

**Extended Data Table 1.** Summary of TRAP Data

<b>Gene</b>	<b>IP</b>	<b>Input</b>	<b>IP/Input</b>
Hist1h4m	30.9465	1.1705	26.43870141
Rpl10a	114679.29	4403.7775	26.04111765
Tmem121	15.01	1.0755	13.9562994
Hist1h2bb	48.3165	3.9265	12.30523367
1700021C14Rik	14.8625	1.266	11.73973144
Hist2h4	79.9145	6.9545	11.49104896
3110009E18Rik	13.2115	1.1545	11.44348203
Tmod3	74.5665	7.754	9.616520506
Tarbp2	14.8365	1.606	9.238169365
Gm13072	426.7765	47.819	8.924831134
Hist1h2bj	19.082	2.295	8.31459695
Thg1l	20.995	2.842	7.387403237
Gm13981	9.4585	1.328	7.122364458
Fam131c	32.4305	4.8395	6.701208803
Hist3h2ba	112.701	17.0155	6.623431577
Atp5l	1601.9725	243.986	6.565837794
2310039H08Rik	19.4495	2.9715	6.545347468
Cox6b2	29.0345	4.5345	6.403021281
LOC100046034	7.8605	1.23	6.390650407
Hist2h2ac	26.474	4.6935	5.640566741
Hist1h1b	10.8375	1.981	5.470721858
Sec61g	145.782	27.032	5.392941699
Ripply2	14.431	2.6995	5.345804779
Hist1h2bm	17.6915	3.331	5.311167817
Kazald1	7.23	1.3615	5.310319501
Gm1673	196.871	37.7115	5.220449995
Lsm4	96.964	18.702	5.18468613
Tpm2	11.5445	2.2395	5.1549453
Tceb2	1118.8645	217.27	5.149650205
LOC100503724	18.896	3.676	5.140369967
Dok5	19.914	3.888	5.12191358
Zfand2b	11.3	2.2185	5.093531666
Gm10221	959.7975	189.045	5.077084821
Hist1h4c	23.187	4.613	5.026446998
Tomm7	99.485	20.2315	4.917331883
LOC100503172	4.8475	1	4.8475
Atp5j2	794.921	164.7975	4.823622931
Ndufa5	519.466	109.497	4.744111711
Refbp2	10.402	2.195	4.738952164
Usmg5	905.3675	193.094	4.688739681
Fkbpl	10.465	2.2605	4.629506746
Gm6900	14.4895	3.138	4.617431485
Uqcr11	562.0235	121.9935	4.606995455
Ndufc1	1029.66	223.8245	4.600300682
C1qtnf4	23.7265	5.17	4.58926499
Scyl2	67.2215	14.7345	4.56218399
Atp5e	884.0335	194.6755	4.541061921
Nop10	552.92	121.8365	4.538213097
Gm561	207.151	45.702	4.532646274
Med11	15.6685	3.4975	4.479914224
Gm3244	142.6045	31.9815	4.458968466
Dpm3	97.691	22.02	4.436466848

Rpa3	23.536	5.3055	4.436151164
1810022K09Rik	213.1715	48.6205	4.384395471
Sprr1a	8.503	1.942	4.378475798
Efcab10	23.106	5.2935	4.364975914
Rtn4r	5.283	1.2115	4.360709864
Rundc2a	5.6745	1.302	4.358294931
Pfdn4	98.098	22.597	4.341195734
Ndufa2	442.895	102.053	4.339852822
Uqcrq	895.4335	206.533	4.335546862
LOC100503459	186.453	43.153	4.320742474
Ndufa7	397.406	92.807	4.28206924
Gm10029	8.967	2.0965	4.277128548
Cox7a2	701.558	164.2645	4.270904547
Hist1h4d	383.8715	89.964	4.266945667
Romo1	558.065	130.8035	4.266437825
Rps27l	81.3645	19.193	4.239279946
Chchd1	103.97	24.789	4.19419904
Hist1h4i	12.2045	2.9135	4.188948001
Psmg4	31.823	7.6255	4.173234542
Thumpd2	5.453	1.31	4.16259542
Gm9803	84.6665	20.4375	4.142703364
Znrd1as	17.02	4.151	4.100216815
Ndufb4	669.6945	164.4095	4.073332137
Ndufb2	345.829	85.383	4.050326177
Pafah1b3	133.1685	32.939	4.042882298
Bnip1	30.48	7.5765	4.022965749
Gm6788	23.385	5.8225	4.016316015
Hist1h3a	4.8405	1.208	4.007036424
Dynll1	351.472	87.826	4.001912873
Nudt17	14	3.5085	3.990309249
Ubl5	246.934	62.4455	3.95439223
Mif	1387.941	351.8165	3.945070797
Mrpl33	157.8685	40.1515	3.931820729
Ndufa4	1127.489	286.923	3.929587381
Dnajc15	185.236	47.4605	3.902950875
Cox6b1	1172.932	301.2515	3.893530821
Dctpp1	34.417	8.869	3.880595332
Dnajc19	84.2545	21.7635	3.871367197
2900010M23Rik	162.7415	42.0995	3.865639734
Adrb1	7.9425	2.056	3.863083658
Lyplal1	10.1655	2.6335	3.860072147
2010107E04Rik	829.43	215.4745	3.849318597
Nubp1	5.169	1.346	3.840267459
Gm10053	106.7795	27.9305	3.82304291
Ndufa1	260.1105	68.1745	3.815363516
Atpif1	943.722	247.695	3.810016351
Ndufa8	397.685	105.1755	3.781156258
2310030G06Rik	4.262	1.1275	3.780044346
Chchd10	919.0805	243.336	3.777001759
Mrpl12	91.7185	24.3105	3.772793649
Gm10177	136.083	36.1795	3.761328929
Cacng8	23.781	6.3285	3.757762503
A230065H16Rik	21.8015	5.838	3.73441247
Als2cr4	13.823	3.7175	3.718359112
Pvalb	29.033	7.853	3.697058449

Sac3d1	10.68	2.8915	3.693584645
Csrp2	13.949	3.78	3.69021164
Rrp36	28.8155	7.8225	3.683668904
Sncb	306.3235	83.6175	3.663389841
Med31	62.377	17.0655	3.655152208
1110032A04Rik	6.6325	1.8195	3.645232207
Mrps34	46.6085	12.792	3.643566291
Mrpl53	111.517	30.649	3.638520017
Mrpl34	245.71	68.006	3.613063553
Ndufa3	429.3675	119.0985	3.605146161
Tstd1	4.6395	1.2915	3.592334495
Slc25a10	5.735	1.6025	3.578783151
2310016M24Rik	185.8115	51.962	3.575911243
Cox5a	538.115	151.293	3.556773942
Ndufa11	116.921	32.8785	3.556153717
Gm10269	5.034	1.4255	3.531392494
Ndufv3	283.1175	80.255	3.527724129
Uqcr10	936.83	266.121	3.520315947
Hist1h3e	17.704	5.0405	3.512349965
1810035L17Rik	270.3785	77.1005	3.506831992
Pfdn1	96.259	27.7075	3.474113507
Dhrs7	13.473	3.89	3.463496144
Crh	10.258	2.9625	3.462616034
Pgam2	5.257	1.5215	3.455142951
Atp6v1f	309.981	90.0715	3.441499253
Robld3	215.405	62.835	3.428105355
Zfp771	9.2435	2.704	3.418454142
Chmp6	18.375	5.3775	3.417015342
Yjefn3	14.928	4.3885	3.401617865
Grhl3	3.6075	1.0645	3.388914984
Gm14166	38.471	11.3665	3.384595082
Gtpbp3	9.2395	2.736	3.377010234
Ap3b2	66.1715	19.6025	3.375666369
Atox1	151.137	45.0185	3.35721981
Coq4	19.075	5.691	3.351783518
Higd2a	537.3105	161.155	3.334122429
Slc32a1	89.945	26.9835	3.333333333
Tmub1	13.4975	4.0515	3.331482167
Thap3	29.049	8.735	3.32558672
Uck1	18.016	5.4465	3.307812357
Ndufs7	437.7275	132.355	3.307222999
Spa17	23.504	7.1075	3.3069293
Gm7536	102.3315	30.986	3.302507584
Ndufs6	370.673	112.2485	3.302253482
Rnasek	1259.338	382.285	3.294238592
Gm2000	132.873	40.4095	3.288162437
1110001J03Rik	204.405	62.3255	3.279636746
Slc29a1	6.839	2.09	3.272248804
Setx	24.6525	7.5895	3.248237697
Zfp787	8.7665	2.706	3.239652624
Cda	10.26	3.173	3.233532934
Rpusd4	4.9825	1.5415	3.232241323
Cox5b	955.902	296.0255	3.229120464
Sssca1	121.4445	37.619	3.228275605
Erh	212.669	66.26	3.209613643

Hcfc1r1	90.5105	28.2195	3.207374333
Uqcrh	1024.428	319.768	3.203660154
Tmem203	20.6155	6.4395	3.201413153
Neil2	3.21	1.004	3.197211155
Polr2j	113.0315	35.4185	3.19131245
Amdhd2	8.4855	2.6655	3.183455262
Cox6c	1169.184	367.3745	3.182539888
Tmem115	7.5355	2.369	3.180878008
Ndufs5	556.87	175.1975	3.178527091
Akr7a5	8.509	2.684	3.170268256
3110001D03Rik	71.866	22.804	3.151464655
Gm3934	41.1595	13.0795	3.146871058
Mrpl23	120.5825	38.3315	3.145780885
Aacs	8.351	2.6555	3.144793824
Fxyd2	17.076	5.4605	3.127186155
Fabp3	201.4065	64.438	3.125585834
Gpn2	6.3545	2.0355	3.121837386
Smcr7	8.1415	2.6085	3.121142419
Gng13	34.468	11.07	3.11364047
1700023F06Rik	12.3255	3.962	3.110928824
Timm8b	582.267	187.1765	3.110791152
Cox6a1	1259.033	405.38	3.105809364
0910001L09Rik	61.816	19.904	3.105707396
Mrpl20	123.253	39.7875	3.097781967
Gal	165.235	53.3665	3.096230781
Ext2	45.0985	14.62	3.084712722
1810006K21Rik	77.5565	25.195	3.078249653
Ankrd37	6.8325	2.2215	3.075624578
Rpp21	89.0795	28.966	3.075312435
Fam183b	29.623	9.639	3.073244112
Mrpl52	231.916	75.4635	3.073220829
Plvap	13.111	4.268	3.071930647
6330527O06Rik	26.8755	8.7975	3.054901961
Gabarapl2	93.432	30.6985	3.043536329
Tomm6	183.46	60.291	3.04290856
Ndufb5	253.883	83.477	3.041352708
Vps37d	14.171	4.6595	3.041313446
Scand1	26.3855	8.684	3.038403961
Lsm7	66.373	21.8525	3.037318385
Sec61b	98.2725	32.541	3.019959436
Mrpl36	152.6785	50.693	3.01182609
Grc10	372.4755	123.888	3.006550271
Serf1	26.694	8.8835	3.004896719
Yif1b	19.432	6.469	3.003864585
Atp5k	717.4725	239.2265	2.999134711
Srp14	328.308	109.564	2.996495199
Chchd2	873.471	291.535	2.996110244
Sirt4	7.408	2.474	2.994341148
Hist1h2bg	4.9485	1.6535	2.992742667
Fxc1	25.846	8.6365	2.992647485
Tm2d1	13.792	4.61	2.99175705
Eepd1	4.6815	1.568	2.98565051
Rpusd1	24.703	8.279	2.98381447
Dem1	9.462	3.175	2.98015748
Ccdc124	69.304	23.2565	2.97998409

B9d2	16.1645	5.4245	2.979905982
Gm6181	14.1095	4.741	2.976059903
Krtcap2	97.895	32.9065	2.97494416
Ogg1	4.4665	1.503	2.97172322
Gm4184	23.592	7.958	2.964563961
Atp5o	696.3875	235.365	2.95875555
Fbxo36	11.5315	3.899	2.957553219
Clpp	73.673	24.9465	2.953239933
Med29	14.0985	4.778	2.950711595
Cpsf4	9.0705	3.0765	2.948317894
Exoc3l	7.0715	2.3985	2.948301021
Snrpd2	313.486	106.388	2.946629319
Ggal	15.5245	5.275	2.943033175
Hspe1	497.7365	169.167	2.942278931
Nup37	5.3885	1.832	2.941320961
Mrps28	51.903	17.651	2.940513285
Gm5453	4.136	1.409	2.935415188
Cox7c	1456.53	496.616	2.932909934
Ftsj1	19.625	6.7015	2.928448855
Abhd14a	17.4085	5.9675	2.917218266
Tmsb15b2	9.4325	3.2335	2.917117674
Tmem147	52.0075	17.88	2.908696868
Emg1	68.5575	23.5775	2.907751034
Tmtc4	17.9835	6.191	2.904781134
Ap2s1	190.141	65.7045	2.893880937
Ndufb11	198.029	68.503	2.890807702
Pam16	132.821	46.069	2.883088411
Zfp526	8.2695	2.87	2.881358885
Mpdu1	22.532	7.8395	2.874162893
Magohb	15.055	5.2505	2.867345967
Ccne1	8.7895	3.07	2.863029316
Cox4i1	1328.1925	464.274	2.860794488
Inpp1	18.2865	6.4035	2.855703912
Cstb	186.609	65.3505	2.855509904
Chchd6	62.848	22.0685	2.847860072
Mrpl42	200.2255	70.3335	2.846801311
1700021F05Rik	52.319	18.46	2.834182015
Commd3	128.821	45.4835	2.832257852
Lsm5	29.329	10.3715	2.827845538
Pcdhgc5	14.1865	5.022	2.824870569
H2afj	22.4	7.932	2.824004034
Nts	150.985	53.4855	2.822914622
Arl2	224.412	79.578	2.820025635
LOC100503508	16.9975	6.0295	2.819056306
Sip1	7.621	2.709	2.813215209
Gm13202	3.758	1.336	2.812874252
Fbxl6	4.8475	1.7235	2.812590659
Mansc1	5.409	1.9245	2.810600156
Lsmd1	207.3635	74.0745	2.799391154
Snx17	63.6795	22.752	2.798852848
Lrrc24	13.3515	4.7755	2.795832897
Atp5g1	1218.382	435.859	2.795358132
Hist1h2bf	12.347	4.431	2.786504175
Ranbp1	204.155	73.3515	2.783242333
Fads6	12.434	4.48	2.775446429

Rplp2	1203.59	435.3495	2.764652308
Asphd1	36.7955	13.31	2.764500376
Cox8a	1076.501	390.349	2.757791105
Nudt8	7.8945	2.8645	2.755978356
B3galt6	5.5375	2.0095	2.755660612
Lor	8.2815	3.0195	2.742672628
Rnf126	41.1985	15.031	2.740902136
Abcb9	5.6705	2.07	2.739371981
Poc1a	6.5305	2.386	2.737007544
Ndufs3	221.8755	81.1255	2.734966194
2410015M20Rik	123.2695	45.261	2.723525773
Dusp6	12.8255	4.71	2.723036093
Gm5617	51.565	18.95	2.721108179
Ndufa12	477.701	175.92	2.71544452
Pcx	4.6715	1.723	2.711259431
Spns1	4.6405	1.712	2.71057243
Dhps	41.826	15.448	2.707534956
2310003F16Rik	218.517	80.764	2.705623793
Rwdd1	42.5915	15.746	2.704909183
Fam125a	19.6555	7.2685	2.704203068
Ndufb3	324.9015	120.2415	2.702074575
Cmc1	28.1175	10.4105	2.70087892
1700040I03Rik	8.4925	3.1445	2.700747337
Wdr3	6.4465	2.387	2.700670297
Taf10	36.5955	13.553	2.700177083
Gm10175	301.928	111.8685	2.698954576
Klhdc3	76.3715	28.336	2.695211039
Hagh	57.2915	21.2725	2.693218945
Hist2h2bb	6.768	2.514	2.692124105
Cetn2	62.3415	23.165	2.691193611
Pcp4	1592.2515	592.1915	2.688744266
2410002I01Rik	4.053	1.5105	2.683217478
1810049H13Rik	8.466	3.1585	2.680386259
Sdf211	24.347	9.0895	2.678585181
2310028O11Rik	114.253	42.762	2.671834807
H1fx	6.1285	2.294	2.671534438
Immp21	4.347	1.6285	2.669327602
Mrpl14	50.355	18.8755	2.667743901
Dpy30	117.9415	44.3065	2.661945764
Pop5	59.863	22.4945	2.6612283
Snrpd3	43.4085	16.3205	2.659753071
Cgref1	30.081	11.3175	2.657919152
Psenen	410.1285	154.8025	2.649366128
Mrps16	52.6855	19.904	2.646980506
Dapk3	26.782	10.123	2.645658402
Gng3	1687.7025	639.2355	2.640188944
Mrps21	198.2895	75.1915	2.637126537
Gm3837	17.4095	6.604	2.63620533
Tmem218	9.9925	3.7915	2.635500462
1110008F13Rik	29.6895	11.285	2.630881701
Bola2	153.476	58.337	2.630851775
Uba52	1437.8195	546.9185	2.628946543
Ndufa6	154.226	58.7555	2.624877671
Zfp637	30.885	11.77	2.62404418
Gm10154	96.5545	36.8205	2.622302793

Nccrp1	5.5275	2.1115	2.617807246
Hist1h2bl	2.7865	1.065	2.616431925
Ndufb6	204.2125	78.2415	2.610027926
Dync1h1	81.697	31.304	2.609794275
Lin7b	99.8805	38.4075	2.600546768
Uqcrb	128.8765	49.6065	2.597976072
Clptm11	21.4905	8.288	2.592965734
Ndufab1	96.0515	37.052	2.592343193
Psmc3	49.3505	19.0635	2.588742886
Tnfrsf8	2.902	1.1225	2.585300668
Ndufb7	216.105	83.628	2.584122543
Tac2	424.6965	164.3485	2.584121547
Rpl36	1209.866	469.321	2.577907232
1110058L19Rik	53.296	20.7195	2.572262844
Tmem86a	7.9325	3.085	2.571312804
Kctd21	15.5865	6.0665	2.569273881
1700029F09Rik	3.319	1.293	2.566898685
Ddt	149.2415	58.1835	2.565014136
Tmsb10	1099.414	428.6385	2.564897927
Ppp4c	21.8285	8.518	2.562632073
Ccdc56	175.002	68.355	2.56019311
Pde11a	4.5205	1.767	2.558290889
2410022L05Rik	161.1775	63.017	2.557682847
Hyal2	5.3595	2.102	2.549714558
Psmc3	191.649	75.2245	2.547693903
Rpp30	30.274	11.885	2.547244426
Ccdc52	3.547	1.393	2.546302943
Lig4	8.675	3.4075	2.545854732
Prdx5	580.7205	228.138	2.545479052
6330512M04Rik	7.2885	2.869	2.540432206
Cdipt	29.175	11.488	2.539606546
Pdlim7	36.7385	14.483	2.536663675
Jak1	63.437	25.056	2.531808748
Slc10a3	6.0785	2.4015	2.531126379
Rpl34	182.276	72.095	2.528275192
2610528E23Rik	27.1505	10.754	2.524688488
Slc2a6	5.5655	2.2065	2.522320417
Gtf2h3	10.608	4.2065	2.521811482
Rcc1	4.993	1.98	2.521717172
Gm5526	92.5135	36.7385	2.518162146
5730403M16Rik	5.602	2.226	2.516621743
3110040N11Rik	42.525	16.8995	2.516346637
Rpl39	607.093	241.3915	2.514972565
Cdc42ep3	11.8005	4.6945	2.513686229
Abtb1	7.28	2.901	2.50947949
Gm10196	7.3495	2.938	2.501531654
Dbn1	25.44	10.1785	2.499385961
Polr2i	44.8585	17.95	2.49908078
Znrd1	55.4675	22.1975	2.498817434
Cltb	154.256	61.79	2.496455737
B4galt3	11.1075	4.453	2.494385807
Ube2s	97.654	39.1855	2.49209529
Mrpl51	77.8825	31.257	2.491681863
Npdc1	66.47	26.7125	2.488348152
Brp44	177.95	71.5395	2.48743701

Cdk4	54.9745	22.101	2.487421384
Hint2	78.615	31.626	2.485771201
Ube2d1	137.102	55.1595	2.485555525
Gm10047	8.051	3.241	2.484109843
Rpl38	1187.776	478.229	2.483697141
D4Bwg0951e	4.4195	1.7805	2.48216793
Pgp	43.94	17.7245	2.479054416
Atp5d	673.6085	272.0185	2.476333411
Srrm2	267.34	108.001	2.47534745
5430437P03Rik	64.4715	26.0715	2.472872677
Utp18	7.927	3.211	2.468701339
Raly	14.342	5.811	2.468077784
Mrps18a	111.0805	45.01	2.467907132
Qsox2	14.0355	5.691	2.46626252
Ccdc12	30.7025	12.467	2.462701532
Slc7a4	9.3885	3.8155	2.460621151
Abhd11	32.8335	13.344	2.460544065
Ndufv2	149.3165	60.7085	2.45956497
1810014F10Rik	57.7955	23.594	2.44958464
Lipt1	6.976	2.853	2.445145461
H2afx	100.475	41.154	2.441439471
Spr	16.9085	6.9375	2.437261261
Slc35b2	5.1445	2.112	2.435842803
Dnajc17	24.3815	10.0125	2.435106117
Lrrc48	4.5845	1.8835	2.434032387
Pex16	11.2925	4.6415	2.432941937
Ssu72	136.468	56.1055	2.432346205
Ly6h	32.5455	13.3925	2.430128803
Glrx5	100.3455	41.3595	2.426177783
Gbx2	5.175	2.133	2.426160338
2900010J23Rik	193.64	79.9105	2.423210967
Fabp5	114.8795	47.4205	2.422570407
Sepx1	15.7665	6.511	2.421517432
Moxd1	2.8435	1.1745	2.421030226
Bloc1s2	55.889	23.086	2.420904444
Mrpl32	58.2575	24.111	2.416220812
Timm13	45.307	18.7975	2.410267323
Clasp2	163.716	67.941	2.409678986
Nit2	16.0925	6.6785	2.409597964
Med30	25.6065	10.635	2.407757405
Atf6b	6.675	2.7725	2.407574391
Thyn1	80.562	33.471	2.406919423
Mtpap	18.63	7.742	2.406354947
Crhbp	8.326	3.462	2.404968226
1700037H04Rik	197.9145	82.317	2.404296804
Gm6136	55.644	23.1615	2.402435075
Nenf	71.8125	29.899	2.401836182
Fam53a	8.8805	3.698	2.401433207
Bud31	82.307	34.287	2.400530813
Dctn3	259.444	108.1235	2.399515369
Apex1	34.4755	14.3785	2.397711861
Pdcd5	191.3465	79.817	2.397315108
Rpl221l	312.9475	130.652	2.395275235
Ccdc107	11.5365	4.819	2.393961403
Tmem132a	5.7475	2.401	2.393794252



Nudt1	8.1525	3.406	2.39357017
Tbca	520.2655	217.7865	2.388878558
Ephx1	7.9945	3.3485	2.387486934
Rxrg	10.388	4.352	2.386948529
BC048546	7.584	3.1775	2.386782061
Pusl1	15.131	6.346	2.38433659
1110001A16Rik	33.9535	14.258	2.381364848
Slc22a5	4.762	2	2.381
Coro1a	54.127	22.7725	2.376858052
Osbpl10	6.8565	2.8855	2.376191301
Krt25	2.564	1.0795	2.375173692
Fggy	9.516	4.0075	2.374547723
Txn1	241.7655	101.8745	2.37316993
Micall2	3.3345	1.4055	2.372465315
Grtp1	13.7785	5.8085	2.372127055
Mpp3	15.8845	6.706	2.368699672
N6amt2	28.6045	12.091	2.365767927
Mrpl21	72.4075	30.617	2.364944312
Paqr7	12.195	5.159	2.3638302
Mrpl43	87.838	37.162	2.363651041
G0s2	5.5335	2.343	2.361715749
Tpra1	11.6395	4.9285	2.361671908
Ramp2	4.0985	1.7375	2.358848921
Iscu	289.4815	122.8275	2.356813417
Zfp385b	81.039	34.391	2.356401384
Khk	15.2935	6.4905	2.356289962
Tmem222	88.6795	37.677	2.35367731
Ssr4	54.53	23.172	2.353271189
Tuba8	8.321	3.5375	2.352226148
Praf2	190.779	81.132	2.35146428
Pnoc	29.9535	12.7445	2.350307976
Grwd1	8.139	3.465	2.348917749
Pofut2	19.935	8.4895	2.348194829
Hebp1	14.255	6.0765	2.345922817
Spes1	75.2695	32.0875	2.345757694
Rps28	613.903	261.7175	2.345670427
Sra1	51.3925	21.9165	2.344922775
D430042O09Rik	3.7845	1.62	2.336111111
Pde6d	101.826	43.6175	2.334521694
Uchl3	46.371	19.8725	2.333425588
Smn1	21.9285	9.399	2.333067348
Hspb11	26.7	11.4465	2.332590748
Alk	3.703	1.592	2.326005025
C330021F23Rik	2.5285	1.088	2.323988971
Atp5j	464.389	199.8405	2.323798229
Siva1	25.0135	10.7655	2.323487065
Pgls	13.7485	5.921	2.321989529
Fbll1	40.9755	17.6715	2.318733554
Rnaseh2c	64.015	27.6155	2.318082236
Cycs	156.661	67.599	2.317504697
Hint1	397.7925	171.7615	2.315958466
Ndufb8	314.5345	135.9525	2.313561722
Cox17	337.403	146.046	2.310251565
1110008P14Rik	108.2935	46.9595	2.306104196
Kcnj11	7.965	3.456	2.3046875

Cxx1b	106.9445	46.4215	2.303770882
Yrdc	8.686	3.7705	2.303673253
Ube2m	40.2	17.452	2.303460921
Acn9	29.723	12.9075	2.302769708
Ndufs4	94.7155	41.136	2.302496597
Zfp628	6.9795	3.036	2.298913043
Hist1h1e	46.1265	20.07	2.298281016
Shh	5.7565	2.5055	2.2975454
Pcdhga9	4.3935	1.914	2.295454545
Ndufc2	447.346	195.1075	2.292818062
Prmt10	4.5225	1.9755	2.28929385
Fancf	4.3255	1.8895	2.289229955
Pin4	91.829	40.14	2.287717987
Dcun1d5	25.518	11.1575	2.287071477
Dis3l2	9.683	4.234	2.286962683
Cacna2d3	8.716	3.8135	2.285564442
Egfl7	3.8705	1.6965	2.281461833
0610037L13Rik	51.99	22.799	2.280363174
Lgmn	31.9265	14.004	2.279812911
Vsig10l	3.395	1.4895	2.279288352
Mid1	28.7535	12.652	2.272644641
P4htm	19.256	8.4795	2.270888614
Suclg1	92.775	40.8705	2.269974676
Ypel3	236.823	104.33	2.269941532
Eif1	347.8985	153.268	2.269870423
Trappc6a	6.218	2.74	2.269343066
Lsm1	14.044	6.19	2.268820679
6330409D20Rik	9.656	4.257	2.268264036
Tm2d3	77.623	34.243	2.266828257
Gm4604	153.767	67.8405	2.266595912
Coq7	61.1855	27.0155	2.26482945
Nme2	220.0635	97.1715	2.264691808
Tyw3	4.9125	2.17	2.263824885
Btf3	237.828	105.0975	2.262927282
Tspan4	6.8745	3.038	2.262837393
Lrrc42	10.6845	4.723	2.262227398
Gm5908	5.088	2.2505	2.260830926
Ccdc85c	5.393	2.3885	2.257902449
Anapc11	11.848	5.248	2.257621951
Map1lc3a	129.101	57.221	2.256182171
Tpd52l1	45.7385	20.2885	2.254405205
Xylt2	4.0635	1.803	2.25374376
Ctxn2	54.564	24.212	2.25359326
0610011F06Rik	104.527	46.3845	2.253489851
Atp5g3	747.394	331.6825	2.253341675
Myl6b	185.817	82.5035	2.252231724
Mgst3	98.63	43.801	2.251775074
Pcbd1	133.656	59.36	2.251617251
Slc46a1	4.715	2.0945	2.251133922
Ostc	31.529	14.015	2.249661077
Pqbp1	117.5945	52.3535	2.246163103
Nme1	232.9525	103.7895	2.24447078
Evl	71.2415	31.7735	2.242167215
Mrpl13	80.225	35.7825	2.242017746
LOC100504116	35.8755	16.0095	2.240888223

Lars2	12300.984	5490.047	2.240597121
Dexi	24.1895	10.803	2.239146533
Ydjc	15.3445	6.8535	2.238929014
Rai12	60.5165	27.05	2.237208872
Cuta	347.189	155.194	2.237129013
Fkbp1b	56.61	25.3945	2.229222863
Sh3bgrl3	460.0025	206.409	2.228597106
Gm4459	230.0995	103.4165	2.224978606
Rpl27	487.231	219.118	2.223600982
Fam36a	39.0665	17.5715	2.22328771
Dact2	2.4445	1.1	2.222272727
Myeov2	221.9385	99.9425	2.220661881
Arhgdig	45.014	20.294	2.218094018
Comtd1	5.7205	2.583	2.214672861
Car4	3.6885	1.6655	2.214650255
Lage3	42.4925	19.1915	2.214131256
Gpr83	12.02	5.4315	2.213016662
Ube2v1	332.4115	150.299	2.211668075
Slc2a8	5.102	2.3085	2.210093134
Zfp579	8.392	3.7975	2.209874918
4930538K18Rik	2.2485	1.0185	2.207658321
Alg13	2.998	1.3585	2.206845786
Krt10	2.912	1.32	2.206060606
Ctbp1	53.0495	24.078	2.203235319
4930427A07Rik	2.736	1.2445	2.198473282
Gale	3.5185	1.6005	2.198375508
Cisd3	64.6655	29.439	2.196592955
Commd4	75.1155	34.2215	2.194979764
Mt3	4.494	2.0485	2.193800342
Ict1	77.7785	35.462	2.193291411
Prelid1	236.986	108.108	2.192122692
Tmem11	47.113	21.547	2.186522486
Dusp14	12.026	5.5075	2.183567862
Polr2f	86.8295	39.806	2.181316887
Tmem141	10.325	4.7365	2.179879658
Pls3	29.0345	13.3205	2.179685447
Mrpl41	54.7555	25.129	2.178976481
Chrna3	2.4555	1.1285	2.175897209
Apitd1	12.617	5.8025	2.174407583
Ssna1	47.6515	21.931	2.172791938
Gm10051	90.1155	41.5335	2.169706382
Med26	8.0585	3.716	2.168595264
C1rl	3.752	1.731	2.167533218
Nhp2	23.2785	10.746	2.166247906
Cisd1	138.856	64.102	2.166172662
Ankrd9	2.828	1.306	2.165390505
Gpr135	3.115	1.4395	2.163945815
Pfdn5	501.0695	231.5625	2.163862888
Nedd8	291.22	134.6295	2.163121753
Polg2	2.92	1.35	2.162962963
Gm9843	526.221	243.433	2.16166666
Rrp9	5.8785	2.7205	2.160816026
Mrpl54	37.396	17.319	2.15924707
Gm11847	98.417	45.5855	2.158954053
Vgf	37.141	17.2355	2.154912825

Atp5g2	89.5585	41.5865	2.153547425
Sh2d7	2.422	1.125	2.152888889
Tceb1	59.2575	27.531	2.152391849
Park7	197.391	91.7605	2.151154364
Prpf8	66.1315	30.7425	2.151142555
Banf1	91.952	42.754	2.150722739
Fgf18	20.547	9.557	2.149942451
Etnk2	3.381	1.575	2.146666667
Ppa2	50.7465	23.6645	2.14441463
Rab4b	54.1035	25.249	2.142797735
CK137956	5.042	2.3555	2.140522182
2310007A19Rik	10.3555	4.84	2.139566116
Pdap1	74.803	34.967	2.139245574
Dlx2	12.4645	5.827	2.139093873
Foxo6	8.7805	4.107	2.137935233
Cbx8	4.28	2.0025	2.13732834
Tmem91	93.7105	43.846	2.137264517
Zdhhc1	12.5745	5.888	2.13561481
Mrpl37	45.364	21.2645	2.133320793
Dynlrb1	1513.6345	709.7735	2.132559894
Srm	67.8175	31.808	2.132089411
Snrpg	119.7715	56.182	2.131848279
Polr3c	14.01	6.579	2.129502964
Acpl2	6.847	3.2155	2.129373348
Ngfrap1	511.5735	240.424	2.127797142
Mrps18c	50.963	23.9585	2.127136507
Dad1	250.5625	117.963	2.124077041
3110007F17Rik	3.352	1.5785	2.123535002
Fam195a	7.184	3.3845	2.122617817
Gmppb	4.263	2.009	2.12195122
Polr2k	43.287	20.401	2.121807755
Jmjd7	3.747	1.7665	2.121143504
Rps14	242.904	114.572	2.120099152
Rinl	2.7605	1.3025	2.119385797
Phpt1	119.4205	56.3775	2.11822979
Rpl29	596.507	281.7985	2.116785576
Timm9	91.3935	43.1785	2.1166437
Snrpe	52.283	24.7075	2.116078114
2010005H15Rik	16.4305	7.7685	2.115015769
Drd1a	2.7635	1.307	2.114384086
Ccdc106	16.702	7.902	2.113642116
Gpx7	3.145	1.488	2.113575269
Sema6b	21.1335	9.999	2.113561356
Rasgef1c	4.7935	2.272	2.109815141
Mrpl55	44.8745	21.289	2.10787261
Cox18	17.5445	8.326	2.107194331
2810408M09Rik	10.8805	5.169	2.104952602
Esr1	12.739	6.059	2.10249216
Maf1	29.431	14.0035	2.101688864
Dlx5	77.982	37.11	2.101374293
Fam173a	66.261	31.5505	2.100156891
Pttg1	45.6205	21.7275	2.099666321
Arpc4	165.191	78.678	2.099583111
Sdhb	131.9685	62.875	2.098902584
Hist2h2ab	18.9565	9.0385	2.097305969

0610009B22Rik	101.3635	48.372	2.095499463
Satb2	12.8755	6.147	2.094598991
Lym2	30.3035	14.4715	2.094012369
Nhp211	198.6	94.913	2.092442553
Blm	2.191	1.0475	2.091646778
BC030500	50.567	24.1765	2.091576531
Gm5107	4.7045	2.2505	2.09042435
Rps21	637.2735	305.1755	2.088219729
Mrpl11	31.351	15.024	2.086727902
Wbscr22	34.1525	16.381	2.084884928
Asna1	242.8505	116.503	2.08449997
Mogs	5.5245	2.652	2.083144796
Fhl2	4.8015	2.3055	2.082628497
Pesk1n	156.198	75.006	2.082473402
Fkbp1a	1107.568	532.213	2.08106153
Xylt1	6.8575	3.296	2.080552184
Vkorc1	48.4175	23.2765	2.080102249
Mrpl22	51.3635	24.697	2.079746528
Kpna2	28.2195	13.582	2.07771315
Slc19a2	5.987	2.886	2.074497575
Rrad	5.0135	2.418	2.073407775
Macrodl	3.838	1.852	2.072354212
Rars2	11.1375	5.3745	2.072285794
Galntl4	5.071	2.449	2.070641078
Spint2	19.0845	9.218	2.070351486
Pmf1	9.3545	4.5195	2.069808607
1810063B05Rik	52.3965	25.3305	2.068514242
Fam165b	47.0115	22.7425	2.067121029
Ubl4	33.7825	16.3465	2.066650353
Gm13841	5.843	2.8285	2.065759236
Hspbp1	34.2145	16.5785	2.063787436
Hmx2	3.99	1.9335	2.063615206
Nrgn	91.075	44.134	2.063601758
1810030N24Rik	10.91	5.288	2.063161876
1110049F12Rik	75.6775	36.69	2.062619242
Dmrtc1a	6.5695	3.186	2.061989956
Gfml	28.564	13.861	2.060745978
Gba	23.8105	11.557	2.060266505
Tmem14c	33.4615	16.2465	2.05961284
Arx	17.223	8.363	2.059428435
Hsbp1	1087.814	528.3625	2.058840285
Dctd	6.0835	2.956	2.058017591
Ints1	9.1305	4.4395	2.056650524
Fank1	4.033	1.961	2.056603774
Gm5561	6.6905	3.254	2.056084819
Cox7b	451.4055	219.7035	2.054612239
Pomp	919.5195	447.615	2.054264267
Bola1	35.052	17.1025	2.049524923
LOC100503055	3.8485	1.878	2.049254526
Hmgn1	105.1575	51.3455	2.048037316
BC056474	277.3625	135.4435	2.047809603
Sema3f	2.29	1.1195	2.045556052
U2af2	48.8	23.8635	2.044964066
Polr2l	25.731	12.583	2.044901852
Rpl35	462.4805	226.203	2.044537429

Necab2	24.4505	11.9635	2.043758098
Rpp25	52.495	25.6915	2.043282798
Ndufa13	232.699	113.886	2.043262561
Polr2c	38.3865	18.817	2.039990434
Shfm1	78.513	38.489	2.039881525
Cck	81.6865	40.048	2.039714842
Dydc2	2.2725	1.115	2.038116592
Parp4	3.383	1.66	2.037951807
Anapc13	193.612	95.051	2.036927544
Mtrf1	9.257	4.547	2.035847812
Eif1b	168.2135	82.6335	2.035657451
Commd2	20.4845	10.063	2.035625559
Lrrc14	8.647	4.25	2.034588235
Myl12b	1868.7535	918.503	2.034564394
Slc16a2	6.5535	3.2215	2.034300792
Rps26	828.79	407.4645	2.034017687
Psmb6	190.4435	93.7005	2.032470478
Fkbp3	591.866	291.3145	2.031707999
Mtch1	290.2245	142.882	2.031218068
Arf5	39.099	19.254	2.030694921
Mrps33	165.3375	81.4425	2.03011327
C1qbp	87.7145	43.2165	2.029653026
Apoa1bp	89.3665	44.0395	2.029235118
Nxt1	4.1875	2.0655	2.027354152
Atp5h	765.9775	378.185	2.025404233
A230050P20Rik	17.1245	8.4565	2.025010347
Cited4	4.1595	2.057	2.022119592
Mrps12	82.997	41.0465	2.022023802
Ndfip1	236.3535	116.9815	2.020434855
0610007C21Rik	69.461	34.393	2.019626087
Yif1a	6.743	3.339	2.019466906
A430005L14Rik	12.933	6.4085	2.01810096
Wbp11	65.9765	32.745	2.01485723
Polr2h	56.8755	28.2455	2.013612788
Gstp1	371.4985	184.5075	2.013460157
Rpl35a	477.663	237.444	2.011686966
Mtx2	38.987	19.3805	2.011661206
Pard6g	3.4085	1.6945	2.011507819
Polr2d	28.505	14.1795	2.010296555
Rnf208	132.1865	65.7725	2.009753316
Pdpf	125.2735	62.335	2.009681559
Ttc27	14.8645	7.398	2.009259259
Dlx6	24.415	12.1725	2.005750667
Nudt14	8.68	4.3325	2.003462204
Mrpl39	86.4685	43.22	2.000659417
Atp5f1	159.253	79.614	2.000314015
Hebp2	6.018	3.0135	1.99701344
Psmc8	91.8475	45.995	1.996901837
Itpa	40.999	20.5335	1.996688339
2310003C23Rik	20.6845	10.367	1.995225234
Ift27	16.235	8.137	1.995207079
Clec11a	4.2085	2.1095	1.995022517
Pigf	5.509	2.762	1.994569153
Plod2	2.4255	1.2165	1.993834772
Mrps36	118.0735	59.2365	1.993255847

Fam96b	58.009	29.122	1.991930499
Gpr162	5.849	2.938	1.990810075
Zmynd19	9.354	4.699	1.990636306
2010107G23Rik	25.3605	12.74	1.990620094
Mrpl30	235.1995	118.1815	1.990154973
Pxmp3	7.6095	3.824	1.989932008
Nell1	24.925	12.535	1.988432389
2510049J12Rik	3.871	1.947	1.988186954
Mitd1	5.3785	2.706	1.987620103
Slc35b1	27.5345	13.853	1.98762001
1810009A15Rik	44.002	22.151	1.986456593
Selm	236.4475	119.119	1.984968813
Smg5	24.2475	12.221	1.984084772
Zc3h3	5.6015	2.8235	1.983885249
Unc119	20.043	10.104	1.983669834
Mlf2	268.0745	135.2615	1.981898027
Tsen34	50.886	25.684	1.981233453
Sf3b5	65.5875	33.1045	1.981226117
Mrpl10	54.639	27.6025	1.979494611
Pard6a	10.591	5.352	1.978886398
Hmx3	3.014	1.5235	1.97833935
Gabarap	173.3735	87.654	1.977930271
Brp44l	102.2925	51.7215	1.977755866
Triap1	21.4015	10.824	1.977226534
Iffo1	12.5875	6.3685	1.976525084
Commd1	44.569	22.556	1.975926583
Nat14	6.924	3.5045	1.97574547
Acot9	6.4525	3.268	1.974449204
Mlx	15.483	7.8505	1.972231068
Ii34	10.8705	5.512	1.972151669
Fmnl1	13.133	6.662	1.971329931
2410003K15Rik	37.0435	18.798	1.970608575
Hmg20b	4.582	2.3255	1.970328962
Cno	5.331	2.707	1.969338751
Frs3	14.067	7.1445	1.968927147
Lmo2	9.326	4.7375	1.968548813
Rabl2	22.001	11.19	1.966130474
Timm17a	274.133	139.449	1.965829802
Med25	16.8895	8.592	1.965723929
Gtf2h4	5.9595	3.032	1.965534301
Rpl36al	834.713	424.9745	1.964148437
2010305A19Rik	3.2385	1.649	1.963917526
Tmem48	3.958	2.016	1.963293651
Cox16	17.2365	8.7865	1.961702612
Ap1s1	88.506	45.1225	1.961460469
Sharpin	30.919	15.7685	1.96080794
Arpc5l	73.6695	37.572	1.96075535
Tceal6	89.8965	45.8775	1.959489946
Znhit1	113.4965	57.934	1.959065488
Snx3	117.867	60.2175	1.95735459
Chchd7	24.2685	12.4	1.957137097
Zfp11	12.3825	6.332	1.955543272
Vstm2l	8.9015	4.5545	1.954440663
Fam159b	2.176	1.115	1.951569507
Gm14173	6.129	3.141	1.951289398

Snrpf	42.4855	21.7975	1.949099667
Gm4987	3.056	1.568	1.948979592
Chst10	13.7785	7.0705	1.948730641
Tomm22	133.7695	68.7075	1.946941746
Bcam	4.2375	2.177	1.94648599
Spin2	17.421	8.954	1.9456109
Manf	15.193	7.812	1.944828469
Snip1	7.209	3.712	1.942079741
Dctn1	49.8125	25.661	1.941175324
Endog	8.0405	4.1425	1.94097767
Aamp	67.483	34.79	1.939724059
Rheb	126.6215	65.2965	1.939177444
Slc9a5	4.835	2.496	1.937099359
1700001L19Rik	19.691	10.166	1.936946685
Ndufaf3	91.2515	47.121	1.936535727
Zscan29	2.7905	1.4415	1.935830732
D8Ertd738e	93.7315	48.4235	1.935661404
Ndufaf2	95.732	49.493	1.934253329
Trappc2l	66.0195	34.143	1.933617433
Bax	21.1515	10.942	1.933056114
Anapc7	9.711	5.0245	1.932729625
Psmb4	370.8915	191.906	1.932672767
Bak1	21.897	11.3325	1.932230311
Cox19	30.8	15.945	1.931640013
Pla2g6	8.3095	4.3025	1.931319001
Tesc	8.8325	4.5755	1.930390121
Ppil1	19.3475	10.024	1.930117717
Ap2m1	343.4635	178.025	1.929299256
Gm3724	161.6305	83.7815	1.929190812
Pex6	19.014	9.8665	1.927127147
Spna2	90.044	46.726	1.927064161
Lhx8	65.368	33.9345	1.926299194
Harbi1	3.5955	1.8675	1.925301205
Gemin4	5.2275	2.7155	1.925059842
1700019E19Rik	15.0865	7.8395	1.9244212
Pcdhgb6	4.348	2.2595	1.92431954
Rabac1	100.9765	52.484	1.923948251
B230118H07Rik	17.174	8.927	1.923826593
Cpa2	12.6495	6.583	1.921540331
Rps6kl1	12.6505	6.5895	1.919796646
Sephs2	19.008	9.9075	1.918546556
Dennd2a	4.873	2.5405	1.918126353
Ppia	2342.097	1222.1005	1.916452043
Lpcat4	68.445	35.728	1.915724362
Gm7589	13.798	7.2025	1.915723707
2410002F23Rik	56.323	29.4115	1.914999235
Arl6ip5	17.515	9.1465	1.914940141
Tm4sf5	8.077	4.219	1.9144347
Gpr161	2.314	1.2095	1.913187267
Ppa1	105.1395	54.958	1.913088176
Tk2	10.213	5.344	1.911115269
Cyth2	15.124	7.919	1.909837101
Izumo4	21.5285	11.2765	1.909147342
Nudt7	3.82	2.001	1.909045477
Fau	96.879	50.7875	1.907536303



Dut	20.37	10.6835	1.906678523
Penk	165.007	86.625	1.904842713
Pcbd2	79.447	41.7375	1.903492063
Sod1	2463.7695	1294.6865	1.902985395
Mapksp1	73.085	38.421	1.902214935
Armc6	5.6065	2.9475	1.902120441
Gm10288	212.3485	111.65	1.901912226
Ndufs8	128.873	67.78	1.901342579
Radil	3.4725	1.83	1.897540984
Tmem192	21.053	11.1035	1.896068807
Xrcc6bp1	8.186	4.322	1.894030541
Bcl7b	36.6825	19.37	1.89377904
Kcnab3	15.6955	8.288	1.893762066
Dhrs7b	7.5755	4.005	1.891510612
Scn1b	45.4695	24.043	1.891174146
Psmg1	27.567	14.582	1.890481415
Rgs10	165.034	87.2985	1.890456308
Imp3	36.8975	19.5215	1.890095536
LOC100502641	10.0445	5.32	1.88806391
Taf12	23.133	12.255	1.887637699
9430023L20Rik	16.1025	8.5315	1.887417219
Lrfn1	5.3035	2.8105	1.887030777
1810027O10Rik	42.2575	22.398	1.886663988
Fundc2	29.8105	15.8075	1.885845327
Aldh1l2	2.163	1.1475	1.88496732
Entpd3	4.3465	2.3065	1.884456969
Nfatc2	13.078	6.9445	1.883216934
Ogdhl	9.904	5.2605	1.882710769
Brd9	33.303	17.6935	1.882216633
Arl3	182.8295	97.1495	1.881939691
Csnk2b	140.3015	74.5755	1.881335023
Ptdss2	7.3025	3.8845	1.879907324
Ube2f	19.332	10.308	1.875436554
Tmed9	63.2585	33.732	1.8753261
Rab1b	74.971	39.98	1.875212606
Ier3	14.8895	7.941	1.875015741
Begain	33.009	17.6105	1.874393118
Ndufb10	181.1685	96.6715	1.874063193
Tusc3	47.5725	25.385	1.874039787
Rexo2	90.262	48.168	1.873899684
Eri3	82.097	43.82	1.873505249
Mc4r	3.042	1.624	1.873152709
Nutf2	68.8755	36.7805	1.872609127
Atp6v0a2	31.9075	17.0455	1.871901675
Sdr39u1	123.333	65.904	1.87140386
Naca	380.809	203.6015	1.870364413
Timm23	99.8645	53.4175	1.869509056
Dnajc30	124.939	66.836	1.869336884
Naa10	38.3155	20.508	1.86831968
Wdr61	33.7835	18.0885	1.867678359
Rhobtb2	16.612	8.9015	1.866202325
CommD9	25.256	13.536	1.865839244
Grhpr	33.672	18.0565	1.864813225
Cbr1	122.06	65.461	1.864621683
Cxx1c	788.8375	423.227	1.863863837

Mib2	9.582	5.151	1.860221316
Psme2	78.6375	42.3105	1.858581203
Chrac1	13.629	7.3345	1.858204377
1810046J19Rik	122.686	66.082	1.856572138
Rab3a	566.623	305.2275	1.856395639
Bmyc	401.539	216.3435	1.856025256
Gm13889	16.244	8.753	1.855820861
Sdhd	118.6755	63.9585	1.855507868
Ical	18.819	10.1425	1.855459699
Zfp35	6.954	3.748	1.855389541
Psm2	144.592	77.9735	1.854373601
Mrps9	24.3225	13.1375	1.851379638
Jtb	11.307	6.1075	1.851330332
Mmp11	2.127	1.149	1.851174935
BC024814	21.784	11.772	1.850492695
Rwdd2a	89.211	48.219	1.850121321
Ddost	27.8035	15.03	1.849866933
Pramef8	5.5995	3.028	1.849240423
Pip5k1c	35.789	19.3605	1.84855763
Zbtb45	8.993	4.865	1.848509764
1500032L24Rik	174.6585	94.493	1.848375012
Dohh	29.0755	15.7375	1.847529786
Asb6	13.579	7.352	1.846980413
Dnajc8	89.7575	48.621	1.846064458
Itga3	9.918	5.373	1.845896147
LOC100046290	37.793	20.4755	1.845766892
4930452B06Rik	9.4925	5.146	1.844636611
Snf8	63.5875	34.488	1.843757249
Fam100a	91.0395	49.3855	1.843445951
Rph3al	2.79	1.514	1.842800528
Stra13	32.8325	17.8225	1.842193856
Bre	35.231	19.139	1.84079628
Ppp1r1a	20.968	11.395	1.840105309
Ap4s1	41.2775	22.4355	1.839829734
Psm6	134.1485	72.917	1.839742447
Uchl1	575.5775	312.925	1.839346489
2310036O22Rik	80.873	43.982	1.838774953
Nudt2	23.2765	12.6605	1.838513487
Gprasp1	309.9	168.562	1.838492661
Ensa	269.9945	147.001	1.836684784
Coq9	19.428	10.591	1.834387688
Nudt16l1	32.2675	17.591	1.834318686
Fam171a2	4.9645	2.707	1.833949021
Narg2	6.4145	3.4985	1.833500071
Gm8186	35.9265	19.6035	1.832657434
Nr2c2ap	8.079	4.4085	1.832596121
Ppp1r1l	77.399	42.257	1.83162553
Polm	7.8825	4.3095	1.829098503
Pddc1	23.2225	12.7045	1.827895628
Atp9a	35.235	19.2805	1.8274941
Psm7	332.1595	181.847	1.826587736
A2ld1	27.227	14.906	1.826579901
Dhdpsl	4.622	2.531	1.82615567
Mcts2	34.72	19.019	1.825542878
St8sia5	6.3585	3.4835	1.825319363

Fam136a	17.2395	9.4455	1.825154836
Sepn1	5.796	3.181	1.822068532
Gm6816	36.0605	19.7975	1.821467357
2610524H06Rik	27.5465	15.124	1.82137662
Cyp4x1	3.5425	1.945	1.821336761
Rdm1	2.1115	1.1595	1.821043553
Mea1	158.536	87.0955	1.820254778
Fkbp2	242.888	133.5	1.819385768
Nmbr	4.036	2.219	1.818837314
Slc35c2	13.344	7.3405	1.817859819
AI316807	19.8485	10.921	1.817461771
Ndufs1	35.8505	19.742	1.815950765
Chmp4b	117.4105	64.682	1.815195881
Myst1	17.408	9.591	1.815034929
D230037D09Rik	11.001	6.0645	1.813999505
Kctd8	7.557	4.166	1.813970235
Wdr36	7.781	4.2905	1.813541545
Rps19bp1	42.427	23.395	1.81350716
1110065P20Rik	18.713	10.3435	1.809155508
Rpl22	61.3445	33.917	1.808665271
Mycbp	20.8395	11.5245	1.808278016
Gadd45gip1	25.668	14.195	1.808242339
LOC100503996	2.0775	1.149	1.808093995
Scyl1	22.5205	12.457	1.807859035
Rfc5	2.666	1.475	1.807457627
Pcdhgb7	2.432	1.346	1.806835067
Panx1	6.5255	3.6125	1.806366782
Bcl11a	32.883	18.2115	1.80561733
Ankrd13d	15.2635	8.4585	1.804516167
Nup85	12.147	6.732	1.804367201
Rnase6	1.997	1.107	1.803974706
Fam58b	24.711	13.699	1.803854296
0610010O12Rik	25.352	14.0545	1.803835071
Cartpt	52.5785	29.1615	1.803010819
Nell2	40.896	22.6945	1.802022516
Pak6	15.9905	8.888	1.799111161
Timm10	54.0325	30.0595	1.797518255
Tmem55b	40.256	22.398	1.797303331
Pdxp	158.0165	87.946	1.796744593
Top2b	12.712	7.0755	1.796622147
Prdx3	57.0845	31.786	1.795900711
Cpsf3l	7.181	4.0025	1.79412867
Spire2	13.1855	7.35	1.793945578
Vps29	151.8415	84.6515	1.79372486
Ccdc28a	21.7485	12.129	1.793099184
Rpl32	932.051	520.175	1.791802759
Wwp2	14.6385	8.17	1.791738066
Acta1	4.2915	2.3955	1.791484033
Acot7	323.206	180.457	1.791041633
2010107G12Rik	2.4355	1.3605	1.79015068
Srp19	70.9215	39.6215	1.78997514
U2af114	29.539	16.5035	1.789862756
Cdh22	3.1315	1.75	1.789428571
Pias3	9.731	5.4385	1.789280132
Mad211	6.0185	3.3655	1.788292973

Ddb1	49.904	27.9445	1.785825476
Snrpd1	83.0325	46.5275	1.784589759
Gm12715	79.177	44.389	1.783707675
Mgat4c	4.7835	2.682	1.783557047
Avpi1	9.9915	5.6045	1.78276385
Slc35e4	1.8635	1.0475	1.778997613
Tigd2	5.4155	3.047	1.777321956
Pin1	16.6885	9.393	1.776695411
C1d	22.593	12.719	1.776318893
Tsc22d1	158.659	89.3265	1.776169446
Atp6v0c	683.4585	384.936	1.775512033
Frat1	5.428	3.059	1.77443609
Mrpl38	29.5055	16.632	1.774019962
Rpl28	625.7955	352.834	1.773625841
Cnpy2	61.6985	34.787	1.773607957
Pdcd2l	11.2545	6.3495	1.772501772
Stmn3	545.117	307.773	1.771165762
Bcas2	89.072	50.296	1.770955941
Serpinb6a	14.7095	8.3075	1.77062895
Lyar	19.193	10.846	1.769592476
Nt5dc2	4.634	2.619	1.769377625
Pfdn2	356.3345	201.444	1.768901035
Drap1	72.365	40.9135	1.768731592
Marcks11	61.1865	34.5955	1.768625977
Gas6	22.9755	12.9915	1.768502482
Tmem160	7.1745	4.057	1.768424945
Gm6344	11.1165	6.2865	1.768313052
Ckmt1	240.565	136.127	1.767210032
Senp3	15.9245	9.014	1.766640781
Psmb1	147.1705	83.312	1.766498224
Ccdc28b	31.0815	17.5955	1.766445966
Lrpprc	43.012	24.3585	1.765790176
Dnpep	15.6975	8.892	1.765350877
Gm6251	2.041	1.1565	1.764807609
2610029G23Rik	8.513	4.824	1.764718076
Agpat1	91.1655	51.6955	1.763509396
Shf	3.6405	2.065	1.762953995
Ntan1	74.334	42.187	1.762011994
Psmb2	192.524	109.2985	1.761451438
Dus11	9.4215	5.3505	1.760863471
Gm8430	108.4995	61.627	1.760583835
Pcdhb15	3.0295	1.7225	1.758780842
Cstf3	41.9135	23.834	1.758559201
Cul9	5.0065	2.848	1.757900281
Skp1a	256.533	145.985	1.757255882
St3gal5	49.9815	28.4465	1.757035136
Cacna1a	14.085	8.018	1.756672487
Ttc9b	17.3675	9.89	1.756066734
Acyp2	83.544	47.586	1.755642416
Gm5623	21.706	12.367	1.755154848
Mrps23	35.9705	20.502	1.754487367
Gsto1	32.5115	18.5335	1.754201851
LOC100503890	32.1955	18.355	1.754045219
Siah3	12.205	6.964	1.752584721
Fam175b	11.2635	6.427	1.752528396

Txndc17	75.063	42.8415	1.75210952
Pcdhga4	2.635	1.504	1.751994681
Ccdc72	321.734	183.7095	1.751319338
2310022A10Rik	16.679	9.528	1.750524769
Rps27a	112.387	64.2155	1.750153779
Oxtr	4.353	2.488	1.749598071
Abhd10	10.6865	6.1095	1.749161142
Abcc8	1.762	1.008	1.748015873
Nme3	59.6325	34.1205	1.747702994
Masp1	2.127	1.2175	1.747022587
Bmp3	3.0055	1.7205	1.746875908
Fam135b	11.075	6.343	1.746019234
1700106N22Rik	36.3585	20.842	1.744482295
Pcdh8	5.1435	2.9495	1.743854891
Zfp324	4.6755	2.6825	1.742963653
Cops6	192.4275	110.4025	1.742963248
Wdr6	58.086	33.3295	1.74278042
Tomm40	32.9495	18.9365	1.739999472
Emd	56.887	32.695	1.739929653
Abhd8	81.5575	46.8875	1.739429485
Gpaal	4.1255	2.372	1.739249578
Abhd12	69.615	40.0355	1.738831787
Atp5c1	300.521	172.8685	1.73843702
Thap4	26.284	15.1275	1.737497934
9230110C19Rik	12.915	7.4335	1.737404991
Ccl17	2.198	1.2655	1.7368629
Fxn	13.3665	7.6975	1.736472881
Fam134a	37.992	21.883	1.736142211
Resp18	434.7045	250.4155	1.73593288
Tubb3	242.6445	139.901	1.73440147
Rps17	860.5925	496.2165	1.734308513
Mrpl28	20.3145	11.7185	1.733540982
2810428I15Rik	83.8945	48.404	1.733214197
Pacrg	22.7135	13.111	1.732400275
Pfn1	389.6485	225.0855	1.731113288
Tmsb15b1	6.0915	3.5195	1.730785623
Dusp15	39.3715	22.752	1.730463256
Gnl3	12.0645	6.974	1.729925437
Bahd1	5.977	3.4565	1.729205844
Hdac5	57.1005	33.0255	1.72898215
2900006K08Rik	2.3125	1.3375	1.728971963
Bex4	64.257	37.166	1.728918904
Chchd4	85.191	49.285	1.728538095
Tagln3	240.0475	138.921	1.7279425
Usp39	11.297	6.5385	1.727766307
Rac3	24.206	14.01	1.727765882
AI462493	12.4925	7.2315	1.727511581
Fam122a	36.7995	21.3115	1.726743777
Fam192a	41.5855	24.0855	1.726578232
Taf11	56.2305	32.5765	1.726106242
Rab4a	69.174	40.0805	1.725876673
Vps18	8.0845	4.6895	1.723957778
Wdr18	23.7725	13.7895	1.723956634
Hras1	43.131	25.029	1.72324104
Gm3552	3.5935	2.0855	1.723087988

Fam195b	37.9715	22.037	1.723079367
Gm8526	5.257	3.051	1.723041626
Gnb2	34.805	20.2015	1.722891864
Cdkn2aipnl	35.147	20.403	1.722638828
Tbc1d7	32.491	18.8715	1.721696738
Dync1i1	28.7315	16.6905	1.721428357
Fkrp	31.117	18.089	1.720216706
Lysmd2	24.746	14.3855	1.720204372
Fam98b	36.334	21.136	1.719057532
Incenp	5.8265	3.392	1.71771816
Cacybp	119.6575	69.6795	1.717255434
Tcerg1l	20.3985	11.8855	1.716250894
Rragc	55.941	32.5985	1.716060555
Glrx	93.1945	54.3245	1.715515099
0610010K14Rik	40.8985	23.844	1.715253313
C230052I12Rik	12.6195	7.3575	1.715188583
B4galnt1	51.105	29.802	1.714817797
Opn3	2.6225	1.53	1.714052288
Rpl27a	191.9195	111.9945	1.713651117
Tmsb4x	1033.615	603.526	1.712627128
Gm10001	5.835	3.4105	1.710892831
Fam98c	12.5685	7.3485	1.710349051
Mapk8ip2	27.108	15.853	1.70996026
Aldh1b1	2.2085	1.292	1.709365325
Rundc3a	43.0715	25.2	1.709186508
Creld2	9.3345	5.4615	1.709145839
Pmm1	71.2715	41.701	1.709107695
Ufsp1	24.066	14.094	1.707535121
Ddx54	8.129	4.7645	1.706160143
Crem	5.4135	3.1735	1.705845281
Snrpb2	36.657	21.491	1.705690754
Pop7	24.375	14.2945	1.705201301
Fxyd7	41.57	24.401	1.703618704
Armc9	9.6635	5.679	1.701620004
Smarcd3	33.401	19.648	1.699969463
Txn2	65.9775	38.8585	1.697891066
Gprasp2	143.114	84.3225	1.697221975
Smyd5	14.807	8.7255	1.696980116
Pinx1	16.5275	9.746	1.695823928
Tmem151a	19.806	11.686	1.694848537
Kcnh6	2.7465	1.6205	1.694847269
Gipc1	14.166	8.3615	1.694193626
Rps16	378.7555	223.618	1.693761236
Sf3b4	63.4455	37.473	1.693099031
Gm3386	5.1805	3.0645	1.690487845
Rpl37a	740.0525	437.778	1.690474396
H2afz	1008.4405	596.783	1.68979428
Calm2	1814.7365	1074.833	1.688389266
Apeh	6.3285	3.749	1.688050147
Tmem97	4.6325	2.7445	1.687921297
Mrpl2	24.2225	14.3505	1.687920282
Mrps7	55.1705	32.689	1.687738995
Acp6	8.5245	5.051	1.687685607
Dpcd	68.3935	40.533	1.687353514
Ap2a1	34.4755	20.433	1.687246121

Thap11	14.002	8.3045	1.686073815
Gde1	46.198	27.425	1.684521422
Pdzrn4	9.666	5.744	1.682799443
Gm88	14.071	8.3635	1.682429605
Elmod1	106.207	63.15	1.681821061
BC037034	27.178	16.161	1.681702865
Rasgrp2	12.1855	7.2465	1.681570413
Osgepl1	11.779	7.0105	1.680193995
Slc29a2	4.8755	2.902	1.680048243
1110038F14Rik	12.354	7.3535	1.680016319
Tnfrsf12a	2.815	1.676	1.679594272
Susd1	2.385	1.4215	1.677805135
Cab39l	11.388	6.789	1.677419355
Fnta	64.5485	38.491	1.676976436
Mpv1712	9.766	5.824	1.676854396
Tctn2	6.295	3.757	1.675538994
Stk19	13.9755	8.3415	1.67541809
Clns1a	94.248	56.272	1.674864942
2700062C07Rik	40.6585	24.281	1.674498579
Mrps15	111.757	66.7535	1.674174388
Grm7	9.6045	5.74	1.67325784
Tmem53	6.0535	3.618	1.673161968
Pik3r2	8.2625	4.9395	1.672740156
Rcl1	12.529	7.491	1.672540382
Hmga1	152.9905	91.481	1.672374591
Haghl	35.3635	21.155	1.671637911
Mrps35	16.0915	9.635	1.670108978
Ppih	20.7925	12.4585	1.668940884
Mbip	9.412	5.64	1.668794326
Sumo2	137.1645	82.2035	1.668596836
Tmem17	4.106	2.461	1.668427469
Mtmr14	6.3875	3.832	1.666884134
Cetn3	118.5795	71.208	1.665255308
Carkd	15.4625	9.287	1.664961775
Ifnar2	15.063	9.048	1.664787798
Tmem5	13.493	8.106	1.664569455
Dbn1d1	12.4555	7.484	1.664283805
Get4	29.5135	17.737	1.663951063
Ccdc71	22.0115	13.229	1.66388238
Rps2	280.5415	168.76	1.662369637
Acot13	198.19	119.2775	1.661587475
Bend5	9.484	5.7095	1.661091164
Nans	6.147	3.701	1.660902459
Stambpl1	24.9065	15.0015	1.660267307
Nudc	113.072	68.106	1.660235515
Ppp1ca	125.7295	75.7405	1.660003565
Clasrp	5.096	3.07	1.659934853
2310061I04Rik	78.929	47.5495	1.659933333
Clstn3	43.0265	25.9275	1.659492817
Zkscan14	5.7415	3.462	1.658434431
Rab40c	8.2045	4.949	1.657809659
Myl6	274.0135	165.2895	1.65777923
Cars2	5.834	3.5195	1.657621821
Sap18	74.075	44.7065	1.656917898
Spag7	63.2515	38.1795	1.656687489

Bscl2	44.211	26.692	1.656338978
Cntnap5a	9.2985	5.615	1.656010686
Grin1	125.161	75.58	1.65600688
2310030N02Rik	10.213	6.168	1.65580415
Gm5633	2.167	1.3095	1.654830088
Atp6v0b	117.699	71.152	1.654191028
Prr13	64.153	38.7875	1.653960683
Akr1a4	340.227	205.8285	1.652963511
Ccn11	13.5935	8.2245	1.652805642
1190007I07Rik	17.065	10.3285	1.652224428
Tubg1	33.196	20.0945	1.651994327
E2f4	14.8445	8.992	1.650856317
Bcas3	10.1425	6.145	1.650528885
Atg9a	24.9275	15.106	1.650172117
Upf1	14.222	8.6185	1.650171143
Prdx2	197.703	119.816	1.650055084
Samd14	16.3175	9.8905	1.64981548
Pmvk	51.3805	31.144	1.649772027
Dnajc4	22.9645	13.926	1.649037771
Pitpnm1	13.888	8.4315	1.647156496
Gtf2a2	45.215	27.4505	1.647146682
Snurf	13.0695	7.9385	1.646343768
Bri3	26.3185	15.9925	1.645677661
Pofut1	4.4395	2.7005	1.643954823
Rag1ap1	14.097	8.5805	1.642911252
Cnot8	16.6075	10.109	1.642843011
Ebp	3.2145	1.9575	1.642145594
Tmem90b	8.3705	5.1	1.64127451
Fzr1	17.042	10.388	1.640546785
Rps25	743.597	453.373	1.640143987
1500011H22Rik	107.848	65.767	1.639849773
Armc10	15.1255	9.2365	1.63757917
Tmem198	4.282	2.615	1.637476099
Cxx1a	44.9125	27.4375	1.63690205
Med10	20.709	12.663	1.635394456
2700060E02Rik	55.3365	33.8375	1.635360177
Pigx	8.987	5.4975	1.634743065
Tssc4	14.6275	8.9515	1.634083673
Top3b	8.9215	5.461	1.633675151
Gm8894	16.1305	9.8745	1.633551066
Rfc3	9.211	5.64	1.633156028
Fastk	21.9055	13.4185	1.632485002
Trpm4	1.8585	1.1385	1.632411067
2810422O20Rik	4.121	2.527	1.630787495
Samd1	7.6675	4.7025	1.630515683
Gltpd1	11.6	7.115	1.630358398
Phf1	30.847	18.927	1.629788133
Mdh1	577.9295	354.6965	1.629363414
Wdyhv1	18.6445	11.4495	1.628411721
Zfp523	14.886	9.142	1.628308904
Ormdl1	3.9655	2.4355	1.62820776
Lym5	13.4285	8.2535	1.627006724
Cdc16	24.823	15.2625	1.626404586
Tbcb	137.4745	84.5645	1.625676259
Fam131a	19.367	11.92	1.624748322



Edf1	584.609	359.8475	1.624602088
Mcee	31.768	19.555	1.624546152
2410004B18Rik	18.6285	11.47	1.624106364
Hbxip	73.0505	44.993	1.623597004
Leng1	4.4375	2.7335	1.623376623
Pomc	3.992	2.4595	1.623094125
Gtf2f2	7.062	4.351	1.623075155
Sumo3	63.6	39.192	1.622780159
Rab24	36.963	22.792	1.621753247
2810004N23Rik	36.984	22.81	1.621394125
Mrpl27	80.435	49.6445	1.620219763
Jmjd8	21.9355	13.539	1.620171357
Eif3b	18.9725	11.7105	1.620127236
Tsg101	30.7695	18.995	1.619873651
Pck2	5.5435	3.423	1.619485831
Imp4	30.162	18.6245	1.619479718
Stub1	49.294	30.4475	1.618983496
Fam5b	11.1485	6.888	1.618539489
Nfu1	70.786	43.7435	1.618206133
Dda1	43.13	26.659	1.617840129
Lym7	14.0925	8.7115	1.617689261
Bok	9.368	5.7945	1.616705497
Ptprz1	16.7855	10.386	1.616165993
Hsd17b12	10.8265	6.6995	1.616016121
Mtvr2	10.8835	6.7365	1.615601574
rp9	25.317	15.677	1.614913568
Alg5	14.1715	8.7795	1.614157982
Hspa14	12.242	7.5875	1.613443163
Fam162a	46.884	29.0585	1.613434967
Kri1	14.9155	9.2505	1.61239933
Cdk2ap2	11.452	7.103	1.612276503
Rgl2	1.8185	1.128	1.61214539
Chst12	7.434	4.6115	1.612056814
2310079N02Rik	11.9215	7.3975	1.611557959
Urm1	10.2365	6.3535	1.611159204
Utp20	3.3795	2.098	1.610819828
Usp10	37.2285	23.113	1.610716913
Sirt5	9.934	6.1715	1.609657296
Meig1	2.8265	1.756	1.609624146
D10Jhu81e	13.5445	8.417	1.609183795
Tmem59	76.8445	47.7895	1.60797874
Rap1gap	33.4245	20.7925	1.607526752
Armcx6	5.8735	3.655	1.606976744
Cyb5r4	7.6225	4.7435	1.606935807
Wdr89	13.5545	8.4365	1.606649677
D1Bwg0212e	12.0605	7.508	1.606353223
Cul2	14.8175	9.2255	1.606146008
Lhpp	7.1255	4.4385	1.605384702
Supt4h1	138.8505	86.5575	1.604141755
Gm3362	6.217	3.876	1.603973168
Timm8a1	13.4135	8.3665	1.603239108
Phax	47.182	29.43	1.60319402
Ppm1m	24.14	15.06	1.602921647
Psmal	60.424	37.698	1.602843652
Fuca1	19.7495	12.322	1.602783639

Jakmip1	20.1385	12.5655	1.602681947
Rcan1	51.336	32.034	1.602547294
Deb1	100.7815	62.8895	1.602517113
1810043G02Rik	16.433	10.2555	1.602359709
Tle1	7.7695	4.8495	1.60212393
Pigyl	37.9675	23.7	1.602004219
Wdr74	41.277	25.7665	1.60196379
Prim2	9.5775	5.9815	1.601186993
Med21	64.2655	40.147	1.600754726
Tspan7	209.477	130.9495	1.599677738
Pdrg1	69.3845	43.3925	1.598997523
Tm2d2	35.0675	21.934	1.598773594
Caly	115.774	72.418	1.598690933
Fam20c	8.4715	5.3015	1.597943978
Mettl8	7.9465	4.973	1.597928816
Rims4	3.179	1.9895	1.597888917
Ufsp2	26.0955	16.335	1.597520661
Mettl1	5.0825	3.1825	1.597014925
Nme6	8.4555	5.295	1.596883853
Klc2	58.1185	36.3975	1.596771756
Slc39a7	19.345	12.131	1.5946748
Tbc1d25	10.4805	6.576	1.59375
Gm6988	2.854	1.7915	1.593078426
Phf5a	34.3045	21.545	1.592225574
Higd1a	74.9685	47.086	1.592161152
Zfp213	1.896	1.191	1.591939547
Tfpt	25.493	16.0145	1.591869868
Gap43	1380.721	867.6385	1.591355155
Nr2f1	7.8075	4.9065	1.591256496
Plk1s1	16.003	10.0575	1.591150882
Mthfsd	4.754	2.989	1.590498494
Dcps	12.6015	7.9235	1.590395658
Pycl	12.325	7.75	1.590322581
Zfp622	16.302	10.251	1.590283875
Pma5	132.9445	83.602	1.590207172
Prpf19	125.458	78.907	1.58994766
Ttc30a1	3.9055	2.4565	1.589863627
C1galt1c1	11.44	7.2025	1.588337383
Pldn	16.8505	10.611	1.588021864
Tmem59l	114.613	72.2035	1.587360724
Tmem159	8.709	5.487	1.587206124
Sf3b3	19.7775	12.4665	1.586451691
Ftsjd1	2.328	1.468	1.585831063
Ndufb9	173.7215	109.552	1.585744669
Tmem62	4.56	2.876	1.585535466
Rnf112	24.815	15.6535	1.58526847
Nubpl	4.7005	2.966	1.584794336
Hap1	138.108	87.1515	1.584688732
Lcmt1	62.1475	39.227	1.584304178
Rgs9	12.667	7.996	1.584167084
Atp6v1g1	126.7275	80.013	1.583836377
Exosc6	6.9115	4.364	1.583753437
Hn1	50.404	31.847	1.582692247
Zfp688	4.428	2.7995	1.581711102
Tmem126b	33.7735	21.3615	1.581045339

Thap1	8.0925	5.1195	1.580720774
Hax1	73.5605	46.541	1.580552631
Gm10086	7.733	4.8945	1.579936664
Camk2n2	144.4645	91.5215	1.578476096
Mettl6	17.288	10.9545	1.578164225
Zfp414	105.7955	67.0545	1.577753917
Rassf5	18.256	11.5765	1.576987863
Gstm4	6.5455	4.152	1.576469171
Parl	25.403	16.1145	1.576406342
LOC100503185	2.0635	1.309	1.576394194
Ctps	15.9935	10.146	1.576335502
Pom121	44.834	28.442	1.576330778
Trappc2	23.267	14.764	1.575927933
Unc45a	5.02	3.1865	1.575396203
Nppc	5.111	3.2475	1.57382602
Gm5528	5.9675	3.792	1.573707806
Etfb	72.0165	45.7635	1.573666787
Hbs1l	27.77	17.6485	1.57350483
Krt1	26.9435	17.128	1.573067492
Vps4a	48.853	31.0575	1.572985591
Aes	124.989	79.4885	1.572416136
Mapkapk5	9.389	5.9745	1.57151226
Ikbkap	11.996	7.6335	1.571494072
Polr2e	44.49	28.3155	1.571224241
Glt1d1	4.428	2.8185	1.57104843
Fam100b	14.526	9.2465	1.570972801
Zfp13	5.096	3.246	1.569932224
Gm7866	9.905	6.3155	1.56836355
Fasn	29.085	18.554	1.567586504
Tceal3	126.045	80.4095	1.567538661
Thoc3	26.94	17.19	1.567190227
Lsm2	54.9125	35.076	1.565529137
Rplp1	711.495	454.4855	1.565495489
Trim28	49.8375	31.837	1.565395609
Kdelr1	23.71	15.155	1.564500165
Paqr4	14.1775	9.0685	1.563378729
Dtnb	19.9465	12.761	1.563082831
Vwa5b2	9.249	5.9175	1.562991128
2210016L21Rik	185.798	118.896	1.562693446
Tmem14a	21.032	13.4665	1.561801507
Dyrk3	3.6835	2.3585	1.561797753
Polr1d	158.5635	101.547	1.561478921
1700020C11Rik	55.583	35.5995	1.561342154
LOC100503815	25.5285	16.3565	1.560755663
Myg1	29.539	18.9265	1.560721739
Ahsa1	97.435	62.4475	1.560270627
5730494M16Rik	31.082	19.9235	1.560067257
Snape5	23.763	15.2345	1.559814894
Cfdp1	160.3625	102.8245	1.55957481
2310016C08Rik	4.6365	2.973	1.559535822
Deaf121l	17.561	11.2615	1.559383741
Dnttip1	15.4705	9.9225	1.559133283
Gm14176	8.0725	5.1785	1.558849088
Flii	30.6615	19.6915	1.557093162
Esrra	4.4145	2.836	1.556593794

Clcn6	32.0925	20.619	1.556452786
6330403K07Rik	1242.2925	799.239	1.554344195
LOC100503409	12.274	7.897	1.554261112
Rnps1	170.7985	109.9195	1.553850773
Tnfrsf19	2.068	1.331	1.553719008
Fam69b	31.0745	20.0215	1.552056539
Adcy2	13.152	8.4745	1.551949968
Pcyox11	4.5665	2.943	1.551647978
Cyc1	194.663	125.4775	1.551377737
Tekt2	4.2075	2.7135	1.550580431
Tmbim4	30.934	19.9545	1.550226766
AW551984	39.4185	25.4465	1.549073546
Hs3st2	4.665	3.013	1.54829074
Txnrd2	4.076	2.634	1.54745634
Tceal5	136.5885	88.267	1.547446951
Nup107	6.029	3.897	1.547087503
Ssr2	35.4965	22.952	1.546553677
Ntn4	1.8505	1.197	1.545948204
Ethe1	24.178	15.6435	1.545562055
Gls2	5.3205	3.4425	1.545533769
Hbq1	1.662	1.0755	1.545327755
Bod1	102.7725	66.5505	1.544278405
Adam15	13.5755	8.7955	1.543459724
Pcdhgb4	1.645	1.066	1.54315197
Slc25a14	33.2345	21.5465	1.542454691
Chmp2b	26.793	17.372	1.542309464
Drg2	27.6365	17.9195	1.542258434
Eif3d	58.181	37.7255	1.542219454
Pcyt2	11.986	7.7745	1.541706862
Gm16379	2.432	1.578	1.541191382
Chrna7	7.729	5.0165	1.540715638
Spsb2	2.719	1.765	1.540509915
Magee1	72.225	46.8935	1.540192138
Csmd1	4.3055	2.796	1.539878398
Rbx1	130.8335	84.9695	1.539770153
Zbtb8os	16.3725	10.635	1.539492243
Dhx9	22.638	14.707	1.539267016
Ints7	4.5825	2.9785	1.538526104
Rpl24	725.855	471.835	1.538366166
Rnf19b	26.511	17.2345	1.538251762
Pgbd1	1.882	1.224	1.537581699
Zswim1	20.76	13.513	1.536298379
Gm15450	259.3375	168.8605	1.535809144
Sec11c	33.8935	22.0735	1.535483725
Tro	40.1175	26.1365	1.534922426
Nup62-il4i1	3.139	2.0455	1.53458812
Fam40b	2.99	1.9485	1.534513729
Pqlc1	5.1055	3.3275	1.534335086
Iqsec2	10.9075	7.109	1.53432269
Gnb5	41.459	27.023	1.534211598
Lta4h	16.667	10.864	1.534149485
Evpl	2.8025	1.827	1.533935413
Gsbs	3.327	2.1695	1.533533072
Atp5sl	22.0335	14.3705	1.53324519
Fbxo16	13.103	8.5475	1.532962855

Gm7429	2.4035	1.5685	1.532355754
Hdac6	6.993	4.569	1.530531845
6430527G18Rik	13.1795	8.6135	1.530098102
Aph1a	3.251	2.125	1.529882353
Psmb10	48.685	31.829	1.529579943
Spryd3	54.0435	35.3365	1.52939595
Zfp422-rs1	5.079	3.323	1.528438158
Usp21	20.8325	13.637	1.527645377
Tctex1d2	43.7405	28.637	1.527412089
Maged1	595.0535	389.667	1.527082098
Rpl8	329.6675	215.939	1.526669569
Mllt1	9.553	6.258	1.526526047
Tmem9	59.492	38.977	1.526336044
Fkbp8	105.5075	69.1305	1.52620768
Prkrip1	30.594	20.0485	1.525999451
Nkg7	4.6145	3.024	1.525958995
Vta1	37.7275	24.7315	1.525483695
Wbp5	101.8665	66.782	1.52535863
Tsen15	16.2985	10.6865	1.525148552
Slc1a6	4.422	2.9	1.524827586
1500009C09Rik	87.58	57.4425	1.52465509
Zfp358	11.7135	7.686	1.524004684
Ccdc101	19.4145	12.7415	1.523721697
Meis3	26.921	17.669	1.523628955
Rpl36a	331.877	217.8225	1.523612115
Mtch2	27.605	18.119	1.523538827
Slc45a1	17.22	11.303	1.523489339
Bad	22.773	14.9505	1.523226648
Hdac3	24.345	15.9935	1.522180886
3110002H16Rik	15.065	9.9035	1.521179381
Hspa9	60.535	39.7985	1.521037225
0610007P14Rik	56.566	37.2085	1.52024403
6720456B07Rik	127.5525	83.9625	1.519160339
Rpl18	369.0465	242.9735	1.518875515
Gm8210	14.8655	9.792	1.518127042
Slc8a2	9.983	6.576	1.518096107
AI118078	1.578	1.0395	1.518037518
Cd83	22.4685	14.8065	1.517475433
Gpr63	1.96	1.292	1.517027864
3110082D06Rik	1.9235	1.268	1.516955836
Btg1	8.688	5.73	1.516230366
Hspa11	3.582	2.3635	1.515548974
Fry	28.7485	18.972	1.515312039
Magee2	65.537	43.264	1.514816013
Chmp5	88.874	58.729	1.513289857
Paip2	170.7485	112.837	1.513231475
Mrps11	20.468	13.5275	1.513065977
Aen	18.5935	12.2895	1.512958216
Alg1	2.025	1.3385	1.512887561
Brms1	10.8445	7.1685	1.512799051
Ubb	1700.11	1123.872	1.512725648
Snrnp200	27.9005	18.4485	1.512345177
Vdac3	166.4475	110.072	1.512169307
2310003L22Rik	23.936	15.832	1.511874684
Srprb	10.9925	7.272	1.511619912

Hn11	8.1415	5.386	1.511604159
Med9	27.2125	18.0145	1.510588692
Zdhhc8	12.861	8.5145	1.510482119
Cdc42	108.286	71.7095	1.510064915
Mrps26	39.0695	25.8845	1.509378199
Pdss2	8.778	5.8185	1.508636246
Rsl1d1	105.1445	69.7155	1.508194017
Gm10073	96.02	63.692	1.507567669
Kcnq5	7.1485	4.742	1.507486293
Rps13	474.281	314.6465	1.507345545
Pigp	33.0295	21.9145	1.50719843
Eif4g1	39.627	26.305	1.506443642
Eid2	24.0065	15.9365	1.506384714
Aurkaip1	149.279	99.125	1.505967213
Pla2g12a	13.457	8.9455	1.504331787
Nmd3	13.2355	8.7985	1.504290504
Ppp1r8	37.091	24.658	1.504217698
Mrps14	48.5115	32.2555	1.503976066
Chmp2a	108.6455	72.2805	1.503109414
Klhl22	36.174	24.0665	1.503085201
Polh	2.094	1.3935	1.502691066
Lmna	5.9105	3.9335	1.502605822
Rasgrf1	297.604	198.1395	1.501992283
Alg14	10.2155	6.8025	1.501727306
Galk2	9.628	6.413	1.501325433
Lpcat3	5.7385	3.823	1.501046299
Nsmce1	14.0085	9.3335	1.500883913
Chic2	8.377	5.584	1.500179083
Gstm5	137.5375	91.704	1.499798264
Edc4	6.7855	4.526	1.49922669
Gdf1	14.4635	9.648	1.499118988
Psm10	27.479	18.3305	1.499086222
Phyh	71.771	47.9185	1.497772259
Agk	15.485	10.342	1.497292593
Chrm1	2.938	1.9625	1.497070064
Tmem41a	22.613	15.1055	1.497004402
Brsk1	20.567	13.739	1.496979402
Tbc1d22a	5.673	3.79	1.496833773
Gtf2h5	58.764	39.268	1.496485688
Mad2l2	22.1495	14.805	1.496082405
Ctxn1	298.854	199.848	1.495406509
Vps11	21.71	14.518	1.495385039
Prmt2	89.1465	59.6185	1.495282505
Arl10	32.971	22.065	1.494266939
Ankdd1b	4.0505	2.711	1.494098119
Peci	26.8095	17.944	1.494064868
Scaf1	20.8385	13.95	1.493799283
Meis1	3.0605	2.049	1.493655442
Sarnp	25.1875	16.866	1.493389067
Fam108a	14.946	10.0125	1.492734082
Ube2j2	11.4305	7.6575	1.492719556
Dus3l	23.2175	15.555	1.492606879
Jrk	2.965	1.9865	1.49257488
Pelo	10.8845	7.2955	1.491947091
1700066J24Rik	145.4475	97.5045	1.491700383

Chmp1a	18.903	12.688	1.489832913
Ccdc59	50.286	33.753	1.489823127
Pno1	6.618	4.4435	1.48936649
Rplp0	82.451	55.3675	1.489158803
Uqcc	17.5985	11.8195	1.488937772
MsrB2	8.3025	5.579	1.488169923
Ddx18	22.1705	14.9005	1.487903091
Ppp2ca	94.248	63.3505	1.487723065
Zc3h15	62.0075	41.687	1.487454122
Atp6v0e2	103.2915	69.4695	1.486861141
Tmem85	126.043	84.7815	1.486680467
3010026O09Rik	44.253	29.777	1.486147026
Il15ra	2.2965	1.5455	1.485926885
Xpnpep1	16.2285	10.9245	1.485514211
Eif3m	64.922	43.707	1.485391356
Gm5445	1.677	1.129	1.485385297
Tjap1	2.0455	1.3785	1.483859267
Tmem22	9.2895	6.2605	1.48382717
Eef1e1	25.841	17.4225	1.483197015
Cdk12	17.518	11.82	1.482064298
PsmB7	178.6495	120.555	1.481892082
H47	23.532	15.883	1.481584084
Klhl34	5.7715	3.896	1.48139117
Cib2	41.0285	27.709	1.480692194
1110034G24Rik	2.918	1.971	1.480466768
Trim8	32.8865	22.215	1.480373621
Cetn4	5.1865	3.504	1.480165525
Mllt11	226.8925	153.29	1.480151999
Mrp117	16.224	10.9615	1.480089404
Bloc1s1	146.0525	98.6945	1.479844368
Cant1	10.8505	7.335	1.479277437
Nckap5l	2.433	1.645	1.479027356
Phka2	5.106	3.4535	1.478500072
Cspg5	22.3545	15.12	1.478472222
Rsl24d1	75.6555	51.1825	1.478151712
Gm10146	83.8365	56.723	1.477998343
3230401D17Rik	9.581	6.4825	1.477979175
Bex2	829.5795	561.3945	1.477712197
Dctn5	102.1915	69.1595	1.477620573
IscA1	120.694	81.6855	1.477544974
Lsm3	25.7705	17.4435	1.477369794
Atp6v1e1	184.166	124.668	1.47725158
Kcns2	1.746	1.182	1.47715736
Mrps18b	20.4025	13.8185	1.476462713
Nat15	40.5535	27.467	1.476444461
Necab3	40.0335	27.118	1.476270374
Stx8	6.2675	4.246	1.476095148
Eif2ak4	4.8275	3.271	1.475848364
Gpr3	6.144	4.1635	1.475681518
Rnf34	45.428	30.787	1.475557865
Lztr1	25.5905	17.3515	1.474829265
Tubg2	44.545	30.205	1.474755835
Cops8	45.093	30.5855	1.47432607
Ctr9	11.816	8.015	1.474235808
Polk	7.3775	5.0045	1.474173244

Eif3i	159.3475	108.1395	1.473536497
Bzw2	11.3805	7.7235	1.473489998
Tor1a	16.267	11.044	1.472926476
LOC100504639	5.2375	3.556	1.472862767
Sorcs1	9.2215	6.2645	1.472024902
Atg13	49.1825	33.4115	1.472023106
Schip1	83.886	57.003	1.471606758
Gdap111	33.7795	22.962	1.471104433
2700050L05Rik	6.701	4.556	1.470807726
Rara	12.456	8.469	1.47077577
Hmgn4	9.673	6.577	1.470731336
Immt	61.439	41.795	1.470008374
Dmp1	2.764	1.8805	1.469821856
Zfp672	8.169	5.562	1.468716289
Nt5c	51.4875	35.0625	1.468449198
Msl3	6.031	4.109	1.467753711
Kdm4b	3.894	2.6535	1.46749576
Dmrtb1	3.2345	2.2045	1.467226128
Fbl	64.0545	43.6595	1.467137736
Tmem87a	8.7295	5.9505	1.467019578
Abcb8	18.0585	12.31	1.466978067
Psma3	101.6925	69.3735	1.465869532
Sub1	113.4975	77.466	1.465126636
Apc2	9.8115	6.697	1.465058982
LOC100502777	2.369	1.617	1.465058751
Exosc4	18.665	12.7425	1.464783206
Cln5	9.558	6.5265	1.464490922
Grp	5.7945	3.957	1.464366945
Mrp115	13.0455	8.909	1.464305758
Naa20	25.15	17.178	1.464081965
Pth2	11.197	7.652	1.463277574
Mis12	8.935	6.1075	1.462955383
Gm4769	4.026	2.7525	1.4626703
Ost4	272.846	186.545	1.46262832
Taf6l	5.3245	3.6405	1.462573822
Slit2	8.2025	5.6085	1.462512258
Ar	17.5355	11.9915	1.462327482
Tmem70	23.7065	16.221	1.4614697
Fahd1	23.3765	15.996	1.461396599
BC068281	8.658	5.927	1.460772735
Gpc4	5.8035	3.973	1.460734961
Snx2	50.4345	34.527	1.460726388
Akl	23.4745	16.079	1.459947758
Plxdc1	4.7715	3.2685	1.459843965
Mll3	17.97	12.315	1.459196102
Cabin1	8.9755	6.1525	1.458837871
Gpr12	14.074	9.6475	1.458823529
Trfr2	2.5985	1.7815	1.458602301
Bccip	55.883	38.314	1.458553009
Ldb1	40.4975	27.7725	1.458187056
Pde1b	33.4095	22.92	1.457657068
Mcts1	23.2775	15.971	1.457485442
Gucy1b3	25.525	17.5165	1.4571975
Tspan13	51.153	35.115	1.456727894
Htatsf1	45.6715	31.353	1.45668676



Rrp8	5.151	3.5365	1.456524813
Vrk1	9.3845	6.4435	1.456428959
Efhd2	125.5805	86.2325	1.456301279
Snrpn	1157.3745	794.745	1.456284091
Tmem9b	40.609	27.895	1.455780606
Acbd6	30.4945	20.9515	1.455480515
Ddx23	35.3675	24.308	1.454973671
Grpel1	15.7585	10.831	1.454944142
Qtrt1	11.7665	8.0895	1.454539836
Atp6v0a2	11.5575	7.9475	1.45423089
Slc25a39	38.9435	26.8145	1.452329896
Rps24	660.387	454.7535	1.452186734
Diablo	12.9785	8.941	1.451571413
Tut1	8.6585	5.9675	1.450942606
Tmem35	29.35	20.233	1.450600504
Dus4l	3.1025	2.139	1.450444133
Rnaseh2a	11.0315	7.6075	1.450082156
Cenpq	2.4135	1.665	1.44954955
Zcchc17	60.792	41.9395	1.449516566
Sema4g	8.2125	5.6735	1.447519168
Gm5151	5.698	3.9365	1.447478725
Ppp5c	46.9215	32.4185	1.447368015
Tusc3	53.5965	37.0445	1.446813967
Dnlz	12.169	8.4115	1.446709862
Epha10	12.2315	8.4555	1.446573236
Il1rap1l	3.8115	2.635	1.446489564
Hs3st5	3.481	2.407	1.446198587
Tubb2a	312.5125	216.093	1.446194463
C85492	21.489	14.8595	1.446145563
Gng10	27.5095	19.0375	1.445016415
Samd12	10.957	7.583	1.444942635
Gmpr2	11.552	7.996	1.444722361
Ing2	7.2085	4.9905	1.444444444
Rps18	298.015	206.4115	1.44379068
Creb3l2	5.9275	4.107	1.443267592
Mxra7	7.985	5.535	1.44263776
Entpd4	35.2255	24.424	1.442249427
Eif6	31.2755	21.69	1.441931766
Aifm1	8.665	6.011	1.441523873
Sumo1	128.253	89.0255	1.440632178
Sdhc	186.605	129.537	1.440553664
Atpaf1	49.2355	34.1795	1.440497959
0610031J06Rik	16.5325	11.477	1.440489675
BC049349	6.9225	4.8085	1.439638141
1110037F02Rik	5.897	4.0965	1.439521543
Pcdhga7	7.8355	5.4435	1.439423165
Cops7a	141.057	97.997	1.439401206
Dedd	15.5045	10.772	1.439333457
Ywhah	756.927	526.1185	1.438700597
Paqr9	21.14	14.699	1.438193074
Ccdc92	183.491	127.6055	1.437955261
Jund	13.291	9.245	1.437641969
Sybu	27.4155	19.0705	1.437586849
Ccdc53	16.906	11.7675	1.436668791
Pfkl	19.2925	13.4315	1.436362283

Tspan31	45.0125	31.345	1.436034455
Tbc1d17	10.511	7.3195	1.436027051
AI837181	44.3225	30.8725	1.435662807
Morf4l2	146.5825	102.1595	1.434839638
Gad1	86.4005	60.2225	1.434688032
Rfesd	7.794	5.434	1.43430254
Smyd2	57.925	40.397	1.433893606
Creb3	20.436	14.2545	1.433652531
Snx21	5.812	4.0545	1.433468985
Tfb2m	31.044	21.6585	1.433340259
S100a10	53.654	37.447	1.432798355
Jazf1	18.385	12.838	1.432076647
Gar1	31.2595	21.833	1.431754683
Spty2d1	10.7095	7.48	1.431751337
Drg1	39.557	27.6295	1.431694385
Tomm20	68.9955	48.2	1.431441909
Isca2	88.939	62.1505	1.431026299
Taf9	51.398	35.9535	1.429568749
Cebpb	1.5735	1.101	1.429155313
Tm9sf2	22.5455	15.776	1.429101166
Kctd2	41.2105	28.8375	1.429059384
Hist1h2ak	7.967	5.5765	1.428673899
Nfyc	18.5115	12.9575	1.428632066
Kctd13	96.829	67.794	1.428282739
Fam196a	28.916	20.259	1.427316255
Zbtb37	1.9595	1.373	1.427166788
Plec	4.4645	3.1285	1.427041713
Ckap5	29.7475	20.8615	1.425952113
Klhdc4	8.2955	5.821	1.42509878
Noc4l	7.5215	5.2785	1.424931325
Kenmb4	11.712	8.2195	1.424904191
Lym4	56.8585	39.9035	1.424900071
BC027344	5.395	3.7865	1.424798627
Odz2	26.986	18.9425	1.424627161
Copz1	63.0385	44.2515	1.42455058
Slc45a4	6.1455	4.3145	1.424382895
Uxs1	12.299	8.635	1.424319629
Ufc1	60.626	42.5665	1.424265561
Stox1	1.6055	1.1275	1.423946785
Sri	24.4565	17.1775	1.423752001
Fam126a	5.1785	3.638	1.423446949
Zdhhc6	7.0765	4.9725	1.4231272
Kcnq2	52.0405	36.5685	1.423096381
Slc33a1	5.1405	3.6125	1.422975779
Gm13213	1.7865	1.256	1.422372611
Ap3d1	29.727	20.9005	1.422310471
Sec22a	2.364	1.663	1.42152736
Cacna1b	12.2565	8.632	1.419891103
Rdh10	3.157	2.2235	1.419833596
Thsd7b	3.326	2.3435	1.419244719
Sin3b	29.604	20.862	1.419039402
Mrps25	11.5865	8.1665	1.418784057
2310067B10Rik	7.708	5.434	1.418476261
Ercc2	4.311	3.0415	1.417392734
Prc	20.575	14.517	1.417303851

Ralb	10.9945	7.758	1.417182263
Aqr	10.53	7.4315	1.416941398
Slitrk4	11.357	8.018	1.416438014
Sft2d1	22.711	16.037	1.416162624
Nme7	131.989	93.212	1.416008668
Adcy8	4.272	3.0185	1.415272486
Dmap1	26.805	18.946	1.414810514
Dis3	2.5645	1.813	1.414506343
Nkiras1	34.252	24.2275	1.413765349
A730017C20Rik	162.5595	115.007	1.413474832
AI480653	5.658	4.004	1.413086913
Spats1	4.2345	2.9975	1.412677231
Gfer	19.6565	13.9215	1.411952735
Map2k2	12.685	8.985	1.41179744
Junb	3.0985	2.195	1.411617312
Srf	10.0345	7.109	1.411520608
Dolk	5.378	3.8115	1.410993047
Fbxw4	4.1475	2.9395	1.410954244
ORF61	13.775	9.7705	1.4098562
Khdrbs3	36.3615	25.7955	1.409606327
Tmem130	152.606	108.296	1.409156386
Nup88	29.892	21.2155	1.408969857
Gm12508	2.093	1.4855	1.408953214
Rltpr	11.763	8.349	1.408911247
Obfc2b	184.8495	131.2305	1.408586419
Wbp2	217.273	154.263	1.408458282
Ass1	129.0915	91.6595	1.408381019
Prpf40b	14.109	10.019	1.408224374
Arl6ip1	158.738	112.7385	1.408019443
Dhodh	8.964	6.37	1.40722135
Atp6v1h	50.086	35.607	1.406633527
Faah	5.6615	4.025	1.406583851
Sema6c	2.1005	1.494	1.405957162
Hs6st1	10.7695	7.6605	1.405848182
Stx1a	11.5265	8.201	1.405499329
Znhit2-ps	13.8185	9.832	1.405461758
Aspscr1	15.482	11.0175	1.40521897
Cd320	6.1645	4.3895	1.404374075
Gadd45b	3.319	2.3635	1.404273323
Nudcd2	5.4695	3.896	1.40387577
Fads3	6.8155	4.855	1.403810505
Bai1	22.747	16.2075	1.40348604
Gm10020	128.7975	91.793	1.403129868
Asnsd1	10.2745	7.3235	1.402949409
Lrln3	8.27	5.8955	1.402764821
Papss1	35.4095	25.258	1.401912265
Rabif	26.044	18.578	1.401873183
Ddx47	48.651	34.7105	1.401621988
Irf2bp1	14.028	10.0085	1.401608633
2810453I06Rik	13.067	9.3245	1.401362003
Lbr	3.6925	2.6355	1.401062417
Tsen54	1.625	1.16	1.400862069
Cks1b	4.704	3.36	1.4
Igsf8	32.6225	23.304	1.399866976
Myh9	3.586	2.5625	1.399414634

Akt1	40.127	28.676	1.399323476
Gtf3c6	30.368	21.705	1.399124626
Mkrm2	21.821	15.598	1.398961405
Gm3550	2.385	1.705	1.398826979
Snx14	15.946	11.4	1.39877193
Ran	129.44	92.559	1.398459361
Ier3ip1	33.4825	23.9425	1.398454631
Pwp1	8.742	6.252	1.398272553
Slc25a30	2.885	2.0635	1.398110007
Nsmce4a	13.133	9.3945	1.397945606
Ccdc85b	11.2245	8.03	1.397820672
Pcbp3	37.7665	27.0295	1.397232653
Zfp428	12.5045	8.9495	1.397228895
Mfn2	54.2635	38.882	1.395594362
Mark4	24.3085	17.422	1.395276088
Mtg1	9.3815	6.724	1.395226056
Mthfr	2.405	1.7245	1.394607133
Gm3167	1.8375	1.318	1.394157815
Serpinf1	13.524	9.7015	1.394011235
Sec61a1	12.101	8.6815	1.393883545
Pgs1	13.0175	9.3395	1.393811232
Narf1	4.541	3.2585	1.393586006
1110004F10Rik	88.556	63.5805	1.39281698
Hddc2	37.5675	26.9825	1.3922913
Zfyve21	3.486	2.504	1.392172524
Nkrf	54.4415	39.121	1.391618312
Eftud2	18.2485	13.1245	1.390414873
Lonp1	10.6445	7.656	1.39034744
Kirrel	1.4075	1.0125	1.390123457
Med24	16.918	12.1715	1.389968369
Gtf2e1	4.3885	3.1575	1.3898654
Atp13a1	5.9135	4.255	1.389776733
Cplx1	315.3155	226.911	1.389599887
Hmgcl	14.197	10.217	1.389546834
Thns11	4.9965	3.596	1.389460512
Vwa5b1	3.6505	2.6275	1.389343482
Uhrf2	15.3865	11.075	1.389300226
Strn4	12.835	9.2405	1.388994102
Gm11836	3.728	2.684	1.388971684
Pou3f1	5.0275	3.622	1.388045279
Fam108c	15.2115	10.9635	1.387467506
Wdr24	2.844	2.0505	1.386978786
Trappc4	61.053	44.019	1.386969263
Synpr	16.293	11.7495	1.386697306
Pa2g4	64.8075	46.7375	1.38662744
Creb311	5.873	4.2355	1.386613151
Ubac2	7.3235	5.282	1.386501325
Sst	287.5195	207.44	1.386036926
Gabbr1	98.4685	71.049	1.385923799
Cope	88.1675	63.621	1.385823863
Polr3d	7.579	5.469	1.385810934
Gm4694	42.6505	30.7795	1.38567878
Mafk	5.249	3.789	1.385325944
Aard	7.4265	5.361	1.385282597
Mrpl47	31.9865	23.0915	1.385206678

Plk2	20.903	15.094	1.384854909
Morn2	28.0335	20.247	1.384575493
BC023829	11.0195	7.9615	1.384098474
Sugp2	10.905	7.879	1.384058891
Psmc13	20.9285	15.124	1.38379397
Pick1	18.5665	13.4175	1.383752562
Nrxn3	81.804	59.1355	1.383331501
Mrpl48	46.1365	33.359	1.383030067
D17Wsu104e	14.299	10.339	1.383015766
Gm129	6.367	4.606	1.382327399
5730437N04Rik	52.819	38.228	1.381683583
1110003E01Rik	61.509	44.518	1.381665843
Gaa	161.1235	116.6555	1.381190771
Serf2	22.2445	16.117	1.380188621
Pts	17.547	12.714	1.380132138
Dhdds	19.983	14.481	1.379946136
Vps25	39.9055	28.9185	1.379929803
1110032A13Rik	9.6565	6.9985	1.379795671
Ddx25	39.3955	28.5655	1.379128669
Nipsnap3b	9.778	7.0915	1.378833815
Grip2	5.7355	4.16	1.378725962
2310004I24Rik	4.89	3.548	1.378241263
Dctn6	148.6055	107.841	1.378005582
Mospd1	10.7745	7.8195	1.3779014
Enox1	8.815	6.3975	1.377881985
Tekt5	8.1375	5.906	1.377836099
Grpr	3.4775	2.524	1.377773376
Hace1	7.897	5.7325	1.377583951
Kifc3	6.26	4.5445	1.377489273
Hs6st2	19.2655	13.986	1.377484627
Dap3	18.357	13.3265	1.377480959
Hmbs	4.0875	2.9685	1.37695806
Ncbp2	56.1605	40.7915	1.37676967
Trappc6b	117.681	85.4925	1.376506711
Stamp	21.952	15.9505	1.376257798
Itgb1bp1	13.548	9.8445	1.376199909
Gbas	79.2565	57.5985	1.376016737
Araf	158.232	115.0085	1.375828743
Surf1	52.271	37.9945	1.375751754
Cabyr	3.4255	2.4905	1.375426621
Rbm42	23.939	17.406	1.375330346
Srp54b	3.166	2.302	1.375325804
Agpat6	11.33	8.239	1.375166889
Atp6ap2	26.0955	18.978	1.375039519
D130046C19Rik	5.4265	3.948	1.374493414
Srsf2	128.933	93.816	1.374317814
Cops5	119.473	87.03	1.372779501
Cbx7	23.004	16.758	1.372717508
Zfp777	6.0315	4.394	1.372667274
Glrx3	42.696	31.108	1.372508679
Coro7	11.6735	8.5075	1.372142227
1700066C05Rik	16.468	12.0065	1.371590389
Ptpru	5.168	3.768	1.371549894
Adra2a	6.004	4.3785	1.37124586
Vasn	1.56	1.138	1.370826011

Cotl1	17.7285	12.933	1.370795639
Med4	16.415	11.976	1.370657983
Snrpa	92.31	67.3725	1.370143605
Snrnp27	45.714	33.3765	1.369646308
Mbd3	21.477	15.6815	1.369575615
Mesdc1	7.473	5.457	1.369433755
Rtn1	1220.575	891.3715	1.369322443
Cog8	7.1555	5.2265	1.369080647
Sppl3	22.0305	16.0915	1.369076842
2310061C15Rik	14.0375	10.254	1.36897796
Stx18	10.1595	7.4225	1.368743685
Cltc	46.2015	33.774	1.367960561
Cthrc1	8.8	6.433	1.367946526
Tuba1a	883.144	646.1075	1.366868516
Psmc5	309.249	226.4055	1.36590763
Scand3	8.959	6.5605	1.365597134
Meaf6	91.8855	67.295	1.365413478
Ktn1	23.886	17.4965	1.365187323
9130401M01Rik	31.4575	23.0455	1.365017032
Cutc	3.867	2.833	1.364984116
Slc5a5	25.3865	18.601	1.364792215
Dcakd	49.262	36.1015	1.36454164
2310004N24Rik	25.331	18.5665	1.364338998
Uqcrcl	79.6315	58.3675	1.364312331
Ecell	23.9195	17.5345	1.364139268
Nit1	23.5135	17.238	1.364050354
Fam113b	12.066	8.847	1.363852153
Eif1ax	51.2705	37.5925	1.363849172
Ranbp2	8.0455	5.901	1.363412981
Ttl9	1.5385	1.1285	1.363314134
Rce1	3.38	2.4805	1.362628502
Mmadhc	45.5475	33.4325	1.362371943
Pebp1	561.742	412.371	1.362224793
Hk1	38.437	28.218	1.36214473
Parp6	31.854	23.387	1.362038739
Tyh3	26.8005	19.677	1.36202165
Zcchc4	2.8575	2.098	1.362011439
Pcsk4	2.9765	2.1855	1.361930908
Odz1	10.9345	8.032	1.361367032
Rnf10	30.5335	22.429	1.361340229
Eomes	1.4525	1.067	1.361293346
Mak16	23.1215	16.9925	1.360688539
Tmem209	6.165	4.533	1.360026473
Usp19	12.83	9.437	1.359542227
Btbd1	29.3325	21.577	1.359433656
Cd151	9.473	6.969	1.359305496
1110008L16Rik	9.912	7.292	1.359297861
Slc5a6	5.4905	4.0395	1.359202872
Ecsit	26.894	19.79	1.358969176
Tmem63c	11.1205	8.1875	1.358229008
Med16	13.751	10.125	1.358123457
Gm15501	13.5795	10.003	1.357542737
Snrpc	13.5515	9.988	1.356778134
Nptx2	3.0775	2.2685	1.356623319
Foxp4	24.217	17.851	1.356618677

Tubb2b	30.5295	22.506	1.356504932
Bhlhb9	12.7555	9.4045	1.356318784
Rnf8	11.379	8.3915	1.356015015
Phlda1	44.4975	32.8225	1.35570112
Stk30	9	6.639	1.355625847
Map3k7	18.615	13.7345	1.355346026
Stac	3.82	2.819	1.355090458
Cct4	49.3765	36.442	1.354933868
Bphl	13.827	10.2065	1.35472493
Them4	16.843	12.436	1.354374397
Prorsd1	4.505	3.3265	1.354276266
Actr8	43.4425	32.0785	1.354255966
Ano3	2.5855	1.9095	1.354019377
Phc2	13.6505	10.085	1.353544869
Srrm1	134.0615	99.0575	1.353370517
2810432D09Rik	19.4675	14.3845	1.353366471
Zfp598	10.4715	7.738	1.353256655
6330409N04Rik	28.4805	21.0535	1.352767948
Polr2a	22.455	16.6	1.352710843
Hddc3	16.3395	12.0815	1.352439681
Tsta3	5.816	4.3005	1.352400884
Vdac2	146.4075	108.272	1.35221941
Foxp2	13.1985	9.7625	1.351959027
Mks1	1.888	1.3965	1.351951307
Tecr	1269.3915	938.969	1.351899264
2700029M09Rik	36.7215	27.1755	1.351272286
Tmem87b	9.902	7.328	1.351255459
Rpp38	14.0775	10.4225	1.350683617
Mapk1ip1	28.242	20.922	1.349870949
Sh2d3c	19.511	14.454	1.349868549
Srp9	121.7465	90.1995	1.34974695
Rnf139	5.118	3.792	1.349683544
Xlr3b	1.5255	1.131	1.348806366
Flrt3	14.9155	11.06	1.348598553
Copg	119.9335	88.9475	1.348362798
1110012L19Rik	10.824	8.0295	1.348029143
Cdkn1a	25.0445	18.579	1.348000431
BC003965	26.728	19.828	1.347992738
Uqcr2	154.4935	114.6195	1.347881469
Nup155	3.926	2.9135	1.347520165
Zfp319	4.5895	3.406	1.347475044
Flywch2	18.5085	13.74	1.347052402
Elp2	30.041	22.3015	1.347039437
Mrps10	38.0735	28.268	1.346876327
Grpel2	4.769	3.541	1.346794691
Slc39a6	17.748	13.18	1.346585736
Gtpbp2	11.6545	8.656	1.346407116
Tmem180	17.5435	13.0305	1.346341276
Nck2	8.137	6.044	1.346293845
Cstf2t	16.7385	12.434	1.346187872
Sult2b1	2.831	2.103	1.346172135
Mrps22	28.119	20.891	1.34598631
Cherp	22.955	17.058	1.345702896
Hspa1a	2.6325	1.9575	1.344827586
Zfr2	16.332	12.1445	1.344806291

Zfp335	5.4675	4.068	1.344026549
Sh3bp5l	6.5205	4.853	1.343601896
Rhov	11.235	8.364	1.343256815
Gpc3	6.602	4.917	1.342688631
Mpg	10.3385	7.701	1.342487989
Zfp513	4.1835	3.1195	1.341080301
Cyb5r1	8.2295	6.1385	1.340636963
Thap7	4.8555	3.6235	1.34000276
Nefl	203.425	151.8845	1.339340091
Mospd3	43.1045	32.1865	1.339210539
Prkag2	11.6235	8.68	1.339112903
Wdr45l	15.898	11.8765	1.33860986
Dpp9	19.2075	14.3495	1.338548381
BC031781	9.6895	7.239	1.338513607
Dpm2	67.7485	50.631	1.338083388
Katna1	3.541	2.6465	1.337993576
Copb1	8.391	6.2715	1.337957426
Glce	11.9765	8.9525	1.337782742
Gabrq	13.0345	9.7465	1.33735187
Sphk2	12.9455	9.683	1.336930703
Gldn	4.26	3.1865	1.336890005
Svop	29.868	22.345	1.336674871
Traip	1.962	1.468	1.336512262
Pdcd10	24.7755	18.5395	1.336362901
Nestn	16.419	12.2935	1.335583845
Slc4a3	10.159	7.609	1.335129452
Ciapin1	9.255	6.9325	1.335016228
C030019I05Rik	13.6845	10.2535	1.334617448
N4bp2	5.8975	4.419	1.334577959
LOC100503659	196.7535	147.439	1.334473918
Mff	98.125	73.5365	1.334371367
Zfp623	6.6365	4.974	1.334238038
Tnrc18	8.27	6.199	1.334086143
Crls1	9.8315	7.37	1.333989145
Mdh2	477.1325	357.912	1.333100036
Gm10155	12.0925	9.072	1.332947531
Ube2i	121.965	91.503	1.332907118
Prr3	31.8005	23.8625	1.332655841
Tpst2	3.3825	2.539	1.332217408
Rps11	323.56	242.8805	1.332177758
Srrd	4.22	3.168	1.332070707
Actg1	348.8835	261.935	1.331946857
Rexo4	17.658	13.259	1.331774644
Alad	9.2605	6.954	1.331679609
Atp1a1	46.831	35.179	1.33122033
Atg4c	14.5005	10.894	1.331053791
Trub2	7.249	5.4465	1.330946479
Cnot2	33.5595	25.2175	1.330802022
Nipsnap1	28.1095	21.1225	1.330784708
Dusp3	44.911	33.749	1.330735726
1110051M20Rik	32.855	24.6915	1.330619849
Vamp2	1184.401	890.516	1.33001653
Nup62	42.089	31.646	1.329994312
Atg16l1	6.7555	5.0795	1.329953736
1810029B16Rik	16.0785	12.099	1.32891148



Habp4	137.8785	103.7585	1.328840529
Ncdn	239.572	180.368	1.328240043
Arl1	28.5405	21.492	1.327959241
Ftl2	3.864	2.9105	1.32760694
Ergic1	42.7425	32.1995	1.327427445
Rpl23	268.984	202.6475	1.327349215
Sert2	6.985	5.2625	1.327315914
B4galnt4	11.174	8.4195	1.327157195
Usp14	23.086	17.402	1.326629123
Gm9234	4.7075	3.5495	1.326243133
1810043H04Rik	20.954	15.802	1.326034679
Gm10163	96.135	72.549	1.325104412
Lmnb2	8.6985	6.5645	1.32508188
D2Wsu81e	7.921	5.98	1.32458194
2310044H10Rik	56.2105	42.445	1.324313818
Rogdi	119.008	89.868	1.324253349
Sv2c	27.041	20.4205	1.324208516
Daxx	15.4065	11.644	1.323127791
Slc22a17	125.3485	94.779	1.322534528
Farsb	60.86	46.0385	1.321937074
Klhl28	5.2375	3.9625	1.321766562
Cc2d1a	11.903	9.007	1.321527701
Pcgf1	24.876	18.824	1.321504462
Bop1	6.22	4.709	1.32087492
Clta	204.782	155.082	1.320475619
Mfsd3	1.534	1.1625	1.319569892
Poldip2	45.018	34.1185	1.319460117
Ptch1	28.911	21.9115	1.319444128
Adc	10.692	8.104	1.31934847
Fam54b	47.587	36.072	1.319222666
Psmc6	57.8545	43.864	1.31895176
Ufm1	8.967	6.8	1.318676471
Man2c1	2.769	2.1	1.318571429
Fxyd6	139.9305	106.123	1.318569019
Eif2b5	19.628	14.887	1.318465776
Rgs7	56.687	43.0045	1.318164378
Atp6v1g2	898.4635	681.711	1.317953649
Palm	30.725	23.3165	1.317736367
Tubb2c	192.927	146.4125	1.317694869
Tpi1	222.873	169.143	1.317660205
Numbl	18.963	14.3945	1.317378165
Lmtk3	5.1535	3.913	1.317020189
Atp13a2	14.808	11.245	1.316851934
Cfl1	717.325	544.8825	1.316476488
Ndel1	22.945	17.4295	1.316446255
Rbm39	83.272	63.267	1.316199599
Atp1a3	701.2845	532.8685	1.316055462
Pik3r4	9.1255	6.9425	1.314440043
Penxl2	5.266	4.0065	1.314364158
Eif3h	164.645	125.288	1.314132239
Rpl30	504.929	384.315	1.31384151
Ociad1	125.9045	95.835	1.313763239
Stx6	16.731	12.736	1.313677764
Rab15	70.8555	53.962	1.313062896
Rraga	133.0145	101.321	1.312802874

Nol6	35.772	27.2615	1.312180181
Ablim3	19.139	14.587	1.312058682
Arl15	7.1415	5.4455	1.311449821
Tmem60	61.5465	46.942	1.311117975
Rbmxt	33.35	25.4425	1.31079886
Mprip	26.9795	20.5875	1.31047966
Gtpbp5	4.18	3.19	1.310344828
H2-Ke2	46.221	35.276	1.310267604
Apex2	2.3335	1.781	1.310218978
Chpf2	4.6535	3.552	1.310106982
Cygb	89.568	68.3845	1.309770489
2610318N02Rik	2.818	2.152	1.309479554
Dvl3	28.6915	21.919	1.308978512
Fam40a	19.8165	15.142	1.30871087
Cckbr	5.3845	4.115	1.308505468
Hyou1	28.649	21.899	1.308233253
Zfp146	20.978	16.036	1.308181591
Tatdn1	7.4465	5.6925	1.308124726
Slc30a5	5.571	4.259	1.308053534
1110012J17Rik	7.019	5.366	1.30805069
Rfwd2	12.5055	9.566	1.307286222
Tmem55a	21.8925	16.755	1.306624888
Slc16a14	2.9695	2.273	1.306423229
Fcrlb	1.5315	1.1725	1.306183369
Olfm2	46.2145	35.3825	1.306140041
Llph	117.6645	90.102	1.30590331
Idh3g	194.693	149.109	1.305709246
Gfra1	13.985	10.714	1.305301475
Nol12	11.597	8.887	1.3049398
Asns	53.001	40.617	1.304896964
Pgrmc1	56.083	42.9865	1.304665418
Egfem1	1.3855	1.062	1.304613936
Dlk1	160.9265	123.3595	1.304532687
Syt6	14.174	10.871	1.303835894
Zdhhc23	2.1815	1.6735	1.303555423
Ppt2	5.5625	4.27	1.302693208
St8sia6	3.9165	3.0065	1.302677532
2510012J08Rik	6.4365	4.9415	1.302539715
Ilf2	44.079	33.8415	1.302513186
Cldn12	10.018	7.6935	1.302138169
Bend7	1.5495	1.19	1.30210084
1110032A03Rik	44.895	34.49	1.301681647
Rptor	13.7465	10.561	1.301628634
Fbxo44	52.1735	40.0835	1.301620367
Ret	2.7825	2.138	1.301449953
Phf23	13.6075	10.4625	1.300597372
Nceh1	31.886	24.5235	1.300222236
Epb4.9	86.534	66.565	1.299992489
D10Wsu52e	67.774	52.1375	1.299908895
Psm4	54.3075	41.7835	1.299735542
Aco1	6.659	5.1235	1.299697472
Abcf1	39.16	30.1495	1.298860678
Fam84a	15.1745	11.684	1.298741869
Zbtb48	1.976	1.5215	1.29871837
Hdac2	44.4025	34.1935	1.298565517

Phf12	36.391	28.026	1.298472847
Ppcs	5.7	4.39	1.298405467
Sntg1	13.982	10.7695	1.298296114
Syap1	15.9435	12.282	1.298119199
Mus81	2.123	1.636	1.297677262
Tipin	4.783	3.6865	1.297436593
Rps15	1093.637	843.0465	1.297243984
Bcl2l1	25.153	19.3905	1.29718161
Stmn1	632.122	487.548	1.296532854
Car7	1.3435	1.0365	1.296189098
Gm5620	52.69	40.661	1.295836305
Dolpp1	4.043	3.12	1.295833333
Lrfn5	15.0305	11.603	1.295397742
Rnf145	21.0165	16.225	1.295315871
Mgat1	7.69	5.937	1.29526697
Grik2	22.0855	17.0515	1.295223294
Brix1	8.813	6.8045	1.295172312
Osbp19	23.665	18.273	1.295080173
Adrm1	37.656	29.0765	1.295066463
Impdh1	7.402	5.7165	1.294848246
Ccl27a	261.87	202.252	1.29477088
Dennd4b	6.565	5.0715	1.29448881
Mcf2	7.5405	5.826	1.294284243
Mknk2	2.8135	2.174	1.294158234
Cntn5	1.4575	1.1265	1.293830448
4930444A02Rik	13.9855	10.8125	1.293456647
Fgfr1op	13.7865	10.659	1.293414016
Cdkal1	10.1965	7.8855	1.293069558
Trim41	7.842	6.0655	1.292885995
Mrfap1	500.7535	387.323	1.292857641
Dynll2	131.4395	101.6745	1.292747936
Prmt7	16.581	12.8315	1.292210576
Kcnj3	21.2065	16.4115	1.292173171
Ebf4	2.5565	1.9795	1.291487749
Nprl3	5.531	4.283	1.291384544
Cdc34	17.125	13.2635	1.291137332
Atp5a1	492.687	381.6585	1.290910592
Zmiz2	53.657	41.5825	1.290374557
Eprs	21.14	16.383	1.290361961
Pde2a	19.199	14.8795	1.290298733
Zmym3	27.015	20.9485	1.28959114
Mett1ld1	4.5075	3.4955	1.289515091
Slc25a11	67.1895	52.1185	1.289167954
Gm6341	6.7745	5.255	1.289153187
Nmt1	30.7915	23.8885	1.288967495
Ascc3	4.531	3.5155	1.288863604
Sgsm1	28.796	22.3565	1.288037036
Ing4	6.6855	5.1905	1.288026202
Timm17b	32.645	25.3455	1.287999842
1110021L09Rik	10.118	7.8565	1.287850824
C230096C10Rik	11.8875	9.2325	1.28757108
Otub1	182.288	141.5775	1.287549222
Sqstm1	141.9005	110.229	1.28732457
Hmgn2	65.0145	50.5085	1.287199184
Pex10	6.161	4.7875	1.28689295

1700003E16Rik	3.699	2.875	1.286608696
Katnb1	6.779	5.2695	1.286459816
E2f3	8.9105	6.928	1.286157621
Hexdc	3.178	2.471	1.28611898
Nol8	13.3665	10.394	1.285982297
Dtnbp1	34.1215	26.5465	1.285348351
Vapa	77.619	60.389	1.285316862
Mrpl18	88.807	69.1215	1.284795614
0610009D07Rik	30.9455	24.087	1.284738656
Lrrtm3	26.099	20.3185	1.284494426
Scamp4	21.6465	16.86	1.283896797
Cwc15	84.7305	66.021	1.283387104
Rps8	375.0065	292.2595	1.283128521
Slc25a29	2.0135	1.5695	1.282892641
Gm16517	38.4255	29.9715	1.282067965
Cobra1	15.7095	12.255	1.281884945
Pkig	12.143	9.4745	1.281650747
Fam118b	11.0625	8.632	1.281568582
Tubb5	187.031	145.94	1.281560915
Eif2s2	68.0895	53.1305	1.281552028
Rps20	230.6475	180.069	1.280883994
Prpf38a	12.576	9.821	1.280521332
Maea	49.6075	38.744	1.280391803
Gm5567	61.6675	48.1735	1.28011251
Gle1	10.807	8.4435	1.279919465
2900062L11Rik	47.847	37.3835	1.279896211
Ckb	545.71	426.46	1.279627632
Ndufa9	121.606	95.042	1.279497485
17Rn6	127.7195	99.828	1.27939556
Gripap1	20.2315	15.8145	1.279300642
Frg1	14.2955	11.177	1.279010468
1700049G17Rik	1.681	1.315	1.278326996
Lhfp15	10.929	8.5505	1.278170867
Herc2	13.0805	10.2385	1.277579724
AU040829	80.668	63.155	1.277301876
Timm50	9.6015	7.518	1.277134876
Wnt7b	1.337	1.047	1.276981853
Uba1	138.962	108.841	1.276743139
Srp54c	10.265	8.0445	1.276027099
Kars	40.818	31.995	1.275761838
Slco4c1	2.6465	2.075	1.275421687
Alox5ap	2.74	2.1485	1.275308355
Prkra	17.762	13.929	1.275181276
E130309F12Rik	5.1055	4.005	1.274781523
Fuz	8.646	6.7825	1.274751198
Ppp2r5b	16.8745	13.2375	1.274749764
L3mbtl3	7.394	5.8015	1.274497975
Zfp367	2.686	2.1075	1.274495848
D030016E14Rik	17.0095	13.347	1.274406234
Cdc26	44.0355	34.557	1.274285962
Acyp1	96.7125	75.9235	1.27381509
Necap1	132.9315	104.362	1.273753857
Rab33a	22.196	17.427	1.273655821
Eif3e	34.5895	27.16	1.273545655
Celf6	25.967	20.398	1.273016962

Aars	33.4535	26.28	1.272964231
Cys1	4.8665	3.823	1.272953178
Mrpl40	30.951	24.329	1.272185458
Sar1b	71.1895	55.9685	1.271956547
Igsf21	8.2625	6.4995	1.271251635
Rab8a	30.3945	23.912	1.271098193
Btbd6	22.111	17.3975	1.270929731
Actr3b	10.4285	8.2065	1.270760982
Islr2	9.0965	7.159	1.270638357
Tmsb15b1-Tmsb15b2	3.0345	2.3885	1.270462633
Cdh8	9.2595	7.29	1.270164609
Chpf	8.996	7.0845	1.269814384
Cct8	50.186	39.5235	1.269776209
Fbxo21	46.5505	36.6675	1.269530238
Podxl2	44.5125	35.0635	1.26948251
Prosc	20.2085	15.919	1.269457881
Pgam1	456.129	359.3535	1.269304459
Mpdz	5.063	3.9895	1.269081339
Alg3	10.6665	8.405	1.269066032
Vars2	1.6815	1.325	1.269056604
Kdm5b	14.5935	11.5005	1.268944828
Vat1	53.405	42.0915	1.268783484
Fbxo34	7.4115	5.842	1.268657994
Hspb6	41.5915	32.784	1.268652391
Msra	11.088	8.7405	1.268577313
Klhl25	2.1595	1.7025	1.268428781
Abce1	14.78	11.656	1.268016472
Rictor	10.1555	8.009	1.268010988
Arsa	3.389	2.673	1.267863823
Spryd4	3.2585	2.5705	1.267652208
Prps2	9.2585	7.3065	1.267159379
Pbx4	5.6345	4.449	1.266464374
Lrrc59	45.1045	35.62	1.26626895
1810037117Rik	37.799	29.855	1.266086083
Per2	6.636	5.243	1.265687583
Nle1	3.0855	2.438	1.265586546
Echs1	19.7705	15.622	1.265554987
Pank4	9.2845	7.338	1.265263014
Gm6807	1.784	1.4105	1.264799716
Galnt7	5.3285	4.213	1.264775694
Rab11b	140.454	111.051	1.264770241
Magoh	43.1595	34.125	1.264747253
Pfn2	102.208	80.83	1.26448101
Srsf5	353.3125	279.4185	1.264456362
Ephx4	2.013	1.592	1.264447236
Snupn	15.5725	12.322	1.263796462
Tmem106c	23.182	18.3505	1.263289829
Immp11	27.822	22.024	1.263258264
E2f6	27.136	21.4865	1.262932539
Aprt	24.8505	19.6795	1.262760741
Unc13a	25.414	20.1275	1.262650602
Ras110a	2.6445	2.0945	1.262592504
Lypd1	73.5525	58.2565	1.262562976
Pam	23.661	18.7405	1.262559697
Rnaseh2b	19.784	15.67	1.262539885

Ube2n	58.9495	46.703	1.262220842
Pdia6	17.833	14.129	1.26215585
1700029I01Rik	1.317	1.0435	1.262098706
Ccdc130	3.3995	2.694	1.261878248
Ache	25.9975	20.604	1.261769559
Cebpz	12.8615	10.194	1.261673533
Polr3gl	11.247	8.9165	1.261369371
Rpl7	141.878	112.4935	1.261210648
Tspan3	103.808	82.3335	1.260823359
Cops7b	11.8195	9.3745	1.26081391
Tmem50b	77.622	61.573	1.26064996
Hpcal1	79.93	63.416	1.260407468
Larp1b	6.003	4.7635	1.26020783
Rps5	329.087	261.1865	1.259969409
Rxb	8.5915	6.82	1.259750733
Gins3	1.4825	1.177	1.259558199
Fam50a	11.711	9.2995	1.259315017
Hiat1	4.781	3.799	1.258489076
Fam103a1	119.102	94.6755	1.258002334
Pkp2	3.516	2.796	1.25751073
St7	8.852	7.0395	1.257475673
BC031181	137.729	109.537	1.257374221
Gm765	2.1065	1.6755	1.257236646
Fbxo2	39.8465	31.6945	1.257205509
Txndc5	10.366	8.2455	1.257170578
Sh2b1	13.2205	10.517	1.257059998
Dom3z	3.36	2.673	1.25701459
Acvr2b	2.763	2.1985	1.256765977
Exosc8	11.385	9.059	1.256761232
Tpd52	26.2795	20.9105	1.256760957
Preb	16.488	13.121	1.256611539
Gm2095	23.5515	18.7445	1.256448558
Rims3	14.363	11.4325	1.256330636
Nfkbib	23.971	19.086	1.255946767
2810432L12Rik	11.6445	9.2715	1.25594564
Pcdhga6	2.0075	1.599	1.25547217
Ndn	149.814	119.365	1.255091526
Ldoc1	1.8035	1.437	1.255045233
Med8	10.781	8.5915	1.254844905
Med28	17.8825	14.2525	1.254692159
Unc5a	19.1945	15.2995	1.254583483
4921524J17Rik	6.2485	4.982	1.254215175
Xpa	24.5175	19.553	1.253899657
Tbc1d8	6.1655	4.918	1.253660024
Mier2	4.251	3.3915	1.253427687
Rps7	270.073	215.473	1.253396017
1810008A18Rik	9.3965	7.497	1.253368014
Rnf41	22.8175	18.205	1.25336446
Topbp1	3.8975	3.111	1.2528126
Rae1	17.1775	13.715	1.252460809
Sart3	12.899	10.304	1.251843944
Rangrf	16.6315	13.2865	1.251759305
Tmem63b	33.081	26.43	1.251645857
Ell3	5.793	4.6285	1.251593389
Ctf1	1.49	1.1905	1.251574969

Ptplad1	53.6485	42.87	1.251422906
Cox15	18.135	14.492	1.251380072
Rlf	5.115	4.088	1.251223092
C87436	7.7175	6.169	1.25101313
Ankle2	8.1445	6.5105	1.250979187
Bat4	9.2785	7.4195	1.250555967
Dlk2	7.942	6.3515	1.250413288
Dusp26	67.152	53.7135	1.2501885
Tbk1	14.737	11.792	1.24974559
Loh12cr1	10.7965	8.6425	1.249233439
Ube2a	20.278	16.233	1.249183761
Gm996	13.9515	11.1715	1.248847514
Msh6	6.1315	4.91	1.248778004
Mphosph6	12.301	9.8525	1.248515605
Trnau1ap	3.547	2.841	1.248504048
Flywch1	38.2125	30.607	1.248488908
Armxc2	15.3915	12.329	1.248398086
Psd	30.7365	24.6305	1.247904021
Hadha	23.4745	18.8145	1.24768131
Zdhhc22	18.3115	14.682	1.247207465
Ppp6r2	18.688	14.9895	1.246739384
Anapc10	7.717	6.1915	1.246386175
Dhx36	8.8485	7.1015	1.246004365
Rfxap	17.532	14.0725	1.245834074
1110004E09Rik	62.4665	50.1425	1.245779528
Sigmar1	13.002	10.4395	1.245461947
Rnf187	132.0175	106.029	1.245107471
Tubgcp3	18.947	15.2215	1.244752488
Aldh4a1	3.0885	2.4815	1.244610115
Spnb4	2.9575	2.377	1.244215398
Zfp639	14.363	11.5465	1.243926731
Ipo4	21.7525	17.494	1.243426318
Pdf	16.684	13.419	1.243311722
Stt3b	8.687	6.9885	1.243042141
Gcsh	54.9235	44.191	1.242866194
Tdrd7	12.3235	9.917	1.242664112
Stk16	22.687	18.269	1.241830423
Kbtbd4	17.038	13.7215	1.24170098
Sorcs3	7.5875	6.111	1.241613484
Tbrg1	24.518	19.754	1.241166346
Cenpt	7.0355	5.669	1.241047804
Lass1	8.756	7.058	1.240578067
Oxa11	38.207	30.811	1.24004414
Map11c3b	152.107	122.6805	1.239862896
Atic	21.694	17.5	1.239657143
Tap1	4.972	4.011	1.239591124
Cbara1	17.4575	14.0835	1.239571129
Tsr2	18.992	15.322	1.239524866
Zdhhc16	4.4485	3.589	1.23948175
Dnajc9	24.3055	19.616	1.239065049
6330406I15Rik	3.9245	3.1675	1.23898974
Setd3	76.1895	61.523	1.238390521
Rem2	1.914	1.546	1.238033635
Nol7	32.3485	26.1325	1.237864728
Nprl2	17.9495	14.504	1.237555157

Plekhj1	10.558	8.533	1.237313958
Eif4a1	168.043	135.841	1.237056559
Esd	69.5425	56.22	1.236970829
Rpl15	196.8125	159.14	1.236725525
Camk1	15.946	12.8945	1.236651285
F8a	4.5315	3.6645	1.236594351
Pak1ip1	18.29	14.7935	1.236353804
Trappc1	100.937	81.6455	1.23628369
Zfp295	7.5045	6.072	1.235918972
1110034B05Rik	6.3415	5.1315	1.235798499
Scamp3	54.8935	44.42	1.235783431
Arhgap6	16.7255	13.544	1.234901063
Arhgap36	39.0985	31.6625	1.234851954
Cnga4	1.2675	1.0265	1.234778373
Yeats4	36.939	29.916	1.234757321
Abcd3	16.5265	13.3845	1.23474915
Ttc30b	4.478	3.627	1.23462917
Vwc21	6.794	5.5035	1.234487145
Hectd1	13.165	10.668	1.234064492
Atn1	120.2315	97.431	1.234016894
Naa35	25.8335	20.9375	1.233838806
Rab42-ps	1.88	1.524	1.233595801
Glp1r	10.174	8.2475	1.233585935
Pcdhga5	6.392	5.182	1.233500579
Basp1	389.604	315.9235	1.2332226
Lmbr1	6.9765	5.658	1.233032874
Bcr	30.0285	24.3565	1.232874181
Sh3glb2	48.696	39.5	1.232810127
Nop14	19.8855	16.137	1.232292248
Glr2	26.845	21.785	1.23226991
Azi1	2.277	1.848	1.232142857
Impdh2	16.211	13.16	1.231838906
Emb	13.7035	11.1245	1.231830644
Mrpl4	45.374	36.838	1.231717248
Ppp2cb	63.4455	51.512	1.231664467
Ccdc160	8.71	7.074	1.231269437
H3f3b	91.627	74.4265	1.2311072
Gpr125	2.0625	1.676	1.230608592
Gm5124	65.7385	53.428	1.230412892
Dusp8	25.825	20.9895	1.230377093
Wdr70	15.3165	12.4495	1.230290373
Manbal	15.3355	12.4655	1.23023545
Doc2a	10.0235	8.1555	1.229047882
Atg4b	10.577	8.6085	1.228669338
Zfp768	4.9565	4.035	1.228376704
Sf3a3	22.0035	17.9135	1.228319424
Gnpda2	17.441	14.1995	1.228282686
Rbbp4	21.309	17.354	1.227901348
Gm8817	3.1745	2.5855	1.227808934
Ubr4	23.2215	18.914	1.227741356
Abcb6	1.262	1.028	1.227626459
Kndc1	26.96	21.963	1.227519009
Qpct	7.3985	6.0285	1.227253877
Fn3k	40.723	33.1825	1.227243276
Ifi20	208.6765	170.0425	1.227202023



Rrp12	5.718	4.6595	1.227170297
Ankmy2	34.253	27.9305	1.226365443
Ptges2	7.154	5.834	1.226259856
Klhdc9	18.5065	15.092	1.226245693
Gpx1	164.8465	134.4345	1.226221692
Top1mt	15.6565	12.769	1.226133605
Cnbp	146.1165	119.188	1.22593298
Zdbf2	17.3105	14.1215	1.225825868
Ndufv1	81.4505	66.4485	1.225768828
Klhl11	27.826	22.7075	1.225410107
Slc39a13	16.2255	13.241	1.225398384
Faf1	12.299	10.04	1.225
Phyhip	93.722	76.5195	1.224811976
Mcrs1	8.6565	7.07	1.224398868
Atpaf2	17.647	14.416	1.224125971
Tmem39b	7.67	6.269	1.223480619
Snca	88.744	72.5405	1.223371772
N4bp2l1	20.187	16.5075	1.222898682
Birc6	14.4015	11.778	1.222745797
Chst1	26.9285	22.0235	1.222716644
42262	55.916	45.74	1.222474858
Ctu1	2.7375	2.2395	1.222371065
Rasl11a	1.9255	1.576	1.221763959
Mrpl46	32.748	26.814	1.221302305
Rftn1	7.744	6.343	1.220873404
Cog1	13.262	10.864	1.220729013
Wbscr16	5.9935	4.91	1.220672098
Ube2b	116.711	95.6415	1.220296629
Pcdhb16	2.004	1.6425	1.220091324
Cstf1	9.9745	8.177	1.219823896
Hspa8	1483.71	1216.5175	1.219637202
2310057J16Rik	8.3385	6.8375	1.21952468
Mios	5.512	4.5205	1.219334144
Sez6l	50.9595	41.796	1.219243468
Ergic3	107.7545	88.38	1.219218149
Sema4a	12.4785	10.2355	1.21913927
Dgkd	11.735	9.626	1.21909412
Rfk	87.9515	72.156	1.218907645
Trio	34.974	28.696	1.218776136
Slc35c1	3.7145	3.048	1.218667979
Gm5218	2.6905	2.208	1.218523551
Gab3	2.945	2.417	1.218452627
Stk32c	6.262	5.1395	1.21840646
Slit3	3.3225	2.728	1.21792522
Mthfd11	5.243	4.3065	1.217461976
Odc1	40.0335	32.891	1.217156669
Gm15483	1.2195	1.002	1.217065868
1110002N22Rik	7.6315	6.2705	1.217048082
Vdac1	329.682	270.907	1.216956372
Phf10	12.9575	10.6495	1.21672379
Gm1604b	17.311	14.2325	1.21630072
Gsr	17.876	14.6975	1.216261269
Tmem135	10.6915	8.792	1.216048681
Cenpv	8.0715	6.6385	1.215862017
Atp6v1c1	128.894	106.013	1.215832021

Scnm1	34.641	28.501	1.215431038
Ppp2r4	68.332	56.23	1.21522319
Rpl19	389.8155	320.8165	1.215073103
Napa	39.6215	32.6095	1.215029363
2610110G12Rik	91.835	75.5855	1.214981709
Psmc2	44.744	36.8315	1.214829697
Spca3	15.865	13.0625	1.214545455
Hibch	9.7595	8.036	1.214472374
Mrpl24	21.126	17.397	1.214347301
Cops3	52.8555	43.535	1.21409211
Pdcd6	29.125	23.9915	1.213971615
Prnp	96.4005	79.412	1.213928625
Slc25a26	6.542	5.3895	1.213841729
Eef1d	22.725	18.7305	1.213261792
Lrrc68	10.6935	8.815	1.213102666
Hist1h4k	3.576	2.948	1.21302578
Syt4	3.1205	2.5725	1.213022352
Gtl3	28.682	23.6455	1.213000359
Ets1	1.484	1.224	1.212418301
Gad2	461.7785	380.91	1.212303431
Rrp7a	41.3685	34.133	1.211979609
42257	1.583	1.307	1.21117062
Psap	214.9405	177.4785	1.211079088
Gm10166	100.9665	83.371	1.211050605
Cox7a1	3.9955	3.3	1.210757576
Prkag1	19.2365	15.892	1.2104518
Eif4g3	81.3725	67.2305	1.210350957
Pld3	145.9575	120.597	1.210291301
Snph	23.593	19.5135	1.209060394
Cct6b	6.575	5.4405	1.208528628
Atxn10	92.658	76.673	1.208482778
Ptp4a3	7.3735	6.1015	1.208473326
Ywhae	1174.521	971.93	1.208441966
Rai2	7.853	6.4985	1.208432715
Eno1	358.504	296.789	1.207942343
Slc39a11	3.4105	2.8235	1.207897999
Gm5093	15.7625	13.0515	1.207715588
Cnpy3	26.888	22.264	1.207689544
Eif4e	47.625	39.461	1.206887813
Prdx1	100.2235	83.053	1.206741478
Creld1	17.479	14.491	1.20619695
Actr6	10.6105	8.799	1.205875668
Pcdhb14	3.333	2.7645	1.205642973
Donson	4.911	4.0735	1.205597152
Mrps2	39.403	32.686	1.205500826
Cacng3	30.69	25.4695	1.204970651
Grid2	7.141	5.9265	1.204927023
Rnf7	77.3045	64.1675	1.204729809
Mlycd	5.7665	4.789	1.204113594
Timm22	11.6275	9.659	1.203799565
Gamt	9.7595	8.1075	1.203761949
Gm10828	12.144	10.0895	1.203627534
Mme	2.504	2.0805	1.203556837
0610037P05Rik	40.477	33.653	1.202775384
Tmem145	6.4585	5.371	1.202476261

Rpl6	483.396	402.114	1.202136708
Grid1	11.6685	9.707	1.202070671
Hps6	4.344	3.6145	1.201825979
Ppap2a	11.1265	9.258	1.201825448
Thy1	352.1555	293.0655	1.201627281
Tex264	11.702	9.7385	1.201622426
Fam124a	5.289	4.404	1.200953678
Ptms	155.2835	129.3045	1.200913348
Aplp2	123.156	102.562	1.200795616
Ptprf	8.3075	6.9185	1.200766062
Hspa5	63.005	52.4745	1.200678425
Arl6ip4	48.184	40.131	1.200667813
Pop4	16.7755	13.9725	1.200608338
Pcdhb2	1.5535	1.294	1.200540958
Dcaf15	3.242	2.701	1.200296187
Grik3	25.309	21.0875	1.200189686
Klc1	177.9695	148.288	1.200161173
Gm10193	5.977	4.9815	1.199839406
Gpr123	27.6095	23.0335	1.198667159
Pex11b	18.79	15.6765	1.198609383
Ccdc65	9.9725	8.321	1.198473741
Ddx28	5.0795	4.2385	1.198419252
Cntn6	3.656	3.051	1.198295641
Rfx2	1.304	1.0885	1.19797887
Ppp4r4	7.266	6.0655	1.197922677
Sulf2	23.9975	20.041	1.197420288
Tsc2	12.9545	10.8215	1.19710761
Lrrtm4	17.6625	14.7545	1.197092412
Mpi	19.6425	16.41	1.196983547
Hexim2	19.1305	15.9845	1.196815665
Gm5615	2.277	1.903	1.196531792
Ints3	17.607	14.7155	1.196493493
Mast1	31.7665	26.556	1.196208013
Slc1a4	16.6385	13.915	1.195724039
Ptcd2	18.57	15.5325	1.195557702
Bcl11b	6.666	5.577	1.195266272
Dtx3	31.2035	26.1065	1.195238734
Bcat1	32.12	26.8735	1.195229501
Slc39a10	21.6655	18.1335	1.194777622
Cntnap2	37.673	31.538	1.194527237
Rilpl2	5.1145	4.283	1.194139622
Insig2	16.8385	14.101	1.194135168
Pcif1	10.773	9.0235	1.19388264
Ccdc32	24.3775	20.4195	1.193834325
Zbtb39	4.698	3.9355	1.193749206
2510006D16Rik	102.4575	85.8435	1.193538241
Ak5	18.169	15.223	1.193522959
Gm7555	1.5705	1.316	1.193389058
Lingo1	36.853	30.893	1.192923963
Elmo1	158.34	132.735	1.192903153
Prdx4	5.6295	4.7195	1.192817036
Bcs1l	5.308	4.4505	1.19267498
Rpl7l1	17.8605	14.976	1.192608173
Dcaf4	9.71	8.144	1.192288802
Prosapip1	9.0685	7.6075	1.192047322

Setd1a	23.5175	19.732	1.191845733
Ubl3	72.375	60.73	1.19175037
Camkk2	6.9665	5.8475	1.191363831
Kctd7	3.448	2.895	1.191018998
Abcg4	17.871	15.01	1.190606262
Gm10136	11.352	9.535	1.190561091
Polr2b	30.447	25.574	1.190545085
Foxg1	22.1985	18.6465	1.190491513
Tprgl	70.8715	59.5355	1.190407404
Nudt15	2.6695	2.243	1.190147124
Odz4	14.071	11.823	1.190137867
Ccrn4l	19.534	16.414	1.190081638
Fosb	1.885	1.585	1.189274448
Clip2	15.774	13.2645	1.189189189
Dlgap4	41.0125	34.4915	1.189061073
Mrps17	27.1375	22.8245	1.188963614
Ccdc43	6.525	5.489	1.188741119
Kti12	4.5735	3.8485	1.188385085
BC052040	7.384	6.2135	1.18838014
Mink1	15.227	12.8135	1.188356031
Ftsj2	6.747	5.6785	1.188165889
Lmo3	51.869	43.661	1.187993862
Gpr176	5.515	4.6425	1.187937534
Prr14	16.598	13.9735	1.187819802
Isoc2b	3.1405	2.644	1.187783661
Hpca	229.7315	193.4445	1.187583519
4930453N24Rik	13.059	10.997	1.187505683
Dlx1	49.059	41.318	1.18735176
Ank3	73.4685	61.884	1.187197014
Hars	55.176	46.4775	1.187155075
2810002N01Rik	36.439	30.7025	1.186841462
Baiap3	24.4525	20.6065	1.186640138
Rab26	21.6875	18.286	1.186016625
Cdk20	3.7925	3.1985	1.185712053
Sez6l2	61.018	51.4655	1.185609777
Srd5a3	4.0725	3.435	1.18558952
Wdr45	21.029	17.738	1.185533882
Tox2	74.852	63.145	1.185398686
Mt1	100.1275	84.468	1.185389733
Pml	2.8555	2.409	1.185346617
Ubl7	122.4415	103.304	1.185254201
Pcbp2	124.8635	105.349	1.185236689
Son	25.1015	21.1835	1.184955272
St8sia3	64.861	54.7415	1.18485975
Med19	12.82	10.8205	1.184788134
Tmem179b	3.92	3.309	1.18464793
Btbd2	19.564	16.515	1.184620042
Rgmb	8.6725	7.322	1.184444141
Rmnd5b	8.499	7.1765	1.184282032
Vps28	164.043	138.588	1.183673911
Pip5k1b	13.2985	11.24	1.183140569
Retsat	2.9565	2.499	1.183073229
Ubox5	3.151	2.6635	1.183029848
Rarb	2.745	2.321	1.182679879
Amn1	14.909	12.611	1.18222187

BC018242	29.783	25.2135	1.181232276
Pkib	7.3755	6.244	1.181213965
4930572J05Rik	6.86	5.8085	1.181027804
Pip4k2b	74.7135	63.2785	1.180709088
Rbm15b	5.799	4.9115	1.180698361
Srgap1	8.7925	7.4475	1.180597516
Gpi1	201.5005	170.6775	1.180592052
Slc27a2	6.027	5.1065	1.180260452
Polrmt	2.328	1.9725	1.180228137
Aatf	20.3055	17.2075	1.180037774
Thoc5	10.354	8.778	1.179539758
Churc1	117.235	99.3905	1.179539292
Slc26a11	4.353	3.6905	1.179514971
Ldb3	6.033	5.1155	1.179356857
Dpysl4	5.014	4.2515	1.179348465
Scn2b	92.671	78.6195	1.178727924
Gpr139	6.346	5.385	1.178458682
Polr1c	23.598	20.0305	1.178103392
D19Bwg1357e	9.3485	7.937	1.177837974
Mull	6.1005	5.18	1.177702703
Gpr137	16.1195	13.69	1.177465303
Cdkn2d	20.0085	16.9965	1.177212956
Arhgap33	15.447	13.1225	1.177138503
Ykt6	25.701	21.835	1.177055187
Pcmt1	64.529	54.831	1.176870748
Ech1	16.8935	14.357	1.1766734
Rtn3	350.7585	298.1435	1.176475422
Med12	2.6865	2.284	1.176225919
Mtif3	9.1885	7.812	1.176203277
Cpsf1	9.6255	8.185	1.17599267
Vangl2	11.7625	10.003	1.175897231
Hat1	14.496	12.3315	1.175526092
Klhl13	58.7045	49.952	1.175218209
Grb10	76.488	65.105	1.174840642
Fancg	3.538	3.012	1.174634794
Tmem93	15.965	13.5915	1.174631203
Brs3	2.733	2.327	1.174473571
Actb	1047.651	892.089	1.174379462
Heatr5b	15.161	12.91	1.174360961
Pde10a	12.9345	11.0145	1.174315675
Fcf1	23.7665	20.241	1.174176177
1300018I17Rik	6.7485	5.7485	1.173958424
Gm14446	4.606	3.9235	1.173951829
Vstm2b	21.2925	18.1415	1.173690158
Nnat	511.2885	435.6895	1.173515772
Rsl1	1.556	1.326	1.173453997
Hsd17b4	16.716	14.246	1.173382002
Slc39a9	12.8885	10.989	1.172854673
Eif3k	126.988	108.278	1.172795951
Atp5s	17.2455	14.7095	1.172405588
Hlcs	5.1765	4.4155	1.172347413
Rps23	417.608	356.289	1.172104668
Adam9	5.2645	4.492	1.171972395
Sefd1	13.293	11.343	1.171912193
Usp33	36.6385	31.2645	1.171888244

42256	17.194	14.6775	1.171452904
Kank3	1.418	1.2105	1.17141677
C030048B08Rik	6.3625	5.4315	1.17140753
Wbscr17	7.3995	6.318	1.171177588
Psme4	4.9255	4.206	1.171065145
Pole3	13.3625	11.4115	1.170967883
Ndst3	4.976	4.25	1.170823529
Zrsr1	45.5635	38.9185	1.170741421
Epn1	27.577	23.5555	1.170724459
Gps1	27.0835	23.141	1.17036861
Blcap	75.921	64.879	1.170193745
Tbc1d22b	19.9475	17.0495	1.169975659
Bcor	4.097	3.5035	1.169402027
Hnrnpab	81.7055	69.8975	1.168933081
Isyna1	25.816	22.0875	1.168805886
Ptcd3	17.899	15.3165	1.168609016
2010011I20Rik	10.847	9.2845	1.168291238
Chchd8	7.4385	6.3675	1.16819788
Mtap1b	484.7875	415.078	1.167943134
Saal1	1.5405	1.319	1.16793025
Npas1	1.5515	1.3285	1.167858487
Ggct	20.826	17.8425	1.167213115
Ppp2r2b	84.17	72.1125	1.167204021
BC048355	6.1515	5.2705	1.167156816
Ube2ql1	44.1945	37.868	1.167067181
Prpf6	20.468	17.55	1.166267806
Rsph9	15.673	13.4405	1.166102452
Ggcx	5.1495	4.416	1.166100543
Zfpm2	6.4005	5.489	1.166059392
Rnf4	45.692	39.191	1.165879921
Daglb	4.461	3.8265	1.165817327
Phospho2	12.1645	10.436	1.165628593
Siah1a	19.4455	16.683	1.165587724
3110082I17Rik	13.6475	11.71	1.165456874
Mett10d	29.395	25.225	1.16531219
Parp8	20.876	17.9155	1.16524797
Muted	11.379	9.7655	1.165224515
Zfp746	4.6495	3.9905	1.165142213
Ttc13	3.762	3.23	1.164705882
Ptprs	40.1585	34.482	1.164622122
Pak1	218.2115	187.431	1.164223101
Icam5	2.3185	1.9915	1.164197841
Nt5c3	11.2845	9.693	1.164190653
H1f0	60.843	52.2675	1.16406945
Rab2a	357.4095	307.115	1.163764388
Dnaja4	9.7305	8.3625	1.163587444
Psmc14	53.148	45.6805	1.163472379
Ube2e1	29.6875	25.519	1.163348877
Ppan	3.628	3.119	1.163193331
Ganab	15.396	13.2425	1.162620351
Usp46	27.581	23.7245	1.162553478
Acd	20.2615	17.43	1.162449799
Mat2b	22.6555	19.4905	1.162386804
Sacs	4.5265	3.8955	1.161981774
Rprml	4.6845	4.032	1.161830357

Dhcr24	20.633	17.7595	1.161800726
Trim3	25.861	22.2685	1.161326537
Eef1a2	104.1095	89.666	1.161081123
LOC100504629	3.5315	3.042	1.160913872
Nup214	10.2985	8.872	1.160786745
Arhgap42	1.6895	1.4555	1.160769495
Psmc2	76.255	65.6935	1.16076933
Tctn3	2.3045	1.9855	1.16066482
1110018J18Rik	4.4455	3.8305	1.160553453
Mta2	7.6485	6.591	1.160446063
Kit	4.7775	4.117	1.160432354
Ndst2	3.018	2.601	1.160322953
Prkcd	3.7925	3.2685	1.160318189
Tmem66	61.5435	53.0495	1.16011461
Smap2	93.594	80.694	1.159863187
Ppp6c	24.623	21.2345	1.15957522
Prr24	50.0665	43.1865	1.159309043
G3bp1	22.9045	19.7575	1.159281286
Minpp1	18.907	16.314	1.158943239
Gm11818	11.014	9.5035	1.158941443
Myo5a	71.0985	61.3605	1.158701445
2900011O08Rik	244.686	211.21	1.158496283
Nsg1	127.1305	109.7405	1.158464742
Gm12657	3.96	3.419	1.158233402
Ilf3	51.953	44.861	1.158088317
Spg7	4.132	3.568	1.158071749
Ublcp1	41.0775	35.4745	1.157944439
Pcbp1	67.4655	58.275	1.157709138
Scg5	93.0235	80.352	1.157699871
Dnalc4	12.4695	10.771	1.157691951
Rgs2	73.445	63.451	1.157507368
Psmd5	41.7235	36.055	1.157218139
Cdc42se2	29.371	25.383	1.157113028
2310001A20Rik	15.783	13.641	1.157026611
Gstm6	40.1885	34.7415	1.156786552
Tle4	33.2215	28.722	1.156656918
Golt1b	23.0075	19.898	1.156271987
Coq6	5.6765	4.91	1.15610998
Bag1	90.427	78.225	1.155985938
Sdf2	24.9465	21.582	1.1558938
Gm5566	3.541	3.0635	1.155867472
Tusc2	20.8165	18.0095	1.155862184
Txnl4b	12.7045	10.9955	1.15542722
2010012O05Rik	42.319	36.627	1.155404483
Mta1	19.091	16.524	1.155349794
Mfsd5	12.533	10.8495	1.155168441
Trmt112	86.967	75.2865	1.155147337
Arpc2	126.2685	109.3355	1.154871931
Caskin1	43.0655	37.291	1.154849696
Rps10	358.485	310.4545	1.154710272
Gbf1	25.7705	22.321	1.154540567
Zfp770	10.3425	8.961	1.154168062
Mrps27	12.709	11.0125	1.154052213
Tada2a	10.4535	9.059	1.153935313
Cdh24	3.1135	2.6995	1.153361734

Uap111	9.8615	8.5525	1.153054662
Ankrd13b	9.086	7.88	1.153045685
Pqlc2	1.541	1.3365	1.153011597
2310040G07Rik	2.635	2.2855	1.152920586
Exosc5	4.5615	3.9565	1.152912928
Parp11	8.7365	7.5815	1.152344523
Slc25a22	30.9605	26.869	1.152275857
Disp2	111.0785	96.4025	1.152236716
Thoc7	65.47	56.8245	1.152143882
Gga3	16.4845	14.3085	1.152077436
Tcta	9.3895	8.151	1.151944547
Abhd6	8.7855	7.627	1.151894585
Rab9	76.72	66.6225	1.15156291
Akap11	30.726	26.6835	1.151498117
Taf6	22.785	19.7895	1.15136815
Dynlt1e	29.5595	25.6755	1.151272614
Tcfcp2	8.8705	7.7075	1.150891988
Amd1	22.328	19.4025	1.150779539
Mtap7d1	59.149	51.4375	1.149919806
Hgsnat	13.685	11.9015	1.14985506
Dcaf11	9.9775	8.68	1.149481567
Sh2b2	2.54	2.21	1.149321267
Ddx41	9.691	8.432	1.149312144
Polr3a	5.1325	4.467	1.148981419
Dguok	6.758	5.882	1.148928936
Tcf25	448.0605	390.0215	1.148809745
Lrrc4b	61.0575	53.171	1.148323334
Suds3	21.748	18.946	1.147894015
Ppfia3	12.037	10.488	1.147692601
Susd2	14.8315	12.9265	1.147371678
Glo1	57.117	49.785	1.147273275
Kctd16	7.14	6.225	1.146987952
Ccdc74a	7.2925	6.3595	1.146709647
Kctd17	17.064	14.882	1.146620078
Mpv17	61.128	53.3155	1.146533372
Gm4581	3.4635	3.021	1.146474677
Fsd1	21.2175	18.5075	1.146427124
Eif2a	36.4305	31.7795	1.146352208
Osbp12	36.5255	31.87	1.146077816
LOC100233175	40.3515	35.21	1.146023857
Spnb2	64.026	55.8755	1.145868941
Mettl5	10.0175	8.743	1.145773762
Tmed4	45.3975	39.6245	1.14569269
Rpn2	24.358	21.2705	1.145154087
Pabpc112b-ps	53.713	46.9125	1.144961364
Git2	12.7435	11.131	1.14486569
Fam119a	4.5245	3.9525	1.144718533
Fam69a	8.895	7.771	1.144640329
Psm4	67.7185	59.18	1.144280162
Tmem128	7.352	6.425	1.144280156
Mchr1	4.109	3.591	1.144249513
Mrpl3	24.4795	21.4095	1.143394288
Chd8	13.894	12.1525	1.143303847
D18Ertd653e	4.9695	4.3475	1.14307073
Lias	31.7715	27.7985	1.142921381



Fam115a	68.633	60.051	1.142911858
LOC100502936	1.7585	1.539	1.142625081
Smpd1	32.154	28.1435	1.142501821
Nup54	8.5625	7.4955	1.142352078
Enc1	34.507	30.2155	1.142029753
Megf8	8.4125	7.368	1.141761672
Lrrc28	12.924	11.3195	1.141746544
Adprh	31.2665	27.3885	1.141592274
4922501L14Rik	12.015	10.5255	1.141513467
Rpl26	319.711	280.1045	1.141399014
Hdhd2	43.7845	38.3605	1.141395446
Bsg	209.0035	183.1125	1.141393952
Ptpn5	51.8525	45.433	1.141295974
Terf1	9.433	8.2675	1.140973692
Ypel5	54.214	47.519	1.140891012
Atp6v0d1	182.8645	160.296	1.140792659
Mtmr1	6.8355	5.992	1.140771028
Ugcg	28.001	24.5465	1.140732895
Pnpla8	15.0525	13.1955	1.140729794
Trmt5	8.1305	7.1275	1.140722553
Psg16	1.1405	1	1.1405
Tram111	16.3135	14.304	1.140485179
Gnas	1934.572	1696.758	1.140157878
Lymr1	10.1195	8.876	1.14009689
Gpr25	9.4835	8.3195	1.139912254
Gm5428	1.373	1.2045	1.139892071
Naa38	18.0855	15.8715	1.139495322
3110043O21Rik	7.431	6.5215	1.13946178
Slc25a3	254.84	223.7005	1.139201745
Wdr85	8.175	7.1765	1.139134676
Mal2	22.3365	19.61	1.139036206
Hmgn3	34.3385	30.153	1.138808742
Eral1	8.618	7.569	1.138591624
Rars	25.344	22.2685	1.138109886
2310057M21Rik	21.4885	18.8835	1.137951121
Slc6a15	6.5045	5.716	1.137946116
Zw10	3.897	3.4255	1.13764414
2010321M09Rik	11.59	10.188	1.137612878
Cend1	722.954	635.5035	1.137608211
Aco2	141.2905	124.228	1.137348263
Cct6a	39.0985	34.3815	1.137195876
Fis1	81.7595	71.8995	1.137135863
Phb	64.652	56.871	1.136818414
Gpr101	12.493	10.991	1.136657265
Fbxo31	6.379	5.614	1.136266477
AI894139	4.165	3.6665	1.135960725
Anapc4	21.681	19.09	1.135725511
Copg2	16.2085	14.2725	1.135645472
Amph	40.864	36.0025	1.135032289
Hnrnp1	34.4715	30.3715	1.134994979
Gphn	15.4025	13.574	1.134706056
Polr3b	5.9215	5.219	1.13460433
Zfp286	4.0865	3.602	1.134508606
Kdelr2	24.8505	21.9145	1.133975222
Ptprk	9.4265	8.313	1.13394683

Pde4a	58.2695	51.388	1.133912587
Khdrbs1	51.8745	45.7515	1.133831678
Dstn	89.1045	78.6215	1.133335029
Dner	39.185	34.592	1.132776364
Gsk3a	129.2485	114.099	1.132775046
Dpm1	11.8915	10.498	1.132739569
Surf4	14.876	13.1335	1.132675981
Gfod2	3.6455	3.219	1.132494564
Bhlhe41	8.388	7.4075	1.132365845
Vps72	27.2235	24.0475	1.132071941
Btbd10	8.046	7.109	1.131804755
Tbp11	42.6295	37.6665	1.131761645
Mocs2	44.617	39.4275	1.13162133
Gemin7	17.5785	15.537	1.131396022
Cnih	14.036	12.4065	1.131342441
Itfg1	40.4175	35.726	1.131318927
Kpna6	31.3405	27.705	1.131221801
Lgr5	1.51	1.335	1.131086142
Atg5	9.0845	8.032	1.131038347
Sox4	2.707	2.3935	1.130979737
Exoc2	18.5735	16.4235	1.130909977
Foxred2	7.738	6.844	1.130625365
Slc25a25	24.3695	21.56	1.130310761
4933434E20Rik	29.6155	26.204	1.130190047
Tbl1x	52.134	46.131	1.130129414
Dnahc1	3.188	2.821	1.130095711
Nipal3	17.47	15.4645	1.129684115
Gtf2h1	11.0705	9.8025	1.129354756
5133401N09Rik	17.172	15.2065	1.129253937
Drd2	14.1855	12.5625	1.12919403
Fam76a	22.024	19.51	1.128856996
Zfand1	15.235	13.498	1.128685731
LOC100502825	103.2535	91.484	1.128650912
Phlda3	24.005	21.2695	1.128611392
B3gnt1	19.8665	17.6045	1.128489875
Acat1	45.6915	40.4915	1.128422015
1810020D17Rik	21.798	19.3175	1.128406885
Gmppa	14.9625	13.2605	1.128351118
Naf1	3.1105	2.757	1.128219079
Fos	5.024	4.4535	1.128101493
Nfya	7.1385	6.328	1.128081542
Dgcr2	14.018	12.427	1.128027682
Tmem18	8.1195	7.1995	1.127786652
Gtpbp4	31.5095	27.9475	1.127453261
Fkbp11	2.2775	2.0205	1.127196239
Sdhaf1	4.897	4.3445	1.127172287
Hivep2	15.205	13.492	1.126964127
Pnpt1	3.0725	2.727	1.126696003
Zbtb4	21.91	19.456	1.126130757
Tmed2	23.254	20.6555	1.125801845
3300002I08Rik	2.117	1.8805	1.125764424
Gne	17.467	15.5165	1.125704895
2700097O09Rik	4.546	4.0385	1.12566547
Gm13654	238.4975	211.8735	1.125659887
Ttc33	27.9825	24.8635	1.125444929

Sorl1	8.901	7.909	1.125426729
Cct6a	405.412	360.263	1.125322334
Serpinb1b	4.5685	4.0605	1.125107745
Ccdc138	1.7035	1.5145	1.124793661
Syt4	61.3825	54.5795	1.124643868
Fbxo18	9.845	8.755	1.124500286
Zfp580	11.281	10.036	1.124053408
Crlf2	2.139	1.903	1.124014714
Thumpd3	6.351	5.651	1.123871881
Hecw1	7.84	6.977	1.123692131
Bid	11.429	10.173	1.123464072
Inpp5j	12.3105	10.961	1.123118329
Arpc5	77.375	68.9025	1.122963608
Gng4	57.7065	51.392	1.122869318
Trit1	6.5295	5.8165	1.122582309
Sec23ip	13.055	11.6315	1.122383184
Snrpb	19.478	17.3565	1.122230865
Tmem223	36.6315	32.6425	1.12220265
Apoa2	1.5385	1.371	1.122173596
Rchy1	13.432	11.975	1.121670146
Gmn	1.5635	1.394	1.121592539
Thrap3	48.5765	43.314	1.121496514
Poll	3.881	3.461	1.12135221
Cadps2	32.863	29.3075	1.121317069
Ppil3	20.1005	17.9265	1.121272976
Rrs1	9.3125	8.3055	1.121244958
Rab14	102.412	91.3425	1.121186742
Mcf2l	13.1675	11.748	1.120829077
Cript	68.0905	60.755	1.120739034
Eif2b3	7.611	6.7915	1.120665538
Gpr85	4.395	3.9225	1.120458891
Atp6v1a	126.6455	113.033	1.120429432
Nop16	14.2665	12.7355	1.120215147
Ccdc104	133.4815	119.172	1.120074346
Ppip5k1	17.282	15.4295	1.120062218
2310035C23Rik	12.9775	11.587	1.120005178
Lrrc49	15.644	13.968	1.119988545
Dab2ip	19.0995	17.07	1.118892794
Ap3s1	23.3755	20.8935	1.118792926
Gm11449	1.3895	1.242	1.118760064
Txn14a	40.1265	35.871	1.118633436
Grhl1	2.818	2.5195	1.118475888
Arc	5.3785	4.811	1.117958844
Msh3	3.069	2.7455	1.117829175
Ftsjd2	31.1935	27.906	1.117806207
E130309D02Rik	11.904	10.6515	1.117589072
Ift88	6.803	6.0875	1.117535934
Kcnab1	9.425	8.436	1.117235657
Pigh	4.1415	3.707	1.117210682
Arhgdia	245.98	220.184	1.11715656
D0H4S114	48.4855	43.401	1.117151679
Grina	123.646	110.691	1.117037519
Tenc1	2.234	2	1.117
Dvl1	6.215	5.5645	1.116901788
Hmgb3	46.5485	41.702	1.116217448

Lsm12	102.973	92.2545	1.116184034
Dnajb6	106.6695	95.572	1.116116645
Rpusd3	2.2895	2.0515	1.116012674
Traf3ip1	13.0815	11.722	1.115978502
Reep2	72.428	64.904	1.115925059
Dync2li1	10.4085	9.3285	1.11577424
Gabrg3	13.875	12.436	1.115712448
Cstad	5.8565	5.2495	1.11563006
Fen1	2.268	2.0335	1.115318417
Ldb2	49.4675	44.3565	1.115225502
Scap	10.711	9.607	1.114916207
Cd1d1	1.1365	1.0195	1.114762138
Tsfm	7.629	6.844	1.114699006
Wdr1	45.6245	40.9345	1.114573282
Ube2w	8.9195	8.003	1.114519555
Fam49b	18.7405	16.8165	1.114411441
Stk38l	6.957	6.2435	1.11427885
Dnajc11	15.345	13.777	1.113812877
2610024G14Rik	12.028	10.803	1.113394427
Ubr1	9.2455	8.3075	1.112910021
Wbp1	12.669	11.3855	1.112731105
8430410A17Rik	7.2825	6.545	1.112681436
Eno2	393.4545	353.6165	1.11265877
2010007H12Rik	9.028	8.1155	1.11243916
Gm11837	1.559	1.4015	1.112379593
Exosc9	9.8795	8.883	1.11218057
Cntn4	4.5075	4.053	1.112139156
Cib1	3.277	2.947	1.111978283
Trim27	8.5605	7.6985	1.111969864
Exosc10	17.773	15.986	1.111785312
2310035K24Rik	6.7335	6.057	1.111688955
Pigy	3.2455	2.9195	1.111662956
Rbm43	14.909	13.4165	1.111243618
U2af1	43.267	38.94	1.111119671
Rps6ka4	4.297	3.8675	1.111053652
Zfp706	49.1015	44.1945	1.111031916
Snrpa1	15.901	14.3145	1.110831674
Rabgta	9.467	8.523	1.110759122
Ccdc136	15.333	13.8045	1.110724764
Tmem219	12.4485	11.208	1.110679872
Med18	3.9685	3.5735	1.110535889
Rbm16	15.2945	13.7735	1.110429448
Lenep	3.619	3.26	1.110122699
Prr12	14.9305	13.4515	1.109950563
E130309D14Rik	14.451	13.021	1.109822594
Lonp2	31.3215	28.233	1.109393263
Gyg	31.919	28.7825	1.108972466
Pcna	28.172	25.4065	1.108850097
Herpud2	12.369	11.156	1.108730728
Eif5a	217.9875	196.722	1.108099247
Cnksr2	22.675	20.4655	1.10796218
Pacsin1	77.2445	69.724	1.107860995
Cmas	196.9135	177.78	1.107624592
Ypel4	33.781	30.4995	1.107591928
Gm9846	315.552	284.9415	1.107427314

Pold3	15.203	13.732	1.107122051
Nrcam	24.195	21.856	1.107018668
Pnkd	161.6365	146.023	1.106924936
Lin37	46.991	42.456	1.106816469
Ccl21a	1.632	1.4745	1.10681587
Herpud1	16.331	14.756	1.106736243
Spnb1	5.2185	4.716	1.106552163
Wdr5	5.173	4.675	1.106524064
LOC100504362	3.279	2.9635	1.106461954
Naa25	6.3145	5.708	1.10625438
Gm7120	8.7085	7.874	1.105981712
Spats2l	10.497	9.493	1.105762141
Psmc6	30.8335	27.8865	1.105678375
Nfkbil2	1.259	1.139	1.105355575
Wdr92	10.166	9.1975	1.105300353
Sstr1	4.7655	4.312	1.105171614
1110021J02Rik	16.5135	14.9425	1.105136356
Sart1	6.451	5.8385	1.104907082
Tgfb3	2.5345	2.294	1.10483871
Mylip	2.9365	2.6585	1.104570246
Denr	25.6645	23.236	1.104514546
Klhdc8a	5.5645	5.038	1.104505756
Rbm17	32.8735	29.7635	1.104490399
Anapc5	44.388	40.1955	1.10430272
Rhot1	17.119	15.5065	1.10398865
2310021P13Rik	20.768	18.8165	1.103712168
Cpne6	42.331	38.3625	1.103447377
Abcf3	29.043	26.324	1.103289774
Ilkap	21.1775	19.199	1.103052242
Gm14535	4.45	4.0345	1.102986739
4933433P14Rik	10.491	9.513	1.102806686
Reep6	20.192	18.313	1.102604707
Mark2	54.8095	49.7175	1.102418665
Tmem184b	12.9125	11.716	1.102125299
Tial1	19.2585	17.4755	1.102028554
Ifngr2	28.763	26.102	1.101946211
Crip2	22.4625	20.3935	1.101453895
Racgap1	2.906	2.6385	1.101383362
Dnajc16	4.1865	3.8015	1.101275812
Hist2h2aa1	15.0945	13.7065	1.101265823
Rnf5	120.9565	109.8365	1.101241391
Tmx2	55.97	50.8325	1.101067231
Ahdc1	8.663	7.8705	1.100692459
Mrpl45	17.5145	15.916	1.100433526
Acot8	5.357	4.8695	1.100112948
Prkar1b	229.669	208.7705	1.100102744
Clptm1	39.085	35.5285	1.100102734
Commd6	94.128	85.567	1.100050253
Gabarapl1	479.4975	436.1555	1.099372815
Sgsh	2.147	1.953	1.099334357
Pcdhgb1	4.234	3.8515	1.099311956
Arfgap2	12.2145	11.112	1.099217063
Pygo2	8.668	7.887	1.09902371
Map2k3	2.0735	1.887	1.098834128
Nudt18	4.8165	4.3845	1.098528909

Cenpo	4.7245	4.301	1.098465473
Fcho1	4.143	3.772	1.09835631
Nefh	33.8945	30.8605	1.098313378
B3gat1	36.9755	33.6735	1.098059305
Nudt22	6.9955	6.371	1.098022288
Mapk3	99.3115	90.4485	1.097989464
Ppat	9.2945	8.466	1.097862036
Lrrc8d	10.31	9.391	1.097859653
Atp6v0a1	69.2265	63.064	1.097718191
Cpsf3	19.92	18.148	1.097641613
Brd4	92.4485	84.227	1.097611217
Smarcd2	1.9475	1.7745	1.097492251
Hist1h2al	3.283	2.993	1.09689275
Ssbp4	22.0125	20.071	1.096731603
H2afy	80.1695	73.105	1.096634977
Ranbp3	13.511	12.3205	1.096627572
Wdr91	7.237	6.5995	1.096598227
Arfp2	21.2235	19.3615	1.096170235
Dcaf13	11.2245	10.24	1.096142578
Rnmt11	9.3505	8.5305	1.096125667
Gpr173	5.084	4.6385	1.09604398
Sars	71.0655	64.8425	1.095971007
Nudt21	31.8395	29.058	1.095722348
Cdc42bpb	29.583	27.001	1.095626088
Ddx59	2.409	2.199	1.095497954
Adssl1	10.3435	9.442	1.095477653
Arhgef15	10.72	9.7875	1.095274585
Larp1	54.888	50.1145	1.095251873
Nub1	22.0765	20.1635	1.094874402
Pfas	4.497	4.108	1.094693281
Gm715	1.8395	1.6805	1.094614698
Jakmip2	36.7785	33.612	1.094207426
Spata7	12.48	11.406	1.094160968
Nsun4	4.273	3.9055	1.094098067
Lrch1	10.126	9.2575	1.093815825
Sh3rf1	7.966	7.283	1.093780036
Zbtb12	1.858	1.6995	1.093262724
Fbxo11	26.5415	24.285	1.092917439
Diras1	87.3545	79.9475	1.0926483
Farsa	8.488	7.77	1.092406692
Gdpd5	1.265	1.158	1.092400691
Ccl21b	2.3	2.1055	1.092377108
Stk25	76.549	70.0985	1.092020514
Ppp2r2a	41.0585	37.6145	1.091560435
Psmg2	10.0565	9.213	1.091555411
Rap2b	22.7595	20.8535	1.091399525
Smarcd1	35.0045	32.076	1.09129879
Slc7a6os	6.672	6.114	1.091265947
Ccl21c	2.205	2.021	1.091044038
LOC100504346	2.1775	1.996	1.090931864
LOC100504239	2.1775	1.996	1.090931864
Elac2	4.61	4.226	1.090866067
Arntl	4.388	4.0225	1.090863891
Tmem158	14.6495	13.43	1.09080417
Mrps24	19.934	18.2785	1.090570889

Fam92a	35.629	32.6705	1.0905557
Sgta	38.9195	35.6895	1.090502809
Caprin1	61.2775	56.194	1.090463395
Dedd2	3.9305	3.6045	1.090442502
Aldh3b2	9.2385	8.4735	1.090281466
Ets2	24.1125	22.119	1.090126136
Tuba1b	1199.305	1100.2465	1.090033006
Wrnip1	13.3975	12.2915	1.089980881
Gapdhs	1.3025	1.195	1.089958159
Zfyve1	9.1205	8.369	1.089795675
Dnaja3	28.828	26.453	1.089781877
Gm505	1.3145	1.2065	1.089515126
Olfm1	92.925	85.296	1.089441474
Exosc2	14.5355	13.343	1.089372705
Ankra2	8.719	8.0045	1.08926229
Relt	2.1305	1.956	1.089212679
Rnf25	7.037	6.462	1.088981739
Pfkfb4	1.426	1.3095	1.088965254
Nasp	5.1245	4.706	1.088929027
Gns	26.785	24.6005	1.088799008
Coil	11.238	10.323	1.088637024
Mybbp1a	12.6725	11.641	1.088609226
Tmem231	7.3265	6.731	1.088471252
Cdr2	8.5185	7.8265	1.088417556
Tbc1d10b	12.5075	11.4915	1.088413175
Ddx24	67.162	61.733	1.087943239
Hyls1	3.007	2.764	1.087916064
Crif3	4.5175	4.1535	1.087636933
Zfp259	10.616	9.761	1.087593484
Gm4294	1.808	1.6625	1.087518797
Slc9a6	17.9995	16.552	1.087451667
Wars	36.087	33.1885	1.087334468
Dnajb12	6.3105	5.804	1.087267402
Mars	17.2675	15.883	1.087168671
Sgcb	9.467	8.709	1.087036399
Nrsn2	1157.804	1065.223	1.086912318
Ppib	24.856	22.869	1.086886178
Pcdhb13	1.4645	1.3475	1.086827458
Slc7a3	7.624	7.0165	1.086581629
Ccs	9.36	8.6185	1.086035853
Hist1h4h	4.3885	4.0415	1.085859211
B630019K06Rik	22.806	21.005	1.08574149
Mpped1	8.8095	8.1155	1.085515372
Acly	37.621	34.6635	1.085320294
Msl3l2	5.874	5.414	1.084964906
Pgap2	2.5875	2.385	1.08490566
Endod1	23.8445	21.987	1.084481739
Shd	14.6385	13.4985	1.084453828
Wdr11	9.3105	8.5875	1.08419214
Btf3l4	24.806	22.8815	1.084107248
LOC100503956	15.141	13.967	1.084055273
3110047P20Rik	1.884	1.7385	1.083692839
Smarcbl	30.4405	28.1005	1.08327254
Aplp1	241.813	223.294	1.082935502
Gtf2h2	13.2175	12.21	1.082514333

Gpr68	6.257	5.781	1.082338696
Twf2	8.196	7.5735	1.082194494
Supt6h	42.761	39.52	1.082009109
Zkscan5	6.1435	5.678	1.081983093
Ncor2	24.204	22.3735	1.081815541
Mrp63	17.6875	16.35	1.081804281
Paip2b	16.791	15.5235	1.081650401
Tipr1	21.398	19.79	1.081253158
Nrbp1	53.05	49.079	1.080910369
Mapk11	5.674	5.2495	1.080864844
42067	20.2065	18.6965	1.080763779
Rad23b	59.318	54.8875	1.080719654
B3gat3	23.051	21.331	1.080633819
Dnmbp	2.604	2.4115	1.079825835
BC022687	2.1765	2.016	1.079613095
Pprc1	6.1385	5.687	1.079391595
Nr2f6	1.837	1.702	1.079318449
Mcm4	2.799	2.5935	1.079236553
Grm8	2.8275	2.6205	1.078992559
Hmox2	37.6445	34.899	1.078669876
Ccdc127	12.787	11.857	1.07843468
G6pc3	57.2485	53.0865	1.078400347
Atad1	26.5005	24.576	1.078308105
Nckipsd	8.7955	8.1585	1.078078078
Ahey	14.071	13.0525	1.078031029
Rnf128	4.8355	4.486	1.07790905
Calr	53.197	49.3585	1.07776776
Clec21	2.8045	2.6025	1.077617675
Asphd2	11.923	11.0645	1.077590492
Limk1	14.3025	13.275	1.07740113
Clstn1	60.393	56.0585	1.077321013
Slitrk1	57.8525	53.709	1.077147219
Nsun2	13.8605	12.8685	1.077087462
Ttpal	7.517	6.9795	1.077011247
Tpt1	292.4895	271.58	1.076992047
Trpc4	6.587	6.117	1.07683505
Abca5	4.6085	4.28	1.076752336
Slit1	9.588	8.905	1.076698484
Htra2	14.322	13.3025	1.076639729
Ankrd32	2.428	2.256	1.076241135
Ctu2	1.383	1.2855	1.075845974
Gnai2	114.776	106.6865	1.075824964
Ano7	1.151	1.07	1.075700935
Mina	1.8925	1.7595	1.075589656
Paf1	33.758	31.3985	1.075146902
Scrn1	68.8585	64.049	1.075090946
Kifap3	61.8235	57.506	1.075079122
Sult4a1	145.6095	135.4425	1.075065065
Trank1	14.2425	13.249	1.074986791
Rpl12	227.767	211.9465	1.074643837
Wdr55	10.627	9.8895	1.074574043
Usp9x	34.0375	31.69	1.074076996
Tmem131	26.1965	24.395	1.0738471
Nerna00085	5.457	5.0825	1.073684211
Sars2	4.2215	3.9325	1.073490146



Ankrd34a	61.88	57.6465	1.073438977
Lsm10	10.394	9.683	1.073427657
Alas1	11.2615	10.492	1.073341594
Morf411	235.6805	219.62	1.073128586
AI413582	35.4355	33.027	1.072925182
Fam18b	8.9985	8.3905	1.072462904
Snrnp40	12.072	11.257	1.072399396
Zcchc9	24.095	22.4695	1.072342509
2610301G19Rik	10.683	9.9635	1.07221358
Ubxn1	41.338	38.5555	1.072168692
Stoml2	30.6115	28.554	1.072056454
AI836003	27.599	25.7445	1.072034804
Nif3l1	13.13	12.2485	1.071967996
Tmem8b	11.8045	11.012	1.071966945
Tor1aip2	19.055	17.777	1.071890645
Atg16l2	2.297	2.1435	1.07161185
Rhof	17.22	16.072	1.071428571
1700025K23Rik	8.7495	8.167	1.071323619
Ociad2	58.13	54.2625	1.0712739
Gpr88	2.4575	2.294	1.071272886
Cmpk1	65.7195	61.3585	1.071074097
Cct3	28.1215	26.2635	1.070744569
C77370	7.7685	7.258	1.070336181
Agtrap	3.573	3.339	1.070080863
Abcf2	37.246	34.8095	1.06999526
Mkks	6.9195	6.4685	1.069722501
Osbpl11	5.2745	4.931	1.069661326
Cdh18	13.656	12.767	1.069632647
Dgcr8	6.379	5.964	1.069584172
Gm12952	1.3765	1.287	1.06954157
Tmppe	6.934	6.4835	1.069484075
Bzw1	30.047	28.095	1.069478555
Asb8	71.7515	67.0995	1.069329876
Nrxn2	26.082	24.391	1.069328851
Nbr1	16.9955	15.8945	1.069269244
Slc9a7	14.863	13.906	1.068819215
Herc3	38.67	36.1915	1.068482931
Chmp7	27.072	25.3465	1.06807646
Sat2	8.205	7.683	1.06794221
Tac1	35.105	32.8725	1.06791391
Klhl7	25.584	23.959	1.0678242
Mllt4	14.577	13.6515	1.067794748
Vps24	28.8425	27.0225	1.067351281
Htr1a	8.5005	7.9645	1.067298638
LOC100504032	11.52	10.796	1.067061875
Entpd6	10.1285	9.493	1.066944064
Ascc1	11.087	10.3935	1.066724395
Cntfr	42.464	39.826	1.066238136
Rnd1	9.0505	8.489	1.066144422
Arpp19	19.691	18.4715	1.066020626
Ik	174.3825	163.5915	1.065963085
Vasp	4.692	4.402	1.065879146
Hmga2	3.554	3.335	1.065667166
Ubc	307.8525	288.935	1.065473203
Eif1ad	10.51	9.866	1.065274681

Gm10260	16.23	15.238	1.065100407
Bai3	11.597	10.89	1.064921947
Mrpl44	14.077	13.2205	1.064785749
Polr2g	80.121	75.273	1.064405564
Arf1	444.618	417.91	1.063908497
Atf3	1.0905	1.025	1.063902439
Galt	14.1315	13.29	1.063318284
Uqcrfs1	51.3055	48.2515	1.063293369
Nfx1	13.229	12.4425	1.06321077
Copa	43.4915	40.9135	1.063010987
Kdm1a	20.8765	19.6415	1.062877072
Eif2ak1	28.1195	26.4575	1.062817727
Ppp3cb	52.9035	49.7835	1.062671367
Phb2	40.645	38.252	1.06255882
Dnajb11	12.772	12.0205	1.062518198
Pcdhb7	1.337	1.2585	1.062375844
Ttrap	11.4965	10.8215	1.062375826
Parp2	17.7075	16.67	1.062237552
Syt3	20.9755	19.7475	1.062185087
Csnk1g2	35.881	33.783	1.062102241
BC046404	4.1565	3.9135	1.062092756
Pfkip	40.1875	37.847	1.061841097
Dpp3	6.1945	5.8345	1.061701945
Kcna3	5.765	5.431	1.061498803
Srrm3	6.2145	5.855	1.061400512
Eny2	24.3805	22.9705	1.061383078
Lingo2	15.348	14.4615	1.061300695
Fibin	1.534	1.4455	1.06122449
Srgap2	9.752	9.1895	1.061211165
Celsr2	21.0765	19.864	1.061040072
1110018G07Rik	12.4435	11.7295	1.06087216
Grm1	14.8415	13.9905	1.06082699
Mrps30	8.4025	7.9215	1.060720823
Tuba4a	195.1845	184.021	1.060664272
Rnf40	6.882	6.489	1.060564031
Cox10	16.137	15.216	1.060528391
Htr7	5.5355	5.2215	1.060135976
Coro2a	12.2965	11.6005	1.059997414
Tmem229b	6.6545	6.2805	1.059549399
Ctsb	86.76	81.8995	1.059347127
Dgcr14	8.7385	8.25	1.059212121
Wdr47	24.1105	22.7685	1.058941081
5730403B10Rik	71.5105	67.5345	1.058873613
Mapre3	179.825	169.852	1.058715823
Clk3	22.527	21.279	1.058649373
Kcnn1	1.3365	1.2625	1.058613861
Slc9a8	7.3645	6.957	1.058574098
B930041F14Rik	33.601	31.75	1.058299213
Arhgef11	25.3795	23.9845	1.058162563
Elp3	22.7825	21.5305	1.058150066
Gcn111	5.0435	4.7665	1.05811392
Btbd11	11.09	10.482	1.058004198
Gm10471	1.314	1.242	1.057971014
Enkur	1.162	1.0985	1.057806099
AW209491	12.9395	12.2335	1.057710385

Slc35a4	14.4525	13.6665	1.057512897
Wscd2	8.3565	7.9035	1.057316379
Capza2	37.7265	35.682	1.057297797
4930422107Rik	5.773	5.462	1.05693885
Rtcd1	43.97	41.615	1.056590172
Nf2	13.048	12.35	1.056518219
1700123O20Rik	10.0835	9.5455	1.056361636
Surf2	51.133	48.405	1.056357814
Dtwd1	3.3655	3.1865	1.056174486
Cby1	24.161	22.882	1.055895464
Zer1	29.9835	28.3965	1.055887169
Rabep2	1.761	1.668	1.055755396
Shank3	11.676	11.0595	1.055743931
Prmt6	1.451	1.3745	1.055656602
Mapk8ip3	80.1975	75.975	1.055577493
Tnfaip1	14.248	13.5	1.055407407
Ube2e2	35.356	33.5035	1.055292731
Gltscr2	50.024	47.405	1.055247337
Spock1	72.745	68.9385	1.055215881
Tssc1	8.7275	8.271	1.055192842
Gyk	2.4775	2.3485	1.054928678
Rassf4	3.4905	3.309	1.054850408
Stx2	2.1575	2.0455	1.054754339
Tmem215	2.264	2.1475	1.054249127
Stmn4	97.0515	92.0695	1.054111296
1500003O03Rik	49.4515	46.9205	1.053942307
Lrrtm1	35.9195	34.0895	1.053682219
Rps9	289.9795	275.228	1.053597381
C2cd2l	15.007	14.2465	1.053381532
Fam189a2	1.501	1.425	1.053333333
Gart	7.878	7.48	1.053208556
Dnm1	172.7045	163.99	1.053140435
4932438A13Rik	5.6385	5.356	1.052744586
Ankrd55	21.814	20.724	1.052596024
Cacnb1	24.6895	23.466	1.052139265
Igfbp7	2.2885	2.1755	1.051942082
Pcca	10.586	10.0645	1.051815788
Atg7	11.289	10.7335	1.051753855
Zfp105	4.953	4.7095	1.051704003
Ppp2r1a	149.3985	142.0545	1.051698468
Kcnab2	28.063	26.685	1.051639498
Zzef1	3.238	3.0795	1.051469394
Adamts9	1.319	1.2545	1.051414906
Atg2b	10.4465	9.936	1.051378824
Tesk1	31.9	30.3535	1.050949643
Slc35f3	19.68	18.73	1.050720769
Slc11a2	14.032	13.3555	1.050653289
Fchsd1	2.8745	2.736	1.050621345
Zfp865	11.6695	11.1085	1.050501868
Mrpl49	28.2445	26.8935	1.050235187
Srxn1	43.9445	41.856	1.049897267
Sema3a	3.9325	3.746	1.049786439
Ppp2r2d	13.631	12.985	1.049749711
Nap115	949.0995	904.2195	1.049633966
Whamm	3.661	3.488	1.049598624

Rab3il1	1.855	1.7675	1.049504951
Myst2	32.8045	31.2575	1.049492122
Gramd1a	10.1825	9.704	1.049309563
Agap3	38.606	36.814	1.048677134
Atp6v1d	197.141	188.0325	1.048441094
Xpo6	38.923	37.132	1.04823333
8430419L09Rik	30.6215	29.218	1.048035458
Atxn7l1	81.124	77.408	1.048005374
Gtf3c3	9.0925	8.677	1.047885214
Kcnk3	6.237	5.9555	1.047267232
Srsf15	17.5355	16.754	1.046645577
Pank1	11.6785	11.16	1.046460573
Rps12	145.405	138.9515	1.046444263
Gabra5	36.7365	35.1085	1.046370537
Syvn1	18.312	17.5025	1.046250536
Daam1	37.027	35.3915	1.046211661
Klhl17	2.738	2.618	1.045836516
Gm3258	1.497	1.4315	1.0457562
Pcdh18	5.288	5.0575	1.045575877
Polr1a	8.072	7.721	1.045460433
Car11	15.7175	15.0355	1.045359316
Alkbh7	21.6045	20.6685	1.045286305
Rabepk	5.2305	5.005	1.045054945
Rhbdd2	25.312	24.233	1.04452606
Rab10	45.9655	44.0125	1.044373757
Mcm2	1.377	1.3185	1.044368601
Gm5745	1.2855	1.231	1.044272949
Ly6e	109.5595	104.928	1.044139791
Rhbdl1	6.1185	5.861	1.043934482
Snx7	7.667	7.3445	1.043910409
Clcn4-2	8.902	8.529	1.043733146
Mrps31	34.773	33.317	1.043701414
Hrh3	17.9395	17.1905	1.043570577
Bex1	205.4675	196.902	1.043501336
Fam73b	7.255	6.9535	1.043359459
Dnajb5	16.57	15.8835	1.043220953
Fscn1	39.888	38.2355	1.043218998
Fam65b	19.2925	18.4965	1.043035169
Galnt1	14.534	13.9345	1.043022713
Dlgap3	5.323	5.1045	1.042805368
Eftud1	3.9075	3.748	1.04255603
Ciao1	17.2375	16.5345	1.042517161
Gm6813	6.712	6.4385	1.042478838
Lemd3	3.547	3.4025	1.042468773
Ddx1	42.4365	40.7125	1.042345717
Pgap1	6.9265	6.6455	1.042284253
Hdac10	1.2085	1.1595	1.042259595
Vps41	35.238	33.8355	1.041450548
Rnf185	14.268	13.7005	1.041421846
Rpl18a	398.8015	383.003	1.041249024
Rragd	25.346	24.348	1.040988993
Asah1	8.0035	7.69	1.04076723
Acaal1a	8.7155	8.3745	1.040718849
Intu	4.835	4.646	1.040680155
Vti1b	87.386	83.9865	1.040476743

Ankrd50	8.3585	8.0335	1.040455592
B230217C12Rik	126.719	121.798	1.040402962
Snap47	188.019	180.73	1.04033088
Acadm	8.0965	7.788	1.039612224
Zfp408	8.014	7.7095	1.039496725
4930455C21Rik	25.2075	24.25	1.039484536
Fstl5	9.8425	9.469	1.039444503
Rfng	14.6515	14.1	1.039113475
Tmem67	2.849	2.742	1.039022611
Fam78b	23.518	22.635	1.039010382
Dclk2	15.1095	14.543	1.038953448
Tmem38a	20.841	20.06	1.0389332
Slc17a8	2.0025	1.9275	1.038910506
2310011J03Rik	3.9045	3.759	1.038707103
Dgke	9.4	9.0505	1.038616651
Bcap31	27.0605	26.058	1.03847187
Rufy1	8.785	8.461	1.038293346
Lipa	11.5965	11.1695	1.038229106
Trim32	65.522	63.116	1.038120286
Rnf167	16.1125	15.5215	1.038076217
Crhr1	1.19	1.1465	1.037941561
Las1l	15.8635	15.284	1.037915467
Sec13	25.8905	24.957	1.037404335
Inpp5a	12.716	12.258	1.037363355
Abt1	7.387	7.123	1.037063035
Amigo1	16.3555	15.772	1.036995942
Cpsf6	10.781	10.3975	1.036883866
Armex5	14.9025	14.373	1.036839908
Trmt61a	22.058	21.29	1.036073274
Ythdc1	16.928	16.3445	1.035700083
Tmem104	6.549	6.3255	1.035333175
Prpf3	10.1895	9.8425	1.035255271
Klhdc2	95.295	92.06	1.035140126
Mipep	9.708	9.3795	1.035023189
Gdi2	57.569	55.6225	1.034994831
Zfp503	2.293	2.216	1.034747292
Cinp	11.6	11.2105	1.034744213
Gatad1	28.8575	27.895	1.034504391
Itgb1	7.2315	6.9905	1.034475359
Usp51	2.416	2.3355	1.034467994
Gfra4	9.2295	8.922	1.034465367
Trappc3	104.0575	100.6335	1.034024455
Ola1	46.9025	45.3605	1.033994334
Sc4mol	13.2595	12.826	1.033798534
Setmar	1.945	1.8815	1.033749668
Vipar	15.2915	14.7935	1.033663433
Pacs1	49.788	48.179	1.033396293
Pkm2	277.133	268.2155	1.033247519
Far2	6.9095	6.6875	1.033196262
Fstl1	7.1075	6.8795	1.033141943
Dlg4	117.979	114.1985	1.033104638
Zechc12	107.6645	104.215	1.033099842
Rpl37	258.589	250.329	1.032996577
Fam82a2	8.5835	8.3095	1.032974307
Stt3a	7.791	7.543	1.032878165

Map2k4	91.939	89.0155	1.032842595
Fbxo17	6.154	5.9585	1.032810271
Ypel1	1.4555	1.4095	1.032635686
Ckap4	12.9055	12.5	1.03244
Sncg	28.2645	27.3815	1.032248051
Usp22	78.7325	76.289	1.032029519
AU040320	6.355	6.1585	1.03190712
Tmem143	5.695	5.5195	1.031796358
2210016F16Rik	7.897	7.655	1.031613325
Snap91	100.8055	97.7245	1.031527406
Astn2	5.8625	5.6835	1.031494678
Clvs2	14.917	14.462	1.031461762
Aldoa	615.1715	596.421	1.031438363
Dusp7	16.729	16.2195	1.031412806
4732456N10Rik	1.5285	1.482	1.031376518
LOC100502792	2.057	1.9945	1.031336174
Gpr56	20.0805	19.4825	1.030694213
Bola3	14.89	14.448	1.03059247
Dgat1	3.875	3.76	1.030585106
Clk4	17.0715	16.568	1.030389908
Nkiras2	1.0695	1.038	1.030346821
Ptpro	7.3835	7.1665	1.030279774
Gpx3	119.1885	115.722	1.02995541
Tmem129	4.6315	4.4975	1.02979433
Mdga2	19.503	18.941	1.029671084
Nat10	3.9985	3.8835	1.029612463
Gm9104	8.003	7.773	1.029589605
Actl6b	13.5715	13.1815	1.029586921
Mybl1	3.293	3.1985	1.029545099
Gm15427	163.4345	158.764	1.029417878
Chid1	5.0265	4.883	1.029387672
Prpsap2	18.322	17.801	1.029268019
Sf1	34.29	33.316	1.029235202
Siah2	4.4365	4.3105	1.029230948
Wdr5b	1.839	1.787	1.029099049
Sar1a	78.6105	76.3895	1.029074676
Hnmt	4.838	4.7015	1.029033287
Ncs1	61.376	59.648	1.028969957
Casp9	5.5385	5.3835	1.028791678
Arl2bp	52.248	50.786	1.028787461
Tomm5	59.6755	58.0235	1.028471223
Sympk	14.302	13.9075	1.02836599
Angel2	11.5055	11.1905	1.028148876
Slc30a1	6.0755	5.9115	1.027742536
Slc9a1	18.99	18.478	1.027708626
Tmem50a	54.287	52.826	1.027656836
Slc7a8	8.1795	7.9595	1.027639927
Efha2	74.185	72.1995	1.02750019
Fundc1	25.222	24.5475	1.02747734
Chchd3	20.029	19.4935	1.027470695
Hspd1	116.182	113.0825	1.027409192
Mmp15	2.074	2.0195	1.026986878
Mageh1	10.543	10.269	1.026682248
Zfp383	3.2665	3.183	1.026233113
Optc	5.489	5.349	1.026173116

Ulk3	5.3245	5.1905	1.025816395
Prkaca	291.643	284.3385	1.025689451
Bst2	5.0835	4.957	1.025519467
Ilk	44.04	42.958	1.025187392
Hes6	3.723	3.632	1.025055066
Med22	3.55	3.4635	1.024974737
Fam169a	14.196	13.8525	1.024796968
Prune	9.7295	9.499	1.024265712
Shisa5	50.1675	48.981	1.024223679
Hdgf	54.254	52.977	1.0241048
Acvr1	5.381	5.2555	1.023879745
Arfgap1	17.8225	17.4095	1.02372268
Dlg3	18.7355	18.302	1.023685936
2310008H09Rik	9.492	9.2735	1.023561762
Tmem127	23.9295	23.3805	1.023481106
Rab3ip	15.321	14.97	1.023446894
Peo1	1.916	1.8725	1.023230975
Nsmaf	5.4875	5.3635	1.023119232
Pcdhga10	3.2285	3.156	1.022972117
Usp15	11.328	11.0765	1.022705728
Grk6	5.361	5.242	1.022701259
Cdbl	18.46	18.051	1.022658024
C530028O21Rik	132.1185	129.193	1.022644416
Inadl	6.843	6.6915	1.022640664
Comt1	29.776	29.1185	1.022580147
Cdk5r1	33.8735	33.133	1.022349319
Cdk8	14.511	14.194	1.02233338
Tmem49	15.5205	15.1815	1.022329809
Gm9855	3.494	3.4185	1.02208571
AU022870	7.444	7.2835	1.022036109
2900055J20Rik	12.096	11.8355	1.022010055
Serp2	120.578	117.9985	1.021860447
1110059E24Rik	20.1735	19.7465	1.021624085
Slc4a10	13.297	13.016	1.021588814
Ttc28	4.013	3.9285	1.021509482
Fgf13	25.768	25.2365	1.021060765
Oscp1	13.623	13.3425	1.021023047
Actn4	12.008	11.761	1.021001616
LOC100504516	1.4315	1.4025	1.020677362
Scg2	168.033	164.6335	1.020648896
Rrn3	28.6885	28.111	1.020543559
Phf8	9.8735	9.675	1.020516796
Ino80e	27.768	27.2165	1.020263443
Lynx1	149.4885	146.5235	1.020235662
Gstcd	1.4985	1.469	1.020081688
Tmem178	8.2	8.039	1.020027367
Gmcl1	7.027	6.8895	1.019957907
Hscb	23.443	23.011	1.01877363
Riok1	6.078	5.966	1.018773047
Wdr75	12.4215	12.1935	1.018698487
Tmem184c	16.4865	16.185	1.01862836
Zcchc16	4.299	4.2205	1.018599692
Commd10	6.84	6.7155	1.0185392
Zmat5	16.722	16.4215	1.018299181
Sdhaf2	8.474	8.3235	1.018081336

Slc8a3	25.7125	25.265	1.01771225
Pot1b	21.1755	20.8095	1.017588121
Pim2	19.756	19.417	1.017458928
Nagk	17.099	16.8085	1.017282922
Lman2l	6.441	6.332	1.01721415
Kcna4	4.1615	4.0915	1.01710864
Pafah1b1	86.918	85.47	1.016941617
St3gal3	5.6555	5.5625	1.016719101
Lmo4	26.7215	26.2825	1.016703129
Tmem165	5.8575	5.7615	1.016662328
Sbds	54.3455	53.457	1.016620835
Nmral1	17.9765	17.6835	1.016569118
Hist2h3c2-ps	1.422	1.399	1.016440315
2900073G15Rik	6.8835	6.773	1.016314779
Zbtb22	5.2685	5.187	1.015712358
Capn10	5.755	5.666	1.01570773
9130011J15Rik	28.9795	28.5335	1.01563075
Limd2	6.175	6.08	1.015625
Dnmt1	14.565	14.3475	1.015159435
Bat2l2	96.824	95.399	1.014937263
Rbm8a	22.2675	21.941	1.014880817
Mmab	15.339	15.1175	1.014651894
Gpr165	36.6565	36.1295	1.014586418
Ryr2	7.442	7.3355	1.014518438
Fam49a	15.745	15.526	1.014105372
Exosc1	13.324	13.1415	1.013887304
Mtap1s	8.6135	8.497	1.013710721
Lrrc4	11.2655	11.115	1.013540261
Herc1	13.927	13.742	1.013462378
Vps4b	10.0165	9.8865	1.013149244
Upf3a	12.3205	12.163	1.012949108
Nhlrc3	1.6505	1.6295	1.012887389
Clk2	11.3505	11.207	1.012804497
Efna3	4.5545	4.497	1.012786302
Gm10335	1.404	1.3865	1.012621709
Gdap2	7.234	7.144	1.012597984
Eml2	20.0925	19.8435	1.01254819
Gm8841	1.7845	1.7625	1.01248227
Pcbp4	15.0925	14.9075	1.012409861
Dynlt1b	7.5975	7.505	1.012325117
Ankrd49	4.9795	4.9205	1.011990651
Hunk	5.4155	5.3515	1.011959264
Eif4h	103.4355	102.2235	1.011856374
4933407C03Rik	396.6265	391.995	1.011815202
Parn	9.0015	8.8965	1.011802394
Ercc1	7.619	7.531	1.011685035
Evi5l	18.8135	18.599	1.011532878
B4galt5	18.1305	17.925	1.011464435
Rpl23a	485.6065	480.2	1.01125885
Nsg2	221.226	218.787	1.011147829
Rsph3a	15.292	15.126	1.010974481
Mzt2	16.099	15.929	1.010672359
Hip1r	3.857	3.8165	1.010611817
Ube2l3	138.401	136.9755	1.010406971
Coasy	8.6775	8.5905	1.010127466



Deblid2	3.946	3.9065	1.010111353
Ubr5	15.707	15.5505	1.010063985
Mcm3ap	5.9095	5.852	1.009825701
Tppp3	125.1855	123.9705	1.009800719
Lin9	2.8705	2.843	1.009672881
Setdb1	4.915	4.868	1.009654889
Oat	23.1135	22.8965	1.009477431
Nckap1	52.8025	52.3105	1.009405378
Tbc1d9	16.8555	16.7	1.009311377
Elovl4	13.063	12.943	1.009271421
Dhx15	26.7985	26.5545	1.00918865
Anp32a	67.6175	67.0225	1.008877616
Anapc1	5.5565	5.508	1.008805374
Rbm19	1.857	1.841	1.008690929
Psmb5	103.025	102.141	1.008654703
Slc25a20	6.2	6.15	1.008130081
Zfp1	12.655	12.5535	1.008085395
H3f3a	161.7235	160.4285	1.008072132
Oaz1	473.012	469.2325	1.008054642
Rasd2	15.048	14.93	1.00790355
Gm10071	2.939	2.916	1.007887517
Ube2q1	54.4725	54.0465	1.007882102
Acp2	16.7055	16.5775	1.007721309
C330018D20Rik	4.029	3.9985	1.00762786
Cpe	133.7825	132.775	1.007588025
Kctd15	2.916	2.8945	1.00742788
Tmem126a	49.5925	49.2285	1.007394091
Osbpl1a	22.023	21.8665	1.007157067
Rab11a	23.493	23.3275	1.007094631
Pde9a	5.973	5.931	1.007081437
Zfyve19	7.734	7.681	1.006900143
Klhl23	4.959	4.9255	1.00680134
Ccdc25	28.995	28.801	1.006735877
Fbrs	23.3575	23.2025	1.006680315
5830418K08Rik	2.869	2.85	1.006666667
Gm10036	7.8995	7.8475	1.006626314
Pomt1	2.7815	2.7635	1.006513479
Ina	114.1345	113.4255	1.006250799
Bai2	8.871	8.8165	1.006181591
Stx7	35.2505	35.041	1.005978711
Snd1	15.1	15.011	1.005928985
Ap1g1	32.5895	32.4035	1.005740121
Gars	40.4015	40.171	1.00573797
Znhit3	33.768	33.5765	1.005703394
Aspdh	1.3845	1.377	1.005446623
Pycr2	6.472	6.437	1.005437316
Spred2	45.1715	44.9305	1.00536384
Scp2	17.114	17.024	1.005286654
Tagap1	23.2015	23.0815	1.005198969
Atf4	72.5415	72.1755	1.005070973
Copb2	36.203	36.0225	1.005010757
Syn2	98.1505	97.6735	1.004883617
Supv3l1	7.3165	7.2825	1.004668726
Cirh1a	19.3025	19.218	1.00439692
Pdzk1	2.199	2.1895	1.00433889

Vmn1r65	5.3485	5.326	1.004224559
Atg9b	6.0815	6.056	1.0042107
Polb	16.193	16.1305	1.003874647
1190002N15Rik	8.8925	8.86	1.003668172
App	240.628	239.8235	1.00335455
Rps3	129.5075	129.078	1.003327445
Dact3	15.706	15.655	1.003257745
Elof1	26.0745	25.99	1.00325125
Psm12	102.3345	102.0115	1.00316631
Galnt11	5.0435	5.029	1.002883277
Dpfl	7.8465	7.824	1.002875767
Tspyl1	83.387	83.162	1.002705563
Tapbp	10.881	10.8525	1.002626123
Ndufa10	141.926	141.597	1.002323496
Vopp1	13.327	13.3015	1.001917077
Rdh13	8.1975	8.182	1.001894402
Oprm1	16.294	16.265	1.00178297
Becn1	20.429	20.3955	1.001642519
Kcnc3	14.221	14.2015	1.001373094
Lsm6	18.2405	18.2155	1.001372458
Jph3	17.171	17.148	1.001341264
Cdk14	33.281	33.238	1.0012937
Thra	103.057	102.9295	1.001238712
Cnrip1	68.567	68.492	1.001095018
1700016K19Rik	2.302	2.2995	1.001087193
Myo1h	13.461	13.447	1.001041124
Irs4	42.276	42.2325	1.001030012
Vps35	33.6535	33.62	1.000996431
Det1	1.278	1.277	1.000783085
Igf2r	3.144	3.142	1.000636537
Mrpl1	7.295	7.291	1.000548622
Baz1b	20.765	20.7595	1.000264939
Ppp1cc	53.892	53.882	1.000185591
4933421E11Rik	13.171	13.1745	0.999734335
Pnck	81.3105	81.3395	0.99964347
Mboat7	37.241	37.2595	0.999503482
Lphn1	60.42	60.451	0.999487188
1500010J02Rik	5.9755	5.9795	0.999331048
Sdha	169.295	169.409	0.999327072
Cdk5	34.082	34.108	0.999237715
Ahi1	280.1875	280.421	0.999167323
Psm17	76.0455	76.1255	0.998949104
Trnp1	21.8535	21.8775	0.998902983
Gapdh	5236.8085	5242.685	0.998879105
Rasal1	2.9075	2.911	0.998797664
Zc3h10	5.07	5.0765	0.99871959
Tacr1	5.2085	5.2155	0.998657847
Calm3	415.6395	416.226	0.99859091
Slc25a16	16.2975	16.321	0.998560137
Tulp3	6.0205	6.03	0.998424544
Otof	2.12	2.1235	0.998351778
Rtn4ip1	7.8005	7.8135	0.998336213
Auh	44.3655	44.442	0.998278655
Fxr2	13.289	13.3125	0.998234742
Stoml1	5.324	5.334	0.998125234

Lrrfip2	10.0995	10.121	0.997875704
Chn2	35.169	35.2455	0.99782951
Rap1b	9.4635	9.485	0.997733263
Laptm4a	18.157	18.1985	0.997719592
Stxbp6	20.8675	20.9175	0.997609657
B230208H17Rik	36.18	36.267	0.997601125
Plxna1	14.083	14.117	0.997591556
Gpr19	15.859	15.899	0.997484118
Scoc	149.156	149.543	0.997412116
Cnot1	30.927	31.01	0.997323444
Ythdc2	4.456	4.469	0.997091072
Tmed10	27.5315	27.6175	0.996886032
Commd8	12.3605	12.401	0.996734134
Tmem167b	26.709	26.7985	0.996660261
Gas2l1	10.4265	10.4615	0.996654399
Adam23	26.1315	26.229	0.99628274
5730455O13Rik	11.441	11.4845	0.996212286
Nacc1	40.466	40.6215	0.996171978
Trappc9	33.894	34.0275	0.996076703
Mtif2	11.4115	11.4595	0.995811336
Zfp39	9.081	9.12	0.995723684
Lrp12	5.8935	5.9195	0.995607737
Bin1	70.382	70.6955	0.995565489
Hsf2	9.489	9.534	0.99528005
Zfp202	2.4665	2.479	0.994957644
Itpka	1.1805	1.1865	0.99494311
Ctnna2	15.9665	16.049	0.994859493
Rps6kc1	11.158	11.2175	0.994695788
Cpne5	7.479	7.5205	0.99448175
Gm8101	6.668	6.7055	0.994407576
Pacrgl	7.272	7.3135	0.994325562
4833424O15Rik	4.5155	4.542	0.994165566
Dbc1	22.6155	22.7535	0.993934999
Pcp4l1	55.0255	55.362	0.993921824
Ccdc90a	1.8675	1.879	0.993879723
Csmd3	2.919	2.938	0.993533016
Degs1	31.425	31.63	0.993518811
Pcnx13	5.8	5.8385	0.993405841
Klhl29	7.523	7.575	0.993135314
Cand1	24.024	24.2035	0.992583717
Suox	6.6855	6.736	0.992502969
Rab13	12.857	12.9565	0.992320457
Nup205	1.7895	1.8035	0.992237316
Zfp280b	14.553	14.668	0.992159804
6530401N04Rik	10.8415	10.928	0.992084553
Clasp1	24.3425	24.5395	0.991972127
Rabgef1	10.6105	10.6975	0.991867259
Pigt	35.7355	36.029	0.991853784
Ccdc88c	2.209	2.2275	0.991694725
St3gal4	4.405	4.442	0.991670419
Tnr	9.699	9.781	0.991616399
Wipi2	18.981	19.1445	0.991459688
Pfkm	58.5105	59.051	0.990846895
Trex1	5.7005	5.7535	0.990788216
Gigyf1	3.8825	3.919	0.9906864

Nudt11	10.8395	10.943	0.990541899
Slmo1	30.997	31.3	0.990319489
Dsel	1.747	1.7645	0.990082176
Ubqln2	65.6725	66.3575	0.989677128
Bpil2	10.274	10.3825	0.989549723
Acat2	21.096	21.319	0.989539847
Nol11	6.0425	6.1065	0.989519365
Rer1	33.26	33.613	0.989498111
Rps15a	59.0025	59.652	0.989111849
Wdr7	48.2095	48.755	0.988811404
Adar	37.4835	37.909	0.988775752
Tb13	5.3235	5.3845	0.988671186
Dpysl3	17.265	17.466	0.988491927
Zfyve20	10.2865	10.4075	0.988373769
Grin3a	8.2585	8.3585	0.988036131
Flcn	9.3865	9.501	0.987948637
Ttc3	221.7525	224.4915	0.987799093
Mmp24	12.8755	13.0355	0.987725826
Ehmt2	12.2085	12.362	0.987582915
Erc2	20.7045	20.965	0.987574529
Gm11964	5.716	5.788	0.98756047
Zswim3	4.377	4.433	0.987367471
1500002O20Rik	4.1305	4.1835	0.987331182
Iah1	6.242	6.3225	0.987267695
Dalrd3	25.539	25.873	0.98709079
Cacna1e	15.081	15.2785	0.987073338
Adap1	17.893	18.128	0.987036628
Odz3	11.7045	11.8585	0.987013535
Mkrn1	32.524	32.96	0.986771845
Gm9000	1.142	1.1575	0.986609071
Nsf	323.8535	328.324	0.986383877
Pja1	112.1805	113.7335	0.986345272
Sel113	1.757	1.7815	0.986247544
Slc38a10	5.931	6.014	0.986198869
Nrbf2	8.4275	8.5465	0.986076172
Skiv212	40.805	41.382	0.98605674
Nanos1	6.9555	7.0545	0.985966404
Socs6	4.3345	4.3965	0.985897873
Hif1a	9.711	9.8525	0.985638163
Rpf1	10.541	10.696	0.985508601
Uba5	35.873	36.409	0.985278365
Lmo1	2.888	2.9315	0.98516118
Dync1li1	37.2615	37.846	0.984555832
Rnf215	3.35	3.403	0.984425507
Mfng	2.7045	2.7475	0.984349409
2310028H24Rik	38.5095	39.1225	0.984331267
Pex14	15.2535	15.4985	0.984192019
Slc25a38	16.2015	16.463	0.984115896
Bat2	71.386	72.5405	0.984084753
Fzd5	1.6385	1.665	0.984084084
BC013529	4.5615	4.6355	0.984036242
Brd1	13.4555	13.6755	0.983912837
Thada	3.884	3.9485	0.983664683
Vps53	51.096	51.954	0.983485391
Rpl7a	443.439	450.8945	0.98346509

Setd6	10.543	10.7205	0.983442936
Tmem110	3.1055	3.158	0.983375554
Cnnm1	30.062	30.576	0.98318943
Ctnnb1	84.55	86.018	0.982933805
Ddrgk1	16.253	16.5355	0.982915545
Bat2l	61.374	62.4425	0.982888257
Hcn2	4.092	4.164	0.982708934
Adcy3	4.383	4.4605	0.982625266
Pvr1l	5.716	5.818	0.982468202
Tmco1	8.065	8.209	0.982458278
Usp38	7.2935	7.424	0.982421875
Tm6sf1	1.134	1.1545	0.982243395
2410001C21Rik	14	14.2585	0.981870463
Ccdc137	8.611	8.772	0.981646147
Samd10	12.826	13.07	0.981331293
Rbbp7	29.0985	29.6575	0.981151479
Prss30	1.247	1.271	0.981117231
B230120H23Rik	7.6195	7.771	0.98050444
Slc35a2	6.2	6.3235	0.980469677
Ssbp2	17.867	18.225	0.980356653
Ogfod1	93.62	95.5105	0.980206365
Der1l	12.8765	13.14	0.979946728
Srsf13b	30.7355	31.3765	0.979570698
Spef1	1.1945	1.2195	0.979499795
Metap2	32.5665	33.2515	0.979399426
Carm1	29.717	30.346	0.979272392
Parm1	25.379	25.9175	0.979222533
Mobkl2a	5.968	6.096	0.979002625
Wnt7a	1.6075	1.642	0.978989038
Ube2o	20.058	20.49	0.978916545
Rpn1	18.7465	19.154	0.97872507
Ttc35	16.972	17.3425	0.978636298
Rpl2l	305.2705	311.974	0.978512632
G3bp2	233.095	238.224	0.978469844
LOC100503125	2.7705	2.8315	0.978456648
Tnfrsf21	43.5165	44.475	0.978448567
Aasdh	1.588	1.6235	0.978133662
Ptov1	49.786	50.91	0.977921823
Dpy19l1	9.9355	10.16	0.977903543
Stard10	8.7125	8.9095	0.97788877
Chrna4	13.5905	13.8995	0.977768984
Rgl1	29.401	30.077	0.977524354
Mto1	7.4945	7.6675	0.977437235
Nalcn	11.886	12.1605	0.977426915
Ldoc1l	11.7455	12.017	0.977407007
Dhx57	16.593	16.979	0.977266035
Rpl3l	146.219	149.634	0.977177647
Gm9883	1.004	1.0275	0.977128954
Detn2	49.735	50.9055	0.977006414
Cd200r2	4.732	4.8435	0.976979457
Mthfd1	5.0815	5.2015	0.976929732
Slc46a3	2.1585	2.2095	0.976917855
Akirin2	18.6455	19.095	0.976459806
Zwint	139.249	142.611	0.976425381
Rnf146	7.127	7.3	0.97630137

Zfp422	12.2125	12.509	0.976297066
Mtap7d2	92.3325	94.5805	0.976231887
Chchd5	10.3815	10.6365	0.976025948
Ercc3	20.7315	21.2455	0.975806641
Gmpr	7.616	7.805	0.975784753
Isl1	12.9025	13.2235	0.975725035
Epb4.114a	5.5795	5.72	0.975437063
Kctd5	3.3505	3.435	0.975400291
Pbx3	44.2755	45.3925	0.975392411
Gm10931	2.7985	2.87	0.975087108
Lmb1	1.8185	1.865	0.975067024
Rab5c	64.395	66.0455	0.975009652
Mon2	8.78	9.0055	0.974959747
Oas3	3.479	3.5685	0.974919434
Psmf1	11.245	11.5355	0.97481687
Ntng2	2.473	2.537	0.974773354
Ddx5	114.818	117.791	0.974760381
Lsm14b	17.2455	17.694	0.974652425
Ndr3	174.7635	179.3615	0.974364621
Stard7	23.4125	24.029	0.974343502
Gm16532	18.6395	19.131	0.974308714
Larp7	16.82	17.264	0.974281742
Gorasp2	50.3035	51.6425	0.974071743
Nisch	82.048	84.241	0.973967545
Cntnap4	8.4795	8.707	0.973871598
Adss	36.469	37.449	0.973831077
Pdp1	12.769	13.1125	0.973803622
Slc35a5	4.3335	4.4505	0.973710819
Pigs	20.533	21.0945	0.973381687
Synpo	7.6055	7.8135	0.973379407
Tor2a	3.0685	3.153	0.973200127
Rexo1	6.8545	7.045	0.972959546
Txndc11	5.721	5.8815	0.972711043
Ltv1	10.23	10.5175	0.972664607
Gab2	8.8355	9.084	0.97264421
Nhlrc1	8.858	9.1075	0.972604996
Ccnk	54.7045	56.2505	0.9725158
Cerk	5.89	6.057	0.972428595
Mtfmt	6.2595	6.4375	0.972349515
Cpsf7	22.5365	23.1775	0.972343868
Plch1	5.179	5.3275	0.972125763
Uap1	10.4275	10.7305	0.971762732
Isoc1	19.845	20.422	0.971746156
Cand2	3.7245	3.833	0.971693191
Mn1	3.0765	3.1665	0.971577451
Fam43b	3.2925	3.389	0.971525524
Hprt	127.648	131.3955	0.971479236
Fgd1	5.377	5.535	0.971454381
Lhx6	65.393	67.3175	0.971411594
Pola2	3.0345	3.1245	0.971195391
Mid2	12.6445	13.021	0.97108517
6030458C11Rik	17.4875	18.0235	0.970261048
Fto	59.7875	61.6355	0.970017279
LOC100504245	3.042	3.1375	0.969561753
Hcrtr2	1.3675	1.4105	0.969514357

Csnk1a1	65.855	67.9295	0.969460985
Ctnnb1	5.4495	5.6225	0.969230769
Dld	49.789	51.37	0.969223282
Tspan12	3.403	3.5115	0.969101524
Klhl1	7.8585	8.1095	0.969048647
Vps26b	21.7645	22.46	0.969033838
Zcchc18	88.77	91.6185	0.968909118
C330006K01Rik	2.3955	2.4725	0.968857432
Exosc3	13.68	14.121	0.968769917
Lrwd1	1.3345	1.378	0.968432511
Tnnt2	14.753	15.235	0.968362324
Fam179b	8.7505	9.04	0.967975664
Tsnax	90.8025	93.817	0.967868297
Eif5b	32.5785	33.6635	0.967769246
Gm9776	5.229	5.4035	0.967706116
Rab5a	24.9535	25.791	0.967527432
Poldip3	38.049	39.327	0.967503242
Atp6ap1	89.1545	92.184	0.967136379
Hmgxb3	4.575	4.7305	0.967128211
Mcm6	1.235	1.277	0.967110415
Dnajc2	29.2415	30.2405	0.966964832
Rpl5	102.58	106.09	0.966914884
Puf60	45.9835	47.5575	0.966903222
Spnb3	5.72	5.9165	0.966787797
Gse1	14.6055	15.1125	0.966451613
Brp16	5.528	5.72	0.966433566
Tnfrsf11a	5.1605	5.34	0.966385768
Ltbp4	2.7475	2.8435	0.96623879
Dnajb1	59.056	61.1245	0.966159232
Ywhaq	166.7185	172.6675	0.965546498
Os9	12.782	13.24	0.965407855
Efha1	19.357	20.052	0.965340116
Fstl4	2.1015	2.177	0.965319247
Gnl1	26.5505	27.505	0.965297219
Epdr1	24.6795	25.57	0.965174032
Prep	7.937	8.2245	0.965043468
Rbm14	7.2835	7.548	0.964957605
Reln	2.9	3.0055	0.964897688
Nlgn2	37.263	38.633	0.964538089
Gnao1	627.109	650.231	0.96444033
Abca3	6.697	6.944	0.964429724
Morc2a	10.4655	10.8525	0.964340014
Gm13308	9.958	10.3265	0.964315112
Eif3f	47.35	49.105	0.964260259
Abhd13	3.6135	3.7485	0.963985594
Spock3	15.063	15.626	0.963970306
Thoc4	5.831	6.05	0.963801653
Lrrn2	18.529	19.2275	0.963671824
Syn1	239.8155	248.857	0.96366789
Tefcp2l1	1.6475	1.71	0.963450292
Extl2	26.976	28	0.963428571
Cyp46a1	22.937	23.808	0.963415659
Uba3	17.9285	18.613	0.963224628
Fbxw5	49.6005	51.5005	0.963107154
Jkamp	15.5115	16.107	0.963028497

Tmem109	3.9535	4.1055	0.962976495
Rab28	14.119	14.6645	0.962801323
Acrbp	1.6405	1.704	0.962734742
Wdfy3	24.8735	25.8395	0.962615376
Zcchc14	11.2385	11.6755	0.962571196
Nkx2-1	6.6	6.857	0.962520053
Farp2	2.0785	2.1595	0.962491317
Atp2b4	16.833	17.49	0.962435678
Fgf12	61.4885	63.8945	0.962344177
Gpbp1	46.441	48.2595	0.9623183
Stmn2	259.994	270.2045	0.962211954
Wdr33	8.1805	8.5025	0.962128786
Kbtbd2	24.8655	25.8475	0.962007931
Olfm3	9.8125	10.204	0.961632693
Syt9	8.2135	8.542	0.961542964
Ppme1	41.0985	42.7565	0.96122227
Gstm3	1.111	1.156	0.961072664
Ptpn	66.7135	69.421	0.960998833
Gpr158	12.5845	13.0995	0.960685522
Slc25a17	24.3515	25.349	0.960649335
Mon1a	6.0405	6.288	0.960639313
Dock1	3.7345	3.8885	0.96039604
Hapln4	34.4	35.8225	0.96029032
Slc6a1	70.1865	73.103	0.960104236
Gmps	23.412	24.3855	0.960078735
Zmat2	52.9375	55.139	0.960073632
Cpne2	39.105	40.734	0.960008838
Hnrnph1	108.0975	112.613	0.959902498
Rragb	17.9155	18.664	0.959896057
Vps45	5.775	6.0165	0.959860384
Mcoln1	7.1945	7.4955	0.959842572
Cdk5rap1	1.8955	1.976	0.959261134
Mkl1	8.5415	8.909	0.958749579
Brap	14.908	15.552	0.958590535
Ube2z	21.3015	22.2285	0.958296781
Uba6	8.1175	8.4715	0.958212831
Dars	16.3655	17.0795	0.958195498
Zfp426	14.294	14.9205	0.958010791
Ccdc64	2.052	2.142	0.957983193
Camkk1	10.6885	11.1605	0.957707988
Ift57	19.736	20.62	0.957129001
Pik3r3	11.9265	12.4665	0.956683913
Gatc	56.3395	58.893	0.956641706
Lgi1	20.0505	20.963	0.956470925
Eif4a3	31.7465	33.195	0.95636391
6330439K17Rik	82.281	86.0395	0.956316576
E2f1	9.6475	10.0885	0.956286861
Mgp	1.89	1.9765	0.95623577
A330021E22Rik	4.1605	4.351	0.956216962
Glrb	39.7835	41.6105	0.956092813
D16H22S680E	15.351	16.056	0.956091181
Ube2k	51.649	54.021	0.95609115
Umps	2.93	3.065	0.955954323
Sert1	14.6175	15.295	0.955704479
Eef1a1	1101.6225	1152.751	0.955646536



Celsr3	4.061	4.2495	0.95564184
Smchd1	3.6175	3.7855	0.955620129
Yipf4	4.4625	4.67	0.955567452
Sipa1l3	12.3035	12.8795	0.955277767
Yme1l1	12.97	13.578	0.955221682
Xk	12.093	12.66	0.95521327
Hltf	5.234	5.48	0.955109489
Gm15800	30.909	32.363	0.95507215
Trim62	13.4815	14.1245	0.954476265
Pih1d1	6.0325	6.3205	0.954433985
Vcp	80.8825	84.745	0.95442209
Baiap2	21.1585	22.1695	0.954396806
Snarin	55.189	57.8265	0.954389424
Rpl13	377.284	395.3865	0.954215685
Ncaph2	5.1285	5.375	0.954139535
Fchsd2	36.37	38.125	0.953967213
Nqo1	1.0745	1.1265	0.953839325
Itm2c	90.118	94.493	0.953700274
Rab11fip3	20.097	21.077	0.953503819
Myo10	7.2485	7.602	0.953499079
Ric8	10.6345	11.157	0.953168414
Chga	29.5325	30.9915	0.952922576
Zfp94	4.1395	4.3445	0.952813903
Sv2b	12.762	13.3995	0.952423598
Eid2b	8.6005	9.0305	0.952383589
Capzb	220.379	231.41	0.95233136
Vps52	11.8225	12.4165	0.952160432
Rpl13a	237.651	249.6185	0.952056839
1700040L02Rik	1.573	1.6525	0.951891074
Chd5	38.2645	40.2065	0.951699352
Ptk2b	4.8705	5.118	0.951641266
Ttc4	8.409	8.837	0.951567274
Hsbp1l1	2.0485	2.153	0.951463075
Guk1	57.7875	60.737	0.951438168
Whsc2	28.79	30.262	0.951358139
Rsrc2	46.037	48.3935	0.951305444
Usp5	29.8655	31.395	0.951282051
5730469M10Rik	101.9355	107.17	0.95115704
Zfp420	5.951	6.261	0.950487143
Jagn1	43.415	45.68	0.950415937
H2-Eb1	4.588	4.8275	0.9503884
Ahsa2	5.6735	5.972	0.950016745
Prickle1	10.296	10.839	0.949903128
Tmem28	4.6445	4.8895	0.949892627
Ptptr	13.6745	14.3965	0.949848922
Limch1	10.413	10.963	0.949831251
Orai2	9.49	9.9915	0.949807336
Eef2	280.9785	295.884	0.949623839
Hist3h2a	16.069	16.9215	0.949620306
Rpl11	401.6485	423.1735	0.949134339
Mrpl19	10.7335	11.309	0.949111327
Aff2	42.4965	44.7815	0.948974465
Cendbp1	78.457	82.688	0.948831753
Atl1	23.671	24.948	0.948813532
Ntm	104.688	110.3505	0.948686232

Cs	105.4665	111.174	0.948661558
Sec24d	4.388	4.6255	0.9486542
Nedd4	123.581	130.2785	0.948590903
Synpo2	1.3375	1.41	0.94858156
Snrnp25	6.6665	7.029	0.948427941
Tmed1	3.446	3.6335	0.948396863
Yars	26.1085	27.531	0.948330972
Hdgfrp2	22.5565	23.7895	0.948170411
Tpp2	6.6895	7.0555	0.948125576
Zfp30	7.1035	7.4925	0.948081415
Tpml	110.809	116.922	0.947717282
Fam116b	3.2335	3.412	0.947684642
Zcchc2	7.33	7.736	0.947518097
Sostdc1	4.8705	5.1405	0.947475926
Klhl9	35.2175	37.171	0.947445589
Zfp764	1.487	1.5695	0.947435489
Wwox	11.1225	11.74	0.947402044
Sord	5.5325	5.84	0.94734589
Fpgt	3.8215	4.034	0.947322757
Zfp599	2.7765	2.931	0.947287615
Pars2	1.5705	1.658	0.947225573
Glt8d1	5.0605	5.3435	0.947038458
Usf1	7.982	8.4295	0.946912628
Arpc3	27.547	29.097	0.946729903
Sez6	12.184	12.87	0.946697747
Fam65a	36.8725	38.957	0.946492286
D1Ert622e	6.3745	6.736	0.946333135
Ngdn	11.78	12.451	0.946108746
Slc25a46	22.0095	23.2675	0.945933169
Gipc2	2.0875	2.207	0.945854101
LOC100503412	2.878	3.043	0.945777194
L2hgdh	22.314	23.5965	0.945648719
Klhdc8b	5.3825	5.6935	0.945376306
Zfp395	15.6105	16.513	0.945346091
Pard3b	1.5775	1.669	0.945176753
6430598A04Rik	11.9395	12.634	0.945029286
Hmgcr	7.3885	7.821	0.944700166
Msh2	13.13	13.899	0.944672279
Syng1	42.663	45.162	0.94466587
Ank2	58.4505	61.8785	0.944601113
Ptd1	5.2315	5.5385	0.944569829
1810048J11Rik	11.336	12.0015	0.944548598
Prkar1a	304.8855	322.876	0.944280467
Fhl1	85.789	90.872	0.944064178
Rec8	4.5225	4.7905	0.944055944
Dtd1	172.533	182.7815	0.943930321
Kcnip4	52.711	55.85	0.943795882
Ppp6r1	13.4035	14.2055	0.943542994
0610011L14Rik	7.356	7.7985	0.943258319
LOC100504449	1.4115	1.4965	0.943200802
Ccdc115	22.3025	23.655	0.942823927
Gm6654	14.538	15.42	0.942801556
Clcn2	2.082	2.2085	0.942721304
Gtf3c1	14.273	15.1475	0.942267701
Calb2	53.936	57.2415	0.942253435

L1cam	60.3775	64.0795	0.942228014
Esf1	7.8725	8.3555	0.942193765
Tmeff1	7.7385	8.2145	0.942053686
Zc3h6	4.263	4.5255	0.94199536
Zcrb1	107.8055	114.444	0.941993464
Gnb1	338.393	359.239	0.941971779
Golph3	44.3365	47.0695	0.941936923
Sfpq	21.3145	22.6315	0.941806774
Ciz1	20.888	22.1825	0.941643187
Rpl41	818.1415	868.898	0.941585203
Ncln	2.509	2.665	0.941463415
Nfs1	11.576	12.296	0.941444372
Kdm4a	3.227	3.428	0.941365228
Txndc15	12.309	13.076	0.941342918
Lrrn3	12.06	12.812	0.941305027
Hspb1	2.693	2.861	0.941279273
Arhgap27	10.5725	11.233	0.941200036
Fbxo38	8.6975	9.2415	0.941135097
Hibadh	12.964	13.7775	0.940954455
Leprotil	23.1445	24.597	0.940948083
Grik5	15.64	16.6225	0.940893367
Nup50	24.6355	26.1865	0.940771008
Grin2d	2.248	2.3905	0.94038904
Nme5	13.3955	14.245	0.94036504
9330161L09Rik	1.0855	1.1545	0.940233867
Xrcc1	3.614	3.845	0.939921977
Csnk2a1	28.662	30.5085	0.939475884
Zfp68	7.373	7.8495	0.939295497
Nuak1	4.911	5.2285	0.939275127
BC017643	2.4035	2.559	0.939234076
Ppap2c	4.347	4.6285	0.93918116
Dynlt3	66.676	71.0355	0.938629277
Psip1	82.129	87.5	0.938617143
Kctd1	14.771	15.7385	0.938526543
Trhde	5.0625	5.3955	0.938281902
Ndufs2	106.436	113.471	0.93800178
Camkv	21.988	23.444	0.937894557
Yars2	6.258	6.673	0.937809081
Grik1	8.437	8.9975	0.937704918
Slc9a9	2.6335	2.8085	0.937689158
Trappc10	17.2335	18.3805	0.93759691
Brd7	11.483	12.2495	0.937426017
D630023F18Rik	7.932	8.462	0.937367053
Gspt1	9.691	10.339	0.937324693
Abcb10	6.397	6.825	0.937289377
Dap	7.1285	7.6065	0.937159009
LOC100504360	2.7075	2.89	0.936851211
Rdh14	6.1705	6.587	0.936769394
Pedh19	10.758	11.4845	0.936740825
Zechc10	11.636	12.422	0.936725165
2900064A13Rik	61.6995	65.8725	0.936650347
Wtap	9.7545	10.4185	0.936267217
Dym	24.024	25.6615	0.936188454
Grsf1	31.4365	33.5815	0.936125545
Rusc1	33.9025	36.2245	0.935899736

Klhl26	6.034	6.4485	0.935721486
Ipo13	15.081	16.117	0.935720047
Bnip3	35.654	38.106	0.935653178
Kcnip1	39.883	42.626	0.935649604
Arpc1a	58.919	62.9715	0.93564549
C030006K11Rik	6.772	7.2385	0.935552946
1500009L16Rik	15.1445	16.191	0.935365326
Nanp	3.983	4.259	0.935196055
Smarce1	20.299	21.706	0.935179213
Scg3	52.4515	56.089	0.935147712
Erc1	15.343	16.409	0.935035651
Hcn3	8.3685	8.95	0.935027933
Ntng1	12.528	13.399	0.934995149
Ncapd2	1.8335	1.9615	0.934743819
Bsdc1	41.791	44.718	0.934545373
Qrs11	4.0705	4.356	0.934458219
Lpin2	26.7925	28.6735	0.934399358
Hr	1.8365	1.9655	0.934367845
Bhlhe40	37.825	40.4885	0.934215888
Ccdc120	1.5385	1.647	0.934122647
Coq10a	13.088	14.0125	0.934023194
Rqcd1	9.3215	9.981	0.933924456
Letm1	14.666	15.706	0.933783268
Taz	6.6655	7.1385	0.933739581
Dhx16	2.2265	2.385	0.933542977
Atp6v1b2	320.5675	343.3905	0.933536309
Acp1	73.5035	78.7375	0.933525957
Pygm	3.5565	3.81	0.933464567
Cc2d1b	3.244	3.4755	0.933390879
Hnrnpa0	67.243	72.049	0.933295396
Tmem107	3.232	3.4635	0.933160098
Rps27	424.544	454.9855	0.933093472
Fam120c	12.258	13.1385	0.932983217
Gpr180	13.878	14.875	0.93297479
Faim	42.646	45.713	0.932907488
Akna	1.738	1.863	0.932903918
Acaa2	7.297	7.822	0.932881616
Wdr17	6.149	6.5935	0.932585122
9930104L06Rik	7.2405	7.7655	0.932393278
Cog7	5.7855	6.205	0.932393231
Ccdc61	1.9445	2.0855	0.932390314
Pef1	16.149	17.32	0.9323903
Iqcb1	9.673	10.3745	0.932382283
Tank	9.9885	10.7135	0.932328371
Hrasls	9.934	10.6555	0.93228849
Hsf1	29.9415	32.1205	0.932161704
Scn8a	26.2465	28.169	0.931751216
Rnf160	7.056	7.573	0.93173115
Amz2	12.8365	13.7795	0.931565006
Ranbp9	23.472	25.1985	0.931484017
Ppp2r3c	9.63	10.3405	0.931289589
Iqsec1	43.097	46.2835	0.931152571
Gm5959	2.6885	2.8875	0.931082251
Usp29	69.3285	74.4625	0.931052543
6030446N20Rik	1.599	1.7175	0.931004367

Slc38a1	51.956	55.8105	0.930935935
Nap114	50.503	54.275	0.930502073
Chn1	89.5025	96.196	0.930418105
Polr1b	3.2015	3.441	0.93039814
Smu1	14.799	15.907	0.930345131
Kbtbd3	3.153	3.3905	0.929951335
Ulk1	34.274	36.868	0.929640881
Taf1	11.283	12.1385	0.92952177
Ap1s2	7.3945	7.956	0.929424334
Klhl8	7.283	7.8365	0.929368978
Fam167a	1.906	2.0515	0.929076286
Kcnh2	8.9105	9.5915	0.928999635
Prkg2	2.027	2.182	0.928964253
Mapk1	50.87	54.76	0.928962747
Mycbpap	1.628	1.7525	0.928958631
Fam133b	16.37	17.6235	0.928873379
Mrpl50	25.864	27.8495	0.928706081
Jag2	3.06	3.2955	0.928538917
Papd7	11.7815	12.692	0.928261897
Camta2	46.6055	50.233	0.927786515
Mtx1	11.3235	12.205	0.927775502
2410002O22Rik	23.918	25.788	0.927485652
Mtmr2	21.5425	23.2275	0.927456679
Stxbp1	424.139	457.358	0.92736762
Tmem167	3.87	4.1735	0.927279262
Fam120b	33.1395	35.748	0.927030883
Tmem185b	3.842	4.1445	0.927011702
Mpped2	12.9195	13.939	0.92685989
Apoo	43.5245	46.97	0.926644667
Fkbp4	97.3775	105.1025	0.926500321
Arl8a	127.457	137.6505	0.925946509
H13	15.6665	16.9205	0.925888715
Ube3c	11.047	11.935	0.925596984
Fbxo9	41.579	44.926	0.925499711
Cradd	28.5775	30.892	0.92507769
Exoc1	19.4025	20.9745	0.925051849
Arglu1	42.5935	46.048	0.924980455
Zfp292	9.525	10.2995	0.924802175
Nolc1	25.654	27.74	0.92480173
Cryz	8.8525	9.5725	0.924784539
Fastkd3	5.217	5.642	0.924672102
Pmpcb	27.6425	29.8945	0.924668417
Dtx1	21.4245	23.1715	0.924605658
Slc25a5	146.339	158.282	0.924546063
Ints12	8.718	9.4315	0.924349255
Rpa1	9.402	10.1735	0.924165725
Mapk8ip1	46.117	49.9135	0.923938413
Zfp462	19.277	20.8715	0.923603958
Syt5	48.503	52.524	0.923444521
Mark3	15.111	16.3655	0.923344841
Kcnc4	21.007	22.7525	0.923283156
Egr1	77.674	84.1305	0.923256132
Gabra1	68.9885	74.7245	0.923238028
Slc25a4	755.804	818.7555	0.923113188
Ptges3	83.292	90.2345	0.923061578

Cyb5	26.1285	28.3135	0.922828333
Stxbp5l	16.833	18.2415	0.922785955
Smarca5	11.9545	12.957	0.922628695
Idh3a	67.507	73.191	0.922340178
Vps8	5.812	6.3015	0.922320083
Fdx1l	70.439	76.3735	0.922296346
Chtf8	11.8775	12.8785	0.922273557
Rps6ka2	14.674	15.911	0.922255044
Lmln	2.6735	2.899	0.922214557
Tgoln1	23.447	25.4345	0.921858106
Rbm4b	13.5235	14.671	0.921784473
Med17	4.1115	4.4605	0.92175765
Smc6	10.0685	10.9255	0.921559654
Vps13b	4.8455	5.258	0.921548117
Tmx1	13.569	14.7255	0.921462769
1600002H07Rik	2.503	2.719	0.920559029
Set	64.6965	70.282	0.920527304
Fam105b	4.6105	5.009	0.920443202
Srpr	17.1365	18.618	0.920426469
Epha4	11.935	12.967	0.920413357
Grb2	45.0595	48.956	0.920408122
Ube4b	54.064	58.757	0.920128666
Patz1	9.252	10.0565	0.920001989
Maged2	25.727	27.968	0.919872712
Fbxo25	25.764	28.014	0.919683016
Fbxo28	18.972	20.633	0.919497892
Dhx29	8.259	8.9835	0.919352146
Irf9	9.185	9.9915	0.919281389
Syng3	47.5405	51.7275	0.919056595
Nap1l1	70.0015	76.182	0.918871912
Serinc1	57.171	62.2205	0.918845075
Wdr77	12.408	13.505	0.918770826
Zfp385a	39.52	43.0195	0.918653169
Tars	7.36	8.012	0.918622067
Slc24a3	49.912	54.3365	0.91857223
Rrp15	6.7255	7.3225	0.918470468
Myo7a	1.57	1.71	0.918128655
Tmed3	5.036	5.4855	0.918056695
Dopey2	12.1725	13.262	0.917847987
Rab27a	11.2815	12.2945	0.917605433
Nbn	3.394	3.699	0.917545283
Zfyve28	2.2425	2.4445	0.917365514
1110034A24Rik	3.6115	3.937	0.917322835
Bbs4	25.118	27.3935	0.916932849
Sv2a	97.3	106.1275	0.916821747
Tmem191c	17.4535	19.048	0.916290424
Zfp57	4.7815	5.219	0.91617168
Nrp2	18.887	20.6175	0.916066448
Chac1	10.274	11.216	0.916012839
Prkcc	26.3865	28.8135	0.91576865
Csnk1e	35.7765	39.074	0.915608845
Zfp236	6.631	7.243	0.915504625
Rab43	5.908	6.4535	0.915472224
Bcl6	14.4955	15.834	0.915466717
Eif2b4	5.0685	5.537	0.915387394

Krt222	20.14	22.003	0.915329728
Ii13ra1	1.2905	1.41	0.915248227
Alg2	111.423	121.7455	0.915212472
Ppp1r7	26.4515	28.9095	0.914976046
Amigo2	8.2135	8.977	0.914949315
Lonrf2	89.281	97.591	0.914848705
Hspa4l	37.2585	40.729	0.914790444
Gp1bb	1.073	1.173	0.914748508
Zfp93	3.4635	3.7865	0.91469695
Anapc2	12.406	13.565	0.914559528
P4ha1	4.677	5.1155	0.914280129
Dnajc12	18.4175	20.1465	0.914178641
Gng2	184.7505	202.096	0.914171978
Slc2a1	13.226	14.468	0.914155377
5430405G05Rik	2.0815	2.278	0.913740123
Spdya	2.319	2.538	0.913711584
Grik4	2.7255	2.9835	0.913524384
Asb3	3.533	3.8675	0.913510019
Kin	14.263	15.615	0.913416587
Galnt14	2.228	2.4395	0.913301906
Ift74	10.0415	10.997	0.913112667
Hps3	3.683	4.036	0.912537166
Hnrnpk	156.892	171.9755	0.912292739
Etfp	23.723	26.0235	0.911599132
Pafah2	1.8265	2.004	0.911427146
Zfp14	3.6135	3.965	0.911349306
Faim2	112.623	123.5875	0.911281481
Gzf1	11.9925	13.161	0.911214953
Garnl3	15.8365	17.383	0.911033769
Gng5	18.6	20.417	0.911005535
Trap1	14.802	16.2485	0.910976398
Dnaja2	56.028	61.5115	0.910854068
Zc4h2	8.605	9.448	0.910774767
Plod3	2.864	3.1455	0.910507074
Hivep1	18.9405	20.809	0.910207122
Tcp1	77.6305	85.291	0.910183958
1110059G10Rik	4.1955	4.61	0.910086768
Rpain	6.9555	7.6445	0.909869841
Dtwd2	2.4125	2.6515	0.909862342
Zscan21	6.9745	7.6665	0.909737168
Tfg	99.013	108.9005	0.90920611
Ngrn	18.991	20.9075	0.90833433
Pex1	6.716	7.3945	0.908242613
Gusb	4.201	4.6255	0.908226138
Glg1	33.461	36.8445	0.908168112
Tubgcp6	3.8175	4.204	0.908063749
Leng9	2.133	2.349	0.908045977
Pex7	8.462	9.319	0.908037343
Taok3	48.885	53.8365	0.908027082
Celf5	43.9675	48.421	0.908025444
Zdhhc14	5.3745	5.919	0.908008109
Zfp687	6.96	7.666	0.907905035
Ccnh	10.3725	11.425	0.907877462
Uggt1	5.5175	6.0775	0.907856849
Pdcd2	13.848	15.2555	0.907738193

Zkscan3	2.887	3.1805	0.907718912
Matr3	27.281	30.0555	0.907687445
Mki67ip	9.485	10.4505	0.907612076
Dhx32	7.318	8.063	0.907602629
Dctn4	53.123	58.5325	0.907581258
Slbp	20.1245	22.175	0.907531003
Mrpl16	43.2125	47.6345	0.907168124
Eapp	12.5755	13.8645	0.907028742
Cd302	2.078	2.291	0.907027499
Cep350	5.4605	6.0205	0.90698447
Mest	29.557	32.59	0.906934643
Selk	50.5405	55.7295	0.906889529
B3gat2	10.3465	11.4095	0.906832026
Dst	20.912	23.062	0.906773047
Limk2	13.2785	14.6465	0.906598846
Stk11	13.376	14.7655	0.9058955
Ppp2r5d	27.7735	30.66	0.905854534
Rps29	329.858	364.1585	0.905808872
Taf5l	5.206	5.7475	0.905785124
Slc35a1	5.6925	6.2855	0.905655875
Sqle	23.2145	25.639	0.90543703
A830018L16Rik	10.1605	11.222	0.905409018
Gtf3c5	7.334	8.1005	0.905376211
Mtmr4	11.1455	12.312	0.905255036
Syt13	32.695	36.1195	0.905189717
Gpr22	4.8315	5.3385	0.905029503
Dync2h1	3.782	4.179	0.905001196
Tex10	7.046	7.786	0.904957616
Prmt1	62.447	69.0085	0.90491751
Gm5265	1.1985	1.3245	0.904869762
Gas8	7.946	8.7845	0.904547783
Mad11l	2.2075	2.441	0.904342483
D8Ertd82e	7.4575	8.249	0.904048976
Nom1	7.912	8.7525	0.903970294
Reps1	28.816	31.8835	0.903790362
Coro6	3.0385	3.3625	0.903643123
Rnf12l	3.4165	3.7815	0.903477456
Cds1	8.793	9.733	0.90342135
Amz1	2.1385	2.3675	0.903273495
Gira2	20.014	22.1575	0.903260747
Arrb2	18.25	20.205	0.903241772
Ghitm	122.1405	135.28	0.902871821
Ptpn23	9.388	10.398	0.902865936
Thrb	6.232	6.9025	0.902861282
Zim1	11.016	12.203	0.902728837
Jdp2	8.231	9.1185	0.902670395
C230081A13Rik	6.1255	6.786	0.902667256
Tdp2	4.221	4.6765	0.902598097
Alcam	30.583	33.8855	0.902539434
Ncoa4	25.536	28.297	0.902427819
Frmpd4	16.85	18.679	0.902082553
Cox7a2l	186.5975	206.868	0.902012394
Slc5a3	6.6515	7.375	0.901898305
Taf8	2.248	2.493	0.90172483
Igbp1	17.6365	19.559	0.901707654



Gabra3	13.5525	15.0305	0.901666611
Tm9sf4	18.9595	21.0275	0.901652598
Pex5	5.642	6.2585	0.901493968
Gabbr2	32.084	35.591	0.901463853
Abat	99.6985	110.6225	0.901249746
Snx8	10.535	11.6895	0.901236152
Nek6	7.8815	8.7485	0.900897297
Tfip11	8.3125	9.2285	0.900742266
Elavl1	25.9935	28.8645	0.90053526
Sipa1	2.317	2.573	0.900505247
Sh3rf3	7.26	8.063	0.900409277
Fam13a	5.6025	6.2225	0.900361591
2610034B18Rik	6.806	7.56	0.90026455
Rnf103	9.768	10.851	0.900193531
Robo1	13.533	15.0345	0.900129702
Xylb	3.2935	3.659	0.900109319
Bfar	8.242	9.157	0.900076444
Slc38a9	3.454	3.838	0.89994789
Wdr41	12.837	14.266	0.899831768
Plk5	1.171	1.3015	0.89973108
Cept1	2.2115	2.458	0.899715216
Rbm3	68.121	75.7325	0.899494933
Rerg	6.877	7.6455	0.899483356
Syngap1	36.4805	40.57	0.899198915
Ezh1	18.628	20.717	0.899164937
Rimkla	8.338	9.274	0.899072676
Psm11	53.1055	59.0675	0.899064629
Akap6	25.225	28.0575	0.899046601
Slc4a8	14.8365	16.5045	0.898936654
Commd7	10.029	11.16	0.898655914
Lpin1	8.02	8.926	0.898498768
6330403A02Rik	16.147	17.9725	0.898428154
Zfp184	1.496	1.6655	0.89822876
Prepl	283.027	315.1185	0.898160533
Dhx35	2.7595	3.0725	0.89812856
Spes2	18.0865	20.141	0.897994141
Ptpn2	46.271	51.538	0.897803562
Tbc1d19	11.908	13.268	0.897497739
Rgs19	21.072	23.484	0.897291773
Cct5	73.9635	82.4315	0.897272281
2810422J05Rik	18.4445	20.5575	0.897215128
Fgfr1	10.1795	11.346	0.897188436
Acadsl	26.931	30.019	0.897131817
Sf3b2	62.087	69.2195	0.896958227
Pard3	5.553	6.191	0.896947181
LOC100503038	3.1475	3.5095	0.896851403
Plrg1	16.3085	18.186	0.896761245
Aaas	6.579	7.3365	0.896749131
5033414D02Rik	14.0845	15.7065	0.896730653
Fam158a	22.398	24.983	0.89652964
Lrrc61	21.045	23.477	0.896409252
Zfyve9	6.3385	7.071	0.896407863
2400001E08Rik	33.263	37.1075	0.896395607
6330577E15Rik	50.6505	56.5065	0.896365905
Tfam	10.984	12.2555	0.896250663

Mpp1	22.4825	25.089	0.896109849
Mttp	2.267	2.53	0.896047431
Atxn2	70.2145	78.3675	0.895964526
Raf1	9.518	10.624	0.895896084
Ddx46	19.3945	21.661	0.895364942
Alkbh2	2.452	2.7395	0.895053842
Synj1	130.1555	145.4565	0.894807039
B230315N10Rik	6.129	6.85	0.894744526
Tspan6	7.214	8.063	0.894704204
Pknox1	3.517	3.9315	0.894569503
Mypop	5.625	6.2915	0.894063419
Impa1	10.839	12.1245	0.893975009
Dnm3	73.4455	82.179	0.893725891
Rad1	7.091	7.936	0.893523185
Tpm3	48.4355	54.215	0.893396661
Top1	27.81	31.1365	0.893163972
Ttc7b	61.682	69.0625	0.893133032
Fndc4	5.38	6.024	0.89309429
Aup1	9.895	11.0805	0.893010243
Zdhhc5	9.9705	11.1705	0.892574191
Dhrs13	2.4915	2.7915	0.892530897
Mta3	51.194	57.3645	0.892433474
Zfp108	3.0725	3.443	0.892390357
Gpr64	1.459	1.635	0.89235474
Mmgt2	3.607	4.0425	0.892269635
Psmc1	92.804	104.0105	0.89225607
Atrx	13.415	15.037	0.892132739
Paox	2.112	2.3675	0.892080253
Hes1	1.143	1.2815	0.891923527
Tln2	8.571	9.6105	0.891837053
Smarcc1	24.287	27.233	0.891822421
Rfx5	8.507	9.539	0.891812559
Scpep1	8.5965	9.6395	0.891799367
Trmt1	5.34	5.9895	0.89156023
Atp1b1	661.965	742.6125	0.891400293
Ctsf	6.9535	7.801	0.891360082
Ube2d2	37.037	41.5625	0.891115789
Vhl	6.3085	7.0805	0.890968152
Ap2b1	36.74	41.238	0.890925845
Mtf1	9.634	10.814	0.89088219
Pitpna	115.7285	129.9045	0.89087368
Gin1	3.2895	3.694	0.890498105
Pou6f1	11.134	12.505	0.890363854
Tmem200a	3.7875	4.255	0.89012926
Fance	5.0035	5.622	0.88998577
Zfp444	4.4445	4.9955	0.889700731
Rprd1a	23.916	26.882	0.889665947
Tmem216	10.102	11.355	0.889652136
Prlr	8.579	9.6435	0.889614766
Bin3	2.1135	2.376	0.889520202
Arf4	110.7275	124.4875	0.889466814
Dgkk	29.5145	33.1905	0.889245417
BC005764	10.6425	11.9705	0.889060607
Rsrc1	14.8065	16.6545	0.889038998
Slc35b4	10.517	11.8305	0.888973416

1500031L02Rik	24.6645	27.7605	0.888474631
Psmc4	40.0755	45.1265	0.888070203
Ruvbl2	23.499	26.4635	0.887977781
Gpr50	5.1795	5.833	0.887965027
Galnt9	4.3985	4.9535	0.887958009
Zhx1	18.064	20.3485	0.887731282
Rasgef1b	10.537	11.8705	0.887662693
Scn2a1	27.327	30.789	0.887557244
2810405K02Rik	43.0145	48.47	0.887445843
Cramp1l	12.286	13.8465	0.88730004
Bag2	8.0395	9.062	0.887166188
Rfc1	6.8675	7.7425	0.886987407
Pelp1	5.118	5.771	0.886848033
Azin1	8.739	9.854	0.886847981
Uchl5	23.6815	26.708	0.886681893
Cdk5r2	43.9585	49.585	0.886528184
Ppid	27.133	30.6125	0.886337281
Anp32b	61.576	69.4755	0.886298048
Tle3	3.941	4.447	0.886215426
2700094K13Rik	31.8485	35.9445	0.886046544
Nln	7.358	8.308	0.885652383
Hopx	7.9445	8.9715	0.885526389
Zfp112	2.4945	2.817	0.885516507
Npas4	1.816	2.051	0.885421745
Cct2	89.219	100.7685	0.88538581
Zdhhc9	12.503	14.1225	0.885324836
Gm1568	2.86	3.2305	0.885311871
Cdk13	12.427	14.0375	0.885271594
LOC100503302	41.5975	46.989	0.88526038
Hnrnpc	45.2315	51.0945	0.885251837
2610002I17Rik	7.6675	8.6615	0.885239277
Atg4a	1.0255	1.1585	0.885196375
Cacna1h	2.0415	2.3065	0.885107305
Cep68	4.8825	5.517	0.884991843
Pxk	15.375	17.374	0.884943018
Bcap29	4.508	5.0945	0.884875847
Gnb21l	70.4815	79.6715	0.88465135
Dmwd	29.657	33.526	0.884597029
Pgk1	138.7625	156.9185	0.884296625
Pi4kb	8.4095	9.5105	0.884233216
Aarsd1	29.644	33.5275	0.884169711
Rad23a	35.132	39.745	0.883935086
Dnajc13	6.4295	7.2745	0.883840814
BC023814	6.349	7.184	0.883769488
Hsd1l	13.476	15.249	0.883730081
Rsph1	5.2095	5.896	0.883565129
Pgr15l	2.15	2.4335	0.88350113
Tmem19	4.235	4.7935	0.883488057
Rpia	4.2	4.7545	0.883373646
Pdxk	80.1645	90.772	0.883141277
Lck	1.2275	1.39	0.883093525
Bckdha	2.685	3.0405	0.883078441
Zfp318	11.584	13.1235	0.882691355
Odf2	9.96	11.2885	0.882313859
Cyhr1	29.269	33.179	0.882154375

9030409G11Rik	92.514	104.8815	0.882081206
Ruvbl1	21.55	24.431	0.882076051
Cgrrf1	10.01	11.3485	0.882054897
Epc1	25.28	28.6615	0.882019434
Tbcc	5.7895	6.5665	0.881672124
Hsf4	4.5935	5.21	0.881669866
Nudcd1	3.5965	4.0795	0.881603138
Gng7	19.164	21.738	0.881589843
Cables2	14.0045	15.886	0.881562382
Zhx2	10.4575	11.8625	0.881559536
Man2b2	5.0625	5.7465	0.880971026
Zfp189	4.2295	4.801	0.8809623
Kat2a	39.5025	44.875	0.880278552
Tmem175	5.484	6.23	0.880256822
Wdr54	9.3825	10.66	0.880159475
Fbxl15	6.645	7.5505	0.880074167
Trpc4ap	22.2125	25.2415	0.879999208
Stard3nl	21.8065	24.7805	0.87998628
Gpx4	61.5915	70.0075	0.879784309
Fydd1	23.596	26.8245	0.879643609
Prps1	27.4875	31.2495	0.879614074
Spata24	2.7955	3.1795	0.879226293
Sucla2	30.0655	34.2005	0.879095335
Slc3a2	11.2485	12.7975	0.878960735
Cdc25a	1.7885	2.035	0.878869779
Eif2b2	20.1605	22.952	0.878376612
Lancl1	21.33	24.285	0.878319951
Myo9a	11.1645	12.7115	0.878299178
Kend2	12.146	13.83	0.878235719
Eif3c	58.062	66.1185	0.878150593
Rprm	10.658	12.1385	0.878032706
Armex1	25.9845	29.596	0.877973375
Orc5l	3.135	3.5715	0.877782444
Cep120	17.157	19.5465	0.87775305
Zc3h11a	23.222	26.4575	0.877709534
Gnal	59.6145	67.925	0.877651822
Cul3	42.1105	47.981	0.877649486
Hplbp3	87.978	100.2545	0.877546644
Irak2	6.078	6.927	0.87743612
Cntnap1	16.745	19.085	0.877390621
Pabpn1	27.1785	30.979	0.87732012
Wasl	43.689	49.8005	0.877280349
Kank2	2.752	3.1375	0.877131474
Eefsec	3.872	4.4145	0.877109525
Hspb8	16.0855	18.342	0.876976338
Osbpl6	19.0755	21.7575	0.876732161
Slc35f4	4.0285	4.595	0.876713819
Sfxn3	31.3065	35.712	0.876638105
Pde4d	18.5575	21.172	0.87651143
Nudt3	94.037	107.2905	0.87647089
Arl8b	43.8595	50.0495	0.876322441
Akt1s1	4.8175	5.4985	0.87614804
Yy1	17.135	19.558	0.876112077
Cpg1	28.2445	32.239	0.876097273
Pde8b	21.489	24.533	0.875922227

Adh5	19.988	22.8275	0.875610557
Lzts1	1.79	2.0445	0.875519687
Sbk1	4.3565	4.976	0.875502412
Slmo2	81.942	93.5945	0.875500163
4930430F08Rik	9.894	11.303	0.875342829
Ubtf	10.737	12.27	0.875061125
Zc3h4	15.9895	18.277	0.874842698
Fam32a	42.7855	48.909	0.874798094
Keap1	6.5605	7.5005	0.874675022
Nqo2	1.69	1.9325	0.874514877
Tkt	16.426	18.7855	0.874397807
Zfp583	1.789	2.046	0.874389052
Ap1m1	16.324	18.67	0.874343867
AI314180	15.5315	17.765	0.87427526
Nptn	57.094	65.3185	0.874086208
Mterfd1	11.9105	13.627	0.874036839
Trim23	13.1885	15.0895	0.874018357
Gimap1	7.5	8.5825	0.87387125
Gm5494	1.2505	1.431	0.87386443
Efnb3	26.1585	29.94	0.873697395
Ascc2	4.949	5.6645	0.873686998
Hgs	11.722	13.417	0.873667735
Srgap3	64.003	73.26	0.873641824
9130023H24Rik	1.157	1.3245	0.873537184
Wdr37	32.951	37.7335	0.87325586
Ddx58	4.4055	5.046	0.873067776
Pnpo	18.1335	20.7735	0.872915012
Gba2	6.143	7.0375	0.872895204
Cacna1d	3.404	3.9005	0.872708627
Tceal1	30.6095	35.079	0.872587588
D230025D16Rik	26.984	30.9275	0.872492119
Pmpca	19.818	22.718	0.872347918
Arhgap24	9.225	10.576	0.872257943
Kpna3	19.904	22.8235	0.872083598
Prkcb	30.4165	34.8805	0.872020183
Hcn1	13.9565	16.006	0.871954267
Wbp4	22.063	25.3035	0.871934713
Vps37c	11.2575	12.911	0.871930912
Asf1a	5.903	6.771	0.871806232
Cdh2	29.9075	34.306	0.871786276
Plcg1	6.706	7.693	0.871701547
Usp47	12.857	14.7495	0.871690566
Atp2b2	61.214	70.232	0.871596993
Dpysl2	229.412	263.217	0.871569845
Ttc1	48.535	55.6975	0.871403564
Oprl1	11.9735	13.7405	0.87140206
Zfp2	6.0035	6.892	0.871082414
Rnasen	29.196	33.519	0.871028372
Igsf10	3.125	3.588	0.870958751
D030056L22Rik	5.005	5.7475	0.870813397
Ap3m1	7.3015	8.385	0.870781157
Arnt	6.221	7.1445	0.87073973
LOC100502841	6.1145	7.0235	0.870577347
Vbp1	22.9395	26.3625	0.870156472
Tmem208	11.605	13.3385	0.87003786

Jph1	4.002	4.6	0.87
Sec23a	24.5445	28.2125	0.869986708
Dscam	17.9835	20.673	0.869902772
Psm1	45.6955	52.5325	0.869851996
Slc19a1	2.379	2.7355	0.869676476
Cse1l	10.448	12.0155	0.869543506
Zfp575	7.969	9.1655	0.869456113
Zfc3h1	6.697	7.7045	0.869232267
Lace1	3.7335	4.2965	0.86896311
Esrrg	14.1795	16.3255	0.868549202
Rab3gap1	8.2425	9.493	0.868271358
Serpinb8	2.537	2.922	0.868240931
Nhs	5.3645	6.179	0.868182554
1520402A15Rik	4.563	5.256	0.868150685
Sbf1	10.762	12.397	0.868113253
Cacna2d2	34.8415	40.1415	0.867967067
Rfc4	1.7625	2.031	0.867799114
Ndor1	3.6955	4.2585	0.867793824
Trim66	16.8235	19.3915	0.867570843
Rbpms	2.0395	2.351	0.86750319
Gpr149	2.919	3.365	0.867459138
Agtpbp1	51.741	59.651	0.86739535
Ndn12	4.986	5.75	0.867130435
N4bp2l2	4.548	5.2475	0.866698428
Zfp457	1.8705	2.1585	0.86657401
Deaf12	13.9585	16.108	0.86655699
Mtmr7	19.3645	22.3475	0.866517508
Bckdhb	12.308	14.207	0.866333498
Serinc3	43.066	49.715	0.866257669
Kend3	12.1685	14.048	0.866208713
Phtf1	7.076	8.1715	0.865936487
Shkbp1	1.3075	1.51	0.86589404
Cyp7b1	1.27	1.467	0.865712338
BC068157	34.15	39.448	0.865696613
Yipf3	14.1225	16.314	0.865667525
Srpkl	29.6075	34.2075	0.865526566
Clybl	14.433	16.6765	0.865469373
Hmgn5	14.0235	16.2035	0.865461166
Crmp1	38.404	44.3935	0.8650816
Wbp7	4.5805	5.295	0.865061379
Mgrn1	42.82	49.5035	0.864989344
Agfg1	13.288	15.3625	0.864963385
Srsf6	15.033	17.3805	0.864934841
Dcxr	2.019	2.3345	0.864853288
Brsk2	20.955	24.2335	0.864712072
Rad9	7.871	9.1025	0.864707498
Cobl	13.466	15.578	0.864424188
2610101N10Rik	12.6745	14.665	0.864268667
Lrp11	13.8655	16.044	0.864217153
Cyb5b	33.166	38.378	0.864193027
Gsn	3.63	4.2005	0.864182835
Pdhh	81.4575	94.265	0.864133029
C130022K22Rik	18.7745	21.7265	0.864129059
Tbcel	9.524	11.023	0.864011612
Zfp740	6.3405	7.3385	0.864004906

Mettl14	10.762	12.459	0.863793242
Tspan33	6.867	7.9505	0.863719263
Gkap1	13.997	16.2075	0.863612525
2310047B19Rik	5.2	6.0215	0.8635722
Faf2	6.5665	7.6045	0.863501874
Ppp2r5e	16.1955	18.7705	0.862816654
Sipa1l1	30.303	35.1245	0.862731142
Ppp4r1	3.7255	4.319	0.862583931
Galk1	4.3635	5.0605	0.862266574
Slc25a28	16.485	19.119	0.862231288
1700034H14Rik	2.7575	3.1985	0.86212287
6530401D17Rik	12.0615	13.9905	0.862120725
Lypla2	8.8605	10.278	0.862084063
Prpf4b	14.3515	16.6485	0.862029612
Sfxn1	37.612	43.6415	0.861840221
Mrto4	16.8215	19.52	0.861757172
Rundc3b	13.215	15.3365	0.861669873
Rac1	422.006	489.7945	0.861598078
Zfhx4	20.5145	23.81	0.861591768
Bbs5	5.428	6.3005	0.861518927
Grm5	12.109	14.0555	0.861513287
Arhgap32	26.3575	30.595	0.861496977
Gdi1	660.1735	766.498	0.861285352
Vezt	7.45	8.6515	0.861122349
Sec16a	15.3835	17.8645	0.861121218
Rps19	110.9965	128.8995	0.861108848
A830080D01Rik	2.513	2.9185	0.861058763
Adnp2	6.4245	7.4625	0.860904523
Gstt1	6.95	8.073	0.860894339
Pcdh11x	8.7585	10.1745	0.860828542
Coq2	12.347	14.3435	0.860808032
Nlgn1	11.277	13.102	0.860708289
Ddc	12.7925	14.863	0.860694342
Tra2b	26.3465	30.6155	0.860560827
Ppp2r5c	44.779	52.037	0.860522321
Zfp781	6.39	7.426	0.86049017
Zc3h7a	4.594	5.339	0.86046076
Ragef5	6.9735	8.107	0.860182558
Snx1	28.647	33.309	0.860037828
Idh1	13.101	15.236	0.859871357
Abcg1	8.9155	10.371	0.859656735
Fam5c	10.552	12.2775	0.859458359
Wnt2b	2.981	3.469	0.859325454
Uck2	9.318	10.844	0.85927702
Tmem68	4.512	5.252	0.859101295
Hey1	33.103	38.541	0.858903505
Astn1	24.901	28.9955	0.858788433
Secisbp2	4.111	4.787	0.858784207
Ppp1r2	31.06	36.1675	0.858782056
Gps2	17.261	20.1015	0.858692137
Serpinb9	2.4185	2.8165	0.858689863
9530068E07Rik	37.371	43.525	0.858609994
Kif5a	129.719	151.1095	0.858443711
Eml4	5.693	6.632	0.858413752
Tgds	2.024	2.3585	0.858172567

Cd24a	11.563	13.478	0.857916605
Fryl	7.8125	9.107	0.857856594
Magi1	30.825	35.9345	0.857810739
Bptf	21.9205	25.5585	0.857659878
Slco3a1	12.8755	15.0125	0.857651957
Mbd5	24.612	28.697	0.857650626
Nap1l2	26.907	31.3895	0.85719747
Osbp	9.8525	11.494	0.857186358
Pnma1	2.703	3.1535	0.857142857
Homez	2.6005	3.034	0.857119314
Tbc1d9b	22.129	25.821	0.857015607
Zfhx3	38.0765	44.4315	0.856970843
Pcsk1	3.7905	4.4235	0.856900644
Dnajc6	60.8235	70.9845	0.856856074
Flot2	19.843	23.161	0.856741937
Srsf4	27.3175	31.8885	0.856656788
Adra1b	3.7785	4.411	0.856608479
Polr3e	6.0435	7.058	0.856262397
Fam196b	7.3125	8.5405	0.856214507
Per1	11.982	13.996	0.856101743
Cnot3	21.0005	24.5335	0.855992826
Ptpm	11.673	13.638	0.85591729
BC031441	1.1415	1.334	0.855697151
Cited1	11.506	13.4505	0.855432884
Fut8	6.1345	7.173	0.855220968
Isoc2a	1.897	2.2185	0.855082263
Golga2	12.533	14.6595	0.854940482
2500003M10Rik	46.472	54.3615	0.854869715
Fam174a	8.538	9.9905	0.854611881
Ccdc40	2.4915	2.9155	0.8545704
Cops4	50.4915	59.108	0.85422447
Arv1	1.872	2.1915	0.854209446
Npy2r	7.319	8.5685	0.854175177
Nop58	15.249	17.853	0.854142161
Dnajc10	13.325	15.6005	0.85413929
Caln1	5.999	7.0245	0.854010962
Fam96a	29.1635	34.1495	0.853994934
Rasgrf2	19.9625	23.376	0.853974162
Cirbp	44.4825	52.1	0.853790787
Zfp386	8.9565	10.492	0.8536504
BC005624	112.7145	132.0415	0.853629351
Rnf217	3.8045	4.457	0.853601077
LOC100504737	5.015	5.8755	0.853544379
Gm8730	4.1625	4.8775	0.853408508
Tnpo2	29.982	35.135	0.853337128
Scaper	11.2285	13.161	0.853164653
Use1	32.927	38.595	0.853141599
A430033K04Rik	10.106	11.847	0.853042964
BC017612	8.6625	10.158	0.852776137
Nav3	8.663	10.159	0.852741412
Npepps	29.601	34.713	0.852735286
Usp48	7.335	8.6045	0.852460922
6030419C18Rik	4.2955	5.0405	0.852197203
Irs2	13.9815	16.4095	0.85203693
Mosc2	7.8805	9.25	0.851945946



Rapgef2	25.4255	29.848	0.851832619
Vac14	18.543	21.772	0.851690244
BC003331	10.0725	11.829	0.851509003
Helq	1.588	1.865	0.851474531
Dgki	4.374	5.138	0.851304009
Ptma	259.8515	305.2875	0.851169799
Mc3r	1.4305	1.6815	0.850728516
Csf1	8.755	10.2915	0.850702036
Mrpl9	22.4385	26.377	0.850684308
BC017647	54.6995	64.303	0.85065238
Sobp	20.474	24.0715	0.850549405
Sec62	32.1135	37.7565	0.850542291
Gda	8.9735	10.5505	0.850528411
Khsrp	26.3975	31.0375	0.850503423
Mtor	15.601	18.355	0.849959139
Gm6635	10.0795	11.861	0.849801872
9030025P20Rik	8.786	10.3395	0.849750955
Zc3h13	20.9635	24.6705	0.849739568
Zik1	2.949	3.4705	0.849733468
Alkbh6	49.939	58.774	0.849678429
Htt	9.171	10.794	0.849638688
Errfi1	23.0095	27.0895	0.849388139
Oplah	1.067	1.2565	0.849184242
Ap1b1	20.119	23.6925	0.849171679
Ndufaf4	12.448	14.6595	0.849142194
Rab1	209.7735	247.044	0.849134162
Zfp560	1.7055	2.009	0.848929816
Hcfc2	4.18	4.925	0.848730964
Ttbk1	5.5725	6.5665	0.8486256
Galnt11	26.731	31.5025	0.84853583
Sorbs2	14.2385	16.781	0.848489363
Fbxo8	3.3005	3.8905	0.848348541
Parg	5.539	6.53	0.848238897
Gm166	1.288	1.519	0.847926267
Gm2058	48.864	57.629	0.847906436
Cbx4	6.2315	7.3495	0.847880808
Wdr82	28.948	34.1425	0.847858241
Ring1	10.879	12.838	0.847406138
Pcgf2	19.5185	23.034	0.847377789
Ppp6r3	13.302	15.698	0.847369092
B3gnt11	1.1925	1.4075	0.847246892
Tomt	3.778	4.4595	0.847180177
Furin	1.166	1.3765	0.847075917
Vkorc111	33.154	39.1395	0.84707265
Parp16	1.285	1.517	0.847066579
Ssr1	26.363	31.124	0.84703123
Metrn1	1.251	1.477	0.846987136
Ints10	11.461	13.5345	0.846798921
Fh1	33.804	39.92	0.846793587
Sugt1	7.2605	8.575	0.846705539
Ldhb	394.181	465.7325	0.846367818
Atg12	16.217	19.1615	0.84633249
Ehbp1	12.6295	14.923	0.846311063
Haus6	1.0385	1.2275	0.846028513
Kpna1	14.2065	16.7935	0.845952303

Dph2	2.087	2.4675	0.845795339
Terf2	48.221	57.0475	0.845278058
Rnf14	84.898	100.44	0.845260852
Epha6	4.2005	4.9695	0.845256062
9630033F20Rik	6.5815	7.7875	0.845136437
Ddx49	6.535	7.7325	0.845134174
Raly1	44.3675	52.5005	0.84508719
Zic1	42.3315	50.0985	0.844965418
Cul7	4.462	5.281	0.844915736
Hnrnp3	34.2045	40.5025	0.844503426
Ldhd	5.1795	6.1345	0.844323091
Txnrd1	13.72	16.25	0.844307692
Klhl12	4.891	5.793	0.844294839
Sccpdh	45.36	53.748	0.843938379
Syt17	27.5005	32.588	0.843884252
Cdk10	13.2135	15.6595	0.843800888
Pstk	12.144	14.3935	0.843714177
1110014N23Rik	8.1375	9.6475	0.843482768
Acsl6	18.495	21.934	0.843211453
Ints8	9.4245	11.1795	0.843016235
Lypd6	10.1775	12.073	0.84299677
Znhit6	17.325	20.552	0.842983651
Pkd1	3.4655	4.111	0.842982243
Clp1	3.589	4.258	0.842883983
Fuca2	5.849	6.9415	0.842613268
Map2k6	3.533	4.195	0.842193087
Mtss1	26.2525	31.179	0.841993008
Ubr3	20.2395	24.0435	0.841786761
Mesdc2	21.1865	25.1685	0.84178636
Pdk2	56.972	67.683	0.841747558
Maneal	9.9155	11.7845	0.841401841
Jmjd6	6.5895	7.832	0.841355975
Ei24	14.263	16.9525	0.841350833
LOC100503813	2.7975	3.3255	0.841226883
LOC100504422	3.789	4.505	0.841065483
Arl4c	50.852	60.4765	0.840855539
Qdpr	56.5745	67.2875	0.840787665
Pcdh10	30.2625	36.0015	0.840589975
Arg2	2.2285	2.6515	0.84046766
Aldh18a1	6.498	7.7325	0.840349176
Pkmyt1	1.255	1.4935	0.840308001
Kif1a	151.696	180.551	0.84018366
Sesn1	13.685	16.29	0.840085942
Ubac1	5.631	6.7045	0.83988366
Metap1	22.69	27.019	0.839779414
Zfp511	5.9545	7.093	0.839489638
Rnaset2b	4.468	5.3235	0.839297455
Fam123a	6.3385	7.554	0.839091872
Tdrd5	1.047	1.248	0.838942308
Ppif	37.3035	44.491	0.838450473
Htr5a	5.1475	6.1405	0.838286784
Rnf157	81.1145	96.7625	0.838284459
Cdk11b	28.843	34.4075	0.838276539
Npy1r	8.1775	9.7565	0.838159176
Spata2L	5.0145	5.983	0.838124687

Chd4	20.4215	24.3765	0.837753574
Snx6	18.7605	22.3945	0.837728014
Iglon5	31.53	37.6415	0.837639308
Aldoart1	1.91	2.2805	0.837535628
Cars	4.922	5.877	0.837502127
Gm10395	5.114	6.1065	0.837468272
Gm9746	5.114	6.1065	0.837468272
Zmym2	17.2835	20.638	0.837460025
Cytsb	31.0745	37.1205	0.837125039
Orc6l	9.921	11.855	0.836862084
Usp34	11.8235	14.1285	0.836854585
Dlg5	7.4105	8.856	0.836777326
Tmem64	7.91	9.453	0.836771395
Srp54a	32.599	38.96	0.836729979
Capza1	15.5315	18.5635	0.836668732
Zfml	9.796	11.709	0.836621402
Xkr8	4.321	5.165	0.836592449
Asb4	12.066	14.4265	0.8363775
Pcdhgc4	8.446	10.0985	0.836361836
Dapk1	10.921	13.0605	0.836185445
Ccdc23	6.1435	7.3475	0.83613474
E130112L23Rik	1.982	2.371	0.835934205
Flt3	1.0435	1.2485	0.835802964
Nr1d1	73.1345	87.532	0.835517297
Nat6	8.57	10.2575	0.83548623
Zbtb17	2.215	2.6515	0.835376202
Atg2a	4.2305	5.0645	0.835324316
Stim2	6.211	7.4355	0.83531706
Rbp1	2.383	2.8535	0.835114771
Slc37a3	3.412	4.086	0.8350465
Med27	18.6285	22.3085	0.835040455
Zfp451	6.098	7.303	0.834999315
Gemin8	6.373	7.633	0.834927289
Csde1	101.424	121.4825	0.834885683
Tceal8	18.9875	22.7445	0.834817209
3200002M19Rik	7.7675	9.3045	0.834811113
Tuba1c	1.579	1.8925	0.834346103
Cdc27	19.727	23.6445	0.834316649
Neur1la	6.332	7.5905	0.834200646
Cadps	96.6815	115.9025	0.834162335
Zfp655	7.3175	8.7725	0.834140781
Exosc7	13.158	15.7765	0.834025291
Till1	60.321	72.3385	0.833871313
Srrt	21.777	26.117	0.833824712
Cacna1i	3.654	4.3825	0.833770679
Tpd52l2	24.2935	29.137	0.833768061
Amd2	1.233	1.479	0.8336714
1810041L15Rik	25.2265	30.2615	0.833616972
Syf2	31.7065	38.035	0.833613777
Ooep	5.9685	7.161	0.833472979
Camk1g	14.1405	16.9665	0.833436478
Ctnn	19.133	22.9605	0.833300669
Wrb	44.0245	52.833	0.833276551
Armc1	40.375	48.4655	0.833066821
Uba2	20.4595	24.5605	0.833024572

Lonrf1	16.8405	20.2165	0.833007692
Zdhhc7	12.348	14.8235	0.833001653
Hsp90ab1	510.993	613.444	0.83299046
Gm14303	257.061	308.638	0.832888368
Fbxo45	9.4145	11.305	0.832773109
Slitrk5	13.38	16.067	0.832762806
Tatdn2	4.2475	5.101	0.832679867
Pknox2	9.819	11.7935	0.832577267
Gtf2ird1	5.8755	7.058	0.83245962
Ncl	46.7275	56.1345	0.832420348
Rbm27	14.6245	17.57	0.832356289
Mcm7	1.71	2.0545	0.832319299
Dmtf1	8.807	10.582	0.832262332
Gm6293	1.027	1.234	0.832252836
Fam188a	9.995	12.01	0.832223147
Ptgr2	11.182	13.4365	0.832210769
Pygb	34.507	41.4705	0.832085458
Usp7	15.2975	18.3855	0.832041554
Plekhm3	9.421	11.326	0.831802931
Asah2	3.9685	4.771	0.831796269
6330416G13Rik	2.003	2.4085	0.831637949
Fbf1	4.3255	5.2025	0.831427198
Enpp5	26.714	32.142	0.831124386
Ddi2	6.2345	7.5015	0.831100447
Trpt1	15.1675	18.2505	0.831073121
Map4k3	16.0505	19.3205	0.830749722
Rab6	155.248	186.8855	0.830711853
Pcdhga3	4.9525	5.9635	0.830468684
Ppp1r12c	14.2435	17.1545	0.830306917
Zfp260	8.202	9.8785	0.830287999
Fmpd3	2.671	3.2175	0.83014763
Cx3cl1	36.364	43.8075	0.830086172
Snx16	5.774	6.959	0.829716913
Upf2	15.1755	18.2905	0.82969301
Sec22b	40.883	49.283	0.829555831
D19Erttd737e	16.8505	20.314	0.829501821
Itm2b	93.0245	112.1455	0.829498286
Igfbp3	2.4725	2.981	0.829419658
Rimbp2	7.003	8.444	0.829346281
Por	14.5965	17.6015	0.829275914
Agap2	23.046	27.795	0.829141932
Scn3b	16.6815	20.12	0.829100398
D4Wsu53e	31.018	37.412	0.82909227
Zfp64	3.482	4.2	0.829047619
Hnf1b	4.7495	5.729	0.829027754
Rnf181	38.4065	46.329	0.828994798
Rab35	17.044	20.56	0.828988327
Got2	130.2115	157.165	0.828501893
Nicn1	70.618	85.2435	0.828426801
Mef2d	76.9	92.827	0.828422765
Ikzf5	8.5675	10.343	0.828338006
Cd200	54.7805	66.1515	0.828106694
Rnf6	22.6595	27.373	0.827804771
Pi4ka	38.333	46.3255	0.827470831
Lclat1	12.8045	15.4745	0.827458076

Lrrc4c	58.607	70.828	0.827455244
Pfkfb3	7.4075	8.9525	0.827422508
Rbm5	32.253	38.9835	0.827350033
Seh11	8.0595	9.7415	0.827336652
Cul5	10.2555	12.396	0.82732333
Afap1	6.8545	8.287	0.827138892
Mapre2	222.724	269.2905	0.827077078
Adsl	9.298	11.2425	0.827040249
Pnrc1	52.7035	63.7365	0.826896676
Pank2	9.42	11.3925	0.826859776
1600021P15Rik	12.651	15.302	0.826754673
Sdad1	7.986	9.6605	0.826665286
Nsdhl	9.533	11.5335	0.826548749
Gan	4.7105	5.701	0.826258551
Rad17	2.4995	3.0255	0.826144439
Rcc2	21.9175	26.5405	0.82581338
Pkd2l2	4.011	4.858	0.825648415
Ccdc67	2.654	3.215	0.825505443
Peg3	426.6285	516.85	0.825439683
Prrt1	38.2525	46.345	0.825385694
Txndc9	8.119	9.837	0.825353258
Mkl2	66.5115	80.611	0.825092109
Hspa4	62.5985	75.8725	0.825048601
Arfrp1	7.8875	9.5605	0.825009152
Lass6	11.338	13.7445	0.824911783
Casp3	1.411	1.7105	0.824904999
AA408296	3.542	4.294	0.824871914
St13	58.12	70.4715	0.824730565
Dhx37	3.1975	3.8775	0.824629271
Pdia3	23.292	28.2475	0.824568546
5330417C22Rik	9.6705	11.7285	0.824529991
LOC100504025	1.625	1.971	0.824454592
Calm1	834.6175	1012.608	0.824225663
Csdc2	78.8405	95.656	0.824208623
Nmt2	14.656	17.785	0.824065224
Arid1b	4.788	5.8105	0.824025471
Kalrn	8.255	10.018	0.82401677
Exoc6b	31.436	38.15	0.824010485
Sfswap	8.3565	10.1415	0.823990534
Vwa1	1.9375	2.352	0.823767007
Rap1gap2	19.8845	24.1435	0.823596413
Angptl6	1.3195	1.6025	0.823400936
Ssb	55.2115	67.06	0.823314942
Kdm2b	2.5735	3.126	0.823256558
Tardbp	20.8625	25.345	0.823140659
Phyhipl	94.2175	114.4645	0.823115464
Nmnat2	64.874	78.8175	0.823091319
Ipo5	23.633	28.7135	0.823062323
Adra1a	3.3505	4.071	0.823016458
H2-Ke6	8.029	9.756	0.82298073
Ngef	9.454	11.488	0.822945682
Accn1	20.085	24.4065	0.822936513
Ubxn6	29.017	35.2615	0.822908838
Senp8	4.5105	5.4815	0.822858707
Srrm4	22.9395	27.8785	0.822838388

Heatr1	1.812	2.2025	0.822701476
Zkscan6	3.338	4.0575	0.82267406
Extl1	1.795	2.182	0.82263978
Lrtm2	17.558	21.3435	0.822639211
Tbc1d8b	2.1025	2.556	0.822574335
Spg21	12.9035	15.6885	0.822481435
Wdr34	18.6525	22.6815	0.822366246
4930432O21Rik	3.291	4.003	0.8221334
Rnf182	1.931	2.349	0.822051937
Ece2	7.4305	9.039	0.822048899
Rasgrf2	27.653	33.641	0.822002913
Pik3r5	6.5065	7.9185	0.8216834
Sdccag1	14.6315	17.807	0.821671253
Sort1	21.2955	25.9175	0.821664898
Cbx1	13.4765	16.4045	0.82151239
Zfp873	1.4305	1.7415	0.821418318
Exoc3	18.2245	22.192	0.821219358
Zfp653	2.812	3.425	0.821021898
Wapal	8.5535	10.4215	0.82075517
Rab3b	61.198	74.5655	0.820728085
Rnmt	12.332	15.0265	0.820683459
Senp2	19.2515	23.466	0.820399727
AI452195	31.803	38.78	0.820087674
Sh3gl3	31.6025	38.544	0.819907119
Large	12.7995	15.6145	0.819718851
Rit1	6.1135	7.4585	0.819668834
Gnpat	12.284	14.9885	0.819561664
Ngly1	3.5685	4.355	0.819402985
Apbb1	37.1335	45.3235	0.819299039
Tmtc3	3.9195	4.784	0.819293478
Gm347	7.602	9.283	0.818916299
Mapt	78.5925	95.9765	0.818872328
Cab39	36.907	45.077	0.818754576
Cadm4	15.608	19.069	0.818501232
Rif1	3.0665	3.747	0.818388044
Bap1	17.099	20.894	0.81836891
Otud6b	13.5455	16.553	0.81831088
Birc2	5.8185	7.111	0.818239347
Pink1	47.1755	57.6745	0.817961144
Cfl2	28.378	34.6995	0.817821582
Arhgef3	10.7545	13.152	0.817708333
Slc35f5	4.3215	5.2855	0.817614228
Ntrk3	18.4965	22.6235	0.817579066
Rgs4	33.4835	40.974	0.817188949
Slc2a3	23.819	29.1485	0.817160403
Htr1b	6.7505	8.261	0.817152887
Usp24	9.9405	12.1665	0.81703859
Fam171a1	5.2735	6.4555	0.816900318
Cdk15	29.891	36.593	0.816850217
Epm2aip1	29.896	36.6	0.816830601
Ehd1	3.432	4.202	0.816753927
Rpp40	4.908	6.0105	0.816571001
Jup	8.6935	10.6465	0.816559433
D130043K22Rik	5.022	6.1505	0.816518982
Cog4	13.5565	16.609	0.816214101

Atcay	45.574	55.845	0.816080222
Frat2	11.774	14.429	0.815995564
BC003266	13.97	17.1205	0.815980842
Ctdp1	4.9345	6.0475	0.815957007
Zbtb7c	3.03	3.714	0.815831987
Trip12	20.12	24.663	0.815796943
Pcyox1	17.847	21.88	0.815676417
Lrrc55	8.4165	10.319	0.81563136
Setd2	13.3005	16.3075	0.815606316
Accn2	14.2405	17.461	0.815560392
Zfp597	4.618	5.6625	0.815540839
Whrn	4.0555	4.973	0.81550372
B3galnt1	15.582	19.1085	0.815448622
Gnpda1	11.852	14.536	0.815354981
Xbp1	28.3125	34.735	0.815100043
Kidins220	40.0365	49.1205	0.815067029
Camk2d	42.394	52.0145	0.815041959
Gabrg2	15.268	18.739	0.814771333
Nr2e1	2.41	2.9595	0.814326744
Yipf5	10.171	12.491	0.814266272
Pias2	13.0625	16.0425	0.814243416
4930503L19Rik	3.253	3.9955	0.814165937
Vps39	26.6855	32.7795	0.814091124
Ift140	1.9505	2.396	0.814065109
Cnr1	12.9765	15.941	0.814032997
Arhgef7	14.9785	18.4025	0.813938324
Rusc2	31.7775	39.0525	0.81371231
AI464131	2.164	2.66	0.813533835
Xpo1	7.127	8.761	0.813491611
Sec31a	40.124	49.337	0.813263879
Lgals8	30.6225	37.655	0.813238614
BC018507	14.156	17.407	0.813236054
Gnb4	5.168	6.3555	0.813153961
Rgs20	12.713	15.6345	0.813137612
Nf1	24.1505	29.7015	0.813107082
Gdpd1	29.568	36.369	0.813000082
Gria3	29.6175	36.438	0.812819035
Zbtb41	3.598	4.427	0.812740005
Cuedc2	25.9325	31.914	0.812574419
Ift46	12.671	15.5975	0.812373778
Hspbap1	4.2275	5.204	0.81235588
BC004004	10.286	12.6625	0.812319842
Coch	3.421	4.212	0.812203229
Kif3c	34.6895	42.714	0.812134195
Ankrd13a	10.742	13.228	0.812065316
Htr2c	12.872	15.851	0.81206233
Asxl1	7.2235	8.8955	0.812039795
Mettl2	8.9505	11.0225	0.812020866
Ppp1r9a	33.353	41.089	0.811725766
Sik1	4.9205	6.0625	0.811628866
Prkar2b	15.184	18.7105	0.811522942
Zswim4	2.7975	3.4475	0.811457578
Cux2	5.471	6.7425	0.811420096
Wdr53	14.013	17.27	0.811407064
Ltbp3	3.0025	3.7005	0.811376841

Slitrk2	3.7335	4.6015	0.811365859
Snpc2	12.093	14.9065	0.811256834
Mtmr6	12.533	15.449	0.811249919
Cct7	55.993	69.0305	0.811134209
Gfm2	3.2495	4.0065	0.811057032
Agbl5	4.918	6.064	0.811015831
Wasf1	35.8435	44.2105	0.810746316
2610507B11Rik	28.4775	35.128	0.810678092
Tnfsf13b	1.976	2.4375	0.810666667
Apba2	22.4995	27.7565	0.810602922
Gak	20.839	25.7155	0.810367288
Oxsm	3.68	4.5415	0.810304965
Rnf219	9.8835	12.2005	0.81008975
Nipbl	6.8005	8.395	0.810065515
Camta1	184.9185	228.2905	0.810013995
Eif3g	84.59	104.452	0.809845671
Lrrc7	13.2315	16.3395	0.809786101
Stx1b	143.3715	177.065	0.809711123
Agpat9	1.887	2.3305	0.80969749
Lphn2	10.887	13.4475	0.809592861
Rps6	163.2755	201.6835	0.809563003
Bet1	5.9125	7.3035	0.80954337
Rpap3	8.471	10.4655	0.809421432
Aimp2	16.9325	20.9195	0.809412271
Nol3	23.5605	29.112	0.809305441
Dynlt1a	8.9385	11.0475	0.809097081
Smad2	12.558	15.5235	0.80896705
Ssrp1	15.786	19.518	0.808791884
Pnmal1	31.602	39.079	0.808669618
Cdh13	25.5575	31.6055	0.808640901
Dcun1d2	11.761	14.546	0.80853843
Zbtb11	764.085	945.558	0.808078404
Ccnc	18.278	22.6195	0.808063839
Haus7	5.5365	6.8535	0.807835413
Jakmip3	12.263	15.1855	0.807546673
Smarcc2	88.4155	109.4955	0.807480673
Dscaml1	3.1665	3.922	0.807368689
Ptprj	9.284	11.5	0.807304348
Vsnl1	1922.548	2381.507	0.807282112
Alg12	3.86	4.7815	0.807278051
Arhgap26	25.1535	31.159	0.807262749
Plekhg5	3.676	4.5545	0.807113843
Brpf1	6.2525	7.748	0.806982447
Midn	20.9075	25.909	0.806958972
Pygo1	25.3445	31.415	0.806764285
Dock7	4.7395	5.876	0.806586113
Frmd4a	9.7245	12.061	0.806276428
Wdr48	15.8625	19.674	0.806267155
Pak2	12.105	15.0145	0.806220653
Smarca4	26.0715	32.3455	0.806031751
Rbfox1	56.8135	70.491	0.805968138
Mef2c	6.4285	7.9775	0.805828894
Aff3	22.8635	28.379	0.805648543
Smad4	9.9125	12.304	0.805632315
Clec16a	12.006	14.908	0.805339415



A730098P11Rik	25.567	31.747	0.805335937
Men1	10.7935	13.4045	0.805214667
Got1	272.006	337.866	0.805070649
Zmynd8	25.9865	32.281	0.805009139
Zfp658	2.137	2.6555	0.804744869
Fam43a	5.2075	6.471	0.804744244
Fam13c	6.522	8.1055	0.804638825
Zfp868	7.738	9.617	0.804616824
Rab18	35.195	43.742	0.80460427
1110017D15Rik	2.2225	2.7625	0.804524887
Arhgap20	21.448	26.6615	0.804455863
Cry1	6.1465	7.642	0.804305156
Rsb1	9.3525	11.6285	0.804273982
Usp11	111.176	138.2445	0.804198359
Poli	4.014	4.9915	0.804167084
Rcan2	90.9365	113.1085	0.803975829
Cpsf2	12.163	15.132	0.803793286
Raph1	13.295	16.5405	0.80378465
Nxf1	25.1805	31.3285	0.803756963
Mcat	2.551	3.1745	0.803591117
Speg	3.6385	4.528	0.803555654
Lasp1	27.329	34.0145	0.803451469
Nt5c2	13.148	16.367	0.803323761
Nfyb	6.5315	8.1315	0.803234336
Gm11810	1.0605	1.3205	0.803104885
Ppp1r14b	9.438	11.752	0.803097345
Mrgpre	22.979	28.6135	0.803082461
Ywhag	514.162	640.261	0.803050631
Syt11	115.915	144.3445	0.803044106
Oxct1	39.8735	49.6535	0.803035033
Uhrf1bp1	3.889	4.8435	0.802931764
Prp	1.804	2.247	0.802848242
Tab1	3.134	3.904	0.802766393
Cpne8	42.2655	52.6505	0.802755909
Fam134c	4.4405	5.532	0.80269342
Rbm7	5.2005	6.481	0.802422466
Pspc1	15.1545	18.886	0.802419782
Mbtps1	7.1005	8.85	0.802316384
Rint1	8.641	10.772	0.802172299
P4hb	26.9465	33.5925	0.80215822
Gtf3a	15.383	19.1775	0.802137922
Coq3	6.9835	8.7075	0.802009762
Nudcd3	29.0515	36.225	0.801973775
Mll1	26.5885	33.154	0.801969596
Dnajc7	64.0795	79.907	0.801925989
Tmem188	13.477	16.808	0.801820562
Pibf1	2.7185	3.3905	0.801799145
Gabra4	4.7385	5.9115	0.801573205
Dcdc2a	2.3485	2.9305	0.801399079
Fastkd2	1.9335	2.413	0.801284708
Ncbp1	6.5675	8.1965	0.801256634
Epb4.111	77.2015	96.351	0.801252711
Klc4	3.5865	4.48	0.800558036
Rab5b	40.642	50.773	0.800464814
Eif4a2	132.386	165.4735	0.800043511

Afg3l2	32.013	40.019	0.799945026
RbmX	36.5255	45.6685	0.799796359
Gpm6a	87.906	109.9215	0.799716161
Wdr35	7.969	9.965	0.799698946
Gtf2i	42.5635	53.232	0.799584836
AcsL4	6.4075	8.014	0.799538308
Vcan	2.1325	2.6675	0.799437676
Myo18a	9.8315	12.3015	0.799211478
Ccdc94	2.506	3.136	0.799107143
Gtf2f1	40.677	50.9085	0.799021774
Pigc	2.268	2.8395	0.798732171
Lancl2	31.7355	39.746	0.798457706
Nr2f2	23.4925	29.424	0.79841286
AA415398	3.027	3.7915	0.798364763
Ptdss1	10.8615	13.608	0.798170194
Tmub2	4.586	5.746	0.798120432
Exoc7	10.9	13.658	0.798067067
Slc30a9	37.3095	46.75	0.798064171
Ppfia2	22.5175	28.216	0.798040119
Gpcpd1	7.4535	9.3415	0.797891131
Pja2	81.7365	102.4425	0.797876858
Carf	3.493	4.378	0.797852901
Mepce	7.7605	9.729	0.797666769
Rnf19a	6.1435	7.702	0.797649961
Hsp90b1	87.5605	109.778	0.797614276
A830010M20Rik	20.3155	25.473	0.797530719
Stxbp2	3.519	4.413	0.797416723
Tomm70a	16.602	20.829	0.797061789
Tbc1d20	14.7155	18.465	0.796940157
Cdc37	25.349	31.8095	0.796900297
Rab3gap2	12.246	15.37	0.79674691
Zfp558	2.057	2.582	0.796669249
2610027L16Rik	2.176	2.7315	0.796631887
Chrn2	7.4275	9.325	0.796514745
Zfp772	4.2075	5.2825	0.79649787
2310033P09Rik	22.115	27.7665	0.796463364
Ints9	7.119	8.939	0.796397807
Dpp10	13.102	16.4535	0.796304738
Mov10	2.0855	2.619	0.796296296
Nudt19	9.011	11.317	0.796235752
Clpx	7.0335	8.8345	0.796140132
Timp2	168.6405	211.826	0.796127482
Impact	208.4415	262.029	0.795490194
Bckdk	7.9225	9.9595	0.79547166
Kcnk1	11.381	14.3095	0.795345749
Egln2	14.794	18.6015	0.795312206
Gm7969	2.0795	2.6155	0.795067865
Dgcr6	7.416	9.3295	0.794897904
Gm4988	3.6585	4.6025	0.794894079
Slc39a1	5.1135	6.433	0.794885745
Cluap1	11.3815	14.3185	0.794880749
Crim1	18.368	23.108	0.794876233
Dpysl5	27.401	34.4755	0.794796305
Pded6ip	24.674	31.0455	0.794768968
Cyb561	9.2915	11.6915	0.794722662

D030074E01Rik	4.553	5.7295	0.79465922
Pcdhac2	12.407	15.617	0.794454761
Nav1	16.4795	20.744	0.794422484
Shank2	7.0995	8.937	0.794394092
Gpbp111	16.673	20.989	0.794368479
1190007F08Rik	2.5075	3.157	0.794266709
Dopey1	5.0035	6.3	0.794206349
0610010B08Rik	3.5015	4.409	0.794171014
Mfsd1	4.1005	5.1635	0.794131887
Rab40b	4.171	5.2525	0.794098049
Fbxo3	12.2015	15.37	0.793851659
Usp12	17.068	21.5015	0.793805083
Ubp1	13.945	17.569	0.793727588
4833420G17Rik	22.2175	27.9935	0.793666387
Dusp1	14.711	18.5355	0.793666208
Mblac1	2.3125	2.914	0.793582704
Lrp10	3.203	4.0365	0.793509228
Chst2	32.3545	40.778	0.793430281
Rpl17	302.428	381.183	0.7933932
Nefm	123.763	156.005	0.793327137
Dyrk1b	9.842	12.41	0.793070105
Tmeff2	19.4135	24.486	0.792840807
Rab11fip5	15.2475	19.232	0.79281926
Ubn1	5.552	7.0035	0.792746484
Pisd	17.147	21.6325	0.792649948
AF529169	3.9905	5.0355	0.792473439
Nkap	4.8315	6.0975	0.792373924
Hmgbl	38.8655	49.057	0.79225187
Klf10	1.7075	2.1555	0.792159592
Ankrd26	7.4135	9.3635	0.79174454
Usp3	3.062	3.8675	0.791725921
Taldo1	14.2425	17.9895	0.791711832
Star	4.1595	5.254	0.791682528
Lame1	2.441	3.0835	0.791632885
Sorcs2	2.667	3.369	0.791629564
Myst3	13.3415	16.855	0.791545535
6720456H20Rik	2.1945	2.7725	0.791523895
Ythdf2	5.985	7.5615	0.791509621
Gal3st3	11.6485	14.718	0.791445849
Glyrl	26.855	33.9365	0.791330868
Rpl14	237.268	299.8635	0.791253354
Mppe1	3.77	4.765	0.791185729
Vcpip1	12.6085	15.9375	0.791121569
Canx	39.1035	49.4405	0.790920399
Kif5b	28.988	36.653	0.790876599
Ptchd1	4.0975	5.181	0.790870488
Cdr2l	7.4885	9.47	0.790760296
B230312A22Rik	6.7225	8.502	0.790696307
Adk	8.626	10.9105	0.790614546
Dbnl	26.14	33.0655	0.790552086
2810006K23Rik	15.726	19.9025	0.790151991
2900092E17Rik	12.5255	15.8545	0.790028068
Plekho1	7.668	9.7095	0.789742005
Lgals3bp	25.2295	31.9475	0.789717505
Maz	10.5415	13.3485	0.7897142

Sec24a	5.289	6.6975	0.789697648
Lrp1	11.3105	14.323	0.789673951
Rps3a	314.469	398.258	0.789611257
Dpp6	43.647	55.279	0.789576512
Scn1a	18.0355	22.842	0.789576219
Sulf1	4.5045	5.705	0.789570552
D11Wsu99e	14.0865	17.841	0.78955776
Prpf39	4.8485	6.1415	0.789465114
Ccnt2	6.02	7.6255	0.789456429
Slc12a5	50.897	64.473	0.789431235
Zfp281	7.104	8.999	0.789421047
Tubgcp2	7.3605	9.3245	0.789372084
Srp68	43.1845	54.708	0.78936353
Slc25a19	14.2435	18.046	0.789288485
Dph3	9.233	11.698	0.789280219
Srp72	46.039	58.34	0.789149811
Mccc1	2.4875	3.1525	0.789056305
Prkcz	21.1215	26.7685	0.789043092
Unc79	7.712	9.775	0.788951407
Pik3c3	14.9565	18.9585	0.78890735
Dtx4	4.7745	6.053	0.788782422
Tspo	1.314	1.666	0.788715486
Tmem30a	23.5555	29.872	0.788547804
Mast2	23.1855	29.403	0.788541986
Bean	11.684	14.8185	0.788473867
Smap1	42.235	53.572	0.788378257
Rasa3	8.404	10.6615	0.788256812
Osbpl3	1.327	1.6835	0.788238788
Zfp235	3.082	3.911	0.788033751
Sf3b1	18.784	23.837	0.788018627
Git1	48.948	62.1175	0.787990502
Nlgn3	47.144	59.8625	0.787538108
Nedd4l	29.8875	37.9515	0.78751828
D9Ert402e	9.154	11.6285	0.787203853
Kcnh1	5.473	6.9525	0.787198849
Hyi	8.1685	10.379	0.787021871
Ccdc90b	14.088	17.902	0.786951179
Setd4	1.407	1.788	0.786912752
Lrrc40	5.656	7.1895	0.786702831
Fbxo33	9.0625	11.521	0.786607065
Dlat	21.236	27.0025	0.786445699
Sptlc1	2.4965	3.175	0.786299213
Urgcp	7.3755	9.382	0.786133021
Ralgapa1	11.551	14.696	0.785996189
Tarsl2	7.0915	9.023	0.785935941
Pgd	13.0215	16.5695	0.785871632
1500001M20Rik	3.233	4.1145	0.785757686
Wac	35.5975	45.3045	0.785738724
Kcnb2	4.5475	5.7885	0.785609398
Plxna3	1.9535	2.487	0.78548452
Med15	24.66	31.395	0.785475394
Ankrd11	46.5575	59.281	0.78536968
Fndc3b	5.271	6.7125	0.785251397
Ptpmt1	6.2215	7.923	0.785245488
AI846148	5.793	7.3775	0.785225347

Gm5148	104.5655	133.1825	0.785129428
Taco1	5.2695	6.713	0.784969462
Tfb1m	5.5285	7.0465	0.784573902
Myh10	34.9835	44.59	0.784559318
1600014C10Rik	16.191	20.6385	0.784504688
Madd	30.9355	39.4345	0.784478059
Sh3gl1	5.947	7.584	0.784150844
Lgr4	2.118	2.7015	0.784008884
Smpd4	4.481	5.7155	0.784008398
Nono	38.9905	49.763	0.783523903
Nip7	10.4855	13.3835	0.783464714
Ncam2	22.717	29.0005	0.783331322
Gm5121	1.199	1.531	0.783148269
Thumpd1	17.0455	21.773	0.782873283
Rpl9	352.9105	450.836	0.782791303
Dhx8	6.3625	8.1295	0.782643459
Fam163b	21.9575	28.0565	0.782617219
Me3	3.205	4.0955	0.782566231
Sap30	2.3635	3.0205	0.782486343
Fndc5	19.6875	25.163	0.78239876
Rwdd4a	14.8175	18.9415	0.782277011
Fastkd1	3.724	4.7615	0.782106479
Pex3	4.5955	5.876	0.782079646
Rph3a	115.0115	147.077	0.781981547
Snx24	4.7945	6.1315	0.78194569
Adprhl2	1.956	2.5015	0.781930841
Cnih3	7.2925	9.3285	0.781744117
Map2k1	75.976	97.1965	0.781674237
Tnks1bp1	1.5165	1.9405	0.781499614
Hnrnpm	25.088	32.103	0.781484596
Kdelc2	3.722	4.764	0.781276238
Lhfp13	15.8985	20.35	0.781253071
2610029I01Rik	19.9595	25.5485	0.781239603
Rcn1	7.878	10.084	0.781237604
Map4k2	8.858	11.339	0.781197636
Cd2bp2	10.7025	13.7035	0.781004853
Celf3	31.4545	40.28	0.780896226
Smug1	1.947	2.494	0.780673617
Ptgs1	4.0015	5.1265	0.780552034
Alkbh4	1.228	1.5735	0.780425802
Mpnd	14.575	18.6825	0.780141844
Casc4	32.353	41.4795	0.779975651
Cntn1	45.933	58.8915	0.779959757
9330159F19Rik	18.565	23.807	0.77981266
Pex26	10.4925	13.456	0.779763674
Ksr1	3.0175	3.87	0.779715762
Snx4	20.938	26.855	0.779668591
Acox1	35.488	45.521	0.77959623
Polr1e	4.516	5.793	0.77956154
Mbtps2	3.799	4.8735	0.779521904
Cox6a2	2.839	3.642	0.779516749
Hemk1	2.94	3.772	0.779427359
Tln1	1.6965	2.177	0.779283418
Ubxn2b	8.628	11.0725	0.779227817
Zbtb24	3.833	4.9215	0.778827593

Carns1	2.055	2.6395	0.778556545
Zfp90	6.6825	8.586	0.778301887
Eed	3.2455	4.1705	0.778204052
2700078E11Rik	12.854	16.518	0.778181378
4922501C03Rik	5.379	6.916	0.777761712
Snrnp48	4.5035	5.7905	0.777739401
Yaf2	40.2295	51.732	0.77765213
Ephx2	1.5735	2.0235	0.777613047
Ephb1	7.1605	9.2095	0.777512351
Nomo1	11.142	14.3335	0.777339798
Mon1b	12.336	15.871	0.777266713
Trp53i11	43.1105	55.483	0.777003767
Prkacb	257.4765	331.382	0.776977929
Vps36	8.7525	11.265	0.776964048
Zfp867	1.5095	1.9435	0.776691536
Tsen2	3.9505	5.0865	0.776663718
Atp2a2	100.6665	129.634	0.776543962
Erf	3.014	3.883	0.776203966
St5	2.495	3.2145	0.776170478
Pgrmc2	17.353	22.3615	0.776021287
Rit2	169.3665	218.2995	0.775844654
Gemin5	3.478	4.483	0.775819764
Tmem65	54.1105	69.769	0.775566512
Cav2	2.7735	3.5765	0.77547882
Itpr2	1.427	1.8405	0.77533279
Tomm34	29.3575	37.869	0.775238322
Smarca2	164.313	211.994	0.775083257
Tmem134	2.8975	3.7395	0.774836208
Cog5	9.889	12.7645	0.774726781
Tnfaip811	1.131	1.4605	0.774392331
Tbccd1	3.6165	4.6705	0.77432823
Fbxo10	12.3675	15.974	0.774226869
Bpnt1	53.4265	69.0115	0.774168073
3830406C13Rik	6.8585	8.862	0.773922365
Cpne4	9.819	12.69	0.773758865
Shc3	6.884	8.8975	0.773700478
Cxxc1	22.2755	28.792	0.773669769
Grem2	5.825	7.531	0.773469659
Med1	25.7075	33.24	0.773390493
Zfp334	10.2155	13.2135	0.773110834
Haus1	6.007	7.77	0.773101673
Tmcc3	9.1025	11.7745	0.77306892
Ugp2	10.942	14.155	0.77301307
Zfp512	14.8885	19.261	0.772986865
Smc1a	20.7195	26.813	0.772740835
Bmi1	7.055	9.13	0.772727273
Cryz11	22.4935	29.112	0.772653888
Rsph3b	11.191	14.485	0.772592337
Brwd1	26.4755	34.27	0.772556172
Fbxw17	2.3825	3.0845	0.772410439
Zmiz1	49.6415	64.2805	0.77226375
Ywhaz	913.1835	1182.914	0.771977929
Gm15710	104.359	135.246	0.77162356
Mfap2	1.299	1.6835	0.771606772
Pcdhga11	2.322	3.0095	0.771556737

Megf10	1.141	1.479	0.771467208
Ubap2l	85.7885	111.223	0.771319781
Grb14	9.8465	12.7665	0.771276387
Adrbk1	22.16	28.7385	0.771091045
Capn7	8.4255	10.927	0.771071657
Pld2	1.6265	2.1095	0.77103579
Zfp846	3.5795	4.6425	0.771028541
Cbx3	91.6745	118.944	0.770736649
Auts2	19.342	25.097	0.770689724
BC027231	3.715	4.8205	0.770666943
Qpctl	3.974	5.157	0.770603064
Kdm6b	8.1525	10.58	0.770557656
Syt12	4.8895	6.346	0.770485345
Zfp760	2.0265	2.6305	0.770385858
Slc27a4	5.814	7.547	0.770372333
Cic	14.818	19.2385	0.770226369
Clu	65.572	85.1395	0.770171307
Dleu7	4.355	5.655	0.770114943
Opa3	15.413	20.014	0.770110922
Chm	8.2005	10.649	0.770072307
Gosr2	26.214	34.0415	0.770060074
Zdhhc2	9.7	12.597	0.770024609
Tm7sf3	6.8285	8.868	0.770015787
Gm10224	9.925	12.8915	0.769887135
Cap2	45.2605	58.79	0.769867324
BC057022	10.111	13.1335	0.769863327
Def8	6.2635	8.136	0.769850049
Inpp4a	33.982	44.1545	0.769615781
Dbr1	3.2805	4.2635	0.769438255
Trib2	9.9375	12.9165	0.769364766
1110067D22Rik	14.094	18.3215	0.769260159
Plcx2	12.707	16.5195	0.769212143
Ddx42	12.731	16.554	0.769058838
Atp5b	1377.887	1791.79	0.769000273
Nsun7	2.016	2.622	0.768878719
Blvra	7.779	10.118	0.768827832
Golga7b	16.5405	21.5165	0.768735622
Sgpl1	81.718	106.324	0.768575298
Gpr61	1.4205	1.8485	0.768460914
Arhgef6	4.235	5.512	0.768323657
Sec23b	8.0095	10.427	0.768149995
Pcdh17	32.6255	42.474	0.768128738
Hirip3	11.5085	14.9855	0.76797571
Vprbp	9.02	11.7465	0.767888307
Rprd2	13.5535	17.652	0.767816678
Dock4	5.0015	6.5145	0.767748868
Tnip2	2.462	3.2075	0.767575994
Xpc	2.4785	3.229	0.767575101
Mib1	10.377	13.5215	0.76744444
Serpine2	36.0905	47.0275	0.767433948
Trnt1	11.5005	14.988	0.767313851
Kctd20	5.881	7.6645	0.767303803
Actr1a	55.857	72.8055	0.767208521
Zfp869	6.646	8.663	0.767170726
Nupl2	3.4835	4.5415	0.767037322

Nol9	3.802	4.9595	0.766609537
Dmx11	4.2655	5.5645	0.766555845
Slc6a17	51.81	67.601	0.766408781
Npr2	3.11	4.0595	0.7661042
Tspyl3	11.2705	14.7125	0.766049278
Trp53	21.721	28.3555	0.766024228
Vps16	8.3495	10.9005	0.765974038
Ldha	126.8175	165.5955	0.76582697
Zfp52	1.4425	1.8845	0.765455028
Pdcd4	57.8695	75.6125	0.765343032
Zswim5	3.5355	4.62	0.76525974
Rnf44	36.5715	47.7985	0.765118152
Ipo7	6.984	9.1285	0.765076409
Mtm1	1.286	1.681	0.765020821
Gtf3c4	6.7895	8.881	0.764497241
Rere	43.8065	57.304	0.764457979
Rnf113a1	4.8025	6.283	0.764364157
Pdha1	28.123	36.7935	0.764346963
Tsn	32.9635	43.135	0.76419381
Chl1	22.077	28.901	0.763883603
Zyx	7.6345	9.9955	0.763793707
Zfp830	7.998	10.472	0.763750955
Hsph1	104.769	137.18	0.76373378
Rap1gds1	46.149	60.4275	0.763708576
Ogdh	55.483	72.65	0.763702684
LOC100504663	7.4595	9.7685	0.763627988
Arfgef2	12.076	15.816	0.763530602
Alg9	3.3805	4.4275	0.763523433
Adnp	36.5895	47.9265	0.763450283
Clpb	4.3085	5.644	0.763377038
Kirrel3	6.1205	8.0185	0.763297375
LOC100504442	5.714	7.4865	0.7632405
Fam70a	40.714	53.357	0.763048897
Prrt2	110.754	145.23	0.762611031
Crabp1	1.9865	2.605	0.762571977
Dnajb9	15.063	19.7595	0.76231686
Ctsl	29.8685	39.1815	0.762311295
Lrrc47	58.3005	76.4865	0.762232551
Pdyn	5.5345	7.2615	0.76217035
Suz12	10.85	14.2365	0.762125522
Ankrd34b	23.683	31.0755	0.762111631
Spata5	4.793	6.2895	0.762063757
Zbtb25	6.953	9.1245	0.762014357
Fam181b	4.8175	6.3225	0.76196125
2610030H06Rik	7.829	10.275	0.761946472
Gosr1	12.1195	15.907	0.761897278
Tmem57	15.1315	19.8635	0.761774108
Cdc5l	20.5835	27.024	0.761674808
Dir2	7.8955	10.3665	0.761636039
Rbm18	15.7715	20.7075	0.761632259
Pomt2	2.203	2.8925	0.761624892
Repin1	10.477	13.757	0.761575925
Nup133	4.3575	5.7235	0.761334848
Med14	27.9925	36.7685	0.761317432
Srsf9	11.095	14.574	0.761287224



Fdxacb1	1.12	1.4715	0.761128101
S1pr3	1.1275	1.4815	0.761052987
Slc44a2	5.1655	6.789	0.760863161
Nudt9	26.507	34.8465	0.760678978
Klf8	1.881	2.473	0.760614638
Ppp3r1	56.8595	74.7555	0.760606243
Gmeb2	1.6525	2.173	0.760469397
Nup188	2.332	3.0675	0.760228199
Acss2	4.331	5.6975	0.760157964
Capns1	325.1535	427.7745	0.760104915
Zfp704	6.0135	7.9115	0.760096063
Cadm1	31.08	40.8965	0.759967234
LOC100503563	23.0615	30.347	0.759926846
Tmbim6	64.9655	85.506	0.759777092
Drp2	5.589	7.3565	0.759736288
Rtf1	51.181	67.3805	0.759581778
4732471D19Rik	4.3105	5.676	0.759425652
Eif4b	86.264	113.6115	0.759289333
Dazap1	9.9985	13.169	0.759245197
Kcnt1	4.4605	5.875	0.759234043
Saa4	2.895	3.8145	0.758946127
Paxip1	20.966	27.6275	0.758881549
No14	12.969	17.0905	0.758842632
Tmtc2	1.441	1.899	0.758820432
9430015G10Rik	2.7385	3.609	0.758797451
2210021J22Rik	12.183	16.0565	0.758758135
E130303B06Rik	2.226	2.934	0.758691207
Txndc12	18.7475	24.7115	0.758654877
Gdf11	1.5205	2.0045	0.758543278
Gspt2	6.826	9	0.758444444
Tmem108	7.2555	9.57	0.75815047
Tra2a	13.896	18.33	0.758101473
Srsf7	18.266	24.0965	0.758035399
Slc25a40	1.385	1.8275	0.757865937
Kras	28.2525	37.2805	0.757835866
Lamp1	73.591	97.1285	0.75766639
Sos1	19.246	25.411	0.757388533
Gbe1	2.4515	3.237	0.75733704
Cry2	28.652	37.8335	0.75731825
1200011M11Rik	7.3795	9.7475	0.757065914
Gm8759	797.1805	1053.203	0.756910586
Khyn	3.072	4.059	0.756836659
Gabrb3	52.8195	69.805	0.756672158
Mical3	7.929	10.479	0.756656169
Adck4	3.526	4.661	0.756490024
BC030476	1.483	1.9605	0.756439684
Riok3	13.5845	17.9695	0.755975403
Nsmce2	23.2635	30.774	0.755946578
Adarb2	6.0415	7.993	0.755848868
Nars	88.4155	116.997	0.755707411
Bag3	7.773	10.2865	0.75565061
Tmem25	5.024	6.649	0.755602346
P4ha2	2.2225	2.942	0.755438477
Cpt1c	5.6895	7.5315	0.755427206
2510039O18Rik	4.6545	6.1625	0.755294118

Setd1b	5.972	7.9075	0.755232374
Med7	4.426	5.861	0.755161235
Scml4	3.7825	5.0095	0.755065376
Dock10	8.836	11.7025	0.755052339
Tmem179	39.851	52.7835	0.754989722
Zcchc3	15.6385	20.714	0.754972482
Clcn5	6.7445	8.9335	0.754967258
Slc36a4	15.86	21.0115	0.754824739
Omg	52.9425	70.14	0.754811805
Gucy1a3	12.1495	16.103	0.754486742
Cited2	17.995	23.8545	0.754365005
D15Erttd621e	13.363	17.7145	0.754353778
Pikfyve	5.021	6.658	0.754130369
Dlst	35.0695	46.511	0.754004429
2810055F11Rik	3.7375	4.9575	0.75390822
Opa1	57.5845	76.385	0.753871833
Scarb2	10.11	13.411	0.753858773
Zfp354b	3.5535	4.7155	0.753578624
Nfkbia	1.8405	2.4425	0.753531218
Gpn3	18.1125	24.0405	0.75341611
R3hcc1	12.831	17.0335	0.753280301
Tanc2	29.324	38.9305	0.753239748
Pcsk6	1.007	1.337	0.753178758
4931406P16Rik	7.5695	10.0505	0.75314661
Gm8457	1.9125	2.5395	0.753101004
Pcsk7	2.9615	3.9325	0.75308328
Snw1	17.272	22.939	0.752953485
Slc23a2	13.5715	18.0265	0.752863839
Gins4	13.6215	18.0935	0.752839417
Gramd1b	17.1105	22.732	0.752705437
Mrrf	9.0725	12.054	0.75265472
Tasp1	11.913	15.8295	0.752582204
Atp8a1	19.001	25.255	0.752365868
Pnmal2	68.8435	91.5145	0.752268766
Cops2	32.778	43.5825	0.752090862
Pccb	12.364	16.44	0.752068127
M6pr	20.85	27.7285	0.751933931
Hmbox1	10.0505	13.3665	0.751917106
Asb13	10.3865	13.8135	0.751909364
Camk2b	125.896	167.4465	0.751858056
Dennd4a	6.7485	8.977	0.751754484
Dhrs1	56.839	75.623	0.75160996
Wasf3	68.008	90.4835	0.751606647
Brms1l	18.995	25.273	0.751592609
Inpp5e	13.311	17.7205	0.751163906
Ss18l1	35.081	46.707	0.751086561
C2cd3	4.599	6.1235	0.751041071
Tor1b	4.2465	5.656	0.750795615
Csrnp2	8.242	10.978	0.750774276
Siae	2.777	3.699	0.750743444
Qsox1	1.823	2.4285	0.750669137
Dock9	7.2	9.593	0.750547274
Hadhb	38.956	51.9075	0.75048885
Atmin	31.465	41.929	0.75043526
Actr3	50.9995	67.964	0.750389912

Strap	28.9425	38.5745	0.750301365
Akap17b	3.856	5.14	0.750194553
Actr1b	169.5055	225.9965	0.750035952
Pcdhb5	1.587	2.116	0.75
Scn4b	1.5765	2.102	0.75
Dr1	10.0305	13.3755	0.749915891
Zfp59	1.931	2.575	0.749902913
Znf512b	5.745	7.665	0.749510763
Dgkk	36.388	48.562	0.74931016
Anp32e	17.8515	23.8305	0.74910304
D11Bwg0517e	63.944	85.361	0.749100877
Panx2	12.508	16.6995	0.749004461
Hmg20a	31.952	42.6705	0.748807724
Dagla	5.843	7.8045	0.748670639
Agpat4	33.254	44.418	0.748660453
Esco1	3.118	4.165	0.748619448
Cacnb2	32.952	44.0355	0.748305345
Anks1b	41.8675	55.9535	0.748255248
Rad21	28.055	37.497	0.748193189
Srcin1	10.508	14.045	0.748166607
Prkcdbp	6.7645	9.042	0.748119885
Gtf2b	23.881	31.9295	0.747929031
1500035N22Rik	4.404	5.89	0.74770798
Ghr	3.348	4.478	0.747655203
Orc2l	4.0745	5.45	0.747614679
Map3k12	15.852	21.204	0.747594793
Rnf220	85.6425	114.5865	0.747404799
Aktip	38.109	50.99	0.74738184
Cdnf	2.6105	3.493	0.747351847
Gon4l	19.8735	26.592	0.747348827
Fgf14	25.252	33.791	0.747299577
Eif4e2	32.3825	43.3365	0.747233856
Vps13c	5.3875	7.21	0.747226075
BC067068	2.146	2.872	0.747214485
Sdc3	25.4535	34.08	0.746875
Ung	4.2435	5.682	0.746832101
Kdsr	6.184	8.2805	0.746814806
Bend6	61.9945	83.019	0.746750744
Slc12a9	2.338	3.131	0.746726286
Klf9	24.6865	33.065	0.746605172
Csnk1g3	16.567	22.195	0.746429376
Ppt1	15.827	21.2045	0.74639817
Tmem199	9.903	13.2705	0.746241664
2410042D21Rik	3.8675	5.183	0.746189466
Acin1	21.5435	28.873	0.746146919
Prkar2a	26.496	35.512	0.74611399
Syt1	113.427	152.075	0.745862239
Mtap1a	105.611	141.598	0.74585093
Napg	43.286	58.0405	0.745789578
Smarcal1	15.8825	21.2975	0.745744806
Tiparp	3.002	4.0265	0.745560661
Slc8a1	16.979	22.7735	0.745559532
Ephb6	1.2435	1.668	0.745503597
Ccdc148	5.0655	6.795	0.745474614
Dnttip2	17.9445	24.077	0.745296341

Sidt2	4.057	5.4435	0.745292551
Rbm24	4.1715	5.598	0.745176849
2810008M24Rik	8.9925	12.068	0.745152469
5730528L13Rik	5.3605	7.1945	0.74508305
2310037I24Rik	9.7605	13.1	0.745076336
LOC100504354	1.751	2.3505	0.744947883
Ip6k1	29.8695	40.0975	0.744921753
Blmh	25.449	34.164	0.74490692
Mlst8	3.1955	4.29	0.744871795
Wdr12	8.2	11.0115	0.744676021
Klraql	10.867	14.5935	0.744646589
Pcgf5	6.0095	8.0705	0.744625488
D3Bwg0562e	12.398	16.651	0.744579905
Htr1d	1.326	1.781	0.744525547
1810013D10Rik	11.4305	15.353	0.744512473
Mthfd2	4.46	5.991	0.744450008
Elavl4	48.5345	65.198	0.744417007
Ino80b	3.523	4.733	0.744348194
Ace	3.632	4.8795	0.744338559
Smc3	20.5665	27.6315	0.744313555
Ehd4	6.299	8.4635	0.744254741
Rnf216	11.0885	14.9005	0.744169659
Nab1	5.715	7.6805	0.744092181
Pcdhga12	2.9385	3.9495	0.74401823
2410016O06Rik	3.7	4.973	0.744017696
Csnk1d	36.5755	49.166	0.743918562
Supt3h	6.2165	8.362	0.743422626
Ephx3	1.836	2.47	0.743319838
Ssh2	9.1975	12.374	0.743292387
Arf2	18.5295	24.9315	0.743216413
Pkp4	68.6975	92.4465	0.743105472
Dpf2	27.9435	37.605	0.743079378
Mrs2	6.7055	9.0245	0.743032855
Prkce	44.726	60.2015	0.742938299
Ppargc1a	33.3185	44.8595	0.742730079
Kat5	25.378	34.1835	0.742404961
Trub1	7.3985	9.966	0.742374072
Ankrd13c	10.277	13.8435	0.742370065
Hcn4	3.187	4.294	0.742198416
Gm10493	2.3965	3.229	0.742180242
Fam172a	5.4335	7.322	0.742078667
Bnip3l	40.8455	55.0465	0.742018112
LOC100503085	1.057	1.4245	0.742014742
Zfp828	8.9475	12.0605	0.741884665
Dyrk1a	25.331	34.151	0.741735235
Kctd10	13.5615	18.285	0.741673503
Aip	57.8925	78.061	0.741631545
Golph3l	9.2835	12.518	0.741612079
Arf3	671.655	905.8755	0.741442947
Smad9	5.723	7.7195	0.74136926
Ppm1l	4.953	6.6815	0.741300606
Ehmt1	4.606	6.214	0.741229482
Spata2	11.748	15.8515	0.7411286
Sh3gl2	78.3645	105.749	0.741042468
4930486G11Rik	2.046	2.7615	0.740901684

Cpped1	14.0305	18.9395	0.740806251
Cytip1	4.3465	5.8675	0.740775458
Dzip3	14.552	19.6445	0.740767136
Tomm40l	9.229	12.4625	0.740541625
Polr3k	11.8375	15.9915	0.740237001
Sng6	12.3405	16.6715	0.740215338
Mrps5	24.336	32.877	0.740213523
Mum1	3.133	4.2335	0.740049604
Sh2d2a	1.6665	2.2525	0.739844617
Pcdhb18	1.2065	1.631	0.739730227
Lrp3	12.6035	17.0525	0.739099839
Sdcbp	40.677	55.044	0.738990626
Ahctf1	4.898	6.63	0.738763198
Rnh1	15.128	20.4775	0.738762056
Slc29a4	4.5275	6.1285	0.738761524
Tm7sf2	1.285	1.7395	0.738718022
Ube2d3	95.121	128.7775	0.738646114
Kdm5c	6.058	8.2015	0.73864537
Vps33b	26.58	35.9875	0.738589788
Slc25a33	10.8675	14.7175	0.738406659
Sym	2.361	3.199	0.738043138
Dgkb	23.57	31.9365	0.738027022
Cdk5rap3	5.2805	7.1555	0.737963804
Darc	23.9	32.3945	0.737779561
Nup93	5.267	7.141	0.737571769
Trp53rk	1.863	2.526	0.737529691
Nae1	13.393	18.1605	0.737479695
Man1b1	3.8635	5.239	0.737449895
Mnd1	1.188	1.611	0.737430168
Tada3	20.9415	28.3995	0.737389743
AI593442	18.7975	25.492	0.7373882
Arid1a	32.308	43.816	0.737356217
Coq5	55.515	75.2955	0.737295057
Phf2	14.0125	19.0065	0.737247784
Snap29	4.827	6.5485	0.73711537
Cdk9	7.5755	10.2795	0.736952186
Rhob	86.569	117.4865	0.736842105
Taf1b	8.5615	11.6195	0.736821722
Cnm2	4.5905	6.2305	0.73677875
Ralgapb	17.1485	23.28	0.736619416
Adipor1	19.5655	26.567	0.736458765
Dlgap2	8.046	10.9255	0.736442268
Phyhd1	3.707	5.034	0.736392531
Acnat1	10.7065	14.543	0.736196108
Taf9b	26.312	35.7405	0.736195632
Slc7a5	7.091	9.633	0.736115437
Otub2	2.281	3.0995	0.735925149
Mmgt1	3.8065	5.173	0.735839938
Plekha6	18.6925	25.4135	0.735534263
Gm10554	2.1775	2.9605	0.735517649
1300001I01Rik	18.6845	25.404	0.73549441
C630004H02Rik	29.8945	40.655	0.735321609
Crtc3	4.4825	6.0965	0.735257935
Flad1	4.26	5.794	0.735243355
6430704M03Rik	18.9295	25.747	0.735211869

Gga2	6.7945	9.242	0.735176369
Kcnb1	12.1435	16.5195	0.735100941
Lzts2	3.8845	5.2845	0.735074274
Wdr13	10.3345	14.0615	0.734950041
Clip3	395.4385	538.064	0.734928373
Arfgef1	12	16.3315	0.734776352
Ccni	48.515	66.0295	0.734747348
Mamld1	30.3725	41.3395	0.734708935
Wdsub1	6.632	9.0315	0.734318773
Nt5dc3	16.6505	22.6755	0.734294723
Nipa2	5.5355	7.539	0.734248574
Psg23	4.2415	5.777	0.734204604
Sacm11	9.9315	13.529	0.734089733
Nadk	5.892	8.0295	0.733794134
Etohi1	19.55	26.643	0.733776226
Cachd1	3.3345	4.5445	0.733744086
Arhgef2	4.282	5.8365	0.733658871
Bclaf1	32.5275	44.3385	0.733617511
Adcy5	11.075	15.097	0.733589455
Fam149b	18.61	25.3685	0.733586929
Ostm1	10.0725	13.7345	0.733372165
Ap3b1	8.0335	10.9545	0.733351591
Acs15	5.759	7.8535	0.733303623
Fam160b2	22.2	30.2815	0.733120882
Serbp1	49.3565	67.3445	0.732895782
Ppip5k2	4.5975	6.2735	0.732844505
Gabre	4.197	5.728	0.73271648
Kif21a	71.2425	97.2355	0.732679937
Alg11	9.0245	12.319	0.732567579
Gm5578	14.6535	20.0035	0.732546804
Cyb561d2	2.2565	3.0805	0.732510956
Ywhab	372.6545	508.7515	0.732488258
Wdr43	7.5955	10.3695	0.732484691
Adam11	5.286	7.217	0.732437301
Chd6	13.702	18.716	0.732100876
Plcb4	25.4235	34.73	0.732032825
Kcna2	16.682	22.7905	0.731971655
Nin	2.7705	3.785	0.731968296
Wdr25	4.539	6.2025	0.731801693
Trpv2	4.3435	5.9365	0.731660069
P2ry1	2.884	3.942	0.731608321
Idh3b	206.6765	282.508	0.731577513
Uros	3.5845	4.9	0.731530612
Pdik11	4.0285	5.507	0.731523516
B3gnt2	4.8105	6.5765	0.731468106
Cdk11	5.321	7.276	0.731308411
Fbxo41	7.244	9.908	0.731126363
Eef1b2	49.1715	67.2545	0.731125798
Grin2b	14.19	19.411	0.731028798
Cyfip2	98.895	135.3065	0.730896151
Tcea1	35.964	49.212	0.730797366
Zfp110	2.0275	2.7745	0.7307623
Ubqln1	43.7455	59.863	0.730760236
Aak1	27.0665	37.041	0.730717313
C2cd4c	3.43	4.6945	0.730642241

Ift52	11.1885	15.3175	0.73043904
Hspa12a	27.5225	37.687	0.730291612
Pnpla6	4.902	6.7125	0.73027933
Ide	7.691	10.532	0.730250665
Pepd	6.075	8.3195	0.730212152
Mark1	10.5565	14.458	0.730149398
Kcnj9	7.5915	10.4015	0.729846657
Lrsam1	4.2255	5.79	0.729792746
Syp	532.838	730.125	0.729790104
Fam189a1	6.8965	9.4505	0.729749749
Eid1	86.9745	119.205	0.729621241
Pi4k2a	20.0725	27.512	0.729590724
Ampd3	6.6945	9.1765	0.729526508
Ncam1	91.1305	124.918	0.729522567
Akr1e1	23.5455	32.2765	0.729493594
Obfc2a	2.518	3.452	0.729432213
4930470H14Rik	46.234	63.393	0.729323427
Dmxl2	13.2925	18.227	0.729275251
Tbc1d2b	4.804	6.588	0.729204614
Plp2	3.1115	4.267	0.729200844
Cdkl4	2.432	3.3355	0.729126068
Cbln2	10.6875	14.6595	0.729049422
Pus1	2.128	2.919	0.729016787
Brd3	25.512	35.004	0.728830991
Rab36	10.1755	13.9615	0.728825699
Kif2a	28.369	38.9275	0.728765012
1110008J03Rik	6.4295	8.824	0.728637806
Xpo7	7.6915	10.5565	0.72860323
Peg10	77.208	105.9815	0.728504503
Smad1	13.949	19.1495	0.72842633
Znfx1	4.729	6.494	0.728210656
Prmt8	15.6815	21.5375	0.728102147
Efr3a	12.2255	16.795	0.727924978
Bmper	1.4645	2.0125	0.727701863
Ocl	20.8055	28.5925	0.727655854
Pigu	7.127	9.7945	0.727653275
Tnpo3	16.865	23.1785	0.727613953
Ip6k2	12.3765	17.01	0.727601411
Cdc123	102.2035	140.4815	0.727522841
Rpgrip11	4.922	6.7675	0.727299594
Golim4	1.708	2.3485	0.727272727
Stxbp5	19.2255	26.4355	0.727260691
Gmids	2.3115	3.179	0.727115445
Lrig2	2.7125	3.731	0.727016886
Lrrc27	11.202	15.412	0.726836232
Farp1	6.4895	8.9285	0.726829815
Pgm2	11.622	15.99	0.726829268
Gm10778	1.8525	2.549	0.72675559
Gnaq	42.5445	58.541	0.726747066
Ube3b	8.1845	11.264	0.726606889
Inpp5f	76.927	105.8895	0.72648374
Plxna2	6.989	9.621	0.726431764
Fbxl16	27.7245	38.166	0.726418802
Rab12	55.877	76.9215	0.726415892
Eif5	50.922	70.1135	0.726279532

Pcdh20	2.435	3.3535	0.726107052
Maob	4.5115	6.214	0.726021886
Ssbp1	11.016	15.174	0.725978648
Tbc1d14	10.475	14.4335	0.725742197
Ranbp6	10.7355	14.793	0.725714865
Scamp5	50.5225	69.629	0.725595657
Pnma2	21.194	29.211	0.725548595
Ube2cbp	1.677	2.3115	0.72550292
Rpp14	5.902	8.137	0.725328745
Rhot2	15.5435	21.4315	0.725264214
Rab21	68.6025	94.607	0.725131333
Pcf11	8.6845	11.977	0.725098105
Klhl15	2.499	3.4465	0.725083418
Pou3f3	5.422	7.4785	0.7250117
Hspa2	5.5915	7.7125	0.724991896
Fam159a	1.4865	2.0505	0.724945135
1110057K04Rik	12.3505	17.037	0.724922228
Eif2c1	11.524	15.897	0.724916651
Fnbp4	7.1235	9.827	0.724890608
Avl9	11.9415	16.4755	0.724803496
Elf2	7.1505	9.8655	0.72479854
4931428F04Rik	1.251	1.7265	0.724587315
Atrnl1	2.8925	3.992	0.724574148
Fam19a1	4.1675	5.752	0.724530598
Msl2	11.4405	15.793	0.724403217
Atpbd4	10.7255	14.806	0.724402269
Smndc1	6.5755	9.078	0.724333554
Dag1	13.018	17.9765	0.724167663
Plcb1	17.774	24.5455	0.724124585
Rmi1	11.096	15.3235	0.724116553
Med23	2.818	3.892	0.724049332
Myo16	3.82	5.2765	0.723964749
Ankrd46	34.3385	47.4505	0.72366993
Uso1	25.066	34.643	0.723551655
Tnrc18	2.5315	3.5	0.723285714
Ankrd35	2.882	3.985	0.723212045
Ccnt1	35.653	49.3055	0.723103913
1700094D03Rik	2.048	2.8325	0.723036187
Cdk17	18.199	25.1705	0.723028943
Etf1	19.3165	26.719	0.722949961
Gnaz	50.7705	70.23	0.722917557
Pcnp	58.1095	80.394	0.722808916
Grm2	1.4095	1.9505	0.722635222
Kif5c	54.442	75.35	0.722521566
Gna11	27.3965	37.9225	0.722433911
Zfp551	3.042	4.211	0.722393731
Bcl9	28.4335	39.3625	0.722349952
Gm9938	1.45	2.0075	0.722291407
Cacna1g	3.8075	5.273	0.72207472
Zfp326	7.0525	9.7685	0.721963454
Baalc	42.18	58.431	0.721877086
Sprn	6.3565	8.807	0.721755422
Ptpn11	29.0565	40.2655	0.721622729
Mobkl3	25.7705	35.713	0.721599978
Sel11	26.7315	37.051	0.721478503



Trpc7	10.8195	14.999	0.72134809
Hsp90aa1	283.759	393.401	0.721297099
Rbm11	6.009	8.3325	0.721152115
Tcfe3	10.4325	14.47	0.72097443
Mnt	10.5095	14.577	0.720964533
LOC100503385	2.2475	3.1175	0.720930233
Pdk3	5.76	7.9905	0.720856017
Kcnj12	3.2355	4.489	0.720761862
Nlrp1a	1.515	2.102	0.72074215
Casp8ap2	2.722	3.7775	0.720582396
Agpat3	15.1625	21.043	0.720548401
Casz1	1.5115	2.098	0.720448046
Ptbp2	24.586	34.134	0.720278901
Unc5d	7.737	10.752	0.719587054
Zdhhc17	15.4905	21.5305	0.719467732
Syt2	9.672	13.445	0.719375232
Rabggtb	39.4075	54.787	0.719285597
Arih2	8.374	11.6425	0.719261327
Paics	39.2405	54.5685	0.719105345
Fbxo42	6.109	8.4955	0.719086575
Traf7	3.472	4.829	0.718989439
Tymp	3.2645	4.5405	0.718973681
Tspyl5	7.427	10.3315	0.718869477
Ppp3ca	126.511	175.9905	0.718851302
Nus1	11.3315	15.7655	0.718752973
Atp2b1	22.0945	30.745	0.718637177
Armc8	22.128	30.795	0.718558208
Lrfn2	1.313	1.8275	0.718467852
Fanc1	2.6305	3.6625	0.718225256
Dscr3	7.615	10.603	0.718192964
Klhl18	6.763	9.4175	0.718131139
Sec22c	4.906	6.8325	0.718038785
H2-DMa	7.739	10.7785	0.718003433
Tgfb1i1	3.136	4.3685	0.717866545
Mtrf11	2.546	3.547	0.717789681
Fyn	20.8635	29.068	0.717748039
Zbtb43	3.2965	4.5935	0.717644498
Zbtb2	5.766	8.0355	0.717565802
Acs13	14.157	19.736	0.717318606
Gpr153	2.347	3.272	0.717298289
Fbx15	11.6335	16.2205	0.717209704
Ube2e3	22.908	31.9465	0.717073858
Elfn2	17.909	24.98	0.716933547
Plaa	6.6375	9.2595	0.716831362
Fam118a	5.3415	7.453	0.716691265
Gas7	32.51	45.3625	0.716671259
Crebzf	4.0115	5.598	0.716595213
Osgin2	3.909	5.455	0.716590284
D10Wsu102e	12.235	17.074	0.716586623
Atl2	8.135	11.353	0.716550691
Nptxr	20.0475	27.9785	0.716532337
Arf6	9.4105	13.1355	0.716417342
Zfp709	1.217	1.699	0.716303708
Shisa9	18.7885	26.231	0.716270825
Nrg3	9.267	12.9385	0.716234494

Neurl4	5.6715	7.9185	0.716234135
Exoc4	14.895	20.8005	0.716088556
Pdzd11	35.6825	49.846	0.715854833
Sec11a	9.7475	13.6195	0.715701751
2610018G03Rik	2.4795	3.4645	0.715687689
BC066028	19.2255	26.8685	0.715540503
1190005F20Rik	9.7315	13.6015	0.715472558
Lgi2	4.5555	6.368	0.715373744
Slc2a13	8.08	11.296	0.71529745
Mtap	4.466	6.2445	0.715189367
Zfp804a	9.58	13.3965	0.715112156
Slc38a7	1.958	2.7385	0.714989958
Gm5292	2.206	3.0855	0.714957057
Scn5a	2.395	3.35	0.714925373
Zfp248	3.9725	5.5575	0.71479982
Supt16h	16.031	22.4335	0.714600932
Lman1	5.7355	8.0275	0.71448147
Sptlc2	7.041	9.856	0.714387175
4930506M07Rik	11.6865	16.362	0.714246425
Usp32	19.287	27.007	0.714148184
Rbbp8	1.2325	1.726	0.714078795
Klhl32	1.699	2.3795	0.714015549
Pdcd11	4.1115	5.7585	0.713988018
Pyroxd1	7.0965	9.9395	0.713969516
Ubap1	19.178	26.863	0.713918773
Urod	16.5535	23.187	0.713912968
Efnb2	6.047	8.471	0.713847244
Epb4.113	66.2965	92.8865	0.713736657
Arhgap21	20.961	29.372	0.71363884
Txn11	51.998	72.866	0.713611286
Sox11	6.126	8.586	0.713487072
Gm7609	3.4545	4.8425	0.713371193
Ube2g2	15.063	21.116	0.713345331
Rps4x	213.507	299.3345	0.713272276
Stam	19.7985	27.7575	0.713266685
Tbrg4	6.3455	8.898	0.713137784
Sms	35.03	49.125	0.71307888
Atp2c1	11.2785	15.818	0.713016816
Usp16	7.739	10.86	0.712615101
Pcid2	5.816	8.1625	0.712526799
Mllt6	6.323	8.879	0.712129744
Rtn2	6.784	9.527	0.712081453
Hrh1	1.3745	1.9305	0.711991712
Zxdb	3.5475	4.984	0.711777689
Trerf1	8.52	11.9735	0.711571387
Acbd4	6.3745	8.959	0.711519143
Hps5	1.601	2.2505	0.711397467
Porcn	9.469	13.311	0.711366539
Zfp784	3.475	4.886	0.711215718
Zic3	2.804	3.943	0.711133655
Fdps	10.895	15.3225	0.711045848
Gm4455	5.9165	8.3225	0.710904175
Npas3	4.488	6.3135	0.710857686
Lypla1	7.1385	10.0425	0.710828977
Pea15a	116.787	164.324	0.710711765

Api5	12.491	17.5795	0.710543531
6230409E13Rik	18.6745	26.287	0.710408187
Gmip	1.8615	2.621	0.710225105
Bod11	12.9715	18.265	0.710183411
Tacc2	8.6425	12.1715	0.710060387
Lrrc41	10.3395	14.562	0.710032963
Cdc23	9.395	13.2325	0.709994332
Ccnj	2.006	2.826	0.709837226
Oxr1	25.138	35.4145	0.709822248
Copg2	15.435	21.7495	0.709671487
Edc3	3.7875	5.3375	0.709601874
1700013F07Rik	1.987	2.8005	0.709516158
Blvrb	2.7625	3.8935	0.70951586
Sec14l2	2.6915	3.7935	0.709503097
Lmbrd1	12.9305	18.225	0.709492455
Ppox	1.249	1.7605	0.70945754
5830433M19Rik	1.8365	2.589	0.709347238
Tmem33	7.3965	10.4275	0.709326301
Zfp397	3.428	4.833	0.709290296
Cd81	215.682	304.1305	0.709175831
BC003267	2.8395	4.004	0.709165834
Zfp382	10.054	14.18	0.709026798
Fbxl4	4.831	6.814	0.708981509
Fjx1	4.256	6.003	0.708978844
D6Wsu163e	10.3265	14.566	0.708945489
Pigg	1.683	2.374	0.708930076
Ddx20	2.373	3.3475	0.708887229
Erlin1	2.945	4.1545	0.7088699
Fbxl2	8.848	12.482	0.708860759
Larp4	9.278	13.09	0.708785332
Map3k4	9.457	13.3475	0.708522195
Clvs1	37.5995	53.078	0.708382004
Srsf3	57.944	81.7995	0.708366188
Raver1	20.235	28.566	0.708359588
Noslap	8.6275	12.18	0.708333333
Tmem44	1.6285	2.2995	0.708197434
Zfp60	10.1805	14.379	0.708011684
Agbl4	3.266	4.613	0.707999133
Hexim1	10.856	15.334	0.707969219
Gm10791	4.1185	5.8185	0.707828478
Adcyap1r1	35.94	50.777	0.707800776
Usp20	9.3975	13.2795	0.707669716
Alg6	1.202	1.699	0.707474985
Prok2	3.1595	4.466	0.707456337
Ano10	1.334	1.886	0.707317073
Zc3hc1	3.2395	4.58	0.70731441
Pak7	3.568	5.0445	0.707304986
Dcun1d4	70.5705	99.7815	0.707250342
Foxj3	30.8555	43.628	0.707240763
Vamp4	39.683	56.1155	0.707166469
Zfand5	20.5165	29.015	0.707099776
Hs2st1	11.1585	15.782	0.707039665
Lyst	1.9125	2.705	0.70702403
Grin11a	120.0485	169.8065	0.706972348
Sgsm3	5.5905	7.9085	0.706897642

Thoc2	2.45	3.466	0.706866705
Gria4	11.1395	15.759	0.706865918
Tlk1	13.3825	18.9335	0.706815961
Zfp689	3.8805	5.491	0.706701876
Agfg2	9.382	13.277	0.706635535
Slc25a44	14.795	20.94	0.706542502
Ap2a2	41.6355	58.929	0.70653668
Nipal2	2.023	2.8635	0.706478086
Acer3	2.701	3.8235	0.706420819
Ccdc47	27.0155	38.2445	0.706389154
Tnk2	14.27	20.2015	0.706383189
Myh14	1.18	1.6705	0.706375337
Dusp4	3.345	4.736	0.70629223
Cep290	3.2015	4.533	0.706265167
Brd2	28.2375	39.984	0.706219988
Lrpap1	21.9655	31.1295	0.705616859
Sfmbt1	8.404	11.911	0.705566283
Fam19a5	32.621	46.236	0.705532486
Sav1	2.453	3.4775	0.705391804
Upf3b	15.2805	21.6665	0.705259271
Mfap1b	19.207	27.234	0.705258133
Ptp4a1	27.467	38.953	0.705131826
Tob1	39.007	55.319	0.705128437
Parp1	8.8115	12.4965	0.705117433
Mgat5b	2.0735	2.941	0.705032302
Mtap6	15.475	21.9495	0.705027449
Tchp	2.9835	4.232	0.704985822
Wsb2	39.6165	56.2155	0.704725565
Ankrd6	10.168	14.4315	0.704569865
Tmem132e	1.45	2.058	0.704567541
Zfp61	4.7765	6.7795	0.704550483
Mbd2	13.661	19.397	0.704284168
Bag5	32.202	45.735	0.704099705
Nr4a1	4.0425	5.7415	0.704084299
Zfp467	8.7195	12.3845	0.704065566
Rprd1b	19.452	27.6305	0.704004633
1700008O03Rik	3.0605	4.3475	0.703967798
Bat1a	56.477	80.229	0.70394745
Nrip3	17.178	24.405	0.703872157
Csmd2	3.917	5.5655	0.703800198
Fig4	4.97	7.063	0.703666997
Lars	5.5315	7.861	0.703663656
Samd5	3.1435	4.4675	0.703637381
Pnma3	12.8795	18.311	0.70337502
Sphkap	9.671	13.7495	0.703371032
Cdk18	17.0925	24.3085	0.703149104
Casc3	17.057	24.262	0.70303355
Trabd	4.0985	5.8305	0.702941429
Glis2	2.061	2.932	0.702933151
Rpf2	7.8895	11.224	0.7029134
Rp2h	2.5905	3.687	0.702603743
6330416L07Rik	4.5625	6.494	0.702571605
Reep5	76.4035	108.7595	0.702499552
Oaz2-ps	80.933	115.209	0.702488521
Mphosph8	31.3685	44.655	0.70246333

9030418K01Rik	13.8775	19.7565	0.702427049
Gtf2ird2	2.4195	3.4445	0.702424154
Appbp2	12.223	17.4045	0.702289638
Iars2	3.4105	4.857	0.702182417
Ptpn9	7.997	11.389	0.702168759
Hnrnpu	36.2815	51.6765	0.702088957
Ufd1l	56.714	80.7925	0.701971099
Mgat5	8.87	12.6375	0.701879327
Slc7a14	26.6495	37.9715	0.701829003
Zfp791	1.48	2.109	0.701754386
Trpm3	7.095	10.1105	0.70174571
Rps6kb1	10.046	14.316	0.701732327
Adcy1	3.371	4.8045	0.701633885
Wscd1	16.5645	23.6085	0.701632886
Cldnd1	26.873	38.318	0.701315309
Syn3	15.896	22.6675	0.701268336
Gnai1	97.2455	138.6755	0.701244993
Aimp1	20.7465	29.601	0.700871592
Gemin6	2.086	2.9765	0.700823114
Zfp341	1.7065	2.435	0.700821355
Serpina1a	1.9155	2.7335	0.700749954
Ddx19b	3.6635	5.2285	0.700678971
Ube1y1	1.0255	1.4645	0.700238989
Grm3	5.05	7.213	0.700124775
Kif21b	9.181	13.114	0.700091505
Usp42	5.9175	8.453	0.70004732
Itfg2	11.9175	17.0255	0.699979443
Xkrx	1.3455	1.923	0.699687988
Fam86	2.3225	3.321	0.699337549
Ndrp4	437.036	624.939	0.699325854
Anub1	1.146	1.639	0.699206833
Med6	8.754	12.52	0.699201278
Ppp1r13b	15.1665	21.6915	0.699190927
Msi1	7.7415	11.074	0.699069893
Sdccag3	10.0755	14.4215	0.698644385
Ercc4	3.5845	5.1325	0.698392596
Naa15	9.743	13.954	0.698222732
G6pdx	25.4055	36.388	0.698183467
Gnptab	16.4185	23.5165	0.69816937
Gcc1	5.469	7.8355	0.697977155
A130022J15Rik	7.7495	11.1035	0.697933084
Camsap1l1	34.477	49.399	0.697929108
Arhgap1	28.9825	41.5325	0.697827003
Josd1	10.702	15.3365	0.697812408
Tspan5	18.9495	27.159	0.697724511
Ptpn3	1.545	2.2145	0.697674419
Xrcc3	28.1845	40.403	0.697584338
Fam164a	14.874	21.3235	0.697540272
Tex2	28.226	40.473	0.697403207
6330407J23Rik	35.329	50.6625	0.697340242
Pip5k1a	6.7085	9.628	0.696769838
Rgag4	11.997	17.223	0.696568542
Elovl6	18.509	26.5735	0.69652097
Jmjd4	3.5285	5.066	0.696506119
Nop56	115.0965	165.2525	0.696488707

Fnbp11	19.6425	28.2135	0.696209262
Aff4	42.786	61.458	0.696182759
Glud1	94.607	135.8995	0.696154143
Foxk2	14.605	20.984	0.696006481
Rapgef6	10.1605	14.5985	0.695996164
Slc35f1	15.21	21.858	0.695855065
Sorbs1	19.805	28.4645	0.695778953
Qars	4.9505	7.1155	0.695734664
Cndp2	5.638	8.107	0.695448378
Kifc2	26.477	38.0765	0.695363282
Fam57b	8.0995	11.6485	0.695325578
Erlec1	6.1525	8.854	0.694883668
Lphn3	17.371	25.003	0.694756629
Apc	22.212	31.9735	0.694700299
St8sia1	9.1755	13.209	0.694640018
Lrrc16b	3.7145	5.348	0.694558714
1600012F09Rik	8.956	12.8955	0.694505835
Lipt2	2.1195	3.052	0.694462647
Epha7	2.438	3.511	0.694389063
Sergef	3.936	5.6685	0.694363588
Fbxw8	3.4595	4.986	0.69384276
Spon1	8.5495	12.323	0.693783981
Tufm	10.3125	14.8665	0.693673696
AI597468	14.9215	21.513	0.693603867
Slc17a5	4.2995	6.199	0.69357961
Hmg111	2.149	3.0985	0.693561401
Lsamp	57.299	82.6215	0.693511979
Krit1	4.1235	5.947	0.693374811
Tmem98	5.465	7.8855	0.693044195
Riok2	8.048	11.615	0.692897116
Tsga14	2.1935	3.166	0.692830069
Anxa6	12.5225	18.0755	0.692788581
Tada1	9.425	13.6045	0.692785475
Gm10726	3.7275	5.3805	0.692779481
4933411K20Rik	13.066	18.8615	0.692733876
Rasgrp1	16.791	24.241	0.692669444
1300010F03Rik	4.0485	5.845	0.692643285
Ptprg	7.9975	11.5515	0.692334329
Slc25a27	13.921	20.1145	0.692087797
Tmem56	4.495	6.495	0.692070824
Kcnf1	2.001	2.892	0.691908714
Bmp2	1.5645	2.2615	0.69179748
Lactb	3.117	4.506	0.691744341
Tbc1d23	2.556	3.696	0.691558442
Dcun1d1	11.851	17.1385	0.691484086
9430038I01Rik	2.342	3.387	0.691467375
Prkcsh	9.5195	13.769	0.691371922
Ostf1	4.251	6.149	0.691331924
Sin3a	11.138	16.113	0.691243096
Snx12	85.059	123.0585	0.69120784
Ptgfrn	1.7895	2.589	0.691193511
Pias4	2.9175	4.221	0.691186923
Reep1	33.8785	49.023	0.691073578
Ash11	20.7345	30.0115	0.690885161
Elavl2	37.713	54.591	0.690828158

Pgm211	28.5575	41.347	0.690678888
Armc7	2.044	2.9595	0.690657206
Pctp	1.1875	1.7195	0.690607735
Apbb3	4.6585	6.746	0.690557367
Tpst1	7.9125	11.46	0.690445026
Tnrc6b	15.318	22.19	0.690310951
Fam55c	2.4295	3.5195	0.690296917
Eif4enif1	19.058	27.609	0.690282154
Prpsap1	12.516	18.1355	0.690138127
Gm4332	2.461	3.566	0.690128996
Papolg	6.068	8.7935	0.690055154
Mtap9	21.9435	31.8045	0.689949535
Igsf9b	2.7035	3.9185	0.689932372
Htatip2	3.5455	5.141	0.689651819
Lmbrd2	5.164	7.4885	0.689590706
Rgs16	7.866	11.407	0.689576576
Gm5141	1.167	1.6925	0.689512555
Dhx38	5.0455	7.318	0.689464335
Gck	1.81	2.6255	0.689392497
Vash2	2.599	3.77	0.68938992
Trim33	9.37	13.594	0.68927468
Papola	34.915	50.668	0.689093708
Cacng2	35.1325	50.987	0.689048189
Gm10045	2.7065	3.9285	0.688939799
Zfp239	8.8475	12.845	0.688789412
Mll5	40.3975	58.663	0.68863679
Pigk	11.974	17.3885	0.688616039
LOC100502698	10.5715	15.353	0.688562496
Ap3s2	19.19	27.8705	0.688541648
Otud4	3.946	5.731	0.688536032
Eri2	1.712	2.487	0.688379574
Srr	10.9455	15.901	0.688352934
Nsfl1c	88.342	128.3445	0.688319328
Zrsr2	11.937	17.3475	0.688110679
Gm2423	6.847	9.9525	0.687967847
Pabpc4	7.7695	11.2955	0.68784029
Zfand3	13.981	20.328	0.687770563
Fdft1	28.6775	41.7025	0.687668605
Fbxl18	2.7595	4.0145	0.687383236
Fam190a	1.9005	2.765	0.687341772
4930539E08Rik	5.4075	7.868	0.68727758
Tcof1	4.029	5.8625	0.687249467
Klhl2	8.6355	12.567	0.687156839
Casd1	11.634	16.9335	0.687040482
Lats2	2.4375	3.5485	0.686909962
Efnb1	1.097	1.5975	0.686697966
Apba3	1.225	1.784	0.686659193
Zfp438	2.955	4.304	0.686570632
Reck	1.0425	1.5185	0.686532763
Rad51c	1.44	2.0975	0.686531585
Gm12942	1.5135	2.205	0.686394558
Sema6d	20.2895	29.5665	0.68623273
Gabpb1	6.386	9.307	0.68615021
Nrbp2	33.052	48.1885	0.685889787
Trim9	26.3625	38.438	0.685844737

Asap2	8.2795	12.072	0.685843274
Rrm2b	8.4895	12.3805	0.68571544
Ube2v2	14.0745	20.532	0.685490941
Map3k10	5.6815	8.2885	0.685467817
Pla2g4e	7.686	11.2135	0.68542382
Ptpn2	2.3105	3.371	0.685404924
Atf7	2.815	4.1075	0.68533171
Arsb	12.235	17.8535	0.685299801
Ebna1bp2	18.396	26.849	0.685165183
Fign	6.372	9.3005	0.685124456
Wfdc12	5.7615	8.4105	0.685036561
Hectd3	9.4065	13.732	0.685005826
Me1	12.3815	18.077	0.684931128
Ngb	17.437	25.4675	0.684676549
Abcd4	2.2625	3.305	0.684568835
Bmpr1b	1.0095	1.475	0.68440678
Lysmd1	5.328	7.7865	0.684261221
C78339	1.442	2.1075	0.684223013
Pgam5	13.3045	19.4485	0.684088747
Mterfd3	2.7525	4.024	0.684020875
Grm4	1.031	1.5075	0.683913765
Mapk9	65.7735	96.1765	0.683883277
Ralgds	15.98	23.3675	0.683855783
Sestd1	3.989	5.8335	0.683809034
Ammecr11	4.0805	5.968	0.683729893
Slc44a5	1.768	2.586	0.683681361
Dusp23	1.288	1.884	0.683651805
Eif1a	25.9975	38.028	0.683641001
Hnrnpul1	56.7255	82.976	0.683637437
Zfr	62.0335	90.7415	0.68362877
Fkbp15	5.821	8.5165	0.683496742
Zfp37	17.763	25.99	0.683455175
Taf4a	4.8955	7.163	0.683442692
Cdadcl	23.403	34.245	0.683399036
Sema4f	9.4865	13.885	0.683219301
Ppm1a	37.497	54.8845	0.683198353
Grial	30.4215	44.537	0.683061275
Sema3c	2.1465	3.1425	0.683054893
Snrnp70	45.6845	66.8995	0.682882533
Hnrpll	11.2295	16.4445	0.682872693
Rasip1	1.8065	2.6465	0.68259966
Ubr2	9.4055	13.7855	0.682274854
Efr3b	20.935	30.694	0.682055125
Nup43	5.652	8.287	0.682032098
Ust	1.5725	2.306	0.681916739
5730601F06Rik	7.8505	11.5125	0.681910966
Dnajb4	30.793	45.161	0.681849383
Ccdc111	1.9565	2.8695	0.681826102
Hnrnpa2b1	52.607	77.1605	0.681786665
Mtus1	10.6815	15.667	0.681783366
Ksr2	36.6305	53.737	0.681662542
Mgat2	1.3775	2.0215	0.681424685
Gm9781	7.307	10.7255	0.6812736
Urb2	3.628	5.326	0.681186632
Mtdh	7.461	10.953	0.681183237



Rtp3	1.662	2.44	0.681147541
Prpf38b	17.26	25.349	0.68089471
Tpbg	2.014	2.958	0.68086545
Sap130	39.426	57.91	0.680815058
Bri3bp	12.344	18.1315	0.680804125
Cwf1911	3.7215	5.4685	0.680533967
Ssbp3	35.346	51.969	0.680136235
Stac2	11.8505	17.425	0.680086083
Fbxo27	4.4155	6.493	0.680040043
Dhx33	2.326	3.4205	0.680017541
Pcdh7	19.414	28.55	0.68
Gabrb1	18.82	27.6765	0.679999277
Abcg2	1.0365	1.5245	0.679895048
Susd4	20.855	30.674	0.679891765
Dusp22	12.8805	18.949	0.679745633
Ncoa1	22.0955	32.516	0.679527002
Osbp15	1.9465	2.865	0.679406632
Syt16	8.95	13.1735	0.679394238
Rap2a	55.399	81.542	0.679392215
4632411B12Rik	14.629	21.5335	0.679360067
Rufy2	4.254	6.263	0.679227207
Pgpep1	4.059	5.976	0.679216867
Amot	1.2065	1.7765	0.679144385
Ss18	3.352	4.936	0.679092382
Man1c1	7.1935	10.5935	0.679048473
Mut	5.547	8.1695	0.678988922
Mecr	1.919	2.8265	0.678931541
Calcr	7.583	11.17	0.678871979
Giyd2	8.025	11.8225	0.678790442
Necab1	9.6025	14.1475	0.678741827
Celf1	20.301	29.911	0.678713517
Csgalnact1	1.5755	2.3215	0.678656041
Rpa2	3.535	5.209	0.678633135
Zcchc8	2.946	4.3415	0.678567315
Inpp4b	2.5275	3.725	0.67852349
Pak3	37.708	55.58	0.678445484
Sys1	4.2815	6.3115	0.678364889
Thop1	4.1745	6.154	0.678339292
Pabpc1	62.311	91.8615	0.678314637
Hint3	12.6705	18.6825	0.678201525
Trappc5	13.141	19.3765	0.678192656
Sycp3	1.7965	2.649	0.678180445
Net1	2.262	3.3355	0.678159197
LOC100503228	1.6585	2.446	0.678045789
Gtf2e2	7.016	10.3475	0.678038173
Vapb	18.037	26.607	0.677904311
Nrip2	18.4635	27.2365	0.677895471
Bahcc1	2.4885	3.671	0.677880686
Zfp810	2.407	3.551	0.677837229
Zfp287	4.459	6.5785	0.677814091
Rala	16.1615	23.8465	0.677730485
Fam53c	16.7125	24.664	0.677607039
181003007Rik	19.549	28.8515	0.67757309
Asxl3	2.0205	2.982	0.677565392
Zkscan2	4.2735	6.3105	0.677204659

Epc2	10.861	16.039	0.677161918
Cpt2	2.2685	3.351	0.676962101
Lrch2	3.513	5.1895	0.676943829
BC031353	5.048	7.458	0.676857066
AU022252	2.817	4.162	0.676838059
Xrn2	8.886	13.132	0.676667682
Camk2n1	136.034	201.0665	0.676562232
BC024978	8.377	12.383	0.676491965
Tmem181a	7.4635	11.0345	0.676378631
D3Ert254e	7.557	11.175	0.676241611
Xab2	6.8715	10.163	0.676129096
Peli1	12.119	17.9245	0.676113699
Mbd1	4.925	7.286	0.675953884
BC016423	3.396	5.0245	0.675888148
Zfp646	1.429	2.1155	0.675490428
Pcm1	13.839	20.4905	0.675386155
Lin52	5.635	8.3445	0.675295105
Usp25	6.3815	9.451	0.675219553
Soat1	3.0765	4.558	0.674967091
Pdcl3	10.4215	15.441	0.674923904
Dcp1b	3.797	5.626	0.67490224
Cln3	19.17	28.4145	0.674655546
Rbm2	7.064	10.4795	0.674077962
Map2k5	4.012	5.952	0.67405914
Ccdc84	1.2045	1.787	0.674034695
Kif26b	1.205	1.788	0.67393736
Zfp365	35.8515	53.204	0.673849711
Gnl3l	98.7965	146.6235	0.673810815
Chek2	1.769	2.6255	0.673776424
Cdh10	4.688	6.958	0.673756827
Fndc3a	18.27	27.117	0.673747096
Rnf180	3.784	5.6165	0.673729191
Tapt1	7.0435	10.456	0.673632364
Grin2a	3.8855	5.768	0.673630374
Apaf1	1.2125	1.8005	0.673424049
Rnf213	1.7345	2.576	0.673330745
Efna2	1.086	1.613	0.673279603
Slc13a5	1.0715	1.5915	0.673264216
Suv39h1	5.6615	8.4095	0.673226708
Plekhb2	62.2325	92.4485	0.673158569
Psmg3	4.1965	6.235	0.673055333
Rpl3	317.1585	471.2235	0.673053233
Rg9mtd3	10.0425	14.9235	0.672931953
Ccdc6	19.816	29.4485	0.672903543
Tubb6	3.6935	5.491	0.672646148
Edil3	12.382	18.41	0.672569256
Tiam1	7.567	11.2535	0.672413027
2610008E11Rik	2.47	3.6735	0.672383286
Sike1	10.585	15.7435	0.672340966
Srpk2	20.8675	31.042	0.672234392
Agl	3.9825	5.925	0.672151899
Ippk	4.293	6.387	0.672146548
3110052M02Rik	3.5805	5.327	0.672141919
2210009G21Rik	2.3405	3.483	0.67197818
1810026J23Rik	15.8365	23.567	0.671977766

Slc25a12	121.9535	181.512	0.671875689
Cap1	42.2505	62.899	0.671719741
Acvr2a	4.2315	6.301	0.67156007
Fntb	9.277	13.8185	0.671346383
Abi1	21.4545	31.9625	0.671239734
Nudt4	17.2235	25.66	0.671219797
Frmd8	3.447	5.138	0.670883612
Vwa5a	2.3125	3.447	0.670873223
Cercam	3.233	4.8195	0.670816475
Supt5h	23.457	34.9715	0.670746179
St6galnac5	9.688	14.4525	0.670333852
Zfp811	4.3655	6.513	0.670274835
Ctps2	13.6725	20.4	0.670220588
Gapvd1	12.4655	18.6015	0.670134129
Zfp410	4.1595	6.208	0.670022552
Ddx52	4.8965	7.3085	0.669973319
Fam33a	2.8035	4.185	0.669892473
Ncoa7	9.731	14.53	0.669717825
Gm10002	1.402	2.0935	0.669691904
Dlc1	10.4765	15.6455	0.669617462
Kcnc2	8.8085	13.1565	0.669516969
Sema5a	6.902	10.309	0.669512077
Eif2s1	8.929	13.34	0.66934033
Mast4	13.0875	19.5535	0.669317513
Bat3	32.7015	48.8615	0.669269261
Osgep	4.7265	7.0625	0.669238938
Frmd3	3.7405	5.5915	0.668961817
Gjd2	1.87	2.7955	0.668932212
Mlh3	10.0545	15.032	0.668873071
Slc20a1	10.373	15.516	0.668535705
Lig3	2.6145	3.913	0.668157424
LOC100504120	6.9795	10.447	0.668086532
Ccdc17	1.6765	2.51	0.667928287
Zfp804b	2.2405	3.3545	0.667908779
Glod4	23.7435	35.557	0.66775881
Gm5165	2.7325	4.093	0.667603225
Dtymk	16.721	25.0475	0.667571614
Ccdc34	7.668	11.4875	0.667508161
Zfp28	2.1575	3.233	0.667336839
Mga	5.127	7.6835	0.667274029
Pdxdc1	17.5525	26.3055	0.667255897
Utp23	6.8	10.194	0.667059054
Elfn1	24.489	36.7245	0.666830045
Nosip	8.2335	12.3495	0.666707154
Zfp87	6.07	9.106	0.666593455
Unkl	10.482	15.725	0.666581876
Slc25a1	21.635	32.462	0.666471567
St6galnac4	1.3175	1.977	0.666413758
Orc3l	11.143	16.721	0.666407512
Gm8618	6.745	10.1215	0.666403201
Tmem106b	14.6435	21.974	0.666401201
Zmym5	7.425	11.1455	0.666188148
Pnpla2	8.274	12.421	0.666129941
Gabrg1	6.861	10.3025	0.665954865
1110031102Rik	2.089	3.137	0.665922856

Rb1cc1	10.7195	16.099	0.66584881
9030624J02Rik	15.298	22.9845	0.665578977
Bcl9l	10.0015	15.029	0.665480072
Dfna5	7.895	11.8645	0.665430486
Nt5m	23.7395	35.6795	0.665354055
Dync1i2	39.971	60.0885	0.66520216
Cul4a	20.089	30.2015	0.665165637
Rpusd2	2.3115	3.4755	0.665084161
Trim37	33.738	50.736	0.664971618
Kbtbd7	5.5015	8.2755	0.664793668
Npbwr1	2.9855	4.4915	0.664699989
Cwf19l2	3.6425	5.48	0.664689781
Suv420h1	8.822	13.2745	0.66458247
Srsf10	25.364	38.166	0.66457056
9830001H06Rik	11.07	16.663	0.664346156
Ints4	9.6645	14.5475	0.664340952
Cnot10	6.9285	10.4295	0.664317561
Cbr3	1.209	1.82	0.664285714
Lztf1l	9.6285	14.4965	0.664194806
Tm9sf3	9.082	13.674	0.664180196
Dhx30	9.4185	14.1815	0.664139901
Gm10786	5.2895	7.965	0.664092906
Sidt1	4.0945	6.166	0.664044762
Zfp647	1.5415	2.3215	0.664010338
Rufy3	103.7635	156.2895	0.663918561
2400003C14Rik	13.546	20.4045	0.663873165
AI597479	12.766	19.2305	0.663841294
Ablim1	8.584	12.932	0.663779771
Asap1	19.291	29.0635	0.663753505
Rbbp6	35.5255	53.532	0.663631099
Coro2b	29.5835	44.5805	0.663597313
Bcl10	6.828	10.2895	0.663589096
LOC100504277	9.876	14.8925	0.663152594
Fam189b	2.9015	4.3755	0.663124214
As3mt	9.648	14.5495	0.663115571
Zic4	4.111	6.2015	0.662904136
Adarb1	21.4995	32.4325	0.662899869
Dclk1	73.6755	111.147	0.662865394
Hnrnpf	23.755	35.8445	0.662723709
Brpf3	5.531	8.3475	0.662593591
Gsk3b	118.6135	179.022	0.662563819
Slc18a2	1.8555	2.8005	0.662560257
Mtcp1	4.551	6.8695	0.662493631
Mapk10	86.6125	130.743	0.662463765
Flot1	30.7535	46.4235	0.662455437
D14Abbl1e	5.206	7.8595	0.662383103
Eif2ak3	1.388	2.0955	0.662371749
Dnm1l	51.958	78.4515	0.662294539
Spns2	9.191	13.886	0.661889673
Gm6570	1.1285	1.705	0.661876833
Dusp12	4.3405	6.558	0.661863373
Sgms2	1.7455	2.6375	0.661800948
Sf3a1	12.4375	18.7955	0.661727541
Usp27x	12.625	19.08	0.661687631
Dars2	2.3735	3.588	0.661510591

Dact1	2.5045	3.7865	0.66142876
Oma1	4.0565	6.134	0.661313988
Cyth3	5.1975	7.861	0.661175423
Luc7l3	46.4945	70.3515	0.660888538
Zfp418	2.995	4.532	0.660856134
Htr2a	2.7605	4.1805	0.660327712
Apool	1.4225	2.1545	0.660245997
Mical2	10.0665	15.247	0.660228242
Rnaseh1	3.0815	4.6675	0.660203535
Vat1l	77.743	117.778	0.66008083
Ext1	6.8845	10.4305	0.660035473
Otud5	14.8165	22.456	0.659801389
Slc25a36	6.7105	10.1725	0.659670681
Wfs1	15.1025	22.8975	0.659569822
Stk32b	7.925	12.0165	0.659509841
Aftph	19.9925	30.321	0.659361499
Fez2	13.4275	20.3645	0.659358197
Tspyl4	134.384	203.856	0.659210423
Ctdspl2	5.554	8.4255	0.659189366
Pias1	28.829	43.7375	0.659136896
Zbed3	7.07	10.7315	0.658808182
Secisbp21	16.9295	25.703	0.658658522
Pid1	9.4595	14.362	0.658647821
Zmat3	63.1955	95.949	0.658636359
Hdlbp	36.075	54.7905	0.658417061
Pat1	11.0665	16.8085	0.658387126
Rabgap1	24.5375	37.27	0.658371344
Gm12966	1.534	2.331	0.658086658
Rpgr	3.582	5.4435	0.658032516
Cggbp1	9.8275	14.936	0.657974022
Col4a3bp	12.3145	18.7215	0.657773149
Ino80c	9.9075	15.063	0.657737502
Sirt3	14.229	21.6345	0.657699508
B630005N14Rik	10.07	15.3125	0.657632653
Ttc9	8.1885	12.4515	0.657631611
Gpr137c	7.404	11.2595	0.657578045
Nup153	5.3835	8.188	0.657486566
Stam2	5.7505	8.7465	0.657462985
Gsg1l	5.0005	7.6065	0.657398278
9130404D08Rik	5.8915	8.962	0.657386744
Smarca1	7.713	11.7355	0.65723659
Zfp748	2.0935	3.186	0.657093534
Zfp788	9.9335	15.118	0.657064427
Nelf	15.7845	24.025	0.657003122
Glmn	2.4125	3.672	0.656998911
H2-gs10	6.5875	10.028	0.65691065
St3gal1	4.7355	7.2115	0.656659502
Bub3	54.825	83.5205	0.656425668
4921513I03Rik	1.6845	2.5665	0.656341321
Gm14391	15.4625	23.5605	0.656289128
Gm263	1.7795	2.7115	0.656278812
Bat5	7.679	11.7035	0.656128509
Lrrtm2	15.278	23.2865	0.656088291
Mtmr3	7.4475	11.353	0.65599401
Senp5	7.6775	11.706	0.655860243

Cisd2	15.1825	23.155	0.655689916
Calu	5.0335	7.6775	0.655617063
Cpeb1	12.77	19.4785	0.65559463
Tdp1	2.4975	3.8105	0.655425797
Nrd1	24.1335	36.824	0.655374212
Shc1	1.3635	2.0805	0.655371305
Dtx2	1.6295	2.4865	0.65533883
4930471M23Rik	1.4805	2.2595	0.655233459
Sec61a2	8.758	13.3665	0.65522014
Pnp	4.1725	6.3705	0.654972137
Spen	10.1015	15.426	0.654835991
Xpot	13.765	21.0265	0.654650084
Dip2a	7.5525	11.539	0.654519456
Ppwd1	1.1915	1.8205	0.654490525
Ppp2r2c	67.8725	103.7565	0.654151788
Letmd1	9.6675	14.78	0.654093369
Zfp160	1.274	1.9485	0.653836284
Zfp758	3.066	4.691	0.653591985
Mpp2	30.7485	47.048	0.653555943
Rbm45	5.0975	7.8005	0.653483751
Pld5	6.7525	10.336	0.653299149
Best1	1.692	2.59	0.653281853
Naa50	13.8245	21.163	0.653239144
Enah	37.9575	58.107	0.65323455
Ewsr1	37.9485	58.103	0.653124624
2610301B20Rik	10.547	16.1525	0.652963937
Dgat2	6.3	9.6485	0.652951236
Gtpbp8	6.0625	9.286	0.652864527
Depdc5	5.286	8.0975	0.652794072
Osbpl8	9.4895	14.539	0.652692757
Kctd18	7.002	10.7285	0.652654146
Fah	3.648	5.5895	0.652652294
Fibp	36.159	55.4385	0.652236262
Foxk1	10.1535	15.571	0.65207758
Rab22a	17.9655	27.5535	0.652022429
Rsb1l1	4.438	6.8075	0.651928021
Wibg	4.644	7.127	0.651606567
Zfp207	56.5565	86.801	0.651565074
Dstyk	6.7985	10.4365	0.651415704
Acs1l	13.2535	20.3475	0.651357661
Crkl	15.6565	24.0375	0.651336453
Pcmt1	7.4895	11.5	0.65126087
Zc3h14	9.866	15.15	0.651221122
Ndst4	8.196	12.586	0.651199746
Rilpl1	8.4745	13.0155	0.651108294
Armc2	1.3315	2.0455	0.65094109
1810055G02Rik	7.959	12.2275	0.650909834
Wdr8	3.2335	4.968	0.650865539
Fgd4	3.2655	5.0175	0.650822123
Ambra1	10.777	16.5605	0.650765375
St6gal2	2.1075	3.239	0.650663785
Snx32	22.381	34.4045	0.650525367
Nr4a2	6.0315	9.2725	0.650471825
Psmc3	26.507	40.7535	0.650422663
Add1	43.598	67.0515	0.650216625

Zbtb40	1.0335	1.5895	0.650204467
Hnrnp	27.662	42.5525	0.650067564
Trmt2b	5.323	8.1885	0.650058008
Slc4a7	1.0305	1.5855	0.649952696
Btrc	18.634	28.67	0.649947681
Zscan12	3.842	5.9115	0.649919648
Bsn	10.6115	16.334	0.649657157
Mapk4	7.912	12.181	0.649536163
9430016H08Rik	5.993	9.227	0.649506882
Pde4b	53.855	82.926	0.649434436
Cpd	3.0935	4.7635	0.649417445
Scarb1	2.2115	3.4055	0.649390692
St7l	3.59	5.5285	0.649362395
Dullard	18.9755	29.2225	0.649345539
Cbr4	7.8895	12.151	0.649288124
B4galt2	7.591	11.6915	0.649275114
2010300C02Rik	3.003	4.6255	0.649227111
Atad3a	4.4105	6.7935	0.649223522
Rbm10	9.1825	14.151	0.648894071
Timm44	8.2825	12.766	0.648793671
2410131K14Rik	2.4245	3.737	0.648782446
Grn	7.232	11.1495	0.648638952
Kpna4	16.971	26.166	0.648589773
Wdr20a	4.241	6.5395	0.648520529
Neto2	6.832	10.5355	0.648474206
Armex3	10.711	16.5185	0.648424494
Mknk1	3.116	4.8065	0.648288776
Ank	18.0565	27.8565	0.64819701
Ccl9	1.11	1.7125	0.648175182
Rnf32	1.9805	3.057	0.647857377
Cdyl2	1.6735	2.5835	0.64776466
Trip4	5.181	8.0005	0.647584526
Fip111	26.288	40.603	0.647439844
Gm5921	1.0265	1.5855	0.647429833
Fam160b1	4.0375	6.237	0.647346481
Med12l	6.1345	9.4765	0.647338152
Ogfod2	5.179	8.0005	0.647334542
Trim35	25.2965	39.078	0.647333538
Akt2	6.3085	9.746	0.647291196
Lhfpl4	41.061	63.439	0.647251691
4930402E16Rik	3.3565	5.186	0.647223293
Cadm3	53.5945	82.8295	0.64704604
Srd5a1	2.5815	3.9905	0.646911415
BC002230	1.043	1.6125	0.646821705
Ibtk	2.9025	4.489	0.64658053
Extl3	12.2335	18.927	0.646351773
Adck2	1.6975	2.6265	0.646297354
Atp2b3	28.9765	44.8455	0.646140638
Nfrkb	3.562	5.513	0.646109196
Camsap1	17.357	26.8755	0.645829845
Prickle2	10.8355	16.778	0.645815949
Mpv17l	9.8015	15.1785	0.645748921
3632451O06Rik	2.17	3.3605	0.645737241
Zmat1	6.0305	9.339	0.645732948
Dgkz	5.897	9.1345	0.64557447

Stradb	9.687	15.007	0.645498767
Ece1	16.891	26.172	0.64538438
Acadl	5.6375	8.737	0.645244363
Fam3a	2.948	4.569	0.645217772
Lrrfip1	10.8685	16.8465	0.645148844
Ppil2	14.0765	21.82	0.645119157
Dok6	2.1695	3.363	0.645108534
Ggnbp2	24.741	38.3555	0.645044387
Usp1	1.786	2.769	0.644998194
Nucb1	9.613	14.9055	0.644929724
Eif2s3x	42.8235	66.407	0.644864246
1300018J18Rik	1.517	2.3525	0.644845909
Elavl3	66.2705	102.791	0.644711113
Zfp275	10.3245	16.0165	0.644616489
Ifngr1	1.7725	2.75	0.644545455
Magi2	19.061	29.5765	0.644464355
2510002D24Rik	7.6085	11.8065	0.644433151
Syt7	14.161	21.975	0.644414107
Psmc3ip	3.4145	5.299	0.644366862
Kdm5a	5.2665	8.1735	0.644338411
Bud13	3.628	5.631	0.644290535
Atg3	13.103	20.3405	0.644182788
Cd3eap	6.6505	10.324	0.644178613
Ubqln4	16.521	25.6505	0.644081012
Six3	19.5	30.276	0.644074514
Rlim	18.4185	28.61	0.643778399
Zfp703	4.59	7.13	0.643758766
P2rx3	3.8135	5.9245	0.643683011
Eme2	3.4785	5.405	0.643570768
2610002J02Rik	14.925	23.1915	0.643554751
Ankle1	1.708	2.655	0.643314501
Plcl1	4.8065	7.4725	0.643225159
Pvr12	1.991	3.0955	0.64319173
Gtf3c2	8.2945	12.896	0.643183933
4933403O08Rik	1.161	1.8055	0.64303517
Pole4	3.783	5.8835	0.642984618
Ap3m2	49.4985	76.983	0.642979619
Prpf40a	5.694	8.857	0.642881337
Npc2	6.199	9.6445	0.642749754
Lin7c	21.4065	33.306	0.642722032
C330006A16Rik	26.2825	40.9215	0.64226629
LOC100504537	35.948	55.9785	0.642175121
Ppapdc1b	5.404	8.419	0.641881459
Klf12	14.3575	22.378	0.641589954
Mllt10	10.7185	16.7125	0.641346298
Dhcr7	4.9265	7.6825	0.64126261
Erp29	36.7455	57.305	0.641226769
Lancl3	3.502	5.4625	0.641098398
LOC100504665	200.955	313.4705	0.641065108
Arih1	10.756	16.7855	0.640791159
1700020O03Rik	6.2635	9.7755	0.640734489
Gfra2	31.337	48.928	0.640471714
Fam81a	7.335	11.4535	0.640415593
Rab7	1406.1295	2195.919	0.640337599
Zranb1	5.231	8.1715	0.640151747



Kcnc1	26.2075	40.954	0.639925282
Irf1	5.231	8.176	0.639799413
Arhgef18	4.553	7.1165	0.639780791
B3galt5	4.195	6.5595	0.639530452
Nphp1	3.806	5.9525	0.639395212
Npl	3.7615	5.886	0.639058784
Sh3yl1	5.4235	8.487	0.639036173
AW555464	41.8295	65.4645	0.63896463
Fam63a	2.439	3.818	0.638816134
Aatk	11.3585	17.782	0.638763919
Snx11	3.073	4.8115	0.638678167
Tacr3	2.111	3.3065	0.638439437
Steap2	2.4735	3.875	0.638322581
Fam168b	46.116	72.2495	0.638288154
Cdyl	1.8705	2.9305	0.638286982
Zfp317	3.0145	4.724	0.638124471
Gm4889	1.7295	2.7105	0.638074156
Ate1	21.2605	33.32	0.638070228
Cacna1c	5.1645	8.094	0.638065234
Arfgap3	3.2805	5.1415	0.638043373
Cep63	6.549	10.265	0.637993181
Epb4.115	1.926	3.019	0.637959589
Rnf130	13.244	20.7625	0.637880795
Sik3	40.574	63.6095	0.637860697
Pten	14.48	22.701	0.637857363
Lrp1b	1.892	2.9675	0.637573715
Heatr7a	5.2245	8.197	0.63736733
Sco1	2.4045	3.7735	0.637206837
Sumf1	6.3575	9.978	0.637151734
Ell	5.266	8.266	0.637067505
C030046I01Rik	50.388	79.096	0.63704865
B020018G12Rik	3.276	5.144	0.636858476
Terf2ip	27.1225	42.6045	0.636611156
Tmem132c	1.002	1.5745	0.636392506
Rin2	2.87	4.5115	0.636152056
Stip1	88.1825	138.6335	0.636083631
Fam48a	8.933	14.045	0.636027056
Ctnnbip1	9.021	14.1835	0.636020728
Oxnad1	5.8125	9.139	0.636010504
Ctsa	8.311	13.069	0.635932359
Asph	14.4475	22.719	0.635921475
Cox4nb	19.862	31.2405	0.635777276
Aifm3	3.6345	5.719	0.635513202
Plxna4	11.381	17.9095	0.635472794
Anxa7	8.256	12.9925	0.635443525
Usp13	6.0655	9.5475	0.635297198
Pex19	11.1415	17.539	0.635241462
Scly	3.9165	6.1655	0.635228286
Noc3l	3.585	5.644	0.63518781
Mex3c	3.314	5.2185	0.635048386
Mgat3	9.954	15.676	0.634983414
Fbxw7	27.693	43.628	0.634752911
Rbm9	41.8305	65.903	0.634728313
Nlk	45.402	71.539	0.634646836
Zfp677	1.147	1.8075	0.634578147

1700030K09Rik	1.842	2.903	0.634516018
Rgnef	2.986	4.7065	0.63444173
Cnot4	21.651	34.127	0.634424356
Man1a	2.1595	3.404	0.634400705
Fam155a	39.8645	62.8385	0.634396111
Zmym6	4.0145	6.3285	0.634352532
Prrt3	2.699	4.255	0.634312573
Sbno1	11.7495	18.5285	0.634131203
Orai3	4.418	6.968	0.634041332
Glb1	4.126	6.5095	0.633842845
Tmem169	1.3795	2.1765	0.633815759
Map2k7	37.9415	59.869	0.633742003
Aph1b	1.297	2.047	0.633610161
Cabp1	4.0995	6.4725	0.633371958
Runx1t1	16.336	25.797	0.633251929
Lman2	10.637	16.803	0.633041719
Tnik	20.8815	32.988	0.63300291
Nr1d2	9.702	15.3305	0.632856071
Aldh3a2	16.38	25.8915	0.632640056
Abr	90.307	142.7655	0.632554784
Lrrn1	14.431	22.8195	0.63239773
Acaca	5.507	8.7095	0.632298065
Huwe1	30.48	48.2095	0.632240534
Mras	25.1785	39.831	0.632133263
6430548M08Rik	27.714	43.8425	0.632126361
Zfp174	1.44	2.2785	0.631994733
Fbxo22	53.198	84.177	0.631977856
Slc41a3	3.0335	4.8005	0.631913342
Sdk2	2.055	3.2535	0.631627478
Fem1a	4.0405	6.3985	0.631476127
Uevld	4.937	7.8185	0.631451046
Zbtb38	19.299	30.566	0.631387817
Gmfb	12.558	19.891	0.631340807
Aph1c	2.0855	3.304	0.6312046
Fubp3	8.417	13.336	0.63114877
Nsd1	17.1325	27.152	0.630984826
Unc50	16.809	26.6395	0.630980311
Dmd	6.7755	10.74	0.630865922
Ttc17	5.7595	9.1305	0.630797875
Socs5	22.854	36.231	0.630785791
Mgat4a	6.008	9.526	0.63069494
1300003B13Rik	2.206	3.4985	0.630555953
Tmpo	6.8585	10.877	0.630550703
Ptp4a2	49.985	79.2825	0.630467001
Rangap1	62.182	98.629	0.630463657
Eif2b1	11.145	17.6775	0.630462452
Lrrc8a	29.1445	46.23	0.630423967
AW554918	4.075	6.4645	0.630365844
Vamp1	68.196	108.246	0.630009423
Pik3ca	8.7245	13.849	0.629973283
Golga5	5.6855	9.0255	0.6299374
Usf2	11.087	17.6005	0.629925286
Zfp92	8.2355	13.074	0.629914334
Cbln4	8.3255	13.217	0.629908451
Tox4	16.966	26.9425	0.629711422

Grfl1	51.0965	81.145	0.629693758
Cbx6	15.8835	25.23	0.629548157
Mavs	5.1465	8.175	0.629541284
Cdh4	5.396	8.5715	0.629528087
Jun	9.3195	14.8045	0.629504543
Exoc6	4.2245	6.711	0.629488899
Srek1ip1	16.666	26.476	0.629475752
Fam160a2	5.4415	8.65	0.629075145
Cpeb3	29.0525	46.195	0.628910055
Cul4b	5.8155	9.249	0.628770678
Abhd2	4.7955	7.627	0.628753114
Atf1	11.42	18.1655	0.628664226
Xrcc5	8.3665	13.318	0.628209941
Trpc5	24.037	38.275	0.628007838
Apba1	30.939	49.2765	0.62786521
Nucks1	32.145	51.209	0.62772169
Tmem201	7.6225	12.1435	0.627702063
Vstm2a	47.782	76.1305	0.627632815
Rab9b	33.7135	53.719	0.627589866
Arhgef10l	2.187	3.4855	0.627456606
Zdhhc4	3.8995	6.215	0.627433628
Grk1	1.831	2.9185	0.627377077
Pitpnb	21.7295	34.638	0.627331255
Gpr26	1.1985	1.9105	0.62732269
Tcea2	6.924	11.038	0.627287552
Pmm2	1.926	3.0705	0.627259404
Ankrd16	2.4525	3.91	0.627237852
Tmem150c	16.415	26.1705	0.627232953
Ppm1d	6.636	10.58	0.627221172
Herc4	1.3365	2.1315	0.627023223
Stat1	25.682	40.967	0.626894818
Rdx	11.3605	18.122	0.626889968
2510003E04Rik	40.498	64.615	0.626758493
Alkbh5	8.3045	13.2515	0.626683772
Hiat1	14.2305	22.709	0.626645823
Igf1r	4.1965	6.697	0.626623861
Ttc5	10.738	17.1365	0.626615703
Cog6	8.375	13.367	0.626542979
Neur11B	1.447	2.3095	0.626542542
9530077C05Rik	5.585	8.9145	0.626507376
1810074P20Rik	4.526	7.2245	0.626479341
Cish	1.403	2.2395	0.626479125
Tax1bp3	1.257	2.007	0.626307922
Adi1	49.831	79.564	0.62630084
Arl6	17.469	27.8935	0.626274939
Zfp354c	5.932	9.4735	0.626167731
Pdhx	12.223	19.5225	0.626098092
Plxnb2	2.9895	4.776	0.625942211
Itpr1	5.9965	9.58	0.625939457
BC022960	1.4385	2.2985	0.625842941
Ebag9	20.8735	33.353	0.625835757
Rapgef3	1.972	3.151	0.625833069
Rfx3	6.063	9.688	0.625825764
Rngtt	7.218	11.538	0.625585023
Sfrp2	2.6495	4.236	0.625472144

Frmpd1	2.292	3.666	0.625204583
Dnajc21	20.6225	32.9865	0.625179998
Brcc3	12.364	19.7795	0.625091635
Ppp1r14c	5.789	9.2615	0.625060735
Selenbp1	1.419	2.2705	0.624972473
Ablim2	25.0675	40.1105	0.624961045
Mdm1	1.9495	3.1195	0.624939894
Cyp51	8.6895	13.9065	0.624851688
Clec2g	1.84	2.945	0.624787776
9130011E15Rik	3.3855	5.419	0.624746263
Ncan	13.5405	21.679	0.624590618
Rbms2	1.9935	3.192	0.624530075
Ier5	2.9765	4.766	0.624527906
Clgn	1.764	2.825	0.624424779
Bag4	7.1395	11.4375	0.624218579
Ilvbl	1.931	3.0935	0.624212058
Aagab	8.8985	14.2585	0.62408388
BC024479	2.631	4.216	0.624051233
Sephs1	2.932	4.6985	0.624028945
Arhgef17	10.9555	17.5575	0.623978357
Rai1	9.8745	15.829	0.623823362
Ncor1	21.447	34.388	0.623676864
Mecp2	28.381	45.5075	0.623655441
Cyb5d2	5.906	9.47	0.623653643
LOC100504348	5.255	8.4275	0.623553842
Gabrb2	21.292	34.1525	0.623438987
Btbd3	33.699	54.059	0.623374461
Smcr8	10.0825	16.1785	0.623203634
Rybp	11.3075	18.145	0.623174428
Stag1	5.2885	8.487	0.623129492
Irak1bp1	20.5075	32.915	0.623044205
Mynn	4.93	7.913	0.623025401
Snaip	1.8905	3.0345	0.623002142
Slc16a10	14.7445	23.6685	0.622958785
Fam161b	4.1545	6.67	0.622863568
Mzt1	22.735	36.5075	0.62274875
Ap1s3	3.089	4.9605	0.622719484
Pla2g2d	1.5365	2.4675	0.622695035
Manea	3.736	6.001	0.622562906
Zmat4	11.273	18.108	0.622542523
Ccl25	1.6715	2.685	0.622532588
Nhs12	9.5995	15.426	0.62229353
Pkn1	2.3045	3.7045	0.622081253
Slc36a1	7.612	12.2385	0.621971647
Gtpbp10	2.2965	3.6925	0.621936357
Hsd17b13	1.098	1.7655	0.621920136
Rnf113a2	11.493	18.4825	0.621831462
Ppp1r9b	21.719	34.942	0.621572892
Tmco6	2.192	3.5275	0.62140326
Prkci	19.842	31.931	0.621402399
Pou2f2	10.6235	17.0965	0.621384494
Rmnd1	8.903	14.3285	0.62134906
Iars	24.7455	39.8255	0.621348131
Cckar	4.941	7.955	0.621118793
Hdgfrp3	25.306	40.747	0.621051857

LOC100504416	12.693	20.438	0.621049026
Wdr19	2.448	3.9425	0.620925808
Zfp592	5.6285	9.067	0.620767619
2700078K21Rik	4.9325	7.947	0.620674468
Max	112.9035	181.9545	0.620504027
Tnip1	4.265	6.8735	0.620499018
Egr3	2.237	3.606	0.620354964
Cacnb4	19.419	31.309	0.620236993
2310044G17Rik	25.8235	41.6505	0.620004562
Plk3	5.479	8.841	0.619726275
Arcn1	23.677	38.212	0.619622108
Aebp2	15.461	24.955	0.619555199
Cdk2ap1	35.8595	57.892	0.619420645
Usp11	9.9895	16.129	0.619350239
Sh3bp5	10.9995	17.761	0.619306345
Cacng7	100.879	162.9835	0.618952225
Ormdl3	9.1035	14.7095	0.618885754
Rad52	8.518	13.7655	0.61879336
Tpmt	3.221	5.2055	0.61876861
Pcnx	8.205	13.261	0.618731619
Gfpt1	19.5205	31.559	0.618539878
Xpr1	38.002	61.444	0.61848187
Ppp2r5a	5.01	8.102	0.618365836
Gm15453	1.112	1.799	0.618121178
Zfp608	7.7605	12.557	0.61802182
Ireb2	3.9315	6.362	0.617966048
Sirpa	32.7765	53.045	0.617899896
Rasa1	5.2335	8.4705	0.617850186
Chml	1.8075	2.926	0.617737526
Fubp1	9.47	15.331	0.617702694
Dcc	3.245	5.254	0.617624667
1700009P17Rik	1.453	2.3535	0.617378373
Fbxw11	25.4605	41.24	0.617373909
Zfp711	1.6505	2.6735	0.617355526
Ube2h	17.1655	27.8065	0.617319691
Sos2	17.5895	28.5005	0.617164611
Pppde1	4.5175	7.32	0.617144809
Foxo1	4.823	7.8155	0.617107031
Opcml	23.953	38.825	0.616947843
Ermp1	5.484	8.892	0.616734143
Utrn	4.2405	6.8775	0.616575791
Znrf1	15.329	24.866	0.616464248
Dnajc27	28.9885	47.0255	0.616442143
Sema4d	7.3335	11.898	0.616364095
Arl16	17.2905	28.0525	0.616362178
Ash2l	9.4785	15.3785	0.616347498
Pigo	1.4505	2.3535	0.616316125
Cnih2	35.806	58.0985	0.616298183
Pds5b	21.431	34.7805	0.616178606
Dis3l	6.3015	10.227	0.616163098
9330182L06Rik	4.05	6.573	0.616157006
Thoc6	1.0535	1.71	0.616081871
Dck	7.094	11.515	0.616066001
Asb1	4.4025	7.1465	0.616035822
Gpn1	6.727	10.9205	0.615997436

Lekr1	1.191	1.934	0.61582213
Ddo	2.8665	4.655	0.615789474
Kctd3	10.0435	16.311	0.615750107
Lingo3	2.638	4.2855	0.615564112
Pot1a	6.1875	10.052	0.615549144
Sertad4	8.627	14.016	0.615510845
Gabpb2	1.494	2.4275	0.615447992
Rpl4	483.435	785.6025	0.615368459
Rnf144b	1.8835	3.061	0.61532179
Atf2	86.272	140.2485	0.615136704
Rrm1	1.6605	2.6995	0.61511391
Fn3krp	3.5045	5.6975	0.61509434
Zfp651	1.791	2.912	0.615041209
Tprkb	19.443	31.619	0.614915083
Cyp2u1	1.718	2.794	0.614889048
Mettl11a	4.6155	7.5065	0.614867115
Rbbp5	11.4985	18.7025	0.614810854
Srebf2	11.1335	18.114	0.614635089
Kcnk10	1.59	2.587	0.614611519
Zfp142	7.5345	12.26	0.614559543
Spock2	155.0435	252.3205	0.614470485
6030405A18Rik	3.638	5.9215	0.614371359
Dclk3	2.869	4.67	0.614346895
Haus8	2.2555	3.6715	0.61432657
Me2	13.195	21.481	0.614263768
Tecpr2	4.7235	7.6905	0.614199337
Nkain1	17.6775	28.7815	0.614196619
Cdh12	1.9475	3.171	0.614159571
Ppp2r1b	4.239	6.903	0.614080834
Msl1	46.15	75.1545	0.614068353
Vps33a	15.7915	25.7165	0.614061011
Fam114a2	7.6735	12.4965	0.614051935
Tcerg1	18.1965	29.6335	0.614051665
Cd47	38.092	62.0435	0.613956337
Till5	12.799	20.85	0.613860911
Jak2	3.9425	6.423	0.613809746
3110003A17Rik	3.387	5.518	0.613809351
Slu7	10.2495	16.703	0.613632282
Uhmk1	24.7985	40.422	0.613490179
Kank4	1.1635	1.897	0.613336848
Jph4	55.651	90.736	0.613328778
Ube2q2	11.0645	18.0465	0.613110575
8430410K20Rik	16.5395	26.9855	0.612903226
Bysl	4.1655	6.797	0.612843902
Nob1	5.1565	8.4145	0.612811219
Aldh6a1	4.5745	7.467	0.6126289
Nbea	17.129	27.97	0.612406149
Jmjd1c	8.66	14.1445	0.612252112
Kenma1	11.118	18.161	0.612190959
Fam117b	20.221	33.033	0.61214543
D730040F13Rik	5.948	9.7185	0.612028605
Stx5a	13.7205	22.4245	0.611853107
Lemd1	1.4935	2.4415	0.61171411
Trp53inp2	31.959	52.253	0.611620385
Snap25	2667.824	4362.671	0.611511618

Lxn	17.8415	29.179	0.611450015
Crcp	15.6095	25.5295	0.611429914
Ythdf1	14.8955	24.3725	0.611160119
Ghra3	3.601	5.893	0.611063974
1700081L11Rik	19.942	32.6365	0.611033659
Kent2	2.229	3.648	0.611019737
Tbc1d13	5.981	9.789	0.61099193
Arhgap12	5.5535	9.0895	0.610979702
Hmmr	7.965	13.037	0.61095344
Hdac8	2.9125	4.768	0.610843121
Cmpk2	8.193	13.414	0.610779782
BC005561	1.3645	2.2345	0.610651152
Aig1	5.3285	8.7265	0.610611356
Zfp161	9.1275	14.949	0.610575958
Iqsec3	31.2765	51.226	0.610559091
Tspyl2	132.864	217.611	0.610557371
Arhgef9	54.8085	89.7705	0.610540211
Pik3cb	4.364	7.149	0.610435026
Npy	3.491	5.719	0.610421402
Elk1	8.8445	14.49	0.610386473
Atl3	4.0945	6.7085	0.610345085
Nbas	4.8065	7.8805	0.609923228
Phf20	13.1755	21.604	0.609863914
Foxo3	14.389	23.6015	0.60966464
Senp7	15.9535	26.172	0.609563656
Rapgef4	12.4675	20.4535	0.609553377
Cnih4	6.3445	10.4095	0.60949133
Npm1	283.232	464.7385	0.609443805
Cpne1	6.048	9.926	0.609308886
Dnajc24	4.217	6.9215	0.609260998
Gm2573	1.049	1.722	0.609175377
Rev3l	5.8525	9.608	0.60912781
Rrp1	133.39	218.996	0.609097883
Mycbp2	23.3655	38.3615	0.609087236
Fam125b	18.086	29.694	0.609079275
Ccdc132	7.8685	12.922	0.608922767
Arhgap39	9.5375	15.6645	0.6088608
Tmem90a	1.7375	2.854	0.608794674
Gm10457	1.0295	1.6915	0.608631392
Bzrap1	4.5175	7.4225	0.608622432
Dus2l	5.1915	8.5305	0.608580974
Atp8a2	6.5975	10.842	0.608513189
Calb1	14.5425	23.902	0.608421889
Gm8966	3.085	5.0705	0.60842126
Setd5	41.6855	68.5525	0.608081397
Gprin3	5.63	9.2595	0.608024191
Wnk2	11.1235	18.3005	0.607824923
Metap1d	5.6625	9.3165	0.607792626
Slc7a11	2.427	3.9935	0.607737574
Mbd4	3.053	5.025	0.607562189
Ehd3	25.0495	41.2395	0.607415221
Lpgat1	22.0915	36.376	0.607309765
1700066M21Rik	2.324	3.827	0.607264176
Etaa1	1.224	2.0165	0.606992313
Ept1	5.5415	9.13	0.606955093

Tmem41b	5.79	9.541	0.606854627
Xrn1	3.3245	5.479	0.606771309
E430025E21Rik	11.5445	19.0285	0.60669522
Qtrtd1	1.7685	2.9155	0.606585491
Rhoa	52.11	85.914	0.606536769
Grasp	2.817	4.6445	0.606523845
Trmt6	4.037	6.656	0.606520433
Pitpnm2	4.4865	7.398	0.606447689
Fam110b	7.489	12.3495	0.606421313
Snx5	20.424	33.686	0.60630529
Lrrc3b	4.6075	7.5995	0.606289887
Spsb3	4.5335	7.478	0.606244985
Stk39	23.4415	38.6755	0.606107226
Cyp2s1	4.169	6.8795	0.606003343
Mage12	5.6515	9.326	0.605993995
D14Erttd449e	1.7975	2.9665	0.605932918
Cep76	1.721	2.841	0.605772615
Nploc4	10.473	17.3015	0.605323238
Banp	4.377	7.231	0.605310469
Dicer1	5.3345	8.813	0.60529899
Slc9a3r2	16.4765	27.2285	0.605119636
Kdm5d	1.6805	2.7775	0.605040504
Cdc14b	4.406	7.2835	0.604928949
Phip	3.6625	6.0545	0.604921959
Btaf1	2.082	3.442	0.604880883
Fam59a	3.3535	5.545	0.60477908
Ovca2	2.449	4.0495	0.60476602
Slc1a1	15.586	25.7735	0.604729664
Acap3	3.6025	5.9585	0.604598473
Hexa	5.3515	8.8525	0.604518498
Fus	50.9625	84.304	0.604508683
Snx19	3.6635	6.061	0.604438212
Macf1	12.7335	21.079	0.604084634
Erp44	4.05	6.705	0.604026846
Bbs2	9.683	16.033	0.60394187
Npas2	2.428	4.0205	0.603904987
Taok2	13.97	23.1365	0.603807836
BC029214	7.3525	12.1775	0.603777458
Nubp2	6.3945	10.5915	0.603738847
Usp45	7.3735	12.2215	0.603322014
C230072F16Rik	6.8845	11.413	0.603215631
Crk	11.155	18.493	0.603201211
Rbm25	22.7275	37.6795	0.603179448
Cbl11	18.095	29.9995	0.60317672
Dock3	14.4615	23.976	0.603165666
Prmt5	13.9555	23.138	0.603142017
Dnaja1	44.688	74.1315	0.602820663
Slmap	21.7185	36.032	0.602755884
Tmem29	10.2515	17.0095	0.602692613
BC024659	18.6665	30.9745	0.602640882
Tab3	2.5145	4.1725	0.602636309
Fhit	1.6555	2.7475	0.602547771
Elmo2	11.1965	18.583	0.60251305
Hlf	19.481	32.337	0.602436837
Trim24	11.1185	18.4565	0.602416493



LOC100502795	5.4545	9.055	0.602374379
Srebf1	2.8705	4.766	0.602287033
Lnpep	8.4865	14.092	0.602221118
Ankrd24	2.286	3.796	0.602212856
Fam3c	9.4075	15.6235	0.602137805
Coro1c	30.034	49.8965	0.601925987
Matk	9.524	15.8235	0.601889595
2310046O06Rik	3.29	5.4685	0.601627503
Gramd4	3.161	5.2545	0.601579598
Sumf2	4.969	8.26	0.60157385
Whsc111	21.112	35.098	0.601515756
Hbegf	1.1555	1.922	0.60119667
Zfp157	2.1415	3.5625	0.601122807
Papd4	2.048	3.407	0.601115351
Tmem123	1.011	1.682	0.601070155
Aldh7a1	4.594	7.6445	0.600954935
Ly6g6c	1.8925	3.1495	0.60088903
Aste1	1.5025	2.5005	0.600879824
Cdkl3	5.878	9.786	0.600653996
Arhgap31	1.7785	2.961	0.600641675
Tmem138	3.7625	6.2645	0.600606593
Rnf212	5.72	9.525	0.600524934
Phkg2	14.621	24.3535	0.600365451
Atrip	4.5535	7.586	0.600250461
Aars2	1.0045	1.6735	0.60023902
Lgi3	12.983	21.636	0.600064707
Acad11	2.3845	3.9745	0.599949679
Sesn3	45.0945	75.2055	0.599617049
Eif4g2	69.5695	116.034	0.599561335
Dennd5b	8.557	14.2765	0.599376598
Napepld	12.517	20.8845	0.599344011
Hdac11	89.0665	148.6075	0.599340545
Plcx1	2.135	3.563	0.599214145
1700052N19Rik	3.075	5.132	0.599181606
Idh2	6.318	10.545	0.599146515
Marcks	26.593	44.3935	0.599029137
Akirin1	24.7935	41.39	0.599021503
Ghdc	3.658	6.107	0.598984772
Dnajc18	28.1835	47.053	0.598973498
Pik3cd	1.002	1.673	0.598924088
Lrrc14b	2.8965	4.8365	0.59888349
Clint1	24.633	41.133	0.598862227
Ccny	12.3795	20.6735	0.598810071
Rnf214	14.949	24.966	0.598774333
Gopc	9.8645	16.4755	0.598737519
Smpd3	2.3685	3.956	0.598710819
Zmynd11	41.207	68.8265	0.598708346
Fkbp5	3.9115	6.535	0.598546289
Zfp763	1.9305	3.2255	0.598511859
Nfxl1	1.0605	1.772	0.598476298
Uggt2	1.907	3.1875	0.59827451
Senp1	5.1355	8.5855	0.598159688
Slc7a1	4.809	8.0405	0.598097133
Shc2	7.695	12.8665	0.598064742
Rnf115	8.723	14.586	0.598039216

Tor3a	1.089	1.821	0.598023064
Dock11	1.1285	1.8875	0.597880795
Scn3a	7.8265	13.091	0.597853487
Ctcf	14.34	23.986	0.597848745
Maoa	7.1935	12.035	0.597714998
Cacnb3	19.48	32.5945	0.597646842
Plat	2.023	3.385	0.597636632
Zfp882	2.568	4.297	0.597626251
Clip1	19.064	31.901	0.597598821
Mmp16	4.1355	6.9215	0.597486094
Gclc	10.618	17.773	0.597423057
Ogfr	1.8555	3.1065	0.597295992
Mapkap1	11.247	18.8335	0.597180556
Ankrd29	4.6435	7.777	0.597081137
Nhej1	2.269	3.801	0.596948172
Slc39a14	2.5755	4.3145	0.596940549
5730409E04Rik	20.3285	34.0545	0.596940199
Zfp518b	4.0635	6.808	0.596871328
Tollip	21.29	35.6755	0.59676809
Psen1	8.6015	14.4165	0.596642736
2410091C18Rik	15.5565	26.078	0.596537311
Mmd	9.0905	15.239	0.596528644
Actn2	1.7035	2.856	0.596463585
Shoc2	39.1845	65.6955	0.596456378
Arid3b	1.209	2.027	0.596447953
Trpc3	1.3965	2.3415	0.596412556
Fam177a	9.5315	15.9835	0.596333719
1700047117Rik2	9.5315	15.9835	0.596333719
Tbl2	3.5845	6.0115	0.596273809
Ctsd	71.621	120.1155	0.596267759
Gira1	2.628	4.408	0.596188748
Ifi2712a	7.1005	11.9105	0.596154653
Nup98	5.0955	8.5485	0.596069486
Usp4	9.284	15.577	0.596006933
Rbak	1.959	3.287	0.59598418
Rab11fip2	4.877	8.1845	0.595882461
Trak2	7.702	12.926	0.595853319
Ctsz	2.724	4.5725	0.595735375
Kif1b	48.0305	80.626	0.595719743
Pes1	4.5495	7.638	0.59564022
Fat1	4.1695	7.0025	0.595430203
Hdac7	1.9585	3.2895	0.595379237
Mmp17	12.1945	20.4855	0.595274707
Zfand6	3.8215	6.42	0.595249221
Fam73a	8.579	14.4145	0.595164591
Pgm1	1.5645	2.629	0.595093191
Zfp697	1.615	2.7145	0.59495303
Ddhd1	16.511	27.752	0.594948112
Nup11	21.464	36.0845	0.594826033
Unc80	22.324	37.531	0.594814953
Spin1	89.4815	150.441	0.594794637
Slc35e1	5.769	9.6995	0.594772926
Dcaf7	39.195	65.901	0.59475577
Cux1	26.387	44.3925	0.594402208
Mettl10	5.9465	10.0045	0.594382528

Cst3	250.0975	420.772	0.594377715
Dbpht2	14.209	23.9065	0.594357183
Pcsk2	13.755	23.1445	0.594309663
Plxnc1	10.084	16.968	0.594295144
Oasl2	24.4885	41.21	0.594236836
Ube2r2	49.327	83.0155	0.594190242
Wdr59	6.241	10.5035	0.594182891
D19Wsu162e	6.547	11.0195	0.59412859
Trim39	5.302	8.9245	0.594094907
Ttc38	4.2195	7.104	0.593961149
Anks3	2.6705	4.4965	0.593906372
Ncoa5	8.8655	14.929	0.593844196
Sc5d	9.186	15.4715	0.593736871
2700007P21Rik	16.097	27.112	0.593722337
Klhdc10	43.545	73.349	0.593668625
Gtdc1	13.938	23.4905	0.593346246
Bmp2k	3.319	5.5995	0.592731494
Gnpnat1	1.9975	3.37	0.59272997
Phf15	6.635	11.1945	0.592701773
Cask	13.97	23.573	0.592627158
D10Ert610e	7.791	13.149	0.592516541
Dcaf10	3.183	5.373	0.592406477
L3mbtl2	7.2715	12.275	0.592382892
Tanc1	1.354	2.286	0.592300962
Pigv	3.4335	5.7975	0.592238034
Tmx4	48.753	82.327	0.592187253
Memo1	6.992	11.81	0.592040644
Ddit3	7.326	12.3765	0.591928251
Cdv3	16.8165	28.414	0.59183853
Ube2c	5.383	9.0975	0.591701017
Sec24c	13.5685	22.9345	0.591619612
Phf6	4.3215	7.3055	0.59154062
Trim43b	2.034	3.439	0.591451003
Gdap1	23.0675	39.006	0.591383377
Inpp5b	6.895	11.661	0.591287197
Rfxank	2.001	3.3855	0.591050066
Dgkq	5.6705	9.5955	0.590954093
Fam19a2	4.994	8.453	0.590796167
Stk24	24.501	41.4955	0.590449567
Ddx55	6.1715	10.4545	0.590319958
Neto1	28.652	48.551	0.590142325
Akap8l	6.675	11.312	0.59008133
Nova1	26.989	45.745	0.589987977
Sf3a2	5.414	9.179	0.5898246
Rap1a	19.1445	32.4585	0.589814686
Nup160	1.4845	2.517	0.589789432
Gm13004	22.3225	37.8495	0.58977001
Maf	2.6725	4.532	0.589695499
Arl4a	4.8865	8.289	0.589516226
Acvr1b	10.9105	18.52	0.58911987
2010111I01Rik	1.405	2.385	0.589098532
Eif3l	21.1085	35.839	0.588981277
D10627	2.754	4.676	0.588964927
Ecd	5.7715	9.8025	0.588778373
Tspan17	8.5045	14.446	0.588709677

Ralbp1	27.0865	46.012	0.588683387
Veph1	1.053	1.789	0.588596982
Rbm26	14.2885	24.28	0.588488468
Crx	1.7385	2.956	0.588125846
Pptc7	29.5535	50.2505	0.588123501
Cull1	21.1895	36.044	0.587878704
Syncrip	11.747	19.9845	0.587805549
C1ql3	4.704	8.003	0.587779583
Fam110a	5.0115	8.5265	0.58775582
Ints6	3.7345	6.3545	0.58769376
Dpagt1	2.9025	4.939	0.587669569
Papd5	12.5385	21.3395	0.587572342
Elac1	10.1065	17.2085	0.587296975
Jmy	5.6615	9.645	0.586988077
Atxn7l3b	47.6815	81.245	0.586885347
Fgf5	6.0975	10.392	0.586749423
Epha5	4.4625	7.6055	0.586746434
Mfap1a	33.287	56.7425	0.586632595
Szt2	1.762	3.0045	0.586453653
Ptprr	3.8065	6.4915	0.586382192
Pdgfa	37.107	63.2865	0.586333578
Slc25a24	1.1395	1.944	0.586162551
Zfp187	22.9715	39.1975	0.586045028
Ccdc86	1.0485	1.7895	0.585917854
Cpox	14.432	24.642	0.585666748
Med13	6.972	11.907	0.585537919
Trmt12	2.7535	4.703	0.585477355
Tmco3	3.38	5.7735	0.585433446
Pmepa1	7.282	12.4395	0.585393304
Ears2	1.0405	1.7775	0.585372714
Pcyt1b	7.37	12.5905	0.585361979
Utp11l	19.672	33.613	0.585249755
Wwp1	6.443	11.0095	0.585221854
Ptk2	5.2675	9.001	0.585212754
Atrn	13.9335	23.812	0.585146145
Plekha8	1.3645	2.3325	0.584994641
1810063B07Rik	2.072	3.5425	0.584897671
Clcn7	2.689	4.5975	0.584883089
Igsf1	3.494	5.974	0.58486776
Shprh	4.009	6.858	0.584572762
Ndfip2	13.3575	22.8515	0.584534932
Till12	3.6575	6.259	0.584358524
Asl	7.8795	13.4845	0.584337573
Flrt2	5.061	8.6635	0.584174987
Robo2	3.1805	5.4445	0.584167508
Dcaf6	12.136	20.7785	0.58406526
Rasal2	9.1045	15.591	0.583958694
Hnrnph2	21.3235	36.531	0.583709726
Srsf11	19.1185	32.756	0.583664062
Hcfc1	15.151	25.9595	0.583639901
1700007K13Rik	1.2675	2.1725	0.583429229
Usp8	42.562	72.96	0.583360746
2810026P18Rik	5.3745	9.217	0.583107302
Zfp629	2.709	4.646	0.583082221
Sox5	2.9915	5.1305	0.583081571

Dnajc5	79.986	137.207	0.582958595
Adam22	20.9135	35.8805	0.582865345
Zdhhc18	3.3615	5.768	0.582784327
Pvrl3	3.634	6.237	0.582651916
Nr1h2	9.8715	16.944	0.582595609
Sash1	9.2575	15.8905	0.582580787
Foxred1	4.885	8.3855	0.582553217
Ldlr	2.377	4.0805	0.582526651
Lmf1	5.1135	8.779	0.58246953
Cit	14.146	24.2865	0.582463509
Sik2	13.232	22.719	0.582420001
Gm5621	3.0095	5.1675	0.582389937
Snx27	33.05	56.756	0.582317288
Crebl2	13.301	22.843	0.582279035
0610010F05Rik	4.9605	8.5195	0.58225248
Abi2	34.536	59.323	0.582168805
Cd68	3.22	5.533	0.581962769
Cytsa	7.9165	13.6035	0.581945823
Smyd3	19.7585	33.956	0.581885381
Zfp9	13.545	23.292	0.581530139
Usp6nl	7.3715	12.6765	0.581509092
BC057079	4.5645	7.851	0.581390906
Chst15	2.2245	3.8265	0.581340651
Pacsin2	14.6715	25.2405	0.5812682
Wdr4	1.8945	3.2595	0.581224114
Naa30	4.8895	8.4185	0.580804181
Ehbp111	2.2955	3.9525	0.580771664
Spats2	4.1595	7.163	0.580692447
Hook2	1.4995	2.5825	0.580638916
Rnf168	11.3225	19.504	0.580521944
1110002B05Rik	5.0915	8.771	0.580492532
Zfp825	11.465	19.7615	0.580168509
Atxn2l	29.815	51.3985	0.580075294
Ttc39b	6.211	10.7085	0.580006537
Arhgef12	34.8885	60.152	0.580005652
Ankfy1	5.3375	9.205	0.579847909
Zfp27	4.7065	8.1185	0.579725319
Ski	18.4875	31.8925	0.579681743
Tes	1.111	1.917	0.579551382
Gorasp1	4.5155	7.7915	0.579541808
Hps4	1.7275	2.9825	0.57921207
Pkia	40.0775	69.1945	0.579200659
Rnf2	3.3975	5.8665	0.579135771
Clip4	9.452	16.3235	0.579042485
Tpr	23.184	40.043	0.578977599
Fam114a1	1.533	2.6485	0.578818199
8430406I07Rik	1.3985	2.417	0.578609847
Hectd2	2.5695	4.441	0.578585904
Snpc4	2.6115	4.514	0.578533451
Fbxl3	11.9415	20.642	0.57850499
Smpd2	2.328	4.0245	0.578456951
Nampt	6.196	10.7115	0.578443729
Dnase1	1.486	2.569	0.578435189
Rad18	4.6665	8.0685	0.57836029
Qrich1	25.79	44.593	0.578341892

Pfn4	2.5775	4.458	0.578174069
Prdm4	5.0085	8.6635	0.578115081
Luzp1	11.7905	20.395	0.578107379
Hsd17b10	20.9935	36.328	0.57788758
Cd164	13.429	23.239	0.577864796
Tmed8	9.5655	16.5585	0.577679138
Bcor11	3.248	5.6225	0.577678968
Mnat1	4.4875	7.7685	0.577653344
Prkab1	2.796	4.844	0.577208918
Rims1	13.474	23.345	0.577168559
C030039L03Rik	1.9225	3.331	0.577154008
Sgpp2	6.1375	10.6355	0.577076771
Eif2s3y	1.676	2.905	0.576936317
Cir1	24.1475	41.8615	0.576842684
B230219D22Rik	17.191	29.804	0.576801772
Ttc19	7.768	13.4675	0.57679599
Trim46	9.2875	16.1085	0.57655896
Snx10	22.194	38.4965	0.576519943
Cd247	1.9115	3.316	0.576447527
Abcc5	10.484	18.189	0.576392325
Gm4944	1.7625	3.058	0.576357096
Ak4	7.6375	13.258	0.57606728
Ubfd1	40.2925	69.9535	0.575989765
Ep300	17.53	30.4535	0.575631701
Mfsd6	38.3855	66.692	0.575563786
A130042E20Rik	3.002	5.2165	0.575481645
Pdzd8	9.558	16.612	0.575367204
Mbd6	4.155	7.223	0.575245743
Sfi1	1.2215	2.1235	0.575229574
Gm3187	1.2175	2.117	0.575106282
Fam45a	6.017	10.4625	0.575101553
Trim45	2.1315	3.7065	0.575070822
Ralgps1	5.63	9.7925	0.574929793
Dand5	7.6235	13.266	0.574664556
LOC100504405	1.7665	3.0745	0.57456497
Ppig	14.35	24.976	0.57455157
Rcan3	28.7105	50.024	0.573934511
2510009E07Rik	12.318	21.4635	0.573904536
Tef	15.2005	26.49	0.57382031
2010002M12Rik	1.137	1.982	0.573662967
Kcmf1	34.624	60.366	0.573567902
LOC100502986	1.6545	2.885	0.573483536
Pitpnm3	7.8185	13.6345	0.573435036
Pde1c	2.4255	4.23	0.573404255
Gm2897	1.746	3.0465	0.573116691
Pggt1b	1.9735	3.4445	0.572942372
Mtss11	51.983	90.7315	0.572932223
Stard3	1.819	3.175	0.572913386
Rfc2	4.451	7.77	0.572844273
Trim11	1.7265	3.014	0.572826808
Pde1a	19.943	34.817	0.572794899
Fiz1	3.679	6.423	0.572785303
Lsm14a	22.7495	39.7235	0.572696263
Mrps6	22.491	39.2735	0.572676232
Tbc1d30	9.762	17.051	0.572517741

Ankrd45	9.421	16.4595	0.572374616
Tspan9	2.1715	3.794	0.572351081
Vegfb	32.3495	56.5385	0.572167638
Cpeb2	12.3955	21.665	0.572144011
2410066E13Rik	9.3215	16.2925	0.572134418
Pim3	5.7535	10.057	0.572089092
Zfp719	7.8235	13.678	0.571976897
Ipo9	12.8245	22.4235	0.571922314
Ppapdc1a	1.67	2.92	0.571917808
Wdtd1	10.218	17.868	0.571860309
Dek	12.457	21.7925	0.571618676
Ttc15	20.343	35.5885	0.571617236
Hsd12	12.456	21.792	0.571585903
Zfand2a	41.6585	72.894	0.571494224
Znrf2	2.766	4.8405	0.571428571
Sgms1	6.229	10.9025	0.571336849
D630037F22Rik	1.028	1.7995	0.571269797
D630045J12Rik	5.634	9.865	0.571109985
1110036O03Rik	3.1005	5.4295	0.571047058
Klf11	4.1	7.18	0.571030641
Eif3a	24.6425	43.167	0.570864318
Ero11	13.2485	23.2085	0.570846888
Gpr75	8.036	14.0795	0.570758905
Chd2	8.582	15.048	0.570308347
Wnk3-ps	12.359	21.671	0.570301324
Stard4	2.6005	4.561	0.570160053
Fxr1	21.141	37.087	0.570038019
Ndst1	8.4195	14.7715	0.569982737
Dip2c	10.8715	19.0755	0.56991953
Zfp574	10.0155	17.574	0.569904404
Dennd1a	11.586	20.339	0.569644525
Nrf1	6.97	12.238	0.569537506
Dbi	183.7725	322.672	0.569533458
Apip	9.2485	16.244	0.569348683
4933424B01Rik	2.831	4.9735	0.569216849
Slc24a5	4.334	7.614	0.569214605
Ikbip	5.4025	9.4915	0.569193489
Nufip1	4.5375	7.9735	0.569072553
Zufsp	1.3805	2.4265	0.568926437
Prmt3	6.327	11.121	0.568923658
Slc16a1	1.75	3.076	0.568920676
Egln3	1.9545	3.436	0.568830035
Abhd14b	5.2535	9.2375	0.568714479
Actr10	30.7935	54.1475	0.568696616
Trpm7	1.8415	3.2385	0.568627451
D430041D05Rik	7.2485	12.75	0.568509804
Fam171b	25.21	44.346	0.568484192
Uck11	4.509	7.9335	0.568349404
Nrxn1	42.949	75.575	0.568296394
Re3h2	8.647	15.22	0.568134034
Tfdp2	3.246	5.714	0.568078404
Lrba	3.044	5.3595	0.567963429
Snx13	5.89	10.3715	0.567902425
R3hdm2	51.622	90.905	0.567867554
Bcl2l2	20.917	36.887	0.567056144

Zfp668	4.805	8.4745	0.566995103
Snapc1	17.461	30.7975	0.566961604
LOC100503807	10.4265	18.392	0.566904089
Zkscan16	35.352	62.381	0.566711018
Mkln1	6.926	12.228	0.566404972
Cnn3	5.7375	10.1315	0.566303114
Bcl7a	10.764	19.01	0.566228301
Shroom2	5.4695	9.66	0.566200828
Thsd7a	3.299	5.827	0.566157542
Uhrf1bp11	13.9685	24.695	0.565640818
Ggt7	3.496	6.181	0.565604271
Plcd3	1.0785	1.907	0.565547981
2810474O19Rik	3.448	6.097	0.565524028
Ptpa	9.27	16.3925	0.565502516
Rad50	4.306	7.615	0.565462902
Bcdin3d	1.3365	2.3655	0.564996829
Rnf150	5.9745	10.5745	0.564991253
Mapk14	11.596	20.528	0.564886984
Gsta4	49.6915	87.9885	0.564749939
Bcl2l13	3.168	5.611	0.56460524
Rwdd2b	2.5505	4.5205	0.564207499
Dram2	4.465	7.914	0.564190043
Dlgap1	29.2135	51.785	0.56413054
LOC100169868	1.545	2.739	0.56407448
Srfbp1	9.8135	17.402	0.563929433
Kpnb1	24.2665	43.0335	0.563897894
Trim2	32.201	57.1045	0.563896015
Galnt2	4.279	7.59	0.563768116
Cntnap5b	1.6375	2.905	0.563683305
Fam108b	5.4845	9.731	0.56361114
AK129341	4.5535	8.082	0.563412522
Zfp398	4.67	8.292	0.563193439
Arid2	6.207	11.026	0.562942137
Trak1	34.306	60.945	0.562900976
Zfp74	11.328	20.1245	0.562895973
Rxra	7.625	13.5485	0.562792929
Gngt1	2.233	3.968	0.562752016
Pcyt1a	6.437	11.4385	0.562748612
Camk2g	35.8055	63.627	0.56274066
Ankrd34c	3.2155	5.7145	0.562691399
Rab6b	295.447	525.069	0.562682238
Rnf123	4.4295	7.873	0.562619078
Nfasc	21.872	38.877	0.56259485
Ing5	2.8285	5.028	0.562549722
Ankrd42	2.832	5.0355	0.562406911
2310047M10Rik	4.521	8.042	0.562173589
Megf11	3.7275	6.632	0.562047648
Stx16	31.126	55.3835	0.56200854
Cables1	2.7765	4.9405	0.561987653
Th11	10.456	18.6065	0.561954156
Prkg1	2.806	4.994	0.561874249
Mtmr9	4.4795	7.978	0.561481574
Slc10a4	3.8305	6.8225	0.561451081
Ophn1	3.088	5.501	0.561352481
Nova2	11.2175	19.9845	0.561310015



Zfp111	1.9755	3.52	0.561221591
Lrp8	7.577	13.502	0.561176122
Agrn	2.4595	4.383	0.561145334
Pde7b	8.041	14.332	0.561052191
Tcf3	2.594	4.624	0.560986159
Brd8	12.401	22.114	0.560775979
0610009O20Rik	6.2255	11.104	0.560653818
Ubxn4	21.7005	38.7085	0.560613302
Plcx3	13.7975	24.618	0.560463888
Dnm2	6.7225	11.9965	0.560371775
Gcdh	3.228	5.761	0.560319389
Plekhm1	5.08	9.0665	0.560304417
Ncapd3	2.0405	3.642	0.560269083
Ankrd52	11.3825	20.319	0.56018997
Arhgef1	3.409	6.0855	0.560184044
Lrch4	4.7775	8.5295	0.560114895
Stox2	22.508	40.1875	0.56007465
Rev1	2.7575	4.924	0.560012185
Setbp1	3.543	6.3275	0.559936784
Ubap2	20.3345	36.3245	0.559801236
Ergic2	4.161	7.433	0.559800888
Kcnh5	2.6825	4.792	0.559787145
Arnt2	31.3405	56.0015	0.559636795
Stk35	6.137	10.967	0.559587854
Picalm	21.0205	37.5645	0.559584182
Dchs1	1.1515	2.058	0.55952381
Ube2g1	4.9385	8.827	0.559476606
Pbx2	11.393	20.365	0.559440216
Fam193a	20.553	36.7445	0.559349018
Phactr1	20.5215	36.6905	0.559313719
Tlcd2	6.3115	11.2865	0.559207903
Tbc1d24	6.927	12.3885	0.559147597
Gm10465	1.4535	2.6005	0.558930975
2210408I21Rik	2.0885	3.737	0.558870752
Pou6f2	5.999	10.7355	0.558800242
Ppm1g	25.753	46.088	0.558778858
Rbm28	10.042	17.972	0.558758068
BC026590	7.0935	12.698	0.558631281
Aldh5a1	50.7165	90.8035	0.558530233
Cwc27	12.845	22.9985	0.558514686
Msl2	5.437	9.739	0.55827087
Lemd2	1.1145	1.9965	0.558226897
Dusp10	5.617	10.063	0.558183444
Ep400	7.4495	13.3465	0.558161316
Amfr	11.2665	20.193	0.557940871
Dzip1	13.8395	24.805	0.557931869
Zfp11	3.6295	6.5065	0.557826789
Csrnp3	16.6785	29.9055	0.557706776
Ccdc91	11.866	21.278	0.557665194
Anks1	2.3105	4.146	0.557284129
Cdc42se1	7.197	12.9165	0.557194286
Rrbp1	6.316	11.3395	0.556991049
Ddx17	70.635	126.8195	0.556972705
8430427H17Rik	11.4265	20.526	0.556684205
Zfp251	4.115	7.395	0.556457066

Ddx50	10.556	18.9735	0.556354916
Myadm	15.921	28.617	0.556347626
Fbxl14	4.6765	8.4065	0.556295724
Zfp277	12.356	22.2155	0.556188247
Cd2ap	8.813	15.846	0.556165594
Tgs1	4.3005	7.733	0.556123109
Sugp1	10.8605	19.529	0.556121665
Kcnn3	3.481	6.2595	0.556114706
Jarid2	6.711	12.068	0.556098774
Xrcc2	1.869	3.3615	0.556001785
Zc3hav11	5.351	9.625	0.555948052
Sall2	13.423	24.151	0.555794791
S100pbp	24.321	43.7595	0.555787886
Pms2	3.4445	6.1985	0.555698959
Gm10622	1.515	2.7265	0.555657436
Ppp1r10	9.9945	17.9875	0.555635858
Clock	8.024	14.443	0.555563249
Prodh	1.275	2.295	0.555555556
Ankfn1	6.38	11.4845	0.555531368
Rab33b	13.0975	23.5795	0.555461312
Fert2	2.619	4.715	0.555461294
LOC100504095	12.106	21.809	0.555091935
Pafah1b2	70.037	126.1725	0.555089263
Rcn2	22.4555	40.457	0.555046098
Zfp362	6.6965	12.0705	0.554782321
Wipf2	34.544	62.281	0.554647485
Stx17	5.0435	9.0935	0.554626931
Zfp12	5.8545	10.559	0.554455914
Park2	2.0255	3.6535	0.554399891
Rel2	38.994	70.3435	0.554336932
Decr2	22.3735	40.3675	0.554245371
Dkc1	15.56	28.0815	0.554101455
Ercc5	3.544	6.3985	0.553879816
Abca2	10.3215	18.638	0.55378796
Gm3662	18.0985	32.6845	0.553733421
Pik3c2b	5.02	9.0665	0.553686649
Tusc1	2.12	3.829	0.553669365
Hrh2	1.569	2.834	0.553634439
D6Wsu116e	10.4905	18.952	0.55352997
Ephb2	2.7335	4.939	0.553452116
Ylpm1	19.5295	35.292	0.553369035
Cdo1	24.3545	44.016	0.55331016
Tmem205	3.574	6.46	0.553250774
Zfp62	3.226	5.8335	0.553012771
Ddx56	3.1485	5.694	0.552950474
Pgm3	2.128	3.8495	0.552799065
Egln1	20.3785	36.886	0.552472483
H2afy2	8.4145	15.2345	0.552331878
Tnks	7.269	13.1635	0.552208759
Kif3a	44.7165	80.992	0.552110085
Narf	7.5505	13.678	0.552017839
Ajap1	10.425	18.8875	0.551952349
Ppp4r2	7.796	14.1255	0.551909667
LOC100504614	1.028	1.863	0.551798175
Vldlr	2.4935	4.519	0.551781368

Gm71	1.6215	2.9405	0.55143683
Tom1	9.232	16.745	0.551328755
Chrm3	1.5085	2.738	0.550949598
Prdm2	10.129	18.3855	0.550923282
Pag1	1.1145	2.023	0.550914483
Zfp445	4.816	8.742	0.550903683
Zfp191	5.316	9.652	0.55076668
Ogt	8.977	16.3025	0.550651741
Rgp1	2.921	5.305	0.55061263
Sgtb	67.1615	122.027	0.550382292
Ddx3x	38.0775	69.1925	0.550312534
Smek1	4.4435	8.075	0.550278638
Nrg1	9.992	18.1585	0.550265716
Snx30	9.13	16.5925	0.550248606
Mrpl35	12.555	22.8225	0.550115018
LOC100504464	1.279	2.325	0.550107527
Hspa13	5.416	9.8475	0.549987306
Map3k3	1.0375	1.8865	0.549960244
Acadv1	9.8435	17.9005	0.549900841
Yipf1	5.8805	10.6955	0.549810668
Mphosph9	1.937	3.524	0.549659478
Ptplb	5.877	10.694	0.549560501
Nhlrc2	1.201	2.1855	0.549531
Spry2	6.02	10.955	0.549520767
Plbd2	9.49	17.2715	0.549460093
Prpf4	4.215	7.674	0.549257232
Gm10294	10.7635	19.5985	0.549200194
Larp6	5.533	10.076	0.549126638
Sema7a	2.952	5.376	0.549107143
Pde4dip	16.7375	30.4885	0.548977483
Eri1	2.4325	4.431	0.548973144
Pold2	7.1795	13.08	0.548891437
Btbd12	4.327	7.8855	0.548728679
BC005537	17.78	32.4085	0.548621504
Plcl2	4.7815	8.7165	0.548557334
Zfp369	7.9685	14.5265	0.548549203
Ralgapa2	2.7375	4.9905	0.54854223
Mat2a	39.8205	72.6115	0.548404867
Dgkg	16.1395	29.4365	0.548281895
9430025M13Rik	1.7985	3.2805	0.548239598
Soat2	1.8795	3.4285	0.548198921
Nynrin	8.663	15.8075	0.548030998
Ralgps2	5.93	10.821	0.548008502
Rbm34	10.23	18.6685	0.547981895
Rnf165	7.091	12.9435	0.547842546
Luc7l	11.5845	21.146	0.547834106
Dep1a	5.423	9.899	0.547833114
Zfp609	11.3955	20.803	0.54778157
Sirt6	3.159	5.7675	0.547724317
Zranb2	28.702	52.4045	0.547701056
Ank1	5.957	10.877	0.547669394
Prkca	7.5535	13.7925	0.54765271
Zdhhc20	8.42	15.386	0.547250747
Sec24b	16.9695	31.0135	0.547164944
Rpsa	87.284	159.5445	0.547082475

Fam101b	2.3045	4.213	0.546997389
Haus3	1.01	1.8465	0.546980774
Epb4.1	3.9885	7.294	0.546819304
Sertad2	2.5835	4.725	0.546772487
Rdh1	5.0265	9.1935	0.546744983
Ppp3cc	6.4965	11.8845	0.546636375
Atp1b3	30.507	55.83	0.546426652
Pcdh1	18.22	33.344	0.546425144
Pphln1	24.2265	44.358	0.546158528
Pex5l	24.1085	44.1475	0.546089813
Osbp2	5.0935	9.3275	0.546073439
Irs1	2.9485	5.4	0.546018519
Slitrk3	12.5475	22.9905	0.545768905
Lysmd3	1.083	1.9845	0.545729403
Ybx1	30.9255	56.6815	0.545601298
Csf2rb2	1.386	2.541	0.545454545
Sh3bgrl2	3.0585	5.6095	0.545235761
Nbeal1	1.4495	2.6585	0.545232274
Eif4ebp2	18.682	34.266	0.54520516
Pogz	17.589	32.271	0.545040439
Ppp1r3f	5.0465	9.259	0.545037261
Rnft2	5.3575	9.8315	0.544932106
Rgs12	1.268	2.327	0.544907606
Cpt1a	1.0495	1.927	0.544628957
Kif3b	8.313	15.267	0.544507762
Csnk1g1	5.5795	10.2505	0.544314911
Cpeb4	38.465	70.6695	0.544294215
Sgsm2	5.976	10.9795	0.54428708
Dlg2	54.865	100.822	0.544176866
Taf7	4.815	8.85	0.544067797
St8sia4	1.623	2.9835	0.543991956
Mipol1	2.695	4.9555	0.543840178
Polr3h	3.293	6.0555	0.543803154
Ccnd3	2.4265	4.463	0.543692583
Mbnl1	37.348	68.697	0.543662751
Ampd2	11.7775	21.6655	0.543606194
Usp54	10.0355	18.461	0.543605438
Rspo1	11.58	21.306	0.543508871
MacroD2	7.427	13.6655	0.543485419
Prdx6	19.323	35.554	0.543483152
Myo1b	1.0945	2.014	0.543445879
Zfp738	2.5265	4.65	0.543333333
Fmn2	7.847	14.4445	0.543251757
Kctd4	4.98	9.17	0.543075245
Mrap2	16.6455	30.669	0.542746748
Pwp2	2.1665	3.9935	0.542506573
Zfp143	1.105	2.037	0.542464408
Dync1li2	46.081	84.96	0.542384652
Psme3	36.402	67.144	0.542148219
LOC100502725	10.8505	20.0155	0.542104869
Psme1	160.601	296.275	0.542067336
Zfp322a	4.5915	8.4715	0.541993744
Zfp566	1.797	3.3165	0.541836273
Apbb2	24.838	45.8435	0.541799819
Ppm1e	12.5635	23.1885	0.541798736

LOC100502943	9.7525	18.001	0.541775457
E330016A19Rik	1.067	1.9695	0.541761868
Agap1	26.5665	49.0425	0.541703624
Camk4	7.041	12.999	0.541657051
Nat9	4.7705	8.8085	0.541579156
Slc35e3	6.8545	12.6575	0.541536638
Wdr60	2.9695	5.4835	0.541533692
Mafg	9.3035	17.183	0.541436303
C030046E11Rik	2.623	4.845	0.541382869
Stau2	32.298	59.6645	0.54132692
Psmc9	4.227	7.809	0.541298502
Ddx10	5.1905	9.589	0.54129732
Dcaf8	19.5425	36.104	0.541283514
Ctnd2	66.5645	122.9765	0.541278212
Smarcd1	2.035	3.76	0.541223404
D4Ert22e	4.3475	8.033	0.541205029
Itch	8.4635	15.639	0.541179104
Ccdc21	1.565	2.892	0.541147994
Dusp28	7.378	13.6415	0.540849613
Rcctb1	12.631	23.362	0.540664327
Kcnh7	3.5645	6.5935	0.540608175
Tpp1	8.9375	16.5455	0.540177087
Sat1	6.7835	12.558	0.540173595
Lrrc57	4.605	8.5255	0.540144273
Zbtb9	1.7955	3.3245	0.540081215
Mier3	3.5475	6.5685	0.540077643
Nsun5	3.007	5.569	0.539953313
Rpl10	514.8905	953.7275	0.539871714
Ssx2ip	19.879	36.8255	0.53981616
Dab1	17.958	33.2785	0.539627688
Fam102b	4.7255	8.764	0.539194432
Bpgm	23.0905	42.8395	0.539000222
2010109I03Rik	1.0305	1.912	0.538964435
Kdm2a	15.248	28.2925	0.538941416
Tmed7	8.2665	15.3395	0.538902833
Ivd	11.7175	21.7435	0.538896682
Rab23	10.8115	20.065	0.538823823
Cnpy4	1.781	3.3055	0.538798971
Crtac1	3.122	5.796	0.538647343
Slc35d1	1.6465	3.057	0.538599935
Il17d	1.979	3.6745	0.538576677
Cblb	6.659	12.3645	0.538557968
Dhx40	4.3815	8.143	0.538069508
Srcap	22.265	41.383	0.53802286
Tlk2	13.1975	24.5345	0.537915996
Rab27b	4.9	9.118	0.537398552
Tgm2	1.0245	1.9065	0.537372148
Tmem38b	1.0475	1.95	0.537179487
Bivm	3.5365	6.5835	0.537176274
Derl2	3.433	6.3935	0.536951591
Hnrnpa1	102.798	191.477	0.536868658
9030425E11Rik	5.234	9.7495	0.536848043
Anxa5	11.604	21.618	0.53677491
Hdac1	14.72	27.43	0.536638717
Rffl	1.8425	3.4335	0.536624436

Ncald	38.4335	71.622	0.536615844
Arvcf	4.5115	8.4105	0.536412817
Klhl24	5.591	10.423	0.536409863
Tyw1	1.05	1.9575	0.536398467
Lcmt2	3.495	6.517	0.536289704
Gcap14	18.261	34.0565	0.536197202
Bicd1	7.9565	14.839	0.536188422
Rbpj	8.045	15.006	0.536118886
Ankrd40	16.202	30.2305	0.535948793
Gm672	51.775	96.6395	0.535754014
Galc	1.4295	2.6685	0.53569421
Bra2	1.017	1.8985	0.535686068
Fam134b	18.5765	34.6895	0.535507863
Gm6887	1.218	2.275	0.535384615
Nup210	1.304	2.436	0.535303777
Iqcc	2.377	4.4445	0.534818315
Xkr4	2.78	5.1995	0.534666795
Phlpp1	9.0775	16.98	0.534599529
Zfp3612	2.261	4.2295	0.534578555
Ppp1r15a	1.6495	3.0875	0.534251012
Ube4a	4.348	8.1405	0.534119526
Zfp516	3.2175	6.0245	0.534069217
Ivns1abp	9.7325	18.2305	0.533858095
Gefc1	7.4735	14.0005	0.533802364
AI646023	13.458	25.2215	0.533592372
Ccdc22	1.874	3.5135	0.533371282
Siah1b	1.1475	2.1515	0.533348826
Ero11b	1.946	3.6505	0.533077661
Ccdc93	1.8975	3.56	0.533005618
Wee1	5.379	10.0955	0.532811649
Gm4979	4.341	8.1495	0.532670716
B9d1	4.033	7.572	0.53262018
Commd5	4.1415	7.776	0.532600309
Fut9	4.1775	7.846	0.532436911
Mfsd11	3.329	6.2555	0.532171689
Sbf2	4.9815	9.361	0.532154684
Nck1	3.331	6.26	0.532108626
Sox1	10.6465	20.0115	0.532019089
Zfp120	1.933	3.635	0.531774415
Pcdh9	11.2195	21.1005	0.531717258
Fzd3	6.3275	11.9005	0.531700349
Krba1	1.9895	3.7425	0.531596526
Add3	15.0355	28.286	0.531552712
Hook1	2.988	5.6225	0.531436194
Cnot6	2.4575	4.6245	0.531408801
Mettl3	3.178	5.9805	0.531393696
Gm10876	1.984	3.7345	0.531262552
Dip2b	20.877	39.338	0.530708221
Mblac2	11.7955	22.227	0.530683403
Ing3	4.633	8.7325	0.530546808
Zfp747	3.6935	6.962	0.530522838
Ipo8	6.4485	12.156	0.530478776
Zfp84	3.284	6.1945	0.530147712
Zfp91	9.3955	17.725	0.530070522
Chka	10.575	19.9545	0.529955649

Tbce	6.0635	11.4425	0.529910422
Cd9912	43.5375	82.176	0.529807973
C77080	1.321	2.4945	0.529565043
Phf13	5.446	10.284	0.529560482
Zmym4	14.131	26.698	0.529290584
Mag	9.049	17.0965	0.529289621
Ddhd2	8.8695	16.7645	0.529064392
Fbxl21	8.3615	15.81	0.52887413
Mfsd4	5.6925	10.7635	0.52887072
Stat2	6.0795	11.4985	0.528721138
Rnf152	3.3485	6.334	0.528654878
Insr	3.5525	6.7205	0.528606502
Zcchc6	5.6465	10.682	0.528599513
Usp37	2.1545	4.0765	0.52851711
Zhx3	16.9515	32.0745	0.528503952
Gm10118	1.7945	3.3955	0.528493594
Zbtb8a	1.3615	2.577	0.528327513
Colec12	10.808	20.459	0.528276064
Sod2	61.6525	116.7285	0.52817007
B230209E15Rik	36.6105	69.3485	0.527920575
Zbtb8b	1.4525	2.7515	0.527893876
Zc3h7b	8.417	15.947	0.527810874
Zfp827	8.4265	15.968	0.527711673
Eef1g	169.982	322.114	0.527707582
Mmaa	3.8845	7.3645	0.527462828
Klf15	2.897	5.493	0.527398507
Csk	5.5515	10.5275	0.527333175
Csf2ra	6.633	12.5805	0.527244545
Dnajb2	18.4935	35.086	0.527090577
Zyg11b	25.0105	47.4635	0.526941755
Thoc1	2.7555	5.2295	0.526914619
ORF19	4.553	8.643	0.526784681
Hipk1	21.6775	41.151	0.526779422
Acad9	4.1615	7.9	0.526772152
Exoc5	3.4145	6.483	0.526685177
Gnptg	21.6425	41.092	0.526684026
Mthfd21	2.9705	5.6415	0.526544359
Orc4l	5.0835	9.6545	0.526542027
Tmtc1	11.4175	21.684	0.526540306
B4galt6	20.044	38.071	0.526489979
Ankrd44	1.7365	3.2995	0.526291862
Utp15	5.057	9.6105	0.526195307
Gm1060	2.374	4.513	0.526035896
Zfp46	4.518	8.5925	0.52580739
Ccdc50	8.1305	15.4645	0.52575253
Zfhx2	10.0415	19.1005	0.525719222
Smpd13a	1.4555	2.769	0.525641026
Rab39b	16.223	30.8795	0.525364724
Nudt16	12.522	23.835	0.525361863
Lsg1	8.722	16.6045	0.525279292
Stx12	44.8535	85.3955	0.525244304
Zfp667	4.238	8.071	0.525089828
Mtpn	29.791	56.754	0.524914543
Spag6	1.8725	3.5685	0.524730279
LOC100502877	6.498	12.394	0.524285945

Cyp2j6	1.0795	2.059	0.524283633
5730507C01Rik	1.9725	3.763	0.524182833
Tll1	2.5065	4.782	0.524153074
Gtpbp1	7.2065	13.753	0.523994765
Morc3	2.2075	4.213	0.523973416
D5Erttd579e	14.2705	27.24	0.523880323
Gm14137	1.2955	2.473	0.523857663
Ppp1r16a	2.7225	5.1975	0.523809524
Btbd9	4.5805	8.745	0.52378502
1200014J11Rik	5.257	10.038	0.523709902
Wdr83	3.4875	6.6595	0.523687965
Sema6a	12.713	24.2795	0.523610453
Eif5a2	8.711	16.6405	0.523481867
1110007A13Rik	6.6615	12.726	0.523455917
Usp36	4.8505	9.267	0.523416424
Gm52	1.504	2.8735	0.523403515
Capn1	1.0755	2.055	0.523357664
Cep170	14.9395	28.554	0.523201653
Fdx1	7.146	13.6595	0.523152385
Hoxb1	1.034	1.9775	0.522882427
Ube2l6	6.606	12.635	0.522833399
Ankrd17	24.064	46.0265	0.52282924
Cstf2	9.956	19.0615	0.522309367
Gpr137b	2.7105	5.1905	0.522204027
D10Bwg1379e	17.3685	33.26	0.522203848
Eif2c2	24.811	47.517	0.522149967
Capn5	12.1935	23.353	0.522138483
Dcun1d3	2.6485	5.0725	0.522129128
Kbtbd10	1.679	3.216	0.522077114
Rapgef1	10.186	19.5135	0.521997591
Ranbp10	3.7345	7.155	0.521942697
Cc2d2a	4.5595	8.736	0.521920788
Ppm1b	32.909	63.0615	0.521855649
Phc3	12.616	24.1755	0.521850634
Pde12	2.4925	4.777	0.521770986
Prpf31	5.171	9.9105	0.52176984
Sdc2	15.637	29.972	0.521720272
Mtap4	29.6895	56.919	0.521609656
Azi2	8.27	15.8575	0.521519786
Plekhm2	2.3865	4.5765	0.521468371
Spire1	27.049	51.878	0.521396353
Dzip11	2.0445	3.9215	0.521356624
Stim1	5.324	10.212	0.521347434
BC017158	9.2855	17.816	0.521188819
Sfxn4	3.3025	6.3365	0.521186775
Rnf138	1.5715	3.016	0.521054377
Mreg	4.26	8.1765	0.52100532
Zkscan1	11.2695	21.635	0.520892073
Ttc21b	1.8635	3.578	0.520821688
Nek9	5.017	9.6335	0.520786838
Snx25	6.545	12.568	0.520767027
Tmem111	11.453	21.994	0.520732927
Gnl2	13.5315	25.987	0.520702659
Arrb1	17.41	33.45	0.520478326
Lhx1	1.265	2.431	0.520361991



Car10	35.643	68.5345	0.520073831
Tbc1d1	3.1235	6.006	0.52006327
Nfe2l1	44.0765	84.7545	0.520049083
Nxn	1.2805	2.4625	0.52
Ccdc48	2.313	4.4485	0.519950545
C330007P06Rik	5.666	10.8995	0.51984036
Gpd1l	14.642	28.1825	0.519542269
Fem1b	25.512	49.106	0.519529182
Ebpl	2.0035	3.8565	0.519512511
Rrp1b	2.797	5.3845	0.519453988
Ppapdc3	2.5165	4.845	0.519401445
Pacs2	26.354	50.749	0.519300873
Malt1	1.5585	3.002	0.519153897
Nxph1	10.776	20.76	0.519075145
Golga3	12.4	23.893	0.518980455
Mxd4	3.5555	6.851	0.518975332
Abcb7	2.8825	5.5575	0.518668466
Tmem2	1.609	3.1025	0.518614021
Olfir6l3	4.1995	8.0985	0.518552818
Nsun3	17.272	33.313	0.518476271
Lrrc6	2.8835	5.563	0.518335431
Nat8l	14.6125	28.203	0.51811864
Anapc16	17.647	34.072	0.517932613
Thtpa	4.877	9.4175	0.517865676
Hnrnpa3	36.861	71.207	0.517659781
Ankrd27	2.777	5.365	0.517614166
9430031J16Rik	4.958	9.5815	0.517455513
Zfp563	1.6175	3.126	0.517434421
Tnfrsf10b	2.4415	4.7185	0.517431387
Gpd2	8.0895	15.6355	0.51738032
Ric3	8.8395	17.086	0.517353389
Grk5	3.118	6.0285	0.51720992
Rgag1	1.87	3.616	0.517146018
Ssr3	24.0195	46.4545	0.517054322
0610007P08Rik	1.7385	3.364	0.516795482
Rdh9	2.2675	4.388	0.516750228
Zcchc11	5.3905	10.432	0.516727377
Dusp18	4.179	8.0885	0.516659455
Tead1	4.95	9.5815	0.516620571
Snrk	17.9365	34.722	0.516574506
Rnf169	9.9355	19.2345	0.51654579
Exoc8	3.316	6.423	0.516269656
AI848100	4.3565	8.441	0.516111835
Tinf2	1.242	2.4065	0.516102223
Plxdc2	9.679	18.755	0.516075713
N28178	16.164	31.3215	0.516067238
Rnf11	19.59	37.967	0.515974399
Atp11b	2.307	4.4715	0.51593425
LOC100503879	5.11	9.91	0.515640767
Xpnpep3	3.7595	7.2935	0.51545897
Nufip2	12.126	23.526	0.515429737
Camk2a	97.3095	188.8425	0.515294491
Ncoa6	16.8295	32.66	0.515293938
Camk1d	14.5875	28.3095	0.515286388
Shisa7	8.538	16.5705	0.51525301

BC032203	14.845	28.8115	0.515245648
Fktn	11.6585	22.6275	0.515235886
Ccdc75	5.2645	10.219	0.515167825
Gstz1	9.473	18.3895	0.515130917
Mcart1	25.5155	49.5355	0.515095235
Ddx21	2.1425	4.1595	0.515085948
Gpkow	11.374	22.086	0.51498687
Zfp507	3.576	6.944	0.514976959
I118r1	1.411	2.741	0.514775629
Abca6	1.199	2.33	0.514592275
Sgpp1	12.58	24.4745	0.514004372
Nrp1	2.6465	5.149	0.513983298
Caeng5	4.174	8.121	0.513976111
Gm14322	9.9915	19.44	0.513966049
Klra2	1.8015	3.5055	0.513906718
Supt71	15.722	30.602	0.513757271
Surf6	3.5795	6.9685	0.513668652
Cbfa2t2	7.431	14.468	0.513616257
Crbn	6.75	13.1435	0.513561837
Brip1	1.697	3.3055	0.51338678
Ube3a	11.1495	21.723	0.513257837
Cspp1	2.053	4.0005	0.513185852
Ttl	5.399	10.5225	0.513090995
Cadm2	8.395	16.362	0.513079086
Tmem214	7.393	14.41	0.513046495
Exog	2.657	5.1805	0.512884857
Phlpp2	4.983	9.7165	0.512838985
Ggps1	20.6965	40.358	0.512822737
Hdac9	7.435	14.5015	0.512705582
Slc6a7	11.042	21.538	0.512675272
Mapk7	2.0625	4.024	0.512549702
Tom112	63.4735	123.8845	0.512360303
Tmcc2	12.1105	23.6395	0.51229933
Tnrc6c	18.617	36.3565	0.512067993
Mef2a	11.727	22.9115	0.511839033
Txlna	3.412	6.6665	0.511812795
Ms4a6c	1.4205	2.7755	0.511799676
Meis2	14.227	27.803	0.51170737
Cdk7	9.6865	18.93	0.511701004
Nrarp	4.026	7.8685	0.511660418
Zswim6	5.8125	11.3615	0.51159618
1810013L24Rik	21.2145	41.4705	0.511556408
Bend4	5.091	9.9555	0.511375622
Trhr	2.2855	4.4705	0.511240353
Ccdc85a	8.611	16.8465	0.511144748
Tceb3	7.637	14.941	0.511143832
Nt5c3l	6.3675	12.4595	0.511055821
4933426M11Rik	2.4725	4.8385	0.511005477
Gbp2	2.6815	5.2475	0.511005241
Taf13	10.239	20.0405	0.510915396
Cybasc3	1.559	3.052	0.510812582
A630055G03Rik	4.4545	8.7215	0.510749298
Zc3h12b	5.624	11.0125	0.510692395
Sae1	22.7665	44.5895	0.510579845
Alkbh3	3.605	7.062	0.510478618

Crtc1	14.7975	29	0.510258621
Slc7a6	1.1695	2.292	0.510253054
Mad211bp	1.378	2.701	0.510181414
Rnpep	3.151	6.1775	0.510076892
Scamp1	68.3685	134.0815	0.509902559
Slc24a2	11.7595	23.0635	0.509874911
Zfp53	2.158	4.2325	0.509864146
Sufu	1.725	3.3835	0.509827102
Hpcal4	81.6945	160.244	0.50981316
BC046331	5.4215	10.636	0.509731102
Cdh11	15.465	30.3435	0.509664343
Creg2	12.631	24.7845	0.509633037
Als2	5.326	10.454	0.509470059
Tsc22d2	5.3565	10.514	0.509463572
Pgbd5	20.6125	40.468	0.509353069
Phf3	11.739	23.0505	0.509273118
Gm6636	1.1785	2.315	0.509071274
Paip1	4.3075	8.4615	0.509070496
Dcp2	10.6155	20.8545	0.509026829
Nsa2	15.3135	30.084	0.509024731
Myt11	32.4375	63.758	0.508759685
Fam46a	4.9595	9.751	0.508614501
Ccdc39	1.99	3.914	0.508431272
Celf2	22.383	44.0335	0.508317531
Acsf3	2.487	4.893	0.508277131
Phf2011	1.6085	3.165	0.50821485
Ildr2	11.426	22.483	0.5082062
Adpgk	1.956	3.849	0.508183944
Rasgef1a	16.238	31.957	0.508120287
Sh2d4a	1.6465	3.241	0.508022215
Rock2	18.354	36.134	0.507942658
Braf	15.744	30.9985	0.507895543
Luc7l2	26.5215	52.262	0.507471968
Sgce	9.4615	18.645	0.507455082
Kremen2	2.829	5.575	0.507443946
Sec14l1	7.8665	15.503	0.507417919
R3hdm1	37.2645	73.4585	0.507286427
Mtr	3.754	7.4005	0.507263023
Smg1	5.519	10.8835	0.5070979
Hivep3	5.1615	10.1835	0.506849315
Chgb	76.0565	150.0575	0.506849041
Arid5b	13.5475	26.729	0.506846496
Tmem43	3.9265	7.747	0.506841358
2810407C02Rik	22.735	44.859	0.506810228
Adam10	3.875	7.6465	0.506767802
Efcab1	1.692	3.339	0.506738544
Tsc1	6.9665	13.7495	0.50667297
Mtx3	18.2045	35.935	0.506595241
Setd7	25.174	49.693	0.506590465
Slc30a6	1.5285	3.018	0.506461233
Reps2	19.3025	38.1185	0.506381416
Ift122	2.1575	4.261	0.506336541
Arl5a	12.843	25.365	0.506327617
Tppp	71.6595	141.6265	0.505975224
Gatad2a	7.1125	14.061	0.505831733

Ftsj3	5.843	11.5515	0.505821755
Brdt	1.1545	2.2835	0.505583534
Asrgl1	22.6205	44.7505	0.505480386
Tbck	4.3705	8.649	0.505318534
Ttl17	19.002	37.614	0.50518424
Frmd6	1.3815	2.735	0.50511883
Eps8l3	3.2995	6.533	0.505051278
Btg3	3.86	7.643	0.505037289
Gm4841	2.083	4.1255	0.504908496
Pvr	1.1285	2.236	0.504695886
Fgd5	1.6305	3.232	0.504486386
LOC100503802	4.7935	9.502	0.504472743
E130308A19Rik	5.372	10.649	0.504460513
Pigq	11.3065	22.414	0.50443919
Tnrc6a	12.6045	24.992	0.504341389
Rc3h1	9.0055	17.865	0.504086202
Golga7	19.852	39.3965	0.503902631
Vps26a	21.912	43.4955	0.503776253
Tmem177	1.6105	3.1975	0.503674746
Gm9265	1.9585	3.8885	0.503664652
Csrp2bp	7.1365	14.17	0.503634439
Slc4a2	1.334	2.649	0.503586259
Cbx5	26.4015	52.4425	0.503437098
Entpd7	1.611	3.2005	0.50335885
Rbl2	9.71	19.291	0.503343528
Gclm	10.521	20.903	0.503324882
Ccar1	13.6405	27.121	0.502949744
Pan3	6.391	12.708	0.502911552
D5Erttd579e	4.8145	9.576	0.502767335
Ddx6	32.7865	65.2245	0.502671542
Ispd	1.5095	3.003	0.502664003
Myo9b	2.415	4.805	0.502601457
Crebbp	24.3305	48.411	0.502582058
Dhdh	15.664	31.1695	0.50254255
Ppm1h	10.2065	20.31	0.502535697
Smg7	20.353	40.502	0.502518394
Fam13b	18.16	36.142	0.502462509
Arhgap23	19.3055	38.428	0.502381076
Enoph1	11.8385	23.5675	0.502323114
Prop1	1.275	2.5385	0.502265117
Cdc37l1	17.625	35.104	0.502079535
Btg2	1.2165	2.423	0.502063558
Cd63	14.0715	28.0275	0.502060476
Cdc42bpa	36.0075	71.747	0.501867674
Dpy19l3	2.385	4.7525	0.501841136
Tmem69	16.241	32.377	0.501621521
Ddx27	3.1805	6.341	0.501577038
Strbp	7.07	14.0965	0.501542936
Nars2	2.287	4.56	0.501535088
Polr3f	3.051	6.0835	0.501520506
Pdzd4	8.868	17.683	0.501498614
Ift172	2.867	5.7175	0.501442938
N4bp1	33.718	67.246	0.501412723
Gm7689	14.273	28.4955	0.500886105
Pdpk1	25.966	51.841	0.500877684

Tmem151b	17.265	34.4765	0.500775891
Fam18a	9.015	18.003	0.500749875
Bloc1s3	5.471	10.9265	0.500709285
Neol	9.86	19.705	0.500380614
Rnf111	10.091	20.1765	0.500136297
Zfp521	6.906	13.8135	0.499945705
Hars2	2.098	4.1965	0.499940427
Dcaf17	1.327	2.655	0.499811676
Zc3h8	2.258	4.518	0.499778663
Moap1	2.6895	5.3815	0.499767723
Spsb4	1.0755	2.1525	0.499651568
Peli3	1.748	3.4985	0.499642704
Zfp276	1.3335	2.669	0.499625328
A130010J15Rik	2.8275	5.661	0.499470058
Sepsecs	1.433	2.8695	0.499390138
Dpy1914	2.829	5.665	0.499382171
Idi1	5.2325	10.48	0.499284351
0610007L01Rik	10.2485	20.5315	0.499159828
Mctp1	1.896	3.799	0.499078705
Psph	2.5845	5.181	0.498841922
Tmcc1	20.0175	40.133	0.49877906
Dennd5a	19.6865	39.4835	0.498600681
BC048403	2.3875	4.789	0.498538317
Rab15	20.6375	41.4075	0.498400048
Mudeng	1.1635	2.3345	0.49839366
Ddah1	39.151	78.5605	0.498354771
Atg10	4.706	9.446	0.498200296
Srsf2ip	7.2705	14.595	0.498150051
Slc20a2	8.3435	16.751	0.498089666
Ninj1	2.605	5.23	0.498087954
Foxp1	10.688	21.459	0.49806608
Ccdc144b	1.7545	3.5245	0.497801107
Ganc	1.799	3.616	0.497511062
Tnks2	8.059	16.204	0.497346334
Tmem189	2.724	5.4805	0.497034942
Tyms	3.687	7.4195	0.496933756
Ube2j1	43.977	88.4985	0.496923677
Ppfia4	3.5645	7.1745	0.496829047
Csad	2.3425	4.716	0.496713316
Slc41a2	3.895	7.8445	0.496526229
Lrrcc1	3.453	6.955	0.496477354
BC049807	1.7425	3.5115	0.496226684
Diap1	1.897	3.824	0.496077406
Wiz	4.1	8.2655	0.496037747
Rspry1	2.8975	5.8425	0.495934959
Osbp17	3.0825	6.2165	0.495857798
4430402I18Rik	1.574	3.1755	0.495669973
2610019F03Rik	12.4215	25.0645	0.4955814
Map3k5	2.266	4.5725	0.49557135
Sirt2	72.903	147.19	0.495298594
Zdhhc3	4.199	8.4795	0.495194292
Golga1	3.1695	6.4015	0.495118332
Atad2	1.317	2.661	0.494926719
Bicd2	4.997	10.0995	0.494776969
Shank1	35.8535	72.484	0.494640196

Lrrc1	2.289	4.629	0.494491251
Nop2	3.94	7.97	0.494353827
Hrsp12	5.963	12.0705	0.494014332
Phactr3	8.876	17.968	0.493989314
Aasdhppt	7.7045	15.5975	0.493957365
Galnt13	4.069	8.24	0.49381068
Tpx2	1.233	2.497	0.493792551
Iffo2	5.1805	10.4925	0.493733619
Spata13	3.0105	6.098	0.493686455
Thap2	4.071	8.2495	0.493484454
Ankrd54	1.0425	2.113	0.493374349
Ttc39c	3.0145	6.112	0.493210079
Uchl4	1.2915	2.619	0.493127148
Tmem196	18.815	38.157	0.493094321
Mtap7	7.532	15.2785	0.492980332
Pbrm1	8.1975	16.638	0.49269744
Magi3	8.7175	17.6945	0.492667213
Atp1b2	110.0255	223.349	0.492616936
Ilf1f9	5.995	12.17	0.492604766
Nktr	9.163	18.6015	0.492594683
Usp30	11.5255	23.398	0.492584836
Svip	5.183	10.523	0.49254015
Rtp4	6.443	13.0815	0.492527615
Pegf3	5.91	12.005	0.492294877
Ppp1r12b	3.9225	7.968	0.492281627
Rfx1	1.606	3.2645	0.491958952
Cyb5d1	4.1175	8.3715	0.491847339
1700054N08Rik	1.8465	3.755	0.491744341
Dkk3	4.881	9.927	0.491689332
Gpatch8	15.904	32.346	0.49168367
Arl5b	1.735	3.5295	0.491571044
Chrm5	1.6635	3.386	0.491287655
AI987944	1.0805	2.1995	0.491248011
Ttc26	1.7745	3.6135	0.491075135
Kcnk6	1.1525	2.347	0.491052407
Axin1	3.3075	6.737	0.490945525
Prune2	5.148	10.4995	0.490309062
Pbxip1	3.023	6.1655	0.490308977
5730494N06Rik	8.742	17.831	0.490269755
Cuedc1	2.808	5.7295	0.490095122
Coro1b	8.864	18.105	0.489588511
Gpatch4	14.928	30.4995	0.489450647
Mdm2	21.4035	43.7315	0.489429816
Efna5	10.598	21.6575	0.489345492
Recql	1.6455	3.3635	0.489222536
Rgs7bp	14.646	29.9555	0.488925239
Taf3	12.725	26.0375	0.488718195
Etv3	3.365	6.8865	0.488637189
Pcdh15	3.755	7.6855	0.488582395
Evi5	8.043	16.462	0.488579759
Cdc7	1.0835	2.2185	0.488393058
Zdhhc13	1.7775	3.6395	0.488391263
Aplf	5.2575	10.7685	0.488229558
Pi15	2.371	4.8595	0.487910279
Gm10914	1.723	3.5315	0.487894662

Scfd2	1.209	2.478	0.487893462
Celf4	354.951	727.8475	0.487672212
Lass4	4.8845	10.0185	0.487548036
Gm5409	1.806	3.7045	0.487515184
Gm10063	1.2635	2.592	0.48746142
Lnx1	3.109	6.378	0.487456883
Slc6a6	13.8045	28.3245	0.487369592
Mbnl2	44.9515	92.2395	0.487334602
Parvg	1.202	2.4675	0.487132725
Cyb5r3	38.984	80.0365	0.487077771
Ssh1	2.5985	5.335	0.487066542
Rhobtb3	2.523	5.1805	0.487018628
Mysm1	3.7215	7.643	0.486916132
Xrcc4	1.2435	2.554	0.48688332
Sirt1	1.2665	2.6025	0.486647454
Ftl1	133.49	274.3085	0.486641865
Fyco1	9.251	19.0155	0.486497857
Unc119b	1.47	3.022	0.486432826
Ppp1r15b	5.8565	12.04	0.486420266
Pgcp	1.0035	2.0635	0.486309668
Slc22a23	7.094	14.5905	0.486206778
Slc48a1	10.5925	21.7955	0.485994815
Gpt2	5.5735	11.4735	0.485771561
Zmym1	5.57	11.472	0.485529986
Fam169b	2.5225	5.1955	0.485516312
Zfp148	5.624	11.5895	0.485266836
Man2b1	3.769	7.767	0.485258143
Abcc1	1.2685	2.6145	0.48517881
Atf6	3.0355	6.2605	0.484865426
Map3k9	4.5975	9.484	0.484763813
AI314976	7.4755	15.4225	0.484713892
Rnf170	8.092	16.697	0.484637959
Chst8	1.4965	3.088	0.484617876
Trim44	44.2795	91.3985	0.484466375
Taf5	1.235	2.5495	0.484408708
Pcdhga8	1.6685	3.4445	0.484395413
Gm608	5.2245	10.7905	0.484175895
Hipk4	4.69	9.687	0.484154021
LOC100503637	4.085	8.44	0.484004739
2810021B07Rik	3.171	6.5525	0.483937428
Aim2	1.503	3.108	0.483590734
Med13l	4.284	8.8625	0.483385049
Mapk1ip1l	19.9975	41.389	0.483159777
Tbc1d15	4.0655	8.4145	0.483154079
Tada2b	5.9925	12.405	0.483071342
Rbm15	2.0095	4.1605	0.482994832
Iqce	1.867	3.8655	0.482990557
Mcph1	3.485	7.2155	0.482988012
Creb1	4.5935	9.511	0.482967091
Sp2	5.9655	12.3555	0.482821416
Synj2	6.3195	13.0965	0.482533501
Sap30bp	5.435	11.265	0.482467821
Zfp879	1.921	3.982	0.482420894
Mre11a	1.616	3.35	0.48238806
Lnx2	1.5145	3.1405	0.48224805

Syt15	1.3135	2.724	0.482195301
Mcfd2	8.1785	16.9665	0.482038134
Zfp180	5.2705	10.9365	0.481918347
Txnrd3	1.0435	2.1655	0.481874856
Nr3c1	6.7465	14.002	0.481824025
Fads2	8.495	17.631	0.481821791
Mtf2	6.028	12.516	0.481623522
Senp6	19.6705	40.845	0.481588934
Ugdh	5.732	11.904	0.481518817
Zbtb20	16.174	33.5935	0.481462188
Vmn1r58	7.82	16.2515	0.481186352
Skiv2l	9.152	19.02	0.481177708
Igsf3	2.389	4.965	0.481168177
Gm6710	1.65	3.4295	0.481119697
LOC100504016	1.4265	2.9675	0.480707666
Pet112l	2.037	4.2385	0.48059455
Oraov1	2.849	5.9285	0.480560007
Sun1	2.7875	5.801	0.4805206
Alg10b	3.711	7.727	0.480264009
Odf2l	1.5445	3.217	0.480105689
Spred3	9.0295	18.8075	0.480101024
Trim36	1.497	3.1185	0.48003848
Mvd	2.6705	5.564	0.47996046
Arl13b	1.0055	2.0955	0.479837748
Rgma	7.0805	14.76	0.479708672
Cenpc1	6.743	14.066	0.479382909
Oaz3	1.2205	2.546	0.479379419
Asb7	8.1225	16.949	0.479231813
Taf2	8.4435	17.62	0.479199773
Atxn713	8.4155	17.5625	0.479174377
Kdm4c	2.673	5.5785	0.479161065
Kdm3a	2.541	5.3035	0.479117564
Adat2	1.1605	2.423	0.478951713
Cdk16	24.4705	51.0955	0.47891693
Cpne7	3.446	7.196	0.478877154
Trim26	9.675	20.204	0.478865571
Stag2	2.489	5.198	0.478838015
Dtna	18.8505	39.3695	0.478809739
Rab30	2.956	6.182	0.478162407
Mlxip	3.7515	7.846	0.478141728
Tmem136	1.8895	3.9525	0.478051866
Zmpste24	4.3535	9.108	0.477986386
Sdr42e1	1.907	3.991	0.477825106
Prpf18	4.9965	10.4585	0.477745375
Sfrp1	3.802	7.9595	0.477668195
Ccdc58	2.446	5.121	0.477641086
Nxt2	6.8355	14.312	0.477606205
Mdn1	2.9175	6.1125	0.477300613
Ptprd	11.286	23.6495	0.477219392
Sh3bgrl	9.5935	20.106	0.477146126
Rfwd3	3.718	7.7925	0.477125441
Gpc1	2.577	5.4015	0.477089697
Zfp870	1.4655	3.072	0.477050781
Pds5a	5.6485	11.8455	0.476847748
Zfp612	38.365	80.4585	0.47682967



Zic2	3.369	7.069	0.476587919
Aldh2	5.296	11.1135	0.476537544
Mtmr12	3.614	7.586	0.476403902
Zfp799	7.1965	15.1095	0.476289751
Larp4b	17.288	36.313	0.476082946
Akap2	14.578	30.6255	0.476008555
Pold4	5.848	12.286	0.47598893
Fam135a	1.8235	3.8315	0.475923268
Spag9	20.4335	42.941	0.475850586
Leo1	20.918	43.9635	0.475803792
2410075B13Rik	1.389	2.9195	0.475766398
Eaf2	6.067	12.753	0.475731201
3110062M04Rik	1.141	2.3985	0.475713988
Sh3d19	1.9635	4.1275	0.47571169
Gm14288	6.082	12.787	0.475639321
Gpr45	2.4725	5.2	0.475480769
Itgb1bp3	1.7465	3.6745	0.475302762
Fkbp14	1.435	3.0195	0.475244246
Trim13	1.6975	3.572	0.475223964
Gm3667	1.222	2.5715	0.475209022
Tbl1xr1	8.6975	18.306	0.475117448
Capn2	14.416	30.353	0.474944816
Zfyve26	1.075	2.264	0.474823322
Tet3	5.8275	12.273	0.474822782
2010015L04Rik	4.4655	9.408	0.474649235
5730419I09Rik	8.4435	17.7905	0.474607234
Fam185a	3.9315	8.2875	0.47438914
Tyro3	1.673	3.5275	0.474273565
Slc24a6	1.0765	2.27	0.474229075
Hdhd3	2.4995	5.2715	0.474153467
Rabep1	10.4745	22.095	0.474066531
Heca	2.5505	5.3805	0.474026577
0610007P22Rik	5.592	11.798	0.47397864
Zfp821	3.8665	8.1595	0.47386482
Sema4b	2.246	4.7425	0.473589879
Cntn2	4.3015	9.0835	0.473550944
Pum1	13.8215	29.1955	0.473411998
Fam126b	9.776	20.6605	0.473173447
Chst3	1.3215	2.7935	0.473062466
Foxj2	7.4415	15.7375	0.472851469
Zfp871	16.7755	35.4875	0.472715745
Mllt3	12.805	27.093	0.472631307
Laptn4b	7.789	16.4935	0.472246643
C530008M17Rik	12.782	27.0665	0.472244287
Ldlrad2	1.814	3.8415	0.472211376
Tnfrsf13c	1.797	3.806	0.472149238
Unc5c	3.5435	7.508	0.471963239
Hook3	11.938	25.2955	0.47194165
Arhgef4	23.152	49.0745	0.471772509
4833439L19Rik	49.9995	105.985	0.471760155
Fgfr1op2	16.945	35.9235	0.4716968
Cds2	35.8475	76.0175	0.471569047
Slc23a1	1.9735	4.1865	0.471396154
Diap2	1.2735	2.7025	0.471230342
Zbtb5	1.1105	2.357	0.471149767

Mmd2	7.8345	16.629	0.471134765
Cbl	7.8485	16.659	0.471126718
Cntn3	2.781	5.9035	0.47107648
Ccdc97	14.069	29.868	0.471039239
Ica11	8.5765	18.2115	0.470938693
Hccs	3.172	6.7365	0.470867661
Snn	9.5975	20.383	0.470858068
Tnfsf10	1.092	2.3205	0.470588235
Leprot	3.9675	8.435	0.470361589
Tacc3	1.3275	2.823	0.470244421
Hs3st4	3.1195	6.638	0.469945767
Parva	9.306	19.8215	0.4694902
Slc25a15	1.162	2.4765	0.469210579
Alox8	4.0885	8.714	0.469187514
Eaf1	4.4565	9.4995	0.469129954
Npc1	7.832	16.7025	0.46891184
LOC100504453	1.4015	2.989	0.468885915
Nvl	5.3905	11.497	0.468861442
Doc2b	7.4895	15.974	0.46885564
Pstpip2	7.295	15.568	0.468589414
Rbbp9	8.6585	18.4835	0.468444829
Xkr6	2.243	4.7885	0.468413908
Txndc16	4.435	9.48	0.467827004
Gm4951	3.374	7.213	0.467766533
Ccdc109a	2.9955	6.405	0.467681499
Nap113	20.505	43.8485	0.467632872
Ppfia1	7.7075	16.4875	0.46747536
LOC100502613	4.901	10.485	0.467429661
Rpe	2.0705	4.4315	0.467223288
Zfp607	3.067	6.566	0.467103259
Eml3	1.469	3.1465	0.466867949
Chd1	1.96	4.199	0.466777804
Scai	3.4665	7.427	0.466742965
Papss2	4.954	10.614	0.466742039
Wipi1	4.281	9.177	0.466492318
Fam120a	12.28	26.3295	0.466397007
Elp4	2.9295	6.2825	0.466295265
Ahcy11	39.2055	84.0815	0.46627974
Zzz3	5.553	11.915	0.466051196
Zbtb26	1.497	3.2145	0.465702287
Dazap2	62.1985	133.608	0.465529759
Atp13a3	3.807	8.1785	0.465488782
Bbs7	2.152	4.6245	0.465347605
2210018M11Rik	16.033	34.4575	0.465297831
2810403A07Rik	10.6865	22.9755	0.465125895
Nipa1	4.1455	8.9145	0.465028886
C130039O16Rik	3.416	7.3465	0.464983325
Gm2506	2.6905	5.7865	0.464961548
Ccl27b	2.6905	5.7865	0.464961548
Sipa112	2.894	6.2245	0.464936943
Kcnj6	7.6805	16.521	0.464893166
Tbp	9.3615	20.137	0.4648905
Nudt10	4.603	9.9015	0.464879059
Lamp2	8.706	18.7275	0.464877853
Rps6ka6	4.307	9.266	0.464817613

Ccdc66	3.1655	6.813	0.464626449
Fbxl17	5.5585	11.9655	0.464543897
Rims1	6.904	14.867	0.464384207
Tulp4	33.111	71.346	0.464090489
Zscan18	5.8435	12.5925	0.464046059
Gria2	35.003	75.434	0.464021529
Cntln	3.461	7.46	0.463941019
Ipmk	6.3465	13.6805	0.463908483
Wdr26	12.3355	26.5905	0.463906282
Inhba	1.423	3.0675	0.463895681
Socs7	4.8705	10.501	0.46381297
Gm14326	9.382	20.2285	0.463801073
2210012G02Rik	4.897	10.564	0.463555471
Fli1	1.5195	3.28	0.463262195
Sil1	2.6605	5.743	0.46325962
Zfp300	1.5295	3.303	0.463063881
Rmnd5a	7.851	16.9595	0.462926383
Zfp212	1.4855	3.209	0.462916797
Klhdc5	4.0925	8.8425	0.4628216
Gm8008	1.015	2.1935	0.462730796
Clstn2	6.6795	14.435	0.462729477
6030422M02Rik	1.722	3.7225	0.462592344
Dgkh	2.654	5.7385	0.462490198
Fez1	33.871	73.237	0.46248481
LOC100504691	5.243	11.337	0.462468025
Tub	19.632	42.4675	0.462282922
Chordc1	14.6725	31.7425	0.462235174
Actr2	65.0665	140.786	0.462165982
Baz2a	4.8495	10.493	0.462165253
Lifr	2.5315	5.479	0.462036868
Palm2	15.062	32.616	0.461797891
Bgn	1.5915	3.4465	0.461772813
Poglut1	10.2945	22.2945	0.461750656
Tnpo1	4.4	9.533	0.4615546
Aldoc	145.5075	315.495	0.461203823
Nudt5	1.7255	3.7425	0.461055444
8030462N17Rik	4.641	10.0705	0.460851
Nkain2	6.1635	13.377	0.460753532
Hecw2	2.4895	5.407	0.460421676
Bdh1	3.135	6.8105	0.460318626
Zfp280c	3.5825	7.7865	0.460091183
Gabra2	5.4435	11.8325	0.460046482
Naa16	1.5105	3.2835	0.46002741
Tars2	1.107	2.4065	0.460004155
Mdp1	7.577	16.4735	0.45995083
Pcnt	1.783	3.878	0.459773079
Etl4	5.531	12.0305	0.45974814
Appl1	7.89	17.1625	0.459723234
Gm14149	18.6155	40.4945	0.459704404
Fam168a	33.3435	72.5725	0.459450894
Ifnar1	7.294	15.8775	0.459392222
Safb2	8.4615	18.421	0.459339884
Bdp1	4.143	9.021	0.459261723
Eno3	1.056	2.2995	0.459230267
Eps1511	29.8085	64.946	0.458973609

Tubgcp5	3.6115	7.8695	0.458923693
Atp8b2	2.8115	6.1265	0.458908023
Trip11	7.365	16.055	0.458735596
Gm5860	1.4475	3.1555	0.458722865
Nol10	4.277	9.326	0.458610337
Gm10856	2.025	4.417	0.458455966
Taf15	5.813	12.682	0.458366188
Hnrnpul2	34.794	75.924	0.458274064
Fam174b	3.27	7.1355	0.45827202
Cxxc5	13.232	28.887	0.458060719
Ankrd10	6.489	14.17	0.457939308
Dclre1c	6.561	14.3275	0.457930553
Khdrbs2	6.979	15.253	0.457549335
Clmn	6.1105	13.357	0.457475481
Map3k1	1.4765	3.229	0.45726231
Kcna6	12.6215	27.605	0.457217895
S100a11	11.6885	25.5645	0.457216061
Btbd16	2.336	5.1095	0.457187592
OTTMUSG00000016609	8.056	17.624	0.457103949
Hyal3	2.2345	4.8895	0.456999693
1200011118Rik	3.8005	8.317	0.456955633
Map3k11	3.8295	8.382	0.456871868
Dimt1	3.142	6.8775	0.456852054
Tfrc	3.107	6.8035	0.456676711
Cend1	10.075	22.0755	0.456388304
Pank3	5.683	12.455	0.456282617
Spopl	1.5575	3.4135	0.456276549
Fahd2a	3.2085	7.034	0.456141598
Mfap3	2.507	5.497	0.456066946
Rfx7	11.2745	24.7285	0.455931415
LOC100504226	11.0455	24.23	0.455860504
Cox11	4.495	9.8605	0.455859236
Solh	2.2565	4.951	0.455766512
LOC100503726	1.66	3.645	0.455418381
Wdfy2	1.166	2.561	0.455290902
Gm14217	18.2125	40.019	0.455096329
Gm9951	1.1915	2.6185	0.455031507
Wdfy1	2.4965	5.4865	0.455025973
Far1	5.399	11.867	0.45495913
Cxxc4	10.016	22.021	0.454838563
Acot11	3.78	8.311	0.454818915
Hjulp	3.171	6.9755	0.454591069
Tubb4	575.432	1265.829	0.454589048
Neu1	3.8455	8.4595	0.454577694
Ano4	2.8235	6.2135	0.454413776
Strn3	13.134	28.9055	0.454377195
Rab3c	50.9335	112.0965	0.454371903
Mgll	3.195	7.0325	0.454319232
Adal	3.8165	8.4015	0.45426412
Ceng1	5.744	12.646	0.454214771
N6amt1	15.0505	33.136	0.454203887
Pik3r1	13.13	28.911	0.454152399
LOC100504174	3.748	8.253	0.454137889
Gls	52.0655	114.659	0.454089954
Bmpr2	29.6985	65.4215	0.453956268

Luzp2	5.451	12.011	0.453833986
Nptx1	7.06	15.562	0.453669194
Negr1	26.646	58.741	0.453618427
Enox2	2.1565	4.7545	0.453570302
Asxl2	4.276	9.429	0.453494538
Decr1	1.3485	2.974	0.453429724
Serp1	5.9855	13.204	0.453309603
Irf2bp2	35.5645	78.518	0.452947095
Chd9	6.6755	14.74	0.452883311
Rg9mtd1	3.4015	7.5115	0.45283898
Igf1	1.2665	2.797	0.452806578
Ppp1cb	16.6005	36.677	0.452613354
Kctd6	4.3865	9.694	0.45249639
2810046L04Rik	5.8095	12.8405	0.452435653
Ttc9c	10.5555	23.365	0.451765461
Fbxl20	3.48	7.704	0.451713396
Gxylt1	3.2215	7.138	0.451316895
Src	2.7555	6.106	0.451277432
Phkb	3.1145	6.902	0.451246016
Atxn1	6.8065	15.085	0.451209811
Mpp6	14.495	32.1355	0.451058798
4933427D14Rik	2.5125	5.5725	0.450874832
Cbfb	4.996	11.083	0.450780475
Gpr157	1.681	3.7295	0.450730661
Ctnnd1	5.286	11.728	0.450716235
Eml1	6.6275	14.7175	0.450314252
Etnk1	34.967	77.6715	0.450190868
Enpp4	2.3905	5.31	0.450188324
Ptpn1	2.989	6.6405	0.450116708
Th	7.024	15.607	0.450054463
LOC100503059	2.8255	6.2815	0.449812943
1500012F01Rik	16.734	37.213	0.449681563
Zfp780b	4.002	8.906	0.449359982
Ipo11	4.5355	10.094	0.449326332
Twistnb	2.367	5.2715	0.449018306
Gm13298	6.9835	15.5545	0.448969752
Caml	3.5495	7.906	0.448962813
Gpr89	3.499	7.794	0.448935078
E430029J22Rik	3.0085	6.7025	0.448862365
Utp3	47.4755	105.7715	0.448849643
Hexb	7.064	15.7425	0.448721613
Ctbp2	5.569	12.4165	0.448516087
A430078G23Rik	3.2355	7.216	0.448378603
Tacc1	8.2985	18.508	0.448373676
1700025G04Rik	12.1555	27.117	0.448261238
Mlec	15.4245	34.4105	0.448249807
Pclo	19.5975	43.733	0.448116983
Ttc8	7.07	15.7815	0.447992903
Bach2	1.812	4.0455	0.44790508
Prrg4	1.5385	3.435	0.447889374
Stau1	17.2285	38.469	0.447854116
Rbck1	5.999	13.396	0.447820245
Slain2	3.665	8.1845	0.447797666
Bace1	7.6125	17.0015	0.44775461
Josd2	9.0245	20.1605	0.447632747

Uprt	4.3615	9.745	0.447562853
Tram1	6.8995	15.416	0.447554489
Myst4	8.57	19.149	0.447542953
Psmb8	6.093	13.6215	0.447307565
Nedd9	1.551	3.4685	0.447167363
Lipe	1.269	2.839	0.446988376
Rela	2.2445	5.0215	0.446977995
1200016B10Rik	1.7555	3.928	0.446919552
Tax1bp1	19.7475	44.2115	0.446659806
Eps15	29.8945	66.998	0.446199887
Gm8159	1.51	3.3845	0.446151573
Ppp2r3a	4.7525	10.6545	0.446055657
Fnip2	2.638	5.918	0.445758702
Gucy1a2	4.8445	10.868	0.445758189
Lca5	1.2355	2.774	0.445385725
Pitpnc1	9.772	21.945	0.445295056
Ulk2	6.405	14.3865	0.44520905
Ccdc153	1.7725	3.9835	0.444960462
Kcna1	5.537	12.4475	0.444828279
Rac2	2.7225	6.121	0.444780265
Dixdc1	8.278	18.615	0.444695138
Tmem206	3.969	8.928	0.444556452
B3gatl	1.638	3.685	0.444504749
Add2	20.0545	45.1235	0.444435826
Zfp664	29.724	66.905	0.444271729
Pfkfb2	6.3985	14.4025	0.444263149
C3ar1	1.6055	3.614	0.444244604
Rapgef1	16.7015	37.6005	0.444182923
2900026A02Rik	4.4035	9.9145	0.444147461
Tbcd	5.175	11.6545	0.444034493
Gbp4	1.5995	3.603	0.443935609
Akt3	14.193	31.979	0.443822509
Acbd3	8.3515	18.819	0.443780222
Taok1	9.9145	22.3415	0.443770562
Utp14a	2.467	5.5595	0.443744941
Rnf24	5.419	12.2165	0.443580404
Heatr3	3.9475	8.8995	0.443564245
Klhl21	5.4355	12.255	0.443533252
Ppp1r12a	12.834	28.94	0.443469247
Csnk2a2	5.45	12.2935	0.443323708
Samd4b	13.952	31.4785	0.443223152
Klhl20	8.08	18.2305	0.443213296
Mfhas1	4.8105	10.854	0.443200663
F11r	1.0685	2.4115	0.443085217
Ccnyl1	2.16	4.875	0.443076923
Vti1a	15.641	35.3085	0.442981152
Lactb2	4.225	9.538	0.442964982
Ikzf4	3.3875	7.6485	0.4428973
Slc25a35	1.8575	4.197	0.442578032
Gm3405	1.6545	3.739	0.442497994
Trp53bp2	9.9175	22.4185	0.442380177
Rims2	8.9425	20.2185	0.44229295
LOC100504323	1.8105	4.0955	0.442070565
Plekha1	14.761	33.3915	0.442058608
Ascl1	4.068	9.2035	0.442005759

D17Wsu92e	24.574	55.5975	0.441998291
Pigb	6.199	14.0325	0.4417602
Fem1c	4.129	9.347	0.441746015
Ankib1	7.7275	17.498	0.4416219
Gm14420	14.5355	32.9265	0.441452933
Xpo5	6.3795	14.4545	0.441350444
Taf1d	3.1925	7.2345	0.441288271
Samd4	13.7225	31.1015	0.441216662
Twf1	14.3965	32.6325	0.441170612
Trmt2a	3.4305	7.7765	0.441136758
Klf16	1.257	2.8495	0.441130023
Rgs17	27.6105	62.603	0.441041164
Zfp238	3.7605	8.528	0.440959193
BC019943	4.516	10.2455	0.440778879
Btd	2.11	4.7905	0.440455067
Smox	4.621	10.493	0.440388831
Akr1b3	21.7445	49.377	0.440377099
Dpp8	13.7	31.1145	0.440309181
Fat3	3.698	8.4	0.440238095
Arid4a	12.137	27.597	0.439794181
Slc38a2	12.996	29.561	0.439633301
Ddx3y	2.8125	6.398	0.439590497
Lonrf3	1.5325	3.488	0.439363532
Fars2	1.367	3.1115	0.43933794
Acot2	6.428	14.632	0.439311099
Ppapdc2	8.0835	18.406	0.439177442
Synrg	17.542	39.951	0.439087883
Mxi1	5.9395	13.534	0.438857692
Slc31a2	4.277	9.75	0.438666667
Arfp1	4.022	9.1705	0.43858023
Zfp7	2.5605	5.8385	0.438554423
Gpatch1	10.1305	23.1015	0.438521308
Ctage5	5.27	12.0215	0.438381234
Cenpb	2.138	4.8775	0.438339313
Lrrc8c	3.7615	8.583	0.438250029
Gca	6.7415	15.3895	0.438058416
Rhag	1.099	2.51	0.437848606
Rgs8	35.125	80.2245	0.437833829
Ezr	1.8975	4.3365	0.437564856
Myef2	10.9535	25.057	0.437143313
Atm	1.053	2.409	0.437110834
Gm3325	4.668	10.6835	0.436935461
Uimc1	1.315	3.011	0.436731983
Syne1	12.519	28.6665	0.436711841
Dffa	9.292	21.278	0.436695178
Gm14340	8.396	19.2285	0.436643524
Ric8b	14.964	34.2745	0.436592802
Heatr6	3.377	7.7355	0.436558723
Ptpn21	1.4005	3.209	0.436428794
Rundc1	8.2835	18.981	0.436410094
3110057O12Rik	2.2605	5.181	0.436305732
Cdkl2	9.099	20.8565	0.436266871
A730037C10Rik	1.233	2.827	0.436151397
Strn	7.56	17.3425	0.43592331
Esyt2	1.906	4.3735	0.435806562

Psd2	22.9775	52.7385	0.435687401
C330019G07Rik	7.499	17.213	0.435659095
Zfp58	1.033	2.3715	0.435589289
C80913	10.0495	23.077	0.435476882
Plin3	2.107	4.8405	0.435285611
Serpini1	6.89	15.8355	0.435098355
Mapkapk2	3.3365	7.669	0.435063242
2010106G01Rik	3.7585	8.639	0.435061928
Adat1	1.5325	3.523	0.434998581
Fam129b	1.294	2.9755	0.434884893
Akap7	5.1235	11.785	0.43474756
Mex3b	1.1475	2.641	0.43449451
Fbxw2	7.709	17.744	0.434456718
Ctxn3	1.406	3.2365	0.434419898
B3galt2	1.974	4.5445	0.434371218
Pskh1	1.3595	3.13	0.434345048
Etv6	2.231	5.1365	0.434342451
Sh2b3	1.1995	2.762	0.434286749
Mboat2	2.213	5.098	0.434091801
Gla	3.128	7.209	0.433902067
H2afv	4.955	11.4205	0.43386892
Ppm1f	7.2785	16.7805	0.433747505
Zfp345	1.8035	4.1585	0.433690032
Ubxn10	1.0015	2.31	0.433549784
Eif4e3	4.3875	10.121	0.433504594
Ino80	2.2235	5.1295	0.433473048
Gm5081	1.59	3.6685	0.433419654
Sytl2	4.0685	9.391	0.433233947
Aggf1	13.7355	31.7185	0.433043807
Erbb4	4.8015	11.098	0.432645522
Ankzf1	1.299	3.003	0.432567433
Gatsl2	32.357	74.819	0.432470362
A230046K03Rik	4.204	9.7255	0.432265693
F2r	1.5105	3.4945	0.43225068
Ntsr1	1.4785	3.422	0.432057276
Zadh2	2.3725	5.4915	0.432031321
Tysnd1	1.3445	3.113	0.43189849
Ikbkg	2.1475	4.9725	0.431875314
Zfp459	2.252	5.2165	0.431707083
Fbrs11	3.0955	7.1715	0.431639127
9930021J03Rik	12.5655	29.112	0.431626134
Tm9sf1	3.5975	8.3375	0.431484258
Mterfd2	2.3565	5.4625	0.431395881
Glcc1	2.6635	6.1745	0.431370961
Nfat5	5.4105	12.548	0.431184252
Tecpr1	2.1485	4.9855	0.430949754
Tmem183a	10.252	23.792	0.430901143
D130062J21Rik	1.522	3.533	0.430795358
Atxn3	2.239	5.1975	0.430784031
Srsf12	10.213	23.728	0.430419757
Rimklb	6.8565	15.9325	0.430346775
Ccm2	7.3495	17.0785	0.430336388
Cog2	2.581	5.9985	0.430274235
1810031K17Rik	1.98	4.603	0.430154247
Dbt	3.6425	8.4685	0.430123398



Pbx1	37.1915	86.53	0.42981047
Hist1h1c	4.179	9.725	0.429717224
Stx4a	53.4025	124.2815	0.429689857
P2rx4	1.4325	3.334	0.429664067
2310001H12Rik	3.335	7.763	0.429601958
Pus7	1.6955	3.948	0.429457953
5730455P16Rik	14.8195	34.5285	0.429196171
Hs3st1	2.8995	6.759	0.428983577
Baz2b	6.2205	14.504	0.428881688
Rnf114	15.9955	37.3065	0.428759063
Vps13a	1.142	2.664	0.428678679
Pitrm1	3.5955	8.3925	0.428418231
Chac2	3.504	8.181	0.428309498
Scd2	70.9905	165.754	0.428288307
Nos1	3.7415	8.739	0.428138231
Ctla2a	2.5695	6.008	0.42767976
Ccdc41	3.8845	9.0865	0.427502339
Klf5	3.6595	8.561	0.427461745
Arid4b	6.9555	16.285	0.427110838
Zfp442	1.0515	2.462	0.427091795
Rpap2	5.604	13.125	0.426971429
Aheyl2	11.5095	26.9565	0.426965667
Usp18	3.481	8.153	0.426959401
Katnal1	17.1595	40.196	0.426895711
Enho	4.9345	11.561	0.426822939
Fbxo30	1.21	2.835	0.42680776
Hnrpd1	18.0055	42.2095	0.426574586
Nek4	3.086	7.235	0.426537664
Fam163a	1.275	2.991	0.426278837
Atp6v0e	4.992	11.7115	0.426247705
Prdm16	1.538	3.6085	0.426215879
Phactr2	5.5875	13.1125	0.426120114
Lrrn4cl	2.669	6.2645	0.42605156
Utp6	7.6345	17.922	0.425984823
Ptpn4	4.818	11.322	0.42554319
Pik3c2a	2.2535	5.296	0.425509819
Slc39a3	1.798	4.226	0.425461429
Napb	78.945	185.676	0.425176113
Brf1	3.047	7.1665	0.425172678
Ctdspl	3.944	9.279	0.425045802
Cmah	3.184	7.4945	0.424844886
LOC100504155	3.3095	7.791	0.424785008
Dak	2.0785	4.8935	0.424747114
Slc25a42	7.1835	16.916	0.424657129
Zfp316	2.324	5.475	0.424474886
Pip4k2c	7.8545	18.5045	0.424464319
Gpr172b	1.1265	2.654	0.424453655
Zfp617	6.1435	14.474	0.424450739
Cyld	10.768	25.374	0.424371404
Sox12	1.802	4.2465	0.424349464
B3galt1	3.3875	7.9835	0.424312645
Tbc1d5	3.87	9.125	0.424109589
Etfdh	4.6085	10.8705	0.423945541
Ptpre	6.6565	15.7075	0.42377845
Gm4478	4.8865	11.552	0.423000346

Mtus2	5.2435	12.396	0.422999355
Cyth1	3.6555	8.648	0.42269889
Irf2	5.664	13.4015	0.422639257
Nacad	4.6795	11.0725	0.422623617
Mboat4	1.639	3.88	0.42242268
Spag1	1.3875	3.285	0.422374429
Homer1	6.5655	15.553	0.422137208
Psd3	17.87	42.3415	0.422044566
Mfn1	6.7305	15.952	0.421922016
Aloxe3	3.084	7.3105	0.42185897
C920016K16Rik	3.128	7.417	0.421733855
Tpm4	6.893	16.3525	0.421525761
Stk10	1.295	3.0725	0.421480879
Adck1	1.679	3.984	0.421435743
Ikbkb	1.7425	4.1365	0.421249849
Skp2	1.199	2.8475	0.421071115
Samm50	10.917	25.928	0.421050602
Fam199x	2.377	5.647	0.420931468
Gss	3.1285	7.434	0.420836696
Bcar1	7.5555	17.973	0.420380571
Naga	3.009	7.1595	0.420280746
Gm10277	1.1435	2.724	0.419787078
Zkscan4	1.1995	2.8575	0.419772528
Dcdc2c	3.5305	8.4115	0.419722998
Spred1	7.515	17.908	0.419644851
Gm10521	1.177	2.805	0.419607843
Uvrag	4.528	10.7915	0.419589492
Mtmr10	1.953	4.6555	0.419503813
Nfic	10.961	26.162	0.41896644
Stat5b	3.5125	8.3845	0.418927783
Rnd2	18.761	44.7875	0.418889199
2200002K05Rik	3.1335	7.4845	0.418665241
Fam116a	6.2105	14.8355	0.418624246
Sgcz	1.116	2.666	0.418604651
Mtfr1	2.1265	5.08	0.418602362
Ttc39a	2.4295	5.8075	0.418338356
Bbx	9.2925	22.2175	0.418251378
2610002M06Rik	7.004	16.763	0.417824972
Rab34	2.109	5.049	0.417706477
Rbm22	4.8785	11.68	0.417679795
Rnasel	31.2725	74.9405	0.417297723
Akap9	12.976	31.096	0.417288397
Tob2	5.709	13.6875	0.41709589
Pex12	2.9095	6.976	0.417072821
Crtc2	2.9085	6.975	0.416989247
Il18	2.46	5.8995	0.41698449
Fgf1	24.051	57.7175	0.41670204
Cd209c	4.582	10.998	0.416621204
Ubt2	3.183	7.641	0.416568512
Tgfbrap1	6.0255	14.471	0.416384493
Tdrkh	2.924	7.0225	0.416375934
Zfp488	14.5035	34.838	0.416312647
Icmt	3.822	9.1815	0.416271851
Shisa6	2.0085	4.825	0.41626943
Wdr78	1.645	3.953	0.416139641

Vps13d	3.818	9.178	0.41599477
Nup35	2.007	4.825	0.415958549
Lin7a	11.318	27.2195	0.415804846
Gpsm1	2.686	6.46	0.415789474
Cnga3	1.003	2.414	0.415492958
Cep70	1.435	3.4555	0.415279988
H2-M3	1.3705	3.3005	0.415240115
Wdr46	5.1385	12.3805	0.415047858
5031439G07Rik	8.4075	20.28	0.414571006
Zfp384	5.002	12.066	0.41455329
Gm16485	2.8575	6.893	0.414550994
Cwc22	3.0185	7.2815	0.414543707
Nfil3	2.1985	5.309	0.414108118
Ipcef1	3.1455	7.5995	0.41390881
Gatad2b	43.8125	105.8555	0.413889689
Cdc40	5.866	14.1745	0.413841758
Gm4925	1.3605	3.289	0.413651566
Diras2	25.9795	62.81	0.413620443
Prima1	2.5485	6.164	0.413449059
Gm6307	2.443	5.9095	0.413402149
Jhdm1d	2.369	5.7335	0.413185663
LOC100504300	2.4685	5.978	0.412930746
Skil	8.518	20.6335	0.412823806
Pemt	1.123	2.7215	0.412640088
Gm2004	2.5835	6.263	0.412501996
Rnd3	11.275	27.335	0.412474849
Irf3	2.7875	6.758	0.412474105
Arap2	2.205	5.3475	0.412342216
Abl2	2.4765	6.0065	0.412303338
Krr1	8.241	19.993	0.412194268
Tmem161a	1.3885	3.3695	0.412078943
Coq10b	2.8465	6.9085	0.41202866
Cep250	1.6915	4.1055	0.412008282
Hipk3	8.914	21.6395	0.411931884
Tubgcp4	4.8895	11.877	0.411678033
Sox2	3.5545	8.6355	0.411614846
LOC100503670	18.635	45.275	0.411595803
Tet2	4.9815	12.1155	0.411167513
Rbm12	3.408	8.2925	0.410973771
Phka1	1.36	3.3105	0.410814076
Pde7a	1.212	2.9505	0.410777834
Cebpg	6.8375	16.653	0.410586681
Prr5	11.1335	27.1255	0.410444047
Zxdc	3.643	8.88	0.410247748
Hip1	2.0255	4.9375	0.410227848
Bms1	4.219	10.2865	0.410149225
LOC100502648	1.3195	3.218	0.41003729
Rnf166	8.2575	20.142	0.409964254
Sypl	2.3405	5.7115	0.409787271
Snx15	6.7355	16.4375	0.409764259
Wnt5a	1.0125	2.472	0.409587379
Lzic	3.57	8.726	0.409122164
Cdh7	1.254	3.0655	0.409068667
Ubr7	4.0005	9.7805	0.409028168
Sltn	10.738	26.255	0.408988764

Amotl1	13.3385	32.625	0.408842912
Rb1	2.997	7.332	0.408756137
Kcnk2	7.674	18.7815	0.408593563
Fxyd1	6.761	16.551	0.408494955
Lats1	6.845	16.762	0.408364157
Fosl2	1.984	4.862	0.408062526
Stc1	2.1365	5.2405	0.407690106
Klf7	31.2835	76.748	0.407613228
Cxcr2	4.4585	10.9395	0.407559761
Zbtb33	2.129	5.225	0.407464115
C4b	5.275	12.949	0.407367364
Fam178a	10.0805	24.753	0.407243566
H2-T24	5.745	14.112	0.40710034
Tcp1l12	3.0505	7.494	0.407058981
Hmgb2	1.0165	2.4985	0.406844106
Dido1	6.159	15.1385	0.406843479
Gje1	2.017	4.9625	0.406448363
Xrcc6	1.8755	4.615	0.406392199
Il6st	6.755	16.6225	0.406376899
Safb	14.4555	35.5725	0.406367278
Rbm6	3.6495	8.9815	0.406335245
Slc30a4	1.3025	3.2075	0.406079501
Cxcl14	1.876	4.622	0.405884898
Oprk1	1.754	4.323	0.405736757
Cttnbp2nl	4.8185	11.8795	0.405614714
Myh7	1.44	3.551	0.405519572
Irak1	4.297	10.597	0.40549212
Satb1	6.147	15.1665	0.405301157
Gpld1	7.515	18.542	0.405296085
Lmtk2	7.965	19.6565	0.405209473
Zfp109	3.6135	8.923	0.404964698
Tmem82	1.296	3.2015	0.404810245
Sh3pxd2a	1.2545	3.101	0.40454692
Cntrob	1.4055	3.4745	0.404518636
Ubxn7	6.0435	14.941	0.404490998
Ogfr11	11.7765	29.127	0.404315583
Gpd1	2.888	7.1435	0.404283614
Numb	3.1205	7.722	0.404105154
Zfp790	2.9	7.1765	0.404096705
Skint4	3.9715	9.8285	0.404079972
Slc6a8	9.7385	24.104	0.40402008
Hmgcll1	1.5965	3.9525	0.403921569
Ifi2711	22.525	55.821	0.403521972
Calcoco1	14.7185	36.4865	0.403395777
Dbnnd2	10.4655	25.9595	0.40314721
Creg1	5.428	13.4745	0.402834985
Fezf1	3.7715	9.368	0.402593937
A230103J11Rik	2.435	6.0495	0.402512604
Prkaa1	7.7315	19.2115	0.402441246
Mier1	2.3375	5.8105	0.40228896
Tjp1	8.7305	21.7065	0.402206712
H2-T23	10.658	26.5085	0.402059717
Rassf3	1.015	2.527	0.40166205
Rps6ka1	1.4845	3.7	0.401216216
Prr16	4.666	11.6405	0.400841888

Pcdhgc3	4.021	10.0345	0.400717525
Pou3f4	1.424	3.554	0.400675295
Phrf1	3.6965	9.226	0.400661175
Dcbld1	1.033	2.5785	0.400620516
Ap4m1	1.6035	4.006	0.400274588
9630025I21Rik	3.1955	7.9835	0.400263043
Fam102a	12.4075	31.0005	0.40023548
Map4k4	7.3575	18.3915	0.400048936
Akap8	7.2985	18.27	0.399480022
Mobkl1a	2.0775	5.206	0.399058778
Zfp280d	8.591	21.539	0.398857886
Spc24	5.4625	13.7015	0.398678977
Rhoh	1.301	3.264	0.398590686
Arrdc1	1.6005	4.0175	0.398382078
5430427O19Rik	1.6555	4.157	0.398243926
Ick	4.216	10.589	0.398149023
Cmtm4	2.5885	6.5025	0.398077662
4933403F05Rik	3.09	7.7635	0.398016359
Mpp5	7.4395	18.6995	0.397844862
Lrrc16a	3.626	9.1145	0.397827637
Ado	3.442	8.6545	0.397712173
Foxn2	1.233	3.1035	0.397293378
Helz	10.9865	27.667	0.397097625
Sec63	3.1025	7.8145	0.397018363
Mast3	13.176	33.2	0.39686747
Stk11ip	1.3305	3.353	0.396808828
Abhd5	2.944	7.421	0.396712033
Zfp605	4.3765	11.034	0.396637665
Dusp16	1.284	3.2375	0.396602317
Spast	5.2785	13.311	0.396551724
Arrdc3	4.8845	12.318	0.396533528
E130311K13Rik	5.757	14.5195	0.396501257
Hif1an	1.3905	3.5075	0.396436208
Atp11a	4.6805	11.807	0.39641738
Fth1	521.246	1315.8555	0.396127082
Lysmd4	2.7535	6.953	0.396016108
Tmx3	3.1305	7.9065	0.395940049
Mapk8	8.678	21.918	0.395930286
Stk4	5.3245	13.4525	0.395800037
Mgea5	27.6885	69.978	0.395674355
Slc6a9	4.272	10.797	0.395665463
Crnk11	2.383	6.024	0.395584329
Fnip1	1.788	4.523	0.395312845
Mapre1	7.7555	19.6255	0.395174645
Prim1	1.7725	4.4875	0.394986072
LOC100502756	1.498	3.7935	0.394885989
Prex2	1.7735	4.4915	0.394856952
Gpc6	1.064	2.695	0.394805195
Rhoc	1.266	3.2075	0.394699922
Rnf20	5.024	12.7315	0.39461179
Invs	1.2475	3.162	0.394528779
Vrk3	2.1215	5.381	0.394257573
Nfib	2.5325	6.4235	0.394255468
Zfyve27	2.5155	6.3815	0.39418632
Cx3cr1	1.13	2.867	0.394140216

Cplx2	41.752	105.933	0.394135916
4933439F18Rik	8.0185	20.3585	0.39386497
Kcnq3	5.0365	12.791	0.39375342
Myrip	6.9975	17.779	0.393582316
D11Wsu47e	1.736	4.415	0.393204983
Cdc42ep1	2.0605	5.2425	0.393037673
Topors	4.472	11.384	0.392832045
Pdia4	4.2065	10.7165	0.392525545
Usp31	12.645	32.2205	0.39245201
Fam82b	1.1555	2.9445	0.392426558
Med20	6.493	16.5545	0.392219638
Prkaa2	4.599	11.731	0.392038189
Pip4k2a	30.2855	77.262	0.391984417
Hdac4	5.4225	13.834	0.391969062
5930434B04Rik	8.0935	20.6515	0.391908578
Mvk	2.0475	5.226	0.391791045
2700089E24Rik	37.04	94.5845	0.391607504
Pcmd2	4.5225	11.556	0.39135514
Cd300a	3.168	8.095	0.391352687
St3gal2	4.7625	12.172	0.391266842
Ripply3	2.0245	5.1755	0.391169935
Zfp800	4.3315	11.074	0.391141412
Usp40	1.8355	4.693	0.391114426
Lgtn	2.2875	5.8505	0.390992223
Lrrc58	20.334	52.0155	0.390921937
Tmem47	29.734	76.0655	0.390899948
LOC100502781	14.436	36.9335	0.390864662
Nkd2	1.218	3.1165	0.390823039
Tcf20	30.36	77.688	0.390793945
Gm10765	1.553	3.975	0.390691824
Gigyf2	8.4675	21.6805	0.390558336
Cgn	1.1545	2.9625	0.389704641
Rbms1	3.3935	8.709	0.389654381
Man2a2	1.05	2.6955	0.389538119
Frmf5	5.728	14.7085	0.389434681
Nav2	5.102	13.118	0.38893124
Arl6ip6	1.512	3.889	0.388788892
E030030I06Rik	4.0955	10.5415	0.388512071
Birc5	2.521	6.4895	0.388473688
Ercc6	2.522	6.4925	0.388448209
Inf2	2.821	7.263	0.388406994
Nt5c1a	1.47	3.785	0.388375165
Zscan22	3.6335	9.3565	0.388339657
Trim65	1.356	3.494	0.388093875
Lrrc45	2.4735	6.374	0.388060872
Ankrd28	3.7275	9.607	0.387998335
Mxd1	3.198	8.243	0.387965547
Rg9mtd2	2.227	5.742	0.387843957
Zfp423	9.4535	24.3985	0.387462344
Acad8	1.72	4.447	0.386777603
Tbc1d12	1.375	3.559	0.386344479
Ptpn12	5.728	14.8285	0.386283171
Fhod3	2.2135	5.7315	0.386199075
Ccdc55	18.2395	47.2305	0.38618054
0610030E20Rik	1.2875	3.335	0.386056972

Eif2c3	3.276	8.4945	0.38566131
Acer1	1.0125	2.628	0.385273973
Fbxw9	1.236	3.209	0.385166719
Eef2k	1.6225	4.214	0.385026103
Ccdc19	1.385	3.5985	0.38488259
Erich1	5.988	15.5695	0.384598092
Smurf2	7.5355	19.5975	0.384513331
Sh2d5	4.732	12.3065	0.38451225
Zeb1	18.2465	47.489	0.384225821
Atp9b	1.975	5.15	0.383495146
Samd8	4.4085	11.499	0.383381164
Wsb1	7.1195	18.5705	0.383376861
Syt15	1.1295	2.9465	0.383336162
Gm9924	1.2345	3.2215	0.383206581
Elmod3	1.8685	4.878	0.38304633
Ncoa2	11.649	30.4245	0.382882217
Gm1968	1.3405	3.503	0.382671995
Trove2	5.9845	15.6425	0.382579511
Tgfb2	1.685	4.4065	0.382389652
Gm5113	6.479	16.9525	0.382185518
Alkbh8	6.8965	18.046	0.382162252
Crat	3.357	8.785	0.382128628
Ubxn2a	27.115	70.971	0.38205746
Gfod1	4.248	11.124	0.381877023
Cdh20	2.696	7.06	0.381869688
Ntrk2	26.46	69.2965	0.381837467
Rsph4a	2.0535	5.3795	0.381726926
Sass6	1.7635	4.623	0.381462254
Prkrir	3.795	9.95	0.381407035
Smad7	3.6835	9.6595	0.381334438
Ankhd1	3.428	8.9915	0.381248957
Rtn4	46.4995	121.9925	0.381166875
Ypel2	8.72	22.879	0.381135539
Arpp21	7.621	19.9985	0.381078581
Car5b	1.661	4.3595	0.381006996
Plin2	1.4085	3.699	0.380778589
Lrch3	4.1175	10.8175	0.380633233
Fam20b	7.1865	18.881	0.38062073
LOC100502599	1.021	2.6825	0.380615098
Isy1	8.6685	22.7785	0.380556226
Zbtb7a	34.624	90.992	0.380516969
Slc22a15	1.45	3.811	0.380477565
Cml1	1.999	5.2565	0.380291068
Rpap1	1.001	2.634	0.380030372
Yeats2	3.2555	8.5675	0.379982492
Slk	6.7535	17.7875	0.379676739
LOC100503989	8.414	22.1675	0.379564678
Lix1l	5.002	13.179	0.379543213
Cr1l	1.856	4.893	0.379317392
Gm9931	4.4845	11.8255	0.379222866
Wwc2	1.573	4.1515	0.378899193
Id2	7.1125	18.773	0.378868588
Wipf3	9.724	25.6755	0.378726802
Ing1	5.3145	14.0375	0.378593054
Cdc42ep2	3.609	9.536	0.37846057

Il17ra	1.567	4.1415	0.378365327
Ap1ar	26.214	69.321	0.378153806
Tmie	10.868	28.782	0.377597109
Nebl	3.3275	8.8125	0.377588652
Megf9	4.102	10.866	0.377507823
Itsn1	12.892	34.155	0.377455717
1810012P15Rik	9.3305	24.725	0.377371082
Abcd2	1.305	3.459	0.37727667
2810021J22Rik	1.629	4.3185	0.377214311
Rcor3	5.5105	14.61	0.377173169
4932411E22Rik	2.9795	7.9005	0.37712803
Leng8	9.608	25.4815	0.377057866
Nfkb1	1.649	4.3745	0.376957367
Hipk2	21.9235	58.177	0.376841363
Ficd	1.4415	3.8255	0.376813488
Phf14	3.182	8.4525	0.37645667
Lcor	1.717	4.5625	0.376328767
Cdkn2aip	1.617	4.297	0.376309053
Zfp553	5.4215	14.409	0.376257894
Tab2	13.7505	36.548	0.376231258
Gcc2	5.6905	15.126	0.376206532
Ntn1	1.0055	2.673	0.376169098
Slain1	14.7975	39.3385	0.376158217
Actn1	1.1705	3.113	0.376003855
Bach1	1.031	2.743	0.37586584
Pik3ip1	5.1795	13.781	0.375843553
Gm9964	2.673	7.1125	0.375817223
Tcp1111	6.608	17.604	0.375369234
Car8	1.541	4.107	0.375213051
Plekha3	4.5375	12.096	0.375124008
Tox3	6.6345	17.69	0.375042397
Kif17	1.808	4.823	0.374870413
LOC100504645	1.9105	5.1005	0.37457112
Lbh	17.7	47.2565	0.374551649
4921513D23Rik	26.5055	70.828	0.374223471
Tbkbp1	1.87	4.999	0.374074815
Tmed5	3.4485	9.219	0.374064432
LOC100504004	54.65	146.101	0.374056304
Tdg	1.3765	3.6835	0.373693498
Lnp	4.4915	12.034	0.37323417
Zfp40	1.3975	3.7495	0.372716362
Rnf141	5.0165	13.464	0.372586156
Ankrd43	6.418	17.23	0.372489843
Gm1043	1.3555	3.6415	0.372236716
Itga4	1.5725	4.226	0.372101278
Abl1	2.241	6.0265	0.371857629
Ryr3	1.163	3.13	0.371565495
Arhgap5	7.7905	20.972	0.371471486
Snpc3	5.117	13.7775	0.371402649
B4galt4	1.9485	5.2475	0.371319676
Gm2a	5.187	13.9695	0.371308923
2310010M20Rik	3.283	8.8435	0.371233109
LOC100503081	4.748	12.7915	0.371183989
6330578E17Rik	19.938	53.739	0.371015464
Rnf13	9.979	26.908	0.370856251



Fads1	9.1345	24.677	0.370162499
Ubash3b	6.963	18.8235	0.369909953
Rassf1	2.1035	5.6925	0.3695213
Stx3	3.182	8.614	0.369398653
Gpr107	1.985	5.3745	0.369336682
Socs4	1.2625	3.4185	0.369314027
Fgf11	1.569	4.249	0.369263356
1110020G09Rik	2.5205	6.8265	0.369222881
Spry4	3.78	10.2405	0.369122601
Unc13c	5.085	13.776	0.369120209
Ppargc1b	2.1625	5.8655	0.368681272
Sgk1	14.3465	38.9135	0.36867668
Ipp	1.1935	3.2375	0.368648649
Cd84	1.98	5.371	0.368646435
Nrip1	5.545	15.0455	0.368548736
Pde4c	1.2725	3.454	0.368413434
Epn2	9.796	26.593	0.368367616
Zfp346	3.907	10.61	0.368237512
Hus1	1.5205	4.1305	0.36811524
St8sia2	2.205	5.9905	0.368082798
Amacr	1.457	3.9605	0.367882843
Syt14	1.1145	3.03	0.367821782
Lrp6	1.85	5.0315	0.367683593
Cnst	4.062	11.0515	0.367551916
Dnajc28	2.2835	6.213	0.367535812
Cep135	1.04	2.83	0.367491166
Sdf4	25.2535	68.7325	0.367417161
Frs2	9.1625	24.947	0.367278631
Lcorl	2.8445	7.7465	0.367198089
Dlg1	10.115	27.5615	0.366997442
Lsm11	2.7645	7.535	0.366887857
Hnrnpd	17.5245	47.7775	0.366793993
Rab2b	11.2425	30.66	0.366682975
Dyrk2	2.0775	5.6665	0.36662843
Rnf149	6.626	18.0825	0.366431633
Dnalc1	10.6115	28.9815	0.36614737
Smad5	4.4485	12.1495	0.366146755
Akr1b10	5.603	15.31	0.365969954
Insig1	8.6665	23.6835	0.365929867
Prkcq	2.0395	5.577	0.365698404
St6gal1	1.241	3.3945	0.365591398
3110035E14Rik	3.111	8.51	0.365569918
Chkb	3.578	9.7885	0.36553098
Sarm1	2.8065	7.679	0.365477276
Gm3897	2.1435	5.8655	0.365441991
Tfdp1	7.682	21.0235	0.365400623
Eml6	1.84	5.039	0.365151816
Eea1	6.4735	17.729	0.365136217
Sh3kbp1	15.548	42.5995	0.36498081
H2-T22	2.35	6.439	0.364963504
Adam19	2.1705	5.9475	0.364943253
Ap4e1	1.0485	2.874	0.364822547
Kenn2	2.911	7.9825	0.364672722
Mettl7a1	6.739	18.4825	0.364615177
F630043A04Rik	1.1755	3.224	0.364609181

Srsf1	6.4215	17.617	0.364505875
Man1a2	4.3515	11.9415	0.364401457
Zdhhc21	4.2025	11.5335	0.364373347
A230006K03Rik	4.5915	12.604	0.364289115
Rft1	2.1135	5.802	0.364270941
Tsr1	6.3635	17.475	0.364148784
Scd1	7.0095	19.253	0.364073131
Itgb8	1.6375	4.5015	0.363767633
Gdpd2	1.1655	3.204	0.363764045
Stat3	7.699	21.167	0.363726555
Ptpdc1	9.522	26.206	0.363351904
Glt25d1	1.7645	4.8615	0.362953821
Nfatc3	2.7195	7.5015	0.362527495
Sun2	3.9225	10.821	0.362489604
Gtf2a1	8.183	22.588	0.362272003
LOC100504647	18.8235	51.9665	0.36222374
Ids	59.845	165.217	0.362220595
Elov15	7.4405	20.5415	0.362217949
Kdm6a	2.4345	6.7215	0.362195938
Gpr108	2.913	8.044	0.362133267
Slc25a23	79.101	218.525	0.361976891
Neur13	2.66	7.3525	0.361781707
Zfp532	8.1105	22.42	0.361752899
Npat	2.7135	7.505	0.361558961
Irgm1	5.9295	16.403	0.361488752
Etv1	6.153	17.054	0.360795121
Slc12a6	6.901	19.1355	0.360638604
Gpc5	1.7935	4.9735	0.36061124
Paqr8	3.2465	9.003	0.360602022
Ppm1k	7.8415	21.7675	0.360238888
Rad5113	2.755	7.6505	0.360107183
Mtap2	40.3475	112.0695	0.360022129
Wnk1	14.324	39.846	0.359484013
Yipf2	6.1175	17.027	0.359282316
Ccdc30	2.1535	5.9985	0.359006418
L3mbtl	1.089	3.0355	0.358754736
Ints5	2.216	6.185	0.358286176
Zfp446	1.1425	3.19	0.35815047
Zfp263	2.345	6.55	0.358015267
Ttbk2	15.228	42.5415	0.357956349
Samhd1	3.9365	11.0015	0.357814843
4930402H24Rik	6.8995	19.284	0.357783655
Degs2	4.8485	13.5585	0.357598554
Fbxl19	3.934	11.0015	0.357587602
Dcaf5	15.931	44.5545	0.357562087
Gm6958	1.6205	4.533	0.357489521
Gm10687	1.221	3.4155	0.357487923
Slc30a7	1.0935	3.0595	0.357411342
Scd3	3.642	10.19	0.357409225
Trafd1	8.2095	22.9835	0.357191028
Mapk6	26.823	75.221	0.35658925
Stxbp4	7.8525	22.035	0.356364874
Zbtb44	4.322	12.129	0.356336054
Rab11fip4	10.3015	28.9115	0.356311502
Whsc1	7.067	19.8405	0.35619062

Scyl3	1.6465	4.623	0.356154013
Sfxn5	7.313	20.5585	0.355716614
Oxsr1	2.992	8.4175	0.355449955
Ccbl1	2.006	5.6495	0.35507567
Blzf1	1.7625	4.965	0.354984894
Myo6	2.5555	7.205	0.354684247
Zgpat	1.116	3.149	0.354398222
Sp3	3.416	9.6525	0.353897954
Efcab2	1.5635	4.4205	0.353693021
Adcy6	1.6875	4.7725	0.353588266
Gprc5b	4.1505	11.7435	0.353429557
Dnajc3	3.95	11.1795	0.353325283
Ift81	5.8145	16.462	0.353207387
Cln8	1.66	4.703	0.352966192
Pnn	12.473	35.349	0.35285298
Mcl1	10.1595	28.8405	0.352265044
Slc41a1	5.4335	15.4255	0.352241418
Klf13	8.496	24.1405	0.351939686
LOC100503528	1.487	4.2255	0.351911016
Plagl1	4.997	14.2	0.351901408
2310045N01Rik	9.81	27.8835	0.351820969
Rcctb2	1.4325	4.072	0.351792731
Plxnb1	1.845	5.2475	0.351595998
Rap2c	5.0655	14.4075	0.351587715
Dnajb14	3.7685	10.734	0.351080678
D330012F22Rik	2.738	7.8015	0.350958149
Sp4	3.7855	10.7925	0.350752838
Eil2	3.9915	11.389	0.350469752
Neu3	1.916	5.469	0.35033827
Morn4	28.059	80.1285	0.350175031
Hinfp	1.276	3.644	0.350164654
Chd3	24.2255	69.2965	0.349591971
2810408P10Rik	3.088	8.8355	0.349499179
Pppde2	13.708	39.2415	0.349324057
Elk4	4.039	11.5665	0.349198115
LOC100502582	2.5985	7.446	0.348979318
Pdk1	2.513	7.201	0.348979308
Plekha7	1.2975	3.719	0.348884109
LOC100503441	3.2735	9.3835	0.348857036
Fam149a	4.232	12.132	0.348829542
Smek2	3.076	8.819	0.34879238
Ddx26b	1.0545	3.0235	0.348767984
Itsn2	3.0595	8.7805	0.348442572
Palmd	1.691	4.8585	0.34804981
Id4	5.749	16.5275	0.347844502
Ndrp1	12.747	36.68	0.347519084
Ctnna1	6.3045	18.1795	0.346791716
Tox	14.3445	41.375	0.346694864
Irgm2	8.1965	23.6515	0.346553073
Pura	72.1595	208.2525	0.346500042
Tmem163	7.3065	21.1055	0.346189382
Dpf3	1.1355	3.2835	0.345820009
Erlin2	7.158	20.7015	0.345772046
Kctd9	3.6015	10.423	0.345533915
Tmod2	46.009	133.23	0.345335135

St6galnac6	10.945	31.701	0.345257247
Cnot6l	2.6185	7.587	0.345129827
Map3k13	2.444	7.0815	0.34512462
Cwc25	2.329	6.7515	0.344960379
Tmem42	2.4375	7.0685	0.344839782
Rab8b	6.929	20.0975	0.34476925
Clcc1	2.577	7.4775	0.344633902
Smurf1	3.572	10.375	0.344289157
Igfbp5	9.3505	27.1795	0.344027668
Gm10191	28.7515	83.5825	0.343989471
Ccdc88a	5.167	15.0275	0.3438363
Bnip2	4.201	12.2195	0.343794754
Usp49	2.1085	6.139	0.343459847
Mdga1	2.3675	6.8965	0.343290075
Hbp1	5.4485	15.8735	0.343245031
Lrrc20	4.766	13.9185	0.342421956
Lmf2	1.362	3.9795	0.342254052
Ncoa3	2.2655	6.621	0.342168857
Bbs9	7.0845	20.709	0.342097639
Mpz11	1.44	4.2105	0.342002138
Pcdhga2	1.6445	4.8085	0.341998544
Gpr62	1.3245	3.8735	0.341938815
Mll2	5.9455	17.3965	0.341764148
Naaa	1.7635	5.16	0.341763566
Nr2c2	9.6965	28.375	0.341726872
Bbs1	5.379	15.7425	0.341686517
Ppp1r3c	2.4055	7.042	0.341593297
Eif3j	4.9015	14.3565	0.341413297
Purg	3.2085	9.398	0.341402426
Tigit	6.0125	17.6225	0.341183147
Fezf2	2.79	8.191	0.340617751
Trps1	1.101	3.238	0.340024707
Fgf9	3.255	9.5795	0.339788089
Pard6b	2.1625	6.3645	0.339775316
Gdf3	1.189	3.4995	0.339762823
Cacng4	3.1255	9.2005	0.339709798
Ak3	9.053	26.6545	0.339642462
Bet11	3.355	9.88	0.339574899
Gm5803	1.1175	3.291	0.339562443
Mycl1	1.3325	3.926	0.339403974
Ncf1	2.6715	7.8755	0.339216558
Nek1	2.812	8.291	0.339162948
Snta1	1.8825	5.553	0.339005943
LOC100503589	21.2435	62.67	0.338973991
Tshz1	2.6975	7.9615	0.338818062
Tmod1	6.455	19.053	0.338791791
Pls1	1.825	5.3875	0.3387471
D3Ertd751e	2.1025	6.208	0.338675902
Akap13	1.475	4.356	0.338613407
Fmn12	4.5365	13.408	0.33834278
Rhoq	2.076	6.1415	0.338028169
1700017B05Rik	1.3705	4.0555	0.337936136
1600027N09Rik	1.001	2.9625	0.337890295
Acox3	1.507	4.4625	0.337703081
Rabgap11	13.2885	39.3905	0.337352915

Slc12a2	2.644	7.839	0.337287919
BC030336	6.3075	18.711	0.33710117
Msi2	26.1295	77.539	0.336985259
Pdlim5	2.549	7.5655	0.336924195
Gm2036	5.1785	15.3715	0.336889698
Zfp809	3.333	9.894	0.336870831
Fam123c	2.1645	6.428	0.336729932
Atad2b	1.3795	4.098	0.336627623
Bend3	1.0365	3.0805	0.336471352
4930442E04Rik	1.2255	3.643	0.336398573
Zfp329	2.3525	6.9995	0.336095435
Cbln3	1.245	3.7045	0.336077743
Rnf38	13.6345	40.574	0.336040321
Fam63b	3.6975	11.008	0.335892078
Akap10	1.737	5.1735	0.335749493
Rtkn	3.9695	11.846	0.335092014
Zbtb6	2.3035	6.8795	0.33483538
Hmgxb4	6.557	19.6025	0.334498151
Slc35a3	1.349	4.0355	0.334283236
Palm3	1.038	3.106	0.334191887
Gltp	11.6915	34.988	0.334157425
Chic1	7.096	21.2475	0.333968702
Grip1	2.4655	7.3825	0.333965459
BC016495	4.6115	13.8285	0.333477962
Rbms3	6.872	20.6325	0.333066764
Mid1ip1	16.5775	49.7885	0.332958414
Mri1	1.1205	3.3685	0.332640641
Vezf1	12.772	38.419	0.332439678
Mphosph10	3.677	11.0615	0.33241423
Mms19	1.1115	3.344	0.332386364
Aptx	2.446	7.361	0.332291808
Impad1	7.405	22.286	0.332271381
Atf5	1.5115	4.5505	0.332161301
4930431F12Rik	3.1495	9.487	0.331980605
Sp110	1.747	5.2625	0.331971496
Yod1	1.0615	3.1985	0.331874316
Trmu	2.951	8.892	0.331871345
Zcchc7	4.1835	12.61	0.331760508
Mettl4	1.3225	3.989	0.331536726
I830012O16Rik	5.324	16.0675	0.331352108
Polg	1.0965	3.3105	0.331218849
Clk1	3.649	11.02	0.331125227
Mpp7	1.0855	3.28	0.330945122
Mapkbp1	3.178	9.6035	0.330921018
Txlng	2.056	6.2135	0.330892412
Mobkl2c	3.3625	10.163	0.33085703
Epb4.114b	2.752	8.34	0.329976019
Slc35e2	4.553	13.798	0.329975359
Apobec3	1.227	3.7185	0.329971763
Shisa4	13.9515	42.2855	0.329935794
Phc1	7.8145	23.731	0.329295015
Slc27a1	5.7205	17.3735	0.329265836
Zfp106	25.088	76.224	0.329135181
Msto1	2.446	7.433	0.329073053
Zfp715	1.35	4.1035	0.32898745

Ccdc112	1.896	5.7645	0.328909706
Gm10091	3.638	11.063	0.328843894
Mettl9	4.5085	13.7195	0.328619848
Inpp5k	2.565	7.8115	0.32836203
Fech	8.1505	24.8265	0.328298391
Nr3c2	2.3685	7.222	0.327956245
Lime1	1.765	5.383	0.32788408
Tsc22d3	10.406	31.7555	0.327691266
Zc3h12c	4.228	12.9175	0.327307916
Edem3	4.1915	12.814	0.327103168
Agpat5	2.2175	6.78	0.327064897
Smc5	1.5275	4.6755	0.326703026
Ano6	1.176	3.6025	0.326439972
Mdm4	4.545	13.932	0.32622739
Pex13	5.4815	16.817	0.325949932
Slc4a1ap	6.406	19.689	0.325359338
Klf6	5.507	16.9355	0.325174928
Cnot7	2.6295	8.09	0.325030902
Atf7ip	10.9815	33.7965	0.324930096
Ercc8	1.073	3.3045	0.324708731
F530104D19Rik	1.2335	3.8005	0.324562558
Lrrc33	1.247	3.8475	0.324106563
2700081O15Rik	2.3355	7.2145	0.323723058
Vtn	1.234	3.8135	0.323587256
Fam107b	1.077	3.329	0.323520577
Zbtb34	3.08	9.5265	0.323308665
Gm6718	2.538	7.854	0.323147441
9930111J21Rik1	4.732	14.6525	0.322948302
Zfp866	2.139	6.6315	0.322551459
Rasl11b	1.3765	4.2705	0.322327596
Bcl2	5.279	16.3805	0.322273435
Mex3d	1.8305	5.6825	0.322129344
Zfp330	7.0615	21.937	0.321899075
Aldh9a1	6.4425	20.016	0.321867506
Pdcl	1.4065	4.3735	0.321595976
Gprin1	2.2275	6.9325	0.321312658
Rorb	3.374	10.507	0.321119254
Ppil4	3.853	12.006	0.320922872
Alg8	1.981	6.179	0.320602039
Trpc1	1.3035	4.0665	0.320545924
LOC100503043	5.3805	16.806	0.320153517
Orai1	1.144	3.5785	0.31968702
Irgq	17.03	53.2835	0.319611137
LOC100504672	1.0515	3.292	0.319410693
Ndufaf1	3.5515	11.125	0.319235955
Cnnm3	2.5395	7.959	0.319072748
Ttyh1	13.146	41.207	0.319023467
Nucb2	3.477	10.9035	0.31888843
Vps54	2.7985	8.7855	0.318536224
Usp2	4.1115	12.916	0.318326107
Wdr73	4.35	13.6855	0.317854664
Pigz	1.878	5.9155	0.317471051
Spata9	3.6205	11.424	0.316920518
Ddx39	1.5175	4.7905	0.316772779
Slfn5	1.7165	5.419	0.316755859

Dhrs4	1.3945	4.405	0.316572077
Tmem170b	5.2435	16.57	0.316445383
Cdkn1b	4.003	12.654	0.316342658
Epm2a	5.1315	16.2475	0.315833205
Slc4a4	4.946	15.669	0.315655115
5830477G23Rik	2.0985	6.653	0.315421614
Zfp644	10.6575	33.8485	0.314858856
Tnfaip8l3	2.351	7.4695	0.314746636
Gabpa	2.94	9.346	0.314573079
Plek	1.2145	3.863	0.314392959
Ifit1	5.3785	17.1235	0.314100505
Poc5	2.411	7.683	0.31380971
1700026D08Rik	1.2675	4.0395	0.313776457
Ctdsp2	6.383	20.3545	0.313591589
Gpatch2	2.306	7.359	0.313357793
Zfp458	1.4115	4.5085	0.313075302
Shmt2	2.384	7.6245	0.312676241
Maml2	1.6035	5.1305	0.312542637
Zfp71-rs1	12.105	38.7695	0.312229975
Slc15a4	1.493	4.784	0.31208194
Ythdf3	5.2685	16.8945	0.311847051
S1pr5	1.1075	3.552	0.311796171
Adora1	5.334	17.1075	0.311793073
Fam113a	1.7575	5.6385	0.311696373
Rtl1	1.1875	3.811	0.311598006
6330503K22Rik	6.355	20.41	0.311366977
Phf16	2.607	8.3745	0.311302167
Cog3	2.312	7.43	0.311170929
Zbtb1	1.139	3.661	0.311117181
Serpina3n	5.541	17.812	0.311082416
Igdec4	1.305	4.196	0.311010486
Traf3	3.1375	10.093	0.310859011
Prrc1	3.3225	10.689	0.310833567
Rad54l2	1.7525	5.642	0.310616803
Gadd45a	2.955	9.524	0.310268795
Abhd4	3.1685	10.214	0.310211474
Sox6	1.7855	5.7605	0.309955733
Rps6ka5	1.2895	4.162	0.309827006
Lipi	4.469	14.4255	0.30979862
Cpne9	1.3905	4.492	0.309550312
Gm10409	6.2825	20.3075	0.30936846
Ctnbp2	3.889	12.58	0.309141494
4930451C15Rik	1.8385	5.9565	0.308654411
Zfp407	1.4715	4.7695	0.308522906
LOC100503712	10.6315	34.464	0.308481314
Bcan	2.6395	8.557	0.308460909
Gpm6b	9.176	29.7495	0.308442159
Gm5481	1.084	3.515	0.308392603
Trib1	1.7765	5.7625	0.308286334
Eml5	2.1285	6.9065	0.308187939
Elov17	1.426	4.628	0.30812446
LOC100504045	26.5465	86.16	0.30810701
Chmp1b	4.799	15.5935	0.307756437
Erbp2ip	4.122	13.4175	0.307210732
Sema5b	1.7325	5.642	0.30707196

Ryk	1.632	5.322	0.306651635
LOC100502721	1.2765	4.172	0.30596836
Gna12	5.2695	17.2275	0.305877231
Zfp618	1.0375	3.394	0.305686506
F830016D02Rik	1.081	3.537	0.305626237
Optn	3.065	10.0325	0.305507102
Gnai3	1.7785	5.8235	0.305400532
D830030K20Rik	1.791	5.8655	0.305344813
Chst11	2.769	9.07	0.305292172
Gm14461	1.177	3.8555	0.305278174
Dnmt3a	5.299	17.3585	0.305268312
Numa1	4.0695	13.3325	0.305231577
Kcnk9	7.2685	23.823	0.305104311
Zfp652	7.6785	25.172	0.305041316
Ticam1	1.092	3.5805	0.304985337
Fam131b	2.515	8.248	0.304922405
Cmtm6	1.089	3.572	0.304871221
Spg20	4.862	15.958	0.304674771
Rps6kb2	1.292	4.2465	0.304250559
Fam59b	1.8845	6.1965	0.304123295
Magt1	1.0055	3.307	0.304052011
Rnf26	1.297	4.2665	0.30399625
Cdc73	6.948	22.8615	0.303917066
Myc	2.912	9.5895	0.303665467
Zc3h18	2.7575	9.0835	0.303572412
Zfp169	1.742	5.7405	0.303457887
Lap3	7.003	23.0885	0.303311172
Plcd4	1.3045	4.301	0.303301558
Etv5	4.038	13.3285	0.302959823
Otx1	2.242	7.408	0.302645788
Tigd3	3.8455	12.7065	0.302640381
Wdr44	1.262	4.172	0.302492809
Dnase2a	1.2435	4.112	0.302407588
Vps37a	6.4535	21.3455	0.302335387
Gm10615	1.5085	5	0.3017
Gm10560	2.0665	6.851	0.301634798
Stk33	1.06	3.5155	0.301521832
Phf21a	6.693	22.211	0.301337175
Pcdhb17	1.44	4.781	0.301192219
Flnb	2.9445	9.779	0.301104407
Zfp454	1.454	4.829	0.301097536
Phf17	4.498	14.957	0.300728756
Pgr	2.841	9.456	0.300444162
Serac1	4.106	13.6675	0.300420706
Foxr1	1.121	3.7335	0.300254453
Scmh1	6.261	20.8635	0.300093465
Ppard	2.1515	7.17	0.300069735
Tshz3	1.142	3.8065	0.300013135
Nacc2	10.123	33.7835	0.299643317
Flrt1	4.1105	13.7465	0.299021569
Synj2bp	17.836	59.692	0.298800509
Mrm1	1.4725	4.9365	0.298288261
Fam184a	3.6735	12.331	0.297907712
Ankrd12	19.836	66.6275	0.297714908
Fam98a	3.267	10.988	0.297324354



Rdbp	3.2325	10.8725	0.297309726
Vegfa	5.3275	17.926	0.29719402
Eps8	4.592	15.4575	0.297072618
Plekha5	2.9055	9.7855	0.296918911
Sh3glb1	5.189	17.477	0.296904503
6330403M23Rik	12.4295	41.8785	0.296799074
LOC100504575	1.2525	4.2215	0.296695487
Slc44a1	3.997	13.483	0.296447378
Fhad1	1.6525	5.5755	0.296385974
Nek7	4.1835	14.1245	0.296187476
LOC100502769	1.1235	3.794	0.296125461
Smtnl2	1.308	4.4175	0.296095076
Pogk	2.972	10.04	0.296015936
Dnajc14	2.393	8.097	0.295541559
Sepw1	122.7485	415.7825	0.295222863
Tti1	2.129	7.213	0.295161514
Ifit3	8.643	29.323	0.29475156
Stk32a	2.0035	6.802	0.294545722
Dab2	2.0175	6.8525	0.294418096
Hs6st3	1.8945	6.4375	0.294291262
Fgfr2	3.393	11.5305	0.294263041
Pum2	10.0495	34.2235	0.293643257
Zfx	1.0955	3.732	0.293542337
Pdcd7	2.6785	9.1365	0.293164779
Ctdsp1	1.9125	6.531	0.292834175
Mpa21	3.246	11.1155	0.29202465
Tyr	1.163	3.983	0.291990962
Tbc1d16	1.429	4.904	0.29139478
Pm20d2	2.1845	7.4975	0.291363788
Tstd2	1.445	4.9645	0.291066573
Zscan2	1.2595	4.3325	0.290709752
Tcf4	9.3515	32.171	0.290681048
Chat	2.0815	7.169	0.290347329
D19Erttd386e	1.228	4.2345	0.289998819
Bmpr1a	2.6775	9.236	0.289898224
Spop	40.4015	139.4585	0.289702671
Igf2bp3	1.2535	4.3425	0.288658607
Ppfibp2	1.3035	4.5285	0.287843657
Dbp	5.106	17.742	0.287791681
Zfp692-ps	1.2225	4.248	0.287782486
Rnf31	1.767	6.1455	0.287527459
Itpk1	9.9365	34.5685	0.287443771
AW549877	4.236	14.7525	0.287137773
Klhl5	2.1895	7.6265	0.287091064
Dhrs3	1.083	3.776	0.286811441
D2hgdh	1.246	4.3465	0.286667434
BC053749	1.8825	6.569	0.286573299
Ppp1r1b	1.849	6.478	0.285427601
Yipf6	5.7985	20.3195	0.285366274
Tmem186	1.064	3.733	0.285025449
Zbtb16	1.1375	3.9955	0.284695282
Pomgnt1	1.701	5.9855	0.284186785
LOC100503907	3.467	12.2095	0.283959212
Entpd5	1.827	6.4355	0.283894025
Ankrd57	1.5595	5.5005	0.28351968

Kbtbd11	6.9475	24.508	0.283478864
Usp53	1.996	7.05	0.283120567
Qser1	1.197	4.2285	0.283079106
Kdm3b	3.7645	13.306	0.282917481
Gm10406	2.329	8.2395	0.282662783
Ccdc9	1.5805	5.595	0.282484361
Zfp654	1.1345	4.018	0.282354405
Till11	1.334	4.74	0.281434599
Irf7	1.1385	4.052	0.280972359
Tshz2	17.879	63.6785	0.280769805
Wars2	1.211	4.316	0.280583874
Chfr	1.6785	5.988	0.280310621
Hira	2.2465	8.034	0.279624098
Fitm2	1.832	6.557	0.279396065
Gpr155	2.0555	7.359	0.279317842
Zfp449	1.293	4.6365	0.278874151
Fnbp1	28.586	102.5085	0.27886468
Ccng2	1.2535	4.498	0.278679413
Lass5	2.4935	8.948	0.278665624
8430426H19Rik	1.8805	6.755	0.27838638
Agps	1.908	6.86	0.278134111
Gna13	6.5915	23.749	0.277548528
Wdr31	1.0985	3.9615	0.277293954
Akap12	4.1225	14.905	0.276585039
Rora	2.756	9.9905	0.275862069
Rbm12b	1.33	4.83	0.275362319
Hsd17b7	1.482	5.383	0.275311165
Cat	15.2595	55.6105	0.274399619
Gmeb1	2.168	7.9025	0.274343562
Sall1	1.4755	5.38	0.274256506
Ccnl2	2.894	10.56	0.27405303
4930455F23Rik	7.5725	27.645	0.273919334
Plekhhb1	28.367	103.6475	0.273687257
Pla2g7	4.031	14.7405	0.273464265
Cbwd1	1.4865	5.4505	0.272727273
B4galt7	1.1285	4.149	0.271993251
A630007B06Rik	9.833	36.26	0.271180364
Acbd5	5.0125	18.4885	0.271114477
Itpkb	1.468	5.417	0.270998708
Ubn2	3.4995	12.916	0.270943016
Ift80	1.337	4.9435	0.270456155
Sesn2	1.5175	5.614	0.270306377
Mcc	1.537	5.688	0.270218003
Syde1	1.2605	4.678	0.269452758
Rsf1	4.203	15.601	0.269405807
Eif2ak2	2.787	10.345	0.26940551
A930001N09Rik	7.8535	29.229	0.268688631
Prr18	2.098	7.812	0.268561188
Ranbp3l	1.0655	3.9735	0.268151504
Toe1	1.012	3.781	0.26765406
Pigl	3.891	14.5395	0.267615805
2410089E03Rik	1.6605	6.2135	0.267240686
Scrn3	2.492	9.338	0.266866567
Sfrs18	10.287	38.579	0.266647658
Ston2	2.482	9.32	0.266309013

4732418C07Rik	5.445	20.4515	0.26623964
Ednrb	3.7295	14.019	0.266031814
Gm3365	24.046	90.4075	0.265973509
Rgs3	2.4035	9.0455	0.265712233
Kcnip3	10.1025	38.043	0.265554767
Fam53b	1.2065	4.5495	0.265193977
Snx33	1.052	3.967	0.265187799
Stk38	1.5885	5.991	0.265147722
Tcf12	2.953	11.1435	0.264997532
Homer2	1.935	7.319	0.26438038
Poc1b	1.876	7.1065	0.263983677
Adcy9	1.1165	4.23	0.263947991
Map6d1	3.2145	12.1825	0.263862097
Aspa	4.975	18.868	0.263673945
Gm10362	4.7025	17.848	0.263474899
AY074887	3.375	12.839	0.26287094
Galnt16	2.704	10.294	0.262677288
LOC100502983	35.6005	135.6435	0.262456365
Ccnd2	1.823	6.9515	0.262245559
Cyp2j5	3.839	14.6455	0.262128299
Aqp11	1.0205	3.895	0.262002567
Lhx5	1.3315	5.083	0.261951603
Isg15	2.8	10.689	0.261951539
Tns1	1.7465	6.6695	0.261863708
Jakmip3	1.899	7.253	0.261822694
Mdc1	1.829	6.9915	0.261603376
Ccdc117	2.0285	7.7895	0.260414661
Slc14a1	1.762	6.771	0.260227441
1700030J22Rik	1.505	5.7865	0.260088136
Setd8	16.154	62.1205	0.260042981
App12	3.0715	11.8185	0.259889157
Trp53bp1	6.5345	25.159	0.259728129
Alkbh1	3.188	12.2785	0.259640836
Ptn	30.728	118.3525	0.259631186
Klhl4	1.3585	5.2365	0.259429008
Twsg1	3.6085	13.9135	0.259352427
Eya3	2.274	8.768	0.25935219
Zfp3	2.9015	11.1975	0.259120339
Letm2	2.444	9.4325	0.259104161
Aga	1.364	5.269	0.258872651
Vamp5	1.581	6.1105	0.258734964
LOC100504503	19.5495	75.5955	0.258606663
Pdp2	1.4795	5.724	0.258473096
Atxn7	2.5395	9.8275	0.25840753
Gm14438	1.2425	4.8105	0.258289159
Pllp	3.9405	15.2605	0.258215655
Pcgf6	1.79	6.9345	0.258129642
Prrg3	7.83	30.403	0.257540374
Sirt7	1.2915	5.019	0.257322176
Vmn2r55	1.1155	4.344	0.256790976
Cd59a	4.99	19.4475	0.25658825
Adrbk2	2.177	8.489	0.256449523
Spg11	1.209	4.7145	0.256442889
Adipor2	2.779	10.848	0.256176254
Psg28	7.858	30.6985	0.255973419

Rhou	10.69	41.782	0.255851802
F830016B08Rik	4.8055	18.7835	0.255836239
Ptbp1	3.678	14.414	0.255168586
Ttl3	1.057	4.145	0.255006031
LOC100504256	1.559	6.1145	0.2549677
Psat1	15.403	60.423	0.254919484
Acot1	1.121	4.3985	0.254859611
Gja1	2.702	10.6155	0.254533465
Tirap	1.293	5.0925	0.253902798
Haus2	6.0005	23.6755	0.253447657
Tet1	1.9275	7.607	0.25338504
Rasa2	1.0755	4.254	0.252820874
Brwd3	1.2855	5.0855	0.252777505
Zbed6	1.8485	7.3135	0.25275176
Ripk2	1.2455	4.946	0.251819652
Iws1	1.9365	7.697	0.251591529
Fbxo7	2.4515	9.766	0.251023961
Igsf11	3.5715	14.2455	0.250710751
Echdc1	1.904	7.6005	0.250509835
S100a6	1.794	7.165	0.25038381
Dcx	2.014	8.046	0.250310713
Tspan15	1.0695	4.2795	0.249912373
7120451J01Rik	1.0025	4.0155	0.249657577
Ddx19a	3.7065	14.849	0.249612769
Slc30a10	1.3655	5.4755	0.249383618
Cd3d	3.1275	12.5435	0.249332324
Smyd4	1.005	4.039	0.248823966
Lrrc8b	3.0065	12.0885	0.248707449
Zfp710	1.265	5.0925	0.248404516
Lpcat1	2.368	9.55	0.247958115
Rcor1	1.4405	5.8095	0.247955934
Zbp1	1.2935	5.2235	0.247630899
Slc16a7	1.2825	5.1815	0.247515198
Pak4	1.268	5.137	0.246836675
Ppcdc	1.19	4.827	0.246529936
Hmgal-rs1	1.491	6.048	0.246527778
Wrn	1.057	4.306	0.245471435
Per3	1.7485	7.127	0.245334643
Gas2	1.1975	4.8825	0.245263697
B2m	152.766	623.64	0.24495863
P4ha3	4.0125	16.3815	0.244940939
Maml3	1.5315	6.256	0.244804987
F3	1.866	7.632	0.244496855
Acap2	1.945	7.9575	0.2444235
Abhd3	2.6035	10.658	0.2442766
Rbm33	2.302	9.43	0.244114528
Tnfaip6	2.736	11.209	0.244089571
Gpr17	1.658	6.7975	0.243913203
Lhx2	1.043	4.279	0.243748539
Snai2	1.2675	5.216	0.243002301
LOC100503779	14.6265	60.286	0.242618518
Isg20l2	1.3415	5.5485	0.241777057
Lypd6b	1.5685	6.4905	0.241660889
Gadd45g	1.745	7.2305	0.241338773
Nhs1l	1.1405	4.731	0.241069541

Timp4	1.1995	4.978	0.240960225
LOC100503972	38.746	160.9645	0.240711461
Prkx	1.1375	4.733	0.240333826
Foxn3	7.0115	29.235	0.239832393
Atxn1l	1.453	6.1	0.238196721
Slc29a3	2.147	9.03	0.237763012
Sdccag8	4.5625	19.1955	0.237685916
Cep57	1.66	6.989	0.237516097
Tmem39a	1.7595	7.4115	0.237401336
Myt1	1.0715	4.5135	0.237398914
Ifitm2	2.4305	10.242	0.237307167
Golgb1	7.5525	31.8295	0.237279882
Zfp353	42.203	178.2385	0.236778249
Gstm7	8.754	37.015	0.236498717
Cdr1	57.535	243.6455	0.236142264
Nrsn1	31.198	132.202	0.235987353
LOC100504551	1.493	6.3495	0.235136625
Klhdc1	1.3605	5.7955	0.2347511
Golga4	9.5305	40.622	0.234614248
LOC100503793	1.124	4.801	0.234117892
Ccdc149	1.4555	6.22	0.234003215
Fabp7	6.818	29.154	0.233861563
LOC100504473	1.251	5.3635	0.233243218
Cdc42ep4	3.405	14.638	0.232613745
Lig1	2.619	11.264	0.232510653
Sorbs3	3.3385	14.384	0.232098165
LOC100504538	4.392	18.926	0.232061714
Dph5	2.051	8.8485	0.231790699
Chrm2	1.742	7.531	0.231310583
Tmem101	1.2745	5.516	0.231055112
Deaf1	4.8335	20.9575	0.230633425
2310009B15Rik	4.455	19.3275	0.230500582
Onecut3	1.8515	8.044	0.230171556
Snx18	1.6875	7.3315	0.230171179
Ddn	1.5995	6.9525	0.230061129
Rasl10b	2.711	11.7865	0.230008908
Ppap2b	4.306	18.729	0.229910833
Sparcl1	39.559	172.116	0.229839178
Grk4	50.344	219.675	0.229174917
Sfn9	1.5475	6.7935	0.227791271
Pnrc2	4.926	21.7575	0.226404688
Lcp2	1.5145	6.6925	0.226298095
Ubxn8	1.844	8.168	0.22575906
Rsad1	1.057	4.6845	0.225637741
Fcho2	1.499	6.6525	0.225328824
Rhog	7.2105	32.0505	0.224973089
Dok4	1.302	5.792	0.224792818
Padi2	1.8025	8.032	0.224414841
Lims1	1.6235	7.2445	0.224101042
Sp9	1.077	4.8115	0.22383872
Prox1	2.8925	12.9265	0.223765134
H2-D1	16.302	72.9405	0.223497234
LOC100504024	10.002	44.7965	0.223276372
Cd9	3.696	16.6135	0.222469678
Htra1	1.197	5.3895	0.222098525

Prdm12	1.006	4.538	0.221683561
Lima1	1.2725	5.7435	0.221554801
Gm11703	1.2975	5.8585	0.221473073
Smcr7l	1.158	5.2325	0.221309126
Jam3	1.8205	8.2315	0.221162607
Lcp1	1.137	5.1415	0.22114169
Arhgap17	1.2155	5.5005	0.220979911
Carhsp1	4.438	20.1245	0.220527218
Nab2	2.508	11.4015	0.219971056
Ddr1	1.079	4.9145	0.21955438
Epas1	6.995	31.953	0.218915282
Trim21	1.1005	5.028	0.218874304
Nras	3.6765	16.8255	0.218507622
Dusp11	1.485	6.8005	0.218366297
Utp14b	1.2975	5.977	0.217082148
LOC100502836	12.387	57.0745	0.217032125
Xiap	3.5025	16.141	0.21699399
Ino80d	2.244	10.39	0.215976901
Axin2	1.7065	7.903	0.215930659
Tspan18	2.2035	10.2455	0.215070031
Nfe2l2	3.1565	14.6905	0.214866751
Ppp1r16b	7.4425	34.695	0.214512178
Tmf1	4.355	20.3725	0.213768561
Hs1bp3	1.398	6.5425	0.213679786
A730011L01Rik	1.7125	8.031	0.21323621
Cacna2d1	2.362	11.0855	0.213071129
Nmi	1.128	5.3315	0.211572728
LOC100503916	35.518	168.021	0.211390243
Slc25a18	2.056	9.7365	0.211164176
Ifit2	1.0165	4.833	0.21032485
Purb	3.0895	14.6955	0.210234426
Fmr1	1.282	6.1075	0.209905853
LOC100503762	1.36	6.4835	0.209763245
Rtn4rl1	1.006	4.812	0.209060682
Lrrc3	1.951	9.346	0.208752407
Idua	1.5305	7.377	0.207469161
Cald1	1.2475	6.0285	0.206933731
Rhbdl3	1.504	7.2835	0.206494131
Fam175a	1.0515	5.1045	0.205994711
Cep97	1.4285	6.9425	0.205761613
Syt10	1.9665	9.6185	0.204449758
Rnpc3	1.1915	5.84	0.204023973
Ak2	5.358	26.266	0.203989949
Enpp2	5.514	27.0505	0.203840964
Gltscr1	2.043	10.041	0.20346579
Rassf2	3.0225	14.857	0.203439456
Avp	57.465	282.5585	0.203373815
Tmem229a	2.7495	13.537	0.203109995
Snrnp35	2.7755	13.837	0.200585387
2010109K11Rik	1.362	6.8065	0.200102843
Stk3	1.4095	7.0875	0.198871252
Gm4076	288.1845	1451.244	0.198577565
Ttf1	1.001	5.06	0.197826087
Tdrd3	1.8465	9.3365	0.197772184
LOC100503152	1.371	6.9325	0.197764154

Tmem132b	1.9505	9.893	0.197159608
Gbp6	1.573	7.9805	0.197105445
Ddit4	3.0665	15.5595	0.197082168
Myo1d	1.261	6.408	0.196785268
Sdc4	3.4885	17.745	0.196590589
Pxn	1.0265	5.225	0.19645933
Fermt2	3.021	15.3925	0.196264414
4931406C07Rik	1.253	6.4515	0.194218399
Adcyap1	1.884	9.704	0.194146744
Kctd12	1.6615	8.558	0.194145828
LOC100503843	1.792	9.24	0.193939394
Mro	1.086	5.6135	0.193462189
Mt2	22.023	114.1345	0.192956556
Cpne3	1.0505	5.456	0.192540323
1200009O22Rik	1.314	6.84	0.192105263
Mocs1	1.531	7.9875	0.191674491
Zeb2	2.843	14.899	0.190818176
Rwdd3	1.351	7.151	0.188924626
Cflar	1.04	5.515	0.188576609
Strada	1.2395	6.574	0.188545786
2300009A05Rik	1.149	6.0985	0.188406985
Nfia	3.995	21.243	0.18806195
LOC100503757	154.9455	826.06	0.187571726
Lix1	1.376	7.3665	0.186791556
Dtx3l	1.171	6.2775	0.186539227
Rod1	1.0455	5.6085	0.18641348
Rassf8	1.187	6.3995	0.185483241
Epb4.112	3.4375	18.593	0.184881407
Kcnj16	1.443	7.812	0.184715822
Glul	70.842	384.129	0.184422421
Plekhhl1	2.272	12.388	0.183403294
Nwd1	1.527	8.349	0.182896155
Nkain4	1.9385	10.645	0.182104274
Clic4	5.6455	31.0585	0.181769886
Gstm1	63.4465	349.2085	0.181686586
Gng12	2.659	14.6585	0.181396459
Tagln2	1.5045	8.321	0.180807595
Gorab	1.0095	5.592	0.180525751
Zfp641	1.1475	6.367	0.180226166
Chsy1	1.1845	6.6095	0.179211741
Tex9	2.6955	15.059	0.178995949
Apoe	19.279	108.2685	0.178066566
Timp3	1.9185	10.782	0.177935448
Akap5	6.415	36.1495	0.177457503
Hsd17b11	1.485	8.3815	0.177175923
Zdhhc24	2.508	14.17	0.176993649
Daam2	1.721	9.749	0.176530926
4930420K17Rik	1.2405	7.1265	0.174068617
Slc17a6	4.602	26.52	0.173529412
Pou2f1	3.042	17.5415	0.173417325
Exd2	2.167	12.531	0.172931131
Unk	1.2045	6.9755	0.172675794
Acsbg1	1.719	9.9695	0.172425899
Itih3	2.334	13.5435	0.172333592
Skap2	1.7785	10.3675	0.171545696

Dci	1.008	5.92	0.17027027
Pxmp4	1.401	8.2405	0.170013955
Slc1a2	11.6765	68.683	0.170005678
Gm98	2.21	13.0585	0.169238427
Tor1aip1	3.297	19.4905	0.169159334
Mafb	2.0395	12.0895	0.168700112
D16Ertd472e	1.6255	9.657	0.168323496
Vamp3	3.2895	19.6075	0.167767436
Reep3	1.549	9.2585	0.167305719
1700019D03Rik	1.142	6.9055	0.165375425
Zfp81	1.034	6.2915	0.164348724
Cd274	2.8925	17.669	0.163704794
Cnp	27.603	173.3755	0.159209346
Tapbp1	1.2705	8.023	0.158357223
LOC100502966	1.2135	7.6755	0.158100449
Lss	1.0705	6.7745	0.158019042
Gm7339	4.031	25.758	0.156495069
Phldb1	1.533	9.8285	0.155974971
Ebf1	1.026	6.586	0.155784998
Map4k5	1.4865	9.679	0.153579915
Lass2	3.4555	22.653	0.152540502
Slc6a11	9.7085	63.6525	0.152523467
Micall1	2.1645	14.2885	0.15148546
Prex1	1.682	11.134	0.151068798
Onecut2	1.24	8.214	0.150961773
Tatdn3	1.7885	11.885	0.150483803
Ugt8a	1.546	10.2795	0.15039642
Tst	4.0845	27.318	0.149516802
Ucp2	2.5555	17.272	0.14795623
Mbp	43.118	294.1815	0.14656938
Atp1a2	3.5685	24.386	0.146333962
Tspan2	9.3255	64.094	0.145497238
Plagl2	1.0845	7.541	0.143813818
Triobp	1.0605	7.4265	0.142799434
LOC100503509	8.7645	61.9595	0.141455305
S100a1	3.427	24.3105	0.140967895
Rasgrp3	1.1785	8.399	0.140314323
Igtp	6.416	46.439	0.138159736
LOC100503233	1.781	12.9315	0.137725709
Msn	1.6515	12.0425	0.137139298
Sap30l	2.314	16.881	0.137077187
Mmachc	21.494	158.359	0.135729576
Gab1	3.0605	22.828	0.134067811
Acss1	1.081	8.093	0.133572223
Tmem88b	5.9335	44.438	0.133523111
Xaf1	1.7275	13.067	0.13220326
Ngfr	2.153	16.361	0.131593423
Csda	3.7145	28.58	0.129968509
Tgfa	1.5115	11.686	0.129342803
Rftn2	1.0555	8.215	0.12848448
Parvb	1.2805	10.0055	0.127979611
LOC100504165	1.4645	11.6075	0.126168426
Agxt2l1	1.4565	11.7705	0.123741557
Wwc1	1.1365	9.202	0.12350576
Tcf7l2	3.9335	31.9065	0.12328209



Tmem176a	1.874	15.459	0.121223883
Snhg11	23.78	201.901	0.117780496
Pmp22	3.067	26.2225	0.116960625
Bcas1	2.685	23	0.11673913
Qk	12.781	114.316	0.111804122
Fam107a	8.7805	79.693	0.110179062
Rbm4	1.491	13.703	0.10880829
Nrn1	3.549	32.7995	0.108202869
2310022B05Rik	3.82	35.8675	0.106503102
Ndr2	62.6645	589.7595	0.106254329
Mog	2.015	19.1085	0.105450454
Rsu1	2.754	26.5405	0.103765943
Gatm	7.52	73.0725	0.102911492
Dusp19	1.147	11.181	0.102584742
Tmem176b	1.544	15.748	0.098044196
Car2	13.129	140.0075	0.093773548
Agt	1.324	14.298	0.092600364
Otud7b	1.58	17.104	0.092376052
Ifi47	2.1055	23.0565	0.091319151
Iigp1	1.0095	11.105	0.090904998
Zfp3611	1.3465	15.3535	0.087699873
Gjc3	3.9425	45.131	0.087356806
Hist1h2bc	4.4955	52.2325	0.086067104
Tgtp2	2.3595	28.1765	0.083739996
Trf	3.9945	47.7815	0.083599301
Ptgds	53.307	646.3345	0.08247587
Apod	12.1785	150.5595	0.080888287
Nfix	3.1765	39.476	0.080466613
Cxcl10	2.5695	32.4485	0.079187019
Mal	5.217	67.389	0.077416196
Olig1	4.9665	64.7245	0.076732922
Slc1a3	2.0645	27.3845	0.075389363
Zfp113	1.669	22.4515	0.074338018
Sox8	1.692	22.8845	0.073936507
Rab31	1.273	17.375	0.073266187
Mobp	12.9625	177.913	0.072858644
Arhgef10	1.0805	14.9365	0.072339571
Cryab	16.5935	240.8685	0.068890287
Klf3	1.2565	18.244	0.068871958
Csrp1	8.4815	124.0525	0.068370246
Arpc1b	1.033	15.397	0.067090992
H2-K1	2.9255	44.5285	0.065699496
Cd74	4.654	73.0425	0.06371633
Zcchc24	1.0985	17.2755	0.063587161
Kcnj10	1.406	23.945	0.058717895
Plp1	16.804	291.1925	0.05770753
Sparc	10.1615	187.361	0.054234873
Sox10	1.497	27.778	0.053891569
S100b	1.6125	31.5035	0.051184789
Cbln1	1.7965	35.6355	0.050413212
Sepp1	2.6455	55.579	0.047598913
Pwwp2a	5.7165	120.63	0.047388709
Psmb9	2.0195	44.2705	0.045617285
Ifitm3	1.0695	23.826	0.044887938
Ctss	1.4055	32.636	0.043065939

Pla2g16	1.0135	24.4075	0.041524122
Oxt	7.428	193.0665	0.03847379
Fa2h	1.192	32.5945	0.036570587
Trh	1.7715	50.619	0.03499674
Ernn	2.259	75.474	0.029930837
Il33	1.035	44.3205	0.023352625
Mtrnr2l	217.0675	9774.2375	0.022208126