13913	7.0086	2.18939	1.13053	2.18939
Fgd6	NM_053072	0.000425	10.7495	5.82837	4.69875	2.18801	1.12962	2.18801
Sri	NM_025618	2.65E-05	21.7446	9.97429	8.84679	2.1848	1.1275	2.1848
Haghl	NM_026897	0.000962	8.69803	7.83093	6.7043	2.18348	1.12663	2.18348
Plekhh3	NM_146030	0.005763	5.38138	7.6668	6.54025	2.18337	1.12655	2.18337
Arf3	NM_007478	0.000658	9.60147	9.85631	8.73079	2.1818	1.12552	2.1818
Chn1	NM_001113246	0.003008	6.43003	4.9628	3.83775	2.1811	1.12505	2.1811
Osbpl2	NM_144500	0.002343	6.87636	9.24689	8.12187	2.18106	1.12503	2.18106
	---	0.004484	5.76792	5.06394	3.93952	2.18014	1.12442	2.18014
Mdh1	NM_008618	0.000109	15.2068	10.9745	9.85155	2.17792	1.12295	2.17792
Apol7a	NM_029419	0.002828	6.53786	4.52114	3.39886	2.17691	1.12228	2.17691
Cotl1	NM_028071	0.00102	8.56557	7.22657	6.10681	2.17312	1.11977	2.17312
Ercc2	NM_007949	0.000778	9.19249	7.04057	5.92183	2.17156	1.11873	2.17156
Gpr89	NM_026229	0.000328	11.4815	8.35465	7.23602	2.17141	1.11863	2.17141
Tsc22d3	NM_001077364	0.004368	5.80972	6.7556	5.63904	2.1683	1.11656	2.1683
Dci	NM_010023	9.54E-05	15.7309	9.23343	8.11716	2.16787	1.11628	2.16787
Dgkd	NM_177646	0.000651	9.62602	8.37299	7.25847	2.16523	1.11452	2.16523
Snap47	NM_144521	0.000704	9.43389	9.88383	8.76946	2.165	1.11437	2.165
Spg20	NM_144895	0.000522	10.1925	9.18062	8.06671	2.16432	1.11392	2.16432
Rnf181	NM_025607	0.000202	12.9929	9.77459	8.66087	2.16404	1.11373	2.16404
Dsn1	NM_025853	0.00495	5.61318	7.16444	6.05274	2.16099	1.11169	2.16099
Wdr60	NM_146039	0.002715	6.61029	6.84711	5.73578	2.16046	1.11134	2.16046
Snx15	NM_026912	8.79E-05	16.062	8.69491	7.5838	2.16011	1.11111	2.16011

Tlr3	NM_126166	0.002505	6.75434	6.78022	5.67007	2.15868	1.11015	2.15868
Cerk	NM_145475	0.001996	7.17743	7.44438	6.33457	2.15818	1.10982	2.15818
Traf4	NM_009423	0.001614	7.59278	8.30487	7.19512	2.15808	1.10975	2.15808
Cited2	NM_010828	0.004387	5.80289	10.0612	8.95148	2.15807	1.10974	2.15807
9030418K01Rik	NM_001081289	0.001521	7.71288	6.42586	5.31891	2.1539	1.10695	2.1539
Ppp1r9a	NM_181595	0.000824	9.05722	5.65215	4.54721	2.1509	1.10494	2.1509
Dhcr24	NM_053272	0.006627	5.17545	7.76166	6.65676	2.15084	1.1049	2.15084
Tob1	NM_009427	0.001055	8.49106	9.30287	8.19902	2.14928	1.10385	2.14928
Tgs1	NM_054089	0.005075	5.57459	7.38194	6.27814	2.1492	1.1038	2.1492
Gdpd1	NM_025638	0.00335	6.24556	8.6913	7.58782	2.14872	1.10348	2.14872
6330407J23Rik	NM_026138	0.003195	6.32615	5.21257	4.10983	2.14762	1.10274	2.14762
Pepd	NM_008820	0.000542	10.092	8.29276	7.19017	2.1474	1.10259	2.1474
	---	0.005115	5.56261	4.53733	3.43482	2.14728	1.10251	2.14728
Clcn3	NM_173874	5.09E-05	18.4426	7.09126	5.98886	2.14712	1.1024	2.14712
Smc3	NM_007790	3.39E-05	20.4369	10.1409	9.03898	2.14639	1.10191	2.14639
	---	0.000825	9.05309	10.5673	9.46552	2.14612	1.10173	2.14612
Gm906	BC147515	0.001252	8.11765	4.88223	3.78052	2.14609	1.10171	2.14609
Fubp1	NM_057172	0.00412	5.90331	10.128	9.02722	2.14465	1.10074	2.14465
D5Erttd579e	NM_001081232	0.002055	7.12149	7.44321	6.34337	2.14331	1.09984	2.14331
Tab1	NM_025609	0.001034	8.53474	7.53235	6.43312	2.14241	1.09923	2.14241
Zfp386	NM_001004066	0.002734	6.59755	8.39677	7.29758	2.14234	1.09919	2.14234
Ptpnj	NM_008982	0.006447	5.21549	7.1643	6.06588	2.1412	1.09842	2.1412
Tmem8	NM_021793	8.92E-05	16.0026	6.26744	5.16904	2.14118	1.0984	2.14118
Hdac7	NM_019572	0.001834	7.34038	8.78011	7.68214	2.14053	1.09797	2.14053
Rpf1	NM_027371	0.004505	5.76055	9.18984	8.09212	2.14017	1.09773	2.14017
Slc9a3r2	NM_023055	0.000741	9.30974	7.44326	6.34554	2.14016	1.09772	2.14016
Tnr	NM_022312	0.001005	8.59862	5.53495	4.43825	2.13866	1.0967	2.13866
	---	0.006544	5.19388	5.33101	4.2357	2.13659	1.09531	2.13659
Usp6nl	NM_181399	0.004215	5.8669	7.6645	6.56948	2.13616	1.09502	2.13616
Gosr1	NM_016810	0.001476	7.77459	10.0921	8.9977	2.13523	1.09439	2.13523
Serpinb9b	NM_011452	0.000292	11.8345	6.1424	5.04817	2.13498	1.09422	2.13498

Sfi1	NM_030207	0.000537	10.1164	7.63076	6.53697	2.13434	1.09379	2.13434
Slc6a9	NM_008135	0.000734	9.33088	9.53816	8.44459	2.13403	1.09358	2.13403
Chka	NM_013490	0.005258	5.52021	7.30372	6.21059	2.13336	1.09313	2.13336
Unc5b	NM_029770	0.006253	5.26038	8.67498	7.58205	2.13307	1.09293	2.13307
Ppp2r5d	NM_009358	6.74E-05	17.1789	8.79155	7.69868	2.13298	1.09287	2.13298
Fscn1	NM_007984	0.001921	7.25088	10.2132	9.12193	2.13063	1.09128	2.13063
Efhc2	NM_028916	0.000523	10.1858	4.99258	3.9047	2.12561	1.08788	2.12561
	---	0.002993	6.43899	8.46406	7.37723	2.12406	1.08682	2.12406
Ints2	NM_027421	0.000303	11.7201	8.52966	7.4438	2.12264	1.08586	2.12264
Samd9l	NM_010156	0.00237	6.85572	7.49512	6.40936	2.12249	1.08575	2.12249
Tbl3	NM_145396	0.00301	6.42894	8.44376	7.35839	2.12192	1.08537	2.12192
Ppef1	NM_011147	0.002649	6.65423	4.4388	3.35552	2.11885	1.08328	2.11885
Uros	NM_009479	0.000365	11.1725	7.65058	6.56765	2.11833	1.08293	2.11833
Rhobtb2	NM_153514	0.004346	5.8178	6.96879	5.88594	2.11821	1.08285	2.11821
	---	0.002692	6.62526	5.79548	4.71306	2.11758	1.08242	2.11758
Rab28	NM_027295	0.000368	11.1505	9.02215	7.94076	2.11607	1.08139	2.11607
Zfp827	NM_178267	0.006991	5.09831	8.00549	6.92508	2.11464	1.08041	2.11464
	---	0.00012	14.8421	5.65813	4.57789	2.11439	1.08024	2.11439
2610507B11Rik	NM_001002004	6.20E-05	17.5447	10.4345	9.35481	2.11359	1.0797	2.11359
Synrg	NM_001115009	0.000738	9.31774	7.38215	6.30445	2.11067	1.0777	2.11067
Tmem189	NM_145538	0.001532	7.69764	8.69144	7.61381	2.11057	1.07763	2.11057
Chd7	NM_001081417	0.001918	7.25354	5.24336	4.167	2.1087	1.07635	2.1087
Prss23	NM_029614	0.000933	8.76643	6.35732	5.28099	2.10867	1.07633	2.10867
	---	0.000717	9.38895	7.39687	6.32073	2.10839	1.07614	2.10839
2310035C23Rik	NM_173187	4.58E-05	18.9339	8.48258	7.40782	2.10638	1.07476	2.10638
	---	0.001189	8.22901	11.37	10.2954	2.10615	1.07461	2.10615
2010011120Rik	NM_025912	0.005629	5.41691	7.45535	6.38126	2.1054	1.07409	2.1054
Rnu3b1	NR_004415	0.000941	8.7486	9.50206	8.42805	2.10528	1.07401	2.10528
Rnu3b1	NR_004415	0.000941	8.7486	9.50206	8.42805	2.10528	1.07401	2.10528
Rnu3b1	NR_004415	0.000941	8.7486	9.50206	8.42805	2.10528	1.07401	2.10528
Rnu3b1	NR_004415	0.000941	8.7486	9.50206	8.42805	2.10528	1.07401	2.10528

Thns1	NM_177588	0.000585	9.89774	6.59884	5.52601	2.10355	1.07283	2.10355
Pik3c2a	NM_011083	0.001594	7.61746	8.87	7.79894	2.10096	1.07105	2.10096
Chd7	NM_001081417	0.000355	11.2576	7.65359	6.58255	2.10095	1.07104	2.10095
Tm7sf2	NM_028454	9.97E-05	15.5541	7.43523	6.36474	2.10014	1.07049	2.10014
Rnf157	NM_027258	0.002494	6.76273	6.47776	5.40776	2.09943	1.06999	2.09943
Hist1h2bg	NM_178196	0.002094	7.08603	6.18483	5.11517	2.09894	1.06966	2.09894
Nefl	NM_010910	0.000444	10.6253	5.52438	4.45503	2.09849	1.06935	2.09849
Apobec3	NM_001160415	0.006111	5.29413	8.07717	7.008	2.09822	1.06917	2.09822
Nck2	NM_010879	0.000423	10.759	7.78596	6.717	2.09793	1.06896	2.09793
Wnt9a	NM_139298	0.003151	6.35005	7.61238	6.54542	2.09502	1.06696	2.09502
Tead4	NM_011567	0.001213	8.18574	6.52293	5.45632	2.09451	1.06661	2.09451
A430105119Rik	NM_001001982	0.001434	7.83385	7.84158	6.77536	2.09394	1.06622	2.09394
Vezf1	NM_016686	0.000575	9.93995	9.07274	8.00708	2.09314	1.06567	2.09314
Tbc1d22a	NM_145476	0.002181	7.00963	8.36504	7.30015	2.09202	1.06489	2.09202
Chd7	NM_001081417	3.53E-05	20.218	6.33663	5.27188	2.0918	1.06474	2.0918
Mtmt14	NM_026849	0.004721	5.6868	8.62153	7.55805	2.08997	1.06348	2.08997
Msi2	NM_054043	0.000128	14.604	9.43058	8.36829	2.08824	1.06229	2.08824
Pard6b	NM_021409	6.21E-05	17.5384	6.30057	5.23843	2.08803	1.06214	2.08803
0610010B08Rik	ENSMUST0000010899 1	0.005169	5.5463	9.95445	8.89269	2.08747	1.06176	2.08747
Gm14430	NM_001100415	0.005169	5.5463	9.95445	8.89269	2.08747	1.06176	2.08747
1E+08	NM_001099327	0.005169	5.5463	9.95445	8.89269	2.08747	1.06176	2.08747
Gm14430	NM_001100415	0.005169	5.5463	9.95445	8.89269	2.08747	1.06176	2.08747
0610010B08Rik	ENSMUST0000010899 1	0.005169	5.5463	9.95445	8.89269	2.08747	1.06176	2.08747
0610010B08Rik	ENSMUST0000010899 1	0.005169	5.5463	9.95445	8.89269	2.08747	1.06176	2.08747
0610010B08Rik	ENSMUST0000010899 1	0.005169	5.5463	9.95445	8.89269	2.08747	1.06176	2.08747
Chac1	NM_026929	0.007056	5.08507	7.89874	6.83942	2.08395	1.05932	2.08395
	---	0.000302	11.7331	4.0158	2.9567	2.08363	1.0591	2.08363
Ciapi1	NM_134141	0.000227	12.617	8.49724	7.43979	2.08125	1.05745	2.08125
Psme2	NM_011190	0.001558	7.66403	7.70162	6.64647	2.07793	1.05515	2.07793

Vps53	NM_026664	0.000544	10.0852	8.48352	7.42877	2.07736	1.05475	2.07736
Pldn	NM_019788	0.002449	6.79532	7.99638	6.94268	2.07584	1.0537	2.07584
Epn2	NM_010148	0.00049	10.3625	8.18589	7.13385	2.07346	1.05204	2.07346
Ttll1	NM_178869	0.000648	9.63855	8.70371	7.6518	2.07328	1.05191	2.07328
	---	0.000601	9.82745	6.60937	5.55789	2.07266	1.05148	2.07266
Zcwpw1	NM_001005426	0.002594	6.69149	6.53074	5.47952	2.07228	1.05122	2.07228
Lrrc16a	NM_026825	0.001764	7.41636	8.17578	7.12488	2.07182	1.0509	2.07182
Efna3	NM_010108	0.004901	5.62846	5.39442	4.3437	2.07156	1.05072	2.07156
	---	0.00124	8.13879	10.9281	9.87768	2.07118	1.05045	2.07118
Zdhhc13	NM_028031	7.60E-05	16.6655	8.78254	7.73277	2.07019	1.04977	2.07019
Pak1	NM_011035	0.001795	7.38238	7.95723	6.90783	2.06966	1.0494	2.06966
Abat	NM_172961	0.005952	5.33339	8.02283	6.97355	2.06949	1.04927	2.06949
Zfp238	NM_001012330	0.001057	8.48751	7.23671	6.18765	2.06919	1.04906	2.06919
C330019L16Rik	NM_001034857	0.000761	9.24353	5.46035	4.4115	2.06888	1.04885	2.06888
Got1	NM_010324	0.004689	5.69768	10.2946	9.24605	2.06848	1.04857	2.06848
Sgms1	NM_001168525	0.000287	11.8876	8.93402	7.88598	2.06772	1.04804	2.06772
	---	0.001224	8.1672	9.09426	8.04661	2.06716	1.04765	2.06716
	---	0.001725	7.46093	9.72593	8.67874	2.0665	1.04719	2.0665
Ptprj	NM_008982	0.006456	5.21346	7.44069	6.39465	2.06485	1.04604	2.06485
Ppp6r3	NM_028999	2.85E-05	21.3491	10.0963	9.05039	2.06462	1.04588	2.06462
Fam49b	NM_144846	0.001767	7.41277	8.13037	7.08495	2.06396	1.04542	2.06396
Tbrg4	NM_134011	0.001015	8.57689	8.09641	7.05107	2.06385	1.04534	2.06385
Rb1	NM_009029	0.006049	5.30927	7.37418	6.32899	2.06365	1.0452	2.06365
5031425E22Rik	BC050254	0.001914	7.25731	6.92861	5.8848	2.06168	1.04382	2.06168
Eif2b2	NM_145445	0.000196	13.103	8.42025	7.3768	2.06114	1.04344	2.06114
Ormdl1	NM_145517	0.000731	9.34133	6.61943	5.57623	2.0608	1.0432	2.0608
Pstpip2	NM_013831	0.001137	8.32681	4.92796	3.88506	2.06036	1.0429	2.06036
Ptrf	NM_008986	4.77E-05	18.7445	9.90544	8.86379	2.05859	1.04165	2.05859
Dennd2a	NM_172477	0.000158	13.8373	8.35407	7.31266	2.05823	1.04141	2.05823
Fign	NM_021716	0.003866	6.0071	4.84187	3.80046	2.05823	1.0414	2.05823
Prr5l	NM_001083810	0.003468	6.18747	4.63249	3.59111	2.0582	1.04139	2.0582

Ces4a	NM_146213	0.001182	8.24105	5.67266	4.63153	2.05784	1.04113	2.05784	
Patz1	NM_019574	0.000663	9.58005	7.64666	6.60641	2.05658	1.04025	2.05658	
	---	0.003876	6.00271	7.40343	6.3636	2.05599	1.03983	2.05599	
Abca2	NM_007379	0.001129	8.34092	7.6526	6.61342	2.05506	1.03918	2.05506	
Casp3	NM_009810	0.000257	12.2238	8.75419	7.71559	2.05423	1.03859	2.05423	
Cenpt	NM_177150	0.000692	9.47592	7.54686	6.50973	2.05214	1.03713	2.05214	
Rhebl1	NM_026967	0.002422	6.81585	6.01662	4.98114	2.04979	1.03548	2.04979	
Trit1	NM_025873	0.003122	6.36617	7.287	6.25167	2.04958	1.03533	2.04958	
Eed	NM_021876	0.001986	7.18654	8.47843	7.44561	2.04602	1.03282	2.04602	
2310001A20Rik	NM_027977	3.31E-06	36.6575	8.747	7.71426	2.04591	1.03274	2.04591	
Ddx23	NM_001080981	3.92E-05	19.7001	9.17071	8.14092	2.04173	1.02979	2.04173	
	---	0.006986	5.09931	8.84004	7.81096	2.04072	1.02908	2.04072	
Al606181	BC116839	4.39E-05	19.1362	6.03527	5.0063	2.04056	1.02897	2.04056	
Schip1	NM_001113421	2.42E-05	22.2293	8.28968	7.26073	2.04055	1.02896	2.04055	
Mtap	NM_024433	0.004576	5.73586	8.54612	7.51823	2.03904	1.02789	2.03904	
Nol11	NM_133702	0.00258	6.70173	8.79518	7.76802	2.038	1.02716	2.038	
Kcnh2	NM_013569	0.002899	6.49436	6.1003	5.07471	2.03578	1.02558	2.03578	
	---	0.001966	7.20571	8.86202	7.83695	2.03506	1.02507	2.03506	
Med1	NM_013634	0.000515	10.2278	8.83026	7.80572	2.03431	1.02454	2.03431	
	---	0.001517	7.71778	9.98126	8.95761	2.03306	1.02365	2.03306	
	9-Mar	NM_001033262	0.004535	5.75006	6.42201	5.39968	2.03119	1.02233	2.03119
Nudcd1	NM_026149	0.000544	10.0822	9.13545	8.11445	2.02932	1.021	2.02932	
	---	0.002764	6.57881	7.27063	6.25029	2.02839	1.02034	2.02839	
Frk	NM_001159544	0.002536	6.7322	7.77865	6.75873	2.02781	1.01992	2.02781	
Sart3	NM_016926	0.000185	13.2947	8.01916	6.99955	2.02736	1.0196	2.02736	
Znrf3	NM_001080924	0.003989	5.95583	7.1559	6.13678	2.02668	1.01912	2.02668	
S100a10	NM_009112	0.001291	8.05232	12.2044	11.1866	2.02475	1.01775	2.02475	
Arhgef10	NM_172751	0.00103	8.54326	7.51194	6.49699	2.02084	1.01496	2.02084	
Hpcal1	NM_016677	0.006702	5.15913	8.70101	7.6861	2.02078	1.01491	2.02078	
Smap2	NM_133716	0.000835	9.02487	7.89771	6.88296	2.02055	1.01475	2.02055	
Elp4	NM_023876	0.002549	6.72297	8.04672	7.03256	2.01973	1.01416	2.01973	

Pdzd8	NM_001033222	0.002612	6.6792	9.12087	8.10685	2.01953	1.01402	2.01953
Strn	NM_011500	0.001856	7.31736	8.276	7.26214	2.01932	1.01387	2.01932
Slc48a1	NM_026353	0.004564	5.74001	10.3985	9.38475	2.01921	1.01379	2.01921
	---	0.000755	9.26553	4.98287	3.96909	2.0192	1.01378	2.0192
Med24	NM_011869	0.001695	7.49533	9.04701	8.03329	2.0191	1.01371	2.0191
	---	0.002197	6.99573	8.53078	7.51822	2.01748	1.01255	2.01748
Lmbrd2	NM_177178	0.00032	11.5564	8.9109	7.89863	2.01708	1.01227	2.01708
Sec14l2	NM_144520	0.00152	7.71437	6.26951	5.25753	2.01667	1.01198	2.01667
	---	8.85E-05	16.031	10.122	9.1107	2.01572	1.01129	2.01572
S100a3	NM_011310	0.000191	13.193	5.74131	4.73012	2.01558	1.01119	2.01558
Atp6v0b	NM_033617	0.001028	8.5491	10.8454	9.83448	2.01522	1.01094	2.01522
Zfp53	NM_013843	0.006096	5.29786	7.28102	6.27092	2.01406	1.01011	2.01406
Ipp	NM_008389	0.000216	12.7764	6.30758	5.29845	2.01269	1.00912	2.01269
Il2rb	NM_008368	0.005381	5.48491	5.10308	4.09417	2.01239	1.00891	2.01239
Atxn10	NM_016843	0.000218	12.7513	11.0149	10.006	2.01236	1.00889	2.01236
Crlf1	NM_018827	0.005178	5.54371	9.6537	8.64487	2.01228	1.00883	2.01228
Sf3b2	NM_030109	0.00028	11.9638	9.34525	8.33668	2.0119	1.00856	2.0119
Xpo4	NM_020506	0.001185	8.23645	8.32093	7.3126	2.01159	1.00834	2.01159
Tcfcp2	NM_033476	0.001432	7.83582	8.28185	7.27358	2.01149	1.00827	2.01149
Ccdc28a	NM_144820	0.00656	5.19034	6.54124	5.53362	2.0106	1.00762	2.0106
Ccdc136	NM_145574	0.000351	11.2891	7.62463	6.61736	2.0101	1.00727	2.0101
Yaf2	NR_028315	0.001912	7.2593	8.36473	7.3575	2.01006	1.00724	2.01006
Cd151	NM_009842	6.91E-05	17.0675	9.5792	8.57309	2.00849	1.00611	2.00849
Zfp788	NM_023363	0.000743	9.30321	7.37901	6.37383	2.0072	1.00518	2.0072
Zfp788	NM_023363	0.000743	9.30321	7.37901	6.37383	2.0072	1.00518	2.0072
Ppfibp1	NM_001170433	0.000932	8.77108	11.003	9.99867	2.00597	1.0043	2.00597
Usp20	NM_028846	0.004454	5.77858	7.06912	6.06485	2.00593	1.00427	2.00593
Polr3c	NM_028925	0.001195	8.21733	8.95455	7.95136	2.00442	1.00319	2.00442
Sgms2	NM_028943	0.003219	6.3135	6.90453	5.9018	2.00378	1.00273	2.00378
Mrpl47	NM_029017	0.007028	5.09072	6.43818	5.43571	2.00343	1.00247	2.00343
Lgals9	NM_010708	0.004155	5.88985	9.50825	8.50703	2.00169	1.00122	2.00169

Mlst8	NM_019988	5.06E-05	18.4683	8.19636	7.19536	2.00139	1.001	2.00139
Phf10	NM_024250	7.78E-05	16.5639	8.62532	7.62461	2.00098	1.00071	2.00098
Ndufs5	NM_001030274	0.000584	9.90059	7.49777	6.4972	2.00078	1.00056	2.00078
Ada	NM_007398	0.001149	8.30375	6.7311	5.73054	2.00077	1.00056	2.00077
Slc25a39	NM_026542	0.001132	8.33643	10.4512	9.4516	1.99945	0.999601	1.99945
Rfwd3	NM_146218	0.004999	5.59792	8.64312	7.64368	1.99922	0.999439	1.99922
Abca7	NM_013850	0.000265	12.1361	7.30161	6.30226	1.99909	0.999344	1.99909
Cdh2	NM_007664	0.006867	5.12393	8.61873	7.62141	1.9963	0.997327	1.9963
Plekho1	NM_023320	0.00158	7.63563	8.31792	7.3213	1.99533	0.996624	1.99533
Acadm	NM_007382	0.000877	8.90941	10.3059	9.31126	1.99256	0.994625	1.99256
Dhx32	NM_133941	0.000726	9.35845	7.88799	6.89343	1.99249	0.994569	1.99249
Rarg	NM_011244	0.001353	7.95488	8.29457	7.30078	1.99141	0.993789	1.99141
	---	0.006031	5.31378	4.80693	3.81462	1.98936	0.992307	1.98936
Ikbkg	NM_001136067	0.001482	7.7661	8.18803	7.19581	1.98924	0.992215	1.98924
Hif1an	NM_176958	0.003518	6.16341	7.69638	6.70463	1.98859	0.991747	1.98859
Lpar6	NM_175116	0.005083	5.57231	8.30674	7.31538	1.98806	0.991362	1.98806
Chd7	NM_001081417	0.000803	9.1159	5.87479	4.88387	1.98745	0.990919	1.98745
Smg5	NM_178246	0.001028	8.54767	7.91375	6.92366	1.98631	0.990089	1.98631
Zcchc4	NM_030185	0.003794	6.03773	7.51845	6.52922	1.98512	0.989223	1.98512
Tmem184a	NM_001161548	0.000544	10.0832	5.44389	4.45472	1.98505	0.989179	1.98505
Alg6	NM_001081264	0.003621	6.11518	6.72526	5.73621	1.98488	0.98905	1.98488
Crlf3	NM_018776	1.73E-06	43.1191	8.74471	7.75602	1.98438	0.988687	1.98438
Zfp706	NM_026521	0.000838	9.01712	10.2457	9.2579	1.9832	0.987832	1.9832
Slc3a1	NM_009205	0.005026	5.58966	5.57684	4.59023	1.98153	0.986614	1.98153
Copg2	NM_017478	0.005589	5.42761	9.78899	8.80351	1.97998	0.985485	1.97998
Tubgcp6	NM_001163319	5.91E-05	17.757	6.95912	5.97386	1.97967	0.985259	1.97967
Alox5ap	NM_009663	0.002628	6.66866	5.896	4.91107	1.97922	0.984934	1.97922
Atp6v1c1	NM_025494	0.001478	7.77139	10.3074	9.32296	1.97849	0.984399	1.97849
BC023105	BC023105	0.003841	6.01766	3.67179	2.68797	1.9777	0.983825	1.9777
Pigf	NM_008838	0.004802	5.66019	8.19899	7.2155	1.97723	0.983484	1.97723
Lrrc14	NM_145471	2.65E-05	21.735	8.2016	7.21816	1.97716	0.983431	1.97716

Cpd	NM_007754	0.000236	12.5001	9.18875	8.20535	1.97712	0.983402	1.97712
Cpox	NM_007757	0.00158	7.63627	7.88519	6.90188	1.977	0.983313	1.977
Tcf7l2	NM_001142918	0.000615	9.7697	8.19296	7.21123	1.97484	0.981738	1.97484
Ap1g1	NM_009677	0.000128	14.5936	9.62983	8.64876	1.97393	0.981069	1.97393
	---	0.00411	5.90746	8.79647	7.81543	1.97388	0.981038	1.97388
Apbb1	NM_009685	0.000409	10.8529	7.40845	6.42753	1.97373	0.980924	1.97373
Lss	NM_146006	0.00347	6.18643	7.34691	6.36632	1.97326	0.980584	1.97326
Psme1	NM_011189	0.000319	11.5658	10.2895	9.30928	1.97271	0.980181	1.97271
Irs2	NM_001081212	0.003566	6.14042	7.1492	6.17008	1.97126	0.979121	1.97126
Slc25a10	NM_013770	0.000347	11.3235	7.91845	6.93945	1.9711	0.978998	1.9711
Cdh22	NM_174988	0.000834	9.02655	6.14037	5.1622	1.96995	0.978162	1.96995
Lancl2	NM_133737	0.00606	5.30657	8.53343	7.55538	1.9698	0.978047	1.9698
Pmepa1	NM_022995	0.003814	6.0293	10.2712	9.29341	1.96948	0.977812	1.96948
Tusc5	NM_177709	0.004411	5.79411	5.99601	5.02033	1.96657	0.975684	1.96657
Rfwd3	NM_146218	0.005136	5.55612	8.61755	7.64287	1.96521	0.974682	1.96521
Bcas3	NM_138681	0.000219	12.7387	7.55571	6.58115	1.96504	0.97456	1.96504
Asxl1	NM_001039939	0.00508	5.57299	8.78485	7.81075	1.96441	0.974096	1.96441
Coq5	NM_026504	0.003233	6.30594	7.67382	6.70052	1.96332	0.973298	1.96332
Fam82a1	NM_201361	0.002036	7.13897	7.25459	6.2814	1.96318	0.97319	1.96318
Osgpl1	NM_028091	0.000408	10.8627	6.69105	5.71912	1.96146	0.971929	1.96146
Wbp2	NM_016852	0.000675	9.53563	8.82293	7.85203	1.96006	0.970901	1.96006
Hist1h4j	NM_178210	0.001851	7.32219	5.791	4.82026	1.95985	0.970743	1.95985
Zmym6	NM_177462	0.001154	8.29414	8.55804	7.58783	1.95913	0.970212	1.95913
Phlpp1	NM_133821	0.006583	5.18516	6.74772	5.77868	1.95754	0.969044	1.95754
Git1	NM_001004144	6.87E-05	17.0926	8.51857	7.54957	1.95749	0.969004	1.95749
Phf14	NM_029404	0.006049	5.30944	7.995	7.02601	1.95747	0.968992	1.95747
Terf1	NM_009352	0.000621	9.74632	7.81256	6.84367	1.95732	0.968883	1.95732
Ptar1	NM_028208	0.003192	6.32812	8.59575	7.62689	1.95729	0.968861	1.95729
Mars2	NM_175439	0.00098	8.65671	6.98923	6.02054	1.95707	0.968693	1.95707
Morn4	NM_198108	0.00146	7.79716	8.08179	7.11321	1.95692	0.968581	1.95692
Dcun1d4	NM_001190734	0.003884	5.99948	8.21764	7.25037	1.95514	0.967269	1.95514

Pcyt1b	NM_211138	0.001015	8.57726	6.5121	5.54529	1.95452	0.966812	1.95452
Krt14	NM_016958	0.002542	6.72832	5.33644	4.37077	1.95296	0.965663	1.95296
	---	0.003694	6.08186	9.68493	8.71934	1.95286	0.96559	1.95286
Spata6	NM_026470	0.002422	6.81565	7.04791	6.0827	1.95234	0.965205	1.95234
Hrc	NM_010473	0.00151	7.72754	5.89264	4.92821	1.95129	0.964427	1.95129
Trip12	NM_133975	0.000151	14.0047	11.1011	10.1376	1.95004	0.963502	1.95004
Pot1a	NM_133931	0.004719	5.68758	8.42524	7.46251	1.949	0.962735	1.949
Rpusd1	NM_028009	0.000957	8.71075	7.56867	6.60645	1.9483	0.962218	1.9483
Trpm6	NM_153417	0.00027	12.0752	5.36832	4.40639	1.94793	0.961938	1.94793
Nppb	NM_008726	0.006889	5.11949	5.67778	4.71592	1.94782	0.961859	1.94782
Prss42	NM_153099	0.002937	6.47167	5.01033	4.0485	1.94779	0.961837	1.94779
Cpsf1	NM_001164173	0.000556	10.0264	8.13827	7.17725	1.94668	0.961019	1.94668
Tubb2b	NM_023716	0.001157	8.28881	7.58656	6.62596	1.94612	0.960598	1.94612
2700046G09Rik	NR_033198	0.000105	15.3498	6.33048	5.371	1.94461	0.959482	1.94461
Aco2	NM_080633	0.000115	15.0096	11.2261	10.268	1.94275	0.9581	1.94275
Zc3hc1	NM_172735	0.002579	6.70182	8.13728	7.18309	1.93749	0.954188	1.93749
Smyd4	NM_001102611	0.000393	10.9652	6.92692	5.97276	1.93745	0.95416	1.93745
Oip5	NM_001042653	0.001599	7.61217	4.95537	4.0013	1.93733	0.954067	1.93733
Krit1	NR_033173	0.000311	11.6441	8.92669	7.97324	1.9365	0.953449	1.9365
BC052040	NM_001145898	0.000422	10.7641	7.18063	6.22752	1.93603	0.953105	1.93603
Zfp661	NM_028141	0.000174	13.497	7.04661	6.09352	1.93601	0.953089	1.93601
Ssfa2	NM_080558	0.00483	5.65133	7.50222	6.54954	1.93546	0.952679	1.93546
	---	0.003306	6.26784	6.23247	5.28	1.93518	0.952468	1.93518
Hrsp12	NM_008287	0.000386	11.0128	9.40337	8.45123	1.93475	0.952146	1.93475
	---	0.001371	7.92686	8.30395	7.35226	1.93414	0.951693	1.93414
Inpp5j	NM_172439	0.002296	6.91431	5.92867	4.97854	1.93205	0.950134	1.93205
	---	0.000468	10.484	11.302	10.3523	1.93148	0.949708	1.93148
Scd4	NM_183216	0.006686	5.16252	5.02946	4.07976	1.93147	0.9497	1.93147
6-Mar	NM_172606	0.000665	9.57355	10.3415	9.39182	1.93145	0.949687	1.93145
Arhgef10l	NM_172415	0.006542	5.19427	7.42267	6.47353	1.93072	0.949137	1.93072
Foxo1	NM_019739	0.002131	7.05285	7.73882	6.78992	1.9304	0.948899	1.9304

Rqcd1	NM_021383	0.003921	5.984	8.54903	7.60018	1.93034	0.948853	1.93034
Mcrs1	NM_016766	3.04E-05	20.9899	8.33585	7.38828	1.92862	0.947567	1.92862
Agfg1	NM_010472	2.53E-05	21.9823	10.9671	10.0208	1.92702	0.946369	1.92702
Cnnm2	NM_033569	0.006941	5.10851	8.08083	7.13489	1.92645	0.945947	1.92645
Cd2ap	NM_009847	0.005999	5.3216	9.32632	8.38464	1.92077	0.941682	1.92077
Adam8	NM_007403	0.000561	10.0042	6.48785	5.54644	1.9204	0.941407	1.9204
Anubl1	NM_001081317	0.001063	8.47357	5.59635	4.65507	1.92022	0.941273	1.92022
Smc5	NM_153808	0.000435	10.6848	9.98299	9.04296	1.91857	0.940031	1.91857
Tapbpl	NM_145391	0.001714	7.47283	7.53775	6.59887	1.91704	0.938883	1.91704
Pigy	NM_025574	0.000395	10.9494	7.17215	6.23457	1.91531	0.937578	1.91531
Zfp235	NM_019941	0.005827	5.36482	6.62375	5.68632	1.91512	0.937434	1.91512
Tns3	NM_001083587	0.001364	7.938	8.9794	8.04213	1.91491	0.937275	1.91491
	---	0.004024	5.94168	5.28196	4.3451	1.91435	0.936857	1.91435
Nck2	NM_010879	0.000786	9.16756	8.41079	7.4754	1.91241	0.935393	1.91241
Pon2	NM_183308	0.005645	5.41249	8.63152	7.69718	1.91102	0.934344	1.91102
D330041H03Rik	NR_033554	0.00335	6.24568	5.88509	4.95152	1.91	0.933576	1.91
Hn1l	NM_198937	0.006032	5.31344	8.86733	7.93503	1.90832	0.932305	1.90832
Mapk8ip3	NM_013931	0.000226	12.6363	8.6633	7.73133	1.90787	0.931966	1.90787
Extl1	NM_019578	0.002862	6.51691	5.98887	5.05806	1.90634	0.930806	1.90634
Slurp1	NM_020519	0.004427	5.78827	6.0627	5.13279	1.90515	0.929908	1.90515
Ift140	NM_134126	0.00121	8.19096	7.572	6.6437	1.90303	0.928296	1.90303
Gm3258	NM_011509	0.005826	5.36511	9.1971	8.26928	1.9024	0.927817	1.9024
Wbp1	NM_016757	0.001831	7.3438	9.57942	8.65179	1.90215	0.927634	1.90215
Immt	NM_029673	0.00029	11.8575	9.89333	8.96612	1.9016	0.927213	1.9016
	---	0.003454	6.19421	9.92042	8.99354	1.90117	0.926886	1.90117
Brp16	NM_021555	0.002232	6.96644	7.62639	6.70142	1.89865	0.924974	1.89865
Zc3h3	NM_172121	0.000159	13.8287	7.22746	6.30326	1.89763	0.924201	1.89763
Prg2	NM_008920	0.000456	10.5552	5.05797	4.13389	1.89748	0.924082	1.89748
Brms1	NM_134155	5.37E-05	18.1935	7.65634	6.73404	1.89513	0.922298	1.89513
Kirrel	NM_001170985	0.004059	5.92743	9.25476	8.33277	1.89473	0.92199	1.89473
Mcts2	NM_025543	0.004695	5.69558	8.3299	7.4085	1.89395	0.921397	1.89395

Dusp3	NM_028207	0.001744	7.43935	7.79846	6.87736	1.89356	0.9211	1.89356
Lzts2	NM_145503	0.001427	7.84355	8.52193	7.60127	1.89298	0.920663	1.89298
2410042D21Rik	BC080661	0.003151	6.34987	8.58062	7.6603	1.89253	0.920314	1.89253
Zcchc10	NM_026479	0.001547	7.67839	5.28485	4.36482	1.89215	0.92003	1.89215
	---	0.004413	5.79338	6.95498	6.03522	1.8918	0.919761	1.8918
	---	0.000836	9.02276	11.5853	10.6657	1.89164	0.919639	1.89164
	---	0.006892	5.11884	6.68237	5.76319	1.89105	0.919188	1.89105
1110012J17Rik	NM_001114098	0.004548	5.74575	6.42602	5.50683	1.89105	0.919186	1.89105
Pkd1	NM_013630	1.28E-05	26.097	8.38814	7.46969	1.89008	0.918445	1.89008
Ampd3	NM_009667	0.000789	9.15853	6.76157	5.8434	1.88971	0.918167	1.88971
Vps25	NM_026776	0.001619	7.58632	9.74397	8.82631	1.88906	0.917667	1.88906
Gm14391	NM_001099308	0.001375	7.92082	11.1748	10.2573	1.88877	0.91745	1.88877
Gm14391	NM_001099308	0.001375	7.92082	11.1748	10.2573	1.88877	0.91745	1.88877
Gas2l1	NM_144560	0.000425	10.7483	7.39596	6.47924	1.88781	0.916716	1.88781
Tbp	NM_013684	0.000786	9.16774	8.28531	7.3688	1.88755	0.916512	1.88755
Cnot1	NM_153164	0.001231	8.15358	9.3583	8.44208	1.88717	0.916222	1.88717
Tubgcp6	NM_001163319	0.00027	12.0715	7.43845	6.52369	1.88525	0.914758	1.88525
	---	0.006485	5.20695	9.52216	8.60755	1.88506	0.914608	1.88506
	---	0.000323	11.5349	10.2808	9.36656	1.88455	0.914217	1.88455
Dnmt3a	NM_007872	0.000747	9.28815	7.08286	6.16891	1.88419	0.913943	1.88419
Ppp1r16a	NM_033371	0.000452	10.5786	7.6459	6.73219	1.88388	0.913706	1.88388
Ankrd28	NM_001024604	0.004404	5.79645	9.83813	8.92479	1.88341	0.913348	1.88341
Mfsd7b	NM_001081259	0.003285	6.27884	7.78271	6.86973	1.88293	0.912977	1.88293
Plxnb2	NM_138749	5.82E-05	17.8244	10.5853	9.6724	1.88277	0.912855	1.88277
	ENSMUST0000008754							
Gm10209	4	4.27E-05	19.2744	5.88221	4.96983	1.88215	0.912381	1.88215
Gm10825	NR_028580	0.004831	5.65085	6.61781	5.70574	1.88175	0.912072	1.88175
Hdgf	NM_008231	0.001958	7.21359	9.77111	8.85974	1.88082	0.911362	1.88082
Pitpna	NM_008850	0.000455	10.559	10.8076	9.89751	1.87921	0.910124	1.87921
Chuk	NM_007700	0.000881	8.90056	8.90099	7.99139	1.87853	0.909603	1.87853
Tbl1xr1	NM_030732	0.000367	11.158	9.05589	8.14641	1.87836	0.909475	1.87836

Mrpl18	NM_026310	0.001329	7.99154	9.76428	8.85528	1.87774	0.908994	1.87774
Arf2	NM_007477	0.000234	12.5175	9.13218	8.2234	1.87745	0.908775	1.87745
Zmiz2	NM_028601	0.000221	12.7063	7.5371	6.62844	1.87731	0.908666	1.87731
Chd7	NM_001081417	0.001684	7.50756	7.27923	6.37136	1.87627	0.907871	1.87627
Immp1l	NM_028260	0.001645	7.55434	8.44736	7.53968	1.87603	0.907683	1.87603
Slc9a5	NM_001081332	0.001158	8.28686	6.31609	5.40863	1.87574	0.907458	1.87574
Pola2	NM_008893	0.003169	6.34042	7.65584	6.74865	1.87539	0.907188	1.87539
Tapbp	NM_001025313	0.000103	15.432	10.8392	9.93209	1.87533	0.907145	1.87533
Esf1	NM_001081090	0.002506	6.75408	8.68497	7.77794	1.87518	0.907032	1.87518
Hdac5	NM_001077696	0.000267	12.1058	9.01618	8.10948	1.87475	0.906697	1.87475
	---	0.004163	5.8867	9.86044	8.95401	1.87441	0.906438	1.87441
Gtf2i	NM_001080746	0.003516	6.16411	10.166	9.26106	1.87241	0.904898	1.87241
Kcnn1	NM_032397	0.000753	9.27176	6.61753	5.71281	1.87219	0.904728	1.87219
Zfp955a	NM_029952	0.004857	5.64258	8.43608	7.53179	1.87163	0.904296	1.87163
Gm6924	NM_001177567	0.000731	9.34207	4.96303	4.05887	1.87146	0.904166	1.87146
Rfc4	NM_145480	0.005966	5.32993	7.27134	6.36719	1.87144	0.904152	1.87144
Cgn	NM_001037711	0.004919	5.62279	6.19989	5.29706	1.86973	0.902833	1.86973
Chd7	NM_001081417	0.000991	8.63081	5.67269	4.77021	1.86928	0.902479	1.86928
Gm4302	NM_001166634	0.003836	6.01979	5.61427	4.71287	1.86788	0.901403	1.86788
Cyp2u1	NM_027816	0.001769	7.41127	6.09717	5.19662	1.86679	0.900556	1.86679
Ppp1r14b	NM_008889	5.96E-05	17.7195	10.0048	9.10486	1.86599	0.899942	1.86599
Xpo1	NM_134014	0.001309	8.02344	9.87075	8.972	1.86445	0.898752	1.86445
Fam111a	BC038020	0.005924	5.34043	8.07642	7.179	1.86273	0.897422	1.86273
Rnf114	NM_030743	0.000602	9.82217	9.50887	8.613	1.86074	0.895877	1.86074
Syne2	NM_001005510	0.001273	8.08247	5.90373	5.00881	1.8595	0.894916	1.8595
Gm12185	NM_001045540	0.001485	7.76112	4.11303	3.21913	1.8582	0.893903	1.8582
Klc4	NM_029091	0.001184	8.23746	7.0834	6.19053	1.85688	0.892877	1.85688
Vps37b	NM_177876	0.002453	6.79255	6.82641	5.93367	1.8567	0.892737	1.8567
Nup88	NM_172394	0.000567	9.97845	9.0112	8.11878	1.85628	0.892415	1.85628
Hps3	NM_080634	0.001176	8.2536	7.7607	6.8686	1.85587	0.892099	1.85587
Nr1h4	NM_001163700	0.002967	6.45382	5.02915	4.13734	1.8555	0.891809	1.8555

Mreg	NM_001005423	0.002219	6.9773	6.35132	5.45992	1.85497	0.8914	1.85497
Mrpl1	NM_053158	0.005801	5.37151	7.8861	6.99496	1.85464	0.891141	1.85464
	8-Sep NM_033144	0.005554	5.43699	8.41128	7.52015	1.85463	0.89113	1.85463
H1f0	NM_008197	0.002163	7.0253	10.6524	9.76166	1.85406	0.890689	1.85406
Men1	NM_008583	0.000814	9.08442	8.91954	8.02938	1.85339	0.890164	1.85339
Gfm1	NM_138591	0.001166	8.27034	8.87836	7.98825	1.85332	0.890111	1.85332
Grwd1	NM_153419	0.002648	6.65451	7.78224	6.89236	1.85302	0.889881	1.85302
Kcnab2	NM_010598	0.004337	5.82111	6.31504	5.42534	1.85279	0.889702	1.85279
Rpap1	NM_177294	2.43E-06	39.5947	6.94757	6.0581	1.85249	0.889467	1.85249
Vac14	NM_146216	0.000825	9.05321	8.46246	7.57352	1.85182	0.88894	1.85182
	---	0.005558	5.4359	8.16713	7.27826	1.85172	0.888863	1.85172
	---	0.000409	10.8538	9.16334	8.27491	1.85116	0.888432	1.85116
Fhod1	NM_177699	2.69E-05	21.6621	7.33791	6.44995	1.85056	0.887961	1.85056
Vsig10	NM_001033311	0.005573	5.43188	6.30006	5.41222	1.85041	0.887845	1.85041
Tlk2	NM_001112705	0.006988	5.09896	7.87698	6.98917	1.85037	0.887813	1.85037
Dclre1a	NM_018831	0.001719	7.46784	8.01054	7.12307	1.84993	0.887469	1.84993
Mettl2	NM_172567	0.00204	7.13554	8.82795	7.94071	1.84964	0.887244	1.84964
Nbeal2	NM_183276	0.001675	7.51898	6.32429	5.43714	1.84952	0.88715	1.84952
Itgb3	NM_016780	0.003918	5.98529	8.24455	7.3578	1.84901	0.886756	1.84901
Cyth2	NM_011181	0.00028	11.9618	8.65953	7.77285	1.84892	0.886685	1.84892
Rest	NM_011263	0.001494	7.74906	8.62308	7.73662	1.84864	0.886463	1.84864
	---	0.000551	10.0528	9.30995	8.42369	1.84837	0.886257	1.84837
Znhit3	NM_001005223	1.30E-05	26.0019	7.24174	6.35628	1.84736	0.885462	1.84736
	---	0.006997	5.09711	10.4908	9.60558	1.84701	0.88519	1.84701
Scrib	NM_134089	0.000102	15.4489	7.96616	7.08099	1.84698	0.88517	1.84698
Cecr5	NM_144815	0.000402	10.9005	7.72781	6.84414	1.84506	0.883668	1.84506
Ssx2ip	NM_138744	0.000284	11.917	7.39817	6.51554	1.84373	0.882628	1.84373
A130049A11Rik	NR_030676	0.002531	6.73622	3.77103	2.8885	1.8436	0.882525	1.8436
Epb4.111	NM_013510	0.000975	8.66775	8.55778	7.67588	1.8428	0.881901	1.8428
Kctd10	NM_001159941	0.000366	11.1698	9.7427	8.86158	1.84181	0.881122	1.84181
Tnrc6b	NM_144812	8.72E-05	16.0933	8.64349	7.76337	1.84054	0.880126	1.84054

Spg11	NM_145531	0.002866	6.51481	7.34522	6.46524	1.84035	0.879981	1.84035
Hsf1	NM_008296	0.000241	12.4257	8.99115	8.11124	1.84027	0.879915	1.84027
Ppp1r14b	NM_008889	0.000135	14.3991	10.021	9.14119	1.84013	0.879809	1.84013
	---	8.02E-05	16.4369	11.8934	11.0144	1.83913	0.879021	1.83913
Apbb2	NM_009686	0.001529	7.70151	9.10344	8.22549	1.83777	0.877955	1.83777
Zfp608	NM_175751	0.003353	6.24409	7.65092	6.77332	1.83731	0.877592	1.83731
	---	0.000217	12.7636	10.8294	9.95199	1.83709	0.877421	1.83709
Tcf20	NM_001114140	0.001213	8.18562	9.16451	8.28709	1.83709	0.87742	1.83709
BC049349	NM_001164581	0.002213	6.98251	5.52309	4.64654	1.83598	0.876551	1.83598
Naa40	NM_027643	0.004605	5.72582	7.42967	6.55315	1.83595	0.876527	1.83595
Tspo	NM_009775	0.001818	7.35717	11.1722	10.2961	1.83547	0.876148	1.83547
Bcl2l13	NM_153516	0.003271	6.28592	8.2696	7.39383	1.83498	0.875768	1.83498
Nf2	NM_010898	0.000482	10.4047	8.33808	7.4624	1.83488	0.875686	1.83488
Ccdc91	NM_025911	0.001921	7.25074	8.57213	7.69688	1.83433	0.875256	1.83433
Tsc2	NM_011647	0.002115	7.06722	8.59517	7.72071	1.83333	0.874467	1.83333
Nfya	NM_001110832	9.35E-05	15.809	8.72194	7.84778	1.83294	0.874158	1.83294
Prpf8	NM_138659	0.000173	13.5302	10.5684	9.69455	1.83259	0.873884	1.83259
Myg1	NM_021713	5.74E-05	17.8917	8.16958	7.2962	1.83195	0.873377	1.83195
Senp1	NM_144851	0.000397	10.9336	7.99304	7.11967	1.83194	0.873371	1.83194
Tmbim1	NM_027154	9.67E-05	15.6771	10.5717	9.69848	1.83173	0.873207	1.83173
Slc9a2	NM_001033289	0.002062	7.11542	5.10676	4.23423	1.83087	0.87253	1.83087
	---	0.001467	7.78736	10.0055	9.13341	1.83026	0.872048	1.83026
5930434B04Rik	BC027257	0.005206	5.53542	5.89047	5.01884	1.82973	0.871628	1.82973
	---	0.003417	6.21206	9.29365	8.423	1.82849	0.87065	1.82849
Wbscr17	NM_145218	0.002503	6.75603	7.04942	6.17907	1.82811	0.87035	1.82811
Dennd5b	NM_177192	0.004494	5.76435	6.6566	5.78682	1.82738	0.869777	1.82738
Eif3m	NM_145380	0.005042	5.58454	8.74899	7.87927	1.82731	0.869721	1.82731
Eepd1	NM_026189	0.002622	6.67241	6.1762	5.30767	1.8258	0.868529	1.8258
	---	0.005326	5.5005	4.40053	3.53203	1.82577	0.868504	1.82577
Ece1	NM_199307	0.000593	9.86021	8.32718	7.45921	1.82508	0.867963	1.82508
	---	0.006621	5.17684	7.53024	6.66317	1.82395	0.867064	1.82395

Wdr47	NM_181400	0.00191	7.26125	7.44858	6.58234	1.82291	0.86624	1.82291
	---	0.000495	10.3316	10.7882	9.92205	1.82286	0.866203	1.82286
Mfge8	NM_008594	0.000269	12.0793	10.8609	9.99525	1.82211	0.865607	1.82211
Ppp2r1a	NM_016891	0.000134	14.4228	10.7685	9.90367	1.82111	0.864819	1.82111
Nub1	NM_016736	0.001075	8.45009	9.29304	8.42832	1.82099	0.86472	1.82099
	---	0.000652	9.62187	10.8565	9.9922	1.82052	0.864352	1.82052
Fam173b	BC030179	0.000935	8.76378	8.01222	7.14794	1.82043	0.86428	1.82043
Cdc27	NM_145436	0.000184	13.3128	9.64737	8.78312	1.82039	0.864245	1.82039
Abca3	NM_013855	0.001434	7.83336	7.75287	6.88897	1.81995	0.863901	1.81995
Slc25a30	NM_026232	0.001725	7.46079	8.6836	7.81992	1.81967	0.863681	1.81967
Cox15	NM_144874	0.005211	5.53409	7.93134	7.06797	1.81928	0.863366	1.81928
Vps13b	NM_177151	0.004864	5.64027	7.9075	7.04422	1.81918	0.863287	1.81918
Mus81	NM_027877	0.001148	8.30542	7.85638	6.99325	1.81897	0.863125	1.81897
Irak2	NM_172161	0.004425	5.78909	6.48586	5.62414	1.8172	0.86172	1.8172
Thoc5	NM_172438	0.00108	8.43921	8.89482	8.03316	1.81712	0.861656	1.81712
Grn	NM_008175	0.00014	14.268	11.5585	10.6973	1.81659	0.861229	1.81659
2310003L22Rik	NM_027093	0.002414	6.82211	5.56887	4.70764	1.81658	0.861228	1.81658
Prpf31	NM_027328	0.002966	6.45472	8.74631	7.88558	1.81597	0.860738	1.81597
Nr2f2	NM_009697	0.003048	6.40758	9.37533	8.51552	1.8148	0.859811	1.8148
	---	0.006717	5.15597	8.65332	7.79351	1.8148	0.859808	1.8148
Pafah1b1	NM_013625	2.87E-05	21.3043	9.59856	8.73884	1.81468	0.859715	1.81468
Laptm4b	NM_033521	0.000143	14.1916	10.7565	9.89717	1.81418	0.859317	1.81418
Fez2	NM_199448	0.000909	8.82819	8.29783	7.4401	1.81219	0.857735	1.81219
Ikzf2	NM_011770	0.003773	6.04716	6.5384	5.68116	1.81157	0.857238	1.81157
Ube3b	NM_054093	0.004028	5.94015	8.02868	7.17207	1.81078	0.856611	1.81078
Rfc1	NM_011258	0.001721	7.46554	8.595	7.7385	1.81065	0.856504	1.81065
Prdm16	NM_027504	0.006234	5.26474	6.1206	5.26418	1.81053	0.856412	1.81053
Gm4371	NR_028311	0.004631	5.71712	4.44324	3.58714	1.81013	0.856096	1.81013
	---	0.00197	7.2021	8.04276	7.18693	1.8098	0.855833	1.8098
	---	0.002966	6.45471	7.1324	6.2768	1.80951	0.855598	1.80951
Eftud2	NM_011431	0.000133	14.4718	9.25599	8.40058	1.80926	0.855402	1.80926

Pign	NM_013784	0.000652	9.62499	9.55295	8.69768	1.80909	0.855262	1.80909
Pigt	NM_133779	6.66E-05	17.2293	9.69534	8.84049	1.80857	0.854853	1.80857
Ttc1	NM_133795	0.000115	14.9897	8.12833	7.27426	1.80759	0.85407	1.80759
Aup1	NM_007517	8.25E-05	16.3227	10.4876	9.63366	1.80747	0.853969	1.80747
Man2b2	NM_008550	0.001344	7.96863	8.29645	7.444	1.80556	0.85245	1.80556
Kpna4	NM_008467	0.004491	5.76547	8.06196	7.21003	1.80492	0.851932	1.80492
Supt4h1	NM_009296	0.000379	11.0656	10.3407	9.48878	1.80485	0.851883	1.80485
Cyb5r3	NM_029787	0.000376	11.093	11.7975	10.9459	1.80451	0.851606	1.80451
Pex13	NM_023651	0.000105	15.3379	8.60902	7.75771	1.80414	0.851307	1.80414
Dnmbp	NM_028029	0.006712	5.15705	7.88563	7.03459	1.80379	0.851034	1.80379
Ndufs1	NM_001160038	0.000117	14.9353	10.0522	9.2012	1.80371	0.85097	1.80371
Naa15	NM_053089	0.005025	5.58978	9.18356	8.3329	1.80333	0.85066	1.80333
Cdk5rap1	NM_025876	0.001185	8.23602	6.61253	5.76307	1.80182	0.849457	1.80182
Pak4	NM_027470	0.002531	6.73622	7.24061	6.39194	1.80084	0.848674	1.80084
Kalrn	NM_177357	0.003716	6.07212	6.99908	6.15122	1.79983	0.847861	1.79983
Erlin1	NM_145502	0.000392	10.971	8.24428	7.39655	1.79966	0.847727	1.79966
Nbr1	NM_008676	0.003168	6.34061	10.5003	9.65275	1.79941	0.847527	1.79941
Snx27	NM_029721	0.005746	5.38582	8.2734	7.42604	1.7992	0.847354	1.7992
Wfs1	NM_011716	0.004774	5.66952	7.50974	6.66325	1.79813	0.846497	1.79813
Chchd7	NM_181391	0.000225	12.6465	8.44802	7.60191	1.79765	0.846111	1.79765
Nol4	NM_199024	0.001641	7.5599	5.68669	4.84202	1.79586	0.844671	1.79586
Mphosph9	NM_001081323	0.000895	8.86202	6.20667	5.36203	1.79582	0.844646	1.79582
U05342	NR_024093	0.000641	9.66491	7.69215	6.84786	1.79539	0.844294	1.79539
Tnfaip1	NM_009395	0.001543	7.68345	8.59245	7.74838	1.7951	0.844063	1.7951
Ap4b1	NM_026193	5.32E-06	32.5394	8.56487	7.72088	1.79501	0.843988	1.79501
Cstf2t	NM_031249	0.006492	5.20549	8.24152	7.39777	1.79471	0.843749	1.79471
Plrg1	NM_016784	3.19E-05	20.7413	10.6087	9.76534	1.79426	0.843386	1.79426
9130023H24Rik	NM_177001	0.000476	10.439	7.89196	7.04876	1.79402	0.8432	1.79402
Zfat	NM_001145888	0.002989	6.44119	5.92906	5.08698	1.79263	0.842081	1.79263
Nsf	NM_008740	0.000255	12.2533	9.09063	8.24899	1.79209	0.841641	1.79209
---		0.000298	11.7727	11.1651	10.3236	1.79193	0.841513	1.79193

	---	0.006162	5.28207	11.1654	10.3244	1.79134	0.841041	1.79134
E430025E21Rik	NM_153548	0.000145	14.1382	10.4164	9.57544	1.7912	0.840924	1.7912
Nf1	NM_010897	0.005395	5.48091	8.76262	7.92254	1.79016	0.840087	1.79016
Efcab2	NM_026626	0.000977	8.66387	4.66088	3.82148	1.78931	0.839403	1.78931
Katnb1	NM_028805	0.000665	9.57561	7.93611	7.09704	1.7889	0.839076	1.7889
	---	0.00614	5.28716	6.98416	6.1459	1.78789	0.838256	1.78789
Tagap1	NM_147155	0.003244	6.3004	7.98839	7.15014	1.78787	0.838245	1.78787
	ENSMUST0000006707							
Gm9938	7	0.000514	10.2329	8.06874	7.23061	1.78773	0.838125	1.78773
Mapk11	NM_011161	0.004172	5.88321	6.67534	5.83723	1.78771	0.838109	1.78771
Pef1	NM_026441	0.000522	10.1922	8.94328	8.10589	1.78683	0.837399	1.78683
Chd7	NM_001081417	0.000439	10.6572	5.29903	4.4618	1.78662	0.837232	1.78662
Nup205	NM_027513	0.002371	6.85463	9.005	8.16991	1.78397	0.835089	1.78397
Ogfr	NM_031373	0.000272	12.0515	9.24436	8.4093	1.78394	0.835066	1.78394
Tcp1	NM_013686	0.001539	7.68896	11.148	10.3144	1.78212	0.833594	1.78212
Magi1	NM_001029850	0.000666	9.57062	7.35871	6.52516	1.78206	0.833546	1.78206
Pacsin2	NM_011862	0.001883	7.28949	9.56684	8.73331	1.78203	0.833522	1.78203
Usp32	NM_001029934	0.002964	6.45613	9.44991	8.61747	1.78069	0.83244	1.78069
Fxr1	NM_001113188	0.003478	6.18248	10.2617	9.42938	1.7805	0.832284	1.7805
Trim8	NM_053100	0.000106	15.3248	7.99599	7.16418	1.77992	0.831816	1.77992
Tbcd	NM_029878	0.000539	10.1073	9.17136	8.34068	1.77852	0.83068	1.77852
Acot8	NM_133240	0.003921	5.98404	6.78243	5.95187	1.77838	0.830562	1.77838
Vezt	NM_172538	0.001829	7.34549	7.53566	6.70576	1.77757	0.829903	1.77757
	---	3.39E-05	20.4256	8.93399	8.10444	1.77713	0.829547	1.77713
Rhbdl3	NM_139228	0.003304	6.26932	6.76365	5.93413	1.7771	0.829522	1.7771
Prkaa1	NM_001013367	0.000283	11.9249	10.462	9.63303	1.77646	0.829003	1.77646
Cog4	NM_133973	0.003096	6.38016	9.10219	8.27319	1.77645	0.829	1.77645
Stard3	NM_021547	0.003035	6.41486	8.71061	7.88192	1.77607	0.828687	1.77607
Rsf1	NM_001081267	0.000285	11.9082	8.6498	7.82122	1.77593	0.828577	1.77593
Eif2s3x	NM_012010	0.002059	7.11796	10.8574	10.0289	1.77586	0.828522	1.77586
Dusp27	NM_001033344	0.001443	7.82048	4.66372	3.83576	1.77517	0.827959	1.77517

Ap4e1	NM_175550	0.005592	5.42678	7.17514	6.3473	1.77504	0.827848	1.77504
Rfx7	NM_001033536	0.005377	5.48622	6.63149	5.80367	1.77501	0.82783	1.77501
	---	0.003928	5.98105	7.64626	6.81847	1.77497	0.827795	1.77497
Traf7	NM_001172113	0.00011	15.165	9.37258	8.54526	1.77438	0.827317	1.77438
Gm14403	NR_036450	0.002389	6.84127	9.48108	8.65409	1.77398	0.82699	1.77398
Mprlp	NM_012027	0.001559	7.66321	9.62665	8.80018	1.77334	0.826468	1.77334
Myl6b	NM_172259	0.002545	6.72586	5.50951	4.68345	1.77284	0.826063	1.77284
Gins3	NM_030198	0.000682	9.51343	6.79228	5.96683	1.77209	0.82545	1.77209
	---	0.001279	8.07256	7.58228	6.75691	1.772	0.825377	1.772
Slc45a3	NM_145977	0.000373	11.1104	6.36531	5.54014	1.77174	0.825163	1.77174
Mrpl18	NM_026310	0.001043	8.51598	7.87153	7.04646	1.77162	0.825066	1.77162
Rptor	NM_028898	0.000274	12.0268	7.88917	7.06423	1.77147	0.824944	1.77147
Krt80	NM_028770	0.001246	8.12907	6.18546	5.36089	1.77101	0.82457	1.77101
	---	0.001048	8.50578	10.3023	9.47833	1.77033	0.824016	1.77033
Card10	NM_130859	0.006674	5.16512	6.6876	5.86372	1.77017	0.823888	1.77017
Pik3r2	NM_008841	0.006179	5.2779	8.55585	7.73217	1.76991	0.823677	1.76991
Arhgef17	NM_001081116	0.000777	9.19654	8.39903	7.57601	1.76911	0.823021	1.76911
Dhx38	NM_178380	1.77E-05	24.0507	7.77787	6.95505	1.76886	0.822823	1.76886
Dnajb4	NM_025926	0.001225	8.16547	10.0092	9.18645	1.76872	0.822704	1.76872
	---	0.002976	6.449	8.54646	7.72416	1.76822	0.822299	1.76822
Dgke	NM_019505	0.003886	5.99873	6.14808	5.32601	1.76794	0.82207	1.76794
Foxf1a	NM_010426	0.001752	7.43021	8.44804	7.62626	1.76758	0.821774	1.76758
Myo1c	NM_008659	0.000615	9.76989	9.65808	8.83652	1.76732	0.821567	1.76732
Dhx8	NM_144831	0.000749	9.2834	8.34238	7.52201	1.76586	0.820369	1.76586
Gpn1	NM_133756	0.00456	5.74145	6.77107	5.95131	1.76511	0.819759	1.76511
Bcl2l1	NM_009743	0.001301	8.03678	7.99759	7.1779	1.76502	0.819687	1.76502
Ccdc134	NM_172428	0.00407	5.9233	7.52553	6.70595	1.76489	0.819575	1.76489
Tinf2	NM_145705	0.003166	6.34195	7.14612	6.32659	1.76483	0.819528	1.76483
Zbtb46	NM_028125	0.003817	6.02806	6.87581	6.05643	1.76466	0.819386	1.76466
Eif4b	NM_145625	0.002962	6.45709	10.7878	9.96964	1.76318	0.818179	1.76318
Helq	NM_001081107	0.000439	10.6598	6.8854	6.0674	1.76296	0.817997	1.76296

	---	0.000312	11.6296	10.2268	9.40882	1.76293	0.817972	1.76293
Kat2a	NM_020004	0.001832	7.34185	7.96713	7.14935	1.76269	0.817778	1.76269
Efr3a	NM_133766	0.000921	8.79642	10.4383	9.6209	1.76218	0.81736	1.76218
Atpaf1	NM_181040	0.006836	5.13058	6.82473	6.00779	1.76166	0.816937	1.76166
	---	0.00244	6.8026	10.1808	9.36401	1.7615	0.816806	1.7615
Zxdc	NM_173002	0.006358	5.23593	7.86198	7.04575	1.76079	0.816224	1.76079
Lyz1	NM_013590	0.003	6.43462	4.83802	4.02198	1.76057	0.816047	1.76057
Accn2	NM_009597	0.001975	7.19719	5.83815	5.02277	1.75976	0.815377	1.75976
Capza2	NM_007604	1.74E-05	24.1503	11.0831	10.2688	1.7584	0.814265	1.7584
8430419L09Rik	NM_028982	0.002903	6.49201	7.11967	6.30665	1.75688	0.813017	1.75688
Hexdc	NM_001146073	0.005998	5.32188	6.46478	5.6518	1.75684	0.812979	1.75684
	---	0.005412	5.4763	6.79304	5.98009	1.7568	0.812951	1.7568
Ano8	NM_001164679	0.00302	6.42313	7.96755	7.15539	1.75584	0.812164	1.75584
1810037117Rik	NM_024461	0.000534	10.1308	10.7548	9.94272	1.7558	0.812128	1.7558
Lman2l	NM_001013374	0.001325	7.99781	8.85472	8.04318	1.75508	0.811533	1.75508
Pex1	NM_027777	0.001212	8.18696	7.25446	6.44328	1.75465	0.811185	1.75465
Etv3	NM_001083318	0.000226	12.6344	8.14841	7.33736	1.75449	0.81105	1.75449
Ahcyl2	NM_021414	0.000998	8.61421	9.09902	8.28871	1.75359	0.810309	1.75359
1110014N23Rik	NM_001081041	0.000476	10.4357	8.20746	7.39723	1.75348	0.810225	1.75348
Arrb1	NM_177231	0.00098	8.65477	6.85124	6.04141	1.753	0.809822	1.753
Gm14403	NR_036450	0.003856	6.01135	6.82991	6.02067	1.7523	0.809246	1.7523
Gm14288	NM_001033123	0.003856	6.01135	6.82991	6.02067	1.7523	0.809246	1.7523
Lpin2	NM_001164885	0.001147	8.30642	8.01734	7.20871	1.75154	0.808626	1.75154
Inpp5k	NM_008916	0.001742	7.44087	9.23007	8.42193	1.75096	0.808143	1.75096
Mrps26	NM_207207	0.00208	7.09897	8.45181	7.64381	1.75077	0.807992	1.75077
Fam190a	NM_183310	0.001852	7.32096	5.43687	4.62891	1.75073	0.807955	1.75073
Snord104	NR_030703	0.004877	5.63633	9.11389	8.30601	1.75065	0.807887	1.75065
Fam178a	BC060679	0.006444	5.21636	8.67102	7.86361	1.75007	0.807414	1.75007
2210009G21Rik	NM_001038641	0.003276	6.28341	6.35095	5.54356	1.75004	0.80739	1.75004
Vsig10	NM_001033311	3.56E-05	20.1786	6.35364	5.54649	1.74975	0.80715	1.74975
Zfyve27	NM_177319	0.000198	13.0642	8.23724	7.43106	1.74857	0.806178	1.74857

Ddx56	NM_026538	0.001062	8.4768	8.86081	8.05463	1.74857	0.806175	1.74857
Sorbs3	NM_011366	1.87E-05	23.7442	7.44888	6.64422	1.74673	0.80466	1.74673
	---	0.000609	9.79591	5.38618	4.58206	1.74608	0.80412	1.74608
Polr2b	NM_153798	0.000207	12.9179	10.3616	9.55756	1.74602	0.804072	1.74602
Slc25a35	NM_028048	0.00205	7.12634	5.40034	4.59639	1.74588	0.803952	1.74588
	---	0.002757	6.58299	9.29402	8.49012	1.74581	0.8039	1.74581
Atg2a	NM_194348	0.000235	12.502	7.79693	6.99324	1.74556	0.803686	1.74556
Mynn	NM_030557	0.006169	5.28035	7.96459	7.16119	1.74521	0.803399	1.74521
Ubxn8	NM_178648	0.004166	5.88559	7.4006	6.59731	1.74508	0.803289	1.74508
Pold2	NM_008894	0.004913	5.62466	8.09179	7.28864	1.7449	0.803146	1.7449
Btrc	NM_001037758	1.69E-05	24.3565	8.54643	7.74374	1.74434	0.802682	1.74434
Mms19	NM_028152	0.000293	11.8243	8.597	7.79458	1.74402	0.802419	1.74402
Tpi1	NM_009415	0.000523	10.1889	12.0689	11.2669	1.74352	0.802004	1.74352
Nfat5	NM_133957	0.003454	6.19398	9.04683	8.24511	1.74318	0.801722	1.74318
Nav2	NM_175272	0.000139	14.287	6.0419	5.24041	1.7429	0.801489	1.7429
Gm1943	NR_002928	0.002839	6.53103	9.53242	8.73122	1.74255	0.801197	1.74255
Fam160a2	NM_199009	0.000308	11.6678	7.73338	6.93226	1.74245	0.801121	1.74245
Rab3gap1	NM_178690	0.000184	13.3044	9.10387	8.30328	1.74181	0.800587	1.74181
Pdik1l	NM_146156	0.000174	13.5129	6.79518	5.99477	1.7416	0.800412	1.7416
2310016M24Rik	NM_183256	0.000728	9.35187	8.64418	7.84507	1.74002	0.799104	1.74002
Dhh	NM_007857	0.000271	12.0608	5.63497	4.83592	1.73996	0.79905	1.73996
Comt1	NM_001111062	0.000757	9.257	9.04869	8.2498	1.73976	0.798887	1.73976
Snrnp200	NM_177214	0.000195	13.1126	9.75365	8.95492	1.73957	0.798728	1.73957
Tmx2	NM_025868	0.002326	6.89015	9.91502	9.11672	1.73905	0.798302	1.73905
Lin7c	NM_011699	0.001398	7.88676	9.62258	8.82449	1.7388	0.798091	1.7388
Alg10b	NM_001033441	0.000428	10.7261	9.83836	9.04041	1.73862	0.797944	1.73862
	---	0.0034	6.22043	7.75628	6.95928	1.73748	0.796995	1.73748
Dnajc10	NM_024181	0.003217	6.31436	10.4035	9.6066	1.73733	0.796872	1.73733
Clcn6	NM_011929	0.000488	10.3733	7.56889	6.77211	1.73722	0.796783	1.73722
Ndr3	NM_180956	0.001435	7.83211	9.29241	8.4958	1.73701	0.796602	1.73701
Prkcdpb	NM_028444	0.000184	13.3059	10.3677	9.5712	1.73686	0.796486	1.73686

Brf2	NM_025686	0.006754	5.1479	6.56509	5.76948	1.7358	0.795604	1.7358
Slc25a33	NM_027460	0.000848	8.98727	5.53307	4.73752	1.73574	0.795551	1.73574
Lrch4	NM_146164	0.006072	5.30362	6.92061	6.12567	1.73501	0.794942	1.73501
Trem2	NM_031254	0.000642	9.66113	6.73366	5.93878	1.73493	0.794878	1.73493
Tmem231	NM_001033321	0.001346	7.96507	8.02477	7.22995	1.73485	0.794815	1.73485
Crnkl1	NM_025820	6.21E-05	17.537	8.42207	7.62827	1.73364	0.793805	1.73364
Ccdc102a	NM_001033533	0.001627	7.57663	7.68101	6.88725	1.73358	0.79375	1.73358
Speg	NM_007463	0.003195	6.32622	6.64253	5.84914	1.73315	0.793393	1.73315
Cep78	NM_198019	0.004619	5.72116	6.67296	5.8798	1.73287	0.79316	1.73287
2310008H09Rik	NM_023197	7.29E-05	16.8397	7.28089	6.48786	1.73271	0.793032	1.73271
Blvra	NM_026678	6.44E-05	17.3736	8.74448	7.95147	1.73268	0.793006	1.73268
Dcaf15	NM_172502	0.000658	9.60147	6.80246	6.01001	1.73201	0.792451	1.73201
Psme4	NM_134013	5.20E-05	18.3376	9.38636	8.59432	1.73152	0.792042	1.73152
Azin1	NM_001102458	0.006561	5.19004	10.2748	9.48327	1.73086	0.79149	1.73086
Srp68	NM_146032	0.000874	8.91721	10.309	9.51803	1.7302	0.790935	1.7302
Poldip3	NM_178627	0.000703	9.43609	10.539	9.7485	1.72968	0.790504	1.72968
Uba3	NM_011666	0.005561	5.43499	10.3545	9.56414	1.72953	0.790377	1.72953
Cyp39a1	NM_018887	0.0003	11.7466	6.77909	5.9888	1.72943	0.790297	1.72943
Zfml	NM_008717	0.005684	5.40205	9.04032	8.25043	1.72895	0.789895	1.72895
Stip1	NM_016737	0.001011	8.586	9.95018	9.16062	1.72855	0.789561	1.72855
Gcdh	NM_008097	0.001337	7.97886	8.15865	7.36921	1.7284	0.789438	1.7284
2310043J07Rik	NM_027158	0.005984	5.32532	5.66321	4.87383	1.72833	0.789381	1.72833
Zc3h6	NM_178404	0.004902	5.62829	6.67482	5.88548	1.72829	0.789343	1.72829
Tmx2	NM_025868	0.001797	7.37988	9.93069	9.14145	1.72816	0.789236	1.72816
Pgam1	NM_023418	0.004852	5.64414	10.6388	9.84966	1.728	0.789107	1.728
Pgam1	NM_023418	0.004852	5.64414	10.6388	9.84966	1.728	0.789107	1.728
Hs3st3a1	NM_178870	0.001895	7.27646	5.74223	4.95346	1.7276	0.788768	1.7276
Immp2l	NM_053122	0.006138	5.28766	5.51916	4.73076	1.72716	0.788398	1.72716
Zfp710	NM_175433	0.002049	7.12732	6.2026	5.41444	1.72688	0.788165	1.72688
Peo1	NM_153796	0.001077	8.44513	8.01346	7.22552	1.72661	0.787939	1.72661
Prpf38b	NM_025845	4.94E-05	18.578	9.48226	8.69527	1.72546	0.786982	1.72546

Cnst	NM_146105	0.000491	10.3541	6.8622	6.07545	1.72518	0.786745	1.72518
Far1	NM_026143	8.64E-05	16.1307	9.44169	8.65509	1.725	0.7866	1.725
Imp4	NM_178601	0.000261	12.1751	8.55741	7.7715	1.72419	0.785915	1.72419
Chd7	NM_001081417	0.001259	8.10585	5.94477	5.15895	1.72407	0.785818	1.72407
	---	0.001926	7.24527	8.82831	8.04258	1.72396	0.785724	1.72396
Fbf1	NM_172571	0.005279	5.51428	7.3249	6.53929	1.72383	0.785617	1.72383
Tmod3	NM_016963	0.002049	7.12732	9.98013	9.19482	1.72346	0.785308	1.72346
Rhot2	NM_145999	0.001251	8.12056	6.97376	6.18994	1.72168	0.783818	1.72168
Fam69a	NM_026062	0.003337	6.25216	9.25368	8.46996	1.72156	0.783718	1.72156
0610007P22Rik	NM_026676	0.001017	8.57312	9.15707	8.37394	1.72086	0.783126	1.72086
Stxbp3a	NM_011504	0.003314	6.2637	9.1129	8.32998	1.72061	0.782916	1.72061
Hs6st1	NM_015818	0.007064	5.08341	8.14101	7.35922	1.71926	0.781789	1.71926
Med13	NM_001080931	0.001397	7.88792	9.55229	8.77092	1.71877	0.781375	1.71877
	ENSMUST0000010141							
Tra2a	7	0.002637	6.66241	8.5504	7.76914	1.71863	0.781262	1.71863
Cog1	NM_013581	0.001704	7.48481	7.88973	7.10865	1.71842	0.78108	1.71842
Dip2b	NM_001159361	0.004881	5.63506	8.2642	7.48354	1.71792	0.780666	1.71792
Zfp207	NM_001130169	0.000546	10.074	9.42922	8.64918	1.71719	0.780046	1.71719
Hus1	NM_008316	0.006149	5.28517	7.00684	6.22742	1.71645	0.779424	1.71645
Gm6194	NR_033512	0.004643	5.71306	6.58364	5.8043	1.71635	0.779342	1.71635
2410089E03Rik	NM_001162906	0.00315	6.3508	7.65749	6.87846	1.71598	0.779031	1.71598
Srsf2ip	NM_028148	0.000543	10.0893	9.54876	8.76978	1.71591	0.778976	1.71591
1810013D10Rik	NM_001145433	0.001315	8.01378	7.07455	6.29581	1.71563	0.778739	1.71563
Otud7b	NM_001025613	0.000251	12.2965	8.07145	7.29281	1.71551	0.77864	1.71551
	---	0.00395	5.97179	9.12879	8.35034	1.71529	0.778454	1.71529
	---	0.003095	6.38063	9.61054	8.83232	1.71502	0.778228	1.71502
	---	0.001574	7.64381	9.04464	8.26688	1.71448	0.777768	1.71448
Ltv1	NM_181470	0.005816	5.36774	7.94617	7.16866	1.71416	0.777501	1.71416
Decr2	NM_011933	0.000548	10.0634	9.51361	8.73687	1.71325	0.776739	1.71325
Puf60	NM_028364	0.000182	13.3442	10.6622	9.8855	1.71322	0.776709	1.71322
Kptn	NM_133727	0.002459	6.78847	6.92125	6.14454	1.71321	0.776705	1.71321

Tspan17	NM_028841	0.000989	8.63428	7.40572	6.62915	1.71305	0.776567	1.71305
Retsat	NM_026159	0.000441	10.6432	7.96577	7.18958	1.71261	0.776197	1.71261
Arhgap23	NM_021493	0.001643	7.55706	8.11408	7.33813	1.71232	0.775953	1.71232
Rhot1	NM_001163354	0.000665	9.57367	8.65754	7.88197	1.71186	0.775564	1.71186
Nucks1	NM_175294	0.003012	6.4279	9.73166	8.95676	1.71107	0.774899	1.71107
Cdipt	NM_026638	0.000603	9.82056	9.60953	8.83475	1.71092	0.774776	1.71092
Atf2	NM_019717	0.000427	10.7366	9.26663	8.49208	1.71066	0.774553	1.71066
Tmem183a	NM_020588	0.000925	8.78809	8.31643	7.54196	1.71057	0.774477	1.71057
Slc25a32	NM_172402	0.00025	12.3174	8.93733	8.16359	1.7097	0.773743	1.7097
Ccdc61	NM_001033314	2.18E-06	40.6698	6.70147	5.92778	1.70964	0.773695	1.70964
Taok1	NM_144825	0.000347	11.3235	9.20717	8.43375	1.70932	0.773419	1.70932
Gm14326	NM_001190302	0.000913	8.81604	9.72564	8.9532	1.70816	0.772439	1.70816
Ywhae	NM_009536	8.02E-05	16.438	10.7908	10.0185	1.70789	0.772213	1.70789
Mrpl9	NM_030116	0.005066	5.57737	8.12807	7.35588	1.70786	0.772188	1.70786
Smarcal1	NM_018817	0.006082	5.30137	8.18712	7.41541	1.7073	0.771718	1.7073
Smyd5	NM_144918	0.005393	5.48156	8.09009	7.31868	1.70693	0.771404	1.70693
Jmjd4	NM_178659	0.000996	8.61828	6.9348	6.16365	1.70662	0.771142	1.70662
	---	0.006773	5.14394	8.04079	7.27094	1.70509	0.76985	1.70509
Wbscr27	NM_024479	0.006151	5.28467	7.1516	6.38275	1.70391	0.768847	1.70391
	---	0.005712	5.39482	10.0611	9.29267	1.7034	0.768413	1.7034
Ktn1	NM_008477	0.000557	10.0236	8.46897	7.70063	1.7033	0.768336	1.7033
Ube2z	NM_172300	6.31E-05	17.4633	9.23053	8.46239	1.70307	0.768139	1.70307
Zbtb7c	NM_145356	0.003702	6.07835	6.72786	5.96012	1.70259	0.767734	1.70259
Zc3h3	NM_172121	2.34E-05	22.4197	7.10811	6.34044	1.70253	0.767677	1.70253
	---	0.003488	6.17763	10.5479	9.78032	1.70244	0.767603	1.70244
1200014J11Rik	NM_025818	0.001078	8.44266	8.75552	7.98796	1.7024	0.767568	1.7024
Rhbdf1	NM_010117	0.001393	7.89338	8.61962	7.85242	1.70196	0.767197	1.70196
Lactb	NM_030717	0.005974	5.32773	6.56581	5.79903	1.70148	0.766789	1.70148
Sucg1	NM_019879	0.003437	6.20236	8.97167	8.20504	1.70129	0.76663	1.70129
Skil	NM_011386	0.003735	6.06387	9.67864	8.91317	1.69992	0.76547	1.69992
1110002N22Rik	NM_183275	0.001565	7.65445	6.20469	5.43926	1.69987	0.765426	1.69987

Tmem116	NM_001161627	0.000487	10.3779	5.28741	4.52204	1.69981	0.765371	1.69981
Camta1	NM_001081557	0.000541	10.0989	4.93717	4.17239	1.69911	0.764782	1.69911
Arhgef19	NM_172520	0.00217	7.019	6.45272	5.68832	1.69866	0.764396	1.69866
Ppp1ca	NM_031868	0.000204	12.9753	10.8599	10.0967	1.69725	0.763201	1.69725
C1rl	NM_181344	0.003128	6.36286	7.50487	6.74182	1.69708	0.763051	1.69708
Ap2a1	NM_007458	0.000455	10.5592	8.85331	8.09045	1.69685	0.762861	1.69685
Rfc3	NM_027009	0.003516	6.16395	7.07809	6.31528	1.69679	0.762809	1.69679
Traf3ip1	NM_028718	0.002785	6.56496	6.92709	6.16444	1.69661	0.762656	1.69661
Arhgef18	NM_133962	0.000714	9.39897	7.71018	6.94772	1.69638	0.762461	1.69638
Ncaph2	NM_001115132	4.38E-05	19.1512	9.0739	8.3116	1.6962	0.762302	1.6962
2310044H10Rik	NM_197991	0.002589	6.69505	9.08735	8.32511	1.69612	0.762237	1.69612
Sars2	NM_023637	0.001062	8.47531	6.545	5.78295	1.6959	0.76205	1.6959
Dgat1	NM_010046	0.005641	5.41364	8.4704	7.70896	1.69519	0.761448	1.69519
Agpat3	NM_053014	0.003133	6.35991	8.18048	7.4191	1.69512	0.761388	1.69512
Smg6	NM_001002764	0.005217	5.53224	8.83533	8.07405	1.69499	0.76128	1.69499
Smarb1	NM_011418	3.02E-05	21.0411	9.79743	9.03688	1.69414	0.760549	1.69414
	---	0.000219	12.7408	11.15	10.3895	1.69409	0.760512	1.69409
Ahsa2	NM_172391	0.001025	8.55582	9.19597	8.43677	1.69255	0.759196	1.69255
Gatsl3	NM_028022	0.003453	6.19449	7.62404	6.86537	1.69193	0.758666	1.69193
Rock2	NM_009072	0.001464	7.7903	9.12793	8.36945	1.69171	0.758486	1.69171
Arhgef2	NM_008487	0.002225	6.97207	9.32022	8.56221	1.69117	0.758019	1.69117
Ddx27	NM_153065	0.001192	8.22355	8.59318	7.83519	1.69113	0.757989	1.69113
Ppp6r1	NM_172894	0.001449	7.81191	8.72893	7.97115	1.69089	0.757783	1.69089
Trmt6	NM_175113	0.002796	6.55845	6.98312	6.2257	1.69046	0.75742	1.69046
Rbm16	NM_134123	0.000679	9.52398	8.74144	7.98424	1.69021	0.757201	1.69021
	---	0.002014	7.1601	10.4459	9.68905	1.68981	0.756859	1.68981
Ing3	NM_023626	0.005482	5.45688	7.63256	6.87583	1.68965	0.756723	1.68965
Camkk1	NM_018883	0.00356	6.14358	6.55449	5.79922	1.68795	0.755274	1.68795
Exosc1	NM_025644	0.000158	13.8386	9.53242	8.77762	1.68739	0.754797	1.68739
	---	1.35E-05	25.7375	10.8188	10.064	1.68734	0.754749	1.68734
Pop4	NM_025390	0.000204	12.9668	7.35845	6.6038	1.68723	0.754653	1.68723

Ufsp1	NM_027356	0.002761	6.58042	6.11084	5.35623	1.68717	0.754607	1.68717
Mknk2	NM_021462	0.002157	7.03053	8.49638	7.74194	1.68698	0.75444	1.68698
Fam38b	NM_001039485	0.000699	9.4511	6.4491	5.69494	1.68665	0.75416	1.68665
5-Mar	NM_027314	0.001325	7.99876	9.69309	8.93902	1.68654	0.754068	1.68654
Gnao1	NM_010308	0.004983	5.6029	7.24666	6.49331	1.68571	0.753355	1.68571
Eif3c	NM_146200	0.000197	13.0857	10.728	9.97483	1.68554	0.75321	1.68554
Ap3s2	NM_009682	0.001963	7.20846	6.85334	6.10215	1.68317	0.751184	1.68317
Plekhb2	NM_145516	0.002956	6.4608	9.16246	8.41132	1.68313	0.751147	1.68313
Tmem161b	NM_175187	0.001803	7.3735	7.59431	6.8433	1.68297	0.75101	1.68297
Atp13a3	NM_001128096	0.00017	13.5942	9.5975	8.84688	1.68252	0.750621	1.68252
Rabgga	NM_019519	0.000902	8.84465	7.46497	6.71552	1.68115	0.749453	1.68115
Mtmr3	NM_028860	0.00048	10.416	9.21437	8.46517	1.68087	0.749204	1.68087
Narfl	NM_026238	0.001126	8.34731	7.19153	6.44245	1.68072	0.749081	1.68072
	---	0.006363	5.23475	7.3938	6.64478	1.68065	0.749019	1.68065
Ccndbp1	NM_010761	0.001243	8.13418	7.99758	7.24888	1.68028	0.748698	1.68028
Zc3h7b	NM_001081016	0.001478	7.7709	8.20057	7.45189	1.68026	0.748683	1.68026
Rrm2b	NM_199476	0.005509	5.44929	7.79656	7.04818	1.67991	0.748382	1.67991
Zfp329	NM_026046	0.00348	6.18152	7.12353	6.3754	1.67962	0.748135	1.67962
Ddx18	NM_025860	0.000331	11.4599	10.0755	9.32783	1.6791	0.747688	1.6791
Rhd	NM_011270	0.006346	5.2387	4.97822	4.2319	1.6775	0.746314	1.6775
Psmf1	NM_212446	0.000654	9.61481	8.24308	7.49728	1.67691	0.745806	1.67691
Map3k11	NM_022012	0.000337	11.4039	7.47031	6.72509	1.67623	0.745223	1.67623
Ppil4	NM_026141	0.000239	12.4514	8.7367	7.99154	1.67616	0.745156	1.67616
Chd7	NM_001081417	0.004374	5.80751	5.05444	4.30953	1.67587	0.744912	1.67587
Stxbp2	NM_011503	0.000599	9.83871	7.83108	7.08628	1.67574	0.7448	1.67574
Mov10	NM_001163440	0.002692	6.62535	8.06138	7.31729	1.67491	0.744087	1.67491
Mark2	NM_007928	0.000517	10.2162	7.91516	7.17118	1.67479	0.743976	1.67479
Dok1	NM_010070	9.82E-05	15.617	8.90765	8.16387	1.67456	0.743783	1.67456
Nop10	NM_025403	0.001647	7.55292	9.44733	8.70376	1.67432	0.743576	1.67432
Lmf1	NM_029624	0.005685	5.40192	8.76449	8.02098	1.67425	0.743514	1.67425
	---	0.001153	8.2954	8.76534	8.02215	1.67387	0.743188	1.67387

4930528A17Rik	NR_028384	0.001242	8.135	5.03876	4.29607	1.67329	0.742685	1.67329
Il17rc	NM_134159	0.00306	6.40028	8.65037	7.908	1.67292	0.742365	1.67292
E330009J07Rik	NM_175528	0.000169	13.6069	6.47978	5.7375	1.67282	0.742285	1.67282
Btaf1	NM_001080706	0.00149	7.75536	9.10226	8.3601	1.67269	0.742166	1.67269
Axin1	NM_009733	0.000659	9.59799	7.4141	6.67209	1.6725	0.742004	1.6725
Ctnna1	NM_009818	0.000121	14.8124	10.4559	9.7142	1.67212	0.741677	1.67212
Rtn1	NM_153457	0.003406	6.21762	5.80944	5.06786	1.672	0.741575	1.672
Bop1	NM_013481	0.000333	11.4432	8.92441	8.18314	1.67165	0.741277	1.67165
4922501C03Rik	NM_199316	0.000509	10.2595	6.11171	5.37053	1.67155	0.741187	1.67155
Rtcd1	NM_025517	0.003083	6.38741	8.84354	8.10249	1.67139	0.74105	1.67139
Snord16a	NR_028548	0.000575	9.94013	9.61994	8.87913	1.67112	0.740813	1.67112
Med31	NM_026068	0.00188	7.29207	8.0204	7.27961	1.67109	0.740787	1.67109
Katnal2	NM_027721	0.000108	15.2429	4.94832	4.20773	1.67087	0.740596	1.67087
Agfg2	NM_178162	0.001061	8.47844	7.75019	7.00998	1.67042	0.740213	1.67042
Prkag1	NM_016781	0.00157	7.64856	10.3421	9.602	1.67026	0.740076	1.67026
Luc7l3	NM_026313	0.000567	9.97734	10.1314	9.39175	1.66973	0.739617	1.66973
Zswim1	NM_028028	0.00278	6.56815	6.52588	5.78701	1.66887	0.738869	1.66887
Rictor	NM_030168	0.001533	7.69682	9.13222	8.39346	1.66875	0.738765	1.66875
Zfyve20	NM_030081	0.004445	5.78195	8.27345	7.53488	1.66853	0.738575	1.66853
Sez6l2	NM_144926	0.000555	10.0344	5.34558	4.60709	1.66844	0.738497	1.66844
Prmt10	NM_001081240	0.004212	5.86803	8.01151	7.27392	1.66738	0.737583	1.66738
Exosc2	NM_144886	0.003348	6.24683	8.11549	7.37855	1.66664	0.736939	1.66664
Shprh	NM_172937	0.000838	9.01589	8.17244	7.43614	1.6659	0.736302	1.6659
Lrrc14b	NM_001033042	0.000101	15.5233	6.06418	5.3281	1.66563	0.736071	1.66563
Larp4	NM_001024526	0.001326	7.99589	6.99842	6.26249	1.66548	0.735938	1.66548
Xab2	NM_026156	2.17E-05	22.8511	8.74687	8.01102	1.66538	0.735852	1.66538
Frmd8	NM_026169	0.001298	8.04204	7.82082	7.08521	1.66511	0.735617	1.66511
Adam10	NM_007399	0.000427	10.7352	10.4102	9.67476	1.66496	0.73549	1.66496
Sqrdl	NM_021507	0.004945	5.6147	8.15598	7.42116	1.66419	0.73482	1.66419
Mis12	NM_025993	0.002442	6.80124	8.04176	7.3071	1.66401	0.734661	1.66401
Ranbp6	NM_177721	0.001811	7.36512	8.02529	7.29109	1.66348	0.734202	1.66348

Rg9mtd3	NM_027266	0.001473	7.77897	6.93391	6.20038	1.6627	0.733529	1.6627
Kcmf1	NM_019715	0.001685	7.50734	10.1165	9.3834	1.66225	0.733138	1.66225
Bcar1	NM_009954	0.003794	6.03794	7.58017	6.84743	1.66179	0.732738	1.66179
Dnajc7	NM_019795	0.002178	7.01177	9.77187	9.03915	1.66177	0.732721	1.66177
Cacna1b	NM_001042528	0.003979	5.95998	5.66053	4.92818	1.66134	0.732349	1.66134
Fmnl2	NM_172409	0.000376	11.0891	8.35412	7.62181	1.6613	0.732314	1.6613
Kpnb1	NM_008379	0.000472	10.4612	10.2651	9.53308	1.66101	0.732062	1.66101
	---	0.00681	5.13595	9.78201	9.05021	1.66071	0.731805	1.66071
Sepx1	NM_013759	0.002457	6.78971	8.93859	8.20742	1.65998	0.731162	1.65998
Prpsap1	NM_026364	0.000622	9.74096	9.54569	8.81466	1.65981	0.731022	1.65981
Cyc1	NM_025567	0.003106	6.37491	9.97057	9.23973	1.65961	0.730844	1.65961
Slc12a6	NM_133649	0.002503	6.75621	8.18129	7.45062	1.65941	0.730671	1.65941
Srpk2	NM_009274	0.006299	5.24953	9.31769	8.58736	1.65901	0.730323	1.65901
Nfatc2ip	NM_010900	0.005821	5.36648	6.56822	5.83821	1.65865	0.730007	1.65865
Rnf135	NM_028019	0.002759	6.5817	6.75289	6.02296	1.65856	0.729929	1.65856
Usp37	NM_176972	0.000226	12.6294	6.93729	6.20834	1.65744	0.728956	1.65744
Asb8	NM_001170711	0.001796	7.38108	8.83323	8.10434	1.65736	0.728888	1.65736
Psm11	NM_178616	1.06E-06	48.7977	10.0744	9.346	1.65675	0.728353	1.65675
Mrps7	NM_025305	0.000531	10.1469	8.75718	8.02912	1.65642	0.728065	1.65642
Anapc1	NM_008569	0.001289	8.05669	10.0058	9.27772	1.65639	0.72804	1.65639
Tmem93	NM_025318	0.001025	8.55518	8.05299	7.32527	1.65601	0.727715	1.65601
Eif3m	NM_145380	0.000203	12.9843	9.8676	9.13995	1.65594	0.727647	1.65594
Slc35b4	NM_021435	0.001631	7.57146	9.32493	8.59754	1.65564	0.727386	1.65564
Cds2	NM_138651	0.001281	8.06925	8.75596	8.02908	1.65505	0.726876	1.65505
Larp7	NM_138593	0.005406	5.47799	7.53704	6.81037	1.65482	0.726673	1.65482
Zfp568	NM_001167872	0.002988	6.44169	6.711	5.98454	1.65457	0.726458	1.65457
Ptk2	NM_007982	0.000665	9.57577	8.84456	8.11909	1.65344	0.725472	1.65344
Afmid	NM_027827	0.006012	5.31847	5.80251	5.07763	1.65276	0.724876	1.65276
Akap9	NM_194462	0.001267	8.09361	7.94351	7.2198	1.65143	0.723712	1.65143
Nras	NM_010937	0.000407	10.8672	8.2855	7.5625	1.65061	0.722995	1.65061
Lpcat3	NM_145130	0.000835	9.02561	8.79736	8.07446	1.6505	0.722902	1.6505

9130404D08Rik	NM_001167939	0.001621	7.58408	9.21146	8.48878	1.65025	0.722687	1.65025
Phka1	NM_008832	0.004404	5.79651	6.99069	6.26833	1.64988	0.722363	1.64988
Anxa1	NM_010730	0.001729	7.45634	12.2923	11.5703	1.64954	0.722064	1.64954
Ints1	NM_026748	0.000359	11.2213	7.21364	6.49165	1.64946	0.721992	1.64946
Fuk	NM_172283	0.003618	6.11642	7.40494	6.68394	1.64833	0.721001	1.64833
Rbm14	NM_019869	0.007078	5.08048	7.70598	6.98515	1.64813	0.720829	1.64813
Ipo8	NM_001081113	0.002827	6.5386	9.13083	8.41012	1.648	0.720712	1.648
Als2	NM_028717	0.003973	5.96241	7.13509	6.41444	1.64792	0.720645	1.64792
Rorb	NM_001043354	0.005122	5.56051	5.4266	4.70641	1.6474	0.720188	1.6474
Mphosph6	NM_026758	0.007066	5.08301	7.89673	7.17691	1.64697	0.719813	1.64697
Eif1ad	NM_027236	0.002352	6.86932	8.42444	7.70468	1.64691	0.71976	1.64691
Zbtb7b	NM_009565	0.000131	14.5112	7.78457	7.06581	1.64577	0.71876	1.64577
Mktn2	NM_023290	0.004477	5.77052	8.16581	7.44733	1.64544	0.718473	1.64544
	---	0.001146	8.30819	10.2367	9.51847	1.64511	0.718187	1.64511
Ndufb8	NM_026061	0.004648	5.71128	7.97828	7.26072	1.64439	0.717555	1.64439
Thoc6	NM_001008425	0.001296	8.04553	7.94225	7.22506	1.64398	0.717192	1.64398
Gltp	NM_019821	0.002218	6.97819	7.97633	7.26061	1.64229	0.715711	1.64229
Pkn2	NM_178654	0.000957	8.70905	9.50457	8.78927	1.64182	0.715297	1.64182
Wbscr16	NM_033572	0.003047	6.40795	4.92849	4.21342	1.64156	0.715067	1.64156
Atg9a	NM_001003917	0.000138	14.3234	7.80003	7.08562	1.64081	0.714409	1.64081
	---	0.003055	6.40353	9.83367	9.11957	1.64046	0.714101	1.64046
Abhd8	NM_022419	0.00523	5.52834	7.87275	7.15869	1.64042	0.714063	1.64042
Wfikn1	NM_001100454	0.002002	7.17133	6.8654	6.15147	1.64026	0.713926	1.64026
0610007P22Rik	NM_026676	6.12E-05	17.6002	7.68539	6.97146	1.64026	0.713923	1.64026
	---	0.001661	7.53499	7.82268	7.10893	1.64006	0.713749	1.64006
Drg1	NM_007879	0.004615	5.72262	9.31307	8.59951	1.63985	0.713563	1.63985
Actn4	NM_021895	0.001566	7.65368	11.2937	10.5803	1.63966	0.713398	1.63966
Ehd2	NM_153068	0.001562	7.65938	10.5582	9.84548	1.63886	0.712696	1.63886
Apbb1ip	NM_019456	0.002223	6.97401	6.34091	5.62824	1.63884	0.712677	1.63884
Unc13b	NM_001081413	7.09E-05	16.9584	5.69303	4.98073	1.63842	0.712304	1.63842
Wdr19	NM_153391	0.005805	5.37067	8.05017	7.33827	1.63795	0.711892	1.63795

Bend4	NM_001164806	0.001201	8.20704	6.10511	5.39341	1.63773	0.7117	1.63773
Tnrc6a	NM_144925	0.002004	7.16964	8.70172	7.99121	1.63638	0.710509	1.63638
	---	0.002715	6.61025	11.2325	10.5222	1.63609	0.710249	1.63609
Commd5	NM_025536	0.000477	10.4321	7.91022	7.20021	1.63582	0.710015	1.63582
Mrpl35	NM_025430	0.002359	6.86422	8.70764	7.99779	1.63563	0.709847	1.63563
4930519F16Rik	BC107248	0.001362	7.93985	3.71759	3.0079	1.63545	0.709689	1.63545
Pcbp2	NM_001103165	0.000553	10.0422	12.202	11.4925	1.63527	0.709526	1.63527
Tprn	NM_175286	0.000172	13.5523	5.97239	5.26288	1.63525	0.709507	1.63525
Cnot4	NM_016877	0.000381	11.0498	7.97428	7.26496	1.63503	0.709316	1.63503
Pus3	NM_023292	0.001074	8.45112	7.36737	6.65836	1.63468	0.709007	1.63468
Zfp120	NM_181266	0.003594	6.12733	5.33857	4.62964	1.6346	0.708936	1.6346
Ide	NM_031156	0.000504	10.2875	9.69403	8.98545	1.63419	0.708578	1.63419
Pdzk1ip1	NM_001164557	0.00599	5.32383	5.38156	4.6732	1.63395	0.708362	1.63395
Gm527	BC099503	0.004767	5.67167	6.96226	6.25434	1.63345	0.707921	1.63345
2310061104Rik	NM_001033630	4.11E-06	34.7016	7.60986	6.90291	1.63234	0.706943	1.63234
Ap2b1	NM_001035854	4.17E-05	19.3897	9.83803	9.1311	1.63233	0.706932	1.63233
Tnpo3	NM_177296	0.000251	12.2982	10.2195	9.51321	1.63156	0.706256	1.63156
Dyrk1b	NM_001037957	0.00528	5.51379	7.35598	6.6498	1.63148	0.70618	1.63148
Mrpl28	NM_024227	0.000689	9.48531	7.81675	7.11138	1.63057	0.705374	1.63057
Pms1	NM_153556	0.005324	5.50106	6.30466	5.59981	1.62998	0.704858	1.62998
Stxbp3a	NM_011504	0.002687	6.62885	9.2948	8.59019	1.6297	0.704607	1.6297
Trappc10	NM_001081055	0.000216	12.7832	8.47237	7.76781	1.62966	0.704568	1.62966
Erc2	NM_177814	0.00331	6.26619	5.49074	4.78619	1.62963	0.704547	1.62963
Wdr1	NM_011715	0.000616	9.7664	11.0452	10.3408	1.62943	0.704367	1.62943
Sun2	NM_194342	0.006188	5.27584	8.7401	8.03672	1.62832	0.703384	1.62832
	---	0.002885	6.50325	7.55071	6.84777	1.62782	0.702939	1.62782
Dlgap1	NM_177639	0.000915	8.8127	4.93816	4.23556	1.62744	0.702602	1.62744
Nup62	NM_053074	0.002071	7.1071	8.84512	8.14267	1.62727	0.70245	1.62727
Ywhaz	NM_011740	0.001109	8.38144	10.5631	9.86071	1.62722	0.702414	1.62722
Lass2	NM_029789	0.000341	11.3693	10.435	9.73303	1.62674	0.701987	1.62674
Rnu1b1	NR_004412	0.002725	6.60382	7.17456	6.47295	1.62632	0.701612	1.62632

Rnu1b1	NR_004412	0.002725	6.60382	7.17456	6.47295	1.62632	0.701612	1.62632
Rnu1b1	NR_004412	0.002725	6.60382	7.17456	6.47295	1.62632	0.701612	1.62632
Rnu1b1	NR_004412	0.002725	6.60382	7.17456	6.47295	1.62632	0.701612	1.62632
Rnu1b1	NR_004412	0.002725	6.60382	7.17456	6.47295	1.62632	0.701612	1.62632
Fiz1	NM_011813	0.000248	12.3353	7.61664	6.91512	1.62623	0.701528	1.62623
Qk	NM_021881	0.000402	10.904	9.0921	8.39141	1.62529	0.700699	1.62529
Cops7b	NM_172974	0.000184	13.3212	7.46368	6.76308	1.62518	0.700602	1.62518
Hnrnp1	NM_021510	0.000958	8.70678	11.4434	10.7428	1.62516	0.700583	1.62516
Inpp5b	NM_008385	0.000641	9.66518	7.79886	7.09833	1.62511	0.700536	1.62511
Capza1	NM_009797	0.000294	11.8173	10.8326	10.1331	1.62386	0.699429	1.62386
Chd7	NM_001081417	0.005624	5.41817	6.64274	5.94354	1.62361	0.699202	1.62361
Mtif2	NM_133767	0.006797	5.13875	8.29327	7.59408	1.6236	0.699198	1.6236
Rint1	NM_177323	0.000903	8.84269	7.82719	7.12802	1.62358	0.699176	1.62358
Tuba1b	NM_011654	0.003604	6.12271	12.2628	11.5639	1.62325	0.698882	1.62325
Zfp740	NM_153194	0.001536	7.69288	8.54164	7.84373	1.62215	0.697907	1.62215
Hcn1	NM_010408	0.005735	5.38879	4.88701	4.18939	1.62183	0.69762	1.62183
Ubash3b	NM_176860	0.00443	5.78737	4.90956	4.21229	1.62143	0.697267	1.62143
Phf5a	NM_026737	0.001344	7.96842	9.82985	9.13265	1.62135	0.697195	1.62135
Tm6sf1	NM_145375	0.000277	11.9967	5.36698	4.66981	1.62132	0.697172	1.62132
Scamp5	NM_020270	0.006061	5.30641	7.08229	6.38513	1.62131	0.697156	1.62131
	---	0.00068	9.51745	10.5799	9.88309	1.62089	0.696787	1.62089
Mpv17l2	NM_183170	0.003139	6.35644	8.82143	8.12501	1.62047	0.696413	1.62047
Trpc1	NM_011643	0.003709	6.07528	6.99956	6.30325	1.62036	0.696315	1.62036
Trp53bp1	NM_013735	0.005495	5.45313	8.2002	7.50394	1.6203	0.696257	1.6203
Paip2b	NM_146169	0.003307	6.26759	8.56535	7.86925	1.62012	0.696103	1.62012
Pex3	NM_019961	0.001893	7.27839	9.01417	8.31837	1.61978	0.695797	1.61978
Ubxn4	NM_026390	0.003045	6.40917	10.0151	9.31935	1.61975	0.695775	1.61975
Usp40	NM_001198573	0.001702	7.48659	8.43207	7.73632	1.61973	0.695754	1.61973
Klhl11	NM_172565	0.000645	9.65178	8.79483	8.09928	1.6195	0.695549	1.6195
Micall1	NM_177461	0.006967	5.1033	7.24137	6.5461	1.61919	0.695269	1.61919
Mkln1	NM_013791	0.000124	14.7048	9.31235	8.6174	1.61883	0.694954	1.61883

1300001101Rik	BC072573	0.004812	5.65715	8.82144	8.12654	1.61878	0.694905	1.61878
	---	0.005234	5.52723	9.79671	9.10186	1.61872	0.694855	1.61872
Bckdk	NM_009739	0.000286	11.8953	9.58301	8.88828	1.61858	0.694731	1.61858
Vps33a	NM_029929	0.000716	9.39201	8.80102	8.10669	1.61813	0.694327	1.61813
Bard1	NM_007525	0.006387	5.22933	4.8675	4.17331	1.61798	0.694193	1.61798
2810422O20Rik	BC050143	0.003989	5.95566	5.87747	5.18394	1.61723	0.693528	1.61723
Pdpx	NM_020271	0.003189	6.32937	5.95027	5.25726	1.61665	0.693005	1.61665
	---	0.006874	5.12257	10.6696	9.97674	1.61643	0.692815	1.61643
Phf21b	NR_030731	8.64E-05	16.1285	5.67194	4.97914	1.61642	0.692799	1.61642
Gtf3c3	NM_001033194	0.001298	8.04121	8.44694	7.75427	1.61627	0.692671	1.61627
Sart1	AF129931	0.002194	6.99878	6.14182	5.45044	1.61483	0.691379	1.61483
Cse1l	NM_023565	0.002778	6.56949	10.298	9.60664	1.61481	0.691368	1.61481
Mtmr4	NM_133215	0.004838	5.64862	8.58081	7.89067	1.61344	0.690138	1.61344
	---	0.00086	8.95577	9.03281	8.34289	1.61319	0.689913	1.61319
Sh3bp4	NM_133816	0.000992	8.62918	7.61898	6.9291	1.61315	0.689884	1.61315
Maf1	NM_001164607	0.004721	5.68707	9.74405	9.05453	1.61275	0.689522	1.61275
Cnot3	NM_146176	0.003405	6.21829	8.09468	7.406	1.61181	0.688679	1.61181
	---	0.000366	11.1639	11.0271	10.3387	1.61148	0.688383	1.61148
2310044G17Rik	NM_173735	0.000428	10.7281	7.34042	6.65204	1.61147	0.688378	1.61147
Ppp1r7	NM_023200	0.004467	5.77397	9.06465	8.3763	1.61144	0.688353	1.61144
Nsmce2	NM_026746	0.006259	5.25889	8.93764	8.24974	1.61094	0.687901	1.61094
2400003C14Rik	NM_028018	5.22E-05	18.3241	10.0219	9.33404	1.6109	0.687868	1.6109
Kazald1	NM_178929	0.000191	13.1837	6.83813	6.15035	1.61081	0.687786	1.61081
Wdr54	NM_023790	0.005425	5.47256	6.66538	5.97793	1.61044	0.687451	1.61044
Gatad2b	NM_139304	0.000344	11.3505	9.0134	8.32607	1.6103	0.687331	1.6103
Fbxo25	NM_025785	0.000242	12.4128	8.75173	8.06459	1.61009	0.687144	1.61009
Slc6a13	NM_144512	0.004898	5.62955	5.4546	4.76748	1.61007	0.687128	1.61007
	---	0.000287	11.8887	10.097	9.41009	1.60981	0.686893	1.60981
Otub1	NM_134150	0.003695	6.08133	9.67821	8.9914	1.60973	0.686817	1.60973
Rnu12	NR_004432	0.002016	7.15769	7.02918	6.34299	1.60903	0.686193	1.60903
Jazf1	NM_001168277	0.004699	5.69431	6.62429	5.93831	1.6088	0.685982	1.6088

Pcbp3	NM_021568 ENSMUST0000009809	0.002875	6.50904	7.34224	6.65652	1.60851	0.685721	1.60851
Gm10589	6	0.003875	6.00329	6.37091	5.68649	1.60705	0.684414	1.60705
Apol10b	NM_177820	0.000273	12.0336	5.37572	4.69137	1.60697	0.684342	1.60697
Exoc7	NM_016857	0.000957	8.71001	8.20066	7.51668	1.60656	0.683979	1.60656
Trmt112	NM_001166370	0.006141	5.28708	7.67295	6.98941	1.60608	0.683544	1.60608
Maea	NM_021500	0.000242	12.4085	10.3982	9.71477	1.60594	0.683416	1.60594
Noc4l	NM_153570	0.005166	5.54713	8.04234	7.35903	1.60582	0.68331	1.60582
Cnot1	NM_153164	0.002194	6.99862	10.2088	9.5263	1.60494	0.68252	1.60494
Stk16	NM_011494	0.000209	12.8885	8.63661	7.95413	1.6049	0.682487	1.6049
Caskin2	NM_080643	0.001064	8.47125	6.74078	6.05881	1.60433	0.681975	1.60433
Elk3	NM_013508	0.000588	9.8855	9.18528	8.50332	1.60432	0.681962	1.60432
C2cd3	NM_001017985	0.001548	7.67724	7.86116	7.17923	1.60429	0.681935	1.60429
Hr	NM_021877	0.002143	7.04249	5.66454	4.98282	1.60405	0.681719	1.60405
Pwwp2b	NM_001098636	0.006329	5.24271	7.03866	6.35698	1.60401	0.681687	1.60401
Stard10	NM_019990	0.004791	5.66382	7.41307	6.7315	1.60389	0.681571	1.60389
Rad51l3	NM_011235	0.000435	10.6835	7.704	7.02272	1.60357	0.681287	1.60357
Rdm1	NM_025654	0.000815	9.08125	6.81194	6.13071	1.60351	0.68123	1.60351
Ywhaz	NM_011740	5.64E-05	17.9677	12.237	11.5563	1.6029	0.680682	1.6029
Mad2l2	NM_027985	0.005207	5.53509	6.57249	5.89197	1.60271	0.680513	1.60271
Nup85	NM_001002929	0.002527	6.73883	7.91606	7.23561	1.60264	0.680447	1.60264
Tubgcp3	NM_198031	0.000352	11.282	8.30953	7.6292	1.6025	0.680327	1.6025
Ralgps1	NM_175211	0.000804	9.11281	6.31217	5.63192	1.60241	0.680244	1.60241
	---	0.000767	9.22624	4.35271	3.67346	1.6013	0.679246	1.6013
1700013F07Rik	BC116223	0.001255	8.1127	5.16817	4.48898	1.60124	0.679193	1.60124
Dhrs13	NM_183286	0.002197	6.99571	6.02523	5.34627	1.60098	0.678958	1.60098
Ankfy1	NM_009671	0.00309	6.38393	9.00961	8.33161	1.59992	0.678	1.59992
1500032L24Rik	BC092006	0.002709	6.61447	10.8463	10.1686	1.59966	0.677764	1.59966
Smcr8	NM_001085440 ENSMUST0000013103	0.003251	6.29658	7.79821	7.12048	1.59963	0.677734	1.59963
Rnf213	5	0.004634	5.71601	6.30969	5.63202	1.59956	0.677674	1.59956
	---	0.001621	7.58398	10.0594	9.38181	1.59943	0.677556	1.59943

Ndufa4	NM_010886	0.00237	6.85559	10.9859	10.3084	1.59929	0.677434	1.59929
Brd7	NM_012047	0.004433	5.78629	8.31089	7.63468	1.59793	0.676205	1.59793
Pphln1	NM_146062	0.000884	8.89134	9.44625	8.77005	1.59793	0.676204	1.59793
Psip1	NM_133948	0.0029	6.49379	7.22124	6.54503	1.59793	0.676204	1.59793
Ralgapb	NM_177658	0.002725	6.60365	8.93118	8.2552	1.59768	0.675976	1.59768
Psm12	NM_025894	0.000259	12.2036	9.57054	8.89554	1.59659	0.674997	1.59659
Dcaf7	NM_027946	0.003332	6.25454	9.67259	8.99775	1.59642	0.674842	1.59642
	---	7.07E-05	16.9714	7.28311	6.60834	1.59635	0.674777	1.59635
6720401G13Rik	NR_015505	0.001835	7.3393	7.79551	7.12084	1.59623	0.67467	1.59623
Rps6kb2	NM_021485	0.000244	12.3907	7.63054	6.95627	1.59579	0.67427	1.59579
Smpd3	NM_021491	0.000317	11.5881	5.41029	4.7361	1.5957	0.67419	1.5957
Pafah2	NM_133880	0.002494	6.76259	7.55332	6.87925	1.59556	0.674064	1.59556
BC017647	NM_145430	0.001906	7.26571	7.47326	6.79954	1.59518	0.673724	1.59518
Th1l	NM_020580	0.000158	13.8307	7.26944	6.59591	1.59498	0.673534	1.59498
Zfp1	NM_001037665	0.003361	6.24033	7.37388	6.70096	1.5943	0.672923	1.5943
Ppp1r11	NM_029632	0.001306	8.02814	7.88765	7.21485	1.59416	0.6728	1.59416
Pcm1	NM_023662	0.002354	6.86819	9.29552	8.6231	1.59374	0.672417	1.59374
Mavs	NM_144888	0.002416	6.82068	8.66547	7.99356	1.59318	0.67191	1.59318
1500011H22Rik	BC019498	0.000529	10.1569	8.56517	7.89344	1.59298	0.671729	1.59298
5430437P03Rik	NM_026636	0.000405	10.8841	9.93171	9.26001	1.59295	0.671698	1.59295
Kdm5a	NM_145997	0.002032	7.14272	9.2715	8.60007	1.59266	0.671436	1.59266
Tcp11l1	NM_177190	0.001391	7.89654	6.9292	6.25794	1.59246	0.671257	1.59246
Alpk1	NM_027808	0.005531	5.4434	7.54879	6.87768	1.5923	0.671112	1.5923
Pppde2	NM_134095	0.003871	6.0049	8.34013	7.66967	1.59158	0.670462	1.59158
Osbp2	NM_152818	0.002126	7.05732	6.44529	5.77547	1.59088	0.669822	1.59088
Ubxn1	NM_146093	0.002163	7.02469	9.18373	8.51398	1.5908	0.669753	1.5908
Mrps5	NM_029963	0.006349	5.23788	7.23252	6.56381	1.58965	0.668711	1.58965
Pcyox1l	NM_172832	0.000744	9.30006	7.16699	6.49838	1.58954	0.668606	1.58954
lkbkb	NM_010546	0.000921	8.79678	8.23455	7.56663	1.58878	0.667921	1.58878
Phf12	NM_174852	0.00076	9.2469	8.6401	7.97268	1.58823	0.667418	1.58823
D330012F22Rik	NM_178752	0.005308	5.50569	5.30589	4.6385	1.5882	0.667388	1.5882

Tada3	NM_133932	0.004003	5.95034	7.70276	7.03538	1.58819	0.667388	1.58819
Rnf40	NM_172281	0.000282	11.9419	8.25451	7.58716	1.58815	0.667343	1.58815
	---	0.007056	5.08511	10.6599	9.99303	1.58762	0.666868	1.58762
Ghdc	NM_031871	0.003842	6.01702	6.58521	5.91838	1.58758	0.666828	1.58758
lqsec1	NM_001134384	0.000806	9.10845	7.91638	7.24998	1.58711	0.666402	1.58711
Xpo5	NM_028198	0.001034	8.53605	8.52838	7.86205	1.58703	0.666328	1.58703
Gm10615	ENSMUST0000009835 5	0.000335	11.422	4.60118	3.93488	1.58699	0.666297	1.58699
Ppp1r12b	NM_001081307	0.00249	6.76588	6.68522	6.01903	1.58687	0.666186	1.58687
D330041H03Rik	NR_033554	0.004247	5.85472	6.46994	5.80378	1.58685	0.666162	1.58685
	---	0.004788	5.66484	11.5708	10.9047	1.58677	0.666094	1.58677
Tesk2	NM_146151	0.0024	6.83266	6.76051	6.09517	1.58594	0.665341	1.58594
lqgap1	NM_016721	0.001075	8.45008	9.75647	9.09128	1.58578	0.665194	1.58578
Tyk2	NM_018793	0.005132	5.55737	6.78276	6.11774	1.58559	0.665019	1.58559
Ddx20	NM_017397	0.004292	5.83788	7.78435	7.1199	1.58497	0.664453	1.58497
Strbp	NM_009261	0.000438	10.663	5.43535	4.77142	1.58439	0.66393	1.58439
Tsen54	NM_029557	0.000132	14.4737	7.80549	7.14215	1.58374	0.663339	1.58374
	---	0.001964	7.20755	8.40538	7.74208	1.5837	0.663301	1.5837
	---	0.000143	14.1973	5.24635	4.58329	1.58344	0.66306	1.58344
Med19	NM_025885	0.002191	7.0008	7.84615	7.18314	1.58339	0.663016	1.58339
Nr2c2ap	NM_001025586	0.006129	5.28996	7.74432	7.08134	1.58336	0.662986	1.58336
Disp2	NM_170593	0.003397	6.22207	5.13945	4.47679	1.583	0.662662	1.583
Ino80d	NM_001114609	0.001554	7.66929	7.70052	7.03856	1.58223	0.66196	1.58223
Letm1	NM_019694	0.0036	6.12457	7.45055	6.78869	1.58211	0.661851	1.58211
Cyhr1	NM_019396	0.000287	11.8869	8.64238	7.98149	1.58106	0.660888	1.58106
Tmem150a	NM_144916	2.39E-05	22.3002	8.73435	8.07382	1.58067	0.660533	1.58067
	---	0.002574	6.70546	4.38347	3.72293	1.58066	0.660531	1.58066
Vps52	NM_172620	0.000175	13.4905	7.711	7.0507	1.58041	0.660299	1.58041
Mrps18a	NM_026768	0.004808	5.6583	8.05026	7.39044	1.57988	0.659817	1.57988
Pds5b	NM_175310	0.003076	6.39166	8.4291	7.77046	1.57859	0.658634	1.57859
Cd3eap	NM_145822	0.000492	10.3495	6.9358	6.27744	1.57829	0.65836	1.57829

Sall1	NM_021390	0.003198	6.32488	5.73982	5.08146	1.57829	0.658358	1.57829
Srrm2	NM_175229	0.001232	8.15242	10.4003	9.74195	1.57827	0.658343	1.57827
Arid2	NM_175251	0.003008	6.42999	8.7297	8.0718	1.57779	0.657907	1.57779
Triobp	NM_001039156	0.002293	6.91651	7.32883	6.67112	1.57758	0.657709	1.57758
Vps35	NM_022997	0.002586	6.69749	10.3656	9.7086	1.57684	0.657039	1.57684
Ttc12	NM_172770	0.004857	5.64253	6.9628	6.30595	1.57664	0.656852	1.57664
Plekha5	NM_144920	0.000719	9.38059	7.65115	6.99447	1.57645	0.65668	1.57645
Arb2	NM_145429	0.001509	7.72831	6.43403	5.77873	1.57495	0.655302	1.57495
Dhx36	NM_028136	0.000588	9.88539	9.23304	8.57805	1.5746	0.654989	1.5746
Pno1	NM_025443	0.001525	7.70727	8.20897	7.55402	1.57457	0.654955	1.57457
Obfc1	NM_175360	0.002838	6.53187	8.27087	7.61595	1.57453	0.654923	1.57453
Dppa2	NM_028615	0.000509	10.2576	4.91519	4.26052	1.57426	0.654669	1.57426
Tox4	NM_023434	0.000726	9.36023	8.27462	7.62007	1.57412	0.654549	1.57412
4632419122Rik	BC067002	0.000486	10.3836	7.95498	7.30083	1.57369	0.654151	1.57369
Dbndd2	NM_001048227	0.00401	5.94748	5.37489	4.72133	1.57305	0.653565	1.57305
Kdm4b	NM_172132	0.002419	6.81847	8.19884	7.54587	1.5724	0.652966	1.5724
Nek8	NM_080849	0.000764	9.23583	6.62603	5.97317	1.57229	0.652869	1.57229
Exosc5	NM_138586	4.05E-05	19.5301	7.96961	7.31685	1.57217	0.652759	1.57217
Ncoa2	NM_008678	0.004803	5.66009	7.63807	6.98546	1.57201	0.652608	1.57201
Eri2	NM_027698	0.004578	5.7353	6.99945	6.34815	1.57058	0.651301	1.57058
Kctd9	NM_001111028	0.006461	5.2123	7.98247	7.3315	1.57021	0.650961	1.57021
Pdhx	NM_175094	0.002539	6.73026	7.37882	6.72829	1.56974	0.650528	1.56974
Gtf3c1	NM_207239	0.000508	10.2645	8.3463	7.69585	1.56966	0.65045	1.56966
Med23	NM_001166416	0.001218	8.17732	8.48496	7.8355	1.56858	0.649457	1.56858
Atp5g2	NM_026468	0.001173	8.25871	11.1402	10.4924	1.5668	0.647825	1.5668
	---	0.000707	9.42356	6.29033	5.64294	1.56633	0.647389	1.56633
Ehd1	NM_010119	0.004802	5.66016	8.83676	8.18983	1.56583	0.646926	1.56583
	---	0.001329	7.9912	11.7347	11.088	1.56556	0.646678	1.56556
Pmpca	NM_173180	0.001003	8.60356	9.2139	8.56729	1.56548	0.646608	1.56548
4931408A02Rik	AF358257	0.003676	6.09023	5.87352	5.22727	1.56509	0.64625	1.56509
Nop56	NM_024193	0.00591	5.34387	10.4049	9.75872	1.56504	0.646199	1.56504

	---	0.00704	5.08828	8.77686	8.13078	1.56492	0.646089	1.56492
Rbm27	NM_172626	0.006189	5.27541	8.22598	7.58052	1.56424	0.645465	1.56424
Asna1	NM_019652	0.000683	9.50648	9.66988	9.02455	1.56409	0.645327	1.56409
Eps15	NM_007943	4.74E-05	18.7746	9.1736	8.52847	1.56388	0.64513	1.56388
Atp5b	NM_016774	0.000652	9.62235	12.1286	11.4836	1.56379	0.64505	1.56379
Pigw	NM_027388	0.001486	7.76	6.69604	6.05114	1.56364	0.644905	1.56364
Nkiras2	NM_028024	0.006565	5.18915	6.86675	6.22236	1.56309	0.644396	1.56309
Lnpep	NM_172827	0.001016	8.57498	10.3647	9.72186	1.56135	0.642797	1.56135
Rtn3	NM_001003934	0.005418	5.47458	11.2686	10.6261	1.56104	0.642503	1.56104
Phb	NM_008831	0.000155	13.8982	10.0514	9.4091	1.56078	0.642263	1.56078
Kdm1a	NM_133872	0.000155	13.9107	9.29912	8.65705	1.56056	0.642067	1.56056
Mapk3	NM_011952	0.007069	5.08246	9.61694	8.97488	1.56056	0.642063	1.56056
Acer3	NM_025408	0.000279	11.9692	6.65053	6.00892	1.56007	0.64161	1.56007
Lmnb2	NM_010722	0.000728	9.35343	6.61895	5.97742	1.55998	0.641531	1.55998
Ulk3	NM_027895	0.000245	12.3823	6.40543	5.76413	1.55973	0.641297	1.55973
Gak	NM_153569	0.001569	7.65029	8.92423	8.28294	1.55972	0.641288	1.55972
Zfp687	NM_030074	0.004542	5.74772	7.37717	6.73596	1.55964	0.641217	1.55964
St3gal3	NM_009176	0.004109	5.90765	7.8578	7.21676	1.55945	0.641038	1.55945
Capza1	NM_009797	0.000453	10.5705	10.6516	10.0107	1.5593	0.640896	1.5593
Cdk12	NM_001109626	0.005025	5.58992	7.81503	7.17418	1.55925	0.640852	1.55925
Sfxn3	NM_053197	0.001512	7.72528	10.0375	9.39734	1.55853	0.640184	1.55853
Anxa4	NM_013471	0.002337	6.88169	10.307	9.66696	1.55834	0.640014	1.55834
Rell1	NM_145923	0.002395	6.83645	8.85596	8.21667	1.55756	0.639288	1.55756
Rnf185	NM_145355	0.003554	6.14631	8.23782	7.5988	1.55727	0.639022	1.55727
Eif2ak2	NM_011163	0.006054	5.30798	7.73121	7.0923	1.55715	0.638904	1.55715
2810407C02Rik	NM_001040396	0.000641	9.66742	11.0014	10.3626	1.55709	0.63885	1.55709
Tnk2	NM_016788	0.001928	7.2436	7.27919	6.64045	1.55697	0.638739	1.55697
Gli3	NM_008130	0.001468	7.78529	6.84412	6.20574	1.55659	0.638387	1.55659
1110006O24Rik	NR_027810	0.000478	10.4281	6.33325	5.69499	1.55645	0.638258	1.55645
Psme3	NM_011192	0.00065	9.6311	9.26617	8.62801	1.55635	0.638162	1.55635
Atf6b	NM_017406	0.000994	8.62339	8.23139	7.59338	1.55618	0.638011	1.55618

Tom1l2	NM_153080	0.000707	9.422	8.16727	7.5307	1.55462	0.636563	1.55462
Ftsj3	NM_025310	0.004649	5.71096	9.87356	9.23707	1.55455	0.636496	1.55455
Timm17a	NM_011590	0.000372	11.1201	10.1876	9.55126	1.55442	0.636372	1.55442
Idh3b	NM_130884	0.002011	7.16236	10.8516	10.2153	1.55434	0.636298	1.55434
	---	0.001787	7.39083	9.66715	9.03126	1.5539	0.635893	1.5539
1700081L11Rik	BC054752	2.03E-05	23.2464	8.69385	8.05834	1.55349	0.635515	1.55349
Dhx35	NM_145742	0.002343	6.8766	7.86592	7.23048	1.55341	0.63544	1.55341
Shoc2	NM_019658	0.001354	7.95329	9.58072	8.94533	1.55335	0.635383	1.55335
Zfp707	NM_001081065	0.003268	6.28759	6.91182	6.27689	1.55287	0.634933	1.55287
5830418K08Rik	NM_176976	0.006294	5.25076	6.20342	5.56851	1.55283	0.634902	1.55283
Nup160	NM_021512	0.00432	5.82745	8.7761	8.14142	1.5526	0.634683	1.5526
Larp4	NM_001024526	0.00101	8.58703	9.96743	9.3333	1.55201	0.634133	1.55201
Slc4a3	NM_009208	0.006023	5.31561	7.27409	6.64002	1.55194	0.634076	1.55194
	---	0.002112	7.06968	9.72886	9.09534	1.55134	0.633516	1.55134
H2-M3	NM_013819	0.002629	6.66761	6.602	5.96849	1.55134	0.633512	1.55134
Mff	NM_029409	0.001479	7.76975	9.43233	8.79891	1.55123	0.633415	1.55123
Syngt2	NM_009304	0.000763	9.23824	9.8419	9.20936	1.5503	0.632544	1.5503
Limk2	NM_010718	0.001457	7.80143	7.83084	7.19884	1.5497	0.631993	1.5497
Derl2	NM_033562	0.005682	5.40281	9.07778	8.44601	1.54946	0.631764	1.54946
Zmynd8	NM_027230	0.003685	6.08596	9.26077	8.6296	1.54882	0.631173	1.54882
Por	NM_008898	0.002762	6.57999	9.31371	8.68266	1.54869	0.631048	1.54869
Trabd	NM_026485	0.006981	5.10035	8.10643	7.47572	1.54833	0.630714	1.54833
Gmeb2	NM_198169	0.000968	8.68398	6.9342	6.30385	1.54794	0.630346	1.54794
B3gnt1	NM_178664	0.003759	6.0531	5.91449	5.28438	1.54768	0.630107	1.54768
Prmt2	NM_133182	0.003116	6.36947	8.83788	8.20779	1.54766	0.630092	1.54766
Ubl3	NM_011908	0.00655	5.19241	9.2587	8.62939	1.54682	0.629309	1.54682
Strn4	NM_133789	0.000202	13.0074	7.71849	7.08929	1.54671	0.629202	1.54671
Ssrp1	NM_182990	0.000994	8.62359	9.70808	9.07897	1.54661	0.629106	1.54661
Kctd15	NM_146188	0.00069	9.48316	7.56836	6.93954	1.5463	0.628825	1.5463
Hoxa7	NM_010455	0.001517	7.71781	7.1678	6.53935	1.5459	0.628448	1.5459
Rabl5	NM_026073	0.002726	6.603	7.94114	7.31372	1.5448	0.627419	1.5448

Zfp689	NM_175163	0.003278	6.28268	7.37691	6.74993	1.54433	0.626978	1.54433
Cnm4	NM_033570	0.001225	8.16482	6.55839	5.9315	1.54423	0.626884	1.54423
Ubr1	NM_009461	0.005033	5.58748	8.52292	7.89618	1.54407	0.626742	1.54407
Camta1	NM_001081557	0.001319	8.00838	8.36525	7.7386	1.54397	0.626648	1.54397
Hip1r	NM_145070	0.00457	5.73801	7.05705	6.43068	1.54367	0.626365	1.54367
Wtap	NM_001113533	0.000463	10.511	10.2655	9.63916	1.54367	0.626362	1.54367
Gpi1	NM_008155	0.00421	5.86879	11.4661	10.8405	1.54284	0.625587	1.54284
	---	0.001178	8.24912	12.2398	11.6147	1.54237	0.625152	1.54237
Dph1	NM_144491	0.006589	5.18378	7.99544	7.37066	1.54198	0.624781	1.54198
Psmc3ip	NM_008949	0.003579	6.13431	5.64029	5.01554	1.54194	0.624747	1.54194
Dcun1d2	NM_001024504	0.006632	5.17429	7.87463	7.2501	1.54172	0.624537	1.54172
Ctdspl2	NM_212450	0.005725	5.39128	7.09895	6.47461	1.5415	0.624335	1.5415
Grf1	NM_172739	0.001734	7.44977	7.94536	7.32132	1.54118	0.624037	1.54118
Ccdc86	NM_023731	8.86E-05	16.0281	7.6854	7.06142	1.54111	0.623972	1.54111
Myef2	NM_001162417	0.005787	5.3752	8.03606	7.41236	1.54082	0.623703	1.54082
Tubgcp2	NM_133755	0.005182	5.5426	7.87067	7.24709	1.5407	0.623581	1.5407
Recql5	NM_130454	6.51E-05	17.3288	6.91971	6.2964	1.5404	0.623309	1.5404
	---	0.00227	6.93489	11.1295	10.5063	1.54018	0.623102	1.54018
Trpt1	NM_153597	0.000387	11.0054	6.55029	5.92836	1.53894	0.621937	1.53894
	---	0.003397	6.22198	3.88968	3.26885	1.53776	0.620834	1.53776
Srsf2	NM_011358	0.006931	5.11059	10.5929	9.97203	1.53775	0.620825	1.53775
Atp6v0c	NM_009729	0.004804	5.65964	11.2996	10.6789	1.53755	0.620631	1.53755
Tuba1b	NM_011654	0.006437	5.21776	12.536	11.9154	1.5375	0.620588	1.5375
Btbd11	NM_028709	0.001461	7.79577	6.30967	5.68938	1.53718	0.620289	1.53718
2310067B10Rik	NM_028014	0.004948	5.61364	7.99522	7.37548	1.5366	0.619738	1.5366
Baiap2	NM_130862	0.000726	9.35819	8.83909	8.21973	1.53619	0.619359	1.53619
1600027N09Rik	NM_028479	0.001719	7.46787	6.20564	5.58642	1.53605	0.619223	1.53605
Dido1	NM_175551	0.000636	9.68431	7.85903	7.24015	1.53568	0.618876	1.53568
Ndufs8	NM_144870	0.000666	9.57126	8.3894	7.77087	1.53532	0.618535	1.53532
Ccng2	NM_007635	0.002865	6.51501	8.9466	8.3283	1.53506	0.618297	1.53506
Becn1	NM_019584	0.00265	6.65364	9.06604	8.4479	1.5349	0.618145	1.5349

Med25	NM_029365	0.002922	6.48047	8.1053	7.48817	1.53382	0.61713	1.53382
Tnks1bp1	NM_001081260	0.000125	14.6759	9.34595	8.72955	1.53305	0.616405	1.53305
Atrn	NM_009730	0.000991	8.63122	8.61486	7.99903	1.53244	0.615833	1.53244
Srgap2	NM_001081011	0.002413	6.82263	7.80301	7.18735	1.53225	0.615652	1.53225
Mogat2	NM_177448	0.001361	7.94188	5.30803	4.69273	1.53187	0.615292	1.53187
Appbp2	NM_025825	0.004893	5.63123	10.5137	9.89924	1.53096	0.614437	1.53096
Crtc1	NM_001004062	0.001434	7.83335	7.09343	6.4791	1.53084	0.614328	1.53084
Rab11fip5	NM_001003955	0.006872	5.12303	8.01338	7.39932	1.53056	0.614061	1.53056
Fam134c	BC016089	0.000946	8.73579	9.20584	8.59218	1.53014	0.613662	1.53014
Kdm5c	NM_013668	0.001493	7.75041	8.58142	7.96776	1.53013	0.613656	1.53013
	---	0.000335	11.4264	9.15881	8.54534	1.52993	0.613465	1.52993
	---	4.26E-05	19.2901	11.9604	11.3471	1.52968	0.613226	1.52968
Atp5g2	NM_026468	0.001623	7.5813	10.9729	10.3601	1.5292	0.612779	1.5292
Smurf1	NM_001038627	0.005143	5.5541	8.12929	7.51666	1.52905	0.612635	1.52905
	---	0.001572	7.64561	9.87877	9.26644	1.52873	0.612332	1.52873
Wdr59	NM_001170743	0.000754	9.26796	7.96137	7.34954	1.52819	0.611828	1.52819
Vrk2	NM_027260	0.005691	5.40023	7.32309	6.7114	1.52805	0.61169	1.52805
Wdfy1	NM_001111279	0.002061	7.116	8.05277	7.44189	1.52719	0.610881	1.52719
Ngrn	NR_028053	0.000192	13.165	7.60165	6.99099	1.52696	0.610661	1.52696
Fgd2	NM_001159538	0.00597	5.3287	6.38351	5.77336	1.52642	0.61015	1.52642
Rap2b	NM_028712	0.005823	5.36609	8.43326	7.82328	1.52623	0.609977	1.52623
Cant1	NM_029502	0.002937	6.4719	7.49402	6.88411	1.52616	0.609905	1.52616
Git2	NM_019834	0.002648	6.65467	7.98419	7.37476	1.52565	0.609426	1.52565
Mikl	NM_029005	0.001185	8.23709	8.45303	7.84362	1.52563	0.609403	1.52563
Cd9	NM_007657	0.002722	6.60541	11.7469	11.1375	1.52563	0.609402	1.52563
Gpi1	NM_008155	0.001773	7.40677	11.111	10.5019	1.52536	0.609153	1.52536
Shroom4	NM_001040459	0.004804	5.65958	5.51228	4.90317	1.52532	0.609107	1.52532
1700021K19Rik	NM_172615	0.004094	5.91374	7.6092	7.00014	1.52527	0.609065	1.52527
	---	0.000565	9.98486	9.42171	8.81277	1.52514	0.608942	1.52514
Myo1d	NM_177390	0.006767	5.14513	8.05322	7.44458	1.52482	0.608635	1.52482
Dnajb1	NM_018808	0.004767	5.6717	8.38172	7.77339	1.5245	0.608333	1.5245

	---	0.000174	13.51	11.5715	10.9636	1.52402	0.607885	1.52402
Tomm22	NM_172609	0.000522	10.1908	8.24323	7.6361	1.52322	0.607124	1.52322
Mgea5	NM_023799	0.000881	8.89878	8.85401	8.24691	1.5232	0.607102	1.5232
D430042O09Rik	BC158019	0.00036	11.2139	7.05362	6.4467	1.523	0.606916	1.523
Taok3	NM_001081308	0.000207	12.9267	7.72287	7.11599	1.52297	0.606884	1.52297
Heatr6	NM_145432	5.99E-05	17.6993	8.16326	7.55673	1.52259	0.606525	1.52259
Acp6	NM_019800	0.000813	9.08766	8.13198	7.52705	1.5209	0.604927	1.5209
Necap1	NM_026267	0.002651	6.65271	8.984	8.37957	1.52038	0.604431	1.52038
Nup50	NM_016714	0.001257	8.10901	9.19285	8.58863	1.52015	0.60421	1.52015
Gls2	NM_001033264	0.005963	5.33061	5.45163	4.84745	1.52011	0.604179	1.52011
Gtf3c2	NM_027901	0.001618	7.58767	8.97421	8.37011	1.52004	0.604109	1.52004
Csnk2a1	NM_007788	7.26E-06	30.1006	10.2667	9.66274	1.51991	0.603988	1.51991
Sipa1l3	NM_001081028	5.05E-05	18.4778	7.36277	6.75921	1.51947	0.603566	1.51947
Chfr	NM_172717	0.005642	5.41325	8.03343	7.42988	1.51945	0.603548	1.51945
	---	0.001193	8.22147	7.107	6.50358	1.51932	0.603422	1.51932
Stub1	NM_019719	0.001171	8.26176	9.67338	9.07001	1.51926	0.603373	1.51926
Camk2b	NM_007595	0.003387	6.22685	5.92917	5.32581	1.51925	0.603358	1.51925
Suv420h2	NM_146177	0.002633	6.66473	7.65126	7.04792	1.51923	0.603337	1.51923
Csnk2a1	NM_007788	1.62E-05	24.6136	10.506	9.90308	1.51874	0.602879	1.51874
Srsf1	NM_173374	0.001247	8.1275	10.5441	9.94185	1.51811	0.602281	1.51811
Coq9	NM_026452	0.000694	9.47018	8.94349	8.34167	1.51764	0.601826	1.51764
Pmvk	NM_026784	0.004227	5.86204	6.29366	5.69256	1.51687	0.601094	1.51687
Caprin1	NM_016739	0.00023	12.582	10.8581	10.2571	1.51676	0.600996	1.51676
Gbgt1	NM_139197	0.00513	5.55809	4.73149	4.13067	1.51658	0.60082	1.51658
Zfp335	NM_199027	0.000445	10.6198	6.99532	6.39453	1.51655	0.60079	1.51655
Cmas	NM_009908	0.001276	8.07852	8.92624	8.3257	1.51628	0.600541	1.51628
Cytip1	NM_001164661	0.000955	8.71485	9.22248	8.62206	1.51616	0.600421	1.51616
Abcf1	NM_013854	0.003905	5.99073	8.99615	8.39583	1.51606	0.600325	1.51606
Psmc5	NM_008950	0.004089	5.91554	9.85821	9.25843	1.51548	0.599779	1.51548
Cox8a	NM_007750	0.0011	8.39831	10.0698	9.47009	1.51538	0.599676	1.51538
	---	0.0009	8.84907	5.28151	4.68191	1.5153	0.5996	1.5153

Cideb	NM_009894	0.002801	6.5552	5.43207	4.83267	1.51509	0.599403	1.51509
Palm	NM_023128	0.006777	5.14306	7.59382	6.99449	1.51501	0.59933	1.51501
4632404H12Rik	ENSMUST0000003845							
	0	0.001515	7.72112	5.40195	4.80263	1.515	0.599318	1.515
	---	0.000361	11.208	9.44349	8.84554	1.51356	0.597943	1.51356
Kdm2a	NM_001001984	0.000169	13.5981	8.95946	8.36153	1.51354	0.597923	1.51354
Lmln	NM_172823	6.27E-05	17.4904	5.62355	5.02593	1.51322	0.597619	1.51322
	---	0.000687	9.49262	11.8381	11.2406	1.5131	0.597506	1.5131
Dstyk	NM_172516	0.001371	7.9271	8.62193	8.02508	1.51241	0.59685	1.51241
Anln	NM_028390	0.000499	10.312	5.1433	4.54656	1.5123	0.596741	1.5123
Nudt13	NM_026341	0.000491	10.3536	7.63165	7.03493	1.51227	0.596715	1.51227
Eif2c2	NM_153178	0.000545	10.0815	8.37805	7.78186	1.51172	0.596193	1.51172
Tuba1b	NM_011654	0.006583	5.18512	12.237	11.6409	1.51162	0.596098	1.51162
Ttc27	NM_152817	0.001857	7.31573	8.12861	7.53319	1.51091	0.595415	1.51091
Ccl17	NM_011332	0.000172	13.5389	5.19051	4.59569	1.51028	0.59482	1.51028
Atp11a	NM_015804	0.001308	8.02604	8.73489	8.14034	1.51	0.59455	1.51
Osbpl9	NM_133885	0.001032	8.53912	9.72445	9.13001	1.50989	0.594443	1.50989
	---	0.000259	12.1955	8.23311	7.63868	1.50988	0.59443	1.50988
Otud4	NM_001081164	0.005088	5.57073	9.22752	8.63326	1.5097	0.594267	1.5097
5730455P16Rik	NM_027472	0.00263	6.66686	8.37592	7.78242	1.50891	0.593503	1.50891
Atrn	NM_009730	0.001084	8.43028	8.29751	7.70449	1.5084	0.593017	1.5084
Prcc	NM_033573	0.001525	7.70724	8.61778	8.02483	1.50833	0.592955	1.50833
	---	0.000672	9.54683	10.6578	10.0651	1.50803	0.592663	1.50803
Phkb	NM_199446	0.002095	7.08491	9.0497	8.45726	1.5078	0.592441	1.5078
Bat1a	NM_019693	0.005555	5.43681	10.0437	9.45142	1.50766	0.592313	1.50766
Lars2	NM_153168	0.002245	6.95596	7.29929	6.70705	1.50758	0.592239	1.50758
Mrpl51	NM_025595	0.002665	6.64307	9.37049	8.7783	1.50753	0.592186	1.50753
Upf1	NM_001122829	0.000756	9.26152	8.36412	7.77236	1.50709	0.591762	1.50709
Sfmbt2	NM_177386	0.007005	5.09535	5.06876	4.4776	1.50646	0.591163	1.50646
Bbx	NM_027444	0.006326	5.24333	7.96178	7.37106	1.506	0.590719	1.506
Ppip5k2	NM_173760	0.005049	5.58239	8.41561	7.82502	1.50586	0.590592	1.50586

Mat2a	NM_145569	0.00021	12.8775	11.3805	10.7901	1.50571	0.590441	1.50571
	---	0.001134	8.33111	7.4808	6.89094	1.50511	0.589869	1.50511
Eml6	NM_146016	4.18E-05	19.3744	6.24501	5.65546	1.50478	0.58955	1.50478
Dot1l	NM_199322	0.003472	6.18511	6.96773	6.37823	1.50472	0.589499	1.50472
Calcoco2	NM_029755	0.003318	6.2618	4.74658	4.15722	1.50457	0.589354	1.50457
Tubb2b	NM_023716	0.003548	6.14923	6.9356	6.34648	1.50432	0.589113	1.50432
	---	0.002491	6.76513	8.4092	7.82025	1.50415	0.58895	1.50415
	---	0.004153	5.89052	7.76295	7.17402	1.50414	0.588935	1.50414
Leng8	NM_172736	0.000355	11.2524	8.08733	7.49862	1.5039	0.588712	1.5039
Pck2	NM_028994	0.00655	5.19252	8.63178	8.04334	1.50362	0.588441	1.50362
	---	0.002653	6.65134	11.5159	10.9275	1.50355	0.588374	1.50355
C030016D13Rik	NR_027987	0.004093	5.91422	4.41424	3.82718	1.50218	0.587058	1.50218
Gnaq	NM_008139	6.20E-05	17.5409	8.82298	8.23618	1.50192	0.586804	1.50192
Taco1	NM_027346	0.001249	8.12332	7.44594	6.85929	1.50176	0.58665	1.50176
	---	0.00642	5.2216	10.1395	9.55365	1.50095	0.585878	1.50095
Mtfr1	NM_026182	0.003162	6.34394	8.32474	7.73891	1.5009	0.585828	1.5009
Zbed4	NM_181412	0.001483	7.76514	6.58934	6.00356	1.50085	0.585784	1.50085
Hlrf	NM_009210	0.002122	7.06105	7.92995	7.34477	1.50023	0.585181	1.50023
2310039H08Rik	NM_025966	0.002177	7.01323	7.95169	7.36694	1.49977	0.584744	1.49977
Spna2	NM_001076554	0.000777	9.19626	10.2202	9.63579	1.49941	0.584399	1.49941
Btbd10	NM_133700	0.006968	5.10306	7.37373	6.7903	1.49841	0.583434	1.49841
Cenpj	NM_001014996	0.003001	6.43403	6.22711	5.64423	1.49783	0.582872	1.49783
Fblim1	NM_133754	0.004966	5.60824	6.78647	6.2043	1.49709	0.58216	1.49709
Wwp2	NM_025830	0.00279	6.56203	7.71464	7.13316	1.49638	0.581477	1.49638
Shkbp1	NM_138676	0.001669	7.52631	7.04613	6.46489	1.49614	0.581243	1.49614
Glrp1	NM_008132	0.000998	8.61495	4.71913	4.13807	1.49595	0.581059	1.49595
Tmem188	NM_029074	0.000264	12.1369	9.28382	8.70365	1.49503	0.580173	1.49503
Atp6v0c	NM_009729	0.002043	7.13274	11.1684	10.5885	1.49477	0.579928	1.49477
Psm3	NM_009439	0.000352	11.2784	8.48951	7.90962	1.49474	0.579895	1.49474
Phrf1	NM_001081118	0.001531	7.69987	8.26048	7.6807	1.49462	0.579775	1.49462
	---	0.001804	7.37267	4.66384	4.08414	1.49454	0.579698	1.49454

Ccdc47	NM_026009	9.30E-05	15.8339	10.028	9.44858	1.49423	0.579403	1.49423
Riok2	NM_025934	0.003378	6.23155	9.09922	8.52003	1.49401	0.579193	1.49401
N4bp2l2	NM_201369 ENSMUST0000003708	0.001656	7.54123	8.27275	7.69397	1.49359	0.578782	1.49359
Fer1l6	6	0.003282	6.2802	4.54273	3.96446	1.49305	0.578265	1.49305
Brsk1	NM_001003920	0.002169	7.01998	7.33751	6.75961	1.49267	0.577899	1.49267
Trim24	NM_145076	0.001053	8.49407	7.88253	7.30479	1.4925	0.577734	1.4925
Ube3a	NM_011668	0.00564	5.41383	8.9763	8.39917	1.49188	0.577128	1.49188
Arl2	NM_019722	0.00558	5.4299	9.35721	8.78017	1.49178	0.577037	1.49178
Mars	NM_001171582	0.003225	6.31052	9.54184	8.96567	1.49089	0.576178	1.49089
Cpsf7	NM_172302	0.000412	10.8301	7.75646	7.18065	1.49051	0.575803	1.49051
	---	0.000359	11.2228	12.7235	12.1483	1.48988	0.575192	1.48988
D030016E14Rik	NM_177240	0.004249	5.85386	8.20078	7.62567	1.48979	0.57511	1.48979
Med30	NM_027212	0.001051	8.50013	6.59895	6.02401	1.48961	0.574937	1.48961
Phb	NM_008831	9.83E-05	15.6122	9.96679	9.39233	1.48912	0.574459	1.48912
Pnpt1	NM_027869	0.003202	6.32239	8.85049	8.27608	1.48908	0.574417	1.48908
Hdgfrp2	NM_008233	0.002999	6.43524	7.89153	7.31745	1.48873	0.57408	1.48873
Tns4	NM_172564	0.00211	7.07128	5.50875	4.93469	1.48871	0.57406	1.48871
Cpsf6	NM_001013391	0.002979	6.44693	8.54123	7.9675	1.48836	0.573724	1.48836
Nipsnap1	NM_008698	0.000902	8.84446	7.2837	6.71017	1.48816	0.573525	1.48816
Ccdc66	NM_177111	0.006645	5.17145	7.04588	6.47325	1.48724	0.572633	1.48724
Slc35f3	NM_175434	1.84E-05	23.815	5.58099	5.00883	1.48675	0.572162	1.48675
Npepps	NM_008942	0.00018	13.379	9.68561	9.11471	1.48545	0.570899	1.48545
Al846148	NM_001033139	0.006826	5.13271	6.6943	6.12365	1.4852	0.570655	1.4852
Tpst2	NM_009419	0.002713	6.61148	8.18776	7.61795	1.48433	0.569812	1.48433
Ccdc123	NM_028120	0.003291	6.27571	6.4246	5.85486	1.48425	0.569735	1.48425
Zfp84	NM_023750	0.001427	7.84361	7.55746	6.98787	1.48411	0.569598	1.48411
	---	0.002041	7.13484	9.50385	8.93439	1.48397	0.569462	1.48397
Fam199x	NM_146261	0.005167	5.54685	6.70045	6.13172	1.48322	0.568729	1.48322
Gemin6	NM_026053	0.002553	6.72011	7.06514	6.49653	1.4831	0.568612	1.4831
Gin1	NM_026250	0.006645	5.1715	6.28762	5.71922	1.48288	0.568399	1.48288

Cltc	NM_001003908	0.001878	7.29381	11.572	11.0045	1.48198	0.567523	1.48198
Zfp68	NM_013844	0.005685	5.40199	8.809	8.24149	1.48195	0.567501	1.48195
	---	0.000991	8.63051	10.3873	9.81979	1.48192	0.567466	1.48192
Htt	NM_010414	0.001109	8.37979	7.3195	6.75207	1.48188	0.567429	1.48188
Ints3	NM_145540	0.000459	10.5349	8.47822	7.91131	1.48134	0.566907	1.48134
	---	0.002365	6.85978	7.15262	6.58572	1.48134	0.566901	1.48134
Ergic1	NM_026170	0.003899	5.99322	10.2993	9.73247	1.48122	0.566789	1.48122
Nudcd3	NM_173748	0.004156	5.88925	8.69171	8.12501	1.48114	0.566704	1.48114
	---	0.001437	7.82952	9.59834	9.0321	1.48065	0.566231	1.48065
	---	0.004965	5.60857	10.1003	9.53418	1.48056	0.56614	1.48056
Cwc25	NM_026186	0.002724	6.60454	6.87198	6.30592	1.48047	0.566058	1.48047
Pdcd11	NM_011053	0.001353	7.95506	8.43815	7.87233	1.48023	0.565818	1.48023
Pam	NM_013626	0.003117	6.36868	10.307	9.74136	1.48006	0.565659	1.48006
	ENSMUST0000009789							
Gm10572	4	0.000267	12.1046	5.50645	4.94174	1.47909	0.564709	1.47909
Otud1	NM_027715	0.000529	10.1568	5.98667	5.4227	1.47834	0.563975	1.47834
Plxna1	NM_008881	0.002234	6.96492	8.99776	8.43411	1.47801	0.563652	1.47801
Rbm15	NM_001045807	0.005414	5.47558	7.67351	7.10999	1.47788	0.563525	1.47788
Bptf	NM_176850	0.004221	5.86458	7.91362	7.35099	1.47695	0.562623	1.47695
Ube2k	NM_016786	2.40E-05	22.2811	9.7739	9.21206	1.47614	0.561833	1.47614
Dpp9	NM_172624	0.002141	7.0439	7.93545	7.37378	1.47599	0.561678	1.47599
Trp53inp2	NM_178111	0.000745	9.29625	7.57149	7.01004	1.47575	0.561446	1.47575
Ap1b1	NM_007454	0.000459	10.5361	9.26563	8.70459	1.47533	0.561039	1.47533
4632411B12Rik	BC132293	0.000423	10.7584	8.53029	7.96953	1.47505	0.56076	1.47505
	---	0.004076	5.92088	8.80994	8.25001	1.47421	0.559937	1.47421
Rprd1b	NM_027434	6.07E-05	17.6379	7.85121	7.29154	1.47394	0.559673	1.47394
Trmt1	NM_198020	0.000883	8.89516	9.0466	8.48711	1.47375	0.559487	1.47375
	---	0.005087	5.57083	10.5871	10.0281	1.47324	0.55899	1.47324
Eif1	NM_011508	0.0039	5.99249	11.6535	11.0947	1.47305	0.558803	1.47305
Srpk1	NM_016795	0.002267	6.93739	9.33679	8.77812	1.47292	0.558676	1.47292
Ddb1	NM_015735	0.001904	7.26809	11.6391	11.0808	1.47253	0.558295	1.47253

	ENSMUST0000009811							
AA474408	0	0.004066	5.92466	6.20237	5.64426	1.47233	0.5581	1.47233
Raf1	NM_029780	0.000905	8.83656	10.1478	9.58967	1.47232	0.55809	1.47232
Hps1	NM_019424	0.00017	13.5801	7.37249	6.81459	1.47212	0.557898	1.47212
Nsmce4a	NM_001162855	0.003303	6.26942	8.33811	7.78025	1.47208	0.557858	1.47208
Ube3c	NM_133907	0.002614	6.67777	9.4869	8.92929	1.47184	0.557617	1.47184
Scn3a	NM_018732	0.003078	6.39056	4.98765	4.43046	1.4714	0.557194	1.4714
	---	0.002585	6.69791	9.87906	9.3233	1.46995	0.555766	1.46995
Noc3l	NM_021315	0.00134	7.97395	8.57924	8.02358	1.46984	0.55566	1.46984
Gga3	NM_173048	0.001526	7.70612	7.14987	6.59454	1.46951	0.555331	1.46951
Ppia	NM_008907	0.001133	8.33313	12.4942	11.9392	1.46923	0.555062	1.46923
Klf8	NM_173780	0.002604	6.68461	4.54618	3.99114	1.4692	0.555036	1.4692
Sympk	NM_026605	0.000603	9.82016	9.02848	8.47363	1.46902	0.55485	1.46902
1300010F03Rik	NM_027906	0.005898	5.34695	7.8055	7.2511	1.46856	0.554402	1.46856
Atp6v0c	NM_009729	0.003794	6.03797	11.3327	10.7783	1.46852	0.55436	1.46852
Atf7	NM_146065	0.00095	8.72542	9.53204	8.97784	1.46836	0.554207	1.46836
Rab11fip3	NM_001162869	0.002271	6.93455	7.21387	6.66024	1.46778	0.553634	1.46778
Cstad	NM_030137	0.004562	5.74084	5.04773	4.49507	1.46679	0.552666	1.46679
Ccdc101	NM_029339	0.00509	5.57018	7.16685	6.61504	1.46592	0.551809	1.46592
0610038B21Rik	NR_028125	0.001277	8.07656	5.75995	5.20821	1.46585	0.551741	1.46585
Apoa1bp	NM_144897	0.005399	5.47994	8.99761	8.44616	1.46556	0.55145	1.46556
Usp39	NM_138592	0.004843	5.64697	9.22989	8.67868	1.46532	0.551213	1.46532
H3f3b	NM_008211	3.74E-05	19.9312	11.4787	10.9277	1.46513	0.551026	1.46513
Cstf3	NM_145529	0.004055	5.92936	7.15029	6.59936	1.46503	0.55093	1.46503
Pigo	NM_020035	8.28E-05	16.3041	6.762	6.212	1.46409	0.55	1.46409
Hist1h2be	NM_001177653	0.00143	7.83932	6.51067	5.96071	1.46404	0.549953	1.46404
Top3a	NM_009410	0.003625	6.11326	7.15317	6.60337	1.46388	0.549802	1.46388
Eif4ebp1	NM_007918	0.00196	7.21211	9.12664	8.57686	1.46386	0.549779	1.46386
Bub3	NM_009774	0.001457	7.80027	10.0608	9.5112	1.46367	0.54959	1.46367
Jmjd6	NM_033398	0.0035	6.17177	7.98027	7.43095	1.4634	0.549326	1.4634
	---	0.002089	7.09023	5.43484	4.88552	1.4634	0.54932	1.4634

Tmem184b	NM_172608	0.004814	5.65633	9.18822	8.6391	1.46319	0.549121	1.46319
Fam173a	BC096050	0.0062	5.27282	8.55292	8.00421	1.46278	0.548715	1.46278
Gm8995	AK172683	0.004051	5.93065	4.34063	3.79219	1.4625	0.548439	1.4625
Nudt22	NM_026675	0.002907	6.48981	7.81272	7.26453	1.46225	0.548191	1.46225
2810046L04Rik	NM_173382	0.000494	10.3361	7.283	6.73507	1.46199	0.547933	1.46199
Cstf1	NM_024199	0.000398	10.9315	8.06925	7.52188	1.46142	0.547367	1.46142
	---	0.000263	12.1584	12.0462	11.4989	1.46134	0.547292	1.46134
Plekhm2	NM_001033150	0.001596	7.61485	7.09466	6.54737	1.46133	0.547284	1.46133
Nudt4	NM_027722	5.52E-06	32.2348	10.969	10.4219	1.46115	0.547104	1.46115
Gnaz	NM_010311	0.004241	5.85691	5.27965	4.73282	1.46087	0.546828	1.46087
Ikzf5	NM_175115	0.005915	5.34265	8.74796	8.20127	1.46073	0.546692	1.46073
Nsfl1c	NM_198326	0.002466	6.78336	9.27844	8.73268	1.45979	0.545759	1.45979
Vps18	NM_172269	0.001873	7.29974	7.69847	7.15361	1.45888	0.544863	1.45888
Mil2	NM_001033276	0.001576	7.64105	6.71334	6.16877	1.45858	0.544568	1.45858
Hps4	NM_138646	0.00311	6.37282	7.56427	7.02003	1.45826	0.544248	1.45826
Aplf	NM_001170489	0.000196	13.1061	6.48998	5.94577	1.45822	0.544206	1.45822
Etfdh	NM_025794	0.004349	5.81669	9.65482	9.11102	1.45781	0.543801	1.45781
Rbck1	NM_019705	1.01E-05	27.7043	8.18851	7.64516	1.45735	0.543348	1.45735
Cnm3	NM_001039551	0.000388	10.9976	6.75493	6.2116	1.45734	0.543335	1.45734
Lrrfip1	NM_008515	0.002884	6.50338	7.20348	6.6608	1.45668	0.542683	1.45668
Elk4	NM_007923	0.002141	7.04439	7.5623	7.01967	1.45662	0.542628	1.45662
Atp6v0a1	NM_016920	0.000596	9.84836	8.45403	7.91148	1.45654	0.542546	1.45654
Sart1	NM_016882	0.004361	5.8123	7.76674	7.22428	1.45646	0.542467	1.45646
Gpr172b	NM_029643	0.001566	7.65384	7.09097	6.54872	1.45625	0.542255	1.45625
Stk35	NM_183262	0.001272	8.08525	8.02663	7.4846	1.45602	0.542033	1.45602
Ndufa10	NM_024197	0.000926	8.78443	9.85551	9.31388	1.45562	0.54163	1.45562
Pcyt2	NM_024229	0.006164	5.28159	7.39977	6.85833	1.45542	0.541434	1.45542
	---	0.001871	7.30151	8.89896	8.35779	1.45514	0.541163	1.45514
Pvr	NM_027514	0.005676	5.40426	9.60174	9.06069	1.45503	0.541052	1.45503
Chac2	NM_026527	0.002248	6.95328	5.97668	5.43585	1.45482	0.540836	1.45482
Pes1	NM_022889	0.000546	10.0761	9.34038	8.7996	1.45476	0.540786	1.45476

Atp5g2	NM_026468	0.001033	8.53671	10.6118	10.0713	1.45447	0.540495	1.45447
	---	0.001664	7.53214	5.47147	4.93115	1.45429	0.540314	1.45429
	---	0.005658	5.40914	6.53878	5.99889	1.45386	0.539884	1.45386
Sap130	NM_172965	0.006107	5.2952	7.98063	7.44088	1.45372	0.539752	1.45372
Plac1	NM_019538	0.004122	5.90281	4.36393	3.82477	1.45312	0.539158	1.45312
Uqcrc2	NM_025899	2.34E-05	22.4274	10.6184	10.0793	1.45307	0.539102	1.45307
Eif5a2	NM_177586	0.003692	6.08277	7.29805	6.75944	1.45257	0.538603	1.45257
Fam120b	NR_033586	0.006721	5.15496	7.55257	7.01424	1.45229	0.538326	1.45229
Pld4	NM_178911	0.005908	5.34423	4.51682	3.97977	1.451	0.53705	1.451
Dmwd	NM_010058	0.000692	9.47427	7.27504	6.73859	1.45041	0.536459	1.45041
Itrip	NM_001001738	0.006543	5.19398	6.2126	5.67618	1.45036	0.536413	1.45036
Flii	NM_022009	0.000718	9.38719	9.39349	8.85735	1.45008	0.536136	1.45008
Casc3	NM_138660	0.000347	11.3219	7.35133	6.81572	1.44955	0.535607	1.44955
F630110N24Rik	BC119790	0.003288	6.27707	7.10006	6.56462	1.44939	0.535444	1.44939
Tars2	NM_027931	0.002606	6.6831	8.01157	7.47711	1.4484	0.534459	1.4484
Timm22	NM_019818	0.005297	5.50882	7.55194	7.01794	1.44794	0.534002	1.44794
Aldoa	NM_001177307	0.003208	6.31907	12.1066	11.5726	1.44792	0.533982	1.44792
Psmc4	NM_011874	0.002684	6.63065	9.08221	8.549	1.44715	0.533212	1.44715
Dcaf13	NM_198606	0.00053	10.1512	9.27558	8.74241	1.44711	0.533177	1.44711
Timm50	NM_025616	0.002104	7.07693	7.67742	7.14465	1.44671	0.532775	1.44671
Acox1	NM_015729	0.003053	6.40438	9.49988	8.96726	1.44655	0.532614	1.44655
	---	0.000245	12.3788	9.65279	9.1203	1.44643	0.532496	1.44643
Mvk	NM_023556	0.000291	11.8473	7.02837	6.49616	1.44614	0.532206	1.44614
	---	0.001832	7.34286	9.29976	8.76763	1.44606	0.53213	1.44606
Ddx54	NM_028041	0.001144	8.31176	8.36377	7.83193	1.44577	0.531842	1.44577
Adar	NM_001038587	0.000993	8.62509	7.71017	7.1786	1.4455	0.531569	1.4455
Slc25a26	NM_026255	0.005459	5.46299	7.26956	6.73807	1.44542	0.531489	1.44542
Smpd1	NM_011421	0.002124	7.05953	9.48297	8.95154	1.44536	0.531432	1.44536
Cep152	NM_001081091	0.004459	5.77703	5.63585	5.10445	1.44533	0.531401	1.44533
Rnf139	NM_175226	0.000691	9.47981	8.74354	8.21251	1.44496	0.53103	1.44496
Mast3	NM_199308	0.000733	9.33539	6.76927	6.23839	1.44481	0.53088	1.44481

9130401M01Rik	BC050895	0.003766	6.04991	8.12003	7.58918	1.44478	0.530854	1.44478
Fam40a	NM_153563	0.002702	6.6189	8.30223	7.77176	1.4444	0.530467	1.4444
Calcb	NM_054084	0.001281	8.07018	5.0202	4.48993	1.4442	0.530271	1.4442
Trove2	NM_013835	0.004531	5.75153	8.76887	8.23869	1.44411	0.530178	1.44411
Gzf1	NM_028986	0.003265	6.28941	8.11241	7.58225	1.44409	0.530164	1.44409
Arfgef1	NM_001102430	0.001568	7.65076	8.95967	8.42957	1.44403	0.530097	1.44403
Ciao1	NM_025296	0.006537	5.19529	8.72713	8.19735	1.44371	0.529782	1.44371
Pigg	NM_001081234	0.000317	11.5877	8.02531	7.49556	1.44368	0.529754	1.44368
Ogfod1	NM_177767	0.000715	9.39675	8.00063	7.47094	1.44362	0.52969	1.44362
Usp15	NM_027604	0.0022	6.99332	8.88132	8.35175	1.4435	0.529571	1.4435
Poll	NM_020032	0.003242	6.30107	5.99589	5.46634	1.44348	0.529554	1.44348
Farsa	NM_025648	0.00021	12.8743	8.01498	7.48554	1.44337	0.529442	1.44337
Dlg4	NM_007864	0.001412	7.8661	8.31732	7.78838	1.44286	0.528936	1.44286
Kirrel3	NM_001190911	0.000126	14.649	5.41291	4.88411	1.44274	0.528808	1.44274
Mrps23	NM_024174	0.001126	8.3471	8.80211	8.27357	1.44247	0.528541	1.44247
Tbc1d22b	NM_198647	0.002751	6.58698	6.69444	6.16607	1.44229	0.528363	1.44229
Mll2	NM_001033276	0.006145	5.28591	7.23433	6.70637	1.44189	0.52796	1.44189
Galk1	NM_016905	0.000257	12.2252	7.8488	7.32146	1.44127	0.527336	1.44127
Depdc5	NM_001025426	0.000295	11.8066	6.91468	6.38803	1.44058	0.526648	1.44058
Gipc1	NM_018771	0.000818	9.07388	8.42789	7.90125	1.44058	0.526645	1.44058
Fbxo7	NM_153195	0.003451	6.19537	7.83633	7.31015	1.44011	0.526182	1.44011
Ubr5	NM_001081359	0.003464	6.18916	9.92085	9.39476	1.44002	0.526093	1.44002
Eny2	NM_175009	0.004467	5.7741	9.51403	8.98839	1.43957	0.52564	1.43957
Csrp2bp	NM_181417	0.001639	7.5626	8.0421	7.51659	1.43943	0.525502	1.43943
Wdr43	NM_175639	0.006404	5.22528	9.74221	9.21694	1.4392	0.52527	1.4392
Ppargc1a	NR_027710	0.003238	6.30319	4.79276	4.26755	1.43915	0.525219	1.43915
Bicd2	NM_001039179	0.001603	7.60665	7.64139	7.1164	1.43892	0.52499	1.43892
Mrpl44	NM_001081210	0.006134	5.28864	7.03688	6.5123	1.43851	0.52458	1.43851
Tmem57	NM_025382	0.0007	9.44664	8.38205	7.85752	1.43846	0.524525	1.43846
Cct6a	NM_009838	0.006255	5.25993	10.1196	9.5952	1.43834	0.524406	1.43834
Gclm	NM_008129	0.004468	5.77354	8.94054	8.41636	1.43812	0.524186	1.43812

Luc7l	NM_028190	0.004743	5.67979	8.62132	8.09768	1.43758	0.523641	1.43758
Rnps1	NM_009070	0.003328	6.25686	9.36032	8.83682	1.43745	0.523507	1.43745
Atf7ip	NM_019426	0.000638	9.6761	9.64686	9.12367	1.43712	0.523183	1.43712
Ndufv1	NM_133666	0.000866	8.93844	9.57453	9.05156	1.43692	0.522976	1.43692
	---	0.000548	10.0651	12.3648	11.8418	1.43689	0.522951	1.43689
Atf3	NM_146091	0.000258	12.2155	10.5439	10.0216	1.43629	0.522349	1.43629
	---	0.004547	5.74583	10.1798	9.65752	1.43619	0.522243	1.43619
	---	0.004899	5.62922	9.81908	9.2969	1.43613	0.522182	1.43613
Foxp4	NM_001110824	0.001466	7.78816	6.88167	6.36013	1.43548	0.521538	1.43548
	---	0.000163	13.7295	12.1332	11.6118	1.43534	0.521388	1.43534
Mrps5	NM_029963	0.002103	7.07836	7.46072	6.9402	1.43447	0.520522	1.43447
Wdr81	NM_138950	0.003292	6.27516	7.4899	6.97097	1.43289	0.518933	1.43289
Wdtdc1	NM_199306	0.002983	6.44462	7.16432	6.64568	1.43261	0.518646	1.43261
	---	0.003052	6.40495	11.6101	11.0916	1.43252	0.518551	1.43252
Ppp1r13l	NM_001010836	0.004883	5.63443	6.26233	5.7441	1.4322	0.518231	1.4322
Unk	NM_172569	0.000607	9.80308	7.31978	6.80158	1.43216	0.518195	1.43216
Casp8	NM_009812	0.002264	6.93979	8.76309	8.24515	1.43191	0.517942	1.43191
Tmem85	NM_026519	0.003887	5.99799	9.8616	9.34377	1.43181	0.517837	1.43181
	---	0.000672	9.54788	6.18045	5.66275	1.43167	0.517695	1.43167
Ccdc13	NM_028384	0.00547	5.45994	5.27895	4.76205	1.43088	0.516902	1.43088
Tsku	NM_001168541	0.000732	9.33802	7.36309	6.84651	1.43057	0.516586	1.43057
H3f3b	NM_008211	0.002447	6.79749	11.8308	11.3147	1.43008	0.516091	1.43008
Xrcc1	NM_009532	0.005396	5.4806	7.20207	6.68605	1.43	0.516013	1.43
	---	0.007039	5.08854	3.33535	2.81943	1.42991	0.51592	1.42991
Cisd1	BC013522	0.002743	6.59183	5.98598	5.47137	1.42861	0.514611	1.42861
Mafg	NM_010756	0.002509	6.75146	8.42094	7.90646	1.42848	0.514481	1.42848
Clptm1	NM_019649	0.000525	10.1765	10.1902	9.6758	1.42838	0.514379	1.42838
Klhl7	NM_026448	0.005924	5.3402	8.75204	8.23829	1.42776	0.513751	1.42776
Vmn2r43	NM_198961	0.001003	8.60455	3.84029	3.32687	1.42743	0.513421	1.42743
Smarcad1	NM_007958	0.004771	5.67037	9.1253	8.61196	1.42735	0.51334	1.42735
	---	0.00219	7.00214	9.49065	8.9778	1.42686	0.512848	1.42686

Pcdh10	NM_001098171	0.001651	7.54753	4.67638	4.16357	1.42682	0.512806	1.42682
Samm50	NM_178614	0.001262	8.101	8.66375	8.15095	1.42682	0.512803	1.42682
Tug1	NR_002321	0.005058	5.57989	10.1268	9.61514	1.42572	0.511695	1.42572
Ccdc97	NM_028771	0.000335	11.4196	7.42374	6.9121	1.42567	0.51164	1.42567
Tubgcp4	NM_153387	0.003458	6.1922	7.99414	7.48256	1.42561	0.511576	1.42561
Prmt6	NM_178891	0.001714	7.47265	6.70654	6.19515	1.42542	0.511389	1.42542
Mrgpre	NM_175534	0.001442	7.82171	5.69266	5.1813	1.4254	0.511368	1.4254
	---	0.002439	6.8033	9.73222	9.22086	1.42539	0.511354	1.42539
Mrpl16	NM_025606	0.004487	5.76695	7.70253	7.19168	1.42489	0.510852	1.42489
Ipo11	NM_029665	0.000812	9.0917	8.63049	8.11977	1.42476	0.510722	1.42476
Msh6	NM_010830	0.006347	5.23846	7.46296	6.95356	1.42347	0.509408	1.42347
	---	0.003065	6.39797	9.16964	8.66025	1.42345	0.509392	1.42345
Trappc9	NM_180662	0.002155	7.03206	7.67991	7.17074	1.42322	0.509162	1.42322
Sbno1	NM_001081203	0.003147	6.35213	9.20276	8.69372	1.42311	0.509043	1.42311
Eri1	NM_026067	0.000514	10.2325	8.30344	7.79485	1.42266	0.508591	1.42266
Pnpla6	NM_001122818	0.002204	6.99011	7.8522	7.34394	1.42234	0.508264	1.42234
Uba2	NM_016682	0.002172	7.0169	9.50313	8.99546	1.42175	0.507667	1.42175
4933407H18Rik	NM_001081101	0.000107	15.2929	6.9268	6.41949	1.4214	0.507315	1.4214
Eif3d	NM_018749	0.005227	5.52919	9.95156	9.44432	1.42132	0.507234	1.42132
Mlx	NM_011550	0.004429	5.78776	8.42681	7.92005	1.42085	0.506752	1.42085
Dnajc5	NM_016775	0.00355	6.14825	8.8182	8.31151	1.42078	0.506687	1.42078
Spats2	NM_139140	0.000961	8.69901	9.10133	8.59471	1.42072	0.506618	1.42072
Ankrd40	NM_027799	0.002374	6.85218	8.61667	8.11009	1.42068	0.506585	1.42068
Btbd2	NM_145361	0.00052	10.201	8.03788	7.53178	1.4202	0.506095	1.4202
Fastkd5	NM_198176	0.002447	6.7972	6.96759	6.46167	1.42003	0.50592	1.42003
Timm17a	NM_011590	0.000978	8.66019	9.13579	8.62991	1.41998	0.505872	1.41998
Snd1	NM_019776	0.000692	9.47644	10.0898	9.58444	1.4195	0.50538	1.4195
Spred1	NM_033524	0.005232	5.52769	8.8059	8.30083	1.41919	0.505068	1.41919
Ncbp1	NM_001033201	0.003246	6.29901	8.76974	8.26477	1.41909	0.504967	1.41909
Tmed4	NM_134020	0.000923	8.79309	10.137	9.63214	1.41902	0.504896	1.41902
Mrpl46	NM_023331	0.005898	5.34687	6.7915	6.2868	1.41883	0.504706	1.41883

Wdr70	NM_001081402	0.000196	13.1	8.90549	8.40102	1.4186	0.504469	1.4186
Mrpl49	NM_026246	0.002587	6.69652	8.52968	8.02535	1.41846	0.504329	1.41846
Crtc2	NM_028881	0.000465	10.4984	7.80001	7.29591	1.41824	0.504105	1.41824
Gpatch8	NM_001159492	0.003631	6.11044	7.44835	6.94427	1.41822	0.50408	1.41822
Olfr1392	NM_146470	0.004263	5.84844	4.35552	3.85147	1.41819	0.504055	1.41819
Akap8l	NM_017476	0.003723	6.06887	8.14544	7.64203	1.41757	0.503418	1.41757
Rnps1	NM_009070	0.005729	5.39037	9.34856	8.84532	1.41739	0.503239	1.41739
Polr1c	NM_009085	0.00137	7.92831	9.0338	8.53064	1.41732	0.50316	1.41732
	---	0.000555	10.0313	6.39095	5.88811	1.417	0.502836	1.417
Urgcp	NM_178623	0.003582	6.133	7.67185	7.16915	1.41686	0.502698	1.41686
Fam193a	BC099925	0.005624	5.4181	6.89404	6.39141	1.4168	0.502632	1.4168
Rgl2	NM_009059	0.000877	8.91093	7.69096	7.18864	1.41649	0.50232	1.41649
Dpf2	NM_011262	0.002447	6.79751	9.30188	8.79979	1.41626	0.502087	1.41626
Ddx18	NM_025860	0.004305	5.83279	9.63703	9.13516	1.41605	0.501869	1.41605
Sumf1	NM_145937	0.002575	6.70495	9.66604	9.16418	1.41603	0.501855	1.41603
Ube2q1	NM_027315	0.00072	9.37736	8.61579	8.11424	1.41573	0.501547	1.41573
Ptpn12	NM_011203	0.000969	8.68133	9.28845	8.78729	1.41535	0.501159	1.41535
Vps39	NM_147153	0.000707	9.42338	8.65572	8.15492	1.415	0.500801	1.415
Mark3	NM_021516	0.005258	5.52031	8.37811	7.87811	1.41422	0.500007	1.41422
Ggnbp2	NM_153144	0.000622	9.7405	9.66015	9.16026	1.41411	0.499892	1.41411
	---	0.004056	5.92879	10.5446	10.045	1.41381	0.499589	1.41381
Ganab	NM_008060	0.004302	5.83388	10.9642	10.4647	1.41367	0.499447	1.41367
	---	0.006813	5.1353	9.92119	9.42244	1.41299	0.498754	1.41299
Nr3c1	NM_008173	0.001565	7.65485	9.45186	8.95311	1.41298	0.498746	1.41298
Itfg3	NM_207217	0.000143	14.1982	9.41352	8.91489	1.41287	0.498625	1.41287
Rad23b	NM_009011	0.000716	9.39319	9.20388	8.7057	1.41243	0.498181	1.41243
Gde1	NM_019580	0.000579	9.92228	9.05853	8.56105	1.41175	0.497481	1.41175
Pptc7	NM_177242	0.000578	9.92926	8.09793	7.60081	1.4114	0.497123	1.4114
Sin3b	NM_009188	0.004522	5.75473	8.73078	8.23373	1.41133	0.497052	1.41133
Fam116b	NM_027081	0.000337	11.4097	6.03749	5.54129	1.4105	0.496204	1.4105
Tbc1d25	NM_172478	4.04E-05	19.5479	6.85888	6.36273	1.41045	0.496156	1.41045

Nhp2l1	NM_011482	0.002299	6.91195	11.3732	10.8771	1.41038	0.496084	1.41038
	---	0.003031	6.41684	10.9549	10.4592	1.41	0.495696	1.41
Smek2	NM_134034	0.004918	5.62328	9.28796	8.79249	1.40978	0.495468	1.40978
Ptpn3	NM_011207	0.002975	6.44934	6.21355	5.71845	1.40942	0.495105	1.40942
Cox4nb	NM_010926	0.006499	5.20378	7.79663	7.3023	1.40866	0.494324	1.40866
Pthr1	NM_178595	0.001036	8.53013	7.89144	7.3972	1.40857	0.494236	1.40857
Nfe2l1	NM_008686	0.006656	5.16912	10.3661	9.87202	1.4084	0.494053	1.4084
Cnot7	NM_011135	0.000381	11.054	9.15517	8.66159	1.40794	0.493583	1.40794
Ube2v1	NM_023230	0.000904	8.83958	9.08271	8.5893	1.40776	0.493402	1.40776
Lass5	NM_028015	0.001006	8.59684	10.1517	9.65844	1.40764	0.493274	1.40764
Gatad1	NM_026033	0.001863	7.30974	9.51028	9.01802	1.40665	0.492259	1.40665
Mrpl10	NM_026154	0.002043	7.13244	8.75527	8.26309	1.40657	0.492181	1.40657
Kif13a	NM_010617	0.006335	5.24123	7.08033	6.5884	1.40633	0.491932	1.40633
Ppp3r1	NM_024459	0.003341	6.25037	9.2614	8.76949	1.40631	0.491912	1.40631
Prpf3	NM_027541	0.001567	7.65239	7.96606	7.47524	1.40524	0.49082	1.40524
Arl2bp	NM_024191	0.003689	6.08408	10.187	9.69645	1.40493	0.490503	1.40493
	---	0.001912	7.25942	8.78294	8.29315	1.40424	0.489792	1.40424
Ppia	NM_008907	0.000516	10.2221	12.4706	11.9827	1.40236	0.487856	1.40236
Emp3	NM_010129	0.005108	5.56467	11.4358	10.9482	1.40208	0.487569	1.40208
Paf1	NM_019458	7.69E-05	16.6128	9.39656	8.9091	1.40197	0.487456	1.40197
Stat6	NM_009284	0.002889	6.5007	9.29444	8.807	1.40196	0.487443	1.40196
Helz	NM_198298	0.004719	5.68773	8.06703	7.57993	1.40163	0.487102	1.40163
Mut	NM_008650	0.000425	10.747	9.0398	8.55282	1.40151	0.486981	1.40151
	ENSMUST0000010533							
Dot1l	6	0.002844	6.52836	6.88032	6.39407	1.40079	0.486243	1.40079
Strada	NM_028126	0.00152	7.7146	7.7539	7.2685	1.39997	0.485398	1.39997
Nhp2l1	NM_011482	0.002813	6.5476	11.0823	10.5969	1.39996	0.485388	1.39996
Paics	NM_025939	0.005798	5.37232	11.8101	11.3247	1.39995	0.485379	1.39995
Rbm28	NM_133925	0.000837	9.01847	7.46789	6.98367	1.39884	0.484227	1.39884
Csnk1e	NM_013767	0.00232	6.89495	9.13701	8.6528	1.39882	0.48421	1.39882
Sec24b	NM_207209	0.004136	5.89715	8.76239	8.27861	1.39841	0.483786	1.39841

Ewsr1	NM_007968	0.003805	6.03297	6.81941	6.33608	1.39796	0.483328	1.39796
Cct2	NM_007636	0.003902	5.99172	11.571	11.0877	1.39791	0.483269	1.39791
Gcn111	NM_172719 ENSMUST0000002518	0.000566	9.98076	8.37501	7.89179	1.39786	0.483221	1.39786
Dsc1	7	0.002573	6.70662	6.8465	6.3633	1.39784	0.4832	1.39784
Casq2	NM_009814	0.001382	7.91043	4.85138	4.36837	1.39766	0.483017	1.39766
Smarce1	NM_020618	0.001148	8.30494	10.0583	9.57543	1.39756	0.482909	1.39756
	---	0.004632	5.71674	9.0993	8.61716	1.39682	0.482141	1.39682
Snmp48	NM_026382	0.002533	6.73441	6.60589	6.12384	1.39672	0.48204	1.39672
Rnf115	NM_026406	0.004779	5.66784	8.68645	8.20453	1.3966	0.481922	1.3966
St13	NM_133726	0.003632	6.11014	10.0903	9.60884	1.39616	0.481465	1.39616
Iffo1	NM_178787	0.003815	6.02872	7.11501	6.63407	1.39566	0.480948	1.39566
Snx17	NM_153680	0.005301	5.5079	9.69137	9.21101	1.3951	0.480364	1.3951
Oscp1	NM_172701	0.000404	10.8853	6.13768	5.65739	1.39502	0.480291	1.39502
Flywch1	NM_153791	0.006953	5.10602	7.38096	6.90089	1.39481	0.480064	1.39481
4931428F04Rik	NM_028888	0.004999	5.59786	5.64794	5.16876	1.39395	0.47918	1.39395
Haus5	NM_027999	0.004986	5.60183	6.23808	5.75903	1.39382	0.479046	1.39382
Lym7	NM_029327	0.001478	7.77152	4.38829	3.90941	1.39366	0.478879	1.39366
Eif4enif1	NM_023743	0.000682	9.51305	8.0339	7.55508	1.3936	0.478818	1.3936
	---	0.000105	15.347	6.67894	6.20142	1.39235	0.477522	1.39235
Ube2v1	NM_023230	0.001203	8.20293	9.34742	8.87003	1.39222	0.477386	1.39222
Xpnpep1	NM_133216	0.002535	6.73334	9.56006	9.08278	1.39211	0.477274	1.39211
	---	0.003314	6.26376	5.15139	4.67423	1.39201	0.477168	1.39201
Dthd1	NM_001170705	0.004714	5.68919	3.52717	3.05018	1.39183	0.476985	1.39183
Tasp1	NM_175225	0.000319	11.5645	7.00403	6.52752	1.39138	0.476517	1.39138
Smarce1	NM_020618	0.00146	7.79651	10.053	9.57659	1.39127	0.476399	1.39127
Pabpn1	NM_019402	0.000813	9.08719	9.23258	8.75621	1.39124	0.476368	1.39124
Tph1	NM_009414	0.003053	6.40443	4.4529	3.97662	1.39115	0.476278	1.39115
Tapt1	NM_173764	0.000676	9.53204	9.53929	9.06332	1.39085	0.475971	1.39085
Ppia	NM_008907	0.000515	10.2302	12.5868	12.1108	1.39082	0.475937	1.39082
Rabif	NM_145510	0.002332	6.88497	8.05526	7.57939	1.39076	0.475871	1.39076

Rev1	NM_019570	0.002184	7.00729	8.30369	7.82807	1.39051	0.475618	1.39051
Mxra8	NM_024263	0.006007	5.31971	11.2056	10.7302	1.39029	0.475383	1.39029
Parp4	NM_001145978	0.001222	8.17028	7.43385	6.95863	1.39013	0.475222	1.39013
Pdxp	NM_020271	0.001191	8.22622	6.02229	5.54712	1.39008	0.475172	1.39008
Secisbp2l	NM_177608	0.002157	7.02983	8.18215	7.70861	1.38852	0.473544	1.38852
Ppp4r1	NM_146081	0.000143	14.1971	9.31413	8.84076	1.38835	0.473374	1.38835
Gabbr1	NM_019439	0.002275	6.93061	7.18045	6.70744	1.38801	0.473015	1.38801
Gnb1	NM_008142	0.005992	5.32338	11.654	11.1812	1.38781	0.472805	1.38781
Efna5	NM_207654	0.001471	7.78085	6.75804	6.28574	1.38732	0.472297	1.38732
Eps15l1	NM_007944	0.000704	9.4347	8.01023	7.538	1.38725	0.472231	1.38725
3000002C10Rik	NR_033215	0.006387	5.22922	5.62547	5.15368	1.38683	0.471786	1.38683
	---	0.00034	11.384	12.207	11.7352	1.38677	0.471731	1.38677
B230315N10Rik	NM_001105557	0.004834	5.64997	8.67178	8.2004	1.38644	0.471382	1.38644
Smarce1	NM_020618	0.001502	7.73839	10.1731	9.70174	1.38642	0.471365	1.38642
Ptdss2	NM_013782	0.000458	10.539	7.8344	7.36325	1.38622	0.471152	1.38622
Snrpb2	NM_021335	0.004034	5.93758	9.17606	8.70672	1.38448	0.469348	1.38448
Zkscan17	NM_172941	0.000819	9.06959	7.52047	7.05117	1.38444	0.469305	1.38444
Tomm40	NM_001109748	0.001452	7.80741	8.49058	8.02168	1.38405	0.468899	1.38405
Fbxo11	NM_001081034	0.004588	5.7318	9.38961	8.92089	1.38388	0.46872	1.38388
Stac2	NM_146028	0.005385	5.48374	5.686	5.21752	1.38365	0.468482	1.38365
BC053749	BC053749	0.002064	7.11351	5.70527	5.23679	1.38365	0.468482	1.38365
Eif1	NM_011508	0.003714	6.07311	10.6212	10.1528	1.38365	0.468481	1.38365
Micall2	NM_174850	0.004232	5.86027	6.37794	5.91011	1.38302	0.467823	1.38302
Brd1	NM_001033274	0.003684	6.08665	8.73945	8.27215	1.38252	0.4673	1.38252
Ppp1r12b	NM_001081307	0.001265	8.0956	5.04159	4.57553	1.38133	0.466056	1.38133
Ube2n	NM_080560	0.004946	5.61441	8.98163	8.51565	1.38126	0.465982	1.38126
Mpv17l	NM_033564	0.007062	5.08372	5.99487	5.52907	1.38108	0.465797	1.38108
Dhx57	NM_001163759	0.005509	5.44929	8.29157	7.82584	1.38101	0.465724	1.38101
Diablo	NM_023232	0.005983	5.32568	6.77615	6.31137	1.38011	0.46478	1.38011
Prpf6	NM_133701	0.002714	6.61061	9.47406	9.00958	1.37983	0.464487	1.37983
Zfp384	NM_175557	0.001959	7.21244	8.8639	8.39942	1.37982	0.464477	1.37982

	---	0.004768	5.6714	9.41046	8.94614	1.37967	0.464322	1.37967
	---	0.001646	7.55307	9.90512	9.44113	1.37935	0.463988	1.37935
Stx11	NM_029075	0.005675	5.40468	7.54806	7.08412	1.37931	0.463944	1.37931
Csn3	NM_007786	0.001715	7.47172	3.60442	3.14083	1.37897	0.463586	1.37897
Tcf3	NM_001164147	0.005666	5.40689	8.49109	8.02815	1.37835	0.462943	1.37835
Gm5113	NM_001033540	0.001671	7.52331	5.83681	5.37568	1.37662	0.46113	1.37662
Ctbs	NM_028836	0.001375	7.92064	7.19604	6.73518	1.37636	0.460859	1.37636
Scyl2	NM_198021	0.003467	6.18772	9.00352	8.54352	1.37554	0.46	1.37554
Gcap14	NM_027045	0.000928	8.78062	9.24221	8.78227	1.37549	0.459942	1.37549
AY358078	AY358078	0.004596	5.72909	3.18368	2.72418	1.37506	0.459495	1.37506
Ispd	NM_178629	0.004873	5.63753	4.82567	4.36641	1.37483	0.459257	1.37483
Tom1	NM_011622	0.004407	5.7957	8.06496	7.60611	1.37444	0.458848	1.37444
Rela	NM_009045	0.00107	8.46042	8.39139	7.93275	1.37424	0.458632	1.37424
Ipo9	NM_153774	0.005099	5.56722	9.65688	9.19846	1.37403	0.458415	1.37403
Supt5h	NM_013676	0.001456	7.80279	9.61244	9.15409	1.37397	0.458349	1.37397
Atad1	NM_026487	0.002698	6.6211	9.9092	9.45144	1.3734	0.457754	1.3734
Cd200	NM_010818	0.001858	7.31517	4.11555	3.65799	1.37323	0.457569	1.37323
D830014E11Rik	ENSMUST0000005599 4	0.005706	5.39646	4.56104	4.10359	1.37312	0.457457	1.37312
Vti1a	NM_016862	0.004493	5.76477	7.30557	6.84858	1.37268	0.456991	1.37268
Nedd8	NM_008683	0.000524	10.1825	10.3637	9.9068	1.37258	0.456895	1.37258
Zfp511	NM_027201	0.001647	7.55195	8.12975	7.67309	1.37236	0.456659	1.37236
Fam100b	NM_176902	8.46E-05	16.2159	7.59915	7.14253	1.37232	0.456622	1.37232
Hsp90ab1	NM_008302	0.001541	7.68568	12.2834	11.827	1.3721	0.456388	1.3721
Ngdn	NM_026890	0.005088	5.57077	7.40303	6.94666	1.37208	0.456368	1.37208
Lsg1	NM_178069	0.00535	5.49388	8.56411	8.10812	1.37173	0.455992	1.37173
Abcf2	NM_013853	0.000814	9.08399	9.55832	9.10239	1.37166	0.455928	1.37166
Ikzf5	NM_175115	0.001703	7.48557	9.39248	8.93662	1.3716	0.455857	1.3716
Stk11	NM_011492	0.00525	5.52259	9.47773	9.02187	1.37159	0.455854	1.37159
Cul4a	NM_146207	0.002991	6.44022	8.6326	8.17688	1.37146	0.455712	1.37146
Cabin1	NM_172549	0.006104	5.29601	7.66016	7.20464	1.37128	0.455522	1.37128

1700001G17Rik	NR_033199	0.00657	5.18798	5.9971	5.54217	1.37072	0.454929	1.37072
Mks1	NM_001039684	0.00519	5.54019	6.57498	6.12046	1.37033	0.454521	1.37033
Cpne1	NM_170588	0.002329	6.88789	9.18706	8.73259	1.37028	0.454469	1.37028
Vta1	NM_025418	0.000569	9.96668	9.10092	8.64669	1.37006	0.454236	1.37006
Atp13a1	NM_133224	0.0051	5.567	8.07611	7.62203	1.36991	0.454082	1.36991
Wbp11	NM_021714	0.001238	8.14282	8.328	7.87478	1.3691	0.453223	1.3691
Zfp668	NM_146259	0.001999	7.17455	5.71224	5.25972	1.36843	0.452525	1.36843
Lrpprc	NM_028233	0.004856	5.64293	9.13513	8.68475	1.3664	0.45038	1.3664
Rnf6	NM_028774	0.002631	6.66607	9.01827	8.56933	1.36504	0.448945	1.36504
Wdr92	NM_178909	0.001309	8.02423	7.01658	6.5679	1.36478	0.448671	1.36478
Doc2g	NM_021791	0.000686	9.49607	6.42844	5.98003	1.36453	0.448404	1.36453
Ppia	NM_008907	0.002188	7.00334	12.7013	12.253	1.36444	0.448305	1.36444
Rfk	NM_019437	0.002841	6.53021	9.07292	8.62528	1.36381	0.44764	1.36381
Dhrs7b	NM_001172112	0.000667	9.56735	7.99766	7.55023	1.3636	0.447425	1.3636
Dak	NM_145496	0.004678	5.70133	7.73833	7.29107	1.36345	0.447263	1.36345
	---	0.0031	6.37802	5.86793	5.42074	1.36338	0.447193	1.36338
Dhx34	NM_027883	0.003764	6.05095	6.84031	6.39318	1.36333	0.447132	1.36333
B4galt2	NM_017377	0.00311	6.37242	7.20448	6.75745	1.36323	0.447029	1.36323
Rpl30	NM_009083	0.000836	9.02102	9.013	8.56638	1.36285	0.446625	1.36285
Xrcc2	NM_020570	0.001846	7.32769	5.97054	5.52421	1.36257	0.446327	1.36257
1810009A15Rik	BC047099	0.001255	8.1135	6.37809	5.93266	1.36172	0.44543	1.36172
	---	0.003742	6.0608	9.13988	8.69462	1.36155	0.445254	1.36155
	---	0.005214	5.53303	9.59686	9.15217	1.36102	0.444692	1.36102
Acyp1	NM_025421	0.004716	5.68861	6.34363	5.89913	1.36084	0.444499	1.36084
Ankrd50	NM_001167883	0.003901	5.99216	7.92148	7.47701	1.36081	0.444465	1.36081
Ube2n	NM_080560	0.00415	5.89185	8.93447	8.4901	1.36071	0.444365	1.36071
Mkks	NM_021527	0.00237	6.8554	7.6616	7.21728	1.36067	0.444319	1.36067
Grsf1	NM_178700	0.003627	6.11246	8.79569	8.35182	1.36024	0.443864	1.36024
Sugp1	NM_027481	0.005538	5.4415	7.36565	6.92229	1.35976	0.443354	1.35976
Pfn1	NM_011072	0.00685	5.12751	10.3755	9.9322	1.3597	0.443289	1.3597
BC030336	NM_001164580	0.004144	5.89408	8.59415	8.15105	1.35952	0.443097	1.35952

Tom1	NM_011622	0.004753	5.67648	8.10915	7.66643	1.35916	0.442714	1.35916
Akap8	NM_019774	0.000858	8.96216	9.25632	8.81363	1.35914	0.442691	1.35914
	---	0.001879	7.29265	7.24387	6.80184	1.35852	0.442031	1.35852
Zfp64	NM_009564	0.003079	6.39003	6.93075	6.48898	1.35827	0.441774	1.35827
Cfl1	NM_007687	0.00052	10.2044	11.5485	11.1071	1.35792	0.441402	1.35792
Ewsr1	NM_007968	0.006499	5.20379	10.558	10.1171	1.35747	0.44092	1.35747
Kif3b	NM_008444	0.002846	6.52707	8.29512	7.85466	1.35704	0.440466	1.35704
Asb7	NR_003961	0.006271	5.2562	5.90169	5.46143	1.35685	0.440264	1.35685
Glt25d1	NM_146211	0.005325	5.5009	9.84253	9.40262	1.35652	0.439914	1.35652
Klhdc3	NM_027910	0.000194	13.143	8.73126	8.29141	1.35646	0.439847	1.35646
Rgs19	NM_026446	0.005811	5.36894	8.0015	7.56216	1.35599	0.439344	1.35599
Sharpin	NM_025340	0.00303	6.4174	9.23566	8.79639	1.35592	0.43927	1.35592
2310057M21Rik	BC044749	0.00134	7.97482	7.71308	7.2739	1.35584	0.439182	1.35584
Cdk17	NM_146239	0.0053	5.50805	8.29952	7.8607	1.3555	0.438823	1.3555
Nap1l2	NM_008671	0.003113	6.37109	3.32226	2.88362	1.35533	0.43864	1.35533
Pi4k2a	NM_145501	0.003257	6.29367	8.6903	8.25249	1.35455	0.437816	1.35455
Ndufa3	NM_025348	7.28E-06	30.0709	8.81037	8.37266	1.35445	0.437711	1.35445
Gatsl2	NM_030719	0.002443	6.80012	6.93196	6.49446	1.35426	0.4375	1.35426
Fxr2	NM_011814	0.004111	5.90708	8.66918	8.23203	1.35392	0.437148	1.35392
CommD9	NM_029635	0.003039	6.41236	7.24792	6.81113	1.35359	0.436789	1.35359
G3bp2	NM_011816	0.003199	6.32406	9.79979	9.36386	1.35279	0.435937	1.35279
Zbtb49	NM_029162	0.000555	10.0319	6.43215	5.9976	1.35149	0.434549	1.35149
	---	0.004713	5.68967	10.4328	9.99856	1.35115	0.43419	1.35115
Ces2f	BC117742	4.58E-05	18.9358	3.77467	3.34073	1.35092	0.43394	1.35092
Tpp2	NM_009418	0.00043	10.7149	8.89865	8.46488	1.35075	0.433764	1.35075
4933434E20Rik	NM_025762	0.000745	9.29478	9.69649	9.26308	1.35042	0.433412	1.35042
	---	0.001575	7.64211	4.37349	3.94091	1.34964	0.432578	1.34964
Mmab	NM_029956	0.001358	7.94646	7.14994	6.71743	1.34958	0.432511	1.34958
Ppia	NM_008907	0.00565	5.4113	12.3399	11.9075	1.34947	0.432388	1.34947
Terf2	NM_009353	0.0003	11.756	7.67265	7.2407	1.34906	0.431958	1.34906
Evi5	NM_007964	0.004811	5.6575	8.30081	7.86903	1.34889	0.431773	1.34889

	---	0.004259	5.85006	10.8395	10.4084	1.34823	0.431066	1.34823
Slc45a4	NM_001033219	0.001091	8.41617	7.807	7.37606	1.34811	0.430941	1.34811
Ppm1h	NM_001110218	0.000623	9.73829	5.76801	5.33725	1.34795	0.430762	1.34795
Mrpl21	NM_172252	0.003906	5.99006	7.46954	7.03897	1.34776	0.430563	1.34776
Atp1a1	NM_144900	0.007019	5.09264	9.95705	9.52657	1.34768	0.430479	1.34768
Lcmt1	NM_025304	0.000156	13.8901	7.25517	6.82566	1.34677	0.429507	1.34677
Usp47	NM_133758	0.00015	14.0237	10.0301	9.60107	1.34634	0.429044	1.34634
Rras	NM_009101	0.00037	11.1393	9.48749	9.05845	1.34634	0.429042	1.34634
Usp30	NM_001033202	0.0003	11.7533	7.53709	7.10848	1.34594	0.42861	1.34594
	---	0.00512	5.56097	4.16801	3.73944	1.3459	0.428575	1.3459
	---	0.000682	9.5103	9.1225	8.69488	1.34501	0.427615	1.34501
E2f3	NM_010093	0.005948	5.33439	7.10491	6.67738	1.34493	0.427526	1.34493
Adipor1	NM_028320	0.000618	9.75646	9.24931	8.82214	1.34459	0.42717	1.34459
Rnf20	NM_001163263	0.004843	5.64709	8.56001	8.13345	1.34402	0.426556	1.34402
Rai12	NM_018740	0.003365	6.23801	9.03535	8.60935	1.34351	0.426006	1.34351
Acd	NM_001012638	0.005146	5.55336	6.82473	6.39934	1.34293	0.425381	1.34293
Vps11	NM_027889	0.00423	5.86119	9.06924	8.64448	1.34235	0.42476	1.34235
Utp6	NM_144826	0.000852	8.97751	8.84631	8.42383	1.34023	0.422479	1.34023
	---	0.001927	7.24425	9.24664	8.82419	1.34021	0.422456	1.34021
1500002O20Rik	NM_028047	0.000315	11.6037	6.76438	6.34233	1.33982	0.422044	1.33982
Inpp1	NM_010567	8.18E-05	16.3542	5.24052	4.81853	1.33977	0.421985	1.33977
Lins	NM_152815	0.005325	5.50085	6.99221	6.57112	1.33893	0.421084	1.33893
Calm1	NM_009790	0.001447	7.81516	10.6882	10.2679	1.33818	0.420274	1.33818
Ppp1r12b	NM_001081307	0.000746	9.29137	6.84792	6.4277	1.33813	0.420218	1.33813
Notch2	NM_010928	0.000134	14.4332	9.19304	8.77308	1.33789	0.419957	1.33789
Flot2	NM_008028	0.001416	7.85919	7.62245	7.20268	1.33771	0.419771	1.33771
Tti1	NM_029282	0.005454	5.46464	7.66489	7.24537	1.33748	0.41952	1.33748
Plp2	NM_019755	0.006293	5.25097	10.8731	10.4538	1.33734	0.419368	1.33734
Vps4b	NM_009190	0.002151	7.03529	10.1005	9.68231	1.33627	0.418206	1.33627
Suv420h1	NM_001167885	0.001254	8.11488	8.45282	8.03543	1.3355	0.417381	1.3355
Dnttip2	NM_153806	0.005658	5.40898	7.52182	7.105	1.33499	0.416824	1.33499

Prdx3	NM_007452	0.000754	9.26647	10.2169	9.8005	1.33455	0.416359	1.33455
Ctbp2	NM_009980	0.002722	6.60586	7.98643	7.57092	1.33378	0.415517	1.33378
Insc	NM_173767	0.001457	7.80138	5.46415	5.04892	1.33351	0.415227	1.33351
Hdac10	NM_199198	0.003793	6.0382	7.22221	6.80789	1.33267	0.414316	1.33267
Zfand3	NM_148926	0.006183	5.27697	8.12174	7.70752	1.33258	0.414222	1.33258
Itch	NM_008395	0.005835	5.36302	9.4138	9.00168	1.33063	0.412113	1.33063
Glg1	NM_009149	0.000108	15.2492	10.4445	10.0324	1.33062	0.412102	1.33062
	---	0.00161	7.59796	2.99573	2.58399	1.33028	0.411734	1.33028
Mthfsd	NM_172761	0.005736	5.38843	7.35461	6.94312	1.33006	0.41149	1.33006
Xpnpep3	NM_177310	0.002979	6.44681	7.47776	7.06644	1.3299	0.411319	1.3299
Psma5	NM_011967	0.00422	5.86503	8.94953	8.53878	1.32938	0.410752	1.32938
Sgcb	NM_011890	0.005042	5.58466	9.29093	8.88126	1.32839	0.409674	1.32839
Dpp3	NM_133803	6.84E-05	17.1126	8.50822	8.09865	1.32829	0.409575	1.32829
Naf1	NM_001163564	0.003033	6.4159	6.95454	6.54585	1.32748	0.408693	1.32748
Pvrl3	NM_021496	0.004172	5.88336	7.48997	7.08176	1.32704	0.408213	1.32704
Mett11d1	NM_001029990	0.006909	5.11527	7.05149	6.64362	1.32673	0.407874	1.32673
Trpc4ap	NM_001163452	0.002773	6.57292	10.2664	9.85947	1.32583	0.406898	1.32583
	---	0.000408	10.8593	10.1994	9.79267	1.32568	0.406738	1.32568
	---	0.001787	7.39127	10.5257	10.1192	1.32545	0.406482	1.32545
Gm13034	NR_030771	0.003378	6.23167	7.92736	7.52093	1.3254	0.40643	1.3254
Slmo2	NM_025531	0.005472	5.45953	8.38104	7.9747	1.32532	0.406343	1.32532
	---	0.006019	5.31659	10.8524	10.4468	1.3247	0.405665	1.3247
Trmt112	NM_001166370	0.000985	8.64468	10.4977	10.0921	1.32464	0.405602	1.32464
Pycl	NM_025412	0.00421	5.8688	8.28822	7.88272	1.32455	0.405504	1.32455
Ing5	NM_025454	0.004893	5.63097	7.46499	7.05958	1.32447	0.405412	1.32447
Trmt112	NM_001166370	0.001417	7.85825	10.4936	10.0889	1.32377	0.404647	1.32377
Alg14	NM_024178	0.004911	5.62547	7.89774	7.49354	1.32336	0.404208	1.32336
Nutf2	NM_026532	0.002894	6.49743	10.049	9.64487	1.32325	0.404086	1.32325
Nprl3	NM_181569	0.003735	6.06365	8.18025	7.77671	1.32275	0.403541	1.32275
Fbxo3	NM_212433	0.005173	5.54516	9.23835	8.83516	1.32243	0.403189	1.32243
Bzw1	NM_025824	0.004994	5.59943	11.3141	10.9111	1.32228	0.403025	1.32228

Cops3	NM_011991	0.003286	6.27814	9.02562	8.62355	1.3214	0.402071	1.3214
Agpat4	NM_026644	0.004222	5.86402	7.90696	7.5049	1.32139	0.40206	1.32139
Brpf3	NM_001081315	5.82E-05	17.8242	6.36679	5.96478	1.32135	0.40201	1.32135
1110018G07Rik	NM_178065	0.00296	6.45813	8.22759	7.82647	1.32053	0.401119	1.32053
Ifne	NM_177348	0.004443	5.78252	5.15175	4.75088	1.3203	0.40087	1.3203
Pacrgl	NM_025755	0.003148	6.3519	6.81354	6.41309	1.31992	0.400448	1.31992
Chd1	NM_007690	0.004705	5.69218	8.66455	8.26512	1.31899	0.399435	1.31899
Med9	NM_138675	0.002938	6.47149	6.98304	6.58395	1.31867	0.399087	1.31867
Poldip2	NM_026389	0.000818	9.07195	9.08278	8.68392	1.31847	0.398861	1.31847
Rag1ap1	NM_009057	0.00372	6.07034	9.97394	9.57539	1.31818	0.398544	1.31818
Ceacam2	NM_001113368	0.003725	6.06835	4.83964	4.44244	1.31695	0.397205	1.31695
Ccdc129	NM_001081665	0.000147	14.1083	3.95432	3.55739	1.3167	0.396928	1.3167
Tecpr1	NM_027410	0.003965	5.96569	7.54516	7.14877	1.3162	0.396382	1.3162
2210404J11Rik	NM_001039552	0.005511	5.44863	7.91551	7.5192	1.31614	0.396312	1.31614
Usp36	NM_001033528	0.000427	10.7315	7.47554	7.07934	1.31604	0.396208	1.31604
Ewsr1	NM_007968	0.002046	7.12999	6.65109	6.25539	1.31558	0.395702	1.31558
Lpxn	NM_134152	0.001332	7.98722	4.53736	4.14166	1.31558	0.395698	1.31558
Nt5c3l	NM_026561	0.001554	7.66952	8.13857	7.7429	1.31555	0.395668	1.31555
Acot10	NM_022816	0.00456	5.74136	5.66921	5.27396	1.31518	0.395255	1.31518
Alkbh6	NM_198027	0.003571	6.13803	6.75855	6.36334	1.31513	0.395207	1.31513
Lgtn	NM_001136070	0.000273	12.0371	6.89073	6.49554	1.31511	0.395187	1.31511
Cyp4b1	NM_007823	0.002298	6.912	4.98427	4.58919	1.31501	0.395077	1.31501
Ogg1	NM_010957	0.002421	6.81644	6.81523	6.4202	1.31497	0.395029	1.31497
Lias	NM_024471	0.002488	6.76733	8.18517	7.79057	1.31458	0.394605	1.31458
Tdg	NM_011561	0.004041	5.93495	7.92839	7.53383	1.31454	0.394561	1.31454
Pax2	NM_011037	0.002298	6.9124	5.65494	5.26108	1.3139	0.393855	1.3139
Usp5	NM_013700	0.002958	6.45924	9.24689	8.85309	1.31385	0.393802	1.31385
Scarna17	NR_028560	0.001192	8.22291	11.0699	10.6763	1.31366	0.393597	1.31366
Scarna17	NR_028560	0.001192	8.22291	11.0699	10.6763	1.31366	0.393597	1.31366
Tdg	NM_011561	0.002679	6.63415	8.00879	7.61523	1.31363	0.393558	1.31363
Tceb2	NM_026305	0.001651	7.54806	10.1407	9.74747	1.31337	0.393271	1.31337

Slc28a2	NM_172980	0.004297	5.83573	4.87162	4.47881	1.31295	0.392817	1.31295
Dvl2	NM_007888	0.003629	6.11136	7.89794	7.5052	1.31289	0.392742	1.31289
Klhl32	NM_001163020	0.003933	5.9789	4.36054	3.9699	1.31097	0.39064	1.31097
Helb	NM_080446	0.004638	5.71479	7.93987	7.54964	1.3106	0.390226	1.3106
Psmdb	NM_026545	0.004339	5.82045	9.31976	8.92962	1.31052	0.390137	1.31052
Stradb	NM_172656	0.001651	7.54791	7.07253	6.68278	1.31017	0.38975	1.31017
Nlrp4e	NM_001004194	0.002568	6.70951	3.66046	3.27072	1.31016	0.38974	1.31016
Snf8	NM_033568	0.004774	5.66944	7.92705	7.53734	1.31013	0.389715	1.31013
Nsfl1c	NM_198326	0.006265	5.2576	9.35445	8.9653	1.30963	0.389158	1.30963
	---	0.00062	9.75109	5.08675	4.69773	1.30951	0.389024	1.30951
	---	0.00062	9.75109	5.08675	4.69773	1.30951	0.389024	1.30951
Wdr45	NM_172372	0.004116	5.90517	8.94643	8.55775	1.3092	0.388686	1.3092
Sf3b3	NM_133953	0.007035	5.0893	10.49	10.1014	1.30914	0.388621	1.30914
Bat3	NM_057171	0.00048	10.4148	9.49049	9.10248	1.30859	0.388013	1.30859
Aktip	NM_010241	0.006067	5.30496	8.47859	8.09075	1.30843	0.38784	1.30843
Glyr1	NM_001079814	0.000181	13.3783	9.2831	8.89528	1.30841	0.387818	1.30841
	---	0.001078	8.44226	5.57919	5.19178	1.30804	0.387408	1.30804
Hnrnpul1	NM_144922	0.002253	6.94926	9.25138	8.86562	1.30655	0.385767	1.30655
Fbxw11	NM_134015	0.002702	6.61897	8.75956	8.37382	1.30653	0.385744	1.30653
Eif4h	NM_033561	0.005071	5.57569	10.7591	10.3746	1.30536	0.384443	1.30536
Nhp2l1	NM_011482	0.005745	5.38625	10.8817	10.498	1.30469	0.383707	1.30469
C330006K01Rik	NM_172725	0.002384	6.84488	6.88125	6.49815	1.30414	0.383096	1.30414
	---	0.007012	5.0939	10.3766	9.99377	1.30387	0.382799	1.30387
1700037H04Rik	BC071212	0.002693	6.62496	7.03789	6.65553	1.30347	0.382353	1.30347
4732418C07Rik	BC059213	0.000818	9.0736	7.56152	7.18003	1.30268	0.381488	1.30268
Stim1	NM_009287	0.005287	5.51168	7.58644	7.20618	1.30158	0.380262	1.30158
Olfr368	NM_146374	0.000904	8.84118	4.86517	4.48514	1.30137	0.380035	1.30137
Ppapdc2	NM_028922	0.000182	13.3418	6.81201	6.43198	1.30137	0.380032	1.30137
Pofut1	NM_080463	0.005353	5.49299	7.13961	6.75981	1.30116	0.379798	1.30116
Brf1	NM_028193	0.002301	6.90981	8.07867	7.70041	1.29977	0.378261	1.29977
Znrf2	NM_199143	0.004276	5.84389	8.12868	7.75073	1.2995	0.377958	1.2995

	---	0.005713	5.39453	2.72348	2.3457	1.29934	0.377775	1.29934
Psm1	NM_011965	0.000115	14.9897	9.68115	9.30346	1.29926	0.377694	1.29926
Ube2i	NM_011665	0.001414	7.86204	10.5488	10.1719	1.2986	0.376954	1.2986
Trim41	NM_145377	0.001048	8.50594	8.39756	8.02123	1.29803	0.376326	1.29803
Ube2m	NM_145578	0.003539	6.15325	8.97129	8.59563	1.29743	0.375662	1.29743
Kif3c	NM_008445	0.007011	5.09418	6.71014	6.33484	1.29711	0.375299	1.29711
6330577E15Rik	NM_026377	0.003821	6.02639	9.5082	9.13332	1.29673	0.374883	1.29673
	---	0.004386	5.80306	9.97933	9.60474	1.29647	0.374587	1.29647
Gm6682	NR_033599	0.004256	5.8512	9.32129	8.94679	1.29639	0.374498	1.29639
D11Wsu99e	NM_138598	0.004795	5.6625	7.76628	7.3919	1.29628	0.374378	1.29628
Eif4a3	NM_138669	0.000307	11.6823	9.13765	8.76353	1.29605	0.374123	1.29605
Psme2	NM_011190	0.006377	5.23159	8.93858	8.56522	1.29536	0.373358	1.29536
Nutf2	NM_026532	0.004441	5.78323	10.0298	9.65711	1.29475	0.372677	1.29475
Nutf2	NM_026532	0.004441	5.78323	10.0298	9.65711	1.29475	0.372677	1.29475
	---	0.003149	6.35106	11.0293	10.6574	1.29411	0.37196	1.29411
Ccdc109b	NM_025779	0.0009	8.8497	6.35749	5.98558	1.29407	0.371912	1.29407
Plagl2	NM_018807	0.001754	7.42765	6.55183	6.18042	1.29362	0.371416	1.29362
Abi2	NM_001198571	0.00162	7.58604	7.55206	7.18177	1.29261	0.370288	1.29261
	---	0.001007	8.59422	11.4534	11.0832	1.29252	0.370185	1.29252
Tm9sf3	NM_133352	0.000641	9.66597	10.9614	10.5919	1.29193	0.36953	1.29193
Whamm	NM_001004185	0.006111	5.29423	6.83165	6.46245	1.29163	0.369198	1.29163
Creb1	NM_133828	0.005872	5.3535	8.60323	8.23441	1.2913	0.368826	1.2913
Eif3a	NM_010123	0.001047	8.50767	11.1161	10.7492	1.28954	0.366858	1.28954
Lsm12	NM_172947	0.004004	5.94962	10.3255	9.95923	1.28899	0.366244	1.28899
	---	0.005021	5.59108	9.83942	9.47525	1.28715	0.364175	1.28715
Fkbp1a	NM_008019	0.002357	6.86593	8.96963	8.60565	1.28697	0.363975	1.28697
Tmem120b	NM_001039723	0.001646	7.55343	6.9067	6.54305	1.28668	0.363653	1.28668
Erich1	NM_001034862	0.005381	5.48505	6.8562	6.4932	1.2861	0.363005	1.2861
Mapk1	NM_011949	0.001402	7.88038	10.1386	9.77612	1.28563	0.362472	1.28563
Hist1h2ba	NM_175663	0.000898	8.85481	4.72151	4.3596	1.28512	0.361909	1.28512
	---	0.00064	9.67027	10.1014	9.74072	1.28405	0.360703	1.28405

Mrpl2	NM_025302	0.001903	7.26834	8.57199	8.21188	1.28353	0.360117	1.28353
Nhp2l1	NM_011482	0.006298	5.24976	10.8801	10.52	1.28347	0.360045	1.28347
Rfng	NM_009053	0.000593	9.86122	7.07235	6.71336	1.28252	0.358986	1.28252
Ncoa5	NM_144892	0.000191	13.1829	8.11193	7.75347	1.28205	0.358455	1.28205
Gm12070	NR_002890	0.000782	9.17955	12.2033	11.8451	1.2818	0.35817	1.2818
	---	0.001796	7.38078	3.49105	3.13293	1.28175	0.358119	1.28175
Mtap1s	NM_173013	1.97E-06	41.7264	7.4054	7.04761	1.28146	0.357793	1.28146
	---	0.001082	8.43499	10.1887	9.83099	1.28135	0.35766	1.28135
Pias4	NM_021501	0.005109	5.56437	7.95339	7.59575	1.28132	0.357636	1.28132
Zfr	NM_011767	0.002662	6.64505	9.64052	9.28405	1.28029	0.35647	1.28029
Tgfbrap1	NM_001013025	0.000935	8.7618	6.86727	6.51098	1.28013	0.356289	1.28013
Dnajc14	NM_028873	9.78E-05	15.6302	9.19575	8.83974	1.27989	0.356015	1.27989
C030006K11Rik	NM_145472	0.000465	10.499	7.2763	6.92117	1.2791	0.355134	1.2791
Ftsjd2	NM_028791	0.004651	5.71023	9.11833	8.76552	1.27704	0.352808	1.27704
Nhlrc2	NM_025811	0.004222	5.86422	8.28695	7.93424	1.27696	0.352711	1.27696
	---	0.003698	6.08022	3.02395	2.67127	1.27693	0.352685	1.27693
1810030O07Rik	BC137660	0.001137	8.32615	8.80991	8.45734	1.27684	0.352575	1.27684
	---	0.00442	5.7908	11.4714	11.1189	1.27679	0.352516	1.27679
Oaz1	NM_008753	1.75E-06	42.9979	11.4789	11.1276	1.27571	0.351304	1.27571
Smarca5	NM_053124	0.003432	6.20483	9.48609	9.13577	1.27484	0.350319	1.27484
Rrp7a	NM_029101	0.002148	7.03845	8.40466	8.0549	1.27435	0.349757	1.27435
Eftud1	NM_175317	0.00023	12.5833	8.06673	7.71776	1.27365	0.348967	1.27365
Eif4a3	NM_138669	3.68E-05	20.0135	9.28233	8.9364	1.27097	0.345929	1.27097
Nupl1	NM_170591	0.003378	6.23146	8.43468	8.08929	1.27049	0.345382	1.27049
Smg7	NM_001160257	0.004026	5.94083	7.90907	7.56375	1.27043	0.345314	1.27043
Sdcbp2	NM_145535	3.79E-05	19.8599	5.88069	5.5355	1.27032	0.345189	1.27032
Chchd2	NM_024166	0.004494	5.76461	10.7837	10.4402	1.2689	0.343578	1.2689
	ENSMUST0000003153							
Hnf1a	5	0.001119	8.36003	8.11406	7.77056	1.26883	0.343501	1.26883
	---	0.000971	8.67627	4.01239	3.66918	1.26857	0.343204	1.26857
2310003H01Rik	NM_027980	0.000425	10.7448	6.41726	6.07423	1.26842	0.343032	1.26842

	ENSMUST0000000919							
Gm5965	1	0.005031	5.58794	4.12288	3.78021	1.26811	0.342677	1.26811
Taf10	NM_020024	0.001893	7.27883	6.23153	5.88952	1.26752	0.34201	1.26752
Agap3	NM_139153	0.00192	7.25166	7.15404	6.81286	1.2668	0.341186	1.2668
	---	0.004173	5.88286	5.09223	4.75149	1.26641	0.340741	1.26641
Mett10d	NM_026197	0.004175	5.8822	7.96561	7.6252	1.26612	0.340408	1.26612
Map3k10	NM_001081292	0.002141	7.04381	6.45483	6.11499	1.26561	0.339837	1.26561
Mad111	NM_010752	0.001502	7.73818	6.93482	6.59545	1.2652	0.339364	1.2652
Nol9	NM_028727	0.003975	5.96146	8.42889	8.08967	1.26507	0.339221	1.26507
Hadha	NM_178878	0.00708	5.08006	9.55085	9.21248	1.26433	0.33837	1.26433
Sf3b1	NM_031179	0.003653	6.10025	10.9683	10.6311	1.26324	0.337126	1.26324
Rrp1	NM_010925	0.002144	7.042	9.94504	9.60898	1.2623	0.336053	1.2623
Trim26	NM_001025599	6.29E-05	17.4787	6.60331	6.26751	1.26208	0.335805	1.26208
Gm5072	NM_001114678	0.00394	5.9758	3.65244	3.31823	1.26069	0.33421	1.26069
Zdhhc6	NM_001033573	9.41E-05	15.7841	8.60614	8.27246	1.26023	0.333688	1.26023
Ctnnb1	NM_025680	0.001942	7.22976	8.15111	7.81754	1.26013	0.333571	1.26013
Anapc4	NM_024213	0.002332	6.88544	9.55722	9.22367	1.26011	0.33355	1.26011
Hspa4	NM_008300	0.004325	5.82541	9.49686	9.1634	1.26003	0.333457	1.26003
Ccl25	NR_033527	0.006017	5.31728	6.24753	5.91421	1.25991	0.333323	1.25991
Lce1h	NM_026335	0.00355	6.14819	5.82335	5.49004	1.2599	0.333307	1.2599
Agl	NM_001081326	0.005928	5.33929	7.82182	7.48997	1.25863	0.331851	1.25863
Mrps18b	NM_025878	0.003017	6.42496	9.15748	8.82585	1.25844	0.331634	1.25844
Oaz1	NM_008753	0.000343	11.357	11.1831	10.8521	1.25785	0.330959	1.25785
Chchd2	NM_024166	0.003021	6.42274	11.2865	10.957	1.25659	0.329519	1.25659
Atg9b	NM_001002897	7.33E-05	16.8181	5.94634	5.61684	1.25658	0.329499	1.25658
Slc4a1ap	NM_009206	0.001407	7.87341	7.4111	7.08173	1.25646	0.329366	1.25646
Polr2c	NM_009090	0.000774	9.20538	8.66063	8.33224	1.25561	0.328384	1.25561
Gapdh	GU214026	0.000941	8.74833	12.0959	11.7687	1.25458	0.32721	1.25458
Gm5072	NM_001114678	0.001454	7.80437	4.03068	3.70424	1.25392	0.326446	1.25392
Rbm42	NM_133693	0.003552	6.14709	7.92135	7.59597	1.25299	0.325379	1.25299
Ppia	NM_008907	0.003823	6.02542	12.393	12.0679	1.25276	0.32511	1.25276

Atpaf2	NM_145427	0.000735	9.32767	7.63804	7.31335	1.25239	0.324687	1.25239
Mki67ip	NM_026472	0.000361	11.2093	8.74782	8.42377	1.25184	0.324049	1.25184
Dhx15	NM_007839	0.006343	5.23941	10.6987	10.3764	1.25034	0.322315	1.25034
Prkcsh	NM_008925	0.00269	6.62639	9.8035	9.48119	1.25033	0.32231	1.25033
Chchd2	NM_024166	0.004102	5.91061	11.0829	10.762	1.24912	0.320917	1.24912
Rnh1	NM_001172101	0.001071	8.45733	9.53836	9.21851	1.2482	0.319852	1.2482
	---	0.002431	6.8093	8.06028	7.74217	1.2467	0.318109	1.2467
Tomm34	NM_025996	0.004171	5.88362	8.75829	8.44047	1.24645	0.317821	1.24645
Ankrd46	NM_175134	0.006374	5.23225	8.99774	8.68185	1.24478	0.315887	1.24478
Casp6	NM_009811	0.003949	5.97224	7.50474	7.18916	1.24451	0.315576	1.24451
Megf8	NM_001160400	0.00402	5.94335	7.70621	7.39106	1.24415	0.315156	1.24415
Cops6	NM_012002	0.006259	5.25894	9.64487	9.3302	1.24372	0.314664	1.24372
Pomp	NM_025624	0.006995	5.0975	10.4036	10.0896	1.24313	0.313975	1.24313
	---	0.005417	5.47484	4.36769	4.05416	1.24274	0.31353	1.24274
Atxn2	NM_009125	0.001634	7.56787	8.54231	8.22918	1.2424	0.313135	1.2424
	---	0.0014	7.88261	3.24416	2.93121	1.24225	0.312951	1.24225
	ENSMUST0000013103							
Rnf213	5	0.004836	5.64945	7.28798	6.97605	1.24137	0.311928	1.24137
Mfsd1	NM_025813	0.001438	7.82789	10.6825	10.3731	1.23915	0.309351	1.23915
Chd8	NM_201637	0.001828	7.34632	8.26606	7.95774	1.23826	0.308317	1.23826
Cspp1	NM_026493	0.006423	5.22099	7.27843	6.97086	1.23762	0.307564	1.23762
Scaf1	NM_001008422	0.005807	5.37004	7.37697	7.07	1.2371	0.306965	1.2371
Cpt1b	NM_009948	0.004397	5.79914	5.68374	5.37724	1.2367	0.306498	1.2367
	---	0.00073	9.34436	3.24545	2.93908	1.2366	0.306377	1.2366
Coro1b	NM_011778	0.004087	5.9166	10.4326	10.1276	1.23546	0.305047	1.23546
	---	0.004829	5.6517	10.2606	9.95632	1.23484	0.30432	1.23484
Rpl13a	NM_009438	0.001519	7.71611	12.5718	12.2685	1.23395	0.303288	1.23395
Edc4	NM_181594	0.00391	5.9886	7.99511	7.69227	1.23357	0.302845	1.23357
Nit1	NR_033728	0.003258	6.29276	7.84955	7.54877	1.23181	0.300783	1.23181
Zfp106	NM_011743	0.002459	6.78856	8.29844	7.99821	1.23133	0.300221	1.23133
Rnf168	NM_027355	0.000863	8.94863	7.74195	7.44288	1.23035	0.299074	1.23035

Zbtb2	NM_001033466	0.001007	8.59493	6.7117	6.41271	1.23028	0.298983	1.23028
Mrps15	NM_025544	0.007005	5.09543	9.15115	8.85248	1.23001	0.298671	1.23001
Tdg	NM_172552	0.000869	8.93107	7.89041	7.59272	1.22918	0.297692	1.22918
Vps37a	NM_033560	0.000335	11.4259	7.53485	7.23885	1.22773	0.295999	1.22773
Rbm33	NM_028234	9.78E-05	15.6325	7.61128	7.3171	1.22618	0.294172	1.22618
Ctu1	NM_145582	0.006066	5.30519	6.22464	5.93054	1.22612	0.2941	1.22612
Ppp5c	NM_011155	0.002472	6.77867	9.62743	9.33359	1.2259	0.293838	1.2259
Vmn2r-ps14	NR_002888	0.002426	6.81276	9.6729	9.38031	1.22485	0.2926	1.22485
	---	0.004895	5.63044	5.17686	4.88481	1.22438	0.292054	1.22438
Dctn3	NM_016890	0.002648	6.65494	8.02984	7.73988	1.2226	0.289957	1.2226
Gapdh	NM_008084	0.002912	6.4866	12.9568	12.668	1.22161	0.288789	1.22161
Aspscr1	NM_026877	0.005122	5.56028	8.22163	7.93317	1.22134	0.288464	1.22134
Tyw1	NM_001015876	0.006642	5.17227	7.52045	7.23233	1.22104	0.288116	1.22104
Sumo2	NM_133354	0.005027	5.58924	10.7293	10.4457	1.21724	0.283615	1.21724
	---	0.000746	9.2941	9.98884	9.70569	1.21685	0.283153	1.21685
R3hdm1	NM_181750	0.003384	6.22874	7.55425	7.27166	1.21637	0.282584	1.21637
Sh2b1	NM_011363	0.002302	6.90899	7.47434	7.19278	1.21551	0.281561	1.21551
Gm12070	NR_002890	0.006098	5.29726	12.863	12.582	1.21507	0.281043	1.21507
Spats1	NM_027649	0.001265	8.09594	4.19433	3.91338	1.215	0.280951	1.215
Mlf2	NM_145385	0.000213	12.8205	10.0719	9.79237	1.21383	0.279566	1.21383
	---	0.004923	5.62159	2.90862	2.62953	1.21343	0.279091	1.21343
Fau	NM_007990	0.006302	5.2489	10.878	10.6012	1.21147	0.276758	1.21147
BC067068	NM_207522	0.002899	6.49463	5.87714	5.60099	1.21096	0.276154	1.21096
Eif4g2	NM_013507	0.004357	5.81378	11.4551	11.18	1.21007	0.275089	1.21007
AW209491	NM_134067	0.005719	5.39294	6.52754	6.25264	1.20991	0.274899	1.20991
Abce1	NM_015751	0.001328	7.99356	10.413	10.1388	1.20933	0.274213	1.20933
Dvl3	NM_007889	0.006873	5.12282	7.22317	6.94954	1.20884	0.273629	1.20884
Cdc73	NM_145991	0.003508	6.16809	8.77441	8.50204	1.20779	0.272369	1.20779
D19Wsu162e	NM_001177812	0.005085	5.57149	9.30656	9.03461	1.20745	0.271958	1.20745
Mast4	NM_175171	0.00391	5.98858	7.1621	6.89047	1.20717	0.271631	1.20717
Qars	NM_133794	0.005824	5.36565	9.88122	9.60964	1.20713	0.271576	1.20713

Ctbp1	NM_013502	0.000684	9.50336	9.51591	9.24807	1.20401	0.267844	1.20401
Eif4e	NM_007917	0.002884	6.50345	10.2285	9.96267	1.20229	0.265786	1.20229
Zfp507	NM_177739	0.001437	7.82988	8.1631	7.90276	1.19776	0.260335	1.19776
	---	0.006174	5.27896	3.72651	3.46694	1.19712	0.259573	1.19712
	---	0.004116	5.90504	6.84686	6.58801	1.19652	0.258848	1.19652
Serpinb7	NM_027548	0.00057	9.96473	2.76385	2.50618	1.19555	0.257679	1.19555
Al894139	NM_178898	0.000411	10.8405	5.52249	5.26685	1.19386	0.255638	1.19386
Brd8	NM_030147	0.004651	5.71031	7.79185	7.53626	1.19383	0.255593	1.19383
Fam168a	BC079886	0.000565	9.98737	7.449	7.19484	1.19264	0.254159	1.19264
Tmco7	NM_173037	0.001563	7.65811	6.53026	6.27625	1.19252	0.254015	1.19252
Gm13637	XM_911155	6.87E-05	17.093	4.81622	4.56381	1.1912	0.25241	1.1912
Nudt9	NM_028794	0.004604	5.72642	8.77828	8.52631	1.19084	0.251976	1.19084
Rpl41	NM_018860	0.005714	5.39415	11.42	11.1681	1.19079	0.251919	1.19079
Rpl41	NM_018860	0.005714	5.39415	11.42	11.1681	1.19079	0.251919	1.19079
Rpl41	NM_018860	0.005714	5.39415	11.42	11.1681	1.19079	0.251919	1.19079
Sufu	NM_015752	0.000665	9.57407	7.07786	6.82678	1.1901	0.251081	1.1901
Srsf10	NM_001080387	0.004131	5.89905	9.96163	9.71091	1.1898	0.250724	1.1898
	---	0.000412	10.8297	3.47758	3.22746	1.18931	0.25012	1.18931
Rnf41	NM_001164237	0.004658	5.70789	7.90005	7.65073	1.18864	0.249313	1.18864
Sepn1	NM_029100	0.000531	10.1457	7.22454	6.97555	1.18837	0.24899	1.18837
Mfap3	NM_145426	0.005419	5.47415	8.26271	8.01488	1.18742	0.247825	1.18742
Srsf11	NM_001093752	0.000455	10.5589	8.90873	8.66216	1.18638	0.246563	1.18638
BC002230	NM_183155	0.005253	5.52175	7.06031	6.81551	1.18494	0.24481	1.18494
Gm10046	NR_033484	0.006919	5.11306	5.85614	5.6156	1.18143	0.240538	1.18143
Ube2d3	NM_025356	0.000999	8.61312	11.6271	11.3872	1.18086	0.239832	1.18086
Olf1034	NM_001011872	0.001887	7.28498	3.15799	2.91916	1.18003	0.238829	1.18003
Gira1	NM_020492	0.003948	5.97268	3.78758	3.5493	1.17958	0.238273	1.17958
Dld	NM_007861	0.005647	5.41211	9.45519	9.21711	1.17942	0.238078	1.17942
	---	0.005495	5.45321	2.57443	2.33637	1.1794	0.238054	1.1794
Rnf4	NM_011278	0.003257	6.29338	10.5499	10.3156	1.17633	0.234299	1.17633
Ces2b	NM_198171	0.005502	5.45134	4.07172	3.83756	1.17622	0.234159	1.17622

	---	0.003551	6.14741	3.35279	3.1214	1.17396	0.231384	1.17396
	---	0.005821	5.36642	5.82903	5.59931	1.1726	0.229714	1.1726
	---	0.002294	6.91566	5.85052	5.62208	1.17157	0.228439	1.17157
	---	0.006852	5.12717	2.94339	2.71544	1.17117	0.227954	1.17117
Clns1a	NM_023671	0.006735	5.15213	8.31579	8.09367	1.16645	0.222123	1.16645
	---	0.004206	5.87028	5.84773	5.62577	1.16632	0.221963	1.16632
	---	0.002482	6.77128	5.82591	5.60418	1.16614	0.221735	1.16614
	---	0.002482	6.77128	5.82591	5.60418	1.16614	0.221735	1.16614
	---	0.002482	6.77128	5.82591	5.60418	1.16614	0.221735	1.16614
	---	0.002482	6.77128	5.82591	5.60418	1.16614	0.221735	1.16614
Mapk1ip1	NM_001045483	0.007001	5.09615	6.61269	6.39514	1.16276	0.217551	1.16276
Raly	NM_001139513	0.002897	6.49551	9.46514	9.24811	1.16234	0.217037	1.16234
E4f1	NM_007893	0.004858	5.64241	7.8338	7.61694	1.1622	0.216861	1.1622
Slc15a5	NM_177787	0.003967	5.96493	4.59709	4.38268	1.16023	0.214411	1.16023
Nop14	NM_029278	0.000478	10.4251	9.0134	8.80423	1.15602	0.209171	1.15602
Slc10a7	NM_029736	0.006053	5.30843	7.42683	7.21779	1.15592	0.209038	1.15592
Tmem49	NM_029478	0.002166	7.02243	10.2515	10.0464	1.15276	0.205088	1.15276
Gm5177	NR_033630	0.000591	9.87039	11.8775	11.6753	1.15044	0.202189	1.15044
Gm8994	NM_001142734	0.004334	5.82225	5.50843	5.30913	1.14814	0.199298	1.14814
	---	0.001782	7.39655	2.81325	2.62092	1.1426	0.192325	1.1426
Flad1	NM_177041	0.005698	5.39856	6.24518	6.05447	1.14133	0.190711	1.14133
Cttnbp2nl	NM_030249	0.006833	5.13122	7.29713	7.11024	1.13831	0.18689	1.13831
1700024P16Rik	NM_001162980	0.00062	9.75004	3.54951	3.36512	1.13634	0.184395	1.13634
Rnf103	NM_009543	0.003861	6.00895	8.07305	7.88895	1.13611	0.184103	1.13611
Wdr18	NM_175450	0.006606	5.18002	8.05832	7.87861	1.13265	0.179708	1.13265
Ube2d3	NM_025356	0.004364	5.81111	11.4565	11.2778	1.13181	0.178632	1.13181
Amfr	NM_011787	0.004289	5.83882	4.86822	4.69709	1.12594	0.171131	1.12594
Phf1	NM_013629	0.005011	5.59407	7.192	7.02564	1.12222	0.166357	1.12222
	---	0.002793	6.56	5.4237	5.26298	1.11785	0.160723	1.11785
Rnf187	NM_022423	0.004449	5.78051	8.8041	8.64468	1.11684	0.159422	1.11684
	---	0.000748	9.28668	4.4568	4.29838	1.11607	0.158426	1.11607

Olf1r723	NM_001011530	0.005359	5.49123	3.58017	3.42488	1.11365	0.15529	1.11365
Mageb18	NM_173783	0.003796	6.03714	3.09643	2.9438	1.11159	0.152624	1.11159
	---	0.002963	6.45628	2.7949	2.6436	1.11057	0.151299	1.11057
Zfp397	NM_027007	0.006467	5.21097	7.743	7.59502	1.10802	0.147981	1.10802
Bloc1s3	NM_177692	0.002381	6.84745	7.90172	7.75639	1.10599	0.145332	1.10599
Slc25a34	NM_001013780	0.002215	6.98103	5.11254	4.97889	1.09706	0.133643	1.09706
4921521F21Rik	BC051128	0.000737	9.32099	3.53419	3.40514	1.09357	0.129043	1.09357
Llgl1	NM_008502	0.005481	5.45708	7.38207	7.25949	1.08869	0.122589	1.08869
Imm1p1	NM_028260	0.004161	5.88756	4.1676	4.04503	1.08868	0.122576	1.08868
Heph1	NM_001164797	0.003144	6.35409	3.38444	3.2688	1.08345	0.115638	1.08345
Adam3	NM_009619	0.002053	7.12374	3.41739	3.30736	1.07925	0.110031	1.07925
Gypa	NM_010369	0.005716	5.3938	2.84613	2.73945	1.07675	0.106687	1.07675
	---	0.004695	5.69571	4.51181	4.41516	1.06929	0.09665	1.06929
Olf1r1257	NM_146982	0.005505	5.4503	2.92327	2.82831	1.06804	0.09496	1.06804
Mir106a	NR_029657	0.004678	-5.70142	2.65739	2.74192	0.943089	-0.08453	-1.06035
Sdccag3	NM_026563	0.004927	-5.62031	7.65128	7.73847	0.941357	-0.08719	-1.0623
Spam1	NM_001079875	0.003636	-6.10804	2.65983	2.74903	0.940043	-0.0892	-1.06378
Olf1r994	NM_146433	0.006914	-5.11427	2.6584	2.74832	0.939571	-0.08993	-1.06432
	---	0.002157	-7.02981	2.8058	2.90289	0.934914	-0.0971	-1.06962
	---	0.005722	-5.39216	2.95877	3.05897	0.932907	-0.1002	-1.07192
8030411F24Rik	NM_030135	0.001362	-7.94123	3.26259	3.36738	0.929941	-0.10479	-1.07534
Fam32a	NM_026455	0.00505	-5.58232	8.12597	8.2533	0.915526	-0.12733	-1.09227
Galnt16	NM_175032	0.005876	-5.35257	3.90037	4.03175	0.912958	-0.13138	-1.09534
Ak4	NM_001177602	0.00019	-13.1999	6.03268	6.16619	0.911609	-0.13351	-1.09696
Wfikkn2	NM_181819	0.004844	-5.64662	4.02248	4.16576	0.905454	-0.14329	-1.10442
Olf1r376	NM_001172686	0.000791	-9.15134	3.15902	3.30414	0.904301	-0.14513	-1.10583
Ube2d2	NM_019912	0.001833	-7.34118	9.19007	9.33638	0.903556	-0.14631	-1.10674
Tbc1d9b	NM_029745	0.003081	-6.38846	7.94346	8.09341	0.901281	-0.14995	-1.10953
Isy1	NM_133934	0.005285	-5.51241	7.83386	7.98529	0.900355	-0.15144	-1.11067
	---	0.002278	-6.92826	3.76713	3.92322	0.897453	-0.15609	-1.11426
Cyp4f39	NM_177307	0.002142	-7.04291	3.7743	3.93112	0.897	-0.15682	-1.11483

Zfp408	NM_001033451 ENSMUST0000010333	0.003618	-6.11668	6.15439	6.31234	0.896297	-0.15795	-1.1157
Gm459	7	0.003203	-6.32186	4.45223	4.61093	0.895835	-0.1587	-1.11628
Olfr1219	NM_146899	0.004079	-5.91972	3.01043	3.16948	0.895616	-0.15905	-1.11655
Gm5820	NM_001033789	0.000179	-13.4059	3.92534	4.08545	0.894956	-0.16011	-1.11737
Olfr1509	NM_020514	0.005122	-5.56029	2.77962	2.94253	0.893222	-0.16291	-1.11954
	---	0.005075	-5.57455	2.49032	2.67187	0.881757	-0.18155	-1.1341
Olfr1066	NM_001011735	0.002953	-6.46251	2.50045	2.68553	0.879598	-0.18508	-1.13688
Tmem18	NM_172049	0.00077	-9.21728	8.14395	8.33045	0.878738	-0.1865	-1.138
	---	0.001461	-7.79454	6.62123	6.80962	0.87758	-0.1884	-1.1395
Atp9b	NM_015805	0.000158	-13.8499	7.89204	8.08121	0.87711	-0.18917	-1.14011
	---	0.001629	-7.57403	3.46656	3.65607	0.876905	-0.18951	-1.14038
	---	0.004191	-5.87583	3.33575	3.52532	0.876868	-0.18957	-1.14042
Mir379	NR_029880	0.001109	-8.3809	2.62965	2.82432	0.873772	-0.19467	-1.14446
	---	0.001914	-7.25714	2.56822	2.76305	0.873674	-0.19483	-1.14459
Naa35	NM_030153	0.004183	-5.87908	8.74231	8.94168	0.87093	-0.19937	-1.1482
	---	0.003111	-6.37184	4.94273	5.14287	0.870466	-0.20014	-1.14881
Cox16	NM_025461	0.003429	-6.20648	6.13772	6.33845	0.87011	-0.20073	-1.14928
	---	0.002521	-6.74285	3.29222	3.49634	0.868072	-0.20411	-1.15198
Tal1	NM_011527	0.004487	-5.76688	5.4998	5.70393	0.868059	-0.20414	-1.152
Ndfip2	NM_029561	0.003594	-6.12767	8.00882	8.21344	0.867766	-0.20462	-1.15238
	---	0.002487	-6.76802	7.54181	7.74645	0.867753	-0.20464	-1.1524
Nek9	NM_145138	0.007094	-5.0774	8.80371	9.00953	0.867048	-0.20582	-1.15334
Tnfsf4	NM_009452	0.000797	-9.13557	3.43005	3.63754	0.866041	-0.20749	-1.15468
Ppm1a	NM_008910	0.00502	-5.59129	8.61893	8.82711	0.865627	-0.20818	-1.15523
Hbxip	NM_026774	0.003735	-6.06383	7.73191	7.9435	0.863584	-0.21159	-1.15797
Trappc2	NM_025432	0.006608	-5.17959	7.95413	8.16615	0.863329	-0.21202	-1.15831
Atg4a	NM_174875 ENSMUST0000004335	0.006447	-5.21563	7.5565	7.76974	0.862597	-0.21324	-1.15929
Tmem156	2	0.000462	-10.5168	2.94589	3.16231	0.860698	-0.21642	-1.16185
	---	0.005656	-5.40958	5.36884	5.58801	0.85906	-0.21917	-1.16406
9430053O09Rik	AK140789	0.006114	-5.29358	3.16526	3.38617	0.85802	-0.22092	-1.16547

Ttc17	NM_183106	0.000799	-9.12963	7.74866	7.96965	0.857979	-0.22099	-1.16553
	---	0.00621	-5.2704	2.55869	2.7799	0.857846	-0.22121	-1.16571
Rps2	NM_008503	0.006978	-5.10086	12.5853	12.807	0.857534	-0.22174	-1.16614
	---	0.000431	-10.7112	5.08821	5.31003	0.857488	-0.22181	-1.1662
Morf4l1	NM_001039147	0.005906	-5.34474	11.0763	11.2987	0.857146	-0.22239	-1.16666
Tmem29	NM_001164684	0.000585	-9.89538	4.15064	4.37432	0.856382	-0.22367	-1.1677
Gm10445	ENSMUST0000010122							
	9	0.005279	-5.51405	4.18342	4.41328	0.852718	-0.22986	-1.17272
Slc17a4	NM_177016	0.001251	-8.11959	3.58005	3.8131	0.850833	-0.23305	-1.17532
	---	0.002203	-6.99042	12.8278	13.0619	0.850205	-0.23412	-1.17619
Tysnd1	NM_027912	0.001924	-7.24761	7.49788	7.73229	0.85003	-0.23441	-1.17643
	10-Mar NM_172568	0.002826	-6.53931	3.74095	3.97695	0.849096	-0.236	-1.17772
Olf472	NM_146774	0.001088	-8.42276	2.28264	2.51964	0.848508	-0.237	-1.17854
P2rx5	NM_033321	0.002002	-7.17084	4.99044	5.22766	0.848378	-0.23722	-1.17872
Supv3l1	NM_181423	0.00037	-11.1351	6.769	7.00991	0.846209	-0.24091	-1.18174
Fbxl3	NM_015822	0.006197	-5.27356	8.3301	8.57338	0.844825	-0.24328	-1.18368
Gnpda1	NM_011937	0.000583	-9.90476	7.2499	7.49388	0.844414	-0.24398	-1.18425
Wdr34	NM_001008498	0.004419	-5.79121	7.45822	7.70245	0.844266	-0.24423	-1.18446
Klhl20	NM_001039482	0.003397	-6.22227	7.35477	7.59932	0.844081	-0.24455	-1.18472
Stac	NM_016853	0.006722	-5.15491	4.00346	4.24816	0.843991	-0.2447	-1.18485
	---	0.003964	-5.96594	3.71677	3.9619	0.843741	-0.24513	-1.1852
4930408F14Rik	BC117727	0.002884	-6.50352	5.92565	6.1709	0.843668	-0.24525	-1.1853
Mcm3ap	NM_019434	0.005967	-5.32953	6.79789	7.04331	0.843566	-0.24543	-1.18544
Timm13	NM_013895	8.69E-05	-16.1092	7.86914	8.11662	0.842365	-0.24748	-1.18713
Pdcd6	NM_011051	8.03E-05	-16.4309	8.0319	8.28384	0.839768	-0.25194	-1.19081
	---	0.002334	-6.88334	5.42828	5.68111	0.839247	-0.25283	-1.19154
Csnk1a1	NM_146087	0.004634	-5.71625	10.2966	10.5515	0.838044	-0.2549	-1.19326
Nckap1	NM_016965	0.005061	-5.57892	10.0416	10.2982	0.837053	-0.25661	-1.19467
4930403L05Rik	NR_033171	0.002153	-7.03386	4.86537	5.1226	0.83669	-0.25723	-1.19519
Gm626	XM_985917	0.001269	-8.09019	3.58112	3.83956	0.835989	-0.25844	-1.19619
Atp5o	NM_138597	0.000993	-8.6268	8.49484	8.75585	0.834503	-0.26101	-1.19832

Ucn	NM_021290	0.002561	-6.71467	5.39945	5.66055	0.834447	-0.26111	-1.1984
Zfp592	NM_178707	0.002212	-6.98287	7.19355	7.45489	0.834316	-0.26133	-1.19859
Cacnb4	NM_001037099 ENSMUST0000010334	0.004217	-5.86604	3.93011	4.19249	0.833717	-0.26237	-1.19945
Gm10880	4	0.001966	-7.20581	3.65211	3.91631	0.832658	-0.2642	-1.20097
Mir98	NR_029753	0.003725	-6.068	3.59906	3.86492	0.831697	-0.26587	-1.20236
Cdk16	NM_011049	0.003751	-6.05675	7.96607	8.23365	0.830711	-0.26758	-1.20379
Ysk4	NM_011737	5.38E-05	-18.1828	3.46388	3.73221	0.830281	-0.26833	-1.20441
Psmid9	NM_026000	0.005174	-5.5449	7.73981	8.00837	0.830148	-0.26856	-1.2046
	---	0.005735	-5.38883	2.29338	2.5624	0.829884	-0.26902	-1.20499
Stx4a	NM_009294	0.004898	-5.62964	8.38167	8.6507	0.829876	-0.26903	-1.205
Hmcn1	NM_001024720	0.005197	-5.53823	2.82991	3.10019	0.829162	-0.27028	-1.20604
Cdc23	NM_178347	0.00079	-9.15701	8.50266	8.77675	0.826971	-0.27409	-1.20923
Kdelr1	NM_133950	0.003658	-6.0984	8.94737	9.22192	0.826703	-0.27456	-1.20962
Elov11	NM_019422	0.000764	-9.23482	8.58929	8.8645	0.826328	-0.27521	-1.21017
Med4	NM_026119	0.002982	-6.44507	7.06483	7.34189	0.825269	-0.27706	-1.21173
Speer4d	NM_025759	0.002226	-6.97114	3.14649	3.42629	0.823707	-0.2798	-1.21402
Mir708	NR_030489	0.000745	-9.29467	3.53017	3.81077	0.823247	-0.2806	-1.2147
Ttc39c	NM_028341	0.00094	-8.7493	6.64333	6.92695	0.821529	-0.28362	-1.21724
Sec61a2	NM_021305	0.004473	-5.77192	8.64427	8.93192	0.819231	-0.28766	-1.22066
	---	0.003775	-6.04594	6.84299	7.13167	0.818651	-0.28868	-1.22152
Vmn2r43	NM_198961	0.001238	-8.14285	4.02455	4.3134	0.81855	-0.28886	-1.22167
Pafah1b2	NM_008775	0.006876	-5.12216	9.28382	9.5754	0.817005	-0.29158	-1.22398
Vps24	NM_025783	0.005978	-5.32692	8.84067	9.13512	0.815379	-0.29446	-1.22642
Prm1	NM_013637	0.001454	-7.80549	4.55637	4.8511	0.81523	-0.29472	-1.22665
Mir376c	NR_030270	0.004274	-5.8443	2.31557	2.61099	0.814836	-0.29542	-1.22724
Galnt11	NM_144908	0.004985	-5.60217	7.53463	7.83219	0.813623	-0.29757	-1.22907
Fbxl17	NM_015794	0.004454	-5.77858	8.46213	8.76061	0.813108	-0.29848	-1.22985
2700062C07Rik	BC084681	0.002281	-6.92652	4.6813	4.98212	0.811793	-0.30082	-1.23184
Lemd2	NM_146075	0.002041	-7.13456	7.55321	7.8546	0.81147	-0.30139	-1.23233
Snap23	NM_001177792	0.00343	-6.20575	8.71625	9.01774	0.811415	-0.30149	-1.23242

Ptges2	NM_133783	0.006328	-5.24279	6.51989	6.82192	0.811109	-0.30203	-1.23288
Dpp8	NM_028906	0.005983	-5.32551	8.55403	8.8565	0.810862	-0.30247	-1.23326
Nek4	NM_011849	0.00681	-5.13595	6.17493	6.47889	0.810023	-0.30397	-1.23453
Morf4l1	NM_001039147	0.00125	-8.12244	7.52746	7.83202	0.809691	-0.30456	-1.23504
Cox7c	NM_007749	0.006759	-5.14684	9.48362	9.79061	0.808327	-0.30699	-1.23712
Med10	NM_138596	0.002234	-6.96477	8.75426	9.06367	0.806974	-0.30941	-1.2392
BC089597	NM_145424	0.0009	-8.84926	4.06328	4.37333	0.806615	-0.31005	-1.23975
Ttc37	NM_001081352	0.004019	-5.94379	8.11823	8.42887	0.806286	-0.31064	-1.24025
	---	0.000478	-10.4263	2.95148	3.26235	0.806156	-0.31087	-1.24045
	ENSMUST0000007022							
A230051N06Rik	5	0.00308	-6.38937	4.30771	4.6189	0.805978	-0.31119	-1.24073
Speer4e	NM_001122661	0.005525	-5.44496	3.01749	3.32946	0.805544	-0.31197	-1.2414
Bcl6b	NM_007528	0.003044	-6.40974	4.60599	4.9189	0.805019	-0.31291	-1.24221
	---	0.005201	-5.53697	2.33941	2.65338	0.804423	-0.31397	-1.24313
Rgs22	NM_001195748	0.00024	-12.4359	3.61358	3.9281	0.804123	-0.31451	-1.24359
Slc25a29	NM_181328	0.006293	-5.25091	5.88607	6.20114	0.803817	-0.31506	-1.24406
Nap1l4	NM_008672	0.000336	-11.4169	9.26947	9.58699	0.802444	-0.31753	-1.24619
Rab8b	NM_173413	0.001148	-8.30592	8.74791	9.06577	0.802261	-0.31786	-1.24648
Gcg	NM_008100	0.000504	-10.2871	3.41747	3.73618	0.801787	-0.31871	-1.24721
Wwp1	NM_177327	0.002214	-6.98167	7.52401	7.84296	0.801653	-0.31895	-1.24742
Ica1l	NM_027407	0.001157	-8.28728	3.61336	3.93442	0.800483	-0.32106	-1.24925
Smad4	NM_008540	0.000228	-12.6044	9.1324	9.45457	0.799862	-0.32218	-1.25022
	---	0.000494	-10.337	4.89642	5.22008	0.79904	-0.32366	-1.2515
Psm14	NM_021526	0.003622	-6.11452	8.58837	8.91299	0.798511	-0.32462	-1.25233
Mbtps1	NM_019709	0.003179	-6.33484	9.99212	10.3168	0.798494	-0.32465	-1.25236
Ulk4	NM_177589	0.002329	-6.88761	4.89298	5.21775	0.798424	-0.32477	-1.25247
Agbl2	NM_178755	0.00413	-5.89954	3.41946	3.74506	0.797965	-0.3256	-1.25319
Tmod2	NM_016711	0.003416	-6.21266	4.35183	4.67964	0.796742	-0.32782	-1.25511
Tusc1	NM_026954	0.002955	-6.46101	6.77077	7.09912	0.796447	-0.32835	-1.25558
H3f3a	NM_008210	0.002373	-6.85296	9.87916	10.2089	0.795697	-0.32971	-1.25676
Psmc1	NM_008947	0.005938	-5.33671	8.65771	8.989	0.794827	-0.33129	-1.25814

	---	0.001959	-7.21263	12.2996	12.6335	0.793382	-0.33391	-1.26043
H3f3a	NM_008210	0.005269	-5.51703	9.53024	9.86562	0.792579	-0.33537	-1.2617
Osbpl5	NM_024289	0.005718	-5.39322	7.29916	7.63527	0.792172	-0.33612	-1.26235
Plcb3	NM_008874	0.005709	-5.39564	7.83102	8.16814	0.791624	-0.33711	-1.26323
Foxs1	NM_010226	0.002744	-6.59153	4.99453	5.33209	0.791376	-0.33756	-1.26362
Gm10400	NR_033555	0.001826	-7.34869	3.49524	3.83315	0.791186	-0.33791	-1.26393
Ankrd16	NM_177268	0.001953	-7.21854	6.66461	7.00345	0.79068	-0.33884	-1.26473
Fsd1	NM_183178	0.000768	-9.22246	5.33545	5.67497	0.790308	-0.33951	-1.26533
Fut4	NM_010242	0.005533	-5.44278	4.61458	4.9551	0.789755	-0.34052	-1.26622
Shox2	NM_013665	0.006341	-5.23987	6.3889	6.72982	0.789535	-0.34093	-1.26657
Bend3	NM_199028	0.002524	-6.74117	5.79021	6.13184	0.789147	-0.34164	-1.26719
Setd3	NM_028262	0.000167	-13.6478	7.76485	8.10723	0.78874	-0.34238	-1.26785
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Srp9	NM_012058	0.002125	-7.05798	8.57643	8.91998	0.788099	-0.34355	-1.26888
	---	0.004388	-5.80225	5.3012	5.64602	0.787409	-0.34481	-1.26999
Gas2	NM_008087	0.002008	-7.16514	5.2795	5.62511	0.786972	-0.34562	-1.27069
	---	0.00456	-5.74157	6.81705	7.16297	0.786809	-0.34591	-1.27096
Vkorc11	NM_027121	0.005346	-5.49479	8.20399	8.55239	0.785453	-0.3484	-1.27315
	---	0.006775	-5.14353	10.7051	11.0542	0.785067	-0.34911	-1.27378
Cnpy2	NM_019953	0.004176	-5.8816	8.54424	8.89443	0.784476	-0.3502	-1.27474
Fsip1	NM_027759	0.000187	-13.2654	3.80822	4.15859	0.784386	-0.35037	-1.27488
Gm10012	NR_028042	0.005216	-5.5325	9.43126	9.78743	0.78124	-0.35616	-1.28002
Rft1	NM_177815	0.002744	-6.59133	7.90525	8.26282	0.780482	-0.35756	-1.28126
Tbrg1	NM_025289	0.005935	-5.33748	9.56965	9.92751	0.780319	-0.35786	-1.28153
	---	0.00693	-5.11091	4.20612	4.56469	0.779939	-0.35857	-1.28215
	---	0.003845	-6.0161	11.5256	11.885	0.779479	-0.35942	-1.28291
	---	0.000745	-9.29674	5.51105	5.87057	0.779423	-0.35952	-1.283
Rcor1	NM_198023	0.00034	-11.3787	7.70474	8.0647	0.779185	-0.35996	-1.28339
Ndufs6	NM_010888	0.001943	-7.22826	7.87008	8.23035	0.779021	-0.36027	-1.28366
Ifi2712b	NM_145449	0.004299	-5.83517	5.36767	5.72846	0.778742	-0.36078	-1.28412
Cdca4	NM_028023	0.00232	-6.89455	8.24278	8.6057	0.777588	-0.36292	-1.28603

	---	0.003836	-6.01996	2.94608	3.30921	0.777473	-0.36314	-1.28622
	---	0.00016	-13.8022	7.04048	7.40389	0.777323	-0.36342	-1.28647
Smok2a	NM_013741	0.003758	-6.05358	3.31797	3.68339	0.776242	-0.36542	-1.28826
Reep3	NM_178606	0.005958	-5.33176	8.15434	8.52051	0.775838	-0.36617	-1.28893
Fam195b	NM_001033231	0.000994	-8.6232	8.71986	9.08833	0.774603	-0.36847	-1.29098
Gm1673	BC147444	0.00393	-5.98	5.84824	6.21727	0.774307	-0.36902	-1.29148
Rplp1	NM_018853	0.001396	-7.88965	12.5204	12.8934	0.77216	-0.37303	-1.29507
Hiatl1	NM_133680	0.001127	-8.3462	8.26657	8.6403	0.771784	-0.37373	-1.2957
Ghrl	NM_021488	0.003119	-6.36786	5.22271	5.59763	0.771146	-0.37493	-1.29677
Pcdhb13	NM_053138	4.32E-05	-19.2165	4.37558	4.75051	0.771143	-0.37493	-1.29678
6430598A04Rik	NM_175521	0.002789	-6.56252	4.62836	5.00645	0.769457	-0.37809	-1.29962
Afg3l2	NM_027130	0.000212	-12.8458	8.1074	8.48593	0.769224	-0.37852	-1.30001
Tmem70	NM_027415	0.001745	-7.43822	7.49337	7.87277	0.768757	-0.3794	-1.3008
Taf9	NM_027592	0.006327	-5.24303	6.89389	7.27617	0.76722	-0.38229	-1.30341
Dpm3	NM_026767	0.00407	-5.92318	6.75686	7.1395	0.767031	-0.38264	-1.30373
Bicc1	NM_031397	0.002007	-7.1667	4.01094	4.39468	0.766446	-0.38374	-1.30472
Olfr1006	NM_146570	0.006555	-5.19126	3.72759	4.11139	0.766416	-0.3838	-1.30477
	---	0.002902	-6.49264	10.4396	10.8236	0.76627	-0.38408	-1.30502
Comtd1	NM_026965	0.006319	-5.24497	6.00089	6.38535	0.766065	-0.38446	-1.30537
	---	0.006337	-5.24067	11.5698	11.955	0.765695	-0.38516	-1.306
Rxra	NM_011305	0.005695	-5.39919	6.66774	7.05377	0.765232	-0.38603	-1.30679
	---	0.002702	-6.61868	3.17149	3.55795	0.765005	-0.38646	-1.30718
Elmo1	NM_080288	0.005229	-5.52867	3.62503	4.01174	0.764871	-0.38671	-1.30741
Ppan	NM_145610	0.002032	-7.14315	7.37055	7.7573	0.764848	-0.38676	-1.30745
Itsn1	NM_010587	0.0011	-8.39756	6.87023	7.2572	0.764731	-0.38698	-1.30765
	---	0.00355	-6.14807	8.79658	9.18474	0.764103	-0.38816	-1.30872
Ppp6c	NM_024209	0.000129	-14.5853	7.95713	8.34537	0.76406	-0.38824	-1.3088
Sec11a	NM_019951	0.000937	-8.75689	10.0053	10.3945	0.763591	-0.38913	-1.3096
	---	0.004919	-5.6229	7.76693	8.15642	0.7634	-0.38949	-1.30993
Manea	NM_172865	0.003884	-5.99925	7.80973	8.19946	0.763274	-0.38973	-1.31015
	---	0.007044	-5.08738	8.3195	8.70953	0.763114	-0.39003	-1.31042

Hgsnat	NM_029884	0.000342	-11.3644	9.39888	9.78892	0.76311	-0.39004	-1.31043
Gca	NM_145523	0.001779	-7.39937	3.1413	3.53149	0.763031	-0.39019	-1.31056
Ahsa1	NM_146036	0.005996	-5.32242	8.80868	9.20087	0.761971	-0.39219	-1.31239
D330045A20Rik	NM_175326	0.003435	-6.2035	3.36026	3.75374	0.761293	-0.39348	-1.31355
Oplah	NM_153122	0.005878	-5.35193	5.7606	6.15433	0.761157	-0.39373	-1.31379
Arhgef6	NM_152801	0.002764	-6.57825	3.31159	3.70567	0.760977	-0.39408	-1.3141
Cmpk2	NM_020557	0.000308	-11.674	3.26698	3.66191	0.760522	-0.39494	-1.31489
	---	0.002543	-6.72722	2.43811	2.8337	0.760181	-0.39559	-1.31548
Pin4	NM_027181	0.005368	-5.48878	7.77095	8.16796	0.759431	-0.39701	-1.31677
	---	0.005113	-5.56311	10.0377	10.4358	0.758869	-0.39808	-1.31775
Dock1	NM_001033420	0.000407	-10.8669	8.49967	8.89822	0.758623	-0.39855	-1.31818
Ss18	NM_009280	0.005151	-5.55183	7.05169	7.45024	0.758622	-0.39855	-1.31818
Ascc3	NM_001146089	0.003383	-6.22928	7.70402	8.10283	0.758481	-0.39882	-1.31842
B230354O11Rik	AK046228	0.003612	-6.11911	4.18625	4.58566	0.758171	-0.3994	-1.31896
Mrrf	NM_026422	0.001699	-7.49093	8.15299	8.5532	0.75775	-0.40021	-1.3197
Scarna13	NR_028576	0.003923	-5.98318	6.05721	6.46038	0.7562	-0.40316	-1.3224
Prss12	NM_008939	0.004872	-5.63772	4.98632	5.39029	0.755777	-0.40397	-1.32314
Hnrnpa0	NM_029872	0.000972	-8.67472	8.06571	8.47002	0.755598	-0.40431	-1.32346
Rbms2	NM_001039080	0.001419	-7.85527	8.96664	9.3714	0.755364	-0.40476	-1.32386
Amy2a5	NM_001042711	0.003512	-6.16626	3.05097	3.45618	0.755126	-0.40521	-1.32428
Amy2a5	NM_001042711	0.003512	-6.16626	3.05097	3.45618	0.755126	-0.40521	-1.32428
Amy2a5	NM_001042711	0.003512	-6.16626	3.05097	3.45618	0.755126	-0.40521	-1.32428
Amy2a5	NM_001042711	0.003512	-6.16626	3.05097	3.45618	0.755126	-0.40521	-1.32428
Hoxb3	NM_001079869	0.003632	-6.10982	5.81212	6.21777	0.754895	-0.40565	-1.32469
Pdcd6ip	NM_001164677	0.004113	-5.90609	8.82604	9.23346	0.75397	-0.40742	-1.32631
Mpzl1	NM_001083897	0.001444	-7.8192	8.1831	8.59151	0.753454	-0.40841	-1.32722
Pin4	NM_027181	0.00574	-5.38738	7.90132	8.31082	0.752883	-0.4095	-1.32823
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Dync2h1	NM_029851	0.007098	-5.07645	5.45384	5.86959	0.74963	-0.41575	-1.33399
Ccdc114	NM_001033243	0.003364	-6.23841	4.13006	4.54733	0.748842	-0.41727	-1.3354
	---	0.001685	-7.50692	11.0534	11.4722	0.748058	-0.41878	-1.3368

Ttpa	NM_015767	0.003733	-6.06477	3.46446	3.88364	0.747849	-0.41918	-1.33717
Fem1b	NM_010193	0.007021	-5.0921	8.14849	8.56823	0.747555	-0.41975	-1.33769
Glrx2	NM_001038592	0.003786	-6.04132	9.52658	9.94636	0.747539	-0.41978	-1.33772
Prss53	NM_001081268	0.003092	-6.38234	5.27944	5.69957	0.747357	-0.42013	-1.33805
Slc4a7	NM_001033270	0.006879	-5.12142	7.06075	7.48116	0.747213	-0.42041	-1.33831
Abcb10	NM_019552	0.006043	-5.31082	6.21557	6.63653	0.746929	-0.42096	-1.33882
Tep1	NM_009351	0.000804	-9.11379	6.51365	6.93565	0.746389	-0.422	-1.33978
Izumo4	NM_027829	0.001088	-8.42287	5.98913	6.41309	0.745374	-0.42396	-1.34161
E130012A19Rik	BC055770	0.005522	-5.44567	6.01246	6.43729	0.744923	-0.42484	-1.34242
Dym	NM_027727	0.004234	-5.85935	7.54309	7.96804	0.744865	-0.42495	-1.34252
Ttll9	NM_001083618	0.003517	-6.16383	4.47369	4.899	0.744678	-0.42531	-1.34286
Daf2	NM_007827	0.002404	-6.82928	2.80976	3.23558	0.744418	-0.42582	-1.34333
Hdac2	NM_008229	0.005113	-5.56311	9.24268	9.66864	0.744343	-0.42596	-1.34347
Srsy	EU052291	0.000881	-8.89843	2.86459	3.2907	0.744265	-0.42611	-1.34361
Mir434	NR_029953	0.001112	-8.37473	3.09202	3.5182	0.744227	-0.42619	-1.34368
Mfsd7c	NM_145447	0.002045	-7.13103	3.83019	4.25671	0.744056	-0.42652	-1.34398
Bdh1	NM_175177	0.001745	-7.43815	4.52588	4.95446	0.74299	-0.42858	-1.34591
Smad1	NM_008539	0.001076	-8.447	7.08812	7.51739	0.742638	-0.42927	-1.34655
Fbxw2	NM_013890	0.001245	-8.13061	8.01987	8.44925	0.742581	-0.42938	-1.34665
Zfp395	NM_199029	0.005753	-5.38417	6.88019	7.31084	0.741928	-0.43065	-1.34784
Tor1b	NM_133673	0.000647	-9.64353	8.61426	9.048	0.74034	-0.43374	-1.35073
Al317395	NM_144821	0.003405	-6.21792	4.88683	5.32142	0.739907	-0.43459	-1.35152
Npr2	NM_173788	0.005741	-5.3873	7.60461	8.0406	0.739185	-0.43599	-1.35284
Srp54c	NM_001100110	0.006652	-5.16993	9.34431	9.78148	0.73858	-0.43717	-1.35395
5133401N09Rik	NM_198004	0.004186	-5.87794	7.92619	8.36341	0.73856	-0.43721	-1.35399
Rundc2a	NM_001163498	0.002911	-6.48749	5.22264	5.66098	0.737985	-0.43834	-1.35504
Ier5l	NM_030244	0.001508	-7.73067	6.74648	7.18721	0.736758	-0.44074	-1.3573
Daglb	NM_144915	0.000787	-9.16469	6.12621	6.56711	0.736671	-0.44091	-1.35746
Arhgef9	NM_001033329	0.003554	-6.14639	6.51052	6.95222	0.736267	-0.4417	-1.3582
Rfwd2	NM_011931	0.002993	-6.43918	8.06429	8.50671	0.7359	-0.44242	-1.35888
Creb3l1	NM_011957	0.00214	-7.04495	7.2335	7.67636	0.735674	-0.44286	-1.3593

	ENSMUST0000006435							
1700036A12Rik	1	0.003988	-5.95624	5.09359	5.53697	0.735411	-0.44338	-1.35978
Mtx2	NM_016804	0.001418	-7.85671	7.29841	7.7432	0.734692	-0.44479	-1.36112
Cybas3	NM_201351	0.005727	-5.39089	8.16768	8.61254	0.734657	-0.44486	-1.36118
Cpsf3	NM_018813	0.001671	-7.52353	8.02719	8.47271	0.734319	-0.44552	-1.36181
Fundc1	NM_028058	0.003172	-6.33864	8.17117	8.61708	0.73412	-0.44591	-1.36218
Pcca	NM_144844	0.00428	-5.84205	7.24952	7.69746	0.733088	-0.44794	-1.36409
Sypl	NM_013635	0.001895	-7.27693	8.41979	8.86871	0.732593	-0.44892	-1.36501
Trpv2	NM_011706	0.005174	-5.54475	4.66612	5.11576	0.732225	-0.44964	-1.3657
Atp1a2	NM_178405	0.004005	-5.94948	5.26525	5.71521	0.73206	-0.44997	-1.36601
Lmbr1	NM_020295	0.005	-5.59744	7.58327	8.03372	0.731815	-0.45045	-1.36647
Speer4d	NM_025759	0.003762	-6.05161	2.9831	3.43363	0.731775	-0.45053	-1.36654
Arcn1	NM_145985	0.00084	-9.00952	8.60077	9.05139	0.731729	-0.45062	-1.36663
Timm10	NM_013899	0.000248	-12.3418	6.45447	6.90564	0.731454	-0.45116	-1.36714
Snora26	NR_031758	0.006523	-5.19837	6.6794	7.13078	0.731339	-0.45139	-1.36736
Ccdc85a	NM_181577	0.006109	-5.29482	4.29901	4.75099	0.731038	-0.45198	-1.36792
	---	0.001425	-7.8466	5.06571	5.51843	0.730666	-0.45272	-1.36861
Aldh5a1	NM_172532	0.005034	-5.58696	4.24695	4.70004	0.730474	-0.4531	-1.36897
Sall2	NM_015772	8.65E-05	-16.124	5.42558	5.87909	0.730262	-0.45351	-1.36937
Gne	NM_015828	0.00064	-9.67082	6.98547	7.44196	0.728756	-0.45649	-1.3722
Pogk	NM_175170	0.006842	-5.12928	5.99919	6.45719	0.727998	-0.45799	-1.37363
Syng1	NM_207708	0.0026	-6.68758	6.41276	6.87113	0.727805	-0.45838	-1.37399
Zc3h15	NM_026934	0.00198	-7.19192	8.19777	8.65687	0.72744	-0.4591	-1.37468
Ufc1	NM_025388	0.000761	-9.24491	8.08323	8.54234	0.727435	-0.45911	-1.37469
Ei24	NM_007915	0.002608	-6.68201	7.90807	8.36794	0.727054	-0.45987	-1.37541
Cdnf	NM_177647	0.000455	-10.5581	4.50236	4.96291	0.726706	-0.46056	-1.37607
Evc2	NM_145920	0.002542	-6.72786	6.74787	7.20851	0.726664	-0.46064	-1.37615
Lrrc8a	NM_177725	0.002082	-7.09723	7.56252	8.02353	0.726479	-0.46101	-1.3765
Ap4s1	NM_021710	0.001187	-8.2322	5.26063	5.72359	0.725495	-0.46296	-1.37837
Adam5	NM_007401	0.002763	-6.57887	3.08751	3.55114	0.725158	-0.46363	-1.37901
Ssbp2	NM_024272	0.00416	-5.88793	9.73266	10.1969	0.724874	-0.4642	-1.37955

Zfp295	NM_175428	0.005073	-5.57525	6.8419	7.30641	0.724719	-0.46451	-1.37984
Wtip	NM_207212	0.003609	-6.12041	6.91149	7.37607	0.724684	-0.46458	-1.37991
Srp19	NM_025527	0.001783	-7.3949	6.66869	7.13355	0.724539	-0.46486	-1.38019
Nme2	NM_008705	0.005298	-5.50864	9.86994	10.3349	0.724481	-0.46498	-1.3803
Tmed10	NM_026775	0.00298	-6.44645	7.9667	8.43187	0.724386	-0.46517	-1.38048
Rfwd2	NM_011931	0.004099	-5.91176	8.02804	8.49321	0.724386	-0.46517	-1.38048
	---	0.004645	-5.71244	10.3354	10.8017	0.723821	-0.4663	-1.38156
Thbs1	NM_011580	0.001665	-7.53055	11.7496	12.2167	0.723408	-0.46712	-1.38234
Osbpl7	NM_001081434	0.001799	-7.37735	5.59049	6.05833	0.723049	-0.46784	-1.38303
Rnf207	NM_001033489	0.004725	-5.68566	5.40435	5.87243	0.722927	-0.46808	-1.38326
	---	0.003125	-6.36418	5.00906	5.47739	0.722799	-0.46833	-1.38351
Dpagt1	NM_007875	0.002151	-7.03569	7.48266	7.951	0.722793	-0.46835	-1.38352
Impact	NM_008378	0.003707	-6.07601	10.7305	11.1993	0.722553	-0.46883	-1.38398
Srp54b	NM_001100109	0.005621	-5.41895	9.34742	9.81749	0.721931	-0.47007	-1.38517
Tmem14c	NM_025387	0.001513	-7.7234	8.02957	8.49979	0.721854	-0.47022	-1.38532
Col16a1	NM_028266	0.006588	-5.18393	7.38718	7.85911	0.721	-0.47193	-1.38696
Fam165b	NM_138743	0.001274	-8.08052	7.59345	8.06582	0.720775	-0.47238	-1.3874
Zfp217	NM_001033299	0.004749	-5.67774	6.4636	6.93605	0.720739	-0.47245	-1.38746
	---	0.003423	-6.20907	5.53836	6.01137	0.720464	-0.473	-1.38799
Ppp1cc	NM_013636	0.000267	-12.1067	10.4661	10.9414	0.71931	-0.47532	-1.39022
Cep350	NM_001039184	0.003194	-6.32657	6.84349	7.31918	0.719123	-0.47569	-1.39058
Polr3d	NM_025945	0.006185	-5.27655	6.79228	7.26968	0.71827	-0.4774	-1.39223
Wrnip1	NM_030215	0.000347	-11.3175	7.27344	7.75153	0.717928	-0.47809	-1.3929
Psma3	NM_011184	0.002047	-7.12922	8.89357	9.37176	0.717876	-0.47819	-1.393
Cxx1a	NM_024170	0.00097	-8.67792	7.80687	8.28586	0.717478	-0.47899	-1.39377
Srsy	EU052291	0.00045	-10.587	2.63278	3.11183	0.717453	-0.47904	-1.39382
Efhd2	NM_025994	0.002329	-6.88747	7.4681	7.94751	0.717271	-0.47941	-1.39417
Atpif1	NM_007512	0.000135	-14.4059	9.61409	10.0942	0.716905	-0.48015	-1.39488
Slc25a22	NM_026646	0.000161	-13.7796	6.46829	6.94862	0.716817	-0.48032	-1.39506
Herpud2	NM_020586	0.005026	-5.58961	8.77777	9.25856	0.716583	-0.48079	-1.39551
Ndufa11	NM_027244	0.002599	-6.68829	7.88957	8.37044	0.716546	-0.48087	-1.39558

Rps23	NM_024175	0.00347	-6.18609	10.2679	10.7488	0.716518	-0.48093	-1.39564
Cdk7	NM_009874	0.006188	-5.27571	8.05259	8.53537	0.715596	-0.48278	-1.39744
Max	NM_008558	4.40E-05	-19.1263	8.09371	8.57661	0.715534	-0.48291	-1.39756
Ppp1cc	NM_013636	0.001258	-8.10752	10.5081	10.9912	0.715435	-0.48311	-1.39775
	---	0.002538	-6.73062	10.6036	11.0878	0.714904	-0.48418	-1.39879
Alg5	---	0.001752	-7.42926	2.08815	2.57504	0.713561	-0.48689	-1.40142
	NM_025442	0.001856	-7.31744	7.77466	8.26286	0.712916	-0.4882	-1.40269
Tirap	---	2.06E-05	-23.1625	8.01568	8.50413	0.712795	-0.48844	-1.40293
	NM_001177845	0.003865	-6.00757	6.44012	6.92864	0.712757	-0.48852	-1.403
Caml	---	0.001648	-7.55079	10.8376	11.3266	0.712507	-0.48902	-1.40349
	NM_007596	0.001874	-7.29863	6.86452	7.35361	0.712472	-0.4891	-1.40356
Ilvbl	NM_173751	0.000701	-9.44443	7.32897	7.8182	0.712401	-0.48924	-1.4037
	---	0.006949	-5.10688	3.46492	3.95567	0.711656	-0.49075	-1.40517
Paqr8	NM_028829	0.005386	-5.48358	5.21825	5.70906	0.711629	-0.4908	-1.40523
Bend6	NM_177235	0.000799	-9.12915	3.82866	4.31966	0.71153	-0.491	-1.40542
Syap1	NM_025932	0.003644	-6.10475	7.35423	7.8456	0.71135	-0.49137	-1.40578
Col5a2	NM_007737	0.001146	-8.30905	10.3629	10.8571	0.709959	-0.49419	-1.40853
Srsy	EU052291	0.000537	-10.1159	2.8517	3.34654	0.709638	-0.49484	-1.40917
Anapc16	NM_025514	0.000896	-8.86127	8.68579	9.18263	0.708658	-0.49684	-1.41112
Itm2b	NM_008410	0.002226	-6.97138	11.3329	11.8304	0.708321	-0.49752	-1.41179
Mras	NM_008624	0.005109	-5.56423	5.85581	6.35448	0.707758	-0.49867	-1.41291
Srsy	EU052291	0.001584	-7.6309	2.85446	3.35332	0.707668	-0.49886	-1.41309
Bbs7	NM_027810	0.001267	-8.09319	5.86737	6.36762	0.706987	-0.50025	-1.41445
	---	0.000971	-8.67665	3.7782	4.27867	0.706877	-0.50047	-1.41467
Khk	NM_008439	0.005491	-5.45431	6.15442	6.6553	0.706674	-0.50088	-1.41508
Tdrd3	NM_172605	0.00175	-7.43197	7.54051	8.04186	0.706447	-0.50135	-1.41553
Rnase10	NM_029145	0.001775	-7.40451	3.26578	3.76779	0.706121	-0.50201	-1.41619
	---	0.00169	-7.50067	6.68544	7.18775	0.705975	-0.50231	-1.41648
	---	0.005413	-5.47605	3.0822	3.58468	0.705895	-0.50247	-1.41664
Mrps16	NM_025440	0.003858	-6.01021	7.64613	8.14909	0.705657	-0.50296	-1.41712
Leo1	NM_001039522	0.001155	-8.29262	6.2529	6.75651	0.705341	-0.50361	-1.41775

Hprt	NM_013556	0.000844	-8.99816	8.5725	9.07796	0.704434	-0.50547	-1.41958
Dock6	NM_177030	0.0031	-6.37802	6.14354	6.65072	0.703601	-0.50717	-1.42126
Erp44	NM_029572	0.006086	-5.30019	8.61657	9.12379	0.703576	-0.50722	-1.42131
Slc10a3	NM_145406	0.005677	-5.40395	6.80077	7.308	0.703575	-0.50722	-1.42131
Refbp2	NM_019484	0.006898	-5.11757	5.30098	5.80838	0.70349	-0.5074	-1.42148
Psen1	NM_008943	0.002078	-7.10018	8.37204	8.88006	0.703188	-0.50802	-1.4221
Mir411	NR_029916	0.000594	-9.85879	2.61924	3.13062	0.701548	-0.51139	-1.42542
Il17d	NM_145837	0.005752	-5.38441	4.74371	5.25655	0.700841	-0.51284	-1.42686
Anapc13	NM_181394	0.002649	-6.6543	8.43751	8.95272	0.699691	-0.51521	-1.4292
Eno2	NM_013509	0.002438	-6.80369	8.63634	9.15187	0.699536	-0.51553	-1.42952
	---	0.006478	-5.20849	2.80047	3.3164	0.699342	-0.51593	-1.42992
Vps26b	NM_178027	0.002034	-7.14086	8.06835	8.58572	0.698644	-0.51737	-1.43134
Gm505	BC158088	0.001508	-7.72995	6.40974	6.9278	0.698308	-0.51806	-1.43203
Dexi	NM_021428	0.002244	-6.9563	6.97452	7.49307	0.698074	-0.51855	-1.43251
Btg1	NM_007569	0.005069	-5.57654	10.9964	11.5152	0.697975	-0.51875	-1.43272
Pdxdc1	NM_053181	0.001582	-7.63291	8.46884	8.98973	0.696945	-0.52088	-1.43483
lqsec2	NM_001005475	0.004377	-5.80658	5.44776	5.96878	0.696876	-0.52103	-1.43498
Tmem185b	NM_146103	0.000382	-11.0479	6.38469	6.906	0.696735	-0.52132	-1.43527
	---	0.002299	-6.91143	5.10412	5.62555	0.696683	-0.52143	-1.43537
Gan	NM_001081151	0.000452	-10.5789	6.06346	6.58504	0.696608	-0.52158	-1.43553
Clip3	NM_001081114	0.000719	-9.3815	7.94472	8.46665	0.696443	-0.52192	-1.43587
Pnpla7	NM_146251	0.001801	-7.3753	6.49777	7.02306	0.69482	-0.52529	-1.43922
Al597468	NM_001013028	0.004353	-5.81503	7.70041	8.22601	0.69467	-0.5256	-1.43953
Mtap4	NM_008633	0.001461	-7.79472	7.90794	8.43381	0.694537	-0.52588	-1.43981
	---	0.002233	-6.96538	6.48313	7.00943	0.694334	-0.5263	-1.44023
Cxx1a	NM_024170	0.00107	-8.46016	7.80467	8.33138	0.694134	-0.52671	-1.44064
Fam110b	BC055683	0.002889	-6.50089	5.86093	6.38823	0.693851	-0.5273	-1.44123
	---	0.003137	-6.35758	9.61278	10.1401	0.693839	-0.52733	-1.44126
Spin1	NM_146043	0.000421	-10.776	8.62168	9.14929	0.693704	-0.52761	-1.44154
Kctd5	NM_027008	0.005661	-5.40817	8.31306	8.84285	0.692655	-0.52979	-1.44372
Casd1	NM_145398	0.003362	-6.23935	8.09227	8.62219	0.692593	-0.52992	-1.44385

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Gm4983	XR_106691	0.001861	-7.31212	5.94668	6.47831	0.691775	-0.53163	-1.44556
Gm4983	XR_106691	0.001861	-7.31212	5.94668	6.47831	0.691775	-0.53163	-1.44556
Gopc	NM_053187	0.000124	-14.7241	7.62722	8.15897	0.691715	-0.53175	-1.44568
	---	0.000107	-15.2699	9.913	10.4466	0.69082	-0.53362	-1.44756
Twist2	NM_007855	0.000684	-9.50601	8.4669	9.00088	0.690648	-0.53398	-1.44792
	---	0.004137	-5.89677	6.80496	7.3393	0.690475	-0.53434	-1.44828
	---	0.001887	-7.28505	8.8533	9.3884	0.690115	-0.53509	-1.44903
Tnnt3	NM_001163664	0.004606	-5.72547	6.05324	6.58922	0.68969	-0.53598	-1.44993
Chst2	NM_018763	0.004367	-5.80996	7.19732	7.73383	0.689437	-0.53651	-1.45046
Adamtsl1	NM_029967	0.003339	-6.25101	4.36894	4.90556	0.689384	-0.53662	-1.45057
Shroom1	NM_027917	0.001373	-7.92409	4.88692	5.42362	0.689344	-0.5367	-1.45065
Zcchc18	NM_001035510	0.000313	-11.6245	4.32982	4.86736	0.688946	-0.53754	-1.45149
Rplp1	NM_018853	0.001407	-7.87217	11.3865	11.9242	0.688912	-0.53761	-1.45156
Jak1	NM_146145	0.001916	-7.25511	9.79044	10.3281	0.688891	-0.53765	-1.45161
Ppif	NM_134084	0.002756	-6.58338	6.19025	6.72853	0.688588	-0.53829	-1.45225
Trmt61b	NR_015549	0.001243	-8.13403	3.81565	4.35557	0.687807	-0.53993	-1.4539
Olf1314	NM_146450	0.001023	-8.55886	3.00806	3.54889	0.687377	-0.54083	-1.45481
Smyd2	NM_026796	0.005142	-5.55449	7.34974	7.89128	0.687033	-0.54155	-1.45553
Tmem35	NM_026239	0.003255	-6.29429	4.10807	4.65121	0.686272	-0.54315	-1.45715
Gm5533	ENSMUST0000007098 7	0.003909	-5.98874	3.2208	3.76446	0.686029	-0.54366	-1.45766
Cpped1	NM_146067	0.00069	-9.48224	6.94409	7.48779	0.68601	-0.5437	-1.4577
Dlg2	NM_011807	0.0006	-9.83174	4.16799	4.71364	0.685086	-0.54564	-1.45967
Mettl11a	NM_170592	0.004385	-5.80352	7.97779	8.52424	0.684702	-0.54645	-1.46049
Ipo4	NM_024267	0.002816	-6.54574	8.91738	9.46446	0.684404	-0.54708	-1.46112
	---	0.001302	-8.03446	3.95548	4.50258	0.684394	-0.5471	-1.46115
Lamp2	NM_001017959	0.004844	-5.64684	10.8235	11.3717	0.683858	-0.54823	-1.46229
Chpt1	NM_144807	0.005283	-5.51306	7.71337	8.26218	0.683585	-0.54881	-1.46288
	---	0.006338	-5.24048	3.84653	4.39569	0.683418	-0.54916	-1.46323
Mgat2	NM_146035	0.002773	-6.57271	7.886	8.43518	0.683411	-0.54918	-1.46325

Tusc3	BC069898	0.001943	-7.22898	4.56849	5.1177	0.683392	-0.54921	-1.46329
Selk	NM_019979	0.003599	-6.12542	2.82507	3.37507	0.683021	-0.55	-1.46408
Gm6484	NM_001080940	0.000419	-10.7869	5.44689	5.99777	0.682601	-0.55089	-1.46498
Sytl5	NM_177704	0.004508	-5.75951	3.45212	4.00363	0.682305	-0.55151	-1.46562
Asph	NM_023066	0.004297	-5.83588	7.35489	7.90653	0.682244	-0.55164	-1.46575
Ddi2	NM_001017966	0.001604	-7.60504	7.64092	8.19264	0.682205	-0.55172	-1.46583
Tfdp1	NM_009361	0.004671	-5.7036	8.40291	8.95574	0.681681	-0.55283	-1.46696
	---	0.004025	-5.94117	8.93968	9.4928	0.681542	-0.55313	-1.46726
Ern1	NM_023913	0.006303	-5.24861	6.95886	7.51429	0.680452	-0.55544	-1.46961
Depdc6	NM_001037937	0.000894	-8.86556	7.76474	8.32035	0.68037	-0.55561	-1.46979
	---	0.00389	-5.9968	7.35047	7.90621	0.680307	-0.55574	-1.46993
2010107E04Rik	NM_027360	0.005992	-5.32325	9.47732	10.0331	0.680297	-0.55576	-1.46995
Mapk6	NM_015806	0.001606	-7.60276	8.32019	8.87623	0.680167	-0.55604	-1.47023
Manf	NM_029103	0.004021	-5.94281	8.27863	8.8347	0.680148	-0.55608	-1.47027
Npl	NM_028749	0.001652	-7.54584	3.92794	4.48404	0.68014	-0.5561	-1.47029
Sidt2	NM_172257	0.002069	-7.10895	8.55412	9.11102	0.67976	-0.5569	-1.47111
F830001A07Rik	AK089550	0.00422	-5.86478	4.62193	5.17887	0.67974	-0.55695	-1.47115
Apol6	NM_028010	0.004312	-5.83044	4.54911	5.10779	0.678921	-0.55869	-1.47293
Pigh	NM_029988	0.000255	-12.251	5.33764	5.89633	0.678916	-0.5587	-1.47294
Morf4l2	NM_019768	0.006256	-5.25976	9.80676	10.3667	0.678322	-0.55996	-1.47423
H2-K1	NM_001001892	0.006439	-5.21739	8.32977	8.89089	0.677775	-0.56112	-1.47542
Cebpb	NM_009883	0.001976	-7.1963	8.19123	8.75287	0.677531	-0.56164	-1.47595
Cep120	NM_178686	0.000888	-8.88215	7.15015	7.71204	0.677415	-0.56189	-1.4762
	---	0.000344	-11.3444	3.18156	3.74408	0.677121	-0.56252	-1.47684
Atp5sl	NM_025504	0.000961	-8.69929	6.15496	6.71796	0.676892	-0.563	-1.47734
Speer8-ps1	NR_001584	0.006081	-5.30146	4.623	5.18788	0.676009	-0.56489	-1.47927
Srsy	EU052291	0.003504	-6.17008	2.81014	3.37504	0.676002	-0.5649	-1.47929
Uimc1	NM_011307	8.82E-05	-16.0463	6.7131	7.27854	0.675751	-0.56544	-1.47984
Cltb	NM_028870	0.000434	-10.6921	7.74067	8.30622	0.6757	-0.56555	-1.47995
Akap13	NM_029332	0.002145	-7.04037	7.93311	8.49943	0.675337	-0.56632	-1.48074
Sh3pxd2b	NM_177364	0.001397	-7.88841	8.36282	8.92958	0.675131	-0.56676	-1.4812

Slc9a6	NM_172780	0.000203	-12.9788	8.06721	8.63404	0.675097	-0.56683	-1.48127
Hoxb5	NM_008268	0.001762	-7.41861	5.21261	5.77986	0.674901	-0.56725	-1.4817
Arhgap1	NR_027373	0.001619	-7.58647	7.65768	8.22566	0.674558	-0.56799	-1.48245
Clptm1l	NM_146047	0.000922	-8.79417	9.4355	10.0035	0.674536	-0.56803	-1.4825
Appl1	NM_145221	0.002805	-6.55269	7.652	8.22004	0.674534	-0.56804	-1.48251
Sh3bgrl	NM_019989	0.001245	-8.12965	10.1464	10.7147	0.674426	-0.56827	-1.48274
Vps8	NM_001081366	0.000611	-9.78471	7.40116	7.97143	0.673493	-0.57027	-1.4848
Ier3ip1	NM_025409	1.49E-05	-25.1158	7.82647	8.39733	0.673213	-0.57087	-1.48541
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Zdhhc1	NM_175160	0.002172	-7.01702	6.96562	7.53815	0.67244	-0.57252	-1.48712
Bach1	NM_007520	0.002956	-6.46041	7.96825	8.54233	0.671713	-0.57408	-1.48873
Fermt2	NM_146054	0.006463	-5.212	8.76951	9.34571	0.67073	-0.5762	-1.49091
Trappc4	NM_021789	0.001749	-7.43292	7.8364	8.41275	0.670661	-0.57634	-1.49107
Fam115a	BC031718	0.004228	-5.86177	8.51282	9.09206	0.669315	-0.57924	-1.49406
Laptm4a	NM_008640	0.001227	-8.16192	11.3445	11.924	0.669175	-0.57955	-1.49438
Cul7	NM_025611	0.000172	-13.5366	7.3356	7.91515	0.669173	-0.57955	-1.49438
Hlf	NM_172563	0.003572	-6.13787	4.64076	5.22191	0.668435	-0.58114	-1.49603
Ninl	NM_207204	0.002896	-6.49662	6.11325	6.69488	0.668208	-0.58163	-1.49654
Il1r2	NM_010555	0.005234	-5.52726	3.88938	4.47212	0.667692	-0.58274	-1.4977
Mmgt1	NM_146234	0.002864	-6.51614	7.47043	8.05479	0.666945	-0.58436	-1.49937
Cnih	NM_009919	0.003276	-6.28375	9.102	9.68717	0.666572	-0.58517	-1.50021
LOC100041704	ENSMUST0000010601 0	0.003028	-6.41894	2.81812	3.40338	0.666529	-0.58526	-1.50031
5430411K18Rik	NM_001195633	0.00181	-7.36571	6.60504	7.1909	0.666252	-0.58586	-1.50093
St8sia2	NM_009181	0.001381	-7.9123	4.46971	5.05592	0.666091	-0.58621	-1.5013
Mical2	NM_001193305	0.001014	-8.57861	7.6569	8.24406	0.665649	-0.58717	-1.50229
	---	0.004552	-5.74441	3.99989	4.58766	0.665372	-0.58777	-1.50292
Slc31a2	NM_025286	0.004768	-5.67132	7.51704	8.1071	0.664319	-0.59005	-1.5053
	---	0.000546	-10.0737	9.00953	9.60043	0.66393	-0.5909	-1.50618
Rnd3	NM_028810	0.000178	-13.4264	9.36758	9.95857	0.663888	-0.59099	-1.50628
Txndc11	NM_029582	0.001557	-7.66584	7.26833	7.86023	0.663467	-0.5919	-1.50723

Gm98	NM_001033481	0.000516	-10.2224	4.9982	5.59111	0.663003	-0.59291	-1.50829
Sgce	NM_001130190	0.000813	-9.08809	8.79221	9.38556	0.662804	-0.59335	-1.50874
Wdr82	NM_029896	0.000208	-12.8987	9.19992	9.79496	0.662028	-0.59504	-1.51051
Grin2d	NM_008172	0.000529	-10.1598	4.97279	5.56932	0.661345	-0.59653	-1.51207
Atad2b	NM_001099628	4.77E-05	-18.7487	6.41481	7.01255	0.660789	-0.59774	-1.51334
Znf512b	NM_001164597	0.002438	-6.80376	5.88423	6.48502	0.659396	-0.60078	-1.51654
Pdzrn3	NM_018884	0.00389	-5.99701	8.80398	9.40492	0.659324	-0.60094	-1.5167
	---	5.92E-05	-17.7522	9.0743	9.67528	0.65931	-0.60097	-1.51674
Xpr1	NM_011273 ENSMUST0000011307	0.001962	-7.21001	7.50541	8.10676	0.659134	-0.60136	-1.51714
Mcart6	0	0.001217	-8.17932	5.40677	6.00844	0.658994	-0.60166	-1.51746
Phf2	NM_011078	1.08E-05	-27.2624	6.56646	7.16814	0.658983	-0.60169	-1.51749
Zfp820	NM_029281	0.00681	-5.13612	4.14134	4.74313	0.658935	-0.60179	-1.5176
Nrbf2	NM_001036293	0.005476	-5.45851	6.90123	7.50303	0.658931	-0.6018	-1.51761
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Tm2d1	NM_053157	0.003287	-6.27795	7.84262	8.44563	0.658382	-0.603	-1.51888
Psmg1	NM_019537	0.001828	-7.34655	7.74247	8.34761	0.657407	-0.60514	-1.52113
A030009H04Rik	NR_027827	0.000163	-13.7256	4.91892	5.52496	0.656999	-0.60604	-1.52207
Mobkl2a	NM_172457	0.001085	-8.42961	7.45432	8.06137	0.656538	-0.60705	-1.52314
0610007P08Rik	NM_001013608 ENSMUST0000011140	0.005369	-5.48827	6.363	6.97124	0.655995	-0.60824	-1.5244
LOC100039552	7	0.004918	-5.62315	2.94709	3.55656	0.655437	-0.60947	-1.5257
Atf1	NM_007497	0.003528	-6.15835	7.54292	8.1524	0.655432	-0.60948	-1.52571
Srsy	EU052291 ENSMUST0000005584	0.001017	-8.57246	2.84539	3.45497	0.655388	-0.60958	-1.52581
Armcx4	2	0.001768	-7.41225	5.23926	5.84934	0.655157	-0.61009	-1.52635
Eif4ebp2	NM_010124	0.001819	-7.3567	6.47403	7.08446	0.655	-0.61043	-1.52672
Mir412	NR_029917	0.005149	-5.55242	4.0293	4.6404	0.654697	-0.6111	-1.52742
Pex11b	NM_011069	0.004214	-5.86726	6.8445	7.45611	0.654463	-0.61162	-1.52797
Srsy	XR_106493	0.000197	-13.0909	2.82929	3.44265	0.653673	-0.61336	-1.52982
Col11a1	NM_007729	0.007088	-5.07849	5.49492	6.10896	0.653364	-0.61404	-1.53054
Sh3bp5	NM_011894	0.003644	-6.10449	6.99156	7.60582	0.653267	-0.61426	-1.53077
LOC100043371	ENSMUST0000010156	0.000187	-13.2588	6.03669	6.65159	0.652973	-0.61491	-1.53146

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E2f6	NM_033270	0.001543	-7.68394	6.49147	7.10646	0.652935	-0.61499	-1.53155
Sytl5	NM_177704	0.004568	-5.73878	3.95745	4.57293	0.652711	-0.61548	-1.53207
Tbce	NM_178337	0.000655	-9.61327	7.28921	7.90531	0.652432	-0.6161	-1.53273
	---	0.001313	-8.01817	3.76833	4.38695	0.651296	-0.61862	-1.5354
	ENSMUST0000010601							
LOC100041704	0	0.006377	-5.23159	3.228	3.84663	0.65129	-0.61863	-1.53541
Zfp14	NM_011748	0.006805	-5.13718	5.91023	6.53067	0.650472	-0.62044	-1.53735
Cmtm3	NM_024217	0.000321	-11.5506	9.71378	10.3355	0.64989	-0.62173	-1.53872
G6pc3	NM_175935	0.002045	-7.1309	7.92672	8.54866	0.649796	-0.62194	-1.53894
Tead1	NM_001166584	0.003941	-5.97577	8.83709	9.45988	0.649411	-0.6228	-1.53986
Mir668	NR_030424	0.00137	-7.92877	5.18099	5.80383	0.649394	-0.62283	-1.5399
Mmadhc	NM_133839	0.000918	-8.80434	7.90713	8.53064	0.649091	-0.62351	-1.54062
Slc17a5	NM_172773	0.000627	-9.71972	8.16638	8.78996	0.649057	-0.62358	-1.5407
Tmed10	NM_026775	1.67E-05	-24.4282	9.5449	10.1702	0.648283	-0.6253	-1.54254
Gm5s	NM_146041	0.003828	-6.02306	7.08499	7.71101	0.647958	-0.62603	-1.54331
	---	0.003928	-5.98089	10.2234	10.8494	0.647955	-0.62603	-1.54332
Mir494	NR_030269	0.003529	-6.15815	4.21812	4.84421	0.647928	-0.6261	-1.54338
Agtppb1	NM_023328	0.001047	-8.50737	6.66075	7.28717	0.647783	-0.62642	-1.54373
Mir99a	NR_029535	0.005466	-5.46109	4.24424	4.87094	0.647659	-0.62669	-1.54402
Ddit4	NM_029083	0.00078	-9.1845	8.18266	8.8096	0.647547	-0.62694	-1.54429
Acat1	NM_144784	0.000412	-10.8314	8.35623	8.98355	0.647376	-0.62733	-1.5447
Irak1	NM_001177973	0.000142	-14.2233	7.09427	7.72248	0.646977	-0.62821	-1.54565
Rassf1	NM_019713	0.002407	-6.82687	7.06489	7.69391	0.646617	-0.62902	-1.54651
Evi2a	NM_001033711	0.005103	-5.56618	4.46122	5.09109	0.646232	-0.62988	-1.54743
Gm13777	XM_915186	0.000152	-13.9686	6.19705	6.82975	0.64497	-0.6327	-1.55046
Mir539	NR_030262	0.001457	-7.80062	2.62922	3.26237	0.644766	-0.63315	-1.55095
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Aldh3a2	NM_007437	0.004997	-5.59847	9.0916	9.72716	0.643688	-0.63557	-1.55355
Gm1973	NM_029288	0.002189	-7.00287	2.68356	3.31947	0.643534	-0.63591	-1.55392
Eif1a	NM_010120	0.001022	-8.56122	7.87946	8.51645	0.643054	-0.63699	-1.55508

Trp53bp2	NM_173378	0.00018	-13.396	7.11091	7.7496	0.642298	-0.63869	-1.55691
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Cr1l	NM_013499	0.002322	-6.89306	6.75915	7.40031	0.641195	-0.64117	-1.55959
Arf4	NM_007479	0.003108	-6.37372	10.6059	11.2472	0.641134	-0.6413	-1.55974
Tmed9	NM_026211	0.006454	-5.21396	7.83156	8.47577	0.63984	-0.64422	-1.56289
Cpxm2	NM_018867	0.0067	-5.15959	4.3157	4.96043	0.639608	-0.64474	-1.56346
Atg2b	NM_029654	0.004243	-5.85619	6.9343	7.57935	0.639475	-0.64504	-1.56378
Twf2	NM_011876	0.006494	-5.20499	6.31385	6.95962	0.639152	-0.64577	-1.56457
9430020K01Rik	NM_001081963	0.002387	-6.84226	7.43188	8.07879	0.638647	-0.64691	-1.56581
Hivep1	NM_007772	0.001543	-7.68367	7.13452	7.783	0.637954	-0.64848	-1.56751
Siva1	NM_013929	0.006963	-5.10398	6.77895	7.42889	0.637309	-0.64994	-1.5691
Zbtb34	NM_001085507	0.005878	-5.35206	5.85951	6.50985	0.63713	-0.65034	-1.56954
	---	0.002451	-6.7944	7.38792	8.03904	0.636782	-0.65113	-1.5704
Sec61b	NM_024171	0.001151	-8.30023	7.38481	8.03613	0.636695	-0.65133	-1.57061
Zc3h13	NM_026083	0.000174	-13.5031	7.34632	7.99795	0.636558	-0.65164	-1.57095
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Ust	BC138155	0.000784	-9.175	3.36498	4.01862	0.635675	-0.65364	-1.57313
	ENSMUST0000011594							
LOC665406	3	0.001546	-7.68023	2.84028	3.49405	0.635617	-0.65377	-1.57327
H13	NM_001159551	0.003042	-6.41084	8.86476	9.52004	0.634954	-0.65528	-1.57492
Nrbf2	NM_001036293	0.004578	-5.73534	6.84759	7.50353	0.63466	-0.65594	-1.57565
Nrbf2	NM_001036293	0.004578	-5.73534	6.84759	7.50353	0.63466	-0.65594	-1.57565
Nvl	NM_026171	0.000522	-10.1915	7.64353	8.30032	0.634285	-0.6568	-1.57658
Brp44	NM_027430	2.10E-05	-23.0346	6.88706	7.54392	0.634259	-0.65686	-1.57664
Abl1	NM_001112703	0.001099	-8.40038	7.72107	8.37907	0.633756	-0.658	-1.57789
Thnsl2	NM_178413	0.002107	-7.07415	4.67638	5.33455	0.633683	-0.65817	-1.57808
Elac1	NM_053255	0.005356	-5.49212	6.28242	6.9412	0.633411	-0.65879	-1.57875
Kiss1r	NM_053244	0.00419	-5.87633	5.17558	5.83682	0.632333	-0.66125	-1.58145
Epm2a	NM_010146	0.002553	-6.72013	4.34451	5.0067	0.631921	-0.66219	-1.58248
Mia3	NM_177389	0.003387	-6.22691	7.50773	8.17008	0.631847	-0.66235	-1.58266
Fastkd2	NM_172422	0.005852	-5.35866	6.55429	7.21685	0.631756	-0.66256	-1.58289

Sdcbp	NM_001098227	0.002557	-6.71731	9.94604	10.6112	0.630634	-0.66513	-1.58571
Itpkb	NM_001081175	0.001108	-8.38247	6.65194	7.31753	0.630433	-0.66558	-1.58621
Tsr2	NM_001164578	0.001036	-8.53039	7.30866	7.97446	0.630339	-0.6658	-1.58645
Cep350	NM_001039184	0.003117	-6.36868	6.27108	6.93708	0.630253	-0.666	-1.58666
Ap3b1	NM_009680	0.000257	-12.224	8.48893	9.15496	0.630238	-0.66603	-1.5867
Auh	NM_016709	0.003286	-6.27837	7.75915	8.42589	0.62993	-0.66674	-1.58748
Gng12	NM_001177560	0.005272	-5.51608	9.91958	10.5872	0.62955	-0.66761	-1.58843
Tprkb	NM_001170488	0.006946	-5.10751	7.72867	8.39656	0.629426	-0.66789	-1.58875
2200002K05Rik	BC055786	0.002467	-6.7827	4.02873	4.6972	0.629174	-0.66847	-1.58938
Abhd4	NM_134076	0.006719	-5.15551	8.51631	9.18532	0.628939	-0.66901	-1.58998
	---	0.005078	-5.57358	2.80861	3.47852	0.628547	-0.66991	-1.59097
Mrpl52	NM_026851	9.71E-05	-15.6604	7.67031	8.3409	0.628247	-0.6706	-1.59173
	ENSMUST0000008128							
Syngap1	5	0.003332	-6.25479	6.7611	7.43183	0.62819	-0.67073	-1.59188
	---	0.002531	-6.73631	9.16808	9.83909	0.628067	-0.67101	-1.59219
Sox12	NM_011438	0.000565	-9.98548	4.77604	5.44751	0.627868	-0.67147	-1.59269
Aldh2	NM_009656	0.002466	-6.78315	9.19493	9.86693	0.627637	-0.672	-1.59328
Mblac1	NM_177878	0.004245	-5.85529	5.22783	5.90194	0.62672	-0.67411	-1.59561
Dusp12	NM_023173	0.000571	-9.95925	5.86957	6.54602	0.625707	-0.67644	-1.59819
Tsnax	NM_016909	0.004768	-5.67139	7.48039	8.15716	0.625564	-0.67677	-1.59856
C230055K05Rik	NM_001039231	0.00699	-5.0985	4.47327	5.15059	0.625327	-0.67732	-1.59916
Ptp4a1	NM_011200	0.000505	-10.2784	9.47843	10.1565	0.624985	-0.67811	-1.60004
Mfap5	NM_015776	0.005757	-5.38301	8.27839	8.95691	0.624806	-0.67852	-1.6005
B930041F14Rik	NM_178699	0.003524	-6.16026	5.31736	5.99665	0.624471	-0.67929	-1.60136
Elovl5	NM_134255	1.53E-05	-24.9581	9.31685	9.99653	0.624301	-0.67969	-1.60179
Srsy	XR_106493	0.0027	-6.61991	3.1583	3.8397	0.623563	-0.68139	-1.60369
Stt3a	NM_008408	0.001529	-7.70278	10.8212	11.5051	0.622442	-0.68399	-1.60658
	ENSMUST0000010153							
9030624G23Rik	8	4.87E-05	-18.6455	5.97019	6.65467	0.622231	-0.68448	-1.60712
Maged1	NM_019791	0.003775	-6.04616	9.34024	10.0254	0.621951	-0.68513	-1.60784
Gm5458	NM_001024706	0.000136	-14.3897	4.11824	4.8038	0.621768	-0.68555	-1.60832
Epdr1	NM_134065	0.001172	-8.26056	8.90172	9.58731	0.62175	-0.68559	-1.60836

Adamts2	NM_175643	0.003875	-6.003	8.22391	8.90981	0.621617	-0.6859	-1.60871
6330403K07Rik	NM_134022	0.004257	-5.85075	4.64173	5.32767	0.621599	-0.68595	-1.60876
Ndufa1	NM_019443	0.003149	-6.35109	7.53883	8.22602	0.621062	-0.68719	-1.61014
Creb3l2	NM_178661	0.001844	-7.32926	7.06669	7.75401	0.621004	-0.68733	-1.61029
Gtf3c6	NM_026113	0.000535	-10.1301	6.32819	7.01697	0.620377	-0.68878	-1.61192
B4galt6	NM_019737	0.001095	-8.40869	6.03802	6.72735	0.620141	-0.68933	-1.61254
Rab3gap2	NM_001163754	0.001223	-8.16817	7.33966	8.02989	0.619753	-0.69024	-1.61355
Mir218-2	NR_029799	0.002954	-6.46148	3.94684	4.6371	0.619739	-0.69027	-1.61358
Ypel4	NM_001005342	0.0032	-6.32339	6.47335	7.16367	0.619716	-0.69032	-1.61364
Wnk3-ps	BC043119	0.00446	-5.77646	3.07202	3.76359	0.619179	-0.69157	-1.61504
Uchl1	NM_011670	0.005128	-5.55869	4.87519	5.56824	0.618545	-0.69305	-1.6167
	---	0.001619	-7.58711	2.92089	3.61542	0.617912	-0.69453	-1.61835
Parp6	NM_029922	0.002916	-6.48404	6.96376	7.65858	0.617785	-0.69482	-1.61869
Ppp4r4	NM_028980	0.001233	-8.15135	2.98264	3.67814	0.617494	-0.6955	-1.61945
Ap3s1	NM_009681	0.000397	-10.9342	7.87124	8.56734	0.617237	-0.6961	-1.62012
Def6	NM_027185	0.005495	-5.45323	5.14385	5.84201	0.616355	-0.69817	-1.62244
Adcy4	NM_080435	0.005856	-5.35749	5.11533	5.81383	0.616212	-0.6985	-1.62282
Ptp4a1	NM_011200	0.000448	-10.6021	9.48196	10.1809	0.61603	-0.69893	-1.6233
	---	0.006988	-5.09899	8.49199	9.19103	0.615982	-0.69904	-1.62342
	---	0.00021	-12.8654	8.8195	9.51984	0.61543	-0.70033	-1.62488
Stag3	NM_016964	0.004895	-5.63052	3.96093	4.6627	0.614819	-0.70177	-1.6265
Nsmaf	NM_010945	0.00552	-5.44621	7.39571	8.09823	0.614499	-0.70252	-1.62734
Ppib	NM_011149	0.000783	-9.17596	10.4618	11.1657	0.613893	-0.70394	-1.62895
Mir143	NR_029601	0.000828	-9.04559	5.2099	5.91497	0.613409	-0.70508	-1.63023
Srm	NM_009272	0.001257	-8.10967	7.82869	8.53432	0.613175	-0.70563	-1.63086
Pou6f1	NM_010127	0.003622	-6.1146	5.57795	6.28439	0.612831	-0.70644	-1.63177
Cln5	NM_001033242	0.002341	-6.878	6.90711	7.61385	0.612702	-0.70674	-1.63212
Pgrmc1	NM_016783	0.005597	-5.42526	8.32517	9.03254	0.612437	-0.70737	-1.63282
LOC100504530	XM_003085484	0.005554	-5.43707	3.07499	3.78244	0.612403	-0.70745	-1.63291
LOC100504530	XM_003085484	0.005554	-5.43707	3.07499	3.78244	0.612403	-0.70745	-1.63291
LOC100504530	XM_003085484	0.005554	-5.43707	3.07499	3.78244	0.612403	-0.70745	-1.63291

Spire1	NM_194355	0.001826	-7.34901	5.8615	6.56904	0.612362	-0.70754	-1.63302
Hccs	NM_008222	0.002913	-6.4864	7.91245	8.62106	0.611909	-0.70861	-1.63423
	---	0.001309	-8.02343	8.3477	9.05719	0.611535	-0.70949	-1.63523
4930583H14Rik	NR_028121	0.004923	-5.62169	3.37635	4.08594	0.611493	-0.70959	-1.63534
Arhgap20	NM_175535	0.000443	-10.6307	3.98062	4.69034	0.61144	-0.70972	-1.63548
	---	0.001404	-7.87675	3.03022	3.73998	0.611425	-0.70975	-1.63552
Zfp286	NM_138949	0.004098	-5.91194	3.86435	4.57532	0.610909	-0.71097	-1.63691
Gm1973	NM_029288	0.002836	-6.53319	3.39965	4.11126	0.610641	-0.7116	-1.63762
Slc35f5	NM_028787	3.93E-05	-19.6881	9.45344	10.1652	0.610579	-0.71175	-1.63779
Evc	NM_021292	8.52E-05	-16.1871	7.02147	7.73444	0.610065	-0.71297	-1.63917
2310079N02Rik	NM_025636	0.000552	-10.0443	5.93071	6.64467	0.609641	-0.71397	-1.64031
Fam84b	NM_001162926	0.001655	-7.54317	4.75539	5.46973	0.609485	-0.71434	-1.64073
Chsy1	NM_001081163	0.005896	-5.34745	8.94482	9.65987	0.609187	-0.71504	-1.64153
Aebp1	NM_009636	0.00104	-8.52281	10.8639	11.5805	0.60851	-0.71665	-1.64336
St5	NM_001001326	0.006597	-5.18215	7.09195	7.80972	0.608039	-0.71777	-1.64463
Pdap1	NM_001033313	0.00075	-9.28119	6.91013	7.62976	0.607253	-0.71963	-1.64676
Rsl1	NM_001013769	0.004866	-5.63961	5.11903	5.83963	0.606843	-0.7206	-1.64787
Siva1	NM_013929	0.000122	-14.7829	6.00874	6.72986	0.606623	-0.72113	-1.64847
Rnaseh1	NM_011275	0.005142	-5.55427	5.95366	6.6751	0.606491	-0.72144	-1.64883
Lima1	NM_001113545	0.00569	-5.4005	9.02768	9.74947	0.606343	-0.72179	-1.64923
Zfyve16	NM_173392	0.005368	-5.48854	6.38003	7.10448	0.605228	-0.72445	-1.65227
Cox5a	NM_007747	0.003208	-6.31925	8.33331	9.05785	0.605191	-0.72454	-1.65237
Serf1	NM_011353	0.00311	-6.37233	5.84675	6.57145	0.605123	-0.7247	-1.65256
Fam151b	NM_001163627	0.000688	-9.49088	4.82106	5.54631	0.604891	-0.72525	-1.65319
Ap3s1	NM_009681	0.001003	-8.60347	8.76141	9.48698	0.604759	-0.72557	-1.65355
Pgf	NM_008827	0.005181	-5.54286	4.35098	5.07692	0.604599	-0.72595	-1.65399
Hspg2	NM_008305	0.000361	-11.2031	8.07062	8.79684	0.604486	-0.72622	-1.6543
Sucla2	NM_011506	0.001938	-7.23348	8.29478	9.02116	0.604417	-0.72638	-1.65449
1810063B07Rik	NM_026209	0.000173	-13.5218	4.44148	5.16815	0.604298	-0.72667	-1.65481
Nkd1	NM_027280	0.000255	-12.2507	5.22588	5.95308	0.604072	-0.72721	-1.65543
Ssty2	NM_023546	0.004002	-5.95068	3.29194	4.02185	0.60294	-0.72991	-1.65854

	---	0.002455	-6.7909	10.1283	10.8585	0.602817	-0.73021	-1.65888
Clasp2	NM_001114347	0.00174	-7.44382	7.00438	7.73523	0.602548	-0.73085	-1.65962
	---	0.003177	-6.33594	3.99407	4.72502	0.602508	-0.73095	-1.65973
C530028O21Rik	NM_175696	0.004903	-5.62784	5.34596	6.07692	0.602506	-0.73095	-1.65973
Rps4y2	NR_003634	8.43E-06	-28.9875	5.14329	5.87441	0.602438	-0.73112	-1.65992
Ap3s1	NM_009681 ENSMUST0000010550	0.001446	-7.81606	7.7998	8.53154	0.602178	-0.73174	-1.66064
Foxo3	2	0.002601	-6.68655	9.4875	10.2211	0.601416	-0.73357	-1.66274
Capn7	NM_009796	0.002889	-6.50052	7.6681	8.40222	0.601184	-0.73412	-1.66338
	---	0.00075	-9.27933	4.53963	5.27447	0.600884	-0.73484	-1.66421
Lgmn	NM_011175 ENSMUST0000016264	0.001019	-8.56743	9.97883	10.7138	0.600836	-0.73496	-1.66435
Zmiz1	5	0.001439	-7.82647	9.35754	10.0927	0.600746	-0.73517	-1.6646
Gga2	NM_028758	0.000444	-10.6236	7.07164	7.80761	0.600412	-0.73598	-1.66552
	---	0.003101	-6.37768	8.34387	9.08006	0.600322	-0.73619	-1.66577
Glul	NM_008131	0.005351	-5.49345	8.334	9.07068	0.600119	-0.73668	-1.66633
Prdx1	NM_011034	0.006417	-5.22231	9.42972	10.1669	0.599931	-0.73713	-1.66686
Slc29a3	NM_023596	0.000289	-11.8629	6.79763	7.53497	0.599847	-0.73733	-1.66709
Adk	NM_134079	0.00032	-11.558	8.43894	9.17629	0.599839	-0.73735	-1.66711
Ptp4a1	NM_011200	0.000258	-12.2175	9.29059	10.0293	0.599283	-0.73869	-1.66866
Traf3ip2	NM_134000	0.003882	-6.00022	7.0453	7.78418	0.599203	-0.73888	-1.66888
Sirt1	NM_019812	0.006237	-5.26422	6.30955	7.04943	0.59879	-0.73988	-1.67004
Copz2	NM_019877	0.000288	-11.8769	9.34781	10.0878	0.598746	-0.73999	-1.67016
Rfpl4b	NM_001177783	0.00235	-6.87141	3.10628	3.8471	0.598396	-0.74083	-1.67113
Lix1l	NM_001163170	0.000834	-9.0279	9.10378	9.84576	0.597921	-0.74197	-1.67246
Mpp1	NM_008621	0.000189	-13.2282	8.11099	8.85452	0.597276	-0.74353	-1.67427
Atp6v1h	NM_133826	0.001884	-7.28765	8.22453	8.9689	0.596929	-0.74437	-1.67524
Itga4	NM_010576	0.003228	-6.30871	4.2314	4.97584	0.596899	-0.74444	-1.67532
Ntan1	NM_010946	0.000442	-10.6385	7.01446	7.76095	0.596051	-0.74649	-1.67771
Copb2	NM_015827	0.006818	-5.13427	9.94586	10.6924	0.596045	-0.74651	-1.67772
LOC100041256	BC089466	0.001327	-7.99453	3.42249	4.16946	0.595856	-0.74697	-1.67826
Stc2	NM_011491	0.005169	-5.54626	4.74885	5.50045	0.593947	-0.75159	-1.68365

Nptx1	NM_008730	0.000924	-8.78912	4.90077	5.65254	0.593875	-0.75177	-1.68386
	---	0.003284	-6.27919	4.38861	5.14082	0.593692	-0.75221	-1.68437
Hhat	NM_144881	0.000328	-11.4901	4.92736	5.68094	0.593132	-0.75357	-1.68596
Ptp4a1	NM_011200	0.000214	-12.8037	9.19081	9.94512	0.59283	-0.75431	-1.68682
Lgals8	NM_018886	0.000844	-9.00013	8.80731	9.56232	0.592542	-0.75501	-1.68765
Dusp19	NM_024438	0.001735	-7.44873	6.65051	7.40631	0.592218	-0.7558	-1.68857
	---	0.004567	-5.73894	8.68309	9.43957	0.591942	-0.75647	-1.68936
Gnl3	NM_153547	0.000506	-10.2723	8.41154	9.16868	0.591664	-0.75715	-1.69015
Cacnb2	NM_023116	0.003665	-6.09504	6.33926	7.09779	0.591096	-0.75854	-1.69177
Zfp810	NM_145612	0.002217	-6.97889	4.06153	4.82026	0.591015	-0.75873	-1.692
Zfp618	NM_028326	0.005768	-5.38007	5.01779	5.77662	0.590977	-0.75883	-1.69211
Sec61b	NM_024171	0.002381	-6.84689	5.93515	6.69776	0.58943	-0.76261	-1.69655
Ngly1	NM_021504	0.001532	-7.69762	7.09319	7.85631	0.58922	-0.76312	-1.69716
Ear1	NM_007894	0.000404	-10.8849	3.57925	4.34381	0.588636	-0.76455	-1.69884
	---	0.002604	-6.68491	3.23616	4.00079	0.588601	-0.76464	-1.69894
Bdh2	NM_001172055	0.006095	-5.29812	8.37727	9.14458	0.587509	-0.76732	-1.7021
Ifi2711	NM_026790	0.002623	-6.67201	8.744	9.51195	0.587251	-0.76795	-1.70285
Hoxd9	NM_013555	0.000284	-11.9182	4.99532	5.7636	0.58712	-0.76827	-1.70323
Gk5	NM_177352	0.005879	-5.35178	5.77139	6.54039	0.586824	-0.769	-1.70409
Camp	NM_009921	0.004404	-5.79672	4.9171	5.68768	0.586184	-0.77057	-1.70595
Nbas	NM_027706	0.001287	-8.05888	6.80747	7.57846	0.586016	-0.77099	-1.70644
Sec61b	NM_024171	0.002632	-6.66585	6.58229	7.35357	0.5859	-0.77128	-1.70678
Hoxb8	NM_010461	0.003055	-6.40343	4.76012	5.53172	0.585767	-0.7716	-1.70716
E130311K13Rik	BC125500	0.000725	-9.36295	6.43032	7.20202	0.585725	-0.77171	-1.70729
Ddx50	NM_053183	1.20E-05	-26.5042	8.50824	9.2802	0.58562	-0.77196	-1.70759
Gm13363	NR_002688	0.000376	-11.092	9.12066	9.8927	0.58559	-0.77204	-1.70768
	---	0.001695	-7.49464	3.22769	4.00027	0.585367	-0.77259	-1.70833
Reep5	NM_007874	0.000341	-11.3707	8.00581	8.77858	0.585292	-0.77277	-1.70855
Vill	NM_001164567	0.005783	-5.37636	5.38597	6.15895	0.585207	-0.77298	-1.7088
	---	0.000757	-9.25753	3.39449	4.16751	0.585191	-0.77302	-1.70884
Rtl1	NM_184109	0.0013	-8.03874	5.05217	5.82882	0.583719	-0.77665	-1.71315

Qsox1	NM_001024945	0.000628	-9.71791	9.38057	10.1578	0.583482	-0.77724	-1.71385
Adamts10	NM_172619	0.001291	-8.05257	6.312	7.08942	0.583412	-0.77741	-1.71405
Ssty2	NM_023546	0.002462	-6.7858	3.35442	4.13215	0.583283	-0.77773	-1.71443
Uggt2	NM_001081252	0.003973	-5.96249	7.80299	8.58101	0.583168	-0.77802	-1.71477
Ssty2	NM_023546	0.005603	-5.42367	3.06537	3.84343	0.58315	-0.77806	-1.71482
	---	3.19E-05	-20.7434	8.88303	9.66134	0.58305	-0.77831	-1.71512
Smpd2	NM_009213	0.002339	-6.88014	7.09906	7.87827	0.582686	-0.77921	-1.71619
Galnt2	NM_139272	0.001998	-7.17464	8.09585	8.87619	0.582231	-0.78034	-1.71753
Tmed8	NM_001033475	0.005858	-5.35715	5.70388	6.48538	0.581759	-0.78151	-1.71892
Tet1	NM_027384	0.0055	-5.45175	4.12637	4.9084	0.581546	-0.78203	-1.71955
Akap11	NM_001164503	0.005248	-5.52299	8.14317	8.92568	0.581357	-0.78251	-1.72011
Ssty2	NM_023546	0.005731	-5.38974	3.54474	4.32846	0.580867	-0.78372	-1.72157
	---	0.004484	-5.76801	5.57244	6.35675	0.580632	-0.7843	-1.72226
Dnaja4	NM_021422	0.000811	-9.09425	6.69647	7.48174	0.580246	-0.78526	-1.72341
Ifnar1	NM_010508	0.000158	-13.8421	7.72	8.50565	0.580093	-0.78565	-1.72386
Pja1	NM_001083110	0.003106	-6.37474	7.37155	8.15968	0.579094	-0.78813	-1.72683
Btbd6	NM_201646	0.000349	-11.3038	5.21733	6.00618	0.578803	-0.78886	-1.7277
Foxo3	NM_019740	0.001282	-8.06822	8.00728	8.79637	0.578709	-0.78909	-1.72799
Ifitm5	NM_053088	0.006916	-5.11378	6.07252	6.86178	0.57864	-0.78926	-1.72819
Prickle3	NM_175097	0.005982	-5.32592	4.81715	5.60659	0.578571	-0.78944	-1.7284
Rhobtb3	NM_028493	0.000458	-10.5419	7.32523	8.11508	0.578407	-0.78984	-1.72889
Pias2	NM_001164168	0.000414	-10.8222	7.70253	8.49374	0.577859	-0.79121	-1.73053
Rpl11	NM_025919	0.004354	-5.81485	9.04033	9.83226	0.577572	-0.79193	-1.73138
Kdr	NM_010612	0.005378	-5.48585	3.92253	4.71491	0.577392	-0.79238	-1.73193
Txndc5	NM_145367	0.000905	-8.83662	9.68875	10.4819	0.577086	-0.79314	-1.73284
Pls3	NM_145629	0.005877	-5.35229	9.84616	10.6405	0.576602	-0.79435	-1.7343
Gm7120	NM_001039244	0.004147	-5.8931	7.29665	8.09165	0.576342	-0.795	-1.73508
Ltbr	NM_010736	0.001672	-7.52218	7.25207	8.04713	0.576321	-0.79506	-1.73515
Mrpl24	NM_026591	0.006524	-5.19813	8.39495	9.19079	0.576008	-0.79584	-1.73609
Dpm2	NM_010073	0.003904	-5.99083	7.97171	8.768	0.575828	-0.79629	-1.73663
Gm1973	NM_029288	0.000131	-14.5176	3.10764	3.90443	0.575626	-0.7968	-1.73724

	ENSMUST0000009750							
Gm10524	3	0.003031	-6.41712	5.96461	6.76272	0.575102	-0.79811	-1.73882
Kcnma1	NM_010610	0.005371	-5.48782	4.10733	4.90562	0.57503	-0.79829	-1.73904
Fam36a	NM_025511	0.000244	-12.3834	6.43737	7.23612	0.574847	-0.79875	-1.73959
Tmcc2	NM_178874	0.002035	-7.14006	5.0029	5.80336	0.574169	-0.80045	-1.74165
Anks6	NM_001024136	0.002288	-6.92044	4.48188	5.28288	0.573949	-0.80101	-1.74231
Diap2	NM_172493	0.004852	-5.64429	6.39251	7.19454	0.573541	-0.80203	-1.74355
Fgfr1	NM_010206	0.003391	-6.22497	9.13051	9.93281	0.573435	-0.8023	-1.74388
Nln	NM_029447	0.003222	-6.31208	6.80705	7.61028	0.573064	-0.80323	-1.74501
Fzd7	NM_008057	0.002917	-6.48348	8.31789	9.12135	0.572972	-0.80346	-1.74528
Fut11	NM_028428	0.000187	-13.2585	7.34498	8.14927	0.572642	-0.80429	-1.74629
Stag1	NM_009282	0.000129	-14.5791	8.13958	8.94481	0.572271	-0.80523	-1.74742
Steap3	NM_001085409	0.001174	-8.25574	8.62457	9.43187	0.571448	-0.80731	-1.74994
Tmem167	NM_025335	0.005022	-5.59071	8.27106	9.07932	0.571071	-0.80826	-1.7511
Arl15	NM_172595	0.002164	-7.02374	7.24197	8.05079	0.570852	-0.80881	-1.75177
Ehd3	NM_020578	0.002104	-7.07703	5.54012	6.34946	0.570643	-0.80934	-1.75241
Slc25a1	NM_153150	0.000123	-14.755	7.65764	8.46698	0.570641	-0.80934	-1.75241
Pgm3	NM_028352	0.005026	-5.58943	6.72558	7.53807	0.569399	-0.81249	-1.75624
Npc2	NM_023409	0.001961	-7.21042	9.40582	10.2193	0.569022	-0.81344	-1.7574
Mir496	NR_030437	0.000944	-8.73974	3.02283	3.83661	0.568887	-0.81379	-1.75782
6720456H2ORik	NM_172600	0.000473	-10.4536	6.45283	7.26746	0.568553	-0.81463	-1.75885
Ssr1	NM_025965	0.002061	-7.11572	9.29653	10.1132	0.567769	-0.81662	-1.76128
Fam38a	NM_001037298	0.005104	-5.56589	7.76481	8.58299	0.567158	-0.81818	-1.76318
Tm9sf2	NM_080556	0.001512	-7.72465	9.52955	10.3478	0.567113	-0.81829	-1.76332
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Igsf8	NM_080419	0.000604	-9.81745	6.40397	7.22443	0.566265	-0.82045	-1.76596
Adamtsl1	NM_029967	0.00267	-6.64018	4.68161	5.50261	0.56605	-0.821	-1.76663
Lrrc49	NM_145616	0.001014	-8.57949	7.52544	8.34669	0.565952	-0.82125	-1.76693
Isca1	NM_026921	0.002777	-6.57035	8.02769	8.84948	0.56574	-0.82179	-1.7676
Cpt1c	NM_153679	0.004836	-5.64931	7.24462	8.06671	0.565621	-0.82209	-1.76797
Gpc6	NM_001079844	0.005257	-5.52044	8.20359	9.02645	0.565318	-0.82286	-1.76891

rp9	NM_018739	0.004651	-5.71027	6.16205	6.98603	0.564882	-0.82398	-1.77028
Lpgat1	NM_001134829	0.003103	-6.37643	7.85844	8.68355	0.564438	-0.82511	-1.77167
Gm3579	AY140896	0.006384	-5.22987	3.7509	4.57718	0.563981	-0.82628	-1.77311
Arsg	NM_028710	0.002579	-6.70216	5.19249	6.01889	0.563932	-0.82641	-1.77326
Zc3h12c	NM_001162921	0.000254	-12.2677	6.96599	7.79252	0.563884	-0.82653	-1.77341
Synpo2	NM_080451	0.001313	-8.01803	4.42007	5.24732	0.563599	-0.82726	-1.77431
C2cd2	NM_174847	0.003892	-5.99589	5.59396	6.42211	0.563252	-0.82815	-1.7754
Adam33	NM_033615	0.000815	-9.08256	5.6442	6.47235	0.563251	-0.82815	-1.77541
Prrc1	NM_028447	0.001071	-8.45666	7.34701	8.17556	0.563096	-0.82855	-1.77589
Serinc5	NM_172588	0.000983	-8.64781	8.04385	8.87433	0.562343	-0.83048	-1.77828
Ptpn9	NM_019651	0.001015	-8.57704	7.53885	8.37079	0.561771	-0.83195	-1.78008
Nrip1	NM_173440	0.000359	-11.2265	6.62155	7.45458	0.56135	-0.83303	-1.78142
Fmn1	NM_010230	0.001671	-7.52389	5.31411	6.14774	0.561117	-0.83363	-1.78216
	---	0.003938	-5.97683	7.04936	7.88367	0.560849	-0.83432	-1.78301
Mir381	NR_029882	0.000858	-8.96105	2.8024	3.63696	0.560753	-0.83456	-1.78332
Rab40b	NM_139147	0.004556	-5.74276	5.00616	5.84129	0.560532	-0.83513	-1.78402
Tmem39a	NM_026407	0.002838	-6.53218	9.37293	10.2105	0.55959	-0.83756	-1.78702
B4galt1	NM_022305	0.00013	-14.535	8.86526	9.7032	0.559441	-0.83794	-1.7875
Plxna2	NM_008882	0.002971	-6.45197	6.28973	7.12795	0.559332	-0.83822	-1.78785
Cmpk1	NM_025647	0.004627	-5.71859	7.86884	8.70819	0.558895	-0.83935	-1.78924
Emilin1	NM_133918	0.004003	-5.95028	8.65823	9.49884	0.558406	-0.84061	-1.79081
Gm8008	XM_001477516	0.004714	-5.68938	3.9543	4.79505	0.558353	-0.84075	-1.79098
Gm13251	NM_001085522	0.000272	-12.0542	8.88102	9.72226	0.558164	-0.84124	-1.79159
LOC100504530	XM_003085484	0.003076	-6.39177	3.25864	4.09991	0.558152	-0.84127	-1.79163
LOC100504530	XM_003085484	0.003076	-6.39177	3.25864	4.09991	0.558152	-0.84127	-1.79163
Rab18	NM_181070	0.003913	-5.98728	8.71148	9.55281	0.55813	-0.84133	-1.7917
2310008H04Rik	BC089026	0.006191	-5.27514	6.6411	7.48261	0.558058	-0.84151	-1.79193
Parp16	NM_177460	0.001852	-7.32143	5.06328	5.90681	0.557277	-0.84353	-1.79444
	---	0.004467	-5.7739	6.62295	7.46748	0.556892	-0.84453	-1.79568
Sntb2	NM_009229	0.003552	-6.14706	7.45142	8.29765	0.556234	-0.84624	-1.7978
Ehhadh	NM_023737	0.003864	-6.00794	4.09717	4.94422	0.555921	-0.84705	-1.79882

Gm2695	XR_106736	0.002305	-6.90664	7.39047	8.23784	0.555799	-0.84737	-1.79921
Tbc1d8b	NM_001081499	0.001738	-7.44521	8.01342	8.86276	0.555035	-0.84935	-1.80169
Atp7a	NM_001109757	0.001256	-8.11185	7.32636	8.17574	0.555024	-0.84938	-1.80173
D830030K20Rik	NM_177135	0.004156	-5.8895	2.51801	3.3675	0.554981	-0.84949	-1.80186
Fam102a	NM_153560	0.005705	-5.39672	6.56595	7.41737	0.554238	-0.85142	-1.80428
Gm1973	NM_029288	1.02E-05	-27.6301	3.72155	4.57402	0.553834	-0.85248	-1.8056
Gm1973	NM_029288	2.81E-05	-21.4191	3.10107	3.95469	0.553397	-0.85361	-1.80702
Gm1973	NM_029288	2.81E-05	-21.4191	3.10107	3.95469	0.553397	-0.85361	-1.80702
Tceal8	NM_001168578	0.000237	-12.4854	8.59779	9.4517	0.55328	-0.85392	-1.8074
Ssty2	NM_023546	0.003665	-6.09484	3.54961	4.40375	0.553195	-0.85414	-1.80768
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	---	8.04E-05	-16.4249	4.54472	5.39965	0.552894	-0.85492	-1.80866
Akap11	NM_001164503	0.002107	-7.07464	8.63686	9.49234	0.55268	-0.85549	-1.80937
Zmat3	NM_009517	0.001814	-7.36182	5.84923	6.70585	0.552247	-0.85662	-1.81079
Mrv1	NM_010826	0.00085	-8.98228	4.23114	5.089	0.551769	-0.85786	-1.81235
Stat3	NM_213659	0.0023	-6.91086	9.22176	10.0817	0.550964	-0.85997	-1.815
Tspan6	NM_019656	0.003141	-6.35539	8.23321	9.0934	0.55088	-0.86019	-1.81528
	---	0.00113	-8.34033	9.21728	10.0784	0.550521	-0.86113	-1.81646
Cacnb1	NM_031173	0.001545	-7.68147	4.91656	5.77813	0.550351	-0.86158	-1.81702
Col23a1	NM_153393	0.001715	-7.47207	5.83525	6.69705	0.550266	-0.8618	-1.8173
Pde11a	NM_001081033	0.000148	-14.0729	4.60377	5.46615	0.550047	-0.86237	-1.81803
	---	0.006665	-5.16709	9.51776	10.3806	0.549882	-0.86281	-1.81857
Acaa1a	NM_130864	0.004825	-5.65302	6.84996	7.71319	0.54972	-0.86323	-1.81911
Sik2	NM_178710	2.29E-05	-22.5492	6.87921	7.74309	0.549472	-0.86388	-1.81993
Ifitm2	NM_030694	0.003902	-5.99196	10.0931	10.9573	0.549356	-0.86419	-1.82031
Mir145	NR_029557	0.005395	-5.48112	5.87656	6.74108	0.549228	-0.86452	-1.82074
Gpr180	NM_021434	0.003486	-6.17841	6.56061	7.42523	0.549192	-0.86462	-1.82086
Map4k4	NM_008696	6.34E-05	-17.4418	8.16915	9.03447	0.548924	-0.86532	-1.82175
Ubt2	NM_173784	0.001619	-7.58636	8.2724	9.13808	0.548787	-0.86568	-1.8222
Npc1	NM_008720	0.00061	-9.79095	7.91234	8.77806	0.54877	-0.86573	-1.82226
Fbxl7	BC050864	0.000354	-11.2666	3.43841	4.30457	0.548607	-0.86616	-1.8228

Slc38a10	NM_024249	0.003856	-6.01112	8.13419	9.00058	0.548516	-0.86639	-1.8231
Nup93	NM_172410	0.002027	-7.14735	8.41614	9.28397	0.547969	-0.86783	-1.82492
Ssty2	NM_023546	0.005712	-5.39489	3.30081	4.1692	0.547755	-0.8684	-1.82563
Gm10035	NM_001081471	0.00079	-9.15693	5.6535	6.52217	0.547653	-0.86867	-1.82597
Ankrd57	NM_172939	0.000396	-10.947	5.67037	6.53956	0.547457	-0.86918	-1.82663
Cln3	NM_001146311	0.005596	-5.42557	5.94843	6.8189	0.54697	-0.87047	-1.82826
Ankrd44	NM_001081433	0.003622	-6.11475	5.75578	6.62639	0.546916	-0.87061	-1.82843
Dio2	NM_010050	0.000706	-9.42669	4.15191	5.02435	0.546224	-0.87244	-1.83075
Cep350	NM_001039184	0.000181	-13.3677	5.0264	5.90057	0.545568	-0.87417	-1.83295
Crem	NM_001110856	0.006286	-5.25266	4.75252	5.62728	0.545345	-0.87476	-1.8337
Fam158a	AB054001	0.001341	-7.97246	5.66261	6.53806	0.545085	-0.87545	-1.83458
Nr4a3	NM_015743	0.004099	-5.91169	4.87806	5.75372	0.545004	-0.87566	-1.83485
Xk	NM_023500	0.003138	-6.35733	4.47382	5.34967	0.54493	-0.87586	-1.8351
	---	0.005847	-5.3598	6.20831	7.08726	0.543762	-0.87895	-1.83904
Zfp395	NM_199029	0.003159	-6.3459	6.32503	7.2041	0.543718	-0.87907	-1.83919
Higd1a	NM_019814	0.002596	-6.69016	5.03199	5.91132	0.543621	-0.87933	-1.83952
	---	0.000662	-9.5849	9.04545	9.92533	0.543413	-0.87988	-1.84022
D14Ertd449e	NM_025311	0.000877	-8.90975	6.93729	7.81987	0.542394	-0.88259	-1.84368
Mbnl2	NM_175341	0.002062	-7.11507	9.71312	10.5963	0.542163	-0.8832	-1.84446
Ankrd6	NM_001012450	0.004646	-5.71217	5.03387	5.91727	0.542088	-0.8834	-1.84472
Rpl11	NM_025919	0.003278	-6.28233	10.2543	11.1377	0.542079	-0.88343	-1.84475
Zcchc3	NM_175126	0.000111	-15.1537	4.65985	5.54345	0.542013	-0.8836	-1.84498
LOC100040031	BC089467	0.002183	-7.00815	3.63625	4.52048	0.541775	-0.88423	-1.84578
Fbln2	NM_007992	0.003311	-6.26539	10.7665	11.6518	0.54138	-0.88529	-1.84713
L3mbtl3	NM_172787	6.97E-05	-17.0331	7.35421	8.2397	0.541302	-0.88549	-1.8474
Isca1	NM_026921	0.002123	-7.06024	8.57942	9.46508	0.541238	-0.88567	-1.84762
D14Ertd449e	NM_025311	0.000826	-9.0504	7.43062	8.31668	0.54109	-0.88606	-1.84812
Rpl11	NM_025919	0.001499	-7.74236	10.6535	11.54	0.540916	-0.88652	-1.84872
	---	0.00662	-5.17707	3.06984	3.95694	0.5407	-0.8871	-1.84946
Igfbp7	NM_001159518	0.001954	-7.21814	10.1533	11.0406	0.54065	-0.88723	-1.84963
Rps12	NM_011295	0.004722	-5.68666	10.3816	11.2692	0.540524	-0.88757	-1.85006

D14Erttd449e	NM_025311	0.00077	-9.21769	7.26162	8.15088	0.539889	-0.88926	-1.85223
Abhd14a	NM_001110271	0.000856	-8.96653	5.96335	6.85398	0.539376	-0.89064	-1.85399
Akap11	NM_001164503	0.001825	-7.34976	7.99491	8.88583	0.539269	-0.89092	-1.85436
Nod1	NM_172729	0.002024	-7.14999	5.80076	6.6926	0.538928	-0.89184	-1.85554
Rps12	NM_011295	0.005446	-5.46671	10.2169	11.1102	0.538411	-0.89322	-1.85732
Carm1	NM_021531	0.000477	-10.4338	7.20834	8.10259	0.538028	-0.89425	-1.85864
Zfp9	NM_011763	4.76E-05	-18.757	6.02037	6.9147	0.537997	-0.89433	-1.85875
Zadh2	NM_146090	0.000855	-8.97015	7.55453	8.44894	0.537968	-0.89441	-1.85885
Yipf5	NM_023311	0.001496	-7.74622	7.87906	8.77394	0.537793	-0.89488	-1.85945
Lmna	NM_001002011	0.00033	-11.471	8.42439	9.31933	0.537771	-0.89494	-1.85953
Rps12	NM_011295	0.005646	-5.41228	10.4501	11.3492	0.536223	-0.8991	-1.8649
LOC100039753	NM_001017394	0.005293	-5.50999	3.47412	4.37324	0.536212	-0.89912	-1.86493
Rps12	NM_011295	0.003581	-6.1334	10.2456	11.1449	0.536126	-0.89936	-1.86523
Prr5	NM_146061	0.000446	-10.6113	5.87343	6.77306	0.536025	-0.89963	-1.86559
Naaladl2	ENSMUST0000009918 4	0.000105	-15.3512	3.73465	4.63585	0.53544	-0.9012	-1.86762
Rps12	NM_011295	0.005086	-5.57118	10.7455	11.6478	0.535029	-0.90231	-1.86906
Igdcc4	NM_020043	0.006848	-5.1279	4.72359	5.62641	0.534841	-0.90282	-1.86971
Zbtb4	NM_029348	0.003743	-6.06032	5.82986	6.73531	0.533868	-0.90545	-1.87312
Pqlc3	NM_172574	0.006997	-5.09698	7.61887	8.52559	0.533394	-0.90673	-1.87479
Acpl2	NM_153420	0.00301	-6.42932	6.11898	7.0263	0.533177	-0.90731	-1.87555
Acot6	NM_172580	0.001004	-8.60104	3.82643	4.73458	0.532866	-0.90816	-1.87664
Tead3	NM_001098226	0.001769	-7.41095	6.25516	7.16535	0.532117	-0.91019	-1.87929
Ppp1r3b	NM_177741	5.57E-05	-18.0224	4.78259	5.69331	0.531919	-0.91072	-1.87999
Sh3kbp1	NM_021389	0.001642	-7.55789	8.24575	9.15669	0.531838	-0.91094	-1.88027
D830030K20Rik	NM_177135	0.00651	-5.20143	3.20707	4.11892	0.531503	-0.91185	-1.88146
Rpl11	NM_025919	0.002302	-6.90941	10.7628	11.6769	0.530695	-0.91404	-1.88432
Sptlc2	NM_011479	0.000255	-12.249	8.45977	9.37399	0.530629	-0.91422	-1.88456
1700025G04Rik	NM_197990	0.001771	-7.40861	4.90578	5.82061	0.530405	-0.91483	-1.88535
	---	0.0047	-5.6938	9.33252	10.2479	0.530221	-0.91534	-1.88601
Slc37a4	NM_008063	0.002226	-6.97138	5.66949	6.58486	0.530207	-0.91537	-1.88605

Jph1	NM_020604	0.001649	-7.55032	5.22841	6.14449	0.529946	-0.91608	-1.88698
Lypla2	NM_011942	0.006097	-5.29773	6.59624	7.51298	0.529704	-0.91674	-1.88785
	---	0.004159	-5.88837	4.45997	5.37704	0.529583	-0.91707	-1.88828
Scap	NM_001001144	0.00304	-6.41173	7.74019	8.65847	0.52914	-0.91828	-1.88986
	---	0.000336	-11.4176	2.8214	3.73976	0.529111	-0.91836	-1.88996
Adam17	NM_009615	0.00068	-9.5207	8.66201	9.58076	0.528966	-0.91875	-1.89048
Fbxo17	NM_015796	0.002797	-6.55723	4.84246	5.7623	0.528569	-0.91984	-1.8919
Golga7	NM_020585	0.006042	-5.31112	8.96329	9.88434	0.528125	-0.92105	-1.89349
	---	0.006048	-5.30946	4.01094	4.93442	0.527236	-0.92348	-1.89668
Bmyc	NM_023326	8.91E-05	-16.0045	5.63387	6.55797	0.527009	-0.9241	-1.8975
Chmp1a	NM_145606	0.001292	-8.05166	7.54314	8.46748	0.526921	-0.92434	-1.89782
Icosl	NM_015790	0.006331	-5.24207	4.90874	5.8334	0.526804	-0.92466	-1.89824
Tcf12	NM_011544	0.000182	-13.348	8.88722	9.81199	0.526763	-0.92477	-1.89839
Ndufc2	NM_024220	0.000379	-11.0654	8.98035	9.90595	0.526461	-0.9256	-1.89948
Osgep	NM_133676	0.0011	-8.39873	6.17314	7.10138	0.5255	-0.92824	-1.90295
Mir409	NR_029913	0.000951	-8.72382	3.99038	4.91896	0.525374	-0.92858	-1.90341
Cdk7	NM_009874	0.001985	-7.18714	6.57093	7.50219	0.524398	-0.93127	-1.90695
Cd164	NM_016898	0.004132	-5.89885	10.5155	11.4486	0.523716	-0.93314	-1.90943
Soat1	NM_009230	0.003816	-6.0284	8.56053	9.49422	0.52352	-0.93368	-1.91015
Lage3	NM_025410	0.006635	-5.17362	5.66112	6.5956	0.523231	-0.93448	-1.9112
Irak1bp1	NM_022986	0.000223	-12.6839	6.41414	7.34867	0.523211	-0.93454	-1.91128
	---	0.006733	-5.15236	2.45453	3.39089	0.522552	-0.93635	-1.91369
LOC100039753	NM_001017394	0.003039	-6.41267	3.53361	4.47059	0.522325	-0.93698	-1.91452
Galnt13	NM_173030	0.006182	-5.27724	3.14241	4.07967	0.522223	-0.93726	-1.91489
Rps12	NM_011295	0.006181	-5.27752	10.4682	11.4073	0.521561	-0.93909	-1.91732
Chchd10	NM_175329	0.00595	-5.33369	5.32786	6.26764	0.521312	-0.93978	-1.91824
Csrp1	NM_007791	9.65E-06	-28.0189	9.91863	10.8597	0.520863	-0.94102	-1.91989
Ssr4	NM_001166480	0.000738	-9.3197	8.72414	9.66658	0.520352	-0.94244	-1.92178
Fam38a	NM_001037298	0.002685	-6.6298	7.75287	8.69557	0.520259	-0.9427	-1.92212
Pacs1	NM_153129	0.000166	-13.6568	5.48626	6.42953	0.520055	-0.94326	-1.92287
Ank2	NM_178655	0.000561	-10.0051	5.99785	6.94137	0.519961	-0.94352	-1.92322

Rsph9	NM_029338	0.003429	-6.20644	4.65355	5.59798	0.519636	-0.94443	-1.92442
Lancl3	NM_173414	0.002403	-6.83039	4.45503	5.39991	0.519475	-0.94487	-1.92502
Il17ra	NM_008359	0.001531	-7.69897	7.36517	8.31089	0.519173	-0.94571	-1.92614
Fam55d	BC094249	0.000872	-8.92451	5.95595	6.9018	0.519125	-0.94585	-1.92632
Cnrip1	NM_029861	0.001584	-7.63091	5.76574	6.71273	0.518716	-0.94698	-1.92784
Nr1h3	NM_013839	0.006736	-5.15176	4.7875	5.73731	0.517698	-0.94982	-1.93163
Galt	NM_016658	0.002281	-6.92604	5.92514	6.87549	0.517507	-0.95035	-1.93234
Rilpl2	NM_030259	0.004744	-5.67923	5.40227	6.35283	0.51743	-0.95057	-1.93263
S1pr2	NM_010333	0.000517	-10.2182	6.70884	7.66136	0.516731	-0.95252	-1.93524
Gabre	NM_017369	0.003776	-6.04555	3.38973	4.34306	0.516438	-0.95333	-1.93634
Nus1	NM_030250	0.000615	-9.76798	8.84996	9.80345	0.516382	-0.95349	-1.93655
Nagk	NM_019542	0.005806	-5.37042	6.93618	7.89004	0.516252	-0.95385	-1.93704
Eif1b	NM_026892	0.006777	-5.14297	7.09065	8.04504	0.516056	-0.9544	-1.93777
Nlr1	NM_178420	0.001448	-7.81336	5.47464	6.43494	0.513951	-0.9603	-1.94571
Palld	NM_001081390	0.003132	-6.36055	6.48804	7.44986	0.513408	-0.96182	-1.94777
Igsf3	NM_207205	0.004294	-5.83707	6.56438	7.52717	0.513065	-0.96279	-1.94907
9930014A18Rik	NR_030696	0.002437	-6.80466	5.56588	6.52894	0.512967	-0.96306	-1.94944
D030025P21Rik	NR_028577	0.001642	-7.55893	4.61977	5.58322	0.512828	-0.96345	-1.94997
Yipf5	NM_023311	0.000442	-10.639	8.72223	9.68665	0.512488	-0.96441	-1.95127
Sra1	NM_025291	0.000558	-10.0203	7.9275	8.89275	0.51219	-0.96525	-1.9524
Trp53	NM_001127233	0.002867	-6.51413	7.32209	8.28776	0.512041	-0.96567	-1.95297
Add3	NM_001164099	0.000303	-11.7187	7.95825	8.92473	0.511753	-0.96648	-1.95407
Mycbp2	NM_207215	0.001567	-7.65274	7.1247	8.0924	0.51132	-0.9677	-1.95572
Arid5b	NM_023598	0.000857	-8.96456	8.6256	9.59348	0.511256	-0.96788	-1.95597
Ifnar2	NM_010509	0.002194	-6.99857	7.74765	8.71895	0.510049	-0.97129	-1.9606
Sh3bp1	NM_009164	0.000402	-10.9026	5.76082	6.73214	0.51004	-0.97132	-1.96063
Gdf1	NM_001163282	0.002348	-6.87305	5.62287	6.59536	0.509625	-0.97249	-1.96223
Gmppb	NM_177910	0.004717	-5.68816	5.39448	6.36711	0.509577	-0.97263	-1.96241
Cdh18	NM_001081299	0.002227	-6.97031	4.10351	5.07637	0.509494	-0.97286	-1.96273
Osgep	NM_133676	0.000746	-9.29209	6.94666	7.92118	0.508907	-0.97453	-1.96499
---	---	0.002683	-6.63106	4.58499	5.56143	0.508231	-0.97644	-1.96761

Bbox1	NM_130452	0.000617	-9.76327	3.53471	4.51245	0.507773	-0.97774	-1.96938
Gng10	NM_025277	0.004114	-5.90566	7.87324	8.85134	0.507648	-0.9781	-1.96987
Fzd8	NM_008058	0.000246	-12.3598	6.36923	7.34742	0.507616	-0.97819	-1.96999
Dnm3os	NR_002870	0.000655	-9.61313	5.90076	6.87964	0.507375	-0.97888	-1.97093
Rab9	NM_019773	0.004605	-5.72599	6.53874	7.51787	0.507284	-0.97913	-1.97128
Myd88	NM_010851	0.001587	-7.62655	7.82579	8.80655	0.506713	-0.98076	-1.9735
Dnajc27	NM_153082	0.001582	-7.63307	3.9217	4.90266	0.506641	-0.98096	-1.97378
Hebp2	NM_019487	0.000977	-8.66177	5.46858	6.44966	0.506601	-0.98108	-1.97394
Pkdcc	NM_134117	0.006298	-5.24987	5.38222	6.36367	0.506471	-0.98145	-1.97445
Uhrf2	NM_144873	0.00152	-7.71412	8.43358	9.41695	0.505797	-0.98337	-1.97708
Hnrnp3	NM_001079824	9.75E-05	-15.6457	7.46945	8.4529	0.505767	-0.98346	-1.9772
	---	0.000892	-8.86997	3.10076	4.08444	0.505689	-0.98368	-1.9775
	---	0.00117	-8.26445	4.63412	5.61996	0.504931	-0.98584	-1.98047
Rpl11	NM_025919	0.004647	-5.71159	10.4281	11.4177	0.503624	-0.98958	-1.98561
Arl5b	NM_029466	0.002723	-6.60487	7.01395	8.00405	0.503444	-0.9901	-1.98632
LOC100039753	NM_001017394	0.001113	-8.37238	3.61343	4.60382	0.503341	-0.99039	-1.98673
Rps2	NM_008503	0.000151	-14.0007	9.94864	10.9394	0.503207	-0.99078	-1.98725
Cog3	NM_177381	0.000741	-9.3097	7.37341	8.36509	0.502891	-0.99168	-1.9885
	---	0.005979	-5.32661	10.0595	11.0513	0.502862	-0.99176	-1.98862
Gdf10	NM_145741	0.006018	-5.31692	5.55628	6.5486	0.502669	-0.99232	-1.98938
Dchs1	NM_001162943	0.004803	-5.65999	4.64949	5.64372	0.502003	-0.99423	-1.99202
Mapk13	NM_011950	0.000765	-9.23134	5.33472	6.32959	0.501781	-0.99487	-1.9929
Nit2	NM_023175	0.002633	-6.66494	6.60578	7.60104	0.501643	-0.99527	-1.99345
Mfsd9	NM_172499	0.000855	-8.97041	4.95118	5.94953	0.500574	-0.99834	-1.99771
Litaf	NM_019980	0.003076	-6.39167	8.46206	9.4611	0.500335	-0.99903	-1.99866
Rplp1	BC091747	0.000148	-14.0798	9.65349	10.6528	0.500257	-0.99926	-1.99897
Ifitm2	NM_030694	0.004087	-5.91653	10.1341	11.1334	0.500251	-0.99928	-1.999
Papd4	NM_133905	2.78E-05	-21.4796	7.8928	8.89352	0.499748	-1.00073	-2.00101
Pdia5	NM_028295	0.000318	-11.5809	7.79895	8.8002	0.499566	-1.00125	-2.00174
Arl5c	NM_207231	0.002541	-6.72883	4.9993	6.00235	0.498943	-1.00305	-2.00424
	---	0.002462	-6.78642	5.83862	6.84287	0.498529	-1.00425	-2.0059

Adck4	NM_133770	0.002561	-6.71462	6.86778	7.87331	0.498089	-1.00552	-2.00767
Gspt2	NM_008179	0.002687	-6.62856	3.89096	4.89683	0.497972	-1.00586	-2.00814
Oat	NM_016978	0.000143	-14.1867	9.49681	10.5032	0.497786	-1.0064	-2.0089
2810405K02Rik	BC030453	0.000444	-10.629	4.68597	5.69287	0.497614	-1.0069	-2.00959
Gnpda2	NM_001038015	0.00128	-8.0716	6.40739	7.41569	0.497133	-1.0083	-2.01154
	---	0.002939	-6.47043	2.72025	3.72932	0.496867	-1.00907	-2.01261
Spin4	NM_178753	0.000532	-10.1441	5.86468	6.87634	0.495977	-1.01165	-2.01622
P4htm	NM_028944	0.002105	-7.07618	5.13185	6.14388	0.49585	-1.01203	-2.01674
Ddhd1	NM_001042719	6.61E-06	-30.813	7.66952	8.68366	0.495124	-1.01414	-2.0197
	---	0.005556	-5.4364	7.94349	8.95809	0.494967	-1.0146	-2.02034
Rcbtb2	NM_001170694	0.000645	-9.64953	6.66975	7.68497	0.494753	-1.01522	-2.02121
Capn1	NM_007600	4.39E-06	-34.1385	7.83994	8.85527	0.494715	-1.01533	-2.02137
Zfp874a	NM_177712	0.002791	-6.56105	4.48449	5.50205	0.49395	-1.01756	-2.0245
Rpia	NM_009075	7.09E-05	-16.9588	5.4804	6.4995	0.493423	-1.0191	-2.02666
Riok3	NM_024182	4.51E-05	-19.0082	7.88516	8.90609	0.492802	-1.02092	-2.02921
Dzip1	NM_025943	0.001149	-8.30391	5.26611	6.28874	0.492218	-1.02263	-2.03162
Spry4	NM_011898	0.003468	-6.18713	5.3333	6.35938	0.491041	-1.02609	-2.03649
	---	0.002801	-6.55479	4.00119	5.02895	0.490471	-1.02776	-2.03886
LOC100039753	NM_001017394	0.001861	-7.31142	3.77574	4.80402	0.490293	-1.02828	-2.0396
BC013529	NM_145418	0.0014	-7.88261	7.62926	8.65905	0.489781	-1.02979	-2.04173
Rgl3	NM_023622	0.000465	-10.5028	4.90279	5.93316	0.489584	-1.03037	-2.04255
1110032A13Rik	NM_199197	0.000138	-14.324	6.16477	7.19658	0.489097	-1.03181	-2.04458
Ank3	NM_146005	0.000948	-8.73153	5.91892	6.95141	0.488868	-1.03248	-2.04554
B3galnt2	NM_178640	0.003576	-6.13599	7.86163	8.89661	0.488025	-1.03497	-2.04907
Gas5	NR_002840	0.001152	-8.29732	9.63288	10.6689	0.487661	-1.03605	-2.05061
Chst11	NM_021439	0.004988	-5.60118	7.58617	8.62535	0.486605	-1.03918	-2.05506
Tmem38b	NM_028053	0.002165	-7.02326	5.11303	6.15346	0.48618	-1.04044	-2.05685
	---	0.005734	-5.38906	4.54087	5.5823	0.485848	-1.04142	-2.05826
Spry3	NM_001030293	0.004959	-5.61025	3.75696	4.79862	0.485767	-1.04166	-2.0586
Tmem159	NM_145586	0.002454	-6.79165	7.32051	8.3628	0.485556	-1.04229	-2.0595
Cpne8	NM_025815	0.007038	-5.0887	6.11114	7.154	0.485364	-1.04286	-2.06031

Cpa6	NM_177834	7.77E-05	-16.5723	3.41407	4.45719	0.485274	-1.04313	-2.06069
Prdx4	NM_016764	0.000379	-11.0695	7.9263	8.97077	0.484823	-1.04447	-2.06261
Tmem205	NM_178577	0.000795	-9.1395	6.68185	7.72883	0.483979	-1.04698	-2.06621
	---	0.004427	-5.78823	3.20428	4.25177	0.483812	-1.04748	-2.06692
Sh3bgrl3	NM_080559	0.001044	-8.51493	8.70582	9.75467	0.483352	-1.04885	-2.06888
Adora2b	NM_007413	0.000586	-9.89287	5.61706	6.66709	0.482958	-1.05003	-2.07057
Fam38a	NM_001037298	0.002568	-6.70964	7.63749	8.68781	0.482863	-1.05031	-2.07098
Rps19	NM_023133	0.006504	-5.20282	7.56623	8.61677	0.482789	-1.05053	-2.0713
Rps19	NM_023133	0.006504	-5.20282	7.56623	8.61677	0.482789	-1.05053	-2.0713
Rps27l	NM_026467	0.001846	-7.32737	7.60098	8.65352	0.482117	-1.05255	-2.07419
Zfp354c	NM_013922	0.002717	-6.60902	7.0805	8.13557	0.481273	-1.05507	-2.07782
Stat5a	NM_011488	0.004599	-5.72812	6.09014	7.1457	0.481109	-1.05556	-2.07853
Slc9a9	NM_177909	4.74E-06	-33.4891	6.55761	7.61351	0.480997	-1.0559	-2.07901
Gaa	NM_008064	0.005122	-5.5603	8.96874	10.025	0.480877	-1.05626	-2.07953
Slc7a7	NM_011405	0.004971	-5.60671	4.67144	5.72841	0.480641	-1.05697	-2.08055
A430110N23Rik	NM_173008	0.001257	-8.10907	6.95611	8.01372	0.480425	-1.05762	-2.08149
Rexo2	NM_024233	0.000148	-14.0711	9.00714	10.0648	0.480423	-1.05762	-2.0815
	---	0.003902	-5.99198	8.31825	9.37599	0.480385	-1.05774	-2.08166
Arsb	NM_009712	0.005318	-5.50293	7.72698	8.78498	0.480296	-1.058	-2.08205
Maf	NM_001025577	0.000447	-10.6052	6.93366	7.99416	0.479464	-1.06051	-2.08566
Fuca1	NM_024243	0.00694	-5.1088	8.03371	9.09618	0.47881	-1.06248	-2.08851
Alkbh2	NM_175016	0.005167	-5.5471	5.7054	6.76834	0.478656	-1.06294	-2.08918
Rev3l	NM_011264	0.000649	-9.63536	7.75874	8.82466	0.477668	-1.06592	-2.0935
	---	0.003004	-6.43237	3.62718	4.6932	0.477634	-1.06602	-2.09365
Eefsec	NM_023060	0.005582	-5.42932	6.59707	7.66364	0.477456	-1.06656	-2.09444
Zeb1	NM_011546	0.000701	-9.44504	8.25601	9.32269	0.477416	-1.06668	-2.09461
Ifitm2	NM_030694	0.004175	-5.88208	9.69935	10.7679	0.476812	-1.06851	-2.09726
Trmt61a	NM_177374	0.001369	-7.93013	5.75021	6.81958	0.476529	-1.06936	-2.09851
Wipf1	NM_153138	0.000154	-13.9251	5.80628	6.87598	0.476418	-1.0697	-2.099
Tgfr1	NM_009370	0.000165	-13.6915	8.15416	9.22531	0.47594	-1.07115	-2.1011
Gpr88	NM_022427	0.001485	-7.76238	5.45815	6.52956	0.475854	-1.07141	-2.10149

9030617O03Rik	BC066161	0.000822	-9.06254	4.99075	6.06852	0.473762	-1.07777	-2.11076
Bmpr1b	NM_007560	2.03E-06	-41.4476	3.77498	4.85435	0.473235	-1.07937	-2.11312
Fcgrt	NM_010189	0.002237	-6.96224	9.27295	10.3528	0.473074	-1.07986	-2.11383
LOC100039147	XM_003085637	0.001026	-8.55259	3.92529	5.00545	0.472975	-1.08016	-2.11428
Cask	NM_009806	0.00456	-5.74141	8.05131	9.13268	0.472581	-1.08137	-2.11604
Zim1	NM_011769	0.006351	-5.2376	3.77478	4.8563	0.472532	-1.08152	-2.11626
Tspan4	NM_053082	8.79E-05	-16.0597	9.26213	10.3448	0.472162	-1.08265	-2.11792
Gpc4	NM_008150	0.000251	-12.2991	8.01274	9.09599	0.471963	-1.08325	-2.11881
Vaultrc5	NR_027885	0.001607	-7.60172	5.58105	6.66513	0.471694	-1.08408	-2.12002
Leprot	NM_175036	0.000128	-14.5901	7.63753	8.72216	0.471512	-1.08463	-2.12084
Sema6a	NM_018744	0.000885	-8.8886	4.74068	5.82664	0.471078	-1.08596	-2.12279
Zfpm2	NM_011766	0.004058	-5.928	5.60542	6.69327	0.470461	-1.08785	-2.12558
Cish	NM_009895	0.004046	-5.93261	4.97859	6.06683	0.470337	-1.08823	-2.12613
Chst12	NM_021528	0.002437	-6.80445	8.22691	9.3159	0.470092	-1.08899	-2.12724
Tifa	NM_145133	0.0035	-6.17185	6.72728	7.81809	0.469498	-1.09081	-2.12994
Prorsd1	NM_001163454	0.001247	-8.12662	5.89803	6.99011	0.469084	-1.09208	-2.13182
Gnpnat1	NM_019425	0.00035	-11.2964	7.33473	8.42684	0.469075	-1.09211	-2.13186
Higd1a	NM_019814	0.001607	-7.60206	5.75702	6.85118	0.468408	-1.09416	-2.13489
Kdelr3	NM_134090	0.001409	-7.86961	8.54438	9.63973	0.468021	-1.09535	-2.13665
Mmp14	NM_008608	0.000349	-11.3049	10.952	12.0476	0.467932	-1.09563	-2.13706
Mfsd10	NM_026660	0.000149	-14.0503	7.84753	8.94423	0.467582	-1.09671	-2.13866
Lrp1	NM_008512	0.00042	-10.7777	10.2086	11.3054	0.467526	-1.09688	-2.13892
Dsel	NM_001081316	0.002805	-6.55222	6.72983	7.82756	0.467253	-1.09772	-2.14017
	---	0.003755	-6.05495	3.6929	4.79334	0.466372	-1.10045	-2.14421
Rpl11	NM_025919	0.002629	-6.66786	9.96143	11.0627	0.466112	-1.10125	-2.14541
Fhl2	NM_010212	0.001964	-7.20755	6.24542	7.34697	0.466017	-1.10155	-2.14584
	---	0.000692	-9.47756	5.23812	6.33988	0.465947	-1.10176	-2.14617
Pkd2	NM_008861	0.000445	-10.6188	8.72667	9.82912	0.465723	-1.10246	-2.1472
	---	0.00097	-8.6792	5.25707	6.36108	0.46522	-1.10401	-2.14952
Gm1973	NM_029288	0.002071	-7.10724	3.20873	4.31306	0.465117	-1.10433	-2.15
Rbm47	NM_178446	0.004358	-5.81342	4.63179	5.73636	0.465041	-1.10457	-2.15035

Egfr	NM_207655	0.000903	-8.84254	8.66975	9.77558	0.464636	-1.10583	-2.15222
Mettl7a1	NM_027334	0.001931	-7.24047	7.29385	8.39986	0.464577	-1.10601	-2.1525
Wbp5	NM_011712	8.15E-05	-16.371	8.88711	9.99787	0.463049	-1.11076	-2.1596
Rps12	AF357393	0.001466	-7.7882	6.06425	7.17527	0.462968	-1.11102	-2.15998
1500011K16Rik	NR_015476	0.000761	-9.24349	5.74795	6.85916	0.462905	-1.11121	-2.16027
Podxl2	NM_176973	0.000821	-9.06551	4.61516	5.72645	0.46288	-1.11129	-2.16038
Frem1	NM_177863	0.004945	-5.61464	4.02472	5.1364	0.462755	-1.11168	-2.16097
Pcdh7	NM_018764	0.000544	-10.0826	7.68276	8.79471	0.462666	-1.11196	-2.16139
Lgals3bp	NM_011150	0.001504	-7.73584	8.9226	10.0386	0.461386	-1.11595	-2.16738
S100a13	NM_009113	0.000247	-12.3548	6.10687	7.223	0.46133	-1.11613	-2.16765
Tnfrsf1a	NM_011609	0.000606	-9.80767	9.242	10.3585	0.461226	-1.11646	-2.16814
Rassf8	NM_027760	3.66E-05	-20.041	7.06977	8.19286	0.45911	-1.12309	-2.17813
Armcx3	NM_027870	0.000788	-9.16128	9.49989	10.6232	0.459041	-1.12331	-2.17846
Pcdhga12	NM_033595	3.52E-05	-20.2309	5.39835	6.52211	0.458899	-1.12375	-2.17913
Rgma	NM_177740	0.001559	-7.66313	6.82886	7.95384	0.458508	-1.12498	-2.18099
Hif1a	NM_010431	0.000257	-12.2246	8.97993	10.1055	0.458313	-1.1256	-2.18192
Pappa2	NM_001085376	0.005633	-5.41569	4.30351	5.42932	0.458247	-1.1258	-2.18223
	---	0.00068	-9.51839	6.72402	7.85062	0.457994	-1.1266	-2.18344
Gnpnat1	NM_019425	0.000292	-11.8332	7.04328	8.1738	0.456754	-1.13051	-2.18936
Ptp4a3	NM_008975	0.000604	-9.81683	5.72038	6.85213	0.456362	-1.13175	-2.19124
Trim30d	NM_199146	0.004612	-5.72353	4.38402	5.51582	0.456348	-1.13179	-2.19131
Ldoc1l	NM_177630	0.00201	-7.16321	4.61477	5.74946	0.455434	-1.13468	-2.19571
Adcy9	NM_009624	0.001504	-7.73546	4.6877	5.82627	0.454209	-1.13857	-2.20163
Psen2	NM_011183	0.000224	-12.6613	6.27866	7.41781	0.454027	-1.13915	-2.20251
Armcx3	NM_027870	0.000539	-10.1097	9.03518	10.1765	0.453338	-1.14134	-2.20586
Il7	NM_008371	0.000577	-9.93133	3.2943	4.43962	0.452091	-1.14531	-2.21194
Marcks	NM_008538	0.001501	-7.73936	9.45469	10.6006	0.451918	-1.14587	-2.21279
Gla	NM_013463	0.001106	-8.38624	8.31883	9.46495	0.451838	-1.14612	-2.21318
Reck	NM_016678	0.000258	-12.2083	6.90529	8.0525	0.451496	-1.14722	-2.21486
Clybl	NM_029556	0.000431	-10.7081	6.87749	8.02578	0.45116	-1.14829	-2.21651
Ifitm1	NM_026820	0.004207	-5.86995	5.32349	6.4722	0.451029	-1.14871	-2.21715

Tmem200a	NM_029881	0.001947	-7.22415	5.05616	6.20613	0.450634	-1.14997	-2.2191
Ifih1	NM_027835	0.002187	-7.00449	3.91077	5.06123	0.450482	-1.15046	-2.21984
Ahi1	NM_026203	0.000984	-8.64773	6.40873	7.56048	0.450077	-1.15175	-2.22184
Mir541	NR_030263	0.002221	-6.97565	3.1695	4.32152	0.449996	-1.15202	-2.22224
Fam69b	NM_019833	0.000949	-8.72781	5.59918	6.75264	0.449545	-1.15346	-2.22447
D830030K20Rik	NM_177135	0.002953	-6.46208	3.1852	4.34117	0.448763	-1.15598	-2.22835
Satb1	NM_009122	0.005445	-5.46706	4.16037	5.31791	0.448277	-1.15754	-2.23076
Gypc	NM_001048207	0.000352	-11.2823	6.64398	7.80237	0.448013	-1.15839	-2.23208
Hoxb6	NM_008269	0.004294	-5.8369	6.55854	7.72388	0.445859	-1.16534	-2.24286
Atp2b4	NM_001167949	0.000397	-10.9398	4.54471	5.7137	0.444731	-1.169	-2.24855
Armcx3	NM_027870	0.001762	-7.41814	8.7583	9.92769	0.444612	-1.16938	-2.24915
Foxg1	NM_008241	0.001857	-7.31636	5.82378	6.9972	0.443368	-1.17342	-2.25546
Thoc1	NM_153552	0.005377	-5.48597	6.97616	8.15046	0.443101	-1.17429	-2.25682
B4galt4	NM_019804	0.00661	-5.17914	4.69825	5.87273	0.443042	-1.17449	-2.25712
Gas5	NR_002840	0.000739	-9.31641	8.25145	9.4274	0.442591	-1.17595	-2.25942
Trpc6	NM_013838	8.98E-05	-15.9737	4.19506	5.37216	0.442238	-1.1771	-2.26122
Crispld2	NM_030209	0.002231	-6.96715	5.18247	6.36103	0.441791	-1.17856	-2.26351
Nfix	NM_001081981	4.97E-05	-18.5495	9.06817	10.2469	0.441746	-1.17871	-2.26375
Dclk1	NM_019978	0.000443	-10.6306	7.32509	8.50485	0.441426	-1.17976	-2.26539
Rnf122	NM_175136	0.003821	-6.02602	6.64483	7.82565	0.441102	-1.18082	-2.26705
Msrb2	NM_029619	0.000264	-12.1399	4.76689	5.94955	0.440536	-1.18267	-2.26996
Glrx	NM_053108	0.000653	-9.61877	6.56207	7.74608	0.440127	-1.18401	-2.27207
Gm7265	AK087684	0.003711	-6.07455	4.81483	5.99955	0.43991	-1.18472	-2.27319
Dpep1	NM_007876	0.000282	-11.935	4.37467	5.56141	0.439295	-1.18674	-2.27638
Shisa5	NM_025858	0.00023	-12.5754	8.77956	9.96795	0.438794	-1.18838	-2.27897
Mcart1	NM_001009949	0.000114	-15.0317	6.83635	8.02912	0.43746	-1.19278	-2.28592
Mfsd7a	NM_172883	0.000203	-12.9861	5.32704	6.52064	0.43721	-1.1936	-2.28723
Ptger4	NM_001136079	0.000176	-13.4685	6.82761	8.02183	0.437023	-1.19422	-2.28821
Lepre1	NM_019783	0.000485	-10.3866	7.05295	8.24797	0.436781	-1.19502	-2.28947
Slc44a2	NM_152808	0.000493	-10.3423	8.04938	9.24597	0.436306	-1.19659	-2.29197
Bscl2	NM_008144	0.000686	-9.49617	6.16462	7.36539	0.435042	-1.20077	-2.29863

Cacna1c	NM_001159533	0.000341	-11.3755	5.80646	7.00791	0.434837	-1.20145	-2.29971
Papd4	NM_133905	0.000369	-11.1426	7.49582	8.69829	0.43453	-1.20247	-2.30134
H2-T24	NM_008207	0.0015	-7.74118	4.84752	6.0576	0.432245	-1.21008	-2.3135
Mum11l	NM_001164630	0.001654	-7.54331	4.46563	5.67619	0.432103	-1.21055	-2.31426
Lclat1	NM_001081071	0.000606	-9.80781	8.00133	9.21347	0.431629	-1.21214	-2.31681
5730469M10Rik	BC056635	0.00199	-7.18281	6.39549	7.60875	0.431293	-1.21326	-2.31861
Zfp583	NM_001033249	0.000314	-11.6146	3.6512	4.86582	0.430887	-1.21462	-2.32079
Rarres1	NM_001164763	0.003672	-6.09191	3.65211	4.86854	0.430346	-1.21643	-2.32371
Rps19	NM_023133	0.00162	-7.58482	8.53885	9.7572	0.429775	-1.21835	-2.3268
Txnip	NM_001009935	0.007011	-5.09415	9.30952	10.528	0.429721	-1.21853	-2.32709
Setmar	NM_178391	0.005112	-5.56328	3.8834	5.10406	0.429085	-1.22066	-2.33054
Dtd1	NM_025314	0.000819	-9.07041	5.36385	6.58499	0.428944	-1.22114	-2.33131
Sec23a	NM_009147	0.000341	-11.3678	8.65496	9.87807	0.428357	-1.22311	-2.3345
Fli1	NM_008026	0.004312	-5.83039	5.0189	6.24646	0.427041	-1.22755	-2.3417
Rhou	NM_133955	0.00029	-11.8489	7.63678	8.86865	0.425764	-1.23187	-2.34872
Arhgap31	NM_020260	5.36E-05	-18.2003	6.28177	7.51921	0.424126	-1.23743	-2.35779
Nxn	NM_008750	0.002038	-7.13727	8.30873	9.55072	0.422789	-1.24199	-2.36525
Ggt7	NM_144786	0.000192	-13.1654	5.10648	6.3491	0.422606	-1.24262	-2.36627
Prickle2	NM_001134461	0.004088	-5.91622	5.87776	7.12267	0.421935	-1.24491	-2.37003
Gap43	NM_008083	0.000427	-10.7329	4.35013	5.59843	0.420942	-1.2483	-2.37562
Map3k5	NM_008580	0.001246	-8.12777	4.46942	5.71775	0.420934	-1.24833	-2.37567
Pbx1	NM_183355	0.000408	-10.8613	7.90886	9.15792	0.420723	-1.24906	-2.37686
Ptgir	NM_008967	0.002183	-7.0076	4.83815	6.08844	0.420364	-1.25029	-2.37889
Mtus1	NM_001005863	6.06E-06	-31.4862	5.37503	6.62658	0.419998	-1.25154	-2.38096
Crispld1	NM_031402	3.76E-05	-19.8969	4.36812	5.62	0.4199	-1.25188	-2.38152
	3-Mar							
	NM_177115	0.006422	-5.22116	6.23962	7.49223	0.419691	-1.2526	-2.38271
Fam13c	NM_024244	0.000865	-8.94224	4.66932	5.92284	0.419424	-1.25352	-2.38422
Ptplad1	NM_021345	0.000846	-8.99394	7.88077	9.13493	0.419238	-1.25416	-2.38528
Crtap	NM_019922	7.81E-05	-16.5467	8.23175	9.48694	0.418937	-1.2552	-2.38699
Cd63	NM_001042580	0.005475	-5.45865	9.4529	10.7088	0.418723	-1.25593	-2.38822
Gm5458	NM_001024706	1.85E-06	-42.3855	4.29097	5.54772	0.418485	-1.25675	-2.38957

Samd5	NM_177271	0.001426	-7.84543	6.13545	7.39703	0.417087	-1.26158	-2.39758
Ick	NM_019987	2.38E-06	-39.8154	7.29072	8.55274	0.416959	-1.26202	-2.39832
Dnajc12	NM_013888	0.000251	-12.2982	4.97619	6.23931	0.416642	-1.26312	-2.40014
Slc35d2	NM_001001321	0.002611	-6.67974	3.72934	4.99612	0.415586	-1.26678	-2.40624
Basp1	NM_027395	0.000121	-14.8086	6.08894	7.35592	0.415529	-1.26698	-2.40657
Igfbp3	NM_008343	0.004681	-5.70039	6.03378	7.30357	0.414721	-1.26979	-2.41126
Rftn1	NM_181397	0.000801	-9.12399	4.90107	6.17093	0.4147	-1.26986	-2.41138
Ccng1	NM_009831	0.001894	-7.27804	9.43149	10.7015	0.414645	-1.27005	-2.4117
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Galnt12	NM_172693	0.001555	-7.66791	4.42122	5.69348	0.414011	-1.27226	-2.41539
Tacc1	NM_177089	0.00014	-14.2731	7.64247	8.91529	0.413851	-1.27282	-2.41633
Apba1	NM_177034	0.004177	-5.88142	4.30677	5.58503	0.412292	-1.27826	-2.42547
Gtdc1	NM_172662	0.004326	-5.82522	5.87909	7.16203	0.410957	-1.28294	-2.43334
Tspyl4	NM_030203	0.006876	-5.12204	4.59599	5.88076	0.410434	-1.28478	-2.43644
Stk40	NM_001145827	0.001602	-7.60813	6.20851	7.49578	0.409727	-1.28727	-2.44065
2510009E07Rik	NM_001001881	0.001213	-8.18516	5.54088	6.83004	0.409188	-1.28916	-2.44386
Ddr2	NM_022563	0.000713	-9.40168	9.14122	10.4316	0.40884	-1.29039	-2.44595
Lass4	NM_026058	0.000215	-12.7959	6.88936	8.18024	0.408703	-1.29088	-2.44677
Bnc2	NM_172870	0.00198	-7.19255	6.71859	8.01058	0.408386	-1.29199	-2.44866
Ttc38	NM_001033337	0.000394	-10.9589	4.98992	6.28202	0.408354	-1.29211	-2.44885
Zfp287	NM_133208	0.001712	-7.47592	3.9883	5.28193	0.407923	-1.29363	-2.45144
Klf15	NM_023184	0.003621	-6.11506	5.68851	6.98363	0.407501	-1.29512	-2.45398
Ifngr2	NM_008338	0.000138	-14.3252	8.41516	9.71051	0.407437	-1.29535	-2.45437
Icam1	NM_010493	0.001971	-7.20081	5.52793	6.82396	0.407247	-1.29602	-2.45551
Gria1	NM_001113325	0.001869	-7.30394	3.70858	5.00644	0.406729	-1.29786	-2.45864
Ifitm3	NM_025378	0.002186	-7.00533	10.7893	12.0881	0.406455	-1.29883	-2.4603
Trim47	NM_172570	0.001801	-7.37527	5.50655	6.80736	0.405899	-1.30081	-2.46366
Gal3st4	NM_001033416	0.006928	-5.11124	3.46895	4.77677	0.40393	-1.30782	-2.47567
Irx5	NM_018826	0.005093	-5.56915	5.82877	7.13781	0.40359	-1.30904	-2.47776
Ahnak2	AK138503	0.00059	-9.87489	8.20359	9.51307	0.403468	-1.30947	-2.47851
Klhl29	NM_001164493	0.000806	-9.10737	4.74288	6.05396	0.403016	-1.31109	-2.48129

Gabrb1	NM_008069	0.000223	-12.6714	3.47667	4.7889	0.402697	-1.31223	-2.48326
Mir485	NR_030253	0.003198	-6.32444	4.69872	6.01371	0.401927	-1.31499	-2.48801
Mn1	NM_001081235	0.00045	-10.5886	4.56427	5.89064	0.398769	-1.32638	-2.50772
Mir487b	NR_030271	0.006738	-5.15131	4.08461	5.41124	0.398699	-1.32663	-2.50816
Magee1	NM_053201	1.00E-05	-27.7735	6.27573	7.60669	0.397503	-1.33096	-2.5157
Loxl4	NM_001164311	0.002092	-7.08811	3.72696	5.05929	0.397128	-1.33233	-2.51808
Ugt1a9	NM_201644	0.000157	-13.863	6.62872	7.96195	0.396879	-1.33323	-2.51966
B4gal5	NM_019835	0.001484	-7.76291	7.06156	8.39759	0.396109	-1.33603	-2.52456
Tspan12	NM_173007	0.000175	-13.4768	3.72659	5.06314	0.395967	-1.33655	-2.52547
Rhbd2	NM_172572	0.001541	-7.68642	4.81721	6.1539	0.395928	-1.33669	-2.52571
Aldh9a1	NM_019993	0.000254	-12.2581	7.49721	8.83771	0.394884	-1.3405	-2.53239
Cdkn1c	NM_001161624	0.005304	-5.50688	5.45451	6.7961	0.394586	-1.34159	-2.5343
Gnai1	NM_010305	0.003013	-6.42739	4.11629	5.45933	0.394188	-1.34304	-2.53686
Enah	NM_010135	1.53E-07	-79.0923	6.58137	7.92601	0.393752	-1.34464	-2.53967
1810014F10Rik	NM_026928	0.001717	-7.46979	4.64353	5.98866	0.393618	-1.34513	-2.54053
Col3a1	NM_009930	0.000215	-12.7917	11.2612	12.6094	0.39279	-1.34817	-2.54589
Mir154	NR_029564	0.000242	-12.4104	2.99182	4.34075	0.392584	-1.34893	-2.54722
Magt1	NM_001190409	0.000255	-12.2481	9.04671	10.3964	0.392384	-1.34966	-2.54853
Mir155	NR_029565	0.003402	-6.21975	4.06771	5.41942	0.391828	-1.35171	-2.55214
Kdelc2	NM_212445	0.000133	-14.4586	6.90174	8.25707	0.390846	-1.35533	-2.55855
AA388235	NR_033305	0.002841	-6.52975	3.81921	5.17533	0.390632	-1.35612	-2.55995
Hoxb9	NM_008270	0.006117	-5.2928	5.06009	6.41722	0.390357	-1.35713	-2.56176
Pde8b	NM_172263	0.00045	-10.5875	4.95682	6.3213	0.388374	-1.36448	-2.57484
Csf1	NM_007778	0.000338	-11.3956	8.10274	9.47249	0.386958	-1.36975	-2.58426
Jtb	NM_206924	0.00584	-5.3615	7.16272	8.53349	0.386685	-1.37077	-2.58609
Sdr39u1	NM_001082975	8.31E-07	-51.7993	4.8118	6.18432	0.386215	-1.37252	-2.58923
Tnfaip8	NM_134131	0.001894	-7.27827	6.88368	8.25872	0.38554	-1.37505	-2.59377
Cap2	NM_026056	0.00088	-8.90205	4.68196	6.05748	0.385416	-1.37551	-2.5946
Svil	NM_153153	1.16E-05	-26.7446	7.46644	8.84501	0.3846	-1.37857	-2.60011
Tiam1	NM_009384	0.000548	-10.0631	4.86239	6.24303	0.384051	-1.38063	-2.60382
Cdyl	NM_009881	0.000393	-10.9631	3.89675	5.28126	0.383019	-1.38451	-2.61084

Irx1	NM_010573	0.000662	-9.58654	5.15539	6.54221	0.382406	-1.38682	-2.61502
Gm1973	NM_029288	0.000344	-11.3424	3.26109	4.65275	0.381126	-1.39166	-2.62381
Hyi	NM_026601	6.99E-05	-17.0215	6.08535	7.47883	0.380645	-1.39348	-2.62712
BC034090	AK129406	0.002905	-6.49082	4.73506	6.12864	0.38062	-1.39358	-2.62729
Leprel2	NM_013534	0.000386	-11.0125	6.81129	8.20635	0.380228	-1.39506	-2.63
Mir377	NR_029878	0.000261	-12.1827	3.38904	4.78423	0.380196	-1.39519	-2.63022
Cyb5	NM_025797	0.000732	-9.33785	8.20826	9.60359	0.380157	-1.39533	-2.63049
Dse	NM_172508	0.000119	-14.888	8.58036	9.97783	0.379594	-1.39747	-2.63439
Rab20	NM_011227	0.000791	-9.15162	5.17068	6.56848	0.379505	-1.39781	-2.63501
Hoxc9	NM_008272	0.005299	-5.50841	4.8936	6.29155	0.379468	-1.39795	-2.63527
Ksr1	NM_013571	0.000824	-9.05491	5.92515	7.32378	0.379289	-1.39863	-2.63651
Gfra2	NM_008115	0.004622	-5.72004	4.59607	5.99572	0.379022	-1.39965	-2.63837
Snx30	NM_172468	0.000677	-9.52832	6.18326	7.58394	0.37875	-1.40068	-2.64026
Cebpd	NM_007679	0.002127	-7.05673	4.6353	6.03734	0.378394	-1.40204	-2.64275
Fndc3a	NM_207636	0.000406	-10.8745	9.06954	10.4716	0.378383	-1.40208	-2.64282
Idua	NM_008325	0.001743	-7.43953	4.92505	6.32861	0.377996	-1.40356	-2.64553
Cnp	NM_009923	0.000892	-8.87107	4.42442	5.82907	0.37771	-1.40465	-2.64753
	---	0.004985	-5.60209	7.64321	9.04903	0.377402	-1.40583	-2.6497
Nenf	NM_025424	0.001725	-7.46029	7.15421	8.56053	0.377273	-1.40632	-2.6506
Psm8	NM_010724	0.001763	-7.41788	4.02015	5.42798	0.376878	-1.40783	-2.65338
Gm3579	AY140896	0.000459	-10.5376	3.96776	5.37677	0.376572	-1.409	-2.65554
Gm3579	AY140896	0.000459	-10.5376	3.96776	5.37677	0.376572	-1.409	-2.65554
Cyp4v3	NM_133969	5.75E-05	-17.8815	5.27869	6.68907	0.376212	-1.41038	-2.65808
Notch1	NM_008714	0.002717	-6.60896	5.46505	6.87618	0.376017	-1.41113	-2.65945
Cmtm6	NM_026036	8.77E-05	-16.0696	7.23354	8.64548	0.375805	-1.41194	-2.66095
Snai2	NM_011415	0.001611	-7.59674	7.32384	8.737	0.375488	-1.41316	-2.6632
Stxbp6	NM_144552	0.001218	-8.17664	4.65436	6.06853	0.375224	-1.41418	-2.66508
Slc43a1	NM_001081349	0.000401	-10.9054	4.25921	5.67359	0.375171	-1.41438	-2.66545
Tcf4	NM_013685	1.52E-05	-25.0182	8.45273	9.86767	0.375027	-1.41493	-2.66648
Arl5a	NM_182994	0.001368	-7.93191	8.16903	9.58425	0.374953	-1.41522	-2.667
Mir369	NR_030272	0.00079	-9.15507	2.98279	4.39845	0.374839	-1.41566	-2.66781

Ibtk	NM_001081282	0.000624	-9.73247	7.0783	8.49551	0.374433	-1.41722	-2.6707
Gm5458	NM_001024706	0.00016	-13.7856	3.75579	5.17347	0.374315	-1.41768	-2.67155
Fam198a	BC113767	4.35E-05	-19.1878	4.60434	6.03018	0.372204	-1.42584	-2.6867
Tmem223	NM_025791	0.000218	-12.7516	7.90365	9.33029	0.371996	-1.42664	-2.6882
Ntn1	NM_008744	0.000727	-9.35568	5.44953	6.87642	0.371932	-1.42689	-2.68866
Slc2a3	NM_011401	0.002962	-6.45688	4.35938	5.78642	0.371893	-1.42704	-2.68895
Paox	NM_153783	0.001941	-7.23037	5.56153	6.98963	0.371619	-1.4281	-2.69093
D10Ertd610e	NM_028027	2.03E-05	-23.2499	7.81542	9.24451	0.371366	-1.42909	-2.69276
Abcb8	NM_029020	0.000234	-12.5269	5.48792	6.91846	0.370993	-1.43054	-2.69547
Ak5	NM_001081277	0.00449	-5.76578	4.61506	6.04581	0.370938	-1.43075	-2.69587
Maob	NM_172778	9.08E-05	-15.9284	4.73892	6.17094	0.370613	-1.43202	-2.69824
Nbl1	NM_008675	0.000253	-12.2695	7.12237	8.55608	0.370176	-1.43372	-2.70142
2900062L11Rik	NM_029823	0.002405	-6.82893	2.84505	4.27998	0.369866	-1.43493	-2.70368
St6gal1	NM_145933	1.54E-05	-24.919	4.58569	6.02678	0.368289	-1.44109	-2.71526
Tmeff1	NM_021436	0.002575	-6.70473	6.51106	7.95233	0.368243	-1.44127	-2.7156
Leprel1	NM_173379	0.000678	-9.52583	4.1594	5.60487	0.367173	-1.44547	-2.72351
Rab39b	NM_175122	0.005206	-5.53542	4.46955	5.91635	0.366835	-1.4468	-2.72602
H60b	NM_001177775	0.000922	-8.79548	2.81425	4.26475	0.365896	-1.45049	-2.73302
Nmi	NM_001141949	0.000775	-9.2007	3.58886	5.04302	0.364966	-1.45417	-2.73998
Cblb	NM_001033238	5.40E-05	-18.1665	6.75789	8.21242	0.364873	-1.45453	-2.74068
Entpd5	NM_001026214	1.12E-05	-26.9953	6.68748	8.14428	0.364299	-1.4568	-2.745
Hoxb2	NM_134032	0.000163	-13.7208	5.36966	6.82827	0.363844	-1.45861	-2.74843
Fndc4	NM_022424	0.002426	-6.81277	4.59224	6.05322	0.363248	-1.46097	-2.75294
Ckb	NM_021273	0.000997	-8.61703	6.27555	7.74053	0.36224	-1.46498	-2.7606
Ctsb	NM_007798	0.000526	-10.1732	10.5546	12.0268	0.360415	-1.47227	-2.77458
Hoxd4	NM_010469	0.005076	-5.57429	4.03404	5.51162	0.359089	-1.47758	-2.78482
Ssh3	NM_198113	0.000137	-14.3451	5.6055	7.08397	0.358868	-1.47847	-2.78654
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Hs3st1	NM_010474	0.000285	-11.9072	4.22781	5.70762	0.358536	-1.47981	-2.78912
Ppl	NM_008909	0.000114	-15.0448	4.89219	6.37642	0.357439	-1.48423	-2.79768
Nsg1	NM_010942	0.000451	-10.5863	8.20536	9.68962	0.357431	-1.48426	-2.79774

Itga9	NM_133721	0.001434	-7.83368	4.6751	6.1602	0.357224	-1.4851	-2.79936
Slc19a2	NM_054087	0.000412	-10.8301	6.77232	8.25864	0.356923	-1.48631	-2.80172
Pard6g	NM_053117	0.000627	-9.72107	5.15364	6.6405	0.356789	-1.48686	-2.80278
Fah	NM_010176	0.000539	-10.1092	4.47589	5.96785	0.355529	-1.49196	-2.81271
Btg2	NM_007570	0.001257	-8.10906	5.58009	7.07291	0.355317	-1.49282	-2.81439
A4galt	NM_001170954	0.004132	-5.89862	6.04935	7.5428	0.355162	-1.49345	-2.81561
Nfil3	NM_017373	0.00056	-10.0102	7.20482	8.69934	0.354897	-1.49453	-2.81772
Ahnak2	BC138468	0.000264	-12.1456	8.0481	9.54727	0.353757	-1.49917	-2.8268
Lhfp12	NM_172589	8.99E-05	-15.9708	8.83234	10.3353	0.352827	-1.50297	-2.83425
Esr1	NM_007956	0.005539	-5.44104	4.72984	6.23545	0.352181	-1.50561	-2.83945
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Naprt1	NM_172607	0.002924	-6.4793	5.37215	6.87817	0.35208	-1.50603	-2.84027
Tpst1	NM_001130476	6.61E-05	-17.2642	7.38087	8.88717	0.352012	-1.5063	-2.84081
Slc6a8	NM_133987	0.000493	-10.3457	6.62436	8.13696	0.35048	-1.5126	-2.85323
Zfp7	NM_145916	0.000241	-12.4303	3.64788	5.16171	0.350181	-1.51383	-2.85567
Tnik	NM_026910	0.000407	-10.8649	4.91383	6.428	0.350099	-1.51417	-2.85634
Gm13691	NM_001177432	0.000291	-11.8434	8.40674	9.92132	0.35	-1.51457	-2.85714
Gm13691	NM_001177432	0.000291	-11.8434	8.40674	9.92132	0.35	-1.51457	-2.85714
Gm13691	NM_001177432	0.000291	-11.8434	8.40674	9.92132	0.35	-1.51457	-2.85714
Gm13691	NM_001177432	0.000291	-11.8434	8.40674	9.92132	0.35	-1.51457	-2.85714
Gm13691	NM_001177432	0.000291	-11.8434	8.40674	9.92132	0.35	-1.51457	-2.85714
Gm13691	NM_001177432	0.000291	-11.8434	8.40674	9.92132	0.35	-1.51457	-2.85714
Gm13691	NM_001177432	0.000291	-11.8434	8.40674	9.92132	0.35	-1.51457	-2.85714
ND6	ENSMUST0000008241 9	0.006399	-5.22649	9.14835	10.6661	0.349232	-1.51774	-2.86342
Errfi1	NM_133753	0.002022	-7.15193	7.89852	9.41922	0.348518	-1.52069	-2.86929
Lxn	NM_016753	0.002782	-6.56693	7.31474	8.8422	0.346888	-1.52746	-2.88277
Hic1	NM_010430	0.003484	-6.17959	5.56518	7.09372	0.346629	-1.52854	-2.88493
Gng8	NM_010320	0.000987	-8.63886	4.81196	6.34399	0.345792	-1.53202	-2.89191
Ralgds	NM_001145835	0.001238	-8.14274	6.23476	7.76984	0.345062	-1.53507	-2.89803
Scara3	NM_172604	0.000507	-10.2683	4.46819	6.00341	0.345027	-1.53522	-2.89833

Gclc	NM_010295	0.000415	-10.81	7.23366	8.77002	0.344755	-1.53636	-2.90061
Dzip1	NM_025943	0.000539	-10.1101	6.2959	7.83462	0.344189	-1.53873	-2.90538
Ttyh3	NM_175274	2.98E-05	-21.1111	7.03804	8.57825	0.343836	-1.54021	-2.90836
Moxd1	NM_021509	0.00301	-6.42889	4.07155	5.61247	0.343668	-1.54091	-2.90979
Fosl2	NM_008037	0.000121	-14.8056	7.32238	8.87203	0.341593	-1.54965	-2.92746
Aoc3	NM_009675	0.000411	-10.8423	5.72243	7.2797	0.339795	-1.55727	-2.94295
Dnajc15	NM_025384	0.002398	-6.8344	5.80816	7.37092	0.338502	-1.56276	-2.95419
Sgpp1	NM_030750	4.75E-05	-18.7613	7.32997	8.89739	0.337412	-1.56742	-2.96374
Pip4k2a	NM_008845	0.000344	-11.3498	6.64246	8.21113	0.33712	-1.56866	-2.9663
Ctsz	NM_022325	0.000464	-10.5041	9.80226	11.3726	0.336725	-1.57036	-2.96979
Lhfp	NM_175386	9.33E-05	-15.8214	7.41675	8.98814	0.336483	-1.57139	-2.97192
Idh1	NM_010497	0.001088	-8.42163	9.27469	10.853	0.334868	-1.57834	-2.98625
Mageh1	NM_023788	0.003189	-6.32931	3.9852	5.57426	0.332387	-1.58907	-3.00854
Bcor	NM_029510	0.000211	-12.858	4.61471	6.20412	0.332307	-1.58941	-3.00926
Angptl2	NM_011923	0.002741	-6.59318	8.73638	10.336	0.329963	-1.59962	-3.03064
Eid2b	NM_001177427	0.000723	-9.36855	4.53519	6.13661	0.329552	-1.60142	-3.03443
Rnf144a	NM_001081977	2.58E-05	-21.878	5.298	6.9023	0.328895	-1.6043	-3.04048
Rnf113a2	NM_025525	0.004034	-5.93749	4.49915	6.10346	0.328894	-1.6043	-3.04049
Kctd12b	NM_175429	0.002721	-6.60624	4.22806	5.83863	0.327469	-1.61057	-3.05372
Klhl23	NM_177784	0.000614	-9.7746	3.77723	5.38974	0.327029	-1.61251	-3.05783
Csrp2	NM_007792	0.004503	-5.76133	7.16193	8.7769	0.326472	-1.61497	-3.06305
Ryk	NM_013649	3.09E-05	-20.9103	8.17329	9.78892	0.326323	-1.61563	-3.06445
Lbh	NM_029999	0.000152	-13.979	7.75173	9.3699	0.325747	-1.61818	-3.06987
Grasp	NM_019518	0.005966	-5.32972	6.43908	8.05743	0.325707	-1.61835	-3.07024
Mir543	NR_030261	0.000191	-13.1874	3.31604	4.9355	0.325458	-1.61946	-3.07259
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Rcn3	NM_026555	0.000238	-12.4674	9.69373	11.3145	0.325166	-1.62075	-3.07536
Cfb	NM_008198	0.002346	-6.87442	5.25531	6.8771	0.324932	-1.62179	-3.07757
Camk1d	NM_177343	0.000763	-9.23896	4.3107	5.93305	0.324806	-1.62235	-3.07876
Stox2	NM_175162	0.002891	-6.49915	3.949	5.57182	0.324701	-1.62282	-3.07976
Tshz1	NM_001081300	0.000319	-11.5655	6.27968	7.90371	0.324428	-1.62403	-3.08235

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Zfp105	NM_009544	0.000723	-9.36884	3.66613	5.29324	0.323735	-1.62712	-3.08895
Ece2	NM_139293	0.000482	-10.402	4.74622	6.37682	0.322954	-1.6306	-3.09642
Gm5458	NM_001024706	0.000798	-9.13239	3.73355	5.36818	0.322054	-1.63463	-3.10507
Trerf1	NM_001097623	0.000177	-13.4445	5.12625	6.76266	0.321656	-1.63641	-3.10891
Flrt2	NM_201518	0.003825	-6.0243	7.06701	8.70477	0.321355	-1.63776	-3.11182
Pcdhb16	NM_053141	0.001412	-7.86613	6.6038	8.24168	0.321328	-1.63788	-3.11209
Pir	NM_027153	4.61E-05	-18.9015	4.46561	6.10907	0.320088	-1.64346	-3.12415
Mapkapk3	NM_178907	0.001736	-7.44764	4.53986	6.18512	0.319688	-1.64527	-3.12805
Tmem154	NM_177260	0.000658	-9.60114	3.73016	5.38093	0.318471	-1.65077	-3.14001
Col4a5	NM_001163155	0.000232	-12.5462	5.13367	6.78997	0.317253	-1.6563	-3.15206
Rassf8	ENSMUST0000011170 4	0.000305	-11.7015	6.47059	8.127	0.317229	-1.6564	-3.15229
Gm10808	ENSMUST0000009972 8	0.001272	-8.0841	4.02088	5.68051	0.316519	-1.65964	-3.15937
B4galnt1	NM_008080	0.001008	-8.59314	5.10266	6.76378	0.316194	-1.66112	-3.16261
Six1	NM_009189	0.003729	-6.06649	3.68455	5.34736	0.315824	-1.66281	-3.16632
Slc36a4	NM_172289	0.000299	-11.7654	7.02258	8.68548	0.315804	-1.6629	-3.16652
Greb1l	NM_001083628	0.000469	-10.4803	4.79541	6.46255	0.314876	-1.66714	-3.17585
Dennd2c	NM_177857	0.006307	-5.24773	4.35935	6.02884	0.314364	-1.66949	-3.18103
Ano3	NM_001128103	0.005056	-5.58027	3.58902	5.25978	0.314088	-1.67076	-3.18382
Cebpa	NM_007678	0.001116	-8.36651	4.78772	6.46061	0.313625	-1.67289	-3.18852
Hebp1	NM_013546	0.000418	-10.7904	4.7398	6.41456	0.313219	-1.67476	-3.19266
Rnf24	NM_178607	0.003017	-6.4249	5.72052	7.3986	0.312498	-1.67808	-3.20002
	---	0.001324	-7.99948	4.0363	5.71739	0.311846	-1.68109	-3.20671
Mir679	NR_030445	0.003478	-6.18237	5.28765	6.9702	0.311532	-1.68255	-3.20994
	---	6.81E-05	-17.1302	4.53339	6.21988	0.310681	-1.68649	-3.21873
Capns2	NM_027112	0.000828	-9.04447	4.34827	6.03611	0.310393	-1.68783	-3.22172
Layn	NM_001033534	0.004641	-5.71378	7.34501	9.03297	0.310366	-1.68796	-3.22201
Fam78b	NM_001160262	4.02E-05	-19.5665	3.70625	5.40119	0.308867	-1.69494	-3.23764
Ica1	NM_010492	0.000199	-13.0505	3.56962	5.26761	0.308215	-1.69799	-3.24449
Pfkfb3	NM_001177753	0.003848	-6.01476	6.1756	7.87474	0.307971	-1.69914	-3.24706

BC005764	NR_033210	0.004053	-5.93012	5.50617	7.20803	0.307389	-1.70186	-3.2532
Inpp1	NM_008384	2.16E-05	-22.888	4.89573	6.59885	0.30712	-1.70313	-3.25606
	---	0.000376	-11.0914	5.51847	7.2225	0.306927	-1.70403	-3.2581
Pld2	NM_008876	4.88E-05	-18.6319	4.88164	6.58788	0.306457	-1.70624	-3.2631
Rasl11a	NM_026864	0.007097	-5.07676	5.5126	7.22107	0.305985	-1.70847	-3.26813
Mgll	NM_001166251	0.001661	-7.53599	5.13674	6.84573	0.305876	-1.70898	-3.2693
Chsy3	NM_001081328	0.004061	-5.92687	4.78338	6.49302	0.305736	-1.70964	-3.27079
Smarca1	NM_053123	0.002035	-7.14049	3.83539	5.54681	0.305358	-1.71142	-3.27484
Fkbp7	NM_010222	0.002234	-6.96455	7.54912	9.26523	0.304369	-1.71611	-3.28549
Cxcl16	NM_023158	0.000451	-10.5842	4.04488	5.76229	0.304094	-1.71741	-3.28845
Zfhx4	NM_030708	0.002997	-6.4365	5.74781	7.46654	0.303817	-1.71873	-3.29145
Enox1	NM_172813	0.001237	-8.14361	5.06599	6.78575	0.303599	-1.71976	-3.29382
Mmp23	NM_011985	0.001097	-8.40394	4.5132	6.23487	0.303197	-1.72167	-3.29818
Gm3002	NR_033388	0.002688	-6.628	3.91092	5.63336	0.303036	-1.72244	-3.29994
Phactr2	NM_001195096	0.000876	-8.91339	3.85237	5.57569	0.302851	-1.72332	-3.30195
Pcdhb14	NM_053139	0.001971	-7.20155	3.64545	5.36918	0.302764	-1.72373	-3.3029
Mmp27	NM_001030289	0.000147	-14.0878	3.89549	5.62336	0.301897	-1.72787	-3.31238
Fxyd1	NM_052992	0.000105	-15.3643	7.19884	8.92742	0.301747	-1.72859	-3.31403
Armcx1	NM_001166377	1.11E-05	-27.0635	5.90011	7.62948	0.301582	-1.72938	-3.31585
Gch1	NM_008102	6.65E-05	-17.2318	3.57442	5.30523	0.301283	-1.73081	-3.31914
Antxr1	NM_054041	1.38E-05	-25.6043	8.52643	10.2601	0.300694	-1.73363	-3.32564
Tmed3	NM_025360	0.000218	-12.7561	7.51219	9.24684	0.300482	-1.73465	-3.32799
Nr4a2	NM_001139509	0.005782	-5.37641	6.46643	8.20313	0.300056	-1.73669	-3.33271
2010002N04Rik	NM_134133	0.006537	-5.19541	6.705	8.44213	0.299966	-1.73713	-3.33371
Rad9b	NM_144912	0.005186	-5.54126	4.65206	6.39186	0.299412	-1.7398	-3.33988
Abcd2	NM_011994	0.000159	-13.8239	4.97842	6.71918	0.299211	-1.74077	-3.34212
Lhx8	NM_010713	0.004697	-5.69482	4.23141	5.97228	0.299189	-1.74087	-3.34236
Kif26b	NM_001161665	0.000733	-9.33629	5.68058	7.42251	0.298969	-1.74193	-3.34483
Mir134	NR_029548	0.000647	-9.64127	5.83584	7.58174	0.298149	-1.74589	-3.35403
Slc2a13	NM_001033633	9.32E-05	-15.8252	5.5014	7.24731	0.298146	-1.74591	-3.35406
Cercam	NM_207298	0.003407	-6.21697	5.2364	6.98308	0.297988	-1.74667	-3.35584

Kif26b	NM_001161665	0.000365	-11.1721	5.77469	7.5237	0.297507	-1.749	-3.36126
Nme4	NM_019731	0.000397	-10.9361	4.6299	6.38826	0.295582	-1.75837	-3.38315
Nudt12	NM_026497	0.000117	-14.9298	4.101	5.86486	0.29446	-1.76386	-3.39605
BC026585	NM_001033284	0.005882	-5.35098	4.59185	6.35715	0.294166	-1.7653	-3.39944
Tmem119	NM_146162	0.002179	-7.01081	6.42523	8.19265	0.293734	-1.76742	-3.40444
Mir380	NR_029881	2.17E-05	-22.8572	2.90388	4.67895	0.292181	-1.77506	-3.42253
Rhoj	NM_023275	3.32E-05	-20.5346	7.53152	9.31207	0.291072	-1.78055	-3.43557
Gstt1	NM_008185	2.34E-05	-22.4339	4.93104	6.71456	0.290474	-1.78352	-3.44265
Tbx3	NM_011535	0.000571	-9.96042	7.01745	8.80387	0.289891	-1.78642	-3.44958
Gm1973	NM_029288	0.006267	-5.25712	3.7827	5.57172	0.289369	-1.78902	-3.4558
Sirpa	NM_007547	1.10E-05	-27.0877	7.01014	8.80175	0.288849	-1.79161	-3.46202
Fam13a	NM_153574	0.000717	-9.38736	3.63344	5.42753	0.288352	-1.7941	-3.46798
Crip1	NM_007763	0.001355	-7.951	5.98958	7.78591	0.287907	-1.79632	-3.47334
Gm9927	AK034060	9.98E-05	-15.5514	2.84787	4.64569	0.287608	-1.79782	-3.47696
G630090E17Rik	NM_001173500	0.001495	-7.74832	3.05152	4.85415	0.28665	-1.80264	-3.48857
4930523C07Rik	NM_001162896	0.000348	-11.313	5.73578	7.54224	0.285893	-1.80646	-3.49782
Ctsh	NM_007801	0.00375	-6.05692	3.85341	5.66132	0.285605	-1.80791	-3.50134
	---	0.000127	-14.6375	4.36662	6.17913	0.284695	-1.81251	-3.51253
Tgfbr2	NM_009371	0.003979	-5.95991	7.88615	9.70099	0.284236	-1.81484	-3.5182
Gas7	NM_008088	0.002808	-6.55084	6.85846	8.67405	0.284087	-1.81559	-3.52005
Cyp2j9	NM_028979	0.000614	-9.77387	4.0402	5.85818	0.283618	-1.81798	-3.52586
Mgmt	NM_008598	0.000702	-9.44216	4.94614	6.76598	0.283253	-1.81984	-3.53042
Pf1e1	NM_019588	0.003237	-6.30412	4.02032	5.84142	0.283005	-1.8211	-3.53351
Hhip1	NM_001044380	3.34E-05	-20.5045	5.35592	7.17858	0.2827	-1.82266	-3.53732
Xlr3a	NM_001110784	0.000573	-9.94802	3.70548	5.53164	0.282013	-1.82617	-3.54594
Arhgef5	NM_133674	1.21E-05	-26.4786	4.55137	6.3779	0.281943	-1.82653	-3.54682
Hoxb7	NM_010460	0.001178	-8.24994	5.30815	7.13473	0.281932	-1.82658	-3.54696
Xylt1	NM_175645	0.000956	-8.71309	4.92676	6.75569	0.281473	-1.82893	-3.55274
4930555G01Rik	NM_175393	0.00163	-7.57357	3.8143	5.64457	0.281212	-1.83027	-3.55604
4930555G01Rik	NM_175393	0.00163	-7.57357	3.8143	5.64457	0.281212	-1.83027	-3.55604
Tet2	NM_001040400	4.31E-05	-19.2253	4.17581	6.00816	0.280806	-1.83235	-3.56118

Fam43a	NM_177632	9.07E-06	-28.4606	5.36229	7.1949	0.280757	-1.83261	-3.5618
Slc8a1	NM_011406	0.000734	-9.33262	3.81742	5.65242	0.280291	-1.835	-3.56772
Flt1	NM_010228	0.000401	-10.91	5.0449	6.88402	0.279493	-1.83912	-3.57791
Letmd1	NM_134093	5.07E-05	-18.4566	5.1222	6.96167	0.279423	-1.83947	-3.5788
Zfp667	NM_001024928	0.000106	-15.2986	4.80266	6.65001	0.277903	-1.84735	-3.59838
Sparcl1	NM_010097	0.001462	-7.79326	4.34185	6.1908	0.277593	-1.84896	-3.6024
Plcb1	NM_019677	8.32E-05	-16.2862	5.57941	7.42863	0.277542	-1.84922	-3.60305
Xdh	NM_011723	0.001023	-8.55887	8.41368	10.2684	0.276482	-1.85474	-3.61687
Adcy2	NM_153534	0.001448	-7.81286	4.0396	5.89886	0.275617	-1.85926	-3.62822
Acsf2	NM_153807	0.000125	-14.6958	4.10865	5.96842	0.275521	-1.85977	-3.62949
Gli2	NM_001081125	0.002084	-7.09495	5.24277	7.10538	0.274979	-1.86261	-3.63665
Nol3	NM_030152	0.000198	-13.071	4.97445	6.83718	0.274955	-1.86273	-3.63696
Fzd6	NM_008056	0.003103	-6.37638	4.59774	6.463	0.274475	-1.86526	-3.64333
Fgd4	NM_139232	0.005448	-5.46617	3.46743	5.33579	0.273886	-1.86835	-3.65115
Acsf2	NM_153807	9.62E-06	-28.0446	4.33679	6.2118	0.272625	-1.87501	-3.66804
Enc1	NM_007930	0.000742	-9.306	7.40195	9.27879	0.27228	-1.87684	-3.67269
Trf	NM_133977	0.002969	-6.45318	4.86786	6.74695	0.271855	-1.87909	-3.67844
Scarf2	NM_153790	0.001305	-8.02951	5.65067	7.53046	0.271724	-1.87979	-3.68021
Bambi	NM_026505	0.000137	-14.3594	5.40217	7.28196	0.271724	-1.87979	-3.68021
Egr1	NM_007913	0.000176	-13.4652	5.37403	7.25918	0.270715	-1.88515	-3.69392
Gnptab	NM_001004164	8.36E-05	-16.2644	7.2329	9.13399	0.267742	-1.90109	-3.73494
Fat4	NM_183221	0.000815	-9.08178	5.54853	7.44965	0.267736	-1.90111	-3.73502
Arhgap6	NM_009707	9.42E-05	-15.7824	3.9184	5.82696	0.266359	-1.90856	-3.75434
Gpx7	NM_024198	0.000614	-9.77227	4.5193	6.42799	0.266334	-1.90869	-3.75468
Zfp518a	NM_028319	0.001096	-8.40637	3.22654	5.13909	0.265622	-1.91256	-3.76475
Fzd1	NM_021457	9.28E-05	-15.8416	8.30323	10.2166	0.26547	-1.91338	-3.7669
Ddit4l	NM_030143	0.000688	-9.48863	4.74321	6.66373	0.264158	-1.92053	-3.78561
Pde4b	NM_019840	0.005664	-5.40738	4.66619	6.59206	0.263182	-1.92587	-3.79965
Mir329	NR_029762	7.48E-05	-16.7287	3.98388	5.91274	0.262637	-1.92886	-3.80754
Tuba4a	NM_009447	0.000192	-13.1613	5.18628	7.11827	0.262068	-1.93198	-3.8158
Thbs2	NM_011581	0.001299	-8.03953	9.8544	11.7867	0.262005	-1.93233	-3.81671

Ghr	NM_010284	0.000114	-15.0513	9.1836	11.119	0.261454	-1.93537	-3.82476
Rbms3	NM_001172123	2.34E-05	-22.4398	7.05591	8.99139	0.261434	-1.93548	-3.82505
Fgfr2	NM_010207	0.003008	-6.43011	5.79403	7.73222	0.260943	-1.93819	-3.83225
Bace2	NM_019517	0.001018	-8.56989	4.29173	6.23787	0.259509	-1.94614	-3.85342
	---	0.000383	-11.0377	7.90174	9.85058	0.259025	-1.94884	-3.86063
Zrsr1	NM_011663	8.17E-05	-16.3601	4.03886	5.98931	0.258736	-1.95045	-3.86494
Pygl	NM_133198	0.002902	-6.49287	4.47397	6.42947	0.25783	-1.95551	-3.87852
Pion	NM_175437	0.000693	-9.47396	3.68791	5.64346	0.257823	-1.95555	-3.87864
H2-T23	NM_010398	0.000353	-11.2706	6.20271	8.16515	0.256595	-1.96243	-3.89719
Lrig3	NM_177152	0.000748	-9.28743	6.63003	8.59679	0.255827	-1.96676	-3.90889
Auts2	NM_177047	0.000144	-14.1625	4.34953	6.31799	0.255526	-1.96846	-3.9135
Ptk7	NM_175168	0.001423	-7.84955	5.32477	7.29476	0.255255	-1.96999	-3.91765
Fndc1	NM_001081416	0.000656	-9.60737	4.25821	6.23589	0.253899	-1.97768	-3.93858
Gstt3	NM_133994	0.000332	-11.4517	5.27145	7.25193	0.253405	-1.98048	-3.94626
Parm1	NM_145562	0.000267	-12.1122	5.04413	7.0283	0.252759	-1.98417	-3.95634
Mef2c	NM_001170537	0.001214	-8.18471	4.01849	6.00371	0.252574	-1.98522	-3.95923
Lpar1	NM_010336	8.87E-05	-16.0215	7.44658	9.43587	0.251863	-1.98929	-3.97041
Enpp5	NM_032003	0.000322	-11.5372	3.97507	5.96446	0.251846	-1.98939	-3.97069
Armcx6	NM_001007578	0.001328	-7.99396	4.79508	6.78496	0.25176	-1.98988	-3.97204
Map3k8	NM_007746	0.000144	-14.1695	5.43194	7.42764	0.250747	-1.99569	-3.98808
Kera	NM_008438	0.006252	-5.26062	3.86966	5.87176	0.249636	-2.0021	-4.00583
Sema7a	NM_011352	6.33E-06	-31.1541	5.29587	7.29933	0.249401	-2.00346	-4.00961
2610524H06Rik	NM_181075	0.000952	-8.72167	4.57214	6.57572	0.249379	-2.00359	-4.00996
Usp11	NM_145628	0.000116	-14.9647	4.53496	6.53913	0.249278	-2.00417	-4.01159
Pdgfrb	NM_001146268	0.000456	-10.5563	8.88502	10.8898	0.24918	-2.00474	-4.01316
Gas5	NR_002840	5.42E-05	-18.1512	9.658	11.6638	0.248992	-2.00583	-4.0162
Pde3a	NM_018779	0.003315	-6.26337	4.08075	6.08868	0.248629	-2.00793	-4.02205
Ccl7	NM_013654	0.002364	-6.86033	7.80147	9.81067	0.248411	-2.0092	-4.02559
	---	0.000481	-10.4078	4.67667	6.68617	0.248358	-2.00951	-4.02644
Atp1b1	NM_009721	0.004036	-5.93681	4.32604	6.33611	0.248261	-2.01007	-4.02802
Mir323	NR_029757	4.87E-05	-18.6425	4.08443	6.09936	0.247426	-2.01493	-4.04161

Bcl3	NM_033601	0.000341	-11.368	5.3048	7.32077	0.247247	-2.01597	-4.04454
Trim13	NM_001164220	2.85E-05	-21.351	3.04904	5.06585	0.247103	-2.01681	-4.04689
Greb1l	NM_001083628	8.40E-05	-16.2484	4.11886	6.14093	0.246205	-2.02207	-4.06166
Khdrbs3	NM_010158	0.002222	-6.97449	4.82104	6.84694	0.245552	-2.0259	-4.07245
Xlr3c	NM_011727	0.000277	-11.9918	3.48934	5.52481	0.243929	-2.03547	-4.09956
Lsp1	NM_019391	0.000154	-13.9196	7.57458	9.61022	0.243901	-2.03563	-4.10003
	---	0.002744	-6.59124	5.98022	8.01636	0.243815	-2.03614	-4.10148
C3	NM_009778	0.000184	-13.3177	10.2986	12.338	0.243275	-2.03934	-4.11058
Pnp2	NM_001123371	1.15E-05	-26.8107	9.15488	11.1958	0.243014	-2.04089	-4.11499
Sumo3	NM_019929	0.000185	-13.3041	6.67898	8.72142	0.242752	-2.04245	-4.11943
Plagl1	NM_009538	0.004488	-5.76649	4.442	6.48939	0.241922	-2.04739	-4.13357
Tbx15	NM_009323	2.66E-05	-21.7167	7.30299	9.35524	0.241108	-2.05225	-4.14752
Fmr1	NM_008031	1.59E-05	-24.7254	8.0256	10.0803	0.240706	-2.05466	-4.15445
Slc19a1	NM_031196	0.001187	-8.23265	5.39146	7.44762	0.240456	-2.05615	-4.15876
Aldh7a1	NM_001127338	1.39E-06	-45.5126	6.75594	8.81255	0.240381	-2.05661	-4.16006
Nox4	NM_015760	0.000138	-14.3251	3.91718	5.97691	0.239862	-2.05972	-4.16906
Gm3002	NR_033388	0.000829	-9.04025	4.14917	6.2306	0.23628	-2.08143	-4.23227
Pdk4	NM_013743	0.000557	-10.0243	4.07573	6.16318	0.235296	-2.08745	-4.24996
Fbxl7	NM_176959	0.001904	-7.26747	4.8397	6.92903	0.23499	-2.08933	-4.2555
Larp6	NM_026235	0.001046	-8.51053	4.9455	7.03549	0.234882	-2.08999	-4.25745
B3galtl	NM_001081204	0.000272	-12.0524	4.29635	6.38859	0.234516	-2.09224	-4.2641
Capn6	NM_007603	0.000292	-11.838	5.90621	8.00003	0.234259	-2.09382	-4.26877
Airn	NR_002853	0.000169	-13.6069	3.68664	5.78217	0.233982	-2.09553	-4.27383
Fkbp11	NM_024169	0.000581	-9.91489	5.01065	7.11138	0.23314	-2.10073	-4.28927
Fam84a	NM_029007	0.004385	-5.80366	4.37551	6.48063	0.232431	-2.10513	-4.30235
Irx2	NM_010574	1.75E-05	-24.1148	6.00416	8.11333	0.231781	-2.10917	-4.31442
Rhod	NM_007485	5.41E-07	-57.6867	5.26281	7.37433	0.231402	-2.11153	-4.32148
Dhx40	NM_026191	0.000197	-13.0902	5.6148	7.72751	0.231212	-2.11271	-4.32504
Tnxb	NM_031176	2.52E-05	-22.0122	5.28839	7.40418	0.23072	-2.11578	-4.33425
Arhgef5	NM_133674	3.92E-05	-19.6965	4.71048	6.82784	0.230468	-2.11736	-4.339
Jam3	NM_023277	0.000354	-11.2623	5.93662	8.06212	0.229171	-2.1255	-4.36355

Gm10406	NM_001164727	0.00199	-7.18273	4.17421	6.30143	0.228898	-2.12722	-4.36875
Gm2897	NM_001177714	0.00112	-8.35968	3.46955	5.59752	0.228779	-2.12797	-4.37102
Gm2897	NM_001177714	0.00112	-8.35968	3.46955	5.59752	0.228779	-2.12797	-4.37102
Osr2	NM_054049	0.000576	-9.93672	5.15343	7.28222	0.22865	-2.12879	-4.37351
Gm3002	NR_033388	0.000814	-9.08413	3.88863	6.01841	0.228493	-2.12978	-4.3765
Peli2	NM_033602	7.56E-05	-16.6845	5.28359	7.4146	0.228297	-2.13101	-4.38025
Adcy3	NM_001159537	0.000258	-12.2139	4.89265	7.026	0.227927	-2.13335	-4.38737
Pnp	NM_013632	5.47E-05	-18.1056	8.03239	10.1662	0.22785	-2.13384	-4.38885
C2	NM_013484	0.001216	-8.18013	4.28921	6.42847	0.226996	-2.13926	-4.40537
2210016F16Rik	NM_027335	2.54E-05	-21.9688	5.49765	7.65015	0.224922	-2.1525	-4.44598
Itgbl1	NM_145467	0.000263	-12.157	4.70219	6.85644	0.22465	-2.15425	-4.45136
Pcdhb19	NM_053144	0.001174	-8.25699	4.0453	6.19986	0.224601	-2.15456	-4.45234
Psrc1	NM_019976	0.003436	-6.20261	5.16408	7.32074	0.224276	-2.15665	-4.45879
Ggta1	NM_010283	0.000218	-12.7557	5.61159	7.76853	0.224231	-2.15694	-4.45969
Gm3002	NR_033388	0.000761	-9.24497	3.62484	5.78248	0.224122	-2.15764	-4.46185
Gpr176	NM_201367	0.004916	-5.62379	4.69999	6.86678	0.222705	-2.16679	-4.49024
Slc39a8	NM_001135149	0.000271	-12.0634	4.15692	6.32579	0.222385	-2.16887	-4.4967
Gpr124	NM_054044	4.30E-05	-19.2407	6.62609	8.79774	0.221957	-2.17165	-4.50538
Rgs16	NM_011267	0.002868	-6.51345	6.4672	8.64367	0.221216	-2.17647	-4.52047
Tmem173	NM_028261	0.004277	-5.84317	7.13105	9.30761	0.221203	-2.17656	-4.52074
Pdgfc	NM_019971	0.000255	-12.2541	5.93544	8.11442	0.220831	-2.17899	-4.52836
Eid2	NM_198425	0.000188	-13.2478	4.92897	7.11426	0.219868	-2.18529	-4.54818
Chic1	NM_009767	1.16E-05	-26.7693	3.43268	5.61984	0.219584	-2.18715	-4.55406
Gm10406	NM_001164727	0.001443	-7.82068	4.18251	6.37048	0.219461	-2.18796	-4.55662
Ctla2a	NM_007796	0.002374	-6.85234	5.71106	7.90006	0.219303	-2.189	-4.55991
Agtr2	NM_007429	6.50E-05	-17.3357	4.12271	6.31251	0.219181	-2.1898	-4.56243
H2afy2	NM_207000	0.000152	-13.9783	4.18168	6.37155	0.21917	-2.18988	-4.56266
Mmd	NM_026178	0.002313	-6.90062	8.21684	10.4071	0.219118	-2.19022	-4.56376
Gpr137b	NM_031999	0.000262	-12.1641	6.57227	8.78637	0.215522	-2.2141	-4.6399
Gm3002	NR_033388	0.001631	-7.57168	3.63563	5.85015	0.215458	-2.21452	-4.64127
Smox	NM_001177833	0.000139	-14.3048	5.79662	8.01185	0.215351	-2.21524	-4.64357

Galm	NM_176963	0.002516	-6.74649	4.37559	6.59639	0.214523	-2.2208	-4.66151
Hoxc5	NM_175730	0.001553	-7.66995	4.49912	6.7208	0.214392	-2.22168	-4.66435
Sash1	NM_175155	2.22E-05	-22.7152	6.85942	9.08292	0.214122	-2.22349	-4.67023
Adam19	NM_009616	0.000576	-9.93575	5.47474	7.69982	0.213887	-2.22508	-4.67537
Man2a1	NM_008549	3.24E-05	-20.6673	7.47791	9.70673	0.213333	-2.22882	-4.6875
Gucy1a2	NM_001033322	0.000926	-8.78425	3.46893	5.69827	0.213256	-2.22934	-4.6892
Spp1	NM_009263	0.004264	-5.84808	9.50799	11.7539	0.210819	-2.24592	-4.74341
Tgfb3	NM_011578	0.000454	-10.5632	8.26804	10.5212	0.209769	-2.25312	-4.76714
Dkk2	NM_020265	0.001834	-7.34038	4.40231	6.65802	0.209394	-2.25571	-4.77569
Trp53inp1	NM_021897	0.000713	-9.40106	7.96354	10.2256	0.208471	-2.26208	-4.79684
Ptgr1	NM_025968	0.000617	-9.76347	5.87923	8.14328	0.208186	-2.26405	-4.80339
Figf	NM_010216	0.002763	-6.57891	7.43444	9.69879	0.208144	-2.26435	-4.80437
Man1a	NM_008548	0.000306	-11.6895	7.07194	9.34011	0.207593	-2.26817	-4.81712
Sema3a	NM_009152	9.71E-05	-15.6625	7.06649	9.33672	0.207296	-2.27023	-4.82401
Rab3il1	NM_144538	0.0012	-8.20958	5.53041	7.80264	0.207009	-2.27224	-4.83071
Slco2a1	NM_033314	0.004121	-5.90309	5.34688	7.62275	0.206489	-2.27587	-4.84288
Unc93b1	NM_019449	0.004266	-5.84763	4.43277	6.71031	0.20625	-2.27754	-4.8485
Hspb1	NM_013560	0.00011	-15.1805	5.1782	7.45976	0.205677	-2.28155	-4.862
Pappa	NM_021362	0.001225	-8.16537	4.1901	6.4742	0.205312	-2.28411	-4.87063
Mir300	NR_029651	0.000136	-14.3734	3.00632	5.30184	0.203695	-2.29552	-4.9093
Nfia	NM_010905	0.00034	-11.3829	5.9083	8.20887	0.202982	-2.30058	-4.92654
Pla2r1	NM_008867	0.002967	-6.45399	4.40956	6.71943	0.201679	-2.30987	-4.95838
Tnfsf13b	NM_033622	0.00109	-8.41771	4.38922	6.69942	0.201632	-2.31021	-4.95954
Tll1	NM_009390	0.000238	-12.4638	3.66135	5.98336	0.199988	-2.32202	-5.0003
Gm13139	NM_001083918	5.65E-05	-17.9584	5.58871	7.9111	0.199937	-2.32238	-5.00158
Folh1	NM_016770	1.43E-05	-25.3862	4.1425	6.46552	0.199849	-2.32302	-5.00378
Glt8d2	NM_029102	3.85E-05	-19.781	4.44439	6.76853	0.199694	-2.32414	-5.00767
Prickle1	NM_001033217	1.54E-05	-24.9226	4.85614	7.18463	0.199092	-2.3285	-5.02281
Hspb1	NM_013560	0.000187	-13.2626	5.13204	7.46744	0.198141	-2.3354	-5.04691
Gm3002	NR_033388	0.002524	-6.74089	3.69907	6.03502	0.198065	-2.33596	-5.04885
Adhfe1	NM_175236	0.001312	-8.01845	4.66148	6.9982	0.19796	-2.33672	-5.05153

Cxx1c	NM_028375	0.000558	-10.0191	5.68598	8.02286	0.197938	-2.33688	-5.0521
Gstm5	NM_010360	0.002013	-7.161	6.08939	8.43257	0.197075	-2.34318	-5.0742
Cpz	NM_153107	0.003166	-6.34191	5.15271	7.49877	0.196682	-2.34606	-5.08434
Cd1d1	NM_007639	0.000805	-9.11088	5.84627	8.19412	0.196439	-2.34785	-5.09064
Kank1	NM_181404	6.88E-06	-30.5016	4.69756	7.05827	0.194696	-2.36071	-5.13622
Col6a1	NM_009933	0.000114	-15.0417	8.42222	10.7868	0.194174	-2.36458	-5.15002
Osr1	NM_011859	6.65E-05	-17.2332	4.49094	6.85615	0.194088	-2.36521	-5.15229
Papss2	NM_011864	4.53E-05	-18.9922	4.18217	6.55331	0.193293	-2.37114	-5.17349
Gm3002	NR_033388	0.001307	-8.02695	3.58182	5.95465	0.193066	-2.37284	-5.17958
Slc39a14	NM_001135151	0.001818	-7.35735	7.5839	9.95794	0.192905	-2.37404	-5.1839
Tnfaip6	NM_009398	0.001652	-7.54651	5.86595	8.24107	0.192762	-2.37511	-5.18775
2810055F11Rik	NM_026038	0.000127	-14.6152	4.29341	6.68452	0.190636	-2.39111	-5.24561
Cmtm7	NM_133978	6.16E-05	-17.5697	4.63786	7.03064	0.190414	-2.39279	-5.2517
Shc2	NM_001024539	0.000995	-8.62105	4.35033	6.74956	0.189566	-2.39923	-5.27521
Nqo1	NM_008706	2.55E-05	-21.9461	4.59376	6.99536	0.189255	-2.40159	-5.28386
Gm3002	NR_033388	0.001529	-7.70208	3.53021	5.93279	0.189125	-2.40258	-5.2875
F3	NM_010171	0.000733	-9.33565	7.94232	10.3496	0.188515	-2.40725	-5.30462
Spats2l	NM_144882	3.01E-05	-21.043	5.19184	7.60416	0.187854	-2.41232	-5.32329
Procr	NM_011171	0.004307	-5.83216	4.38998	6.80616	0.187352	-2.41618	-5.33756
Lrrn4cl	NM_001013019	0.000384	-11.0301	5.76665	8.1887	0.186591	-2.42205	-5.35931
Fam26e	NM_178908	0.002036	-7.13965	5.03553	7.469	0.185119	-2.43347	-5.40192
Abhd6	NM_025341	1.14E-05	-26.8683	5.00773	7.44568	0.184547	-2.43794	-5.41869
Negr1	NM_001039094	0.001319	-8.00788	5.26717	7.70583	0.184455	-2.43866	-5.42138
Gsdmd	NM_026960	0.000149	-14.0574	4.5357	6.9782	0.183964	-2.44251	-5.43585
Mid1	NM_010797	0.000689	-9.4869	5.88182	8.33267	0.182903	-2.45085	-5.46739
Gstm4	NM_026764	9.81E-05	-15.6192	4.87782	7.3397	0.18151	-2.46188	-5.50934
Tgfb2	NM_009367	0.001666	-7.52962	4.62623	7.1054	0.179348	-2.47917	-5.57576
Anpep	NM_008486	0.003379	-6.23093	4.33197	6.81803	0.178493	-2.48606	-5.60246
Gm3002	NR_033388	0.000518	-10.211	3.81705	6.30641	0.178086	-2.48936	-5.61527
Ror2	NM_013846	0.000405	-10.8817	5.60006	8.10088	0.176677	-2.50081	-5.66005
Bhlhb9	NM_198161	0.000217	-12.7725	3.53071	6.03171	0.176654	-2.501	-5.66078

Has1	NM_008215	0.005376	-5.48636	4.86783	7.37315	0.176126	-2.50532	-5.67775
Abca8b	NM_013851	0.001441	-7.82405	3.50019	6.01139	0.17541	-2.5112	-5.70092
Grb14	NM_016719	0.000831	-9.03693	4.67487	7.19196	0.174696	-2.51708	-5.72424
Hvcn1	NM_001042489	7.57E-05	-16.6803	4.00978	6.52917	0.174416	-2.5194	-5.73342
Col12a1	NM_007730	0.000884	-8.89052	5.91931	8.44443	0.173726	-2.52511	-5.75619
Cygb	NM_030206	8.19E-05	-16.3481	6.59011	9.14383	0.170315	-2.55372	-5.87148
	---	0.000182	-13.358	4.82036	7.37671	0.170005	-2.55635	-5.88217
Mtmr11	NM_181409	5.05E-05	-18.4777	5.68546	8.24589	0.169525	-2.56043	-5.89882
Egln3	NM_028133	9.10E-05	-15.9192	3.8392	6.40392	0.169022	-2.56472	-5.91639
Birc3	NM_007464	0.000215	-12.7891	4.81985	7.38625	0.168825	-2.5664	-5.92329
Gm3696	NM_001024712	0.000939	-8.75195	3.77718	6.34507	0.168651	-2.56789	-5.92941
Snai1	NM_011427	0.000145	-14.1551	5.70456	8.27511	0.16834	-2.57055	-5.94037
Nynrin	NM_001040072	2.86E-05	-21.3324	4.56174	7.13663	0.167834	-2.57489	-5.95827
Lyn	NM_001111096	0.002124	-7.05883	4.1698	6.74809	0.167439	-2.57829	-5.97231
Fam110c	NM_027828	0.000285	-11.903	4.26856	6.85177	0.16687	-2.5832	-5.99269
Timp1	NM_001044384	0.001329	-7.99165	8.87147	11.4591	0.166358	-2.58763	-6.01112
Tnfrsf23	NM_024290	0.001918	-7.25363	6.20218	8.79768	0.165454	-2.5955	-6.04398
Gas1	NM_008086	0.00025	-12.3105	8.37085	10.9664	0.165452	-2.59551	-6.04403
Ppap2a	NM_008247	0.001621	-7.5841	7.6787	10.2771	0.165119	-2.59842	-6.05624
S100a1	NM_011309	0.000182	-13.3582	4.6585	7.2575	0.165053	-2.599	-6.05866
Fam115c	BC011487	7.68E-06	-29.6762	3.97169	6.58431	0.163502	-2.61262	-6.11613
Eif4g3	NM_172703	1.46E-05	-25.25	4.8122	7.43002	0.162914	-2.61782	-6.13821
Tnfrsf10b	NM_020275	0.00172	-7.46582	4.26334	6.88161	0.162863	-2.61827	-6.14013
Zfp521	NM_145492	0.000155	-13.9066	6.03219	8.65782	0.162034	-2.62563	-6.17153
Tpm2	NM_009416	0.00067	-9.55456	5.07107	7.70007	0.161656	-2.629	-6.18599
B3gnt9-ps	NM_178879	0.000112	-15.0931	5.86864	8.49947	0.161451	-2.63083	-6.19381
Unc5c	NM_009472	0.000194	-13.1383	5.49048	8.1269	0.160827	-2.63642	-6.21786
Fstl1	NM_008047	2.39E-05	-22.3209	9.31649	11.9529	0.160824	-2.63644	-6.21797
Ccdc122	NM_175369	0.000111	-15.1271	2.9098	5.56414	0.158841	-2.65434	-6.29559
Cyp2d22	NM_001163472	0.000117	-14.9525	5.21712	7.87401	0.15856	-2.6569	-6.30675
Nid2	NM_008695	0.000342	-11.3656	5.34894	8.00726	0.158403	-2.65832	-6.313

Nfia	NM_001122952	0.000142	-14.2207	5.19869	7.86137	0.157926	-2.66268	-6.33208
Cgnl1	NM_026599	0.00013	-14.5424	4.95069	7.61401	0.157855	-2.66332	-6.33491
Rasl11b	NM_026878	0.000113	-15.0663	5.54426	8.20803	0.157806	-2.66377	-6.33688
Trim12a	NM_023835	7.11E-05	-16.9451	3.65238	6.32232	0.157133	-2.66994	-6.36402
S1pr1	NM_007901	0.003459	-6.19164	4.79927	7.47293	0.156728	-2.67367	-6.38049
Rarres2	NM_027852	0.003904	-5.99115	4.8759	7.5554	0.156096	-2.6795	-6.40632
Pdgfd	NM_027924	9.95E-05	-15.5639	3.53687	6.21782	0.155938	-2.68095	-6.41279
Taf9b	NM_001167988	0.000363	-11.1942	3.61359	6.30064	0.155281	-2.68704	-6.43992
Tbc1d2b	NM_194334	9.60E-05	-15.7066	6.43535	9.13287	0.154158	-2.69752	-6.48685
Ppp1r3c	NM_016854	0.000829	-9.04158	3.74588	6.446	0.153879	-2.70013	-6.4986
Fmo1	NM_010231	0.000401	-10.9104	4.92277	7.62628	0.153519	-2.70351	-6.51383
Dbc1	NM_019967	0.000324	-11.5222	4.68297	7.38809	0.153348	-2.70512	-6.52111
Boc	NM_172506	0.000899	-8.85177	4.45148	7.16108	0.152872	-2.7096	-6.54141
Nsd1	NM_008739	0.000663	-9.58225	4.82159	7.53128	0.152863	-2.70969	-6.54181
Cyp2f2	NM_007817	0.000549	-10.0615	4.92067	7.63089	0.152807	-2.71022	-6.54421
9930013L23Rik	NM_030728	0.001811	-7.36437	4.56262	7.2981	0.150154	-2.73548	-6.65982
Top1mt	NM_028404	2.20E-05	-22.7784	4.58317	7.31992	0.150022	-2.73675	-6.66567
Cbr1	NM_007620	0.00028	-11.9649	5.51377	8.27045	0.147964	-2.75668	-6.7584
Cd24a	NM_009846	0.003767	-6.04975	3.50993	6.27428	0.14718	-2.76435	-6.79442
Smpdl3a	NM_020561	0.000788	-9.16082	3.91725	6.69169	0.146154	-2.77444	-6.8421
Ano3	NM_001128103	0.004117	-5.90447	2.93264	5.7162	0.145233	-2.78356	-6.88549
Ophn1	NM_052976	6.39E-06	-31.0758	4.45402	7.2401	0.14498	-2.78607	-6.89749
Stc1	NM_009285	0.001038	-8.52692	4.65042	7.43887	0.144741	-2.78845	-6.90889
Fap	NM_007986	0.002071	-7.10658	3.25277	6.04627	0.144236	-2.7935	-6.93309
Mmp19	NM_021412	0.000276	-11.9992	7.89812	10.6946	0.143936	-2.7965	-6.94753
Slc16a3	NM_001038653	0.00103	-8.54486	5.56573	8.36782	0.143379	-2.80209	-6.97451
Isyna1	NM_023627	0.002668	-6.64155	5.87075	8.67554	0.143112	-2.80479	-6.98755
Serping1	NM_009776	0.0026	-6.68744	6.25956	9.06514	0.143033	-2.80558	-6.99139
Nynrin	NM_001040072	0.000152	-13.9872	5.21871	8.02546	0.142918	-2.80674	-6.99703
Gm3002	NR_033388	0.001424	-7.8481	3.34123	6.15189	0.14253	-2.81066	-7.01608
lah1	NM_026347	0.000374	-11.1058	5.93749	8.75032	0.142316	-2.81283	-7.02663

Xlr3b	NM_001081643	0.000297	-11.7838	3.19064	6.0119	0.141487	-2.82126	-7.0678
P4ha3	NM_177161	0.001396	-7.88868	4.42448	7.24776	0.141288	-2.82329	-7.07772
Ism1	NM_001126490	0.002306	-6.90628	5.14618	7.97186	0.141055	-2.82567	-7.08944
Runx1t1	NM_001111027	0.00066	-9.59247	4.16315	6.99114	0.140829	-2.82799	-7.10083
Ctsf	NM_019861	0.000697	-9.45774	4.86226	7.69649	0.140221	-2.83423	-7.13161
Ppap2b	NM_080555	6.61E-05	-17.261	8.73608	11.5746	0.1398	-2.83856	-7.15306
Eda2r	NM_001161432	0.000675	-9.53768	5.8377	8.68432	0.139021	-2.84662	-7.19314
Adam23	NM_011780	2.62E-05	-21.7944	3.9796	6.84199	0.137511	-2.86239	-7.27217
Crabp1	NM_013496	7.29E-06	-30.0651	5.29941	8.16415	0.137287	-2.86474	-7.28403
Tceal1	NM_146236	0.000141	-14.2559	3.05411	5.91998	0.137179	-2.86587	-7.28976
Ace	NM_207624	0.000501	-10.299	4.64612	7.52181	0.136248	-2.87569	-7.33955
Plekhh2	NM_177606	0.000122	-14.7817	4.26789	7.1501	0.135634	-2.88221	-7.37278
Dhrs3	NM_011303	0.000283	-11.9321	5.40979	8.29405	0.135441	-2.88427	-7.38331
Cbr3	NM_173047	8.56E-05	-16.1674	4.17255	7.06002	0.13514	-2.88747	-7.39971
Plekha2	NM_031257	5.47E-06	-32.3172	5.45477	8.3436	0.135013	-2.88883	-7.4067
Kcnab1	NM_010597	0.001327	-7.99515	4.8975	7.7869	0.13496	-2.8894	-7.40961
Egfl6	NM_019397	0.002972	-6.45119	3.8099	6.70136	0.134768	-2.89145	-7.42018
Fgf10	NM_008002	0.000323	-11.5356	4.24637	7.14098	0.134473	-2.89461	-7.43645
Col6a3	AF064749	0.000399	-10.926	7.99092	10.8876	0.13428	-2.89669	-7.44715
	---	0.000219	-12.7351	3.01397	5.9132	0.134043	-2.89923	-7.46028
Gm3002	NR_033388	0.001831	-7.34354	4.41762	7.32156	0.133606	-2.90394	-7.48468
Trim25	NM_009546	8.62E-07	-51.3246	3.8125	6.71668	0.133584	-2.90418	-7.48592
Abca9	NM_147220	0.000364	-11.1805	4.14659	7.05546	0.133151	-2.90887	-7.5103
Htatif2	NM_001146049	5.09E-05	-18.4359	5.08108	8.00277	0.131972	-2.92169	-7.57734
Hoxd8	NM_008276	8.81E-05	-16.0496	3.75971	6.68383	0.13175	-2.92413	-7.59015
Dab2	NM_023118	0.000186	-13.2679	7.21491	10.1436	0.131337	-2.92865	-7.61398
	---	0.000135	-14.4179	3.40088	6.32982	0.131311	-2.92895	-7.61553
Aox3	NM_023617	0.003635	-6.10887	5.34344	8.28388	0.130268	-2.94044	-7.67647
Ndrp2	NM_013864	0.000343	-11.3588	4.93784	7.88684	0.129498	-2.94899	-7.7221
Dact1	NM_001190466	8.97E-05	-15.977	3.85114	6.80234	0.1293	-2.95121	-7.73395
Enpep	NM_007934	0.000744	-9.2994	4.30961	7.29141	0.126587	-2.9818	-7.8997

Echdc2	NM_026728	0.000272	-12.0537	4.86641	7.8494	0.126482	-2.983	-7.90626
Chic1	NM_009767	9.18E-06	-28.3764	3.61306	6.60224	0.125941	-2.98918	-7.9402
Mark1	NM_145515	1.04E-05	-27.471	4.45567	7.46224	0.124432	-3.00658	-8.03655
Adamts1	NM_009621	0.001618	-7.58793	8.00885	11.0219	0.12387	-3.0131	-8.07295
Lphn2	NM_001081298	0.000409	-10.8504	4.63592	7.65278	0.123547	-3.01686	-8.09406
Manba	NM_027288	7.26E-05	-16.8576	5.31428	8.3341	0.123294	-3.01982	-8.11067
Mir382	NR_029883	0.000168	-13.6288	2.9204	5.96235	0.121418	-3.04195	-8.23601
Fam49a	NM_029758	0.000484	-10.3939	3.62044	6.66782	0.120961	-3.04738	-8.26711
Pde1a	NM_016744	4.91E-05	-18.6121	4.71852	7.76717	0.120855	-3.04865	-8.27437
B3galnt1	NM_020026	0.000581	-9.91253	4.00898	7.05871	0.120764	-3.04974	-8.28061
Hoxc4	NM_013553	0.000394	-10.9573	4.64059	7.69502	0.120372	-3.05442	-8.30756
Lphn2	NM_001081298	0.0001	-15.5327	3.83563	6.89578	0.119896	-3.06015	-8.34059
St3gal1	NM_009177	4.91E-05	-18.607	6.82574	9.89119	0.119456	-3.06545	-8.37128
Nynrin	NM_001040072	0.0002	-13.0338	4.56671	7.63277	0.119405	-3.06606	-8.37486
Vcam1	NM_011693	9.10E-05	-15.9217	8.32775	11.4057	0.118427	-3.07793	-8.44405
Ccnb1ip1	NM_001111119	5.21E-05	-18.3291	4.20406	7.29655	0.117238	-3.09249	-8.52967
C530030P08Rik	ENSMUST0000010138 1	0.000133	-14.4479	5.07095	8.16585	0.117042	-3.09491	-8.54397
Ptgis	NM_008968	5.14E-05	-18.3932	5.68496	8.78468	0.116652	-3.09972	-8.57252
Mafb	NM_010658	0.000601	-9.82608	4.77785	7.89945	0.114895	-3.12161	-8.70357
Rpl39l	NM_026594	0.000436	-10.6744	3.55127	6.6744	0.114774	-3.12313	-8.71276
Il11ra2	NM_010550	3.55E-05	-20.1882	5.63509	8.75836	0.114763	-3.12327	-8.71359
Il11ra2	NM_010550	3.55E-05	-20.1882	5.63509	8.75836	0.114763	-3.12327	-8.71359
Il1rap	NM_008364	5.45E-05	-18.1237	5.73117	8.86574	0.113867	-3.13457	-8.78214
Calcr1	NM_018782	0.00111	-8.37813	5.41386	8.56922	0.112239	-3.15536	-8.90958
Arsj	NM_173451	6.15E-05	-17.5756	4.66899	7.82507	0.112182	-3.15608	-8.91405
	---	3.90E-05	-19.7173	5.08086	8.24158	0.111822	-3.16072	-8.94278
Sema5a	NM_009154	7.50E-05	-16.7211	5.05845	8.22527	0.111351	-3.16682	-8.98064
Myl9	NM_172118	0.006339	-5.24018	5.22348	8.41208	0.109682	-3.1886	-9.11724
Fuca2	NM_025799	0.000432	-10.704	4.37916	7.5725	0.109323	-3.19333	-9.14722
Nfatc4	NM_023699	0.000231	-12.5695	4.86552	8.06029	0.109214	-3.19477	-9.15635

Rbpms	NM_019733	6.17E-05	-17.5643	4.19255	7.39072	0.108957	-3.19817	-9.17795
Rora	NM_013646	0.000111	-15.1329	4.07657	7.27702	0.108785	-3.20045	-9.19248
Vav3	NM_020505	0.001427	-7.84334	4.0051	7.23554	0.106547	-3.23044	-9.38555
Irak3	NM_028679	9.38E-05	-15.7996	3.94657	7.18001	0.106326	-3.23343	-9.40503
Fam198b	NM_133187	0.001976	-7.19641	5.56048	8.80134	0.10578	-3.24086	-9.4536
Kdm5d	NM_011419	2.24E-05	-22.6858	4.09336	7.33456	0.105755	-3.2412	-9.45583
Tbx5	NM_011537	2.82E-05	-21.3935	3.91107	7.15813	0.105326	-3.24706	-9.49432
Gsta4	NM_010357	0.000526	-10.1701	4.26313	7.51488	0.104985	-3.25175	-9.5252
Mir410	NR_029914	0.000102	-15.4731	3.31626	6.58404	0.103824	-3.26778	-9.63164
Finc	NM_001081185	1.20E-05	-26.5267	5.48065	8.76929	0.102334	-3.28864	-9.77189
Adm	NM_009627	0.000645	-9.65016	4.26596	7.55635	0.102211	-3.29038	-9.78372
Adam12	NM_007400	0.000242	-12.4179	4.79855	8.08912	0.102197	-3.29057	-9.78498
Eya4	NM_010167	5.71E-06	-31.969	4.67825	7.99552	0.100323	-3.31728	-9.9678
Epha7	NM_010141	0.000213	-12.8283	3.90819	7.23042	0.099979	-3.32223	-10.0021
C530030P08Rik	ENSMUST0000010138 1	9.13E-05	-15.9077	5.07886	8.40154	0.099948	-3.32268	-10.0052
Ldb2	NM_001077398	4.64E-05	-18.8753	4.0152	7.34149	0.099698	-3.32629	-10.0303
Col6a2	NM_146007	0.00021	-12.8704	6.52818	9.8565	0.099558	-3.32832	-10.0444
Prl2c3	NM_011118	0.000796	-9.13614	3.73685	7.06966	0.099249	-3.33281	-10.0757
Ggt5	NM_011820	0.000111	-15.1222	5.22224	8.55538	0.099226	-3.33314	-10.078
Olr1	NM_138648	0.002411	-6.82417	3.94351	7.27882	0.099077	-3.33531	-10.0932
Clec2d	NM_053109	0.000407	-10.8664	3.80356	7.14127	0.098912	-3.33772	-10.11
Fads2	NM_019699	4.71E-05	-18.8044	5.14382	8.49734	0.097834	-3.35352	-10.2214
Bdkrb1	NM_007539	0.003125	-6.36408	4.98921	8.35693	0.096876	-3.36772	-10.3225
Fbln5	NM_011812	4.73E-05	-18.7846	5.3494	8.72164	0.096573	-3.37224	-10.3549
Plxdc1	NM_001163608	0.000641	-9.66579	4.65887	8.04148	0.095881	-3.38261	-10.4296
Lamb1	NM_008482	1.52E-05	-24.9926	7.34693	10.7357	0.095474	-3.38874	-10.474
Tspan11	NM_026743	0.000822	-9.06064	5.1688	8.56014	0.095302	-3.39134	-10.4929
Adh1	NM_007409	9.95E-05	-15.5633	7.15265	10.5482	0.095028	-3.3955	-10.5232
Postn	NM_015784	0.000219	-12.729	8.90871	12.3049	0.094982	-3.3962	-10.5283
Jam2	NM_023844	0.000459	-10.534	4.393	7.79125	0.094847	-3.39825	-10.5433

Serpinf1	NM_011340	4.86E-06	-33.2803	8.15589	11.5605	0.09443	-3.40461	-10.5899
Akap12	NM_031185	0.001198	-8.21335	5.23965	8.64468	0.094403	-3.40503	-10.5929
Bmper	NM_028472	0.000592	-9.86507	6.61391	10.0347	0.093377	-3.42079	-10.7093
Hsd11b1	NM_008288	0.006801	-5.13787	4.68929	8.11394	0.093128	-3.42465	-10.7379
Plau	NM_008873	0.000463	-10.5151	4.00928	7.44137	0.092648	-3.43209	-10.7935
Thbd	NM_009378	1.98E-05	-23.3809	4.85908	8.29462	0.092427	-3.43554	-10.8194
Gata6	NM_010258	0.000291	-11.8415	4.83614	8.27269	0.092362	-3.43656	-10.827
Il11ra1	NM_001172054	8.59E-06	-28.8496	5.54407	8.98854	0.091857	-3.44447	-10.8865
Islr	NM_012043	0.000321	-11.5452	6.46524	9.92435	0.090929	-3.45911	-10.9976
Mfap2	NM_008546	1.09E-05	-27.1942	5.97232	9.43389	0.090775	-3.46156	-11.0163
Csgalnact1	NM_172753	1.53E-05	-24.9719	5.95178	9.41338	0.090773	-3.4616	-11.0165
Setbp1	NM_053099	0.00013	-14.5439	4.70203	8.16581	0.090636	-3.46378	-11.0332
Prl2c5	NM_181852	0.000143	-14.1917	3.75189	7.21601	0.090614	-3.46412	-11.0358
Svep1	NM_022814	0.000109	-15.2007	4.65215	8.1318	0.089644	-3.47965	-11.1552
Tmem100	NM_026433	0.00085	-8.98399	4.01885	7.50682	0.089129	-3.48797	-11.2197
Galnt14	NM_173739	1.43E-05	-25.3835	4.44169	7.94162	0.088393	-3.49992	-11.3131
Hs6st2	NM_001077202	0.000297	-11.7808	4.35546	7.87504	0.087197	-3.51958	-11.4683
Htr2a	NM_172812	0.000384	-11.0317	4.37133	7.92319	0.085267	-3.55186	-11.7278
Itga11	NM_176922	1.84E-05	-23.8363	4.6194	8.20938	0.083044	-3.58997	-12.0418
Mrc2	NM_008626	8.40E-05	-16.2456	5.3918	8.98788	0.082694	-3.59608	-12.0928
Gstk1	NM_029555	4.13E-05	-19.4383	3.70174	7.29901	0.082625	-3.59727	-12.1028
Abca8a	NM_153145	0.003199	-6.32387	3.75796	7.35573	0.082597	-3.59777	-12.107
H2-D1	NM_010380	5.41E-05	-18.1538	5.69361	9.3079	0.081656	-3.61429	-12.2465
Prrx2	NM_009116	3.79E-05	-19.8678	5.49448	9.11401	0.08136	-3.61953	-12.291
	---	9.16E-05	-15.8948	4.03275	7.65739	0.081073	-3.62464	-12.3346
	---	0.000198	-13.0696	4.48982	8.11695	0.080933	-3.62714	-12.356
Spon2	NM_133903	0.000626	-9.7236	6.98726	10.6226	0.080473	-3.63535	-12.4265
Emilin2	NM_145158	2.07E-05	-23.1323	4.68668	8.33549	0.079726	-3.64881	-12.543
Rerg	NM_181988	0.000735	-9.32733	4.44315	8.0974	0.079426	-3.65425	-12.5904
Olfml3	NM_133859	7.69E-07	-52.8261	7.42628	11.0885	0.078989	-3.6622	-12.6599
Ppap2c	NM_015817	0.000186	-13.276	4.96723	8.63891	0.078472	-3.67168	-12.7434

Lgals3	NM_001145953	1.09E-06	-48.4171	5.58926	9.2705	0.077954	-3.68124	-12.8281
Cd248	NM_054042	5.13E-05	-18.3998	5.41462	9.10427	0.077501	-3.68965	-12.9031
Cd97	NM_011925	0.001098	-8.40174	4.47661	8.17215	0.077185	-3.69554	-12.9559
6330406115Rik	BC116246	0.001007	-8.59414	4.16239	7.86685	0.076709	-3.70447	-13.0363
Igfbp6	NM_008344	9.45E-05	-15.7668	7.24247	10.9504	0.076523	-3.70797	-13.068
Itga8	NM_001001309	0.000602	-9.82408	3.87373	7.60399	0.07535	-3.73025	-13.2715
Slc7a2	NM_007514	0.0012	-8.20834	4.3829	8.13314	0.074313	-3.75024	-13.4566
Plxdc2	NM_026162	9.48E-05	-15.7538	4.25926	8.01896	0.073827	-3.7597	-13.5451
Dnm1	NM_010065	1.76E-06	-42.9012	5.41765	9.18863	0.073252	-3.77098	-13.6514
D930014E17Rik	NM_020616	8.95E-06	-28.5551	3.53036	7.30502	0.073066	-3.77465	-13.6862
Hoxc6	NM_010465	0.000151	-13.9913	4.59634	8.37562	0.072833	-3.77927	-13.7301
Prkg1	NM_001013833	1.60E-05	-24.6914	4.06023	7.84316	0.072648	-3.78294	-13.765
Fst	NM_008046	2.03E-07	-73.6828	4.88003	8.68007	0.071792	-3.80004	-13.9292
Ociad2	NM_026950	0.000648	-9.64014	3.7579	7.58841	0.070292	-3.83051	-14.2265
Sgcd	NM_011891	4.70E-05	-18.818	3.46166	7.29992	0.069915	-3.83826	-14.3031
Npy1r	NM_010934	6.36E-05	-17.4288	3.13438	6.97731	0.069689	-3.84293	-14.3495
Sned1	NM_172463	1.06E-05	-27.3686	5.22485	9.08619	0.068805	-3.86134	-14.5338
Lifr	NM_013584	5.50E-05	-18.0801	3.69933	7.56478	0.06861	-3.86545	-14.5752
Podn	NM_172874	0.000115	-15.0129	4.89906	8.76576	0.06855	-3.8667	-14.5879
Cd82	NM_007656	4.51E-06	-33.9114	5.9142	9.80476	0.067426	-3.89055	-14.8311
1110036O03Rik	NM_176830	7.59E-06	-29.7604	4.77492	8.66778	0.067318	-3.89285	-14.8548
Ripk3	NM_019955	3.00E-05	-21.0739	5.02725	8.92048	0.067301	-3.89323	-14.8586
Ltbp2	NM_013589	0.000248	-12.336	5.02895	8.93702	0.066612	-3.90807	-15.0123
Steap4	NM_054098	0.000993	-8.62597	4.54338	8.45273	0.066553	-3.90935	-15.0256
Serpine2	NM_009255	0.000306	-11.6908	4.51178	8.42716	0.066276	-3.91538	-15.0885
Tnc	NM_011607	0.00037	-11.1326	6.46753	10.4051	0.065263	-3.9376	-15.3227
Lphn2	NM_001081298	3.91E-05	-19.7048	4.68671	8.62967	0.065021	-3.94296	-15.3798
Fam129a	NM_022018	0.000476	-10.4384	4.56364	8.51732	0.064539	-3.95368	-15.4944
C4b	NM_009780	0.000284	-11.9125	4.47421	8.43203	0.064354	-3.95782	-15.539
Sfrp4	NM_016687	0.001201	-8.20813	3.78667	7.75162	0.064037	-3.96495	-15.616
Raet1d	NM_020030	0.002151	-7.03554	4.1048	8.11486	0.062066	-4.01006	-16.1119

Lphn2	NM_001081298	0.000227	-12.6263	3.34928	7.37188	0.061529	-4.0226	-16.2526
Stox2	NM_001114311	9.17E-06	-28.3856	2.94683	6.97402	0.061333	-4.02719	-16.3044
Apod	NM_007470	0.000601	-9.82729	4.8985	8.92855	0.061212	-4.03005	-16.3367
Hoxc8	NM_010466	0.000156	-13.8747	5.26295	9.3013	0.060861	-4.03835	-16.431
Rab34	NM_033475	3.75E-05	-19.9167	5.00902	9.05058	0.060725	-4.04157	-16.4677
Adamts9	NM_175314	0.002839	-6.53096	3.33354	7.37541	0.060712	-4.04187	-16.4711
Nid1	NM_010917	1.50E-05	-25.0669	7.50876	11.5526	0.060627	-4.04389	-16.4943
Tfpi	NM_011576	0.000165	-13.6945	4.84059	8.89431	0.060216	-4.05372	-16.607
Ar	NM_013476	0.000108	-15.2438	3.32113	7.38851	0.059648	-4.06738	-16.765
Lpl	NM_008509	7.58E-05	-16.6725	4.10474	8.17405	0.059568	-4.06931	-16.7875
Decr1	NM_026172	5.69E-06	-31.9895	3.89356	7.98423	0.058693	-4.09067	-17.0379
Ptgfr	NM_008966	0.000112	-15.1199	4.31507	8.419	0.058156	-4.10393	-17.1952
Gtpbp10	NM_153116	1.24E-05	-26.312	3.54379	7.65141	0.058007	-4.10762	-17.2392
Srpx2	NM_026838	0.000872	-8.92401	4.36032	8.47696	0.057646	-4.11664	-17.3473
Gtpbp10	NM_153116	2.84E-06	-38.0806	3.56619	7.70576	0.056737	-4.13957	-17.6253
Sulf2	NM_028072	6.12E-05	-17.6028	4.44992	8.59243	0.056621	-4.14251	-17.6612
Cyba	NM_007806	4.16E-05	-19.4031	5.11797	9.26591	0.056409	-4.14794	-17.7278
Ass1	NM_007494	0.000146	-14.1137	5.63652	9.80007	0.055801	-4.16355	-17.9207
Ass1	NM_007494	0.00014	-14.2714	5.52356	9.69074	0.055661	-4.16718	-17.9658
Adamts15	NM_001024139	4.20E-05	-19.3554	4.53409	8.70854	0.055382	-4.17444	-18.0565
D14Abb1e	NM_001114879	1.13E-06	-47.933	3.47297	7.64884	0.055327	-4.17587	-18.0744
Cyp1b1	NM_009994	0.00016	-13.7939	4.18022	8.35636	0.055317	-4.17614	-18.0777
Il1r1	NM_008362	1.98E-05	-23.3846	6.00101	10.1967	0.054572	-4.19569	-18.3243
Atp8b1	NM_001001488	5.68E-05	-17.9342	3.8773	8.07882	0.054352	-4.20152	-18.3985
Cpxm1	NM_019696	0.001338	-7.97699	4.72541	8.93058	0.054215	-4.20517	-18.4451
Igsf10	NM_001162884	2.33E-05	-22.4517	4.44123	8.65199	0.054005	-4.21077	-18.5169
Nt5e	NM_011851	3.90E-06	-35.1718	4.51859	8.78396	0.051999	-4.26537	-19.2311
Ptges	NM_022415	6.46E-05	-17.3599	4.90475	9.17019	0.051997	-4.26544	-19.2321
Uty	NM_009484	1.31E-05	-25.9614	3.11231	7.39429	0.051404	-4.28198	-19.4538
Fgl2	NM_008013	5.27E-07	-58.0717	3.71035	8.02036	0.050415	-4.31	-19.8353
Slc43a3	NM_021398	0.000126	-14.6608	4.70352	9.0225	0.050102	-4.31898	-19.9592

Dram1	NM_027878	3.12E-06	-37.1798	5.87372	10.2036	0.049724	-4.32991	-20.111
Lrrc32	NM_001113379	5.63E-05	-17.9732	4.60298	8.93589	0.049621	-4.33291	-20.1528
Pdgfrl	NM_026840	6.62E-05	-17.2537	4.33199	8.68803	0.048832	-4.35604	-20.4786
Il1rl1	NM_001025602	0.004476	-5.77071	4.41429	8.78193	0.048441	-4.36764	-20.6439
Grem2	NM_011825	3.47E-05	-20.3136	5.0736	9.45181	0.048087	-4.37821	-20.7956
Gfpt2	NM_013529	0.00039	-10.9853	4.44715	8.82908	0.047963	-4.38192	-20.8492
Car13	NM_024495	2.04E-06	-41.3965	3.65712	8.05364	0.047481	-4.39651	-21.0612
Myh10	NM_175260	8.80E-05	-16.0536	4.66394	9.0641	0.047361	-4.40016	-21.1145
Inhba	NM_008380	0.000722	-9.37109	4.38051	8.85112	0.045104	-4.47062	-22.1712
Abca1	NM_013454	0.000736	-9.32447	4.60373	9.0776	0.045002	-4.47387	-22.2213
Hsd17b11	NM_053262	4.04E-06	-34.8571	4.06677	8.54479	0.044873	-4.47802	-22.2853
Aldh1l2	NM_153543	0.00013	-14.5384	4.23569	8.72199	0.044616	-4.4863	-22.4135
Cck	NM_031161	3.37E-06	-36.4866	4.21468	8.71586	0.044158	-4.50118	-22.6459
Rbp1	NM_011254	5.96E-05	-17.7214	5.22203	9.72572	0.044082	-4.50368	-22.6852
Igsf10	NM_001162884	2.25E-05	-22.662	4.30562	8.81496	0.043909	-4.50933	-22.7743
Agt	NM_007428	2.42E-05	-22.2372	5.42012	9.93017	0.043888	-4.51005	-22.7855
Lrrc17	NM_028977	1.55E-05	-24.8746	5.03103	9.56532	0.043156	-4.53429	-23.1717
Gpnmb	NM_053110	0.000179	-13.4041	5.10381	9.67144	0.04217	-4.56764	-23.7135
Enpp1	NM_008813	0.001394	-7.89209	4.39612	8.97459	0.041855	-4.57847	-23.8923
Ccl8	NM_021443	3.31E-05	-20.5545	3.55152	8.14096	0.041538	-4.58944	-24.0745
9030625A04Rik	BC116748	1.94E-07	-74.5283	3.88568	8.48238	0.041329	-4.5967	-24.1961
Rgs2	NM_009061	1.07E-05	-27.2757	3.18053	7.78879	0.040999	-4.60826	-24.3907
Meg3	NR_003633	1.09E-05	-27.1988	5.18385	9.79735	0.040851	-4.6135	-24.4795
Cd302	NM_025422	9.07E-06	-28.4572	3.5375	8.16455	0.040469	-4.62704	-24.7103
S1pr3	NM_010101	0.000398	-10.9281	4.45599	9.08802	0.040329	-4.63203	-24.7959
Pamr1	NM_173749	0.000268	-12.1001	4.28598	8.94141	0.039681	-4.65543	-25.2013
Dkk3	NM_015814	4.66E-05	-18.8591	5.07348	9.73273	0.039575	-4.65925	-25.2682
Cxcl5	NM_009141	0.006767	-5.14509	4.00192	8.68177	0.039014	-4.67986	-25.6317
Gda	NM_010266	0.000245	-12.3772	4.06029	8.75915	0.038504	-4.69886	-25.9715
Ctsk	NM_007802	2.62E-05	-21.8034	5.2917	9.99082	0.038497	-4.69912	-25.9762
Cd55	NM_010016	0.000267	-12.1099	2.63969	7.34942	0.038215	-4.70973	-26.1679

	ENSMUST0000014379								
Bicc1	1	6.84E-06	-30.5447	4.25993	8.97654	0.038033	-4.71661	-26.293	
Loxl2	NM_033325	4.76E-05	-18.7556	4.58182	9.31062	0.037713	-4.72881	-26.5163	
Il1rl2	NM_133193	6.62E-06	-30.7995	3.4686	8.22975	0.036877	-4.76115	-27.1174	
Loxl1	NM_010729	4.85E-07	-59.2804	4.92852	9.71064	0.036345	-4.78212	-27.5144	
Enpp3	NM_134005	0.000135	-14.4072	3.70629	8.52374	0.035465	-4.81745	-28.1967	
Ndn	NM_010882	6.41E-06	-31.0544	3.98694	8.80678	0.035407	-4.81984	-28.2433	
Dapk1	NM_029653	1.55E-05	-24.8682	4.46562	9.30808	0.034856	-4.84246	-28.6898	
Cd34	NM_001111059	0.000156	-13.8783	3.85083	8.7207	0.0342	-4.86986	-29.2398	
Plac8	NM_139198	2.00E-05	-23.3215	3.97457	8.85866	0.033864	-4.88409	-29.5296	
Fbln1	NM_010180	0.000355	-11.2539	5.17859	10.1236	0.032464	-4.94503	-30.8037	
Rnase4	NM_021472	6.22E-06	-31.2904	4.84009	9.79385	0.032268	-4.95376	-30.9906	
Lphn2	NM_001081298	6.31E-06	-31.1685	4.21704	9.17218	0.032237	-4.95514	-31.0202	
Mgp	NM_008597	0.000189	-13.2238	6.20066	11.1595	0.032154	-4.95886	-31.1005	
Gria3	NM_016886	2.59E-05	-21.8586	3.43232	8.3914	0.032149	-4.95908	-31.105	
	ENSMUST0000009767								
Gm10554	4	8.25E-06	-29.1484	2.96903	7.95751	0.031501	-4.98848	-31.7454	
Fkbp10	NM_010221	5.83E-07	-56.6012	4.87181	9.86559	0.031385	-4.99378	-31.8623	
Gpm6b	NM_001177956	5.73E-05	-17.8978	4.55267	9.56556	0.030972	-5.01289	-32.2872	
Igsf10	NM_001162884	3.05E-05	-20.9754	3.80947	8.82638	0.030886	-5.01692	-32.3774	
Grb10	NM_010345	0.000138	-14.3307	4.34158	9.36213	0.030808	-5.02055	-32.459	
Slit3	NM_011412	2.91E-06	-37.8576	4.89236	9.92624	0.030525	-5.03388	-32.7604	
Bicc1	NM_031397	1.21E-05	-26.4958	4.40165	9.50734	0.029043	-5.10569	-34.4323	
Ednra	NM_010332	0.000142	-14.2275	4.5362	9.6452	0.028976	-5.109	-34.5113	
Efemp1	NM_146015	0.000179	-13.4112	5.018	10.2194	0.027179	-5.20136	-36.7931	
Bgn	NM_007542	5.38E-07	-57.751	7.16352	12.374	0.027008	-5.21047	-37.0261	
Rgs4	NM_009062	4.52E-05	-18.9957	4.03814	9.26327	0.026735	-5.22513	-37.4042	
Lphn2	NM_001081298	2.11E-06	-41.0469	3.99005	9.22236	0.026602	-5.23231	-37.5909	
AF357355	NR_028433	4.27E-06	-34.3806	3.84803	9.086	0.026498	-5.23797	-37.7387	
Matn2	NM_016762	9.85E-06	-27.8769	4.92097	10.1698	0.0263	-5.24879	-38.0228	
Cxcl12	NM_001012477	0.000102	-15.4785	4.52963	9.7975	0.025954	-5.26788	-38.5291	
Il33	NM_001164724	0.00086	-8.95438	4.16128	9.43478	0.025853	-5.2735	-38.6797	

Pla2g4a	NM_008869	1.16E-06	-47.625	4.07512	9.38048	0.025289	-5.30535	-39.5431
Apoe	NM_009696	2.75E-06	-38.4033	6.8293	12.1701	0.024676	-5.34077	-40.5259
Eif2s3y	NM_012011	1.72E-06	-43.1785	3.13961	8.5366	0.023733	-5.39699	-42.1361
Tgfb1	NM_009369	1.61E-05	-24.6421	5.09706	10.5262	0.023209	-5.42915	-43.0862
Mmp3	NM_010809	0.000394	-10.9569	5.04891	10.5016	0.022833	-5.45273	-43.796
Fbn1	NM_007993	3.39E-06	-36.4186	4.62519	10.0801	0.022798	-5.45495	-43.8637
Adamts5	NM_011782	2.97E-05	-21.1306	3.69062	9.22945	0.02151	-5.53884	-46.4897
Mmp2	NM_008610	1.77E-06	-42.896	6.89646	12.4673	0.021038	-5.57085	-47.5326
Kcne4	NM_021342	2.66E-05	-21.725	4.32018	9.90044	0.020901	-5.58027	-47.844
Thy1	NM_009382	9.12E-06	-28.4228	5.35114	10.9552	0.02056	-5.60402	-48.6383
Fibin	NM_026271	1.79E-05	-23.9817	4.28771	9.89573	0.020503	-5.60802	-48.7733
Scp2	NM_011327	3.21E-05	-20.7106	3.92651	9.54717	0.020324	-5.62066	-49.2025
Cyp7b1	NM_007825	1.91E-05	-23.5922	3.80515	9.43186	0.020239	-5.62671	-49.4094
Cdh11	NM_009866	2.09E-06	-41.1017	4.39748	10.0305	0.02015	-5.63305	-49.6268
Sulf1	NM_001198565	5.75E-05	-17.8793	4.12815	9.80835	0.019503	-5.6802	-51.2756
Nrn1	NM_153529	2.03E-06	-41.4027	4.04859	9.77714	0.01886	-5.72855	-53.0231
Ccdc80	NM_026439	1.25E-05	-26.2581	5.0406	10.8025	0.018429	-5.76191	-54.2636
Gas6	NM_019521	1.62E-06	-43.8047	5.29211	11.0602	0.01835	-5.76805	-54.4951
Cav1	NM_007616	1.42E-07	-80.5333	3.79276	9.57102	0.018221	-5.77826	-54.8821
Igf1	NM_010512	1.00E-05	-27.7489	4.27461	10.1116	0.017494	-5.83701	-57.1629
Has2	NM_008216	3.91E-05	-19.7021	4.0408	9.92159	0.016971	-5.88079	-58.9244
Il13ra1	NM_133990	8.35E-05	-16.2697	3.43319	9.36041	0.016434	-5.92722	-60.8513
Tmem45a	NM_019631	1.54E-05	-24.9143	3.63748	9.57398	0.016328	-5.9365	-61.2444
Prrx1	NM_175686	3.39E-06	-36.423	4.44543	10.501	0.015034	-6.05561	-66.5152
Lama4	NM_010681	1.01E-06	-49.2923	4.17311	10.2368	0.01495	-6.0637	-66.8891
Ddx3y	NM_012008	2.00E-07	-73.9511	3.74352	9.80847	0.014937	-6.06495	-66.9473
9030425E11Rik	NM_133733	4.49E-07	-60.4461	3.9171	9.98987	0.014856	-6.07277	-67.3111
Pdpn	NM_010329	0.000114	-15.0399	4.81231	10.9744	0.013965	-6.16205	-71.6083
Pi15	NM_053191	6.47E-05	-17.3542	3.53525	9.79539	0.013047	-6.26014	-76.6458
A430107O13Rik	BC151018	8.79E-07	-51.0831	4.1562	10.4306	0.012919	-6.27442	-77.4083
Lox	NM_010728	1.86E-07	-75.3571	3.77906	10.1441	0.012132	-6.36501	-82.425

Fgf7	NM_008008	2.46E-05	-22.1473	4.9176	11.3487	0.011589	-6.43115	-86.2915
Hgf	NM_010427	2.73E-05	-21.5717	3.73417	10.1825	0.011451	-6.44835	-87.3267
Abi3bp	NM_001014423	1.96E-06	-41.8048	3.76887	10.2219	0.011414	-6.45307	-87.6128
Gem	NM_010276	3.81E-07	-62.9843	4.55526	11.0189	0.011331	-6.4636	-88.2545
Pros1	NM_011173	4.62E-05	-18.8988	3.53465	10.0614	0.010846	-6.52675	-92.2033
Colec12	NM_130449	1.21E-05	-26.4977	4.45377	11.0495	0.010339	-6.5957	-96.7173
Pde7b	NM_013875	4.65E-06	-33.6501	4.01712	10.6545	0.010045	-6.63735	-99.5497
Vcan	NM_001081249	8.68E-08	-91.1507	4.42159	11.0864	0.009856	-6.66481	-101.463
Aspn	NM_025711	3.34E-05	-20.4991	3.4791	10.1871	0.009565	-6.70801	-104.547
Grem1	NM_011824	1.62E-07	-78.02	4.78704	11.5117	0.009455	-6.72464	-105.759
Pdgfra	NM_011058	3.03E-06	-37.4651	4.42145	11.2009	0.009103	-6.77946	-109.855
Osmr	NM_011019	4.15E-06	-34.6346	3.65241	10.5014	0.008675	-6.84895	-115.276
Lum	NM_008524	2.62E-06	-38.8457	3.18866	10.2186	0.007652	-7.02995	-130.685
Emb	NM_010330	7.13E-05	-16.931	3.72146	10.8922	0.00694	-7.17076	-144.083
Sfrp1	NM_013834	2.45E-06	-39.5166	4.03213	11.557	0.00543	-7.52487	-184.167
Saa3	NM_011315	6.35E-06	-31.1196	4.4165	12.0401	0.005071	-7.62362	-197.215
Dpt	NM_019759	2.32E-06	-40.0563	3.9402	12.1019	0.003492	-8.16171	-286.364
Ptn	NM_008973	1.90E-06	-42.1307	3.78246	11.9542	0.003468	-8.17179	-288.373
Serpina3n	NM_009252	1.15E-07	-85.0159	4.05706	12.5826	0.002714	-8.5255	-368.495
Dcn	NM_007833	3.48E-09	-203.779	4.31823	13.0228	0.002397	-8.70462	-417.207