

Supplemental Table 1. RNA-seq results from eWAT of FI3OE mice

genes	logFC	logCPM	PValue	FDR
uc008ytr.2 Myo18b	7.55810426	3.09018801	8.05E-30	6.35E-27
uc008hgt.1 Ifit1	5.89815724	8.535212747	9.55E-61	2.64E-57
uc029tkx.1 4933433H22Rik	5.4967103	1.835935017	6.10E-39	7.49E-36
uc057bvc.1 Oasl1	4.37850503	6.903065118	7.96E-33	7.33E-30
uc012dri.1 Isg15	3.67031863	4.315550577	3.31E-45	7.31E-42
uc007wnn.2 Apol9a	3.66164977	2.199240308	1.25E-30	1.06E-27
uc007hot.1 Gdf11	3.43513797	2.472098882	6.82E-17	2.28E-14
uc009gsm.2 Irf3	3.41284689	8.062512022	1.29E-146	1.43E-142
uc008jvm.2 Ifih1	3.23242087	9.039525721	1.98E-44	3.64E-41
uc009udl.1 Zfp711	3.00600461	2.767525442	1.27E-20	6.71E-18
uc008sbx.1 Cngb3	3.0052568	2.518154238	1.19E-19	5.70E-17
uc007wny.2 Apol9b	2.97278273	1.708156028	6.54E-23	4.25E-20
uc007nfi.2 Rsad2	2.68280991	6.038394839	2.06E-17	7.34E-15
uc008hgs.1 Ifit1bl2	2.63481468	2.220090188	6.39E-26	4.41E-23
uc009lum.2 Ddx60	2.60186449	5.93670074	1.34E-84	7.38E-81
uc007ytw.2 Rtp4	2.58011486	6.000454927	1.65E-43	2.61E-40
uc008roq.1 Gbp5	2.50719006	5.733377005	1.29E-18	5.10E-16
uc008psy.2 Insrr	2.38988465	2.307970717	2.80E-19	1.24E-16
uc009ffs.2 Pla2g4c	2.38040595	1.338162227	1.74E-10	3.14E-08
uc008pmg.1 Ppm1l	2.29882403	5.998870325	2.72E-34	2.74E-31
uc012ajb.1 Mx2	2.21006833	4.696056727	5.50E-15	1.56E-12
uc008ycz.2 Cxcl10	2.19993084	8.187059995	2.17E-18	7.97E-16
uc008hgo.1 Ifit3	2.17694333	4.345951655	2.17E-19	9.99E-17
uc008hid.1 A330032B11Rik	2.06756802	1.317714312	2.20E-09	3.37E-07
uc009ccj.2 Herc6	2.05773621	6.318208667	2.68E-64	9.88E-61
uc007xni.1 Rnd1	1.94177451	3.400377212	2.21E-11	4.45E-09
uc008hgq.1 Ifit3b	1.94076742	3.067786169	8.91E-15	2.40E-12
uc009rao.2 Plscr2	1.92244751	3.135145687	5.06E-11	9.80E-09
uc007ujs.3 Clu	1.89945989	7.522607923	8.49E-15	2.34E-12
uc011xvf.1 Gm12250	1.87870624	5.435219879	5.66E-21	3.29E-18
uc008rtd.2 Nexn	1.87812163	2.072318464	1.61E-11	3.43E-09
uc012fxo.1 Igf2	1.81683659	1.550841776	6.25E-06	0.000547841
uc008zcu.1 Oasl2	1.80737921	5.237675643	1.53E-14	3.92E-12
uc012drj.1 AK044300	1.80147213	2.632309207	3.86E-19	1.64E-16
uc008adl.1 Tmprss2	1.77890692	2.077978089	3.11E-06	0.000286142
uc008grn.3 AW112010	1.72914358	5.173632025	1.58E-39	2.18E-36
uc008hgn.2 Ifit2	1.67527642	3.858313723	1.65E-09	2.57E-07
uc007buc.1 Sp140	1.58006028	3.598465742	3.50E-17	1.21E-14

uc007ake.2 Pi15	1.56037516	0.951287531	0.002039021	0.067434199
uc007sfb.2 Fam107a	1.52537702	2.111328433	9.20E-06	0.000763688
uc033ikv.2 Gbp11	1.5101071	5.183301318	8.37E-08	9.43E-06
uc008jvl.1 Fap	1.48829182	2.82403716	1.17E-10	2.18E-08
uc007drz.2 Mndal	1.47764047	3.430408123	4.66E-06	0.000421918
uc009clr.2 Dok1	1.46005918	3.532531806	8.81E-13	2.07E-10
uc007ipo.1 Olfr56	1.43318558	2.742942619	5.18E-08	6.22E-06
uc012dbm.1 Cnr1	1.43122672	8.038038382	2.20E-11	4.45E-09
uc009tri.2 Dmd	1.42120556	5.185912877	8.19E-17	2.66E-14
uc007jat.2 Irgm2	1.41580234	6.00633236	2.68E-15	7.80E-13
uc008vxw.1 Errfi1	1.41348219	7.689297909	8.43E-11	1.61E-08
uc008ros.2 Gbp7	1.39919369	7.04824989	2.14E-35	2.37E-32
uc012eag.1 Gbp6	1.37323622	5.179903691	1.08E-13	2.71E-11
uc057aje.1 AK133550	1.37307799	1.834175321	3.51E-05	0.00243661
uc008odo.3 Zbp1	1.37242799	4.493288294	4.20E-12	9.27E-10
uc009ifu.3 Ctsc	1.37106413	7.924010291	5.75E-16	1.72E-13
uc012hkf.2 Bgn	1.36202733	7.894608393	0.000130854	0.007688351
uc008fad.2 ligp1	1.35801404	7.965958723	2.61E-08	3.27E-06
uc009kkg.2 Irf7	1.34495703	7.162863828	1.62E-22	9.93E-20
uc008tar.3 Mup2	1.34105033	2.59819959	0.00010823	0.006641726
uc008roy.1 Gbp2	1.32357629	7.317527173	2.03E-16	6.41E-14
uc008kii.3 Calcl	1.30760383	5.390609087	1.76E-18	6.69E-16
uc007yhd.2 Myh11	1.29710519	3.907337079	1.32E-05	0.001030647
uc056zpe.1 AK047349	1.25126676	1.631577481	4.88E-06	0.000431026
uc008faf.1 BC023105	1.23113139	3.451515838	2.88E-07	3.03E-05
uc008hdi.2 Cd274	1.23065028	6.099826682	8.32E-09	1.15E-06
uc007wgk.2 Ly6a	1.22683317	6.403509147	1.88E-08	2.45E-06
uc007nfj.1 Cmpk2	1.21849836	4.768059365	5.74E-16	1.72E-13
uc012bdk.1 Gm4841	1.21398006	2.755071067	0.000264022	0.013756555
uc008jxm.3 B3galt1	1.21344931	2.417127683	1.38E-06	0.000131571
uc008ezy.2 Gm4951	1.18238668	5.03604064	7.87E-08	9.15E-06
uc008ygz.2 Gbp10	1.18088858	3.248974059	5.54E-05	0.00362124
uc009kun.1 Tnfsf13b	1.1796717	3.071953737	6.79E-08	8.06E-06
uc007znl.1 Col8a1	1.17835145	1.538922198	9.58E-05	0.00597998
uc008vxy.1 Errfi1	1.16639293	2.457329427	1.92E-05	0.001445093
uc056yvx.1 AK163148	1.14921859	4.80217352	1.21E-08	1.65E-06
uc009oqz.1 Adamts15	1.14200009	6.923332035	0.000834994	0.033785146
uc008ytt.2 Adrbk2	1.13414095	5.096806711	2.16E-08	2.77E-06
uc007yhm.1 Snai2	1.12970618	2.201989473	4.87E-06	0.000431026
uc007hma.1 Stat2	1.12649756	5.930546349	1.09E-14	2.87E-12

uc007buh.2 Sp100	1.1181043	4.357407949	2.92E-10	5.05E-08
uc008dng.2 Lbh	1.11489573	4.737084504	1.87E-10	3.34E-08
uc033fod.1 Ifi202b	1.11120403	2.691374281	0.012701117	0.234217934
uc008wuu.2 Il6	1.10739943	3.981357957	0.000287418	0.014835613
uc008nnw.2 Myl9	1.08900526	2.302211247	1.21E-05	0.000962803
uc012gde.2 Sorbs2	1.08185731	2.595236989	0.000928331	0.037019297
uc008rte.2 Fam73a	1.07947626	2.844677573	4.54E-07	4.64E-05
uc007mjh.1 Itgb4	1.07003064	2.426484959	0.000466547	0.021207739
uc009axi.1 Col28a1	1.0693917	1.437922425	0.002923312	0.089383221
uc009dus.2 Vwf	1.06721952	5.306401434	9.95E-05	0.006172296
uc008tv.2 Lepr	1.06505548	1.683295449	0.000554925	0.023887194
uc008asc.2 Zfp945	1.06216842	5.295308393	1.28E-20	6.71E-18
uc033izk.1 Fut2	1.04798334	2.326337093	0.00023344	0.012640114
uc008cjr.1 H2-T23	1.03790389	6.236541754	4.07E-12	9.17E-10
uc008qrw.2 Tspan2	1.0302383	3.148096749	0.000353588	0.017477206
uc008has.1 Pgm5	1.02857948	3.143106637	0.000852313	0.034360046
uc009mfq.2 Klf2	1.02843801	4.864182556	2.62E-09	3.91E-07
uc009rfz.1 Gm5627	1.0235707	3.727608552	2.32E-06	0.00021575
uc009rrt.1 Atrip	1.01434837	5.661473573	7.93E-13	1.90E-10
uc007dsg.2 Ifi203	1.01168084	4.096871884	0.000490304	0.021926699
uc007dsa.2 Mnda	1.00642376	1.221898333	0.01936569	0.3029935
uc007ipg.1 Irgm1	1.00405176	5.902535386	2.34E-09	3.54E-07
uc007wgh.2 Ly6e	1.00369306	8.01523205	1.55E-20	7.78E-18
uc009m.2 Inpp4b	0.99966252	2.398737102	0.000411119	0.019406906
uc011xbr.1 Ctgf	0.99372841	1.914062685	0.001121819	0.043176362
uc011xdu.1 Pln	0.99221777	2.009092453	1.55E-05	0.001190361
uc009qyu.2 Zfp949	0.98389059	3.872290398	2.02E-10	3.54E-08
uc008chq.2 H2-Q8	0.98266585	4.343884668	2.40E-05	0.001745532
uc009oby.1 Pdgd	0.97276239	3.631099799	5.31E-05	0.003492624
uc008ykw.2 Gbp9	0.96831197	4.238138	6.36E-09	9.01E-07
uc007pyz.1 Irf4	0.96718817	8.382043963	2.25E-05	0.001653846
uc008hgg.2 Acta2	0.96188026	4.511440103	0.004865019	0.127343604
uc009fwi.2 Prx	0.95818728	1.643292887	0.000266579	0.01382456
uc008zvw.2 Eln	0.95435297	3.96934332	3.48E-05	0.00243661
uc009bjz.2 Zc3hav1	0.95342451	6.907106331	4.67E-19	1.91E-16
uc029vfv.1 Sema3a	0.95245609	2.996634831	0.00010758	0.0066387
uc009eoo.1 Pde3a	0.94736638	1.738637394	0.001524718	0.052631376
uc008faa.2 F830016B08Rik	0.94723037	4.578918755	3.14E-06	0.000286271
uc009bjx.2 Zc3hav1l	0.94444364	2.755535199	7.94E-06	0.000674685
uc033for.1 Aig1	0.94218093	2.31547445	1.18E-05	0.000955097

uc029uus.1 Gm2083	0.92798774	3.120224815	0.150847822	0.874248191
uc008jqf.1 Rnd3	0.92377339	7.931833077	0.000222909	0.012140303
uc008zzt.2 Rasa4	0.92098058	3.494523669	0.000191558	0.010740873
uc008ree.2 F3	0.91948532	6.535271963	8.06E-08	9.28E-06
uc008rou.2 Gbp3	0.91918408	5.517075812	1.04E-11	2.26E-09
uc007hsq.1 Pik3ip1	0.91575108	1.814858916	0.000607751	0.02572112
uc012fat.1 Mill2	0.90766021	4.078603939	6.35E-07	6.38E-05
uc009qsn.1 Tmod2	0.90060246	1.648380674	0.006059537	0.14778171
uc007wob.2 Apol8	0.89646272	1.386670374	0.010563187	0.206150106
uc056zja.1 AK171330	0.88628156	3.031367133	0.000157724	0.009169556
uc009pgs.2 Tagln	0.88283864	3.1604015	2.46E-05	0.001774277
uc007pji.1 Akr1c14	0.8818843	2.225205422	0.004621221	0.123002439
uc057cfi.1 AK037633	0.88046622	2.622527452	0.002874015	0.088430005
uc029wlz.1 AB347501	0.87655069	2.671947115	1.15E-05	0.000930673
uc012cwg.1 Gm21949	0.87628411	1.592735528	0.003232988	0.095356824
uc008xbe.3 Fgfr3	0.8669612	2.843004804	0.000680883	0.028488758
uc007dru.3 Al607873	0.8642449	5.550087694	0.025226019	0.356325587
uc008rsk.2 lfi44	0.86144984	3.674848191	0.002377659	0.075470191
uc007lxs.1 Cyb561	0.85875524	2.601768167	0.000243789	0.013136077
uc008srf.1 Glipr2	0.85300731	2.292999344	0.003291695	0.096702304
uc007jau.2 Irgm2	0.84535005	6.814765556	3.27E-10	5.48E-08
uc007suj.2 Lrtm1	0.83916032	3.95920174	1.55E-05	0.001190361
uc011xaf.1 Plagl1	0.83603215	6.754024969	7.28E-08	8.55E-06
uc009sbv.1 Csrnp1	0.82549822	7.558686626	0.000408218	0.019352671
uc007ulz.1 Stc1	0.82354498	1.798885323	0.020204049	0.311260705
uc008mmi.1 Slc23a2	0.82343642	6.987608755	5.07E-10	8.24E-08
uc009bhw.2 3110062M04Rik	0.82215499	7.124528146	3.01E-10	5.12E-08
uc009jfu.2 Mrvi1	0.82060685	2.159195739	0.001002614	0.039272603
uc009udv.2 Klhl4	0.82024117	1.884637175	0.008355964	0.178926347
uc011ysp.1 Rian	0.81396659	1.749006725	0.005791458	0.144082092
uc007xse.1 Slc4a8	0.81337289	1.538456365	0.007865256	0.17216802
uc008chs.2 H2-Q7	0.81118222	5.326177985	5.01E-05	0.003351061
uc012aew.1 Kalrn	0.8097686	3.553771657	0.001489447	0.051896842
uc007ezq.2 Aim1	0.80599905	4.711014511	2.01E-05	0.001487682
uc008cpu.1 Enpp4	0.80532761	6.903819134	1.85E-12	4.27E-10
uc007uts.2 9630013A20Rik	0.80373655	1.438322689	0.012280885	0.228374844
uc007unc.2 Egr3	0.79694983	3.220324408	0.000388257	0.018810034
uc009cat.2 Adcyap1r1	0.79285009	5.372484776	0.006170151	0.149136734
uc007akh.1 Crispld1	0.78733664	1.669143821	0.010145874	0.201619186
uc012fsg.1 Micalcl	0.78633249	2.248910213	0.03106502	0.409479967

uc009gvu.3 Ppp1r15a	0.78526998	6.507018872	7.47E-06	0.000650029
uc009uwl.2 Gpm6b	0.78352515	1.590025745	0.01067055	0.206784032
uc007yed.1 Socs1	0.7827237	2.651292791	0.002657615	0.082692998
uc007kfo.2 Nxn	0.78255508	2.05213019	0.012850553	0.235401675
uc008jqv.1 Neb	0.77883885	3.814044116	8.61E-07	8.49E-05
uc007eeh.1 Hsd11b1	0.77401321	7.712149629	4.68E-08	5.74E-06
uc009ifh.2 Folh1	0.76760398	3.389522666	0.0005665	0.02416047
uc009qbm.2 Zwilch	0.76747148	5.015230121	0.000120903	0.007297772
uc007lhv.1 Cdc6	0.76372483	1.683018356	0.002706439	0.083797539
uc009obr.1 Casp1	0.76075141	3.512753922	3.52E-07	3.64E-05
uc012bin.1 Syt7	0.7590729	2.808353072	0.000367921	0.018062469
uc007gzf.1 Pawr	0.7586474	2.232213528	0.006956332	0.160416792
uc007jya.1 Pitpnm3	0.75805172	1.781669041	0.007727598	0.171403707
uc029thm.1 H2-T10	0.75464288	2.929528555	5.31E-05	0.003492624
uc056zpg.1 AK171320	0.74820054	1.797801727	0.007778841	0.17185015
uc008wjk.3 Adam22	0.74616695	1.886164151	0.00355973	0.102105026
uc007qvi.2 Gas1	0.74358841	2.202726273	0.008184005	0.17749069
uc012app.1 H2-K2	0.74016004	2.807168149	0.001364605	0.049747271
uc007vny.2 Fzd6	0.73154565	2.77750173	0.000470396	0.02129505
uc007jne.1 Usp43	0.73139739	1.703657478	0.016179207	0.271604132
uc007eks.2 Phactr2	0.72528046	6.607554803	1.42E-10	2.62E-08
uc007vsc.2 Col14a1	0.7249831	1.614446376	0.053451299	0.558000483
uc007mcm.1 Slc16a6	0.7248338	3.782522597	7.81E-06	0.000668871
uc007npv.2 Clec14a	0.72315335	2.709480033	0.001405678	0.050742223
uc008ajr.1 Pde10a	0.72284969	1.460073894	0.009423708	0.193483784
uc007oaw.1 Galnt16	0.71662339	1.421136882	0.018799862	0.297938703
uc009rlc.2 Cish	0.71597329	6.636168852	0.075995109	0.672629787
uc009qpa.1 Myzap	0.71447434	1.899353639	0.009142426	0.190183123
uc007lxu.2 Ace	0.71404396	4.199840046	0.001498741	0.051896842
uc009cte.1 Antxr1	0.71377368	2.231561797	0.016914108	0.279690468
uc009obd.2 Gucy1a2	0.71299307	4.0110421	0.000128219	0.007607735
uc009ovb.1 Vsig2	0.71139711	1.849206342	0.015157337	0.260385599
uc009edh.1 Tulp3	0.70760353	4.814908389	7.09E-09	9.91E-07
uc007pib.2 Rapgef5	0.70577424	4.537094955	0.001238582	0.04685403
uc009uql.2 Shroom2	0.69873983	2.25855053	0.016687065	0.276997886
uc008yky.2 Gbp4	0.69611331	3.30069789	0.000159821	0.009242865
uc008jqp.1 Tnfaip6	0.6959905	4.855575468	0.013367609	0.24285956
uc009etj.2 Tmtc1	0.69597321	4.13507908	0.000128793	0.007607735
uc008vta.2 2610305D13Rik	0.6957288	2.16944323	0.010738457	0.207372376
uc008suu.2 Nr4a3	0.69518415	5.302333774	0.000477837	0.021543606

uc033ioe.1 Thsd7a	0.69501336	2.529708162	0.012792997	0.235011936
uc009pwk.2 Islr	0.69457691	2.558515726	0.001262056	0.047371832
uc007llx.1 Dhx58	0.69311088	3.723400324	8.12E-05	0.005217119
uc007dhx.1 Sele	0.69282199	2.993643054	0.021842529	0.328993339
uc008zfo.1 Vsig10	0.69231023	1.331106628	0.010245684	0.202820466
uc009auy.3 Samd9l	0.69058711	6.523448799	1.46E-13	3.58E-11
uc008fca.2 Arhgef37	0.68976876	3.154348741	0.00841022	0.179094264
uc057bmn.1 AK086056	0.68873862	2.65995822	0.002708285	0.083797539
uc008rrx.2 Ttll7	0.68750778	3.441725216	0.003988676	0.110700799
uc007zbz.1 AK144265	0.68750459	3.816331937	0.039675123	0.474811927
uc009tre.2 Tmem47	0.68715465	3.604973846	0.000450761	0.020660169
uc008cbs.1 Psmb9	0.68649941	5.129865575	1.75E-08	2.30E-06
uc009dog.2 Usp18	0.68439648	3.698871727	0.000258717	0.013608489
uc007dhz.2 Selp	0.68297343	3.603560109	0.00353319	0.10189978
uc009ldx.3 Plat	0.68193154	2.170610685	0.018082662	0.291592831
uc009nui.2 Dpep1	0.68141923	3.151967491	0.000223111	0.012140303
uc029wcz.2 Prkcg	0.67853829	3.513406787	0.010902749	0.209446539
uc007jyz.3 Spns2	0.67798484	3.500180618	0.000162989	0.009376983
uc008zoe.1 Clip1	0.67776059	2.283163699	0.007391704	0.165664316
uc009uvm.2 Figf	0.67744595	4.809680552	1.43E-08	1.92E-06
uc011xfr.1 Arid5b	0.67662584	8.058117666	0.000220766	0.012132258
uc009luw.3 Cpe	0.67624411	2.686542678	0.005782579	0.144082092
uc007uwe.1 Kctd12	0.6754121	7.876328987	1.40E-06	0.000131984
uc009eft.2 Clec1a	0.67531895	2.176991339	0.008435857	0.179197071
uc012euq.1 Apold1	0.67363808	5.867442725	0.000418975	0.019610164
uc007dyt.2 Mark1	0.67178741	1.818707865	0.007173367	0.162704336
uc008wom.2 Fgl2	0.67123648	3.607131852	0.012802202	0.235011936
uc008uek.1 Tal1	0.66998653	2.741770321	0.004286518	0.116910802
uc009sky.2 Shroom4	0.66693979	5.216775848	0.001258603	0.047371832
uc008tah.1 Mup6	0.6667022	4.512212278	0.00026018	0.0136206
uc012fkl.1 Plekha4	0.66610388	1.902240663	0.015305569	0.26211607
uc008jll.2 Ptgs1	0.66331703	2.305505852	0.007431808	0.165841915
uc007uvx.2 Lmo7	0.66296604	3.973765548	0.005117263	0.132377724
uc008chn.2 H2-Q5	0.66291561	2.966058094	0.005954001	0.146476388
uc012apv.1 Psmb8	0.65994682	5.98191025	1.45E-09	2.29E-07
uc007lpq.2 Arl4d	0.65771873	2.252788401	0.006531961	0.153547533
uc008amx.2 Smoc2	0.65658927	1.802187153	0.026811665	0.372719289
uc007ayl.3 Mfsd6	0.65371733	2.555217137	0.008209527	0.17749069
uc008rti.2 Usp33	0.65295476	7.400255573	2.57E-08	3.27E-06
uc009seb.2 Higd1a	0.65161382	3.795537444	3.51E-05	0.00243661

uc009cdb.1 Abcg2	0.6496819	4.360323876	0.000181916	0.010304832
uc008uur.2 Gja4	0.64464828	2.071393447	0.017536263	0.284992508
uc008qae.2 She	0.64409984	4.232268988	0.00086322	0.034673192
uc008oln.1 Helz2	0.64362558	7.643108392	2.73E-07	2.93E-05
uc007aez.2 Sox17	0.64351543	4.304934122	0.002102963	0.069090359
uc007gnt.2 Syn3	0.64322441	7.235516694	0.000354417	0.017477206
uc009sxj.2 Il13ra1	0.64120022	2.020992137	0.045820733	0.515179177
uc007dln.1 Rgs4	0.64088549	2.612090325	0.007066574	0.161878914
uc009rzw.2 Itga9	0.6391915	2.667766624	0.021341817	0.323821025
uc008vwh.1 Rbp7	0.63891082	3.602939437	0.014485804	0.25315438
uc008efa.1 Rnf125	0.63807105	6.02093348	0.000141358	0.008261619
uc007qvx.2 Ctla2a	0.63786035	2.393204499	0.010482422	0.205664005
uc009gwk.2 Mamstr	0.63387934	2.164329242	0.014349293	0.253106619
uc008faq.2 Synpo	0.63283384	3.357207944	0.00693875	0.16034609
uc008xtj.1 Rasl11b	0.63215678	4.185059216	0.07202094	0.653155419
uc007sxe.1 Sema3g	0.63163505	4.440039148	0.001134112	0.043347416
uc007dxq.2 Enah	0.62854201	3.567615982	0.002102847	0.069090359
uc007ozs.1 Eml1	0.62712405	2.994000314	0.006533346	0.153547533
uc007hbv.2 Ptprb	0.62556524	8.060147295	0.000401689	0.019208028
uc012dfi.2 Mup14	0.62541842	2.058772025	0.022396974	0.33341911
uc007elk.1 Adgrg6	0.62514646	1.870017575	0.061242955	0.601324165
uc009bgh.2 Podxl	0.62330876	5.589526178	8.94E-05	0.005612604
uc009izu.2 Gm1966	0.62285965	2.122000504	0.039019566	0.471049316
uc007zbs.2 Parp14	0.62055496	7.238917924	3.33E-09	4.91E-07
uc009cbr.3 Nt5c3	0.62036742	4.905016654	4.20E-08	5.21E-06
uc008cev.2 D17H6S56E-5	0.61926699	2.492206445	0.024252003	0.348228903
uc007uat.1 Adcy4	0.61639164	4.278140748	0.002276492	0.072887331
uc007dhb.1 Fmo2	0.61622423	4.436881749	0.000531848	0.023303158
uc007knz.2 Slnf5	0.61488136	7.667760199	1.31E-06	0.000125369
uc007lyx.1 Icam2	0.61423341	1.797271039	0.017023945	0.280251084
uc007nxa.1 Rhoj	0.61322543	3.303847416	0.010059371	0.201296769
uc008nzc.2 Znfx1	0.6122053	8.612830138	2.06E-11	4.29E-09
uc009rno.1 Uba7	0.61188457	5.686085197	4.79E-11	9.45E-09
uc008veo.1 Grrp1	0.61056088	1.719066315	0.017685141	0.286857665
uc008rbo.2 S1pr1	0.60878038	5.732202146	0.000562481	0.024082034
uc007wwd.1 Mkl1	0.60847576	4.646172422	1.97E-05	0.001468418
uc009epm.1 Abcc9	0.60778137	7.388164961	4.86E-08	5.90E-06
uc007hth.2 Smtn	0.60718878	3.630494569	0.003387348	0.098724673
uc009uqv.1 Klf8	0.60698705	1.801792526	0.028663229	0.38848347
uc007lze.2 Pecam1	0.60632836	6.309609475	0.000328706	0.0165794

uc008mro.2 Dtd1	0.60608976	3.862315102	0.000700601	0.02920317
uc008oop.1 Hey1	0.60604585	1.983128823	0.003903329	0.109154873
uc007wnu.2 Apol10b	0.60533907	1.628795575	0.019875329	0.308346751
uc007upq.2 Lpar6	0.60529708	5.761149795	8.23E-06	0.000693731
uc008hld.2 Entpd1	0.6044582	3.843307209	0.045000805	0.512452471
uc008bx.1 Notch3	0.60346402	5.703625616	0.000533741	0.023303158
uc007kmt.2 Ccl8	0.60328968	2.693446395	0.111567161	0.785719699
uc008tsj.2 Tek	0.60226504	4.864099248	0.000809798	0.033129749
uc008cix.3 H2-T9	0.60167675	6.903191808	1.21E-06	0.000116821
uc029umx.1 Cd1d2	0.60163546	3.134998193	0.000297391	0.015278958
uc008dsq.2 Zfp3612	0.60069618	7.702174906	4.58E-05	0.003088022
uc007jhz.1 Grap	0.60067524	2.026523211	0.006164431	0.149136734
uc029thf.1 H2-Eb1	0.5996131	5.792172767	0.012808002	0.235011936
uc008rmj.2 Emcn	0.5993398	3.075007543	0.004590254	0.122769848
uc007pyu.2 Agr1a	0.59929978	1.430517066	0.052913994	0.556655213
uc007etl.2 Ncoa7	0.59858131	4.584309697	0.000393601	0.018903116
uc008yua.2 2900026A02Rik	0.59835729	4.466138955	0.004545471	0.122461644
uc008pgy.1 Tm4sf1	0.59829453	4.572374377	0.002194221	0.0708695
uc007bpz.1 Epha4	0.59763395	2.401970646	0.055730068	0.56649219
uc009dkp.2 8430408G22Rik	0.59678663	4.054534142	0.018240526	0.292855884
uc008lmv.1 Fibin	0.59648457	1.884212043	0.03731402	0.456535375
uc007qdp.2 Bmp6	0.59568109	3.917104695	0.007095168	0.161878914
uc007qvt.2 Ctla2b	0.59511822	1.853642132	0.023557287	0.343089823
uc008jgk.2 Eng	0.59493056	5.999459179	0.000975379	0.038478695
uc009fvt.2 Ltbp4	0.59464312	6.336209071	4.35E-05	0.002949685
uc009mdp.2 Plvap	0.59190658	4.082140572	0.013934997	0.249879835
uc008luf.1 Itpka	0.59188545	3.805988786	0.000459732	0.020984318
uc008por.2 Gucy1b3	0.59073205	2.167767657	0.032759033	0.421743919
uc012css.1 Nup210l	0.59010921	2.67767658	0.024076428	0.347358641
uc056zph.1 AK037726	0.58976473	1.546393466	0.041172172	0.485226642
uc009bgm.3 Plxna4	0.58948499	3.472648142	0.006868502	0.159721584
uc007gzp.1 E2f7	0.58937659	2.760191848	0.024156537	0.347438945
uc007ksf.2 Brip1	0.58741695	1.725228996	0.009825471	0.198413439
uc008mbf.1 Bloc1s6	0.58607496	4.979698488	2.88E-07	3.03E-05
uc007dlm.2 Rgs5	0.5860287	6.631234926	0.003694505	0.104908741
uc009fgp.1 Sepw1	0.58591518	7.243497578	7.33E-10	1.17E-07
uc012fau.1 Nova2	0.58574625	3.568558009	0.005364623	0.136224439
uc009lng.1 Slc7a2	0.58416549	1.597766698	0.032343727	0.417858254
uc008rfm.1 BC096391	0.58185295	2.659522885	0.003044655	0.092067067
uc008uyy.1 Tinagl1	0.58092635	5.987946298	0.001497764	0.051896842

uc007wgv.1 Gpihbp1	0.58027784	4.762609202	0.001830877	0.062612606
uc029ssd.1 Ly6c1	0.58020774	4.99793682	0.000515314	0.02286006
uc009axy.1 Ica1	0.57921498	1.69917835	0.019401314	0.303038317
uc009dof.2 Tuba8	0.57902946	2.046961944	0.035445106	0.438931206
uc008rcz.2 Plppr4	0.57832686	2.524994064	0.024646848	0.350836445
uc008esl.1 Spry4	0.57773718	6.4990697	0.002030668	0.067359623
uc009ort.1 Tmem45b	0.57711089	8.671756396	0.000553397	0.023887194
uc012agu.1 Filip1l	0.57634988	3.337323851	0.018318098	0.293674465
uc012cak.1 Lmo2	0.57614305	2.226751904	0.035382839	0.438651894
uc007ztt.1 AK080982	0.57590176	5.134913753	0.00039211	0.018903116
uc007djh.1 Mpzl1	0.57586787	2.212887462	0.018400727	0.294571636
uc008acd.2 Erg	0.5749214	3.636134559	0.006882806	0.159721584
uc009kwk.2 Mcf2l	0.57434305	6.012563046	0.002000469	0.066961138
uc008nex.1 Tcf15	0.57258644	1.811089307	0.01592878	0.269035633
uc008wci.1 Tnfrsf14	0.57235904	4.426112724	3.36E-07	3.50E-05
uc009ksu.2 Cd209b	0.57175463	1.703357306	0.091255592	0.725708618
uc009dkt.2 Cxcl12	0.57082033	6.991119842	0.000319828	0.016280259
uc008kje.2 Serpig1	0.57021506	5.859704035	0.029800099	0.399965844
uc009dqn.2 Cd163	0.56667954	5.096819129	0.021861408	0.328993339
uc007wuz.1 Pdgfb	0.56655257	4.385564367	0.002159601	0.070170752
uc057bie.1 AK155710	0.5630453	1.875978076	0.099191983	0.751491526
uc007azk.2 Hecw2	0.56280032	4.506093655	0.010232288	0.202820466
uc007njn.1 Tspan13	0.56245823	4.169636818	0.001417657	0.050842344
uc009quy.1 Filip1	0.56114238	1.755361529	0.052842672	0.556655213
uc008nlh.2 Procr	0.56086556	1.729113812	0.074430723	0.663467157
uc009bso.2 Arhgef5	0.55962119	2.993705833	0.010833579	0.208662879
uc009nmd.2 Mlkl	0.55889663	4.646417474	3.58E-05	0.002471464
uc009dva.2 Kcna5	0.55858344	3.006966196	0.021047009	0.321112233
uc008ycv.2 Cxcl9	0.55744132	5.6377754	0.000181892	0.010304832
uc029rkv.1 AK046369	0.55644068	1.995839049	0.028330411	0.384917245
uc007uff.2 C1qtnf9	0.55626944	3.55754575	0.008011542	0.17489228
uc007utp.2 Pcdh17	0.55583342	3.882924654	0.005900245	0.145803366
uc008faz.1 Cd74	0.55541986	6.481320405	0.018609635	0.296198885
uc009npk.2 Cdh13	0.55450133	4.558132189	0.001442489	0.051399151
uc007zfi.3 B4galt4	0.55411088	3.009758009	0.010471635	0.205664005
uc008jvp.1 Gca	0.55366802	4.27017537	0.000249961	0.013403254
uc007eep.2 Cd34	0.55321808	4.170870699	0.006470483	0.152719994
uc009cvd.2 Gata2	0.55289328	2.850003273	0.009339198	0.192464136
uc007ixa.1 Gm12216	0.55210198	2.674637542	0.006467632	0.152719994
uc007rpl.1 Zfp366	0.55122291	3.198165941	0.013705548	0.247010783

uc008otm.1 Tnfsf10	0.55048207	3.266058893	0.00392011	0.109347324
uc008euy.1 Mcc	0.54941728	5.052960665	0.005930807	0.146231465
uc009bvf.1 Gimap8	0.54876043	2.728324833	0.018903796	0.298728656
uc007siz.1 Kcnk5	0.54863715	2.151229295	0.040596898	0.481668457
uc008kbn.2 Rapgef4	0.54840645	2.145362832	0.040192637	0.47858136
uc008aoi.2 Dll1	0.54830414	3.348166281	0.019969761	0.309377255
uc008ylf.1 Lrrc8c	0.54827116	3.983886688	0.017216019	0.28256782
uc008rdy.1 Cnn3	0.54774787	4.018917891	0.007533746	0.167440163
uc008yzv.2 Trpv4	0.5475072	2.372283465	0.039454212	0.472938345
uc008aio.1 Fndc1	0.54663244	1.831468691	0.063967368	0.610562752
uc008ret.2 Pde5a	0.54655074	2.843855711	0.016665325	0.276997886
uc008rsj.2 Adgrl4	0.54465542	6.176864294	0.000325488	0.016492388
uc009iup.1 Hbb-b2	0.54343666	1.471591632	0.083465296	0.698183593
uc007nkf.1 Meox2	0.54335237	2.935854539	0.008313579	0.178661085
uc009hiv.1 Synm	0.54324844	3.657768333	0.003739024	0.105360362
uc007tmf.1 Pnp2	0.54254922	1.797784041	0.023548927	0.343089823
uc008ccd.1 H2-Aa	0.54233537	5.147357995	0.028189041	0.384346894
uc012cil.1 Ppp1r16b	0.54186529	3.460544675	0.004049591	0.112109724
uc008xdg.2 Rgs12	0.54044799	4.048838909	0.000333767	0.016758154
uc009ikd.2 Capn5	0.54033004	3.345003842	0.0014574	0.051597556
uc008jhb.2 Stxbp1	0.54031719	3.962944094	0.001394226	0.050493852
uc007cyj.1 Hmcn1	0.53980879	1.783419283	0.086186553	0.704875951
uc008hak.2 Fam189a2	0.53918671	2.820774354	0.021281265	0.323346432
uc009dua.1 Tapbpl	0.53891123	4.945574129	7.09E-07	7.05E-05
uc009aux.1 AK035387	0.53850305	4.25086945	0.000213179	0.011773855
uc008kjn.2 Slc43a3	0.53823662	5.731424716	0.000195496	0.010906302
uc007uur.2 Dach1	0.53798031	2.967685918	0.02562181	0.360532313
uc009hwg.1 Slco3a1	0.53774737	2.982389368	0.031538751	0.413292186
uc008nuq.1 Sdc4	0.53722098	7.336348504	0.008664886	0.182309202
uc056zdy.1 AK031392	0.53703876	3.221352452	0.100953958	0.759746792
uc008imm.1 Etl4	0.53458215	5.146161573	0.005449922	0.137757075
uc007ztu.2 Cyyr1	0.53400546	4.844966912	0.004751028	0.125250248
uc007vmy.2 Pabpc1	0.53285882	9.038708155	8.26E-08	9.41E-06
uc009jfr.1 Lyve1	0.53173241	3.816722407	0.109974313	0.782169297
uc009ede.1 Tead4	0.53172967	2.682068638	0.105086756	0.770264305
uc007zeu.2 Popdc2	0.53111065	4.266942904	0.001232826	0.046796535
uc007duk.2 Akt3	0.52906784	4.012086392	0.00356002	0.102105026
uc007rgn.1 Mctp1	0.52858909	2.193686896	0.145631706	0.860464731
uc056zbs.1 AK135544	0.52785005	2.915730212	0.008155985	0.177344514
uc008cpa.1 Adgrf5	0.52774773	8.181691784	0.003950194	0.109908935

uc007owe.1 Serpina1b	0.52684863	3.011898926	0.600916542	1
uc009izt.1 AK041647	0.52558864	3.63070219	0.043233045	0.500054671
uc007cze.2 1700025G04Rik	0.525329	2.369607259	0.014389911	0.253106619
uc009fir.2 Hif3a	0.52499804	2.791695429	0.126073687	0.826965525
uc007jtu.1 Mgl2	0.52389162	2.523036041	0.093825085	0.733623275
uc056zzv.1 AK138852	0.5237741	1.8006313	0.039001713	0.471049316
uc009tdu.2 Mbnl3	0.52351567	2.628074086	0.021993719	0.330085083
uc009iuq.3 Hbb-bs	0.52237761	3.543310451	0.080182698	0.685524831
uc007kob.1 Slfn9	0.52146269	2.92227479	0.004917661	0.128417211
uc009obx.2 Casp12	0.52043778	5.877037071	2.55E-07	2.76E-05
uc008exq.2 Sncaip	0.52018494	2.228884062	0.052163791	0.553333933
uc007syb.1 Galnt15	0.5188486	4.596417055	0.004314374	0.117380714
uc009ous.2 Robo4	0.51769247	5.450824993	0.003378441	0.098724673
uc008jlf.1 Lhx6	0.51669216	1.595860418	0.072091377	0.653257874
uc008ykb.2 Sparcl1	0.51505945	5.738749724	0.002178291	0.070561293
uc008pbf.1 Fat4	0.51440386	5.13186724	0.000486706	0.021854307
uc007mdj.3 Abca6	0.51436441	1.609566854	0.07197331	0.653155419
uc007usn.1 Dgkh	0.51345686	4.172667326	0.008041431	0.175198523
uc009klu.2 Muc6	0.51315665	1.514316062	0.144422698	0.85860771
uc009gwi.1 Rasip1	0.5127818	5.555311263	0.001369294	0.04975403
uc007fqh.2 Adora2a	0.51133627	2.951505103	0.038124568	0.461758743
uc009luf.3 Pald	0.51101955	7.301186882	0.015047129	0.258895
uc007kod.2 Slfn8	0.50991227	4.693105465	0.001359025	0.049707925
uc007flx.1 Egr2	0.50906683	6.934758303	0.014257767	0.252389903
uc008rbx.1 Vcam1	0.50816424	3.381927168	0.019104043	0.300602932
uc007dwz.2 Ephx1	0.50668986	3.821575631	0.022120671	0.331397242
uc008fcy.2 Adrb2	0.50432988	5.528479542	0.061012707	0.599596411
uc012bcf.1 Fgf1	0.50421618	4.131911591	0.012053099	0.225276701
uc008cmo.1 H2-M3	0.50398881	2.611907062	0.031936237	0.414833454
uc008fem.1 Atp8b1	0.50283824	4.046002617	0.006074233	0.14778171
uc012cre.1 Cd1d1	0.50206839	8.248765168	1.79E-07	1.96E-05
uc009rmt.1 Sema3f	0.50184732	4.401227936	0.017390312	0.283742072
uc009ljz.1 DQ699523	0.50180894	2.764601252	0.005293854	0.135048297
uc007qfo.2 Phactr1	0.5008958	3.494947128	0.003709161	0.105054851
uc008psq.1 Pear1	0.50062532	3.311623879	0.013984219	0.250334919
uc009ksx.2 Cd209f	0.49998113	2.986599172	0.169259952	0.910191348
uc007dri.1 Cadm3	0.49820585	1.527358041	0.088611998	0.713645267
uc012cgp.2 Ccm2l	0.49820141	2.664273709	0.037266843	0.456535375
uc008pyo.2 Efna1	0.49806761	2.175190742	0.034570395	0.431973508
uc029xmw.1 Armcx4	0.49791821	2.131030258	0.063469813	0.609111688

uc009mro.2 Nkd1	0.49757803	2.18679337	0.027113517	0.374367102
uc008jqk.2 Rbm43	0.4975211	3.859674394	0.000405905	0.019325987
uc007ztg.2 Jam2	0.49657422	5.42404309	0.002306607	0.073425872
uc008non.2 Samhd1	0.4960445	5.971565512	1.79E-05	0.001359983
uc008atf.1 9530082P21Rik	0.4953282	2.785195523	0.005766578	0.144082092
uc008bfi.2 Itpr3	0.49530792	3.837853179	0.015658098	0.265275083
uc007pfk.1 Gpr132	0.49386429	1.395556655	0.33630893	1
uc009clu.3 Htra2	0.49383214	6.360478958	7.79E-06	0.000668871
uc012gve.1 Megf11	0.49313595	3.080772424	0.018640683	0.296266169
uc007zim.1 Cd200	0.49295737	3.356131943	0.011140138	0.212162
uc009kjc.1 Ifitm3	0.49083409	4.929710363	0.009794722	0.198154758
uc008pax.2 Spry1	0.49063677	4.225725919	0.009513992	0.193895856
uc008cpw.1 Clic5	0.49023464	4.862216891	0.008292043	0.178545625
uc008gsk.1 Ms4a6b	0.49002899	2.151717782	0.271106315	0.998835363
uc056yur.1 AK039878	0.48998859	4.087525135	0.033710791	0.428010796
uc007iej.2 B3gnt2	0.48931797	3.851150773	0.016041187	0.270520535
uc008azp.1 Tmem204	0.48865535	4.02019341	0.006452801	0.152719994
uc007zjb.3 Phldb2	0.48842904	2.92927146	0.031055974	0.409479967
uc007sta.1 Arf4	0.48675009	8.110936469	1.64E-08	2.19E-06
uc007sek.1 Flnb	0.48661777	6.144460386	0.006194353	0.149242512
uc007tav.1 Mmrn2	0.48576143	5.05840612	0.002009077	0.067046126
uc009bvm.1 Gimap6	0.48557699	3.466715294	0.019024762	0.299782479
uc009drf.2 Lpcat3	0.48519109	6.838248034	3.03E-05	0.002160945
uc008clh.2 Trim26	0.48482543	5.591089831	9.28E-08	1.04E-05
uc009izh.2 Dchs1	0.48432454	3.550542119	0.030673747	0.405775105
uc029rqa.1 Gm11747	0.48323489	6.336090116	0.009459897	0.193662639
uc007xha.2 Shank3	0.48301984	6.48407866	0.00461367	0.123002439
uc007hkm.1 Gpr182	0.48121619	2.100816932	0.054563287	0.559096537
uc009mih.2 Zfp827	0.47919783	1.752006502	0.048736193	0.535847546
uc008cae.1 Tapbp	0.47855996	8.620109666	1.29E-07	1.43E-05
uc009caq.1 Aqp1	0.47824674	7.979659249	0.005075387	0.13160264
uc012con.1 Gnb4	0.47796067	3.740571399	0.007871162	0.17216802
uc009aoh.1 Flt1	0.4777058	6.595076181	0.009235224	0.191724968
uc007rmo.1 Iqgap2	0.47729791	3.525017819	0.15473028	0.88366493
uc009kue.1 Efnb2	0.47696299	4.0086597	0.002107863	0.069090359
uc008ovi.3 Gpr160	0.47691252	3.32814595	0.007085084	0.161878914
uc009flb.2 Gpr4	0.47547606	3.559430556	0.030600079	0.405772483
uc007zbd.1 Mylk	0.47446612	6.006513124	0.000256892	0.013608489
uc007iqu.2 Flt4	0.47320788	3.098061951	0.033701943	0.428010796
uc011ztv.1 Dennd3	0.47320678	3.940519408	0.03943794	0.472938345

uc007pfl.1 Jag2	0.47296952	4.288366953	0.016786271	0.277992731
uc008dom.2 Ltbp1	0.47224009	3.20939031	0.024274512	0.348228903
uc008ptm.1 Nes	0.47178622	3.713107128	0.063798001	0.610562752
uc009lqo.2 Irf2	0.47147197	5.383885782	0.082443201	0.695443371
uc008lte.2 Rmdn3	0.47078174	5.76370477	4.85E-06	0.000431026
uc008eru.1 Pcdh1	0.47061473	4.323488267	0.023475117	0.342997541
uc007stl.1 Il17rd	0.46989234	3.250694518	0.025360036	0.357761115
uc008jou.2 Arhgap15	0.46856001	1.251490952	0.22442293	0.974788211
uc007kkd.2 Lgals9	0.46753294	5.253119181	6.86E-05	0.004433003
uc007egl.2 Myct1	0.46743528	1.677919382	0.083758644	0.698183593
uc009ojx.1 Icam1	0.46599503	5.400079407	0.003119601	0.093362825
uc008xis.2 Ldb2	0.46568708	1.963298593	0.120347502	0.813885215
uc009ucu.2 Gm6377	0.46447256	2.713275296	0.14720834	0.867095157
uc007yte.3 Eif4a2	0.4643369	8.720489658	8.91E-07	8.71E-05
uc009mxl.2 Adgrg1	0.46404865	5.992855964	0.0097689	0.197994996
uc008fcq.1 Afap1l1	0.46363861	3.779897739	0.048844946	0.535847546
uc008sqy.1 5430416O09Rik	0.46271567	3.134782588	0.024329284	0.348561962
uc009lvj.2 March1	0.46164658	2.415623107	0.206565016	0.96053742
uc008bed.2 Neur1b	0.46156586	3.519658063	0.012235988	0.227923644
uc012aqc.1 Notch4	0.46099576	5.320718157	0.01450879	0.25315438
uc007mwd.1 Metrn1	0.46067697	3.446092742	0.184796694	0.930625075
uc033fsy.1 Slc26a10	0.46011728	1.509882444	0.082886408	0.69697404
uc008fct.2 Ablim3	0.45996418	5.552646383	0.004223088	0.115493729
uc007igk.3 Ccdc85a	0.45817303	4.804702444	0.002290346	0.073118951
uc009mes.2 B3gnt3	0.45807082	2.645374561	0.050022383	0.542398889
uc009cyn.2 Fgd5	0.45774318	4.716298739	0.004185655	0.11501179
uc009jna.1 Vwa3a	0.45763164	3.614462965	0.050588067	0.544104957
uc007zbv.1 Dtx3l	0.45749842	8.00801427	2.24E-06	0.00020951
uc011zna.2 Spata13	0.45680087	3.547605701	0.015402004	0.262952907
uc009mcz.2 Ushbp1	0.4567163	4.4392012	0.010668148	0.206784032
uc008bzq.1 Kank3	0.45660884	5.217093626	0.004411621	0.119146121
uc008hnl.2 Sfrp5	0.456582	3.489250273	0.229566159	0.981022123
uc009mzx.2 Cdh5	0.45647058	6.696226057	0.006716536	0.156851703
uc009qwt.2 Fam46a	0.45592292	7.013816255	0.065732677	0.619534082
uc008cbu.2 Tap1	0.45398181	6.379479762	8.27E-05	0.005251976
uc009hhd.1 Lrrk1	0.45350194	5.350249487	0.000173557	0.009933229
uc007drv.1 Ifi204	0.4529358	3.261583397	0.246428813	0.995630091
uc007zet.1 Cox17	0.45208692	2.868765935	0.023057526	0.338688075
uc009ouz.2 Esam	0.45197461	5.394616259	0.010148494	0.201619186
uc008vtz.1 Agtrap	0.45196424	3.251175514	0.007393854	0.165664316

uc009hjh.1 Arrdc4	0.45101475	3.256243144	0.017179033	0.28238035
uc009pvy.1 Sema7a	0.45038729	5.297035334	0.00880639	0.184583274
uc007xby.1 Parvb	0.44959584	3.697753255	0.04553586	0.514830202
uc008yfm.2 Anxa3	0.44949501	3.528874853	0.071871547	0.653155419
uc007kpp.1 Ccl4	0.44883798	1.804745383	0.189911955	0.936250734
uc008zlp.2 P2rx7	0.44869203	2.146121413	0.164363778	0.904879406
uc009cyx.2 Prickle2	0.4486047	2.987927437	0.016660104	0.276997886
uc008oav.2 Nfatc2	0.448593	2.523754605	0.225877891	0.976944818
uc011xuc.1 Btl9	0.44840794	5.358087135	0.009877052	0.198785095
uc008sag.3 Tmem67	0.44832557	3.34137195	0.008414804	0.179094264
uc007pem.1 Kif26a	0.44829481	4.244759966	0.002444665	0.077153622
uc009fnf.1 Bcam	0.44822619	4.544691527	0.004098261	0.113173491
uc007llb.2 Fkbp10	0.44741685	1.750671327	0.185767121	0.930625075
uc007ijk.1 Hba-a2	0.4471863	1.918910795	0.171077163	0.915101609
uc008ivp.2 Egfl7	0.44702636	4.608196281	0.008526751	0.180780225
uc007lqh.2 Cd300lg	0.44663054	6.509658339	0.002978255	0.090627575
uc007xfl.2 Mapk12	0.44657321	2.298085666	0.053698722	0.558000483
uc008ukh.1 Tie1	0.44567813	5.567651674	0.007305073	0.164677228
uc008xtu.2 Lnx1	0.44442858	4.537714637	0.018140563	0.291729543
uc056yfl.1 AK050506	0.44439195	2.250239409	0.13973728	0.851834194
uc008jtc.1 Pkp4	0.44428786	6.295189528	0.003127308	0.093362825
uc008err.3 Arap3	0.44323156	5.019535784	0.005338236	0.135866709
uc008mco.1 Fbn1	0.44285902	4.823234514	0.053275	0.558000483
uc007egn.1 Syne1	0.44257771	3.264847384	0.075421609	0.669700234
uc008twj.2 Pde4b	0.44158368	4.679611766	0.027809069	0.380643092
uc009ivz.1 AK150759	0.44144831	3.523589924	0.009001217	0.187598958
uc007unl.1 Sorbs3	0.44141282	3.176375614	0.028444819	0.385996889
uc007kzw.2 Itga3	0.44140155	2.979006609	0.057713678	0.581665411
uc008ppn.2 Tlr2	0.44037758	3.617242846	0.111121532	0.78536856
uc008oip.1 Lama5	0.44024601	5.976583125	0.013880599	0.249309094
uc009txc.2 Il2rg	0.43987518	1.690367195	0.102845086	0.762816109
uc007wut.2 Apobec3	0.43871495	2.826802738	0.037962014	0.461395641
uc008gfk.1 AK148054	0.43858593	11.08761533	0.035198199	0.43685315
uc029wnl.1 Trim34a	0.43734515	4.131721374	0.001911444	0.064766303
uc007juc.2 Bcl6b	0.43683521	3.513221593	0.06330063	0.609075579
uc008hey.1 Asah2	0.43657109	6.575139932	4.91E-07	4.98E-05
uc007gwf.2 Socs2	0.43633667	3.956732077	0.079881409	0.683477956
uc008mus.2 Gins1	0.43615123	1.695379018	0.050125734	0.54262528
uc008fmv.2 Ptgn2	0.43561007	5.051374376	0.016377892	0.273691669
uc057bcp.1 abParts	0.43550536	6.344073742	0.05138069	0.549420233

uc007ehm.2 Plekhhg1	0.43537676	3.974332157	0.047255477	0.525134804
uc009jxt.1 AK079777	0.43479441	2.852072064	0.077704051	0.677979788
uc007woy.2 Csf2rb2	0.43436899	3.430611735	0.144115386	0.857242085
uc009fha.3 Meis3	0.43402037	2.264475419	0.043018815	0.498760943
uc009tce.2 Elf4	0.43353395	3.457852666	0.097704119	0.743303999
uc009kqt.1 Ccnd1	0.43348479	3.487233904	0.132498942	0.844537401
uc008ydt.1 Shroom3	0.43304624	3.959823903	0.050548226	0.544104957
uc008ppz.3 Trim2	0.43235019	3.218954803	0.041241722	0.485226642
uc007kzc.1 Acsf2	0.43234842	5.93665955	8.50E-06	0.00071123
uc009avj.2 Gng11	0.43223113	2.062464677	0.086200007	0.704875951
uc009dvr.1 Ccnd2	0.43207047	9.416514139	0.000497472	0.022157575
uc009iwh.1 Trim30a	0.43200764	4.368084	0.033874866	0.428125589
uc007ywy.2 Fam43a	0.43117798	4.314788233	0.012203673	0.22770569
uc007nim.1 F730043M19Rik	0.43075127	2.186368074	0.078167169	0.677979788
uc007jnr.2 Pik3r6	0.42994699	2.316491095	0.10184506	0.762181935
uc008axk.2 Slc9a3r2	0.42954956	4.538712926	0.01726311	0.282920349
uc007woj.2 Foxred2	0.42921037	2.105932236	0.112020432	0.787135938
uc009rei.1 Dbr1	0.42838438	3.566167392	0.005255269	0.134686093
uc007fhi.1 Srgn	0.42743158	4.128800366	0.010415608	0.205081659
uc008hfm.1 Papss2	0.42651373	7.724657852	0.001880321	0.064105019
uc007rmn.1 F2r	0.42596822	2.319414301	0.083875577	0.698183593
uc007yxd.1 Ppp1r2	0.42574796	5.332423669	0.001206008	0.045936411
uc007xsu.1 Grasp	0.42560027	2.966717915	0.047532741	0.526098852
uc007qjm.2 Aspn	0.42540271	2.599450669	0.070388415	0.644885599
uc008vga.1 Syf2	0.42516374	4.405838351	0.000799196	0.032817562
uc008wus.1 AK153014	0.42510608	2.091665881	0.097752727	0.743303999
uc008tfd.2 Rgs3	0.42456146	4.549840955	0.009485016	0.193662639
uc009jsy.2 Fam57b	0.42366208	2.127872324	0.049389393	0.538400398
uc009osb.1 Ets1	0.42310678	5.715282071	0.011948755	0.223704987
uc008iqk.1 Nrarp	0.4229446	2.95173967	0.107049386	0.77589732
uc012ato.1 Ptchd4	0.42235463	1.833114254	0.165110071	0.904879406
uc007woz.2 Csf2rb	0.4209576	5.332590073	0.019618651	0.305221995
uc008jfx.2 St6galnac4	0.42074944	3.193032093	0.138257405	0.851834194
uc008hkl.2 Pdlim1	0.42073834	2.581375458	0.115226726	0.794999638
uc007uwx.3 Ednrb	0.41968479	5.245029093	0.018143961	0.291729543
uc009dsl.2 Lag3	0.419658	3.651545862	0.018781635	0.297938703
uc007qfx.1 Gfod1	0.41952788	4.655697679	0.03050336	0.404976098
uc007muj.2 Cbr2	0.41934378	3.531689746	0.137264683	0.850777789
uc007rpr.2 Map1b	0.41933622	3.657343048	0.117645062	0.803653279
uc008qvc.2 Fam212b	0.41890819	1.959486038	0.154060803	0.883383784

uc012hfb.2 4930578C19Rik	0.4188872	2.760424378	0.094072406	0.733623275
uc007juy.1 Zmynd15	0.41876423	2.472429168	0.0863732	0.705679264
uc012fpt.1 Lrrc32	0.41832554	5.309411964	0.042400939	0.493011337
uc008idq.2 Nmt2	0.41830485	6.99083982	3.22E-05	0.002278474
uc009pvn.3 Cyp1a1	0.41773294	2.910803831	0.262400286	0.995737605
uc009mdr.1 Bst2	0.41768392	4.431989977	0.006067309	0.14778171
uc008pjl.1 Rap2b	0.41703841	5.480806334	0.001329584	0.048955296
uc007wjj.2 Parp10	0.41479351	5.598392387	8.50E-05	0.00536627
uc008ewa.2 Sema6a	0.41478118	4.707058767	0.013846079	0.249094126
uc007btv.1 BC108341	0.41450614	2.033842775	0.06027077	0.596016944
uc007taf.1 Gm5460	0.41407803	2.504720917	0.071015949	0.64829932
uc009cdw.2 Ccser1	0.41402209	2.007108057	0.082476083	0.695443371
uc007xky.2 Endou	0.41394551	4.691978215	0.061338837	0.601730724
uc007jzo.2 Atp2a3	0.4135527	3.94794036	0.016081941	0.270794394
uc008zhw.2 Oas2	0.41296411	2.912095523	0.178089339	0.925234775
uc008jgq.2 Sh2d3c	0.41289147	4.382843552	0.02712692	0.374367102
uc007jub.1 Slc16a13	0.41283195	2.209469212	0.112443322	0.788602499
uc007rhi.2 Arrdc3	0.41158721	7.833633343	0.04768519	0.52620441
uc007lat.2 Abi3	0.41099361	2.444355718	0.063839138	0.610562752
uc007dax.2 Ier5	0.41082252	7.758276663	0.114787653	0.794451386
uc007jyr.2 Xaf1	0.4097074	2.704359501	0.057936353	0.58250784
uc007mma.1 St6galnac2	0.40924226	2.708048761	0.074190567	0.662497175
uc008pru.2 Kirrel	0.40884611	7.074825	0.002525955	0.079492009
uc008xul.2 Kdr	0.40877095	6.669107399	0.007107666	0.161878914
uc007whh.1 Gsdmd	0.40837424	2.104078121	0.181372111	0.929759137
uc007rfj.1 Erap1	0.40786707	7.887865296	1.43E-05	0.00111022
uc009abg.2 Cldn15	0.40732051	5.079166779	0.049539441	0.538926493
uc008xic.3 Cd38	0.40647708	4.172200951	0.017024124	0.280251084
uc008enm.2 Hbegf	0.40635586	2.976365833	0.032315311	0.417858254
uc007dgf.1 Dnm3os	0.40630819	1.565337071	0.179910245	0.92733951
uc007nhb.1 Fam110c	0.40612374	7.303925201	0.224264893	0.974788211
uc007fnq.1 Slc16a9	0.4056259	1.863712077	0.097079174	0.743141424
uc008hai.1 Apba1	0.40555994	2.637359063	0.096739688	0.743141424
uc012dvt.1 Cpeb2	0.40526391	7.623060907	0.125272453	0.825562738
uc009rvf.2 Als2cl	0.40506732	4.725087417	0.00885433	0.185236615
uc007vcy.3 Ptger4	0.40494973	4.012212536	0.082288265	0.695443371
uc009qtt.2 Ick	0.40439615	4.845489947	0.001481198	0.051896842
uc008dlx.1 Myom1	0.40435169	1.867785732	0.145205945	0.860464731
uc009pzi.1 Uaca	0.40341756	4.731023335	0.014505646	0.25315438
uc008tlz.1 Plin2	0.40329421	8.999930941	0.0047008	0.124795517

uc007umn.3 Loxl2	0.40299279	1.816933334	0.148437321	0.87031255
uc008ies.2 Frmd4a	0.40216767	3.378264043	0.133382062	0.846160234
uc009izp.1 Gvin1	0.40210553	2.994750438	0.019243251	0.302190042
uc009ioq.3 Pde2a	0.40174085	6.381518427	0.011480746	0.216780035
uc009izn.1 Gvin1	0.40098987	3.85397478	0.014005702	0.250334919
uc009omo.1 Dock6	0.40034914	5.134939183	0.006375579	0.152105075
uc008ubd.1 Zcchc11	0.40019456	5.92048139	0.000310002	0.015853136
uc008ona.1 Sox18	0.40015778	3.264941632	0.111087064	0.78536856
uc008meu.2 Itpril1	0.39994773	3.599221032	0.034959628	0.434380262
uc008jaz.1 Pkn3	0.39884236	2.255034461	0.111595959	0.785719699
uc009iga.1 Prss23	0.39832072	2.859450343	0.317998322	1
uc007uhy.1 Sox7	0.39730503	4.898610314	0.040798014	0.482336407
uc008ufc.1 Cyp4b1	0.39700398	4.600060174	0.024498427	0.349967522
uc009loz.1 Tlr3	0.39698507	4.696145162	0.002573648	0.080534044
uc007ouc.2 Rin3	0.39634525	4.134994568	0.081658012	0.692776036
uc007uqf.1 Lrch1	0.39541013	4.659216175	0.003322723	0.097354889
uc008dpx.1 Cdc42ep3	0.39489471	3.526218349	0.062082155	0.605828305
uc008fpu.2 Lipg	0.39469892	2.664268434	0.063442964	0.609111688
uc007tzd.1 Psme1	0.39459912	5.8974058	3.67E-05	0.002518277
uc007dmv.1 Fcgr2b	0.39396933	2.643914686	0.239475909	0.990265182
uc008mfx.1 Mall	0.39374378	1.99476889	0.111254462	0.785482776
uc007mxh.1 Efr3b	0.39332815	2.81749053	0.159082983	0.890638941
uc007vde.1 Dab2	0.39191259	5.056433618	0.106924854	0.77589732
uc008txl.1 Slc35d1	0.390693	4.350908251	0.002572309	0.080534044
uc009lcv.2 Thsd1	0.3900527	1.77050909	0.134431445	0.848046686
uc007xlf.2 Hdac7	0.39002342	4.057099394	0.01257727	0.233101548
uc012cyw.1 Lmo4	0.3896768	7.815185165	0.000254828	0.013598191
uc007pie.1 Dnah11	0.38958262	2.661865494	0.05372065	0.558000483
uc007vos.1 Zfpm2	0.38913124	1.741055079	0.14566984	0.860464731
uc007jrq.2 Chrn1	0.3885204	1.77800843	0.126407226	0.827678847
uc007nbq.1 Trib2	0.38720489	2.613413366	0.142288447	0.854711616
uc008fqv.2 Katnal2	0.38709035	3.740639049	0.033851646	0.428125589
uc009phu.2 Nxpe4	0.38700302	3.173827445	0.060841847	0.598800315
uc008kan.1 Slc25a12	0.38666498	1.781802385	0.182202128	0.929759137
uc007cgq.3 Zcchc2	0.3852838	6.217232578	0.000122899	0.007338047
uc009ntl.2 Cbfa2t3	0.3851409	3.685121101	0.08507771	0.701843455
uc009nep.2 Psm10	0.38396565	5.065948741	0.000989467	0.038895577
uc008pou.2 Gucy1a3	0.38379202	3.792976132	0.078321963	0.677979788
uc009irw.2 Trim21	0.38376825	3.952704336	0.009653406	0.196013821
uc007hhd.2 Lrig3	0.38350644	5.72899836	0.047598919	0.52620441

uc008iky.1 Arl5b	0.38313465	5.663762518	6.69E-05	0.004350122
uc057aet.2 Clec7a	0.38284606	1.525502057	0.537130094	1
uc008yjp.1 Slc10a6	0.3828147	3.378295575	0.19516674	0.945636923
uc007xpj.2 Fmnl3	0.3821571	3.93872559	0.058120985	0.583110268
uc008zcy.1 2210016L21Rik	0.38195448	2.874978666	0.027489317	0.378140716
uc007ujq.1 Cc dc25	0.38194829	4.646477357	0.002407537	0.076199593
uc009dun.1 Cd9	0.38141362	2.272109454	0.340527725	1
uc008dyl.1 9430020K01Rik	0.38133342	6.204062337	0.014436556	0.25315438
uc007lgi.1 Erb b2	0.38108947	2.771572258	0.06743368	0.629115229
uc009iwj.3 Trim30d	0.38093601	2.616898538	0.163047584	0.902791655
uc007mno.2 Tmc6	0.38051752	2.881926989	0.082756474	0.696743913
uc007sjs.2 Anxa7	0.38043965	7.548864018	4.12E-05	0.002811549
uc008mjv.1 Slc4a11	0.38019785	1.852384399	0.101203798	0.759746792
uc007rik.2 Mef2c	0.3799479	3.838638168	0.024850456	0.352825371
uc008ibi.2 Slc18a2	0.37972095	2.311117725	0.071949706	0.653155419
uc008jqm.2 Nmi	0.37964734	2.370465287	0.07631313	0.673824808
uc008gsh.2 Ms4a6c	0.37921131	1.986828963	0.431072068	1
uc009bwo.2 AK005187	0.37748923	4.012602576	0.053917199	0.55862649
uc009daw.2 Frm d4b	0.37736416	4.903475326	0.12278859	0.820025857
uc008xni.2 Rfc1	0.3772829	6.153482139	0.000183438	0.010338066
uc007nzp.2 Tmem229b	0.37718137	2.398972351	0.077489273	0.677979788
uc008jug.2 Pla2r1	0.37604131	1.692862765	0.154108324	0.883383784
uc008jva.2 Tank	0.37595842	6.677217808	0.00174506	0.059863139
uc012alr.2 Gm16386	0.37559876	1.810782465	0.167218553	0.906327839
uc007htv.1 Slc35e4	0.37540389	5.124898753	0.117458657	0.802876436
uc011zmm.2 Setdb2-phf11c	0.37401976	3.260813286	0.077461303	0.677979788
uc007ppu.2 Aoah	0.37143913	1.596379885	0.281188227	1
uc029roj.1 Arhgap27	0.37125397	4.031789707	0.078428866	0.677979788
uc009mxp.2 Adgrg3	0.37113043	2.400664681	0.148773188	0.87031255
uc008hcn.2 Slc1a1	0.37105587	2.336328935	0.185997778	0.930625075
uc011xlt.1 Elk3	0.37079814	4.03421594	0.044156138	0.505439073
uc007uaz.2 Nynrin	0.37020963	2.464286391	0.107881414	0.77784471
uc009lot.4 Klkb1	0.3701474	6.912215377	0.001069797	0.04131809
uc008hmj.3 Frat2	0.37000899	4.551785463	0.257891306	0.995737605
uc008lks.1 Rcn1	0.36925454	4.583437746	0.002884359	0.088501743
uc012axi.1 Rasgrp3	0.36777441	3.428431583	0.08864035	0.713645267
uc008tkq.1 Ttc39b	0.36749743	5.413919237	0.027053984	0.374367102
uc009cor.2 Dysf	0.36742669	5.802205989	0.022534543	0.334868439
uc057blh.1 Ms4a4a	0.36706056	1.860568224	0.32816964	1
uc007pdn.2 Ckb	0.36691539	4.141433239	0.024088061	0.347358641

uc007stb.1 Pde12	0.36683994	5.725599719	0.003513194	0.101854951
uc007zfg.1 Arhgap31	0.36647836	6.166179217	0.008358319	0.178926347
uc009cdk.1 Gprn3	0.36622319	4.184848506	0.222443903	0.973114992
uc008nzf.1 Zfos1	0.364876	2.53615008	0.072497909	0.654623155
uc008pep.1 Lhfp	0.36440768	2.31453152	0.073072339	0.656759196
uc008ugm.1 Pik3r3	0.36366185	4.618498485	0.020646655	0.31719464
uc008crb.2 Slc29a1	0.36341757	2.69999453	0.126556555	0.828165704
uc008hvu.1 Itrip	0.3630157	2.341463945	0.203072867	0.955905202
uc009bzl.1 AK039090	0.36261754	2.421815181	0.09074874	0.724523914
uc011zqy.2 C7	0.36220918	1.795240217	0.245284711	0.995630091
uc009jsf.1 Sult1a1	0.36218472	7.671901495	0.001036541	0.04031559
uc007yok.2 Cldn5	0.36204429	5.769320012	0.062139297	0.605828305
uc012byn.1 Ube2l6	0.36187491	3.596330618	0.017304154	0.283172866
uc007dec.2 4930523C07Rik	0.36144009	7.171356298	0.003669504	0.104467377
uc008eci.2 Ttc39c	0.36044684	4.824363864	0.064830915	0.615225333
uc012hba.1 Pfkfb4	0.36018412	4.925144181	0.104296526	0.766175082
uc008cfh.2 Ddah2	0.36016923	2.013746678	0.112643056	0.789502029
uc007ezu.3 Prdm1	0.35999954	2.691573372	0.189032084	0.935758574
uc007fee.1 Ddit4	0.35968643	4.707296893	0.147498805	0.867095157
uc007xpn.1 Nckap5l	0.35953204	2.550124863	0.111287393	0.785482776
uc007mbr.1 Cep112	0.35913453	1.765332243	0.10815516	0.778651843
uc007gxp.1 Kitl	0.3590574	6.778022509	0.031192932	0.410187056
uc009rrm.2 Shisa5	0.35864351	6.485766369	0.000122471	0.007338047
uc008maf.1 B2m	0.35835692	9.736226698	0.00011802	0.007162927
uc007zjv.1 Retnla	0.35793024	4.745090954	0.197172841	0.949024065
uc008hci.2 Glis3	0.35686186	5.441261983	0.219404833	0.969299131
uc008wsh.1 Wdr86	0.35675857	1.175825013	0.412007311	1
uc009rnv.2 Fam212a	0.35563596	2.078196683	0.133912877	0.847301547
uc007vqg.2 Sybu	0.35550598	5.046980384	0.186847696	0.931060382
uc009dra.2 C1ra	0.35542037	5.49330383	0.001481965	0.051896842
uc007evx.2 Fyn	0.35492903	2.684871565	0.193883164	0.943260329
uc008hze.2 Adrb1	0.35409497	3.797352213	0.06215385	0.605828305
uc008qcg.1 Npr1	0.35342746	5.102762225	0.013283718	0.241733029
uc007bjv.2 Fn1	0.35277126	5.296018329	0.316613861	1
uc007kwc.1 Trim25	0.35166896	7.441444957	0.007155394	0.162630625
uc007eov.2 Sgk1	0.35121829	7.24299547	0.034020258	0.429187237
uc057bft.1 AK029413	0.35071855	4.796065349	0.211090453	0.964311475
uc008mkr.1 Hspa12b	0.3506194	4.925447333	0.047226981	0.525134804
uc057ade.1 AK171899	0.34947828	5.627554276	0.121017223	0.815294406
uc011ynt.2 Prkch	0.3489866	4.493376185	0.070119733	0.64437818

uc009czb.2 Adamts9	0.34880915	7.038631127	0.03792592	0.461395641
uc007kdv.1 Mir22hg	0.34874135	5.439110352	0.008997202	0.187598958
uc008jkk.3 Ggta1	0.34837539	4.34458889	0.116867464	0.800817621
uc007urz.2 Enox1	0.34776015	2.770432766	0.080681436	0.688190847
uc057bfz.1 AK140921	0.34707661	2.419314733	0.083940821	0.698200536
uc007qjl.1 Ecm2	0.34706029	4.319507051	0.015329258	0.26211607
uc009ucs.1 Hmgn5	0.34655997	2.90704557	0.032956261	0.423296346
uc007arv.3 Mgat4a	0.34647044	5.102450659	0.046641652	0.521461218
uc008uhy.2 Btbd19	0.34597196	2.300498742	0.080657775	0.688190847
uc007nte.2 Sav1	0.34579994	7.457493618	0.005445385	0.137757075
uc007ugp.2 Ints6	0.3441127	3.206975274	0.102866808	0.762816109
uc029wgd.1 E030018B13Rik	0.34374474	1.799447355	0.177538385	0.925065256
uc007kmq.2 Ccl7	0.34314999	4.078271164	0.196394843	0.948796
uc009orz.2 Fli1	0.34294146	4.506414375	0.076177945	0.673169263
uc007dyp.2 Marc1	0.3428991	3.146001973	0.28625211	1
uc008oud.1 Eif5a2	0.34182211	2.734297751	0.085335557	0.703445197
uc009ach.2 Ephb4	0.34158398	5.779194491	0.001476976	0.051896842
uc009iqd.1 Il18bp	0.3412593	3.410874317	0.037215888	0.456535375
uc011yoj.1 Slc10a1	0.33976033	2.095971537	0.123458883	0.820478012
uc009fpr.2 Plaur	0.33870156	2.950974357	0.282846207	1
uc008ejr.1 Stard4	0.33787866	2.656856046	0.086673275	0.706042033
uc008cj.1 H2-T24	0.33761922	2.793669448	0.091019345	0.7248736
uc007jkn.1 Hs3st3b1	0.3375561	6.001419905	0.416097151	1
uc009epk.1 Kcnj8	0.3375497	1.937023621	0.256283397	0.995737605
uc009ihr.2 Dlg2	0.33712791	2.032159059	0.149675006	0.872274804
uc008kik.2 Tfpi	0.33704633	5.054767479	0.030736566	0.406119743
uc008yse.1 Mn1	0.33694971	2.481848749	0.106087584	0.772474259
uc008rjq.2 Sgms2	0.33685885	3.168333653	0.172033481	0.917567278
uc009bvi.2 Gimap4	0.33677831	2.143638526	0.271315791	0.998835363
uc007pzz.1 Serpinb9	0.33627341	5.042872297	0.001133262	0.043347416
uc008lfr.1 Trp53i11	0.33613233	2.953423484	0.157744834	0.88809429
uc033fux.1 Psme2b	0.3360817	4.053467189	0.010730353	0.207372376
uc009czf.1 AK007436	0.3357212	4.430778575	0.04082786	0.482336407
uc007idm.1 Peli1	0.33570872	5.681459266	0.077579135	0.677979788
uc007doc.1 Pfdn2	0.33559494	1.819029263	0.253038986	0.995737605
uc009rmh.2 Sema3b	0.33520842	3.500805338	0.062484945	0.607623863
uc009odw.2 Maml2	0.33495888	4.972957709	0.023031551	0.338688075
uc007usv.1 Naa16	0.33491119	4.236758748	0.010626658	0.206658563
uc007knv.2 Unc45b	0.33453298	3.575673231	0.072223842	0.653921773
uc009inc.1 Dnajb13	0.33439556	1.696649987	0.185240084	0.930625075

uc008lmq.1 Lgr4	0.33384367	6.826211915	0.049164911	0.537698618
uc008shw.2 B4galt1	0.33368779	8.102957008	0.27359823	0.998835363
uc008cbx.2 Tap2	0.33347906	6.883268029	0.000416637	0.019583712
uc008utq.2 Psmb2	0.33340467	5.699559642	0.000211157	0.011720788
uc009azj.1 AK047082	0.33330385	2.788180375	0.12576257	0.826396995
uc009blx.1 Dennd2a	0.33303251	5.609230054	0.08782397	0.709474627
uc009twm.3 Dlg3	0.33271956	2.221343991	0.18232902	0.929759137
uc009bxt.1 Snx10	0.3323552	7.610599094	0.000596832	0.025356186
uc007bgn.1 AK150559	0.33203823	4.159745248	0.065789741	0.619534082
uc008fxl.2 Tcirg1	0.33191869	5.046160602	0.202509081	0.955905202
uc008fod.1 4930503L19Rik	0.33151851	2.540711082	0.191354996	0.937758335
uc007nji.1 Ahr	0.33067265	4.146877029	0.052062102	0.553333933
uc008eix.2 Myo7b	0.32993942	2.59149165	0.224182467	0.974788211
uc007ppy.2 Trim27	0.32987951	4.475351171	0.006290159	0.151045857
uc007dlu.2 Ddr2	0.32978492	7.310138835	0.013707913	0.247010783
uc009fyo.2 Plekkg2	0.32916758	4.852927937	0.050324729	0.542858356
uc009ahd.1 Mafk	0.32913669	6.030298477	0.02447731	0.349967522
uc009nsj.1 Zfpm1	0.32908565	2.320383529	0.173187817	0.920674031
uc007qgz.1 Mylip	0.32890298	5.578477751	0.02481802	0.35281834
uc007moo.2 Dnah17	0.32830614	2.509058296	0.30238153	1
uc007ods.3 Papln	0.328279	2.79730225	0.093647283	0.733345026
uc008cht.1 H2-Q10	0.32821816	6.325736801	0.062489653	0.607623863
uc007uer.2 Shisa2	0.32796887	1.617566327	0.251397047	0.995737605
uc007qcn.2 F13a1	0.32772978	6.108448984	0.156546488	0.887686092
uc008kbj.3 Pdk1	0.3275898	6.89835833	0.000715122	0.029585159
uc007hix.1 Lrp1	0.32741247	12.06786764	0.002994814	0.090881083
uc011zuq.1 Plec	0.3271581	4.066403446	0.010612063	0.206658563
uc008shf.1 Ddx58	0.32675412	5.99454961	0.001269424	0.047371832
uc008hig.1 Fra10ac1	0.32655081	1.879614582	0.166665839	0.905719403
uc008ybv.2 Btc	0.3265379	4.49114876	0.067832868	0.631239986
uc009tbi.1 Prr32	0.32633515	2.948031438	0.298948389	1
uc008jrw.2 Nr4a2	0.32568416	4.134176039	0.030638909	0.405775105
uc009efe.2 Clec2d	0.3256601	7.93411885	0.000899586	0.036003003
uc009inz.2 P2ry2	0.32450712	2.714729806	0.13163964	0.842045575
uc012gio.1 Nlrc5	0.32378353	7.369539443	0.003156168	0.09371782
uc012enh.2 Atoh8	0.32344486	2.56050203	0.119542122	0.810730177
uc007hzi.2 Igfbp3	0.32342545	3.208517408	0.28216666	1
uc008res.3 Fnbp1l	0.32252615	4.213580543	0.045357711	0.514395565
uc007nkr.1 Arl4a	0.32200813	8.447402931	0.000829524	0.033687233
uc007ibg.1 AK040873	0.32200346	1.794738421	0.227708234	0.979557104

uc009bli.2 Kdm7a	0.32192684	8.171054774	0.021810506	0.328993339
uc008quo.3 Mov10	0.32151471	5.160512966	0.00410926	0.113194221
uc008opi.2 Pmp2	0.32045568	3.344767794	0.262380282	0.995737605
uc009llf.2 D8ErtD82e	0.32022388	4.279544695	0.08097484	0.68962844
uc008emt.3 Tmem173	0.31930447	2.715080053	0.168980881	0.910191348
uc008kcu.2 Wipf1	0.31928347	3.793569165	0.197607338	0.949515999
uc012bko.1 AK087678	0.3188859	3.944565977	0.223186154	0.974432513
uc012ewb.1 2810474019Rik	0.31845712	6.940526269	0.136514168	0.850777789
uc008xma.2 Arap2	0.31788633	6.764476073	0.000521233	0.023030158
uc008mte.1 Cd93	0.3177868	6.63792695	0.195706108	0.946898672
uc007jol.1 Arhgef15	0.31772826	4.180208338	0.103549604	0.764067421
uc008vos.2 Fblim1	0.31706995	2.753998217	0.378241701	1
uc008ngk.2 Bcl2l1	0.31669062	5.057773488	0.034075431	0.429187237
uc008mas.1 Slc28a2	0.31603373	3.393015866	0.134142895	0.847301547
uc009mkf.2 Scoc	0.31562096	4.950337484	0.005990643	0.147050315
uc008lzf.2 Hypk	0.31527547	1.690271002	0.200794233	0.955905202
uc007kwd.1 Dgke	0.3147612	4.86393882	0.009879868	0.198785095
uc009mjv.2 Tbc1d9	0.31449497	3.311265958	0.272785665	0.998835363
uc008ypg.2 Crlf2	0.31388226	1.843284706	0.292423915	1
uc009uew.2 Pcdh19	0.31264125	4.563960023	0.109423425	0.781312964
uc007ote.1 Ccdc88c	0.31242397	3.381002185	0.163387416	0.902840119
uc007xxa.1 Hoxc9	0.31184921	2.23449979	0.158973009	0.890474575
uc008eaz.1 Snrpd1	0.31184373	1.555941318	0.198599911	0.952141763
uc009bjk.2 Trim24	0.31155595	6.674968221	0.001014142	0.03958379
uc007kmp.1 Ccl2	0.3113779	3.259399465	0.274040213	0.998835363
uc012ddh.1 Reck	0.31049435	1.994062448	0.190181355	0.936577462
uc007cxg.2 Rgs2	0.31041491	5.546676363	0.33212374	1
uc007zcg.2 Cd86	0.31026151	2.62659358	0.316810677	1
uc029swq.1 Morf4l1-ps1	0.31025129	2.612344991	0.189353287	0.936250734
uc007cto.1 Csrp1	0.30991876	6.379537747	0.003575903	0.102105026
uc008oqo.2 Car13	0.30970759	5.574516762	0.003719438	0.105076503
uc012dew.1 Susd1	0.30934154	2.147965328	0.239134611	0.990265182
uc008xio.1 AK040452	0.30882539	2.983244253	0.199329379	0.954396327
uc008jhc.2 Fam129b	0.30880722	6.378077366	0.151760489	0.875538409
uc009azh.1 Tes	0.30838273	3.162242541	0.191934071	0.938929914
uc007mow.1 Timp2	0.30797868	4.93305705	0.253857113	0.995737605
uc008jhm.2 Ralgps1	0.30780103	4.164693585	0.037352315	0.456535375
uc008hig.2 March5	0.30769595	7.880610385	0.000432391	0.02005209
uc009nhq.1 Nqo1	0.30763004	2.216370369	0.175888364	0.922282106
uc007crc.3 Prelp	0.30738088	9.301539178	0.044068824	0.504962896

uc008ltr.2 Dil4	0.30575258	4.628767104	0.142293756	0.854711616
uc009jyo.2 Tgfb1i1	0.30562239	3.366364788	0.084734127	0.701685767
uc009bao.1 Lsm8	0.30556707	2.060388385	0.177153757	0.925065256
uc008dno.2 Xdh	0.30552983	9.355484824	0.000726742	0.029953688
uc009lly.1 Purg	0.30464136	2.832378639	0.093676429	0.733345026
uc007ldr.2 Tbx21	0.30429481	1.588258178	0.335152792	1
uc007tmo.2 Rnase4	0.30341451	3.37179877	0.254931626	0.995737605
uc007asi.1 Mitd1	0.30302045	2.472035475	0.122378655	0.819269471
uc007xks.2 Amigo2	0.30277023	3.247589879	0.071005899	0.64829932
uc008cpo.1 Rcan2	0.30206188	1.728797965	0.259646731	0.995737605
uc008uoz.1 Heyl	0.30140431	1.780749451	0.333731666	1
uc008foo.1 AK085760	0.30093836	3.185684941	0.287367806	1
uc008mej.2 Sppl2a	0.30019799	7.255674899	0.00134721	0.049439477
uc008fnl.2 Mc5r	0.29995392	3.777541963	0.150038215	0.872274804
uc007dtl.2 Rgs7	0.29923652	5.150188514	0.014136527	0.251452613
uc007kkj.1 Wsb1	0.29921858	6.018861825	0.045827711	0.515179177
uc007bgp.2 Klf7	0.29888767	2.72603405	0.198686508	0.952143672
uc029tsd.1 DQ716210	0.29878251	1.714411626	0.276562088	1
uc008ngf.2 Id1	0.29876094	4.601158502	0.049329903	0.538400398
uc007qjr.1 Ogn	0.2984975	5.228676476	0.119739787	0.810896239
uc009flo.1 Ppp1r13l	0.29848015	2.921026818	0.176425244	0.922287386
uc009bym.1 Hoxa10	0.29822967	3.277767735	0.078095256	0.677979788
uc007tme.2 Pnp	0.29810281	6.694015337	0.00547052	0.137962027
uc008nti.2 Pkig	0.29791857	2.975941427	0.095942029	0.741939051
uc009dkm.2 Rassf4	0.2978332	4.151176553	0.384054501	1
uc007hfs.1 Rassf3	0.29774823	4.408571989	0.054534323	0.559096537
uc009ddv.2 Lmcd1	0.29731997	1.985909593	0.219371041	0.969299131
uc007tzg.1 Psmc2	0.29715966	4.731800298	0.011006864	0.210938903
uc009cxw.1 Fbln2	0.29654842	4.945117862	0.366964939	1
uc008dxy.2 Gm6225	0.29620966	2.070047636	0.230565584	0.981022123
uc029sdk.1 Gm7120	0.29614538	2.929538328	0.124930997	0.82403019
uc008hhk.1 Pcgf5	0.2960994	5.214450478	0.03430368	0.430589144
uc009eri.2 Kras	0.29559616	5.588155986	0.007831546	0.17216802
uc009jja.1 Plekha7	0.29493602	1.898457415	0.283471678	1
uc007zbp.1 Hspbap1	0.29345534	2.298387719	0.17590986	0.922282106
uc007elt.2 Cited2	0.29215856	5.332237637	0.067211585	0.628636048
uc007zqk.2 Vgll3	0.29140449	2.997111725	0.401991049	1
uc007fgz.2 Hk1	0.29129616	4.082689535	0.090451945	0.723484567
uc008fbk.2 Pdgrfb	0.29101631	4.664365809	0.168914899	0.910191348
uc007gaz.1 Cnn2	0.29097856	2.455881967	0.267090237	0.99851571

uc007qfe.3 Nedd9	0.29050228	5.858388807	0.023102178	0.3388933
uc012cxm.1 Alpk1	0.29025962	2.864575959	0.235642852	0.987072786
uc009cdj.1 Tigd2	0.28894916	4.864614735	0.009966181	0.199793903
uc009fsu.1 Ceacam1	0.28858433	2.039901172	0.24595055	0.995630091
uc007frc.2 Gstt1	0.28832583	6.130023829	0.043195183	0.500054671
uc009lhx.2 Adgra2	0.28651759	2.646914543	0.176389472	0.922287386
uc009eco.1 Tspan9	0.2865036	4.508274837	0.04609907	0.516440491
uc008chm.2 H2-Q4	0.2862756	7.106962433	0.06087749	0.598800315
uc007aya.2 Stat1	0.28618089	8.229459991	0.004823227	0.126549563
uc009mrr.1 Nod2	0.28604874	2.482241299	0.314953637	1
uc008lvd.1 Ehd4	0.2853338	4.890828324	0.17565888	0.922282106
uc009cgk.2 Smyd1	0.2851058	2.602728834	0.326381184	1
uc008pry.1 Fcrls	0.28508751	2.71061401	0.273972991	0.998835363
uc007mdh.1 Abca9	0.28505233	4.430424008	0.183157331	0.929759137
uc007woc.2 Myh9	0.28425925	8.336785477	0.021984397	0.330085083
uc008cap.1 H2-K1	0.28402022	10.43129804	0.001740411	0.059863139
uc007rsb.2 Mast4	0.2836075	5.791243813	0.023000425	0.338688075
uc011zhf.2 Kcnma1	0.28352566	3.478932927	0.092549475	0.727658819
uc009mjm.1 Il15	0.28334896	2.507603121	0.250237349	0.995737605
uc009gbg.2 Kcnk6	0.28324482	2.338180828	0.364839231	1
uc008gio.2 Pygm	0.28319663	2.071270928	0.228088144	0.979572956
uc009rgd.1 Slco2a1	0.28311406	2.955128827	0.638683961	1
uc009inv.1 Arhgef17	0.28285171	4.367778579	0.246396021	0.995630091
uc008mml.1 Pcna	0.28270019	4.816210499	0.007048742	0.161871936
uc009mjax.2 Ucp1	0.28255619	1.119525723	0.671664558	1
uc007mqo.1 Rnf213	0.28180991	3.974485137	0.054380035	0.559096537
uc008spg.3 Unc13b	0.28139663	3.956108044	0.064635253	0.614424268
uc008vbw.1 Themis2	0.27984446	2.778704459	0.219309616	0.969299131
uc009tvg.2 Stard8	0.27980377	4.678329834	0.077175044	0.677979788
uc012fny.1 Whamm	0.27948664	6.112451574	0.00823016	0.177559264
uc056ycr.1 AK142979	0.27917452	3.943180537	0.103058437	0.762816109
uc007oee.1 AK132490	0.27899498	4.898596175	0.27743074	1
uc008rhm.1 Tifa	0.27890439	1.964387372	0.360651918	1
uc008ttk.1 Cyp2j9	0.27868495	3.596528604	0.053418955	0.558000483
uc033fpl.1 Cdh23	0.27862258	3.639548071	0.17322965	0.920674031
uc012glu.2 Crispld2	0.2785364	4.182612407	0.222783503	0.973829272
uc008hdb.2 Jak2	0.27755973	6.88364915	0.01438831	0.253106619
uc008voc.2 Epha2	0.27684683	4.386652653	0.188441823	0.934678209
uc007bgx.1 Ccnyl1	0.27674486	3.771863094	0.054916726	0.560641976
uc007lci.2 Snx11	0.27672491	3.689842287	0.067375025	0.629099343

uc008sqx.1 Hrct1	0.27637524	4.458773989	0.021389867	0.3241049
uc012brm.1 Gm13375	0.27593419	1.931659469	0.214009724	0.968295717
uc008mag.1 BC002288	0.27559808	4.544749667	0.050656929	0.544315596
uc009blg.2 Parp12	0.27550946	5.725230574	0.003118327	0.093362825
uc009kpd.2 Cdkn1c	0.27546477	3.4211043	0.197720972	0.949515999
uc008vbl.3 Atpif1	0.27532116	2.175339582	0.189672336	0.936250734
uc009adb.1 Pcolce	0.27501115	4.060818044	0.370040669	1
uc012cch.1 AK087617	0.27488865	2.661918056	0.222350506	0.973091795
uc012aku.1 Prdm9	0.27434701	3.350328646	0.137685698	0.850777789
uc009rbg.1 Pcolce2	0.2738939	2.478920779	0.202265286	0.955905202
uc007ohx.2 Vash1	0.27286696	2.899546948	0.188643898	0.935260547
uc009iat.1 Fes	0.27256789	2.90139331	0.396321088	1
uc056yqi.1 AK042046	0.27159785	2.840686606	0.275142755	0.999357935
uc007skb.1 Usp54	0.2701497	4.673493096	0.078655819	0.677979788
uc008mmk.2 Tmem230	0.27005157	3.900094737	0.050527822	0.544104957
uc007wzd.2 Cyp2d22	0.26928839	4.917153732	0.075718187	0.671634037
uc008nyi.2 Ncoa3	0.26874624	6.414674265	0.085769435	0.704875951
uc008iql.2 Tor4a	0.26791649	2.350172312	0.227787749	0.979557104
uc007dwg.1 Itpkb	0.26746684	5.624614182	0.137000781	0.850777789
uc007ijt.1 Stk10	0.26746329	3.400803304	0.174622413	0.922282106
uc007xsn.2 Acvrl1	0.26736743	5.101654828	0.056556831	0.572094094
uc008hgi.2 Fas	0.26658415	5.324997348	0.103350966	0.76311148
uc008wgf.2 Agrn	0.2665086	6.517776985	0.001269103	0.047371832
uc009exh.1 Pira6	0.26639558	1.978611245	0.582355226	1
uc009pmd.2 Atm	0.26637702	6.631280388	0.004340949	0.117532685
uc008szs.1 Ugcg	0.26637098	5.538224864	0.024624359	0.350836445
uc007htu.2 Dusp18	0.26636123	5.774204644	0.078676631	0.677979788
uc007yto.2 St6gal1	0.2656202	3.068391055	0.237098636	0.990123236
uc009uky.2 Prps1	0.26526975	7.394155445	0.014663532	0.254275307
uc009kqn.2 Ano1	0.26514112	3.113542489	0.260365161	0.995737605
uc009gkr.1 Ccne1	0.26508356	2.165551256	0.283425661	1
uc057bqx.1 AK047352	0.26486599	1.792461235	0.334036504	1
uc008qxu.1 Gstm6	0.26455274	1.969089663	0.269632318	0.998835363
uc007kgr.1 Coro6	0.26438332	2.327771602	0.239522657	0.990265182
uc009tav.2 Xiap	0.26436322	8.211070957	0.006700947	0.156819207
uc007mqq.2 mKIAA1554	0.26376379	6.367308825	0.011673871	0.219675604
uc008ntl.2 Ada	0.26364148	1.779486718	0.272427452	0.998835363
uc007nie.2 Ccgc71l	0.26322111	5.983126372	0.097728362	0.743303999
uc007piz.2 Asb13	0.26301874	5.20893319	0.008706221	0.182830638
uc007kez.2 Fam101b	0.26296014	5.553327973	0.045487614	0.514830202

uc008uja.2 Ccdc24	0.26230201	2.986576627	0.096285731	0.742718003
uc007rvs.2 Plk2	0.26217156	4.954908906	0.133436893	0.846160234
uc008aiy.1 Rnaset2b	0.26206516	2.445155136	0.179025555	0.926237135
uc012dfu.1 Rgs3	0.26176371	2.394077619	0.255843122	0.995737605
uc008xgo.1 Slc2a9	0.26173802	1.788937536	0.261772928	0.995737605
uc008uxf.2 Marcksl1	0.26157954	2.201784508	0.256060006	0.995737605
uc007cuw.2 Zfp281	0.26077871	5.55124056	0.014591032	0.25341594
uc009bzb.2 9430076C15Rik	0.26049515	2.076033096	0.310834605	1
uc009bkq.2 AK015545	0.26025459	2.440690866	0.219898428	0.969299131
uc008isw.1 AK039020	0.26021758	2.384928436	0.447624304	1
uc033fkj.1 Acr3	0.25984868	3.514213041	0.309480063	1
uc007ktw.2 Sept4	0.2597784	2.367561021	0.244813009	0.995630091
uc007djj.1 Rcsd1	0.25915531	2.685393276	0.22922597	0.981022123
uc007cos.1 Tmcc2	0.25911255	3.214107028	0.148058592	0.869460501
uc007awv.1 Slc40a1	0.25881396	2.568440777	0.486024417	1
uc008syp.1 Txn1	0.25860611	6.020806005	0.005218238	0.134674432
uc008bpe.1 Al413582	0.25857853	2.00619044	0.288524479	1
uc008pkr.1 Tiparp	0.25853722	8.25913255	0.091852906	0.726956036
uc011wry.1 Pik3c2b	0.25853435	3.081424232	0.201878458	0.955905202
uc008fmy.1 Seh1l	0.25847147	6.541506204	0.003825606	0.107525814
uc029rrt.1 Gdap10	0.25838073	5.594493904	0.074789156	0.664618679
uc007use.2 Epsti1	0.2582821	1.18743847	0.472859799	1
uc057bdx.1 AK079445	0.25788584	3.776495274	0.221096922	0.970204378
uc008gzg.2 Tmem2	0.2576414	4.341944059	0.068684651	0.635419309
uc009esn.2 Ppfbp1	0.25757912	7.334081975	0.00434124	0.117532685
uc008rzb.1 Trp53inp1	0.25753294	6.739137154	0.189167925	0.935758574
uc007fgk.2 Aifm2	0.25749991	1.920997589	0.248592731	0.995737605
uc007zli.2 Alcam	0.2568839	6.709986799	0.050036617	0.542398889
uc009rgf.1 Rab6b	0.25674569	3.082017119	0.149892144	0.872274804
uc009ajl.1 Fscn1	0.25670673	4.105540321	0.139211384	0.851834194
uc008gip.1 Rasgrp2	0.25633923	3.792002356	0.150369147	0.8728206
uc008qnc.2 Txnip	0.25624078	10.63940188	0.092903996	0.728847686
uc007rqj.2 Naip2	0.25623417	1.797721811	0.527645922	1
uc008hba.1 Dock8	0.25611557	4.53512128	0.363973241	1
uc009rvl.2 Ccrl2	0.25590825	3.383329956	0.580053148	1
uc009lxf.2 Gm10033	0.25492137	2.015896989	0.284797082	1
uc008obq.1 AK033180	0.25452658	2.711710134	0.310962975	1
uc007axs.3 Myo1b	0.25390419	5.808208693	0.139981301	0.851834194
uc008mmf.2 Rassf2	0.25384689	4.015730939	0.386320531	1
uc007oin.1 Tmed8	0.25347479	6.677778986	0.009267533	0.191724968

uc009trx.1 Gk	0.25341771	4.725074799	0.09609369	0.742125713
uc009ttr.1 Zxda	0.25313289	4.24362715	0.108869929	0.781312964
uc008zos.2 Hip1r	0.25309645	3.321982756	0.116060472	0.797505989
uc007ihq.1 Eml6	0.25273444	8.347708629	0.004720224	0.124795517
uc012epg.1 9530026P05Rik	0.25261162	4.354257742	0.141762409	0.854711616
uc009tee.1 AK086914	0.2523367	4.97929848	0.041487474	0.487003871
uc009dai.1 Eogt	0.25229515	3.850626364	0.123599078	0.820478012
uc007xvr.2 Prr13	0.25224526	2.83603408	0.241110894	0.992503301
uc008zud.3 Tpst1	0.25201494	3.487972546	0.123400713	0.820478012
uc007jrg.2 Tnfsfm13	0.2520147	2.637526936	0.360870702	1
uc009inn.2 Plekhhb1	0.25177879	1.974852105	0.279144434	1
uc012bml.1 Sfxn3	0.25172182	2.732110654	0.412228051	1
uc007ewb.2 E130307A14Rik	0.25120517	2.069009634	0.277740812	1
uc008yoc.1 Mfsd7a	0.25092609	1.845372824	0.278378161	1
uc009qaj.1 Coro2b	0.25085895	3.650222763	0.179214356	0.926346178
uc008rsr.3 Dnajb4	0.25068686	7.588445073	0.043399205	0.500559542
uc009rxz.1 AK180240	0.25066257	2.852390915	0.196886662	0.949024065
uc007tce.1 Sh2d4b	0.2506194	1.703714461	0.434749902	1
uc012hcy.1 Topaz1	0.25044966	1.776530189	0.306057004	1
uc008ksv.2 Ptprj	0.2501455	4.148928627	0.449150954	1
uc009qfp.1 Tpm1	0.24992559	3.600212218	0.315444129	1
uc007zsr.3 D16Ertd472e	0.24974977	4.921594691	0.021041686	0.321112233
uc057aqv.1 AK171712	0.24957778	1.720881035	0.315768287	1
uc011wyr.1 Fam71a	0.24887838	1.767362059	0.435644612	1
uc009icp.3 Tm6sf1	0.24832882	4.621239635	0.278689362	1
uc007cgw.3 Bcl2	0.24830616	6.183389554	0.077830589	0.677979788
uc007oxf.2 Serpina3m	0.24822456	3.729176638	0.294749815	1
uc007uav.2 Ripk3	0.24806311	2.197627874	0.403477418	1
uc008pny.2 Fam198b	0.24767908	4.27490076	0.203349496	0.955905202
uc008rag.1 Vav3	0.24754855	3.136443306	0.459457133	1
uc008ott.2 Plid1	0.2473945	3.301004613	0.20679241	0.96053742
uc008rqt.1 2410004B18Rik	0.24732212	2.63847966	0.156813405	0.88809429
uc007aps.1 Neur13	0.24726611	2.602307979	0.410071637	1
uc008ecf.2 Lama3	0.24720609	3.032799867	0.408915343	1
uc011yyu.1 Ranbp9	0.24633541	7.946250406	0.023927394	0.346186248
uc011zpx.1 Mir17hg	0.24600905	1.851358408	0.310650531	1
uc007ohn.2 Tgfb3	0.2456023	3.466352068	0.162690803	0.902791655
uc008tkw.2 Psp1	0.24474609	4.523567052	0.115546892	0.796213957
uc007yup.2 Trp63	0.24472661	5.246277082	0.369489605	1
uc057bj.1 AK047905	0.24411801	3.016297109	0.272011545	0.998835363

uc009exn.2 Eps81	0.24378143	2.798050041	0.379990394	1
uc056ysy.1 AK089008	0.24348268	2.789814663	0.238546133	0.990160092
uc008hij.2 4931408D14Rik	0.24221188	7.280949329	0.186428636	0.930625075
uc007gah.1 Prtn3	0.2421899	5.339209628	0.332502597	1
uc008chg.1 H2-D1	0.24161869	10.56723859	0.00663012	0.155491083
uc009ola.2 Slc44a2	0.24152242	5.135438528	0.030502687	0.404976098
uc009clk.1 Pole4	0.24151012	5.484235278	0.014190005	0.251927466
uc009lcp.1 Leprotl1	0.24143094	5.335874106	0.009912811	0.199085297
uc007rde.2 Irx2	0.24136578	2.70227683	0.475878652	1
uc007eqb.2 Vnn3	0.24136415	6.374312533	0.011441462	0.216408207
uc007dle.2 Pbx1	0.24078148	6.561939547	0.006398728	0.152328337
uc007dxo.2 Lbr	0.24076191	4.782052274	0.145634121	0.860464731
uc011woz.1 Arl4c	0.24071944	1.608938717	0.519135856	1
uc007cmi.2 AA986860	0.24062213	1.942242545	0.296306566	1
uc008oyt.1 Atp11b	0.24041577	6.966852549	0.008596539	0.18156284
uc012erj.3 Cacna1c	0.24031736	2.610685982	0.263274852	0.997302474
uc008cyl.1 Daam2	0.2399208	3.53842939	0.184902861	0.930625075
uc008apo.1 Lnpep	0.23974473	4.51868206	0.094215243	0.733623275
uc007gum.1 Cdk17	0.23916067	4.861427241	0.066597847	0.624767128
uc007idq.1 AK162774	0.23826565	2.209343057	0.337702552	1
uc008yio.1 Cds1	0.23823529	4.839450779	0.030371451	0.404592703
uc009gtn.2 Flt3l	0.23801153	2.064986073	0.261063621	0.995737605
uc007gtg.1 Apaf1	0.23772912	4.065835947	0.209973565	0.962214767
uc007zmq.2 Abi3bp	0.23764549	6.318511037	0.037115682	0.456039851
uc007kcr.2 Srr	0.2372657	2.178271929	0.25960004	0.995737605
uc008hpr.2 Scd1	0.23717812	13.7904531	0.046850553	0.522211103
uc012dwk.1 Rell1	0.23710475	2.92545712	0.274960456	0.999357935
uc007llo.2 Cnp	0.23674567	3.459441597	0.140458849	0.853414988
uc008rgq.1 AK041310	0.23591011	2.627444991	0.203499034	0.955905202
uc009iix.2 Gab2	0.235569	6.228557815	0.040198711	0.47858136
uc009rhv.1 Nudt16	0.23554724	3.535720867	0.138568008	0.851834194
uc009hni.1 Nr2f2	0.23535186	4.870349926	0.073455522	0.658595536
uc007kzn.2 Col1a1	0.2351926	7.410231307	0.424100969	1
uc009bfy.2 Lncpint	0.23478445	5.287237473	0.127332591	0.83225787
uc007gai.1 Elane	0.23428262	1.863094204	0.343483265	1
uc009dvy.1 Parp11	0.23350087	4.794914266	0.062673955	0.608135951
uc009ulb.1 Tsc22d3	0.23339424	7.758956414	0.056301437	0.57107959
uc008cfq.1 Abhd16a	0.2329765	7.122616744	0.01557058	0.26514807
uc033hht.2 Mc2r	0.23279708	4.642259827	0.073332609	0.658027616
uc008cfg.1 Clic1	0.23273293	3.106937296	0.486650464	1

uc008uop.2 Mycl	0.23267178	6.683104361	0.473613495	1
uc007ssr.2 Slmap	0.23213491	7.846596844	0.018979441	0.299495583
uc008stm.2 Xpa	0.23161244	2.482955313	0.245222782	0.995630091
uc008vwm.2 Ctnnbip1	0.23089837	4.202332537	0.090435624	0.723484567
uc057bpd.1 Ube2v1	0.23088276	3.31833555	0.139757235	0.851834194
uc008ntg.2 Serinc3	0.23082176	9.006607041	0.01307573	0.238569572
uc009vez.1 AK131586	0.23039317	4.287751746	0.078498369	0.677979788
uc009rhi.2 Ackr4	0.23032937	2.287105913	0.387961383	1
uc008byz.1 Pram1	0.23021126	2.882012311	0.206964452	0.96053742
uc007bfl.1 Nrp2	0.22979307	4.907356168	0.240237052	0.991246029
uc007ywr.1 Tmem44	0.22976996	2.215890519	0.328159322	1
uc009qff.1 Aph1b	0.22958893	3.981102537	0.082267303	0.695443371
uc008ecu.2 Osbpl1a	0.22946421	6.732378227	0.153886683	0.883029767
uc009vex.2 AK163440	0.22903701	8.840103128	0.15607457	0.886375166
uc009ogb.1 Smco4	0.22898774	2.530930015	0.260381758	0.995737605
uc009msu.2 Irx3	0.22894659	2.281084136	0.299359673	1
uc008cab.2 Daxx	0.22889921	5.400265114	0.03889802	0.47061066
uc008ssa.2 Zcchc7	0.22889302	2.784505669	0.271750213	0.998835363
uc009jha.2 Tead1	0.22872757	8.938333371	0.141288397	0.854589237
uc007hos.2 Sarnp	0.22831259	2.867083607	0.229185499	0.981022123
uc007moz.1 Lgals3bp	0.22790887	8.323957324	0.058116124	0.583110268
uc007zej.1 Fstl1	0.22744037	4.66566255	0.414134359	1
uc009sgd.1 Lars2	0.22741124	6.990099099	0.280963848	1
uc012avf.1 Plcl2	0.22700135	4.381721211	0.159234352	0.891034781
uc008qmn.3 Hist2h4	0.22677901	2.128441771	0.309778096	1
uc012cyp.1 Pdlim5	0.22672314	7.393440182	0.048998396	0.53694076
uc008mod.1 Plcb4	0.22621022	5.694204263	0.029930668	0.401217734
uc012ebo.1 Cmklr1	0.22581277	8.689271756	0.245694013	0.995630091
uc007mqp.1 BC075659	0.22532884	4.477484091	0.06480914	0.615225333
uc007ujn.2 Scara5	0.2251781	3.461830158	0.374795944	1
uc008tvn.2 Ak4	0.2245166	1.810035403	0.407652096	1
uc008weq.2 Vwa1	0.22422334	3.283373545	0.186444381	0.930625075
uc007fgg.1 Sar1a	0.22373339	8.178908548	0.006465212	0.152719994
uc007any.1 Bag2	0.22343197	2.591543595	0.224503097	0.974788211
uc008tux.1 Itgb3bp	0.22342175	1.914558345	0.338919342	1
uc007hfh.2 Msrb3	0.223112	7.560457826	0.012605093	0.233225896
uc008cqa.3 Runx2	0.22311036	2.489704211	0.407824771	1
uc009jxu.2 Pycard	0.22288023	2.944728864	0.332007365	1
uc008gac.2 A930001C03Rik	0.22285073	2.207838923	0.358032733	1
uc011wlt.2 Fam117b	0.2228077	6.192234755	0.05573098	0.56649219

uc008iyd.1 Olfm1	0.22271677	4.535020296	0.145395173	0.860464731
uc008fxs.2 Unc93b1	0.22260088	5.546926165	0.155196985	0.885347301
uc029unp.1 Mcl1	0.22229941	8.249283712	0.078422688	0.677979788
uc007ddg.2 Rasal2	0.22198573	5.899022414	0.098590024	0.74795701
uc007boz.1 Speg	0.22103359	2.702314422	0.300682768	1
uc007xzx.1 Pam16	0.22100158	2.219591631	0.260014499	0.995737605
uc008mqi.2 Dstn	0.22070373	6.830988861	0.017332666	0.283219861
uc009qae.1 Glce	0.22015784	5.527014302	0.023719024	0.344737288
uc009rws.2 Clasp2	0.22004258	2.392666619	0.345024103	1
uc007kea.1 Scarf1	0.21914368	3.029852276	0.240959915	0.992409851
uc008pmj.2 B3galnt1	0.21895112	5.614613944	0.050239766	0.54262528
uc056ycm.1 Sema4c	0.21889995	5.477045215	0.136928955	0.850777789
uc033gol.1 Gng2	0.21884786	3.632783503	0.335691639	1
uc056zdv.1 Nudt3	0.21862747	5.726063722	0.011256596	0.213876021
uc056zxy.1 AK138733	0.21827237	1.863997919	0.363691287	1
uc008gyz.1 1110059E24Rik	0.21822146	3.674994019	0.146505358	0.864585986
uc008zlu.2 P2rx4	0.21816701	5.208432976	0.052334065	0.553333933
uc007qth.2 Idnk	0.2176016	4.262292202	0.062707482	0.608135951
uc008jik.2 Pbx3	0.21739766	2.141781544	0.336441451	1
uc007pcj.1 Ankrd9	0.21708453	3.366964341	0.338631312	1
uc007lye.1 Limd2	0.21702073	3.129463448	0.223023319	0.974106596
uc008iea.3 Dclre1c	0.21683859	4.361216336	0.204549958	0.958209854
uc009can.1 Inmt	0.21646056	1.909228264	0.424550065	1
uc033hfe.1 Fez2	0.2161895	3.890332623	0.109759876	0.782169297
uc008rpb.1 Gtf2b	0.21561468	4.257707097	0.073751457	0.660712567
uc008cyr.1 Rftn1	0.21541958	3.385944959	0.285451912	1
uc008uib.2 Plk3	0.2151007	4.760860907	0.110772659	0.784858753
uc009kwj.2 Atp11a	0.21502737	8.428506922	0.020459251	0.314753327
uc008hno.1 Crtac1	0.21489973	3.424397243	0.507464542	1
uc008zoa.2 Clip1	0.21460929	6.8390821	0.020999998	0.321112233
uc008fcf.1 AK040485	0.21438838	5.089498908	0.139812244	0.851834194
uc008fpk.1 Mbd1	0.21424854	6.702264399	0.128340837	0.836373383
uc009pkl.2 Cryab	0.21416962	5.040282617	0.26665957	0.99851571
uc007oft.1 Npc2	0.21416827	8.494305075	0.053471625	0.558000483
uc029xol.2 Mid1	0.2137878	3.101840895	0.491581764	1
uc007dag.2 Rnasel	0.21377248	6.236977161	0.022934076	0.338688075
uc007cmk.1 Fcamr	0.2137559	2.274292233	0.342953047	1
uc009thv.2 Fgf13	0.21361729	4.396090827	0.261901857	0.995737605
uc008zuj.2 Sbds	0.21359849	4.928060688	0.08794469	0.709596093
uc009inb.3 Ucp2	0.21343811	5.782878169	0.420578873	1

uc029xgq.1 AK052484	0.21336565	4.411476322	0.175700484	0.922282106
uc008njc.2 E2f1	0.21267785	2.346455423	0.37030065	1
uc008xfo.2 Evc	0.21240131	2.208950003	0.357240376	1
uc007war.2 Sla	0.2117145	1.154096141	0.687355259	1
uc008wkp.2 Abcb1b	0.2113757	3.672943413	0.232442099	0.981022123
uc008jrb.2 Cacnb4	0.21131576	3.252788475	0.196953121	0.949024065
uc007sly.1 1700112E06Rik	0.21102876	3.502323812	0.280371489	1
uc007ppn.3 Elmo1	0.21068763	3.715557203	0.407035634	1
uc009ids.1 Il16	0.21022131	2.115250109	0.400132568	1
uc007cwb.2 Dennd1b	0.209679	6.63800582	0.014782417	0.255135283
uc007vgl.1 Rai14	0.20945597	4.074182958	0.277020946	1
uc008odq.1 Pmepa1	0.20937451	8.319764098	0.363138764	1
uc009ftx.2 Axl	0.20908951	4.112598196	0.602059955	1
uc008pfw.1 Rfxap	0.20900546	2.76027916	0.267630323	0.99851571
uc057bwo.1 BC038063	0.20891141	3.384849986	0.21329654	0.968053928
uc007vrg.1 Med30	0.20883396	2.817670773	0.265684327	0.99851571
uc007zfv.2 Gm19522	0.20866733	3.513809081	0.254185446	0.995737605
uc008eyw.1 March3	0.20853416	5.48746791	0.244656881	0.995630091
uc007vjc.1 Myo10	0.20846823	5.904361758	0.213093014	0.967875584
uc009qtx.2 C920006O11Rik	0.20790753	2.424920209	0.300792565	1
uc009hff.1 Ndn	0.20772275	4.911988596	0.096563293	0.743141424
uc057aur.1 AK050953	0.20745617	2.18110074	0.421902811	1
uc009ida.2 Adamts13	0.20744502	2.843503807	0.326587883	1
uc008fqd.1 Smad7	0.20638383	4.774872471	0.121642708	0.816757031
uc009ewb.2 Pirb	0.20616842	2.098987788	0.642312116	1
uc008mff.1 Dusp2	0.20595744	2.131982614	0.557056979	1
uc007nmd.2 Nova1	0.20567272	3.028209397	0.220245459	0.970204378
uc012dws.1 Bend4	0.20562534	1.804961655	0.552755633	1
uc009tts.2 Spin4	0.20558255	2.360595891	0.386827448	1
uc007wbf.1 Khdrbs3	0.20556981	2.166569328	0.388548523	1
uc012aom.2 Cdkn1a	0.20497008	5.802266383	0.342243009	1
uc008gzo.1 Trpm3	0.20483108	2.248952965	0.380331511	1
uc008bvr.1 Sik1	0.20467507	7.024368787	0.211779364	0.964695469
uc007jqj.1 Wrap53	0.204575	3.39633837	0.202695708	0.955905202
uc012ben.1 Tcf4	0.20453774	6.910219213	0.031852072	0.414833454
uc011xca.1 Ptrpk	0.20441346	3.20923154	0.254527727	0.995737605
uc009uwx.1 Tmsb4x	0.20414908	5.737513777	0.375671702	1
uc009enc.2 Eps8	0.20393692	3.957582475	0.43017822	1
uc009bxr.1 Cbx3	0.20381858	2.353762673	0.326111654	1
uc009tiw.2 Fmr1	0.20328474	7.987215761	0.158032196	0.88809429

uc008fbn.1 Csf1r	0.20314731	5.773478548	0.48751145	1
uc007hlu.2 Timeless	0.20294051	2.569476375	0.322725116	1
uc008udh.1 Spata6	0.2029074	4.841719552	0.09167278	0.726411429
uc011xfw.1 Fam13c	0.20245415	2.882474485	0.264701247	0.99851571
uc007qbe.3 Psmg4	0.20240415	1.790478248	0.403316699	1
uc011wto.1 Fam129a	0.20231521	3.650900057	0.283282825	1
uc007nif.2 Nampt	0.20220988	8.586019159	0.045680497	0.514884459
uc007wuc.1 Cby1	0.2018999	1.849179113	0.387090944	1
uc009rlu.1 Hyal2	0.20187364	5.437488444	0.142227946	0.854711616
uc007veb.2 Egflam	0.2017204	3.707541618	0.240408122	0.991246029
uc008cha.2 Ddx39b	0.20111706	7.378461859	0.056364169	0.571191384
uc009kyx.1 Erich1	0.20108102	2.143456926	0.31694041	1
uc009dhc.3 Irak2	0.20107508	6.247520409	0.113982423	0.792852547
uc008usi.1 Oscp1	0.20082623	2.977115721	0.272619236	0.998835363
uc007een.1 Plxna2	0.20061155	6.848119151	0.078732787	0.677979788
uc007ohc.1 Jdp2	0.20019113	4.072505079	0.151022265	0.874354268
uc008oup.2 Mecom	0.19972714	4.021279406	0.207447618	0.96053742
uc008ofd.2 Ctsz	0.19961886	6.988514877	0.086211064	0.704875951
uc008ikk.2 Mrc1	0.19959094	6.185876441	0.454453809	1
uc007htq.1 Osbp2	0.19928845	4.222725942	0.112965154	0.79075608
uc009vfb.1 AK142750	0.19928415	8.124248776	0.189863047	0.936250734
uc009alq.1 Baip211	0.19888695	2.09710589	0.5311333	1
uc007hxb.2 Dbnl	0.198557	5.249487958	0.042379881	0.493011337
uc008boy.2 Hmga1	0.19843655	2.176631379	0.468096301	1
uc009oba.1 Cwf19l2	0.19841413	5.206466034	0.053593875	0.558000483
uc007pfz.1 Crip1	0.19834084	2.754135309	0.494117475	1
uc007iny.2 Adam19	0.19830598	2.275535803	0.369876365	1
uc007xkm.1 Slc38a2	0.19809938	8.546843771	0.102557197	0.762816109
uc008tmx.2 Hacd4	0.19803638	1.527882114	0.568101122	1
uc009pxg.1 Nptn	0.1979182	7.237741321	0.016939967	0.279699359
uc007eng.1 Ifngr1	0.19759185	7.951908194	0.109099687	0.781312964
uc007ozw.1 Evl	0.19716993	2.872296684	0.59480817	1
uc008imb.1 Pip4k2a	0.1970152	3.713365162	0.365531813	1
uc008art.1 Zfp946	0.19680767	3.243964567	0.24387878	0.995630091
uc008xev.1 Tbc1d14	0.19635035	5.90119211	0.223690334	0.974788211
uc009ptr.1 Snupn	0.19626344	2.714733413	0.304271739	1
uc007nsy.2 Atl1	0.1962517	3.785483658	0.350639427	1
uc056yie.1 AK049485	0.19616887	2.750597234	0.351615443	1
uc009kfm.1 Lrrc27	0.19585191	2.991322954	0.285813921	1
uc008vbg.3 Phactr4	0.19522058	4.733441439	0.070463893	0.644885599

uc008lix.1 Abtb2	0.194692	2.086343101	0.47121632	1
uc009czl.2 Magi1	0.19465982	4.570388437	0.153134972	0.879630211
uc007kpz.2 Ddx52	0.19444398	4.81800987	0.068661879	0.635419309
uc007pif.3 Sp4	0.19416139	4.631892024	0.135163268	0.849751543
uc007vhi.1 1700047G03Rik	0.19406595	1.699570379	0.559396294	1
uc009lox.1 Fam149a	0.19382323	4.714691163	0.091333753	0.725807655
uc007qcg.2 Cdyl	0.1938122	4.308017772	0.113435256	0.792039092
uc012dmi.1 Dnajc8	0.19322251	3.811398667	0.171435639	0.915101609
uc008ojj.2 Ogfr	0.19306597	5.295420673	0.057942872	0.58250784
uc007dtq.2 Opn3	0.19302247	6.81844473	0.068250959	0.632997564
uc007uko.1 Dpysl2	0.19285902	5.39633036	0.148817798	0.87031255
uc008yrw.1 Chek2	0.19283704	1.914645003	0.452109953	1
uc007zbi.1 Hacd2	0.19274453	9.065557904	0.038026782	0.461586632
uc008xcd.2 Rnf4	0.19259137	7.413900648	0.019519233	0.304103599
uc008xnt.1 Smim14	0.19248457	6.265855536	0.021640256	0.32700174
uc007kdp.1 Serpinf1	0.19238711	5.147207883	0.348633453	1
uc011zfv.1 Pxx	0.19229329	5.80280994	0.033118621	0.424848932
uc057bbs.1 BC025195	0.19223431	2.641317414	0.332127662	1
uc008gna.1 Polr2g	0.19212732	3.422665363	0.226281495	0.977511576
uc008wqs.2 Tomm7	0.19210762	3.921476145	0.24359124	0.995630091
uc056zco.1 AK137423	0.19195191	3.679576189	0.182908826	0.929759137
uc008wwm.1 Emilin1	0.19195178	2.579905	0.551335975	1
uc008hil.1 Ide	0.19177856	7.206179071	0.224064208	0.974788211
uc009bxl.1 Nfe2l3	0.19138345	4.293841096	0.226451611	0.977511576
uc007cvn.2 Nek7	0.19122683	7.680151325	0.031945769	0.414833454
uc007ese.1 Arhgap18	0.19104381	4.106689703	0.339294718	1
uc007xae.2 A4galt	0.19093953	2.971938198	0.449167862	1
uc009ugh.2 Hnrnp2	0.19086743	4.623277779	0.108275324	0.778651843
uc008exf.2 Lox	0.19085483	7.704796822	0.138745691	0.851834194
uc007vhj.1 Sub1	0.19085024	5.138413803	0.044357245	0.506167493
uc009nwm.1 Rhou	0.19084453	5.6638741	0.29938299	1
uc007haf.2 Phlda1	0.19058484	4.997963124	0.481778743	1
uc007ler.2 Cwc25	0.19051592	3.899017157	0.178763256	0.925322671
uc033jmj.1 4921534H16Rik	0.19025517	1.637563008	0.565755094	1
uc009tqd.1 Vbp1	0.19022324	4.057181022	0.154725237	0.88366493
uc009agk.1 3110082I17Rik	0.1900543	1.808900235	0.413423941	1
uc007tau.2 Sncg	0.18993339	7.668045639	0.102754487	0.762816109
uc056zni.1 Hoxd8	0.18989333	4.054501511	0.203070628	0.955905202
uc008apr.2 Has1	0.18988461	3.405646717	0.509735377	1
uc007bde.1 Tmem237	0.18929719	2.718683413	0.35742122	1

uc007ksg.2 Brip1os	0.18884165	5.602130442	0.05743589	0.579923991
uc033fvk.1 Col23a1	0.18871143	3.693542814	0.243823322	0.995630091
uc009jgc.1 Galnt18	0.18869564	3.48923174	0.269678093	0.998835363
uc009bwn.1 Tra2a	0.1886617	5.400452156	0.101259115	0.759746792
uc009lqf.2 Acsl1	0.18865585	11.62339967	0.054158722	0.55862649
uc009vfa.1 AK131579	0.18854737	5.131414083	0.13505419	0.849549304
uc009mhv.1 Ednra	0.18839348	6.023766827	0.348414498	1
uc007ezt.2 Atg5	0.18835959	5.274063463	0.083708452	0.698183593
uc009qas.1 Pias1	0.18811253	5.449701989	0.086058687	0.704875951
uc033hge.1 Igip	0.18809787	4.648508694	0.171488351	0.915101609
uc007qwy.2 Zfp934	0.18758234	2.214412045	0.403168267	1
uc008dgs.1 Ankrd12	0.18756519	6.289202737	0.054211082	0.55862649
uc007aye.2 Gls	0.18743062	7.12002219	0.060603624	0.597703238
uc008bfg.1 Bak1	0.18732122	4.037826961	0.180812889	0.929341884
uc008qfk.1 S100a10	0.18727853	5.983926185	0.113657762	0.792351689
uc008znr.3 Mlxip	0.18724333	6.533089488	0.109499388	0.781350287
uc033htd.1 Intu	0.18703606	2.988004865	0.305011009	1
uc008pea.1 Rab33b	0.18677307	4.867164281	0.094496505	0.734441373
uc009uws.2 Trappc2	0.18669036	3.20684468	0.255859867	0.995737605
uc007skz.1 Vcl	0.1866472	9.045242401	0.157935505	0.88809429
uc008ynp.1 Tmed5	0.18647371	8.33535568	0.041248218	0.485226642
uc012eju.2 Agbl3	0.18636808	4.337718165	0.142318974	0.854711616
uc009ujc.2 Plp1	0.18574032	2.194438169	0.383256373	1
uc007kyf.1 Tob1	0.18552492	8.618655317	0.209325687	0.962214767
uc009tfa.2 Mospd1	0.18549635	5.620429623	0.046301734	0.51818536
uc008sxi.1 Zfp462	0.18543841	3.612977063	0.303282373	1
uc009sen.2 Snrk	0.18542826	8.687035207	0.157514699	0.88809429
uc007gwx.3 Dcn	0.18537275	5.29174489	0.260061677	0.995737605
uc057alt.1 Psd3	0.18528827	5.474780582	0.175066375	0.922282106
uc008pjm.1 Arhgef26	0.18491392	2.056334609	0.449304884	1
uc008uzr.1 Sdc3	0.18480892	5.331047933	0.499561699	1
uc009dbr.1 Eif4e3	0.18446985	6.872960297	0.043362384	0.500559542
uc008wby.2 5930403L14Rik	0.18440533	5.882342559	0.19765835	0.949515999
uc007sxo.1 Sh3bp5	0.18430059	4.023908041	0.266543911	0.99851571
uc008ebn.2 Rbbp8	0.18429338	3.658508552	0.280943424	1
uc007lsl.2 Gjc1	0.18419881	4.08661041	0.266728008	0.99851571
uc009jjo.2 Arl6ip1	0.18417832	7.812200372	0.054012722	0.55862649
uc008vdq.1 Hmgn2	0.1840434	2.326771528	0.390477937	1
uc008xxi.1 AK017645	0.18399801	3.037014273	0.30510637	1
uc009lso.1 Hpgd	0.18290848	5.519585408	0.101011454	0.759746792

uc007zka.2 Dzip3	0.18284012	4.145304736	0.19726229	0.949024065
uc009qsi.1 Tmod3	0.18266071	7.085010897	0.05153034	0.549434459
uc008cah.1 Pfdn6	0.18261369	2.11095495	0.398965933	1
uc008xip.1 AK039827	0.18246837	1.753081334	0.45959949	1
uc007crj.2 Adora1	0.18234369	8.061131134	0.242569341	0.995630091
uc007mip.1 Caskin2	0.18199329	5.702928905	0.088886287	0.714063945
uc011zty.1 Ptp4a3	0.1818413	3.595749393	0.230407616	0.981022123
uc012gso.3 Cadm1	0.18182671	1.974473214	0.514108779	1
uc008fwf.2 Cpt1a	0.18172172	6.103264016	0.331669556	1
uc007zak.1 AK153575	0.18140133	4.806502646	0.102038318	0.762816109
uc008cbl.2 H2-DMa	0.18129893	1.946301507	0.511229143	1
uc007oxr.2 Syne3	0.18083819	7.147501045	0.261392343	0.995737605
uc007jae.1 Sap30l	0.18082883	3.50297549	0.209892879	0.962214767
uc007kps.1 Wfdc21	0.18075797	3.902238559	0.284413899	1
uc011wpu.1 St8sia4	0.18075604	4.339121853	0.459332821	1
uc007edc.1 Slc30a1	0.18068611	5.894813445	0.065125095	0.61642828
uc033hdm.1 Ppp1r10	0.18033535	7.336367241	0.195451406	0.94608073
uc008zgw.2 Tbx3	0.18022103	4.772408152	0.171470639	0.915101609
uc009bdp.1 Atp6v1f	0.1801274	3.970630357	0.154560696	0.88366493
uc007jqj.1 Sat2	0.18007684	2.284746446	0.356621981	1
uc007nvs.2 Dhrs7	0.18007575	5.237816695	0.178342044	0.925322671
uc008xqc.2 Atp8a1	0.1799276	5.87969272	0.053799612	0.558000483
uc029uny.1 Gm15471	0.17987761	3.712915021	0.277688898	1
uc007fvz.2 Sumo3	0.17987015	5.592759419	0.084682933	0.701685767
uc009qah.3 Anp32a	0.1797668	5.120198851	0.102537276	0.762816109
uc007qvg.2 Zcchc6	0.17974933	7.04939591	0.053083155	0.556843812
uc009gme.1 Gm5595	0.17974281	2.246418833	0.43972714	1
uc007mal.1 Pitpnc1	0.17969676	4.205665068	0.406713534	1
uc009uct.1 Sh3bgrl	0.17926096	8.262624162	0.031808333	0.414833454
uc007ekv.1 Fuca2	0.17862552	3.495106284	0.276376922	1
uc008gwk.2 Tle4	0.17847103	4.452454786	0.165444742	0.904879406
uc008esj.1 Ndfip1	0.17846101	6.92177437	0.080668408	0.688190847
uc057bvy.1 AK042406	0.17792454	2.15978897	0.482875041	1
uc009ura.3 2210013O21Rik	0.17778982	3.185698516	0.272374478	0.998835363
uc008sbq.1 Osgin2	0.17730471	3.323887991	0.266949587	0.99851571
uc012foz.2 Ankrd42	0.17701084	2.715673264	0.31633115	1
uc007jop.1 Slc25a35	0.17699473	4.388779887	0.197794343	0.949515999
uc008hmi.2 Frat1	0.17683053	3.602886991	0.274295959	0.998835363
uc057cdi.1 3110039I08Rik	0.17679714	2.592930055	0.57904242	1
uc007sul.1 Selk	0.17647873	4.682438366	0.105387699	0.770863385

uc009jly.2 Dcun1d3	0.17629564	8.645064542	0.183127842	0.929759137
uc007vco.2 C6	0.17623817	4.165802397	0.432628032	1
uc007ahs.2 Prex2	0.17584896	7.057087401	0.158030162	0.88809429
uc008mrd.1 Dzank1	0.17533923	2.873952416	0.315568277	1
uc009npc.2 Plcg2	0.17497233	1.694127648	0.723224169	1
uc008qls.1 Car14	0.17496282	3.397088556	0.279650193	1
uc008khj.1 Dnajc10	0.17493764	5.768562324	0.040779068	0.482336407
uc009qbp.1 Map2k1	0.17468417	6.3805487	0.033269448	0.424848932
uc011zmg.1 Lats2	0.17462216	6.420882975	0.053309423	0.558000483
uc007ayh.2 Nab1	0.17452499	6.627912608	0.052570226	0.554623417
uc009mxx.1 Kifc3	0.17448956	4.004948753	0.379125178	1
uc008dyc.1 Bambi	0.17447268	2.696223903	0.356097629	1
uc008tlx.1 Haus6	0.17417442	3.702854027	0.231558315	0.981022123
uc008aou.2 Chd1	0.17396462	6.919047627	0.154451597	0.88366493
uc008xoy.2 Apbb2	0.17371893	6.172381353	0.23135014	0.981022123
uc008yea.2 Sept11	0.17363421	4.781822886	0.388203085	1
uc007urq.1 Lacc1	0.17343987	3.442747994	0.358368147	1
uc008fsj.2 Pard6g	0.17340805	5.383379355	0.262499081	0.995737605
uc008qrl.2 Slc22a15	0.17337017	4.262085367	0.211294063	0.964443891
uc009mfi.1 Tpm4	0.17321997	6.159080155	0.272152727	0.998835363
uc011wof.1 Itm2c	0.17304856	6.366699109	0.054232121	0.55862649
uc009mqv.1 Zfp423	0.17304305	7.222703034	0.11042938	0.783431556
uc008dag.1 Zfp959	0.17294816	2.302549479	0.512972358	1
uc008gta.2 Stx3	0.17287641	3.625138932	0.268130149	0.998835363
uc007dbx.2 Tor1aip2	0.1728502	8.057605511	0.041557397	0.487306805
uc011xdw.1 Mcm9	0.17274863	4.569579676	0.164947059	0.904879406
uc009uat.2 Pbdc1	0.17259488	3.02698558	0.296076558	1
uc007nfe.2 Id2	0.1725739	2.014278916	0.499334326	1
uc009jho.2 Far1	0.17256497	6.085328261	0.108841133	0.781312964
uc009dce.1 Pdzrn3	0.17247886	1.985390987	0.479040118	1
uc008pfh.2 Postn	0.17208347	5.334587431	0.415403411	1
uc009aez.1 Cnpy4	0.17196434	3.039106316	0.306705728	1
uc009tvi.2 Efnb1	0.1716663	5.089996002	0.163328298	0.902840119
uc008lsc.1 Bmf	0.17157404	2.808329491	0.431051328	1
uc007mjx.2 Trim47	0.1714668	3.893156665	0.458726646	1
uc007zhl.1 Boc	0.17145855	4.70464839	0.389918901	1
uc029vvk.1 Mira	0.17139151	2.380395283	0.401227265	1
uc008hpn.1 Scd3	0.17128802	2.115724034	0.514446992	1
uc007kmr.2 Ccl11	0.17098991	2.918306664	0.584935877	1
uc008zvf.1 Gtf2ird2	0.1709069	3.86439283	0.493748844	1

uc007lpl.1 Tmem106a	0.17085202	5.363330022	0.230945017	0.981022123
uc008zor.1 Denr	0.170556	3.570729466	0.256049881	0.995737605
uc007vhl.1 Mtmr12	0.17054092	5.25872832	0.18482877	0.930625075
uc007jpe.1 Vamp2	0.17045234	5.283717046	0.135497083	0.85039817
uc007zai.1 Heg1	0.17033825	8.103097963	0.11031588	0.783129313
uc008sjk.2 Sigmar1	0.17033276	6.010947238	0.143857844	0.856171197
uc009ray.2 Slc9a9	0.1702967	2.510259138	0.580915145	1
uc007fbd.2 Dcbld1	0.17015639	2.833828231	0.34608736	1
uc008nyn.1 Prex1	0.17012505	3.134592021	0.669397407	1
uc009ilg.1 Map6	0.17008916	3.203774148	0.335142693	1
uc007mzp.1 Rhob	0.1697117	9.203322395	0.182294733	0.929759137
uc056zfr.1 DQ564999	0.16971048	4.514189558	0.150545019	0.873382501
uc007eii.2 Katna1	0.16968182	5.054595378	0.110039027	0.782169297
uc009uuw.2 Ap1s2	0.16960046	2.893407678	0.582440936	1
uc008gpe.2 Fads1	0.1694637	6.588341051	0.175610032	0.922282106
uc012bdd.2 Lmnb1	0.16911614	2.32397727	0.499670028	1
uc012avn.2 Zfp119a	0.16907175	2.879946617	0.428910518	1
uc008fvq.1 AK083197	0.16905589	3.65094623	0.397367545	1
uc008jiu.2 Rabepk	0.16885202	4.593901248	0.327213777	1
uc008rdv.1 Tmem56	0.16873355	2.201663861	0.557945098	1
uc007ely.2 Abracl	0.16873103	2.670455517	0.396198787	1
uc009icl.1 Fam103a1	0.16863786	2.717543033	0.397813336	1
uc008jgb.2 St6galnac6	0.16860463	2.914532173	0.340708366	1
uc007rjv.2 Ssbp2	0.16857454	4.361879939	0.286979718	1
uc009uqg.1 Tspyl2	0.16851304	4.547498092	0.122752862	0.820025857
uc007ltu.1 Fmnl1	0.16834341	3.207449696	0.487245296	1
uc008qnk.2 Rbm8a	0.16832786	3.232250669	0.344691176	1
uc009ubp.2 Taf9b	0.16826573	4.313221403	0.167675389	0.907894469
uc009ssg.2 Fundc1	0.16807771	4.916467484	0.142274087	0.854711616
uc009lba.2 2610005L07Rik	0.16804658	1.661547162	0.471126708	1
uc011wzh.2 Cd46	0.16801367	1.919132617	0.474749523	1
uc012ebt.1 Myo1h	0.16796104	6.355745729	0.063241812	0.609040151
uc009lrl.1 BC040690	0.16772977	5.056846202	0.173282755	0.920674031
uc056zee.1 AK048349	0.16771316	3.828066992	0.390088073	1
uc007wbq.1 Chrac1	0.16770646	2.766669722	0.384600049	1
uc009rec.1 Mras	0.1676724	3.21000448	0.33170963	1
uc033goq.1 Dennd6a	0.16766975	6.122960135	0.05923659	0.590548174
uc008rum.1 Lhx8	0.16742348	3.04207937	0.550638388	1
uc008hrd.1 Dpcd	0.16736072	2.348286761	0.412990148	1
uc009pst.1 Rcn2	0.16712266	5.116056422	0.101313328	0.759746792

uc008gqb.2 Tmem216	0.1669923	3.126303093	0.375412894	1
uc008ggb.2 Pola2	0.16693919	3.550537193	0.329735708	1
uc009avq.2 Sgce	0.16679661	6.115477092	0.063974609	0.610562752
uc009bvw.2 Mpp6	0.16679546	2.969773703	0.378304402	1
uc008qyq.1 PsmA5	0.16676423	4.380257511	0.178456578	0.925322671
uc009sqc.1 SrpX	0.16645777	4.292797939	0.481677229	1
uc009csk.1 SnRnp27	0.16613623	3.039100595	0.314517863	1
uc007pfy.2 Crip2	0.16598712	4.596608288	0.316079381	1
uc009twe.1 PdZd11	0.1654827	4.454613243	0.215448942	0.968365516
uc012dam.1 2610301B20Rik	0.16545964	3.809446278	0.260035521	0.995737605
uc009lon.2 Fat1	0.16545924	8.27341266	0.105166975	0.770341117
uc009kiz.1 Ifitm2	0.16544836	4.761407012	0.184121138	0.930625075
uc009nlk.2 St3gal2	0.16530795	5.37942611	0.185504685	0.930625075
uc008fte.2 Nfatc1	0.16517469	4.934964603	0.136595434	0.850777789
uc057biz.1 Spaca6	0.16510999	3.789091835	0.470138873	1
uc007xyj.1 Ppp1r1a	0.16504819	4.945029958	0.197146262	0.949024065
uc012aqk.1 Tnxb	0.16500392	5.091884641	0.31998859	1
uc009jfn.2 Ampd3	0.1649858	4.097781428	0.325384557	1
uc008vip.2 C1qb	0.1646442	5.095282668	0.641627157	1
uc007gvt.2 Tmcc3	0.16440195	7.733936814	0.137664114	0.850777789
uc008ziy.2 Trafd1	0.16433287	6.894426127	0.105587937	0.771159729
uc008dmp.2 Trmt61b	0.16401438	2.422696145	0.419871854	1
uc007oek.2 Dnal1	0.16394018	3.930481105	0.230114501	0.981022123
uc007mcr.1 Wipi1	0.16393652	5.310594768	0.143499236	0.855478051
uc008bvl.2 Cbs	0.16381699	4.040245347	0.284157264	1
uc011ydr.1 Tbkbp1	0.16347105	4.932786797	0.190573917	0.93745887
uc008pml.1 Nmd3	0.16333558	4.97923631	0.121745615	0.816757031
uc007zki.1 AK018679	0.16329135	6.997585826	0.102987825	0.762816109
uc009abq.2 Trim56	0.16288102	5.650277882	0.115778736	0.796639246
uc007zel.1 Gpr156	0.16269317	3.300345509	0.650314734	1
uc008rtu.1 St6galnac5	0.16264267	5.805213019	0.441403708	1
uc007lzk.2 Milr1	0.16262538	4.065994751	0.333514113	1
uc007pje.3 Net1	0.16224159	9.554217148	0.161828318	0.900531788
uc008shz.3 Bag1	0.16198194	5.939132751	0.110228729	0.783013856
uc009flm.2 Ercc1	0.16195444	3.946140764	0.259782287	0.995737605
uc008bzu.2 Ndufa7	0.16186204	5.373417286	0.139781784	0.851834194
uc007ped.1 Ppp1r13b	0.16172516	4.790699475	0.115504775	0.796213957
uc008jqy.1 Arl5a	0.16154369	7.976323435	0.112872531	0.790608737
uc008lhm.2 Traf6	0.16129049	6.084763827	0.067582226	0.629437832
uc009srl.2 Ddx3x	0.16105558	8.856662229	0.107618601	0.777005406

uc007ked.2 Slc43a2	0.16096409	4.5611657	0.555089623	1
uc007jdy.1 Zfp867	0.16067128	2.9339331	0.415987565	1
uc012cxa.1 Synpo2	0.16066187	5.94715731	0.364186852	1
uc009qbo.1 Snapc5	0.16058125	3.229255995	0.344598713	1
uc008wnl.1 Sema3c	0.16029514	6.216884095	0.386823847	1
uc008rxw.1 Rab2a	0.16023957	6.685595629	0.070466858	0.644885599
uc007ilh.2 Rars	0.16023333	4.943902599	0.122732386	0.820025857
uc008ibe.1 Shtn1	0.16012523	1.432218029	0.747674579	1
uc007vjn.1 Fbxl7	0.16012091	2.260733646	0.482067683	1
uc008epp.1 Pcdhb4	0.16009417	1.883536164	0.519861124	1
uc009quw.2 Tmem30a	0.16002397	7.91230525	0.076550178	0.675378004
uc008nnx.2 Tgif2	0.15984863	1.980668535	0.47788605	1
uc007isj.1 Hnrnph1	0.15981195	6.593620706	0.131326463	0.841837647
uc009bbv.2 Wasl	0.15961599	6.909978094	0.104320779	0.766175082
uc007mtb.2 Slc25a10	0.15936115	8.663775893	0.220524998	0.970204378
uc007zpu.2 Arl13b	0.15934973	4.418807794	0.322449476	1
uc008ufy.2 Lrrc41	0.1592107	3.101589981	0.30492792	1
uc056yvz.1 AK080962	0.15911789	3.663392526	0.421200265	1
uc007uxy.2 Spry2	0.15899448	5.148174459	0.340190146	1
uc007siu.1 Nid2	0.15897839	7.369152628	0.114168244	0.793146181
uc007nck.2 Pqlc3	0.158964	4.765295039	0.302292739	1
uc007xsv.2 Nr4a1	0.15879467	7.247691268	0.283262428	1
uc009axs.2 A430035B10Rik	0.15869736	2.026731785	0.466636872	1
uc007lyn.1 Psmc5	0.15846615	5.348244022	0.120839096	0.815294406
uc007hur.1 Gatsl3	0.15823077	3.870359905	0.258328182	0.995737605
uc008ikv.2 Nsun6	0.15779326	3.85148697	0.288807237	1
uc008nyk.2 Sulf2	0.15751163	8.779556785	0.087457611	0.708772391
uc008eck.1 Cabyr	0.15742166	1.793786187	0.536998647	1
uc007vhg.2 Npr3	0.15733452	9.559940728	0.257503349	0.995737605
uc012cuc.1 Rnf115	0.15687794	5.414896067	0.113308764	0.791998107
uc008muo.2 Abhd12	0.15687346	6.771110566	0.097167358	0.743141424
uc008pgb.2 Spg20	0.15675442	5.272234556	0.168174844	0.908288449
uc009kpi.1 Slc22a18	0.15667474	3.281577884	0.345788122	1
uc009tqj.2 Pls3	0.15667235	6.276490776	0.119806506	0.810896239
uc008wur.2 Dnajb6	0.15649769	4.095362051	0.261455149	0.995737605
uc007dga.2 Dnm3	0.15647188	3.496599166	0.426349836	1
uc008tti.2 Cyp2j6	0.15641369	5.049414033	0.120395477	0.813885215
uc007gtl.1 Ikkip	0.15636358	4.395581659	0.178598991	0.925322671
uc009ugq.2 Armcx2	0.15625557	2.601338334	0.498743903	1
uc008qbi.2 Tpm3	0.15618879	5.099811213	0.267036941	0.99851571

uc008hws.1 Smndc1	0.15609114	3.999269513	0.331990734	1
uc007dlw.2 Uap1	0.15590975	8.779680273	0.339386978	1
uc008pon.2 Ctso	0.15589221	7.229126695	0.05841681	0.583956641
uc009lys.2 Ncan	0.15563058	2.272309484	0.607809156	1
uc008wkl.1 Abcb1a	0.15540215	4.665429572	0.238011534	0.990160092
uc029tsb.1 Stambpl1	0.15519297	4.126433582	0.542126907	1
uc007haz.1 Rab21	0.15504302	6.354533847	0.072915531	0.656362194
uc007cae.1 Scly	0.15498659	4.117439632	0.287595386	1
uc009rsz.3 Map4	0.15496411	7.470324566	0.095836369	0.741939051
uc007krl.2 Ppm1d	0.15476942	4.011889327	0.238238312	0.990160092
uc009kcm.1 Mettl10	0.15443104	2.235573288	0.471787897	1
uc009gei.1 Nfkbid	0.15436146	3.20213807	0.581553078	1
uc007hty.2 Tcn2	0.1542485	7.008945267	0.157400824	0.88809429
uc007eye.2 Sesn1	0.15424705	5.185409303	0.165374446	0.904879406
uc009qmx.2 Rora	0.15411422	8.30743056	0.147638057	0.867452116
uc008sfp.1 Ube2j1	0.15374971	6.50872461	0.085624683	0.704875951
uc007cng.2 Srgap2	0.15372257	5.251985469	0.252630596	0.995737605
uc009ilu.1 Arrb1	0.15352331	7.132450154	0.126354835	0.827678847
uc007vcf.2 Fbxo4	0.15337541	5.107271757	0.147341773	0.867095157
uc009toc.2 Rpl10	0.15334529	4.328274732	0.227418946	0.979557104
uc009tnz.1 Flna	0.15326255	9.260023834	0.230967848	0.981022123
uc008ooh.2 Il7	0.15321371	2.651413937	0.456687911	1
uc008ovh.1 Sec62	0.15301752	6.886746936	0.068594953	0.635419309
uc009qba.2 2300009A05Rik	0.15301165	2.575336895	0.439128975	1
uc009ccp.1 Vopp1	0.15293583	2.755143265	0.421009689	1
uc009azb.2 Mdfic	0.15285659	5.91413648	0.185601776	0.930625075
uc029sug.1 AK155692	0.15280785	2.457189169	0.654710816	1
uc007qmf.2 S1pr3	0.15278765	2.403859851	0.542412761	1
uc008eiv.1 Lims2	0.15268773	6.293589397	0.188829524	0.93534122
uc007fck.2 Hsf2	0.15262449	4.172283292	0.224647008	0.974907602
uc007lme.2 Rab5c	0.1524549	6.518294958	0.075761	0.671634037
uc007rxk.1 Arl15	0.15229495	4.589387873	0.233043579	0.981022123
uc008vgy.2 Myom3	0.15180483	2.787216548	0.495800129	1
uc012dti.2 Nub1	0.15166708	6.040448324	0.078836621	0.678215974
uc008tgb.3 Akna	0.15147299	2.138713737	0.649256945	1
uc012gci.1 Saraf	0.15139141	7.120322367	0.085958686	0.704875951
uc012afr.1 Mir568	0.15136891	4.488729423	0.336921296	1
uc008ltu.1 Exd1	0.15109169	3.338437696	0.416089438	1
uc009hch.1 Gas2	0.15107567	3.987628227	0.28781552	1
uc007oiv.2 Sptlc2	0.15105654	5.695463315	0.130971488	0.841600383

uc009spy.1 Dynlt3	0.15092892	6.886742745	0.107291679	0.776634263
uc009qwl.1 Sh3bgrl2	0.15084779	1.866560341	0.499511694	1
uc008ics.1 Brox	0.15047506	6.114772888	0.084877262	0.701685767
uc009aox.1 AK079377	0.1503773	1.834826026	0.556498578	1
uc007cbg.3 Hdac4	0.15023121	6.236679593	0.134986999	0.849549304
uc007gce.1 Cirbp	0.15015655	3.519974631	0.336776102	1
uc009rle.2 Hemk1	0.15009134	4.002906246	0.295126254	1
uc007exv.1 Cd164	0.1500779	9.080940715	0.085828792	0.704875951
uc007fwa.1 Ube2g2	0.1498297	6.002379087	0.113206397	0.791942917
uc008ezm.2 Slc12a2	0.14981885	7.141338721	0.191289428	0.937758335
uc033gnc.1 Fcho2	0.14980166	7.132564175	0.123428018	0.820478012
uc009iic.2 Pcf11	0.14956173	8.165256964	0.265286141	0.99851571
uc009iik.2 Prpc	0.14916071	4.001480018	0.5032748	1
uc007zwr.3 Eva1c	0.14899212	2.55142033	0.534727143	1
uc012gca.1 Wrn	0.14888744	6.485414255	0.072968747	0.656362194
uc008uvw.2 Rnf19b	0.14878708	7.259712877	0.436193539	1
uc007das.1 AK154552	0.14859445	1.707274641	0.552665377	1
uc009ref.2 Armc8	0.14841138	6.064203245	0.083507127	0.698183593
uc007pfd.1 Pld4	0.14837549	3.116592139	0.702968844	1
uc007mnb.2 Sec14l1	0.14832111	6.323339278	0.139977528	0.851834194
uc007krg.2 Car4	0.1481976	4.308113754	0.412152179	1
uc007nnd.1 Dtd2	0.14816632	3.553212607	0.291618723	1
uc007utb.2 Elf1	0.14812305	6.071413672	0.117048443	0.801560511
uc008gym.1 Aldh1a1	0.14771228	7.342096123	0.186116847	0.930625075
uc007alg.2 Tram2	0.1475677	3.184030011	0.417485243	1
uc008qaf.2 Il6ra	0.14734121	6.720387638	0.255408306	0.995737605
uc008wzs.2 Yes1	0.14726446	5.691770875	0.165500174	0.904879406
uc009coe.2 AK208460	0.14716455	5.57127196	0.129091791	0.837957864
uc007lwt.1 Myl4	0.14715498	1.85613121	0.533811841	1
uc007oxd.1 Serpina3k	0.14706475	2.830774021	0.685125072	1
uc008hzf.2 DQ710893	0.14706411	4.520827236	0.245812915	0.995630091
uc009joh.1 Ndufab1	0.14702482	3.759608871	0.291838007	1
uc008kgr.1 Itga4	0.14699643	2.528051696	0.741284256	1
uc009atx.1 Fry	0.14696413	2.050753189	0.588106528	1
uc012hfv.1 C330007P06Rik	0.14658088	6.668199948	0.08757428	0.709197576
uc009snz.3 Rbm3	0.14643598	3.965647861	0.303976494	1
uc008kbu.2 Zak	0.14621896	7.137746711	0.104025065	0.766040578
uc008edl.2 Taf4b	0.14586463	4.490668837	0.328370935	1
uc007aha.1 Snhg6	0.14584443	2.209253119	0.52884951	1
uc008azj.1 Hn1l	0.14584438	4.594734492	0.241628683	0.994052302

uc012fnf.1 Abhd2	0.14578102	6.144986323	0.164939413	0.904879406
uc007frb.1 Gstt3	0.14576283	4.687056751	0.249088793	0.995737605
uc012ftc.2 Cdr2	0.14569709	4.578177053	0.384138268	1
uc009eli.2 Fam234b	0.14568192	4.015012322	0.312751391	1
uc007gle.1 Cry1	0.14547138	4.214806705	0.453992226	1
uc007ihi.2 Clhc1	0.1451699	1.863633447	0.526395466	1
uc008ifm.1 Optn	0.14514176	6.37592827	0.280760854	1
uc007lbf.2 Atp5g1	0.14506139	2.205538562	0.480120261	1
uc009lkk.2 Rbpms	0.14502314	5.30915993	0.164036998	0.904632604
uc008qzh.1 Taf13	0.14479592	3.606970576	0.309747162	1
uc012gyx.1 Faim	0.14478687	2.909344569	0.388554058	1
uc008rdx.1 Alg14	0.14468565	3.941018784	0.303445422	1
uc007kvx.2 Scsep1	0.14456364	6.157208191	0.137933449	0.851180375
uc008osc.2 Cp	0.14403701	9.030162197	0.189092617	0.935758574
uc007ali.2 Tmem14a	0.1439857	2.10728663	0.489331782	1
uc009agi.1 Adap1	0.14385047	4.372943369	0.480518202	1
uc009jsd.1 Nupr1	0.14359042	4.160273277	0.346115289	1
uc007ews.3 Amd1	0.14348323	3.278836488	0.384172959	1
uc008bsz.1 Pim1	0.14331265	5.110950639	0.535822711	1
uc008qul.2 Rhoc	0.14302035	4.416028417	0.269469043	0.998835363
uc009dih.1 AK076253	0.14273525	3.013636203	0.588570147	1
uc008lue.2 Rtf1	0.14267577	4.976077118	0.177535713	0.925065256
uc008nwt.3 Mmp9	0.14265792	2.309474315	0.556071301	1
uc008gba.1 Ccs	0.1425742	3.459470222	0.321565127	1
uc008qfj.1 S100a11	0.14237898	3.821169049	0.329588442	1
uc011wru.1 Mfsd4a	0.14233103	6.064379842	0.105779549	0.771302439
uc008xue.1 Pdgfra	0.14228826	2.578497656	0.65352	1
uc007cjp.2 Insig2	0.14215142	6.333370625	0.124346345	0.823459068
uc007swf.2 Glt8d1	0.14208052	5.639965764	0.132277649	0.844101046
uc011wny.2 Dock10	0.14200979	6.233473888	0.356885526	1
uc008fon.2 Mbd2	0.14195453	5.645882164	0.139086522	0.851834194
uc007hdr.1 Rap1b	0.14191081	6.945672542	0.20353875	0.955905202
uc009jmx.2 BC030336	0.14180984	6.024370082	0.15479736	0.88366493
uc008qxo.2 Eps8l3	0.14167549	2.082502026	0.577092116	1
uc012bjj.1 C730002L08Rik	0.1414077	2.436327886	0.682266626	1
uc007jen.2 Mrip	0.14129562	1.950822344	0.626469747	1
uc008rsz.1 Fubp1	0.14129332	6.785059115	0.152141289	0.877014866
uc008dkj.2 Arhgap28	0.14116359	1.895380843	0.530769538	1
uc007cod.1 Elk4	0.14103757	7.138654888	0.131650616	0.842045575
uc007qnk.2 Sptlc1	0.14096338	6.221160253	0.106413715	0.774338534

uc008oib.2 Psm7	0.14080265	5.270000023	0.162911026	0.902791655
uc007azp.2 Gtf3c3	0.14071066	5.840806788	0.206402513	0.96053742
uc008gik.2 Sf1	0.14069479	7.496029759	0.177563918	0.925065256
uc008eqb.1 Pcdhb16	0.14024882	3.403743879	0.399747821	1
uc012dwn.1 Fam114a1	0.14024412	4.604194566	0.320054713	1
uc008jtj.2 Tanc1	0.14003912	6.609482611	0.242605795	0.995630091
uc009ssq.1 AK170409	0.13987968	2.88606289	0.70489126	1
uc008sxx.2 Klf4	0.13984369	6.669890239	0.393437242	1
uc007lsg.1 Ccxc43	0.13965492	3.55527165	0.405938464	1
uc008tum.2 Usp1	0.13953283	4.970436905	0.238201542	0.990160092
uc008tmf.3 Acer2	0.13948306	6.998313202	0.318917168	1
uc012gyf.1 Ctsh	0.13932388	3.419769572	0.70114777	1
uc009dgz.1 Brk1	0.13909924	5.490016583	0.169490039	0.910596775
uc012cvo.1 Cttnbp2nl	0.13899393	4.996375221	0.321107984	1
uc009jjk.3 Nucb2	0.13888072	2.167623511	0.511590648	1
uc007myr.1 Ubxn2a	0.13887855	6.046229244	0.155848633	0.886003089
uc008lua.1 Nusap1	0.13872882	1.707344101	0.610210422	1
uc008nok.2 Dsn1	0.13871705	2.434246841	0.503850639	1
uc008cma.1 Gabbr1	0.13870588	3.376710165	0.455671587	1
uc008bee.2 Dusp1	0.1385536	8.489248299	0.258214516	0.995737605
uc008zlf.2 Apc3	0.1385515	4.758788384	0.238029918	0.990160092
uc007nnt.1 Sptssa	0.13818203	5.909899132	0.205163085	0.959454463
uc008jmq.1 Rc3h2	0.13817833	7.52461745	0.118785967	0.80695559
uc009uqy.1 Kctd12b	0.13813528	6.978258269	0.18474934	0.930625075
uc008gxu.1 Nmrk1	0.137815	2.937355702	0.413344566	1
uc009uij.1 Wbp5	0.13758958	3.012654733	0.425673979	1
uc007zmv.2 St3gal6	0.13757126	5.657000991	0.418420684	1
uc009ltx.1 Sh3rf1	0.13732472	4.242755002	0.304447821	1
uc008pej.1 AK040671	0.13717713	2.226590873	0.49076753	1
uc007bcl.1 Gm20257	0.13716095	2.621885539	0.490620357	1
uc007qgj.2 Cd83	0.1369697	4.549413413	0.644035624	1
uc007niw.1 Twist1	0.1369276	4.091373131	0.321811876	1
uc057asw.1 Nxt2	0.13691699	5.263536998	0.232972635	0.981022123
uc009rpr.2 Lamb2	0.1368893	7.842643935	0.260139621	0.995737605
uc008tuw.1 Alg6	0.13686371	3.71244341	0.378749268	1
uc007ilf.1 Pank3	0.13673251	11.79005989	0.214157377	0.968295717
uc029upl.1 AK003208	0.13673078	6.173767948	0.157072839	0.88809429
uc007gdt.1 Klf16	0.1366097	3.640553841	0.365679437	1
uc057aue.1 AK033411	0.13649917	2.089126338	0.608948342	1
uc008sfy.2 Spaca1	0.13649701	1.67773961	0.600969863	1

uc008bra.3 Fkbp5	0.13646367	8.361225197	0.427576196	1
uc009dlp.1 Zfp248	0.13631452	1.906995124	0.555661505	1
uc009svx.2 Ube2a	0.13608242	5.293981248	0.180591794	0.928936229
uc007naf.1 Laptm4a	0.1359029	8.400076973	0.097308177	0.743141424
uc008eqi.2 Taf7	0.13589843	3.303027721	0.491589897	1
uc033huy.1 Atp8b2	0.13587244	4.76040723	0.347079143	1
uc007eir.2 Tab2	0.13580287	7.055214001	0.125999377	0.826965525
uc007dqp.1 Tagln2	0.13577633	4.886895821	0.565522757	1
uc012hfe.2 Rp2	0.1356702	4.815716919	0.303036247	1
uc008sib.1 Chmp5	0.13561702	5.665355467	0.165845039	0.905360972
uc008ibj.2 Pdzd8	0.13536671	6.415643671	0.117840831	0.804493093
uc008ubs.1 Txndc12	0.13528027	4.452715704	0.246384843	0.995630091
uc007qix.1 Card19	0.13505522	3.063116622	0.435531667	1
uc007sjx.3 Ppp3cb	0.1349898	6.797300242	0.155602225	0.885782101
uc029xno.2 Kantr	0.13492519	4.053003847	0.406354283	1
uc007vlc.1 Cpq	0.13488234	6.954236114	0.131060952	0.841610401
uc008frv.1 Pstpip2	0.1345971	2.463114241	0.531371863	1
uc007jsp.1 Gps2	0.13454376	2.859979063	0.473870141	1
uc007hey.1 Tmbim4	0.13454102	5.378451694	0.168152108	0.908288449
uc007iqx.2 Cnot6	0.13435232	5.904755849	0.243784857	0.995630091
uc007mjd.1 Sap30bp	0.13434825	4.084804172	0.274193637	0.998835363
uc009jqc.1 Il4ra	0.13422082	6.63429283	0.588929502	1
uc011zot.2 Ccadc122	0.13413013	2.900642827	0.447634329	1
uc009rku.1 Manf	0.1340145	4.326224802	0.331555926	1
uc009eup.1 Myadm	0.13388245	7.849562121	0.143559594	0.855478051
uc007umv.2 Tnfrsf10b	0.13388168	4.246088376	0.399617854	1
uc008mrn.1 Gm561	0.13377879	1.799386194	0.557751563	1
uc007kei.2 Pitpna	0.13370548	5.753003124	0.166103425	0.905361099
uc007wuv.1 Cbx7	0.13357887	5.093638214	0.348029809	1
uc009jhy.1 Psmal1	0.13353138	7.008026327	0.14328861	0.855478051
uc056yqe.1 AK050060	0.13348136	2.924350159	0.509720732	1
uc009ooj.1 Zfp810	0.13338488	4.484034175	0.324163788	1
uc057avb.1 AK089125	0.13316517	3.213930356	0.416843001	1
uc008hah.1 AB352356	0.1325675	4.810995744	0.305744283	1
uc008ppp.1 D930015E06Rik	0.13229446	5.205852808	0.298591154	1
uc007loa.2 Vps25	0.13223455	5.790713634	0.129366398	0.837957864
uc008szw.2 Ptbp3	0.13207553	8.182520525	0.214680084	0.968295717
uc012hjl.1 Ids	0.13206987	7.104856679	0.143337073	0.855478051
uc009shr.1 Ccadc82	0.13204392	5.129158399	0.262139294	0.995737605
uc008dab.1 Pot1b	0.13188068	3.243048542	0.427374359	1

uc056zgy.1 AB904934	0.13184677	3.10847884	0.486523976	1
uc009uam.2 5530601H04Rik	0.13181391	2.093842656	0.537077021	1
uc008jis.2 Hspa5	0.13171181	9.281304416	0.349237765	1
uc057akz.1 Dctn6	0.1317015	4.353648892	0.249532527	0.995737605
uc009tex.2 Fam122b	0.1316023	3.424524299	0.395883164	1
uc007lkz.2 Jup	0.13141186	7.302301205	0.194014799	0.943260329
uc009sxs.2 Slc25a5	0.13135589	7.556457229	0.200440753	0.955905202
uc009fle.2 Vasp	0.13133666	4.479748855	0.408270653	1
uc008pji.2 AB347151	0.13128743	3.653967786	0.350150943	1
uc009pwn.2 Pml	0.13121072	4.971707781	0.209687808	0.962214767
uc057cbx.1 BC052545	0.13114647	6.983475734	0.312529321	1
uc007ncx.1 Hpcal1	0.1311295	4.107524253	0.384781063	1
uc009gzy.1 Tmem86a	0.13106453	4.552180714	0.420197261	1
uc007xxt.2 Hnrnpa1	0.13070238	3.90268211	0.456387112	1
uc009uit.1 Tceal1	0.13067418	2.440672993	0.5174507	1
uc009ela.2 Cdkn1b	0.13066055	5.376806003	0.256741712	0.995737605
uc007eri.1 Akap7	0.13059995	6.20533722	0.193268658	0.942953002
uc007fgv.1 Tspan15	0.13051062	4.853851351	0.306349545	1
uc009sub.2 Cfp	0.13050207	4.125323213	0.656209275	1
uc009nzv.2 Itgb1	0.1304837	8.418615568	0.143294782	0.855478051
uc007vgd.1 Dnajc21	0.13040295	3.88859992	0.370155995	1
uc009nhg.1 Cyb5b	0.13039028	8.536287367	0.291063376	1
uc008goj.2 Ahnak	0.13029302	12.20948693	0.240362335	0.991246029
uc008mma.3 Prn	0.13027643	8.521207783	0.246580856	0.995705107
uc008haq.1 Fam122a	0.13019514	2.725100014	0.499386732	1
uc008yjt.1 Aff1	0.13012007	8.463130744	0.280268052	1
uc008fsw.2 Pqlc1	0.12991386	4.361668209	0.302836426	1
uc029uqj.1 Fam219aos	0.12958277	2.22610449	0.557488603	1
uc009hnb.1 Chsy1	0.1295372	4.882551129	0.361435734	1
uc009pmi.2 Cul5	0.12937666	6.96932697	0.210777033	0.964075823
uc033igz.1 Rpl22	0.12920595	5.607610131	0.221296275	0.970400416
uc012egh.1 Cyth3	0.12920515	4.934932233	0.267154293	0.99851571
uc007suo.1 Il17rb	0.1291761	3.485555848	0.611684698	1
uc009ttq.1 Zxdb	0.12903784	4.250273809	0.359682127	1
uc007euj.1 Zufsp	0.12903407	3.863259561	0.359286387	1
uc009ryw.3 Rbms3	0.12873613	6.316988141	0.24992981	0.995737605
uc008gbg.2 Zdhhc24	0.12862868	4.083642855	0.290605363	1
uc008vbw.3 Ppp1r8	0.12861994	4.298160522	0.299194262	1
uc007kmh.1 Myo1d	0.12845511	4.881551332	0.343123942	1
uc009kbq.2 Bub3	0.12832612	5.40255749	0.178161721	0.925234775

uc007stu.2 Fam208a	0.12822593	7.424655267	0.192265345	0.93959063
uc008dzo.2 Rab18	0.12790495	7.139794222	0.181681915	0.929759137
uc009tqp.2 Prkx	0.12767046	5.164439331	0.274559098	0.998835363
uc007zbo.1 Dirc2	0.12750245	5.907173837	0.142064369	0.854711616
uc008efc.2 Rnf138	0.12745604	4.856871353	0.338695504	1
uc007agu.1 Sgk3	0.12743488	5.597717762	0.298742829	1
uc008rrk.1 Gng5	0.1272645	1.99369926	0.575163783	1
uc009hgd.1 Mtmr10	0.12714972	5.967500162	0.173445772	0.921097112
uc009sgy.2 Ccr1	0.12713218	2.734696957	0.729576954	1
uc008uip.2 Rnf220	0.12711826	4.679456575	0.286628054	1
uc008ped.2 Mgst2	0.12709403	3.200546768	0.532224819	1
uc009eyb.1 Ppp6r1	0.12675023	7.001842188	0.154267753	0.883504438
uc009szx.2 Sept6	0.12651481	4.042301953	0.381283662	1
uc008ygh.3 Bmp3	0.12640466	6.459120777	0.368318189	1
uc007gju.1 Nfyb	0.12632729	4.19282316	0.300801935	1
uc008fam.1 Rbm22	0.12631954	4.755174915	0.27252352	0.998835363
uc008jkh.1 Stom	0.12626112	6.922948648	0.182247386	0.929759137
uc009aos.2 Slc7a1	0.12617515	3.778667539	0.485067711	1
uc033gow.1 Arhgef3	0.12613486	4.85710412	0.32486384	1
uc007rey.2 Pdcd6	0.12609671	5.924233681	0.154289341	0.883504438
uc008lhi.1 B230118H07Rik	0.12599604	3.607049252	0.386383827	1
uc007ini.2 Rnf145	0.12594541	6.262960151	0.170793861	0.914363933
uc009qdn.2 Plekho2	0.12575282	4.876886231	0.597660365	1
uc007sjn.2 Dnajc9	0.12573653	2.90008905	0.488388211	1
uc008ecd.2 Ankrd29	0.12569747	4.275915502	0.67541238	1
uc007blv.2 Tmbim1	0.12561279	7.816604111	0.175711582	0.922282106
uc009abi.2 Znhit1	0.12551658	2.715632181	0.4963897	1
uc007tbc.1 Ldb3	0.12543316	4.048100784	0.524670083	1
uc007enl.2 Pex7	0.12525518	5.09529178	0.266211144	0.99851571
uc008xmi.1 Pgm1	0.12519002	2.921168833	0.528277375	1
uc007elw.1 Heca	0.12510938	6.393623961	0.155555048	0.885782101
uc011wpq.1 Sept2	0.12501324	7.651488636	0.16913904	0.910191348
uc009jfj.1 Adm	0.12494513	4.949952351	0.715803815	1
uc008qtg.2 Hipk1	0.1249018	8.887675237	0.145152478	0.860464731
uc007hxx.3 Aebp1	0.12483885	2.201918286	0.688500654	1
uc008yib.1 Mrps18c	0.12481295	2.937201393	0.452527545	1
uc008fvs.1 Dok6	0.1247235	2.285169742	0.622633354	1
uc007wud.1 Tomm22	0.1244906	4.380222034	0.338765992	1
uc008esh.2 Rnf14	0.12428763	6.938972566	0.141425776	0.854589237
uc008hiq.1 Exoc6	0.12421563	5.307148067	0.221163736	0.970204378

uc008kja.1 Clp1	0.12416971	3.714009419	0.401236034	1
uc007dol.2 Usf1	0.12415016	4.019154481	0.361859233	1
uc033idg.1 Tm2d1	0.12409745	4.276876866	0.392559725	1
uc007nyw.2 Max	0.12402159	4.874610285	0.255339165	0.995737605
uc008kel.2 Hnrnpa3	0.12399123	4.737364159	0.353176436	1
uc008uuv.1 Zbtb8os	0.12394165	2.096111742	0.581737577	1
uc008jfu.1 Dpm2	0.12385041	3.109389539	0.439430014	1
uc008viq.1 C1qc	0.1238222	4.107604785	0.716909798	1
uc008uvu.2 Ak2	0.12380448	7.899523513	0.203202163	0.955905202
uc009udn.1 Chm	0.12367883	5.543802923	0.185714484	0.930625075
uc008sfo.2 4933421O10Rik	0.12367383	2.330364255	0.526419123	1
uc009dow.1 M6pr	0.12361067	6.650634443	0.142075701	0.854711616
uc007lie.1 Igfbp4	0.12358136	9.778439632	0.304484909	1
uc008liw.2 Cat	0.12354067	9.996115538	0.233339609	0.981022123
uc008mba.2 Slc30a4	0.12351076	6.21266104	0.148629687	0.87031255
uc008juc.2 Cd302	0.12336238	6.802803777	0.19527411	0.945636923
uc009kzg.2 Arhgef10	0.12335462	5.142115653	0.392082269	1
uc009ddo.1 Arl8b	0.1231973	7.529961647	0.162745271	0.902791655
uc008irq.1 Dpp7	0.12279455	3.641679136	0.437396404	1
uc009qbr.1 Tipin	0.12273009	2.391526729	0.542090977	1
uc009cuy.2 Rab7	0.12269109	7.105592284	0.170310111	0.913225965
uc009brc.1 Epha1	0.12268178	5.763795304	0.45817382	1
uc007agb.1 Pcmdt1	0.12267542	7.575126854	0.218581807	0.969299131
uc008cpr.2 Enpp5	0.12267177	7.987194331	0.156406886	0.887350006
uc008dnh.2 Lclat1	0.12247435	5.71470063	0.160107406	0.893803581
uc009jxs.1 AK134717	0.1224705	2.486676889	0.582645028	1
uc008rwk.2 Lyn	0.12244739	4.501735	0.558835809	1
uc008dug.2 Prkce	0.12242424	7.36583595	0.408543202	1
uc009toa.2 Emd	0.12223093	3.939767998	0.345477865	1
uc007ugi.2 Dleu2	0.12222913	2.505963249	0.60769001	1
uc008cot.1 Cd2ap	0.12218838	6.138480731	0.18550191	0.930625075
uc009frz.2 Erf	0.12209794	4.545746505	0.36505039	1
uc008dnf.1 Ypel5	0.12207399	7.788808226	0.203896906	0.957180293
uc008rsb.1 Adgrl2	0.1217086	5.254759315	0.294346029	1
uc008crn.4 Vegfa	0.12157482	9.575649425	0.577538368	1
uc009dcb.1 Ppp4r2	0.12153125	4.542029416	0.32420129	1
uc008sga.1 Akinr2	0.12151625	5.085463977	0.244666956	0.995630091
uc008mgt.1 Mertk	0.12151276	6.078980707	0.495994916	1
uc007ewv.2 Cdk19	0.12146097	5.376429181	0.27990556	1
uc007fgj.2 Aifm2	0.12141253	8.585142227	0.188747984	0.93534122

uc009mjz.2 Elmod2	0.1212313	6.818004901	0.250433431	0.995737605
uc008xha.2 Rab28	0.12100468	5.042104885	0.247356033	0.995737605
uc009cqp.1 Dusp11	0.12099227	7.081901163	0.181494157	0.929759137
uc029wyj.1 AK154309	0.12099053	5.170292346	0.28932715	1
uc007uqa.1 AK135997	0.12088388	2.76897692	0.508453493	1
uc007och.3 Synj2bp	0.12081527	5.957180253	0.180170824	0.927816747
uc008xkx.1 Anapc4	0.12065628	5.93541591	0.166853584	0.905719403
uc007icr.1 Spred2	0.12051153	4.3621197	0.4459001	1
uc008sze.1 Al314180	0.12050775	8.436430265	0.173213551	0.920674031
uc057bhf.1 AK146555	0.12048317	1.773989374	0.67171447	1
uc007xhf.1 Rab12	0.12045668	2.185275655	0.564809784	1
uc009jdg.2 Ric3	0.12039937	4.567016527	0.394238706	1
uc007rdk.1 Lpcat1	0.120359	3.262806305	0.435005517	1
uc033hps.1 Tmem87a	0.12035388	4.503985578	0.311286394	1
uc009hja.1 Igf1r	0.1202741	5.461142592	0.476519141	1
uc009qno.3 Bnip2	0.12001838	6.311711734	0.18777451	0.93333467
uc012hpl.1 Rbm41	0.1199979	3.556220903	0.438805426	1
uc008qwy.3 Slc16a4	0.1197547	2.342238768	0.600038749	1
uc007wor.1 Ift27	0.11964322	2.709989035	0.515637377	1
uc007gyv.2 Acss3	0.11960818	8.204401868	0.189670882	0.936250734
uc009uxb.2 Tlr7	0.1194096	3.027380166	0.776513717	1
uc008vgd.1 Clic4	0.11938013	9.854200588	0.334798886	1
uc007bej.1 Nbeal1	0.11933189	8.36855014	0.165007016	0.904879406
uc008eba.1 Abhd3	0.1192732	3.917036999	0.417584083	1
uc056yta.1 AK081090	0.11896807	2.567170117	0.643173383	1
uc009azn.2 Cav2	0.11895414	10.0018764	0.26208971	0.995737605
uc007ihw.1 Acyp2	0.11894899	3.322316032	0.428612199	1
uc009miq.1 Smad1	0.1188456	5.474515158	0.263863684	0.997473088
uc009ekf.2 Etv6	0.11881836	4.869564058	0.464312919	1
uc007zek.1 Lrrc58	0.11880594	11.05024672	0.30004286	1
uc029rsc.2 Iimp2l	0.1187125	3.341462297	0.470268325	1
uc009tlu.1 Haus7	0.11871247	4.062961806	0.382839298	1
uc007rrt.3 Pik3r1	0.11858239	10.06299567	0.556453744	1
uc007iee.1 Tmem17	0.11853172	1.799672744	0.640655754	1
uc008dgr.2 Twsg1	0.11849716	6.607480058	0.170562019	0.913689653
uc009lxx.2 Zfp869	0.11818763	5.206424525	0.375563231	1
uc008arc.1 Zfp948	0.11814214	3.634120815	0.475931214	1
uc007xkz.2 Rapgef3	0.11805961	6.045752094	0.481978012	1
uc008oic.2 Ss18l1	0.11784372	3.394883264	0.44488598	1
uc007ygf.2 Bfar	0.11760264	6.490129887	0.184025882	0.930625075

uc007gjl.3 Zfp938	0.11758743	2.637581148	0.570781345	1
uc009kfg.1 Bnip3	0.11757498	9.218258563	0.304220781	1
uc008eiy.2 lws1	0.11754433	5.360640271	0.270503989	0.998835363
uc057arr.1 Vma21	0.11748005	5.538666814	0.218300423	0.969299131
uc008xf.2 Ncapg	0.11744904	4.732363653	0.311718045	1
uc008mbw.2 Myef2	0.11739677	3.477133405	0.463983626	1
uc008xhu.2 Fbxl5	0.11739102	7.242183532	0.231872314	0.981022123
uc008tsn.1 Mysm1	0.11726108	5.614942781	0.314108196	1
uc008zmp.1 Rnf34	0.11725021	4.172426029	0.340602013	1
uc009qnq.2 Gtf2a2	0.11723313	4.175495861	0.352356838	1
uc056yjh.1 AK194623	0.11709671	2.194458558	0.573690249	1
uc009srq.2 Cask	0.11708733	6.236878188	0.15668836	0.888034695
uc008hun.1 Taf5	0.11699331	3.078266806	0.471381821	1
uc011xwo.2 Gas7	0.11687292	4.114417695	0.727827065	1
uc008mri.1 Rbbp9	0.11687	5.630968964	0.251831509	0.995737605
uc008sur.1 Sec61b	0.11658488	3.430597012	0.425408616	1
uc008lsa.1 Srp14	0.11656609	4.798378731	0.281294583	1
uc008xmm.2 Tbc1d1	0.11637002	4.316207752	0.496118315	1
uc009heo.2 Snhg14	0.11626027	2.348392684	0.55104166	1
uc007zsb.1 Usp25	0.11618345	7.182038341	0.152270567	0.877014866
uc007wbo.1 Peg13	0.116171	7.195561437	0.162347931	0.902059983
uc007qcj.1 Lyrn4	0.11613818	2.453827043	0.536609784	1
uc008fch.3 Bvht	0.11605103	2.506200035	0.54881385	1
uc009aou.1 Ubl3	0.11586255	7.72333888	0.182898236	0.929759137
uc007tgg.2 Txndc16	0.11580469	5.39153328	0.256370472	0.995737605
uc009sma.1 Gpkow	0.11579975	5.623434384	0.238411478	0.990160092
uc007zns.1 AK194005	0.11575236	2.445043414	0.593678561	1
uc009uzm.2 Ddx3y	0.11570394	7.831669452	0.212414854	0.965870918
uc008pbp.1 Mfsd8	0.11567591	6.62832203	0.20107039	0.955905202
uc007oxg.1 Serpina3n	0.11554184	8.960882119	0.351947805	1
uc007xmr.2 Kansl2	0.11528129	4.26034942	0.36363782	1
uc008ubc.1 Gpx7	0.11525903	2.683648997	0.533706559	1
uc009jxo.1 Fus	0.11524057	6.678745358	0.334677223	1
uc009bhk.1 Cald1	0.11521295	6.23176301	0.431055883	1
uc007vlz.1 Stk3	0.11520549	4.690287377	0.342293888	1
uc008rpe.2 Pkn2	0.11519919	7.502406349	0.168996418	0.910191348
uc007dwx.1 Tmem63a	0.11509574	4.270824941	0.376584454	1
uc008yjj.1 Hsd17b11	0.1150555	5.360362641	0.249362449	0.995737605
uc007vch.1 AW549877	0.11491638	7.891118467	0.214529552	0.968295717
uc057bqz.1 AK078430	0.11487897	2.453339387	0.611906446	1

uc007rcq.1 Med10	0.11482653	3.232630084	0.485390806	1
uc009sdr.1 Nktr	0.11480997	7.324813193	0.290414519	1
uc012hag.2 Rassf1	0.11426482	5.790959409	0.412175047	1
uc008ipq.2 Dph7	0.11424692	4.215707547	0.369568126	1
uc009jey.1 Wee1	0.11423634	4.150100225	0.426741164	1
uc008ntd.1 Ttpal	0.11409247	6.074277609	0.279121537	1
uc011zpj.1 Rcbtb2	0.11392391	7.012313165	0.243791646	0.995630091
uc007hst.1 Limk2	0.11390214	5.002692512	0.318035209	1
uc007usc.1 Dnajc15	0.11384505	6.001577903	0.286794039	1
uc007enm.2 Map3k5	0.113843	7.319772147	0.262507223	0.995737605
uc008uny.1 Zmpste24	0.1138398	5.879558027	0.176265052	0.922287386
uc009jnb.3 Eef2k	0.1136899	6.414590045	0.452331296	1
uc008vhy.2 Hnrnpr	0.11365758	5.449893883	0.299307875	1
uc007pht.1 Ncapg2	0.11354219	4.544500023	0.355499025	1
uc009vfc.1 X57780	0.11328855	11.04318004	0.336952206	1
uc007oys.1 Gskip	0.11320184	4.354381602	0.360687965	1
uc008zij.2 Oas1a	0.1131392	2.442435216	0.70609535	1
uc009ojj.1 Angptl6	0.11307548	2.161538227	0.571185452	1
uc012dtm.1 1700096K18Rik	0.11307349	3.11491379	0.505834761	1
uc007osn.2 Psmc1	0.11302872	5.7610706	0.211785851	0.964695469
uc007nrx.1 Klhdc1	0.11302714	3.154871327	0.548702286	1
uc007jnm.1 Ntn1	0.11301994	3.14470223	0.58519203	1
uc012das.1 Ripk2	0.11298435	4.420187722	0.367200283	1
uc008aid.1 Rnaset2b	0.11287675	3.213688399	0.477809805	1
uc009umc.1 Ammecr1	0.11279315	3.834462023	0.447950334	1
uc007eun.1 Rwdd1	0.11272554	3.040155309	0.480721823	1
uc008qsu.1 Bcas2	0.11265752	3.763482938	0.423504058	1
uc008ltx.2 1700020114Rik	0.11257398	5.803148057	0.235039077	0.985535754
uc008kiq.1 Ctnnd1	0.11257039	7.862713983	0.228956222	0.981022123
uc007pev.2 Siva1	0.11247439	2.323839857	0.601761145	1
uc008wih.3 Cdk14	0.11244266	6.840164499	0.294157853	1
uc009qra.1 Rsl24d1	0.11235607	3.267055305	0.491411637	1
uc007joi.1 Gm15772	0.11228739	4.472221135	0.316971742	1
uc008bvt.2 Rrp1b	0.11223135	3.762107907	0.401365189	1
uc012dlr.1 Dcdc2b	0.11217428	2.309704892	0.579473073	1
uc008lin.2 Apip	0.11216723	4.279908804	0.360960346	1
uc007yga.2 Mkl2	0.11208912	6.111422219	0.221026459	0.970204378
uc008jup.1 AK011205	0.11207282	4.323617233	0.443209761	1
uc012dae.1 Tmem68	0.11206105	4.668447629	0.335771578	1
uc007hul.1 Ccadc157	0.1120588	3.86110871	0.417081906	1

uc008utp.2 5730409E04Rik	0.11196924	4.758082135	0.311433127	1
uc007blz.2 Ctdsp1	0.11186751	6.029936006	0.219693703	0.969299131
uc009oub.2 Ei24	0.11171638	6.536885199	0.193401683	0.943185425
uc007dys.1 C130074G19Rik	0.11136251	5.859258448	0.256110505	0.995737605
uc007eyv.2 Ostm1	0.11135415	5.560406678	0.236474434	0.988866379
uc007cax.2 Traf3ip1	0.11130424	2.933040701	0.508489605	1
uc008dsy.1 Dync2li1	0.11123898	2.827317184	0.550111994	1
uc012grc.1 Vwa5a	0.11105126	7.471561553	0.216886489	0.969299131
uc009rqw.1 Ip6k2	0.11102976	3.492146132	0.48379381	1
uc007hmv.2 Rab5b	0.1110099	6.227447599	0.218824072	0.969299131
uc009jgg.1 Pik3c2a	0.11096327	7.054959906	0.263781772	0.997473088
uc008hym.1 Ppnr	0.11094656	3.270812337	0.639510312	1
uc007iea.2 Ehbp1	0.11087334	5.041156578	0.363691736	1
uc033hfn.1 Crem	0.11084982	4.782888245	0.345875571	1
uc008esb.1 Pcdh12	0.11078403	2.335679205	0.653151684	1
uc056zwc.1 Pakap	0.11075686	8.137825766	0.372278911	1
uc007auq.1 Tmem182	0.11073254	4.960787362	0.624996486	1
uc009mue.2 Mmp2	0.1106931	2.966009422	0.66744259	1
uc007ixk.2 P4ha2	0.11042006	4.241705645	0.431821578	1
uc012axg.2 Yipf4	0.11040439	6.061295829	0.237178392	0.990123236
uc007bdx.1 Sumo1	0.1103356	3.753482174	0.438335024	1
uc008sgs.2 Mob3b	0.11030078	5.647863813	0.268602828	0.998835363
uc008eos.1 Zmat2	0.11022238	4.505537605	0.304472835	1
uc012chs.2 2900097C17Rik	0.11017604	6.616161332	0.223819264	0.974788211
uc008mgx.1 Tmem87b	0.11012147	7.589805267	0.268441817	0.998835363
uc008jyt.2 Ssb	0.1101158	4.970581884	0.31984246	1
uc007vbz.1 Sepp1	0.10996727	9.826688839	0.273326213	0.998835363
uc008zld.1 Fam216a	0.10994207	3.135042267	0.490269676	1
uc009qce.1 Rab11a	0.1099143	6.243374073	0.219581951	0.969299131
uc011wtw.1 Acbd6	0.10978831	3.596654908	0.461169559	1
uc007gni.1 Rtcb	0.10965755	6.181976793	0.202566933	0.955905202
uc008ihp.1 Kin	0.10956241	2.227487482	0.581470251	1
uc008stb.2 Tdrd7	0.10926984	6.362184589	0.304088625	1
uc008mgc.3 1500011K16Rik	0.10923595	3.688166849	0.439698178	1
uc009gjd.1 Lsm14a	0.10922723	6.665217361	0.287435066	1
uc009plv.2 Zc3h12c	0.10914344	5.316179324	0.305986054	1
uc007obn.1 Srsf5	0.10910981	6.154256814	0.269564921	0.998835363
uc007pls.1 Ero1lb	0.10898017	4.570227293	0.364674778	1
uc008ily.1 Bmi1	0.10890352	5.691414926	0.250364896	0.995737605
uc009axn.3 Glcc1	0.10882593	4.62712975	0.357355986	1

uc007ztn.2 App	0.10868115	8.495977698	0.354185954	1
uc008ouf.1 Rpl22l1	0.10866964	3.486484751	0.470911937	1
uc008uvi.2 Phc2	0.10850011	5.195967598	0.299457783	1
uc007uzj.2 Uggt2	0.1083119	3.693155573	0.437257874	1
uc007fad.2 Hace1	0.10805585	4.41105397	0.369321157	1
uc008kkb.2 Aplnr	0.10803965	3.247042435	0.626954366	1
uc008mqj.1 Rrbp1	0.10802385	6.762411633	0.334095736	1
uc008tsd.1 Plaa	0.10785746	6.005436276	0.215284552	0.968365516
uc007zky.2 Dubr	0.10778998	2.806090271	0.603544045	1
uc008wod.1 Rsbn1l	0.1077797	6.061213852	0.248289813	0.995737605
uc009ucm.1 Brwd3	0.10774956	5.139324604	0.290717652	1
uc012een.1 Bcl7b	0.10770585	4.893096309	0.308022718	1
uc007gvv.2 Cep83os	0.10757411	3.640923817	0.461844511	1
uc009pas.2 Sc5d	0.10734577	6.667556773	0.201891294	0.955905202
uc008meq.1 Blvra	0.10732951	3.651946433	0.538009346	1
uc009gxn.1 Kdelr1	0.10729659	5.965958841	0.227971547	0.979572956
uc011zze.1 Tmbim6	0.10725655	9.022149241	0.213664257	0.968053928
uc008ath.1 Flywch1	0.10715391	6.265766876	0.219520258	0.969299131
uc007nyq.1 Churc1	0.10712359	4.342372035	0.399870006	1
uc008pqg.3 Arfp1	0.10711165	5.633788179	0.283967699	1
uc007wya.1 Nhp2l1	0.10706425	4.653115007	0.345985206	1
uc007zij.1 Atg3	0.10690397	5.016697844	0.286388477	1
uc009irp.2 Rrm1	0.1068725	4.596099291	0.379460199	1
uc012dmk.1 Syt1l	0.1067344	2.431532556	0.662428331	1
uc007rap.2 Zfp595	0.10670271	3.818530919	0.567520727	1
uc008duo.2 Cript	0.10655815	5.044069081	0.282265274	1
uc008ixa.1 Adamtsl2	0.10655226	3.056041744	0.826451647	1
uc009tia.1 Atp11c	0.10645313	7.006761678	0.264042306	0.997473088
uc008vir.1 C1qa	0.10644821	3.667091187	0.737103209	1
uc009qys.2 Snhg5	0.10643988	3.604215884	0.538216511	1
uc009lzc.2 Tmem161a	0.106244	5.369343884	0.252043396	0.995737605
uc009agj.1 Cox19	0.10623896	5.232346796	0.362003887	1
uc007bdz.2 Bmpr2	0.10623119	8.75382166	0.221052532	0.970204378
uc009kyv.2 Tdrp	0.1062117	6.759932044	0.359664664	1
uc007ucj.1 Pspc1	0.10607313	5.177479239	0.436767373	1
uc009hgp.2 Tjp1	0.10594059	7.619152376	0.27964773	1
uc009ncn.2 Elmo3	0.10590024	4.377281822	0.441990641	1
uc009ulu.1 Acsl4	0.1058842	6.191467144	0.27322605	0.998835363
uc008pvo.1 Lamtor2	0.10581497	3.610788148	0.461429795	1
uc008mfq.2 Zfp661	0.10577437	2.448805573	0.600844799	1

uc008pyn.2 Slc50a1	0.10558715	4.177690978	0.376605443	1
uc007leo.1 Psmb3	0.10552746	4.526895353	0.39190905	1
uc007lgr.1 Ormdl3	0.10547696	8.605843559	0.358731613	1
uc008mpn.1 Esf1	0.10540337	3.417230978	0.528794696	1
uc007jkh.1 Tvp23b	0.10524934	5.289517473	0.385623003	1
uc007rgd.1 Rfesd	0.10511901	3.428340713	0.490132777	1
uc008joa.1 Arpc5l	0.1051094	4.165233543	0.393770205	1
uc007ild.2 Slit3	0.10500989	8.512336456	0.437301851	1
uc012gcr.2 Asah1	0.10495281	6.63401015	0.295455648	1
uc008rmy.1 Trmt10a	0.10495098	2.9793089	0.502876948	1
uc007ice.1 C1d	0.10493927	4.68661451	0.39422092	1
uc008znd.1 Rhof	0.1049362	4.624471455	0.373235082	1
uc008zhf.1 Sdsl	0.10487959	1.85211995	0.668586891	1
uc007yao.2 Ubal1	0.10481005	5.189087752	0.388193317	1
uc009bsq.2 Tpk1	0.10479469	3.536631346	0.49638411	1
uc008cei.2 Neu1	0.10448126	4.957084589	0.344141865	1
uc007jyj.1 Txndc17	0.10446401	3.69905973	0.476744132	1
uc009kya.1 Gas6	0.10446386	8.003915997	0.525871057	1
uc007jah.2 Larp1	0.10425221	7.469397131	0.225424535	0.97686913
uc011zae.1 Tgfb1	0.10420505	4.480078327	0.718830213	1
uc007iwh.2 Sept8	0.10418281	4.357128608	0.543267915	1
uc008vud.2 Fbxo6	0.10414512	4.832197709	0.355881418	1
uc007axk.1 Sdpr	0.1041207	9.752206126	0.313530148	1
uc008clo.1 Znr1	0.10403179	2.402366847	0.602464134	1
uc009lgs.1 Plpp5	0.10381674	3.382468867	0.518342139	1
uc007qyg.1 Slc35d2	0.10367648	2.724525968	0.61930295	1
uc007deh.1 Rabgap1	0.10353201	6.531675189	0.296977024	1
uc007pnj.1 Mrpl32	0.10351966	2.564707991	0.596720345	1
uc029rmi.2 Chd3	0.10326578	4.825944898	0.417509761	1
uc007rnk.2 Col4a3bp	0.10322566	6.896569968	0.206994743	0.96053742
uc009gkp.2 Uri1	0.10315599	5.950794764	0.249565097	0.995737605
uc007xjb.1 Prickle1	0.10307485	4.430662785	0.422997901	1
uc007hft.3 Tbk1	0.10278771	5.834188483	0.256843418	0.995737605
uc007urd.1 Gpalpp1	0.10268757	5.751631823	0.32984385	1
uc009lfs.2 Tacc1	0.10267346	9.000824537	0.368514802	1
uc009odz.2 Mtmr2	0.10263443	6.320250352	0.206780003	0.96053742
uc007dey.2 Dars2	0.10248784	4.990710721	0.352437973	1
uc008phb.2 Wwtr1	0.10248339	8.548708266	0.249322005	0.995737605
uc007rej.2 Brd9	0.10247905	4.391637498	0.357857702	1
uc009tzz.1 Rlim	0.10239447	7.888289345	0.247680846	0.995737605

uc007doh.2 Arhgap30	0.10238442	2.030872066	0.845096189	1
uc008qwd.2 Dram2	0.10225995	7.321054068	0.328618522	1
uc012aeh.1 Acap2	0.1022078	7.754129726	0.292570904	1
uc008xnh.1 Wdr19	0.10218629	4.042540633	0.410543143	1
uc007zjk.3 Pvr13	0.10213649	2.193186464	0.643372986	1
uc056yfg.1 AK018197	0.10202799	2.265627735	0.673784108	1
uc008qma.1 Otud7b	0.10202131	6.289387758	0.214348804	0.968295717
uc008kfn.1 Ttn	0.10199123	3.58106414	0.687289092	1
uc008ymj.2 1700028K03Rik	0.10196799	5.279251134	0.357678624	1
uc007isq.1 Zfp354c	0.10188578	2.124545771	0.687797046	1
uc007yqe.2 Alg3	0.10187835	2.55284702	0.629003624	1
uc008ubg.2 Prpf38a	0.10186292	3.6875493	0.516988907	1
uc009ujo.2 Slc25a53	0.10183148	2.557027451	0.598211726	1
uc009myg.2 Usb1	0.10182424	3.526575341	0.497564834	1
uc007day.1 Mr1	0.10167938	5.459051187	0.310933512	1
uc008gdx.1 Rnaseh2c	0.10164034	2.266920598	0.610281199	1
uc008haw.2 Cbwd1	0.10159381	3.361076568	0.491119648	1
uc009sne.2 Timm17b	0.10153954	3.896934175	0.475775999	1
uc007cnx.2 Nucks1	0.10151973	7.969888514	0.274125793	0.998835363
uc009ujq.2 Fam199x	0.10150952	5.222528816	0.303560744	1
uc007uds.1 Zdhhc20	0.10139435	5.36287865	0.383986096	1
uc007fxt.1 Cstb	0.10131685	3.665998026	0.524369213	1
uc057alr.1 Klhl2	0.10130945	8.027314189	0.439768119	1
uc008ysb.2 Pitpnb	0.10124556	6.835052986	0.294361926	1
uc008eyo.2 Aldh7a1	0.10108054	6.069133754	0.251120368	0.995737605
uc007uwj.1 Fbxl3	0.10095247	6.922639624	0.312422547	1
uc007byv.1 Sh3bp4	0.10094636	4.657519658	0.366531319	1
uc008fpx.1 BC031181	0.1008453	5.442611464	0.334131968	1
uc008zaf.1 Ankrd13a	0.10083801	6.06733943	0.254665617	0.995737605
uc007azj.2 Stk17b	0.10083042	4.979741632	0.428692837	1
uc012dai.2 Nsmaf	0.10073681	5.840133789	0.345188853	1
uc008mhc.2 Zc3h6	0.10064061	4.023933118	0.504774321	1
uc007wfs.1 Them6	0.10061005	2.510651176	0.670629226	1
uc009gta.3 Rcn3	0.10059697	1.787702983	0.715715639	1
uc007yrn.2 1300002E11Rik	0.10054789	3.984700496	0.480719537	1
uc007jpg.2 Per1	0.10044034	7.940967495	0.362157689	1
uc007uoj.2 Hr	0.10044026	5.965214631	0.699578973	1
uc008ede.1 Ss18	0.10041722	5.915347336	0.232759368	0.981022123
uc007piv.1 AK164218	0.10038914	1.823138154	0.708091297	1
uc009cch.1 Ppm1k	0.1003509	6.482348378	0.350552895	1

uc007dbv.2 Tor1aip1	0.10031425	7.164312032	0.239542691	0.990265182
uc007loz.1 Vat1	0.10028935	6.059349729	0.539241785	1
uc008fsi.2 Setbp1	0.10027009	4.140311534	0.573389848	1
uc009axf.1 Asns	0.1002525	7.182782046	0.497082422	1
uc007iht.1 Sptbn1	0.10017187	10.85449897	0.356400412	1
uc012gih.1 Rpgrip1l	0.10012106	3.382754496	0.567238141	1
uc012fzf.1 Abhd13	0.10007849	6.202862277	0.260961445	0.995737605
uc007mjo.1 H3f3b	0.10007196	6.988575922	0.312439325	1
uc009akl.1 Rac1	0.10005069	7.514643914	0.240256146	0.991246029
uc009jen.1 Tmem41b	0.10003278	4.058773372	0.439642248	1
uc009dhm.1 Sec13	0.09998206	5.535971902	0.259470172	0.995737605
uc008oha.2 Gm14420	0.09995948	4.995138185	0.466699085	1
uc007bcq.3 Cflar	0.09990735	8.064582795	0.289070656	1
uc033gri.1 Mtmr6	0.09983927	6.722312863	0.257456577	0.995737605
uc008hlh.2 Ccnj	0.09978739	4.475224461	0.490390521	1
uc008fuw.1 Cyb5a	0.0995266	8.150878156	0.374808319	1
uc008fym.1 Cdk2ap2	0.09948255	4.68457929	0.424586858	1
uc007cso.3 Ppp1r12b	0.09935649	2.588853657	0.704518344	1
uc009qvs.2 Irak1bp1	0.09927878	4.582888041	0.419179943	1
uc008rbc.1 Amy1	0.0992416	8.31943449	0.310636759	1
uc008hbf.1 Kank1	0.09919234	8.099443332	0.33416747	1
uc009tnt.3 Mecp2	0.09914015	7.04285245	0.250160274	0.995737605
uc007kvl.2 Msi2	0.09907975	6.41673341	0.239258997	0.990265182
uc007vmt.2 Ankrd46	0.09902838	6.136335615	0.281432095	1
uc008cty.2 Mea1	0.09900601	4.065102021	0.438363598	1
uc033ixv.2 Map3k10	0.0989955	4.424344026	0.398871316	1
uc007yjsx.2 Ppil2	0.09899242	5.182759721	0.297827106	1
uc007alc.1 Mcm3	0.09882254	3.113850476	0.603457113	1
uc029rpm.2 Prkar1a	0.09874692	8.123620384	0.245040372	0.995630091
uc033gxp.1 Zc3h7a	0.09863555	6.065714464	0.329660547	1
uc008eda.1 Impact	0.09853704	6.895050615	0.278765576	1
uc009ovh.1 Tbrg1	0.09840547	4.797917886	0.339310361	1
uc008gmj.2 Snhg1	0.0983396	3.64315869	0.537319763	1
uc007hoc.1 Dgka	0.09830857	5.005361511	0.349172492	1
uc009tgg.2 Ddx26b	0.09826391	5.466440531	0.626178506	1
uc009imd.1 Spcs2	0.09814598	5.379574107	0.326688922	1
uc033ije.1 Wdr1	0.0979956	7.643456315	0.345340772	1
uc008xok.3 Rbm47	0.09795355	7.67414834	0.327067393	1
uc009leo.2 Gpat4	0.09792391	8.693470062	0.291977045	1
uc008ust.2 Sh3d21	0.09790108	3.586094461	0.587378472	1

uc009lkt.2 DQ724448	0.09784447	5.527034505	0.326242409	1
uc007uac.1 Nedd8	0.09780219	4.330043607	0.405235522	1
uc008upu.1 Ndufs5	0.0978014	3.824634939	0.476015015	1
uc007rua.2 Dimt1	0.09779102	2.1391381	0.642259097	1
uc012dov.1 Dhrs3	0.09777021	7.32235212	0.355121942	1
uc008tme.1 Rps6	0.09775081	3.844083601	0.497280493	1
uc007rzn.2 Zfp131	0.09770223	5.839167956	0.313048999	1
uc008zlm.2 lft81	0.09767336	3.44059701	0.528488036	1
uc007qbb.3 Tubb2a	0.09756148	3.3549836	0.608516783	1
uc008yhu.2 Coq2	0.0975267	5.795715691	0.289457504	1
uc009tof.2 Dnase1l1	0.09748335	3.944662712	0.54192189	1
uc007oga.2 Arel1	0.09744235	6.982568572	0.293639085	1
uc008vif.1 Luzp1	0.09741845	6.206766925	0.301934606	1
uc009ddf.2 Sumf1	0.09717138	5.89037358	0.283027641	1
uc007yzy.2 Osbp11	0.09712667	8.482065466	0.321795108	1
uc008aao.2 Pigp	0.09708611	4.379158957	0.422896281	1
uc008ehz.1 Slc25a46	0.09706718	6.762037867	0.263983781	0.997473088
uc008ntp.1 Ywhab	0.09700426	10.17657319	0.287757159	1
uc008sjs.2 Il11ra1	0.09698377	4.712820915	0.384355312	1
uc008pmw.1 Bche	0.09695717	9.028912513	0.350115115	1
uc008qve.2 Rap1a	0.09694623	4.957031641	0.391801363	1
uc007ogz.1 Tmed10	0.09684991	6.730602628	0.301480436	1
uc007zqb.1 4930453N24Rik	0.09669341	4.348414937	0.429566526	1
uc011zmo.2 Setdb2-phf11c	0.09666219	3.620891353	0.496065329	1
uc008hxp.1 Acsl5	0.09662563	6.658046885	0.239509681	0.990265182
uc007gba.1 Abca7	0.09662215	4.533479852	0.409850147	1
uc007gjk.2 AU041133	0.09633185	2.83419102	0.663800889	1
uc008cvk.1 Ccnd3	0.0963015	6.805661897	0.283240857	1
uc007roh.1 Arhgef28	0.0962424	5.845809502	0.412862708	1
uc009hgm.1 Ndn12	0.09621535	3.129077125	0.572627552	1
uc008jkc.2 Gsn	0.09611387	12.46915012	0.296085771	1
uc007cx.1 Trove2	0.09610149	6.775968956	0.301450874	1
uc009dex.2 Mtmr14	0.09601746	5.739439284	0.354576459	1
uc009vey.1 DQ539915	0.09594554	11.20297226	0.331788863	1
uc007yuy.1 P3h2	0.09591259	1.761467608	0.7161101	1
uc008mcz.1 Secisbp2l	0.09589641	8.153319823	0.258522782	0.995737605
uc007gkj.1 A230046K03Rik	0.09572734	6.384275856	0.266700709	0.99851571
uc007nub.2 3110056K07Rik	0.09566401	2.019127886	0.691470945	1
uc008fxq.1 Aldh3b1	0.09563084	2.373601182	0.747948195	1
uc008lwr.1 AK029170	0.09553671	4.498492708	0.397662841	1

uc008gyl.1 E030003E18Rik	0.09546668	5.373526345	0.509041322	1
uc008lww.2 Ttbk2	0.09541322	5.891651681	0.306046258	1
uc007uvt.2 Commd6	0.09510908	4.036911525	0.464115772	1
uc012eta.1 Rhno1	0.09490931	2.519615943	0.617197665	1
uc057bpg.1 AK136385	0.09484093	2.688266279	0.652719999	1
uc007qly.2 Spin1	0.09481784	6.449526266	0.276113185	1
uc057bmd.1 AK149313	0.09478453	3.074239653	0.638477073	1
uc007gvw.1 Cep83	0.09455484	3.348269388	0.556706919	1
uc033gxv.1 Mpv17l	0.09444416	3.019600734	0.63548006	1
uc008mxc.1 Eid1	0.09435279	5.668279961	0.38328275	1
uc009nnf.3 Kars	0.0942603	5.9280596	0.284182587	1
uc008sas.2 Triqk	0.0942047	2.788359516	0.610596474	1
uc009kcv.1 AK020376	0.09412066	4.667625173	0.440929949	1
uc007iok.2 Med7	0.09410447	3.761487664	0.522585246	1
uc008jhu.1 Zbtb34	0.09406538	5.633115328	0.352223352	1
uc009hvf.2 Ap3s2	0.09403059	5.245592308	0.320772742	1
uc007zub.1 N6amt1	0.09399118	4.138656643	0.473633513	1
uc008cdz.2 C2	0.09371198	8.878729755	0.383154363	1
uc008rae.1 Slc25a24	0.09369526	3.141597519	0.733776277	1
uc009bit.2 Mtpn	0.09365368	7.797375884	0.294649878	1
uc009oeo.1 Cwc15	0.09365361	3.47280953	0.542352341	1
uc007box.2 Des	0.09357607	3.288725554	0.605980556	1
uc012cwt.1 Slc35a3	0.09356696	6.464671406	0.257058282	0.995737605
uc008yzx.1 Tchp	0.09345092	2.614893921	0.611443887	1
uc008lwh.1 Snap23	0.09343758	5.907138365	0.312412381	1
uc007vlt.2 Rida	0.09333527	4.346878874	0.468004985	1
uc012dej.1 Rad23b	0.09332935	6.410803062	0.238726916	0.990160092
uc009kee.1 Ptpr	0.09327398	2.987975409	0.771725826	1
uc007hmi.1 Cnpy2	0.09324967	4.771071172	0.440972297	1
uc009cah.1 Ggct	0.09321986	1.765641395	0.739052425	1
uc007waj.1 Phf20l1	0.09314957	6.606517722	0.299276157	1
uc008jmp.2 Pdcl	0.09310828	4.812978157	0.386796417	1
uc007vhk.3 Zfr	0.09294052	7.339135374	0.285381698	1
uc007hxy.2 Nudcd3	0.092862	6.316498157	0.302195461	1
uc007rgh.1 Arsk	0.09283716	4.774943363	0.414342237	1
uc008zth.2 PspH	0.092837	3.599736717	0.554063022	1
uc009mca.2 Rpl18a	0.09277385	5.021020296	0.343681227	1
uc009uhn.1 Gprasp1	0.09276305	5.511854029	0.41390524	1
uc009oph.2 Herpud2	0.09275941	6.521203686	0.248928593	0.995737605
uc009prs.2 Hykk	0.09271545	4.65206627	0.470538052	1

uc008hdm.1 A930007I19Rik	0.09255951	2.016613275	0.749380624	1
uc008nqa.1 Lbp	0.09251713	5.945562694	0.643694362	1
uc008sig.1 Aqp7	0.09237351	7.906450197	0.363424876	1
uc009tml.2 Abcd1	0.09237271	5.579185519	0.343510578	1
uc007gnn.2 Syn3	0.09235716	3.315684811	0.620009198	1
uc007bln.1 Arpc2	0.09235444	6.434522925	0.35343023	1
uc009tax.2 Stag2	0.09234888	7.774924255	0.353840636	1
uc007qrf.3 Pdlim7	0.09234499	3.309797158	0.676177616	1
uc007kkc.2 Nos2	0.09233828	1.951321264	0.7528727	1
uc009sex.1 Abhd5	0.09230581	8.722333981	0.54315344	1
uc008vbf.2 Snhg3	0.092248	2.010960708	0.653443951	1
uc007udv.1 Micu2	0.09223122	5.497657545	0.331902283	1
uc007oij.2 Pomt2	0.09222727	9.012459277	0.329590213	1
uc008cxu.2 Oard1	0.09222652	3.064446274	0.597600642	1
uc007erk.2 Epb41l2	0.09219052	8.575510628	0.319195972	1
uc007lgj.1 Mien1	0.09218601	3.676713912	0.529960708	1
uc008rrm.2 Rpf1	0.09201782	2.947684079	0.60983084	1
uc057bsq.1 BC025055	0.09196412	3.345334509	0.576125092	1
uc008qlx.2 Plekho1	0.09195241	2.117586635	0.801182203	1
uc008qxj.1 Ahcyl1	0.09193736	8.060174235	0.318656392	1
uc008rpr.1 Sep15	0.09189485	7.738942178	0.30968485	1
uc008xnu.2 Ube2k	0.09181629	5.873306467	0.26694532	0.99851571
uc007tlt.1 Tep1	0.09176503	7.559837835	0.277495068	1
uc008zqs.1 Zfp664	0.09169791	6.652910913	0.262155877	0.995737605
uc029qwt.1 Gm20300	0.09161822	5.281479497	0.436575537	1
uc008qzg.2 Tmem167b	0.09159055	6.11472019	0.273118252	0.998835363
uc007wwk.1 Slc25a17	0.09158731	5.666726156	0.329371776	1
uc009tmr.2 Ssr4	0.09149976	4.789696745	0.393202144	1
uc008njx.1 Eif2s2	0.0914799	4.709908828	0.426549064	1
uc007mtf.1 Fam195b	0.09147855	4.807687142	0.405869918	1
uc008vxz.2 Park7	0.09139693	5.180086533	0.358681624	1
uc008ahv.1 Ezr	0.09136865	1.78654856	0.801307505	1
uc056zig.1 Cpeb3	0.09134877	6.799449626	0.346896367	1
uc008woh.1 Ptpn12	0.09127948	5.836058603	0.369479661	1
uc007tbo.1 Ccser2	0.09120822	7.964781656	0.342330491	1
uc007pll.1 Heatr1	0.09114616	6.009221275	0.318363316	1
uc009tve.1 Yipf6	0.09102406	5.980588977	0.329193348	1
uc009fuy.1 Cyp2f2	0.09101108	8.937188054	0.390368911	1
uc009cof.2 Tex261	0.09094725	5.326882164	0.363687734	1
uc008pln.1 Lxn	0.09091305	2.015255287	0.688441594	1

uc008ucf.2 Eps15	0.09090491	7.425519576	0.282649161	1
uc009bar.1 Tspan12	0.09089882	8.154106673	0.363137885	1
uc008vbx.1 Stx12	0.09079958	7.004406368	0.274365185	0.998835363
uc007rlc.3 Homer1	0.09079411	5.124382772	0.438720443	1
uc008xin.1 Tapt1	0.09075291	7.350274842	0.466789068	1
uc008yih.1 Agpat9	0.09075255	8.42339853	0.427210064	1
uc007mlv.1 Cygb	0.09072371	2.893649882	0.675130095	1
uc007zpk.2 Crybg3	0.09067846	5.325639449	0.37648208	1
uc008rve.1 Zranb2	0.09066043	5.879834766	0.335812896	1
uc008urd.2 1110065P20Rik	0.09058604	2.038776178	0.68177325	1
uc009kou.2 Cd81	0.09052181	8.411172855	0.323754581	1
uc007bcj.2 Fam126b	0.09045237	9.076214861	0.367071041	1
uc007hrp.1 Pisd-ps1	0.09045082	3.638309202	0.552782984	1
uc008dvr.2 Ston1	0.09040517	3.92192709	0.717728939	1
uc008pnc.2 Pdcd10	0.09035221	3.625997476	0.558951079	1
uc007ugs.1 Ints6	0.09022793	6.697368222	0.409214291	1
uc012ann.1 Gm10012	0.09018017	3.259349162	0.553042895	1
uc057biy.1 AK028583	0.09011395	3.515207598	0.518680055	1
uc008ylz.2 Tgfrb3	0.09007763	8.65805475	0.464426228	1
uc007dxe.2 Cnih4	0.09007165	4.975212999	0.381588842	1
uc008oog.1 Zc2hc1a	0.09004479	4.581335026	0.493430236	1
uc007dft.2 Suco	0.09004228	6.380880048	0.333950321	1
uc011zcc.1 Fam172a	0.0900275	5.385676417	0.368708732	1
uc008kix.2 Tmx2	0.08998003	5.081748808	0.452438326	1
uc008fow.1 Elac1	0.0897862	5.080815182	0.393183117	1
uc008dlv.1 Myl12b	0.08959084	3.90502478	0.534088413	1
uc008akk.2 Park2	0.08956136	3.93130888	0.5254419	1
uc008mmo.2 Cds2	0.08947626	7.88600526	0.302249581	1
uc007yjo.2 Ppm1f	0.08943383	5.990418406	0.371823083	1
uc012cnx.1 Tbl1xr1	0.08940462	7.090576845	0.353687173	1
uc009joy.2 Rbbp6	0.08938945	6.80407313	0.327548615	1
uc009apc.3 Hmgb1	0.0892791	4.743026387	0.478018355	1
uc007ikd.2 Npm1	0.08921525	4.580684246	0.464207497	1
uc008ika.2 Trdmt1	0.08918178	2.788702622	0.615836692	1
uc008ehf.2 Tpgs2	0.08908263	3.39088883	0.560188367	1
uc007mik.2 Grb2	0.08908172	5.509309268	0.361231262	1
uc008lmp.1 Lin7c	0.08904559	6.848904141	0.323483267	1
uc008fdx.1 Txnl1	0.08903913	5.452441123	0.357485253	1
uc008kcg.1 Ola1	0.08900824	5.105548165	0.340493194	1
uc007xhy.2 Slc2a13	0.08890416	7.1870266	0.464952072	1

uc007udo.2 Sap18	0.08885055	4.360676714	0.466957018	1
uc009cgw.1 Chmp3	0.08882207	5.659883681	0.325412178	1
uc008wcx.1 Morn1	0.08882062	2.119145543	0.727454951	1
uc009glt.1 Zfp788	0.08874293	4.11622927	0.557773394	1
uc009dbw.1 Rybp	0.08864128	3.483368977	0.581422531	1
uc007cgy.2 Kdsr	0.088548	7.209720508	0.311421998	1
uc029vmr.1 AB346559	0.08853591	2.693245284	0.645393979	1
uc007rah.1 Zfp759	0.08847081	2.626443655	0.712855931	1
uc009naz.1 Rad	0.08846341	2.777443178	0.691617569	1
uc007ntf.1 Nin	0.08845107	5.371146502	0.466447878	1
uc007bck.2 Ndufb3	0.08844853	4.512194544	0.520636971	1
uc008hds.1 Ric1	0.08840734	7.570249797	0.305358159	1
uc007vot.2 Oxr1	0.08836751	7.426902147	0.301911934	1
uc008ebf.1 Mib1	0.08827195	6.147140987	0.348889476	1
uc008vmt.1 Klhdc7a	0.08823613	8.817726213	0.46694879	1
uc008phr.1 Tsc22d2	0.08820588	8.587457326	0.643053395	1
uc008get.1 Map3k11	0.08811788	5.52643662	0.352532276	1
uc011zjq.1 Gm6498	0.08810855	2.087096597	0.772144757	1
uc007hka.1 Stat6	0.08807278	6.727376002	0.36288783	1
uc007glc.2 Tmem263	0.08806725	5.504329189	0.363425032	1
uc011zmv.1 Cdadc1	0.08794982	5.545369636	0.34879628	1
uc008uwr.1 Sync	0.08786876	7.504010498	0.316627869	1
uc009ezn.2 Zfp784	0.08786416	2.647830947	0.664992771	1
uc009nrx.2 Zcchc14	0.08785571	6.955563298	0.512784217	1
uc007hnc.2 Myl6	0.08783192	5.165769343	0.396914349	1
uc007wwq.1 Rbx1	0.08778301	4.941723168	0.411916333	1
uc007vrd.2 Rad21	0.08765488	7.237660765	0.319492847	1
uc007loo.1 Aoc2	0.08759575	2.025720382	0.697237626	1
uc009eps.2 Cmas	0.08755412	4.838653728	0.411251279	1
uc008vck.1 Map3k6	0.08754531	7.248183783	0.509470709	1
uc009lfr.3 Plekha2	0.08749671	5.216095496	0.475604118	1
uc057ait.1 Folr2	0.08736769	3.627818562	0.790639732	1
uc007brr.2 Rhbdd1	0.08733314	5.002627336	0.36243408	1
uc008ftb.1 Ctdp1	0.08732359	4.769438839	0.46654206	1
uc007fea.1 Dnajb12	0.08730447	5.358477491	0.37436019	1
uc008eya.1 Csnk1g3	0.08725533	5.156407472	0.392565973	1
uc007xjk.2 Irak4	0.087234	3.834017747	0.553211662	1
uc008qsn.1 Nras	0.08722862	6.46293155	0.43807496	1
uc007nhx.2 Prkar2b	0.08722844	10.34774194	0.385981201	1
uc008rca.1 Cdc14a	0.08721159	2.058260072	0.716402634	1

uc007seq.2 Rpp14	0.08716946	4.778899901	0.434351425	1
uc009esc.1 Fgfr1op2	0.08715889	5.792264043	0.315186693	1
uc008nqe.1 Snhg11	0.08711358	6.065228761	0.57884819	1
uc008tvu.1 Leprot	0.0870662	4.763625417	0.415025334	1
uc007jdi.2 Mrpl55	0.08704183	3.34978024	0.589873654	1
uc007shv.1 Ube2e2	0.08701923	4.601815484	0.471530684	1
uc008vfi.2 Mtfr1l	0.0869742	6.698803588	0.328335482	1
uc009ftq.2 Tgfb1	0.08695522	4.33477	0.660668937	1
uc007fbg.2 Gopc	0.0869437	5.850470772	0.365751949	1
uc008eiu.2 Sft2d3	0.08689953	3.228939272	0.593882791	1
uc008gkv.2 Al846148	0.08689342	3.665520997	0.559824278	1
uc007pbt.1 Wdr20	0.08682717	4.367698953	0.457839284	1
uc008qwa.2 Dennd2d	0.08675574	7.75197756	0.450175458	1
uc033hlc.1 Ablim1	0.0867476	8.025358915	0.334866924	1
uc009fdf.1 Zik1	0.08669294	1.912602144	0.741452648	1
uc008yaz.3 Alb	0.08665915	4.628836385	0.631352231	1
uc009ctx.1 Rab43	0.0866417	5.105455421	0.453266564	1
uc008lqr.2 BC052040	0.08660913	2.525953534	0.68838885	1
uc007iyf.2 Cdc42se2	0.08658209	5.121366019	0.447849539	1
uc007wzc.2 Ndufa6	0.08654389	4.563722868	0.456776773	1
uc007ksl.1 Rnft1	0.08653653	5.670537766	0.323461942	1
uc007rhv.1 Lysmd3	0.08648308	5.017793831	0.412487338	1
uc007uqs.1 Zc3h13	0.08647595	4.841942564	0.480027107	1
uc007ute.1 Sugt1	0.08646842	4.588444868	0.444037154	1
uc007vob.2 Slc25a32	0.08638148	5.0231717	0.379579521	1
uc008bzs.2 Rps28	0.08635631	3.001035649	0.61061841	1
uc009kov.1 Tssc4	0.08633185	3.675441938	0.532256882	1
uc008txd.2 Mier1	0.08629551	6.27378204	0.342794707	1
uc008bpu.1 Taf11	0.08619496	2.836775975	0.629051827	1
uc007thy.1 Mapk1ip1l	0.08617758	6.024781817	0.334765887	1
uc007cre.1 Btg2	0.08605877	10.3281027	0.575211898	1
uc007nse.2 Nemf	0.08582504	5.191048986	0.410133263	1
uc057bbc.1 AK051254	0.08563295	4.991639734	0.61078615	1
uc009ggn.1 Ffar2	0.08557256	7.112323731	0.493388051	1
uc007cfk.4 Ppip5k2	0.08555651	5.047802749	0.396464695	1
uc007icc.1 Pno1	0.08553477	4.569503365	0.514714143	1
uc008flu.2 Chmp1b	0.08551121	5.745011092	0.415702983	1
uc007sfm.2 Ptprg	0.08545147	7.622904277	0.435183548	1
uc007dky.1 Mgst3	0.08543678	6.473983386	0.427094332	1
uc057acp.1 AK034494	0.08520521	5.179049349	0.691612925	1

uc009opa.3 Dpy19l1	0.08515673	5.727604874	0.361737021	1
uc029sno.2 Nadk2	0.08512253	5.750810852	0.393504927	1
uc008arr.1 Zfp758	0.08511766	4.383385065	0.532417374	1
uc007bvp.1 Ptma	0.08510149	4.226913736	0.524219209	1
uc007gww.1 Eea1	0.08503056	6.595106181	0.339204159	1
uc033gzz.1 Kcnj15	0.08494793	4.768795389	0.781675624	1
uc009blk.2 Slc37a3	0.08491323	5.67414705	0.328523558	1
uc007gej.1 Izumo4	0.08485702	1.876280697	0.721536242	1
uc007cgz.2 Vps4b	0.08475869	6.239728874	0.372513014	1
uc009lke.1 Ubxn8	0.08472635	4.64712685	0.502534723	1
uc008sil.2 Dcaf12	0.08471108	5.945451882	0.320634479	1
uc009byz.2 Tax1bp1	0.0846673	7.872468591	0.328990277	1
uc009rbx.2 Xrn1	0.08456963	6.965294634	0.309027426	1
uc007eyz.2 Sec63	0.08454559	6.83085771	0.32405249	1
uc007klv.2 5730455P16Rik	0.08450743	5.758047085	0.348694254	1
uc008vdn.4 Rps6ka1	0.08450375	2.382362382	0.782563327	1
uc009uiw.3 Morf4l2	0.08436491	6.180147787	0.363306103	1
uc007nbc.2 Fam49a	0.08435149	6.035696994	0.542024089	1
uc008xxj.2 Uba6	0.08434986	5.449645067	0.40606455	1
uc009bco.2 Gcc1	0.08434474	4.315873653	0.513218187	1
uc008pia.1 Siah2	0.08418639	4.219443472	0.526567957	1
uc007xox.1 Spats2	0.08408573	3.104579224	0.635288495	1
uc009tom.2 Gdi1	0.08403114	6.823012499	0.343672862	1
uc008pme.1 Kpna4	0.08398749	7.731067031	0.386213795	1
uc009azo.2 Cav1	0.08398401	10.82177445	0.363938381	1
uc009cnh.1 Bola3	0.08396133	3.332362062	0.60534776	1
uc009eqt.2 Bcat1	0.08395804	2.931329901	0.780468843	1
uc007mtj.1 Arhgdia	0.08393526	7.411369421	0.333141493	1
uc007xcw.1 Fam118a	0.08388731	3.076046747	0.655303744	1
uc009kbj.1 Ikzf5	0.0837305	5.098896486	0.399058179	1
uc008tgq.2 Atp6v1g1	0.08369476	4.041930223	0.558825342	1
uc007eqs.1 Stx7	0.08357781	5.768515629	0.359548251	1
uc008hff.2 Sgms1	0.08349447	6.476048094	0.442593209	1
uc007nmt.2 Strn3	0.08343992	7.463017123	0.334626991	1
uc011yyr.1 Tmem170b	0.0833558	7.09566179	0.388065899	1
uc009eqe.1 Etnk1	0.08327121	8.097281016	0.323935679	1
uc009hra.2 Rgma	0.0831984	6.394050596	0.564398134	1
uc009efg.1 2310001H17Rik	0.08317682	3.235041569	0.71256406	1
uc008gzb.1 Abhd17b	0.08317416	5.43552393	0.385394824	1
uc007thh.2 Gmfb	0.08316407	7.482748204	0.417170287	1

uc007ntz.3 Psm3	0.08312922	5.162254452	0.386581658	1
uc008pui.1 Rhbg	0.08310184	2.50068483	0.706295897	1
uc033hjc.1 Lbhd1	0.08308306	2.480083009	0.668099498	1
uc008znc.1 Tmem120b	0.08295597	7.238855107	0.411054104	1
uc007phn.1 Esyt2	0.08292288	7.755287705	0.343212672	1
uc008tzj.2 Tmem59	0.08280059	7.853465805	0.335759299	1
uc007afh.1 Lypla1	0.08278245	7.14292526	0.405233413	1
uc009img.3 Rnf169	0.0827813	5.420254649	0.458492002	1
uc008yag.1 AK046278	0.08271746	6.1243135	0.388305726	1
uc009rcn.1 Rasa2	0.08264154	6.54662847	0.471231775	1
uc009psz.2 Peak1	0.08244013	6.505078226	0.410687628	1
uc008wdp.2 Gnb1	0.08240486	8.225385639	0.318511977	1
uc012buy.1 Scai	0.08230152	5.480691009	0.516905834	1
uc009ghj.2 Lsr	0.08229193	3.465253822	0.641385645	1
uc008qqw.3 Man1a2	0.08228141	6.614682512	0.328045258	1
uc008qlu.2 Anp32e	0.08225402	5.961021937	0.383543489	1
uc008zfq.1 Wsb2	0.0822213	5.828385162	0.396795625	1
uc007csu.1 Arl8a	0.08212087	4.806247509	0.453016946	1
uc008eag.2 Fzd8	0.08209698	4.025365364	0.560085893	1
uc009kbm.2 Acadsb	0.08209124	9.025672424	0.388555742	1
uc009qyj.2 Nt5e	0.08207448	2.977571992	0.751279704	1
uc008pxm.1 Rusc1	0.08190437	3.593220182	0.568955758	1
uc007lls.1 Dnajc7	0.08187136	4.965928553	0.498683008	1
uc011xfn.2 Reep3	0.08179756	7.41278849	0.333338002	1
uc007pnl.1 Psm2	0.08174115	5.076283142	0.425592716	1
uc007pjw.1 Klf6	0.08164191	9.263584671	0.647504324	1
uc007hol.1 Dnajc14	0.08163522	6.385068794	0.314174505	1
uc009rph.3 Usp4	0.08163066	7.136503487	0.326276756	1
uc007idd.1 Sertad2	0.08149947	5.552062109	0.358780283	1
uc008hyw.1 Casp7	0.08146157	4.766098927	0.474009876	1
uc009qzw.2 Morf4l1	0.08140934	6.4148265	0.352428635	1
uc007huq.1 Tbc1d10a	0.08138405	3.523111928	0.612756969	1
uc007zda.1 Iqcb1	0.08132866	3.440821245	0.61989866	1
uc007fbi.2 Nus1	0.0813068	6.669420719	0.469694749	1
uc008svv.3 Zfp189	0.08128368	2.717778893	0.716850798	1
uc009ciz.2 Tcf7l1	0.08124884	3.834373084	0.58263289	1
uc008wzq.2 Ppp1cb	0.08116788	7.899349134	0.344125926	1
uc009pbv.1 AK134203	0.08097267	1.826745924	0.735472447	1
uc007sgf.2 Thoc7	0.08089245	4.617598578	0.487677654	1
uc009hig.3 Mef2a	0.08075683	7.279732439	0.431371691	1

uc007rkp.2 Fam151b	0.08067645	2.57956247	0.674166096	1
uc007fhf.2 Vps26a	0.08066521	7.069848696	0.355678303	1
uc009bxp.2 Hnrnpa2b1	0.08059823	7.692402924	0.434457673	1
uc008fvv.1 Tmx3	0.08052655	6.770752096	0.407046115	1
uc008mpa.1 Btbd3	0.08040243	5.122576695	0.477842637	1
uc057ajp.1 Ctf1	0.08038247	2.655398387	0.695762543	1
uc008phw.2 Eif2a	0.0803432	5.723464366	0.396823306	1
uc009nam.1 Cmtm3	0.08030122	2.467604901	0.803293718	1
uc012gus.1 Gm10653	0.08026262	3.725089483	0.6123829	1
uc009lgn.2 Whsc111	0.08022803	6.885289398	0.413977828	1
uc007daq.2 Glul	0.08010357	10.83825556	0.387163487	1
uc007z kf.1 lft57	0.08005009	3.238936642	0.650989802	1
uc007kpf.1 Taf15	0.08003813	5.435543514	0.519366848	1
uc008pzz.2 Pbxip1	0.08001754	6.306962347	0.427345759	1
uc008gds.1 Snx32	0.07993072	2.992911301	0.656771298	1
uc009pei.2 Arcn1	0.07992324	7.259799798	0.337377852	1
uc008vbu.1 Rpa2	0.07983015	2.822542096	0.668784425	1
uc008cov.1 Tnfrsf21	0.07980004	3.22331548	0.727890099	1
uc009dll.2 Csgalnact2	0.07979592	5.682931346	0.472858363	1
uc009rzz.2 Ctdspl	0.07977817	8.831653037	0.430460324	1
uc008vcf.1 Wasf2	0.07975505	7.34952467	0.373036524	1
uc007ksr.1 Tubd1	0.07974448	3.54115779	0.626045293	1
uc007wyw.2 Naga	0.0796218	5.892355612	0.393337581	1
uc007tbi.2 Wapl	0.07960294	7.569977116	0.378800921	1
uc008wjh.2 Sri	0.07955318	6.134757122	0.38638272	1
uc009idx.2 Mesdc2	0.079548	5.544929867	0.385992456	1
uc007qgx.1 Dtnbp1	0.07954535	5.567697869	0.401922522	1
uc008goz.1 Fads3	0.07949983	9.052390439	0.537654291	1
uc008xxx.1 Ythdc1	0.07949478	5.884750064	0.483786128	1
uc008zoz.1 Arl6ip4	0.07941686	2.987308435	0.648426856	1
uc007ksn.2 Rps6kb1	0.07935162	6.915437858	0.361350689	1
uc009dtx.1 Vamp1	0.07932353	3.567348318	0.594745071	1
uc009bcm.1 Zfp800	0.07931001	4.981669289	0.444079147	1
uc009tow.3 Fam3a	0.07930637	4.532764431	0.483734311	1
uc007kek.1 Inpp5k	0.07909472	5.862723339	0.403003661	1
uc009qex.2 Fbxl22	0.07892855	1.832281012	0.767240477	1
uc008mdb.2 Cops2	0.07885097	6.924559217	0.376743481	1
uc008rcd.2 Rtca	0.07881005	3.267429033	0.629729223	1
uc007yyr.2 Ubxn7	0.07863625	7.238517025	0.418679137	1
uc008nog.2 Ndr g3	0.0786103	6.461861065	0.392612725	1

uc007zln.2 Nfkbiz	0.07854365	8.327841306	0.636689615	1
uc008ego.1 Ino80c	0.07850675	5.087285367	0.439556654	1
uc007mgr.1 Nat9	0.07843505	3.316791517	0.617389937	1
uc007nso.2 Sos2	0.07838489	6.938038735	0.456127769	1
uc007pds.3 Bag5	0.07836203	4.104351422	0.568373517	1
uc009cdg.1 Nap1l5	0.07828015	2.46161051	0.739957105	1
uc012gkd.1 Nfat5	0.07824244	7.471096873	0.485111111	1
uc009jpp.1 Smg1	0.07816724	8.74234521	0.43086147	1
uc007gtv.2 Tmpos	0.07812489	5.160602436	0.467196463	1
uc007iwt.1 Rad50	0.07810949	5.592817838	0.446332428	1
uc009joo.3 Plk1	0.0780675	4.823791139	0.467522104	1
uc009fig.2 Prkd2	0.07805415	5.382162019	0.477324032	1
uc008vju.2 Ece1	0.07801726	7.178251922	0.428406342	1
uc007sth.1 Appl1	0.07795941	6.30242608	0.388370861	1
uc009dsf.1 P3h3	0.07793897	2.606652702	0.715029688	1
uc009mfj.1 Rab8a	0.07790815	5.229315655	0.433359779	1
uc008eny.2 Sra1	0.07787783	5.518483155	0.547365954	1
uc029vkf.1 Btbd8	0.07776962	2.540415755	0.692875933	1
uc007wvl.2 Atf4	0.07768399	6.739266434	0.492644309	1
uc009jdy.1 Akip1	0.07758678	3.153700263	0.632130959	1
uc007efb.1 Cnksr3	0.07743182	5.788387351	0.580808067	1
uc009noc.2 Wwox	0.07741582	4.42322523	0.532080533	1
uc008gie.2 Map4k2	0.07737743	5.288924029	0.423774816	1
uc008iir.2 Il15ra	0.07736326	6.581261349	0.527940831	1
uc008nyb.3 Zmynd8	0.07733448	5.138261977	0.478021175	1
uc009mwg.1 Herpud1	0.07717939	6.77961133	0.439049719	1
uc008rit.1 Sec24b	0.0771336	7.607713597	0.443721893	1
uc008zkh.2 Sh2b3	0.0771304	5.94707082	0.432491441	1
uc008agb.2 Gtf2h5	0.07706652	4.3873737	0.519884108	1
uc008urf.2 Yrdc	0.0769465	3.855808325	0.594883954	1
uc007dxu.2 Srp9	0.0769309	3.380804523	0.628302278	1
uc007ucb.2 Cenpj	0.07685478	2.964551815	0.664690573	1
uc008jqq.1 Rif1	0.07683714	6.440183676	0.496171725	1
uc008nkk.1 Trp53inp2	0.07681429	9.229226763	0.564254687	1
uc007upu.1 Med4	0.07681374	2.474649243	0.71567286	1
uc009mxg.2 Dok4	0.07667701	4.522861826	0.498773654	1
uc012gfu.1 Nxn1	0.07665429	2.635766233	0.738482062	1
uc008dcz.2 Ndufa11	0.07664669	3.968278524	0.564008707	1
uc008hxr.1 Zdhhc6	0.07661912	2.620135731	0.694824676	1
uc009uwu.2 Rab9	0.07653434	4.734327368	0.487289093	1

uc008mqb.1 Snrpb2	0.07649723	2.69977606	0.671331016	1
uc007lar.3 AB341653	0.07642146	5.174076028	0.458899939	1
uc007xix.1 Pphln1	0.07635633	5.889507248	0.384678027	1
uc007ord.2 Ptpn21	0.07633418	5.598539114	0.44495503	1
uc056zpq.1 AK154258	0.07623729	3.001975871	0.73549853	1
uc008dfi.2 Fbxl17	0.07620513	6.843133917	0.356255769	1
uc007xiq.1 Gxylt1	0.07619812	5.5662858	0.397391209	1
uc008qzl.2 Clcc1	0.07611041	5.446093881	0.41462168	1
uc007lkv.2 Eif1	0.07605687	5.804960151	0.460092069	1
uc007rxm.2 Ndufs4	0.07600197	4.946669862	0.485146743	1
uc007azx.2 Sf3b1	0.07598169	8.600612761	0.391871742	1
uc007gve.1 Metap2	0.07597241	6.302695205	0.402264671	1
uc009txs.2 Nono	0.07594862	6.173319383	0.358391432	1
uc007wbw.2 Ptk2	0.07592129	5.95423073	0.408537399	1
uc008vnu.2 Necap2	0.07590216	5.052085174	0.453950684	1
uc008sqi.2 Gba2	0.07587597	5.500273586	0.433550109	1
uc008yrg.1 Ep400	0.07571081	7.540784478	0.42036643	1
uc008sej.1 Manea	0.07563902	6.425339556	0.421204715	1
uc007qyj.1 Zfp367	0.07554266	4.438441628	0.543642936	1
uc007lyh.2 Strada	0.07552646	3.936048417	0.557113925	1
uc009mlw.1 Dcaf15	0.07546125	3.465448865	0.639209681	1
uc009imz.1 AK040808	0.07543881	2.394036851	0.703639996	1
uc007jgn.1 Smcr8	0.07542142	7.262852831	0.498922723	1
uc008pzv.2 Adar	0.07536541	5.287657385	0.477746568	1
uc011zte.1 9930014A18Rik	0.07534552	4.325914897	0.573215553	1
uc008gmi.2 Slc3a2	0.07531406	7.11541562	0.433339892	1
uc007lbd.2 Ube2z	0.07528298	6.300280509	0.359132559	1
uc008tll.2 Cntln	0.07528152	4.20570782	0.603218811	1
uc007epx.2 Rps12	0.07527808	4.332537322	0.528260714	1
uc009aok.1 Pomp	0.07523264	5.517609382	0.474302158	1
uc007uxs.2 Ndfip2	0.07520783	5.322089188	0.418393056	1
uc007ryb.2 Pelo	0.07518301	3.715670856	0.617336467	1
uc008fqr.2 Ier3ip1	0.07515772	3.55722702	0.610757936	1
uc008oqh.2 Lrrcc1	0.07514569	3.727384396	0.60737829	1
uc007igu.1 Cfap36	0.07511407	3.670974598	0.611297216	1
uc008akb.2 Qk	0.07487704	9.632303251	0.456473922	1
uc007bay.2 1700066M21Rik	0.07483904	3.727814234	0.620311267	1
uc008pzt.2 Pmvk	0.07482085	3.888088638	0.603581899	1
uc009dkj.1 Zfp422	0.07480477	3.218169613	0.663638774	1
uc007lah.1 Slc35b1	0.07479232	5.049103576	0.470598832	1

uc008xfa.2 Mrfap1	0.07472756	5.606480575	0.416251467	1
uc007mvl.2 Hexdc	0.0746504	4.66950107	0.497925269	1
uc008vkt.1 Ddost	0.07463756	6.866516068	0.381038813	1
uc008hpd.2 Erlin1	0.07456424	5.617459615	0.478923124	1
uc009pbf.1 Oaf	0.07449946	4.278952959	0.583549981	1
uc007yop.2 Mrpl40	0.07449308	3.397217316	0.650857643	1
uc007ijr.1 Ubtd2	0.0744405	3.428313252	0.646166827	1
uc012bxt.2 Sestd1	0.07432873	5.976056997	0.409654781	1
uc009uld.1 Mid2	0.07431946	6.536663431	0.351005174	1
uc008zqg.2 Tctn2	0.07430498	3.21777019	0.647582267	1
uc008rfi.2 Mettl14	0.07427114	3.243955704	0.648587731	1
uc008thy.2 Cdk5rap2	0.07422708	3.960030783	0.586504839	1
uc009lyd.1 Ndufa13	0.07421112	3.937393439	0.614707036	1
uc007qvw.2 Zfp935	0.07418089	3.074582288	0.748890828	1
uc007jfn.2 Srebfl	0.07412095	10.12305337	0.491494849	1
uc011xrw.1 Actr2	0.07408794	7.180880711	0.475842174	1
uc008nek.2 Psmf1	0.07407272	5.127383618	0.485700486	1
uc007ema.2 Reps1	0.07400136	4.944813063	0.468467054	1
uc007bbs.2 Clk1	0.07399493	7.642487095	0.475859831	1
uc008hfr.1 Pten	0.07395489	9.459899966	0.431001332	1
uc008qqz.2 Trim45	0.0739039	2.303347346	0.707456615	1
uc057aif.1 AK163129	0.07388512	4.67145811	0.775320749	1
uc057bpb.1 BC064032	0.07387679	7.859236509	0.398357339	1
uc008jvc.1 Psmd14	0.0738477	6.175739511	0.377801483	1
uc007xxm.1 Cbxs5	0.07375618	8.00961284	0.410217645	1
uc008qjw.2 Arnt	0.07371929	7.376244651	0.505081547	1
uc009lyo.1 Sugp1	0.07371571	4.258186346	0.545444658	1
uc007qon.1 Cltb	0.07365844	4.834908353	0.491842579	1
uc008aqs.1 Zfp677	0.07363522	2.695879443	0.726070704	1
uc007ihu.1 AK137356	0.07359702	3.927838474	0.663121177	1
uc008lwu.1 Cdan1	0.0735094	2.840978467	0.686046449	1
uc008eqc.1 Pcdhb17	0.07344473	3.725205521	0.631949091	1
uc008yjl.1 Ptpn13	0.07340357	1.899263113	0.743845262	1
uc008duj.2 Epas1	0.07339843	9.522323416	0.448848292	1
uc008jpo.2 Acvr2a	0.07326097	5.944918294	0.393178445	1
uc008pkv.1 Ccnl1	0.0732358	7.978267451	0.512770515	1
uc007rfd.2 Ccgc127	0.07320242	6.131774351	0.412351752	1
uc008yee.2 Ccng2	0.07317805	6.443764664	0.456495558	1
uc033hxf.1 Bola1	0.07311869	1.873972967	0.742808104	1
uc007oap.2 Actn1	0.07307251	5.506982889	0.596914315	1

uc008jbu.2 Lrrc8a	0.07304553	7.250348102	0.544053544	1
uc007cke.2 Actr3	0.07292135	6.363230089	0.45302031	1
uc007veg.1 Wdr70	0.072911	3.604439065	0.608942593	1
uc012hel.2 Gripap1	0.07279029	4.153720386	0.570852747	1
uc009ter.1 Hprrt	0.07278954	6.586445705	0.441198668	1
uc007lid.1 Top2a	0.0727268	1.465312914	0.884701939	1
uc009ocf.1 Dcun1d5	0.07270758	4.180217871	0.596222793	1
uc008jwd.2 Cobll1	0.07265518	7.196474511	0.445010807	1
uc009rzj.2 Azi2	0.07248986	6.658645285	0.405707278	1
uc008ylj.3 Zfp326	0.07238681	5.381921323	0.529822654	1
uc009afq.1 Zfp68	0.07236942	5.716033961	0.555519751	1
uc008hfk.2 Minpp1	0.07233421	5.225448756	0.47707483	1
uc009bdg.2 Calu	0.07228973	7.705419923	0.439815462	1
uc007ams.1 BC069931	0.07225995	4.672954982	0.609931637	1
uc009gzq.1 Tsg101	0.07217333	4.478628081	0.519274932	1
uc007tnk.2 Ndrq2	0.07214311	8.222024864	0.51981542	1
uc009crl.1 Fam136a	0.07209963	4.246997417	0.613739612	1
uc009qrk.2 Fam214a	0.072047	8.936757469	0.573504457	1
uc007yhh.1 Fopnl	0.07201605	5.482029105	0.49686769	1
uc007deg.2 Cacybp	0.07198842	5.162850655	0.49654595	1
uc008jyn.1 Ppig	0.0719703	4.530215626	0.539424364	1
uc008osf.2 Hps3	0.07192514	5.59154972	0.469637021	1
uc056yln.1 Pmp22	0.07191365	7.005133378	0.680836099	1
uc007dqc.1 Atp1a2	0.07190276	11.10528739	0.427921159	1
uc008jzp.2 Gorasp2	0.07185441	5.984602097	0.393134967	1
uc009ocz.3 Birc2	0.07184369	6.08485418	0.43116465	1
uc008nje.2 Snta1	0.07182695	6.070991147	0.636856149	1
uc007hoz.1 Bloc1s1	0.07176671	4.056230217	0.567763717	1
uc008rms.1 Lamtor3	0.07175838	4.22766441	0.586519914	1
uc011yur.1 Ppp2r5c	0.07166668	2.031929449	0.761410362	1
uc057bup.1 Art3	0.07165131	7.72719676	0.514644604	1
uc008bel.2 Crebrf	0.07164376	8.391480583	0.44242568	1
uc007gyp.1 Ccde59	0.07163918	2.228282206	0.729444185	1
uc008vde.1 Zdhhc18	0.07161418	4.84711188	0.500850726	1
uc007otp.2 Fbln5	0.0715447	4.83322887	0.753668427	1
uc008feh.1 Fech	0.07153681	7.42519666	0.493544039	1
uc007jzi.2 Cyb5d2	0.07136753	4.668713939	0.575932618	1
uc033jcj.1 Fgfr2	0.07136096	5.341413339	0.62259354	1
uc007cwx.2 Cdc73	0.07135995	6.876867139	0.448705168	1
uc057bmt.1 Sptan1	0.07131344	9.156291461	0.461186924	1

uc008pjn.2 Dhx36	0.07126962	6.288749069	0.445008846	1
uc007inr.1 Clint1	0.07122589	6.385991786	0.394958727	1
uc007ull.1 Dock5	0.07122017	5.574319428	0.514861772	1
uc007obt.2 Smoc1	0.07111395	9.065718967	0.427038204	1
uc008ssf.2 Fbxo10	0.07106923	3.838274261	0.59982682	1
uc009naa.2 Tk2	0.07106766	5.258392611	0.478209083	1
uc007gdd.1 Uqcr11	0.07104952	4.26867492	0.552736971	1
uc007qrx.1 B230219D22Rik	0.0710086	6.833945496	0.459533054	1
uc012cwr.2 Sass6	0.07098996	2.729739143	0.718063587	1
uc009cnf.1 Mob1a	0.07098755	6.14703016	0.419710555	1
uc008hej.2 Gldc	0.07096858	3.308123307	0.708806997	1
uc009rgj.1 Trf	0.07095112	11.6226655	0.434002206	1
uc008fmr.1 Cep76	0.07092034	3.87636642	0.632576235	1
uc007rws.1 Skiv2l2	0.0708912	6.26782342	0.431283718	1
uc008pjc.2 Mbnl1	0.07086389	9.281916615	0.415525821	1
uc009rls.1 Tusc2	0.07084404	4.799581096	0.511047746	1
uc009ian.1 Hddc3	0.07080648	2.499053864	0.718243365	1
uc008vxr.1 Rere	0.07079392	7.86057361	0.450048106	1
uc033fmo.1 Tor3a	0.07072526	5.002523371	0.481559227	1
uc008ydm.2 Scarb2	0.07061675	8.085461418	0.396626909	1
uc007xuk.2 Eif4b	0.07060779	7.829307042	0.454334408	1
uc007nch.1 Rock2	0.07049072	8.674220507	0.508541906	1
uc007yld.1 Thap7	0.07046128	3.322783238	0.65984381	1
uc008yiu.1 Arhgap24	0.07041661	6.417669969	0.508742947	1
uc007gqi.1 Hsp90b1	0.07030287	8.261705827	0.447320123	1
uc009jdc.2 Eif3f	0.07029792	6.629366964	0.39625579	1
uc007mvt.2 Wdr45b	0.07023124	6.002024313	0.444852914	1
uc009dpu.2 Clec4a1	0.07020304	1.768172129	0.888930653	1
uc009luy.1 Msmo1	0.07018661	4.381143584	0.637825215	1
uc007epu.1 Eya4	0.07015285	1.801166832	0.817949032	1
uc007zbc.1 Sec22a	0.07012353	5.154285096	0.488104937	1
uc007zqe.1 Cggbp1	0.07007638	7.333156341	0.440443657	1
uc007tlq.1 Parp2	0.07003628	3.662590774	0.626675845	1
uc033hzq.1 Pla2g12a	0.0699661	6.139011874	0.456193817	1
uc007iij.1 Stc2	0.0699194	4.676963663	0.654999466	1
uc009mnc.2 Nfix	0.06985997	8.007070296	0.428011234	1
uc008mck.1 Dut	0.06978413	2.089205945	0.74984089	1
uc056yes.1 AK041389	0.0697829	1.770942442	0.795949975	1
uc012bvt.1 Baz2b	0.06966439	6.42217281	0.487632773	1
uc057cdl.1 AK136501	0.06966017	2.124020084	0.828158616	1

uc007jea.2 Zkscan17	0.06960897	5.009998681	0.543331605	1
uc007czf.2 Tsen15	0.06959478	1.874711679	0.752881355	1
uc007vpq.2 Nudcd1	0.06948664	5.077561767	0.488361701	1
uc008wxu.1 Nrpb1	0.06946493	5.960851034	0.426053235	1
uc008dou.2 Crim1	0.06945156	6.852246643	0.530306842	1
uc007pto.1 Abt1	0.06917129	3.074979511	0.692432368	1
uc009rjh.1 Tlr9	0.06916256	1.659083075	0.832391122	1
uc007skk.1 Fut11	0.06908235	5.113679475	0.527026656	1
uc009lfn.2 Tm2d2	0.06902469	6.026076409	0.464444055	1
uc007bvl.1 Ncl	0.06896143	7.029027596	0.488489278	1
uc007nty.2 Actr10	0.06887834	5.5929917	0.467844292	1
uc007rlx.1 Tbca	0.0687953	3.99850096	0.632335298	1
uc056zyc.1 Tmco4	0.06874715	4.644054054	0.570847135	1
uc009qxj.2 Dopey1	0.06870506	7.05405844	0.451906813	1
uc007thg.3 Cnih1	0.06860748	6.701167397	0.507012414	1
uc008rss.1 AK077587	0.06857301	2.841804217	0.704955055	1
uc009pmf.1 Npat	0.06848483	5.014642087	0.525066845	1
uc009lkd.1 Ppp2cb	0.06846212	5.863281032	0.419443936	1
uc056zoh.1 AK033552	0.06841437	4.44454712	0.566687543	1
uc007fhn.1 Ddx21	0.0684053	6.069439018	0.539062394	1
uc011zqs.1 Ccdc152	0.06839733	4.147684128	0.691647381	1
uc007cav.1 Per2	0.06839727	7.00130787	0.651148102	1
uc009bkk.3 Luc7l2	0.06837373	7.790658367	0.517777855	1
uc008khd.2 Pde1a	0.06833796	7.236246162	0.438625372	1
uc007fcm.3 Serinc1	0.06827453	8.805149423	0.41345063	1
uc009nlz.2 AB351656	0.06825654	6.549148993	0.468368385	1
uc009kzu.2 Angpt2	0.06812251	2.796630971	0.76368807	1
uc008zyk.3 Hip1	0.06806425	7.509224102	0.617991346	1
uc008zzj.2 Ssc4d	0.06802048	2.203471496	0.78456905	1
uc011xft.2 Rhobtb1	0.06783871	6.091844594	0.55163776	1
uc008rlo.1 Ube2d3	0.06776778	7.432599991	0.437081478	1
uc008jrk.2 Prpf40a	0.06775041	6.221243643	0.418991806	1
uc008iej.1 Cdnf	0.0677194	2.365196018	0.722643553	1
uc008qqu.2 Fam46c	0.06771697	2.435116397	0.74976444	1
uc012eeu.1 Fis1	0.06770776	5.203347168	0.50084243	1
uc007kfj.2 Gemin4	0.06765212	5.769152291	0.468579176	1
uc007icv.1 Rab1a	0.06764956	7.593230524	0.434095423	1
uc012edi.2 Rsrc2	0.06759113	5.378334418	0.552463502	1
uc008mja.2 Vps16	0.06744914	5.702099981	0.449207276	1
uc007dif.2 Ccdc181	0.06740946	2.30714762	0.768200727	1

uc007unz.2 Polr3d	0.06739586	2.69102522	0.726006491	1
uc007dox.1 Slamf7	0.06738603	2.457438332	0.89435132	1
uc008jrn.2 Arl6ip6	0.06736484	4.696882629	0.563194267	1
uc007ofu.2 Isca2	0.06735282	5.126077702	0.519201266	1
uc009mym.2 Csnk2a2	0.06735053	5.582503024	0.470132635	1
uc007qra.3 Grk6	0.06726405	5.398217878	0.46234234	1
uc007hln.1 Rbms2	0.06725833	7.908645542	0.556762846	1
uc007yse.1 Etv5	0.06722658	2.25811438	0.808440256	1
uc012gtf.1 Gm684	0.06714156	2.039381311	0.778362734	1
uc007pes.1 Inf2	0.06704107	6.057417998	0.554402864	1
uc009ofc.2 Mre11a	0.06702201	4.373089243	0.57019406	1
uc008ufj.3 Atpaf1	0.06698976	3.067138453	0.703157269	1
uc007mfw.2 Gprc5c	0.06697644	3.341521128	0.748460443	1
uc008bph.1 Rps10	0.06695627	3.583437893	0.651673147	1
uc009ant.2 Lnx2	0.06693804	5.72011131	0.660223298	1
uc008xjj.2 Gm3414	0.0669051	3.858870034	0.661866469	1
uc008qsj.3 Csde1	0.06688324	9.416592783	0.420685451	1
uc008opl.2 Fabp4	0.06683677	10.42941685	0.466280076	1
uc009eyt.1 Ube2s	0.06679203	2.547091609	0.756790096	1
uc009rgl.1 Topbp1	0.06679146	5.201205894	0.494586493	1
uc008ygt.2 Hnrnpd	0.06678883	4.816407475	0.552471618	1
uc007nek.2 Taf1b	0.06678627	3.983337904	0.604298018	1
uc009hzi.2 Zfp710	0.06668125	3.72095042	0.675459096	1
uc007nmp.2 Scfd1	0.06666566	5.984872246	0.450406368	1
uc007ker.2 Crk	0.06664648	7.706410468	0.438861057	1
uc008efx.2 Dtna	0.06664069	2.858796155	0.772348227	1
uc007kgy.1 Git1	0.06655459	5.819400467	0.484828056	1
uc007qtv.2 Hnrnpk	0.06654853	7.819111738	0.453346675	1
uc007yzz.1 Snx4	0.06643285	5.6325129	0.498693635	1
uc007hsi.1 Drg1	0.06642148	5.803134013	0.487189091	1
uc009dha.1 Vhl	0.06641924	5.280547932	0.609228796	1
uc011wkz.1 Ankrd44	0.06634745	5.981758715	0.476991396	1
uc009mja.2 Smarca5	0.06620776	6.080016052	0.471437831	1
uc008ufm.2 Mknk1	0.06608512	5.010733359	0.487904634	1
uc009oez.1 Ankrd49	0.06604401	3.099104759	0.698267168	1
uc008eai.1 Ccnny	0.06601323	7.191067087	0.42062812	1
uc007ucd.2 Parp4	0.06600418	6.30466996	0.419436004	1
uc007wfw.1 Lynx1	0.065924	3.743178243	0.658490314	1
uc009pvx.2 Ubl7	0.06588188	4.713341696	0.564947191	1
uc008cva.1 Mrps10	0.06576271	3.690506393	0.655367066	1

uc007fvq.2 Adarb1	0.06572047	5.912213852	0.593280403	1
uc007nss.1 Atp5s	0.06563235	3.944579894	0.630839648	1
uc008nmy.1 Phf20	0.06555066	5.934661583	0.506276383	1
uc033jjq.1 Sept7	0.06549298	6.74534763	0.492237521	1
uc012aho.2 Adamts1	0.06548489	9.893642569	0.764360639	1
uc008ltw.1 Chp1	0.06541394	9.51694184	0.454037759	1
uc009afd.2 Lamtor4	0.06541216	3.710634904	0.647650917	1
uc012ead.1 Zfp951	0.06538601	1.852906433	0.787956716	1
uc009ayn.1 Tmem168	0.06536443	6.228464246	0.436061645	1
uc008fek.2 Nars	0.06534513	6.157371408	0.452595081	1
uc007uuf.3 Tdrd3	0.06532586	5.687633356	0.481756628	1
uc007slc.2 Adk	0.06531875	6.307722042	0.441888567	1
uc008xto.2 Fip1l1	0.06527457	4.86778481	0.592375575	1
uc009pgx.1 Pafah1b2	0.06515503	7.193722832	0.430540415	1
uc008joj.1 FW313050	0.06511975	4.5453424	0.546975836	1
uc007qfc.2 Smim13	0.06511158	5.293930503	0.514313392	1
uc008ijn.1 Fam188a	0.06508884	4.921474839	0.527875864	1
uc007zpx.2 Pros1	0.06506292	5.986350301	0.495968947	1
uc009chd.2 Mrpl35	0.0650555	4.354903152	0.599945205	1
uc007cqk.1 Sox13	0.0650514	3.269269703	0.704887957	1
uc007slv.1 Zfp503	0.06495885	6.413571864	0.628841367	1
uc008grj.2 Ccdc86	0.06493134	2.708104637	0.768116158	1
uc008sij.1 Ube2r2	0.0647231	6.254142395	0.423906994	1
uc007rzd.2 Paip1	0.06471256	5.595964439	0.46117009	1
uc007phb.2 Zfp386	0.06466682	4.573536629	0.640148735	1
uc007npl.2 Prps1l3	0.06464092	5.370073686	0.508587157	1
uc009hfn.2 Klf13	0.06460769	7.905354284	0.549506077	1
uc007lvy.2 Arf2	0.06449482	4.665232094	0.59725201	1
uc007ket.2 Ywhae	0.06441883	7.581281989	0.443163816	1
uc009ndj.1 Fam65a	0.06439839	5.773169285	0.476675993	1
uc008viw.3 Cdc42	0.06419126	8.207996397	0.471216327	1
uc008gfz.2 Cdc42ep2	0.06418784	3.784335866	0.703346791	1
uc009ssb.2 Maob	0.06416825	7.08659287	0.480243035	1
uc009jek.2 Dennd5a	0.0641256	7.917482622	0.469380165	1
uc007zma.1 Pcnp	0.06412542	4.743369292	0.533870183	1
uc007gnd.2 Pwp1	0.06409459	4.580317922	0.572868287	1
uc008dbd.2 Sema6b	0.06406694	4.48300262	0.658836902	1
uc008yfi.2 Mrpl1	0.06402184	4.46779428	0.593879869	1
uc007gnk.1 Fbxo7	0.06397128	4.584253082	0.566017739	1
uc008ktr.1 Ndufs3	0.0639591	5.527927302	0.510124678	1

uc008phn.2 Pfn2	0.06394749	3.150514306	0.747099146	1
uc007vbh.1 AK157947	0.0639289	2.519228454	0.774267921	1
uc007une.1 Bin3	0.06391906	3.281285633	0.697770862	1
uc007zqj.1 Chmp2b	0.06391367	5.128523449	0.500062056	1
uc009kvv.2 Arhgef7	0.06391224	6.455966727	0.455752702	1
uc009syg.2 Nkap	0.06379795	5.213942507	0.540147731	1
uc007nsu.1 Map4k5	0.06379512	5.792755164	0.536555903	1
uc007kuk.1 Supt4a	0.06373138	2.695932714	0.724415274	1
uc008vkb.2 Eif4g3	0.0636753	6.264652611	0.54022735	1
uc056ywk.1 Ktn1	0.06351204	5.043983753	0.583652098	1
uc009hin.2 Lrrc28	0.0634591	4.162461958	0.612368874	1
uc056zrp.1 Gyg	0.06345669	6.523577632	0.557990552	1
uc009cyb.1 Chchd4	0.06340694	3.739029817	0.70115764	1
uc009gvj.1 Dhdh	0.06327258	7.826494803	0.509234265	1
uc009kps.2 Tnfrsf22	0.06317163	2.025445368	0.774211854	1
uc007ogs.2 Mlh3	0.06315569	4.919928673	0.569662439	1
uc009flh.2 Rtn2	0.06304576	4.044943932	0.652565604	1
uc008zdr.1 Gatc	0.06303879	3.823558689	0.633919153	1
uc009cvr.2 MglI	0.06301361	10.53173482	0.551198236	1
uc008gdq.2 Cfl1	0.06299797	6.061761414	0.554422048	1
uc007dqw.1 Dusp23	0.06298623	3.260323504	0.697444068	1
uc007sko.2 Zswim8	0.06287417	6.94766869	0.497293891	1
uc008jiy.2 Fbxw2	0.06282639	6.363493719	0.441743454	1
uc008pqk.2 Fbxw7	0.06280953	4.621334903	0.617734132	1
uc009jlo.2 Thumpd1	0.06272099	5.25314968	0.54485341	1
uc008fer.2 Nedd4l	0.06266784	5.999515901	0.525622987	1
uc008oru.2 Pde7a	0.06261181	5.860528271	0.555617165	1
uc008hcv.2 Cdc3711	0.06259123	6.702796938	0.527484718	1
uc009cok.2 Paip2b	0.06258469	6.078294144	0.462917256	1
uc008yaf.1 Mob1b	0.06257142	6.191084333	0.478606107	1
uc009axg.2 C1galt1	0.06254489	5.076312034	0.530594576	1
uc008ovl.2 Phc3	0.06253859	7.671512014	0.466400827	1
uc007fom.1 Tfam	0.0625191	4.9647546	0.54301093	1
uc008jnj.1 Psmb7	0.06248546	5.77901764	0.488140662	1
uc007nhl.2 Cbl1	0.06241408	4.075128549	0.664539635	1
uc007oia.2 Irf2bpl	0.06240185	6.351624206	0.745501723	1
uc007hlj.1 Baz2a	0.06237517	7.252146466	0.517920664	1
uc008xgk.1 Tmem128	0.06236562	3.673674525	0.67323289	1
uc007ibw.2 Plek	0.06233187	5.285561308	0.856690898	1
uc007iji.2 Nprl3	0.06222233	5.356806364	0.520700673	1

uc008ohx.1 4921531C22Rik	0.06222016	2.594355745	0.746639927	1
uc057aok.1 AK159934	0.06214992	3.690576644	0.789319208	1
uc008qtw.1 Rsbn1	0.06203672	6.151063658	0.49848821	1
uc008xpt.2 Slc30a9	0.06203184	6.586876467	0.448076251	1
uc008upv.1 Akirin1	0.06201422	5.822257968	0.499363294	1
uc008oyx.2 Dcun1d1	0.06200642	5.014981717	0.565515053	1
uc008hmm.2 Exosc1	0.06200527	2.850396532	0.729767016	1
uc008uaj.2 Magoh	0.0619397	3.153142519	0.705982106	1
uc008baf.2 Tsr3	0.06189821	2.487037469	0.752081502	1
uc008ffn.2 Lman1	0.06189386	6.719254475	0.436075273	1
uc007ust.1 Rgcc	0.06178259	8.209324909	0.505569212	1
uc012cbn.1 Chst14	0.06159972	3.60409149	0.670254192	1
uc008cdy.2 Cfb	0.06140849	8.805024493	0.553274803	1
uc008joi.1 Ppp6c	0.06132805	5.92071139	0.482903765	1
uc007czh.1 Rgl1	0.06131329	6.707698529	0.604947225	1
uc009hbp.2 Htati2	0.06128244	4.109095113	0.746015131	1
uc009jed.1 Tmem9b	0.06125853	4.795256799	0.584113371	1
uc009lsr.1 Fbxo8	0.061238	5.519167133	0.529243993	1
uc008pbk.1 Hspa4l	0.06121271	5.024173777	0.583370844	1
uc008gxv.1 Carnmt1	0.06107323	2.40522325	0.748033775	1
uc008jeq.1 Pomt1	0.06107313	5.890259852	0.535643082	1
uc007kvh.2 Cuedc1	0.06107125	5.367677206	0.520497575	1
uc007wkn.1 Dgat1	0.06106898	8.86201481	0.526387228	1
uc008owg.2 Zfp639	0.06094914	4.764181772	0.578908742	1
uc007cbs.1 Gpc1	0.06080813	5.361774546	0.659119518	1
uc008pma.1 Smc4	0.06078073	4.553017561	0.59050812	1
uc008mtx.1 Zfp120	0.06065138	4.56788071	0.69814258	1
uc009cpn.1 Rab11fip5	0.06064146	4.969441596	0.670189545	1
uc009ugg.1 Gla	0.06054401	3.724647432	0.802544824	1
uc007fvt.2 Fam207a	0.06054111	3.642452642	0.657410748	1
uc007gvq.1 Ndufa12	0.06052602	3.843465654	0.666386825	1
uc007nxk.2 Sgpp1	0.06050069	5.757057596	0.548279051	1
uc007bna.2 Cyp27a1	0.06044696	3.735937522	0.715527009	1
uc011wlp.1 Als2	0.06044108	5.68894095	0.514451896	1
uc012dnf.1 Id3	0.06034417	8.098583861	0.768236143	1
uc007voc.2 Dcaf13	0.06032893	4.372412797	0.609565758	1
uc008ztn.1 Chchd2	0.06018037	6.475469049	0.568089165	1
uc008ozm.1 Exosc9	0.06013767	4.121914506	0.651843763	1
uc012axb.1 Memo1	0.06011269	5.351164271	0.601537987	1
uc008uor.1 Trit1	0.06010007	5.959047742	0.745596892	1

uc008eyj.1 Gramd3	0.06000023	3.96615138	0.698352784	1
uc007diz.2 Tiprl	0.05998954	4.592806315	0.625828142	1
uc007ubd.1 Sdr39u1	0.05997614	4.289613974	0.619320064	1
uc008fcc.1 Csnk1a1	0.0599636	8.214165043	0.473286903	1
uc008osl.2 Hltf	0.05995679	5.178920152	0.552639077	1
uc008pnm.2 Rapgef2	0.0598747	6.439582916	0.602560784	1
uc008hhw.1 Btaf1	0.05987121	7.187907617	0.592344762	1
uc007pkj.2 Wdr37	0.05983141	5.414864818	0.551306533	1
uc008jef.1 Lamc3	0.05983009	2.915645434	0.843936895	1
uc008asz.1 Pkmyt1	0.05978685	5.690892537	0.545279073	1
uc009ttc.1 Eif2s3x	0.05977654	5.146780903	0.545629454	1
uc008pja.2 Sucnr1	0.05966564	6.294663461	0.602413993	1
uc007mxw.2 Itsn2	0.05965952	6.88312567	0.475027898	1
uc007vzg.2 Fam49b	0.05964167	5.259061156	0.571746463	1
uc007xzb.1 Cluap1	0.05960739	3.236393622	0.720029291	1
uc008ufg.1 Efcab14	0.05958835	6.743436499	0.476126639	1
uc008vbn.2 Ptafr	0.05954476	4.139395945	0.882257224	1
uc007wax.1 Ndrgr1	0.05954334	6.964975003	0.671775956	1
uc008egt.1 2700062C07Rik	0.05954249	2.507314452	0.751160011	1
uc008sic.2 Nfx1	0.05952388	6.388292548	0.520855718	1
uc007xqs.1 Atf1	0.05952221	4.99591731	0.557964889	1
uc007gao.2 Kiss1r	0.0595111	2.20518199	0.811751101	1
uc008mpp.2 Ndufaf5	0.05947496	2.59351774	0.754665932	1
uc009nic.2 Lncbate1	0.05939452	3.364326102	0.778045552	1
uc008exa.1 Prr16	0.05937911	5.504481056	0.520456693	1
uc007fkd.2 Herc4	0.05937233	6.390169855	0.504054967	1
uc007xvh.1 Pfdn5	0.059363	4.355217303	0.642764669	1
uc007sxn.1 Capn7	0.05935641	6.553468149	0.468200385	1
uc009mpy.1 Gpt2	0.05933109	8.998579732	0.536849871	1
uc007ywl.1 Hes1	0.05928999	2.980964479	0.790392184	1
uc008ibv.2 Cacul1	0.05928403	6.405415085	0.468861384	1
uc007roo.2 Ankra2	0.05924937	3.487163614	0.71250873	1
uc012hot.1 Arxes1	0.05921198	4.843984259	0.633982296	1
uc009lti.2 2700029M09Rik	0.05920703	2.476087914	0.749287737	1
uc008scu.3 Ccnc	0.05917536	5.219673845	0.594392349	1
uc009cyv.1 Rbsn	0.05893331	5.765387709	0.511142065	1
uc008yqf.2 Ankle2	0.05890333	6.396486513	0.465619293	1
uc012cix.2 Pabpc1l	0.05888786	3.212974845	0.836083891	1
uc008uyd.2 Khdrbs1	0.05877756	6.080968073	0.523176634	1
uc007kdj.2 Rpa1	0.05874901	5.292105055	0.574889153	1

uc008dup.2 Socs5	0.05872116	5.188379529	0.559337527	1
uc007pdw.1 Klc1	0.05871296	5.006072908	0.584340335	1
uc007laj.1 Spop	0.05867315	7.03846519	0.537942265	1
uc009sdo.1 Deb1	0.0585569	3.119729451	0.73481873	1
uc008quq.2 Capza1	0.05849865	4.488885344	0.63185564	1
uc007idw.1 Wdpcp	0.05843586	4.550911261	0.616507847	1
uc008etr.2 Rbm27	0.05841078	5.896430379	0.548484777	1
uc029scw.1 Smn1	0.05835384	2.446802188	0.790180194	1
uc007ntu.1 Tmx1	0.05827125	5.747149847	0.584779568	1
uc009ccn.2 Lancl2	0.05820826	4.841797678	0.610220984	1
uc009tcb.1 Utp14a	0.05820591	3.329471354	0.733077325	1
uc057aza.1 AK085157	0.05819025	2.473908569	0.765517937	1
uc008zpz.1 Rilpl1	0.05814326	2.552803408	0.767547779	1
uc008svx.2 Ctnnal1	0.05805105	4.22856566	0.688044081	1
uc008evk.1 Pggt1b	0.05803346	5.126802936	0.56811153	1
uc007lap.1 Phospho1	0.05791185	5.969589862	0.512862927	1
uc007ktl.1 AK040752	0.0578446	2.688116165	0.77379079	1
uc029wcl.1 Recql	0.05777039	3.458367145	0.712049253	1
uc009fwh.1 Sertad1	0.05774276	5.132768466	0.737994276	1
uc008uqx.1 Sf3a3	0.05765654	3.693853909	0.708426035	1
uc007eil.2 Ginm1	0.05763571	8.088763938	0.536635436	1
uc008mnr.2 Bmp2	0.05762321	3.354563499	0.737213678	1
uc009ini.2 Rab6a	0.05759698	6.65463802	0.500810708	1
uc008vcp.1 Tmem222	0.05756843	5.261088161	0.579783085	1
uc007pmu.1 Ggps1	0.05755605	5.805082208	0.511031903	1
uc008jst.1 Acvr1	0.05751939	6.093515704	0.699715017	1
uc008seq.2 Map3k7	0.05751896	6.660121194	0.486002457	1
uc009ipt.1 Anapc15	0.05742194	2.3492432	0.767867137	1
uc008son.1 Dnajb5	0.05741766	3.7178096	0.694720203	1
uc008zhh.2 Plbd2	0.05741447	6.783603448	0.502895398	1
uc009sxi.1 Dock11	0.05740894	8.384819222	0.582684751	1
uc007shp.2 Nr1d2	0.05739521	8.290498737	0.558480975	1
uc007ksv.1 Vmp1	0.05737211	8.133312606	0.693305112	1
uc007fos.1 Ipmk	0.05733065	4.913319207	0.595133248	1
uc007ica.1 Ppp3r1	0.05728452	7.24810234	0.523650669	1
uc009cbl.2 Avl9	0.05727289	6.351454324	0.512374455	1
uc009nhz.2 Psmc7	0.05708746	5.480848209	0.564516506	1
uc008xtg.1 Usp46	0.0570609	5.802191635	0.563913404	1
uc012bhw.1 Atl3	0.05705731	9.471223269	0.537691333	1
uc007usy.1 Kbtbd7	0.05705553	4.217439273	0.7018982	1

uc009dlm.1 Ret	0.05698776	3.472212635	0.781491483	1
uc008sbn.1 Nbn	0.05693413	4.652924387	0.61178424	1
uc008lwo.2 Haus2	0.05691635	5.362073439	0.55512989	1
uc007eip.2 Ppil4	0.0568956	4.988330814	0.58637953	1
uc007nzi.1 Atp6v1d	0.05689216	5.261366179	0.589084419	1
uc008jgh.2 Ak1	0.05683729	2.232690446	0.783408384	1
uc009hxu.2 Isg20	0.05681607	3.881543312	0.694364661	1
uc007avz.2 Tex30	0.05672165	2.63398986	0.765412347	1
uc007ekp.1 Ltv1	0.05670242	3.748004337	0.687079428	1
uc009jic.1 Pde3b	0.05667468	10.66001997	0.53194913	1
uc009syc.2 Rpl39	0.05665703	2.846493487	0.777069363	1
uc008ruu.1 Fpgt	0.05657598	5.073911961	0.618879092	1
uc008njq.1 Chmp4b	0.05655882	5.862487285	0.573624831	1
uc007taw.1 Bmpr1a	0.05655204	8.00607053	0.522033594	1
uc012cet.1 1110034G24Rik	0.05643998	2.186783226	0.806994628	1
uc009kem.2 Mki67	0.05641192	2.043097317	0.918784522	1
uc009pct.1 C2cd2l	0.05637622	6.278404431	0.73004735	1
uc011zzg.2 Asic1	0.0563737	1.900089321	0.823092549	1
uc009cmr.1 Ino80b	0.05635083	2.349438916	0.787707687	1
uc008phk.3 Rnf13	0.05632758	7.421505001	0.55823762	1
uc008vgg.2 Srrm1	0.05625845	6.572289979	0.562298488	1
uc007sgi.2 Atxn7	0.05624303	6.252800677	0.534453768	1
uc007pwi.1 BC005537	0.05618663	7.354300279	0.54109452	1
uc008qrs.3 Vangl1	0.05617625	4.30761288	0.643454603	1
uc007vaa.1 Farp1	0.0561553	5.213377114	0.602093389	1
uc009daz.2 Mitf	0.05614522	5.35060183	0.804012946	1
uc007ifj.1 Pex13	0.0560523	7.881670986	0.561366821	1
uc007mxk.2 Adcy3	0.05605205	6.582219166	0.661281309	1
uc009jln.1 Rps15a	0.05593624	3.604396288	0.712175572	1
uc009abn.2 Serpine1	0.05592243	9.957515766	0.795684748	1
uc009akh.2 Kdelr2	0.05589595	6.353557406	0.51205203	1
uc008hvk.1 Sfr1	0.05583464	5.260317064	0.605727024	1
uc008xtb.1 Sgcb	0.0558304	5.94943165	0.531861963	1
uc009qqm.3 Ccpg1	0.05578873	3.716828838	0.704947625	1
uc029ryw.1 Gm10336	0.05576317	4.488394769	0.666981711	1
uc007fdo.2 P4ha1	0.05571852	5.410832275	0.599063005	1
uc008ops.1 Zfand1	0.05571026	2.717248349	0.765722604	1
uc009jgo.2 Mical2	0.05564511	5.06112102	0.724480634	1
uc007cex.2 Fam174a	0.05563541	4.426642208	0.631952734	1
uc007svq.2 Sfmbt1	0.05563385	6.074217919	0.507767848	1

uc007dgr.1 Prcc2c	0.05562044	7.851327122	0.59913172	1
uc008poy.1 Map9	0.05558271	4.928683169	0.651628476	1
uc008idn.1 Fam171a1	0.05550166	4.783295604	0.673120243	1
uc008tjj.2 Kdm4c	0.05546389	5.333293428	0.607306805	1
uc007los.1 Aarsd1	0.05542627	3.658908173	0.697299352	1
uc009bme.2 Braf	0.05532803	7.319981977	0.520463652	1
uc007jtw.1 Clec10a	0.0553235	3.178693764	0.876093992	1
uc008gki.1 Otub1	0.05532098	5.150161738	0.592193067	1
uc007rla.1 Papd4	0.05531342	4.242808801	0.663894456	1
uc009mgy.2 Hmgxb4	0.05521569	4.096857629	0.679153479	1
uc007jqa.1 Naa38	0.05515963	4.061904018	0.680787395	1
uc007bku.1 Igfbp5	0.05515034	7.81232726	0.720974723	1
uc007dut.1 Adss	0.05514948	5.390688558	0.588719388	1
uc007hme.2 Pan2	0.05511414	5.053875556	0.597331752	1
uc056yov.1 Tlk2	0.0551072	5.835198275	0.539016846	1
uc009uvt.3 Mospd2	0.05495644	5.794496007	0.547984588	1
uc009dgb.2 Cidec	0.05495541	11.09048601	0.582565964	1
uc008phs.2 Serp1	0.05495115	7.79372444	0.551805175	1
uc008hot.2 Cox15	0.05491839	5.879181271	0.577714368	1
uc009cye.1 Lsm3	0.05489048	3.812665616	0.709322284	1
uc009sfn.2 Tmem42	0.05488632	2.872854696	0.757641402	1
uc007ycs.1 Pmm2	0.05484452	5.16610434	0.573245948	1
uc008ilu.2 Dnajc1	0.05484429	4.060002117	0.66504665	1
uc009ftu.1 Hnrnpul1	0.05484298	6.476510307	0.528220896	1
uc009sqy.2 1810030007Rik	0.05482692	5.192782736	0.571191983	1
uc008bth.2 Cmtr1	0.05470848	6.623671964	0.485911882	1
uc007pkz.2 Zmynd11	0.05466908	6.53553838	0.511794055	1
uc008spn.2 Rusc2	0.05459903	6.428619043	0.763482799	1
uc009fbb.1 Zfp667	0.05457757	2.573996084	0.780546071	1
uc008ofb.1 AK085136	0.0545507	3.707702603	0.726611751	1
uc007ags.3 Vcpip1	0.05455057	7.205799215	0.507580733	1
uc008wkw.1 Tmem243	0.05453885	4.152112574	0.729294826	1
uc008zew.1 Prkab1	0.05451537	3.921050666	0.681678137	1
uc007nzk.1 Eif2s1	0.05451274	5.380643707	0.594549703	1
uc007qzv.1 Gm10767	0.0544899	4.639368388	0.644075409	1
uc012dtq.1 Insig1	0.05447733	8.284578281	0.699257172	1
uc007uqd.2 Esd	0.05445337	4.888008009	0.62393264	1
uc012aav.1 4930562C15Rik	0.05440674	3.180391942	0.804642842	1
uc009hrd.2 Chd2	0.05437296	6.380384768	0.56331988	1
uc007odq.1 Psen1	0.05435496	6.331074445	0.552920473	1

uc009bmc.1 Ndufb2	0.05434099	4.259253202	0.67602649	1
uc012esh.1 Foxj2	0.05432832	5.558962043	0.560106052	1
uc012hnb.1 Gpc4	0.05423945	6.808843385	0.61143189	1
uc007ojf.1 Snw1	0.05409991	5.733720652	0.587640643	1
uc007uan.2 Dhrs1	0.05399085	5.098413268	0.619169873	1
uc007bcs.1 Casp8	0.05398737	5.495165661	0.67310912	1
uc009geb.1 Alkbh6	0.05397004	3.807707378	0.703612373	1
uc008agj.2 Tmem181a	0.05393575	3.752234173	0.699258562	1
uc007eyk.2 AB335951	0.05385538	5.871192199	0.664777777	1
uc008kuf.2 Psmc3	0.05379662	5.777764858	0.564119349	1
uc009cmo.1 Wbp1	0.05378179	4.996569494	0.613099329	1
uc008srq.2 Rnf38	0.05377261	6.436238712	0.579405732	1
uc007oas.2 Exd2	0.0537444	4.659703477	0.666290392	1
uc008afa.1 Tmem242	0.05361865	4.834212545	0.628814497	1
uc008siz.2 Fam219a	0.05357201	3.783730472	0.715630099	1
uc009nmx.1 Cfdp1	0.05356484	3.242479906	0.755379744	1
uc009pfn.1 Ii10ra	0.05349684	2.510969422	0.901633394	1
uc007kfz.1 Gosr1	0.05341592	6.424899238	0.533333079	1
uc009mqa.1 Dnaja2	0.0533325	7.141501219	0.568449082	1
uc009psb.2 Ube2q2	0.05331033	6.485490483	0.562123085	1
uc007oup.1 Ubr7	0.05329348	5.81864362	0.609062824	1
uc011yfw.1 Eftud2	0.0532515	5.91663086	0.523820311	1
uc009kae.1 Tacc2	0.05323967	5.618398339	0.676720487	1
uc008iai.2 Atrnl1	0.05320698	7.826212012	0.530183696	1
uc012hou.1 Tceal8	0.05313342	4.098324433	0.680804315	1
uc008jdx.3 Fubp3	0.05302224	5.086200675	0.632400796	1
uc009ihl.2 Crebzf	0.0530004	6.356861823	0.604919679	1
uc007bep.2 Abi2	0.05299774	5.370240097	0.635392879	1
uc008hfo.1 Atad1	0.0529927	6.886147881	0.548381302	1
uc009cuh.1 Hmces	0.05299253	3.524544329	0.735238198	1
uc008kvh.2 Ddb2	0.05299076	6.580489084	0.517941665	1
uc008prc.2 Rps3a1	0.05292922	4.870616287	0.639217886	1
uc009mfn.1 Fam32a	0.05290044	5.340188802	0.614777007	1
uc008rpw.2 Sh3glb1	0.05288569	8.920014652	0.584160931	1
uc009nhv.1 Wwp2	0.05284757	5.119730366	0.593039995	1
uc012dmm.1 Nudc	0.05282985	2.985151114	0.768807392	1
uc007zqu.2 Gbe1	0.05277315	7.240016956	0.631823581	1
uc009lmr.2 Cnot7	0.05275431	5.627286866	0.549947357	1
uc007jhf.2 Aldh3a2	0.05272902	5.787823408	0.564991904	1
uc008ubw.1 Nrd1	0.05272048	8.469384514	0.517712517	1

uc009hef.2 Atp10a	0.05268554	4.651052997	0.718712069	1
uc009bta.1 Cul1	0.05262202	7.168526217	0.523852811	1
uc007osq.2 Calm1	0.05260638	8.418719562	0.557237721	1
uc008bab.2 Gnptg	0.05260552	4.338895245	0.647292225	1
uc008icw.1 Mia3	0.0525837	7.061923472	0.542506122	1
uc009suw.2 Wdr44	0.05256626	4.218081802	0.684991917	1
uc009gln.2 AI987944	0.05250666	3.087053334	0.768300677	1
uc009cyj.1 Ccdc174	0.05241681	3.716048427	0.791654941	1
uc007rfq.2 Cast	0.05232107	7.673144376	0.550168833	1
uc007zyc.1 Donson	0.05221227	2.968571758	0.776433745	1
uc009qvg.2 Myo6	0.05218431	6.696672361	0.522009889	1
uc009mif.2 Lsm6	0.05217106	2.72957793	0.796588332	1
uc008xfx.2 Stx18	0.05206571	4.880287871	0.62263679	1
uc009exq.1 Ppp1r12c	0.05199988	6.094126361	0.583085121	1
uc008lgn.1 Alkbh3	0.05191861	4.267013719	0.66051252	1
uc012doh.1 Prdm2	0.05191664	6.895601588	0.57279416	1
uc009cbm.2 Kbtbd2	0.05185213	6.084818565	0.563364902	1
uc008vhe.2 Srsf10	0.05184361	5.650348033	0.626112499	1
uc009cuc.2 Cnbp	0.05160902	8.064787267	0.538638218	1
uc008sby.1 Cpne3	0.05160185	8.003282064	0.536988302	1
uc008ari.1 Zfp820	0.05158679	2.094139911	0.829328476	1
uc009nsb.2 Klhdc4	0.05153096	3.201870428	0.74339788	1
uc009mkm.2 Tecr	0.0515288	6.050968238	0.647575236	1
uc008pei.2 Foxo1	0.0515155	8.526051549	0.713340978	1
uc011yyk.1 Ssr1	0.05151045	7.394754424	0.549670922	1
uc007jze.1 Ube2g1	0.0513734	6.125264709	0.531222574	1
uc008gjt.2 Fkbp2	0.05137073	2.470634432	0.80345871	1
uc012bnk.1 Shoc2	0.05134877	6.358003587	0.529624546	1
uc012dcv.1 Fancg	0.05128975	3.036541168	0.757052059	1
uc008ryf.2 Asph	0.051272	9.521586675	0.641349366	1
uc007udq.1 Mrpl57	0.05124619	3.873585846	0.722405944	1
uc007bwr.2 Gigyf2	0.05116122	6.291152366	0.56946849	1
uc033ilv.2 Tctn1	0.05102644	4.94098022	0.621778169	1
uc009fvm.1 Adck4	0.05101849	5.807037446	0.666122007	1
uc008izo.2 Ntng2	0.05100286	5.326307502	0.694755446	1
uc008xsn.1 Fryl	0.05099229	7.329535299	0.578515377	1
uc007dvw.2 Cdc42bpa	0.05099099	6.782610363	0.585697965	1
uc009sbn.1 Wdr48	0.05098322	6.614210432	0.526565838	1
uc009qcr.1 Dpp8	0.05098315	7.590204099	0.55220601	1
uc012fsk.1 Rras2	0.05095544	4.870123872	0.658253842	1

uc007yzp.2 Fytttd1	0.05092643	6.640719661	0.585338155	1
uc007yjr.1 Mapk1	0.05089383	7.725819329	0.536453583	1
uc009uue.2 Reps2	0.05088313	3.290676108	0.839767407	1
uc008ixs.1 Rxra	0.05086949	9.052407637	0.562633002	1
uc009uou.2 Gnl3l	0.05077753	5.74818021	0.562903843	1
uc008ynt.1 Dr1	0.05077732	6.341002022	0.565189357	1
uc007naj.2 Wdr35	0.05073534	4.780252999	0.660939827	1
uc009orm.1 Aplp2	0.05070718	10.5905063	0.559707783	1
uc007oxp.2 Clmn	0.05068526	8.155296606	0.728746197	1
uc007rlt.1 Scamp1	0.05066147	6.333548675	0.537472989	1
uc007kld.2 Crlf3	0.05065943	3.397666792	0.78796266	1
uc007ntv.1 Frmd6	0.05058611	2.449898286	0.838829719	1
uc007iyj.1 Hint1	0.05051573	4.706670638	0.65660445	1
uc007vho.1 Golp3	0.0505024	7.065799911	0.530573242	1
uc007vmz.2 Ywhaz	0.0505004	6.522243968	0.560126262	1
uc008rxc.2 Impad1	0.05049769	7.541510197	0.555992955	1
uc009syi.1 Ndufa1	0.05048173	4.122007622	0.722711746	1
uc012bsf.1 AK082064	0.05046369	1.772328502	0.84868888	1
uc007idj.2 Lgalsl	0.05046256	5.632344769	0.684708824	1
uc007mui.1 Dcxr	0.0504571	4.753588386	0.694460548	1
uc007cbq.2 Myeov2	0.05041425	3.590137112	0.760679253	1
uc008rrv.2 Prkacb	0.05032756	7.043965113	0.577661144	1
uc012czn.1 Pigk	0.05029024	6.19338995	0.560154938	1
uc008khy.1 Zc3h15	0.05027316	4.981568454	0.63447365	1
uc007usi.2 Akap11	0.05026723	7.414600122	0.570723735	1
uc009ety.2 Mettl20	0.05021742	4.849085149	0.734128737	1
uc007jtg.2 Gabarap	0.05014229	7.113288523	0.561874373	1
uc007nkg.1 Agmo	0.05008585	6.987204517	0.613488151	1
uc008xph.1 Limch1	0.05003845	3.842883641	0.829594776	1
uc007sru.2 Anxa11	0.05002156	4.670741402	0.675338225	1
uc012dwg.2 Rbpj	0.05000182	4.970749915	0.719394001	1
uc007khd.2 Nufip2	0.04996409	7.931732012	0.591105678	1
uc007klk.1 Adap2	0.04995688	4.399165125	0.851053075	1
uc008api.1 DQ685776	0.04989563	8.413534299	0.663570299	1
uc009scn.1 Myrip	0.04988795	4.246438791	0.847604899	1
uc007lft.2 Cdk12	0.049877	6.989181662	0.579119425	1
uc007dtr.2 Chml	0.04985219	6.822021301	0.657198857	1
uc007gzc.1 Ppp1r12a	0.04980438	5.913524761	0.617518648	1
uc056yeq.1 Prdx6	0.04978621	8.430981497	0.644595731	1
uc007has.1 Atxn7l3b	0.04978296	6.796414842	0.58931939	1

uc007bgr.1 Creb1	0.04978197	6.399279098	0.645294237	1
uc007yeq.3 Snn	0.04977114	5.637731017	0.659574141	1
uc007ghr.1 AK201601	0.04974123	1.990575709	0.850681948	1
uc008pdy.1 Ndufc1	0.04971554	4.551973599	0.672522565	1
uc057ayi.1 AK136606	0.04970945	2.141397655	0.848105463	1
uc008jcz.1 Ptges	0.04967469	6.365077148	0.790951185	1
uc007amb.1 Ogfrl1	0.04964316	4.659303314	0.708822792	1
uc009iem.1 Zfand6	0.04962397	7.13981204	0.59660695	1
uc007vlq.2 Rpl30	0.04960237	3.226501835	0.763326681	1
uc008rhy.1 Enpep	0.04959811	6.330995851	0.72851507	1
uc009pxo.1 Adpgk	0.04959391	5.039387633	0.634387885	1
uc007hye.1 Tmed4	0.04954864	5.770773248	0.570920515	1
uc008hls.1 Tm9sf3	0.04954801	8.659961307	0.56636424	1
uc008jet.3 Swi5	0.04954567	4.925139723	0.663406153	1
uc007ojd.2 Slirp	0.04952219	3.109401811	0.755575559	1
uc007fef.1 Anapc16	0.04942308	4.958871372	0.646660745	1
uc008emg.2 Matr3	0.04940753	7.696587741	0.591931502	1
uc008ypa.2 Fgfrl1	0.04936279	8.845292965	0.548990071	1
uc007tzi.1 Rnf31	0.0493444	5.416404858	0.621612585	1
uc008men.1 Ap4e1	0.0493153	4.988524488	0.632068166	1
uc012fmt.2 Asb7	0.04927385	4.900405653	0.624638723	1
uc009jma.1 Lyrm1	0.0491852	2.865082134	0.813295623	1
uc008fzb.1 Rps6kb2	0.0490966	4.125786448	0.684594514	1
uc008vuh.3 Fbxo44	0.04905786	3.050369457	0.776360288	1
uc009ksj.3 AK019114	0.04888755	3.71480413	0.765144759	1
uc008sry.2 Zcchc7	0.04888324	5.471676268	0.661083279	1
uc007xjl.1 Twf1	0.04887012	6.930777016	0.598582559	1
uc007ocf.2 Synj2bp-cox16	0.04882316	4.726940809	0.677488648	1
uc007mdb.2 Abca8b	0.04878563	3.295382809	0.814939233	1
uc007dgl.1 Vamp4	0.04878069	4.179127125	0.719756661	1
uc009lvb.3 Tmem192	0.04873129	3.85276421	0.753505376	1
uc007ppa.2 Stard3nl	0.0486823	4.586468917	0.682805041	1
uc011xth.1 Pttg1	0.04866862	3.692362279	0.722296556	1
uc012bfw.2 Ppp6r3	0.04864903	7.829367862	0.579879993	1
uc008utc.1 Trappc3	0.04858065	5.388265187	0.624836846	1
uc008gxo.2 Rfk	0.04842966	6.359580783	0.573626106	1
uc009but.1 Rarres2	0.04839441	7.461598893	0.615786951	1
uc009mpv.2 4921524J17Rik	0.04837847	2.377470548	0.841074495	1
uc007qgc.1 Nol7	0.04837437	3.685714298	0.736353913	1
uc007npz.3 Trappc6b	0.0483342	5.930619825	0.565923051	1

uc012giy.1 Dync1li2	0.0483084	6.695409749	0.583537373	1
uc008bpp.2 D17Wsu92e	0.04825739	7.582618441	0.576279092	1
uc009lmy.1 Vps37a	0.04813078	6.146320439	0.577686582	1
uc008yfd.2 Cnot6l	0.048101	6.790285092	0.604095101	1
uc008ely.1 Ctnna1	0.04806244	7.74682714	0.584073168	1
uc008wfm.1 B3galt6	0.0479396	3.309511883	0.776468423	1
uc009cab.2 Plekha8	0.0478916	4.292379554	0.687045552	1
uc009aye.2 Phf14	0.04787216	4.861735585	0.6606969	1
uc007xzl.1 Crebbp	0.04785329	7.47429271	0.618499773	1
uc007fce.2 Gja1	0.04782936	5.501482935	0.689261276	1
uc008yfr.1 Paqr3	0.04780032	3.174601906	0.775014804	1
uc008vbb.1 Trnau1ap	0.04772319	3.595798638	0.740532551	1
uc056zye.1 Arhgef10l	0.04771662	2.413756132	0.91322928	1
uc008jgm.2 Fpgs	0.04770207	2.868287126	0.815659131	1
uc008ayo.2 Nubp2	0.04760391	4.464498029	0.711088042	1
uc008evr.2 Tmed7	0.04759241	7.67057917	0.60627937	1
uc008tkj.2 Zdhhc21	0.04758717	5.980128194	0.649899047	1
uc007asm.1 Txndc9	0.04758568	4.501433389	0.675296625	1
uc008lkl.1 Eif3m	0.04748754	5.398937606	0.646392896	1
uc009fyt.2 Med29	0.04748607	3.043622028	0.765845979	1
uc007juv.1 Med11	0.04746908	2.42512628	0.82006443	1
uc007qbj.1 Pxdc1	0.0474643	5.669574679	0.850309656	1
uc007nmv.2 Ap4s1	0.0474283	3.69497322	0.736082589	1
uc007kft.2 Abr	0.04733337	3.83773692	0.874958272	1
uc008msr.1 Xrn2	0.04732052	6.142516417	0.562621718	1
uc007ekz.1 Pex3	0.04731642	5.983463844	0.667691727	1
uc008ace.2 Ets2	0.04730174	6.031122485	0.695613783	1
uc008hpg.2 Chuk	0.047246	6.521739383	0.583676633	1
uc029skq.1 Fam124a	0.04713579	3.318591631	0.865251319	1
uc008gyn.1 Aldh1a7	0.04713383	7.381060522	0.703726963	1
uc008dzf.2 Kif5b	0.04695426	7.726604646	0.573601918	1
uc008qpb.1 Prkab2	0.04694963	5.33400299	0.76894962	1
uc008sin.1 Ubap1	0.04690253	6.773457769	0.58122534	1
uc009lmm.2 Micu3	0.04689289	4.444441374	0.708930914	1
uc007krh.1 Usp32	0.04688226	6.86804638	0.578403848	1
uc009nqz.2 Gse1	0.04676848	5.179989373	0.68645193	1
uc008juu.2 Rbms1	0.04671008	6.08672158	0.661873546	1
uc007zcb.1 Kpna1	0.04668196	6.704962411	0.572142255	1
uc007cen.1 Ing5	0.04667717	5.165480866	0.643188064	1
uc008qlm.1 Ciart	0.04667381	3.111240197	0.79471395	1

uc009mbs.1 Arrdc2	0.04663689	3.785140561	0.802729262	1
uc007rjr.1 Atg10	0.04662088	3.978260166	0.717817614	1
uc007j pz.1 Cyb5d1	0.04661856	2.413688893	0.806862047	1
uc007fxi.1 Icosl	0.04654988	2.475530227	0.842777406	1
uc007gko.1 Nuak1	0.0464172	4.287600243	0.730219061	1
uc009feu.2 Zfp446	0.04637808	3.104707948	0.777122845	1
uc007upp.2 Rb1	0.0463566	7.56193792	0.602866586	1
uc009rhf.2 Uba5	0.04629431	5.271933996	0.640004475	1
uc007jqm.2 Trp53	0.04628096	3.463219189	0.793521815	1
uc007qha.2 Gmpr	0.04626058	2.440771187	0.876831348	1
uc007vzk.2 Asap1	0.04621609	6.190387938	0.608453345	1
uc007vbl.1 Tmtc4	0.04619252	4.637005658	0.742394116	1
uc009fgy.2 Kptn	0.04612058	3.903934256	0.756650792	1
uc008fay.2 Rps14	0.04603905	6.04984057	0.639711909	1
uc009eoj.2 Aebp2	0.04603432	6.462004358	0.628047671	1
uc008pfa.2 Ufm1	0.04602437	5.503291226	0.635850615	1
uc009cgn.1 Krccl	0.04599014	6.201639398	0.636836261	1
uc009nmy.1 Tmem170	0.04592641	3.177284131	0.782812338	1
uc009ijy.2 Myo7a	0.04581134	4.334904916	0.730762934	1
uc007wlo.1 Ppp1r16a	0.04579369	5.457974354	0.649983882	1
uc008goi.1 Eef1g	0.04578347	4.603134321	0.70256867	1
uc007sla.2 Ap3m1	0.04578103	5.645184426	0.669652054	1
uc008ipw.2 Pnpla7	0.04577753	5.879460045	0.674361912	1
uc009ibo.1 Sec11a	0.04577242	4.460573735	0.707846667	1
uc009aji.1 Fbxl18	0.04573223	4.770018011	0.710259817	1
uc009nct.2 Fhod1	0.04571777	4.413743996	0.708084265	1
uc008uqm.1 Rragc	0.04569416	7.44208177	0.611818743	1
uc009kvm.2 Ing1	0.04567617	3.869831595	0.737545344	1
uc009rko.1 Rad54l2	0.0456643	6.28602176	0.599950211	1
uc007avf.1 Tgfbrap1	0.04566155	6.56956031	0.583618135	1
uc007zkg.1 Cd47	0.04564857	7.065142711	0.663587342	1
uc008jdd.2 BC005624	0.04564173	2.712367462	0.813754409	1
uc007ivo.1 9530068E07Rik	0.04563359	6.89411932	0.600627184	1
uc007cku.1 Tmem163	0.04561666	5.255392995	0.665493815	1
uc008aol.1 Psmbl	0.0455694	6.133532229	0.588369235	1
uc009ijd.2 Ndufc2	0.04555734	4.975542945	0.669440894	1
uc008vvz.2 Kif1b	0.04555719	9.841497203	0.601135334	1
uc008oak.1 Ptpnl	0.04548505	6.132320196	0.773476307	1
uc007irf.2 Mapk9	0.04548166	6.84488245	0.598808447	1
uc007quw.1 Golml	0.04547486	3.115092118	0.802057873	1

uc009djs.2 Fam21	0.04537713	6.323426011	0.571298627	1
uc008pcr.1 D3ErtD751e	0.04535626	5.2153987	0.659388904	1
uc009uet.2 Diaph2	0.04535396	6.809980117	0.613508682	1
uc008lzy.2 Ctdspl2	0.04534992	5.774488663	0.660515628	1
uc009igq.2 Picalm	0.04527509	9.894193411	0.681483237	1
uc008igs.3 Celf2	0.04523028	8.898644913	0.630454954	1
uc007xrt.1 Dazap2	0.04522258	6.876589513	0.602311361	1
uc007idr.4 Ugp2	0.04522144	7.680689567	0.662059314	1
uc009utb.2 Map3k15	0.04521158	8.924623385	0.66314126	1
uc012fxz.1 Ppfia1	0.04515888	6.141698832	0.636205618	1
uc009fvj.3 BC024978	0.04514468	4.383225525	0.705682006	1
uc007kwa.1 Coil	0.04499139	2.825863298	0.805365555	1
uc007lzl.1 Ddx5	0.04497648	9.336930927	0.617489705	1
uc009jqa.2 Nsmce1	0.04484375	3.575620635	0.747314589	1
uc008vwt.2 Pik3cd	0.04482348	2.362803489	0.920875923	1
uc009dij.1 Tamm41	0.04481756	2.312648855	0.828430738	1
uc009uhz.2 Arxes2	0.04480251	8.272142191	0.682149401	1
uc008gwo.2 Psat1	0.04478402	7.197540716	0.679670733	1
uc009tbx.2 Zdhhc9	0.04474785	4.182661018	0.718290153	1
uc008mbj.1 Sqrdl	0.0447322	7.124172518	0.63849433	1
uc008fak.1 Dctn4	0.04472882	6.988307084	0.637643827	1
uc007fda.2 Lims1	0.04470227	6.876908439	0.647005893	1
uc008wfr.2 Sdf4	0.04467939	7.191728764	0.624835096	1
uc008ycd.2 Cdkl2	0.04466648	5.465261128	0.661048823	1
uc007pah.2 Wars	0.04460783	5.761989124	0.621577034	1
uc009gup.2 Trpm4	0.04459788	2.094375126	0.838737696	1
uc008vkg.3 Hp1bp3	0.04456181	6.997017117	0.593122911	1
uc029upj.1 Wls	0.04450347	7.156426929	0.621301256	1
uc007qhi.1 Fam8a1	0.04449859	5.792016731	0.670996923	1
uc008eox.3 Pcdha4	0.04444681	7.338393487	0.608109166	1
uc009cyq.2 Nr2c2	0.04434181	6.932605552	0.63287598	1
uc008xkj.1 9230114K14Rik	0.04433776	2.634522896	0.820653517	1
uc008gmy.2 Taf6l	0.04432084	4.691388819	0.700907134	1
uc007eoe.1 Ahi1	0.04427532	3.682001458	0.778932949	1
uc012dvi.1 Tada2b	0.0442584	5.352509493	0.632241135	1
uc008uql.1 Mycbp	0.0442557	4.655932134	0.716022639	1
uc011yzg.1 Fbxw17	0.04424562	3.605130553	0.762860195	1
uc008kuu.2 Madd	0.04422135	3.991145691	0.78356484	1
uc008ica.2 Fam45a	0.04421896	4.982753738	0.692790542	1
uc012byd.1 Nup35	0.04421382	2.202475319	0.842796145	1

uc009dlo.1 Bms1	0.04420879	4.988761858	0.679488113	1
uc009qfi.1 Aph1c	0.04418671	1.45441321	0.918793472	1
uc011xuj.2 Zfp2	0.04411093	4.003879875	0.749663756	1
uc008swt.1 Nipsnap3b	0.04405404	5.281838548	0.676222265	1
uc008wea.1 Cdk11b	0.04394577	4.726843043	0.683263088	1
uc009ffc.2 Chmp2a	0.04392749	4.381624222	0.723069962	1
uc008dnn.2 Ehd3	0.04392277	3.859584198	0.851639145	1
uc009pvd.1 Mpi	0.04386459	4.37509787	0.724039508	1
uc008oiq.1 Rps21	0.04383658	3.589765688	0.764777765	1
uc008elu.1 Etf1	0.04383121	7.692234903	0.622007259	1
uc007ayy.2 Ormdl1	0.04378793	3.301793719	0.788320658	1
uc009rnc.3 Rbm6	0.04375133	5.155612204	0.707239831	1
uc007ogx.2 Nek9	0.04374874	7.641428489	0.603547191	1
uc008kfh.2 Fkbp7	0.04373797	2.791411563	0.827051765	1
uc007nux.2 Daam1	0.04369187	6.083007934	0.676155158	1
uc009uun.2 Syap1	0.04368646	7.836980991	0.603903052	1
uc007xsr.1 Acvr1b	0.04368084	6.101482326	0.818308549	1
uc009doz.1 Phc1	0.04367494	4.587861658	0.710774711	1
uc008lkb.1 Tcp11l1	0.04366984	4.681412546	0.719017401	1
uc009fwd.1 Blvrb	0.04364523	4.916481046	0.703357851	1
uc007nla.2 Zfp277	0.04363735	3.861411015	0.751281112	1
uc007fvx.1 Pttg1ip	0.04359417	8.155836286	0.601761815	1
uc008fcg.1 AK019420	0.04351597	6.048251307	0.632002685	1
uc008ugn.2 Mast2	0.04351324	6.351351612	0.595340196	1
uc007hke.2 Tmem194	0.04347569	3.119152409	0.791562037	1
uc012dta.1 Klhl7	0.04347342	6.825200942	0.652718015	1
uc008lzh.1 Mfap1a	0.04346463	4.202113561	0.731472556	1
uc008jaa.3 Trub2	0.04345703	4.483680897	0.75604201	1
uc009mok.1 Rnaseh2a	0.04342341	3.428624182	0.773897824	1
uc007xqg.1 Cers5	0.04342113	5.860125536	0.610094633	1
uc008pnp.1 Ppid	0.04334597	4.003253964	0.735694566	1
uc007hni.1 Zc3h10	0.04333897	3.560153528	0.774588242	1
uc007iur.1 Jade2	0.04330168	5.408007387	0.73693764	1
uc007jsd.2 Kctd11	0.04328272	2.754977053	0.836742748	1
uc009hha.1 Vimp	0.04327702	4.975189179	0.68198038	1
uc007jdo.2 Arf1	0.04327518	7.009094253	0.619330791	1
uc007zen.1 Gsk3b	0.04324874	8.092818926	0.623616406	1
uc009mvq.1 Ogfod1	0.04321572	5.737776221	0.636751645	1
uc009djh.2 lft122	0.04317762	4.409347374	0.751897076	1
uc007rlo.1 Arsb	0.04317587	6.64167763	0.622050849	1

uc007qyt.1 Aaed1	0.04308422	4.339323109	0.708450103	1
uc009sgm.1 Lztf1	0.04302788	4.038988434	0.73622886	1
uc009jfb.2 Swap70	0.04295261	4.960959186	0.734954635	1
uc008ozp.2 Bbs7	0.04295241	2.937197698	0.808666143	1
uc008kbc.2 Itga6	0.04295083	7.08173186	0.748661785	1
uc007pka.2 Pfkp	0.04290914	7.251577285	0.629639918	1
uc008ctu.2 Rrp36	0.04290473	2.942743822	0.800772753	1
uc029wfc.1 9830147E19Rik	0.04290425	3.558502696	0.799858065	1
uc008mrg.1 Polr3f	0.04290121	4.581528068	0.707916915	1
uc008aco.1 Hmgn1	0.04283567	5.006701679	0.682506174	1
uc007kva.2 Dynll2	0.04283233	6.892947303	0.643996115	1
uc008ptu.1 Apoa1bp	0.04283064	4.654026559	0.703789484	1
uc007ocd.2 Adam4	0.04278632	1.64981596	0.884933805	1
uc007ofl.1 Lin52	0.04277688	4.335833768	0.750925003	1
uc008vau.2 Gmeb1	0.04277068	3.667084821	0.781034193	1
uc009fva.2 Egln2	0.04274735	5.979527826	0.645004735	1
uc009sgh.1 Sacm1l	0.04267127	7.326384906	0.667777274	1
uc007fdn.2 Sept10	0.0426372	5.793656382	0.677710012	1
uc009edo.1 Itfg2	0.04261446	3.962002491	0.760920206	1
uc056yme.1 Derl2	0.04259345	5.650696658	0.672769753	1
uc012bnb.2 Pcgf6	0.04255724	1.974877775	0.867219511	1
uc007qaq.2 Serpinb6a	0.042503	5.86457953	0.759043732	1
uc007khc.1 Taok1	0.04250136	9.101783433	0.630860759	1
uc007kdd.1 Hic1	0.04244004	2.572383245	0.855965326	1
uc008fdp.2 Napg	0.04241955	5.41780327	0.653040784	1
uc007mci.2 LOC100503496	0.0424062	5.208117799	0.664839744	1
uc007nhq.2 Bcap29	0.04235581	4.736351046	0.699873315	1
uc008vku.1 Pink1	0.04233065	7.847011045	0.661573402	1
uc007bht.1 Pikfyve	0.04231971	7.942863197	0.63445667	1
uc007vjr.1 Otulin	0.04228919	4.506932975	0.708424868	1
uc008eux.2 Dcp2	0.04228136	6.343135938	0.617643984	1
uc008rgu.1 Ank2	0.04225889	4.140448216	0.777550465	1
uc057bgb.1 AK048548	0.0422455	4.074166282	0.868290828	1
uc008ctg.1 Srf	0.04219781	6.553620764	0.816628985	1
uc007xvl.2 Aaas	0.04217635	3.034122899	0.798045927	1
uc008kff.1 Prkra	0.04217146	4.571460104	0.719294704	1
uc008sho.1 Aptx	0.04216356	4.164189449	0.734998063	1
uc008nol.2 Soga1	0.04211326	6.771229192	0.723993788	1
uc007cxz.1 BC003331	0.04208515	6.369551347	0.597664324	1
uc007iic.1 Erlec1	0.04207531	5.625269536	0.653851244	1

uc007iha.2 Prorsd1	0.04205363	3.610187513	0.780593676	1
uc009ajk.2 Actb	0.04203608	10.43161137	0.662167674	1
uc007mfb.2 Cdc42ep4	0.0419572	6.698197423	0.731718635	1
uc008sgb.2 Orc3	0.04193353	6.421813152	0.612439286	1
uc008uvd.2 Zscan20	0.0418387	2.398932041	0.839246363	1
uc007fmn.3 A930033H14Rik	0.04180246	3.34719718	0.813543778	1
uc008qoy.2 Fmo5	0.04177192	6.707805488	0.673375504	1
uc009tku.1 Cetn2	0.04170071	3.777818634	0.762716607	1
uc007hsv.2 Rnf185	0.04165675	5.669105692	0.647672662	1
uc007skt.2 Camk2g	0.04164089	5.249775454	0.675726695	1
uc007dpy.1 Pea15a	0.04160815	5.543066174	0.712253701	1
uc007ufx.2 Spryd7	0.0416018	4.963583015	0.718203284	1
uc012bdv.1 Fbxo38	0.04159691	5.990353523	0.64043391	1
uc009tep.2 Phf6	0.04158119	4.551720146	0.727748138	1
uc008lxe.1 Tmem62	0.04155768	4.453258283	0.725665282	1
uc008xtw.2 Chic2	0.04152991	4.797361982	0.745764639	1
uc007pdt.2 Apopt1	0.04149232	4.725556891	0.735850574	1
uc008evb.2 Ythdc2	0.04146621	4.615033299	0.735073465	1
uc008rco.2 Mfsd14a	0.04144449	5.729265008	0.652775378	1
uc007vpk.1 Eif3e	0.0414328	6.42466776	0.602164111	1
uc007clc.2 Rab3gap1	0.04143206	6.763884628	0.61437401	1
uc009igk.2 Eed	0.04142372	4.421738592	0.733428725	1
uc009usr.1 A830080D01Rik	0.04137483	3.978919221	0.80260979	1
uc007fcx.1 Gcc2	0.04122855	5.551562962	0.650860359	1
uc009rdb.1 Slc25a36	0.0411997	6.837150959	0.681770462	1
uc008pca.1 Larp1b	0.04115353	5.045710058	0.682026369	1
uc008dpr.2 Prkd3	0.04114893	6.41577547	0.654805414	1
uc009ngz.2 Nip7	0.04109708	3.08853535	0.806732187	1
uc008phx.2 Selt	0.04104278	7.476756377	0.620046069	1
uc007ewq.1 Gtf3c6	0.04103137	2.801215052	0.823953762	1
uc009cfj.2 Serbp1	0.04098159	6.344373559	0.686439271	1
uc008ppi.1 Plrg1	0.0409361	4.973520632	0.687340716	1
uc033jka.1 Vps11	0.04089648	6.55534231	0.64300266	1
uc007nzd.2 Gphn	0.04085271	6.712652157	0.632801276	1
uc009gie.1 Scn1b	0.04084187	6.203794289	0.773171141	1
uc009odh.1 9230110C19Rik	0.04080071	3.059306772	0.810986442	1
uc009cew.2 Gng12	0.0407745	6.91951273	0.629185213	1
uc008sqj.1 Rgp1	0.04077423	6.49459935	0.627952436	1
uc007hld.1 Ptges3	0.04074737	5.207750741	0.675375319	1
uc008xko.1 Sepsecs	0.04070057	5.355203017	0.678751621	1

uc009uuv.1 Tceanc	0.04066086	3.97966569	0.775903511	1
uc008xcx.1 Nop14	0.04062631	4.652060572	0.709755332	1
uc007rmh.2 Zbed3	0.04060741	3.962781389	0.75457416	1
uc009nro.1 Mthfsd	0.04058965	4.297813466	0.735698526	1
uc012gfd.1 Lsm4	0.04057943	3.419196536	0.784900467	1
uc007kxy.1 Spag9	0.04054541	8.450575148	0.645083026	1
uc007zrq.2 Hspa13	0.04049492	6.066380682	0.631733902	1
uc009sxo.2 Pgrmc1	0.04044258	7.49733571	0.684157283	1
uc007swv.1 Stab1	0.04041303	5.830754397	0.894611201	1
uc007jfy.1 Drg2	0.04033417	4.892318485	0.69957476	1
uc008lzb.1 Pdia3	0.04032068	7.47188425	0.632055701	1
uc007vsa.2 Deptor	0.04029512	8.773573841	0.71765967	1
uc008www.3 Atraid	0.04028571	6.326825416	0.682772797	1
uc008iwc.1 Surf6	0.04022952	3.549156386	0.793283057	1
uc011xnr.1 Mdm1	0.04020114	2.264536248	0.857026328	1
uc009giz.1 4931406P16Rik	0.0401978	8.862402327	0.745316252	1
uc007niu.1 Twistnb	0.04017997	3.364824993	0.807163501	1
uc009urv.2 Prdx4	0.04014984	3.355378632	0.808839129	1
uc009sqx.2 Atp6ap2	0.04010323	6.367006555	0.6525292	1
uc008tee.2 Slc31a2	0.04009235	4.001168909	0.754447346	1
uc007dxb.2 Nvl	0.03999975	5.493074999	0.678774271	1
uc009sqm.1 Tspan7	0.03996603	5.66191861	0.695680393	1
uc008lhc.2 Lrrc4c	0.03996527	2.518866641	0.853591204	1
uc008lux.2 Mapkbp1	0.03995106	6.282040846	0.72758616	1
uc007esx.2 Echdc1	0.03986645	8.076389954	0.689628675	1
uc008xvc.1 Cep135	0.03986336	3.014683879	0.813825556	1
uc007xyc.4 Itga5	0.03985154	4.577585341	0.866588701	1
uc033fpa.1 Lama2	0.03981711	3.477217357	0.882903564	1
uc009dda.2 Crbn	0.03974552	6.426918203	0.653246401	1
uc007ozj.2 Setd3	0.03974362	6.56753527	0.62569609	1
uc008syr.1 Svep1	0.03970129	9.642633635	0.822333446	1
uc009ajp.2 Rbak	0.03964103	3.238514242	0.828831124	1
uc012gqe.1 Tirap	0.03963475	3.852850048	0.776246118	1
uc008dyy.2 Zeb1	0.03961166	6.424844777	0.721050107	1
uc009pcw.1 Dpagt1	0.03959785	4.78654601	0.754139662	1
uc009rjp.2 Acy1	0.03957761	2.539201091	0.840968847	1
uc007pkv.2 Dip2c	0.03957435	6.235249472	0.620444239	1
uc007tlx.1 Osgep	0.03957236	5.046486633	0.694416168	1
uc009jhl.1 Btbd10	0.03947286	4.424862436	0.742109175	1
uc009byx.1 AK042028	0.03945287	2.661176905	0.876821143	1

uc009ssa.2 Maoa	0.03944409	4.778662163	0.734669318	1
uc007nbj.2 Nbas	0.03943491	7.216369952	0.632506785	1
uc009bmu.1 Ssbp1	0.03942813	2.85424618	0.849353069	1
uc009lhj.2 Hook3	0.03940454	7.937420151	0.656240624	1
uc009azt.1 Capza2	0.03939996	7.025823863	0.656430147	1
uc007apw.2 Arid5a	0.03937826	6.188692108	0.844520335	1
uc008reh.1 Arhgap29	0.03934127	8.399535866	0.691607695	1
uc009oll.2 Dnm2	0.03933694	7.227739971	0.648810082	1
uc007pup.1 Hfe	0.03928144	6.380252616	0.821634163	1
uc007kxu.1 Nme1	0.03924826	4.460289143	0.748830694	1
uc008ulu.1 Ybx1	0.03919606	5.696329201	0.715972817	1
uc008hub.1 Borcs7	0.03913405	4.247606121	0.775079192	1
uc007jgk.1 Top3a	0.03909323	3.793575648	0.782685194	1
uc008shu.2 Smu1	0.03907373	7.443827296	0.681306494	1
uc007klc.1 Suz12	0.03906253	6.341600646	0.658364823	1
uc007jow.3 Ctc1	0.03895541	4.604105863	0.741333942	1
uc008cak.1 Rps18	0.03894501	3.51205076	0.795614784	1
uc008wyi.1 Gpn1	0.03894015	4.366484203	0.729097732	1
uc008zua.1 Crcp	0.03891191	3.42225318	0.797283009	1
uc009jyz.1 Tial1	0.03890668	5.653274753	0.686124476	1
uc008jdp.2 Gpr107	0.03881184	5.934668534	0.653279172	1
uc008yym.1 Sart3	0.03880239	4.23653122	0.753348891	1
uc008hmd.1 Gm340	0.0388016	4.89511657	0.7449293	1
uc008gnd.1 Ttc9c	0.03879391	5.289039198	0.696558404	1
uc008thv.2 Tlr4	0.03879285	7.13765641	0.699346883	1
uc007zpm.2 Arl6	0.03876303	3.333839826	0.811771345	1
uc008qpk.1 Sec22b	0.03871375	5.692708234	0.65664925	1
uc012eda.1 Rad9b	0.03870877	6.219228353	0.689192632	1
uc008iwn.1 Rexo4	0.03870597	3.456459152	0.790702947	1
uc009usb.1 Mbtps2	0.03864647	5.164281773	0.691348443	1
uc007arp.1 Unc50	0.03862702	4.962865309	0.741004727	1
uc009mgi.2 Tmem38a	0.03860101	1.849566393	0.873448227	1
uc007ejg.1 Rab32	0.03855616	4.666123543	0.786011882	1
uc009mru.3 Cylid	0.03854966	6.469091388	0.652745311	1
uc007how.1 Rdh5	0.03847695	3.376868251	0.827636544	1
uc009moy.1 2310036O22Rik	0.03839785	4.218217199	0.749848392	1
uc007jvu.2 Rnf167	0.03832483	4.890322052	0.71923436	1
uc009tpt.3 F8	0.03825805	4.260567819	0.771028984	1
uc012epq.1 Foxp1	0.03819734	5.026671672	0.765633728	1
uc008sfe.2 Lyrm2	0.03817982	3.272936596	0.818076142	1

uc007mhi.1 Cdr2l	0.03813952	1.943566462	0.881509907	1
uc007ouj.1 ltpk1	0.03809957	5.312545917	0.76315401	1
uc008plp.1 Mfsd1	0.03808747	6.473376642	0.657247037	1
uc009psh.2 Nrg4	0.03801356	5.373124798	0.7877175	1
uc007vlf.2 Mtdh	0.03799075	6.727671721	0.654771437	1
uc008sqe.2 Tln1	0.03795939	8.763844369	0.671051793	1
uc009jsb.1 Apobr	0.03791063	1.981012165	0.897688341	1
uc007xit.2 Yaf2	0.03787385	5.495007072	0.702334239	1
uc009mqf.2 Itfg1	0.03785369	7.01370607	0.659966572	1
uc056yix.1 Aftph	0.03785298	5.987940159	0.650841263	1
uc007oro.2 Ttc8	0.0378146	4.887516361	0.739116105	1
uc007ajg.2 Terf1	0.03778712	2.193950846	0.879278525	1
uc009opy.2 Acad8	0.03776815	5.813415095	0.709785205	1
uc007gwp.2 Nudt4	0.0377633	8.714027973	0.729340306	1
uc007nnx.1 Cfl2	0.03775597	6.552164019	0.681423635	1
uc007sht.2 Nkiras1	0.03772064	5.249148442	0.714182693	1
uc007rdg.2 Ndufs6	0.03770459	3.823443434	0.785411409	1
uc008sck.1 Ggh	0.03767819	5.841527425	0.679303361	1
uc008ugw.1 Nasp	0.03766945	4.185830982	0.781051223	1
uc008vfv.1 Tmem50a	0.03766671	5.692318443	0.682093054	1
uc009avo.1 Casd1	0.0376646	6.067917867	0.671310536	1
uc009szx.2 Lamp2	0.03765808	9.070851776	0.660647986	1
uc011yyl.1 Riok1	0.03763481	3.589136778	0.798877389	1
uc007miq.1 Tsen54	0.0375953	2.829021749	0.840155131	1
uc011zjj.1 Styx	0.03756814	2.60287297	0.853432338	1
uc009ojv.1 Mrpl4	0.03755574	4.898498459	0.730765079	1
uc012fkz.1 Uevld	0.03750662	4.449866582	0.735032704	1
uc007qod.2 Thoc3	0.03749651	5.0183658	0.693356443	1
uc008srn.2 Gne	0.03749071	6.087451998	0.692223786	1
uc011xiv.1 Sf3a2	0.03748497	2.788893962	0.850779568	1
uc008cvz.1 Frs3	0.03746303	2.108074357	0.853937073	1
uc012cxw.2 Tbck	0.03745418	6.784564387	0.642691882	1
uc007nqb.1 Pnn	0.03743623	3.776299064	0.809429734	1
uc008jjz.1 Rab14	0.03742061	7.568256075	0.674368833	1
uc008sux.1 Stx17	0.03738096	6.428025416	0.665179405	1
uc012bwz.1 Dync1i2	0.03737433	6.372982513	0.655654381	1
uc009mvw.2 Mt1	0.03734211	7.282606222	0.819971323	1
uc007wuh.3 Sun2	0.03732184	8.644562742	0.706320421	1
uc007ivu.2 Aff4	0.03728571	9.037640472	0.64377875	1
uc007vpm.1 Emc2	0.03714684	5.50489168	0.710015456	1

uc008qtz.1 Phtf1	0.03714584	4.597462559	0.734459972	1
uc008vyj.1 Vamp3	0.03710104	6.962018992	0.681977184	1
uc007uqw.1 Cog3	0.03706787	5.802331719	0.680519585	1
uc008wfk.2 Ube2j2	0.03705104	3.746954201	0.792469382	1
uc011xuv.2 Rapgef6	0.03696109	6.555965827	0.682677437	1
uc009mnh.1 Dand5	0.03695641	2.329432583	0.862756076	1
uc007ent.1 Bclaf1	0.03687229	7.145275839	0.695885837	1
uc009cyh.2 Slc6a6	0.03686377	7.981355882	0.838049137	1
uc008ivl.2 Notch1	0.03685796	8.427582003	0.768172183	1
uc008vdf.2 Pigv	0.03685236	3.28670596	0.81242	1
uc009ekt.1 Crebl2	0.03682427	5.954034667	0.670576689	1
uc007rwo.2 Slc38a9	0.0368214	4.714953507	0.74058904	1
uc008pvv.2 Arhgef2	0.03680142	5.011139022	0.775252664	1
uc008keg.1 Hoxd3	0.036697	2.355761497	0.883124557	1
uc007ken.1 Myo1c	0.0366753	9.284065514	0.707474643	1
uc008gnp.1 Ubxn1	0.03664922	4.860890246	0.73087276	1
uc009ign.2 2310010J17Rik	0.03663848	2.269688496	0.862980102	1
uc007hvg.2 Nf2	0.03662194	6.592141175	0.66445933	1
uc008moo.1 Ankef1	0.03660474	5.525194043	0.750527377	1
uc007eiz.2 Stxbp5	0.03659043	5.862775657	0.694016413	1
uc009bdv.2 Irf5	0.03645985	2.420110848	0.946634213	1
uc007eut.2 Tspyl1	0.03644208	6.486362451	0.657282522	1
uc007jfk.1 Rai1	0.036423	5.862801967	0.71608494	1
uc009pie.2 Rbm7	0.03640883	6.100945049	0.68082493	1
uc007slp.1 Samd8	0.03630615	7.009823827	0.658757353	1
uc009ett.1 Dennd5b	0.03629869	6.486354917	0.713922024	1
uc008lhv.1 Trim44	0.03625891	8.043942647	0.686263528	1
uc008sex.3 Casp8ap2	0.03622915	4.733083888	0.742229462	1
uc007izm.1 AK171960	0.03622622	4.591610882	0.753177565	1
uc007loj.1 Becn1	0.0362031	6.082416074	0.663440813	1
uc007ymx.1 Zdhhc8	0.03615433	4.501139138	0.771426254	1
uc008rxj.1 Ubxn2b	0.03612332	4.289530011	0.756996768	1
uc007yye.3 Pigx	0.03607217	3.064203047	0.840063708	1
uc008gng.1 Hnrnpul2	0.03590415	6.651459175	0.703725699	1
uc029rxs.1 Serpina3g	0.03586777	1.815367482	0.926287014	1
uc008zoh.2 Zcchc8	0.0358552	4.336227984	0.77126954	1
uc008hyh.2 Tcf7l2	0.03585263	6.255275595	0.763708819	1
uc007pof.1 Rala	0.03584085	5.08915416	0.731287011	1
uc008qxw.1 Gstm2	0.03583293	5.657587449	0.770645516	1
uc008jjr.3 Cntrl	0.03580907	4.276666694	0.795726859	1

uc009cbp.2 Fkbp9	0.0357769	7.766765722	0.703667564	1
uc009nya.1 Tsnax	0.03571872	5.794047283	0.678212856	1
uc008mfc.1 Tmem127	0.035639	6.842532289	0.677324273	1
uc007pac.1 Yy1	0.0356366	6.262390147	0.697752141	1
uc008ioi.2 Spopl	0.03560631	4.435240743	0.771759186	1
uc007grq.2 Chpt1	0.03551041	5.280099091	0.72861491	1
uc008zea.2 Pxn	0.03543857	5.040475381	0.786379182	1
uc007zed.1 Rabl3	0.03541158	2.577005042	0.873695049	1
uc009rex.1 Nck1	0.03534865	4.613701574	0.760599687	1
uc007nzz.1 Rdh11	0.03530743	3.046379026	0.829392337	1
uc009ikz.2 Uvrag	0.0352818	5.8625085	0.709361759	1
uc008dfu.1 Pja2	0.03527242	7.401646457	0.685906472	1
uc008rlx.1 Nfkb1	0.03526776	6.168878046	0.675736711	1
uc007tzk.2 Irf9	0.03525893	5.155766919	0.764062107	1
uc008noq.2 Rbl1	0.03523897	5.227802521	0.737828226	1
uc008jtx.1 March7	0.03519063	6.771948154	0.709708103	1
uc009anj.1 Usp12	0.0351808	5.437031393	0.719758613	1
uc007lyi.1 Ccdc47	0.0351668	6.087250386	0.683440592	1
uc007lqt.2 G6pc3	0.03516642	5.12169109	0.74588504	1
uc007lxm.1 Tanc2	0.03513983	5.218724226	0.798384706	1
uc012afy.2 Usf3	0.03507401	7.211211973	0.679105956	1
uc009chr.1 Ptdcd3	0.03500044	2.091956154	0.875942718	1
uc007ltd.1 Nmt1	0.03499547	6.439063324	0.68939655	1
uc007bdy.1 Nop58	0.03496942	5.074808067	0.842467879	1
uc009qfk.2 Rab8b	0.0349594	5.441670101	0.878590544	1
uc008ejd.2 Map3k2	0.03490887	7.475759954	0.703830865	1
uc009lvu.2 Naf1	0.03489581	4.144663513	0.797316456	1
uc007gwm.1 Ube2n	0.034829	4.480324424	0.797944771	1
uc007hda.1 Lyz2	0.03480764	6.045899473	0.932609404	1
uc012dus.1 Fam53a	0.03479376	4.379321904	0.784312129	1
uc009npm.1 Hsbp1	0.03478117	5.664860858	0.711288399	1
uc009vev.1 AK140265	0.034767	10.91880464	0.782234989	1
uc008lor.2 Nop10	0.03472564	3.507864734	0.841633925	1
uc007xyu.1 Zfp597	0.03472367	4.734821589	0.775806074	1
uc007fke.2 Sirt1	0.03472343	6.045760595	0.717681569	1
uc009gjk.1 Cebpg	0.0346932	7.173279189	0.700443513	1
uc009fhp.2 Sae1	0.03466817	4.808150176	0.751934271	1
uc008ueb.1 Trabd2b	0.03466156	7.017972639	0.797159314	1
uc007lbb.1 Snf8	0.03461907	3.482028515	0.814815372	1
uc009ldy.2 Ap3m2	0.03460732	4.324991389	0.780863414	1

uc009blq.2 Mkrn1	0.03456921	5.156171002	0.730352079	1
uc007uqx.1 Slc25a30	0.03455087	5.602834799	0.822116164	1
uc007idv.2 Mdh1	0.03452355	8.095303936	0.723249206	1
uc008soz.2 Fam214b	0.03444151	5.490764452	0.769299953	1
uc009bvx.2 Hipk2	0.03443634	8.274031193	0.756433363	1
uc009lxc.1 Zfp930	0.03439161	3.004311482	0.869138869	1
uc007zhg.2 Spice1	0.03438332	2.538460972	0.862997457	1
uc009mir.1 Otud4	0.03437141	7.326276562	0.708868298	1
uc009esg.1 Med21	0.03436002	3.877878614	0.813207964	1
uc008vag.2 Srsf4	0.03433736	5.871640358	0.76698086	1
uc011xfv.1 Ccdc6	0.03433042	6.967042877	0.716941369	1
uc007upg.1 Fndc3a	0.03431949	7.54882267	0.707854625	1
uc008dkb.2 Ptpm	0.0342052	7.702649198	0.736468775	1
uc012aji.1 AK077171	0.03413862	3.347534151	0.836113009	1
uc008sji.2 Dctn3	0.03413403	6.299487262	0.722685102	1
uc008egy.1 Mocos	0.03410618	4.75141371	0.808507088	1
uc008ovu.2 Skil	0.03407016	7.165519219	0.851364896	1
uc008nqx.1 Top1	0.03403367	7.151399981	0.71015095	1
uc008utz.2 Sfpq	0.0340259	7.125815981	0.753215527	1
uc008zsv.1 Sfswap	0.03400703	5.086213288	0.761362677	1
uc007lvp.1 C130046K22Rik	0.03399278	2.00970584	0.881024683	1
uc007vas.1 A330035P11Rik	0.03399078	2.607873942	0.874741996	1
uc007bvq.1 Pde6d	0.03391661	2.886809666	0.85219772	1
uc033fsq.1 Zdhhc17	0.033904	6.001206448	0.714946314	1
uc009lyg.3 Gatad2a	0.03387263	6.442540841	0.671290298	1
uc009prm.2 Wdr61	0.03383154	4.719185032	0.74857737	1
uc009toy.1 G6pdx	0.03380294	7.913451108	0.786822319	1
uc007rkt.1 Serinc5	0.03378784	3.29124895	0.851840668	1
uc009ucj.2 2610002M06Rik	0.03377584	5.168134856	0.751050852	1
uc012eeb.1 Tyw1	0.03374538	5.078617163	0.760050798	1
uc007nar.2 Rdh14	0.03372438	4.247622522	0.784370234	1
uc008dfq.3 Fer	0.03369337	5.140654046	0.732039469	1
uc011wmx.2 Tns1	0.03363009	11.61710427	0.75236391	1
uc008uvo.1 Trim62	0.03362594	2.057297898	0.897037566	1
uc007niy.2 Hdac9	0.03361693	2.857457651	0.880772114	1
uc008uoi.2 Ppt1	0.03360571	6.381214819	0.690895406	1
uc009tvy.2 Igbp1	0.03357202	5.18752305	0.727772632	1
uc009abc.1 Ift22	0.03353459	2.650225995	0.861233591	1
uc012dmw.1 Man1c1	0.03348861	4.485738879	0.877350808	1
uc008mjc.2 Ptpa	0.03348204	6.589574395	0.69045537	1

uc008hvf.2 Slk	0.0334298	6.627575972	0.698816964	1
uc009het.4 Snrpn	0.03341689	3.816614646	0.813749411	1
uc007xuo.1 Tns2	0.03341619	9.165687707	0.716672095	1
uc007mva.1 Csnk1d	0.03340628	7.294781326	0.683238431	1
uc009rvn.2 Lrrfip2	0.03338831	4.163226206	0.791637703	1
uc007izt.2 Fam114a2	0.03337485	5.378659857	0.731463588	1
uc009rmc.2 Hyal3	0.03333779	5.84547372	0.777763409	1
uc012fln.1 C230091D08Rik	0.03330388	6.429212372	0.69464408	1
uc008isx.2 Tmem141	0.03326552	2.205581018	0.882768648	1
uc007dnn.1 Adamts4	0.03324792	5.328943809	0.904464341	1
uc007zih.2 Slc35a5	0.03323918	5.412838906	0.736599819	1
uc009gde.1 Zfp260	0.03318146	5.713902295	0.753649881	1
uc007dpw.2 Dcaf8	0.03318	7.695541165	0.692566522	1
uc009jeu.1 Ipo7	0.03317255	7.742189365	0.705281068	1
uc008dpm.2 Ndufaf7	0.0331668	4.606182987	0.784042614	1
uc008nfe.1 Rbck1	0.03308776	6.197107362	0.691420472	1
uc009fwe.1 AK008665	0.03302563	2.299467216	0.885525762	1
uc008xsj.3 Slain2	0.03299891	6.667428726	0.677263766	1
uc008wsj.1 Rheb	0.032894	6.061025371	0.691537787	1
uc007bum.2 Cab39	0.03288716	7.457833419	0.687186328	1
uc008mnt.2 Tmx4	0.03280835	6.529036825	0.712521018	1
uc008cip.1 Flot1	0.03272877	5.975013748	0.711082251	1
uc007ukt.2 Bnip3l	0.03265976	7.009794219	0.738625925	1
uc007aml.2 Fam135a	0.03262033	5.438398719	0.731797006	1
uc007jnj.1 Stx8	0.03258791	3.567703982	0.828421735	1
uc008aow.1 Rgmb	0.03252091	5.024486367	0.742775721	1
uc008vao.1 Epb41	0.03247908	6.777874688	0.71254449	1
uc008day.2 Plin4	0.03247643	12.15600035	0.746331117	1
uc008wyg.2 Zfp512	0.03245423	4.417276366	0.784829834	1
uc007udb.2 Ift88	0.03243783	3.685772671	0.820151392	1
uc008upr.2 Macf1	0.0323989	8.983778048	0.729106184	1
uc008wuj.1 Nom1	0.03234333	4.628235132	0.781145744	1
uc007ben.2 Cyp20a1	0.03227545	5.024843087	0.75678061	1
uc008luc.1 Ndufaf1	0.03226405	4.539442899	0.777880378	1
uc008iok.2 Hnmt	0.03225003	5.865126318	0.732249959	1
uc008inq.1 Pdss1	0.03224682	6.895932579	0.735921972	1
uc007vnl.1 Rrm2b	0.03214855	5.880265035	0.734080766	1
uc008wxg.1 Gtf3c2	0.03214516	6.374393416	0.719247375	1
uc007ghd.3 Pip5k1c	0.03212842	5.255013169	0.773870977	1
uc007grr.2 Chpt1	0.03212616	10.29674023	0.778681042	1

uc007uxk.1 Rbm26	0.03211003	6.248758892	0.739124229	1
uc057azu.1 Copz2	0.03209911	4.695449812	0.779757842	1
uc007tob.2 Hnrnpc	0.03209111	6.518234078	0.718062296	1
uc009ufa.1 Tspan6	0.03205314	3.862955942	0.845132857	1
uc009cgv.2 Rnf103	0.03199238	5.793877645	0.728574283	1
uc007qdm.1 Snrnp48	0.03197967	3.17974278	0.880088438	1
uc007pix.1 Fam208b	0.031973	8.748786697	0.693137038	1
uc007bgv.1 Mettl21a	0.03194247	3.439761682	0.841644986	1
uc009pcy.1 H2afx	0.03188794	2.641344416	0.891167907	1
uc012bbj.1 Ube2d2a	0.03182321	5.13913697	0.73625134	1
uc009urt.2 Acot9	0.03180835	5.420433278	0.75327139	1
uc007ixe.1 Slc22a4	0.03168356	5.910765876	0.772832843	1
uc012hon.1 Zmat1	0.03167303	3.774743563	0.839542863	1
uc012gwx.1 Arpp19	0.03165414	5.368953575	0.778722131	1
uc008drk.2 Map4k3	0.03164108	7.299621504	0.753356462	1
uc007ddz.1 Rfwd2	0.03163467	6.043807528	0.73149192	1
uc009mqo.2 N4bp1	0.0316177	5.932593844	0.79845574	1
uc007arl.3 Inpp4a	0.0315392	5.475716836	0.756393191	1
uc009lex.1 1810011O10Rik	0.03151447	6.377029198	0.849953483	1
uc007mtm.2 Anapc11	0.03150935	4.190272862	0.809204408	1
uc008qhe.2 Psemb4	0.03149687	6.687074884	0.72136627	1
uc007noq.2 Psmab6	0.03149676	6.516159757	0.737181797	1
uc007raz.2 Zfp58	0.03149129	2.327047478	0.904146087	1
uc007jih.2 Ulk2	0.03148843	7.61896543	0.698438854	1
uc009dvn.1 Bid	0.0314049	4.131152761	0.827379418	1
uc007gjt.1 Hcfc2	0.0313957	4.795705467	0.767980612	1
uc007xhn.1 Cpne8	0.03139529	5.086168014	0.784520956	1
uc056zhh.1 Dpf2	0.03137165	4.755513534	0.782978726	1
uc012deh.1 Fsd1l	0.03137162	4.754907682	0.847804957	1
uc008xvl.2 Ppat	0.03133802	6.695627317	0.727871257	1
uc008kdo.2 Lnp	0.03133702	4.847837548	0.776914586	1
uc007nbh.1 Ddx1	0.0313297	6.470524083	0.689234977	1
uc008gwt.1 Gnaq	0.03131426	7.746269018	0.709826743	1
uc012cel.1 Pank2	0.03130095	5.611503264	0.745225611	1
uc007jrb.2 Senp3	0.03125999	5.728161264	0.715274122	1
uc007yir.2 Fgd4	0.0312294	5.527714872	0.841489623	1
uc009cng.3 AK202301	0.03118517	7.238161068	0.726176447	1
uc009ioc.2 Fchsd2	0.03114937	4.641877657	0.797838372	1
uc008svh.2 Msantd3	0.0311097	2.778170458	0.868415719	1
uc007lmo.2 Stat3	0.03109943	8.362116645	0.800608136	1

uc008vcs.1 Slc9a1	0.03104942	5.819822339	0.757608605	1
uc008gre.2 Tmem109	0.03101373	6.979629891	0.781158295	1
uc007def.1 Mrps14	0.03097538	4.582710318	0.800185896	1
uc008hxb.2 Pdc4	0.03086415	5.956886919	0.762083251	1
uc007ehi.2 Akap12	0.0308306	6.389247383	0.815011967	1
uc007yvq.3 Ccxc50	0.03081728	8.681856386	0.728665303	1
uc009tpy.2 Brcc3	0.03076828	5.184926126	0.759859992	1
uc008gja.2 Rps6ka4	0.03076227	5.589131151	0.754446595	1
uc009awf.1 Pon2	0.03076083	6.207244041	0.735059249	1
uc009ayd.1 Ndufa4	0.03073549	6.332067839	0.734792697	1
uc007bet.2 Raph1	0.03061652	5.337678911	0.772115017	1
uc008gcx.3 4930481A15Rik	0.03059792	2.468070645	0.890263593	1
uc007uit.1 Hmbox1	0.0305971	6.334747725	0.70629497	1
uc007zye.2 Gm10785	0.03056515	4.649305869	0.787336034	1
uc007hmq.1 Nabp2	0.03055959	4.301543518	0.804491468	1
uc007yen.2 Litaf	0.03055695	6.484115809	0.831723492	1
uc009pww.2 Loxl1	0.03050856	6.571487415	0.834783451	1
uc007rod.2 Enc1	0.0304981	7.184481999	0.857063865	1
uc012cgd.2 AB345460	0.03043057	5.969126149	0.770431603	1
uc007iih.2 Chac2	0.03041181	3.037035682	0.859036914	1
uc009ktj.2 Map2k7	0.03037075	5.831108842	0.730019929	1
uc007exk.1 Fig4	0.03036885	5.391344863	0.744531261	1
uc009sqh.2 Rpgr	0.03033805	2.993847767	0.850890203	1
uc009drb.1 C1s1	0.03032409	7.390864223	0.789302401	1
uc007vtf.1 Atad2	0.03031645	4.043990541	0.838431185	1
uc009jqm.1 D430042O09Rik	0.03028382	5.541716656	0.749145109	1
uc009pia.1 Rexo2	0.03025318	5.586468797	0.809772277	1
uc008vwj.1 Nmnat1	0.03025244	3.530738959	0.856606643	1
uc009vew.1 AK018753	0.03021361	13.03143454	0.750874595	1
uc009big.2 Cnot4	0.03020357	5.50438963	0.770822419	1
uc008fbc.2 Tcof1	0.03015846	4.53079472	0.817960098	1
uc008iwi.1 Surf2	0.03013141	5.178106994	0.764502317	1
uc008etd.1 Yipf5	0.03012421	5.468589741	0.737994324	1
uc009rcm.2 Rnf7	0.03010335	4.698534527	0.807807121	1
uc008ofg.1 Slmo2	0.03005081	4.791077412	0.787068661	1
uc007ect.3 Lpgat1	0.03001771	10.26717654	0.770321104	1
uc056zva.1 AK153656	0.02996708	2.807845943	0.874431868	1
uc009akp.1 Usp42	0.02995794	4.624588284	0.78851544	1
uc008ygx.1 Hnrmpdl	0.02993805	6.143040263	0.777084042	1
uc008gjc.1 Prdx5	0.0299237	6.12836594	0.727237399	1

uc007yyh.1 Nrros	0.02992105	3.994887512	0.921542168	1
uc008ibn.2 Rab11fip2	0.02992067	6.229150476	0.748126272	1
uc007rab.2 Zfp712	0.02988655	2.320766481	0.920044662	1
uc007txz.1 Zfhx2	0.02982561	4.046808565	0.827293898	1
uc009axu.2 Glcci1	0.02980457	5.876152438	0.793825712	1
uc009rck.2 Atp1b3	0.02979527	6.460189179	0.735612801	1
uc008kiz.2 Zdhhc5	0.02979192	7.370596402	0.732420096	1
uc007ait.2 Tram1	0.0297833	6.911764203	0.739769441	1
uc011ygo.1 Mir3064	0.02971675	1.919049671	0.910789549	1
uc009hgg.1 Mphosph10	0.02968777	2.507997375	0.907518429	1
uc008xdx.1 Acox3	0.02964677	6.282113087	0.758388603	1
uc007vtn.2 Fam91a1	0.02963218	7.566729675	0.719692775	1
uc007jes.2 Mprrip	0.02962435	8.261827195	0.732370822	1
uc012eab.1 Pkd2	0.02956332	6.352110399	0.769806736	1
uc007chy.1 Dsel	0.02953493	3.828821716	0.839043136	1
uc009uvb.2 Car5b	0.02949264	9.105007877	0.751548523	1
uc007wna.3 Apol6	0.02945469	8.620426832	0.77478753	1
uc009obm.1 Msantd4	0.02942761	4.622122331	0.813731435	1
uc007thx.1 Socs4	0.02940976	5.173065895	0.763206509	1
uc009qej.1 Snx22	0.02936728	5.504173778	0.752879878	1
uc009aio.1 Foxk1	0.0293455	6.511674924	0.729970429	1
uc007cjp.2 Dars	0.02927749	6.554886519	0.738959835	1
uc033gdh.1 Lrrn3	0.02926889	2.794244268	0.899795825	1
uc007oex.2 Zfp410	0.02923924	4.417429588	0.828274421	1
uc007xiu.1 Zcrb1	0.02920967	3.270417218	0.852952091	1
uc008wxk.2 Eif2b4	0.02920757	4.287890421	0.809736644	1
uc007oyz.2 Papola	0.02910961	7.201144203	0.739509828	1
uc009njh.1 Atxn1l	0.02907138	6.740067104	0.718979992	1
uc033hiz.1 Nxf1	0.02903227	6.161116733	0.731257209	1
uc007pme.2 Gpr137b	0.02901951	3.49848417	0.873882514	1
uc007cib.1 Tsn	0.02898814	5.824870665	0.754741546	1
uc008dbg.1 Mydgp	0.02898598	4.39283468	0.814213628	1
uc009nnb.2 Gabarapl2	0.02896769	5.481296246	0.745907586	1
uc007zfc.2 Poglut1	0.02893975	5.693208505	0.748531493	1
uc009bqq.2 Casp2	0.02891532	3.926674368	0.836915248	1
uc008oxn.2 Fxr1	0.02884378	6.103930196	0.744467708	1
uc012fgv.1 Fbxo27	0.02879189	1.894033926	0.922354704	1
uc008huc.1 As3mt	0.02875546	2.003670427	0.898603106	1
uc007uuu.2 Mzt1	0.02874343	5.515819175	0.775395709	1
uc007dnw.1 Ufc1	0.0287394	5.216861598	0.771101879	1

uc008wgy.1 Fam133b	0.02865925	3.664047527	0.849642347	1
uc008weu.1 Mrpl20	0.02865925	3.71654804	0.846799817	1
uc008ubo.1 Btf3l4	0.02864312	3.886974198	0.827563342	1
uc009pba.1 Arhgef12	0.0286276	9.038488368	0.753563221	1
uc008dyi.1 Mtpap	0.02861134	5.377895315	0.774310274	1
uc008uhc.2 AV051173	0.02860884	2.117949313	0.912076657	1
uc007kpm.1 Ccl6	0.02846401	4.846891843	0.950602315	1
uc007khw.1 Flot2	0.02845851	6.961750878	0.735361319	1
uc008njm.1 Pxmp4	0.02845177	6.803950965	0.788803113	1
uc007nwa.2 Six1	0.02838982	5.028504163	0.801518983	1
uc007rch.2 Papd7	0.02832235	4.983229701	0.775618904	1
uc009kln.2 Tspan4	0.02831135	6.866011676	0.842741831	1
uc009igi.2 l7Rn6	0.02825146	4.265891635	0.812988024	1
uc007ycw.1 Usp7	0.02820554	7.04245585	0.752139043	1
uc007ufh.3 Mipep	0.02820336	5.244890674	0.774682829	1
uc009epg.1 Golt1b	0.02820267	5.013936418	0.78732026	1
uc008nzu.1 Spata2	0.0281996	6.890369803	0.745500386	1
uc007myw.3 Klhl29	0.02814212	3.304358112	0.903491218	1
uc012dsl.1 Cd36	0.0281339	11.4221393	0.760255041	1
uc008vdh.1 Arid1a	0.02810634	7.305411741	0.747933417	1
uc008owi.2 Mfn1	0.02809698	5.813973889	0.748300251	1
uc012fpp.1 Acer3	0.0280781	3.180954855	0.90816192	1
uc007tbx.3 Ghitm	0.02807546	8.752077354	0.773044958	1
uc007xnp.1 Arf3	0.02805434	7.386353528	0.762853122	1
uc008wyb.1 lft172	0.02796617	6.312600369	0.741266547	1
uc007xad.1 Cyb5r3	0.02793984	6.752115036	0.781722494	1
uc008ais.1 AK085062	0.02790537	2.500916856	0.892291841	1
uc007cyy.1 Rnf2	0.02790087	5.762280028	0.812766882	1
uc007dev.1 Gas5	0.02788461	4.91927142	0.801803743	1
uc007gzs.2 Csrp2	0.02788431	2.365918869	0.900278219	1
uc009bgy.2 Akr1b3	0.02785117	4.586111647	0.828289806	1
uc007jls.2 Adprm	0.02782543	4.000125183	0.841101269	1
uc009pdz.2 Ddx6	0.02774137	8.593802911	0.734219475	1
uc009nbp.2 Cbfb	0.02771443	4.964994505	0.837124698	1
uc007diq.1 Dpt	0.02770443	9.264188136	0.790430043	1
uc007biv.1 Lancl1	0.02767037	5.609306639	0.782414232	1
uc008jzu.1 Tlk1	0.027668	6.101243713	0.737964981	1
uc008aey.1 Arid1b	0.02765966	7.546292897	0.755274256	1
uc008xzv.1 Utp3	0.02765221	3.16617239	0.872798017	1
uc008mng.1 Trmt6	0.02763679	3.894876519	0.843147866	1

uc009dmj.2 Fbxl14	0.02758599	5.141672828	0.798511434	1
uc009bhb.1 Akr1b10	0.02749025	4.359582403	0.820577797	1
uc008uuq.1 Smim12	0.02747736	2.979825669	0.87981002	1
uc007vaw.1 Tm9sf2	0.02744712	7.974909259	0.744481057	1
uc009lrh.2 Cdkn2aip	0.0274434	4.503829986	0.830310109	1
uc009pxs.2 Arih1	0.02743492	7.920641003	0.762788862	1
uc007msu.1 Ccdc137	0.02737152	3.739071425	0.85179305	1
uc007ykh.1 Ydjc	0.02726213	6.184250803	0.747068826	1
uc007byw.1 Agap1	0.02715668	5.836498526	0.766716922	1
uc008gyx.1 Gda	0.02714985	8.214714963	0.815674187	1
uc007vqa.1 Ebag9	0.02712799	3.439393716	0.864739725	1
uc008bdm.2 Axin1	0.02710845	5.585826802	0.77932287	1
uc012aig.1 Synj1	0.02710196	5.735895575	0.782493894	1
uc008jpu.2 Mbd5	0.02701685	6.172211851	0.755109267	1
uc009dbz.3 Shq1	0.02697313	2.737165699	0.89353529	1
uc009qok.1 Sltm	0.02696185	4.824695781	0.84469454	1
uc009nzb.1 Rbm34	0.02691394	3.215962233	0.871741478	1
uc007vkv.1 Sdc2	0.02686404	5.776119366	0.763301799	1
uc009jdk.2 Lmo1	0.02682443	1.98430265	0.911124553	1
uc008umt.2 Foxj3	0.02679203	6.143830676	0.78122006	1
uc008zuf.2 Rabgef1	0.02671839	5.306289165	0.854945272	1
uc008qbn.2 Rab13	0.02670038	2.586774012	0.904038866	1
uc009bgf.1 Mkl1	0.02668654	7.016249781	0.761488338	1
uc008ssj.1 Trmt10b	0.02666765	2.650637164	0.885444059	1
uc008jpp.2 Orc4	0.02665367	5.398404684	0.781228062	1
uc007tvo.2 Abhd4	0.02662434	6.194862121	0.765365677	1
uc009iyu.1 Timm10b	0.02658326	3.398025971	0.860391723	1
uc011zru.2 Ankrd33b	0.02655623	2.256479289	0.959358277	1
uc012cmq.1 Zbtb46	0.02654397	4.216428653	0.850737294	1
uc008gup.2 Zfp91	0.02648296	7.989921727	0.749506923	1
uc009rfh.3 Ppp2r3a	0.02646395	6.38395463	0.74425194	1
uc009jtg.2 Taok2	0.02630293	5.920736142	0.772169462	1
uc009oed.3 Cep57	0.02629447	4.263078942	0.82711585	1
uc007rxx.1 Itga1	0.02621598	6.801317047	0.796157429	1
uc008vfy.1 Rsrp1	0.02608042	7.480293218	0.768875414	1
uc012bfc.1 Pias2	0.02602532	6.237298887	0.772046841	1
uc008wcu.1 Rer1	0.02596953	6.550233374	0.76897434	1
uc008zuv.1 Auts2	0.02595553	4.33619202	0.852152681	1
uc009pdk.1 Trappc4	0.02586476	4.409340777	0.847146124	1
uc007tgn.1 Psmc6	0.02584596	6.353123462	0.758825992	1

uc007odl.1 Rbm25	0.02581888	6.252602382	0.796570235	1
uc007hua.1 Pes1	0.02580759	5.020146021	0.803240526	1
uc008nyv.3 Stau1	0.02578967	6.585415572	0.749792146	1
uc008ikh.1 Stam	-0.10480002	5.968753537	0.274620948	0.998835363
uc008fyf.1 Gstp1	-0.10483781	4.382870282	0.426926358	1
uc008dgd.2 Ppp4r1	-0.1048513	5.874172761	0.244435684	0.995630091
uc008msj.2 Ralgapa2	-0.10487049	9.463302664	0.282833208	1
uc007kac.1 Tax1bp3	-0.10490731	3.290753439	0.516240197	1
uc007lgz.1 Med24	-0.10498961	5.109170825	0.317574385	1
uc007mhu.1 Nt5c	-0.10501021	2.380466909	0.648530501	1
uc009deq.1 Setd5	-0.1051409	8.181201914	0.332589432	1
uc009tgp.1 Mtap7d3	-0.10519009	3.11126226	0.523323743	1
uc007ypm.1 Parl	-0.10522741	4.737170421	0.431876857	1
uc011wuf.1 Abl2	-0.10523392	6.630747692	0.355243265	1
uc007ngv.1 Fam150b	-0.10524527	5.43873978	0.517995115	1
uc009ubk.1 Cox7b	-0.10526636	5.337285735	0.331013241	1
uc009cmk.1 Ccdc142	-0.1052794	4.201829067	0.406018749	1
uc057bav.1 Actg1	-0.10528758	8.080812868	0.335266171	1
uc008jdc.2 Tor1a	-0.10529996	4.443773358	0.351883935	1
uc007pyv.2 Uqcrfs1	-0.10530376	7.48849246	0.315663575	1
uc007blk.2 Rufy4	-0.10536125	2.73268548	0.595701694	1
uc009ajy.2 E130309D02Rik	-0.10536931	3.9911419	0.459072795	1
uc008gnu.2 Ints5	-0.1053719	4.748788087	0.332125566	1
uc009jdr.1 Rpl27a	-0.1054251	2.961746135	0.516106817	1
uc007dkx.1 Aldh9a1	-0.10545032	6.802287106	0.294726395	1
uc007nui.1 Timm9	-0.10545125	3.097206605	0.519062633	1
uc009ngy.2 Cog8	-0.10556272	5.783525109	0.300033032	1
uc008wvh.1 Ept1	-0.10559883	6.072334623	0.239461211	0.990265182
uc009qfn.1 Lactb	-0.10562906	3.618799937	0.527131991	1
uc007xvd.2 Rarg	-0.10564712	4.148793607	0.509416631	1
uc033jhi.1 Rltpr	-0.10571605	3.76784206	0.441528301	1
uc009nkz.3 Ii34	-0.10572682	4.464710532	0.550323892	1
uc009gff.2 Kmt2b	-0.10578189	6.450055408	0.225884217	0.976944818
uc008egf.2 Mapre2	-0.10584696	5.465834083	0.280476481	1
uc009eyx.1 Zfp628	-0.10587433	4.150742481	0.389597911	1
uc009uav.2 Magee1	-0.10589757	4.232083668	0.397549404	1
uc009una.2 Amot	-0.10592179	4.300394654	0.504574082	1
uc007feh.2 Ascc1	-0.10605963	3.996046497	0.411420007	1
uc007nvz.1 AK035085	-0.10607097	1.947157145	0.67822579	1
uc008deh.2 Gpr108	-0.10607874	6.163179657	0.235493509	0.986821432

uc008mtd.2 Thbd	-0.10611567	7.589484859	0.376255627	1
uc008zsr.1 Ran	-0.10613342	5.634821115	0.331800458	1
uc008qmd.2 Mtmr11	-0.10618118	2.457749828	0.625676815	1
uc009fzr.2 Nfkbib	-0.10618684	4.171866163	0.477321841	1
uc009etk.1 Rps4l	-0.10619149	3.74130986	0.497444496	1
uc008cus.1 Trerf1	-0.10620253	2.006925787	0.800694357	1
uc009ros.2 Apeh	-0.10620312	5.831071156	0.286552298	1
uc009akj.1 Daglb	-0.10624699	5.077215834	0.442726189	1
uc009rdh.1 Nmnat3	-0.10626558	4.46046881	0.399989239	1
uc007pqn.2 Zkscan4	-0.10628794	1.645252264	0.729904598	1
uc007ikv.1 Lcp2	-0.10636051	1.964122098	0.811982397	1
uc008qyj.1 Cyb561d1	-0.10639309	3.818385024	0.438919893	1
uc008isn.1 Edf1	-0.1064375	3.247709517	0.538715919	1
uc008ucs.2 Cdkn2c	-0.10645568	7.315726066	0.537566245	1
uc007hvk.2 Pold2	-0.10652255	3.713287273	0.487431296	1
uc008qhm.3 Pi4kb	-0.10652562	7.045224462	0.237241686	0.990123236
uc008ten.2 Slc31a1	-0.10653225	6.13090513	0.296138721	1
uc009omb.2 1810026J23Rik	-0.10655088	5.913246511	0.243753773	0.995630091
uc009nmq.1 Zfp1	-0.10666988	2.693358715	0.565579071	1
uc009dt.1 Ncapd2	-0.10667117	4.515271387	0.402764274	1
uc008lzj.1 Wdr76	-0.10672579	2.520639081	0.608193692	1
uc007nvu.2 Ppm1a	-0.10677919	8.07331257	0.215752431	0.968387384
uc007ewa.1 Traf3ip2	-0.10678652	2.925135946	0.582607137	1
uc007bjt.2 Atic	-0.10685933	6.07831512	0.297719426	1
uc008vvv.1 Pgd	-0.10688338	7.750555821	0.561254681	1
uc033hly.1 Camsap1	-0.10688497	4.939751089	0.33607253	1
uc007pcg.3 Tecpr2	-0.1069865	5.195255726	0.336115417	1
uc009ijb.1 Kctd21	-0.10702067	5.115594017	0.366241153	1
uc008zqv.2 Ncor2	-0.10720335	6.692298744	0.309300771	1
uc009csc.1 Pcbp1	-0.10722675	6.774466261	0.214129861	0.968295717
uc007jxg.1 Dhx33	-0.10724431	6.21686707	0.229047374	0.981022123
uc009pdn.1 Rps25	-0.10736778	3.142988998	0.516998596	1
uc009dve.2 Ndufa9	-0.10740814	6.402732028	0.26783973	0.99851571
uc008crs.1 Mrps18a	-0.10740914	4.229040403	0.409267744	1
uc012gnz.1 Arhgap42	-0.10746884	4.189809136	0.48941491	1
uc007qhn.1 Kif13a	-0.10751373	6.822253482	0.204790904	0.958525564
uc008znn.2 Bcl7a	-0.10761013	3.284666213	0.501098147	1
uc007nvd.1 L3hypdh	-0.10771121	5.940054076	0.363343544	1
uc008geq.2 Pcnx3	-0.10774218	6.970351554	0.213097358	0.967875584
uc012gqd.1 Dcps	-0.10776138	3.392880663	0.472160691	1

uc007ebi.2 Rps6kc1	-0.10777853	5.128741157	0.258343212	0.995737605
uc008ujg.1 Ipo13	-0.1078352	6.277100981	0.311915947	1
uc007wrk.1 Card10	-0.10784975	5.793833233	0.336431946	1
uc029tig.1 Tommm6os	-0.10787952	4.985188318	0.361388425	1
uc012fms.1 Tm2d3	-0.10790861	3.419158045	0.504354333	1
uc008hwo.1 Mxi1	-0.10794054	4.318388193	0.365021337	1
uc008aqv.2 Zfp51	-0.10795423	2.983875422	0.594015552	1
uc008dyr.2 Svil	-0.10803756	6.928581414	0.274504737	0.998835363
uc007csg.2 Kdm5b	-0.10808302	6.369208579	0.206031148	0.96053742
uc007oyp.2 Atg2b	-0.10808578	6.852015562	0.20826427	0.96053742
uc008gkr.2 Mark2	-0.10810581	6.53191374	0.216393023	0.969299131
uc007ejt.2 Fbxo30	-0.10810633	6.376204714	0.420560265	1
uc008vup.1 Ubiad1	-0.1081448	4.688581577	0.348435451	1
uc009pkc.2 Dixdc1	-0.10820806	4.326898737	0.399260002	1
uc008hmk.1 Rrp12	-0.10821975	4.602478713	0.487028665	1
uc008awe.1 Pgp	-0.10823001	5.351805745	0.385399939	1
uc008yzn.1 Ube3b	-0.10829228	7.608932736	0.219225836	0.969299131
uc011xit.1 Btbd2	-0.1083803	5.764967976	0.271750527	0.998835363
uc008vwd.1 Ube4b	-0.10840091	2.249474371	0.673222914	1
uc007aqi.1 Cnm3	-0.10845548	6.087175625	0.246347574	0.995630091
uc033fip.1 Fer1l5	-0.1085349	6.710123371	0.244423987	0.995630091
uc008dbi.2 Dpp9	-0.10856432	5.620714771	0.248892364	0.995737605
uc008uui.2 Zmym6	-0.10864768	5.082141788	0.272776539	0.998835363
uc007lto.1 Hexim1	-0.10867051	6.344229928	0.343429646	1
uc012auh.1 Tmem63b	-0.1087334	5.557333324	0.336146044	1
uc009qdd.1 Pdcd7	-0.10874268	3.919788119	0.416880626	1
uc007zwm.2 Urb1	-0.1087448	6.295414827	0.347740103	1
uc009afa.2 Mblac1	-0.10877016	2.205280149	0.60623235	1
uc007uhk.1 Neil2	-0.10882203	2.519323921	0.565161234	1
uc007edm.1 Gm10516	-0.10887872	2.659335114	0.561650197	1
uc007rom.1 Utp15	-0.10888018	4.420308345	0.383007938	1
uc008lts.3 Chac1	-0.10891601	5.296048522	0.625613204	1
uc009tng.2 Naa10	-0.10892296	3.788654715	0.460967604	1
uc009ahg.1 Psmg3	-0.10898817	1.880638942	0.628305708	1
uc007ria.1 Mblac2	-0.10899757	4.140701928	0.420899144	1
uc009pkq.1 Fdxacb1	-0.10903245	2.834908263	0.547486064	1
uc007zif.1 Ccdc80	-0.10915511	10.98553779	0.271007832	0.998835363
uc007jho.2 Mapk7	-0.10917374	3.3804218	0.490700328	1
uc008rnr.2 Rap1gds1	-0.10921429	6.374289738	0.215234509	0.968365516
uc009bjf.2 Creb3l2	-0.10927068	5.50187674	0.291961372	1

uc008bqp.2 Rpl10a	-0.10930146	5.268799072	0.273362198	0.998835363
uc008ndu.1 AK202495	-0.10931133	4.103056034	0.464951758	1
uc008bci.2 Wdr90	-0.10937296	6.220998122	0.246212739	0.995630091
uc008rwu.2 Chchd7	-0.10943818	2.525970479	0.574285574	1
uc008zxu.1 Tbl2	-0.10944065	6.341953093	0.299214854	1
uc009ozg.2 Zfp202	-0.10945857	2.742593357	0.558025351	1
uc009tpp.2 Mpp1	-0.10946771	8.119440929	0.452932539	1
uc012dib.1 Cyb5rl	-0.10951777	3.835151748	0.478264119	1
uc008gjq.2 Plcb3	-0.10952331	6.085712435	0.234961562	0.985535754
uc008zfg.3 Suds3	-0.10953957	5.414394394	0.288357835	1
uc009gig.2 Kctd15	-0.10961746	4.84251419	0.448368573	1
uc007ghy.1 Nfic	-0.1096995	7.038264757	0.259979196	0.995737605
uc008bwj.1 Akap8l	-0.10977669	5.134768096	0.260878852	0.995737605
uc007izj.1 Atox1	-0.10978408	4.562490888	0.463010495	1
uc007nwg.1 Trmt5	-0.10983172	4.033516139	0.37497765	1
uc008tac.1 Inip	-0.10985666	2.689833409	0.603924792	1
uc008uqv.2 Fhl3	-0.10986496	3.022203705	0.577023114	1
uc007zap.1 Umps	-0.10989883	4.708994077	0.397548603	1
uc008pwm.1 Synt11	-0.1100394	3.502595664	0.456654823	1
uc057cem.1 BC021503	-0.11006783	2.670542012	0.650372937	1
uc008cqv.2 Nfkbie	-0.11016711	2.529429078	0.764022363	1
uc008mhf.2 Polr1b	-0.11032528	4.478978605	0.339369216	1
uc007hea.1 Dyrk2	-0.1104064	5.516001669	0.262164485	0.995737605
uc011zqg.1 Dock9	-0.1105771	8.540678137	0.36356093	1
uc007kij.2 Tlcd1	-0.11057788	5.595365554	0.303937602	1
uc012ddl.1 Tomm5	-0.11058258	2.67543298	0.537483489	1
uc007mjn.1 Galk1	-0.11059263	3.643446976	0.424635232	1
uc009suc.2 Elk1	-0.11060059	4.607836799	0.316940489	1
uc007nky.2 Ifrd1	-0.11060909	10.08155017	0.50319488	1
uc007amj.2 Sdhaf4	-0.11075859	3.070758598	0.518079276	1
uc007ghm.2 Hmg20b	-0.11077162	3.485090737	0.47829621	1
uc007mue.2 Lrrc45	-0.11080754	3.016707968	0.507589071	1
uc008ohw.1 Taf4	-0.11081096	5.557342879	0.261736664	0.995737605
uc009fqw.2 Arhgef1	-0.11081188	6.395609812	0.226196476	0.977511576
uc007ztj.1 Gabpa	-0.11084014	5.289096482	0.329653052	1
uc007xgg.3 Ncaph2	-0.11085156	6.105000904	0.209598526	0.962214767
uc008hmz.1 Ubtd1	-0.11088469	4.121700116	0.476827185	1
uc033jgc.1 Unc13a	-0.11088983	2.101320408	0.611850608	1
uc008qft.1 Them4	-0.11090176	3.223267554	0.518495217	1
uc008qab.2 4632404H12Rik	-0.11093106	2.503458778	0.593042371	1

uc033jek.1 Pcid2	-0.11095683	4.807316363	0.33770383	1
uc007jwc.2 Camta2	-0.11098349	6.025124416	0.265805454	0.99851571
uc008wrh.1 Abcb8	-0.11101325	6.197178423	0.303130882	1
uc009rab.1 Adamts7	-0.11102122	1.744378881	0.676302716	1
uc007kwu.2 Stxbp4	-0.11103467	3.6848562	0.444691539	1
uc007mek.2 Slc39a11	-0.11109365	4.46408745	0.380985037	1
uc008dbv.2 Kdm4b	-0.11121284	6.389424535	0.202394749	0.955905202
uc008hqh.1 Peo1	-0.111275	3.258347085	0.508001651	1
uc007jtn.1 Dvl2	-0.11128599	7.971446851	0.247166215	0.995737605
uc009ala.1 Pms2	-0.11133189	2.811230412	0.527532533	1
uc007vlu.2 Pop1	-0.11138538	2.662635903	0.558230514	1
uc007xxc.1 Hoxc6	-0.11151948	4.045305637	0.515738341	1
uc009ial.2 Rccd1	-0.11155601	2.84751173	0.56236344	1
uc057apv.1 Alas1	-0.11159705	9.157033557	0.399729018	1
uc007plk.1 Heatr1	-0.1116318	5.315651703	0.368564894	1
uc008tim.2 C630043F03Rik	-0.11166103	1.799067335	0.632013315	1
uc007asj.1 Mrpl30	-0.11167511	5.177125466	0.293484095	1
uc008fyy.1 Coro1b	-0.11168444	7.990648905	0.258951713	0.995737605
uc009ezc.1 Zfp579	-0.11173438	2.890928749	0.525433596	1
uc008zhj.2 Slc8b1	-0.11174678	6.076930455	0.422112569	1
uc007bcm.3 Als2cr12	-0.11177978	2.746121501	0.639241472	1
uc008dpz.1 Rmdn2	-0.1117929	3.506600364	0.473908433	1
uc007wtj.1 Tmem184b	-0.11181135	6.516457713	0.209120801	0.962214767
uc008mke.2 Gfra4	-0.11198922	2.782501487	0.577582791	1
uc056ytf.1 4930586N03Rik	-0.11205533	3.933048266	0.444076277	1
uc011zyr.1 Asb8	-0.11210642	4.803094087	0.345054705	1
uc008dcm.1 2410015M20Rik	-0.11213498	4.40236591	0.406987655	1
uc007fqb.2 Bcr	-0.11217054	6.51317637	0.209758841	0.962214767
uc007lnc.2 Coasy	-0.1122849	6.383920629	0.369575096	1
uc007pcl.2 Traf3	-0.11231173	4.769210521	0.380270762	1
uc009ahs.2 Chst12	-0.11236077	5.029598495	0.374929138	1
uc008mfk.2 Fahd2a	-0.11246586	4.309212487	0.319238935	1
uc009sut.2 Klhl13	-0.11275919	5.591815568	0.431350617	1
uc009lgy.1 Bag4	-0.11277659	7.435370709	0.274198871	0.998835363
uc007vxq.1 Sqle	-0.11285586	3.275875341	0.520766161	1
uc007jsw.1 Ybx2	-0.11293138	2.639380819	0.571228631	1
uc008ocp.1 Cstf1	-0.11297538	4.718032206	0.298971133	1
uc008yqd.1 Golga3	-0.11299825	5.802339093	0.235097475	0.985535754
uc056zqv.1 Elmo2	-0.11301843	5.370287817	0.363823713	1
uc009mnr.2 Farsa	-0.11313678	4.494113528	0.31348255	1

uc008uxm.2 Eif3i	-0.11327154	5.944540103	0.215575118	0.968365516
uc008vol.2 Zbtb17	-0.11332249	3.726300253	0.41088612	1
uc007jvr.2 Slc25a11	-0.11333309	6.479357568	0.223512387	0.974788211
uc008stu.1 Nans	-0.11341277	3.245931061	0.48753862	1
uc007grl.1 Gnptab	-0.11345067	7.032825851	0.342491931	1
uc009puz.1 Cox5a	-0.11351645	5.810252478	0.293752347	1
uc012cao.2 Cd59a	-0.11353673	4.944160888	0.426441061	1
uc008jto.2 Wdsub1	-0.11356531	5.095518769	0.24412332	0.995630091
uc008ssk.1 Exosc3	-0.11365476	1.926118817	0.589922425	1
uc008uwk.3 Yars	-0.11366831	5.458655387	0.273801435	0.998835363
uc007vhs.1 AK159017	-0.11373941	3.773296866	0.632026114	1
uc008qkq.2 Tars2	-0.11386932	5.244331161	0.272027256	0.998835363
uc008htu.1 Sfxn2	-0.11394607	4.85519541	0.287495305	1
uc007vti.1 Wdyhv1	-0.11395406	2.403448789	0.569548716	1
uc007dmz.2 Fcgr3	-0.11397059	2.46835876	0.8046776	1
uc009phi.1 Bud13	-0.11404521	2.515532483	0.536888315	1
uc056ytx.1 AK143659	-0.11405642	2.564798815	0.544684024	1
uc007pck.1 Rcor1	-0.11408617	5.048402165	0.318727675	1
uc007wls.2 Gpt	-0.11418545	7.30738088	0.360735411	1
uc009kla.2 Slc25a22	-0.11423336	7.03265509	0.318388202	1
uc008rfh.1 Sec24d	-0.11429558	6.681361739	0.299537267	1
uc009aaq.2 Cux1	-0.11430156	6.748785038	0.186591603	0.930632426
uc008zqd.2 Eif2b1	-0.11430904	5.298963339	0.236342404	0.988866379
uc009tss.2 Pola1	-0.11441512	4.018969298	0.403426929	1
uc009rca.1 Gk5	-0.11448212	3.826131287	0.43838043	1
uc007mdm.1 Abca5	-0.11449054	5.183168566	0.292177773	1
uc008brp.1 Brpf3	-0.11453953	6.941690403	0.208210417	0.96053742
uc007kcz.1 Smg6	-0.11457807	6.352986295	0.204750927	0.958525564
uc009btv.2 Zfp746	-0.11458041	4.629329437	0.336969682	1
uc009gze.2 Hps5	-0.11466895	6.336850665	0.181747543	0.929759137
uc007cef.1 Thap4	-0.1147687	4.107426124	0.375348185	1
uc009jtm.1 Kctd13	-0.11481968	3.271764529	0.490822822	1
uc012ccp.1 Ppip5k1	-0.11497564	7.990934931	0.255832629	0.995737605
uc009gtj.2 Rpl13a	-0.11498287	5.193961764	0.285217634	1
uc008jfp.2 Slc25a25	-0.11502021	8.39599024	0.435632555	1
uc008gnm.1 Lrrn4cl	-0.11504102	2.495017227	0.631233007	1
uc008rdz.2 Slc44a3	-0.11506539	6.039467183	0.248230763	0.995737605
uc007nyf.1 Hspa2	-0.11508264	4.575550373	0.500389631	1
uc007uik.1 Msra	-0.11513122	5.715906105	0.245625144	0.995630091
uc007baj.1 Mars2	-0.11515061	3.751673257	0.465048724	1

uc008pcn.1 Sclt1	-0.11519317	3.001395633	0.475687498	1
uc008vzk.1 Slc2a5	-0.11521722	1.115066197	0.834208943	1
uc007wye.1 Cc dc134	-0.11523796	2.738061789	0.541078186	1
uc007flz.2 Ado	-0.1153345	5.422153681	0.256342013	0.995737605
uc009fzh.1 Pak4	-0.11534188	3.782928708	0.41088658	1
uc007aqq.2 Cnm4	-0.11538248	3.922764345	0.44165708	1
uc012ebb.1 Fbrs1	-0.11540426	5.0307557	0.250664666	0.995737605
uc007lug.1 Plek hm1	-0.11542088	7.31612342	0.246060018	0.995630091
uc008ssc.2 Zbtb5	-0.11542247	6.055184991	0.366413014	1
uc007rtm.2 Srek1ip1	-0.11550349	4.417261397	0.365253547	1
uc007nfs.2 Rps7	-0.11550356	3.808704118	0.423947577	1
uc008gxp.3 Pcsk5	-0.11550843	7.012014025	0.38807806	1
uc008qyg.2 Strip1	-0.11551052	5.004606711	0.264594221	0.99851571
uc009nio.1 Dhodh	-0.11552009	4.545222937	0.39797301	1
uc008sun.2 Tgfbr1	-0.1155559	6.579341909	0.168025791	0.908288449
uc008vim.3 Ephb2	-0.11555997	4.566425438	0.541880182	1
uc009pxk.1 Neo1	-0.1155634	6.654925504	0.158864915	0.890320572
uc007nft.2 Rnaseh1	-0.11561299	2.067023068	0.582093759	1
uc009qnf.1 Ice2	-0.11563254	4.752512764	0.353739108	1
uc007hae.2 Nap1l1	-0.11565683	6.408551462	0.25647842	0.995737605
uc029vbh.1 Noc2l	-0.11565932	5.488229075	0.222883641	0.973881604
uc009adm.2 Agfg2	-0.11566174	5.718989765	0.352661738	1
uc009nlo.2 Aars	-0.1157597	6.617774308	0.232802351	0.981022123
uc009jtb.1 Doc2a	-0.11576358	3.371788135	0.426283109	1
uc008pnt.2 Etf dh	-0.11576546	7.010764096	0.263954193	0.997473088
uc007cir.1 Inhbb	-0.11578149	5.881995176	0.348771957	1
uc008mnk.1 Crls1	-0.11579597	6.215598125	0.26259827	0.995737605
uc008zpc.3 Pitpnm2	-0.11580572	7.427215611	0.270383384	0.998835363
uc008vcd.1 Ahdc1	-0.11589159	4.909970546	0.388112787	1
uc007fga.1 Eif4ebp2	-0.11598649	6.830076112	0.16694122	0.905719403
uc008qhf.1 Selenbp1	-0.11604029	5.640020825	0.350024544	1
uc008gib.2 Men1	-0.11610427	4.936084335	0.255142605	0.995737605
uc008qjy.2 Ctsk	-0.11610926	1.966961917	0.722207991	1
uc009gqr.1 Vrk3	-0.11613142	3.911213646	0.422957497	1
uc009ezg.2 Fiz1	-0.11614651	4.641056163	0.289110565	1
uc012cha.2 Map1lc3a	-0.11623698	6.787262274	0.215659892	0.968365516
uc008csf.2 Tjap1	-0.11630186	3.785044773	0.391684645	1
uc007ugx.2 Wdfy2	-0.11630227	5.011372478	0.322513502	1
uc007qvm.2 Dapk1	-0.11634417	7.406231914	0.437089909	1
uc009sar.1 Myd88	-0.11642032	6.019567083	0.402989415	1

uc009qek.1 Snx1	-0.11656909	5.522883796	0.219643847	0.969299131
uc007itm.1 Zfp354a	-0.11671771	2.588058912	0.566392433	1
uc012gnk.1 Alkbh8	-0.11673636	4.018097949	0.334424992	1
uc009aie.2 Brat1	-0.11680887	5.375889901	0.295574216	1
uc008ptb.2 Prcc	-0.11681178	4.532098786	0.341283314	1
uc009kqa.2 Nadsyn1	-0.11685374	2.839694388	0.510063549	1
uc009nud.1 Spg7	-0.11687695	6.191296305	0.221739907	0.971189141
uc007zwt.2 1110004E09Rik	-0.11691524	2.339828677	0.566166148	1
uc009iyy.1 mFLJ00251	-0.11693713	3.855728067	0.395340754	1
uc007xhs.3 Kif21a	-0.11696738	5.368952149	0.253281764	0.995737605
uc008dfg.2 Efna5	-0.1169684	6.442231313	0.218170574	0.969299131
uc007cbu.1 Dusp28	-0.11698674	3.106912958	0.486699842	1
uc008xoa.1 N4bp2	-0.11707305	4.339490146	0.33305921	1
uc008vna.2 Rcc2	-0.11712296	5.779712082	0.205909708	0.96053742
uc007jny.1 Myh10	-0.11718173	7.026290607	0.231825068	0.981022123
uc007wtm.1 Csnk1e	-0.11725867	5.759018447	0.23264679	0.981022123
uc008pyl.2 Krtcap2	-0.11731612	3.411870313	0.433632603	1
uc007ftw.2 Zfp280b	-0.11732202	4.676694035	0.357050874	1
uc008hle.1 AK216824	-0.11739367	2.857223087	0.555432837	1
uc007oha.2 Fos	-0.11740388	10.39763026	0.330207284	1
uc008lto.2 Vps18	-0.11743528	5.145916811	0.246717805	0.995705107
uc008jhf.1 Slc2a8	-0.11745381	4.986789963	0.290405067	1
uc007kon.1 Pex12	-0.11745867	4.232456689	0.376052134	1
uc007hhv.2 Cdk4	-0.11748967	4.968771722	0.272606515	0.998835363
uc009jsp.1 Ypel3	-0.11752415	5.922789531	0.301660638	1
uc008ctj.1 Klc4	-0.11755017	3.934426605	0.400887312	1
uc007ukw.2 Ebf2	-0.11767467	6.310151867	0.258405152	0.995737605
uc008ujr.3 Hyi	-0.11771829	2.248172741	0.568100538	1
uc008urx.2 Zc3h12a	-0.11778153	5.1148747	0.465786343	1
uc008mjl.3 Fastkd5	-0.11802257	4.80195237	0.262596701	0.995737605
uc057and.1 Nudt7	-0.11803696	5.900442087	0.342895179	1
uc009ofl.1 Med17	-0.11807193	4.471717999	0.30197068	1
uc007x zr.2 Adcy9	-0.11811134	6.10172931	0.253699344	0.995737605
uc008tzt.1 Ndc1	-0.11814464	5.480008858	0.308752199	1
uc007lri.2 Ubtf	-0.11815174	6.126810063	0.163673653	0.903517829
uc007src.1 Rps24	-0.11823356	4.130652392	0.463163169	1
uc012dbj.2 Pm20d2	-0.11823964	4.977976367	0.341237786	1
uc009nnp.1 Mlycd	-0.11834431	5.971506323	0.281884237	1
uc007kgo.2 Ssh2	-0.11835389	8.005709641	0.375480668	1
uc008qkm.2 Adamtsl4	-0.11837709	5.586043375	0.366559674	1

uc012gcj.2 Dlc1	-0.1183793	10.21550128	0.292163382	1
uc057bfv.1 AK032000	-0.11838196	1.753302931	0.662342072	1
uc007jsn.3 Neur14	-0.11843032	6.229263619	0.225230248	0.976458113
uc011zvj.1 Xpnpep3	-0.11852559	6.007991213	0.235891335	0.987364793
uc007ger.1 Plekhj1	-0.11863932	3.36255557	0.425138751	1
uc009lxt.1 Gmip	-0.11867151	3.359290004	0.593922636	1
uc008vxp.2 Eno1	-0.11873621	6.415200764	0.340044077	1
uc008rck.1 Trmt13	-0.11881219	3.302141131	0.531910691	1
uc007qfk.1 Hivep1	-0.11882101	6.363585482	0.246853094	0.995737605
uc009otc.1 Rpusd4	-0.11884324	3.344972839	0.416786638	1
uc007nas.1 Kcns3	-0.11886337	6.375479264	0.232521461	0.981022123
uc007kxn.2 Mbtd1	-0.1189008	5.973261945	0.257477492	0.995737605
uc008fxw.2 Aldh3b2	-0.11892554	4.815732071	0.521169982	1
uc011yqq.1 Gm20604	-0.1189913	3.981622734	0.343195419	1
uc009rmd.1 lfrd2	-0.1189965	4.951103594	0.269880306	0.998835363
uc008qlz.1 Vps45	-0.11903858	4.309146402	0.310448022	1
uc009nxw.1 Exoc8	-0.11904064	6.280169514	0.216856378	0.969299131
uc008kas.1 Metap1d	-0.11909091	4.180644231	0.358627646	1
uc009nlp.2 Exosc6	-0.11910266	1.846374982	0.613394741	1
uc008beb.2 Luc7l	-0.11918539	5.562552768	0.281450531	1
uc008lgf.2 Ext2	-0.11922458	6.556698739	0.130145368	0.839096931
uc029tav.1 Gm4944	-0.11923244	3.253399171	0.571928677	1
uc009nxi.1 Ttc13	-0.1192519	5.817483507	0.23457387	0.98483579
uc009rov.1 Bsn	-0.11931184	2.259062494	0.63384204	1
uc008her.1 Cstf2t	-0.11945204	5.467200328	0.300692651	1
uc012cbk.2 Inafm2	-0.11948443	5.813224786	0.224707112	0.974907602
uc007mly.2 1810032O08Rik	-0.11953352	1.985755301	0.609105448	1
uc008nsr.1 Oser1	-0.11955578	2.569804675	0.532279617	1
uc008gkg.2 Macrocl1	-0.11956824	4.058198934	0.402737962	1
uc008bbq.2 Narfl	-0.11963162	4.395180911	0.306497312	1
uc008vmc.2 Akr7a5	-0.11963789	4.762304219	0.298107676	1
uc009crp.2 Tia1	-0.11968431	4.633390524	0.326483085	1
uc009gnd.2 Zfp719	-0.11980093	3.264596193	0.527692507	1
uc007vsp.1 Zhx2	-0.11987904	6.012349531	0.178001421	0.925234775
uc008cea.1 Zbtb12	-0.11997094	2.751002213	0.514055111	1
uc007yct.1 Carhsp1	-0.11999185	7.706215977	0.184744834	0.930625075
uc009rua.1 Klhl18	-0.12013506	4.615116818	0.276173905	1
uc007hbe.1 Thap2	-0.12013667	4.714484559	0.29821927	1
uc009lhb.1 Star	-0.12014724	2.086713854	0.588713123	1
uc007yht.1 Prkdc	-0.12018111	7.078023572	0.174494168	0.922282106

uc008xbs.1 Nat8l	-0.12019431	8.644376115	0.369320549	1
uc009dgu.1 Emc3	-0.12031737	6.540629889	0.257953964	0.995737605
uc009foz.2 Zfp111	-0.1204872	3.04578035	0.572490525	1
uc007aup.1 Mfsd9	-0.12050436	2.680690972	0.63560426	1
uc007fgh.2 Tysnd1	-0.12059755	6.314693252	0.301188995	1
uc008ixt.2 Col5a1	-0.12059995	7.31353089	0.444862339	1
uc008kvp.3 Pacsin3	-0.12063962	3.260610412	0.466662513	1
uc007hmk.1 Coq10a	-0.12070062	4.67793286	0.285857434	1
uc007nwd.1 Mnat1	-0.12072684	3.276429637	0.437028723	1
uc007cxa.1 Glxr2	-0.12073759	4.67825712	0.273975909	0.998835363
uc008jcn.2 Ppp2r4	-0.12075881	7.617487262	0.221520795	0.970732218
uc008ysy.1 Tfip11	-0.12079031	5.215510248	0.219211406	0.969299131
uc008oza.1 Mccc1os	-0.1208204	8.149088373	0.262327905	0.995737605
uc008eol.1 Wdr55	-0.12083051	3.054619644	0.446045319	1
uc009dgo.1 Creld1	-0.12087662	6.544590667	0.282000435	1
uc009euu.1 Cacng7	-0.12090976	3.755199088	0.400323091	1
uc007eqc.2 Vnn1	-0.12092716	6.016483683	0.637398199	1
uc007zdc.1 AK089379	-0.12093664	5.215741043	0.366582747	1
uc009ktf.1 AK009699	-0.12099942	4.619599247	0.262589256	0.995737605
uc008beg.1 Ergic1	-0.12104699	6.552132996	0.245584433	0.995630091
uc012edm.1 Ddx55	-0.12105592	2.923081882	0.454949153	1
uc008wex.1 Ccnl2	-0.12114764	8.005749371	0.251776559	0.995737605
uc011wnt.1 BC035947	-0.12116437	5.678603833	0.239832717	0.990869092
uc009nrx.1 AK148282	-0.12117954	8.862405378	0.229914842	0.981022123
uc009rst.1 Nme6	-0.12123016	1.924806842	0.608037972	1
uc007gef.3 Mknk2	-0.12130771	10.13491423	0.204290871	0.957402189
uc008vpd.1 Ddi2	-0.12142864	6.35000982	0.259530227	0.995737605
uc009mrh.2 Adcy7	-0.12146444	3.660515681	0.803381314	1
uc007rym.2 Emb	-0.12146943	3.961111309	0.679689165	1
uc008zms.3 Kdm2b	-0.12151182	4.183552817	0.317881673	1
uc008zto.1 Zbed5	-0.12155176	4.88899388	0.332888314	1
uc007lgd.2 Stard3	-0.12155891	4.266152969	0.328239538	1
uc008vnl.1 Sdhb	-0.12158899	7.454937553	0.211541172	0.964695469
uc012buu.1 Nr6a1	-0.12159808	3.012536899	0.498512422	1
uc009ntj.2 Trappc2l	-0.12160982	4.636966858	0.256659521	0.995737605
uc007hvl.1 Thoc5	-0.12162327	4.634958771	0.291360174	1
uc008sqz.1 Hint2	-0.12163758	4.908779929	0.324957574	1
uc009fas.2 Zfp444	-0.12169897	2.626853086	0.510964426	1
uc007gwc.1 Cradd	-0.12170258	3.132892076	0.465044711	1
uc009fic.1 Fkrp	-0.12174415	4.959454818	0.211624695	0.964695469

uc009mem.2 Jak3	-0.12175866	6.57662966	0.16622056	0.905361099
uc008fvq.1 Socs6	-0.12181191	5.294399445	0.229651304	0.981022123
uc009kjq.1 Ptdss2	-0.12181629	5.907587789	0.230400348	0.981022123
uc009ahx.1 Iqce	-0.12182821	3.421707978	0.421432327	1
uc008ffa.1 Malt1	-0.12187545	5.186898002	0.353920074	1
uc007ldn.2 Ospl7	-0.12191477	2.811642389	0.479559418	1
uc008pjp.2 Mme	-0.12210741	8.473258531	0.215596864	0.968365516
uc009afo.2 Zfp157	-0.12211593	3.289415425	0.546244312	1
uc008gke.2 Stip1	-0.12217147	5.275553279	0.217851631	0.969299131
uc007ezx.1 Prep	-0.1222524	5.17387488	0.217899102	0.969299131
uc008hrk.1 Npm3	-0.12235819	2.626652236	0.514796951	1
uc009fqr.1 Rps19	-0.12253499	4.732828524	0.288580223	1
uc009mmr.2 Ier2	-0.12263245	7.971182569	0.3097754	1
uc009kau.2 Htra1	-0.12282636	7.11030023	0.29048745	1
uc008wrq.2 Nos3	-0.1228572	7.210986157	0.362081212	1
uc029uhr.1 Eif6	-0.12286752	5.230759283	0.255934241	0.995737605
uc009iaz.1 Crtc3	-0.12288158	5.208389779	0.280123826	1
uc007kgh.2 Nsrp1	-0.12290304	1.798095984	0.611458984	1
uc009eyc.1 Hspbp1	-0.12291951	4.205379861	0.366385507	1
uc009mpk.1 Man2b1	-0.12291985	6.712883576	0.285185261	1
uc008ugp.1 lpp	-0.12291995	4.07865224	0.375365723	1
uc007odg.1 Zfyve1	-0.12293502	5.930471723	0.190907976	0.937647624
uc008dvb.1 Msh2	-0.12294217	4.122256471	0.356019058	1
uc009uzc.1 Kdm5d	-0.12304007	5.152612778	0.237999685	0.990160092
uc009fvk.1 ltpkc	-0.12304189	4.904889933	0.406315182	1
uc007gcj.2 Gamt	-0.12308733	3.472134887	0.539884501	1
uc057aud.1 Tceb1	-0.12314445	5.268508756	0.20208419	0.955905202
uc007iyu.1 Cccl69	-0.12315414	4.202022068	0.405547922	1
uc008fpt.1 Acaa2	-0.12318169	6.763812419	0.263513269	0.997473088
uc029xhe.1 AK054122	-0.12331867	2.745418271	0.483961055	1
uc009ciw.2 Elmod3	-0.12333918	6.146927994	0.194125727	0.943384416
uc008tuo.2 Dock7	-0.12335834	6.595064899	0.158648222	0.890009273
uc009jyk.1 Armc5	-0.12349175	5.421476778	0.207627192	0.96053742
uc007gak.2 Med16	-0.12362047	5.922290793	0.287756555	1
uc008nge.1 Mcts2	-0.12368025	2.276062421	0.555060825	1
uc009gjl.2 Cebpa	-0.12381949	10.01139857	0.213609671	0.968053928
uc009nzt.2 Nrp1	-0.12384558	8.730575346	0.175876175	0.922282106
uc007leq.1 Pip4k2b	-0.12388252	5.442189127	0.204044234	0.957402189
uc008hgu.1 Slc16a12	-0.1238845	5.197837008	0.510993649	1
uc008mtg.2 Gzf1	-0.12390229	7.174367669	0.19631448	0.948796

uc009lzu.1 Ddx49	-0.12393578	4.94896959	0.21667868	0.969299131
uc009fsj.2 Megf8	-0.12396137	7.57136432	0.157753619	0.88809429
uc012bwx.2 Mettl8	-0.12397779	3.386711986	0.40790485	1
uc009nhr.1 Nob1	-0.12397973	3.292183277	0.453407615	1
uc007rfh.1 Zfp825	-0.12405075	1.685392623	0.622967285	1
uc007xjw.1 AK077350	-0.12406093	1.509275125	0.749270854	1
uc057bdm.1 Mtrr	-0.12414685	4.152538731	0.324143139	1
uc007mmp.1 Mfsd11	-0.12426131	4.691461209	0.307743785	1
uc009gab.1 Ech1	-0.12431784	8.109647842	0.182480771	0.929759137
uc009nve.2 Fanca	-0.12435795	3.748985504	0.367786697	1
uc008wyj.2 Supt7l	-0.12435943	4.301085926	0.312713803	1
uc007fhd.1 Supv3l1	-0.12444723	4.759651478	0.253583569	0.995737605
uc011yze.2 Ippk	-0.12447607	4.300082564	0.350615575	1
uc009scc.1 Slc25a38	-0.12459317	4.603254824	0.294868188	1
uc008fuf.2 Zfp516	-0.12463213	5.947054064	0.166716054	0.905719403
uc007yda.2 1810013L24Rik	-0.1246769	7.563752727	0.203291258	0.955905202
uc008ccz.2 Agpat1	-0.12468107	6.400638414	0.229743491	0.981022123
uc007gfm.1 Gng7	-0.12472461	4.082021006	0.35595847	1
uc007mld.2 Prpsap1	-0.12472696	5.255486777	0.182465477	0.929759137
uc007xbf.1 Mcat	-0.12476073	5.195240425	0.290846809	1
uc008qjl.2 Setdb1	-0.12484949	5.350691545	0.167917625	0.908288449
uc009ofj.2 Heph1l	-0.1249848	1.789048878	0.796899525	1
uc008fvj.1 Rttm	-0.12498573	4.27881978	0.363962859	1
uc012ajc.1 Prdm15	-0.12505315	3.875831303	0.375519635	1
uc007mix.2 Recql5	-0.12506944	4.771742273	0.234876112	0.985535754
uc008iez.2 Bend7	-0.12507037	1.937907172	0.584413173	1
uc007gro.2 Ddx41	-0.12508394	4.257656651	0.326390661	1
uc009grv.1 Ap2a1	-0.12508565	6.679250025	0.166219572	0.905361099
uc057cgl.1 Tlr8	-0.12518161	3.273061346	0.822367184	1
uc009fth.2 Bckdha	-0.12527852	7.949082518	0.217641577	0.969299131
uc008arb.1 Zfp52	-0.12530276	2.179244836	0.573775779	1
uc009pui.1 Neil1	-0.12542944	3.244155177	0.409777186	1
uc008zso.3 Stx2	-0.12553045	5.008046903	0.353475333	1
uc008qlq.2 Aph1a	-0.12556936	3.335233703	0.415165095	1
uc007lwj.1 Kansl1	-0.12560539	7.182705299	0.143586484	0.855478051
uc009lwx.2 Atp6v1b2	-0.12562694	7.509885024	0.190899923	0.937647624
uc009fej.2 Zfp110	-0.12567356	5.940689191	0.233399071	0.981022123
uc009nzi.2 Pard3	-0.12567621	6.045259298	0.189841886	0.936250734
uc008jcb.1 Nup188	-0.12577077	7.008200547	0.14235068	0.854711616
uc012bgq.1 Peli3	-0.12579336	3.748446589	0.397045722	1

uc009gcn.2 Zfp383	-0.12586308	2.776524768	0.543361644	1
uc007xve.1 Mfsd5	-0.12589951	5.624302712	0.270298981	0.998835363
uc008qzx.1 Prpf38b	-0.12595985	5.450136301	0.253772733	0.995737605
uc007fyo.2 2610008E11Rik	-0.12597811	4.910876438	0.423793998	1
uc008zpg.2 Mphosph9	-0.12597899	3.713340573	0.370609187	1
uc007gkq.1 Ckap4	-0.12606893	3.115422115	0.648420314	1
uc007gkx.2 Ric8b	-0.12608512	5.417033335	0.232954409	0.981022123
uc008jbv.3 Phyhd1	-0.12612058	5.564574062	0.191452888	0.937821995
uc007ykc.2 Sdf2l1	-0.12613852	1.961923332	0.632193975	1
uc012gfl.1 Map1s	-0.1262161	4.884379756	0.268102092	0.998835363
uc008ope.2 Pag1	-0.12622705	6.303973864	0.27732211	1
uc009avm.2 Col1a2	-0.12626108	7.33413437	0.472067266	1
uc008cqx.1 Slc35b2	-0.12626654	5.648959542	0.21438197	0.968295717
uc011xre.1 Urgcp	-0.12633173	6.716071075	0.13964554	0.851834194
uc009fhh.1 Dhx34	-0.12633351	4.924269365	0.276592147	1
uc007mjp.2 Unk	-0.12636062	4.405945245	0.269471507	0.998835363
uc008gpj.2 Tmem258	-0.12653403	2.523909902	0.519541464	1
uc007iud.1 Rmnd5b	-0.12654179	4.089167606	0.349752666	1
uc011wos.1 Dgkd	-0.12655977	9.048003838	0.190116819	0.936577462
uc007bpi.2 Chpf	-0.1266484	5.765877357	0.175096447	0.922282106
uc007xyh.2 Pde1b	-0.12666925	4.347752808	0.330081344	1
uc011you.2 Elmsan1	-0.1266807	6.819620236	0.285639925	1
uc008vpf.1 Dnajc16	-0.12670203	5.007859999	0.281211367	1
uc007yby.2 Alg1	-0.12673136	5.408939539	0.205567498	0.96053044
uc009nmu.2 Bcar1	-0.12676313	5.821960648	0.27270795	0.998835363
uc012dnd.1 Pithd1	-0.12681048	4.667306148	0.262495156	0.995737605
uc008jcl.1 Crat	-0.12687139	8.981660728	0.215171683	0.968365516
uc009avc.2 Vps50	-0.1269181	2.362735404	0.517102507	1
uc009nqu.2 6430548M08Rik	-0.1269842	3.637513683	0.438050477	1
uc007bbl.1 Aox1	-0.12707266	7.999930449	0.392187181	1
uc009lxp.1 Zfp963	-0.1270933	1.911328361	0.651653998	1
uc008wrm.2 Slc4a2	-0.12719125	6.65461007	0.113738479	0.792351689
uc008imj.2 Otud1	-0.12719967	3.923824029	0.40482649	1
uc007zsp.2 Btg3	-0.12729401	2.47586293	0.531982748	1
uc007xoa.1 Prkag1	-0.12734259	5.530680776	0.206616803	0.96053742
uc009lqw.2 Stox2	-0.12755952	5.770878487	0.23794643	0.990160092
uc008spx.1 Rmrp	-0.12756869	8.031823057	0.388076591	1
uc033inn.1 Tnrc18	-0.12761438	6.619779435	0.26044767	0.995737605
uc007puo.2 Hist1h4c	-0.12767354	2.799746231	0.497757461	1
uc009lgv.2 Ddhd2	-0.12769839	7.813761145	0.203233192	0.955905202

uc007ncp.1 Pdia6	-0.12772515	6.949371015	0.125517866	0.826263618
uc008zta.1 Zfp11	-0.12773215	2.353139157	0.575739379	1
uc008pye.2 Mtx1	-0.12778102	4.643471593	0.231563848	0.981022123
uc007lfj.2 Rpl19	-0.12799159	3.262480673	0.407839454	1
uc008jau.1 Wdr34	-0.12799517	3.820176818	0.37675837	1
uc008keu.1 Ttc30b	-0.12800392	3.900023805	0.367867266	1
uc011yxk.2 Lrrc16a	-0.12814938	3.469502339	0.489022905	1
uc007whs.1 Tsta3	-0.12820389	4.424344856	0.271948799	0.998835363
uc007ksy.1 Ptrh2	-0.12850524	4.080760061	0.310887334	1
uc009pci.2 Nlrx1	-0.12850605	5.455863229	0.256887065	0.995737605
uc009qyl.2 Snx14	-0.12852337	5.823537089	0.130354004	0.839096931
uc011wnp.1 Dnpep	-0.12853655	6.183973336	0.241162308	0.992503301
uc007jaz.2 Zfp672	-0.12855164	4.943520867	0.275118842	0.999357935
uc007jdd.2 Iba57	-0.12861074	4.201531775	0.321225091	1
uc009gcd.2 Zfp790	-0.12863599	4.324550175	0.332398756	1
uc012ddk.2 Polr1e	-0.12864537	2.35732658	0.537130856	1
uc007ftc.1 Mif	-0.1287695	1.900600051	0.584071307	1
uc008mcs.1 Cep152	-0.12881469	2.680541853	0.522628781	1
uc007pzt.2 Wrnip1	-0.12884512	4.829348285	0.252881276	0.995737605
uc007sjm.1 AK041570	-0.12889458	4.86017366	0.218186594	0.969299131
uc007ynj.1 Tango2	-0.12893678	3.734876461	0.427829988	1
uc008all.2 Tcp1	-0.12895175	7.466736962	0.14742379	0.867095157
uc012dlx.1 Laptm5	-0.12898372	4.169762135	0.786207082	1
uc029una.1 Gon4l	-0.12907713	5.792041465	0.151108301	0.874354268
uc008fzu.2 Adrbk1	-0.12924742	6.181332343	0.136894486	0.850777789
uc008zjt.2 Aldh2	-0.12938298	9.55158788	0.195255198	0.945636923
uc033ixk.1 Zfp180	-0.12947713	4.806253541	0.267785242	0.99851571
uc007oiy.1 Alkbh1	-0.12958943	3.360477815	0.443312346	1
uc008iqw.2 Ndor1	-0.12959504	4.781827627	0.206827277	0.96053742
uc009kzv.1 Agpat5	-0.12980168	4.651115228	0.255979609	0.995737605
uc007bqy.1 Mrpl44	-0.12985717	4.164225197	0.379848189	1
uc012fpg.1 Usp35	-0.129941	6.226393989	0.27188915	0.998835363
uc033fki.1 Mroh2a	-0.12994515	5.348966395	0.212143555	0.965870918
uc009jwy.1 Stx4a	-0.13002221	4.317230875	0.289439993	1
uc008pkb.1 E130311K13Rik	-0.13006569	2.960141144	0.51106267	1
uc007lhy.1 Rara	-0.13008806	4.143297687	0.373177897	1
uc007hhn.1 Tsfm	-0.13009028	4.159457782	0.324374561	1
uc009edr.1 Fkbp4	-0.13010423	5.651150278	0.196477825	0.948796
uc008fma.1 B430212C06Rik	-0.13011331	1.862939223	0.648052515	1
uc008adn.1 Ripk4	-0.1302119	3.425789753	0.721918391	1

uc009nek.2 Edc4	-0.13022761	5.787869978	0.151788525	0.875538409
uc011yop.1 Dcaf4	-0.13039942	4.300692849	0.303017909	1
uc009llx.2 Al429214	-0.13042829	1.822811092	0.611476247	1
uc012dpx.2 Per3	-0.13051661	7.715796444	0.347960757	1
uc009mhr.3 Tmem184c	-0.13058413	5.646839307	0.15837406	0.888922697
uc009gxx.2 Grwd1	-0.13064819	3.514959216	0.392032544	1
uc009mxd.1 Coq9	-0.13064821	6.80172178	0.219876165	0.969299131
uc009tnj.2 Renbp	-0.13068153	1.52564713	0.740675862	1
uc007osf.2 Tdp1	-0.13073385	3.317629906	0.381732918	1
uc009hzs.2 Cib1	-0.1308153	3.261518956	0.460038722	1
uc009tjf.1 1110012L19Rik	-0.13084309	2.08176156	0.530634368	1
uc007qep.1 AK043285	-0.1308572	4.955528942	0.372056933	1
uc007iuc.1 Nhp2	-0.13087193	2.607164888	0.470793886	1
uc008fmf.1 Afg3l2	-0.13088081	6.336711376	0.165564809	0.904879406
uc007kqr.1 Mrm1	-0.13091019	2.850193188	0.437888353	1
uc009lwn.2 Ints10	-0.13103448	5.189113769	0.232771762	0.981022123
uc009lhh.1 Pomk	-0.13105085	3.6953261	0.393685842	1
uc012clr.1 Zfp931	-0.13105427	2.51183478	0.535157717	1
uc009cip.1 Mat2a	-0.13106627	9.101452904	0.225644596	0.976944818
uc009ojo.2 Dnmt1	-0.13109214	4.757468667	0.276562316	1
uc008zfs.1 Rfc5	-0.13124537	2.266436006	0.564846239	1
uc008tvh.1 Cachd1	-0.13127924	7.363571231	0.478401982	1
uc008ddu.2 Slc25a23	-0.1313386	7.207007027	0.150016696	0.872274804
uc008lil.3 Pdxx	-0.1313505	5.945759157	0.267583445	0.99851571
uc007wrw.1 Nol12	-0.13136963	2.55054469	0.494597204	1
uc008zvj.3 Gtf2i	-0.13145136	8.104284423	0.149975214	0.872274804
uc007pws.1 Gpld1	-0.13148501	6.258364878	0.187795087	0.93333467
uc011yqy.1 Otub2	-0.13150638	2.43843745	0.527389338	1
uc007ujv.2 Ephx2	-0.13153782	9.289722409	0.363020093	1
uc009hya.1 Mfge8	-0.13154538	7.616368361	0.425125448	1
uc008iga.1 Dhtkd1	-0.13175669	5.73230635	0.245853438	0.995630091
uc007cls.1 Cxcr4	-0.13180565	2.935685949	0.781825688	1
uc007fyq.2 Plpp2	-0.13199517	3.712753736	0.394760924	1
uc007dvl.1 Tfb2m	-0.13203563	3.852415272	0.326070503	1
uc008hpj.1 Cwf19l1	-0.13204462	3.082318782	0.445800426	1
uc008urq.2 Snip1	-0.13204482	3.795376044	0.361919392	1
uc011zyj.1 E330033B04Rik	-0.13210485	2.090137915	0.598831637	1
uc033jsp.1 Srpx2	-0.13222609	5.639175559	0.467132152	1
uc009nmb.1 Rfwd3	-0.13229653	4.633320582	0.243719888	0.995630091
uc008icd.1 Prdx3	-0.13237944	7.514761696	0.235763469	0.98720367

uc008hfi.2 2700046G09Rik	-0.1324039	2.119488382	0.524917224	1
uc007ffx.2 Pald1	-0.13249504	4.52306588	0.315668549	1
uc009ufe.2 Sytl4	-0.13250471	3.331209773	0.405581898	1
uc007jds.1 Snap47	-0.13251544	5.035713767	0.240688452	0.992031584
uc012gtx.1 Sin3a	-0.13257494	6.225106507	0.123975549	0.821989146
uc009jbc.2 Ppfbp2	-0.13258728	2.829171083	0.537927206	1
uc009gpx.2 Pold1	-0.13264629	3.128053526	0.411223652	1
uc007aia.2 Sulf1	-0.13279005	5.100093142	0.576009394	1
uc033jng.1 Mir6236	-0.13283032	2.993098754	0.656902667	1
uc007mts.2 AB341725	-0.13286538	5.370447073	0.245579151	0.995630091
uc007wsy.2 Pick1	-0.132868	3.44881476	0.360394351	1
uc033iyb.1 Zfp27	-0.13290299	2.980838099	0.433815564	1
uc008grf.2 Prpf19	-0.13303613	6.608373876	0.183055595	0.929759137
uc011xid.1 Plppr3	-0.13303973	5.344692242	0.246001966	0.995630091
uc012hco.1 Ulk4	-0.13308741	2.150394963	0.51552804	1
uc008bck.1 Fam195a	-0.13311363	4.517663559	0.364561732	1
uc007kz.1 Fam58b	-0.13312893	2.422747729	0.487771525	1
uc009gqx.3 Gm21948	-0.13318663	3.504366617	0.363448316	1
uc009btu.1 Zfp777	-0.13331999	4.628298622	0.246688166	0.995705107
uc008sio.1 Kif24	-0.13334743	3.413298622	0.460991666	1
uc009mdh.1 Mrpl34	-0.13337693	3.441751162	0.463995738	1
uc008mox.1 Slx4ip	-0.13339069	3.013363511	0.393664837	1
uc008asv.2 Tnfrsf12a	-0.13341295	4.673028034	0.542383891	1
uc009byh.1 Hoxa5	-0.13346752	2.37756727	0.508476431	1
uc009pxw.1 Hexa	-0.13348759	6.734086469	0.307148009	1
uc009mlc.2 Adgre5	-0.13360385	7.149947151	0.290684716	1
uc009ggd.3 Gapdhs	-0.13369049	2.261140021	0.492395753	1
uc007ctq.2 Phlda3	-0.13370498	8.060903022	0.28656078	1
uc008jvw.3 Fign	-0.13371098	5.385292989	0.355377794	1
uc008thq.2 Trim32	-0.13373384	5.129553137	0.207821026	0.96053742
uc012gse.1 Cep164	-0.13379356	3.985683174	0.309650076	1
uc009kqx.2 Tpcn2	-0.13380493	3.785889255	0.608275163	1
uc009ptq.1 Imp3	-0.13380548	4.015839237	0.351029476	1
uc011xpp.1 Mars	-0.13386603	6.336574752	0.186338407	0.930625075
uc009moa.1 Dnase2a	-0.13388516	2.832604631	0.571052863	1
uc011zxc.1 Parvg	-0.13396131	1.620658679	0.657682661	1
uc007pmj.1 Lyst	-0.13401207	8.008367949	0.193684975	0.943260329
uc008npg.1 Tti1	-0.13403468	5.269424962	0.158146068	0.88809429
uc008hmv.1 Mms19	-0.1340568	5.944335646	0.122175768	0.818407235
uc007lcv.2 Cdk5rap3	-0.13419937	5.02576305	0.219395258	0.969299131

uc007zrz.1 Cbr1	-0.13422646	4.578600712	0.362689182	1
uc007dbo.1 Qsox1	-0.13424071	6.578149815	0.265390803	0.99851571
uc008cgv.1 Nfkbil1	-0.134244	2.884887868	0.484897844	1
uc007qrz.1 Pcbd2	-0.13430689	2.489607865	0.482043824	1
uc008qiu.2 Cdc42se1	-0.13434392	5.49465661	0.354803688	1
uc008nzi.2 Kcnb1	-0.13435721	6.089504258	0.246142672	0.995630091
uc009etp.2 Caprin2	-0.13435857	3.972985512	0.360763456	1
uc007hlq.1 Spryd4	-0.13447236	2.982589986	0.442288191	1
uc008ivx.2 Fam69b	-0.13448263	4.531432413	0.38725441	1
uc012ath.2 Rn45s	-0.13450254	13.8106162	0.111129011	0.78536856
uc011wuz.1 Adcy10	-0.13452292	2.089561106	0.58586099	1
uc007muq.1 Gps1	-0.13454655	4.953323454	0.248253093	0.995737605
uc008uan.2 Cpt2	-0.13457313	8.137216879	0.290682532	1
uc008mkc.1 Atrn	-0.13458138	7.65056377	0.136360964	0.850777789
uc007gry.1 Txnrd1	-0.13464181	7.600066264	0.306462462	1
uc009gmb.2 Zfp141	-0.13467832	3.62008784	0.374071488	1
uc008ztb.1 Mrps17	-0.13470659	5.008662851	0.200806596	0.955905202
uc007hup.2 Sf3a1	-0.13473196	5.011267768	0.1997379	0.95552397
uc008auh.2 Kctd5	-0.13480077	3.84019842	0.294114968	1
uc008yha.2 Enoph1	-0.13488751	3.703630386	0.331546763	1
uc007afd.3 Mrpl15	-0.13490764	3.804970991	0.337289516	1
uc008tye.1 Plpp3	-0.13492102	8.01100059	0.252389702	0.995737605
uc007dgv.1 Fmo4	-0.13496942	1.973174111	0.531835381	1
uc008zyz.1 Mdh2	-0.13496979	7.661494944	0.178620366	0.925322671
uc008pat.2 Nudt6	-0.13504325	4.842671285	0.253060542	0.995737605
uc007tzt.1 Tm9sf1	-0.13509718	6.232151172	0.102590456	0.762816109
uc008dnz.2 Spast	-0.13510126	5.369657518	0.15148868	0.875538409
uc007rxg.2 Snx18	-0.13511374	5.483054202	0.197188262	0.949024065
uc008zyu.1 Tmem120a	-0.13514576	8.139109587	0.275770823	1
uc008lqj.2 Zfp770	-0.13528341	4.397476872	0.291397206	1
uc007gwz.2 Lum	-0.13529881	2.921290821	0.635217731	1
uc007zmd.1 Trmt10c	-0.13533357	4.175297035	0.31278182	1
uc033idk.1 Podn	-0.13537063	7.942573825	0.218887655	0.969299131
uc008yzi.2 Acacb	-0.13538737	10.10612475	0.425136094	1
uc009jra.1 Nfatc2ip	-0.13540885	3.287166411	0.391017911	1
uc009ers.1 Rassf8	-0.13544006	4.615303079	0.260608269	0.995737605
uc008ujv.2 Med8	-0.13544509	4.060985756	0.311746273	1
uc009occ.1 Dync2h1	-0.13554532	5.495944469	0.190490695	0.93745887
uc007jbg.2 Sh3bp5l	-0.13556329	5.09398153	0.200005102	0.955779024
uc008ijc.1 Fbxo18	-0.13562024	6.874601518	0.107672731	0.777005406

uc029uej.1 Spata5l1	-0.1356259	2.617547467	0.483779841	1
uc009mxa.2 Ciapin1	-0.13562791	3.971538873	0.359915733	1
uc012eea.1 Sumf2	-0.13563177	5.408661341	0.282637654	1
uc008iyg.1 Mrps2	-0.13573292	4.661106516	0.218473504	0.969299131
uc007yny.1 Txnrd2	-0.13588481	5.026758762	0.185321625	0.930625075
uc007wue.2 Josd1	-0.13601823	5.739199156	0.130522388	0.839691497
uc012cnh.1 Zfp704	-0.13603533	5.88431137	0.165893782	0.905360972
uc008zgj.1 2410131K14Rik	-0.13604462	5.390789254	0.161021057	0.896943318
uc008xjz.2 Adgra3	-0.13613831	5.821571669	0.165974649	0.905360972
uc008npe.2 Nnat	-0.13625525	9.606674704	0.392655056	1
uc008aih.2 Rps6ka2	-0.1362669	2.875780529	0.459395454	1
uc007tvu.1 Oxa1l	-0.13662382	5.435316818	0.145181582	0.860464731
uc008yyy.1 Ssh1	-0.13662924	4.524955435	0.251326547	0.995737605
uc008jbd.1 Zdhhc12	-0.13665988	2.160864571	0.522210903	1
uc008vpi.2 Casp9	-0.13670326	4.926130258	0.202727707	0.955905202
uc007dns.1 Ppox	-0.13670409	4.476052438	0.217990155	0.969299131
uc009fpn.1 Smg9	-0.13670548	3.264785286	0.372486911	1
uc008kvc.2 Nr1h3	-0.13671116	7.040647375	0.179632496	0.927205864
uc009enh.1 Dera	-0.1367131	4.470348788	0.240866536	0.992395284
uc008rqk.2 Odf2l	-0.13672377	3.428213352	0.357209534	1
uc009ipc.1 Clpb	-0.13673314	6.756471992	0.150259415	0.872642215
uc007esv.2 9330159F19Rik	-0.13681889	5.820414441	0.312788654	1
uc009iml.2 Lipt2	-0.13685437	2.307953771	0.546904451	1
uc009gvf.1 Ftl1	-0.13687703	7.703185358	0.371152321	1
uc007ciz.1 Ptpn4	-0.13688735	8.136373749	0.176368582	0.922287386
uc009hxm.2 Mrps11	-0.13701748	2.525238968	0.477206669	1
uc008oid.1 Mtg2	-0.13702726	4.051615934	0.271285092	0.998835363
uc007dyn.2 Hlx	-0.13702845	2.419078961	0.536489028	1
uc009nrj.2 Irf8	-0.13728035	3.629387694	0.572873402	1
uc008vxf.1 Spsb1	-0.1372952	5.643928672	0.494231829	1
uc009onq.2 Zfp653	-0.13733607	3.73712238	0.317060509	1
uc008pbc.2 Ankrd50	-0.13741372	5.856292636	0.114574638	0.794416641
uc009dry.2 Spsb2	-0.13746213	2.853738672	0.507694774	1
uc012cfg.1 Snord17	-0.13768743	3.148827978	0.618994282	1
uc057bzl.1 Zfp30	-0.13769299	1.767818862	0.568315951	1
uc007yhv.1 Mzt2	-0.13778261	3.337861617	0.377460105	1
uc009eis.1 Ybx3	-0.1378369	6.91415178	0.138878792	0.851834194
uc011xyp.1 Shpk	-0.13786173	5.056933565	0.296380325	1
uc007usq.2 Vwa8	-0.13805283	7.888053979	0.157157273	0.88809429
uc009ffb.2 Trim28	-0.13807327	6.928101094	0.092542419	0.727658819

uc007nyu.1 Fntb	-0.13808053	4.564538575	0.328244801	1
uc007oiq.2 Vipas39	-0.13814972	5.362413242	0.149186482	0.871435241
uc012esz.1 AK039686	-0.13821162	2.722314051	0.497711969	1
uc007xcr.1 5031439G07Rik	-0.13830004	5.734269019	0.208967761	0.962214767
uc009fek.2 Zfp128	-0.13830912	2.227653251	0.607024574	1
uc009kyt.1 Fbxo25	-0.1383653	3.961112258	0.332571348	1
uc008iae.2 Trub1	-0.13855323	3.85244403	0.295596898	1
uc009ktq.2 Timm44	-0.13859058	5.381464648	0.178765035	0.925322671
uc008rvc.2 Negr1	-0.13862885	7.204396137	0.210301233	0.962860356
uc009gvh.1 Bax	-0.13869858	3.123547939	0.399143953	1
uc009hyr.2 Kif7	-0.13879383	2.944415052	0.39786606	1
uc007wig.2 Scrib	-0.13887964	5.690758315	0.148804079	0.87031255
uc009rqs.1 Slc25a20	-0.13889226	6.54241624	0.265724968	0.99851571
uc008iwd.1 Med22	-0.1389022	5.83715017	0.182524972	0.929759137
uc007dvb.2 Hnrnpu	-0.13893996	5.404625357	0.291603978	1
uc007vkl.1 Fam173b	-0.13904911	3.653387574	0.327897924	1
uc009kkv.2 Taldo1	-0.13906651	7.725031984	0.232050821	0.981022123
uc008vbd.2 Rcc1	-0.13909078	3.236391309	0.39352423	1
uc007ldx.2 Mrpl45	-0.13911298	4.952680186	0.157436164	0.88809429
uc008uhx.2 Ptch2	-0.13919501	5.848903656	0.490061949	1
uc007hck.1 Rab3ip	-0.13924654	4.072638182	0.262239458	0.995737605
uc009phh.1 Zpr1	-0.13928228	3.795816678	0.306724645	1
uc009klq.2 Chid1	-0.13930352	5.187174114	0.167754174	0.907894469
uc007zui.1 Rwdd2b	-0.13936009	1.935216426	0.551905695	1
uc009dti.2 Acrbp	-0.13946165	5.170549277	0.227728995	0.979557104
uc008ojq.2 Dido1	-0.13949183	7.353963502	0.102144702	0.762816109
uc007gfr.1 Slc39a3	-0.13949928	5.834031409	0.137148731	0.850777789
uc009nwd.2 Afg3l1	-0.13961133	6.274951733	0.14256929	0.854711616
uc008gci.1 Pacs1	-0.1396299	5.340445997	0.146799809	0.865750501
uc056ydz.1 AK141780	-0.13963009	3.35645009	0.46797381	1
uc009jxc.1 Zfp646	-0.13977331	5.800308569	0.126073346	0.826965525
uc009qpc.2 Cgnl1	-0.13977983	7.94264233	0.140974547	0.853865953
uc012akg.1 Pnlc1	-0.13980058	1.770849345	0.616410166	1
uc007cqu.3 Atp2b4	-0.13991943	9.907417889	0.224309589	0.974788211
uc009haw.1 Zdhhc13	-0.13992223	4.699453	0.476194476	1
uc009fmp.1 Relb	-0.14000436	4.454044804	0.275216987	0.999357935
uc008wpr.2 6030443J06Rik	-0.14010444	2.722217227	0.455430264	1
uc008bya.1 Zfp563	-0.14013721	3.597276377	0.444540028	1
uc008wyq.1 Slc4a1ap	-0.14024076	3.454967741	0.36206192	1
uc007flw.1 Nrbf2	-0.14038295	3.532117522	0.345815361	1

uc011zss.1 Trps1	-0.14043105	7.557121993	0.129319113	0.837957864
uc009bwx.1 Dfna5	-0.1404411	2.069779668	0.755698442	1
uc008zzx.2 Lrwd1	-0.14047327	3.327414136	0.366294189	1
uc007xgs.2 Chkb	-0.14051629	4.704277243	0.217636357	0.969299131
uc008yzf.1 Ung	-0.14053916	3.544264867	0.363353054	1
uc008aqz.1 Zfp53	-0.140543	3.140130656	0.481780101	1
uc008eor.2 Hars2	-0.14062165	5.059618273	0.182947082	0.929759137
uc009ulz.2 Tmem164	-0.14066847	5.265379547	0.203479021	0.955905202
uc009jmf.1 Dnahc3	-0.14071844	1.537836038	0.753155147	1
uc007srr.1 Ppif	-0.14072377	3.887919472	0.335315837	1
uc007gku.1 Polr3b	-0.14073969	5.107187155	0.150030361	0.872274804
uc007ats.1 Map4k4	-0.14074698	7.408764858	0.176298666	0.922287386
uc009gas.2 Rasgrp4	-0.14092308	3.19018314	0.378540852	1
uc009iqb.1 Numa1	-0.14093076	7.756963069	0.097649939	0.743303999
uc008byk.1 Zfp101	-0.14096675	1.986823798	0.55777993	1
uc033grz.1 Dmtn	-0.1409811	5.540708693	0.277459433	1
uc009bfz.2 2210408F21Rik	-0.14098782	2.84802486	0.519418427	1
uc007zxx.2 Ii10rb	-0.14101355	5.097358743	0.252777452	0.995737605
uc009feh.2 Zfp329	-0.14108218	3.851952404	0.324835047	1
uc007cau.1 Hes6	-0.14108578	2.897480629	0.40318503	1
uc009jio.2 Sox6	-0.14115653	7.057751463	0.180047922	0.927616298
uc009anv.2 Polr1d	-0.14139979	4.888496971	0.191103039	0.937758335
uc007wpx.1 Aco2	-0.14140685	8.830815687	0.208680001	0.961651769
uc008swz.2 Slc44a1	-0.14142365	7.02000559	0.090043827	0.721264764
uc008zhm.1 Tpcn1	-0.14142898	6.46735918	0.129681784	0.837957864
uc008vcj.1 Cd164l2	-0.14143889	1.805012853	0.567545491	1
uc007aor.2 Imp4	-0.14149126	5.281565041	0.153223221	0.879679678
uc009oij.1 Zfp560	-0.14166662	2.972555622	0.417454202	1
uc057cct.1 Ankrd11	-0.1417131	4.496699235	0.372528666	1
uc009npd.1 Sdr42e1	-0.14175154	4.058616475	0.403542637	1
uc007gig.1 Ncln	-0.14175256	6.323923332	0.187358134	0.93272506
uc009nnd.1 Zdhhc1	-0.1417673	4.46357562	0.220980806	0.970204378
uc009jyu.1 Slc5a2	-0.14179991	5.038570282	0.159911303	0.893543683
uc007pui.2 Hist1h2be	-0.14186104	2.654480128	0.553730073	1
uc012eli.2 Tmem176b	-0.14187979	6.461507063	0.366797738	1
uc007mua.2 Aspscr1	-0.14207545	5.334671143	0.191905483	0.938929914
uc008rjn.1 Cyp2u1	-0.14219051	4.204240342	0.357216797	1
uc007zze.2 Rcan1	-0.14220831	6.538982987	0.498609882	1
uc007hng.1 Esyt1	-0.14226476	9.207233549	0.105447635	0.770863385
uc007did.2 Slc19a2	-0.14235447	3.713109859	0.34538764	1

uc007bse.2 Agfg1	-0.14236568	6.578405196	0.110571294	0.783934863
uc007ydj.1 Emp2	-0.14238673	4.610449109	0.34336509	1
uc007cdo.2 Mterf4	-0.14244306	3.705503529	0.290702122	1
uc009dmp.2 Rad52	-0.14244469	3.621980064	0.344236405	1
uc007tik.2 Atg14	-0.14249754	4.357864812	0.248200789	0.995737605
uc008esi.2 Gnpda1	-0.14267979	3.546590705	0.419743486	1
uc008cql.4 B230354K17Rik	-0.14273535	4.778489432	0.270048079	0.998835363
uc007uyo.2 Tgds	-0.14276791	4.081236678	0.237025879	0.990123236
uc029rjk.1 Gm15910	-0.14287055	2.954099797	0.449496555	1
uc009fkc.1 Irf2bp1	-0.14295061	4.952442227	0.165416971	0.904879406
uc007fub.2 Prmt2	-0.14322104	3.842045185	0.381946776	1
uc007uwl.1 Mycbp2	-0.14332531	9.380224961	0.341310281	1
uc033ion.2 Zc3hc1	-0.14333752	3.813945791	0.286488123	1
uc008ylg.2 Lrrc8d	-0.14334761	6.208908125	0.188284417	0.934678209
uc009eko.2 Dusp16	-0.14345055	6.580347272	0.220476654	0.970204378
uc008vuw.1 Srm	-0.14349366	4.761789652	0.288806732	1
uc012djj.1 Tmem69	-0.14358418	3.692482689	0.382062292	1
uc007nhr.1 Dus4l	-0.14367996	2.263928563	0.492671902	1
uc008wwa.1 Tmem214	-0.14369379	6.002831551	0.133442977	0.846160234
uc008qjj.2 Cers2	-0.14385961	7.085600368	0.127530894	0.832568706
uc008bdw.2 Fam234a	-0.14402365	6.260071795	0.189945491	0.936250734
uc008den.2 Vav1	-0.14413036	1.934269474	0.799215435	1
uc009tcc.1 Bcorl1	-0.14413325	4.927136768	0.213712861	0.968053928
uc009fpv.2 Irgq	-0.14431823	5.860713797	0.133035859	0.846160234
uc012bzb.1 Tspan18	-0.1443345	6.091226792	0.246260304	0.995630091
uc009nww.2 Taf5l	-0.1443638	4.424964415	0.179413335	0.926868271
uc007gcz.1 Mex3d	-0.14436814	3.581030126	0.315212645	1
uc007klt.2 Rhbdl3	-0.14437435	1.994672777	0.553053485	1
uc009saj.1 Acaa1b	-0.14439304	4.822659345	0.261822829	0.995737605
uc012gro.1 Usp2	-0.1444568	6.055892637	0.402906612	1
uc009jsh.2 Slx1b	-0.14453557	3.917301349	0.292171692	1
uc008nzm.1 B4galt5	-0.14458346	3.72630126	0.576399386	1
uc008vtm.1 2510039O18Rik	-0.14459411	5.998174953	0.10319054	0.762816109
uc007pmg.2 Nid1	-0.14459788	10.15916142	0.106015696	0.772460015
uc009jub.1 Maz	-0.14461415	5.447121139	0.157001673	0.88809429
uc009ste.2 Ndufb11	-0.14467763	5.183038089	0.238683938	0.990160092
uc007qoj.2 Arl10	-0.14468863	2.054952709	0.53127024	1
uc007bks.2 Smarcal1	-0.14469743	4.768828902	0.18437336	0.930625075
uc007cic.2 Nifk	-0.14473683	3.769743994	0.325891177	1
uc008bql.2 Fance	-0.14479429	4.124970435	0.256533201	0.995737605

uc008dtc.1 Lrpprc	-0.14483087	6.665301748	0.13932963	0.851834194
uc007wxr.1 Polr3h	-0.14492757	3.9467176	0.273601553	0.998835363
uc007enb.3 Tnfaip3	-0.14495245	8.304231316	0.555250341	1
uc007ewm.2 Slc16a10	-0.14495248	7.474244008	0.223998949	0.974788211
uc007jdh.2 2610507I01Rik	-0.14505552	3.793678091	0.322788654	1
uc007kqy.1 Pigw	-0.14512351	2.727889579	0.43917554	1
uc008ciu.2 Ppp1r18	-0.14533284	5.023953545	0.292878954	1
uc007aon.2 Dst	-0.14534044	10.71961484	0.201173492	0.955905202
uc009gui.2 Cd37	-0.14541411	2.036500942	0.743248518	1
uc008urt.2 Meaf6	-0.1454265	2.306794649	0.475033903	1
uc009smb.2 Wdr45	-0.14543108	5.647625422	0.135720572	0.850553378
uc007mvu.2 Rab40b	-0.14548097	3.545540053	0.35421212	1
uc008unm.1 Kcnq4	-0.14548412	4.824549086	0.199522171	0.954905503
uc009gvc.1 Ruvbl2	-0.14554155	4.837848327	0.184497486	0.930625075
uc008vln.2 Otud3	-0.14554609	2.711255233	0.411093708	1
uc009dqs.1 Pex5	-0.14559431	7.670872293	0.094762796	0.735593706
uc009slu.2 Prickle3	-0.14569608	4.564647069	0.207308329	0.96053742
uc008jxs.1 Cers6	-0.14569955	5.838901126	0.231573984	0.981022123
uc008jje.1 Psm5	-0.1457017	5.414736651	0.227778222	0.979557104
uc007nmj.1 Prkd1	-0.1457323	7.003776073	0.132834155	0.845698027
uc007hwb.2 Rhbdd3	-0.14576235	4.645983464	0.201841153	0.955905202
uc009fku.1 Qpctl	-0.14594928	4.641202586	0.214578884	0.968295717
uc033hgg.1 Apbb3	-0.1459502	2.841864692	0.477398246	1
uc008ytd.2 Hps4	-0.14597084	4.957951628	0.180640505	0.928936229
uc009tdq.3 Firre	-0.14597771	5.61622745	0.166819671	0.905719403
uc009amm.1 Zkscan14	-0.14597925	1.925821952	0.539742185	1
uc007ctj.2 Nav1	-0.14632313	5.750660807	0.3607342	1
uc008wes.2 Tmem88b	-0.14635087	1.976924978	0.592974879	1
uc009qsd.2 Mapk6	-0.14640412	9.074030837	0.169332176	0.910191348
uc007jew.2 Flcn	-0.14644414	6.060625412	0.101081548	0.759746792
uc007gcq.1 2310011J03Rik	-0.14646083	4.085868339	0.299153543	1
uc007idb.2 Slc1a4	-0.14651395	2.498203013	0.542947495	1
uc007guq.1 Lta4h	-0.14654925	5.78538126	0.109029074	0.781312964
uc008icl.1 Disp1	-0.1466467	3.252683823	0.493137285	1
uc009hza.1 Wdr93	-0.14669975	3.590463848	0.460433296	1
uc008cde.2 Ppt2	-0.14673504	5.041381163	0.238454232	0.990160092
uc007zwz.2 Paxbp1	-0.14681654	5.458344836	0.155421492	0.885782101
uc008jyw.2 Mettl5	-0.14690802	2.586461664	0.444783717	1
uc011zlg.1 Ppp1r3e	-0.14691412	3.632236454	0.345148057	1
uc007bcy.1 Stradb	-0.14697044	4.870364957	0.25089124	0.995737605

uc012gmt.1 Urb2	-0.14721221	4.910539897	0.206739927	0.96053742
uc009ljl.2 Fut10	-0.14722693	2.14298396	0.505316369	1
uc009sem.2 Pomgnt2	-0.14723074	3.984583825	0.257726632	0.995737605
uc009sni.2 Hdac6	-0.14727151	5.386251046	0.114638795	0.794416641
uc008nxd.2 Slc35c2	-0.14727365	4.795490876	0.303879121	1
uc007mpi.1 Engase	-0.14737226	4.159963285	0.312626822	1
uc007xce.1 Prr5	-0.14742513	5.06962146	0.297683882	1
uc008ymc.1 Brdt	-0.14763218	2.542631475	0.461525201	1
uc008vnn.2 Atp13a2	-0.14764031	6.176935176	0.145239122	0.860464731
uc007hhq.1 Mettl1	-0.14764971	2.014432508	0.521928188	1
uc007nwi.3 Slc38a6	-0.14765435	5.244188222	0.302454167	1
uc007mei.2 2610035D17Rik	-0.14766199	3.061756459	0.527563524	1
uc009fwn.2 Pld3	-0.14767577	5.47579183	0.402377278	1
uc007mny.2 Afmid	-0.14783113	4.937508377	0.162102754	0.901604745
uc011yvh.1 Btbd6	-0.14785445	3.493732739	0.306528465	1
uc008cwc.2 Tfeb	-0.14789068	4.006055181	0.280966761	1
uc008rqy.1 Mcoln2	-0.14797567	1.932067426	0.625690127	1
uc007xlv.2 Pfkcm	-0.14804652	4.664033171	0.192324318	0.93959063
uc009ogg.1 Slc36a4	-0.14814401	4.162716493	0.219904366	0.969299131
uc007ddj.1 BC026585	-0.14828938	4.896970685	0.190699808	0.93745887
uc007fzi.1 Cdc34	-0.1483426	4.685932436	0.331462158	1
uc009sdm.2 Sec22c	-0.14839289	4.567697818	0.298923795	1
uc012dmv.1 Pafah2	-0.14845716	4.314010608	0.31446537	1
uc009mhl.1 Nr3c2	-0.14851205	4.779180289	0.231025854	0.981022123
uc057brb.1 Eif4e	-0.1485495	5.398794084	0.24297899	0.995630091
uc009gkd.1 Ankrd27	-0.14855914	6.146661798	0.125666057	0.826396995
uc007lxa.2 Mettl2	-0.14860706	3.677533532	0.304536165	1
uc009lhi.1 Fnta	-0.14874088	6.411474923	0.094188038	0.733623275
uc009iqm.2 Xntrpc	-0.1487742	3.967351586	0.255478249	0.995737605
uc007vtw.1 Ndufb9	-0.14880472	6.001546852	0.194553575	0.944217393
uc009uoq.2 Tro	-0.14881148	3.693303042	0.467280116	1
uc007yfx.2 Ercc4	-0.14881274	4.818214061	0.15244257	0.877249796
uc007svh.2 Prkcd	-0.14881948	4.165144824	0.615164402	1
uc007pfm.2 Nudt14	-0.14891417	2.244458816	0.504627463	1
uc009iy.2 Arfip2	-0.14922363	5.199037355	0.142464925	0.854711616
uc007fwi.3 Lrrc3	-0.14922826	3.130760631	0.378726347	1
uc008jde.2 Usp20	-0.14924608	4.380378562	0.285163944	1
uc008gah.2 Lrnf4	-0.14927891	4.552809596	0.253529238	0.995737605
uc008jhr.1 Angptl2	-0.14944801	8.706085605	0.215592255	0.968365516
uc009fmb.1 Trappc6a	-0.14952634	3.256136937	0.377444979	1

uc009ptp.1 Snx33	-0.14955912	5.639987155	0.157904036	0.88809429
uc007hvf.2 Gas2l1	-0.14968346	5.285391494	0.194907662	0.945105369
uc007nff.2 Rnf144a	-0.14974508	6.665296241	0.177626599	0.925065256
uc008vdb.2 Gpn2	-0.14980246	2.588077697	0.430274884	1
uc008req.2 Bcar3	-0.14983048	7.486442229	0.413161258	1
uc008gkl.2 Naa40	-0.14983761	5.245325471	0.131408126	0.841837647
uc008xvz.2 Rest	-0.14987595	5.168274336	0.137691366	0.850777789
uc008azm.2 lft140	-0.14989585	5.340665336	0.140029805	0.851834194
uc007txy.2 Thtpa	-0.14995267	3.04502397	0.405352751	1
uc008izg.2 Ddx31	-0.15002935	2.860626923	0.399694693	1
uc009bti.2 Zfp398	-0.1500688	4.832182786	0.194287407	0.943754923
uc007gjs.1 Glt8d2	-0.1500714	2.493792953	0.490372398	1
uc009btm.2 Zfp212	-0.15020969	3.305625447	0.338099406	1
uc056zdp.1 Unkl	-0.15021538	3.725911485	0.316863449	1
uc009ncs.2 Tmem208	-0.15032401	3.764645649	0.414491235	1
uc008txt.2 AK202078	-0.15034377	3.279486384	0.36547613	1
uc009klf.1 Rplp2	-0.15037235	5.874443655	0.088722188	0.713783896
uc007qda.2 Rreb1	-0.15046386	8.065532065	0.176006761	0.922282106
uc009aiq.1 Ap5z1	-0.15067387	4.364450199	0.213702546	0.968053928
uc008dgo.1 Galm	-0.15071584	5.625699713	0.126224125	0.827460944
uc009sbb.2 Exog	-0.15076637	2.671456735	0.431471247	1
uc008hla.1 Tctn3	-0.15083033	3.448545676	0.383374263	1
uc007krd.2 Myo19	-0.15083281	5.203593309	0.197103674	0.949024065
uc007pnx.3 Sugct	-0.15084181	3.47661203	0.353139551	1
uc008alw.1 Sod2	-0.15092276	7.788505469	0.116095386	0.797505989
uc011xjc.1 Pias4	-0.15105475	3.833977894	0.260684325	0.995737605
uc008ajc.2 Fgfr1op	-0.15107655	4.101379208	0.225626009	0.976944818
uc009bje.2 AK086757	-0.15114454	5.165021903	0.127450271	0.832534413
uc009oso.1 4930581F22Rik	-0.15128615	6.412927512	0.265613851	0.99851571
uc009mez.2 Zfp617	-0.15129421	3.555872535	0.426620664	1
uc009gef.1 Tyrobp	-0.15134595	2.123490893	0.77084775	1
uc008zgh.2 Rnft2	-0.15135187	3.026435916	0.382568406	1
uc007sug.2 Wnt5a	-0.15147744	5.29224719	0.26770388	0.99851571
uc007cyv.2 Trmt1l	-0.15147831	5.342029952	0.142401557	0.854711616
uc009iag.3 Prc1	-0.15159038	1.77955776	0.56749965	1
uc009nqr.1 Zdhhc7	-0.15163358	5.483267814	0.121716603	0.816757031
uc007dml.1 Dusp12	-0.15179009	2.243322635	0.440531149	1
uc009diu.1 Tsen2	-0.15194441	2.589259368	0.422023842	1
uc009ibt.1 Pde8a	-0.15197887	5.093651	0.183724256	0.930625075
uc008qwz.1 Rbm15	-0.15214387	6.690879065	0.07891604	0.67837088

uc008oli.1 Ppdpf	-0.1521493	3.316956309	0.368893647	1
uc007eqa.2 Slc18b1	-0.15216702	6.246951952	0.231024693	0.981022123
uc009grc.1 Tbc1d17	-0.15221137	5.844579196	0.096907939	0.743141424
uc009del.1 Thumpd3	-0.15223124	4.619437104	0.186615139	0.930632426
uc007bfz.2 Eef1b2	-0.1524096	5.20202976	0.173716007	0.921545184
uc007zxo.2 Ifnar1	-0.15255281	6.558724623	0.07616523	0.673169263
uc007zxs.1 Dnajc28	-0.15256959	3.665106936	0.363821401	1
uc007dhh.1 Prrx1	-0.15265494	5.690659185	0.245165146	0.995630091
uc008gxc.2 Prune2	-0.15286232	3.711934124	0.569869006	1
uc008pqy.1 AK180019	-0.15286364	1.795896205	0.524310931	1
uc029wxv.1 Tmem205	-0.15286975	5.838347005	0.30084957	1
uc007xoj.1 Tuba1b	-0.15291693	5.716036788	0.140738163	0.853865953
uc009tzt.2 Chic1	-0.15304011	2.854983101	0.410926673	1
uc009bcu.1 Lrrc4	-0.15304644	4.015588719	0.439134246	1
uc009kko.3 Deaf1	-0.1531075	4.435995382	0.193851611	0.943260329
uc008daq.2 Sh3gl1	-0.15316126	4.831090286	0.142439905	0.854711616
uc008wfp.2 Fam132a	-0.15323512	5.974541334	0.140830766	0.853865953
uc009cwj.1 Txnrd3	-0.15326547	5.018377666	0.143479121	0.855478051
uc009dfy.2 Rpusd3	-0.15332299	3.436626338	0.370244892	1
uc008xhp.2 Cc2d2a	-0.15356505	5.289483816	0.15574367	0.885862298
uc009nww.1 Abcb10	-0.15366249	5.642753636	0.118039042	0.805118773
uc009fxy.1 Fbl	-0.15369201	2.319750875	0.439962708	1
uc009per.2 Atp5l	-0.15381278	2.18373584	0.427205393	1
uc056ync.1 AK162785	-0.15393672	2.255811592	0.540433475	1
uc007jcm.1 2810021J22Rik	-0.15406837	2.610356539	0.475414327	1
uc009mbc.2 Pgpep1	-0.15408314	4.902401425	0.226719731	0.977925147
uc009mvo.1 Nudt21	-0.15409615	2.796440587	0.39793545	1
uc011xzm.1 Mettl25	-0.15419591	2.590348479	0.411820281	1
uc009lie.1 Adrb3	-0.15424967	9.316247225	0.224340065	0.974788211
uc009kse.1 Stxbp2	-0.15429215	5.09015781	0.186415015	0.930625075
uc007fuv.2 Col6a2	-0.15451169	6.896949906	0.388757013	1
uc007ofu.2 Abcd4	-0.1545141	4.022310403	0.319410632	1
uc007puh.2 Hist1h4d	-0.15461747	3.51718762	0.272140256	0.998835363
uc008vfe.2 Paqr7	-0.15462468	4.18628503	0.298811367	1
uc008zwi.2 Clip2	-0.1546268	4.297591132	0.267843749	0.99851571
uc009ijj.2 Aamdc	-0.15469272	3.811034772	0.31637099	1
uc009ibw.2 Cpeb1	-0.15471763	5.646553767	0.150219322	0.872642215
uc008qyg.2 Amigo1	-0.15481766	4.354714737	0.227584311	0.979557104
uc009ahw.3 Ttyh3	-0.15483983	4.797141244	0.250192998	0.995737605
uc012dwb.3 Slit2	-0.15490744	2.68788556	0.587309107	1

uc009dts.2 Gapdh	-0.15493874	3.278418611	0.494920114	1
uc007wch.2 Slc45a4	-0.15499296	5.073651417	0.16961139	0.910805744
uc008ieh.1 Hspa14	-0.15514368	4.811583921	0.212435243	0.965870918
uc008gae.1 2010003K11Rik	-0.15530649	3.432075844	0.408910477	1
uc009gxi.1 Kcnj14	-0.15541988	1.609773478	0.634351603	1
uc007bwu.3 Kcnj13	-0.15543167	2.271554319	0.49667038	1
uc009uel.1 Nap1l3	-0.15555226	2.114570076	0.498837103	1
uc012fve.1 Ctbp2	-0.15587399	5.458614497	0.124090383	0.822256973
uc033jhf.1 Fam96b	-0.15591518	3.186056263	0.300103271	1
uc008uqu.1 Utp11l	-0.15604463	2.285940792	0.429489042	1
uc007mur.1 Dus1l	-0.15606661	4.685466993	0.207565538	0.96053742
uc008qoq.2 Acp6	-0.15608568	5.095034947	0.143844272	0.856171197
uc008mkb.2 A730017L22Rik	-0.15618671	4.822696464	0.156173982	0.886483968
uc012arx.1 Mir1894	-0.15620454	2.36204698	0.429474893	1
uc009umi.2 Pak3	-0.15626567	2.583158388	0.491944356	1
uc008zue.1 Kctd7	-0.15633682	3.060613177	0.425997873	1
uc009aev.2 Ap4m1	-0.15644316	5.167608904	0.137607472	0.850777789
uc007qoe.2 Simc1	-0.15652258	4.24899837	0.263229352	0.997302474
uc008zeg.1 Gcn1l1	-0.15662344	7.576840571	0.124954786	0.82403019
uc007kvv.2 Akap1	-0.15665883	7.10934928	0.132440615	0.844537401
uc008bbd.2 Lmf1	-0.15666874	4.738544356	0.196818542	0.949024065
uc007hgy.1 Slc16a7	-0.1567023	6.384169497	0.233172616	0.981022123
uc007hat.2 Trhde	-0.15687876	5.212116959	0.203112057	0.955905202
uc008qcd.2 Ints3	-0.15691785	6.242788089	0.084792767	0.701685767
uc007wst.2 Polr2f	-0.15697837	3.173586445	0.392400644	1
uc009fma.1 Bloc1s3	-0.15711762	3.015520338	0.387180561	1
uc008ohb.1 Gm14403	-0.15720334	4.932962085	0.155252374	0.885347301
uc009gbs.1 Sipa1l3	-0.15731686	5.690257923	0.101705615	0.761654391
uc009omm.2 Kank2	-0.15736545	6.715591048	0.136712643	0.850777789
uc029vhk.1 Ccadc149	-0.15742002	3.004912702	0.41657262	1
uc008cgr.2 Tnf	-0.15755484	2.383838498	0.715376635	1
uc008yju.1 Klhl8	-0.15758746	4.102941432	0.207964858	0.96053742
uc009bmn.2 Agk	-0.15765678	3.912064393	0.229375375	0.981022123
uc009ile.1 Dgat2	-0.15769106	10.54905903	0.273865964	0.998835363
uc009kdf.2 Uros	-0.1576937	4.559896773	0.226730609	0.977925147
uc012bmb.1 Got1	-0.1578074	2.317083823	0.707308283	1
uc009laz.1 AK081879	-0.15787421	2.138908557	0.486594987	1
uc012all.1 Zfp54	-0.15789862	1.78188073	0.560854144	1
uc009ezq.1 Ccadc106	-0.15800462	2.789766205	0.362111712	1
uc009nei.2 Thap11	-0.15801207	4.668629035	0.163167071	0.902840119

uc008zkj.1 Fam109a	-0.15805047	3.403339477	0.330146522	1
uc008sow.2 Pigo	-0.15816291	4.229275119	0.181185147	0.929759137
uc007ixc.2 Slc22a5	-0.15824778	6.543133909	0.202291355	0.955905202
uc009kic.1 Cyp2e1	-0.15828072	11.46276684	0.133987604	0.847301547
uc008ujd.1 Dph2	-0.15836381	2.26572418	0.433289154	1
uc009lhv.1 Prosc	-0.15838835	5.931648492	0.058990853	0.588629596
uc012aoi.1 Mapk14	-0.1584485	6.925088957	0.106886776	0.77589732
uc007hpb.1 Itga7	-0.15846262	8.35121028	0.079441356	0.680767431
uc007nyo.1 Sptb	-0.15846319	2.973090739	0.509747914	1
uc007lrt.3 Slc25a39	-0.15846932	6.861998213	0.142795823	0.854917434
uc008ykm.2 BC005561	-0.15860136	4.624550015	0.170853445	0.914363933
uc008zxt.2 Mlxipl	-0.15863252	6.937986871	0.117399798	0.802876436
uc008dvd.2 Msh6	-0.15874642	5.310836088	0.12896461	0.837957864
uc007awq.2 Col3a1	-0.15877434	9.585166653	0.228617157	0.981022123
uc009uje.1 Rab9b	-0.15893434	2.785642031	0.598815151	1
uc008sxe.1 Fktn	-0.15909258	4.900411386	0.233234189	0.981022123
uc009deb.1 Oxtr	-0.1592412	3.935401304	0.497198322	1
uc008sbi.2 Necab1	-0.15926069	2.164690064	0.469573834	1
uc007jjk.1 2410006H16Rik	-0.15940741	3.057401073	0.378793107	1
uc007udd.1 Eef1akmt1	-0.15958633	2.780814709	0.371408707	1
uc007wsj.1 Ankrd54	-0.15965881	3.832924834	0.22329791	0.97453525
uc007kxt.2 Nme2	-0.15967657	4.742469062	0.181696416	0.929759137
uc008acm.3 Brwd1	-0.1598038	2.103733621	0.450688671	1
uc008vyy.1 Klhl21	-0.1598942	5.958578624	0.148258997	0.870174749
uc009fmn.2 Clasrp	-0.15993216	3.370878991	0.286743948	1
uc008ljz.2 Cstf3	-0.1599549	5.496617816	0.218891634	0.969299131
uc011yim.1 Usp36	-0.16001655	5.63559612	0.114924625	0.794901321
uc009tgb.2 Zfp449	-0.16010763	4.54352058	0.404461682	1
uc012eeh.1 Abhd11	-0.16012972	4.841538899	0.168742839	0.910191348
uc008gjl.1 Gpr137	-0.16022855	4.557239122	0.204224733	0.957402189
uc012dui.2 Preb	-0.16043009	6.366843662	0.062025323	0.605828305
uc009tkb.2 Hmgb3	-0.16057096	2.558569873	0.434395759	1
uc008cdv.1 Nelfe	-0.16060985	4.235811705	0.207198289	0.96053742
uc009fkv.1 Snrpd2	-0.16073249	2.123443162	0.467080489	1
uc007ycq.1 Tmem186	-0.16081557	4.471605476	0.250450167	0.995737605
uc057ati.1 Sat1	-0.16084588	6.43640575	0.199162521	0.954010931
uc009bqo.1 Gstk1	-0.1609386	5.492348046	0.138552397	0.851834194
uc012cqp.1 Fnip2	-0.16098439	5.885101823	0.257802769	0.995737605
uc009frw.2 Zfp526	-0.16118696	3.866004146	0.217205346	0.969299131
uc009bmh.2 Mrps33	-0.16133547	1.851824841	0.469426183	1

uc008vru.1 AK170464	-0.16135567	2.041684307	0.708402712	1
uc012dji.1 Nsun4	-0.16138513	4.866615032	0.159525367	0.892211242
uc008hmq.2 Zdhhc16	-0.16141927	3.041695255	0.34505873	1
uc008zmy.1 Orai1	-0.16143473	2.412185671	0.440905823	1
uc007mit.1 Llg12	-0.1617381	4.047472551	0.248859303	0.995737605
uc008xgh.2 Lyar	-0.16175537	2.070803589	0.455717911	1
uc007wlu.2 Recql4	-0.1617986	3.418005911	0.367872614	1
uc009ljd.1 Rnf122	-0.16180243	3.407328398	0.433935393	1
uc007mta.1 Mrpl12	-0.16182236	4.993214073	0.203017336	0.955905202
uc008aku.1 Slc22a3	-0.16183684	7.533016831	0.150852531	0.874248191
uc007elg.1 Hivep2	-0.16190098	7.093530427	0.185244584	0.930625075
uc009hbt.1 Prmt3	-0.16191838	4.393842801	0.221093548	0.970204378
uc008hqb.1 Fam178a	-0.1619634	6.361076437	0.095046966	0.737281452
uc008ofu.2 2210418O10Rik	-0.16217069	2.031106186	0.468723118	1
uc008iuw.2 Snapc4	-0.16219023	3.517635926	0.277611867	1
uc008hui.2 Nt5c2	-0.16224451	5.783681674	0.096877401	0.743141424
uc008hql.2 Lzts2	-0.16234068	6.83227422	0.205050107	0.959332265
uc008wen.2 Atad3a	-0.16243299	5.416242464	0.141229394	0.854589237
uc007kbx.1 Rap1gap2	-0.16248768	4.888358799	0.285817859	1
uc008htd.1 Psd	-0.16249003	5.345019898	0.205917069	0.96053742
uc008scj.2 Ttpa	-0.16253569	4.138023848	0.467792321	1
uc007pwj.1 Acot13	-0.16259978	3.84234702	0.28793722	1
uc008tsq.2 Jun	-0.16260094	10.35369848	0.216539436	0.969299131
uc007quj.2 Ntrk2	-0.16260206	9.138177788	0.184152365	0.930625075
uc008ape.2 Riok2	-0.16280947	5.84544038	0.13361623	0.846772734
uc029wfk.1 Bcat2	-0.16283924	8.559841454	0.140991472	0.853865953
uc007syg.2 Oxnad1	-0.16287735	4.624008478	0.160133739	0.893803581
uc012eul.1 Borcs5	-0.16314095	3.545169761	0.298294825	1
uc008hvt.2 Gsto2	-0.16329683	2.17003706	0.447528618	1
uc008cig.2 Gtf2h4	-0.16337214	3.855760929	0.258235657	0.995737605
uc007vta.1 9130401M01Rik	-0.16347904	3.041084438	0.348181951	1
uc009tgn.1 Fhl1	-0.16364394	6.754058944	0.416939094	1
uc007zan.2 Itgb5	-0.16387147	6.916520346	0.103135022	0.762816109
uc011xdg.1 Lace1	-0.1638846	4.320229773	0.179182939	0.926346178
uc008ady.1 AK170928	-0.16389762	3.922347802	0.460719894	1
uc007jjh.1 Trpv2	-0.16400117	3.7737708	0.489224752	1
uc029vvf.1 Sspo	-0.16406825	2.590381842	0.418525093	1
uc007ban.2 Plcl1	-0.16409182	5.29731563	0.53413005	1
uc008bbl.1 Rpusd1	-0.16411324	2.571413962	0.42581581	1
uc007jpb.1 Borcs6	-0.16419627	3.695567486	0.243527821	0.995630091

uc008pbo.1 Plk4	-0.16422042	3.067418652	0.306546914	1
uc007jfi.2 Pemt	-0.16423075	3.075782781	0.327979103	1
uc008wso.2 Prkag2os1	-0.16429352	1.601428524	0.553157579	1
uc008bcg.1 Rhbd1	-0.16429397	6.217805477	0.129464758	0.837957864
uc008yzo.1 Mmab	-0.16436658	5.181351412	0.130850131	0.841309984
uc009tv.1 Eda	-0.16437693	3.476990949	0.301563262	1
uc009fkr.1 Six5	-0.16479819	4.439719378	0.182860606	0.929759137
uc009cvy.1 Tpra1	-0.16491659	4.515872101	0.16403939	0.904632604
uc008ejh.1 Bin1	-0.16525053	4.157148588	0.276904499	1
uc007mrp.2 Cep131	-0.16526905	2.218097993	0.415802509	1
uc008eww.2 Hsd17b4	-0.16532007	8.219591074	0.148834004	0.87031255
uc008reo.2 Gclm	-0.16543268	5.603696753	0.256338581	0.995737605
uc009iji.2 Ints4	-0.16554916	5.984379435	0.066684813	0.624767128
uc009riz.1 Glyctk	-0.16563096	3.737636434	0.35512615	1
uc007jgq.2 Dhrs7b	-0.1656996	6.468919642	0.148680442	0.87031255
uc008cud.1 Pex6	-0.16574789	7.223224656	0.109579716	0.781418684
uc008rjc.2 Ostc	-0.16574976	3.590171827	0.325097423	1
uc008sit.2 Al464131	-0.16590788	7.4465873	0.173545384	0.921183233
uc009mec.1 Pgls	-0.16608826	5.125271509	0.183246408	0.929784024
uc008zva.1 Gatsl2	-0.16619465	4.043061812	0.221547702	0.970732218
uc008wfc.2 Dvl1	-0.16626865	6.512141888	0.079172985	0.678994407
uc008zdy.1 Sirt4	-0.16637005	2.61025749	0.399686425	1
uc007wve.1 Tab1	-0.16660657	3.738683492	0.245196411	0.995630091
uc007bki.2 Pecr	-0.16669006	3.484511511	0.335893318	1
uc007len.2 Pcgf2	-0.16682494	2.141617073	0.442486251	1
uc008vmd.2 Mrto4	-0.166879	2.661965986	0.360237175	1
uc007ggh.3 Dapk3	-0.16690171	4.585605683	0.16245891	0.902222787
uc008rmx.2 Mttp	-0.16690592	3.791474807	0.274247188	0.998835363
uc008pzh.2 Flad1	-0.16711953	6.224691434	0.105786999	0.771302439
uc007rbq.2 Zfp273	-0.16713776	1.626066539	0.541973114	1
uc008nzb.1 Ddx27	-0.16721105	5.763098887	0.092004756	0.726956036
uc007eki.2 Sf3b5	-0.16726419	3.718136756	0.259115481	0.995737605
uc007ybc.2 Anks3	-0.16729685	3.847837891	0.227505243	0.979557104
uc008ise.1 BC029214	-0.1673017	3.3364567	0.290113829	1
uc007qjg.2 Bicd2	-0.1674922	6.289313985	0.049228391	0.537860348
uc008ijh.2 Ankrd16	-0.16752973	4.665641904	0.115145352	0.794948979
uc007btc.2 Fbxo36	-0.16765578	2.543580277	0.410556315	1
uc008cqz.1 Hsp90ab1	-0.16768604	9.306194431	0.084470389	0.701685767
uc007jgo.1 Shmt1	-0.16769917	3.932214723	0.249944948	0.995737605
uc008cai.1 Wdr46	-0.16774821	3.515051439	0.262100368	0.995737605

uc008hlz.1 Lcor	-0.16778819	3.022113854	0.308269541	1
uc008xaw.2 Slbp	-0.16789572	3.398412046	0.273308243	0.998835363
uc009oej.1 Sesn3	-0.16813344	5.345727651	0.154694762	0.88366493
uc007lqw.1 Hdac5	-0.16820459	6.603953987	0.043506578	0.500597561
uc007wvk.2 Mief1	-0.16836771	6.218743482	0.043601034	0.501162348
uc007ybk.1 Rogdi	-0.16841341	3.618966134	0.280501938	1
uc009scd.2 Rpsa	-0.16842838	6.158228302	0.066646971	0.624767128
uc007lbv.2 Hoxb4	-0.16843238	3.017276057	0.324465487	1
uc007wlx.2 Lrrc14	-0.1685125	4.754825227	0.137195628	0.850777789
uc012dbg.1 Bach2	-0.16872735	2.638537733	0.511235258	1
uc011yzv.1 Fam193b	-0.16872994	5.211858271	0.139051392	0.851834194
uc007ffz.3 DQ716436	-0.16875924	6.947814585	0.071326332	0.650595099
uc008guc.2 Dtx4	-0.16876015	4.101843666	0.544854734	1
uc008gpf.2 Fen1	-0.16898289	2.040811853	0.508984703	1
uc057bjc.1 3110052M02Rik	-0.16903223	3.334239179	0.311499476	1
uc008iry.1 Npdc1	-0.16905284	6.740268265	0.063726996	0.610562752
uc007cbd.2 Twist2	-0.16910272	3.915939292	0.27330939	0.998835363
uc009dfc.2 Brpf1	-0.1691054	6.554378697	0.102733632	0.762816109
uc009upu.1 Hsd17b10	-0.16915168	6.542581002	0.07593109	0.672602102
uc007puj.3 Hist1h1e	-0.16935365	1.918554561	0.471885702	1
uc007rjg.1 Vcan	-0.16946031	3.030580129	0.624438634	1
uc008hjn.1 Slc35g1	-0.16952448	4.835131255	0.179483182	0.926868271
uc008yah.1 Dck	-0.1695863	3.439365407	0.328542006	1
uc009sxp.1 Akap17b	-0.16961864	2.415197255	0.400197981	1
uc009bas.1 AK040992	-0.16964106	4.328620545	0.244991864	0.995630091
uc007skx.2 Plau	-0.1696438	4.035175888	0.605095825	1
uc009idq.1 Stard5	-0.16967768	4.32121003	0.17124033	0.915101609
uc009gct.2 Zfp568	-0.16991213	4.594060952	0.172297826	0.918533679
uc007vki.1 Cmb1	-0.16991455	6.794393927	0.134228925	0.847301547
uc007rxb.1 Gpx8	-0.17003003	5.374768213	0.299451231	1
uc009rxg.2 Crtap	-0.17014637	5.241277502	0.129721886	0.837957864
uc033hul.1 Rbm46	-0.1702183	2.169202904	0.446814224	1
uc008lqt.2 Meis2	-0.17045821	4.415804913	0.200323892	0.955843506
uc009nfu.1 Prmt7	-0.17048038	4.621980806	0.165461006	0.904879406
uc007txk.2 Slc22a17	-0.1705708	4.865729599	0.157767607	0.88809429
uc007hmm.1 Ankrd52	-0.17065722	6.88960294	0.095906879	0.741939051
uc009mhz.1 Rbmx1	-0.17067416	2.134831986	0.398084632	1
uc009gyb.2 Nomo1	-0.17073997	7.109542763	0.059447216	0.591047657
uc007pfi.1 Cdca4	-0.17084929	3.174160577	0.360839941	1
uc008xwc.2 Noa1	-0.17100057	4.866122324	0.123139888	0.820478012

uc009apj.2 Uspl1	-0.17129759	5.126197023	0.158052545	0.88809429
uc007dwi.1 Parp1	-0.17134995	5.923365546	0.07398596	0.662276268
uc012cuf.1 Pde4dip	-0.17139612	6.987243151	0.084528728	0.701685767
uc008cum.1 Tbcc	-0.17142592	2.890734853	0.344676706	1
uc009nlg.2 Fuk	-0.17146317	4.522483525	0.209889839	0.962214767
uc009nby.1 Tradd	-0.17151503	2.808894827	0.338206256	1
uc009dno.2 Cecr2	-0.1715417	5.591131159	0.200235928	0.955843506
uc008gsm.1 Ms4a6d	-0.17157916	1.945445713	0.736182668	1
uc009kto.1 Snapc2	-0.17161847	3.689409089	0.231609717	0.981022123
uc009pbj.1 Pvr1	-0.17177266	3.242086746	0.302863001	1
uc008sum.1 Col15a1	-0.1717809	8.777975671	0.36621799	1
uc009diy.1 Raf1	-0.17179272	7.395754563	0.043922445	0.503808231
uc008cim.1 Ddr1	-0.17182674	6.168818143	0.187832969	0.93333467
uc012ach.2 Gnb1l	-0.17188184	2.682276936	0.334905181	1
uc008pdn.2 Noct	-0.17188609	7.644137104	0.428828839	1
uc007xbh.2 Ttl12	-0.17199829	4.724643736	0.129718619	0.837957864
uc008sis.1 Nudt2	-0.17204817	3.168769176	0.292216506	1
uc011xvj.2 Trim11	-0.17206841	4.29944175	0.152482311	0.877249796
uc009ktz.1 Zfp958	-0.17212624	2.95510084	0.501364189	1
uc007gvz.3 Plxnc1	-0.17222382	1.82991786	0.715654469	1
uc008mld.2 Mavs	-0.17222685	6.333177326	0.062668277	0.608135951
uc009ipy.2 Lrrc51	-0.1722637	3.463154576	0.243776744	0.995630091
uc009gkh.3 Zfp507	-0.17233119	5.400590874	0.086181897	0.704875951
uc008uhj.2 Tesk2	-0.17235822	3.647612096	0.227818414	0.979557104
uc008jfh.2 Ciz1	-0.17247257	4.262224493	0.188131077	0.93439563
uc008jyh.1 Fastkd1	-0.17248274	4.348586801	0.133174603	0.846160234
uc009ozx.3 Hspa8	-0.17254782	9.625661824	0.119776838	0.810896239
uc012fzv.1 Grtp1	-0.17258417	2.923381736	0.386837583	1
uc009shc.1 Ccr2	-0.17268448	2.237296445	0.792442162	1
uc029wov.1 Zfp553	-0.17271053	2.640671721	0.348654962	1
uc009oob.1 Acp5	-0.17278383	9.06369533	0.109258784	0.781312964
uc008ino.2 Apbb1ip	-0.17290795	1.50154375	0.790598119	1
uc008grc.1 Tmem132a	-0.17296735	4.341663275	0.457503984	1
uc008bxp.2 Zfp870	-0.17298892	2.780187695	0.433108375	1
uc009cpj.2 Sfxn5	-0.17319054	6.472617049	0.103791459	0.765340761
uc009gfb.1 Iglfr1	-0.17325301	4.120930838	0.193954932	0.943260329
uc007hyt.2 Myo1g	-0.17329824	2.471641088	0.734814904	1
uc009pgu.2 Sidt2	-0.17332348	8.188737231	0.097765549	0.743303999
uc033iur.1 Phb2	-0.17332544	6.107949776	0.071699385	0.652919546
uc008nwr.1 Zfp335	-0.17337329	5.294972177	0.069024491	0.637495429

uc007oal.1 Zfp36l1	-0.17350445	7.365356365	0.326492153	1
uc009fwg.1 Sertad3	-0.17365978	2.205539164	0.469959785	1
uc009jvc.1 Zfp768	-0.17369854	4.455734122	0.164721674	0.904879406
uc009qds.1 Rbpms2	-0.17381756	4.878989907	0.134999981	0.849549304
uc009csh.2 Mxd1	-0.17392359	5.516717369	0.10323938	0.762816109
uc007ebv.1 Mfsd7b	-0.17402744	4.762047536	0.237394429	0.990123236
uc007czu.1 Lamc1	-0.17410269	9.270610417	0.045644168	0.514884459
uc007dku.2 Uck2	-0.17420486	3.185799671	0.324927769	1
uc009gku.2 Plekhl1	-0.17426884	3.108488942	0.359114067	1
uc029quu.1 Hmga2-ps1	-0.17436414	3.784165714	0.39519448	1
uc009hzn.3 Idh2	-0.17446149	7.132134166	0.106620539	0.774822678
uc008yzt.2 Mvk	-0.17448952	4.754488762	0.128237441	0.836373383
uc009qwr.2 Bckdhh	-0.17449564	6.577848607	0.033414354	0.425715057
uc009gmt.2 Etfb	-0.17461548	7.05412052	0.113766954	0.792351689
uc007hnf.1 A430046D13Rik	-0.17463385	3.374160129	0.282285253	1
uc007gha.2 Tjp3	-0.17481708	5.387984697	0.09248567	0.727658819
uc007low.2 Rpl27	-0.17483029	2.368519468	0.38297509	1
uc007zyj.1 Itn1	-0.1748978	6.624862957	0.13423662	0.847301547
uc012fyb.1 Oraov1	-0.174917	3.164706489	0.292974063	1
uc008rih.3 Egf	-0.17512733	2.244369525	0.410061358	1
uc008cax.2 Rxb	-0.17520401	5.201752158	0.066912062	0.626364948
uc007hvc.1 Zmat5	-0.17528784	2.170489642	0.389898067	1
uc009lvx.2 Nat2	-0.17529293	1.824322655	0.440305112	1
uc007kah.2 Trpv1	-0.17533709	4.935884302	0.136012587	0.850777789
uc009kbh.1 Pstk	-0.17535132	2.624704664	0.329702498	1
uc009auc.2 N4bp2l1	-0.17541125	6.470972846	0.175329285	0.922282106
uc008ght.1 Ppp2r5b	-0.17555739	5.339521071	0.220825212	0.970204378
uc008ewl.2 Dtwd2	-0.17557541	2.342944868	0.396639718	1
uc009odb.2 Birc3	-0.17558478	4.849481988	0.365040456	1
uc008gbo.2 Dpp3	-0.17568121	5.35164501	0.123024483	0.820478012
uc033hkq.2 Dnmbp	-0.17575045	5.024430081	0.095983243	0.741939051
uc007edg.2 Traf5	-0.17590907	2.376470397	0.421395418	1
uc008fni.1 Fam210a	-0.17596176	7.396999473	0.052263649	0.553333933
uc007npx.3 Gemin2	-0.17597673	2.321709966	0.376900622	1
uc008qpr.2 Hmgcs2	-0.17609582	6.464331425	0.393571558	1
uc009pii.3 Gm5617	-0.17623844	2.988501693	0.362123205	1
uc007wuo.1 Cbx6	-0.17629172	5.160143139	0.102333463	0.762816109
uc008eim.2 Polr2d	-0.17634152	3.405515328	0.274088441	0.998835363
uc009ahn.1 Nudt1	-0.17636517	1.914475699	0.448856708	1
uc007xdy.2 Cerk	-0.17636521	3.68663548	0.628447601	1

uc007uui.2 Gm5088	-0.17650892	4.114659149	0.161396095	0.898579269
uc007ujx.1 Chrna2	-0.17653404	2.876879112	0.436086812	1
uc007kfn.2 Rnmtl1	-0.17666129	2.449712539	0.362904882	1
uc007zlr.2 Cep97	-0.17676055	3.9865498	0.181180452	0.929759137
uc007umy.2 Rhobtb2	-0.17678263	5.086894169	0.094048054	0.733623275
uc007ysb.1 Igf2bp2	-0.17687019	3.948187177	0.352912544	1
uc007cee.2 Bok	-0.17690941	2.567171043	0.464286428	1
uc011xvz.1 Pigl	-0.17740664	5.067580347	0.170138715	0.912749998
uc008dyt.2 Zfp438	-0.17741585	3.930052831	0.198528428	0.952141763
uc008mlb.2 Ap5s1	-0.17746268	4.183301714	0.243393672	0.995630091
uc012cnt.1 4632415L05Rik	-0.17777534	3.292177784	0.328030085	1
uc008vbo.2 Eya3	-0.17792526	5.580810998	0.054242823	0.55862649
uc009cdl.2 A530053G22Rik	-0.17799332	4.958292331	0.186301699	0.930625075
uc007kog.1 Slfn2	-0.17831909	2.826686564	0.700789139	1
uc007mgv.2 Tmem104	-0.17845977	5.101799843	0.118151144	0.805118773
uc009jwh.1 Zfp629	-0.17851077	4.476911015	0.1427142	0.854892111
uc009sac.2 Vill	-0.17854299	3.030969283	0.34627316	1
uc008hns.2 Loxl4	-0.17855451	2.460043271	0.470974041	1
uc008tgs.1 6330416G13Rik	-0.17899717	4.410116774	0.298761682	1
uc008qiz.1 Prune	-0.17907151	6.567638281	0.109364149	0.781312964
uc007iry.2 Mgat4b	-0.1792106	7.263402147	0.122947482	0.820478012
uc008lsz.2 Rpusd2	-0.17928868	2.867939439	0.342115319	1
uc007lej.2 Cisd3	-0.17929214	3.746559205	0.256848119	0.995737605
uc009rqz.1 Nckipsd	-0.17931462	3.777221986	0.200711087	0.955905202
uc011zfx.2 Fhit	-0.17978839	1.790446139	0.422075384	1
uc009dqw.2 Clstn3	-0.17979574	5.005647517	0.316438247	1
uc009lll.1 6430573F11Rik	-0.17993929	2.207081991	0.406053748	1
uc007lew.1 Lasp1	-0.18009769	7.176857279	0.125336657	0.825562738
uc008hqi.1 Peo1	-0.18020853	4.26403365	0.164975358	0.904879406
uc009pwt.2 Stoml1	-0.18040483	3.334443874	0.232777828	0.981022123
uc009mbn.2 Pik3r2	-0.18041678	5.732833102	0.118568901	0.806472956
uc007eai.1 Kctd3	-0.18045773	6.326677793	0.060140014	0.595790669
uc007kzr.2 Ppp1r9b	-0.18058807	7.851152648	0.047473598	0.525971279
uc007bmv.1 Stk36	-0.1806438	1.559438455	0.486550589	1
uc009cfy.1 Rpia	-0.18068784	3.300740215	0.257866893	0.995737605
uc033isr.1 Tet3	-0.18071405	7.007982013	0.063049007	0.608243959
uc008owp.2 Mrpl47	-0.18091669	2.894346733	0.308997019	1
uc007qpt.2 Hk3	-0.18091683	2.159181179	0.74299288	1
uc008wrc.1 Kcnh2	-0.18099983	3.518782162	0.478242356	1
uc007awb.1 Kdelc1	-0.18108481	2.943041688	0.32804061	1

uc007ydb.1 AK013883	-0.18112775	4.916758465	0.226082412	0.977419304
uc057bjv.1 AK144056	-0.1813229	2.424575879	0.538013772	1
uc007nqp.1 Klhl28	-0.18137647	4.24214925	0.129055422	0.837957864
uc009esu.1 Klhl42	-0.18149481	5.608635983	0.10000588	0.756021987
uc007kkb.2 Lym9	-0.1815273	2.858842666	0.334248927	1
uc007qna.1 Syk	-0.18155564	4.060024218	0.713521241	1
uc009kvh.2 Cars2	-0.18158335	4.048189193	0.248361602	0.995737605
uc009rom.1 Amigo3	-0.1816073	1.832336228	0.439042898	1
uc009uoi.1 Apex2	-0.18168224	5.501926841	0.072538362	0.654623155
uc009uub.2 Rai2	-0.18172345	4.59511977	0.218916334	0.969299131
uc007jgx.1 Map2k3	-0.18180406	6.454674501	0.081626604	0.692776036
uc008pxo.2 Fdps	-0.18198824	3.045921034	0.3317161	1
uc007osx.1 9030617O03Rik	-0.18208757	5.623797293	0.102678023	0.762816109
uc008ppy.2 Dcst1	-0.1821893	3.341815723	0.300103433	1
uc008ump.2 AA415398	-0.18223278	2.911779018	0.335168285	1
uc007vhb.1 Adamts12	-0.18255083	7.10335036	0.060109191	0.595790669
uc012cjs.1 Mocs3	-0.1825716	3.148668743	0.297388151	1
uc008gjs.1 Ppp1r14b	-0.18269623	3.881566836	0.178094777	0.925234775
uc008qlf.1 Prpf3	-0.18280221	3.701886875	0.202674444	0.955905202
uc008fcm.1 Pcyox1l	-0.18297093	1.815328627	0.415398433	1
uc029wwq.1 Gm20735	-0.18315512	2.201370162	0.432854139	1
uc008ssb.2 Grhpr	-0.18320638	5.709468476	0.115772313	0.796639246
uc007hzk.1 Tns3	-0.18325953	5.088086842	0.308134153	1
uc008ira.2 Tprn	-0.18327776	2.623617063	0.326619598	1
uc007twj.2 Ajuba	-0.18336919	2.873163101	0.396931509	1
uc009ixz.2 Fam160a2	-0.18341068	6.167594991	0.037387689	0.456535375
uc007ost.1 Rps6ka5	-0.18345681	5.634343329	0.115147417	0.794948979
uc009fzq.3 Sars2	-0.18357506	3.124675114	0.264289772	0.997725501
uc007mzi.2 Ldah	-0.18358461	6.99502183	0.077278026	0.677979788
uc009aty.2 Brca2	-0.18360743	3.741394856	0.216022383	0.969205218
uc009epj.2 Ldhb	-0.18363862	5.326509077	0.205343867	0.959893505
uc007wkq.2 Fbxl6	-0.18400788	4.316447831	0.136038541	0.850777789
uc007lvn.1 Rprml	-0.18410335	3.442347174	0.393085291	1
uc009npw.1 Dnaaf1	-0.18435879	3.35896185	0.246185446	0.995630091
uc007qru.2 B4galt7	-0.18441744	3.546090134	0.178390354	0.925322671
uc007hno.2 Rps26	-0.18457112	2.425989575	0.385014105	1
uc007qgr.2 Jarid2	-0.18465129	6.50951374	0.11477863	0.794451386
uc011yuu.1 Zfp839	-0.1847302	4.454830154	0.121593098	0.816757031
uc008tyd.2 Prkaa2	-0.18477112	6.206576185	0.160991512	0.896943318
uc009fqa.1 Zfp575	-0.18505714	2.086468313	0.3731813	1

uc008oor.1 Tpd52	-0.18508545	2.894814705	0.639452647	1
uc012epk.1 Slc25a26	-0.18519701	3.817385765	0.166453918	0.905719403
uc007knk.2 Rffl	-0.18523267	5.208494818	0.130117729	0.839096931
uc007hgh.2 Ppm1h	-0.18529239	3.881685474	0.276653891	1
uc008vhw.1 Zfp46	-0.18566615	4.364143904	0.210758813	0.964075823
uc009nrh.2 Cox4i1	-0.18571081	7.345855321	0.042607292	0.494889746
uc009hek.1 AK081140	-0.18587802	3.165501611	0.331951309	1
uc007yrr.2 Map3k13	-0.18605283	1.894638625	0.453265361	1
uc011wlq.1 Fzd7	-0.18606883	5.836070587	0.117159565	0.801824383
uc009tux.2 Ophn1	-0.18607694	6.629918544	0.09121647	0.725708618
uc008cwm.2 Foxp4	-0.18630759	3.872059507	0.224043248	0.974788211
uc008qct.1 S100a1	-0.18633151	6.132973745	0.054911264	0.560641976
uc009kyp.2 Champ1	-0.18637154	4.300818367	0.119561783	0.810730177
uc008tjv.1 Lurap1l	-0.18639767	1.984610807	0.425710821	1
uc007jvv.2 Pfn1	-0.18648109	5.781130861	0.138936588	0.851834194
uc009gxv.2 Emp3	-0.18648303	1.81447851	0.70523181	1
uc009cix.1 Retsat	-0.18649307	7.575244199	0.136885052	0.850777789
uc008jcd.2 Sh3glb2	-0.18649952	7.335751301	0.045846563	0.515179177
uc009jlu.2 Eri2	-0.18661467	6.103576763	0.138952812	0.851834194
uc009ttx.2 Amer1	-0.18667453	5.984121729	0.071951356	0.653155419
uc008ooq.2 Mrps28	-0.18676703	3.076224868	0.286336503	1
uc008vwz.2 Tmem201	-0.18684254	5.586343879	0.074048002	0.662294924
uc008nvw.1 Ncoa5	-0.18705675	4.619452246	0.121531444	0.816757031
uc007chs.2 Serpib8	-0.18711492	3.202874999	0.431329494	1
uc007moj.1 Pgs1	-0.18715406	5.49459115	0.113357687	0.791998107
uc008ijt.2 Pter	-0.18719877	3.34133035	0.231898999	0.981022123
uc009eme.1 H2afj	-0.18721201	3.827776875	0.208170356	0.96053742
uc007egw.2 Esr1	-0.18727468	8.401627457	0.166942305	0.905719403
uc008aes.1 Tfb1m	-0.18732974	2.976974711	0.290113671	1
uc008agr.2 Tmem181b-ps	-0.18742191	2.190579731	0.397294998	1
uc009tgk.2 Slc9a6	-0.18748698	7.259431437	0.198488776	0.952141763
uc009jxm.1 Prss36	-0.18749246	4.247653702	0.123475533	0.820478012
uc009lxq.1 Zfp866	-0.18753536	4.472705205	0.255996909	0.995737605
uc007kmy.1 Zfp830	-0.18761033	2.668875111	0.322940403	1
uc007mqn.1 Slc26a11	-0.18765396	3.780316825	0.164921109	0.904879406
uc007wnj.1 1700109K24Rik	-0.1877939	2.835138296	0.414530653	1
uc007jvg.2 Pld2	-0.18779741	4.912596063	0.109404881	0.781312964
uc009hxo.1 Det1	-0.18781203	3.247800759	0.266107774	0.99851571
uc009myf.1 Zfp319	-0.18786291	4.070276272	0.174032842	0.922282106
uc007mil.1 Tmem94	-0.1880255	6.672751659	0.033238054	0.424848932

uc007uol.2 Fam160b2	-0.1880563	5.399659011	0.059431647	0.591047657
uc057bom.1 AK134859	-0.18828815	1.997366211	0.450879864	1
uc007fva.2 Pcbp3	-0.18829658	3.420233345	0.21563627	0.968365516
uc008zlh.3 Camkk2	-0.18836717	6.052079598	0.094377931	0.734153963
uc009mau.1 Eil	-0.1883886	5.991072221	0.156071517	0.886375166
uc009nkv.2 Vac14	-0.18872601	5.973889742	0.090622434	0.72432374
uc007vrt.1 Taf2	-0.18887981	5.845041182	0.03154131	0.413292186
uc009bvb.1 Zfp775	-0.18894195	3.159851858	0.250978176	0.995737605
uc009gea.1 Clip3	-0.18900148	1.899086481	0.47349927	1
uc012hdi.2 4930526 15Rik	-0.18902577	2.002173661	0.441089141	1
uc007edp.2 Hhat	-0.18904373	1.89250798	0.400829191	1
uc008gan.1 Sptbn2	-0.18906935	3.53359282	0.252173557	0.995737605
uc029tsy.1 Dclre1a	-0.18910237	4.210906047	0.165544341	0.904879406
uc007rkj.2 Msh3	-0.18912371	4.931163923	0.072443741	0.654623155
uc008ayi.1 Msrb1	-0.18929068	5.952864077	0.134847026	0.849549304
uc008ayn.1 Igfals	-0.18931225	6.357778907	0.243614829	0.995630091
uc008ypr.2 Gtpbp6	-0.18946646	4.469267703	0.131757103	0.842238983
uc008www.1 Slc5a6	-0.18960675	7.379529003	0.149500653	0.872274804
uc008wtc.2 Actr3b	-0.18984818	1.759555864	0.490469084	1
uc009ctr.2 Aplf	-0.18990538	2.073371913	0.415518033	1
uc008usm.2 Stk40	-0.18996055	6.360727061	0.040219599	0.47858136
uc007fux.1 Col6a1	-0.18999529	7.156740986	0.355601572	1
uc008wrl.1 Cdk5	-0.19023132	4.474262301	0.155649381	0.885782101
uc008jwx.1 Ttc21b	-0.19025341	4.274137581	0.111739988	0.785719699
uc012aco.1 Yeats2	-0.19035298	5.914083685	0.041213147	0.485226642
uc009llj.1 Lonrf1	-0.19055179	4.833623112	0.316657713	1
uc012bli.1 Plce1	-0.19065211	7.106296582	0.114430701	0.793970806
uc009fxz.2 Dyrk1b	-0.19076096	5.689054967	0.084735551	0.701685767
uc007qbh.1 Slc22a23	-0.19094161	6.882800764	0.142284991	0.854711616
uc009fnc.2 Tomm40	-0.1910406	5.20231361	0.063178676	0.608963052
uc007whb.1 Top1mt	-0.19108482	2.621102327	0.308971012	1
uc008rqq.2 Cyr61	-0.19113319	8.005707355	0.500710663	1
uc009gkv.1 Pop4	-0.19118053	3.45780167	0.21856064	0.969299131
uc008bcn.1 Rab40c	-0.19123501	4.724159674	0.087309138	0.708772391
uc007mcv.1 Fam20a	-0.19127716	2.230136092	0.396745427	1
uc007ihc.2 Mtif2	-0.19137332	4.910974796	0.06947621	0.641131341
uc008dvz.2 Nrxn1	-0.19143944	2.623234826	0.519692049	1
uc008lsn.1 A430105 19Rik	-0.19175242	4.648230839	0.219861994	0.969299131
uc007njp.2 Bzw2	-0.1917846	5.258247589	0.102108556	0.762816109
uc008xff.1 Wfs1	-0.19179673	5.187397421	0.079150299	0.678994407

uc008isl.2 Traf2	-0.1918037	4.012401731	0.143291852	0.855478051
uc008gkd.2 Fermt3	-0.19201316	3.82539442	0.374842665	1
uc009bmo.1 E330009J07Rik	-0.19213326	5.181237005	0.077441147	0.677979788
uc007mob.2 Afmid	-0.1921501	2.111518564	0.404090316	1
uc009hzu.1 Gdpgp1	-0.19246903	2.260545192	0.395678291	1
uc008zed.2 Rplp0	-0.19247025	7.237365263	0.023175141	0.339512742
uc009baf.2 St7	-0.19266937	4.267025455	0.115143792	0.794948979
uc007zsf.2 Mir99ahg	-0.19297194	4.081002019	0.169088458	0.910191348
uc011xjk.1 Ankrd24	-0.19300156	2.186489994	0.378416273	1
uc009kva.1 9530052E02Rik	-0.19305176	9.764357697	0.259212273	0.995737605
uc007ayv.3 Pms1	-0.19312072	2.203368129	0.366371828	1
uc008ypt.2 Zfp605	-0.1931348	2.246279529	0.393866409	1
uc009rrx.2 Ccde51	-0.1931403	2.504553801	0.336647855	1
uc008kiv.2 2700094K13Rik	-0.19322944	2.357696279	0.328602983	1
uc008pbw.2 Abhd18	-0.193298	3.228746976	0.250420394	0.995737605
uc008kxf.1 Creb3l1	-0.19332296	2.579365709	0.462530627	1
uc007grf.2 Nup37	-0.19335672	2.591433051	0.293221324	1
uc007tha.2 Ddhd1	-0.19346779	5.743368255	0.078385795	0.677979788
uc008ucj.2 Ttc39a	-0.19357059	3.02844268	0.486572406	1
uc008tlg.2 Bnc2	-0.19373125	6.899158168	0.088873905	0.714063945
uc011zta.1 Fam83a	-0.19393042	5.331174255	0.27251297	0.998835363
uc009rhs.1 Mrpl3	-0.19395335	5.267938593	0.042263005	0.492964263
uc029sdh.1 A430090L17Rik	-0.19400956	1.716906619	0.502995019	1
uc009utr.2 Cdkl5	-0.19404867	2.329202976	0.372909498	1
uc007jgu.2 Natd1	-0.1943113	5.474605414	0.14701938	0.86658275
uc007irw.2 Sqstm1	-0.19448121	9.278153269	0.107036696	0.77589732
uc008ooj.2 Il7	-0.19469547	3.974920473	0.332165607	1
uc008vae.2 Mecr	-0.19479034	5.621429832	0.177747688	0.925227669
uc008jhv.1 Zbtb43	-0.19483143	5.136460503	0.090961981	0.7248736
uc007yqi.1 Ece2	-0.19490991	2.461387941	0.359232012	1
uc057bdy.1 AK038238	-0.1953642	2.266222562	0.456780017	1
uc008utt.2 Ncdn	-0.19555363	4.991428143	0.109210796	0.781312964
uc008hkw.2 Aldh18a1	-0.19572422	3.823653139	0.259781128	0.995737605
uc007zrx.1 Nrip1	-0.19576551	8.918941968	0.164981592	0.904879406
uc007cln.2 Mcm6	-0.19598719	3.297335371	0.328684356	1
uc007yqz.1 Polr2h	-0.19604318	2.365263803	0.338413706	1
uc007gbm.1 Sbno2	-0.19617742	8.215664928	0.476121359	1
uc012djw.2 Szt2	-0.19645628	5.356664785	0.083191315	0.698183593
uc007xpb.2 Mcrcs1	-0.19657952	3.460385339	0.177606854	0.925065256
uc008hvq.2 Gsto1	-0.19675966	6.295453955	0.089015236	0.71458016

uc007wvm.1 Rps19bp1	-0.1968106	2.118298889	0.345581683	1
uc007ynv.2 Comt	-0.19695193	7.342819537	0.073178601	0.657179536
uc009dod.2 Pex26	-0.19701485	4.277841775	0.163051725	0.902791655
uc007ehw.2 Lrp11	-0.19712194	3.385704199	0.237596951	0.990160092
uc007uzx.1 Rap2a	-0.19713667	4.339784153	0.191098877	0.937758335
uc009lyt.1 Rfxank	-0.19714003	3.839000296	0.138945399	0.851834194
uc007hiw.1 Mbd6	-0.19718098	4.691063479	0.066681833	0.624767128
uc008ztt.1 Gusb	-0.1973727	6.060010208	0.145215348	0.860464731
uc008dbn.1 Plin3	-0.19760963	5.224971536	0.121063673	0.815294406
uc012bgf.1 Carns1	-0.19772522	2.400364566	0.36085103	1
uc012adc.1 Chrd	-0.19787095	5.039058111	0.080823764	0.688872915
uc007mdf.1 Abca8a	-0.19791103	7.014095426	0.134119706	0.847301547
uc007hyz.2 Tbrg4	-0.19795556	5.214987622	0.063001418	0.608243959
uc008bem.2 Bnip1	-0.1980133	2.902867143	0.262617846	0.995737605
uc029sto.1 Gm16576	-0.19804777	2.688510759	0.323180292	1
uc007ujb.2 Fzd3	-0.19806875	4.301218317	0.230148137	0.981022123
uc009rng.2 Mon1a	-0.19808938	4.337617307	0.130221459	0.839096931
uc012hjn.2 Mamld1	-0.1982312	2.864422671	0.267756655	0.99851571
uc009bgz.1 Akr1b8	-0.19829934	3.959447493	0.296148066	1
uc009och.1 Mmp12	-0.19831915	2.535317218	0.830531741	1
uc009buv.1 Repin1	-0.1983206	5.662268932	0.069823422	0.642189441
uc007fyx.2 Mier2	-0.1983941	4.330164718	0.084931547	0.701685767
uc007icd.1 Wdr92	-0.19878068	3.469467091	0.193232865	0.942953002
uc008eeu.2 B4galt6	-0.19916919	3.638417294	0.591547333	1
uc007fzo.2 Polrmt	-0.19934791	5.071124542	0.062195301	0.605828305
uc007tym.2 Dhrs4	-0.19952596	5.702175594	0.02937631	0.396566204
uc007moh.2 Tha1	-0.19963748	2.299497278	0.317540842	1
uc007uyv.2 Abcc4	-0.19980334	3.623150389	0.346664171	1
uc008ssr.2 Slc25a51	-0.19980691	8.263485175	0.100957592	0.759746792
uc009buh.1 Zfp467	-0.19990055	5.649777774	0.157923111	0.88809429
uc009nqm.1 Klhl36	-0.20000233	3.121342347	0.216822502	0.969299131
uc008hcp.1 4430402118Rik	-0.20038402	2.881281668	0.268927695	0.998835363
uc009gfl.1 Cox6b1	-0.20047776	5.789881225	0.143005662	0.855478051
uc009ill.2 Serpinh1	-0.2006659	8.050634318	0.087865407	0.709474627
uc007mxh.1 Dnmt3a	-0.20078718	6.28265499	0.029336054	0.396566204
uc007apn.2 Hs6st1	-0.20086873	5.269285078	0.067930794	0.631619148
uc007szj.1 Vstm4	-0.20090291	1.603214885	0.493546738	1
uc009rgg.1 Srprb	-0.20123036	5.456661062	0.034500606	0.431589684
uc008kyc.1 Slc35c1	-0.20131745	3.714519082	0.162222835	0.901818538
uc009flq.1 Ercc2	-0.20149094	5.012346742	0.065471737	0.619178771

uc012aao.1 Tnk2	-0.20163022	6.227511751	0.171181353	0.915101609
uc007dtn.2 Fh1	-0.20163294	7.253689261	0.056885291	0.574890144
uc008gsx.1 Mrpl16	-0.20172451	3.50591051	0.231083724	0.981022123
uc012dxo.1 Aasdh	-0.2019888	4.375069977	0.091631217	0.726411429
uc009ojk.2 Ppan	-0.20200571	3.023260222	0.273141482	0.998835363
uc009mco.2 Ocel1	-0.20225042	3.16668324	0.212481109	0.965870918
uc009rft.2 Anapc13	-0.20236265	3.110339815	0.237268	0.990123236
uc012bmk.1 Pdzd7	-0.20238415	2.800852655	0.323159587	1
uc007yic.1 Pkp2	-0.20242106	5.835587545	0.257312064	0.995737605
uc008cek.2 1110038B12Rik	-0.20243879	1.980492602	0.383031132	1
uc007fam.2 Lilr4b	-0.20253493	3.919869028	0.662863542	1
uc009bty.2 Krba1	-0.2026342	4.392538052	0.131327797	0.841837647
uc009nrd.1 Gins2	-0.20267833	1.628709207	0.436013954	1
uc008lsw.1 Bahd1	-0.20268996	5.472761564	0.031674267	0.414384612
uc007mtp.1 Pcyt2	-0.20272001	5.556475558	0.062970817	0.608243959
uc011yjf.1 Sirt7	-0.20280406	4.326066109	0.090783896	0.724523914
uc007gfc.1 Sppl2b	-0.20282295	4.748350636	0.10884561	0.781312964
uc008gpm.1 Dagla	-0.20294329	4.324194058	0.184780096	0.930625075
uc007dyc.1 Trp53bp2	-0.20296633	5.710936572	0.050183204	0.54262528
uc008svk.1 Tmeff1	-0.20303197	5.566349845	0.048176291	0.530563618
uc009omx.1 Ccdc159	-0.20314837	3.082190192	0.233237303	0.981022123
uc056zma.1 Ttc16	-0.2032912	4.405573435	0.086505924	0.706042033
uc012ecr.1 Rita1	-0.20348511	2.139537014	0.336752836	1
uc009err.1 Rassf8	-0.20352302	4.922928873	0.087409726	0.708772391
uc033ibg.1 Gm6297	-0.20359328	1.859833138	0.420731368	1
uc007jcn.1 Zfp39	-0.20366313	2.880187335	0.363186981	1
uc011yyi.1 Fam217a	-0.20375589	1.897185554	0.375177376	1
uc012bpb.1 5031426D15Rik	-0.2041238	1.903220494	0.526390509	1
uc007gvp.2 Nr2c1	-0.20423324	4.756216482	0.089973537	0.72122474
uc007lpp.1 Rdm1	-0.20427202	3.296208236	0.203206342	0.955905202
uc012ggc.1 Tom1	-0.20430744	2.983080259	0.214221332	0.968295717
uc008kco.3 Gpr155	-0.20440015	4.185600062	0.11174775	0.785719699
uc008mie.2 Stk35	-0.20442712	6.837676945	0.105345304	0.770863385
uc009btr.2 Zfp956	-0.20444654	3.91948362	0.132714933	0.845426267
uc007dgx.1 Fmo1	-0.20453759	8.286608954	0.137358844	0.850777789
uc007ewd.1 Rev3l	-0.20463184	6.93218544	0.023800528	0.345039159
uc008alq.1 Acat2	-0.20489943	5.837241442	0.1291168	0.837957864
uc007fqi.1 Gucd1	-0.20497723	6.218986064	0.099283835	0.751671861
uc009fxg.1 Zfp607	-0.20530211	3.202669895	0.216115126	0.969227644
uc009naw.1 Pdp2	-0.20530772	5.952730363	0.106559369	0.774822678

uc008pef.2 Maml3	-0.20531943	1.759803746	0.479658034	1
uc009ook.2 Anln	-0.20540783	3.799724526	0.128759519	0.837957864
uc009mlh.2 Adgrl1	-0.20541181	4.982233372	0.065667927	0.619534082
uc007vdj.2 Fyb	-0.20548396	4.383738388	0.211772302	0.964695469
uc009hzp.1 Sema4b	-0.20548399	6.029495749	0.068200772	0.632997564
uc007oju.2 Adck1	-0.20549064	4.707010703	0.068890125	0.636786882
uc007icf.2 Etaa1	-0.20558601	2.903029552	0.249639184	0.995737605
uc007ymm.1 Dgcr14	-0.205936	3.793623985	0.140996877	0.853865953
uc008run.1 Al606473	-0.20596099	2.25095477	0.454211183	1
uc007uky.1 Gm6878	-0.20597051	1.982540862	0.428269397	1
uc057ayb.1 AK082641	-0.20611833	3.586840321	0.319442547	1
uc009nrv.3 Fbxo31	-0.20616428	6.381587652	0.129286597	0.837957864
uc009pfa.2 Mpzl2	-0.20632637	3.557156839	0.247511148	0.995737605
uc007xrd.2 Slc11a2	-0.20644376	5.660976872	0.045139282	0.513500014
uc008mbp.2 Sema6d	-0.20661926	6.347744642	0.055797328	0.56649219
uc007zzq.2 Setd4	-0.2067154	2.739399964	0.355064409	1
uc008fun.1 Zadh2	-0.20683171	6.110427798	0.081882511	0.694147521
uc007dhm.2 Gorab	-0.20695739	2.999488056	0.260051312	0.995737605
uc008ass.1 Thoc6	-0.20699861	4.848807588	0.092508056	0.727658819
uc007pcy.2 Tnfaip2	-0.20708135	3.086565988	0.6929477	1
uc008rcq.1 Agl	-0.20718393	6.814164121	0.046067126	0.516440491
uc008hhs.1 Ppp1r3c	-0.20744081	6.502308473	0.382442215	1
uc008uww.1 Zbtb8a	-0.2075233	2.240729302	0.304383957	1
uc007wpe.2 Mpst	-0.20756545	5.715515682	0.067525564	0.629437832
uc008hwk.3 Add3	-0.20766119	5.647903385	0.062996253	0.608243959
uc008goh.1 Tut1	-0.20767241	3.948440169	0.130332495	0.839096931
uc009ahj.1 Mad1l1	-0.2076731	3.512732931	0.194644215	0.944242424
uc033hjk.1 Ms4a7	-0.20781096	1.690882246	0.670707394	1
uc029wwr.1 2810013P06Rik	-0.20822344	3.779245053	0.199916332	0.955779024
uc008pvr.1 Ubqln4	-0.20878618	5.916537775	0.031930752	0.414833454
uc009idw.1 Mesdc1	-0.20906746	5.160997484	0.166411766	0.905719403
uc007ymu.1 Prodh	-0.2092184	6.939198648	0.177825307	0.925227669
uc009ucg.1 Itm2a	-0.20924991	5.411807983	0.064118486	0.610562752
uc008wqz.1 Nupl2	-0.20929823	2.8870669	0.229953217	0.981022123
uc008ekm.2 Pkd2l2	-0.20943344	3.109366036	0.215439237	0.968365516
uc008ixh.2 Vav2	-0.20944143	6.081746619	0.026674806	0.372032716
uc009mbi.2 Rab3a	-0.20957168	2.870285416	0.258652343	0.995737605
uc009fer.1 Zfp324	-0.20984394	3.466272169	0.255900165	0.995737605
uc009aeu.1 Mcm7	-0.20986391	4.097149439	0.124558249	0.8238745
uc007ofg.2 Entpd5	-0.20988197	7.557258876	0.082304918	0.695443371

uc007ryw.2 Nnt	-0.2102166	4.636146451	0.384938057	1
uc009mdl.2 Ano8	-0.21030041	5.070385258	0.065771493	0.619534082
uc008frs.1 Haus1	-0.21066335	2.831355041	0.238800153	0.990160092
uc007uxc.1 Rnf219	-0.21113156	1.984526503	0.352092677	1
uc009frj.2 Zfp574	-0.21125519	4.672376228	0.061963173	0.605828305
uc009piu.2 Zw10	-0.21152563	4.274730132	0.060226829	0.596016944
uc009ras.1 Plscr4	-0.21161719	5.02871747	0.060559662	0.597703238
uc007dnl.1 Fcer1g	-0.21164256	1.916227115	0.675537381	1
uc056zej.1 Cd320	-0.21172273	5.133212013	0.151085356	0.874354268
uc008fyd.1 Doc2g	-0.21178076	2.817022617	0.265554821	0.99851571
uc009kdc.2 Edrf1	-0.21193758	5.430594743	0.019857465	0.308346751
uc008usk.2 Lsm10	-0.21204491	3.674675189	0.21127372	0.964443891
uc007eby.2 Tatdn3	-0.21250298	3.165278905	0.184585693	0.930625075
uc007jff.2 Cenpv	-0.21257614	4.272618196	0.086838113	0.706863519
uc007evq.2 Lama4	-0.21261657	9.446097705	0.023944079	0.346186248
uc007fdt.3 Mcu	-0.21276642	3.843586342	0.104429868	0.766466657
uc008xct.1 Mfsd10	-0.21288337	3.552208363	0.140044441	0.851834194
uc008lgj.2 Accs	-0.21298567	3.960444052	0.186869533	0.931060382
uc009dvm.1 D6Wsu163e	-0.21380134	4.274162112	0.067322366	0.629099343
uc009mup.2 Ces1f	-0.21380179	8.313144122	0.175994768	0.922282106
uc009mxc.1 Nr2f6	-0.21380825	5.068242609	0.050253998	0.54262528
uc007dla.2 Rxrg	-0.21393081	5.030910588	0.10035007	0.757667037
uc007vtp.1 Trmt12	-0.21396304	2.678498898	0.294247319	1
uc029shu.1 AK019848	-0.21434949	3.750067098	0.416028765	1
uc008itz.2 Ubac1	-0.21437077	4.881961544	0.065681825	0.619534082
uc009kve.1 E230013L22Rik	-0.21440739	3.712739148	0.404593322	1
uc009mhm.1 Arhgap10	-0.21490644	3.396149675	0.36757862	1
uc009aum.2 Stard13	-0.21527817	6.72320918	0.12494976	0.82403019
uc007neo.2 Klf11	-0.21528794	5.607046172	0.113969382	0.792852547
uc009bwi.2 Igf2bp3	-0.21538087	2.193852987	0.316834721	1
uc007nrf.1 Fancm	-0.21603177	4.88778972	0.033232292	0.424848932
uc056zyx.1 AK079811	-0.21642294	2.600769591	0.299074529	1
uc007eei.2 G0s2	-0.21647922	7.150802466	0.040250053	0.47858136
uc007lql.2 Mpp2	-0.21665122	5.00904318	0.174665206	0.922282106
uc007zzw.1 Dopey2	-0.21678755	6.738762748	0.052347815	0.553333933
uc008pcc.1 Larp1b	-0.21707624	1.636022751	0.388259905	1
uc008ozg.2 D3Ert254e	-0.21709359	5.838505417	0.024522439	0.349967522
uc009mbe.2 Jund	-0.21714605	8.177556057	0.130289885	0.839096931
uc009kfo.1 Pwwp2b	-0.21717411	2.440467513	0.338188818	1
uc007peb.2 Zfyve21	-0.21726176	4.505111446	0.097349777	0.743141424

uc009rni.1 Mst1r	-0.21728433	6.035340692	0.046840913	0.522211103
uc007uam.1 Rabggta	-0.21732016	3.862643155	0.138328079	0.851834194
uc007bab.2 Hspd1	-0.21756742	6.969449819	0.01928698	0.302190042
uc009ksd.2 Pcp2	-0.2175885	2.09196047	0.312898782	1
uc008byb.2 Zfp955a	-0.21781492	2.547719169	0.384766569	1
uc009cmn.1 Mogs	-0.21805911	4.041378303	0.085829899	0.704875951
uc008oah.3 A530013C23Rik	-0.21837306	3.377665283	0.208441976	0.960955786
uc008zrr.1 Bri3bp	-0.21857902	4.14737126	0.118472401	0.806313086
uc009aag.2 Sh2b2	-0.21888518	6.982724481	0.077313497	0.677979788
uc009kqc.1 Dhcr7	-0.21899552	3.616633939	0.140602458	0.853817895
uc008axy.2 Rps2	-0.21919934	4.711444093	0.038069341	0.461595989
uc007xcc.1 Ldoc1l	-0.21945805	2.370693293	0.265604652	0.99851571
uc008ulf.2 Zfp691	-0.21954128	1.656440496	0.366382563	1
uc007xbx.1 Samm50	-0.2196195	6.041159895	0.066281674	0.62310415
uc033gmm.1 Mir692-3	-0.21963126	3.038050983	0.263675954	0.997473088
uc009ooc.1 Pigyl	-0.2197524	3.31734107	0.175420806	0.922282106
uc007jfg.1 Med9	-0.21989923	4.696293587	0.052125829	0.553333933
uc008gdv.1 Ap5b1	-0.21991374	3.494880697	0.19454635	0.944217393
uc007gzl.1 Nav3	-0.22002215	5.942722595	0.094547857	0.734441373
uc009fkt.2 Fbxo46	-0.22011074	3.578974377	0.145613452	0.860464731
uc009mml.2 Ccdc130	-0.2203298	2.175114378	0.276567461	1
uc009nww.2 Galnt2	-0.22107985	8.152920313	0.010513171	0.205901564
uc029uyj.1 Wdr78	-0.22113393	2.411271807	0.26227198	0.995737605
uc008suj.1 Anks6	-0.22139177	2.690918636	0.244532726	0.995630091
uc011xzb.1 Mnt	-0.22151579	4.374102635	0.097081607	0.743141424
uc009bdb.2 Impdh1	-0.22158768	4.836308182	0.059346464	0.591047657
uc008hbl.2 2610016A17Rik	-0.2218965	2.93417279	0.439393682	1
uc008mky.3 Cdc25b	-0.22200104	3.920805392	0.222532893	0.973118896
uc009mop.1 Junb	-0.22208522	9.226023297	0.08319575	0.698183593
uc009quo.2 Slc17a5	-0.22213898	4.391526717	0.051533486	0.549434459
uc009lws.1 AK170106	-0.2225096	5.855479387	0.231589183	0.981022123
uc009cvs.2 Abtb1	-0.22269663	3.55856544	0.120577558	0.814617556
uc007ypx.1 Dvl3	-0.2227607	4.761056305	0.066102033	0.621944682
uc012fjz.1 Bcl2l12	-0.22306782	2.199658768	0.28557496	1
uc008qxz.2 Ampd2	-0.22313176	4.952017699	0.054508501	0.559096537
uc009frf.2 Atp1a3	-0.22313655	3.595389723	0.565106337	1
uc009cvx.2 Mcm2	-0.22321129	2.232400004	0.327717315	1
uc008hos.2 Entpd7	-0.22324415	3.898315021	0.180355827	0.928336657
uc009gyp.2 Sergef	-0.22343797	2.547991264	0.207865016	0.96053742
uc007jab.1 Galnt10	-0.22347479	5.455089904	0.135333311	0.850162102

uc007rx.f.1 BC067074	-0.22379419	4.97067294	0.083583915	0.698183593
uc009ptm.1 Cspg4	-0.22380946	8.941282545	0.084926794	0.701685767
uc009ayu.2 1110019D14Rik	-0.22418688	1.98542697	0.300596489	1
uc011zaz.1 Habp4	-0.22449529	3.23697983	0.16823811	0.908288449
uc008wbu.1 Prdm16	-0.22451334	5.478662961	0.081182275	0.69086241
uc007rss.1 Sgtb	-0.22525471	2.543774678	0.234475584	0.984797455
uc007qjv.2 Iars	-0.22525584	5.612095924	0.021609377	0.32698243
uc009rdz.1 Cep70	-0.22526365	4.709643632	0.121120598	0.815294406
uc009cgb.2 Eif2ak3	-0.22580429	5.082071661	0.026859004	0.372719289
uc008kxv.2 Mapk8ip1	-0.22604497	4.216687155	0.116432365	0.799323742
uc009joe.2 Ears2	-0.226085	4.144378985	0.072469854	0.654623155
uc007ght.1 Fzr1	-0.22650291	4.887037501	0.043412642	0.500559542
uc009aju.2 Zfp12	-0.22683057	4.538414072	0.081398049	0.692165395
uc007jpp.1 Cntrob	-0.22700747	2.802741297	0.260828795	0.995737605
uc009ezk.1 Zfp865	-0.22736605	4.637527202	0.0378341	0.461275346
uc009jkx.2 Gprc5b	-0.22739504	7.577119592	0.046945694	0.522744086
uc008wwz.2 Cad	-0.2276174	5.589791895	0.054977057	0.560735524
uc007wms.1 Commd5	-0.22763698	2.742409518	0.23951834	0.990265182
uc007bnx.2 Abcb6	-0.22798818	5.444271187	0.063404551	0.609111688
uc009afu.2 A430033K04Rik	-0.22799471	2.869590402	0.254027243	0.995737605
uc007rwa.1 Map3k1	-0.22825276	6.690348019	0.030343496	0.404592703
uc007kjs.1 Ift20	-0.22841623	3.059868263	0.17250802	0.918853746
uc033jdx.1 Camsap3	-0.22867808	2.374782438	0.258701729	0.995737605
uc012axu.1 Pkdcc	-0.22886418	5.402183898	0.122551268	0.819928105
uc007msm.2 Faap100	-0.22912026	4.174194254	0.100063747	0.756021987
uc008xrh.2 Atp10d	-0.2297965	6.021596437	0.087767148	0.709474627
uc008wql.2 Al506816	-0.22981791	5.142774925	0.048850125	0.535847546
uc008zsb.1 Slc15a4	-0.22997959	5.587746332	0.014750764	0.254987383
uc007ztw.1 Adamts5	-0.23030389	8.058590781	0.090844253	0.724523914
uc012gqj.1 Pus3	-0.23066956	2.754395167	0.234198387	0.984007374
uc008jfk.2 1110008P14Rik	-0.2307852	3.905693584	0.21478974	0.968365516
uc008vte.2 Miiip	-0.23118291	3.701793856	0.135682007	0.850553378
uc008vlj.2 Pla2g5	-0.23121061	2.258156968	0.48509608	1
uc009ajw.2 Zfp316	-0.23128445	4.212341156	0.061858089	0.605748629
uc057bgj.1 AK031532	-0.23160567	3.577021924	0.175323757	0.922282106
uc008szm.1 Ptgr1	-0.23174028	1.783920277	0.39809553	1
uc007zgo.2 Ccadc191	-0.23177503	2.389375559	0.255356673	0.995737605
uc011xin.1 Mum1	-0.23260556	5.669641423	0.04428087	0.505818505
uc007txa.1 Slc7a8	-0.23261171	4.218396409	0.219388975	0.969299131
uc008sya.2 Ptpn3	-0.23263162	3.375095397	0.186433294	0.930625075

uc012gbs.1 Rab11fip1	-0.23273414	2.535900135	0.436090578	1
uc007yhj.2 Abcc1	-0.23276117	7.292128215	0.041402661	0.486525315
uc007bkl.2 Xrcc5	-0.23294275	3.547245718	0.133206838	0.846160234
uc008irr.1 Uap1l1	-0.23296424	3.149198089	0.279880648	1
uc009dpk.1 Apobec1	-0.2333867	3.767698526	0.382131622	1
uc009uai.1 Uprt	-0.23341475	3.108879297	0.140175238	0.852160528
uc008pra.2 Sh3d19	-0.23346973	5.644435036	0.099007585	0.750609323
uc007bqo.2 Acs13	-0.23349346	4.117807745	0.083816683	0.698183593
uc007nbw.1 Ntsr2	-0.23351529	1.730827581	0.451776404	1
uc007lua.1 Map3k14	-0.23357715	4.316955361	0.147449226	0.867095157
uc009rkb.1 Rrp9	-0.23374317	3.391015905	0.134149549	0.847301547
uc009lhy.1 Brf2	-0.23406777	2.460385435	0.220472528	0.970204378
uc008iik.2 Pfkfb3	-0.23431068	10.61412471	0.055797891	0.56649219
uc007ash.2 Lipt1	-0.23438453	2.953619828	0.232146726	0.981022123
uc009mad.2 Comp	-0.23446307	1.998496502	0.694886004	1
uc008qyx.1 Celsr2	-0.23446389	8.633188988	0.189647131	0.936250734
uc009nox.1 Gan	-0.23486302	3.994001567	0.121984885	0.817624417
uc007ppe.2 Epd1	-0.23513546	3.120406618	0.402138287	1
uc007twk.1 4931414P19Rik	-0.23545075	2.835228998	0.206402866	0.96053742
uc011ypd.1 Ltbp2	-0.2355256	6.197992027	0.026128723	0.365802117
uc008ezv.1 Chsy3	-0.23577052	1.840848724	0.35264531	1
uc009bup.2 Atp6v0e2	-0.23613289	2.993917718	0.261142853	0.995737605
uc009mmi.2 Mri1	-0.23646315	4.197868955	0.06084228	0.598800315
uc007ngb.2 Tssc1	-0.23661574	4.329850612	0.097868844	0.743507046
uc009jwo.1 Fbxl19	-0.23686172	3.616242988	0.133280985	0.846160234
uc009buo.2 Zfp862-ps	-0.23720337	4.180987113	0.096517366	0.743141424
uc008hgw.3 Pank1	-0.23755508	3.722980277	0.185391344	0.930625075
uc008wnz.2 Phtf2	-0.23761633	4.951047844	0.041651341	0.487890472
uc009gdw.2 Wdr62	-0.237651	4.918183197	0.028221557	0.384346894
uc009kev.2 9430038I01Rik	-0.23817678	4.0262548	0.191214381	0.937758335
uc007cjj.1 Steap3	-0.23834931	5.293991806	0.046754482	0.522194139
uc008nqi.1 Adig	-0.23837337	7.118453492	0.034836296	0.434313464
uc008vbj.1 Sesn2	-0.23848245	6.194834232	0.094036134	0.733623275
uc008obk.1 Zfp64	-0.23852984	3.454716862	0.103917589	0.765759634
uc009ktx.2 Cers4	-0.23855748	5.862212667	0.200237526	0.955843506
uc007wjo.1 Oplah	-0.23891089	8.349986285	0.048844197	0.535847546
uc007jut.2 Arrb2	-0.23911593	2.582757899	0.279796166	1
uc029xgo.1 Plcd1	-0.23915941	5.506079291	0.05765739	0.581628795
uc008jhd.2 Lrsam1	-0.23961139	4.634908326	0.044279227	0.505818505
uc009mdo.1 Gtpbp3	-0.23968699	3.868491071	0.101258752	0.759746792

uc008klk.1 Olf1033	-0.23985499	2.884569176	0.386590433	1
uc007dks.2 Fam78b	-0.24006699	2.55658896	0.249947102	0.995737605
uc009plp.2 Fdx1	-0.24018886	6.595937937	0.192517426	0.940118254
uc012ajw.1 Cahm	-0.24064516	1.568976045	0.423203682	1
uc007doz.1 Cd48	-0.24069153	1.480267519	0.63553738	1
uc007oss.2 Ttc7b	-0.24090378	6.823859643	0.031535982	0.413292186
uc011yyv.2 Atxn1	-0.2411114	7.363322656	0.074599512	0.663467157
uc009eyj.2 Suv420h2	-0.24118205	3.632925522	0.091988068	0.726956036
uc007mqk.1 Card14	-0.24133548	5.169443072	0.03169971	0.414384612
uc009rbf.1 Paqr9	-0.24133768	6.256470738	0.116796632	0.800817621
uc007lla.1 P3h4	-0.24138402	1.801179762	0.295547023	1
uc009tkw.2 Zfp185	-0.24155306	5.408902327	0.097015716	0.743141424
uc007whq.1 Pycl	-0.24160494	4.341466289	0.044803438	0.510731451
uc007iba.2 Grb10	-0.24163838	7.097157089	0.020026753	0.309825652
uc011xws.1 Pfas	-0.24219468	6.01479358	0.011268862	0.213876021
uc008bvc.2 Wdr4	-0.24261668	4.395368661	0.034487145	0.431589684
uc009dum.1 Plekhg6	-0.24270134	3.147294778	0.254539396	0.995737605
uc007ijq.1 Sh3pxd2b	-0.24310956	4.885805181	0.225241288	0.976458113
uc008xzy.2 Rufy3	-0.24315798	4.279110822	0.051450535	0.549434459
uc007fge.1 Ppa1	-0.24336601	7.433956072	0.045522505	0.514830202
uc008tok.2 Cdkn2b	-0.24341267	2.354019827	0.308456195	1
uc007rvz.2 Hmgcs1	-0.24368469	7.806391379	0.109022882	0.781312964
uc007lhh.2 Nr1d1	-0.24404672	8.452274958	0.125741215	0.826396995
uc009ert.2 Bhlhe41	-0.24467501	5.050479045	0.182847917	0.929759137
uc009scr.1 Rpl14	-0.2447984	4.384450612	0.091643861	0.726411429
uc007umt.1 4930480K23Rik	-0.24480481	2.908738672	0.208082555	0.96053742
uc056yfo.1 Rab3gap2	-0.24483644	2.205553131	0.310604998	1
uc009bya.2 Hoxa3	-0.2449266	1.909217519	0.272681826	0.998835363
uc009mey.2 Zfp882	-0.24493425	2.662029192	0.217086694	0.969299131
uc056ymk.1 AK044152	-0.24503625	2.116017712	0.267572518	0.99851571
uc007gfk.1 Lmnb2	-0.24507787	2.740578542	0.201428076	0.955905202
uc007ysk.2 Tbccd1	-0.24517539	4.472488618	0.035718096	0.441322242
uc009nuq.1 Spata2l	-0.24518073	2.144860017	0.254168625	0.995737605
uc008cui.1 2310039H08Rik	-0.2452996	3.422263319	0.129405472	0.837957864
uc008rlv.2 Manba	-0.24546315	4.212116637	0.04520362	0.513702864
uc009sfv.1 Exosc7	-0.24573223	3.276375887	0.123184315	0.820478012
uc008gfc.2 Fam89b	-0.24584096	5.189825693	0.051135973	0.547864169
uc007tnr.2 Arhgef40	-0.24610641	6.933955754	0.011724001	0.219909639
uc007xwf.3 Tarbp2	-0.24614569	3.189454734	0.146524078	0.864585986
uc009esj.2 Arntl2	-0.24664722	2.13632007	0.268410708	0.998835363

uc007qbv.1 Eci3	-0.24676232	4.34659574	0.115824971	0.796639246
uc008huz.2 Sh3pxd2a	-0.24676551	10.50684859	0.054755603	0.560547162
uc009pdo.1 Ccdc84	-0.24695001	2.595420926	0.165640608	0.904879406
uc007cjb.1 Sctr	-0.24697999	5.350634273	0.022144323	0.331397242
uc009lzl.2 Supg2	-0.24702617	5.322320813	0.007385121	0.165664316
uc007evg.1 Marcks	-0.2471662	6.135006225	0.142606691	0.854711616
uc007mew.1 D11Wsu47e	-0.24722074	2.698477515	0.17456981	0.922282106
uc008yzt.1 Fam222a	-0.24754398	3.972129868	0.301658688	1
uc007zbj.1 Adcy5	-0.24791196	9.522008198	0.049113079	0.537664089
uc008buj.2 Abcg1	-0.24796824	7.006065572	0.190673996	0.93745887
uc033its.1 Setmar	-0.24808572	1.96931538	0.271156392	0.998835363
uc008pld.2 Shox2	-0.24819786	4.102950082	0.05562556	0.56649219
uc008bdj.2 Tmem8	-0.24839608	2.492492748	0.338636345	1
uc008jfs.1 Fam102a	-0.24863779	3.730961801	0.262489274	0.995737605
uc008vvr.2 Dffa	-0.24909573	3.751074508	0.078198126	0.677979788
uc007taj.2 Anxa8	-0.24917578	4.594836526	0.131853427	0.842367241
uc012bea.2 Piezo2	-0.24938166	2.16492562	0.371690023	1
uc008qcu.2 S100a13	-0.24948934	3.203449604	0.136324878	0.850777789
uc009kbx.1 Chst15	-0.24991247	7.077790303	0.092296767	0.727658819
uc009mbx.2 Kcnn1	-0.24994271	2.966917013	0.187372525	0.93272506
uc007nyk.2 Plekhg3	-0.25007928	6.542604944	0.053799188	0.558000483
uc008emx.1 Cxxc5	-0.25017293	4.693648624	0.114083426	0.793055713
uc007giz.2 Sirt6	-0.25032196	2.937139808	0.128905552	0.837957864
uc008puq.1 Tmem79	-0.25043387	2.756415042	0.23145305	0.981022123
uc008dbb.1 Lrg1	-0.25050979	9.276315547	0.011326267	0.214596822
uc009nfl.1 Slc7a6	-0.25058358	6.126679704	0.059617055	0.591671146
uc007nhd.1 Lamb1	-0.2506251	9.48542429	0.016292666	0.273093761
uc009nsp.2 Cyba	-0.25110889	1.940238317	0.647541806	1
uc007bqu.2 Wdfy1	-0.25131182	4.871052466	0.418845026	1
uc007kck.1 Sgsm2	-0.2516081	5.027770303	0.024129307	0.347438945
uc007hgb.2 Srgap1	-0.25169616	3.476586689	0.083847795	0.698183593
uc009rln.2 Nprl2	-0.25176323	3.650489896	0.110867403	0.785026495
uc008luz.2 Gm28042	-0.25178979	3.917376269	0.107270663	0.776634263
uc008jco.1 Ier5l	-0.25181601	2.901557732	0.219015291	0.969299131
uc008irw.2 Entpd2	-0.251882	4.870667869	0.018517941	0.295591297
uc007kpa.2 Mmp28	-0.25189535	6.785702736	0.182205373	0.929759137
uc009nez.2 Ddx28	-0.25192262	3.805580111	0.082424843	0.695443371
uc056zdi.1 AK053557	-0.25217704	3.814044561	0.256649621	0.995737605
uc007gkc.1 Eid3	-0.25228747	3.770493996	0.325752013	1
uc007vfy.2 Prlr	-0.2524309	5.605180313	0.094169771	0.733623275

uc008odh.1 Rbm38	-0.25255966	3.275329954	0.175944765	0.922282106
uc009shd.2 Ccr5	-0.25259123	2.914481554	0.656506726	1
uc009nfj.1 Pla2g15	-0.25265574	6.174734116	0.014049097	0.250704889
uc008jch.1 Fam73b	-0.25293847	7.662203488	0.010118287	0.201619186
uc007xzz.2 Vasn	-0.2531297	6.571823488	0.270428082	0.998835363
uc009gnh.1 Ctu1	-0.25320115	3.134453907	0.132199543	0.844090262
uc008pok.1 Pdgfc	-0.25320692	5.575735758	0.012688902	0.234217934
uc009afb.2 Nxpe5	-0.25340901	2.815317854	0.193821764	0.943260329
uc057bei.1 Israa	-0.25343184	2.392020851	0.410377527	1
uc009cvu.2 Podxl2	-0.25344094	2.314669902	0.217358948	0.969299131
uc009gmu.2 Vsig10l	-0.25407833	3.14112061	0.107694666	0.777005406
uc009nce.2 4931428F04Rik	-0.25425359	3.882592837	0.169317328	0.910191348
uc007gxb.1 Epyc	-0.25456011	3.827708224	0.238712582	0.990160092
uc009hwy.2 Klhl25	-0.25458543	5.364572421	0.237446718	0.990123236
uc007ftm.2 Smarcb1	-0.25489809	4.686756396	0.022171154	0.331397242
uc007cfg.2 D1Ertdd622e	-0.25497245	3.459011311	0.187489876	0.932888818
uc029tat.1 Gm10509	-0.25499678	1.9082124	0.348612195	1
uc007tic.2 Lgals3	-0.25521527	6.243786404	0.422908015	1
uc008ayl.1 Fahd1	-0.25527024	3.323605112	0.135752816	0.850553378
uc008mgk.1 Bcl2l11	-0.25541514	4.523136964	0.124814567	0.82403019
uc011yrx.1 Wdr25	-0.25564153	2.619792763	0.17445509	0.922282106
uc007cxv.2 Ptgs2	-0.25574867	2.463351707	0.69965405	1
uc008wjd.1 AK220016	-0.25575399	4.459907542	0.061629222	0.604042939
uc008rvj.1 Cth	-0.25581618	4.13381211	0.200638391	0.955905202
uc008zwt.1 Limk1	-0.25636462	2.940430424	0.175759148	0.922282106
uc007kqs.2 Dhrs11	-0.25636979	3.683970261	0.108260139	0.778651843
uc009czu.1 Lrig1	-0.2565699	7.794410603	0.025698501	0.360693316
uc008gov.1 Rab3il1	-0.25675667	3.004890674	0.45562429	1
uc009fyc.1 Eid2	-0.25698877	1.989541954	0.271324739	0.998835363
uc008ugf.2 2510003B16Rik	-0.25701426	2.468648308	0.229998211	0.981022123
uc009puw.2 Scamp5	-0.25707112	3.766255429	0.131465684	0.841837647
uc008ajj.1 AK014435	-0.25720674	1.873275441	0.293527143	1
uc008dbm.2 Ticam1	-0.25723718	3.361142898	0.12107988	0.815294406
uc008qko.2 Ecm1	-0.25742251	2.603519408	0.474503969	1
uc008gwr.1 Cep78	-0.2578669	3.234344743	0.105627799	0.771159729
uc007vjk.1 Zfp622	-0.25890103	3.867498399	0.083461134	0.698183593
uc008bxy.1 Zfp763	-0.25906863	3.03057593	0.283493328	1
uc007kli.1 Tefm	-0.25973154	3.399016794	0.099604684	0.753584476
uc007ynl.2 Arvcf	-0.25992368	3.132147849	0.165103171	0.904879406
uc008hjc.1 Ffar4	-0.26058161	5.112706887	0.033855888	0.428125589

uc057bgc.1 AK035950	-0.26060093	5.074848213	0.219161849	0.969299131
uc008shd.1 Aco1	-0.26076567	9.056180599	0.004780182	0.125718777
uc011wpy.1 Rnf152	-0.26084729	2.961003814	0.160894645	0.896943318
uc007sho.2 Thrb	-0.26095919	6.959981035	0.018895995	0.298728656
uc057ajf.1 Coq7	-0.26104765	2.872524829	0.209203672	0.962214767
uc007ocu.2 Sipa1l1	-0.26150543	6.940853493	0.010121993	0.201619186
uc012hcj.1 Dlec1	-0.26174117	2.31821318	0.210336958	0.962860356
uc007vku.1 Sema5a	-0.26195216	7.432968747	0.108146677	0.778651843
uc008cio.1 Ier3	-0.26200147	6.236373843	0.082910003	0.69697404
uc007gho.1 Mfsd12	-0.26262772	4.931092449	0.058245937	0.583304278
uc008gff.1 Ltbp3	-0.26283525	9.287725042	0.005738414	0.14406027
uc007zcc.1 Wdr5b	-0.26286765	2.354448705	0.197444453	0.94948691
uc007eiu.1 Sash1	-0.26291178	7.941970046	0.213750093	0.968053928
uc008byh.2 Zfp955b	-0.26330471	2.54369969	0.26651939	0.99851571
uc008eqe.1 Pcdhb19	-0.2640334	2.081064516	0.214625132	0.968295717
uc012fum.1 Zfp668	-0.26423947	3.148198529	0.096597694	0.743141424
uc008mhg.2 Chchd5	-0.26431347	2.384553968	0.209385045	0.962214767
uc011yrk.2 Scarna13	-0.26462594	1.986231798	0.350773594	1
uc008wsm.2 Prkag2	-0.26488471	6.591057687	0.013088282	0.238569572
uc007xbc.2 Ttll1	-0.2649538	2.462134959	0.184722022	0.930625075
uc008ygl.1 Rasgef1b	-0.26508545	4.429676751	0.426236629	1
uc009bjt.2 D630045J12Rik	-0.2651325	2.140610506	0.196527725	0.948796
uc007bmm.2 Zfp142	-0.26544594	4.866672737	0.029376705	0.396566204
uc008vhk.1 Gale	-0.26553417	4.517544689	0.079651003	0.682034864
uc009lxa.1 Lzts1	-0.26597327	1.875774419	0.333902055	1
uc009dcy.2 Trnt1	-0.26620358	2.975008818	0.100826079	0.759746792
uc009jqw.1 Sbk1	-0.26650607	4.958865864	0.085825795	0.704875951
uc007iy.3 Tnip1	-0.2667117	5.268467714	0.036569288	0.450328154
uc009ote.2 Cdon	-0.26677034	5.611666741	0.13112543	0.841610401
uc007egi.1 Mtrf1l	-0.26687087	2.650942665	0.129532758	0.837957864
uc008vej.1 Zfp593	-0.26699565	2.163829597	0.204211041	0.957402189
uc007yvv.1 Mb21d2	-0.26701673	2.110815116	0.22226115	0.97308627
uc008gjz.1 Nudt22	-0.26731353	2.887812468	0.127067386	0.831016193
uc007agk.2 Rrs1	-0.26759031	4.740094959	0.043473136	0.500597561
uc007kdz.1 Rilp	-0.26792422	3.002090669	0.14496388	0.860464731
uc056ykd.1 AK087918	-0.26857196	6.078331043	0.032036355	0.414857651
uc007ouf.1 Lgmn	-0.2687007	5.167837977	0.492706327	1
uc007suw.2 Cacna1d	-0.26881122	2.215811682	0.374846089	1
uc009jka.1 Tmc7	-0.26925769	1.276226935	0.516545296	1
uc009cih.1 Tmem150a	-0.26946933	2.864029825	0.123547018	0.820478012

uc007aqn.2 Ankrd23	-0.26974284	3.410654744	0.098026941	0.744196279
uc009rqj.1 Wdr6	-0.27054954	7.130365728	0.016332641	0.273349015
uc012bqy.1 Hacd1	-0.27062692	3.092224167	0.113557546	0.792351689
uc007hwp.2 Ccdc117	-0.27085859	5.776870594	0.011056872	0.210939904
uc007ies.1 Fam161a	-0.27116404	2.588430949	0.149005425	0.870853928
uc007iak.2 Ikzf1	-0.27136216	3.016365922	0.362358283	1
uc007kif.2 Traf4	-0.27141417	4.7157827	0.118437123	0.806313086
uc009ndu.2 Pard6a	-0.27147321	2.121220643	0.21002171	0.962214767
uc008iso.1 Mamdc4	-0.27157477	2.522283453	0.152831407	0.87880048
uc008qaa.2 Chrn2	-0.27188698	2.353746014	0.239972709	0.990930298
uc007jaw.1 Zfp692	-0.27197428	2.824790578	0.149660857	0.872274804
uc007lne.2 Mlx	-0.27232394	4.978535896	0.029439099	0.396566204
uc007wim.1 Nrpb2	-0.27278322	6.774124604	0.005892987	0.145803366
uc007bac.2 Hspe1	-0.27286841	4.02117398	0.180887656	0.929341884
uc007fve.1 Slc19a1	-0.27292594	4.880481179	0.03423896	0.430265703
uc009cwg.2 Plxna1	-0.2729412	7.031099316	0.006087333	0.14778171
uc007yoo.1 2510002D24Rik	-0.27303942	3.108668989	0.101668763	0.761654391
uc009nst.2 Mvd	-0.27321146	1.957924699	0.257661947	0.995737605
uc007dae.2 Rgs16	-0.27332399	4.185482165	0.179827362	0.92733951
uc008xnn.1 Klb	-0.27401606	6.797784169	0.040071388	0.478517348
uc009kzk.2 Kbtbd11	-0.27407751	5.603425097	0.107369717	0.776690176
uc009rjt.3 Pcbp4	-0.27411807	4.245852154	0.070687383	0.646368242
uc008qmj.2 Hist2h2be	-0.27447114	2.986312478	0.208134266	0.96053742
uc007ikk.3 Ranbp17	-0.27450457	3.239373888	0.135991376	0.850777789
uc009mfx.1 Calr3	-0.27473727	2.240841107	0.16347665	0.902881535
uc009mav.1 Isyna1	-0.27484118	3.66563808	0.179871098	0.92733951
uc009nan.2 Cmtm4	-0.27491652	7.06893495	0.00502447	0.130588919
uc007nun.2 2700049A03Rik	-0.27529425	3.796510194	0.045615834	0.514884459
uc009czw.3 Kbtbd8	-0.27532098	2.232883646	0.257439771	0.995737605
uc008pzo.2 Pygo2	-0.27546878	4.684384903	0.024919864	0.353356629
uc007hiy.2 Ddit3	-0.27555496	4.838012991	0.104100059	0.766082111
uc008sst.2 Shb	-0.27557476	5.225452076	0.087194834	0.708722691
uc007isc.1 AK157916	-0.27637973	4.700704286	0.137038098	0.850777789
uc007lml.2 Stat5a	-0.27662705	7.052900363	0.02284865	0.338688075
uc009cmt.2 Rtkn	-0.27663014	1.692569139	0.245545807	0.995630091
uc012ada.1 Clcn2	-0.27671153	4.096009553	0.092785591	0.728711537
uc007pwp.2 Aldh5a1	-0.27680012	6.257350842	0.092554829	0.727658819
uc008nqw.2 Mafb	-0.27701295	5.54698048	0.172806965	0.919916018
uc009ona.2 Plppr2	-0.27729723	2.314200552	0.149262672	0.871435241
uc008asi.1 Zfp13	-0.27736708	1.864366452	0.201303715	0.955905202

uc007gkx.2 Dusp6	-0.27764738	5.501883649	0.262580446	0.995737605
uc008wgd.2 9430015G10Rik	-0.27784946	2.381499067	0.163237129	0.902840119
uc008hbt.2 Vldlr	-0.27848547	7.571761667	0.040009268	0.478292612
uc007cmu.2 Il10	-0.27857331	2.879452389	0.509023967	1
uc009klm.2 Polr2l	-0.27879771	2.933933956	0.094243294	0.733623275
uc007ehd.2 Rmnd1	-0.27910168	3.341323093	0.097112591	0.743141424
uc009adi.1 Irs3	-0.27934152	5.101958785	0.172524232	0.918853746
uc008xei.2 Ablim2	-0.2800995	4.240061418	0.026246376	0.36698414
uc008dme.1 Emilin2	-0.28026893	3.014635586	0.52064604	1
uc009exm.2 Rdh13	-0.28065445	4.562081579	0.021000628	0.321112233
uc009omi.2 Ldlr	-0.28087676	5.623808565	0.123835805	0.821555736
uc029vty.2 Copg2	-0.28088961	7.520109018	0.032755788	0.421743919
uc012fjt.2 Myh14	-0.28094091	3.304317076	0.239868183	0.990869092
uc007cly.2 Cd55	-0.28107551	5.476484443	0.008210913	0.17749069
uc009jsj.1 Bola2	-0.28132506	1.826076929	0.212445836	0.965870918
uc007vjg.2 Fam134b	-0.28199152	1.260085554	0.581871326	1
uc007whp.1 Tigd5	-0.28243291	2.259251878	0.201737577	0.955905202
uc009rpo.1 Klhdc8b	-0.28286381	5.052004509	0.006342341	0.15172299
uc007vgw.1 Amacr	-0.28307609	4.16754704	0.027094777	0.374367102
uc008ybi.2 Pf4	-0.28327823	2.051404044	0.553322554	1
uc008eak.2 Colec12	-0.2836146	4.541275564	0.086658508	0.706042033
uc008mkt.2 1700037H04Rik	-0.28362215	7.091436405	0.052440627	0.553785054
uc007jrr.2 Fgf11	-0.28397116	4.178265052	0.05823288	0.583304278
uc008lrq.2 Thbs1	-0.28455514	9.274291363	0.396181584	1
uc008czd.2 Satb1	-0.28541201	4.181007687	0.020157462	0.310976718
uc008upb.2 Pabpc4	-0.28542579	5.348205412	0.003529231	0.10189978
uc007dcj.1 Soat1	-0.28544265	4.136180194	0.503332389	1
uc012gpd.1 Cdkn2d	-0.28599217	3.20355479	0.070342659	0.644885599
uc007cnf.1 Ikbke	-0.28605619	2.809363127	0.339533813	1
uc007mdw.2 Kcnj2	-0.28610975	3.330472234	0.423168277	1
uc007hju.2 Shmt2	-0.28627374	3.737543438	0.05076978	0.544998047
uc009sqj.2 Bcor	-0.2871444	4.821288753	0.033218505	0.424848932
uc008xkc.2 Ppargc1a	-0.28750621	4.803515557	0.109833323	0.782169297
uc009slr.2 Syp	-0.28763042	3.316565807	0.206041237	0.96053742
uc009frh.2 Grik5	-0.28810447	3.180712934	0.104249939	0.766175082
uc007ujg.2 Zfp395	-0.28816732	6.321935153	0.097774824	0.743303999
uc007vjt.2 Fam105a	-0.28873425	1.32263868	0.500998236	1
uc007cws.1 Cfh	-0.2888229	6.750493774	0.072599554	0.654640548
uc007slu.1 AK079754	-0.28936301	3.175416142	0.058748059	0.586736944
uc009jnm.1 Igsf6	-0.28965333	2.362586308	0.519538794	1

uc007eid.2 Nup43	-0.289975	2.091056859	0.209598649	0.962214767
uc007whi.1 Naprt	-0.29008006	4.030430597	0.0273379	0.376526737
uc009myh.2 Mmp15	-0.29027358	4.049687954	0.107662664	0.777005406
uc009hgs.2 Tarsl2	-0.29028166	3.534860942	0.077806197	0.677979788
uc008guf.1 Fam111a	-0.29029904	2.048530802	0.412298461	1
uc008tyo.2 Pars2	-0.29043586	2.38159069	0.186445165	0.930625075
uc008dby.2 Ptprs	-0.29077614	6.806345607	0.006795134	0.158352418
uc057ccr.1 Emc8-1190005i06rik	-0.29082268	2.865661903	0.138886733	0.851834194
uc008tez.2 Alad	-0.29105593	5.833307863	0.016701122	0.276997886
uc008dye.1 Map3k8	-0.29160767	4.741853511	0.049618708	0.538926493
uc012faf.1 C5ar1	-0.29174348	3.742215862	0.528860235	1
uc008hlv.1 Pik3ap1	-0.29194534	2.88020015	0.560076683	1
uc009acv.2 Tfr2	-0.2921035	2.29673992	0.322671034	1
uc008isc.1 Abca2	-0.29231083	7.620488978	0.020860336	0.320032329
uc008jcu.1 Ntmt1	-0.29279049	3.411945664	0.054159891	0.55862649
uc007vyj.2 Pvt1	-0.29279111	2.561974726	0.181799316	0.929759137
uc008tey.1 Hdhd3	-0.29286306	2.205027187	0.200050797	0.955779024
uc009pyn.2 Senp8	-0.29296594	3.049006243	0.124437065	0.823566103
uc007eee.1 Lamb3	-0.29326772	3.363682004	0.088138199	0.710638357
uc009ptk.1 Odf3l1	-0.29360616	3.448596847	0.151308572	0.875054704
uc007epo.2 Slc2a12	-0.29361316	3.759693815	0.051780434	0.551027628
uc008ttc.1 Hook1	-0.29372833	1.609184674	0.202460059	0.955905202
uc012ccm.1 Lcmt2	-0.29379943	3.203359988	0.104941004	0.769706726
uc008rci.2 Lrrc39	-0.29398646	2.897378739	0.15992539	0.893543683
uc008rvg.1 Ptger3	-0.2942277	6.673608745	0.032019205	0.414857651
uc029rpv.1 Slc25a19	-0.29449758	6.111731279	0.029563941	0.397762835
uc008cdg.1 Fkbpl	-0.29458105	2.586665891	0.186126004	0.930625075
uc009glb.1 Zfp939	-0.29531763	2.073773099	0.236518647	0.988866379
uc029wpe.1 Gm10578	-0.2957764	1.923745886	0.255404213	0.995737605
uc009rup.1 Pth1r	-0.29617857	4.872223942	0.022961632	0.338688075
uc007aka.2 Jph1	-0.29632383	2.752762718	0.116613274	0.800068464
uc007gct.2 Reep6	-0.29643644	4.106279486	0.191641563	0.938330099
uc011yqz.1 Ppp4r4	-0.29649296	3.82427669	0.069666522	0.641815183
uc008sgw.1 3110043O21Rik	-0.29650691	8.291415235	0.003204131	0.094886938
uc008eof.2 Cd14	-0.29699876	5.61889371	0.251767471	0.995737605
uc009lwe.2 Sh2d4a	-0.29772216	1.938759027	0.208046812	0.96053742
uc009ich.2 Homer2	-0.29807944	2.401159682	0.211070734	0.964311475
uc012gjf.1 Fbxl8	-0.29812122	2.494503968	0.158097514	0.88809429
uc009sez.2 A730085K08Rik	-0.29840642	2.623333253	0.220683696	0.970204378
uc008xez.1 Bloc1s4	-0.29931231	2.866096854	0.120850171	0.815294406

uc029vmp.1 Wscd2	-0.29951158	5.248037903	0.030401226	0.404592703
uc009qms.1 Vps13c	-0.29979423	8.767304778	0.00199202	0.066888302
uc057cbc.1 AK014156	-0.29980973	2.160243288	0.24626835	0.995630091
uc008wna.2 Cacna2d1	-0.29988676	4.926702116	0.026672363	0.372032716
uc008fzk.2 Clcf1	-0.30075795	3.031279503	0.272254999	0.998835363
uc007nor.2 Nfkbia	-0.30089597	7.713890335	0.06295832	0.608243959
uc011wja.1 Ccdc115	-0.30167972	2.121280726	0.137714167	0.850777789
uc008pnu.2 4930579G24Rik	-0.30180656	2.025759888	0.158763533	0.890204051
uc008ikz.2 Plxdc2	-0.30352534	6.234248906	0.016459759	0.274644262
uc009fbx.1 Peg3	-0.30462769	7.395853452	0.328920092	1
uc011ylq.1 Mir1938	-0.30479181	5.059094776	0.078348115	0.677979788
uc007kpj.1 Ccl9	-0.30500555	5.548974952	0.4820236	1
uc007gel.1 Dot1l	-0.30531917	6.818088439	0.014472438	0.25315438
uc009tmf.2 Slc6a8	-0.30552258	4.412483043	0.102254919	0.762816109
uc056yzv.1 Lncppara	-0.30601368	2.650736912	0.136894271	0.850777789
uc008gjj.1 Esrra	-0.30627304	5.400271045	0.010843065	0.208662879
uc007wic.2 Fam83h	-0.30661018	3.537351657	0.096695807	0.743141424
uc008tlc.1 Ccdc171	-0.30661429	2.155367762	0.162852797	0.902791655
uc008zez.2 Hspb8	-0.30663525	6.946605143	0.05491713	0.560641976
uc057bug.1 Pcdh7	-0.30674633	6.268676415	0.027589098	0.378794127
uc008azq.2 Telo2	-0.30685595	3.800812546	0.049604623	0.538926493
uc007pbr.1 Hsp90aa1	-0.3076797	7.477989045	0.012477984	0.231650096
uc033fyp.1 Ksr1	-0.30781667	4.117814309	0.051580983	0.549434459
uc007lqr.2 Tmem101	-0.30793878	2.453324727	0.152282683	0.877014866
uc008nto.1 Rims4	-0.30808325	2.017623178	0.209335242	0.962214767
uc057bv.1 Radil	-0.30827056	3.845818183	0.08160321	0.692776036
uc009hze.1 Anpep	-0.30830063	3.009873416	0.563566331	1
uc007lnq.2 Plekhh3	-0.30834623	5.212966973	0.069785614	0.642189441
uc009ojf.2 Col5a3	-0.30900779	8.461503824	0.112316226	0.788211581
uc009qry.2 Gnb5	-0.30920784	6.35043813	0.007409946	0.165688801
uc007wru.1 Pdxp	-0.30936171	1.942592728	0.264220845	0.997725501
uc008yak.1 Slc4a4	-0.30984561	6.424729074	0.00061099	0.025759512
uc007oyk.2 D430019H16Rik	-0.31016934	5.98833192	0.151689948	0.875538409
uc008vbk.1 AK155592	-0.31023584	1.677803492	0.259235615	0.995737605
uc008ybm.1 Cxcl2	-0.3109884	4.75307859	0.439905682	1
uc007rff.1 Zfp72	-0.3116705	1.63895353	0.243805369	0.995630091
uc007dym.1 Dusp10	-0.31189947	6.939607306	0.170417516	0.913358508
uc007zta.2 Ncam2	-0.31224805	4.832765372	0.188416955	0.934678209
uc007mrg.1 Baiap2	-0.31257422	6.162946475	0.014308259	0.252878455
uc008ykq.1 AK049668	-0.31343734	2.082999245	0.1961546	0.948653112

uc057bir.1 AK142867	-0.31357416	1.571020285	0.295981662	1
uc008cru.2 Mad2l1bp	-0.31473271	2.02105142	0.13962504	0.851834194
uc009tzy.1 Slc16a2	-0.3148153	4.837583338	0.036418045	0.448966207
uc011xdl.1 Bend3	-0.315637	4.149382461	0.030044104	0.401776245
uc008hss.1 AK029443	-0.31597595	2.604338957	0.078002757	0.677979788
uc008xek.1 Sorcs2	-0.3159975	2.365170812	0.494125341	1
uc008fxd.2 Chka	-0.31630181	7.260604174	0.260347741	0.995737605
uc008bfc.2 Zbtb9	-0.31667663	3.76271453	0.039379552	0.472938345
uc056ykg.1 AK047291	-0.31672593	5.1911126	0.023468972	0.342997541
uc007rhy.1 Polr3g	-0.31707793	2.761290285	0.118691371	0.806809158
uc008pii.2 Med12l	-0.31745029	6.448773183	0.004224105	0.115493729
uc008nxu.1 Trp53rka	-0.31751436	2.74591628	0.074353765	0.663418169
uc008ojh.1 Mrgbp	-0.3177947	2.598165697	0.07864741	0.677979788
uc012atr.1 Pla2g7	-0.31789088	2.483233126	0.521284615	1
uc007nqx.1 Lsmem1	-0.31828289	4.238180855	0.348001734	1
uc011wky.2 Pgap1	-0.3201533	5.222889969	0.007495234	0.166920062
uc009ntf.1 Aprt	-0.32017184	2.637780463	0.307942483	1
uc007cgp.1 Tnfrsf11a	-0.32282172	2.795387278	0.46382399	1
uc007ghq.2 4930404N11Rik	-0.32284492	3.28062509	0.056453895	0.571576282
uc007ais.1 AK171953	-0.32331204	1.734301468	0.243672374	0.995630091
uc007yco.2 Abat	-0.32430304	4.647288522	0.036970574	0.45476276
uc009kgu.2 Fuom	-0.32450434	2.946120464	0.05426455	0.55862649
uc007thn.2 Samd4	-0.3250174	3.901716597	0.137110806	0.850777789
uc007pad.1 Slc25a29	-0.32515642	3.390183184	0.114408527	0.793970806
uc009djb.2 Cand2	-0.32516861	3.191849107	0.119231233	0.809482606
uc007dyl.1 Tlr5	-0.32560651	2.221951866	0.173780429	0.921545184
uc007req.2 Cep72	-0.32585097	1.958270958	0.13466798	0.849053945
uc009mhd.2 Mcm5	-0.32738626	2.175336289	0.256098171	0.995737605
uc029tar.1 AK138383	-0.32828148	1.86397652	0.201903848	0.955905202
uc007mpw.2 Cbx4	-0.32833667	5.807473325	0.015788432	0.26707353
uc008pdg.2 Pcdh18	-0.32836985	1.82144942	0.182183695	0.929759137
uc007kaa.2 P2rx5	-0.32856369	2.925050976	0.136874806	0.850777789
uc009rjf.1 Twf2	-0.33012109	3.380307135	0.039323289	0.472938345
uc007lag.2 Fam117a	-0.330266	5.433540856	0.005830506	0.144727573
uc009rbh.2 Trpc1	-0.3310448	3.712527914	0.089248032	0.715928657
uc007wxj.2 Tef	-0.33156699	1.926137396	0.164665878	0.904879406
uc012ejl.2 Cep41	-0.33182387	3.103216771	0.082060503	0.695122942
uc057cdu.1 AK134244	-0.33190882	3.934090229	0.092820671	0.728711537
uc009oki.2 Pde4a	-0.33289276	3.923253939	0.033618167	0.427818284
uc007czr.1 Lamc2	-0.33301022	3.017670719	0.217889734	0.969299131

uc007xrx.2 Cela1	-0.33437108	3.138648777	0.225799514	0.976944818
uc009fvr.1 Numbl	-0.33445967	3.213789208	0.34310847	1
uc007foh.2 Bicc1	-0.33459837	2.813675847	0.118079856	0.805118773
uc009oem.2 Endod1	-0.3348411	4.890004044	0.005693407	0.143255982
uc009mbo.2 2010320M18Rik	-0.33502739	1.79614885	0.121781534	0.816757031
uc008ebk.1 Gata6	-0.33566413	4.36536366	0.049424045	0.538400398
uc009ngt.1 Sntb2	-0.33585997	5.603786004	0.176510142	0.922294717
uc012cui.1 Zfp697	-0.33604126	4.558930011	0.014551937	0.25315438
uc007qzj.1 Zfp369	-0.33768976	4.523493185	0.003050565	0.092067067
uc008fxh.2 Chka	-0.33775862	2.46766002	0.285094321	1
uc009nsg.3 Banp	-0.33782883	4.003730114	0.053584059	0.558000483
uc007bmq.2 Bcs1l	-0.33807687	3.998752085	0.011054389	0.210939904
uc008dlq.2 Tgif1	-0.33830795	3.34787055	0.160453546	0.895136296
uc007ptv.3 Hist1h4h	-0.33839274	2.352891512	0.087817857	0.709474627
uc008rqr.2 Ddah1	-0.33845357	1.665384803	0.23216605	0.981022123
uc007yal.1 AK153988	-0.33878345	3.272842937	0.078555113	0.677979788
uc007mrq.1 Enthd2	-0.33913946	2.871048456	0.053706493	0.558000483
uc007ece.1 Atf3	-0.3399864	7.995367737	0.039475752	0.472938345
uc007msd.2 Bahcc1	-0.3410019	5.830192629	0.06496512	0.61569816
uc009sqn.2 Mid1ip1	-0.34127579	4.873956839	0.068022549	0.631940348
uc008muf.2 Acss1	-0.34221662	4.48950829	0.009268616	0.191724968
uc007zvw.2 Tiam1	-0.34398511	4.519108385	0.007762329	0.171829038
uc008rcv.2 Frrs1	-0.34458168	3.946229418	0.019423423	0.303038317
uc008qmm.4 Hist2h3c1	-0.34505575	4.167977157	0.029436108	0.396566204
uc056ztq.1 AK052150	-0.34536081	3.548938214	0.082589799	0.695871031
uc009cfe.1 E230016M11Rik	-0.34555197	4.253476958	0.10990364	0.782169297
uc007tnh.1 Mettl17	-0.34592429	2.843338841	0.058334995	0.58366699
uc007rry.1 Cd180	-0.34636436	1.473754804	0.578526791	1
uc007reo.2 Tppp	-0.34703018	6.027627821	0.014208837	0.251927466
uc011wyy.2 Syt14	-0.34778243	4.40555621	0.009359602	0.192525436
uc007mlt.3 Rhbdf2	-0.34805629	5.628272105	0.003577281	0.102105026
uc009kle.1 Pidd1	-0.34872514	2.271665171	0.096141761	0.742125713
uc009fbc.2 Zfp583	-0.34963505	1.806882254	0.151597223	0.875538409
uc009ood.1 Zfp872	-0.34964215	2.194377967	0.193660416	0.943260329
uc008oae.1 Tmem189	-0.34990532	8.174545447	0.010307932	0.20368768
uc012aog.1 Tead3	-0.351089	3.529578134	0.042307911	0.492967497
uc008det.2 Adgre1	-0.35114888	4.755030024	0.510468492	1
uc008kdb.2 Chn1	-0.35168328	4.363342544	0.064066376	0.610562752
uc009bdd.2 Hilpda	-0.35230634	5.390027915	0.268272103	0.998835363
uc007qfi.1 Adtrp	-0.35241268	3.730093031	0.042046256	0.491624645

uc008wbz.1 AK083203	-0.35243338	4.368957852	0.028253637	0.384346894
uc057ccu.1 AK135647	-0.352776	2.835153326	0.205654037	0.96053044
uc007ltf.2 Plcd3	-0.3528512	3.749135027	0.026000045	0.364462566
uc009nkp.2 Cmtr2	-0.35296969	2.827273944	0.070249068	0.644885599
uc008pan.2 Bbs12	-0.35309162	1.779597329	0.145531451	0.860464731
uc009rjc.1 Wdr82	-0.35317448	6.426533635	0.000381074	0.018625409
uc007gcs.2 Pcsk4	-0.35331971	3.565343379	0.078477613	0.677979788
uc029vjk.1 Cxcl11	-0.35367793	2.993394629	0.181496772	0.929759137
uc008imf.2 Msrb2	-0.3540103	3.036117907	0.027765732	0.38052143
uc008ybl.2 Cxcl1	-0.35494553	7.185859059	0.139751556	0.851834194
uc007qyx.1 Cdk20	-0.3550589	1.951582037	0.152923296	0.878871347
uc008exs.1 Snx24	-0.35539614	2.078495713	0.141360885	0.854589237
uc007zhs.2 Cd200r1	-0.35590568	1.191750769	0.62794576	1
uc009ric.2 Aste1	-0.35653505	3.512182828	0.012931707	0.236496084
uc011yzm.3 Drd1	-0.35736051	2.844371845	0.21100303	0.964311475
uc009jsk.2 Coro1a	-0.35750934	2.343598832	0.46419858	1
uc007iyk.2 Gpx3	-0.35870078	8.565784076	0.032892616	0.422970707
uc007odz.2 2410016O06Rik	-0.35935074	2.242423424	0.083643317	0.698183593
uc007uob.2 Bmp1	-0.36026224	4.122723902	0.101233836	0.759746792
uc007olf.2 Galc	-0.36060899	5.153123241	0.000385237	0.018745946
uc008npa.1 Src	-0.3616136	4.285149963	0.015578589	0.26514807
uc008una.1 Hivep3	-0.36168446	4.995944785	0.008375622	0.178949952
uc009nxe.1 Agt	-0.36196714	6.256245215	0.054558763	0.559096537
uc033fru.1 Gas2l3	-0.36227618	2.097849225	0.501798248	1
uc007oan.2 2310015A10Rik	-0.3624918	3.523147477	0.062835882	0.608243959
uc008wal.2 Kcnab2	-0.3625341	2.109577101	0.421132588	1
uc011wvs.1 Gm7694	-0.3626678	3.219314694	0.074548305	0.663467157
uc009rjq.2 Abhd14a	-0.36291991	3.401980007	0.01494947	0.25761598
uc007dpd.3 Cd84	-0.36295298	2.843714661	0.566440459	1
uc008lie.2 Cd44	-0.36336418	4.726251687	0.495400784	1
uc007kjq.2 Slc46a1	-0.36383208	3.447720096	0.039256618	0.472938345
uc007ddm.2 Sec16b	-0.36408959	5.546571768	0.000539541	0.023463654
uc007jzy.2 ltgae	-0.36413217	2.219617689	0.1116996	0.785719699
uc008tae.1 Snx30	-0.36762441	4.51481942	0.005234438	0.134686093
uc008stz.3 Coro2a	-0.36813644	3.06112677	0.175874483	0.922282106
uc008eyc.2 Zfp608	-0.36822374	3.761361471	0.035591652	0.440252394
uc009plj.1 Arhgap20	-0.36876891	2.18248661	0.231627647	0.981022123
uc008jno.2 Nek6	-0.36970082	6.133126507	0.002650683	0.082692998
uc012apb.1 Cyp4f17	-0.36984894	3.90619953	0.029671963	0.398730537
uc012cwd.1 Scarna2	-0.36995225	3.131721157	0.064404126	0.612754503

uc009aff.2 BC037034	-0.37013102	3.175870105	0.020089108	0.310355646
uc012eer.2 Dtx2	-0.37047547	5.662658277	0.001289546	0.047639892
uc009kio.2 Cox8b	-0.37151986	3.058621614	0.097297743	0.743141424
uc008dtk.2 Hnrnpll	-0.3721377	6.654303801	0.000341514	0.016992638
uc007exc.2 Ddo	-0.37230144	3.641429767	0.03404875	0.429187237
uc007pez.2 Zbtb42	-0.37282187	2.180329108	0.103241905	0.762816109
uc012gbp.1 Zfp703	-0.37290622	7.053486206	0.003076303	0.092590862
uc008duv.2 Ttc7	-0.37357497	4.417759071	0.037969277	0.461395641
uc057bpr.1 AK084485	-0.37428676	1.946893522	0.218362065	0.969299131
uc007mfy.1 Cd300a	-0.37472225	2.498206667	0.530204151	1
uc008bxo.2 Zfp799	-0.37590304	3.917169106	0.074189926	0.662497175
uc007uoi.2 Reep4	-0.37633474	2.728971203	0.085069003	0.701843455
uc008rvz.2 Gem	-0.37710217	4.200365792	0.083735952	0.698183593
uc007hug.1 Mtfp1	-0.37718767	2.516403266	0.051330926	0.54941997
uc007bly.2 Slc11a1	-0.37735778	3.489292683	0.505738637	1
uc008zou.1 Abcb9	-0.37751486	5.034290013	0.006201549	0.149242512
uc009maz.1 Lrrc25	-0.37871261	1.455574638	0.411148869	1
uc008gub.1 Mpeg1	-0.37875486	5.233369867	0.560776011	1
uc009dps.1 C3ar1	-0.37980172	4.472185388	0.443252393	1
uc008guq.1 Lpxn	-0.38272314	2.02338488	0.430407596	1
uc008qwm.2 Cd53	-0.38504545	3.389964382	0.476958397	1
uc009pcq.1 Abcg4	-0.38585477	3.183514621	0.059513152	0.591171111
uc007xug.1 Krt79	-0.38607836	1.859884256	0.167480033	0.907299875
uc008mhz.1 Sirpa	-0.38616803	6.137219341	0.042068312	0.491624645
uc007kqv.1 Tmem97	-0.38626904	1.799858294	0.111398261	0.785719699
uc007gym.1 Tmtc2	-0.3865828	3.021590614	0.034146527	0.429592862
uc007zzj.3 Runx1	-0.38822173	4.108643877	0.192322705	0.93959063
uc008vaa.1 Ptpru	-0.38859113	4.309130508	0.021165106	0.32246864
uc008zvv.2 Gtf2ird1	-0.38872737	5.268798051	0.006345828	0.15172299
uc008gkn.2 Rcor2	-0.38988626	3.31444849	0.137922127	0.851180375
uc008ewh.1 Eno1b	-0.39162773	2.221338829	0.09302011	0.729240693
uc008ded.1 Tnfsf9	-0.39244086	1.539181598	0.402651415	1
uc007cld.2 Zranb3	-0.39396086	2.317312406	0.069620759	0.641815183
uc007kym.1 Abcc3	-0.39446096	5.027977087	0.005248217	0.134686093
uc057brt.1 AK054145	-0.39652866	3.724272081	0.052971935	0.556734536
uc012cfu.1 3300002I08Rik	-0.39864943	1.902550062	0.072958851	0.656362194
uc008qge.1 Tdrkh	-0.39907007	3.930702421	0.010552996	0.206150106
uc008fyx.1 Gpr152	-0.39985232	2.81429078	0.04210365	0.491624645
uc009ldg.1 BC035532	-0.40031824	3.23150055	0.025125427	0.35570121
uc007xkh.2 Slc38a1	-0.40034274	1.71783585	0.517038656	1

uc009doj.1 Slc6a13	-0.40208095	5.468484985	0.017544351	0.284992508
uc007bqz.2 Serpine2	-0.40335051	4.824644624	0.047452451	0.525971279
uc009fho.2 Bbc3	-0.40513655	3.211607076	0.128303402	0.836373383
uc012bdq.1 Ppargc1b	-0.40566095	4.618971296	0.016143025	0.271409218
uc007xdk.2 Ppara	-0.40583955	6.632478271	0.027605402	0.378794127
uc008ohq.1 Fam217b	-0.40613188	3.244802112	0.064115423	0.610562752
uc007gkf.1 Slc41a2	-0.40649593	3.798072276	0.077333136	0.677979788
uc008rwp.2 Plag1	-0.40671515	2.633300865	0.031959376	0.414833454
uc007bqq.1 Kcne4	-0.4087367	3.184108989	0.184407673	0.930625075
uc007ifo.1 Rel	-0.4091462	4.664631841	0.013701155	0.247010783
uc007cnp.2 Rab7b	-0.41033091	3.314670603	0.42253938	1
uc008dqb.1 Cyp1b1	-0.41047504	1.805733352	0.254239702	0.995737605
uc008auz.1 AK017296	-0.41216547	2.264028507	0.074573983	0.663467157
uc008wmi.2 Pclo	-0.41346171	3.511165695	0.047643072	0.52620441
uc008hnu.1 Pyroxd2	-0.41460703	1.598266018	0.175435853	0.922282106
uc007jqy.2 Cd68	-0.41660872	3.437775418	0.383957379	1
uc009mhc.2 Hmox1	-0.41801609	6.174911239	0.095832859	0.741939051
uc011wpc.2 Col6a3	-0.42089629	8.75813068	0.005019351	0.130588919
uc008lpl.1 Fmn1	-0.42112066	1.522029119	0.394794581	1
uc007fvv.1 Itgb2	-0.42274008	3.802196819	0.456715494	1
uc008new.2 Srxn1	-0.4240495	5.496160489	0.017477513	0.284744266
uc007yza.2 Tfrc	-0.42482128	6.611423395	0.091577161	0.726411429
uc007cim.1 Gli2	-0.42520842	2.398749902	0.177381805	0.925065256
uc008zwn.2 Lat2	-0.42631221	1.728866964	0.482579988	1
uc008qxx.2 Csf1	-0.42766722	4.991705154	0.021262821	0.323346432
uc012gvk.1 Ras12	-0.42882305	6.091085528	0.037403994	0.456535375
uc009tlk.1 F8a	-0.42986235	2.833551929	0.027884384	0.381201613
uc009ttp.1 AK050859	-0.43085921	2.019013596	0.047989497	0.529033912
uc007peu.2 Adssl1	-0.43143483	2.19325744	0.206645531	0.96053742
uc007xyf.1 Nckap1l	-0.43187519	3.933197476	0.421845776	1
uc007pdz.2 Xrcc3	-0.43298914	3.350344775	0.009476376	0.193662639
uc009rjy.2 Parp3	-0.43414646	6.67654347	9.42E-06	0.000776362
uc009ggf.1 Sbsn	-0.43449339	2.275644403	0.079116974	0.678994407
uc008qjz.3 Ctss	-0.43498937	4.53909778	0.499684471	1
uc009jjm.1 Xylt1	-0.43523113	3.550785238	0.010344788	0.204050937
uc007zcv.2 Slc15a2	-0.43787426	2.334775022	0.497295987	1
uc008mnn.1 Lrrn4	-0.43823356	2.634044024	0.034432013	0.431589684
uc008gyj.1 AK170612	-0.43831004	6.701161331	0.040693728	0.482299271
uc009deh.1 Srgap3	-0.43867692	1.681162424	0.175913254	0.922282106
uc007kjk.2 Vtn	-0.43994884	3.548773043	0.08658407	0.706042033

uc009ofr.2 Taf1d	-0.44237435	5.204733942	0.000813554	0.033160568
uc008uzj.2 Nkain1	-0.44258651	4.178741608	0.013690549	0.247010783
uc009jya.1 Itgam	-0.4427664	4.116613177	0.386887652	1
uc009dgg.1 Il17re	-0.44304506	2.509627374	0.053076004	0.556843812
uc007ytz.1 Bcl6	-0.44323055	6.629056272	0.112110407	0.787267359
uc009dqv.1 DQ715729	-0.44362886	2.135463624	0.052338088	0.553333933
uc007xgr.1 Cpt1b	-0.44373392	2.621268611	0.16986115	0.911703725
uc007gap.2 Arid3a	-0.4437526	2.72181735	0.04529781	0.514244201
uc008ceo.1 Hspa1b	-0.44378157	6.313909107	0.138307019	0.851834194
uc007ohe.1 Mfsd7c	-0.44416647	2.129743796	0.057955469	0.58250784
uc009rky.1 Mapkapk3	-0.44521725	4.372537839	0.022230966	0.331842231
uc007qmq.2 Gadd45g	-0.4469692	7.106809529	0.011018626	0.210938903
uc007vkn.2 Snhg18	-0.44770568	2.739482837	0.018607382	0.296198885
uc057bgt.1 AK029122	-0.4504069	1.766462515	0.071526694	0.65188437
uc009rjs.2 Abhd14b	-0.45229897	5.312876093	1.21E-05	0.000962803
uc007lnt.1 Cntnap1	-0.45258155	4.837903302	0.001487878	0.051896842
uc008rld.2 Slc9b2	-0.45523011	1.812791385	0.09197093	0.726956036
uc008wvq.2 Gm9899	-0.45846608	6.424146562	5.19E-05	0.003450911
uc008iym.2 Ralgds	-0.46120791	6.045312983	0.001278466	0.047548595
uc009onf.1 Rgl3	-0.4632652	3.215852051	0.006065881	0.14778171
uc009apt.1 Medag	-0.46359338	4.522842449	0.03019891	0.403358116
uc007mpu.1 Cbx8	-0.46695074	2.209365723	0.033770196	0.428125589
uc008zze.2 Hspb1	-0.46702264	4.154305201	0.004581855	0.122769848
uc012gl1.1 Cotl1	-0.46719143	2.897929796	0.325906744	1
uc008tyw.2 Acot11	-0.4688207	2.219769933	0.230536428	0.981022123
uc012gmz.1 Trim67	-0.47883586	5.164111852	0.002159882	0.070170752
uc007moi.2 Socs3	-0.47959343	8.407857186	0.09254917	0.727658819
uc009ubx.2 Lpar4	-0.47964745	4.130931391	0.026828878	0.372719289
uc011xud.1 Gfpt2	-0.47967784	2.503084885	0.280026675	1
uc009eyr.1 Tmem238	-0.47988493	2.004355121	0.031159868	0.410187056
uc007jcu.1 Trim17	-0.48033378	2.794316401	0.011726125	0.219909639
uc012dvn.1 Otop1	-0.48078007	4.169996137	0.086908589	0.706916252
uc007wul.2 Nptxr	-0.48464781	3.688474552	0.006906332	0.159931542
uc009fnk.2 Bcl3	-0.48594746	4.445180417	0.07857598	0.677979788
uc008noc.2 1110008F13Rik	-0.48759145	3.313034336	0.001992237	0.066888302
uc007szk.2 Wdfy4	-0.48796258	2.71708647	0.387553676	1
uc007dou.2 Ly9	-0.48896853	1.520875659	0.485337366	1
uc007jno.1 Pik3r5	-0.49233802	3.127424418	0.410349031	1
uc007vnr.2 Klf10	-0.49288557	6.220874088	0.00033722	0.016854901
uc057ahk.1 Nav2	-0.49307003	2.382675555	0.260980591	0.995737605

uc012gkh.1 Txnl4b	-0.49308799	4.220462996	0.004560079	0.122556275
uc007wbc.1 AK169958	-0.49434674	4.211498309	0.007044818	0.161871936
uc008hbm.1 Dmrt2	-0.4952319	5.432165748	0.04380663	0.503002113
uc008dba.1 Plin5	-0.49631388	4.49645365	0.002745028	0.084697144
uc007xee.1 Fam19a5	-0.49967702	2.716585923	0.008553897	0.18100832
uc008zvb.1 BC026208	-0.50150135	2.249235442	0.025393109	0.357770774
uc008mpf.2 Ism1	-0.50169653	3.514557389	0.022947604	0.338688075
uc012gzh.1 Amotl2	-0.50201624	8.612840985	0.001901176	0.064616572
uc008edp.2 Kctd1	-0.50595692	1.821871304	0.025654391	0.360532313
uc009jou.1 Prkcb	-0.50637531	4.37446897	0.002023247	0.067315612
uc012bjn.1 Mir1192	-0.50855334	1.940406207	0.043030887	0.498760943
uc007jkb.2 Trim16	-0.50949352	5.057585692	0.009295951	0.191930978
uc009rjk.2 Poc1a	-0.51107941	1.753322822	0.034787165	0.43419099
uc012efn.1 Fam20c	-0.51110914	4.287701186	0.009563829	0.194552593
uc011wvd.1 Ildr2	-0.51306673	1.750144827	0.064992219	0.61569816
uc056ytr.1 AK046372	-0.51354531	1.310441752	0.16713173	0.906301959
uc008ioy.1 Psd4	-0.51563219	1.038948122	0.410373175	1
uc007ukj.2 Adra1a	-0.51633486	5.406058007	0.000649689	0.02728692
uc008vtf.1 Fv1	-0.51688997	1.871034684	0.023802267	0.345039159
uc009ddn.1 Bhlhe40	-0.51691528	7.090408438	0.003485138	0.101307457
uc007uah.2 Tgm1	-0.51745997	1.661693877	0.078747788	0.677979788
uc009bqa.2 Ephb6	-0.51756521	3.869090599	0.017854036	0.288749171
uc009rax.1 1190002N15Rik	-0.51812602	6.81713199	2.36E-05	0.001728353
uc007mbu.2 Axin2	-0.51820057	4.36507042	0.026751438	0.372630998
uc009rrd.1 Slc26a6	-0.51879679	2.455160416	0.0349372	0.434380262
uc009sxn.1 Lonrf3	-0.51898481	5.041266781	0.022293201	0.332322135
uc008pio.2 F630111L10Rik	-0.52336652	2.415333304	0.046011052	0.516440491
uc012gvh.1 Parp16	-0.52620644	3.4388647	0.011578628	0.218255159
uc007rwz.1 Ccno	-0.52758653	1.899757464	0.034878947	0.434354953
uc009app.2 Alox5ap	-0.52802975	2.238522572	0.305894432	1
uc007wio.1 Eppk1	-0.53393215	6.366171261	0.002243211	0.072240537
uc007qmp.2 Sema4d	-0.53626292	1.562645018	0.47261041	1
uc009mba.2 Gdf15	-0.53768252	4.248774473	0.007234748	0.163425417
uc029wnc.1 Gm15413	-0.5441128	2.310340804	0.064114494	0.610562752
uc012gya.1 Mthfsl	-0.54412127	2.724656089	0.005780259	0.144082092
uc007ahy.2 A830018L16Rik	-0.54651885	4.356021576	0.000422587	0.019695754
uc008anb.2 Thbs2	-0.55014706	6.513866664	0.035807279	0.44192984
uc007irv.2 3010026O09Rik	-0.55194051	4.37417864	0.013498677	0.244838078
uc009bmj.1 Tmem178b	-0.55245725	2.162201943	0.014694652	0.254415566
uc009lkx.1 Ppp1r3b	-0.55280921	4.740090797	0.047438869	0.525971279

uc007bux.2 2810459M11Rik	-0.55371006	3.55246628	0.207303419	0.96053742
uc009jme.1 AK053178	-0.56207493	2.48070253	0.18611581	0.930625075
uc056zzn.1 AK042276	-0.56600211	4.274676586	0.000440302	0.020264904
uc007mlg.2 Sphk1	-0.56886091	2.890595465	0.060484095	0.597591519
uc009lks.1 Dusp4	-0.56925577	6.202850181	0.023574613	0.343089823
uc009npp.1 Osgin1	-0.57006537	5.643130983	0.00865585	0.182309202
uc007dme.1 Nos1ap	-0.57040219	2.451678833	0.018510497	0.295591297
uc008cep.1 Hspa1a	-0.57235284	5.879051081	0.032593654	0.420595212
uc009mkp.3 Dnajb1	-0.57282761	7.98457705	0.005282071	0.135048297
uc007mq.2 Tbc1d16	-0.57314366	5.191122706	2.90E-05	0.002078285
uc009rjd.1 Ppm1m	-0.57477481	6.548783972	3.48E-10	5.74E-08
uc008xco.3 Sh3bp2	-0.57518679	3.456402311	0.007820778	0.17216802
uc007vrm.2 Mal2	-0.57829963	2.824360791	0.017990563	0.290531813
uc007wfn.2 Arc	-0.58702572	5.576171401	0.003154646	0.09371782
uc012cfb.1 Flrt3	-0.59400746	3.390451574	0.007231307	0.163425417
uc057cbp.1 3930402G23Rik	-0.5942262	3.181955628	0.001945305	0.065712034
uc007pyk.1 Sox4	-0.59520664	5.049406768	0.015322767	0.26211607
uc009noa.1 Vat1l	-0.59545407	5.415246229	0.029966018	0.401217734
uc009kmo.2 Dusp8	-0.60727347	5.057387003	0.001410937	0.050766156
uc008byu.2 Myo1f	-0.61007519	2.988168516	0.35838449	1
uc008jsi.1 Cytip	-0.6142266	2.039360976	0.385560263	1
uc056yzu.1 AK038224	-0.61457989	3.247137512	0.000962893	0.038122287
uc008wiw.3 Steap2	-0.62232909	2.484971714	0.014122058	0.251452613
uc007jfh.3 Rasd1	-0.62581591	8.891977508	0.000555768	0.023887194
uc033hfg.1 Slc8a1	-0.6265129	4.426078999	0.07661856	0.67544183
uc012beh.1 Cidea	-0.64082145	3.668688678	0.028082521	0.383435751
uc007ftq.1 Chchd10	-0.64992532	4.915008932	0.001287975	0.047639892
uc007svv.3 Itih4	-0.65155751	2.949360592	0.017745621	0.287416608
uc008xdm.1 Dok7	-0.65724211	2.327383401	0.050880586	0.545657238
uc007mga.1 Cd300lb	-0.6585903	1.775964436	0.330813608	1
uc011zqr.1 Fgf14	-0.6586156	1.974761926	0.033316704	0.424961105
uc009cit.2 Capg	-0.66142844	2.947853233	0.281222904	1
uc008top.3 Elavl2	-0.67760585	2.224654166	0.002155004	0.070170752
uc008ybd.2 Rassf6	-0.68556538	2.266977699	0.004722481	0.124795517
uc008wgu.2 Cdk6	-0.6879243	3.663205189	0.01563298	0.265275083
uc009nks.1 Hydin	-0.69870121	1.577752525	0.022554963	0.334868439
uc009lmk.1 Msr1	-0.70492338	2.318217013	0.237933537	0.990160092
uc007nns.2 Egln3	-0.70511758	2.730635585	0.000433863	0.02005209
uc009fbv.1 Zim1	-0.71728562	1.535741712	0.087355268	0.708772391
uc009qru.1 Myo5c	-0.71939036	2.228158878	0.003237263	0.095356824

uc009ult.1 Kcne1l	-0.72035812	1.429588621	0.023013074	0.338688075
uc009ikk.2 Tsku	-0.72415184	3.183965739	0.135382504	0.850162102
uc008ohp.2 Ppp1r3d	-0.72879112	4.486978657	0.003844288	0.107776654
uc008hwx.1 Dusp5	-0.72964813	3.122691417	0.040439854	0.480321099
uc008fls.2 Gnal	-0.73158247	3.929458991	0.001060305	0.041095202
uc012gyb.1 Trim43c	-0.73302378	1.978587901	0.000936309	0.037203116
uc009omr.1 Angptl8	-0.73541287	2.484356211	0.015655216	0.265275083
uc008sch.2 Atp6v0d2	-0.73613268	2.389529161	0.425055252	1
uc007uqm.2 Lcp1	-0.73816913	4.715754354	0.213548044	0.968053928
uc008flv.1 Mppe1	-0.74032913	6.72168843	0.000111086	0.006779334
uc007svu.2 Mustn1	-0.74839702	2.805358781	0.001455003	0.051597556
uc008qmr.1 Fcgr1	-0.75222266	1.655556001	0.286655172	1
uc008pjj.2 P2ry1	-0.7780495	1.966167323	0.039344483	0.472938345
uc007bjb.2 Erbp4	-0.78133673	3.73852352	0.014553054	0.25315438
uc008otl.1 Nceh1	-0.81015091	3.322045476	0.281343803	1
uc008qdb.1 S100a6	-0.81651813	2.901355073	0.124796986	0.82403019
uc007jyv.1 Smtnl2	-0.83700208	1.672125909	0.025149615	0.35570121
uc009prw.2 Chrna5	-0.84909111	1.487337829	0.002929271	0.089383221
uc009qus.2 Col12a1	-0.85638893	3.822657843	0.027147207	0.374367102
uc009hxx.2 Ntrk3	-0.85744895	4.038528199	0.001424968	0.050939144
uc009awd.2 Pon1	-0.86598941	5.452937049	1.26E-05	0.000992355
uc008cxj.2 Trem2	-0.8811804	1.69385066	0.313064806	1
uc008rod.1 Unc5c	-0.89710808	2.736228937	0.00785434	0.17216802
uc007zsn.2 Cxadr	-0.89939486	2.592803055	1.89E-05	0.001431459
uc009rav.2 Plod2	-0.90972683	4.203693309	4.00E-09	5.82E-07
uc012elo.1 Gpnmb	-0.93069507	4.883613032	0.357346798	1
uc009ceh.1 Tnip3	-0.93971149	1.13614145	0.228027148	0.979572956
uc009aqa.1 Hsph1	-0.94506938	7.34412073	0.000257586	0.013608489
uc009ubn.1 Tlr13	-0.96139359	2.786533545	0.202408288	0.955905202
uc009rjn.1 Rpl29	-0.97616441	1.708764298	8.24E-05	0.005251976
uc007wvd.1 Syngr1	-0.97965916	1.775874941	0.000714864	0.029585159
uc008edx.3 Cdh2	-0.98412969	2.338098737	0.000532231	0.023303158
uc009bde.1 Fam71f2	-0.98887972	1.430644147	0.019269671	0.302190042
uc009dcl.1 Chl1	-0.99816286	4.564353421	1.10E-05	0.000903688
uc007cxj.2 Rgs1	-1.0736767	2.843014008	0.248004914	0.995737605
uc007gfl.1 Gadd45b	-1.09583166	5.656706983	5.99E-09	8.60E-07
uc009dem.2 Gt(ROSA)26Sor	-1.10380412	5.399137792	4.69E-26	3.45E-23
uc008mdn.2 Atp8b4	-1.11099439	1.624491413	0.261511424	0.995737605
uc009oul.2 Slc37a2	-1.11588823	3.310776521	0.077482413	0.677979788
uc007vfo.2 Il7r	-1.1200405	1.416847052	0.232440771	0.981022123

uc008iov.2 Il1rn	-1.13191111	1.475361595	0.245360753	0.995630091
uc009kgj.2 Adam8	-1.24053075	3.992609949	0.184536687	0.930625075
uc007okf.1 Dio2	-1.42962235	2.525024025	0.002266798	0.072787951
uc008yki.2 Spp1	-2.56600464	2.958222716	0.052864717	0.556655213