

gene module					
	id	module	supermodule	dim_1	dim_2
1	AL669831.5	9	1	-1.487763319	0.188227124
2	FAM41C	6	1	-0.924682531	-3.555514299
3	AL645608.1	18	1	-3.889335308	1.13310907
4	SAMD11	18	1	-3.830233488	1.178948678
5	NOC2L	7	1	3.645706978	-1.251611911
6	KLHL17	4	1	0.101904896	-1.385431253
7	PLEKHN1	4	1	-1.144396696	-0.575322293
8	AL645608.8	6	1	-2.569879207	-3.504699432
9	HES4	6	1	-1.376933369	-3.1449041
10	ISG15	2	1	4.353856173	1.118282415
11	AGRN	8	1	-0.269225928	1.697547354
12	C1orf159	5	1	1.597560254	-2.705471955
13	SDF4	3	1	0.901960102	4.588005818
14	B3GALT6	2	1	4.058219519	0.543459482
15	C1QTNF12	1	1	-1.74704555	2.760021485
16	UBE2J2	2	1	4.164971915	-0.394768141
17	ACAP3	5	1	0.500784603	-2.682311498
18	PUSL1	2	1	4.02423462	-0.148106896
19	INTS11	2	1	4.457357016	-0.135031782
20	CPTP	6	1	-0.841883394	-2.823075496
21	DVL1	11	1	0.740218845	-0.474368297
22	MXRA8	3	1	2.684091177	4.87179593
23	AURKAIP1	16	1	3.840238181	3.808822192
24	CCNL2	11	1	1.929152098	0.088078029
25	MRPL20	16	1	3.985986081	3.732053555
26	VWA1	6	1	-1.045335922	-2.593879424
27	ATAD3B	7	1	2.135051575	-2.475841724
28	ATAD3A	7	1	3.844760027	-1.430477344
29	TMEM240	20	1	-0.783536705	-4.132441722
30	SSU72	3	1	3.170324173	4.682548322
31	AL645728.1	6	1	-2.802691612	-3.178014241
32	FNDC10	6	1	-1.158793721	-2.980246745
33	AL691432.2	6	1	-2.584453735	-3.33473631
34	MIB2	18	1	-2.727089557	1.536622204
35	MMP23B	12	1	-2.753667745	-1.193134628
36	CDK11B	7	1	3.283227053	-1.616785847
37	FO704657.1	6	1	-0.46355072	-3.673043452
38	SLC35E2B	1	1	-1.693707857	2.417729892
39	CDK11A	7	1	2.246505108	-1.736717425
40	SLC35E2A	1	1	-1.095112833	0.904477514
41	NADK	5	1	0.984040347	-1.659866296

42	GNB1	3	1	1.754722324	3.890958585
43	TMEM52	5	1	1.533086029	-2.666128837
44	PRKCZ	4	1	-1.445822153	-1.644719564
45	PRKCZ-AS1	12	1	-2.490705165	-2.041339122
46	FAAP20	3	1	2.65825924	5.090572156
47	SKI	8	1	0.100567375	1.959863104
48	MORN1	5	1	0.403542903	-2.811490737
49	RER1	3	1	2.23213729	4.850909032
50	PEX10	5	1	1.722636428	-2.426562034
51	PLCH2	6	1	-1.532379064	-3.592288457
52	PANK4	9	1	0.344390657	-0.22918316
53	HES5	6	1	-1.87250832	-3.38185712
54	AL139246.5	6	1	-1.445278677	-3.534918986
55	TNFRSF14	4	1	-1.770881686	-0.598303996
56	FAM213B	5	1	0.770493832	-3.064929925
57	ARHGEF16	11	1	1.119485941	-0.201601289
58	MEGF6	12	1	-2.949725542	-1.779878102
59	TPRG1L	4	1	-1.169696364	-1.225530587
60	WRAP73	11	1	0.792451647	-1.096161805
61	SMIM1	18	1	-3.279827508	1.690263904
62	LRRC47	8	1	0.613589135	1.576403297
63	CEP104	11	1	1.295121995	-0.076821022
64	DFFB	11	1	0.929219511	-1.324779593
65	C1orf174	10	1	2.86781725	-2.964995824
66	LINC01134	9	1	-1.688096079	0.204390473
67	NPHP4	4	1	-0.507865223	-1.466756068
68	KCNAB2	4	1	-1.247277531	-0.903914176
69	RPL22	3	1	1.988352027	5.414439
70	RNF207	1	1	-1.546961221	1.739075579
71	ICMT	7	1	2.691840258	-2.465991222
72	GPR153	1	1	-2.135005626	0.905293382
73	ACOT7	2	1	4.063803282	-0.662255131
74	TNFRSF25	1	1	-1.64019123	2.114531554
75	PLEKHG5	4	1	-1.407505664	-1.084292732
76	NOL9	7	1	2.382819024	-1.919466935
77	TAS1R1	17	1	-4.863527212	2.987105883
78	ZBTB48	6	1	-0.734586808	-2.639794074
79	KLHL21	4	1	-0.724557552	-0.853420221
80	PHF13	9	1	0.198869881	-0.310624205
81	THAP3	11	1	1.336025086	-0.245103561
82	DNAJC11	7	1	2.121240464	-1.941683255
83	AL591163.1	11	1	0.905479875	-1.11550244
84	CAMTA1	3	1	3.023249236	4.67034892

85	VAMP3	14	1	-0.756945404	2.729988374
86	PER3	9	1	-0.226761314	-0.421824418
87	TNFRSF9	8	1	0.226377663	1.136788644
88	PARK7	16	1	3.51134738	4.331743754
89	AL034417.3	17	1	-4.664774332	3.180092133
90	ERRFI1	8	1	0.651825038	0.530256219
91	RERE	8	1	0.405580339	1.900900282
92	AL357552.2	1	1	-1.142547044	0.866148926
93	ENO1	3	1	2.416524497	4.133466519
94	SLC2A5	19	2	-6.478004846	0.327053942
95	GPR157	9	1	-0.167543236	-0.222829066
96	MIR34AHG	9	1	-0.75426099	0.563951991
97	LINC01759	13	1	-3.176539335	-0.599060558
98	H6PD	1	1	-1.647337589	0.717856742
99	SPSB1	13	1	-3.510552797	-0.561747633
100	AL928921.2	15	1	-3.650244388	-1.997987472
101	SLC25A33	5	1	1.037413564	-3.305401527
102	TMEM201	10	1	2.149534312	-3.461274348
103	PIK3CD	9	1	-0.188724417	0.558995671
104	PIK3CD-AS	15	1	-3.764683876	-1.354679428
105	CLSTN1	14	1	-0.344723466	3.370625771
106	CTNNBIP1	2	1	4.039933291	0.042139895
107	LZIC	2	1	3.801723805	-0.703723513
108	NMNAT1	6	1	-1.210697088	-2.021388494
109	RBP7	8	1	0.77314606	1.161106802
110	UBE4B	1	1	-0.698444697	1.570477403
111	KIF1B	11	1	1.596771207	0.96453736
112	PGD	7	1	3.186758843	-0.911164008
113	AL139424.1	10	1	2.090191689	-4.221236907
114	ENPS-COR	10	1	2.836872426	-3.21625372
115	CENPS	5	1	1.968638387	-3.271166764
116	DFFA	2	1	4.040701952	-0.520111643
117	PEX14	5	1	0.667765584	-2.672884427
118	CASZ1	8	1	-0.044544275	0.929223336
119	TARDBP	7	1	2.588669863	-0.703863345
120	MASP2	20	1	-0.801367793	-4.600834571
121	SRM	16	1	3.906200972	3.839699782
122	EXOSC10	7	1	2.93389782	-2.195073091
123	AL109811.2	6	1	-1.754033479	-3.02873727
124	MTOR	5	1	1.370969382	-1.852294646
125	UBIAD1	5	1	0.933144417	-2.517959796
126	FBXO2	13	1	-3.277043495	-0.702850305
127	FBXO44	12	1	-2.462375555	-1.132136069

128	FBXO6	6	1	-1.322417888	-1.777806722
129	MAD2L2	10	1	4.106659976	-2.326856576
130	AGTRAP	14	1	-1.016687307	3.697941817
131	MTHFR	9	1	-1.833178911	0.185298793
132	CLCN6	9	1	-1.089119467	0.102442123
133	NPPB	12	1	-2.426222953	-1.629018747
134	KIAA2013	1	1	-0.577118906	1.955756582
135	PLOD1	3	1	0.725706187	4.414022244
136	MFN2	5	1	1.218414035	-1.64286872
137	MIIP	5	1	1.903550473	-2.522422515
138	TNFRSF8	9	1	-1.776164326	0.015398748
139	TNFRSF1B	17	1	-3.072539482	2.82198552
140	VPS13D	1	1	-1.282600793	0.899643399
141	DHRS3	14	1	-0.79155359	3.932219066
142	AC254633.1	1	1	-2.267236623	2.930669583
143	PDPN	8	1	0.8427138	0.834054865
144	PRDM2	14	1	-0.147393289	2.201696791
145	KAZN	4	1	0.346447226	-1.837251149
146	TMEM51	8	1	0.544092742	0.047600992
147	FHAD1	13	1	-3.500360164	-0.541483365
148	EFHD2	7	1	4.022156325	-1.184497558
149	CTRC	17	1	-4.847133073	3.271856107
150	CASP9	6	1	-0.331175539	-2.674148999
151	DNAJC16	9	1	-1.64874998	0.185530849
152	AGMAT	6	1	-1.328917179	-3.157019101
153	DDI2	9	1	-0.198403734	-0.154681049
154	PLEKHM2	8	1	0.404752788	1.662840284
155	SLC25A34	9	1	-0.387822184	0.143652878
156	LC25A34-A5	12	1	-2.340135726	-2.189610206
157	FBLIM1	11	1	1.988474932	0.139067225
158	UQCRHL	6	1	-1.590995345	-3.096169196
159	AL450998.2	20	1	-1.295443806	-4.270358764
160	SPEN	11	1	1.861575451	0.743456013
161	ZBTB17	5	1	-0.005222018	-2.391614877
162	HSPB7	12	1	-2.806923542	-1.564504348
163	FAM131C	1	1	-1.66117135	1.597120084
164	EPHA2	11	1	1.300023761	0.077536709
165	ARHGEF19	18	1	-3.280620012	1.372626044
166	CPLANE2	6	1	-1.772931728	-2.548183643
167	FBXO42	4	1	-0.845240507	-0.684050761
168	SZRD1	7	1	2.690628615	-1.088296496
169	NECAP2	11	1	2.637426224	0.057341493
170	LINC01772	1	1	-0.868844482	1.482565082

171	NBPF1	4	1	-0.59659991	-1.689993344
172	CROCC	12	1	-2.973813686	-2.160901271
173	BX284668.5	18	1	-3.196964654	1.625849403
174	MFAP2	13	1	-3.583037528	-0.503114842
175	ATP13A2	6	1	-1.125404748	-1.801435434
176	SDHB	2	1	4.047283736	-0.846722327
177	AL590644.1	12	1	-2.356292877	-1.868239127
178	PADI1	4	1	-1.87590507	-1.142904125
179	RCC2	7	1	2.38809022	-1.516375624
180	ARHGEF10	4	1	-0.833288762	-0.895607792
181	ALDH4A1	6	1	-1.424165043	-2.126294576
182	IFFO2	4	1	-1.373681817	-1.223785244
183	UBR4	8	1	1.312653032	1.157199003
184	AL035413.1	18	1	-2.88556281	1.169758893
185	EMC1	14	1	-0.106317911	2.863431014
186	MRT04	7	1	4.046701518	-1.297247134
187	AKR7A2	2	1	3.776057807	1.591057576
188	PQLC2	6	1	-1.045977387	-2.485545837
189	CAPZB	3	1	2.490460721	4.861126222
190	MINOS1	2	1	4.721419898	1.110991992
191	NBL1	4	1	-1.220730338	-1.153261148
192	TMCO4	6	1	-1.747474226	-2.95032879
193	OTUD3	5	1	0.531910446	-2.134317123
194	PLA2G2A	15	1	-3.641445312	-1.526681505
195	CAMK2N1	8	1	0.87023088	2.141873993
196	MUL1	5	1	-0.227912161	-2.509600841
197	CDA	1	1	-1.579601202	1.515827454
198	PINK1	14	1	-1.215136322	2.988170422
199	DDOST	3	1	1.514580098	4.986481942
200	KIF17	8	1	0.497524586	0.851960338
201	SH2D5	8	1	0.971577909	0.292555876
202	HP1BP3	16	1	2.600756255	3.37977723
203	EIF4G3	8	1	0.740276185	1.695981778
204	ECE1	8	1	1.01430383	0.331165459
205	NBPF3	9	1	-0.414438787	0.896186508
206	ALPL	8	1	0.300197539	0.935999311
207	USP48	11	1	2.191688147	0.125067122
208	LDLRAD2	1	1	-1.64961389	2.407204188
209	HSPG2	3	1	1.033915189	3.952924765
210	CDC42	16	1	2.85072836	3.705922641
211	WNT4	15	1	-4.321496877	-1.359930597
212	ZBTB40	4	1	-0.112474102	-1.126072727
213	C1QA	19	2	-7.498359117	0.280974269

214	C1QC	19	2	-7.493182573	0.294243462
215	C1QB	19	2	-7.538936052	0.268381901
216	EPHB2	11	1	1.421081272	-0.564554654
217	KDM1A	11	1	2.534753409	-0.059653454
218	LUZP1	2	1	3.888970461	0.115510143
219	HTR1D	4	1	0.317993578	-0.726712428
220	LINC01355	1	1	-1.080593261	1.771042026
221	HNRNPR	16	1	3.372954932	2.867239274
222	ZNF436	9	1	-1.399611506	0.158513374
223	ZNF436-AS	1	1	-2.362231883	1.969218768
224	TCEA3	1	1	-1.657562885	2.907192744
225	ASAP3	9	1	-1.602319869	-0.15520414
226	E2F2	10	1	2.462811556	-4.182121955
227	ID3	3	1	2.574106303	5.206993378
228	MDS2	13	1	-2.790419015	0.597263597
229	RPL11	3	1	2.309152928	5.691448964
230	ELOA	7	1	2.759003249	-0.549260996
231	ELOA-AS1	12	1	-1.780644927	-1.819733583
232	PITHD1	7	1	3.31636199	-1.987738811
233	LYPLA2	2	1	3.926686612	0.163382403
234	GALE	7	1	3.806127635	-1.103401028
235	HMGCL	14	1	-1.100707564	3.379388846
236	FUCA1	19	2	-6.505914602	0.076646812
237	PNRC2	7	1	3.215674248	-2.206676923
238	SRSF10	7	1	3.844495621	-1.488526426
239	STPG1	4	1	0.480314073	-1.814887248
240	NIPAL3	8	1	-0.109998304	1.335599638
241	RCAN3	5	1	-0.200786445	-2.435052596
242	AL445686.2	6	1	-0.735248181	-3.331698381
243	SRRM1	16	1	3.067684498	3.493837394
244	CLIC4	3	1	1.438537326	3.880106009
245	SYF2	3	1	1.186057773	4.657245435
246	RSRP1	14	1	-0.750174317	3.088569201
247	TMEM50A	3	1	1.795955983	4.507875718
248	RHCE	18	1	-2.924971971	1.302962698
249	MACO1	11	1	1.742492166	0.501398861
250	LDLRAP1	13	1	-1.861605081	0.296002902
251	MAN1C1	15	1	-4.763004693	-0.976493322
252	SELENON	14	1	0.024489269	3.17974595
253	MTFR1L	2	1	3.859383193	0.4563196
254	AUNIP	10	1	2.800368157	-3.986662589
255	PAQR7	1	1	-1.317377243	0.879307546
256	STMN1	16	1	3.367766705	2.890324868

257	PAFAH2	4	1	0.1397301	-1.870014392
258	EXTL1	4	1	-2.153649721	-1.024860583
259	PDIK1L	5	1	0.558223632	-2.85535308
260	ZNF593	2	1	4.546048728	0.322877578
261	CEP85	10	1	3.554335681	-3.627930366
262	SH3BGRL3	3	1	2.74150857	4.541080273
263	UBXN11	6	1	-0.262288395	-3.305341684
264	CD52	19	2	-7.051467332	0.171156756
265	CRYBG2	8	1	0.345536825	0.513927929
266	DHDDS	2	1	3.592212763	-0.596617542
267	HMG2	16	1	3.23752698	3.514331855
268	RPS6KA1	11	1	1.007494	-1.125179492
269	ARID1A	8	1	1.403002944	1.025584496
270	PIGV	18	1	-2.912134799	0.836282201
271	ZDHHC18	9	1	-0.410374495	0.108651079
272	SFN	10	1	2.097003069	-3.879230224
273	GPN2	5	1	1.472809163	-3.042750322
274	GPATCH3	5	1	-0.112245295	-2.635100566
275	NUDC	16	1	3.532193747	3.059845485
276	TRNP1	5	1	1.26687893	-1.199483715
277	TENT5B	5	1	1.292136994	-3.217238866
278	SLC9A1	4	1	-0.719453248	-0.933094941
279	WDTC1	9	1	-1.443765912	0.026108093
280	TMEM222	2	1	3.705889311	0.010879673
281	MAP3K6	9	1	-1.552761945	-0.237106584
282	GPR3	5	1	1.826723185	-2.53568884
283	WASF2	3	1	2.344050255	3.618920125
284	AHDC1	4	1	-1.255585107	-1.380269133
285	IFI6	13	1	-2.581505928	-0.801221214
286	FAM76A	5	1	0.329540071	-2.516533576
287	STX12	8	1	-0.069206144	1.579296626
288	PPP1R8	7	1	2.2185038	-1.944190465
289	THEMIS2	1	1	-2.169741306	2.362558283
290	RPA2	10	1	2.785951462	-3.82136365
291	XKR8	4	1	-0.950788173	-1.603811585
292	EYA3	9	1	-0.195139724	-0.033993237
293	DNAJC8	16	1	3.365326252	3.411609687
294	ATP5IF1	3	1	3.295560446	4.676717557
295	SESN2	3	1	1.237649408	2.523987569
296	MED18	6	1	-0.2632781	-3.058269941
297	PHACTR4	11	1	1.956992474	-0.132694267
298	RCC1	14	1	0.61481711	2.626667298
299	TRNAU1A	2	1	3.570532647	-0.572686516

300	SNHG12	14	1	-0.939508411	2.592423953
301	TAF12	2	1	3.441030112	1.346792616
302	RAB42	13	1	-3.131631288	-0.115221761
303	AL360012.1	1	1	-2.123522911	2.46687559
304	GMEB1	5	1	1.539988843	-2.170739852
305	YTHDF2	2	1	4.137150851	-0.411620401
306	OPRD1	1	1	-1.600203547	1.444093741
307	EPB41	9	1	-1.382735643	0.346611611
308	TMEM200B	1	1	-2.09603754	1.781515993
309	SRSF4	3	1	2.023850766	3.656917371
310	MECR	2	1	3.979074326	-0.014863543
311	PTPRU	18	1	-3.290922555	1.128059186
312	MATN1-AS	1	1	-2.093350801	2.045711316
313	LINC01778	12	1	-2.566300544	-2.120911084
314	SDC3	4	1	-1.189957294	-0.747669421
315	PUM1	11	1	1.744227376	0.847255774
316	SNRNP40	7	1	3.875783291	-1.556869708
317	ZCCHC17	2	1	4.236458388	-0.22609105
318	FABP3	13	1	-2.38463274	-0.325923227
319	SERINC2	12	1	-2.511693391	-2.197243892
320	TINAGL1	13	1	-2.640913877	-0.876431905
321	HCRTR1	13	1	-2.72864643	-0.963186704
322	PEF1	2	1	4.32002553	0.116351135
323	COL16A1	13	1	-3.487066421	-0.475142442
324	ADGRB2	1	1	-2.557788286	1.083660699
325	SPOCD1	14	1	0.196147558	2.699766435
326	AL354919.1	17	1	-4.882701787	3.26258377
327	AL136115.2	1	1	-0.923915359	1.912479318
328	PTP4A2	3	1	1.65493485	4.394211091
329	KHDRBS1	16	1	2.875786391	3.31540636
330	TMEM39B	5	1	1.28837463	-3.168903075
331	KPNA6	8	1	1.369750228	1.37602625
332	TXLNA	11	1	2.159199563	0.142260708
333	CCDC28B	2	1	3.970553008	1.08437965
334	AL049795.1	9	1	-1.756189379	-0.101151519
335	IQCC	10	1	2.746139136	-3.399357759
336	TMEM234	6	1	-1.657672677	-2.648996555
337	EIF3I	3	1	2.974670496	4.211151399
338	FAM167B	13	1	-2.013898048	-0.33548113
339	HDAC1	2	1	3.752592888	-0.3944517
340	MARCKSL1	16	1	3.929839697	3.185367621
341	FAM229A	12	1	-3.019853267	-1.332620345
342	BSDC1	1	1	-0.834512147	2.189064421

343	ZBTB8A	4	1	-0.070894103	-1.092185818
344	ZBTB8OS	2	1	4.52927455	0.353698043
345	RBBP4	11	1	2.648187724	-0.51566162
346	SYNC	12	1	-3.071132812	-1.163290702
347	AC114489.1	18	1	-3.138640317	0.806664474
348	KIAA1522	9	1	-0.630023035	0.449587315
349	YARS	3	1	1.693331924	2.874397553
350	S100PBP	1	1	-0.760636303	1.368264235
351	FNDCC5	13	1	-2.851237449	0.029009409
352	TMEM54	2	1	3.34587535	0.38689213
353	RNF19B	8	1	0.030540317	0.533582933
354	AK2	2	1	4.496816721	-0.133773469
355	AZIN2	18	1	-3.59294382	1.346762933
356	TRIM62	4	1	-1.650132808	-1.814848386
357	ZNF362	12	1	-2.937418375	-2.22245165
358	PHC2	17	1	-4.723255071	3.01348976
359	ZSCAN20	4	1	-0.235058758	-1.116273247
360	CSMD2	13	1	-2.602026615	-0.062907838
361	SMIM12	2	1	4.393333998	0.154659577
362	AC114490.3	1	1	-1.820173416	1.774361051
363	ZMYM6	1	1	-1.207200083	0.923224665
364	ZMYM1	10	1	3.316167918	-3.061927282
365	SFPQ	16	1	3.349548665	2.865989245
366	ZMYM4	11	1	2.072878924	0.360965544
367	KIAA0319L	9	1	-1.257489833	0.264492802
368	NCDN	4	1	-1.520472202	-1.361632787
369	TFAP2E	1	1	-1.57799879	2.106267251
370	PSMB2	16	1	3.663496581	3.475264825
371	C1orf216	12	1	-1.941029462	-2.753156387
372	CLSPN	10	1	2.803432551	-3.945021354
373	AGO4	9	1	-0.649890515	-0.237557076
374	AGO1	4	1	-0.181943524	-0.65391215
375	AGO3	8	1	0.107131262	1.740234531
376	ADPRHL2	2	1	3.978692856	-0.306197249
377	COL8A2	13	1	-2.431355628	-0.563344263
378	TRAPPC3	2	1	4.281561938	-0.208761774
379	MAP7D1	7	1	1.959757772	-0.666376792
380	THRAP3	16	1	3.505218115	2.820699252
381	SH3D21	1	1	-1.716863427	2.139028229
382	EVA1B	3	1	2.939775792	4.998032369
383	AL591845.1	1	1	-1.874026808	2.62485794
384	STK40	6	1	-0.347882482	-2.570795737
385	LSM10	2	1	4.376131621	0.534417547

386	OSCP1	12	1	-3.099779996	-1.177958809
387	MRPS15	16	1	3.83379468	3.867172517
388	CSF3R	19	2	-6.929789934	0.177092291
389	LINC01137	12	1	-2.459755573	-1.532796465
390	ZC3H12A	1	1	-2.679483327	2.356336154
391	MEAF6	2	1	3.510797825	-0.293034338
392	SNIP1	11	1	0.401293394	-0.56537851
393	DNAL1	6	1	-1.761255297	-3.476844512
394	GNL2	7	1	2.931303826	-1.033032857
395	C1orf109	5	1	1.364348856	-2.670945131
396	CDCA8	10	1	4.31606206	-3.558998548
397	YRDC	2	1	3.695422974	-0.414705239
398	C1orf122	3	1	3.165395823	5.008155145
399	MTF1	4	1	-0.402117673	-1.166353308
400	INPP5B	9	1	0.012662817	-0.391676806
401	SF3A3	7	1	3.911109772	-1.163470112
402	FHL3	2	1	4.060402003	1.142072595
403	UTP11	2	1	4.271500674	-0.89662417
404	AL139158.2	15	1	-4.045183572	-1.577000462
405	RRAGC	9	1	-0.005633622	0.218376778
406	AL139260.1	12	1	-3.227716836	-1.558939897
407	MYCBP	7	1	2.533979979	-1.205561958
408	RHBDL2	4	1	-1.81294826	-0.961183392
409	AKIRIN1	11	1	2.49160656	0.115035958
410	NDUFS5	16	1	3.399931279	4.573298253
411	MACF1	3	1	1.334625688	3.741350211
412	PABPC4	3	1	1.895449605	3.864985026
413	PIIE	2	1	4.307478037	-0.217053674
414	OXCT2	4	1	-1.808172974	-1.632240258
415	TRIT1	11	1	0.67325094	-1.304111921
416	MYCL	8	1	0.46784791	0.90814159
417	AL033527.2	12	1	-2.488029394	-2.081909858
418	MFSD2A	7	1	2.245683995	-0.686607562
419	CAP1	3	1	2.439493027	3.701415337
420	PPT1	3	1	1.57277402	2.178864397
421	RLF	1	1	-0.551179442	2.015061416
422	TMCO2	17	1	-4.621770296	2.83562044
423	AL050341.2	20	1	-0.948423001	-4.413205825
424	ZMPSTE24	7	1	2.589719382	-0.978351198
425	SMAP2	7	1	3.49678978	-0.932923995
426	ZFP69B	6	1	0.280481619	-2.988700591
427	ZFP69	5	1	0.788551655	-2.312167369
428	AL603839.3	4	1	-1.927010807	-1.117023073

429	EXO5	5	1	1.062063184	-2.745008908
430	ZNF684	10	1	3.285900918	-3.560464345
431	NFYC-AS1	20	1	-0.812774512	-4.310125075
432	NFYC	7	1	2.1572431	-2.215429746
433	CITED4	8	1	0.604266968	0.327187042
434	CTPS1	11	1	2.245658961	0.546473287
435	SLFNL1-AS	1	1	-0.826640996	1.944786466
436	SCMH1	15	1	-4.089689645	-0.669693195
437	AC093151.3	18	1	-3.512571249	1.720722474
438	HIVEP3	12	1	-2.545841846	-1.38380047
439	FOXJ3	9	1	-0.083315681	-0.079326861
440	PPCS	14	1	-1.26752809	3.665200032
441	CCDC30	13	1	-3.122882041	0.38775067
442	PPIH	10	1	4.064411727	-2.133900367
443	YBX1	3	1	3.089908448	4.459996022
444	P3H1	3	1	0.593932	4.526579179
445	C1orf50	12	1	-1.858832869	-2.085074388
446	SVBP	6	1	-1.444911274	-3.477758609
447	ERMAP	13	1	-2.312979612	0.002293922
448	ZNF691	13	1	-2.113955888	0.345083244
449	SLC2A1	14	1	-0.063760984	2.363135375
450	SLC2A1-AS	1	1	-2.067871723	1.403454937
451	EBNA1BP2	2	1	4.559240428	-0.593672239
452	TIE1	8	1	0.781705049	0.748435862
453	CDC20	10	1	4.418939677	-2.839862071
454	ELOVL1	2	1	4.023959485	0.003515132
455	MED8	16	1	3.497953501	4.018676795
456	SZT2	9	1	-0.671190772	-0.233853422
457	SZT2-AS1	1	1	-1.354360613	2.626491345
458	HYI	3	1	1.860907522	4.384175099
459	PTPRF	3	1	1.2477245	4.046368398
460	KDM4A	9	1	-0.617436621	0.142362945
461	KDM4A-AS	5	1	1.210924116	-1.399330341
462	ST3GAL3	9	1	0.140888382	0.048735954
463	IPO13	6	1	-1.20721415	-1.844536744
464	DPH2	5	1	0.690584925	-2.578408204
465	ATP6V0B	16	1	3.648793307	4.288224019
466	B4GALT2	2	1	4.17774066	0.456291251
467	CCDC24	6	1	-1.976146135	-2.88995453
468	SLC6A9	3	1	1.237539139	2.565122165
469	AL139220.2	18	1	-2.806744012	1.418310918
470	KLF17	10	1	4.0914956	-2.988635026
471	DMAP1	2	1	4.137740222	0.633079238

472	ERI3	2	1	4.523904887	0.322092648
473	RNF220	7	1	1.970024553	-1.369835817
474	TMEM53	12	1	-2.369980964	-1.780713044
475	KIF2C	10	1	4.406118956	-3.500056468
476	RPS8	3	1	1.950344172	5.497269429
477	PLK3	8	1	0.687345353	1.310172774
478	BTBD19	12	1	-2.484537038	-1.236706816
479	PTCH2	1	1	-2.42137185	2.287342109
480	EIF2B3	2	1	4.300592509	-0.421214842
481	HECTD3	4	1	0.056291342	-1.206567608
482	UROD	2	1	4.404111472	0.402956975
483	HPDL	7	1	2.558150855	-2.637580358
484	MUTYH	5	1	1.209764329	-3.200290404
485	TOE1	10	1	2.649987307	-3.139060222
486	TESK2	1	1	-2.371384296	2.530455865
487	MMACHC	5	1	1.242263523	-2.376290046
488	PRDX1	16	1	3.456036892	3.886075772
489	AKR1A1	16	1	3.334580985	4.272697724
490	NASP	10	1	3.836732951	-2.10755273
491	GPBP1L1	8	1	-0.109513092	1.122626222
492	TMEM69	9	1	-0.590886149	-0.333897136
493	IPP	6	1	-0.448470178	-2.910341226
494	MAST2	4	1	0.277604055	-1.322761975
495	PIK3R3	6	1	0.318852213	-2.967525922
496	POMGNT1	11	1	1.586863008	-0.534591161
497	LURAP1	6	1	-0.507329974	-3.526184999
498	RAD54L	10	1	2.934886303	-4.095221244
499	LRRC41	14	1	0.068819293	2.32125739
500	UQCRH	3	1	2.608260718	5.403384007
501	NSUN4	9	1	-0.460523847	-0.505641304
502	MKNK1	5	1	-0.122855145	-2.73588153
503	MOB3C	1	1	-1.868703637	1.064323701
504	ATPAF1	2	1	3.556712714	-0.411530636
505	EFCAB14	8	1	0.582655159	1.258194662
506	STIL	10	1	3.570996609	-3.781015597
507	CMPK1	14	1	-0.320925656	3.214775361
508	FOXO2-AS1	11	1	1.31177291	-0.046378754
509	TRABD2B	12	1	-3.381105098	-2.489271604
510	SPATA6	12	1	-3.334095869	-2.55821129
511	BEND5	15	1	-4.578854475	-1.428947769
512	DMRTA2	17	1	-4.954694185	3.355057277
513	FAF1	7	1	3.206239787	-1.768211089
514	CDKN2C	10	1	3.459589329	-3.381236755

515	RNF11	14	1	-0.027166377	2.398871459
516	EPS15	8	1	0.965817061	1.090015687
517	OSBPL9	13	1	-3.634746227	0.35403878
518	NRDC	3	1	2.580691901	2.488655366
519	RAB3B	8	1	1.2056106	1.703384198
520	TXNDC12	3	1	2.200363722	3.091480292
521	KTI12	5	1	1.0851998	-3.263814651
522	BTF3L4	3	1	1.793768015	2.801279105
523	ZFYVE9	9	1	-0.194694418	-0.413579725
524	CC2D1B	4	1	-0.161051828	-1.441740357
525	ORC1	10	1	2.504586545	-4.080630027
526	PRPF38A	7	1	3.587023821	-0.82417699
527	TUT4	11	1	1.841186133	0.901318587
528	GPX7	15	1	-3.966104898	-0.160998546
529	COA7	7	1	2.066345063	-2.4924955
530	ZYG11B	8	1	0.424110022	0.752639957
531	ZYG11A	10	1	3.698068467	-2.979730569
532	ECHDC2	4	1	-1.726360354	-0.649740659
533	SCP2	2	1	3.089302149	1.115525402
534	PODN	4	1	-1.936624679	-0.785911165
535	AL445183.2	4	1	-2.170446071	-1.00851401
536	CPT2	4	1	-0.465000782	-1.892834865
537	C1orf123	2	1	3.942829695	1.197257079
538	MAGOH	7	1	4.232427207	-1.014265858
539	LRP8	5	1	1.753047433	-1.994688951
540	GLIS1	15	1	-4.034796628	-0.731489979
541	NDC1	10	1	3.826846924	-3.427257978
542	YIPF1	13	1	-2.362051639	-0.2876065
543	HSPB11	2	1	4.541252223	-0.379216574
544	LRRC42	2	1	3.620559779	-0.164392434
545	TMEM59	3	1	0.868323412	4.912298478
546	TCEANC2	5	1	0.757895854	-2.229231321
547	AL357673.2	15	1	-3.396242771	-1.685054504
548	CYB5RL	5	1	0.66875079	-3.324279748
549	MRPL37	2	1	4.56379613	0.005126633
550	SSBP3	12	1	-2.660298261	-1.917672597
551	ACOT11	4	1	-1.562282237	-0.679644786
552	TTC4	7	1	2.223814812	-2.179333411
553	PARS2	6	1	-0.632857892	-2.035159551
554	DHCR24	5	1	1.584994998	-1.991314613
555	AC096536.1	5	1	0.878079262	-2.340459548
556	TMEM61	13	1	-2.952072534	-0.000626646
557	USP24	11	1	0.568194535	-0.687864028

558	PLPP3	15	1	-4.613315496	-1.343840204
559	PRKAA2	1	1	-2.061129722	1.095853783
560	OMA1	9	1	-0.990101251	0.129438393
561	TACSTD2	8	1	0.1889386	0.794777192
562	MYSM1	1	1	-0.490752074	1.287758507
563	JUN	16	1	2.868570176	3.724435128
564	AC105277.1	6	1	-2.153596553	-3.310952388
565	FGGY	15	1	-3.903522644	-0.54176148
566	NFIA	9	1	-0.403306994	-0.42204275
567	TM2D1	14	1	-0.280149224	3.100554503
568	AC099791.2	8	1	0.622901884	0.78452871
569	PATJ	8	1	0.423543182	0.559057854
570	USP1	10	1	2.924177495	-3.938507281
571	DOCK7	11	1	2.185288754	0.021626718
572	ANGPTL3	8	1	1.227955547	1.034212984
573	ATG4C	11	1	0.910092679	-1.235361181
574	ALG6	5	1	1.417474714	-2.788527929
575	ITGB3BP	10	1	3.886726943	-2.963923894
576	EFCAB7	5	1	0.834639576	-3.223237477
577	PGM1	14	1	-1.593964371	3.379150666
578	ROR1	6	1	-1.729486021	-3.038213216
579	CACHD1	12	1	-3.177751693	-2.016102039
580	RAVER2	12	1	-2.585946474	-2.455734454
581	JAK1	3	1	0.956894901	4.381743707
582	AK4	1	1	-1.753425869	2.990506209
583	DNAJC6	12	1	-2.608694944	-2.033292733
584	LEPROT	3	1	0.676497665	4.657351292
585	LEPR	1	1	-1.800880227	2.804228104
586	PDE4B	17	1	-3.171659383	2.49187044
587	SGIP1	8	1	0.598244455	0.277671642
588	TCTEX1D1	6	1	-1.047610793	-3.767202102
589	WDR78	15	1	-3.669858608	-2.274157487
590	MIER1	11	1	1.804812637	0.854318805
591	SLC35D1	1	1	-1.547969851	0.669496156
592	SERBP1	16	1	2.846934166	3.681829728
593	GADD45A	3	1	1.839663353	3.201586522
594	GNG12	16	1	2.872186032	3.018210687
595	DIRAS3	2	1	4.45216569	-0.791625463
596	WLS	14	1	0.02621216	2.786603249
597	DEPDC1	10	1	4.522435275	-3.24036523
598	DEPDC1-AS1	10	1	3.792823163	-3.446289264
599	LRRC7	8	1	0.17664471	1.111230708
600	LRRC40	5	1	1.894589391	-2.805278026

601	SRSF11	3	1	2.342209425	3.908392705
602	ANKRD13C	4	1	-0.605645332	-0.837545954
603	HHLA3	13	1	-3.115991983	0.388634227
604	CTH	3	1	1.21787366	2.492255009
605	AL354872.2	8	1	0.585647371	1.97141663
606	PTGER3	17	1	-4.858782205	3.215020455
607	ZRANB2	16	1	2.889807311	3.562889375
608	NEGR1	17	1	-3.000820789	2.453164376
609	FPGT	6	1	-1.029368553	-3.061480485
610	PGT-TNNI3	1	1	-1.902164611	2.229294576
611	CRYZ	5	1	1.514515367	-1.953603231
612	TYW3	2	1	4.20004138	-0.426487349
613	ACADM	2	1	3.785240737	-0.556731366
614	RABGGTB	14	1	0.282451165	2.345088877
615	MSH4	17	1	-4.743529233	3.15267805
616	AC092813.2	12	1	-2.97107521	-2.230341874
617	T6GALNAC	6	1	-1.083273801	-3.141382657
618	T6GALNAC	8	1	-0.261125717	1.839541711
619	PIGK	14	1	0.241827112	2.913820065
620	AK5	8	1	0.445240167	0.214017622
621	AC118549.1	11	1	1.573790756	-0.08188846
622	USP33	11	1	1.903094855	0.64044819
623	MIGA1	14	1	-0.503642294	2.994818724
624	NEXN-AS1	5	1	1.041186538	-1.988335096
625	NEXN	2	1	4.382939425	1.427313842
626	FUBP1	7	1	3.09322032	-1.124169074
627	DNAJB4	14	1	-0.088013227	2.53097514
628	GIPC2	11	1	0.599549261	-1.192722045
629	AC103591.3	1	1	-2.097555551	2.654289283
630	PTGFR	14	1	-1.094615015	2.737164773
631	IFI44L	17	1	-2.942319068	2.418372907
632	IFI44	1	1	-2.286967668	2.364245094
633	ADGRL4	7	1	1.738701907	-0.693786822
634	ADGRL2	12	1	-3.251003179	-2.081696712
635	TTLL7	1	1	-1.676113638	0.534202181
636	AL359504.2	1	1	-2.203619155	2.386440076
637	PRKACB	14	1	-0.554362032	2.460128821
638	RPF1	2	1	4.16396102	-0.805515371
639	GNG5	3	1	3.11319336	4.637811936
640	CTBS	14	1	-1.026345763	3.555458583
641	SSX2IP	5	1	1.643268552	-2.221875631
642	LPAR3	11	1	1.207447019	-0.234286569
643	WDR63	15	1	-3.76393548	-1.583821975

644	SYDE2	4	1	-1.752076778	-0.410213374
645	C1orf52	2	1	3.468436804	0.718085117
646	BCL10	8	1	0.776358929	1.250841178
647	AL078459.1	4	1	-1.694494161	-1.711894714
648	DDAH1	8	1	0.288825688	1.46958474
649	AC092807.3	8	1	-0.000107873	1.509143509
650	CYR61	3	1	1.414282051	4.289965667
651	ZNHIT6	11	1	2.470813838	-0.217667245
652	COL24A1	18	1	-2.942138347	2.138590373
653	ODF2L	11	1	2.107288447	-0.186194085
654	AL049597.2	12	1	-2.804297122	-2.412645303
655	SH3GLB1	3	1	1.456572977	5.022450723
656	SELENOF	3	1	3.007736531	4.945836343
657	HS2ST1	4	1	-0.35124335	-1.278408729
658	LINC01140	13	1	-2.879737291	0.443025812
659	LMO4	3	1	1.30189487	4.608759679
660	PKN2	11	1	1.967887726	0.605867393
661	GTF2B	2	1	3.731072035	0.120991982
662	KYAT3	7	1	3.10217866	-0.61075493
663	RBMXL1	5	1	1.269623247	-2.100979768
664	GBP3	8	1	0.496024933	0.030056424
665	GBP1	13	1	-3.275571975	-0.900444471
666	GBP2	1	1	-2.484775695	2.912376441
667	GBP4	6	1	-2.248568687	-3.499444925
668	AC099063.4	6	1	-2.099293622	-3.597068988
669	GBP5	17	1	-3.875139389	3.033781327
670	LRRC8B	5	1	0.776098636	-1.834773503
671	LRRC8C	11	1	0.440791097	-0.355263971
672	LRRC8D	9	1	-0.626464281	0.798685916
673	ZNF326	2	1	3.492594567	-0.704884611
674	ZNF644	11	1	2.050063935	0.397054987
675	CDC7	10	1	2.670973626	-3.729863845
676	TGFBR3	18	1	-3.959362659	2.089460648
677	EPHX4	12	1	-2.228792104	-2.63635584
678	BTBD8	1	1	-2.32729784	0.881292261
679	GLMN	5	1	1.385473934	-2.863780223
680	RPAP2	6	1	-0.346385571	-3.299752675
681	EVI5	8	1	1.115271297	0.592219941
682	RPL5	3	1	1.989955273	5.548622884
683	FAM69A	13	1	-2.317752752	-0.632279359
684	MTF2	10	1	3.106481638	-3.215682231
685	TMED5	11	1	1.672515598	0.77407334
686	CCDC18	10	1	3.958559361	-3.322516404

687	DR1	11	1	2.187696066	0.018362976
688	FNBP1L	11	1	2.41438016	-0.453400873
689	BCAR3	8	1	1.156461087	0.790524341
690	DNTTIP2	2	1	3.8496519	-0.851278268
691	GCLM	17	1	-3.666542205	2.33068303
692	ARHGAP29	11	1	1.242926207	0.123411543
693	AC097059.1	11	1	1.255866733	-0.45808854
694	ABCD3	5	1	1.459795204	-2.050774776
695	F3	1	1	-1.069689068	2.174938358
696	CNN3	3	1	1.937565771	3.635100402
697	AC105942.1	4	1	-1.381468806	-0.463233613
698	ALG14	5	1	0.861404744	-3.37289282
699	TMEM56	5	1	0.705516961	-3.073213063
700	RWDD3	1	1	-2.489684495	1.050570406
701	PTBP2	11	1	0.487403002	-0.244814776
702	DPYD	14	1	0.307150301	2.481005706
703	DPYD-AS1	1	1	-2.186189565	2.137106932
704	MIR137HG	5	1	1.515762415	-1.532100998
705	BX005019.1	9	1	-0.388821665	0.05800996
706	LINC01776	5	1	0.763808933	-2.695365869
707	SNX7	14	1	-0.372492108	2.594349421
708	PALMD	12	1	-3.305111799	-2.034322702
709	FRRS1	15	1	-3.965850267	-1.014247976
710	AGL	6	1	-0.542513225	-2.409519397
711	SLC35A3	9	1	-0.535044047	1.055053212
712	MFS14A	1	1	-0.668330523	1.489657201
713	SASS6	10	1	3.299173441	-3.684598647
714	TRMT13	5	1	1.510958281	-2.026375734
715	DBT	1	1	-1.320435318	0.798030324
716	RTCA	2	1	3.443973628	0.744498975
717	CDC14A	11	1	0.505397108	-1.004475795
718	VCAM1	8	1	0.508895543	2.130677499
719	EXTL2	6	1	-1.047753486	-3.214642488
720	SLC30A7	8	1	0.411580887	2.035653986
721	DPH5	14	1	-0.801347706	3.254916467
722	AC093157.2	7	1	1.998909083	-2.156511031
723	AC093157.1	6	1	-0.791565868	-2.902654611
724	AL109741.1	5	1	1.723478523	-2.057630263
725	S1PR1	8	1	0.802601245	0.307865694
726	COL11A1	18	1	-3.154900941	1.944144048
727	RNPC3	4	1	-0.172150719	-0.798901998
728	PRMT6	5	1	0.933458891	-3.27921959
729	SLC25A24	7	1	3.114712563	-0.953798376

730	FAM102B	10	1	3.860565987	-3.047822677
731	HENMT1	12	1	-2.942412528	-2.895111285
732	PRPF38B	8	1	1.02646729	1.919622578
733	FNDC7	17	1	-4.849410924	3.024325169
734	STXBP3	11	1	1.612138	0.743032314
735	AL449266.1	13	1	-2.30340496	0.575360589
736	GPSM2	10	1	4.379660693	-3.244658672
737	CLCC1	4	1	-0.130407232	-1.938978397
738	WDR47	5	1	0.020698874	-2.229974471
739	TAF13	14	1	-0.024428892	2.12336234
740	AL356488.3	20	1	-1.419928822	-3.946244441
741	TMEM167B	14	1	-0.96687797	3.103719272
742	KIAA1324	12	1	-2.470112953	-2.727980338
743	SARS	3	1	1.793685642	3.284718789
744	CELSR2	8	1	0.501946744	0.122696496
745	PSRC1	10	1	4.39012393	-3.340523444
746	SORT1	8	1	0.279632461	0.948737718
747	PSMA5	16	1	3.688488808	3.381161488
748	ATXN7L2	5	1	0.810411122	-2.538836442
749	CYB561D1	4	1	-1.061880025	-1.736944877
750	GNAI3	11	1	2.353784647	0.530457936
751	AMPD2	14	1	-0.698315355	2.747324265
752	GSTM4	13	1	-3.251807126	0.343832597
753	GSTM2	1	1	-2.248185071	2.224808968
754	GSTM5	18	1	-3.484938058	1.549196876
755	GSTM3	14	1	-0.420190278	4.199972905
756	CSF1	9	1	-0.75683907	0.723670788
757	AHCYL1	3	1	1.151813832	4.142636575
758	STRIP1	4	1	-0.077459733	-2.029087506
759	AL160006.1	9	1	-1.215985331	0.119690336
760	KCNC4	1	1	-1.002599749	1.019001283
761	RBM15	11	1	0.449383941	-0.496524655
762	SLC16A4	9	1	-1.867241773	0.151401885
763	LAMTOR5	3	1	2.835514155	4.599236764
764	CD53	19	2	-7.461061868	0.271267317
765	LRIF1	8	1	0.372703996	0.78745196
766	AL360270.3	15	1	-3.557947788	-2.318061792
767	DRAM2	14	1	-1.196227703	3.032377757
768	CEPT1	1	1	-0.736449215	1.302619077
769	DENND2D	1	1	-1.550149235	1.94405631
770	CHI3L2	1	1	-2.250286493	2.533068456
771	WDR77	2	1	3.973200169	-0.723376237
772	ATP5PB	3	1	3.143458691	4.078731574

773	C1orf162	19	2	-7.359636697	0.262883901
774	TMIGD3	19	2	-7.214369211	0.200756736
775	RAP1A	8	1	1.25046989	1.542676367
776	DDX20	5	1	1.306704131	-2.76771494
777	KCND3	12	1	-2.953871879	-2.111409866
778	LINC01750	12	1	-2.914029512	-2.181505405
779	CTTNBP2N	8	1	1.58791658	1.052294053
780	WNT2B	9	1	-0.521534833	0.546775348
781	ST7L	9	1	0.027286113	-0.119144909
782	CAPZA1	3	1	1.869351116	2.625917233
783	MOV10	6	1	-1.045662794	-2.00455042
784	RHOC	3	1	2.809081879	4.47124175
785	PPM1J	9	1	-0.095400605	0.839346476
786	FAM19A3	6	1	-1.622322473	-3.100344382
787	AL390729.1	12	1	-2.327425155	-1.714804851
788	SLC16A1	8	1	1.011163381	1.39861504
789	LC16A1-AS	8	1	0.659885433	1.570891894
790	LRIG2	9	1	-0.982962045	0.66145236
791	MAGI3	5	1	1.619313565	-2.369193517
792	PHTF1	6	1	-0.617069516	-2.465089046
793	RSBN1	10	1	3.85597333	-2.880084001
794	PTPN22	1	1	-1.868176612	2.220526971
795	AP4B1	5	1	0.502883223	-2.273967467
796	DCLRE1B	10	1	2.550310221	-3.901472293
797	HIPK1-AS1	12	1	-3.438971433	-2.482436858
798	HIPK1	9	1	-0.418723229	0.829729505
799	OLFML3	3	1	0.893469956	4.940138615
800	TRIM33	7	1	1.927643743	-1.056636177
801	BCAS2	2	1	4.115616408	-0.571699344
802	DENND2C	12	1	-2.53983942	-2.733789645
803	NRAS	7	1	3.089288321	-0.932382189
804	CSDE1	3	1	1.49911758	4.062023915
805	SIKE1	14	1	-1.056358013	3.438862122
806	TSPAN2	13	1	-2.712216529	-0.968078219
807	NGF	8	1	0.571805325	1.115997232
808	VANGL1	10	1	3.561660615	-3.040626489
809	SLC22A15	9	1	-0.401055876	-0.07343214
810	ATP1A1	14	1	0.429535416	2.66684059
811	CD58	5	1	-0.09087241	-2.241076671
812	IGSF3	13	1	-2.472491655	-0.094996087
813	AL157904.1	15	1	-3.333220157	-1.78348776
814	PTGFRN	13	1	-2.369897994	-0.182604932
815	TTF2	10	1	3.167353955	-3.195940219

816	TRIM45	9	1	-0.539823565	0.098350562
817	MAN1A2	11	1	2.018316594	-0.164654277
818	TENT5C	15	1	-4.064495954	0.321264893
819	GDAP2	4	1	-0.305499199	-0.911721908
820	WDR3	7	1	3.122619	-1.460547053
821	WARS2	5	1	-0.03625619	-2.404106103
822	AL359915.2	4	1	-0.32254729	-2.143557988
823	ZNF697	9	1	-0.626626405	0.176664404
824	PHGDH	3	1	1.808001962	3.069847859
825	ADAM30	17	1	-4.882140073	3.205392159
826	NOTCH2	14	1	-0.034626971	2.939342536
827	SEC22B	14	1	-0.304839525	3.258050479
828	NBPF26	4	1	-0.731743071	-0.544319235
829	LINC00623	1	1	-2.375683937	1.99117247
830	FCGR1B	19	2	-7.433656606	0.275456488
831	FAM72B	10	1	4.365038481	-3.254349433
832	SRGAP2C	8	1	0.04411423	0.510543369
833	AC244021.1	17	1	-4.701513681	2.859543122
834	FAM72C	10	1	4.320553389	-3.203312122
835	AC245595.1	3	1	2.562548485	5.075717725
836	NBPF15	9	1	-0.822066519	-0.029778533
837	SRGAP2B	8	1	0.023313299	0.522422351
838	FAM72D	10	1	4.365589705	-3.153795682
839	AC245014.3	15	1	-4.005697164	0.538978286
840	NBPF20	8	1	0.548757163	0.223132632
841	GPR89A	5	1	0.366064396	-2.937597715
842	RNF115	11	1	2.873306838	-0.229307734
843	POLR3C	5	1	1.123512235	-3.055184089
844	NUDT17	6	1	-0.814554963	-2.669044696
845	PIAS3	9	1	-1.091044936	0.365943992
846	ANKRD35	6	1	-0.312907222	-3.494310104
847	ITGA10	17	1	-4.441831979	2.517380513
848	PEX11B	4	1	-1.646389636	-1.643580161
849	RBM8A	16	1	3.828679648	3.138122834
850	LIX1L	8	1	1.40690693	1.059322275
851	ANKRD34A	6	1	-1.205756459	-2.00517603
852	POLR3GL	2	1	3.778037634	1.025128342
853	TXNIP	3	1	0.976346281	4.453175343
854	NBPF10	9	1	-1.032186183	-0.074682139
855	NOTCH2NL	1	1	-0.903434667	1.776734747
856	NBPF12	9	1	-0.741936657	0.040333427
857	PRKAB2	14	1	-1.052693042	2.586219586
858	AC242426.2	6	1	-2.308738861	-3.10872265

859	FMO5	15	1	-4.079419527	-1.778112613
860	CHD1L	7	1	2.440424767	-1.846797668
861	BCL9	4	1	-1.15845314	-1.229620777
862	ACP6	9	1	-1.131055507	0.152584187
863	GPR89B	4	1	-0.964030418	-1.819936954
864	NBPF11	9	1	-0.868006262	0.16598276
865	PPIAL4G	17	1	-4.914208326	3.160200394
866	NBPF14	8	1	0.62449154	0.349209752
867	NUDT4B	6	1	-1.334744606	-2.675651752
868	PDE4DIP	14	1	-0.37389088	2.618142642
869	NBPF9	9	1	-0.353387478	0.497084372
870	AC245297.3	1	1	-0.891855154	1.076638199
871	AC245297.2	9	1	-0.311385426	-0.188731216
872	NBPF19	1	1	-0.982864413	1.717140235
873	HIST2H2BF	10	1	2.265474406	-4.519931041
874	HIST2H3D	10	1	2.523478833	-4.472814284
875	HIST2H4A	15	1	-3.683817539	-1.280547463
876	HIST2H4B	10	1	2.326196995	-4.561642371
877	AC239868.2	20	1	-0.968978438	-4.452197276
878	HIST2H2BE	13	1	-2.387710723	-0.028291397
879	HIST2H2AC	10	1	2.205671158	-4.483425342
880	HIST2H2AE	10	1	2.261281577	-4.534228526
881	BOLA1	6	1	-0.558182332	-3.009468518
882	SV2A	9	1	-0.656877551	-0.059668116
883	SF3B4	2	1	4.476242152	-0.377925836
884	MTMR11	1	1	-1.346701655	0.90219704
885	OTUD7B	9	1	-0.486422095	0.0479495
886	VPS45	5	1	0.453201976	-1.950330697
887	PLEKHO1	11	1	2.439425555	0.468393422
888	ANP32E	10	1	4.197059718	-2.383437596
889	APH1A	2	1	3.272049037	-0.360891722
890	C1orf54	13	1	-3.494057569	-0.328799747
891	CIART	11	1	0.842873898	-1.293563567
892	MRPS21	3	1	3.127054539	4.847425259
893	PRPF3	7	1	2.135731307	-1.466118895
894	RPRD2	9	1	0.129540656	-0.512672745
895	TARS2	11	1	0.883031514	-1.042904459
896	ECM1	14	1	-0.336453173	3.48759488
897	ADAMTSL4	1	1	-1.582805428	2.433171786
898	MCL1	8	1	0.979800132	1.888730801
899	ENSA	2	1	4.309016791	-0.355109595
900	GOLPH3L	1	1	-1.995968017	1.347596384
901	CTSS	19	2	-7.223555955	0.362451864

902	CTSK	18	1	-3.602958831	1.751218714
903	ARNT	1	1	-1.814038071	2.423251666
904	SETDB1	4	1	-0.367856804	-0.746270023
905	CERS2	8	1	0.853856471	1.942906417
906	MINDY1	12	1	-2.366006526	-1.250558578
907	PRUNE1	13	1	-2.092165384	-0.036976658
908	C1orf56	12	1	-3.27817646	-1.302186094
909	CDC42SE1	8	1	0.525892702	1.83251635
910	MLLT11	12	1	-2.099806461	-2.208516322
911	GABPB2	4	1	0.371989366	-1.528105222
912	SEMA6C	12	1	-2.366622123	-1.121990048
913	TNFAIP8L2	19	2	-7.476285848	0.19059781
914	SCNM1	2	1	4.14967784	0.545522146
915	LYSMD1	13	1	-2.941960725	-0.101181798
916	VPS72	7	1	3.058142272	-1.47064706
917	PIP5K1A	8	1	0.337682155	1.243503488
918	PSMD4	16	1	3.778040734	3.635420598
919	AL391069.2	13	1	-3.217022809	-0.134407304
920	ZNF687	4	1	-0.883264992	-1.343055211
921	PI4KB	6	1	-0.900111947	-2.012197457
922	RFX5	4	1	-0.848998043	-1.00349959
923	AL391069.3	6	1	-2.199213418	-2.983394586
924	SELENBP1	13	1	-3.654648456	-0.073691689
925	PSMB4	16	1	3.644576636	4.029022969
926	POGZ	11	1	1.091782895	-0.317563914
927	TUFT1	9	1	-0.243807557	0.894481875
928	SNX27	8	1	0.775609103	1.614055075
929	RIIAD1	12	1	-3.354088935	-1.861817084
930	MRPL9	2	1	4.452199069	-0.356231414
931	OAZ3	12	1	-3.207900438	-1.653859578
932	TDRKH	4	1	-0.432809058	-2.00234028
933	THEM4	6	1	-0.364321354	-3.277556859
934	S100A10	3	1	2.967342701	4.454140939
935	S100A11	3	1	2.806951371	4.586829938
936	FLG	12	1	-2.753724489	-1.982330285
937	S100A9	19	2	-7.446572217	0.227415375
938	S100A8	19	2	-7.56680623	0.327308502
939	S100A6	3	1	2.281562415	5.122105874
940	S100A4	18	1	-3.540599975	1.332656123
941	S100A3	6	1	-0.429969463	-2.9055328
942	S100A2	6	1	-0.98628715	-3.086725913
943	S100A16	3	1	2.963928071	4.292287625
944	S100A13	3	1	3.159784403	4.869583882

945	AL162258.2	4	1	-1.511567387	-0.959061943
946	CHTOP	7	1	4.136938181	-1.038320147
947	SNAPIN	2	1	3.509448138	0.599002816
948	ILF2	16	1	3.495282021	3.108496226
949	INTS3	1	1	-1.117376718	1.261006392
950	SLC27A3	1	1	-1.069378647	1.092253782
951	GATAD2B	9	1	-0.82438657	0.180502854
952	DENND4B	4	1	0.423837182	-1.367719017
953	CRTC2	9	1	-0.40749425	0.436683722
954	SLC39A1	2	1	4.201569167	-0.030143492
955	AL358472.4	12	1	-2.065611991	-2.216072761
956	CREB3L4	1	1	-2.576347503	1.335212447
957	JTB	3	1	2.425789919	5.501794137
958	RAB13	3	1	2.272759524	5.385990418
959	RPS27	3	1	1.765181747	5.220521249
960	TPM3	16	1	3.128371087	3.213675059
961	C1orf43	3	1	1.638723937	5.244661607
962	UBAP2L	11	1	2.466008034	-0.463247918
963	HAX1	16	1	3.89571723	3.861282624
964	ATP8B2	1	1	-1.393314871	0.798511691
965	IL6R	8	1	0.347057846	0.769083567
966	UBE2Q1	2	1	4.17396411	0.801703699
967	CHRNA2	4	1	-0.571600232	-1.866006099
968	ADAR	11	1	2.029233423	-0.2410452
969	KCNN3	4	1	-1.518670592	-1.258294545
970	PMVK	2	1	4.49012765	0.475803539
971	PBXIP1	18	1	-2.79475728	1.603076495
972	PYGO2	4	1	0.117807043	-1.249123179
973	SHC1	3	1	0.371281204	4.178282536
974	CKS1B	10	1	4.167269793	-2.506249629
975	FLAD1	2	1	4.081614581	-0.116838925
976	ZBTB7B	4	1	-1.66937879	-0.550369047
977	ADAM15	4	1	-0.74268696	-0.815470182
978	EFNA4	6	1	-1.332338128	-3.006441795
979	EFNA3	1	1	-2.227038059	3.163859881
980	EFNA1	17	1	-4.789765748	3.254176654
981	SLC50A1	14	1	-1.220678482	3.503907002
982	DPM3	14	1	-0.334145907	4.018238105
983	KRTCAP2	3	1	2.478569594	4.992876805
984	TRIM46	6	1	-1.701020154	-2.381632291
985	MUC1	13	1	-2.945104274	-0.574620627
986	THBS3	13	1	-3.294391069	-0.49395486
987	MTX1	2	1	4.443921652	0.77206523

988	GBA	13	1	-3.007131013	-0.428831004
989	FAM189B	1	1	-0.527737412	1.702486791
990	SCAMP3	14	1	-0.093653816	2.720123328
991	CLK2	1	1	-1.290439639	1.674153961
992	HCN3	12	1	-2.588408622	-2.1679525
993	FDPS	16	1	3.476838675	3.698173083
994	RUSC1	5	1	0.181941476	-2.435573541
995	ASH1L	8	1	1.597155657	1.059831418
996	ASH1L-AS1	20	1	-1.222745332	-4.319669925
997	MSTO1	5	1	1.161753979	-2.808928929
998	YY1AP1	11	1	0.718342629	-1.043756448
999	DAP3	2	1	3.929304448	-0.713562094
1000	GON4L	11	1	2.137788144	-0.097611718
1001	SYT11	1	1	-1.028963003	1.707477726
1002	RIT1	2	1	3.379112807	0.439838495
1003	KHDC4	9	1	-0.359721425	0.76975695
1004	ARHGEF2	3	1	1.388640609	2.578437604
1005	SSR2	3	1	1.994110551	4.918062962
1006	UBQLN4	11	1	0.718978611	-1.433863603
1007	LAMTOR2	16	1	3.630714503	4.366325177
1008	MEX3A	10	1	3.618386593	-2.879721366
1009	LMNA	16	1	3.831413594	3.361381329
1010	SLC25A44	5	1	-0.170253608	-2.451811992
1011	PMF1	2	1	4.510305014	-0.383194052
1012	PAQR6	13	1	-2.364608678	-0.75871142
1013	SMG5	4	1	-0.188309747	-1.169254743
1014	GLMP	14	1	-1.121195468	3.421124257
1015	CCT3	16	1	3.913071957	3.287867345
1016	MEF2D	1	1	-0.654434535	1.591552891
1017	IQGAP3	10	1	4.464513865	-3.189339362
1018	NAXE	2	1	4.579326716	0.50890214
1019	GPATCH4	7	1	4.142509547	-1.044733845
1020	NES	7	1	1.557591167	-0.865511857
1021	CRABP2	1	1	-2.243442926	3.040141858
1022	ISG20L2	7	1	2.105055419	-1.615649425
1023	RRNAD1	1	1	-1.954406533	1.910916962
1024	MRPL24	7	1	3.955698576	-0.890272342
1025	HDGF	16	1	2.784391251	3.15183524
1026	PRCC	2	1	3.899679509	-0.142203175
1027	SH2D2A	4	1	-1.825399312	-1.450346314
1028	PEAR1	8	1	0.195210498	0.814588614
1029	ARHGEF11	4	1	-0.158044118	-0.878907047
1030	ETV3	4	1	-0.824079904	-0.460290812

1031	KIRREL1	8	1	0.07812008	1.911490835
1032	CD1D	19	2	-6.353588018	0.347469179
1033	MNDA	19	2	-7.496307287	0.280151225
1034	IFI16	3	1	1.165506807	4.415469445
1035	CADM3	15	1	-3.884149703	-1.366779648
1036	DUSP23	6	1	-1.576682481	-2.916721545
1037	AL590560.2	1	1	-1.896117124	1.934362329
1038	CFAP45	5	1	0.71922138	-1.848200284
1039	TAGLN2	3	1	2.615817395	3.963582791
1040	LINC01133	12	1	-2.207405958	-1.692000114
1041	PIGM	6	1	-0.610492978	-2.538700544
1042	AL121987.1	17	1	-4.824088964	2.753470219
1043	IGSF8	13	1	-2.357910785	0.776114143
1044	CASQ1	13	1	-2.253840599	-0.390381955
1045	PEA15	8	1	0.918843713	0.881843962
1046	DCAF8	4	1	-0.825685534	-0.73895105
1047	AL139011.2	17	1	-4.445290002	3.184311189
1048	PEX19	5	1	0.068040256	-2.236796342
1049	COPA	3	1	0.911041644	4.201741732
1050	NCSTN	14	1	-0.316033635	3.352855719
1051	NHLH1	17	1	-4.68508378	2.886561431
1052	VANGL2	4	1	-1.45461348	-0.742996775
1053	CD84	19	2	-7.448416147	0.270474337
1054	F11R	1	1	-2.014019641	1.711123146
1055	TSTD1	13	1	-3.768026981	-0.654605471
1056	USF1	9	1	-0.122338611	0.293471508
1057	KLHDC9	15	1	-3.890530738	-1.098360501
1058	PFDN2	16	1	3.354143944	3.665963448
1059	NIT1	9	1	-1.567638072	0.062620498
1060	DEDD	4	1	-0.32484481	-1.410776697
1061	UFC1	3	1	3.259125557	4.911826886
1062	USP21	1	1	-1.292271885	1.794586099
1063	PPOX	5	1	1.053215948	-2.911755763
1064	B4GALT3	1	1	-0.83736721	2.241719879
1065	ADAMTS4	7	1	1.981887188	-1.248269998
1066	NDUFS2	16	1	3.57589778	3.809433974
1067	APOA2	10	1	1.98260757	-4.161782943
1068	TOMM40L	5	1	-0.084887716	-2.46440097
1069	MPZ	1	1	-1.35995737	1.685138501
1070	SDHC	3	1	1.81400713	4.32466606
1071	AL592295.4	1	1	-2.033430252	2.954544343
1072	FCGR2A	19	2	-7.364745054	0.261751376
1073	FCGR2B	19	2	-7.489043149	0.242566637

1074	FCRLB	5	1	0.508543906	-2.930795633
1075	DUSP12	7	1	3.674910632	-1.261063062
1076	ATF6	7	1	2.314151373	-0.501351856
1077	OLFML2B	10	1	4.261361685	-2.960501157
1078	NOS1AP	12	1	-2.722468051	-2.746310435
1079	C1orf226	12	1	-2.902294073	-2.101044379
1080	UHMK1	11	1	1.712163654	0.365890356
1081	UAP1	16	1	3.105241862	2.732909478
1082	DDR2	14	1	0.820283261	3.465746917
1083	HSD17B7	9	1	-1.592913899	0.246185325
1084	CCDC190	5	1	-0.244357768	-2.448903285
1085	RGS4	5	1	-0.282159093	-2.411128007
1086	RGS5	12	1	-2.81642476	-1.784975969
1087	RGS5.1	20	1	-0.82587156	-4.207403384
1088	NUF2	10	1	4.54293355	-3.318794213
1089	PBX1	18	1	-3.914549026	1.017301179
1090	MGST3	3	1	2.471909848	4.822508611
1091	ALDH9A1	2	1	3.431009617	-0.297270023
1092	TMCO1	3	1	1.155813304	4.79671935
1093	UCK2	7	1	3.352968064	-1.197777473
1094	POGK	7	1	1.401805249	-0.803614818
1095	TADA1	11	1	0.511645403	-0.845701538
1096	POU2F1	9	1	-0.195266101	0.57227131
1097	CD247	17	1	-2.761166725	2.998134173
1098	CREG1	15	1	-3.991071138	0.278824672
1099	MPZL1	14	1	-0.905312929	3.374008693
1100	MPC2	2	1	4.053766814	0.475115336
1101	DCAF6	8	1	0.944332865	0.777553685
1102	GPR161	11	1	0.675188687	-0.73823639
1103	TIPRL	2	1	3.855457869	-0.359436535
1104	SFT2D2	5	1	1.339809385	-1.32839986
1105	TBX19	1	1	-1.70275608	1.909298457
1106	DPT	15	1	-4.643978986	-0.164277218
1107	LINC00626	15	1	-4.719772253	-0.493405484
1108	ATP1B1	2	1	3.166878787	-0.296354138
1109	NME7	2	1	3.48909792	-0.163380824
1110	BLZF1	4	1	0.204618302	-0.96393951
1111	CCDC181	5	1	0.767958847	-3.079797231
1112	SLC19A2	1	1	-2.063851509	1.258125163
1113	AL021068.1	15	1	-4.019262704	-1.779020988
1114	C1orf112	10	1	3.404402819	-3.602751933
1115	METTL18	5	1	1.05694088	-3.014005862
1116	SCYL3	4	1	-0.572207245	-1.083074533

1117	KIFAP3	2	1	3.626337615	0.636776812
1118	GORAB	4	1	0.004956771	-0.904274069
1119	PRRX1	11	1	2.748428431	-0.298938237
1120	Z97200.1	5	1	0.730812874	-1.947317802
1121	FMO4	15	1	-3.938870105	-1.384917461
1122	PRRC2C	16	1	2.774041024	3.333691396
1123	VAMP4	1	1	-1.355712089	1.6989545
1124	METTTL13	5	1	1.530330506	-2.734649144
1125	DNM3	15	1	-3.827532682	-2.400103532
1126	DNM3OS	15	1	-4.367133531	-0.290294491
1127	PIGC	6	1	-0.105279166	-3.440817081
1128	SUCO	11	1	1.57290062	0.756297834
1129	AL031599.1	8	1	0.63346186	1.248461164
1130	Z97198.1	8	1	0.829095927	0.795644857
1131	AL022310.1	8	1	-0.17086992	1.401125349
1132	TNFSF4	8	1	0.36040118	1.01529286
1133	AL645568.1	4	1	-1.723509106	-0.524070822
1134	PRDX6	3	1	2.379140702	4.981595792
1135	SLC9C2	9	1	-1.596874032	0.229718469
1136	KLHL20	4	1	-0.680861327	-1.827063047
1137	CENPL	10	1	3.468269434	-3.608739101
1138	DARS2	7	1	2.958543864	-2.790737115
1139	ZBTB37	1	1	-0.876123759	1.146458722
1140	RC3H1	9	1	-0.564065787	0.522275559
1141	AL121983.2	20	1	-1.393980178	-3.970304691
1142	RABGAP1L	1	1	-1.491734538	0.510062225
1143	CACYBP	7	1	4.016959277	-1.319449865
1144	MRPS14	2	1	4.314528075	-0.124356412
1145	COP1	4	1	0.17379899	-0.944629394
1146	AL590723.1	1	1	-0.709285471	1.383319296
1147	PAPPA2	13	1	-3.408365879	-0.251492582
1148	SEC16B	13	1	-2.289962682	0.60276062
1149	RASAL2-AS	1	1	-2.138470802	1.42769102
1150	RASAL2	8	1	-0.190831813	1.495691933
1151	C1orf220	11	1	0.715991703	-0.474334978
1152	RALGPS2	1	1	-0.211220595	2.12751428
1153	ANGPTL1	15	1	-4.763907346	-0.731781446
1154	FAM20B	11	1	1.133108106	-0.525541269
1155	TOR3A	7	1	2.241119233	-2.652476035
1156	ABL2	11	1	1.585117426	-0.229025983
1157	SOAT1	11	1	1.108629432	-0.876528464
1158	TOR1AIP2	8	1	0.354755667	1.983679689
1159	AL353708.3	20	1	-0.80847815	-4.575587951

1160	TOR1AIP1	7	1	1.622472134	-0.867409311
1161	CEP350	8	1	1.41185042	1.322536267
1162	QSOX1	3	1	0.961351958	4.377094067
1163	ACBD6	2	1	4.470987406	0.479353532
1164	XPR1	9	1	-0.479746017	-0.545225106
1165	KIAA1614	9	1	-1.144183907	0.018485136
1166	AL162431.2	1	1	-0.865737769	1.467917718
1167	STX6	9	1	0.369100508	-0.140480362
1168	MR1	13	1	-2.181147966	-0.494914554
1169	IER5	8	1	0.8562462	0.641829528
1170	GLUL	7	1	2.653866139	-0.607576631
1171	RNASEL	18	1	-3.19470993	0.997381963
1172	RGS16	13	1	-3.003776702	-0.070185743
1173	DHX9	7	1	3.660250273	-1.059351169
1174	LAMC1	3	1	0.802374449	4.252011336
1175	LAMC2	8	1	0.635067132	0.235813938
1176	NMNAT2	6	1	-0.544043335	-2.221404515
1177	SMG7	11	1	0.849561718	-1.017570459
1178	NCF2	19	2	-7.213969621	0.315573014
1179	ARPC5	3	1	2.471612063	4.444132603
1180	RGL1	15	1	-3.633897695	-2.11484357
1181	COLGALT2	8	1	0.507285681	1.016758539
1182	TSEN15	3	1	1.627892342	2.779667653
1183	C1orf21	14	1	-0.796275231	2.960521973
1184	EDEM3	14	1	-0.258129749	2.503603972
1185	FAM129A	3	1	1.407089677	2.59770254
1186	RNF2	1	1	-1.746471796	1.255088128
1187	TRMT1L	5	1	1.081690159	-1.553693138
1188	SWT1	9	1	-0.906506094	0.837726153
1189	IVNS1ABP	5	1	1.775437322	-2.976950608
1190	HMCN1	15	1	-3.758407745	-2.083616458
1191	TPR	16	1	2.987825718	3.167484559
1192	ODR4	18	1	-3.918672952	1.935669102
1193	PDC	18	1	-3.718000087	1.388734616
1194	PTGS2	17	1	-3.450177106	2.621594466
1195	PLA2G4A	18	1	-3.989098463	1.918762602
1196	RGS18	17	1	-4.759305868	3.059908427
1197	AL390957.1	15	1	-4.219372186	-1.597471558
1198	AL136987.1	15	1	-3.984769258	0.750580378
1199	RGS1	19	2	-7.459435853	0.274347096
1200	AL136454.1	12	1	-3.105147752	-1.929226361
1201	RGS2	15	1	-4.360268506	-0.193138443
1202	UCHL5	7	1	3.823909131	-1.582237326

1203	TROVE2	14	1	0.147109029	2.346513189
1204	GLRX2	2	1	4.506742564	-0.043202482
1205	CDC73	2	1	3.133697596	-0.348797582
1206	B3GALT2	8	1	0.496031251	1.215630747
1207	KCNT2	13	1	-2.775477323	-0.450528346
1208	CFH	14	1	-0.734446797	4.003991164
1209	CFHR1	15	1	-3.943983945	-0.366157197
1210	ASPM	10	1	4.457711306	-3.507210218
1211	ZBTB41	1	1	-1.422916326	1.646069325
1212	DENND1B	4	1	-0.941166195	-0.668265425
1213	C1orf53	12	1	-2.679551277	-2.605882846
1214	NEK7	3	1	0.840227154	2.429477252
1215	ATP6V1G3	2	1	4.727929678	0.869830169
1216	PTPRC	19	2	-7.466366205	0.250388197
1217	IR181A1H	15	1	-3.500335607	-2.044260226
1218	LINC00862	1	1	-1.560951385	2.576213874
1219	ZNF281	14	1	-0.16278908	2.700344361
1220	AL359834.1	1	1	-1.520143661	2.662198104
1221	KIF14	10	1	4.429589835	-3.415028058
1222	DDX59	4	1	0.209640157	-1.30563172
1223	AL445483.1	8	1	-0.019759569	1.457686581
1224	CAMSAP2	11	1	1.776609746	0.497230604
1225	INAVA	6	1	-1.914664778	-2.933409177
1226	TMEM9	14	1	-0.907904241	3.589405335
1227	IGFN1	8	1	1.239802924	1.347948827
1228	PKP1	6	1	-2.427932653	-3.472570621
1229	TNNT2	15	1	-3.51221219	-1.547875963
1230	PHLDA3	12	1	-2.537046108	-1.576397263
1231	CSRP1	3	1	2.045656052	4.597552575
1232	NAV1	12	1	-2.947090539	-1.445288502
1233	IPO9	7	1	2.730810252	-1.780563079
1234	SHISA4	13	1	-3.51750842	-0.03182187
1235	LMOD1	1	1	-0.532358798	2.288790382
1236	TIMM17A	16	1	3.898257819	2.797193564
1237	RNPEP	2	1	3.500516739	0.412698488
1238	ELF3-AS1	1	1	-1.783320341	2.526638306
1239	ELF3	1	1	-2.592150363	3.018831529
1240	GPR37L1	1	1	-1.686389479	2.537550963
1241	ARL8A	8	1	0.678662804	1.310393728
1242	UBE2T	10	1	3.663340893	-3.289369546
1243	PPP1R12B	1	1	-0.628188285	2.218877353
1244	KDM5B	14	1	-0.796385083	3.168412246
1245	PCAT6	1	1	-2.11668745	2.964315451

1246	RABIF	5	1	0.870889214	-3.389218293
1247	KLHL12	4	1	-0.099764514	-0.960742079
1248	ADIPOR1	14	1	-0.09602848	2.682049788
1249	CYB5R1	12	1	-2.776013765	-1.367113672
1250	TMEM183A	2	1	3.381483403	0.996273614
1251	PPFIA4	1	1	-2.247590694	2.83307866
1252	ADORA1	15	1	-4.098741922	0.681226291
1253	AC105940.2	3	1	2.661348668	4.984959401
1254	CHI3L1	18	1	-3.980340394	1.103523291
1255	BTG2	15	1	-3.779669914	-1.639272653
1256	FMOD	15	1	-4.70864192	-0.844261848
1257	PRELP	1	1	-1.640960488	1.754278935
1258	OPTC	13	1	-3.59312931	-0.282162331
1259	ATP2B4	12	1	-2.095085535	-1.656188928
1260	SNRPE	16	1	3.500854102	3.40856985
1261	SOX13	9	1	-0.253987017	-0.012979828
1262	ETNK2	4	1	-1.750145826	-0.823884569
1263	REN	8	1	0.836004105	0.701583512
1264	KISS1	8	1	0.750591186	0.812264152
1265	GOLT1A	8	1	0.717863169	0.72105924
1266	LINC00628	17	1	-4.937575254	3.353289403
1267	PPP1R15B	15	1	-3.838894996	-1.683018886
1268	PIK3C2B	13	1	-2.977697525	-0.685394488
1269	MDM4	8	1	0.90884867	1.47080604
1270	NFASC	8	1	0.484340724	0.422996085
1271	RBBP5	11	1	0.749021259	-1.192705237
1272	DSTYK	8	1	0.348880586	1.303540863
1273	TMCC2	9	1	-0.570380065	-0.115676992
1274	NUAK2	1	1	-1.199968609	2.282553591
1275	CDK18	1	1	-1.840562734	2.965751447
1276	ELK4	1	1	-0.531843278	1.452338256
1277	SLC45A3	5	1	-0.032708708	-2.421714507
1278	NUCKS1	16	1	3.180036393	3.491229571
1279	RAB29	9	1	-0.483591291	0.256842606
1280	SLC41A1	8	1	0.187799197	1.62863592
1281	RAB7B	6	1	-1.81272057	-3.403089248
1282	FAM72A	6	1	-0.293054941	-3.436769448
1283	SRGAP2	9	1	-0.102092642	0.52232892
1284	IKBKE	6	1	-0.965557131	-2.477044068
1285	AC244034.2	1	1	-1.105605158	1.276618816
1286	RASSF5	9	1	-0.329378161	1.108202673
1287	EIF2D	14	1	-0.847984228	3.137602605
1288	AL591846.2	6	1	-2.384163532	-3.701053344

1289	DYRK3	5	1	0.622064617	-1.514231287
1290	MAPKAPK5	8	1	1.442577687	0.745240696
1291	IL19	1	1	-0.966186556	2.087440885
1292	IL24	17	1	-4.510344419	2.996254958
1293	PFKFB2	19	2	-6.559093866	0.041092492
1294	YOD1	9	1	-0.252656105	0.122597761
1295	C4BPB	12	1	-2.598114643	-2.815283023
1296	CD55	14	1	-0.841871592	2.656379021
1297	CR1L	10	1	2.359485474	-3.734421455
1298	CD46	14	1	0.237774265	2.365923323
1299	IR29B2CH	1	1	-1.333659205	2.300254382
1300	AL356275.1	4	1	-1.812685761	-0.942782246
1301	PLXNA2	5	1	0.732188967	-2.77017542
1302	LINC01698	4	1	-0.097586337	-1.910870992
1303	CAMK1G	17	1	-3.019701395	2.695408143
1304	LAMB3	1	1	-2.593570861	2.67998866
1305	AL031316.1	1	1	-2.227660093	2.276925005
1306	G0S2	14	1	-1.292290363	3.81247691
1307	HSD11B1	17	1	-3.425750885	2.809411801
1308	UTP25	7	1	1.363232341	-1.036523424
1309	SYT14	8	1	0.861867335	0.452889472
1310	SERTAD4-AS1	6	1	-1.337461504	-3.382051431
1311	SERTAD4	5	1	-0.24675307	-2.651114427
1312	HHAT	4	1	-1.07373074	-0.999666773
1313	RCOR3	9	1	-0.21511415	-0.403533899
1314	TRAF5	8	1	-0.058132383	1.749264277
1315	LINC00467	18	1	-3.56097475	1.432544149
1316	SLC30A1	4	1	-1.562050375	-1.026753389
1317	NEK2	10	1	4.476682749	-3.269984685
1318	LPGAT1	11	1	1.794127312	0.763383604
1319	INTS7	5	1	1.543061581	-3.067810737
1320	DTL	10	1	2.485559073	-4.136510097
1321	PPP2R5A	9	1	-0.764978978	0.953324593
1322	AL360091.3	8	1	0.422950712	0.354000048
1323	TMEM206	5	1	1.076809612	-1.496652328
1324	NENF	3	1	3.175611582	4.983390607
1325	ATF3	6	1	-2.547675285	-3.49287387
1326	BATF3	8	1	-0.097272489	1.411439098
1327	NSL1	7	1	3.934623089	-1.09123262
1328	TATDN3	6	1	-0.451294395	-3.009731494
1329	FLVCR1-DT	6	1	-1.117108497	-2.938618861
1330	FLVCR1	1	1	-1.014585766	1.075526453
1331	VASH2	17	1	-3.410901222	2.62856058

1332	ANGEL2	4	1	0.100405064	-0.843297683
1333	RPS6KC1	9	1	-0.993846569	0.860795058
1334	PROX1	15	1	-3.826482925	-0.968734704
1335	SMYD2	7	1	2.920869198	-1.316654645
1336	PTPN14	8	1	0.830810812	2.054705657
1337	CENPF	10	1	4.40932664	-3.209197484
1338	KCNK2	8	1	0.86196318	0.632377602
1339	KCTD3	11	1	0.973994043	-0.806954108
1340	GPATCH2	6	1	-0.533044371	-3.270328485
1341	SPATA17	15	1	-4.444260988	-1.052730642
1342	RRP15	7	1	3.998557654	-1.092369639
1343	TGFB2	8	1	0.64599916	0.941591061
1344	C1orf143	4	1	-2.033061656	-1.017548524
1345	LYPLAL1	2	1	3.211706009	-0.526274346
1346	AC096642.1	1	1	-1.665995273	1.94755701
1347	AL513283.1	6	1	-1.447139177	-3.690668784
1348	EPRS	3	1	1.862202731	3.004296817
1349	BPNT1	6	1	0.163656172	-3.107603513
1350	IARS2	7	1	3.005714264	-0.868061863
1351	RAB3GAP2	8	1	0.804859665	1.697496809
1352	MARK1	6	1	-1.835738811	-2.548378192
1353	MARC2	6	1	-1.482937846	-2.374496661
1354	MARC1	6	1	-2.059615764	-3.157624208
1355	AL445423.1	12	1	-2.831269655	-1.052570664
1356	HLX	11	1	1.253368106	-0.850176774
1357	DUSP10	18	1	-3.996635828	1.86603824
1358	LINC01705	17	1	-3.241393718	2.658367909
1359	TAF1A	10	1	2.699543801	-2.829568349
1360	MIA3	11	1	1.803996888	1.114087142
1361	AL592148.3	4	1	-0.659905288	-0.984743558
1362	AIDA	8	1	0.866877165	1.945497311
1363	BROX	8	1	1.042606679	0.877451159
1364	AL392172.1	6	1	-0.779924902	-3.239473306
1365	DISP1	15	1	-4.513355646	-1.199821197
1366	CAPN2	16	1	2.800467577	2.885736026
1367	TP53BP2	11	1	2.041546193	0.342516269
1368	FBXO28	4	1	0.210032728	-1.176788293
1369	DEGS1	14	1	-0.224125418	3.258771695
1370	AC092809.4	1	1	-1.607766542	1.738445081
1371	NVL	5	1	1.542360273	-2.379936896
1372	CNIH4	3	1	2.243244496	3.220694102
1373	WDR26	8	1	0.045855038	1.88127581
1374	CNIH3	4	1	-1.259000811	-1.616582476

1375	DNAH14	5	1	0.37098017	-2.615229331
1376	LBR	10	1	3.952201691	-2.882766925
1377	ENAH	3	1	1.657015887	3.69053439
1378	SRP9	16	1	3.378270712	3.311416901
1379	EPHX1	15	1	-3.510528955	-0.961937987
1380	AL591895.1	1	1	-1.448989901	1.757705368
1381	TMEM63A	9	1	-0.946279439	-0.216700934
1382	LEFTY1	1	1	-2.419527206	2.374606289
1383	PYCR2	7	1	3.36919817	-1.159464084
1384	LEFTY2	15	1	-4.873989496	-1.076130592
1385	SDE2	11	1	1.048672643	-1.041831933
1386	H3F3A	3	1	3.073858347	4.616274632
1387	LINC01703	1	1	-1.75795475	1.881046332
1388	ACBD3	3	1	1.268926349	4.510545529
1389	MIXL1	6	1	-0.576341781	-3.112533771
1390	LIN9	10	1	3.195838538	-3.626638614
1391	PARP1	7	1	3.738008347	-1.854960166
1392	ITPKB	1	1	-2.41977993	1.705730714
1393	PSEN2	5	1	0.602548924	-2.816710673
1394	COQ8A	1	1	-2.081770334	2.634485043
1395	CDC42BPA	8	1	0.762114015	1.561128296
1396	ZNF678	5	1	2.200724211	-2.998736106
1397	SNAP47	2	1	3.984995451	-0.15651276
1398	JMJD4	2	1	3.995917168	0.744043775
1399	ARF1	3	1	2.009107438	4.286638535
1400	C1orf35	7	1	2.489154425	-2.733046495
1401	MRPL55	2	1	4.695672122	0.778216012
1402	GUK1	3	1	2.621291724	5.104072369
1403	GJC2	4	1	-1.243101034	-1.163179361
1404	IBA57	5	1	0.33436766	-2.222292625
1405	OBSCN	1	1	-2.282688055	1.670885362
1406	TRIM11	11	1	0.618658331	-0.585781299
1407	HIST3H2A	1	1	-2.428973112	1.779047407
1408	HIST3H2BE	10	1	2.433840361	-3.306610786
1409	RNF187	3	1	1.374325481	2.575071849
1410	RHOU	17	1	-3.046784791	2.385752
1411	AL137793.1	6	1	-1.936699542	-3.276261054
1412	RAB4A	2	1	3.248888817	1.200498022
1413	CCSAP	10	1	3.936371413	-3.249929629
1414	ACTA1	17	1	-4.75773612	2.845508136
1415	NUP133	5	1	0.946504083	-2.264607869
1416	ABCB10	4	1	0.447354194	-1.722216569
1417	TAF5L	4	1	0.324169156	-1.198466145

1418	URB2	5	1	1.808579174	-2.199655019
1419	GALNT2	3	1	0.597394076	4.098457135
1420	PGBD5	17	1	-4.835290346	3.255278624
1421	COG2	5	1	0.576920596	-2.053817235
1422	C1orf198	8	1	-0.266060832	1.833022751
1423	AL118511.1	12	1	-2.959134731	-2.122818433
1424	TTC13	4	1	-0.24270362	-0.943599902
1425	ARV1	6	1	-0.154986385	-3.064220391
1426	FAM89A	5	1	0.052840556	-2.68561431
1427	C1orf131	2	1	4.220361319	-0.68533548
1428	GNPAT	8	1	0.210034233	2.157633461
1429	EXOC8	9	1	-0.715580496	0.005737968
1430	SPRTN	5	1	0.647659269	-2.879370652
1431	EGLN1	14	1	-0.829833898	2.430506743
1432	AL445524.1	4	1	-0.528190944	-1.476626359
1433	TSNAX	2	1	3.53477439	-0.268958472
1434	DISC1	4	1	-1.82329658	-0.838160478
1435	SIPA1L2	15	1	-4.729810628	-1.280540906
1436	MAP10	6	1	-1.453580889	-3.161576234
1437	NTPCR	2	1	3.916295138	0.864332326
1438	PCNX2	4	1	-1.552866849	-0.592704438
1439	KCNK1	1	1	-2.111803445	3.104929723
1440	SLC35F3	4	1	-0.288517687	-0.661675655
1441	AL355472.1	15	1	-3.734383497	-2.120951854
1442	COA6	2	1	4.458907691	-0.355946563
1443	TARBP1	4	1	0.390843001	-0.763554298
1444	IRF2BP2	17	1	-2.637602243	2.763335503
1445	TOMM20	3	1	1.606510845	5.186290063
1446	RBM34	6	1	-0.778861913	-3.34604808
1447	ARID4B	11	1	1.841879216	0.750745959
1448	GGPS1	2	1	3.203976002	0.068049826
1449	TBCE	4	1	0.436144736	-1.386622988
1450	TBCE.1	4	1	-0.266380879	-0.781117879
1451	B3GALNT2	11	1	0.870335963	-1.065969549
1452	GNG4	8	1	0.637142804	0.286606028
1453	LYST	1	1	-1.482910666	1.6390144
1454	NID1	14	1	-0.489624474	2.887497462
1455	GPR137B	13	1	-2.376978549	0.768485553
1456	ERO1B	1	1	-1.26827291	1.963719286
1457	LGALS8	9	1	-0.034085903	-0.180739008
1458	HEATR1	7	1	2.577763167	-1.493364178
1459	MTR	11	1	1.386061636	-0.148013436
1460	CHRM3	8	1	0.756128874	0.701943286

1461	FMN2	8	1	0.961926785	0.675977208
1462	GREM2	8	1	0.832252172	0.712673344
1463	RGS7	8	1	0.828934279	0.284310803
1464	AL359764.1	8	1	0.888145175	0.653591968
1465	FH	7	1	3.688095656	-0.993872844
1466	OPN3	1	1	-1.834032211	0.711273916
1467	CHML	5	1	1.433957186	-2.924026214
1468	EXO1	10	1	2.598680583	-4.060494147
1469	PLD5	12	1	-2.359848175	-2.764845096
1470	CEP170	3	1	1.988141742	2.72447256
1471	SDCCAG8	11	1	1.98230609	-0.067007683
1472	AKT3	14	1	-0.368676367	2.925588883
1473	ZBTB18	9	1	-0.262263391	0.162876762
1474	AL645465.1	17	1	-4.844342145	3.256708897
1475	ADSS	7	1	3.070358601	-0.689178191
1476	CATSPERE	13	1	-2.783040914	0.081792511
1477	DES12	2	1	3.291071501	-0.63148769
1478	COX20	2	1	4.757253733	1.249072291
1479	HNRNPU	16	1	2.868743983	3.1381431
1480	EFCAB2	6	1	-0.967781457	-3.476383411
1481	KIF26B	15	1	-4.360963735	-0.844449245
1482	SMYD3	15	1	-4.5547227	-0.909067117
1483	TFB2M	5	1	1.168004718	-1.545300566
1484	CNST	8	1	0.486700204	0.609010078
1485	AL591848.3	17	1	-4.858040723	2.704739131
1486	SCCPDH	2	1	4.008118716	-0.676053249
1487	AHCTF1	7	1	2.643731919	-0.652757369
1488	ZNF695	10	1	3.011429396	-3.578955852
1489	ZNF670	8	1	0.885620442	0.535871632
1490	ZNF669	10	1	3.147707072	-3.117605411
1491	ZNF124	5	1	0.632864144	-2.458891832
1492	AL390728.6	9	1	0.277344388	-0.462028168
1493	AL390728.5	9	1	0.308938888	-0.427424155
1494	ZNF496	9	1	0.249198463	-0.48146113
1495	NLRP3	9	1	0.113111374	0.266228333
1496	SH3BP5L	4	1	-0.453115973	-0.885935508
1497	ZNF672	5	1	0.548269358	-1.947345935
1498	ZNF692	11	1	0.648979333	-0.7124395
1499	PGBD2	4	1	0.055776437	-1.816113673
1500	SH3YL1	1	1	-2.057277116	2.388559855
1501	ACP1	3	1	2.570606318	4.767488755
1502	ALKAL2	13	1	-1.989337358	-0.412709736
1503	TMEM18	2	1	4.245473471	-0.9271551

1504	AC116614.1	1	1	-1.753278765	2.884249009
1505	SNTG2	18	1	-3.631529006	1.184221901
1506	AC144450.1	17	1	-4.789628896	2.803327597
1507	PXDN	3	1	0.627249744	4.422059811
1508	EIPR1	5	1	1.020819989	-3.290153705
1509	TRAPPC12	2	1	3.762098876	-0.068206124
1510	ADI1	3	1	3.198837843	4.500766553
1511	AC108488.1	12	1	-3.19851962	-1.213464342
1512	RNASEH1	2	1	4.232537833	-0.618867479
1513	NASEH1-A	6	1	-0.993748459	-3.558187925
1514	RPS7	3	1	2.515931216	5.547470845
1515	COLEC11	15	1	-3.588266048	-2.095393382
1516	SOX11	7	1	2.886665431	-2.30495926
1517	RNF144A	17	1	-3.328513536	2.690944709
1518	AC010904.2	17	1	-2.864916238	2.956981696
1519	AC092580.2	18	1	-3.327003631	1.735406913
1520	ID2	18	1	-3.708878908	1.383910574
1521	KIDINS220	11	1	1.772064295	0.782218344
1522	MBOAT2	8	1	0.760069039	2.037373341
1523	ASAP2	11	1	1.476926532	-0.34173014
1524	ITGB1BP1	2	1	4.79908475	1.112967409
1525	CPSF3	7	1	3.184348193	-1.772738897
1526	IAH1	3	1	2.190724936	5.259250439
1527	ADAM17	8	1	0.511772332	0.443688705
1528	AC073195.1	20	1	-0.977367672	-4.467343532
1529	YWHAQ	16	1	3.284711209	3.193131484
1530	TAF1B	7	1	3.346279231	-1.700833284
1531	AC010969.2	5	1	0.51073688	-2.05920621
1532	AC104794.2	13	1	-2.554525051	-0.629153572
1533	KLF11	9	1	-0.1203841	0.703187175
1534	RRM2	10	1	3.954226103	-2.995291434
1535	AC007240.1	10	1	3.562400904	-3.753739558
1536	C2orf48	10	1	3.575718251	-3.716999732
1537	HPCAL1	4	1	-0.339388135	-1.988947354
1538	ODC1	2	1	4.72798976	0.908346332
1539	NOL10	7	1	3.701539364	-0.855877243
1540	RN7SL832F	20	1	-0.941248092	-4.384445392
1541	AC092687.3	17	1	-4.63464013	3.120509423
1542	PDIA6	3	1	1.771251407	4.691528119
1543	PQLC3	12	1	-1.967668209	-1.953270398
1544	ROCK2	11	1	2.479882565	0.054472454
1545	E2F6	5	1	0.772985545	-2.016752683
1546	LPIN1	11	1	0.475584474	-0.86925634

1547	TRIB2	1	1	-2.265751276	1.373226978
1548	FAM84A	8	1	0.972468999	0.681608684
1549	NBAS	14	1	-0.629255745	3.03799776
1550	DDX1	16	1	3.442844239	2.65038041
1551	FAM49A	12	1	-1.832636985	-1.995645486
1552	SMC6	7	1	2.996399727	-0.666427694
1553	GEN1	10	1	3.533459988	-3.649091445
1554	KCNS3	5	1	1.41131672	-2.020351134
1555	RDH14	2	1	3.147148457	-0.353059672
1556	OSR1	6	1	-1.309516344	-3.68913623
1557	TTC32	11	1	0.738891569	-0.719407164
1558	WDR35	5	1	1.633181062	-2.058602058
1559	MATN3	9	1	0.09784782	-0.083537989
1560	LAPTM4A	3	1	1.475236741	4.797165669
1561	SDC1	7	1	2.461724368	-2.037214004
1562	PUM2	9	1	-0.202083859	0.746556379
1563	RHOB	17	1	-3.505051288	2.349200047
1564	HS1BP3	4	1	-1.056352767	-1.510627471
1565	AC012065.3	17	1	-3.687549505	2.958446778
1566	LDAH	5	1	0.577513304	-2.238650047
1567	LINC01830	13	1	-2.753424797	0.409688657
1568	AC068490.1	1	1	-2.147687587	1.567925252
1569	KLHL29	4	1	-1.568764243	-0.891391598
1570	AC009242.1	17	1	-4.791650686	2.724576749
1571	ATAD2B	4	1	-0.450001839	-1.819763385
1572	UBXN2A	11	1	1.772387829	0.61509078
1573	MFSD2B	5	1	0.491424021	-2.865807258
1574	WDCP	5	1	1.445383635	-2.38021823
1575	FKBP1B	6	1	-1.680382404	-2.618705474
1576	SF3B6	3	1	3.032914725	4.520031728
1577	FAM228B	12	1	-3.2473847	-1.29134854
1578	TP53I3	2	1	4.044440833	1.14459715
1579	ITSN2	11	1	1.367862311	0.112963088
1580	NCOA1	12	1	-2.619144353	-2.011905395
1581	PTRHD1	13	1	-3.507550153	-0.664877616
1582	CENPO	10	1	3.27082881	-3.719472133
1583	ADCY3	5	1	1.708556262	-3.042702399
1584	AC012073.1	10	1	3.832571831	-3.672510348
1585	DNAJC27	9	1	-0.838682267	0.34538652
1586	NAJC27-AS	18	1	-3.117031249	1.359074391
1587	EFR3B	6	1	-0.760769102	-3.426238023
1588	POMC	15	1	-3.525579366	-1.809948169
1589	DNMT3A	4	1	-0.477621588	-1.365254842

1590	DTNB	6	1	-2.331238422	-3.10554906
1591	ASXL2	11	1	1.049807754	-0.878654681
1592	KIF3C	9	1	-1.307274374	-0.141179286
1593	RAB10	11	1	1.227126685	-0.752526485
1594	GAREM2	12	1	-2.261325511	-2.403410636
1595	HADHA	16	1	2.860972014	3.375821627
1596	HADHB	2	1	3.600406256	1.619430698
1597	SELENOI	9	1	0.289238062	-0.464482986
1598	DRC1	5	1	0.659376231	-2.841673099
1599	SLC35F6	4	1	-0.760260674	-1.75613495
1600	CENPA	10	1	4.509388533	-3.297583543
1601	MAPRE3	12	1	-2.30462018	-1.277108036
1602	TMEM214	14	1	-0.37701309	3.101316966
1603	AGBL5	6	1	-1.091502699	-2.107782088
1604	OST4	3	1	1.970357028	5.167632855
1605	EMILIN1	3	1	0.732741681	4.563115395
1606	KHK	10	1	2.133087006	-3.665594779
1607	CGREF1	18	1	-3.224311981	0.875444688
1608	PREB	7	1	3.318065491	-1.051346742
1609	SLC5A6	5	1	1.962623325	-2.916174613
1610	ATRAID	3	1	1.486789432	4.994355
1611	CAD	7	1	2.573559847	-2.165701114
1612	SLC30A3	6	1	-2.466121349	-3.575292789
1613	TRIM54	15	1	-4.582841787	-1.370660506
1614	UCN	1	1	-1.933236989	2.618390359
1615	MPV17	14	1	-1.240364942	3.691592254
1616	GTF3C2	5	1	0.383615044	-2.008943282
1617	AC074117.1	1	1	-1.56105915	1.725492276
1618	EIF2B4	7	1	3.114109364	-0.795922838
1619	SNX17	2	1	4.409890738	0.836141892
1620	ZNF513	4	1	-1.002272877	-1.423583947
1621	PPM1G	16	1	3.62903389	2.778011121
1622	NRBP1	2	1	3.532637444	-0.576072954
1623	IFT172	9	1	-0.50398812	-0.540126644
1624	FNDC4	12	1	-1.936601791	-2.097870313
1625	ZNF512	5	1	0.469988045	-2.076802455
1626	CCDC121	6	1	-1.59468821	-3.545172893
1627	GPN1	7	1	3.234674063	-0.904295765
1628	SUPT7L	6	1	-0.764999959	-2.079488717
1629	SLC4A1AP	2	1	3.596445647	-0.628823482
1630	MRPL33	3	1	1.80384585	4.22838024
1631	RBKS	12	1	-2.979956779	-1.428472005
1632	BABAM2	2	1	3.945781794	0.947468377

1633	AC104695.2	1	1	-2.587733421	2.201776184
1634	FOSL2	14	1	-0.592097256	3.060814418
1635	AC104695.3	17	1	-4.842036638	2.997707404
1636	AC092164.1	15	1	-3.541829261	-2.139287435
1637	PPP1CB	14	1	-0.219309899	2.816693343
1638	SPDYA	17	1	-4.621215257	3.162111796
1639	TRMT61B	5	1	1.151996699	-2.909530364
1640	WDR43	7	1	3.992170182	-1.116612517
1641	CLIP4	8	1	0.155070242	0.686312832
1642	YPEL5	14	1	-1.161953721	3.002946891
1643	LBH	4	1	-1.931795511	-0.669278704
1644	LCLAT1	5	1	1.031433907	-1.928374969
1645	GALNT14	6	1	-1.238250765	-3.489037954
1646	EHD3	13	1	-1.976864728	0.023703433
1647	XDH	4	1	-0.262740526	-1.228022181
1648	MEMO1	4	1	-0.484622392	-0.850640975
1649	DPY30	2	1	4.336905566	-0.632492267
1650	SPAST	4	1	0.011917704	-1.867001973
1651	AL121658.1	20	1	-1.070480022	-4.460139953
1652	SLC30A6	4	1	-0.545606765	-1.1175588
1653	YIPF4	14	1	0.181208533	2.553008355
1654	BIRC6	11	1	1.870921221	0.564674787
1655	TTC27	7	1	1.903269258	-2.158689462
1656	LTBP1	17	1	-3.103320035	2.498385705
1657	RASGRP3	8	1	0.338156727	1.320936836
1658	FAM98A	2	1	4.094397631	-0.310674332
1659	AC009414.2	12	1	-2.763515148	-1.506888233
1660	CRIM1	3	1	1.589101639	3.654385127
1661	FEZ2	2	1	4.336005297	-0.298293613
1662	STRN	5	1	0.879763868	-1.555494152
1663	HEATR5B	9	1	-0.742848608	0.367800252
1664	GPATCH11	7	1	3.112204876	-2.605855189
1665	EIF2AK2	11	1	1.593928781	0.91698239
1666	CEBPZOS	2	1	3.137007561	-0.336387061
1667	CEBPZ	10	1	2.623043623	-3.953968726
1668	NDUFAF7	9	1	-1.326201591	-0.066520982
1669	PRKD3	8	1	-0.058312576	1.890384711
1670	QPCT	14	1	-0.515363786	4.154086865
1671	CDC42EP3	3	1	1.952118841	3.65806321
1672	RMDN2	12	1	-3.179595623	-2.726143323
1673	CYP1B1	15	1	-4.645996007	-1.321382605
1674	CYP1B1-AS	15	1	-4.337535772	-1.815713607
1675	ATL2	10	1	3.635356513	-3.108214818

1676	HNRNPLL	5	1	1.23706409	-2.353669368
1677	GALM	5	1	-0.059108231	-2.394267284
1678	SRSF7	16	1	3.609885064	2.991520203
1679	GEMIN6	7	1	2.87520012	-2.518375837
1680	DHX57	5	1	0.526744959	-2.291286193
1681	MORN2	2	1	4.281111804	0.934796251
1682	ARHGEF33	12	1	-3.418646011	-1.364085995
1683	AC019171.1	15	1	-3.668326053	-2.124514066
1684	SOS1	8	1	0.389421579	0.848549433
1685	MAP4K3	8	1	0.429793176	0.997617341
1686	AC007388.1	14	1	-0.45823631	2.66325096
1687	TMEM178A	1	1	-1.457964811	1.845077313
1688	THUMPD2	7	1	1.712750164	-1.426736914
1689	SLC8A1-AS1	8	1	0.287792918	1.008207716
1690	SLC8A1	7	1	2.027950016	-0.777808391
1691	LINC01914	15	1	-3.640108976	-0.950839482
1692	PKDCC	18	1	-3.120091114	1.341320373
1693	EML4	7	1	2.883135167	-0.491314016
1694	COX7A2L	3	1	1.807961908	5.388196267
1695	MTA3	11	1	1.576808897	0.569461278
1696	HAAO	6	1	-2.517173442	-3.484086476
1697	LINC02580	6	1	-1.980273637	-3.208294831
1698	ZFP36L2	7	1	2.981077042	-0.550660335
1699	THADA	5	1	0.243988973	-2.344137155
1700	PLEKHH2	15	1	-4.16630927	-0.048390053
1701	DYNC2L1	13	1	-2.968917522	-0.506881319
1702	LRPPRC	11	1	2.577365008	-0.418889724
1703	PPM1B	4	1	0.26875436	-0.700835787
1704	PREPL	14	1	-0.200539056	2.678146876
1705	CAMKMT	6	1	-1.174349818	-3.180571042
1706	SRBD1	5	1	1.624919262	-2.653531514
1707	PRKCE	4	1	0.158153292	-0.915247523
1708	EPAS1	18	1	-2.894079122	1.863813437
1709	ATP6V1E2	6	1	-0.721164259	-3.5102553
1710	RHOQ	13	1	-3.333387289	-0.628154837
1711	PIGF	2	1	3.565647688	-0.087742292
1712	CRIP1	2	1	3.461834517	1.469184197
1713	SOCS5	17	1	-3.14113656	2.581208266
1714	LINC01118	17	1	-4.246898565	3.035054005
1715	LINC01119	17	1	-2.923384103	2.854024209
1716	MCFD2	16	1	3.34623107	4.144838132
1717	TTC7A	1	1	-1.4244701	1.106747664
1718	AC073283.1	13	1	-2.829722318	0.360727789

1719	CALM2	3	1	2.537437048	4.790719308
1720	EPCAM	11	1	1.166369405	-0.796402894
1721	MSH2	10	1	2.476033536	-3.770925723
1722	MSH6	10	1	2.45345315	-4.088744842
1723	FBXO11	11	1	1.835439888	0.50768169
1724	AC079807.1	1	1	-2.539476547	1.873837508
1725	FOXN2	5	1	1.10908815	-1.442572199
1726	AC093635.1	6	1	-2.257223043	-3.787145339
1727	PPP1R21	15	1	-3.519075307	-1.595867001
1728	STON1	15	1	-4.282555494	0.429556124
1729	LHCGR	17	1	-2.692984971	2.654484309
1730	NRXN1	8	1	0.653048661	0.688112713
1731	ASB3	4	1	-0.169741857	-0.741003953
1732	CHAC2	10	1	2.329073754	-3.249302112
1733	ERLEC1	3	1	1.146083322	4.942842759
1734	PSME4	7	1	1.825709072	-0.366073512
1735	ACYP2	1	1	-2.688229236	0.994989611
1736	SPTBN1	16	1	2.874900189	2.9669917
1737	EML6	18	1	-3.889422807	1.835845031
1738	RTN4	3	1	1.911524621	3.44656948
1739	CLHC1	9	1	-1.41612688	-0.17071905
1740	AC012358.1	9	1	-0.915687952	0.558573536
1741	RPS27A	3	1	2.355528441	5.620093144
1742	MTIF2	7	1	3.627502051	-0.793168031
1743	CCDC88A	10	1	4.064834204	-2.893696271
1744	CFAP36	2	1	3.575736132	1.396214522
1745	PPP4R3B	11	1	1.919533101	0.456393555
1746	PNPT1	7	1	3.140754071	-1.564773403
1747	EFEMP1	3	1	0.913112906	4.734278954
1748	AC007743.1	6	1	-1.023185286	-3.650333606
1749	CCDC85A	6	1	-0.386143479	-2.683273755
1750	VRK2	7	1	2.561413613	-1.233177863
1751	FANCL	5	1	1.184256282	-3.465541326
1752	AC007250.1	5	1	2.368360844	-3.027384483
1753	BCL11A	8	1	-0.233347419	1.280859448
1754	PAPOLG	1	1	-0.891370747	1.341019846
1755	REL	1	1	-2.476961526	2.920375623
1756	PUS10	9	1	-1.529374513	-0.104916118
1757	PEX13	9	1	-0.851729128	0.615661554
1758	KIAA1841	10	1	2.411659804	-3.069638692
1759	C2orf74	12	1	-2.834124956	-1.706399642
1760	USP34	11	1	1.957519141	0.65881706
1761	AC016727.1	12	1	-3.394513759	-2.231739484

1762	XPO1	7	1	3.097960797	-1.116051994
1763	FAM161A	10	1	2.115263072	-3.838867866
1764	CCT4	16	1	3.012907353	3.53957466
1765	COMMD1	2	1	4.423895445	0.928247966
1766	B3GNT2	4	1	-0.675103399	-1.118689381
1767	TMEM17	12	1	-2.182621631	-1.8179309
1768	EHBP1	11	1	1.397052374	0.137670047
1769	WDPCP	4	1	-1.004711065	-1.684197627
1770	MDH1	16	1	3.995182601	3.233610429
1771	UGP2	3	1	0.925129023	4.704420365
1772	VPS54	4	1	-0.552549753	-0.8251464
1773	PELI1	9	1	0.233589527	-0.002202474
1774	LINC00309	15	1	-4.625427637	-1.407380782
1775	LGALS1	6	1	-1.354810628	-2.027094327
1776	AFTPH	8	1	-0.015652052	0.79866559
1777	SERTAD2	8	1	0.678311375	1.983289398
1778	SLC1A4	3	1	1.346263495	2.46952156
1779	CEP68	4	1	0.147365642	-1.978049956
1780	RAB1A	3	1	1.303925124	4.580242432
1781	ACTR2	3	1	1.79551157	3.779167928
1782	SPRED2	9	1	-0.933702919	0.116655625
1783	AC007389.5	13	1	-3.66480175	-0.682681881
1784	MEIS1	17	1	-3.122040185	2.703760184
1785	MEIS1-AS2	17	1	-2.786291036	2.789037026
1786	LINC01828	17	1	-4.601339731	3.119960584
1787	ETAA1	9	1	-0.836770687	0.711993135
1788	C1D	2	1	3.680979577	-0.28768941
1789	WDR92	5	1	1.046768156	-2.368184768
1790	PNO1	7	1	3.563818779	-1.118414842
1791	PPP3R1	8	1	0.59501138	0.530547224
1792	AC017083.1	6	1	-2.084768209	-3.917412959
1793	CNRIP1	2	1	3.826471177	-0.567204856
1794	PLEK	19	2	-7.351473722	0.198038555
1795	FBXO48	10	1	3.845974532	-3.333203994
1796	APLF	5	1	0.365522471	-2.21402093
1797	ANTXR1	17	1	-3.282430562	2.486142196
1798	GFPT1	14	1	-0.448455784	3.263950623
1799	NFU1	2	1	3.77557787	0.019324429
1800	AAK1	3	1	1.260369864	4.373188533
1801	ANXA4	2	1	3.370961037	0.534384601
1802	GMCL1	8	1	0.582494643	1.277520098
1803	SNRNP27	14	1	0.519622889	3.236046828
1804	MXD1	1	1	-0.877087924	1.46966473

1805	PCBP1	16	1	2.768122759	3.692441501
1806	C2orf42	5	1	-0.385447833	-2.406110488
1807	TIA1	11	1	1.307906118	-0.404041372
1808	PCYOX1	14	1	-1.007656488	2.899920977
1809	SNRPG	16	1	3.468576041	3.487464227
1810	FAM136A	2	1	4.491572943	-0.663607203
1811	ADD2	5	1	1.456807104	-3.526625119
1812	VAX2	12	1	-1.940333995	-2.724076949
1813	TEX261	6	1	-0.564903531	-2.574338161
1814	NAGK	2	1	4.36123189	0.566151701
1815	MCEE	1	1	-2.119469318	2.350171007
1816	MPHOSPH1	2	1	3.728861895	-0.730496846
1817	PAIP2B	13	1	-2.43292037	-0.40897616
1818	ZNF638	11	1	2.011576024	0.689050384
1819	AC007878.1	1	1	-1.033853683	1.629657306
1820	DYSF	12	1	-2.470104846	-1.690955602
1821	EXOC6B	4	1	-0.335556659	-1.968273841
1822	SPR	6	1	-1.297267231	-2.069664441
1823	SFXN5	5	1	0.600549367	-2.625543557
1824	RAB11FIP5	4	1	-0.666391167	-1.213914834
1825	SMYD5	5	1	1.554944721	-2.030076944
1826	PRADC1	5	1	0.829872396	-3.492508374
1827	CCT7	16	1	3.65725812	3.45050434
1828	FBXO41	9	1	-1.879714879	-0.023282699
1829	ALMS1	5	1	1.812360135	-2.40905305
1830	TPRKB	10	1	4.043956366	-2.038531028
1831	DUSP11	11	1	1.679972497	0.715376861
1832	STAMPB	2	1	3.914979544	0.665106423
1833	ACTG2	3	1	2.070620862	4.638078011
1834	DGUOK	3	1	3.192101326	4.559047974
1835	TET3	4	1	-1.669883761	-0.761768423
1836	BOLA3	2	1	4.761269656	0.590167232
1837	BOLA3-AS1	6	1	-1.31019536	-1.771774255
1838	MOB1A	11	1	2.893844214	-0.362308346
1839	MTHFD2	3	1	1.535274115	2.844578303
1840	DCTN1	7	1	2.11715683	-0.491958939
1841	C2orf81	13	1	-3.043312463	0.152466588
1842	WDR54	14	1	1.12433311	3.097813882
1843	RTKN	6	1	-1.103838357	-2.014354192
1844	INO80B	1	1	-2.29972187	1.965722836
1845	MOGS	14	1	-0.661345753	3.033273496
1846	MRPL53	6	1	-1.270046148	-3.386854612
1847	CCDC142	9	1	-0.958296153	-0.453488313

1848	TTC31	5	1	1.165452924	-2.2760913
1849	LBX2	15	1	-3.965115461	-0.124084674
1850	PCGF1	1	1	-2.036667499	1.580242313
1851	AUP1	2	1	4.555077639	-0.181931935
1852	HTRA2	7	1	2.600389567	-1.731006108
1853	LOXL3	17	1	-2.958400402	2.351620234
1854	DOK1	4	1	-2.00992361	-1.057346545
1855	M1AP	18	1	-3.81529704	1.074299373
1856	SEMA4F	4	1	-0.607163283	-1.00458356
1857	AC019069.1	5	1	0.678829458	-3.293626271
1858	HK2	1	1	-1.851549777	2.529301919
1859	AC104135.1	8	1	0.196231317	0.878753699
1860	POLE4	2	1	4.383670416	0.755213268
1861	EVA1A	2	1	3.30266675	-0.435291432
1862	MRPL19	7	1	4.171328154	-1.048603021
1863	GCFC2	5	1	1.609806266	-3.303933107
1864	AC005034.3	9	1	-1.029305133	-0.300997518
1865	LRRTM1	15	1	-4.598134431	-1.260831677
1866	SUCLG1	2	1	4.592489806	0.168365113
1867	TRABD2A	5	1	1.32876834	-1.386268698
1868	TMSB10	3	1	2.332281914	4.974361695
1869	KCMF1	14	1	0.034883928	2.635504998
1870	TCF7L1	11	1	2.239855376	0.440192029
1871	TGOLN2	3	1	2.214431134	3.049271621
1872	RETSAT	9	1	-1.48550764	0.114283509
1873	ELMOD3	4	1	-0.528126809	-1.225741111
1874	CAPG	2	1	4.564928141	0.614806823
1875	MAT2A	11	1	2.873654929	-0.230601095
1876	GGCX	1	1	-1.716115984	1.786254205
1877	VAMP8	19	2	-6.970167074	0.204312138
1878	VAMP5	3	1	2.186193791	5.23390273
1879	RNF181	16	1	3.485876885	4.423890866
1880	TMEM150A	12	1	-2.985923919	-1.32720574
1881	USP39	7	1	3.194262114	-1.6721799
1882	C2orf68	4	1	-0.407778117	-1.404577457
1883	ATOH8	6	1	-2.252422962	-3.651554309
1884	ST3GAL5	6	1	-1.767480049	-3.33243867
1885	POLR1A	5	1	0.357205328	-2.654261552
1886	PTCD3	7	1	2.57876381	-0.768944226
1887	IMMT	7	1	3.853254881	-1.278537475
1888	MRPL35	7	1	4.097650137	-0.919753157
1889	KDM3A	1	1	-1.065463695	1.052848555
1890	CHMP3	18	1	-3.054815683	1.759761251

1891	RNF103	9	1	-1.420245203	-0.213225506
1892	RMND5A	9	1	0.199842629	-0.030429892
1893	PLGLB1	9	1	-1.9486132	-0.073225849
1894	LINC01943	1	1	-2.498170528	2.400531329
1895	CYTOR	3	1	1.620232549	4.355458297
1896	KRCC1	8	1	0.772938099	1.955404319
1897	THNSL2	13	1	-3.743948373	-0.533491872
1898	EIF2AK3	9	1	-0.972210083	0.721113659
1899	RPIA	7	1	2.223254052	-1.892157279
1900	MRPS5	3	1	1.260821667	3.085850276
1901	ZNF514	13	1	-2.068696413	0.441685654
1902	ZNF2	1	1	-1.897246274	0.929342963
1903	KCNIP3	6	1	-1.669034633	-3.250478469
1904	FAHD2A	2	1	3.319845763	-0.418462359
1905	LINC00342	6	1	-0.664725456	-2.204987489
1906	ANKRD36C	5	1	0.95004293	-1.673537456
1907	GPAT2	5	1	1.197963801	-3.281691276
1908	DUSP2	6	1	-1.651249799	-3.205772124
1909	STARD7	7	1	1.925570574	-0.66012045
1910	TMEM127	4	1	-1.02310029	-1.464743935
1911	CIAO1	2	1	4.106072989	-0.63764032
1912	SNRNP200	11	1	2.673473206	-0.185664974
1913	ITPRIPL1	10	1	2.445715991	-4.016433917
1914	NCAPH	10	1	3.985221472	-3.662787639
1915	NEURL3	1	1	-2.504832658	3.019272841
1916	ARID5A	8	1	0.269688558	0.663807459
1917	KANSL3	9	1	-0.561519298	-0.058965288
1918	LMAN2L	5	1	-0.152369055	-2.373922073
1919	CNNM4	9	1	-0.596330735	-0.018801265
1920	CNNM3	9	1	-0.568214926	0.559681646
1921	ANKRD39	7	1	2.167920914	-2.604026996
1922	SEMA4C	9	1	-0.723230574	0.285835825
1923	FAHD2B	9	1	-1.561619672	0.191063128
1924	ANKRD36	5	1	1.533518758	-2.140251838
1925	AC092683.1	4	1	-0.085218075	-2.134765111
1926	ANKRD36E	9	1	0.164694425	-0.410291098
1927	COX5B	3	1	2.56595644	5.121192731
1928	ACTR1B	11	1	2.098799077	0.339648396
1929	TMEM131	12	1	-2.631605539	-1.824676715
1930	VWA3B	10	1	4.31819829	-3.091178619
1931	INPP4A	9	1	-0.62230638	-0.076651
1932	COA5	2	1	3.55590972	1.253563143
1933	UNC50	2	1	2.896823969	0.439414315

1934	TSGA10	18	1	-3.121384057	0.989027895
1935	LIPT1	9	1	0.318965015	-0.228840672
1936	AC092587.1	7	1	2.122022238	-0.776347719
1937	MITD1	14	1	0.830478635	2.860574044
1938	MRPL30	14	1	0.331404146	2.676816977
1939	TXNDC9	2	1	4.42446908	-0.016006313
1940	EIF5B	16	1	2.99428114	3.624218501
1941	REV1	7	1	2.004809585	-1.371303521
1942	AFF3	15	1	-3.614274892	-1.261126481
1943	LONRF2	15	1	-4.412293348	-1.244118177
1944	CHST10	5	1	1.026189533	-2.679729186
1945	PDCL3	2	1	4.304993239	-0.394970797
1946	NPAS2	8	1	0.355198678	1.626815356
1947	AC016738.1	1	1	-0.759624633	1.620328106
1948	RPL31	3	1	1.71011695	5.266421117
1949	TBC1D8	7	1	2.077162591	-1.846003734
1950	CNOT11	5	1	1.121818152	-1.376038514
1951	RNF149	8	1	0.119085905	1.620686568
1952	RFX8	7	1	2.072133627	-1.586579047
1953	MAP4K4	3	1	2.471347657	2.912368335
1954	LINC01127	17	1	-4.891015443	3.23716215
1955	IL1R2	15	1	-4.933305654	-0.83533784
1956	IL1R1	15	1	-4.19737092	0.423122465
1957	IL18R1	15	1	-4.554100427	-0.113874369
1958	MFSD9	6	1	-1.269496593	-1.857293569
1959	TMEM182	13	1	-2.992774877	0.093340523
1960	MRPS9	2	1	4.188344088	-0.599843465
1961	LINC01918	12	1	-2.664199028	-2.868552171
1962	TGFBRAP1	4	1	0.217522812	-2.02358266
1963	AC012360.3	20	1	-0.811506304	-4.323568069
1964	C2orf49	14	1	-0.920594069	3.498653687
1965	FHL2	3	1	2.64587411	4.489275731
1966	NCK2	9	1	0.082678166	-0.651301109
1967	UXS1	14	1	-0.254730019	3.179827489
1968	ST6GAL2	15	1	-4.499558362	-1.224872671
1969	GCC2	14	1	-1.316568169	3.144697703
1970	GCC2-AS1	1	1	-1.189041051	2.318624653
1971	LIMS1	3	1	0.90474948	4.71688012
1972	RANBP2	11	1	2.258069602	-0.002820365
1973	CCDC138	10	1	2.251666155	-3.750877582
1974	SH3RF3-AS	6	1	-2.377132091	-2.93211671
1975	SH3RF3	4	1	-0.701220962	-1.083117329
1976	SEPT10	7	1	3.216268626	-0.750684463

1977	SOWAHC	5	1	0.713151422	-2.222711049
1978	RGPD5	9	1	-0.714953277	0.448997423
1979	AC013271.1	17	1	-2.804809246	2.61891178
1980	MALL	6	1	-1.536267075	-3.451837264
1981	NPHP1	6	1	-0.226407144	-3.00050398
1982	SMIM37	2	1	4.031198826	1.278781391
1983	AC112229.3	1	1	-2.533608827	1.942248024
1984	BUB1	10	1	4.563192931	-3.217843972
1985	IR4435-2H	3	1	1.636108604	4.170811213
1986	BCL2L11	17	1	-3.420888338	2.600571193
1987	AC108463.3	9	1	-0.757887277	0.633463897
1988	AC068491.3	4	1	0.073582356	-1.594973646
1989	AC017002.3	1	1	-2.586510095	2.794352807
1990	ANAPC1	11	1	1.062159029	-1.148855292
1991	TMEM87B	14	1	-0.14045437	2.254549779
1992	FBLN7	8	1	0.428088573	1.764217533
1993	ZC3H8	11	1	0.816889372	-1.315631233
1994	ZC3H6	1	1	-1.919015202	2.238845862
1995	TTL	7	1	1.879895177	-1.30687853
1996	POLR1B	7	1	1.937393513	-1.976930581
1997	CHCHD5	2	1	3.955317107	1.380404152
1998	AC079922.2	9	1	-0.008715793	-0.439360522
1999	SLC20A1	11	1	1.612825122	0.177125178
2000	CKAP2L	10	1	3.960448351	-3.649434291
2001	IL1A	14	1	0.270603564	3.889483012
2002	IL1B	3	1	0.819056538	4.244011201
2003	PSD4	6	1	-1.274614367	-1.770262443
2004	PAX8	8	1	0.281052408	0.974092878
2005	CBWD2	6	1	-1.136752042	-3.224362575
2006	RABL2A	13	1	-2.382062587	0.021916874
2007	SLC35F5	1	1	-1.421335372	0.738833226
2008	AC104653.2	17	1	-4.779200468	3.279346265
2009	AC110769.2	9	1	-0.438785854	0.832716174
2010	ACTR3	3	1	2.168560591	3.523144521
2011	LINC01191	17	1	-4.812243852	2.851869382
2012	DPP10	15	1	-4.166702184	-1.710615359
2013	DPP10-AS1	15	1	-4.281506452	-1.390077315
2014	DDX18	16	1	2.796997633	3.686016597
2015	AC009404.1	1	1	-2.190513763	2.558796443
2016	CCDC93	8	1	0.079109137	1.65033666
2017	INSIG2	1	1	-1.868699822	3.028907098
2018	AC093901.1	12	1	-3.357003602	-2.412170135
2019	LINC01956	12	1	-2.540140542	-1.601668559

2020	STEAP3	7	1	1.816144553	-2.141047202
2021	STEAP3-AS	20	1	-1.161854896	-3.952429496
2022	C2orf76	6	1	-1.172149095	-3.053430997
2023	DBI	16	1	3.384415713	4.565386571
2024	TMEM37	6	1	-2.081093702	-3.190765105
2025	TMEM177	5	1	1.481546846	-3.014624559
2026	PTPN4	4	1	-0.789694819	-0.521514021
2027	EPB41L5	4	1	-0.696609828	-0.729042731
2028	TMEM185B	5	1	0.092952822	-2.696658574
2029	RALB	7	1	2.857071009	-0.678184472
2030	INHBB	8	1	-0.046608116	1.42419938
2031	GLI2	6	1	-0.742956254	-2.740034066
2032	AC017033.1	15	1	-3.629815492	-1.835543119
2033	CLASP1	9	1	-1.168804678	-0.290840231
2034	AC012447.1	15	1	-4.837253961	-1.220934831
2035	NIFK-AS1	20	1	-1.070776138	-4.276027404
2036	NIFK	2	1	4.519061175	-0.463165783
2037	TSN	7	1	3.804393378	-0.911505066
2038	GYPC	3	1	2.45124158	4.977604665
2039	BIN1	14	1	-1.213590655	3.515222825
2040	ERCC3	5	1	0.936143544	-2.014282905
2041	MAP3K2	8	1	1.276979056	1.09542302
2042	AC068282.1	18	1	-3.489029083	1.655794419
2043	IWS1	7	1	3.311901417	-0.710486137
2044	AC010976.2	15	1	-3.474340591	-1.506732069
2045	LIMS2	13	1	-2.889120731	-0.792459332
2046	WDR33	2	1	3.540212479	-0.559497856
2047	SFT2D3	6	1	-1.20581499	-2.716488801
2048	POLR2D	10	1	2.84909257	-2.892079793
2049	AMMECR1	9	1	-0.668332371	0.10055495
2050	AC012306.2	12	1	-3.362104091	-2.448584758
2051	SAP130	10	1	3.166550246	-2.932210885
2052	UGGT1	8	1	0.315580037	2.141429223
2053	HS6ST1	6	1	-2.0148491	-2.290793382
2054	CCDC74B	6	1	-1.438649806	-3.44935032
2055	SMPD4	7	1	2.979443875	-2.793519221
2056	MZT2B	3	1	2.835273829	5.017502583
2057	CCDC115	6	1	-0.840219292	-2.690877877
2058	IMP4	2	1	4.485795107	-0.423972868
2059	PTPN18	9	1	0.028518175	-0.518730603
2060	ARHGEF4	13	1	-2.711450967	-0.793056451
2061	FAM168B	11	1	1.201229301	-0.564922892
2062	PLEKHB2	7	1	2.158109513	-0.358551942

2063	MZT2A	3	1	3.225242224	4.441839017
2064	CCDC74A	6	1	-1.429891023	-3.356741868
2065	C2orf27B	13	1	-1.997231636	0.61984124
2066	GPR39	5	1	0.87572017	-1.964849197
2067	LYPD1	6	1	-1.781329545	-3.683875762
2068	NCKAP5	6	1	-1.990702781	-3.248744928
2069	MGAT5	11	1	0.583013084	-0.088394396
2070	CCNT2-AS1	15	1	-3.474109563	-1.708416902
2071	CCNT2	9	1	-0.456296358	0.832551457
2072	RAB3GAP1	8	1	1.114011612	1.57064072
2073	ZRANB3	10	1	2.45719513	-3.123236142
2074	R3HDM1	7	1	2.575463381	-1.816066228
2075	UBXN4	3	1	2.604751673	4.289635218
2076	MCM6	10	1	2.464984503	-4.170907699
2077	DARS	14	1	0.31256285	3.568214454
2078	DARS-AS1	1	1	-2.385764513	2.005711235
2079	HNMT	15	1	-3.758434448	0.346111193
2080	SPOPL	4	1	-2.052731428	-0.914101921
2081	AC092620.3	1	1	-2.158232603	2.815423526
2082	LRP1B	15	1	-4.377426061	0.10128311
2083	GTDC1	4	1	-0.837311003	-1.21217414
2084	ZEB2	8	1	1.24287149	1.312310494
2085	ACVR2A	15	1	-4.342074308	-0.49058839
2086	ORC4	7	1	2.194418278	-1.161574446
2087	MBD5	1	1	-1.401266489	1.306965984
2088	EPC2	6	1	-0.47017363	-2.724909984
2089	KIF5C	5	1	2.308796254	-3.045377694
2090	LYPD6B	6	1	-1.652396593	-3.168807231
2091	LYPD6	6	1	-1.275991234	-3.21019622
2092	MMADHC	16	1	3.112521496	3.908668555
2093	RND3	14	1	0.561566976	3.496092595
2094	RBM43	1	1	-2.235673818	2.553707637
2095	NMI	3	1	1.161016193	2.522187508
2096	TNFAIP6	14	1	-1.029749426	4.034199036
2097	RIF1	7	1	2.861841288	-0.830514036
2098	ARL5A	9	1	-0.558834407	0.186024643
2099	CACNB4	12	1	-3.245728645	-1.601628386
2100	STAM2	11	1	1.607125369	0.83116544
2101	FMNL2	11	1	0.685027805	-0.532287978
2102	PRPF40A	16	1	3.482776967	2.876570739
2103	ARL6IP6	10	1	2.684146014	-3.605645143
2104	GALNT13	18	1	-3.517069969	1.544741548
2105	NR4A2	6	1	-2.408591661	-3.397114001

2106	GPD2	5	1	1.686197129	-3.196832381
2107	GALNT5	18	1	-3.159509811	1.06286148
2108	ERMN	12	1	-2.959881219	-2.165048324
2109	ACVR1	9	1	-0.890625331	0.528458036
2110	CCDC148	10	1	3.66003975	-3.453034602
2111	PKP4	8	1	1.08950111	1.240807272
2112	DAPL1	12	1	-2.618238124	-1.593041741
2113	TANC1	9	1	-1.356479558	0.374873436
2114	WDSUB1	11	1	0.515369263	-0.124970757
2115	BAZ2B	1	1	-0.246206614	2.115523137
2116	AC009961.1	6	1	-1.657880339	-3.614686929
2117	7-Mar	11	1	1.655025449	1.031808533
2118	CD302	18	1	-3.085406694	2.144379772
2119	PLA2R1	13	1	-3.558534297	-0.294004761
2120	RBMS1	14	1	-0.041595425	2.07143072
2121	TANK	14	1	-0.217667314	2.910947598
2122	PSMD14	16	1	3.370433894	3.090714969
2123	DPP4	1	1	-1.799111518	1.409039892
2124	GCG	17	1	-4.825995359	3.2245057
2125	FAP	14	1	-0.320371422	4.128758944
2126	IFIH1	1	1	-1.496515545	2.326898493
2127	GCA	5	1	-0.304055843	-2.505074226
2128	FIGN	5	1	0.679653552	-2.302150689
2129	GRB14	6	1	-0.674312028	-3.211413585
2130	COBL1	4	1	-0.840175602	-1.801411592
2131	AC019197.1	4	1	-1.407078657	-0.874029242
2132	SCN3A	8	1	0.722394255	0.880878605
2133	SCN2A	15	1	-3.774058017	-1.868631564
2134	CSRNP3	12	1	-3.20731822	-1.106037818
2135	GALNT3	8	1	0.480396894	1.092358447
2136	TTC21B	11	1	0.668799308	-0.292106889
2137	SCN9A	8	1	1.475406971	1.176633872
2138	STK39	11	1	1.576239791	0.406864065
2139	CERS6	1	1	-2.048421297	1.101847268
2140	SPC25	10	1	4.111575213	-3.589914285
2141	DHRS9	12	1	-3.329320583	-2.607943736
2142	BBS5	9	1	-0.039287444	-0.388558172
2143	FASTKD1	4	1	0.113830884	-1.134815298
2144	PPIG	16	1	2.758979168	3.43849615
2145	CCDC173	6	1	-2.537969741	-3.135393821
2146	PHOSPHO2	6	1	-0.951236579	-2.986183129
2147	KLHL23	10	1	2.473777142	-4.032592021
2148	SSB	16	1	3.674629536	3.315561093

2149	METTL5	16	1	3.898421612	2.930890597
2150	UBR3	4	1	-0.285341832	-1.233463727
2151	MYO3B	15	1	-4.051320466	-0.839514338
2152	AC007405.3	13	1	-3.778925094	-0.809037052
2153	ERICH2	15	1	-4.154802236	-1.050831877
2154	GORASP2	14	1	-0.279912922	3.281171836
2155	TLK1	7	1	2.466626254	-0.627888762
2156	METTL8	5	1	0.517434028	-2.090769254
2157	DCAF17	4	1	-0.115713599	-1.750894748
2158	CYBRD1	13	1	-2.603901777	-0.726157151
2159	DYNC1I2	3	1	1.627604929	4.225254811
2160	SLC25A12	6	1	-0.46634284	-3.062388621
2161	HAT1	10	1	2.898567763	-3.695460998
2162	METAP1D	6	1	-0.470333192	-3.345840894
2163	DLX1	11	1	1.272006002	-0.305145882
2164	DLX2	6	1	-1.084069523	-3.7521865
2165	ITGA6	11	1	1.411264625	-0.17964121
2166	AC078883.3	13	1	-2.506836328	-0.113295637
2167	AC078883.1	13	1	-2.28854433	-0.308743678
2168	PDK1	1	1	-1.499722156	2.162104167
2169	MAP3K20	8	1	1.127237049	1.844233431
2170	CDCA7	10	1	2.463898984	-4.139358245
2171	SP3	8	1	1.013420907	1.221239306
2172	OLA1	16	1	3.551213112	3.108187713
2173	CIR1	14	1	-1.044377002	3.55909089
2174	SCRN3	6	1	-0.336811456	-3.241808854
2175	GPR155	13	1	-2.243580493	0.584478937
2176	WIPF1	1	1	-0.383383337	1.544401206
2177	CHN1	18	1	-3.380931291	1.817846216
2178	ATF2	9	1	-0.488088045	1.007258154
2179	ATP5MC3	16	1	3.803107825	3.929827727
2180	LNPK	8	1	0.095877704	1.688977517
2181	HOXD11	18	1	-3.672853145	0.470811985
2182	HOXD10	18	1	-2.961154613	1.577396311
2183	HOXD-AS2	6	1	-1.725533995	-2.653187953
2184	HOXD9	18	1	-3.183648977	1.20000682
2185	HOXD8	9	1	-0.177966419	0.395609664
2186	MTX2	2	1	3.461878148	-0.252629481
2187	LINC01116	6	1	-1.284872326	-3.294438325
2188	HNRNPA3	16	1	2.978522387	3.09857396
2189	NFE2L2	3	1	1.058397141	4.54032544
2190	AGPS	11	1	1.985561696	-0.23020681
2191	TTC30B	12	1	-2.919333372	-2.131610833

2192	TTC30A	6	1	-1.391055259	-2.509835683
2193	PDE11A	1	1	-1.969720039	1.119785882
2194	RBM45	6	1	-0.376979324	-3.373775207
2195	OSBPL6	8	1	0.692513373	0.324435673
2196	AC009948.1	5	1	0.841166642	-2.370206557
2197	PRKRA	14	1	0.395569351	2.72808174
2198	PJVK	15	1	-4.252478513	-0.733721934
2199	FKBP7	14	1	-0.738404188	3.916112222
2200	PLEKHA3	2	1	3.958908644	0.555941559
2201	TTN-AS1	9	1	-0.764708194	0.780429818
2202	TTN	1	1	-1.241350088	2.097871221
2203	AC010680.2	9	1	-1.024236593	0.643031902
2204	SESTD1	8	1	-0.324508014	1.364181258
2205	CWC22	7	1	2.767944899	-0.471302889
2206	UBE2E3	2	1	4.431559172	0.47682821
2207	ITGA4	5	1	-0.307322177	-2.239764892
2208	AC009962.1	4	1	0.284346563	-1.659196578
2209	SSFA2	11	1	1.28682622	0.105307467
2210	DNAJC10	14	1	0.417803672	3.214891948
2211	FRZB	17	1	-3.312750253	2.52436284
2212	NCKAP1	8	1	0.558826592	1.982265629
2213	DUSP19	13	1	-1.99717966	0.425126195
2214	NUP35	10	1	3.249712077	-3.422298871
2215	AC096667.1	18	1	-3.298101816	1.93734733
2216	ZNF804A	5	1	1.144297686	-2.140456639
2217	FSIP2	4	1	-1.698477778	-1.475102507
2218	LINC01473	13	1	-3.533619318	-0.20406773
2219	ZC3H15	16	1	2.823955622	3.750898398
2220	ITGAV	14	1	0.182073858	3.870564975
2221	FAM171B	4	1	-0.035509232	-1.034592591
2222	AC007319.1	13	1	-2.829587135	0.262673959
2223	CALCRL	15	1	-4.284290227	-0.249140643
2224	TFPI	17	1	-3.394667778	2.809464015
2225	GULP1	6	1	-2.204286727	-3.529503785
2226	COL3A1	3	1	0.730188516	4.780287541
2227	COL5A2	3	1	0.774189678	4.744133748
2228	WDR75	7	1	2.240239468	-0.78724774
2229	SLC40A1	18	1	-3.125104818	2.122310556
2230	ASNSD1	2	1	3.379282084	-0.641046964
2231	ANKAR	12	1	-3.097172174	-2.183655463
2232	OSGEPL1	10	1	2.715388861	-3.294209443
2233	AC013468.1	9	1	-1.09545866	0.105007745
2234	ORMDL1	2	1	3.290624466	0.232127823

2235	PMS1	7	1	2.363882151	-1.783491813
2236	C2orf88	6	1	-1.448990855	-3.454409085
2237	HIBCH	6	1	-0.274604562	-3.329593621
2238	INPP1	7	1	2.940394488	-0.955241524
2239	MFSD6	13	1	-2.440601501	-0.204932653
2240	NEMP2	10	1	3.170943823	-3.486923419
2241	AC108047.1	6	1	-2.147963438	-3.833642207
2242	NAB1	1	1	-2.468746337	2.666313924
2243	AC006460.1	15	1	-4.912224206	-1.067174398
2244	GLS	3	1	1.249971595	4.148028411
2245	STAT1	11	1	1.833125439	0.18454536
2246	STAT4	1	1	-1.768410835	1.38377849
2247	MYO1B	11	1	2.115003434	0.062101252
2248	NABP1	14	1	0.218799037	2.411087788
2249	CAVIN2	5	1	0.647602168	-1.985122167
2250	TMEFF2	6	1	-1.968421611	-3.645615302
2251	SLC39A10	14	1	-0.952816102	3.309155978
2252	STK17B	11	1	0.904080179	-0.950890027
2253	HECW2	11	1	0.80638006	-1.431249701
2254	CCDC150	10	1	3.495483485	-3.787286006
2255	GTF3C3	11	1	1.656206456	-0.476454102
2256	PGAP1	4	1	-0.016832012	-1.152603589
2257	ANKRD44	4	1	-1.435841712	-1.503773175
2258	SF3B1	16	1	2.655848351	3.175306596
2259	COQ10B	14	1	0.112147149	2.689430274
2260	HSPD1	16	1	2.93528637	3.523029603
2261	HSPE1	16	1	3.6506246	3.072304763
2262	MOB4	2	1	3.435792294	-0.303433858
2263	RFTN2	15	1	-3.981768999	0.27457127
2264	MARS2	5	1	0.581511941	-1.674504005
2265	PLCL1	6	1	-2.546642456	-3.250370227
2266	SATB2	9	1	-0.470586392	0.098031975
2267	C2orf69	10	1	3.343148079	-2.951905214
2268	TYW5	9	1	-0.152856949	0.219127737
2269	MAIP1	5	1	1.114898053	-3.215810977
2270	SPATS2L	16	1	3.397509184	3.550580539
2271	KCTD18	13	1	-2.281898889	0.222041942
2272	SGO2	10	1	4.43357667	-3.527001344
2273	AOX1	8	1	0.861135033	0.43943043
2274	BZW1	16	1	3.415041771	3.239914931
2275	CLK1	1	1	-2.312506828	2.917557277
2276	PPIL3	1	1	-2.587630424	2.169066228
2277	NIF3L1	10	1	3.333625403	-3.36216446

2278	ORC2	5	1	1.839264598	-2.089865409
2279	AC005037.1	6	1	-2.26224533	-3.817172252
2280	FAM126B	9	1	-1.027078661	0.206853129
2281	NDUFB3	16	1	3.965270367	3.259718455
2282	CFLAR	8	1	0.411947665	1.406431831
2283	CASP10	6	1	-1.3019909	-1.953856431
2284	CASP8	9	1	-0.404400382	-0.56537094
2285	ALS2CR12	9	1	0.168448847	-0.016963832
2286	TRAK2	4	1	-0.27869812	-1.427818381
2287	STRADB	11	1	1.321041074	-0.175162696
2288	TMEM237	7	1	2.955534544	-1.196038805
2289	MPP4	5	1	1.497089472	-1.95862218
2290	ALS2	4	1	0.275164899	-0.914513432
2291	CDK15	5	1	1.537505117	-1.343292557
2292	FZD7	8	1	-0.043950367	1.515810169
2293	KIAA2012	1	1	-2.031429204	2.089528836
2294	AC079354.3	5	1	1.086639729	-2.663457118
2295	SUMO1	16	1	3.554352131	3.720865287
2296	NOP58	7	1	3.856414643	-1.261309467
2297	BMPR2	11	1	1.818130937	0.454309203
2298	FAM117B	1	1	-2.05392662	2.429775752
2299	ICA1L	5	1	-0.207096267	-2.749642335
2300	WDR12	7	1	3.68877491	-1.193529688
2301	CARF	13	1	-2.619718942	0.230736948
2302	NBEAL1	14	1	-0.610319826	2.641647853
2303	CYP20A1	7	1	2.676970807	-0.720748268
2304	ABI2	11	1	2.07235178	0.471878327
2305	RAPH1	8	1	0.031554056	0.655051268
2306	PARD3B	8	1	0.245649394	1.028802193
2307	NRP2	3	1	1.051736322	4.703350343
2308	INO80D	9	1	0.084517401	-0.562431954
2309	NDUFS1	11	1	2.27051529	0.032788224
2310	EEF1B2	3	1	2.304332343	5.615770139
2311	GPR1	12	1	-2.657149229	-2.045964681
2312	ZDBF2	1	1	-1.307798776	1.093267835
2313	ADAM23	11	1	1.552130309	-0.404547475
2314	MDH1B	15	1	-4.065982255	-1.787214719
2315	FASTKD2	7	1	3.094667044	-1.460085832
2316	KLF7	14	1	-0.386881295	2.439348496
2317	CREB1	11	1	1.481079426	0.459662072
2318	METTL21A	7	1	1.382893172	-1.137227975
2319	CCNYL1	4	1	-0.357828859	-1.593778692
2320	PLEKHM3	9	1	-1.764902386	-0.084783517

2321	CRYGC	15	1	-4.843381319	-1.086371981
2322	IDH1	13	1	-3.250647459	-0.055280261
2323	IDH1-AS1	13	1	-3.11005083	-0.014543615
2324	PIKFYVE	9	1	-0.52091721	0.637168087
2325	RPE	7	1	2.577596989	-1.657081567
2326	KANSL1L	9	1	-1.017791662	0.591349266
2327	AC007038.2	9	1	-0.620233747	0.160778098
2328	AC007038.1	4	1	-0.491632018	-1.860312186
2329	LANCL1	4	1	0.05324944	-1.06675335
2330	CPS1	9	1	-0.272377047	-0.033660434
2331	ERBB4	12	1	-2.384527359	-2.841377221
2332	IKZF2	1	1	-2.419477376	2.505931414
2333	SPAG16	6	1	-0.247292313	-3.225714408
2334	BARD1	10	1	2.864971486	-4.035284721
2335	ATIC	2	1	4.533668128	-0.710810982
2336	FN1	3	1	0.959775236	4.452008046
2337	LINC00607	15	1	-3.47273508	-1.711709939
2338	AC122136.1	15	1	-3.942026052	-1.531570994
2339	PECR	9	1	-1.771826181	0.034283347
2340	XRCC5	16	1	3.473105755	3.069612063
2341	LINC01963	6	1	-0.728993508	-3.413730346
2342	4-Mar	11	1	0.433143315	-0.579345428
2343	AC069155.1	8	1	1.430303541	1.234499551
2344	SMARCA1	4	1	-0.0684322	-2.024598561
2345	RPL37A	3	1	1.739840117	5.319700993
2346	IGFBP2	6	1	-1.889825377	-2.588101827
2347	IGFBP5	3	1	0.854075935	4.141563691
2348	AC007563.2	1	1	-1.181577477	2.15574006
2349	DIRC3	1	1	-1.213053617	2.217723645
2350	TNS1	14	1	-0.255336914	2.375894703
2351	ARPC2	3	1	2.880084601	4.524934567
2352	GPBAR1	8	1	0.812430826	0.692841001
2353	AAMP	2	1	4.02362093	-0.573633872
2354	PNKD	2	1	4.296335307	1.068241097
2355	TMBIM1	8	1	0.604020324	1.278052784
2356	CTDSP1	1	1	-0.529821906	1.907793082
2357	USP37	10	1	2.069435921	-3.320859872
2358	CNOT9	7	1	2.805757609	-2.441547357
2359	PLCD4	12	1	-2.408946905	-1.236169182
2360	AC012510.1	5	1	0.668095913	-2.310912572
2361	ZNF142	5	1	0.922168997	-2.367217027
2362	BCS1L	7	1	3.036843148	-1.928084098
2363	RNF25	5	1	-0.214892212	-2.863105498

2364	STK36	4	1	-1.16291109	-1.386669003
2365	TTL4	11	1	0.441958782	-1.097114407
2366	CYP27A1	18	1	-2.882545862	1.650238909
2367	WNT10A	14	1	-1.009425673	2.76759509
2368	CFAP65	17	1	-4.833633813	3.190124787
2369	AC097468.3	5	1	0.547005561	-2.248563014
2370	CNPPD1	5	1	0.47767159	-2.024774753
2371	RETREG2	1	1	-1.336198005	1.82422594
2372	ZFAND2B	5	1	1.784338322	-2.62979313
2373	ANKZF1	1	1	-1.691813621	2.44996909
2374	GLB1L	18	1	-3.647648487	1.414877213
2375	STK16	2	1	3.399955597	1.148712076
2376	TUBA4A	9	1	-1.706933054	0.174094952
2377	DNAJB2	1	1	-1.025594863	1.719245232
2378	PTPRN	17	1	-2.738620672	2.766688384
2379	DNPEP	2	1	4.31269702	0.051655121
2380	DES	8	1	-0.368636224	1.762314595
2381	AC053503.4	8	1	-0.192054841	1.706764139
2382	SPEG	8	1	-0.357152018	1.422780193
2383	GMPPA	2	1	4.055874434	0.898118295
2384	ASIC4	1	1	-1.553657922	2.42550496
2385	CHPF	13	1	-3.364258441	-0.371922516
2386	TMEM198	12	1	-3.236711177	-1.221833192
2387	OBSL1	14	1	-1.481364164	3.064172305
2388	INHA	13	1	-3.164076957	0.38934134
2389	STK11IP	4	1	-0.875750813	-1.867596112
2390	SLC4A3	13	1	-2.309261713	-0.59851899
2391	EPHA4	1	1	-2.290336046	1.712762512
2392	SGPP2	5	1	1.710947481	-3.001984798
2393	FARSB	7	1	3.834355441	-1.469369851
2394	ACSL3	8	1	1.787274566	1.541141905
2395	KCNE4	15	1	-4.374760065	0.087039478
2396	SCG2	15	1	-3.891314182	-2.168984138
2397	AP1S3	6	1	-1.747985992	-2.901127778
2398	WDFY1	14	1	0.047292627	2.309834994
2399	MRPL44	2	1	3.358056393	-0.086733662
2400	SERPINE2	3	1	0.648840216	4.71830634
2401	FAM124B	6	1	-1.349808726	-3.518365823
2402	CUL3	11	1	2.451800671	0.192620344
2403	DOCK10	7	1	1.971371618	-2.057963573
2404	IRS1	1	1	-1.547787103	2.199694074
2405	RHBDD1	8	1	-0.204232085	1.259380378
2406	MFF	2	1	3.663065758	1.631508507

2407	AGFG1	11	1	2.317486134	0.109390445
2408	SLC19A3	15	1	-4.233464632	0.065943397
2409	CC120	17	1	-4.422614011	3.013428964
2410	DAW1	6	1	-1.163294825	-3.500839673
2411	LINC01807	17	1	-3.687957677	2.841219224
2412	PID1	17	1	-3.739561233	2.238393821
2413	DNER	17	1	-3.352585468	2.695927419
2414	TRIP12	11	1	1.857081738	0.788108773
2415	FBXO36	9	1	-1.107500705	0.336935848
2416	SP110	6	1	-1.118030819	-2.428870164
2417	SP140L	8	1	0.370639053	0.256835148
2418	SP100	8	1	0.64619067	0.500350155
2419	LINC01907	1	1	-1.596700105	3.0066543
2420	CAB39	8	1	0.193888453	1.606617011
2421	ITM2C	14	1	-0.460039917	4.275574721
2422	PSMD1	16	1	3.614757624	2.859051503
2423	HTR2B	9	1	-0.792322072	0.759601719
2424	ARMC9	15	1	-4.358249101	-0.59401729
2425	NCL	16	1	3.012396422	3.232890166
2426	LINC00471	10	1	2.308542338	-3.417209111
2427	PTMA	16	1	2.782337037	3.753945388
2428	PDE6D	5	1	0.934376863	-1.674262725
2429	COPS7B	5	1	1.025432733	-1.827918969
2430	NPPC	5	1	1.06504294	-2.325745307
2431	DIS3L2	5	1	0.897758987	-2.272223197
2432	TIGD1	20	1	-1.058874521	-4.317473136
2433	EIF4E2	3	1	3.296377984	4.620519437
2434	EFHD1	12	1	-2.734096679	-2.729202233
2435	GIGYF2	11	1	2.222090331	0.100090392
2436	KCNJ13	15	1	-4.512799177	-1.660244428
2437	INPP5D	12	1	-3.196896705	-1.40165826
2438	ATG16L1	4	1	0.076777243	-1.07923206
2439	DGKD	9	1	-1.043552312	0.747951515
2440	USP40	18	1	-3.680271539	0.443260059
2441	HJURP	10	1	4.134210196	-3.609482251
2442	ARL4C	8	1	1.013622966	-0.091856234
2443	SH3BP4	5	1	1.475469795	-1.944707595
2444	AGAP1	4	1	-0.348437074	-1.434030973
2445	ACKR3	17	1	-3.335436496	2.667281188
2446	COPS8	2	1	4.124499407	-0.542743288
2447	COL6A3	3	1	0.848706868	4.490248002
2448	MLPH	4	1	-0.987821254	-0.781820856
2449	LRRFIP1	16	1	2.720944968	2.942092217

2450	RAMP1	8	1	0.451939192	0.819795824
2451	UBE2F	2	1	3.748619643	0.395937139
2452	SCLY	5	1	2.261533347	-2.834675752
2453	ESPNL	18	1	-3.062974128	1.02244351
2454	KLHL30	13	1	-2.779915246	-0.930650912
2455	ERFE	10	1	3.494638052	-3.282217466
2456	ILKAP	7	1	3.814685193	-1.11782416
2457	HES6	11	1	0.777619389	-0.632480942
2458	PER2	11	1	0.557963279	-0.851349794
2459	TRAF3IP1	7	1	2.387494889	-0.877015434
2460	ASB1	8	1	1.036862698	0.75199718
2461	TWIST2	7	1	3.727086869	-0.894599281
2462	HDAC4	1	1	-2.576413068	2.361869849
2463	AC062017.1	18	1	-3.193346891	0.942763723
2464	NDUFA10	16	1	3.53157815	3.820998944
2465	COPS9	3	1	3.28498086	4.786274709
2466	OTOS	6	1	-2.024497184	-3.086486779
2467	GPC1	8	1	0.572037366	1.326098121
2468	DUSP28	12	1	-2.663146648	-1.486267649
2469	RNPEPL1	8	1	0.652428356	1.425582208
2470	CAPN10-D7	1	1	-1.247636113	2.028999008
2471	CAPN10	5	1	0.278603461	-2.673468314
2472	GPR35	19	2	-7.04119769	0.284511603
2473	MTERF4	6	1	-0.087902169	-3.334360086
2474	PASK	10	1	2.511838046	-4.035948955
2475	PPP1R7	2	1	4.555204001	0.580321453
2476	ANO7	18	1	-3.023813877	1.503852047
2477	HDLBP	3	1	0.942288366	4.667612828
2478	SEPT2	3	1	2.251027909	3.177381076
2479	FARP2	4	1	0.149376665	-1.702109061
2480	STK25	2	1	4.247215357	0.465782672
2481	BOK	11	1	2.44948205	0.394190499
2482	AC133528.1	1	1	-0.462006542	1.256405212
2483	THAP4	7	1	3.096740571	-1.467613064
2484	ATG4B	7	1	2.229832259	-0.774212085
2485	DTYMK	10	1	4.128859606	-2.25854417
2486	ING5	5	1	1.326016632	-1.896774493
2487	D2HGDH	1	1	-1.843842539	0.611916832
2488	NEU4	6	1	-1.759214315	-3.254215203
2489	LINC01238	1	1	-1.414720449	1.499590196
2490	CNTN6	15	1	-4.874636564	-1.000193678
2491	CNTN4	15	1	-4.880108747	-1.013627373
2492	TRNT1	2	1	3.41988453	-0.695396267

2493	CRBN	11	1	2.127683487	0.658117957
2494	AC024060.1	4	1	-0.192663688	-0.773794614
2495	SUMF1	13	1	-2.320647869	0.308118507
2496	LRRN1	12	1	-2.709243211	-2.815932237
2497	SETMAR	5	1	1.472050753	-3.295107328
2498	ITPR1	4	1	-0.8153483	-0.491872631
2499	EGOT	6	1	-2.5427219	-3.440418445
2500	AC018816.1	18	1	-3.401917848	0.937923945
2501	BHLHE40	14	1	-0.9728829	2.729988135
2502	ARL8B	8	1	1.341649857	0.854147173
2503	EDEM1	9	1	-0.502752397	-0.456357382
2504	LMCD1	15	1	-4.070497903	-0.300081633
2505	SSUH2	8	1	0.740285185	0.834573008
2506	OXTR	8	1	0.676224199	1.375906922
2507	RAD18	10	1	2.938366976	-3.894981109
2508	SRGAP3	15	1	-3.973116312	0.555878229
2509	THUMPD3-A	7	1	2.092569676	-0.674850546
2510	THUMPD3	2	1	3.554958191	-0.67453941
2511	SETD5	14	1	-0.142024773	2.660597838
2512	LHFPL4	6	1	-0.605165038	-3.138299905
2513	MTMR14	5	1	0.574773994	-2.681622707
2514	BRPF1	4	1	0.319637921	-1.74648305
2515	OGG1	5	1	1.283614245	-3.128430091
2516	CAMK1	7	1	3.870165196	-1.016884648
2517	TADA3	2	1	4.244119254	1.072759427
2518	ARPC4	16	1	3.38335022	3.092409171
2519	TTLL3	9	1	-1.472814474	-0.086574517
2520	RPUSD3	2	1	4.46851739	0.00590036
2521	JAGN1	2	1	4.472994891	0.451530061
2522	IL17RE	6	1	-1.012808833	-3.847851955
2523	IL17RC	6	1	-1.192803535	-2.955906116
2524	CRELD1	14	1	-1.331088933	3.335078038
2525	PRRT3	12	1	-2.14153162	-2.69137355
2526	PRRT3-AS1	6	1	-1.855963978	-2.926870547
2527	EMC3	2	1	3.72410616	1.403059162
2528	AC022007.1	18	1	-2.977535877	1.449308075
2529	FANCD2	10	1	3.492109385	-3.382448159
2530	BRK1	3	1	3.179266539	5.000173844
2531	VHL	9	1	-0.422590765	0.951760389
2532	IRAK2	17	1	-3.918082866	3.029749669
2533	TATDN2	4	1	-0.690380785	-1.619458877
2534	SEC13	3	1	1.801476446	4.623256005
2535	ATP2B2	17	1	-4.829252634	3.247567691

2536	HRH1	1	1	-0.827813777	2.308359302
2537	ATG7	4	1	0.177223173	-0.732115828
2538	VGLL4	15	1	-4.090609941	0.594127826
2539	TAMM41	2	1	3.252903548	-0.465374135
2540	TIMP4	15	1	-3.925792131	-0.357933782
2541	TSEN2	7	1	1.996457425	-2.083541833
2542	MKRN2	8	1	0.06739557	1.661629475
2543	RAF1	8	1	1.305597511	0.690958954
2544	TMEM40	4	1	-2.103443059	-1.13764628
2545	CAND2	8	1	0.378079292	0.387376522
2546	AC034198.2	12	1	-2.992713842	-2.059993707
2547	RPL32	3	1	2.277625409	5.63157729
2548	IQSEC1	1	1	-1.408527169	0.635842688
2549	HDAC11	13	1	-2.462807331	-0.066503369
2550	FBLN2	13	1	-3.634786996	-0.656305872
2551	CHCHD4	7	1	2.064075795	-1.977728568
2552	TMEM43	11	1	2.14442834	0.162349589
2553	XPC	2	1	3.324591008	-0.399729692
2554	LSM3	10	1	4.185773936	-2.087244712
2555	SLC6A6	4	1	0.080336378	-1.907003843
2556	GRIP2	1	1	-2.09790698	2.467025555
2557	CCDC174	14	1	-1.114255104	3.653838672
2558	FGD5-AS1	11	1	2.457852927	-0.280727588
2559	NR2C2	9	1	-0.041109446	0.185004867
2560	MRPS25	2	1	4.293605891	-0.030814015
2561	RBSN	5	1	0.695493606	-1.840708934
2562	CAPN7	14	1	-0.808935019	2.672973908
2563	SH3BP5	15	1	-3.876499328	-0.251917146
2564	METTL6	6	1	-0.416183147	-2.848029815
2565	EAF1	4	1	-0.808893415	-0.633179151
2566	HACL1	5	1	1.20144197	-1.618595921
2567	BTD	1	1	-2.660053644	1.280772961
2568	ANKRD28	8	1	1.163781252	1.711765446
2569	GALNT15	1	1	-2.58235279	2.605209388
2570	DPH3	2	1	3.800906268	0.273215472
2571	OXNAD1	5	1	1.118936148	-2.882427417
2572	RFTN1	8	1	0.913973477	0.863973833
2573	AC090948.3	1	1	-1.08770493	1.765592135
2574	PLCL2	5	1	1.286477533	-2.654345475
2575	TBC1D5	14	1	-0.34766275	2.315654315
2576	SATB1	1	1	-0.711364302	1.392421163
2577	RAB5A	14	1	0.025214506	2.358951129
2578	KAT2B	6	1	-2.026050481	-2.308222018

2579	SGO1	10	1	4.036838141	-3.641680442
2580	UBE2E2	14	1	-0.808990273	2.658819474
2581	UBE2E1	8	1	1.209565487	0.59622518
2582	NKIRAS1	6	1	0.171750259	-2.999008619
2583	RPL15	3	1	2.423518744	5.665283479
2584	NR1D2	8	1	-0.1218676	1.707009472
2585	LINC00691	17	1	-4.739214811	3.219073333
2586	THRB	17	1	-4.817931089	2.860862769
2587	RARB	1	1	-2.056892547	2.47051195
2588	TOP2B	11	1	2.270832148	0.261981085
2589	NGLY1	8	1	1.13109943	0.442923151
2590	OXSM	6	1	-1.145908508	-2.107243501
2591	NEK10	17	1	-4.790021333	2.707791127
2592	SLC4A7	8	1	0.982028869	1.784524001
2593	CMC1	2	1	4.097077456	-0.353279792
2594	AZI2	14	1	-1.074401173	3.9464126
2595	ZCWPW2	13	1	-3.069256458	-0.408051096
2596	AC098650.1	4	1	-0.410913977	-1.720818483
2597	RBMS3	8	1	1.164300647	1.412145652
2598	RBMS3-AS3	6	1	-1.907677922	-3.322974645
2599	TGFBR2	11	1	1.438577023	-0.006854497
2600	STT3B	14	1	-0.098976332	2.989879168
2601	OSBPL10	12	1	-3.365595493	-2.491909467
2602	OSBPL10-AS	6	1	-2.66668168	-3.423021041
2603	GPD1L	6	1	-1.320673618	-2.446209155
2604	CMTM8	12	1	-2.543465528	-2.902436935
2605	CMTM7	7	1	2.097486821	-2.093554698
2606	CMTM6	2	1	3.005295601	-0.310599111
2607	DYNC1LI1	7	1	4.164805975	-1.091507398
2608	CNOT10	5	1	1.44020566	-3.141756736
2609	GLB1	14	1	-0.652780148	4.074431456
2610	CRTAP	3	1	0.980796662	4.520509995
2611	SUSD5	6	1	-1.703810367	-2.973383151
2612	FBXL2	4	1	-0.643208835	-0.995772325
2613	UBP1	6	1	-0.600492689	-2.142591201
2614	CLASP2	11	1	0.705224302	-1.206298433
2615	AC112220.3	12	1	-2.563043031	-2.730813466
2616	AC112220.4	6	1	-1.652628216	-3.359674178
2617	AC112220.2	6	1	-1.550829324	-3.474192344
2618	PDCD6IP	11	1	1.879361597	0.457899816
2619	STAC	6	1	-1.786531243	-2.444110356
2620	TRANK1	1	1	-1.863395724	2.009697236
2621	EPM2AIP1	9	1	-1.319584164	-0.025398933

2622	MLH1	5	1	1.975807157	-3.051705562
2623	LRRFIP2	11	1	2.292397347	0.290235586
2624	AC097359.2	13	1	-2.713112268	-0.702861868
2625	GOLGA4	3	1	1.797183838	3.967808522
2626	CTDSPL	2	1	3.689921704	-0.587972902
2627	VILL	15	1	-3.552209291	-1.186024271
2628	PLCD1	13	1	-2.64941636	0.403871452
2629	DLEC1	14	1	-0.278954956	2.800888337
2630	ACAA1	2	1	4.254271117	0.748407461
2631	MYD88	5	1	-0.204841855	-2.576888286
2632	OXSR1	11	1	2.372330037	-0.05444824
2633	XYLB	5	1	1.680339423	-3.137331926
2634	ACVR2B	9	1	-0.042906094	0.371225029
2635	EXOGE	5	1	0.814197448	-3.173024141
2636	SCN5A	6	1	-1.719835314	-2.985387765
2637	WDR48	9	1	-0.121999729	0.65353734
2638	GORASP1	9	1	-1.11846641	0.207099728
2639	TTC21A	13	1	-2.563758287	0.671018727
2640	CSRNP1	4	1	-0.242285076	-2.112136804
2641	SLC25A38	4	1	-0.241384658	-1.800180398
2642	RPSA	3	1	2.300291625	5.637912549
2643	EIF1B	3	1	0.991533962	4.531204022
2644	NTPD3-AS	12	1	-2.249763641	-1.571110092
2645	RPL14	3	1	1.975954261	5.531530656
2646	ZNF619	9	1	-0.354713473	-0.114021056
2647	ZNF620	5	1	1.088437882	-2.93055936
2648	ZNF621	1	1	-0.838501367	1.338962115
2649	CTNNB1	11	1	1.704291549	0.582747824
2650	ULK4	5	1	0.29691818	-2.76436659
2651	TRAK1	4	1	-0.229295197	-0.73030337
2652	SEC22C	7	1	3.184139815	-2.01453086
2653	SS18L2	2	1	3.674774018	-0.3193179
2654	NKTR	14	1	-0.050396125	2.344192184
2655	AC006059.1	13	1	-2.9853026	-0.304552041
2656	ZBTB47	4	1	-1.080387864	-0.711320006
2657	HIGD1A	2	1	3.991820422	-0.188263618
2658	ACKR2	12	1	-2.900502595	-1.131689631
2659	KRBOX1	5	1	0.682190564	-3.431957208
2660	ZNF662	15	1	-3.506756458	-1.72482153
2661	POMGNT2	6	1	-1.165039691	-1.946924173
2662	SNRK	9	1	0.038534729	-0.504462682
2663	ANO10	14	1	-0.33435342	3.392910518
2664	ABHD5	17	1	-4.09757081	2.943371333

2665	TCAIM	1	1	-1.63107923	1.419635214
2666	ZNF445	1	1	-1.177616868	1.434218801
2667	ZKSCAN7	15	1	-3.589141044	-1.642892324
2668	ZNF660	15	1	-3.599799308	-1.780173741
2669	ZNF197	1	1	-1.769898686	0.908934153
2670	ZNF35	6	1	-0.499431881	-3.365264617
2671	AC124045.1	4	1	0.221363541	-1.724388086
2672	ZNF502	4	1	-0.887236866	-1.649996959
2673	ZNF501	6	1	-1.1543825	-2.787079059
2674	KIAA1143	7	1	2.584741679	-1.231535636
2675	KIF15	10	1	4.078030673	-3.612576209
2676	TMEM42	14	1	-1.333466444	3.455017365
2677	ZDHHC3	2	1	3.907371607	0.532175369
2678	EXOSC7	2	1	4.331092444	-0.058864467
2679	CDCP1	14	1	0.264544037	2.560522355
2680	TMEM158	14	1	0.857079771	3.163929976
2681	LARS2	5	1	1.075065222	-2.186094009
2682	LIMD1	11	1	0.3982999	-0.427736424
2683	SACM1L	11	1	0.48787677	-0.390673183
2684	LZTFL1	1	1	-2.501531991	1.925327934
2685	FYCO1	9	1	-0.818412933	-0.084071659
2686	LTF	8	1	0.118597326	1.519148864
2687	LRRC2	1	1	-0.983915481	2.39315442
2688	ALS2CL	13	1	-2.287731084	-0.129278563
2689	CCDC12	2	1	4.443843928	-0.327250563
2690	NBEAL2	5	1	0.856672612	-1.766848289
2691	SETD2	11	1	1.986528245	0.651605822
2692	KIF9	6	1	-0.994268212	-3.678228103
2693	KLHL18	5	1	0.505541918	-2.522478305
2694	AC099778.1	20	1	-1.102519426	-4.365736209
2695	PTPN23	7	1	1.524165478	-0.986146413
2696	SCAP	6	1	-0.650242838	-2.509112083
2697	ELP6	2	1	4.340324011	-0.591975711
2698	CSPG5	17	1	-4.852888021	3.053776301
2699	SMARCC1	2	1	3.27878007	-0.608590506
2700	DHX30	7	1	3.380186167	-1.266912542
2701	MAP4	3	1	1.998756853	3.777910031
2702	CDC25A	10	1	2.483425227	-3.946136199
2703	ZNF589	5	1	0.982374933	-1.720911227
2704	NME6	7	1	3.275780287	-0.942841612
2705	PLXNB1	4	1	-1.043531689	-1.52648338
2706	CCDC51	6	1	0.285767686	-3.405190431
2707	TMA7	3	1	2.67650899	5.101702966

2708	AC134772.1	9	1	-1.143915209	-0.492627107
2709	ATRIP	10	1	2.324142066	-3.592885219
2710	SHISA5	13	1	-2.061465415	-0.368221186
2711	PFKFB4	1	1	-2.160725507	2.831382073
2712	COL7A1	1	1	-2.679524574	1.903364219
2713	UQCRC1	16	1	3.335106698	3.663782634
2714	SLC26A6	1	1	-1.983307514	1.469679989
2715	NCKIPSD	1	1	-2.143455896	1.897525348
2716	IP6K2	2	1	3.926756468	0.479008779
2717	PRKAR2A	2	1	3.544929591	-0.610124372
2718	SLC25A20	6	1	-1.874418768	-2.632187091
2719	ARIH2OS	15	1	-4.043712053	-2.034412824
2720	ARIH2	2	1	3.50161418	-0.610897266
2721	P4HTM	2	1	3.598173705	1.31708584
2722	WDR6	11	1	1.191281524	-0.527851604
2723	DALRD3	2	1	3.623056736	1.309219636
2724	NDUFAF3	16	1	3.441449729	4.188866175
2725	IMPDH2	3	1	2.416181174	4.303476371
2726	AC137630.3	12	1	-3.257220897	-1.308762633
2727	QRICH1	11	1	1.164765444	-1.149364196
2728	QARS	14	1	-0.560006532	3.496796883
2729	USP19	4	1	-0.172900978	-0.646223866
2730	LAMB2	14	1	-0.302168432	3.740967549
2731	CCDC71	6	1	-0.886807117	-2.789559804
2732	KLHDC8B	6	1	-0.629520807	-2.164273463
2733	CCDC36	5	1	1.095119443	-2.274611913
2734	AC121247.1	5	1	0.979363289	-2.101057969
2735	C3orf62	5	1	-0.385471734	-2.27753707
2736	USP4	11	1	1.309911457	-0.66955813
2737	RHOA	3	1	1.944747534	4.44749812
2738	TCTA	12	1	-2.215566787	-2.530148946
2739	AMT	1	1	-1.604127082	2.690551318
2740	DAG1	7	1	2.035166469	-1.209105812
2741	APEH	7	1	3.500542965	-0.989752375
2742	RNF123	4	1	-1.579363975	-1.480560027
2743	GMPPB	2	1	4.47978839	-0.53378024
2744	IP6K1	4	1	-0.250740561	-1.975769483
2745	INKA1	6	1	-1.246554884	-2.435234986
2746	UBA7	1	1	-1.841257486	1.214391149
2747	TRAIP	10	1	3.697554198	-3.75321313
2748	MON1A	5	1	0.337470141	-2.818908178
2749	RBM6	14	1	0.065691774	2.208854235
2750	RBM5	8	1	1.295911756	1.292020477

2751	SEMA3F	8	1	0.432107565	0.077369667
2752	GNAI2	3	1	2.460387078	4.404109277
2753	SEMA3B	1	1	-1.920049462	2.682825841
2754	IFRD2	7	1	4.132052508	-1.013548933
2755	HYAL3	12	1	-2.640747938	-1.433410965
2756	NAA80	13	1	-2.691175136	0.105344422
2757	HYAL2	2	1	4.424301711	-0.077593856
2758	TUSC2	2	1	4.294486132	0.572946049
2759	RASSF1	10	1	3.941299048	-3.009635888
2760	RASSF1-AS1	6	1	-2.179330263	-3.151274644
2761	NPRL2	6	1	-0.88411859	-2.48272606
2762	CYB561D2	6	1	-0.327051583	-3.611984693
2763	TMEM115	2	1	3.78849062	0.311589122
2764	CYB561D2.1	13	1	-2.386709604	-0.055169903
2765	C3orf18	4	1	-1.896893653	-1.317098342
2766	HEMK1	1	1	-2.04937664	1.747298755
2767	MAPKAPK1	5	1	1.476413575	-2.828074657
2768	MANF	3	1	2.134316292	4.784668244
2769	RBM15B	11	1	1.606310931	-0.38772174
2770	DCAF1	11	1	0.819323209	-0.611732863
2771	RAD54L2	5	1	1.094242063	-1.897768699
2772	TEX264	2	1	4.084706393	1.058105565
2773	RRP9	7	1	4.090918627	-1.13676592
2774	PARP3	1	1	-1.966702852	0.87708766
2775	PCBP4	2	1	4.201891032	0.632908679
2776	ABHD14B	14	1	-1.344377431	3.619442977
2777	ABHD14A	15	1	-3.670931253	-0.992546998
2778	ACY1	4	1	-0.546603713	-0.919575654
2779	RPL29	3	1	2.505721655	5.577480115
2780	DUSP7	9	1	-0.20026468	-0.035724186
2781	POC1A	10	1	4.080360022	-3.349362813
2782	ALAS1	8	1	1.630091992	1.116190411
2783	TWF2	16	1	3.673660603	4.011852301
2784	PPM1M	1	1	-2.014201078	1.799702324
2785	WDR82	8	1	1.604118434	1.152030088
2786	GLYCTK	5	1	1.160581437	-2.946285449
2787	DNAH1	9	1	-1.823415312	0.111134179
2788	BAP1	5	1	0.544213381	-2.090746127
2789	PHF7	10	1	4.225050536	-3.111481153
2790	TNNC1	13	1	-3.554696712	-0.641509734
2791	NISCH	13	1	-2.010427627	0.483440451
2792	STAB1	19	2	-7.232983503	0.248089261
2793	NT5DC2	3	1	2.65989646	5.100512303

2794	SMIM4	2	1	3.932786551	1.432115115
2795	PBRM1	7	1	2.944711056	-0.678091251
2796	GNL3	16	1	2.737911549	3.57520584
2797	GLT8D1	14	1	-0.749452743	3.734250821
2798	SPCS1	3	1	3.021034565	4.574723042
2799	NEK4	5	1	1.159719434	-1.629419051
2800	ITIH3	15	1	-3.475568923	-1.767782413
2801	STIMATE	6	1	-1.030945811	-3.149921857
2802	SFMBT1	10	1	2.436158743	-3.567534648
2803	RFT1	5	1	1.707606879	-2.625997029
2804	PRKCD	11	1	0.504254338	-0.466137491
2805	TKT	3	1	2.565489378	4.28981737
2806	DCP1A	11	1	0.701346484	-0.254577123
2807	AC012467.2	9	1	-1.571746859	0.300971389
2808	ACTR8	11	1	1.487920847	-0.491582833
2809	SELENOK	3	1	1.300988403	3.954448499
2810	WNT5A	17	1	-3.218527231	2.613999881
2811	CCDC66	6	1	0.026300179	-3.077057086
2812	FAM208A	8	1	0.090868138	2.078082956
2813	ARHGEF3	13	1	-2.62617794	-0.848057471
2814	IL17RD	9	1	-0.279523316	-0.385211669
2815	APPL1	11	1	2.681249943	-0.19796481
2816	PDE12	5	1	1.131054607	-1.827001058
2817	ARF4	3	1	1.623812523	4.787690915
2818	DENND6A	9	1	0.08939948	-0.284467541
2819	SLMAP	1	1	-0.443412784	2.021603264
2820	FLNB	3	1	1.710559693	3.90390519
2821	ABHD6	4	1	-1.100719604	-1.37827047
2822	RPP14	4	1	0.184465048	-1.97800728
2823	PXK	3	1	1.087496248	2.469874181
2824	PDHB	3	1	1.896211472	4.259944238
2825	KCTD6	4	1	0.417380151	-1.532634579
2826	ACOX2	15	1	-3.47179285	-1.05055245
2827	C3orf67	10	1	2.477343646	-3.383712016
2828	FHIT	15	1	-3.658955249	-1.735560619
2829	PTPRG	4	1	-2.064893159	-1.377138101
2830	C3orf14	5	1	1.760450092	-3.364398442
2831	CADPS	1	1	-1.305389199	2.329844393
2832	THOC7	16	1	3.520914164	3.486094273
2833	ATXN7	4	1	-0.692848656	-1.058997952
2834	PSMD6-AS2	1	1	-1.13083342	1.348306216
2835	PSMD6	2	1	4.601315585	-0.4001958
2836	AC012557.2	4	1	-1.429402146	-0.495435439

2837	AC092040.1	15	1	-3.943959388	0.443967931
2838	PRICKLE2	1	1	-2.455533418	1.061174609
2839	ADAMTS9	18	1	-3.971352968	1.648700394
2840	DAMTS9-A	1	1	-2.228843841	2.699204005
2841	MAGI1	8	1	-0.108621064	1.518250979
2842	SLC25A26	2	1	3.479569045	0.952654756
2843	LRIG1	1	1	-0.603100452	1.262420036
2844	KBTBD8	5	1	0.475321111	-2.261271917
2845	SUCLG2	14	1	0.089325604	3.064889945
2846	UCLG2-AS	6	1	0.20301215	-3.103727542
2847	EOGT	4	1	-1.153347048	-0.572420679
2848	AC109587.1	12	1	-2.496571931	-2.818673335
2849	TMF1	14	1	-0.622068557	3.519728459
2850	UBA3	2	1	3.165623751	-0.376186274
2851	ARL6IP5	3	1	2.56526002	4.660806931
2852	FRMD4B	19	2	-7.010325345	0.213151581
2853	MITF	18	1	-3.143469247	1.074716367
2854	FOXP1	3	1	1.095372167	3.940797604
2855	AC097634.1	9	1	-0.314145658	1.082176722
2856	EIF4E3	13	1	-2.168578538	-0.287821852
2857	RYBP	8	1	0.998897937	0.899232007
2858	SHQ1	5	1	0.571668532	-2.470370256
2859	GXYLT2	1	1	-2.240608367	3.066350736
2860	PPP4R2	11	1	2.083456841	0.536332197
2861	EBLN2	1	1	-1.126514945	0.979625918
2862	PDZRN3	15	1	-4.275842103	0.45060949
2863	CNTN3	8	1	0.657492486	0.799977191
2864	LINC00960	8	1	0.66437712	0.122319706
2865	ZNF717	4	1	-1.359251532	-0.782471858
2866	ROBO2	8	1	0.705263641	0.547783978
2867	ROBO1	18	1	-2.985576305	2.043896116
2868	GBE1	14	1	-0.522898766	3.212201871
2869	VGLL3	1	1	-0.443145874	2.137197889
2870	CHMP2B	2	1	3.910383788	0.189479105
2871	CGGBP1	8	1	1.459532228	1.084542371
2872	ZNF654	9	1	-0.88167021	0.693693764
2873	C3orf38	7	1	2.431336966	-1.178393565
2874	EPHA3	15	1	-3.806031856	-2.14697405
2875	PROS1	15	1	-4.582216653	-1.245347105
2876	ARL13B	10	1	2.272162524	-3.425172292
2877	DHFR2	15	1	-3.55017558	-1.932706796
2878	NSUN3	5	1	0.119938236	-2.70699998
2879	MTRNR2L1	6	1	-2.534232292	-3.50228902

2880	ARL6	4	1	-0.392132554	-1.235980831
2881	CRYBG3	9	1	-0.529490683	-0.582686268
2882	RIOX2	7	1	2.584374276	-1.639278613
2883	CLDND1	14	1	-0.406198773	2.974598683
2884	CPOX	9	1	-0.22649205	0.555199228
2885	T3GAL6-AS	6	1	-1.174955639	-3.028217755
2886	ST3GAL6	1	1	-2.192702207	1.600585021
2887	DCBLD2	11	1	1.577331987	0.162128232
2888	LINC00973	5	1	0.946742621	-2.082143031
2889	COL8A1	3	1	1.205386963	4.096759595
2890	CMSS1	7	1	4.201927748	-1.20303341
2891	FILIP1L	1	1	-0.374727669	2.053399958
2892	TBC1D23	14	1	-0.325986597	2.882506169
2893	NIT2	2	1	4.74166545	0.168058671
2894	TOMM70	11	1	2.268468228	0.274870716
2895	LNP1	20	1	-0.808544371	-4.518038474
2896	TMEM45A	1	1	-2.143452558	3.139508761
2897	TFG	3	1	1.607563582	4.620436944
2898	ABI3BP	8	1	0.528835592	1.533601321
2899	IMPG2	12	1	-2.914166126	-1.862440311
2900	SENP7	1	1	-1.215053472	1.21310351
2901	TRMT10C	2	1	4.307999697	-0.503089927
2902	PCNP	14	1	0.168037799	2.844200887
2903	ZBTB11	8	1	0.021688031	1.236485876
2904	ZBTB11-AS	12	1	-2.198157463	-2.773709499
2905	RPL24	3	1	2.100558606	5.616178311
2906	CEP97	10	1	3.665229884	-3.181272231
2907	NXPE3	9	1	-1.166512522	-0.240359627
2908	NFKBIZ	15	1	-4.05289546	0.822722561
2909	ZPLD1	12	1	-2.730253372	-1.170844995
2910	ALCAM	3	1	2.362509099	2.831535376
2911	CBLB	1	1	-1.050480637	1.700223841
2912	LINC00882	6	1	-1.232445869	-3.69336053
2913	DUBR	6	1	-1.642344031	-3.030477964
2914	AC063944.3	17	1	-4.457491788	3.068317927
2915	LINC01990	12	1	-2.333515081	-2.309267722
2916	BBX	14	1	0.484138605	3.457482137
2917	CD47	14	1	-0.012268394	3.332945145
2918	IFT57	2	1	4.626983252	0.111040689
2919	MYH15	6	1	-0.388527665	-2.952519618
2920	CIP2A	10	1	3.903093663	-3.32780572
2921	DZIP3	5	1	1.025441375	-2.296298944
2922	NECTIN3	11	1	2.58226904	-0.256941341

2923	ZBED2	6	1	-1.142104063	-3.669563972
2924	PLCXD2	5	1	0.327412692	-2.829910718
2925	PHLDB2	8	1	0.099196111	1.95916263
2926	ABHD10	9	1	0.146612559	-0.229443275
2927	TAGLN3	5	1	1.128221121	-2.971713267
2928	C3orf52	11	1	0.804415491	-0.583780967
2929	AC128688.2	9	1	-0.44287959	0.582983501
2930	CD200	14	1	-1.439342412	2.95188073
2931	ATG3	2	1	4.139861193	-0.736479365
2932	SLC35A5	9	1	-0.540199074	-0.52960708
2933	CCDC80	3	1	1.118454543	4.547908582
2934	AC074044.1	20	1	-0.924843761	-4.550537788
2935	GTPBP8	6	1	-0.164295408	-3.384662591
2936	NEPRO	4	1	-0.245765033	-1.51253184
2937	BOC	18	1	-3.274959478	0.890585936
2938	CFAP44	15	1	-3.921085271	-0.699169718
2939	SPICE1	1	1	-2.088146839	2.007135786
2940	USF3	4	1	-0.786062273	-0.821165286
2941	NAA50	11	1	2.281133976	-0.164587222
2942	ATP6V1A	8	1	0.39150491	1.712745107
2943	GRAMD1C	9	1	-0.597689721	0.079106696
2944	CCDC191	15	1	-3.844010982	-1.75792905
2945	QTRT2	7	1	2.041560259	-2.080937349
2946	ZBTB20	1	1	-0.648448977	2.2057238
2947	GAP43	18	1	-3.76593295	1.264359273
2948	LSAMP	15	1	-4.277190122	0.611954562
2949	AC092691.1	15	1	-4.440215978	-0.315874122
2950	B4GALT4	14	1	-0.966920051	2.992293872
2951	ARHGAP31	4	1	-1.291195783	-1.553555809
2952	ARHGAP31-A	2	1	3.28141841	-0.480707668
2953	TMEM39A	14	1	-0.964127812	2.8895512
2954	POGLUT1	6	1	-0.77518085	-3.175754272
2955	TIMMDC1	2	1	4.187294093	0.70747409
2956	ADPRH	12	1	-2.243191633	-1.730189048
2957	POPDC2	12	1	-2.574155006	-1.702997886
2958	COX17	3	1	1.872005668	4.20104865
2959	MAATS1	6	1	-1.104364786	-3.680817329
2960	GSK3B	8	1	1.169492331	0.859933652
2961	AC092910.3	9	1	-0.468979332	0.932887889
2962	GPR156	12	1	-2.317997369	-1.455751263
2963	LRRC58	7	1	1.921685663	-0.376386546
2964	FSTL1	3	1	1.075943914	4.385973252
2965	NDUFB4	3	1	2.637792197	5.080082692

2966	HGD	15	1	-3.950596961	-1.703194343
2967	RABL3	5	1	1.894381967	-2.74364277
2968	GTF2E1	4	1	0.248592552	-0.945345246
2969	STXBP5L	15	1	-4.102665815	-1.83670684
2970	POLQ	10	1	3.439319935	-3.813883029
2971	HCLS1	8	1	0.255009097	0.535304613
2972	GOLGB1	3	1	0.81837776	4.2800918
2973	IQCB1	7	1	2.259656277	-2.497950994
2974	EAF2	6	1	0.310307529	-3.491177522
2975	CSTA	15	1	-3.891869935	0.04917372
2976	CCDC58	7	1	3.005568352	-1.612427317
2977	FAM162A	1	1	-1.999605569	3.257342614
2978	WDR5B	20	1	-1.208709034	-4.291792117
2979	AC083798.2	18	1	-3.240418109	1.627709903
2980	KPNA1	11	1	1.709230152	1.039728619
2981	PARP9	6	1	-0.64372513	-2.999821387
2982	DTX3L	9	1	-0.181128207	0.061841137
2983	PARP14	8	1	0.753751662	1.316061891
2984	HSPBAP1	11	1	0.425887313	-0.428205274
2985	DIRC2	4	1	-1.391784939	-1.500074469
2986	LINC02035	13	1	-2.477073345	-0.433882736
2987	PDIA5	14	1	-0.640268776	3.490807809
2988	SEC22A	9	1	0.253069591	-0.384615503
2989	ADCY5	12	1	-3.226335916	-1.43954166
2990	HACD2	8	1	0.124274184	0.951225795
2991	MYLK-AS1	20	1	-1.341079626	-3.934229098
2992	MYLK	8	1	-0.275017294	1.85963539
2993	CCDC14	11	1	1.445535269	-0.245014452
2994	KALRN	6	1	-1.685203585	-2.797277652
2995	UMPS	7	1	3.677299347	-1.740303003
2996	ITGB5	14	1	-0.233595434	2.653993167
2997	HEG1	1	1	-0.410487327	2.128201999
2998	SLC12A8	15	1	-4.039545927	-0.290961229
2999	ZNF148	8	1	1.173148599	1.37099985
3000	SNX4	7	1	2.588736382	-0.836783253
3001	OSBPL11	5	1	0.920691815	-2.639074765
3002	AC092903.2	1	1	-0.956114504	2.3185542
3003	SLC41A3	4	1	-0.875182423	-1.672088109
3004	KLF15	8	1	0.641064432	0.938529171
3005	ZXDC	4	1	0.056534405	-1.052294098
3006	CHST13	2	1	3.977771607	1.296718992
3007	TXNRD3	4	1	-1.792962226	-0.956729613
3008	CHCHD6	2	1	4.333363143	0.139246247

3009	PLXNA1	4	1	-0.960033509	-1.272966348
3010	TPRA1	1	1	-2.109648618	1.580101646
3011	MCM2	10	1	2.507083264	-4.123916827
3012	PODXL2	6	1	-1.977633867	-2.946491204
3013	ABTB1	1	1	-1.87749258	2.173000254
3014	MGLL	11	1	1.743524399	0.980790712
3015	SEC61A1	3	1	1.065892306	3.963584937
3016	RUVBL1	2	1	4.397512522	-0.693946205
3017	EEFSEC	5	1	1.656745163	-2.931788646
3018	GATA2	10	1	3.70895752	-2.940137111
3019	GATA2-AS1	11	1	1.102278796	-0.549838089
3020	RPN1	14	1	0.532730427	3.740080632
3021	RAB7A	16	1	3.313643065	3.180571355
3022	ACAD9	7	1	2.245891657	-2.109049522
3023	AC108673.2	17	1	-4.76956788	2.615638532
3024	ISY1	2	1	3.703601923	-0.682188355
3025	CNBP	16	1	2.722171155	3.53897766
3026	COPG1	14	1	-0.086608316	2.85277728
3027	HMCES	5	1	1.184345332	-1.672076188
3028	H1FX	16	1	2.865556088	3.530659236
3029	H1FX-AS1	10	1	4.217186537	-3.098631107
3030	MBD4	18	1	-3.804673585	2.11195568
3031	IFT122	5	1	0.902734366	-2.073034488
3032	PLXND1	1	1	-1.250750813	1.64640478
3033	TMCC1	13	1	-2.070109043	-0.503834807
3034	TMCC1-AS1	6	1	-1.684802923	-2.675487243
3035	ALG1L2	1	1	-0.693052325	2.137974418
3036	LINC02021	1	1	-2.399679098	1.951440252
3037	PIK3R4	5	1	1.028425839	-1.924488984
3038	ATP2C1	14	1	-0.101664054	2.635476388
3039	ASTE1	6	1	-0.44773266	-2.880639993
3040	NEK11	12	1	-3.052233133	-2.834613048
3041	NUDT16	2	1	4.366439429	0.202265002
3042	MRPL3	16	1	3.803550091	3.092538394
3043	DNAJC13	11	1	2.12501153	-0.122693084
3044	UBA5	2	1	3.62901887	-0.467889212
3045	NPHP3	1	1	-1.533624086	1.127699591
3046	TMEM108	12	1	-2.182625207	-2.740510427
3047	MEM108-A1	10	1	2.033700672	-3.925493919
3048	CDV3	16	1	2.844554749	3.161914147
3049	TOPBP1	10	1	2.509975997	-3.66547557
3050	SRPRB	2	1	3.117193547	1.045310773
3051	RAB6B	12	1	-2.581677827	-1.86152526

3052	RYK	8	1	0.577878979	2.005605377
3053	LINC02004	1	1	-1.846480164	2.938325919
3054	AC010207.1	17	1	-4.385054025	3.213392295
3055	AMOTL2	14	1	0.555790034	2.472464599
3056	ANAPC13	14	1	0.160415088	2.703233994
3057	CEP63	2	1	3.020473328	-0.355844461
3058	EPHB1	6	1	-0.630060467	-2.671159707
3059	PPP2R3A	5	1	1.43938407	-1.419346534
3060	MSL2	9	1	-0.221788707	0.111030139
3061	PCCB	2	1	3.275023308	-0.154327177
3062	STAG1	7	1	3.17354807	-0.731798373
3063	SLC35G2	9	1	-0.045026298	-0.447312854
3064	NCK1-DT	4	1	0.343192634	-1.072486244
3065	NCK1	14	1	-0.898938331	3.145316638
3066	IL20RB	3	1	1.117944685	2.383383788
3067	DZIP1L	5	1	0.626074102	-1.567804657
3068	DBR1	5	1	1.907132354	-3.101438247
3069	ARMC8	5	1	0.758559611	-1.850666724
3070	NME9	15	1	-4.576256666	-1.042542063
3071	MRAS	12	1	-2.837337646	-1.632708274
3072	ESYT3	6	1	-1.635456833	-2.741285525
3073	CEP70	10	1	4.253840056	-3.172389232
3074	FAIM	6	1	-1.091709885	-3.399403773
3075	PIK3CB	9	1	0.112525214	-0.539312862
3076	FOXL2	17	1	-4.853129301	2.979419507
3077	MRPS22	2	1	4.102031794	-0.022247039
3078	AC024933.1	4	1	-1.41650525	-0.500061296
3079	COPB2	3	1	1.778739062	4.59179572
3080	RBP1	15	1	-3.955416355	-0.196905457
3081	CLSTN2	15	1	-4.054493818	-1.52158209
3082	SLC25A36	14	1	-0.41085327	2.780136622
3083	PXYLP1	9	1	-0.68681297	0.34126535
3084	ZBTB38	8	1	0.927834597	1.872113146
3085	RASA2	9	1	0.411671606	-0.18372079
3086	RNF7	3	1	3.1191605	4.964540757
3087	GRK7	17	1	-4.88186923	3.222029961
3088	ATP1B3	16	1	3.485681143	3.247473754
3089	TFDP2	15	1	-4.054468069	-0.266835056
3090	GK5	1	1	-1.420197401	1.892568148
3091	XRN1	8	1	0.314903375	2.047387518
3092	ATR	5	1	1.606185999	-1.860096894
3093	PLS1	6	1	-0.392430011	-3.298023425
3094	TRPC1	1	1	-1.172225151	1.094064094

3095	PCOLCE2	8	1	1.02271333	0.033463783
3096	PAQR9	6	1	-0.43390623	-2.671891414
3097	PAQR9-AS1	11	1	0.989286449	-0.277139925
3098	U2SURP	16	1	3.461652604	2.832964219
3099	AC026304.1	20	1	-1.212672624	-3.919683658
3100	CHST2	4	1	-0.624642941	-1.841717206
3101	SLC9A9	15	1	-4.465278539	-0.660086118
3102	C3orf58	5	1	0.498116878	-2.450617038
3103	LNCSRRLR	1	1	-1.54871479	2.320573844
3104	PLOD2	3	1	1.023446706	4.323251523
3105	PLSCR4	1	1	-2.486686143	2.649129666
3106	PLSCR1	17	1	-3.347821388	2.742711343
3107	AGTR1	4	1	-0.669318053	-0.703260504
3108	GYG1	8	1	1.616835323	1.352823056
3109	HLTF	7	1	2.900469151	-1.141600095
3110	HPS3	1	1	-1.456009898	2.406733073
3111	CP	1	1	-1.725189719	2.598825969
3112	TM4SF1	14	1	0.543101457	2.860724725
3113	TM4SF4	8	1	0.060191114	0.582016535
3114	WWTR1	12	1	-3.446954879	-2.322958194
3115	COMMD2	2	1	3.243544903	-0.382154666
3116	ANKUB1	17	1	-4.841940317	3.265903987
3117	RNF13	11	1	2.556586113	0.369422111
3118	PFN2	3	1	1.825577107	3.619798459
3119	TSC22D2	8	1	1.140379038	1.212853528
3120	SERP1	3	1	1.640353885	5.140776433
3121	EIF2A	14	1	-0.757572267	3.570109404
3122	SELENOT	5	1	1.038907257	-2.080656491
3123	ERICH6-AS	12	1	-3.048492584	-1.839662992
3124	SIAH2	14	1	-0.359223667	2.443901337
3125	IGSF10	18	1	-3.896221551	1.237274505
3126	AADAC	18	1	-3.788777503	1.050654568
3127	SUCNR1	18	1	-4.240898523	2.192657269
3128	MBNL1	3	1	1.295807686	3.779979743
3129	MBNL1-AS1	13	1	-3.176701221	-0.976544939
3130	P2RY1	6	1	-1.46181384	-3.067435943
3131	RAP2B	11	1	1.150398102	-0.424454116
3132	ARHGEF26	6	1	-0.898538742	-3.813110553
3133	DHX36	2	1	4.015369978	-0.698714338
3134	MME	3	1	0.99854913	4.596425809
3135	MME-AS1	1	1	-1.666516814	2.497021235
3136	PLCH1	18	1	-3.920712385	1.66981367
3137	SLC33A1	1	1	-1.033450398	1.582804121

3138	GMPS	7	1	3.098525849	-1.171109401
3139	SSR3	3	1	1.966245499	4.428204335
3140	TIPARP-AS	15	1	-4.040696535	-0.322329663
3141	TIPARP	12	1	-3.453557882	-2.222216808
3142	LINC00886	12	1	-1.993263158	-1.849358045
3143	LINC02029	6	1	-2.617907676	-3.420718871
3144	LINC00881	17	1	-3.255583677	2.433714427
3145	CCNL1	14	1	-0.847958061	2.654702939
3146	VEPH1	7	1	2.1250945	-0.852466665
3147	PTX3	16	1	3.078235236	3.874786414
3148	PQLC2L	4	1	-1.702658209	-1.631934844
3149	SHOX2	8	1	0.877201643	0.673691846
3150	RSRC1	10	1	3.862732735	-2.516963922
3151	AC106707.1	20	1	-1.411383304	-4.002314292
3152	MLF1	6	1	-0.729921553	-2.574775659
3153	GFM1	7	1	2.23866066	-1.715915643
3154	LXN	2	1	3.569104519	1.61977724
3155	RARRES1	14	1	-1.647998127	3.390040196
3156	MFSD1	4	1	-1.917006764	-1.608397328
3157	AC080013.1	1	1	-1.712665472	1.537126817
3158	QCJ-SCHIP	4	1	-0.162037793	-1.540472232
3159	SCHIP1	4	1	-0.004345342	-1.438244544
3160	IL12A	8	1	0.746495452	0.731892235
3161	C3orf80	18	1	-4.162585172	1.579475678
3162	IFT80	9	1	-1.090469632	-0.480654381
3163	SMC4	10	1	4.17710742	-3.408155643
3164	TRIM59	10	1	4.057417956	-3.229901038
3165	KPNA4	11	1	2.648759213	-0.303898536
3166	PPM1L	19	2	-7.012934598	0.206580095
3167	B3GALNT1	5	1	1.102985945	-3.047649823
3168	NMD3	14	1	-0.004883736	2.366986312
3169	BCHE	13	1	-2.519904527	0.343161981
3170	PDCD10	2	1	4.181477156	-0.448831521
3171	SERPINI1	15	1	-3.604777965	-2.249430381
3172	GOLIM4	3	1	2.196365204	2.308966316
3173	AC092954.1	6	1	-1.302156004	-3.239157163
3174	MECOM	4	1	-0.279697183	-1.296251379
3175	ACTRT3	6	1	-1.756694469	-2.929477178
3176	MYNN	9	1	-1.03909305	0.720417805
3177	LRRC34	10	1	3.18326315	-2.967507325
3178	AC008040.1	10	1	4.446629611	-2.94642707
3179	SEC62	3	1	1.390373316	4.778528489
3180	PHC3	1	1	-0.941445145	1.807240166

3181	PRKCI	14	1	-0.467942211	2.589168586
3182	SKIL	8	1	0.442010817	2.094242014
3183	CLDN11	7	1	2.440310803	-1.447518192
3184	AC026316.5	12	1	-2.839929971	-2.3453395
3185	SLC7A14	8	1	0.492491004	1.027639366
3186	RPL22L1	16	1	3.611156788	3.435089625
3187	EIF5A2	11	1	1.262130585	-0.037082218
3188	TNIK	11	1	0.485576805	-1.264923059
3189	AC092919.1	12	1	-2.418482217	-2.305839025
3190	PLD1	17	1	-3.289231214	2.575823821
3191	FNDC3B	14	1	0.266540643	3.905225076
3192	TNFSF10	19	2	-6.954433832	0.572935708
3193	NCEH1	7	1	2.26874074	-1.289598428
3194	ECT2	10	1	4.367569533	-3.506480895
3195	NLGN1	8	1	0.913469401	0.610183678
3196	NAALADL2	13	1	-2.718892965	0.118609614
3197	NAALADL2-A	11	1	0.905187693	-1.059800826
3198	TBL1XR1	8	1	1.474138942	1.203629292
3199	LINC00501	4	1	-1.458317074	-0.597633384
3200	LINC00578	12	1	-2.413327369	-1.625466548
3201	LINC02015	12	1	-3.175106439	-1.851599179
3202	ZMAT3	13	1	-2.477553758	-0.629305802
3203	PIK3CA	8	1	-0.065169762	1.009085394
3204	KCNMB3	9	1	-1.086077127	-0.252697371
3205	ZNF639	7	1	2.351299611	-0.620790266
3206	AC007823.1	1	1	-1.636294994	0.993269183
3207	MFN1	11	1	2.112290469	0.091267504
3208	GNB4	11	1	1.88647398	0.55849006
3209	ACTL6A	7	1	4.073141661	-1.22098919
3210	MRPL47	2	1	4.616506663	-0.357893788
3211	NDUFB5	3	1	1.873625007	5.283393658
3212	USP13	7	1	2.890636292	-2.35926529
3213	TTC14	1	1	-0.221386853	2.091196336
3214	FXR1	3	1	1.404070344	4.337280549
3215	DNAJC19	2	1	4.658843604	0.519895203
3216	ATP11B	8	1	0.225029823	1.149269499
3217	DCUN1D1	8	1	0.783857492	1.33527378
3218	MCCC1	5	1	-0.069281969	-2.568666421
3219	B3GNT5	9	1	0.280694273	-0.302436255
3220	KLHL24	1	1	-1.642349634	2.817603625
3221	YEATS2	1	1	-0.880281898	1.856963195
3222	PARL	2	1	4.234960166	0.015274174
3223	ABCC5	12	1	-1.898357305	-1.931205712

3224	AC131235.3	20	1	-1.158989105	-4.327835761
3225	EIF2B5	7	1	2.089301196	-2.33352419
3226	DVL3	9	1	-1.313518795	0.337637581
3227	AP2M1	3	1	2.471184817	5.009278096
3228	ABCF3	4	1	-0.331785563	-1.901509486
3229	ALG3	2	1	3.715191689	1.450225748
3230	EIF1AKMT	12	1	-2.793245468	-2.453802072
3231	CAMK2N2	12	1	-2.258168373	-2.33971759
3232	PSMD2	16	1	3.194281903	3.176737822
3233	EIF4G1	3	1	2.66581997	2.68369583
3234	FAM131A	8	1	0.424410996	-0.003469669
3235	POLR2H	2	1	4.081738081	-0.395206116
3236	CHRD	13	1	-2.389755163	-0.589393459
3237	EPHB3	18	1	-3.115077648	0.930917419
3238	MAGEF1	2	1	3.86440691	0.444746986
3239	AC107294.2	15	1	-4.018752965	-1.085262023
3240	VPS8	9	1	-1.031355295	-0.431165956
3241	C3orf70	12	1	-2.759623203	-1.404136025
3242	EHHADH	4	1	-0.05478866	-1.169545375
3243	MAP3K13	2	1	4.204583731	0.788575358
3244	TMEM41A	5	1	0.993841079	-1.855353795
3245	SENP2	4	1	0.023965334	-1.556206547
3246	IGF2BP2	3	1	1.638379183	3.191024579
3247	TRA2B	7	1	3.11573371	-0.678779803
3248	ETV5	4	1	0.358659711	-1.582483851
3249	DGKG	6	1	-1.10359517	-3.555049144
3250	TBCCD1	5	1	-0.010997902	-2.530096017
3251	DNAJB11	2	1	3.724273053	-0.234170042
3252	AC112907.3	20	1	-0.85970268	-4.590932094
3253	EIF4A2	3	1	1.132381883	4.346872367
3254	RFC4	10	1	2.789765444	-3.79161378
3255	ST6GAL1	8	1	0.531796303	0.225799359
3256	RPL39L	10	1	4.073874083	-2.448686324
3257	RTP1	12	1	-1.827888522	-2.041808568
3258	MASP1	18	1	-3.128961477	2.125583328
3259	AC007920.2	18	1	-2.889874372	2.110202826
3260	RTP4	17	1	-3.887157115	2.531842746
3261	BCL6	1	1	-1.775486264	1.827773131
3262	LINC01991	15	1	-4.632917318	-0.252261006
3263	LPP-AS2	6	1	-1.421236786	-3.332395517
3264	LPP	3	1	1.311352935	3.931212224
3265	TPRG1-AS1	6	1	-0.979481253	-3.794956409
3266	TPRG1	15	1	-4.578074369	-1.398300372

3267	P3H2	1	1	-1.251288328	2.08300773
3268	CLDN1	8	1	0.636517969	0.72828225
3269	IL1RAP	1	1	-2.072803173	2.064131178
3270	OSTN	6	1	-2.628905448	-3.400510989
3271	OSTN-AS1	6	1	-2.293008241	-2.97882291
3272	UTS2B	12	1	-2.949107084	-1.560372196
3273	CCDC50	3	1	2.49876484	2.574048079
3274	AC073365.1	12	1	-2.716449413	-2.046971761
3275	MB21D2	5	1	0.900518206	-1.567298614
3276	HRASLS	15	1	-4.249527368	-1.215501152
3277	OPA1	11	1	2.023308721	0.17089086
3278	AC080129.2	9	1	-1.38721827	0.485640906
3279	HES1	15	1	-4.098221693	-1.35431584
3280	LRRC15	17	1	-2.852415952	2.91658286
3281	ATP13A3	14	1	-0.359874341	2.819575824
3282	LINC00884	13	1	-3.048718605	0.041696436
3283	MEM44-AS	6	1	-1.992388877	-3.161550485
3284	TMEM44	9	1	-1.484296712	0.197184257
3285	AC046143.1	12	1	-2.224913034	-2.493625842
3286	LSG1	7	1	2.426659432	-1.824341975
3287	FAM43A	12	1	-3.104113731	-1.897094213
3288	XXYL1T1	6	1	-1.577686581	-3.012196027
3289	ACAP2	8	1	1.045856681	1.361683167
3290	PPP1R2	11	1	2.953487244	-0.01708635
3291	AC233280.1	18	1	-3.395987663	1.592695989
3292	MUC20-OT	1	1	-1.457303438	2.838286437
3293	MUC20	17	1	-4.713337335	3.185492791
3294	MUC4	12	1	-2.597698364	-1.35655161
3295	TNK2	4	1	-0.748956236	-1.036697231
3296	TFRC	7	1	3.170923319	-0.85667368
3297	PCYT1A	7	1	2.069175568	-0.506064914
3298	TCTEX1D2	5	1	1.904376116	-2.825783454
3299	UBXN7	14	1	-0.340255204	2.417840756
3300	RNF168	7	1	2.246273604	-1.575043164
3301	WDR53	5	1	1.190682021	-3.013012849
3302	FBXO45	5	1	2.300335732	-2.906129085
3303	PIGX	5	1	2.258394566	-2.948253356
3304	CEP19	15	1	-3.587560329	-2.285078965
3305	PAK2	16	1	2.616872159	2.922579564
3306	SEN5P	8	1	0.424027738	2.140999116
3307	NCBP2	3	1	1.224568573	2.050946869
3308	NCBP2-AS2	2	1	4.428538409	0.314270444
3309	PIGZ	12	1	-2.831148061	-1.546536289

3310	MELTF	13	1	-2.786260757	-0.550848745
3311	MELTF-AS	13	1	-2.145604524	0.523267247
3312	DLG1	8	1	1.077600565	1.566039242
3313	BDH1	5	1	2.171697941	-3.026653253
3314	RUBCN	4	1	-0.685789439	-1.402438842
3315	FYTTD1	8	1	1.391710725	0.871681399
3316	LRCH3	9	1	0.056268158	0.230335615
3317	IQCG	12	1	-3.206226739	-1.650089227
3318	RPL35A	3	1	2.284473982	5.595610417
3319	LMLN	6	1	-1.059602413	-2.123175346
3320	ZNF595	11	1	0.444265512	-0.655943953
3321	ZNF718	5	1	1.592506733	-3.371185981
3322	ZNF732	10	1	2.557123509	-3.792342387
3323	ZNF141	1	1	-1.251625452	1.344859279
3324	ZNF721	1	1	-0.477040622	1.351375438
3325	PIGG	4	1	-1.177900347	-0.915396176
3326	ATP5ME	3	1	1.63450202	4.998358048
3327	MYL5	15	1	-3.505405817	-1.160932504
3328	SLC49A3	15	1	-3.894810113	-1.882456504
3329	PCGF3	9	1	-0.851225409	-0.269007765
3330	AC139887.2	1	1	-1.610472116	2.519846
3331	GAK	11	1	1.210201469	-0.395021402
3332	TMEM175	12	1	-3.331465873	-1.24541875
3333	DGKQ	4	1	-1.083525214	-1.707255565
3334	IDUA	13	1	-3.313475284	-0.400904857
3335	FGFRL1	7	1	1.774432745	-0.862731062
3336	RNF212	13	1	-3.717981491	-0.233678781
3337	SPON2	18	1	-3.425959978	1.869352497
3338	CTBP1	11	1	1.672330108	0.035494692
3339	CTBP1-DT	6	1	-1.276249561	-3.030775033
3340	MAEA	2	1	3.875201073	-0.399555348
3341	UVSSA	1	1	-1.243887338	1.044084467
3342	AC147067.1	13	1	-3.126546058	-0.63581761
3343	FAM53A	5	1	0.454861757	-2.142929755
3344	SLBP	10	1	2.588557568	-3.945525371
3345	AC016773.1	20	1	-0.951357696	-4.215813838
3346	TMEM129	4	1	-1.413481745	-0.409085475
3347	TACC3	10	1	4.446270075	-3.563039027
3348	FGFR3	10	1	1.967875686	-4.260472022
3349	LETM1	7	1	2.247099247	-1.26511892
3350	NSD2	10	1	3.631015387	-2.518968784
3351	NELFA	11	1	0.845123497	-0.992557846
3352	C4orf48	3	1	2.988263693	4.981780804

3353	POLN	13	1	-2.608795318	-0.781815969
3354	HAUS3	5	1	2.244544592	-3.164579116
3355	MXD4	15	1	-3.601908597	-0.901867591
3356	ZFYVE28	12	1	-3.29127017	-1.934274636
3357	RNF4	7	1	2.22985014	-1.365997039
3358	FAM193A	5	1	0.687359479	-1.560021483
3359	TNIP2	2	1	2.968563405	0.494747296
3360	SH3BP2	4	1	0.04283754	-1.104720913
3361	ADD1	11	1	2.279580918	0.174828373
3362	MFSD10	2	1	4.088481989	1.093274154
3363	NOP14-AS1	6	1	-1.708494577	-2.49107834
3364	NOP14	7	1	3.130813208	-0.769572221
3365	GRK4	6	1	-1.147288475	-1.841633521
3366	HTT	7	1	1.56347343	-0.981077515
3367	RGS12	5	1	1.004500058	-1.848925792
3368	LRPAP1	3	1	2.099294272	4.986067571
3369	ADRA2C	12	1	-2.684977445	-2.304520808
3370	TMEM128	9	1	-0.268951777	0.107835121
3371	LYAR	7	1	3.879435149	-1.470962487
3372	ZBTB49	4	1	-0.163325045	-0.72717055
3373	NSG1	12	1	-2.510490808	-2.84353634
3374	STX18	2	1	3.592117157	-0.641950689
3375	STX18-AS1	9	1	-0.686629865	-0.037851684
3376	MSX1	11	1	0.792490867	-1.215678416
3377	CYTL1	12	1	-3.16438404	-2.338364326
3378	STK32B	6	1	-1.051649723	-3.6354272
3379	EVC2	9	1	-0.154565352	0.299344681
3380	EVC	9	1	-0.709287736	-0.212999664
3381	CRMP1	6	1	-1.81426433	-2.945599281
3382	WFS1	13	1	-2.327675971	-0.644190274
3383	MAN2B2	13	1	-2.066840085	0.148031793
3384	MRFAP1	16	1	2.982810822	3.794005908
3385	LINC02482	12	1	-3.030988368	-1.316012822
3386	AC093323.1	9	1	-0.286224875	-0.443131827
3387	MRFAP1L1	7	1	1.830767003	-1.013883673
3388	BLOC1S4	2	1	4.119928446	0.697415776
3389	KIAA0232	7	1	1.85928401	-0.432300352
3390	TBC1D14	4	1	-0.036333363	-1.108284794
3391	CCDC96	6	1	-1.049997363	-3.281972371
3392	TADA2B	4	1	-0.815883252	-1.547831141
3393	GRPEL1	7	1	4.135711279	-0.951154076
3394	LINC02447	13	1	-3.306199703	-0.509234451
3395	SORCS2	15	1	-4.617240343	-1.308379494

3396	AFAP1-AS1	8	1	0.182386172	0.881652511
3397	AFAP1	8	1	1.068501916	1.134877898
3398	SH3TC1	6	1	-1.287120375	-1.861829959
3399	HTRA3	17	1	-3.243883523	2.502878941
3400	AC104825.1	12	1	-3.343137416	-1.12250372
3401	ACOX3	4	1	-1.927178654	-1.565171086
3402	TRMT44	4	1	-0.208572167	-1.715783082
3403	CPZ	1	1	-2.540845785	2.645244635
3404	SLC2A9	13	1	-3.256533298	-0.733742081
3405	WDR1	3	1	2.174217072	3.658082761
3406	ZNF518B	4	1	0.050334741	-1.100970231
3407	CLNK	1	1	-2.340462121	1.85595373
3408	HS3ST1	15	1	-4.617466363	-1.041479789
3409	RAB28	5	1	0.713624564	-1.654461824
3410	NKX3-2	17	1	-4.305172357	3.012833871
3411	LINC01096	8	1	0.833920148	0.703247286
3412	BOD1L1	3	1	2.34144744	2.724460162
3413	CPEB2	1	1	-1.198107872	1.097596623
3414	C1QTNF7	15	1	-4.202433023	0.474079937
3415	CC2D2A	15	1	-3.901946697	-1.345577918
3416	FBXL5	14	1	-0.933502349	2.731120385
3417	FAM200B	15	1	-3.680620107	-0.950256668
3418	BST1	12	1	-2.929266843	-1.200749718
3419	CD38	19	2	-6.485458765	0.157979451
3420	TAPT1	9	1	0.000402149	-0.272935651
3421	LDB2	6	1	-2.096822414	-3.179217302
3422	QDPR	2	1	4.282987204	-0.095874541
3423	LAP3	2	1	4.243053046	-0.519338273
3424	MED28	2	1	3.248945799	0.145205088
3425	DCAF16	9	1	-0.072215791	-0.457565211
3426	NCAPG	10	1	4.039490786	-3.576281034
3427	LCORL	10	1	4.076312151	-2.949732028
3428	SLIT2	7	1	2.14233121	-2.279668056
3429	PACRGL	4	1	0.369657215	-1.249867521
3430	ADGRA3	5	1	1.01560047	-1.779649221
3431	DHX15	7	1	2.845146742	-0.955725752
3432	SOD3	15	1	-4.430815134	-0.710375749
3433	CCDC149	1	1	-1.881955895	1.93291787
3434	SEPSECS	9	1	-0.361337307	-0.120851927
3435	EPSECS-AS	6	1	-1.069591555	-2.457116805
3436	PI4K2B	5	1	1.464885321	-2.254138909
3437	ZCCHC4	9	1	0.278105152	-0.115751647
3438	ANAPC4	5	1	0.917170969	-2.5941002

3439	SEL1L3	14	1	-0.161947566	3.045100488
3440	SMIM20	2	1	3.387025443	1.246126331
3441	RBPJ	14	1	-0.422358218	3.302927054
3442	TBC1D19	15	1	-3.48203412	-1.096643888
3443	STIM2	5	1	0.600383547	-2.423969709
3444	AC109588.1	8	1	0.54207572	1.274123467
3445	AC097480.1	1	1	-1.162541422	1.993500985
3446	AC068944.1	1	1	-1.512938294	2.573980607
3447	PCDH7	15	1	-4.12845889	0.060433753
3448	ARAP2	5	1	0.197202188	-2.409766637
3449	RELL1	11	1	0.426605877	-0.57380762
3450	PGM2	7	1	3.19125947	-1.158584915
3451	TBC1D1	8	1	1.081668582	0.960225262
3452	KLF3	1	1	-2.374380025	3.032219209
3453	TLR1	19	2	-7.065665636	0.175632633
3454	TLR6	18	1	-3.814039382	1.276578285
3455	FAM114A1	3	1	1.340954628	4.796382703
3456	TMEM156	17	1	-3.949041757	2.937009848
3457	KLHL5	3	1	0.81469616	2.27602414
3458	WDR19	4	1	-1.478838477	-0.52618035
3459	RFC1	3	1	1.613945809	3.940311946
3460	RPL9	3	1	1.837576118	5.425712384
3461	LIAS	11	1	0.806188252	-1.24724146
3462	UGDH	7	1	3.147676793	-0.676435672
3463	SMIM14	14	1	-0.807555768	3.840495147
3464	UBE2K	3	1	1.752150145	2.613292493
3465	PDS5A	11	1	1.96764597	0.325566958
3466	N4BP2	11	1	0.472442892	-0.501097284
3467	LINC02265	15	1	-3.835728559	-1.133442961
3468	RBM47	18	1	-3.790384683	1.341339387
3469	APBB2	8	1	0.427303252	1.854603566
3470	UCHL1	3	1	1.984815684	4.52307681
3471	LIMCH1	14	1	-0.792334351	2.508410491
3472	TMEM33	11	1	1.721934643	-0.217897378
3473	DCAF4L1	17	1	-4.721942338	3.162913121
3474	AC106052.1	1	1	-2.046520147	0.918832578
3475	SLC30A9	11	1	2.350447979	-0.304200016
3476	SHISA3	7	1	2.671025839	-2.319580756
3477	ATP8A1	4	1	-0.437712166	-1.404905759
3478	GUF1	7	1	2.002820221	-1.702003442
3479	GNPDA2	7	1	1.869399515	-1.144249164
3480	COMMD8	2	1	3.550850716	-0.423331104
3481	ATP10D	8	1	-0.210150647	1.370200135

3482	NFXL1	1	1	-1.047557148	1.563307084
3483	NIPAL1	5	1	-0.153708252	-2.594098769
3484	TEC	19	2	-7.275401506	0.285664335
3485	SLAIN2	11	1	2.253437605	0.117200084
3486	FRYL	7	1	2.167833891	-0.904749356
3487	OCIAD1	16	1	3.644531336	4.103912629
3488	OCIAD2	8	1	0.688306537	1.387454547
3489	DCUN1D4	7	1	1.81468865	-0.42591437
3490	SGCB	14	1	-0.630849692	3.654545821
3491	SPATA18	12	1	-2.88502017	-1.052445136
3492	USP46	2	1	3.142945138	-0.504448615
3493	USP46-AS1	6	1	-1.492474946	-3.138369762
3494	RVMER34	10	1	2.002919403	-4.231796943
3495	SCFD2	5	1	0.124507312	-2.802648269
3496	FIP1L1	7	1	2.635393944	-0.665495835
3497	LNK1	15	1	-4.563896093	-0.146254264
3498	CHIC2	11	1	2.654712525	0.397631498
3499	PDGFRA	17	1	-3.374641809	2.454615868
3500	KIT	12	1	-3.014514598	-2.87120267
3501	KDR	15	1	-4.568264398	-1.220444761
3502	SRD5A3	15	1	-3.576544675	-1.092035018
3503	TMEM165	3	1	0.934244302	4.676466264
3504	CLOCK	7	1	2.052795735	-0.979623996
3505	AC024243.1	20	1	-1.001097354	-4.178227626
3506	NMU	20	1	-0.976578745	-4.494027816
3507	EXOC1	14	1	-0.073807258	2.262709416
3508	CEP135	10	1	3.247886506	-3.475424253
3509	AASDH	9	1	-0.718387696	0.050173349
3510	AC068620.1	20	1	-1.395668063	-3.901719772
3511	PPAT	7	1	2.497098055	-1.936779224
3512	PAICS	7	1	4.100866404	-1.327478253
3513	SRP72	16	1	3.150842276	3.480444707
3514	ARL9	6	1	0.005084333	-3.488596641
3515	HOPX	8	1	0.572551337	1.028499163
3516	REST	11	1	2.598585215	-0.335102104
3517	NOA1	1	1	-1.684369835	2.976738013
3518	POLR2B	7	1	3.040091601	-1.035093628
3519	IGFBP7	3	1	2.071497527	5.072034634
3520	GFBP7-AS	12	1	-3.043985757	-1.271550857
3521	ADGRL3	15	1	-4.488371286	-1.555986367
3522	EPHA5	6	1	-1.417869124	-3.470477306
3523	CENPC	10	1	3.270938006	-3.204346381
3524	UBA6	8	1	0.87248632	1.681731261

3525	UBA6-AS1	6	1	-1.880022439	-2.342867576
3526	YTHDC1	8	1	1.390102354	1.283938564
3527	AC021146.1	12	1	-2.249408874	-1.678215228
3528	SULT1B1	6	1	-0.304656658	-2.60871049
3529	AC108941.2	12	1	-2.63837615	-2.085814201
3530	SULT1E1	12	1	-2.650783929	-2.341902219
3531	FDCSP	17	1	-3.352390441	2.508206166
3532	ENAM	8	1	0.582056847	0.559332557
3533	JCHAIN	13	1	-3.117338094	-0.615554773
3534	UTP3	7	1	3.212318507	-1.161138736
3535	AC009570.1	20	1	-0.906489763	-4.215396606
3536	RUFY3	8	1	-0.100716907	1.797491945
3537	GRSF1	11	1	2.347979632	0.304209456
3538	MOB1B	9	1	-0.376365844	0.244500719
3539	DCK	10	1	2.742117253	-3.104931317
3540	SLC4A4	1	1	-2.250853452	1.775473036
3541	ADAMTS3	6	1	-1.766684446	-2.731583797
3542	COX18	9	1	-0.165189254	-0.205948077
3543	ANKRD17	11	1	1.793040958	0.234259821
3544	AFP	12	1	-2.145387325	-2.478447877
3545	RASSF6	1	1	-2.503496561	2.101926602
3546	CXCL8	17	1	-3.535962734	2.911235608
3547	CXCL6	17	1	-3.388662252	2.744898833
3548	PF4V1	17	1	-3.336663875	2.447146691
3549	CXCL1	17	1	-3.456085834	2.706903495
3550	CXCL5	17	1	-3.414772186	2.776955403
3551	CXCL3	17	1	-3.647535476	2.863650597
3552	CXCL2	17	1	-3.748559389	2.373324908
3553	MTHFD2L	6	1	-0.185736868	-3.400030337
3554	AC093677.2	6	1	-2.265949401	-3.819008552
3555	EPGN	15	1	-3.63464466	-1.708748542
3556	AREG	11	1	1.122963634	-1.23737558
3557	PARM1	15	1	-4.467586431	-1.60147246
3558	RCHY1	6	1	-0.281142536	-3.035841428
3559	THAP6	1	1	-1.538480553	0.664471693
3560	ODAPH	6	1	-1.550461802	-3.321465217
3561	CDKL2	13	1	-2.55887166	0.343381043
3562	G3BP2	3	1	2.028321829	3.511017836
3563	USO1	3	1	0.804263142	4.053334273
3564	NAAA	12	1	-1.827791724	-2.076444827
3565	SDAD1	2	1	3.836605635	-0.570837103
3566	ART3	15	1	-4.178461942	0.461021602
3567	NUP54	7	1	2.81780037	-1.789785348

3568	SCARB2	3	1	0.770288435	4.228011168
3569	SHROOM3	8	1	0.168888104	1.424559869
3570	SEPT11	3	1	2.196586457	3.46018485
3571	CCNI	3	1	1.486296979	5.045276917
3572	CCNG2	1	1	-2.204044017	2.687634505
3573	CNOT6L	1	1	-0.542505655	1.388050593
3574	MRPL1	2	1	4.335906115	-0.827821098
3575	FRAS1	15	1	-3.659619007	-2.253543817
3576	ANXA3	6	1	-1.565082941	-2.600391589
3577	LINC01094	15	1	-3.461310062	-1.822124683
3578	AC098818.2	6	1	-2.33975831	-3.74364873
3579	BMP2K	11	1	0.934409645	-1.164345347
3580	PAQR3	4	1	0.23409186	-0.911453568
3581	LINC01088	15	1	-3.991124067	-1.713473045
3582	ANTXR2	11	1	1.399494019	0.413072802
3583	PRDM8	11	1	0.406358477	-0.462464772
3584	FGF5	8	1	1.104632464	0.545709766
3585	RASGEF1B	19	2	-7.438002023	0.259996794
3586	HNRNPD	16	1	3.422688332	2.801702298
3587	AC124016.1	5	1	0.632685926	-2.636844598
3588	HNRNPDI	16	1	2.876064387	3.452831782
3589	ENOPH1	7	1	3.448287812	-1.332821332
3590	SCD5	4	1	-2.221347961	-1.255460464
3591	SEC31A	3	1	0.91058543	4.434321202
3592	THAP9-AS1	18	1	-3.617707881	1.547816194
3593	THAP9	1	1	-1.231777224	1.012736834
3594	LIN54	5	1	1.396247354	-2.69049307
3595	COPS4	2	1	3.700576392	-0.414475464
3596	COQ2	7	1	2.954153147	-2.817108356
3597	HELQ	6	1	-1.225551519	-2.937761508
3598	MRPS18C	2	1	4.739542094	0.365099404
3599	ABRAXAS1	15	1	-3.913537893	-1.675448619
3600	WDFY3	9	1	-0.686829302	-0.101709359
3601	ARHGAP24	13	1	-2.394868288	0.463947378
3602	MAPK10	15	1	-4.281263742	-1.460194551
3603	PTPN13	13	1	-2.988607797	-0.191969715
3604	AC093827.5	19	2	-6.979422483	0.217445724
3605	AC093827.4	4	1	-1.666668925	-0.453129195
3606	AFF1	1	1	-0.850015614	1.257524587
3607	KLHL8	8	1	0.676696864	0.000218697
3608	HSD17B11	1	1	-1.959128174	2.121077932
3609	NUDT9	2	1	3.334611025	-0.526247286
3610	SPP1	19	2	-6.942364606	0.218410916

3611	PKD2	8	1	0.984929886	1.185048319
3612	ABCG2	6	1	-1.045049581	-3.746212207
3613	PPM1K	1	1	-1.505884561	0.569027282
3614	HERC6	4	1	-1.41640285	-1.449393474
3615	HERC5	17	1	-4.854337606	3.227872886
3616	PYURF	2	1	4.541296568	0.339388232
3617	HERC3	9	1	-0.260026547	-0.092184387
3618	NAP1L5	6	1	-1.224869761	-2.900927745
3619	FAM13A	18	1	-2.815141592	2.114285148
3620	TIGD2	13	1	-2.59439126	0.646957941
3621	GPRIN3	19	2	-6.440342817	0.02633179
3622	AC097478.1	12	1	-2.94130269	-2.102339231
3623	SNCA	13	1	-2.391331586	0.346682716
3624	GRID2	6	1	-1.793494615	-3.56670519
3625	SMARCD1	7	1	2.632450429	-0.6315616
3626	PDLIM5	3	1	1.364114371	3.835894622
3627	AC108067.1	12	1	-2.499704036	-2.887068235
3628	AC019077.1	12	1	-3.261068496	-1.785456144
3629	RAP1GDS1	8	1	1.268945661	1.688446201
3630	TSPAN5	5	1	-0.35651556	-2.481256925
3631	EIF4E	7	1	3.240922299	-1.094892107
3632	METAP1	3	1	1.084074584	2.260674752
3633	ADH5	3	1	2.411496964	4.384372033
3634	AP002026.1	6	1	-1.776801857	-3.329434596
3635	TRMT10A	9	1	-0.61757246	-0.437947475
3636	LAMTOR3	4	1	-0.370299134	-0.703307711
3637	DNAJB14	8	1	0.44226971	2.118296064
3638	H2AFZ	16	1	3.523669568	3.18210987
3639	AC097460.1	12	1	-2.795982751	-1.409329258
3640	DDIT4L	5	1	1.668718782	-2.076794826
3641	PPP3CA	8	1	0.642405656	1.823084749
3642	AP001816.1	13	1	-3.137565288	-0.127287649
3643	BANK1	12	1	-3.316471729	-2.223323308
3644	SLC39A8	4	1	-1.2737923	-1.492316686
3645	AC098487.1	15	1	-3.819153223	-1.165444337
3646	NFKB1	8	1	1.047802415	1.070936061
3647	MANBA	1	1	-1.531741294	1.471352137
3648	UBE2D3	3	1	1.694257942	4.535790242
3649	AC018797.2	6	1	-1.578601512	-2.765333854
3650	CISD2	7	1	3.784618464	-1.112814628
3651	SLC9B2	5	1	0.727574137	-2.81952902
3652	BDH2	15	1	-3.662762079	-0.923655592
3653	CENPE	10	1	4.57512435	-3.215495311

3654	TET2	9	1	-0.337129536	-0.43022909
3655	PPA2	14	1	0.430709866	2.955184974
3656	INTS12	5	1	1.423141447	-2.48746749
3657	GSTCD	10	1	2.804172841	-3.272519313
3658	TBCK	4	1	-1.270291123	-0.519122742
3659	AIMP1	3	1	2.387643185	4.132905997
3660	DKK2	6	1	-2.533488664	-3.110468351
3661	PAPSS1	11	1	1.951252666	0.891809918
3662	SGMS2	4	1	-1.213182363	-0.813165389
3663	CYP2U1	8	1	0.156584416	0.934788979
3664	HADH	14	1	0.575683501	2.790425099
3665	RPL34	3	1	1.852516261	5.332028188
3666	OSTC	3	1	1.473387328	5.037807263
3667	COL25A1	13	1	-2.509159717	-0.18170806
3668	ZCCHC23	12	1	-2.779464159	-2.217563354
3669	SEC24B-AS1	20	1	-1.415230069	-3.973478995
3670	SEC24B	9	1	-0.870126757	0.532006554
3671	MCUB	7	1	2.366987315	-0.935531818
3672	CASP6	7	1	2.087023345	-2.488288366
3673	AC004067.1	2	1	3.954990235	0.484574772
3674	PLA2G12A	12	1	-1.883425745	-1.765141927
3675	CFI	15	1	-4.548772249	-0.347158633
3676	GAR1	7	1	3.88578209	-1.171059452
3677	EGF	13	1	-2.748818311	-0.741121136
3678	ELOVL6	7	1	3.229845133	-1.116665445
3679	ENPEP	13	1	-2.518608484	0.09308929
3680	AC098798.1	15	1	-4.101873788	-1.920477592
3681	PANCR	15	1	-4.173777494	-1.67084571
3682	PITX2	15	1	-4.05078021	-2.093588315
3683	FAM241A	3	1	1.123877492	2.27280239
3684	AP1AR	11	1	0.583965745	-0.166563176
3685	TIFA	8	1	-0.240735087	1.753790654
3686	ALPK1	1	1	-2.433462772	1.797535576
3687	ZGRF1	10	1	2.839621153	-3.993400298
3688	LARP7	2	1	4.14499816	-0.542477988
3689	ANK2	4	1	-2.118511829	-0.863048159
3690	CAMK2D	8	1	-0.05523524	1.684708155
3691	ARSJ	8	1	1.268178788	0.840376116
3692	TRAM1L1	6	1	-1.429257426	-2.645731889
3693	NDST3	6	1	-2.767311964	-3.302249871
3694	SNHG8	3	1	1.649218407	5.284763135
3695	PRSS12	15	1	-4.219724569	0.046699561
3696	METTL14	1	1	-0.711792442	1.258463062

3697	SEC24D	3	1	0.732930568	4.078255214
3698	SYNPO2	14	1	-0.819738183	2.488813676
3699	MYOZ2	8	1	0.140849677	0.775797136
3700	USP53	8	1	0.573087421	1.471714891
3701	C4orf3	3	1	1.504058924	5.024198808
3702	PDE5A	8	1	-0.338618729	1.653228797
3703	MAD2L1	10	1	4.003497925	-3.162817918
3704	PRDM5	4	1	0.06228097	-1.344518624
3705	NDNF	1	1	-1.890425596	3.047513522
3706	TNIP3	8	1	0.401745048	0.913371421
3707	ANXA5	3	1	2.078755942	4.592335976
3708	TMEM155	1	1	-2.785071525	2.231254495
3709	EXOSC9	10	1	2.900774804	-3.634648048
3710	CCNA2	10	1	4.41236743	-3.475554906
3711	BBS7	2	1	3.527775851	-0.736032449
3712	TRPC3	6	1	-1.725040111	-3.271250449
3713	KIAA1109	14	1	-0.079052176	2.274834312
3714	IL2	15	1	-3.588269147	-2.148092948
3715	IL21-AS1	15	1	-4.225701723	-1.852889739
3716	BBS12	13	1	-2.251591835	0.484413072
3717	FGF2	3	1	1.280391899	4.476682462
3718	AC021205.3	1	1	-1.248407993	2.420051373
3719	NUDT6	10	1	3.175134984	-3.076431714
3720	SPATA5	10	1	3.226690617	-3.364492856
3721	SPRY1	15	1	-4.610904607	-0.891190253
3722	LINC01091	15	1	-4.048539552	-1.731756173
3723	ANKRD50	14	1	-0.498212311	2.536701478
3724	FAT4	1	1	-1.484887037	0.815879352
3725	INTU	1	1	-0.965670499	2.345046438
3726	HSPA4L	5	1	0.456825015	-1.94118353
3727	PLK4	10	1	3.548660841	-3.786895476
3728	MFSD8	9	1	-0.376752201	0.164345406
3729	ABHD18	1	1	-0.942320082	1.291324772
3730	LARP1B	3	1	1.003251222	2.552318133
3731	PGRMC2	14	1	-0.042507473	2.534677543
3732	AC108062.1	12	1	-3.397385749	-1.49765297
3733	AC078850.1	13	1	-2.322061214	-0.760997616
3734	JADE1	11	1	1.319041815	-0.469846986
3735	SCLT1	10	1	4.335201827	-3.178191148
3736	C4orf33	6	1	-0.580444607	-3.314242088
3737	AC105383.1	18	1	-3.345472249	0.695321031
3738	PCDH10	15	1	-3.732767734	0.356428407
3739	AC079380.1	18	1	-3.269575271	1.284324564

3740	PABPC4L	18	1	-3.737847719	0.681274481
3741	LINC02511	15	1	-4.067589197	-1.895331823
3742	PCDH18	15	1	-4.549887094	-0.826763831
3743	SLC7A11	3	1	1.447349158	2.680206097
3744	NOCT	5	1	-0.253080431	-2.414525472
3745	ELF2	8	1	-0.157464776	1.890273846
3746	MGARP	1	1	-0.897349927	2.146629728
3747	NDUFC1	3	1	2.841651049	4.978846825
3748	NAA15	7	1	3.287157622	-1.138527952
3749	AC097376.2	9	1	-1.419009599	0.408320453
3750	RAB33B	1	1	-1.181364688	1.306405045
3751	SETD7	8	1	0.522005138	2.093165077
3752	MGST2	15	1	-3.90809885	0.185755633
3753	MAML3	18	1	-3.813361558	2.06724409
3754	SCOC	8	1	0.519844201	2.366621889
3755	SCOC-AS1	6	1	-1.264038476	-3.391781055
3756	CLGN	11	1	1.024704125	-0.707476936
3757	ELMOD2	14	1	-0.473339769	2.901485957
3758	TBC1D9	9	1	-0.669325683	0.03456784
3759	RNF150	1	1	-1.49070898	1.65303532
3760	ZNF330	8	1	1.512555328	1.601299561
3761	LINC02432	18	1	-3.413018379	1.810114063
3762	IL15	1	1	-2.212054166	2.460369862
3763	INPP4B	5	1	1.010883775	-2.131888114
3764	USP38	4	1	-0.571528885	-1.641879283
3765	GAB1	9	1	-1.123980913	0.118855484
3766	SMARCA5	3	1	2.632539359	2.451772965
3767	GYPE	12	1	-2.963905487	-2.058786832
3768	HHIP-AS1	5	1	1.145697084	-2.25641986
3769	HHIP	5	1	1.351830926	-2.287934981
3770	ANAPC10	7	1	3.191050377	-1.109535061
3771	ABCE1	7	1	3.682613459	-1.081432067
3772	OTUD4	11	1	1.286338058	0.13083861
3773	SMAD1	6	1	-0.659778568	-2.999029838
3774	MMAA	9	1	-1.467335019	0.448581382
3775	ZNF827	9	1	-1.434084687	-0.185788237
3776	LSM6	7	1	3.499050227	-0.933771216
3777	SLC10A7	1	1	-1.46894804	1.917076863
3778	TTC29	8	1	0.497327205	0.521489836
3779	EDNRA	1	1	-1.228765282	2.114691175
3780	TMEM184C	4	1	-1.059252891	-1.63416525
3781	PRMT9	12	1	-2.782903823	-1.738850557
3782	ARHGAP10	6	1	-0.375128511	-3.037169419

3783	NR3C2	9	1	-0.258014384	-0.553181671
3784	IQCM	13	1	-2.766666326	-0.979045235
3785	DCLK2	4	1	-1.138188633	-1.277616941
3786	LRBA	4	1	-0.487700257	-0.784828864
3787	AC110813.1	1	1	-1.396050128	2.543388881
3788	MAB21L2	18	1	-2.948920402	2.036650814
3789	RPS3A	3	1	2.024969903	5.530011929
3790	SH3D19	13	1	-2.806120548	-0.976610624
3791	AC095055.1	17	1	-4.837672147	3.090765275
3792	GATB	5	1	0.532878843	-3.032556735
3793	FBXW7	15	1	-4.19470683	-0.242945038
3794	TMEM154	18	1	-3.199235591	1.153518595
3795	ARFIP1	7	1	2.98409256	-0.541004323
3796	FHDC1	15	1	-3.919805917	-1.704717837
3797	TRIM2	4	1	-0.813355777	-0.655179106
3798	MND1	10	1	3.4086512	-3.684691154
3799	TMEM131L	4	1	0.250059542	-1.942434274
3800	PLRG1	2	1	3.778991786	-0.364320241
3801	MAP9	2	1	3.596316424	0.206833415
3802	GUCY1A1	15	1	-4.643816385	-1.435368024
3803	GUCY1B1	15	1	-4.432106885	-1.410302244
3804	TDO2	15	1	-4.864391717	-0.872034751
3805	CTSO	13	1	-2.661057147	0.243970208
3806	PDGFC	8	1	0.304276046	2.147651709
3807	GLRB	8	1	0.291619924	0.85640461
3808	FAM198B	1	1	-2.19989458	1.614348806
3809	AM198B-AS	15	1	-3.633092555	-1.859177076
3810	TMEM144	15	1	-3.507140073	-1.602351271
3811	C4orf46	10	1	3.159095135	-3.628664695
3812	ETFDH	9	1	-0.078668389	0.105824597
3813	PPID	7	1	3.561761704	-1.084708773
3814	FNIP2	9	1	-0.462588134	-0.283734046
3815	RAPGEF2	9	1	-0.127684298	0.271686047
3816	NAF1	7	1	2.268261996	-2.160253965
3817	TMA16	3	1	2.08592352	4.073796309
3818	AC093788.1	1	1	-0.652452085	1.290033497
3819	TRIM61	6	1	-2.215922031	-2.92858883
3820	FAM218A	12	1	-2.297291908	-2.332630597
3821	TMEM192	5	1	0.622521606	-2.369995557
3822	KLHL2	9	1	0.260024932	-0.131566189
3823	MSMO1	14	1	-0.232739332	3.533525027
3824	CPE	15	1	-3.537032041	-2.040120565
3825	SPOCK3	18	1	-3.828164253	1.130944051

3826	ANXA10	18	1	-3.710707578	1.185981907
3827	DDX60	8	1	0.383749899	0.02047921
3828	DDX60L	9	1	-0.508001182	0.543227516
3829	PALLD	3	1	1.213552561	4.202006615
3830	CBR4	9	1	-0.641780648	0.17227108
3831	SH3RF1	11	1	1.536510792	-0.121596299
3832	NEK1	6	1	-0.663700733	-2.069659196
3833	CLCN3	11	1	1.730362382	0.575815327
3834	HPF1	7	1	4.159691897	-1.012692891
3835	MFAP3L	12	1	-2.665103826	-2.312050544
3836	AADAT	5	1	1.704169002	-3.363225661
3837	AC105285.1	1	1	-1.598394546	2.410175837
3838	GALNT7	5	1	0.99433383	-1.487216793
3839	AC097534.1	10	1	4.219854918	-3.453378402
3840	HMGB2	10	1	4.229381171	-3.561783277
3841	AC097534.2	1	1	-2.323254261	2.850272931
3842	SAP30	10	1	3.927353707	-3.343508683
3843	SCRG1	15	1	-4.319783124	-0.502421282
3844	AC093849.1	18	1	-3.964068803	1.854015745
3845	HAND2	17	1	-2.798520956	2.554923571
3846	HAND2-AS	15	1	-4.042325887	0.54229521
3847	FBXO8	1	1	-1.941319141	1.688840307
3848	CEP44	10	1	3.910984602	-2.949314557
3849	WDR17	6	1	-0.760774645	-3.24422928
3850	SPCS3	3	1	1.681178179	4.337899484
3851	VEGFC	11	1	1.377311078	0.18624229
3852	NEIL3	10	1	3.571611968	-3.824809753
3853	AGA	1	1	-0.924555096	2.187243975
3854	TENM3	5	1	1.020962146	-1.933224164
3855	DCTD	14	1	0.590230134	2.67315153
3856	WWC2	8	1	1.173968044	1.530909933
3857	CDKN2AIF	7	1	1.864310828	-1.506073557
3858	AC107214.1	6	1	-0.820069763	-2.447812759
3859	ING2	10	1	2.490007248	-3.23427745
3860	RWDD4	2	1	4.419389811	0.250073053
3861	TRAPPC11	9	1	-0.769159052	1.08101467
3862	STOX2	12	1	-3.243769559	-1.861988031
3863	IRF2	14	1	-0.966027293	3.243311204
3864	CASP3	11	1	1.427446452	0.284431442
3865	PRIMPOL	10	1	2.502949324	-3.233549081
3866	CENPU	10	1	3.090765324	-3.811761581
3867	ACSL1	4	1	-0.308895055	-1.172888719
3868	SLC25A4	2	1	3.701395121	0.799313582

3869	CFAP97	7	1	3.853558865	-1.047746502
3870	SNX25	12	1	-2.902691755	-1.203542315
3871	LRP2BP	1	1	-1.838535461	1.423891701
3872	ANKRD37	13	1	-3.344278249	0.329693347
3873	UFSP2	2	1	3.501088944	1.444109715
3874	C4orf47	1	1	-2.175843629	3.175953187
3875	CCDC110	13	1	-3.138898286	0.428888961
3876	AC106897.1	13	1	-3.369939479	0.22589422
3877	PDLIM3	14	1	-0.89877567	2.559947528
3878	SORBS2	15	1	-4.126945886	-1.237333857
3879	TLR3	15	1	-3.750452194	-2.195391856
3880	CYP4V2	6	1	-1.241011533	-1.803980552
3881	KLKB1	17	1	-4.788208398	3.214063205
3882	FAT1	11	1	1.774517384	0.3371851
3883	FRG1	7	1	3.819443074	-1.149868928
3884	PLEKHG4E	6	1	-1.067575011	-3.639029704
3885	CCDC127	11	1	1.327968445	0.312150173
3886	SDHA	14	1	0.748090055	2.886723079
3887	PDCD6	16	1	3.486120549	4.474837579
3888	AHRR	9	1	-1.335995826	-0.098890864
3889	EXOC3-AS1	20	1	-1.306420598	-3.888214313
3890	EXOC3	11	1	1.641085592	-0.211977385
3891	SLC9A3	20	1	-0.626173708	-4.026321613
3892	CEP72	10	1	3.441269007	-3.701153003
3893	BRD9	7	1	2.856877175	-0.842067801
3894	TRIP13	10	1	3.907354441	-3.013445102
3895	AC116351.1	12	1	-3.032132301	-1.440659128
3896	SLC12A7	4	1	-0.461598221	-0.696858369
3897	CLPTM1L	2	1	4.13323411	0.267220631
3898	LPCAT1	9	1	-0.86747143	0.786793805
3899	MRPL36	2	1	4.725746718	1.080406464
3900	NDUFS6	16	1	3.996266213	3.688077725
3901	ADAMTS16	15	1	-3.48207036	-2.164799653
3902	ICE1	7	1	2.719707814	-0.533264421
3903	MED10	2	1	3.557944384	-0.082583957
3904	LINC01018	12	1	-2.987578544	-2.693643771
3905	NSUN2	5	1	1.658664194	-1.858219348
3906	SRD5A1	4	1	-0.668385181	-1.620385371
3907	TENT4A	9	1	0.237644431	-0.335807704
3908	C5orf49	15	1	-3.81464282	-2.005144797
3909	MTRR	11	1	0.4136053	-1.050822221
3910	FASTKD3	5	1	0.864539233	-2.668529235
3911	MIR4458HC	18	1	-3.001114521	1.881285347

3912	SEMA5A	11	1	1.24139103	-0.396839045
3913	SNHG18	18	1	-3.098001871	1.705164231
3914	FAM173B	6	1	-0.178241927	-3.416351281
3915	AC012640.1	10	1	3.584443179	-2.899135076
3916	CCT5	16	1	3.526445952	3.086012639
3917	CMBL	1	1	-2.168856058	3.025474585
3918	AC012640.2	6	1	-2.114061269	-3.145424091
3919	6-Mar	14	1	-0.370042536	2.825208224
3920	ROPN1L	6	1	-1.791487846	-3.410183631
3921	ANKRD33E	4	1	-0.397208783	-0.688747607
3922	DAP	3	1	1.229353157	4.271209754
3923	TRIO	8	1	1.190067854	1.44545678
3924	OTULIN	14	1	-0.328357163	2.44595126
3925	ANKH	13	1	-3.597266349	-0.649044119
3926	FBXL7	9	1	-0.993572864	-0.279542051
3927	ZNF622	2	1	3.700192299	0.769548274
3928	RETREG1	12	1	-2.502990398	-2.891525708
3929	MYO10	14	1	-0.182673726	2.6601725
3930	BASP1	3	1	1.736443368	4.767094411
3931	BASP1-AS1	17	1	-2.809233818	2.737252988
3932	CDH18	18	1	-3.887157115	1.026707269
3933	CDH10	12	1	-2.634833726	-2.087488614
3934	PURPL	9	1	-0.135873321	0.345579892
3935	CDH6	7	1	1.320671526	-1.189493381
3936	DROSHA	5	1	1.726906505	-1.772101604
3937	C5orf22	4	1	0.209723112	-0.990107142
3938	GOLPH3	14	1	-0.076398853	2.428812064
3939	AC025181.2	15	1	-3.764147195	-1.742457353
3940	MTMR12	11	1	0.908910003	-1.230537616
3941	ZFR	11	1	2.545815793	-0.043618553
3942	SUB1	16	1	3.607952204	4.334165849
3943	NPR3	17	1	-3.289606485	2.704245843
3944	AC010343.3	6	1	-1.165800485	-3.648858272
3945	AC034223.2	6	1	-2.180544767	-2.88644477
3946	TARS	3	1	1.839548317	3.05238942
3947	ADAMTS12	8	1	0.176647735	1.318412997
3948	C1QTNF3	15	1	-4.630731496	-1.393833481
3949	AC025754.2	12	1	-3.271400604	-1.552824222
3950	RAI14	3	1	1.45033845	4.397747792
3951	TTC23L	17	1	-4.755368146	2.94966463
3952	RAD1	10	1	2.150444117	-3.350353919
3953	BRX1	7	1	3.890162554	-1.359386645
3954	DNAJC21	2	1	3.204299298	-0.559901618

3955	PRLR	15	1	-4.706164274	-0.328142666
3956	SPEF2	12	1	-3.32940093	-2.542652093
3957	IL7R	1	1	-1.223020229	2.088101662
3958	LMBRD2	9	1	-1.418487462	0.046553202
3959	SKP2	11	1	0.90827271	-1.030836426
3960	NADK2	9	1	-1.220751318	0.62347167
3961	RANBP3L	17	1	-4.865691575	3.21773795
3962	SLC1A3	12	1	-2.695048007	-2.571463786
3963	NIPBL	11	1	1.966109124	0.726166732
3964	CPLANE1	4	1	-0.454085562	-0.862048112
3965	NUP155	10	1	2.957990971	-3.275683366
3966	WDR70	3	1	1.64137527	1.907540597
3967	GDNF	8	1	0.504211929	0.29065796
3968	EGFLAM	12	1	-3.318442258	-2.318415366
3969	AC010457.1	12	1	-2.599633131	-2.034334861
3970	LIFR	15	1	-3.94529191	-0.199361705
3971	LIFR-AS1	15	1	-3.863585624	-1.733706914
3972	OSMR-AS1	1	1	-2.440219078	2.175168909
3973	OSMR	14	1	-0.232923094	3.191159524
3974	RICTOR	14	1	-0.341898236	2.442660369
3975	FYB1	19	2	-7.293943319	0.291200913
3976	C9	17	1	-4.851534757	3.220853366
3977	DAB2	3	1	1.544494119	4.189376391
3978	LINC02104	5	1	0.845072952	-2.237358771
3979	TTC33	11	1	1.007364657	-1.27363547
3980	PTGER4	11	1	1.169513908	-0.915893756
3981	PRKAA1	8	1	0.700058845	1.564468778
3982	RPL37	3	1	1.804606047	5.281013764
3983	CARD6	8	1	0.572031704	0.237569727
3984	OXCT1	2	1	3.966331807	-0.796567999
3985	C5orf51	9	1	-0.668174479	-0.431112193
3986	FBXO4	5	1	0.569128004	-3.243086063
3987	GHR	15	1	-4.08424035	-1.817694865
3988	CCDC152	10	1	2.599601117	-3.178351842
3989	AC025171.3	20	1	-1.412791047	-3.937919818
3990	ZNF131	11	1	2.208650437	-0.009522222
3991	HMGCS1	1	1	-1.436845812	2.777210034
3992	TMEM267	9	1	0.158019823	0.05162657
3993	C5orf34	10	1	3.450985995	-3.692481719
3994	PAIP1	2	1	3.694506016	-0.36439886
3995	NNT-AS1	1	1	-1.971035156	0.830845125
3996	NNT	1	1	-1.102352533	1.076464332
3997	MRPS30	2	1	3.528172341	-0.657173835

3998	EMB	6	1	-0.446969751	-2.662624799
3999	PARP8	12	1	-2.924038085	-1.544287406
4000	ISL1	6	1	-1.752781424	-3.595934831
4001	ITGA1	14	1	-0.597434613	3.151869334
4002	PELO	1	1	-0.367397401	2.165324844
4003	ITGA2	11	1	1.51118466	0.247042887
4004	MOCS2	2	1	3.757885066	0.249544389
4005	AC008966.1	6	1	-1.151219758	-3.36162182
4006	FST	11	1	1.614688364	0.09015391
4007	NDUFS4	16	1	3.325485554	4.204625405
4008	ARL15	4	1	-1.015475544	-1.163716875
4009	SNX18	8	1	0.272218388	1.150462724
4010	ESM1	11	1	1.369653669	-0.234101378
4011	GPX8	3	1	1.403573361	4.805900372
4012	DHX29	2	1	4.398227301	0.33593183
4013	MTREX	11	1	2.581855145	-0.406051479
4014	PLPP1	15	1	-4.052142534	-0.297624253
4015	SLC38A9	4	1	-1.464535508	-0.713106476
4016	IL6ST	18	1	-4.186788949	1.471302546
4017	AC016596.1	15	1	-4.018894109	-2.024207317
4018	MAP3K1	4	1	0.155166764	-1.123161756
4019	SETD9	6	1	-1.148302469	-3.503519498
4020	MIER3	9	1	-0.132497805	-0.126720272
4021	GPBP1	8	1	1.404900995	1.371158637
4022	ACTBL2	12	1	-2.612771902	-1.994075261
4023	PLK2	6	1	-1.805198345	-3.058445417
4024	PDE4D	1	1	-1.513415012	2.342314042
4025	DEPDC1B	10	1	4.266270724	-3.521867
4026	AC104113.1	4	1	-0.850214216	-1.580133282
4027	ERCC8	5	1	0.541514781	-2.379560434
4028	NDUFAF2	3	1	1.859702554	4.416473664
4029	SMIM15	2	1	3.513940421	-0.438929044
4030	LINC02057	6	1	-0.522632751	-3.156258308
4031	ZSWIM6	1	1	-1.232021484	2.049234547
4032	KIF2A	7	1	2.981865016	-0.62425872
4033	DIMT1	2	1	3.519675341	-0.439462029
4034	IPO11	7	1	1.92616519	-2.251641952
4035	LRRC70	4	1	0.08990438	-1.529750429
4036	RNF180	4	1	-1.787610683	-0.855600082
4037	RGS7BP	12	1	-2.662764224	-1.903308116
4038	SREK1IP1	7	1	3.506288853	-0.822799169
4039	CWC27	2	1	4.146730509	-0.715888225
4040	ADAMTS6	3	1	1.313271132	4.25508336

4041	AC025176.1	10	1	3.15490922	-3.653372489
4042	CENPK	10	1	3.374530163	-3.462317907
4043	PPWD1	4	1	-0.142787579	-1.158135258
4044	TRIM23	1	1	-1.506721887	2.205108084
4045	TRAPPC13	5	1	0.651730922	-1.65977522
4046	SHLD3	5	1	0.513838258	-2.967243873
4047	SGTB	8	1	0.778485146	1.007049002
4048	NLN	7	1	2.696383801	-1.101193987
4049	AC010359.1	20	1	-0.992716107	-4.38273307
4050	ERBIN	8	1	0.774160114	1.816732563
4051	SREK1	11	1	2.30309948	-0.180004142
4052	MAST4	9	1	-1.281925711	-0.233448051
4053	PIK3R1	6	1	-1.07070187	-3.381047927
4054	SLC30A5	14	1	-0.078631605	2.481637992
4055	CCNB1	10	1	4.421948996	-2.901129209
4056	CENPH	10	1	3.994790164	-2.500902377
4057	MRPS36	2	1	3.850808707	1.008073963
4058	CDK7	11	1	1.845829454	-0.029999726
4059	CCDC125	6	1	-0.731008205	-3.059494458
4060	AK6	2	1	4.193276492	-0.375462614
4061	TAF9	2	1	4.657875624	0.43597725
4062	RAD17	5	1	0.096256126	-2.337049686
4063	OCLN	9	1	-0.041916545	0.406103477
4064	GTF2H2C	5	1	1.582670775	-2.077797614
4065	SMN2	5	1	0.486991969	-3.061431371
4066	SMN1	6	1	0.205518913	-3.10193225
4067	NAIP	9	1	-0.856810662	0.199340589
4068	GTF2H2	5	1	1.576331821	-1.312626921
4069	BDP1	7	1	2.882236329	-0.547379635
4070	MCCC2	5	1	1.068446961	-2.039271556
4071	MAP1B	3	1	2.072488156	4.187964238
4072	MRPS27	3	1	1.321396318	2.282978214
4073	PTCD2	1	1	-0.905578885	1.278498567
4074	LINC02056	18	1	-3.679306898	1.427100815
4075	TNPO1	8	1	1.114154068	1.943884529
4076	FCHO2	9	1	-0.196811336	0.474307112
4077	TMEM171	8	1	0.682101753	0.095987089
4078	FOXO1	11	1	1.963885751	0.810413994
4079	AC099522.2	20	1	-0.980159673	-4.507944785
4080	BTF3	3	1	2.2781845	5.513144292
4081	ANKRA2	1	1	-1.89894608	1.892435588
4082	UTP15	5	1	1.949150172	-2.40884205
4083	ARHGAP28	8	1	0.638704088	0.928264297

4084	ENC1	11	1	1.883084145	-0.118163727
4085	HEXB	14	1	-0.595052216	3.581483401
4086	GFM2	4	1	0.098109879	-0.960906707
4087	NSA2	3	1	1.707294312	4.945320882
4088	GCNT4	8	1	0.452494827	1.080749966
4089	ANKRD31	15	1	-3.696527872	-1.85414692
4090	HMGCR	1	1	-1.22282258	1.536935605
4091	COL4A3BP	8	1	0.003783689	0.960866727
4092	POLK	11	1	1.477619377	0.100617148
4093	AC010245.2	4	1	-1.170382652	-0.909138166
4094	POC5	10	1	3.385352459	-3.257574044
4095	IQGAP2	18	1	-3.552741441	1.571737923
4096	F2RL2	6	1	-1.334349784	-2.602802478
4097	F2R	6	1	-0.751272711	-2.499333821
4098	F2RL1	17	1	-4.387591752	2.510231055
4099	AGGF1	4	1	-0.532166991	-1.397578798
4100	ZBED3	12	1	-2.745430383	-1.694344484
4101	WDR41	11	1	2.068541375	1.273623563
4102	TBCA	3	1	1.701475945	4.968062199
4103	AP3B1	11	1	2.282462683	-0.19935181
4104	CAMP1-AS	6	1	-0.505178484	-2.613926374
4105	SCAMP1	14	1	-0.810251626	2.974727668
4106	LHFPL2	1	1	-0.641176674	2.065221108
4107	ARSB	13	1	-2.047258768	-0.139819943
4108	DMGDH	15	1	-4.539298925	-0.687568151
4109	BHMT2	12	1	-2.965186748	-2.06392666
4110	JMY	1	1	-2.549600038	2.579481639
4111	HOMER1	4	1	-0.836874935	-1.717114173
4112	TENT2	1	1	-0.921259853	1.225249626
4113	CMYA5	17	1	-3.973979864	2.631844081
4114	MTX3	9	1	0.307842013	-0.332253598
4115	SERINC5	9	1	-0.979641709	-0.200403415
4116	ZFYVE16	11	1	1.900361028	0.647441603
4117	AC008771.1	18	1	-2.978231105	1.165972091
4118	FAM151B	15	1	-3.907479438	-1.617702924
4119	LINC01337	10	1	2.151837912	-3.964929305
4120	DHFR	10	1	3.051472989	-3.502499543
4121	MSH3	8	1	1.056252208	-0.130542897
4122	ASGRF2-AS	12	1	-2.864871654	-1.425024711
4123	RASGRF2	8	1	0.366536853	0.803253867
4124	CKMT2-AS	9	1	-1.602102551	0.170701198
4125	ZCCHC9	14	1	-0.479085478	3.406856812
4126	SSBP2	3	1	1.027243879	2.444681205

4127	ATG10	6	1	-0.845363888	-2.777852737
4128	RPS23	3	1	2.350881901	5.637568749
4129	ATP6AP1L	1	1	-2.465763006	1.825211681
4130	TMEM167A	3	1	1.469104496	4.977750577
4131	XRCC4	15	1	-4.067469987	-1.513671957
4132	VCAN	3	1	0.566174832	4.579705514
4133	HAPLN1	13	1	-2.35801855	-0.790298783
4134	EDIL3	3	1	1.011970428	4.22552327
4135	AC113383.1	12	1	-2.053012046	-1.812346898
4136	COX7C	3	1	2.339461413	5.466192521
4137	RASA1	7	1	2.066667643	-0.972833835
4138	CCNH	2	1	3.762313452	-0.272697769
4139	AC018754.1	12	1	-3.194809112	-1.476800524
4140	TMEM161B	1	1	-0.930384371	1.677321233
4141	TMEM161B-A	1	1	-1.908226642	0.78870181
4142	MEF2C	15	1	-4.457452688	-1.088334285
4143	MEF2C-AS1	1	1	-2.005257759	2.458817281
4144	CETN3	14	1	0.394233313	2.892964639
4145	MBLAC2	4	1	-0.085067476	-1.251372896
4146	POLR3G	7	1	1.806764808	-0.783367239
4147	LYSMD3	14	1	-0.731355342	3.081711091
4148	AC123595.1	15	1	-3.948029193	0.614592723
4149	LUCAT1	17	1	-4.629243764	3.120316304
4150	ARRDC3	15	1	-3.829011592	0.761078395
4151	ARRDC3-AS1	4	1	-1.088376317	-0.734086476
4152	NR2F1-AS1	4	1	-1.151183638	-1.084171377
4153	NR2F1	18	1	-3.969075117	1.42113284
4154	FAM172A	1	1	-2.21325365	1.673526801
4155	POU5F2	4	1	-0.64574388	-1.058768593
4156	KIAA0825	12	1	-3.063580904	-2.745651208
4157	SLF1	10	1	2.57380065	-3.902681552
4158	MCTP1	13	1	-3.747781906	-0.192872845
4159	TTC37	14	1	0.070841216	2.674839295
4160	ARSK	8	1	0.213478398	1.075460173
4161	GPR150	8	1	0.468167093	0.481803164
4162	RFESD	6	1	-0.89040229	-3.096929752
4163	SPATA9	12	1	-2.40125123	-2.543440782
4164	RHOBTB3	3	1	3.071905222	4.160856046
4165	GLRX	3	1	1.024822262	4.71458558
4166	ELL2	14	1	-0.413195941	2.876827992
4167	CAST	3	1	1.982205239	4.409046925
4168	ERAP1	1	1	-0.938969109	1.632990517
4169	AC008906.1	4	1	-0.348652962	-1.59338399

4170	ERAP2	8	1	0.790746477	0.106684871
4171	LNPEP	8	1	0.948140469	0.329918001
4172	LIX1	12	1	-3.18306962	-2.104365312
4173	RIOK2	2	1	3.458102789	-0.43197956
4174	RGMB	11	1	1.345531312	0.17402225
4175	RGMB-AS1	9	1	0.148176771	-0.538068257
4176	AC008522.1	8	1	0.670919207	0.991586007
4177	CHD1	7	1	2.792254296	-0.78117653
4178	FAM174A	14	1	-1.122766051	2.834307469
4179	ST8SIA4	18	1	-3.646635684	0.481444053
4180	PAM	14	1	-0.847381982	3.413902558
4181	GIN1	9	1	-0.56677601	-0.384563945
4182	PPIP5K2	11	1	2.305472222	-0.337461077
4183	C5orf30	5	1	1.437150684	-2.74421712
4184	NUDT12	9	1	-1.229854855	0.611693837
4185	EFNA5	5	1	0.862547722	-2.986993753
4186	FBXL17	9	1	-1.490942034	-0.27647277
4187	LINC01023	6	1	-1.882578525	-3.12443205
4188	FER	7	1	1.807143894	-0.428710245
4189	AC008467.1	4	1	-1.799551997	-1.056479179
4190	PJA2	14	1	-0.961824033	2.874478377
4191	MAN2A1	14	1	0.214226898	2.42849306
4192	SLC25A46	4	1	-0.648531768	-1.666494571
4193	TSLP	8	1	0.524968472	0.883591629
4194	WDR36	7	1	2.056499806	-0.437506698
4195	CAMK4	10	1	2.210642424	-3.26910802
4196	STARD4	14	1	-0.071552585	2.591764487
4197	TARD4-AS	1	1	-1.763677391	2.545406855
4198	NREP	3	1	1.108212081	4.422175683
4199	EPB41L4A	12	1	-2.224968824	-2.726070129
4200	PB41L4A-A	15	1	-4.456465635	0.010401435
4201	PB41L4A-D	15	1	-4.009185228	-1.642965757
4202	APC	7	1	2.114285794	-0.683314525
4203	SRP19	2	1	4.620164958	-0.013138049
4204	REEP5	16	1	3.453947154	4.387144364
4205	DCP2	10	1	3.311160412	-3.131448709
4206	MCC	15	1	-3.912254724	-1.577467881
4207	YTHDC2	6	1	-0.476329896	-3.210269176
4208	KCNN2	6	1	-2.660296115	-3.238770209
4209	TRIM36	8	1	0.415970352	0.09679944
4210	PGGT1B	5	1	0.285626408	-2.158597671
4211	AC008494.3	2	1	4.372810927	0.310557633
4212	CCDC112	7	1	3.05432829	-1.86351534

4213	FEM1C	9	1	0.147202682	-0.352645241
4214	TMED7-TICA	1	1	-0.911419842	1.129185833
4215	TICAM2	1	1	-2.162967834	2.074746646
4216	AC010226.1	15	1	-4.497821722	-1.454940997
4217	TMED7	14	1	-0.137815181	2.684901513
4218	AC008549.2	1	1	-1.946772131	2.438108481
4219	ATG12	14	1	0.224839058	3.338633574
4220	AP3S1	3	1	1.494167414	5.038513459
4221	LVRN	17	1	-4.040975008	3.015370644
4222	ARL14EPL	17	1	-4.768107805	3.28860072
4223	COMMD10	2	1	3.844160882	-0.708487831
4224	SEMA6A	12	1	-2.621958169	-2.619583331
4225	DTWD2	6	1	-2.310040149	-2.911462032
4226	DMXL1	9	1	-1.154215011	-0.275491499
4227	TNFAIP8	15	1	-4.708258543	-0.791000091
4228	HSD17B4	14	1	-0.09283762	2.93386916
4229	PRR16	13	1	-3.306106004	-0.305180393
4230	SRFBP1	7	1	3.510201779	-1.264974676
4231	LOX	3	1	0.968316582	4.469871796
4232	SNCAIP	5	1	1.023896482	-1.959160529
4233	SNX2	2	1	3.321966019	0.125992782
4234	SNX24	3	1	1.099210945	2.286230244
4235	PPIC	3	1	0.717807856	4.780062951
4236	PRDM6	15	1	-4.225071821	-0.966171347
4237	CEP120	9	1	0.257744443	-0.600530289
4238	CSNK1G3	11	1	1.624306646	0.83763767
4239	ZNF608	15	1	-3.945905838	-1.810714446
4240	GRAMD2B	8	1	-0.135963145	1.646238364
4241	ALDH7A1	3	1	1.526927081	2.210797943
4242	PHAX	2	1	4.022104588	-0.659566842
4243	LMNB1	10	1	3.86556038	-3.189600431
4244	3-Mar	13	1	-3.517965469	-0.004566543
4245	C5orf63	12	1	-3.196203145	-1.384125315
4246	PRRC1	14	1	-0.638456139	3.104965009
4247	LINC01184	6	1	-0.913815114	-3.114718639
4248	SLC12A2	5	1	1.353976098	-1.847570144
4249	FBN2	14	1	-0.021420668	3.07355956
4250	ISOC1	7	1	1.329542485	-1.098535501
4251	CHSY3	13	1	-2.2619032	0.355422718
4252	HINT1	3	1	3.213881341	4.568312444
4253	LYRM7	5	1	1.334240642	-2.28072878
4254	CDC42SE2	11	1	0.366044727	-0.538569831
4255	RAPGEF6	5	1	0.457570818	-2.316054546

4256	FNIP1	8	1	0.391477075	1.444014825
4257	ACSL6	9	1	-0.595415089	-0.447950028
4258	CSF2	8	1	0.618903664	0.320399262
4259	P4HA2	3	1	0.883924392	4.766938962
4260	PDLIM4	16	1	3.417052355	4.386304654
4261	SLC22A4	13	1	-3.342659149	-0.768154107
4262	SLC22A5	1	1	-1.338780078	1.936509527
4263	AC116366.3	1	1	-1.871816191	1.737069286
4264	IRF1	8	1	0.245829594	1.525253691
4265	RAD50	6	1	-0.436251971	-3.041005336
4266	KIF3A	7	1	2.633799639	-1.035184823
4267	SEPT8	11	1	0.589052763	-0.88947662
4268	SHROOM1	5	1	0.5549027	-2.195455276
4269	GDF9	17	1	-4.721618089	3.255076445
4270	UQCRQ	3	1	2.5847536	5.150332249
4271	AFF4	11	1	1.921681967	0.379094826
4272	AC010240.3	20	1	-0.910015318	-4.37459632
4273	ZCCHC10	2	1	4.004054394	0.670082576
4274	HSPA4	2	1	4.006214943	-0.836448871
4275	C5orf15	14	1	-0.101333755	2.857908048
4276	VDAC1	3	1	2.004746881	4.092627562
4277	AC008608.2	6	1	-1.817329082	-3.223100148
4278	TCF7	6	1	-0.221095178	-3.159409486
4279	SKP1	3	1	2.814095345	4.639984406
4280	PPP2CA	7	1	3.280526486	-1.030290328
4281	AC104109.2	6	1	-1.608837995	-3.485666238
4282	CDKL3	18	1	-2.747310791	1.52946452
4283	UBE2B	3	1	0.910587278	4.55999688
4284	DKN2AIPN	7	1	3.755716172	-1.565651618
4285	JADE2	9	1	-0.641614351	0.471089192
4286	SAR1B	2	1	3.769843665	-0.337604605
4287	SEC24A	14	1	-0.612947318	2.754472293
4288	CAMLG	3	1	0.962740925	4.679343499
4289	DDX46	16	1	3.530840722	2.675635375
4290	C5orf24	13	1	-3.327544126	-0.681918584
4291	TXNDC15	14	1	-0.710813853	3.715123929
4292	PCBD2	6	1	-0.105718675	-3.584312164
4293	PITX1	18	1	-3.242226753	2.044840611
4294	H2AFY	16	1	3.525615778	2.886050738
4295	CXCL14	18	1	-3.084690246	1.958225526
4296	TGFBI	3	1	0.91290274	4.825166024
4297	SMAD5	11	1	1.783300963	0.733326353
4298	SPOCK1	3	1	0.674628702	4.668809689

4299	KLHL3	1	1	-1.394554767	1.06751398
4300	HNRNPA0	8	1	1.33283731	1.504730023
4301	FAM13B	4	1	-0.062218535	-1.042156063
4302	NME5	15	1	-4.488058958	-1.247963511
4303	BRD8	10	1	4.205025282	-3.193625175
4304	KIF20A	10	1	4.392962542	-2.926241838
4305	CDC23	5	1	1.835746851	-2.686979734
4306	CDC25C	10	1	4.432710257	-3.270188771
4307	FAM53C	9	1	-1.024160776	0.792815633
4308	KDM3B	5	1	0.873596755	-1.79608246
4309	REEP2	12	1	-2.151563558	-1.737055741
4310	EGR1	15	1	-4.119520578	0.509536855
4311	ETF1	2	1	3.120945063	-0.429499589
4312	HSPA9	3	1	1.91760191	2.838660754
4313	CTNNA1	3	1	2.441118327	2.843265809
4314	AC034243.1	12	1	-3.269626054	-1.18063768
4315	LRRTM2	9	1	-0.913825545	0.6457806
4316	SIL1	3	1	0.920883265	4.824193276
4317	MATR3.1	9	1	0.223931116	-0.137141727
4318	PAIP2	3	1	1.024128285	4.523944177
4319	MZB1	17	1	-4.207748327	3.000481404
4320	SPATA24	12	1	-2.051992092	-2.656544887
4321	DNAJC18	18	1	-2.835981044	1.544197596
4322	TMEM173	7	1	2.217590418	-0.809101425
4323	UBE2D2	3	1	3.114655343	4.28789977
4324	CXXC5	15	1	-3.96574727	-0.390478991
4325	MALINC1	6	1	-2.479559335	-3.110967837
4326	PURA	8	1	0.843258884	1.836097993
4327	IGIP	1	1	-1.750095281	1.55364386
4328	CYSTM1	12	1	-2.34517065	-1.725112163
4329	PFDN1	16	1	3.583545533	3.561093844
4330	HBEGF	5	1	0.582200971	-2.131625854
4331	ANKHD1	11	1	0.750177231	-0.52871605
4332	SRA1	16	1	3.698171702	4.205116309
4333	APBB3	6	1	-1.212538871	-2.920866214
4334	SLC35A4	6	1	-0.603711221	-3.010868989
4335	CD14	19	2	-7.056358728	0.192946724
4336	NDUFA2	3	1	3.208953944	4.816249169
4337	TMCO6	9	1	0.120962751	0.374576704
4338	IK	16	1	2.853420821	3.485406674
4339	WDR55	5	1	1.173941103	-2.066954814
4340	HARS	2	1	4.506074515	-0.383315586
4341	HARS2	11	1	0.718667117	-1.421455465

4342	ZMAT2	2	1	4.335993853	0.299138479
4343	PCDHB2	15	1	-4.339984807	-1.682895623
4344	PCDHB4	15	1	-4.893736276	-1.101038657
4345	PCDHB16	13	1	-2.740136775	-1.02517172
4346	PCDHB9	15	1	-4.061190042	-1.430932246
4347	PCDHB14	15	1	-3.757735643	-1.405327879
4348	TAF7	11	1	2.081274596	0.102282442
4349	PCDHGA2	13	1	-2.126743707	-0.280208908
4350	PCDHGA3	13	1	-3.703140172	-0.567461632
4351	PCDHGA5	9	1	-1.243028197	0.687384136
4352	PCDHGA6	1	1	-1.772613439	0.511317469
4353	PCDHGA7	12	1	-2.894134912	-1.259030424
4354	PCDHGA8	9	1	-1.776615653	0.224661328
4355	PCDHGB5	9	1	-1.335446033	0.00614769
4356	PCDHGB6	4	1	-0.559771809	-1.958817922
4357	PCDHGA10	15	1	-3.762438449	-1.747117244
4358	PCDHGB7	15	1	-3.943680677	-1.705116712
4359	PCDHGA12	6	1	-1.909608397	-3.22572919
4360	PCDHGC3	9	1	-1.047834072	0.578300588
4361	DIAPH1	7	1	3.129254666	-1.23730477
4362	HDAC3	2	1	4.168655482	-0.398794018
4363	RELL2	6	1	-1.344790253	-2.103855573
4364	FCHSD1	1	1	-1.401945147	0.959481813
4365	ARAP3	5	1	0.008879441	-2.438265287
4366	PCDH1	8	1	0.702941027	0.56690105
4367	DELE1	9	1	-1.417474899	0.350699121
4368	RNF14	4	1	-0.196721721	-1.841756068
4369	GNPDA1	2	1	3.845720616	-0.525733374
4370	NDFIP1	14	1	0.587472525	2.866893329
4371	SPRY4	4	1	-0.495141897	-1.214165293
4372	SPRY4-AS1	13	1	-2.418044004	0.148553706
4373	FGF1	2	1	3.304986325	0.30693613
4374	LINC01844	1	1	-2.690510187	2.275227226
4375	ARHGAP26	3	1	1.160316077	2.440280475
4376	NR3C1	17	1	-3.454863224	2.352442421
4377	YIPF5	3	1	1.038449612	4.702605046
4378	KCTD16	13	1	-2.567348871	0.636587687
4379	PRELID2	11	1	1.127583113	-0.569967948
4380	SH3RF2	4	1	-1.968449983	-1.076294624
4381	PLAC8L1	17	1	-4.747825536	2.640013732
4382	LARS	3	1	2.006015745	2.933583297
4383	RBM27	4	1	0.155798961	-1.121442043
4384	TCERG1	7	1	3.481889573	-1.312397801

4385	PPP2R2B	18	1	-3.552247676	1.614658512
4386	DPYSL3	12	1	-3.211125764	-1.245669924
4387	JAKMIP2	12	1	-3.241560373	-1.231086813
4388	SPINK1	1	1	-1.344535503	2.584017075
4389	C5orf46	1	1	-2.033510122	2.546666182
4390	FBXO38	1	1	-0.974228415	1.232230343
4391	ADRB2	10	1	1.798286882	-4.23093959
4392	ABLM13	8	1	0.611749795	0.349339871
4393	AFAP1L1	5	1	0.986466852	-1.434202157
4394	GRPEL2	9	1	0.214403477	-0.221587263
4395	PCYOX1L	13	1	-1.955924067	0.520490743
4396	IL17B	12	1	-2.412615928	-1.450933896
4397	CARMN	14	1	-0.173314351	2.843515195
4398	AC131025.2	1	1	-1.43851808	2.581288613
4399	CSNK1A1	3	1	1.465975132	4.174040116
4400	PPARGC1B	7	1	2.022007194	-2.304772578
4401	SLC26A2	4	1	-0.542561862	-1.207109653
4402	TIGD6	12	1	-2.318182144	-2.303008281
4403	HMGXB3	2	1	4.13377246	0.486350789
4404	PDGFRB	14	1	-0.123439628	2.977137126
4405	CAMK2A	1	1	-1.769749555	2.584752597
4406	ARSI	6	1	-1.518464598	-3.345976316
4407	TCOF1	10	1	3.57450327	-2.440856181
4408	CD74	19	2	-6.559494409	0.294028654
4409	RPS14	3	1	2.293198195	5.679703988
4410	NDST1-AS1	12	1	-2.312367591	-1.626124345
4411	NDST1	4	1	-1.200178656	-0.741867982
4412	SYNPO	15	1	-3.444344673	-1.17456051
4413	RBM22	2	1	3.247652617	-0.449705385
4414	DCTN4	14	1	-0.689281616	3.20296625
4415	SMIM3	17	1	-3.297889146	2.750836409
4416	ZNF300	5	1	0.795549956	-2.371843539
4417	GPX3	19	2	-6.436333093	0.056520082
4418	TNIP1	14	1	-0.721924099	2.632764853
4419	ANXA6	3	1	1.864145365	4.268845595
4420	CCDC69	13	1	-3.428375873	-0.684953176
4421	GM2A	1	1	-1.632427487	0.942386664
4422	SLC36A1	4	1	-1.099484238	-1.699311458
4423	SPARC	3	1	0.87875947	4.826820649
4424	AC011374.2	1	1	-1.843914065	0.997340776
4425	ATOX1	3	1	2.586184588	5.13172511
4426	G3BP1	7	1	3.053853598	-0.878061138
4427	FAM114A2	7	1	2.830114928	-0.540416621

4428	MFAP3	9	1	-0.592268083	-0.447400652
4429	GALNT10	14	1	-0.084689277	2.677043475
4430	SAP30L-AS	1	1	-1.493525419	1.593992032
4431	SAP30L	8	1	0.027260054	0.632536091
4432	LARP1	11	1	1.820950594	0.577791579
4433	FAXDC2	18	1	-2.835832986	1.377641298
4434	CNOT8	1	1	-1.426162514	2.293007411
4435	GEMIN5	7	1	1.962965336	-2.087482892
4436	MRPL22	2	1	4.703264323	0.02155099
4437	SGCD	15	1	-4.252692613	-0.85007485
4438	MED7	5	1	1.915588704	-2.623581611
4439	CYFIP2	6	1	-1.618589911	-2.310553991
4440	ADAM19	14	1	0.634207037	2.412641085
4441	NIPAL4	8	1	0.0396477	1.583125509
4442	SOX30	1	1	-1.079335603	1.600540317
4443	THG1L	2	1	3.238981095	-0.094447486
4444	LSM11	1	1	-1.828304324	2.434369124
4445	CLINT1	3	1	0.814595547	4.25048355
4446	EBF1	15	1	-3.825017127	-2.005942784
4447	LINC02202	15	1	-4.661610994	-1.389398419
4448	RNF145	1	1	-1.358208928	2.150842346
4449	UBLCP1	2	1	3.00211176	-0.339931689
4450	AC008691.1	6	1	-0.555065724	-3.403683864
4451	TTC1	2	1	4.65704402	0.287505321
4452	PWWP2A	11	1	2.24165782	0.029177673
4453	FABP6	12	1	-1.766391906	-2.097492896
4454	CCNJL	4	1	-0.863132569	-1.414563976
4455	C1QTNF2	10	1	2.2094973	-3.836714469
4456	ZBED8	5	1	1.335873094	-1.536915027
4457	SLU7	14	1	-0.019855353	2.822185077
4458	PTTG1	16	1	3.31414732	2.852443732
4459	MIR3142HC	8	1	0.455086347	0.3850058
4460	GABRB2	15	1	-4.793818864	-1.079506599
4461	AC113414.1	7	1	1.396882978	-1.094844423
4462	CCNG1	14	1	-1.337456617	3.020997323
4463	NUDCD2	2	1	4.008349743	-0.858291351
4464	HMMR	10	1	4.440723506	-3.119133197
4465	MAT2B	1	1	-0.805235478	2.138472356
4466	AC109466.1	12	1	-3.373209152	-2.624085151
4467	TENM2	8	1	-0.069596316	1.704210795
4468	AC008637.1	1	1	-1.631343517	2.158775963
4469	WWC1	8	1	0.886270848	0.496124074
4470	RARS	3	1	1.593537894	2.409840144

4471	FBLL1	15	1	-3.600637826	-1.075813376
4472	PANK3	8	1	0.420257625	1.642853774
4473	AC011365.2	15	1	-4.396982583	-0.662862383
4474	SLIT3	15	1	-4.357615861	-0.071231269
4475	AC011389.1	1	1	-2.249887857	2.361535825
4476	SPDL1	10	1	4.013370123	-3.544783078
4477	DOCK2	1	1	-2.256688747	2.181069411
4478	FAM196B	18	1	-3.892922554	1.53187982
4479	KCNMB1	12	1	-3.214247617	-1.497237168
4480	RANBP17	1	1	-1.138763341	1.600425876
4481	NPM1	3	1	2.744760838	4.184300937
4482	FGF18	17	1	-4.920207891	3.183557547
4483	FBXW11	14	1	-0.244703832	3.30478362
4484	STK10	11	1	0.581335631	-1.329843603
4485	UBTD2	4	1	0.134765533	-1.613068186
4486	SH3PXD2B	8	1	0.227671531	1.921433128
4487	NEURL1B	10	1	4.117675391	-3.205388986
4488	DUSP1	3	1	1.19836649	4.37598709
4489	AC110011.1	4	1	-1.901611957	-0.719098412
4490	ERGIC1	14	1	0.384702083	2.553677596
4491	AC008429.1	8	1	-0.013030532	1.345087327
4492	RPL26L1	16	1	3.92656621	2.936965979
4493	ATP6V0E1	3	1	3.185559121	5.001049317
4494	CREBRF	1	1	-1.650746617	2.883726157
4495	BNIP1	14	1	-0.672098431	3.018376626
4496	STC2	3	1	1.561070409	4.317995108
4497	BOD1	2	1	3.532607403	-0.156189464
4498	CPEB4	1	1	-0.918153796	1.069007255
4499	MSX2	15	1	-3.957894001	-1.079133474
4500	SFXN1	14	1	-0.237163457	3.060919799
4501	THOC3	10	1	2.717318621	-3.254768096
4502	SIMC1	7	1	2.103561011	-2.634846412
4503	KIAA1191	8	1	0.201897648	1.891915358
4504	ARL10	4	1	-0.570271108	-1.443343722
4505	NOP16	7	1	4.072460738	-1.035743438
4506	HIGD2A	3	1	3.19040164	4.961996831
4507	CLTB	2	1	4.564772215	1.339367606
4508	FAF2	2	1	3.554830637	-0.547033511
4509	RNF44	9	1	-0.319980833	0.922868646
4510	GPRIN1	10	1	2.198985901	-3.541377984
4511	TSPAN17	2	1	3.624621478	-0.179130458
4512	UIMC1	8	1	0.019828045	1.70580963
4513	ZNF346	5	1	0.007377338	-2.272405111

4514	NSD1	11	1	2.513712492	-0.232283019
4515	RAB24	13	1	-2.120595369	0.442338124
4516	MXD3	10	1	4.201708403	-3.366069041
4517	PRELID1	16	1	3.815059987	3.821130551
4518	LMAN2	3	1	1.678296652	4.969371594
4519	RGS14	6	1	-1.55197731	-2.335924588
4520	F12	6	1	-1.626902256	-2.571000539
4521	GRK6	7	1	3.368793574	-1.956624709
4522	PRR7-AS1	9	1	0.033485922	0.105664439
4523	PRR7	2	1	3.555863467	0.719112702
4524	DBN1	2	1	3.524677363	-0.493211948
4525	PDLIM7	3	1	2.160227385	4.459301747
4526	DDX41	7	1	1.929457751	-0.614598237
4527	FAM193B	9	1	-1.437443289	-0.182647251
4528	AC139795.3	4	1	-2.00550023	-1.507693492
4529	TMED9	3	1	1.770660129	4.71442727
4530	B4GALT7	2	1	3.833209601	0.710488774
4531	AC106795.2	6	1	-1.534456763	-3.296475373
4532	N4BP3	10	1	2.41856989	-3.809671603
4533	RMND5B	5	1	1.235028949	-3.033500634
4534	NHP2	16	1	3.584330884	3.54685048
4535	HNRNPAB	16	1	3.560087529	2.86502365
4536	PHYKPL	13	1	-2.695258531	0.497559763
4537	CLK4	1	1	-1.963921222	2.420609273
4538	ZNF354A	6	1	-0.710384044	-2.416486465
4539	ZNF354B	4	1	-0.01502132	-1.662197791
4540	ZNF454	15	1	-3.851104888	-1.731452905
4541	ZNF879	6	1	-0.683683905	-2.240746699
4542	ZNF354C	4	1	0.021829689	-0.866517984
4543	ADAMTS2	14	1	-0.829952809	2.78979329
4544	AC109479.1	12	1	-3.073948774	-2.144154512
4545	RUFY1	11	1	2.228411999	0.010765262
4546	HNRNP11	11	1	2.698398915	0.003077335
4547	CANX	3	1	1.262143937	4.125158585
4548	MAML1	9	1	-0.569722983	0.635672726
4549	LTC4S	12	1	-2.938266906	-1.741700851
4550	MGAT4B	12	1	-2.161047134	-1.958170615
4551	SQSTM1	3	1	1.614910093	5.246990479
4552	MRNIP	6	1	-0.554270002	-2.55221697
4553	AC008393.1	17	1	-4.03108159	3.102254666
4554	TBC1D9B	9	1	-1.254442248	0.279731668
4555	RNF130	15	1	-4.026616964	-0.250309788
4556	MAPK9	7	1	1.253131714	-1.018149935

4557	AC008610.1	1	1	-2.436510238	1.929475464
4558	GFPT2	14	1	0.195141029	2.543846406
4559	CNOT6	4	1	0.508498576	-1.62540289
4560	FLT4	10	1	2.419805851	-4.194244109
4561	MGAT1	14	1	-0.470517132	3.031078614
4562	LINC00847	13	1	-3.094999465	0.206818424
4563	ZFP62	4	1	-0.39017472	-1.457191788
4564	AC008443.5	1	1	-2.025353345	2.789011515
4565	TRIM7	7	1	1.95952436	-2.212841712
4566	TRIM41	9	1	-0.65952799	-0.032233797
4567	RACK1	3	1	2.334786978	5.618604935
4568	TRIM52	9	1	-1.066793355	0.158247612
4569	DUSP22	13	1	-2.847114953	-0.659992419
4570	EXOC2	11	1	0.77131286	-1.312789761
4571	HUS1B	6	1	-0.447138938	-3.115322314
4572	FOXQ1	15	1	-3.766405258	-2.185138189
4573	FOXF2	8	1	0.926722017	0.601240597
4574	FOXC1	8	1	0.489383307	0.707395144
4575	GMDS	6	1	-1.032785806	-2.799726926
4576	GMDS-DT	13	1	-1.994208488	-0.353438042
4577	WRNIP1	11	1	0.755895343	-0.221427642
4578	SERPINB1	18	1	-3.435672912	1.72615496
4579	SERPINB9	1	1	-2.246287021	1.668293275
4580	SERPINB6	3	1	2.119044152	4.968973912
4581	LINC01011	1	1	-2.106704626	2.904933013
4582	NQO2	2	1	4.33424243	0.730651445
4583	AL133351.1	15	1	-3.768354568	-1.715635501
4584	RIPK1	5	1	0.166798589	-2.254310094
4585	AL031963.3	20	1	-1.376301441	-4.262470447
4586	BPHL	6	1	-0.491415176	-3.24070593
4587	TUBB2A	2	1	4.410206881	0.527617596
4588	TUBB2B	8	1	0.661425677	0.999303795
4589	PSMG4	2	1	4.503000346	0.225374616
4590	SLC22A23	13	1	-2.805141839	-0.859940611
4591	PXDC1	8	1	0.745311525	1.62982253
4592	AL391422.3	13	1	-2.261964235	-0.377978467
4593	FAM50B	6	1	-1.555856022	-2.905044042
4594	AL590004.4	12	1	-2.179110679	-1.811455213
4595	PRPF4B	2	1	3.112057057	-0.450413548
4596	ECI2	16	1	3.368535367	3.207796372
4597	AL034376.1	6	1	-2.924589071	-3.208474361
4598	CDYL	7	1	2.610624877	-0.567032539
4599	RPP40	5	1	0.843071547	-3.331296168

4600	AL359643.3	12	1	-2.476164255	-1.356545769
4601	AL359643.2	12	1	-2.737262401	-2.380996905
4602	PPP1R3G	1	1	-1.745250496	2.547545709
4603	LYRM4	2	1	3.666689244	0.280492343
4604	FARS2	5	1	1.165362683	-3.191899739
4605	RREB1	9	1	-0.518912169	0.12033198
4606	SSR1	3	1	0.978099552	4.508055486
4607	RIOK1	7	1	3.369256106	-1.203377925
4608	AL031058.1	6	1	-1.843385848	-2.604831897
4609	DSP	4	1	-0.103546697	-1.844766341
4610	SNRNP48	7	1	2.43852314	-2.263089858
4611	BMP6	15	1	-4.053328905	0.10877902
4612	TXNDC5	1	1	-2.270368013	2.055951871
4613	BLOC1S5	4	1	-0.082478243	-1.423732244
4614	EEF1E1	7	1	4.023500052	-1.032229506
4615	SLC35B3	13	1	-2.862959775	-0.295497917
4616	TFAP2A	4	1	-1.814604911	-0.758270584
4617	PAK1IP1	7	1	4.023081151	-1.096348606
4618	TMEM14C	3	1	1.884105053	5.383508004
4619	TMEM14B	16	1	3.90192565	2.918510951
4620	AL357497.1	1	1	-1.751242194	2.923169173
4621	ELOVL2	1	1	-1.366609129	2.071387447
4622	SMIM13	11	1	1.168491927	-0.987478934
4623	NEDD9	8	1	0.314622459	1.057276644
4624	HIVEP1	8	1	0.116157111	0.645693995
4625	EDN1	5	1	0.351601836	-2.531701766
4626	TBC1D7	7	1	2.930434313	-0.503217064
4627	GFOD1	6	1	-1.338944349	-1.78089162
4628	SIRT5	4	1	-1.055396351	-1.637880765
4629	AL441883.1	20	1	-1.174716029	-4.041056358
4630	NOL7	16	1	3.888318148	3.261306323
4631	RANBP9	8	1	1.104614463	0.858283318
4632	MCUR1	2	1	4.351029482	-0.073444747
4633	CD83	19	2	-6.812046442	0.148394041
4634	JARID2	9	1	-0.930888447	0.526561089
4635	DTNBP1	5	1	1.307298031	-2.838004314
4636	MYLIP	9	1	-0.674570236	0.613799102
4637	GMPR	15	1	-3.694462213	-2.132500135
4638	ATXN1	14	1	-0.379199448	2.550750769
4639	RBM24	8	1	0.139262755	1.135140098
4640	CAP2	14	1	-0.701401624	2.552893199
4641	FAM8A1	1	1	-2.180607471	1.510575332
4642	NUP153	5	1	2.047732678	-2.953352176

4643	AL138724.1	5	1	1.291499939	-2.66604539
4644	KIF13A	8	1	0.520789084	1.239315726
4645	NHLRC1	5	1	0.111046542	-2.414835893
4646	TPMT	2	1	3.306309786	-0.484910153
4647	KDM1B	4	1	-0.284121844	-0.788265072
4648	DEK	16	1	2.780916062	3.439870633
4649	RNF144B	8	1	0.433309165	1.194770373
4650	AL022068.1	6	1	-1.701155338	-3.536674462
4651	ID4	6	1	-2.553976211	-3.566602908
4652	MBOAT1	10	1	2.364967671	-4.263061725
4653	E2F3	7	1	1.766850915	-0.741365873
4654	CDKAL1	5	1	1.960233179	-2.984487258
4655	SOX4	17	1	-3.469737443	2.336811818
4656	CASC15	17	1	-3.68526164	2.259974159
4657	MRS2	4	1	-0.080144885	-2.082943641
4658	ALDH5A1	6	1	-2.375630769	-3.003744565
4659	TDP2	11	1	0.804866758	-0.725162588
4660	ACOT13	2	1	3.784717885	1.193281211
4661	C6orf62	8	1	0.523917076	1.891490616
4662	GMNN	10	1	2.778235045	-3.834943496
4663	RIPOR2	18	1	-3.310692701	1.221219398
4664	CARMIL1	12	1	-2.758136425	-2.471581184
4665	TRIM38	9	1	-0.690596315	0.706280537
4666	U91328.1	4	1	-0.096476722	-1.480352603
4667	HIST1H1A	10	1	2.270241108	-4.575515948
4668	HIST1H3A	10	1	2.148906079	-4.414837562
4669	HIST1H4A	10	1	2.221842852	-4.290510379
4670	HIST1H4B	10	1	2.280757514	-4.573451244
4671	HIST1H3B	10	1	2.255489913	-4.555833064
4672	HIST1H2AF	10	1	2.242636767	-4.538619243
4673	HIST1H2BE	10	1	2.218331423	-4.517898761
4674	HIST1H3C	10	1	2.312314597	-4.572571479
4675	HIST1H1C	10	1	2.144519654	-4.462180339
4676	HFE	1	1	-1.695679101	0.678920723
4677	HIST1H4C	16	1	3.458589879	3.954525508
4678	HIST1H2BC	10	1	2.04446992	-4.326102935
4679	HIST1H2AC	13	1	-3.750684175	-0.098410182
4680	HIST1H1E	10	1	2.246986952	-4.488669597
4681	HIST1H2BD	17	1	-2.834719333	2.359381951
4682	AL353759.1	17	1	-4.717099103	3.064819611
4683	HIST1H2BE	10	1	2.363704291	-4.342974387
4684	HIST1H4D	10	1	2.21036562	-4.518819057
4685	AL031777.3	10	1	1.996734348	-4.226817809

4686	HIST1H2BF	10	1	2.230421868	-4.539425574
4687	HIST1H4E	10	1	2.00520083	-4.36229869
4688	HIST1H2BC	17	1	-4.826435003	3.028147973
4689	HIST1H2AF	10	1	2.099897233	-4.359894
4690	HIST1H3E	10	1	2.079265919	-4.237855636
4691	HIST1H1D	10	1	2.39713296	-4.531989776
4692	HIST1H4F	10	1	2.253486958	-4.545684539
4693	HIST1H3F	10	1	2.241731492	-4.542886935
4694	HIST1H2BF	10	1	2.432317105	-3.481620275
4695	HIST1H3G	10	1	2.558157769	-4.466205321
4696	HIST1H2BI	10	1	2.273090926	-4.60368415
4697	HIST1H4H	10	1	2.032870141	-4.348239623
4698	BTN3A2	1	1	-1.781954798	2.545579709
4699	BTN2A2	9	1	-0.004036456	-0.153058373
4700	BTN3A1	1	1	-1.818381938	2.354380287
4701	BTN3A3	1	1	-1.587163243	1.943434156
4702	BTN2A1	8	1	0.532888558	1.204641558
4703	HCG11	13	1	-2.082695636	-0.474024199
4704	HMGH4	6	1	-0.304656896	-3.151257478
4705	ABT1	7	1	3.149642077	-1.59382423
4706	ZNF322	12	1	-2.519503269	-1.847917043
4707	LINC00240	1	1	-2.56406537	1.332761742
4708	HIST1H2BJ	6	1	-0.647053453	-3.886635505
4709	HIST1H2AC	10	1	2.331185427	-4.592565738
4710	HIST1H4I	10	1	2.365213481	-4.540375911
4711	HIST1H2BK	10	1	2.073379841	-4.358621799
4712	HIST1H2AF	10	1	2.285451022	-4.553610049
4713	ZNF184	11	1	0.742708293	-1.342380844
4714	HIST1H2BI	10	1	2.254662362	-4.532614432
4715	HIST1H2AJ	10	1	2.245405522	-4.552350246
4716	HIST1H3H	10	1	2.133075562	-4.381751262
4717	HIST1H2AJ	10	1	2.249493208	-4.569121085
4718	HIST1H2BM	10	1	2.167220917	-4.434848033
4719	HIST1H2BN	10	1	3.374590245	-3.636736594
4720	HIST1H2AK	10	1	2.12781271	-4.429575168
4721	HIST1H2AI	10	1	2.28733286	-4.579377853
4722	HIST1H1B	10	1	2.360734787	-4.558870517
4723	HIST1H3I	10	1	2.13488349	-4.455517493
4724	HIST1H3J	10	1	2.165397254	-4.40199443
4725	HIST1H2AM	10	1	2.379717198	-4.54520341
4726	HIST1H2BC	10	1	2.248856392	-4.55414363
4727	AL121944.1	13	1	-3.82499257	-0.583572827
4728	SCAN16-AS	18	1	-2.988375816	1.908721842

4729	ZSCAN16	5	1	0.922558752	-2.745746576
4730	ZKSCAN8	1	1	-1.163922939	1.53592316
4731	ZSCAN9	11	1	0.579007772	-1.384784185
4732	ZKSCAN4	1	1	-2.117331895	1.171141721
4733	NKAPL	12	1	-3.078916702	-1.524954282
4734	ZSCAN26	6	1	-1.418347511	-2.079678022
4735	PGBD1	5	1	1.614152756	-2.980997764
4736	ZSCAN31	12	1	-3.200486574	-2.196844541
4737	ZKSCAN3	4	1	-0.674904856	-1.053788744
4738	ZSCAN12	11	1	0.597297636	-1.111324035
4739	ZBED9	13	1	-2.322811279	0.239209987
4740	AL049543.1	6	1	-1.064501914	-2.703240834
4741	TRIM27	11	1	2.019879547	0.013902135
4742	AL645937.4	14	1	-0.377018932	3.057420291
4743	GABBR1	9	1	-1.289675865	0.351223822
4744	HLA-F	15	1	-4.493973646	-0.070850812
4745	HLA-A	3	1	1.056166258	4.821453847
4746	ZNRD1	2	1	3.500989523	1.065846778
4747	PPP1R11	2	1	4.075727072	0.709693827
4748	TRIM26	5	1	0.547426608	-2.669360601
4749	HCG18	9	1	-0.618166897	-0.475577258
4750	TRIM39	4	1	-0.872365806	-0.691327773
4751	RPP21	6	1	-1.13978723	-2.028352462
4752	HLA-E	3	1	0.749017265	4.462376393
4753	GNL1	2	1	3.87298688	-0.440830194
4754	PRR3	9	1	-0.415227208	-0.432386361
4755	ABCF1	7	1	3.544456568	-1.292318426
4756	PPP1R10	11	1	1.965143171	0.532521136
4757	MRPS18B	2	1	4.324423399	-0.416942261
4758	ATAT1	4	1	-0.437319699	-1.778872453
4759	C6orf136	5	1	0.908743468	-1.522517525
4760	DHX16	7	1	2.409859267	-1.621493541
4761	PPP1R18	8	1	0.466244724	1.471496977
4762	NRM	10	1	3.310324517	-3.498053514
4763	MDC1	10	1	2.944583741	-3.097118817
4764	TUBB	3	1	2.573923674	3.864979543
4765	FLOT1	16	1	3.377875414	3.42453698
4766	IER3-AS1	12	1	-3.402493629	-1.411565386
4767	IER3	3	1	1.456648794	5.105850495
4768	HCG20	15	1	-4.390508089	-1.311209999
4769	DDR1	13	1	-2.492360506	-0.765740834
4770	VAR2	4	1	0.353127238	-1.734367095
4771	PSORS1C1	13	1	-3.410543355	0.461327821

4772	CCHCR1	5	1	1.987675634	-3.039597474
4773	TCF19	10	1	2.740419713	-3.9772956
4774	AL662844.4	20	1	-0.847847971	-4.592120372
4775	HCG27	1	1	-1.129435095	1.944008268
4776	HLA-C	3	1	1.167459217	4.812541283
4777	HLA-B	3	1	0.830508259	4.496751107
4778	AL645933.2	4	1	-1.098781976	-1.626296006
4779	MICA	18	1	-3.174440536	2.069189347
4780	LINC01149	17	1	-4.930303964	3.299287118
4781	MICB	11	1	0.574665633	-0.248924397
4782	DDX39B	1	1	-0.948443028	1.72487954
4783	NFKBIL1	14	1	-1.58442727	3.222945489
4784	LST1	19	2	-7.359965238	0.260357916
4785	AIF1	19	2	-7.408896837	0.254977718
4786	PRRC2A	7	1	2.282876101	-1.051270925
4787	BAG6	11	1	1.88610622	-0.081094735
4788	APOM	6	1	-1.792751822	-3.30260583
4789	C6orf47	5	1	-0.182768616	-2.630871736
4790	GPANK1	2	1	3.771185484	-0.562951885
4791	CSNK2B	3	1	2.734765139	4.876287736
4792	LY6G5C	6	1	-2.236006412	-3.134774171
4793	DDAH2	12	1	-2.404908332	-2.012691461
4794	CLIC1	16	1	3.272033778	3.882889308
4795	MSH5	10	1	2.67827591	-3.401370488
4796	VAR5	7	1	3.545330611	-1.023159109
4797	LSM2	10	1	4.036750403	-2.23316785
4798	HSPA1L	1	1	-2.094905529	0.911589838
4799	HSPA1A	2	1	3.892423716	0.444895819
4800	HSPA1B	4	1	0.460755107	-1.517605983
4801	C6orf48	3	1	0.888337341	4.500974454
4802	NEU1	18	1	-3.597943935	0.717376806
4803	EHMT2	7	1	2.380593386	-1.008845531
4804	C2	1	1	-2.208106431	2.431113995
4805	CFB	1	1	-1.781144533	2.876264848
4806	NELFE	3	1	2.472787467	3.968080558
4807	SKIV2L	1	1	-1.689679775	0.590100102
4808	DXO	6	1	-0.948884818	-2.770497762
4809	STK19	14	1	-1.453696045	3.185130395
4810	TNXB	1	1	-1.837331447	2.418603219
4811	ATF6B	9	1	-1.400596771	0.373068778
4812	FKBPL	5	1	0.612708297	-2.870224916
4813	PRRT1	18	1	-3.585610065	1.392845906
4814	AL662884.4	1	1	-2.246757183	2.451480664

4815	PPT2	4	1	-0.675969395	-1.071346961
4816	AGPAT1	14	1	-1.031976137	2.769025124
4817	RNF5	7	1	3.371282187	-1.747000657
4818	AGER	1	1	-1.606430325	2.216149248
4819	PBX2	1	1	-1.549251351	2.081603564
4820	GPSM3	6	1	-1.329703364	-2.107553683
4821	HLA-DRA	19	2	-7.464440736	0.275470532
4822	HLA-DRB5	19	2	-7.467376623	0.227277569
4823	HLA-DRB1	19	2	-7.413470659	0.247104116
4824	HLA-DQA1	19	2	-7.475146207	0.27611538
4825	HLA-DQB1	19	2	-7.367934617	0.252051376
4826	TAP2	4	1	0.423111108	-1.723477327
4827	PSMB8	2	1	3.351559248	1.264274515
4828	PSMB8-AS1	15	1	-3.967071924	-1.058997832
4829	PSMB9	1	1	-1.086565766	2.506438292
4830	TAP1	1	1	-1.163781318	2.425655879
4831	HLA-DMB	19	2	-7.406795892	0.23194883
4832	HLA-DMA	19	2	-6.581752691	0.210387461
4833	BRD2	8	1	0.192864534	1.982938088
4834	HLA-DPA1	19	2	-7.027884397	0.186790876
4835	HLA-DPB1	6	1	-1.987444553	-2.472963058
4836	RXRB	9	1	-0.573079261	-0.002671831
4837	SLC39A7	3	1	0.896126535	4.48518113
4838	RING1	4	1	-1.86008409	-0.890731894
4839	VPS52	5	1	0.157617432	-2.148103439
4840	RPS18	3	1	2.30997571	5.65155486
4841	B3GALT4	1	1	-2.321572933	3.009645976
4842	WDR46	2	1	4.441139784	-0.560610853
4843	PFDN6	2	1	4.263917532	-0.916248881
4844	RGL2	1	1	-1.655240926	1.485741533
4845	TAPBP	14	1	0.030458616	3.119886674
4846	ZBTB22	13	1	-1.996542129	-0.184490524
4847	DAXX	18	1	-3.063122186	2.089819707
4848	KIFC1	10	1	3.996623602	-3.669914447
4849	PHF1	1	1	-1.632700595	2.624717988
4850	CUTA	3	1	2.853484002	5.035845078
4851	SYNGAP1	1	1	-1.981862697	2.381408967
4852	ZBTB9	10	1	3.625460711	-2.64951583
4853	BAK1	6	1	-0.610930893	-2.619235002
4854	ITPR3	4	1	-0.229105833	-0.93173834
4855	UQCC2	16	1	3.997762528	3.902568139
4856	IP6K3	13	1	-3.512790832	-0.579244815
4857	LEMD2	8	1	-0.019106637	1.087169863

4858	HMGA1	16	1	3.214662877	3.401751555
4859	SMIM29	7	1	2.108871308	-0.66871699
4860	NUDT3	7	1	1.816974249	-1.198652111
4861	RPS10	3	1	1.915046659	5.501858033
4862	C6orf106	11	1	1.470253554	-0.4789811
4863	AL451165.2	18	1	-3.213168296	1.221385218
4864	SNRPC	16	1	4.001770344	3.036919631
4865	UHRF1BP1	8	1	0.491575238	0.547218539
4866	TAF11	18	1	-3.521214637	1.713080324
4867	ANKS1A	4	1	-0.945018622	-1.546554052
4868	TCP11	1	1	-0.512699816	1.6024094
4869	SCUBE3	15	1	-4.149636182	-1.740229331
4870	ZNF76	6	1	-1.01879147	-2.170420133
4871	DEF6	5	1	1.72815856	-2.382881843
4872	PPARD	11	1	0.880896953	-0.627120339
4873	FANCE	10	1	2.473553029	-3.770308219
4874	RPL10A	3	1	2.186596003	5.620573796
4875	TEAD3	9	1	-0.83636907	0.192589335
4876	FKBP5	7	1	2.850541916	-2.584742271
4877	SRPK1	7	1	3.769260731	-1.19162079
4878	MAPK14	1	1	-0.351200196	2.129399933
4879	MAPK13	13	1	-3.076654825	0.478262394
4880	Z84485.1	1	1	-1.86250082	2.106475271
4881	BRPF3	9	1	-0.620404753	-0.320446633
4882	ETV7	13	1	-2.275812778	-0.780335985
4883	KCTD20	8	1	0.402801987	1.149575747
4884	STK38	6	1	-0.956087026	-2.053123437
4885	SRSF3	16	1	3.475089875	2.938251771
4886	CDKN1A	13	1	-2.6317772	-0.539457046
4887	CPNE5	1	1	-1.981005821	2.595247306
4888	PPIL1	7	1	3.922937956	-1.370903336
4889	C6orf89	13	1	-3.600250158	0.086076088
4890	PI16	15	1	-3.719715986	-1.483368598
4891	MTCH1	3	1	1.81864914	4.855725087
4892	PIM1	1	1	-1.914412889	3.173829593
4893	TMEM217	17	1	-4.861055288	2.845040597
4894	TBC1D22B	9	1	-0.62069616	0.696208663
4895	RNF8	2	1	3.322441903	-0.686447464
4896	CMTR1	11	1	0.550886002	-0.418663524
4897	CCDC167	2	1	4.342448321	0.581407718
4898	MDGA1	4	1	-0.835549447	-1.396630489
4899	ZFAND3	14	1	-1.126138362	3.037403382
4900	BTBD9	4	1	-1.340590748	-1.497271501

4901	GLO1	7	1	4.019641724	-1.273496591
4902	SAYSD1	6	1	-1.189584527	-2.941438161
4903	DAAM2	15	1	-3.463571462	-1.662556611
4904	MOCS1	6	1	-1.355587277	-2.336004459
4905	OARD1	7	1	2.870731917	-2.546996556
4906	NFYA	5	1	1.124742833	-1.772956096
4907	TREM2	19	2	-7.429963979	0.258434184
4908	TREM1	17	1	-2.779727849	2.832949199
4909	FOXP4-AS1	4	1	0.170051736	-1.708554708
4910	FOXP4	4	1	-0.479723188	-1.009932481
4911	MDFI	12	1	-2.255895767	-2.719623529
4912	TFEB	4	1	-1.126845631	-0.996311985
4913	AL365205.1	4	1	0.288481173	-0.877552353
4914	USP49	1	1	-1.326609525	2.224569358
4915	MED20	5	1	0.395964679	-2.257333242
4916	BYSL	7	1	3.729199973	-1.149667822
4917	CCND3	7	1	3.673878279	-1.660233699
4918	TAF8	11	1	0.559427944	-1.284874283
4919	AL512274.1	1	1	-1.524899635	2.321132935
4920	C6orf132	4	1	-0.737499508	-1.559199058
4921	GUCA1A	1	1	-2.057208213	2.329462565
4922	MRPS10	2	1	4.471640673	-0.425219022
4923	TRERF1	5	1	1.079674449	-1.541948043
4924	UBR2	8	1	0.293608394	0.845405973
4925	PRPH2	13	1	-2.6845018	0.517057441
4926	TBCC	5	1	0.947495368	-3.289963685
4927	BICRAL	9	1	-0.937681052	0.26947084
4928	RPL7L1	2	1	4.142392722	-0.758999072
4929	C6orf226	6	1	-1.957891259	-3.340327941
4930	CNPY3	14	1	-0.991732749	3.567297257
4931	PEX6	1	1	-1.934245977	2.232455291
4932	PPP2R5D	10	1	3.830552426	-2.95008608
4933	MEA1	2	1	4.674379435	0.461169861
4934	KLHDC3	12	1	-2.929665002	-1.089781486
4935	RRP36	2	1	4.454986659	0.14034941
4936	CUL7	1	1	-1.741692099	2.311922349
4937	KLC4	1	1	-1.733379516	1.710948027
4938	MRPL2	2	1	4.374598113	-0.244119249
4939	PTK7	14	1	-0.619278404	4.194156684
4940	SRF	9	1	-0.088570404	0.105956323
4941	CUL9	9	1	-1.017762694	0.18328876
4942	DNPH1	2	1	4.537638274	0.40417264
4943	ZNF318	5	1	0.608368245	-1.590032779

4944	ABCC10	6	1	-1.373116765	-1.793912374
4945	DLK2	6	1	-1.46137825	-3.313861571
4946	TJAP1	9	1	0.022720419	-0.591156028
4947	LRRC73	15	1	-4.423682126	-1.188166224
4948	POLR1C	5	1	1.073965278	-3.25036379
4949	YIPF3	3	1	1.242110816	5.006918706
4950	XPO5	5	1	1.717864481	-1.919298612
4951	POLH	10	1	3.271991339	-2.996750556
4952	GTPBP2	8	1	0.589284268	2.051391281
4953	MAD2L1BF	11	1	0.795520452	-1.407901369
4954	RSPH9	13	1	-3.068481597	0.462710932
4955	MRPS18A	2	1	4.412192908	-0.088790439
4956	VEGFA	3	1	0.594958392	4.045275248
4957	AL109615.3	1	1	-1.516908917	2.259618439
4958	MRPL14	16	1	3.777783003	3.334537305
4959	TMEM63B	9	1	-1.056070003	-0.346535586
4960	CAPN11	6	1	-0.497795197	-2.366419278
4961	SLC29A1	10	1	2.36048564	-3.617601358
4962	HSP90AB1	3	1	2.19602212	4.12475995
4963	SLC35B2	14	1	-0.05300891	2.620656051
4964	NFKBIE	8	1	0.808815983	0.465477206
4965	AARS2	5	1	1.27873489	-2.201465331
4966	CDC5L	7	1	3.821943846	-1.158719145
4967	SUPT3H	1	1	-2.552955064	1.951639928
4968	RUNX2	1	1	-0.818036291	1.162441052
4969	RCAN2	8	1	0.868146983	0.666536726
4970	SLC25A27	15	1	-4.341311368	-0.67925819
4971	PLA2G7	19	2	-7.481824312	0.276598863
4972	ADGRF5	12	1	-2.474580202	-2.125012599
4973	TNFRSF21	18	1	-2.840018901	1.767274298
4974	AL355353.1	13	1	-3.449596796	-0.720982395
4975	CD2AP	8	1	0.11188062	1.97451476
4976	ADGRF4	15	1	-4.126260194	0.339387573
4977	PTCHD4	12	1	-3.020543489	-1.411015712
4978	MUT	9	1	-0.779212746	0.781893201
4979	CENPQ	10	1	2.880483237	-3.999672614
4980	MCM3	10	1	2.47403678	-4.12775489
4981	PAQR8	1	1	-1.99353877	0.991694785
4982	EFHC1	18	1	-3.867413673	1.508488215
4983	TRAM2	8	1	0.748593417	2.102245368
4984	TRAM2-AS1	12	1	-2.766829643	-2.828682624
4985	TMEM14A	2	1	3.973195401	0.761987962
4986	GSTA4	13	1	-3.73221961	-0.763310991

4987	ICK	6	1	-1.644757542	-3.491407119
4988	FBXO9	2	1	3.982358065	0.566350363
4989	ELOVL5	14	1	-0.307040784	3.021877326
4990	AL034374.1	12	1	-3.124265584	-1.834851705
4991	GCLC	4	1	-0.12510908	-0.550000571
4992	LINC01564	15	1	-4.575207147	-1.206946813
4993	LRRC1	1	1	-1.854123625	0.762363501
4994	COL21A1	15	1	-4.580325517	-1.517047368
4995	DST	3	1	2.235253659	2.890955247
4996	BEND6	12	1	-2.786556158	-1.069090806
4997	KIAA1586	5	1	1.526139346	-1.811357223
4998	ZNF451	14	1	-0.041148539	2.289242424
4999	ZNF451-AS	6	1	-1.257445368	-2.888789378
5000	BAG2	14	1	-1.075511965	3.373769082
5001	RAB23	1	1	-0.563585076	2.269257583
5002	PRIM2	10	1	2.744096604	-3.657491885
5003	AL021368.2	1	1	-1.530671987	2.171710171
5004	FKBP1C	6	1	-1.24136785	-2.74671384
5005	PTP4A1	17	1	-3.16181818	2.774618186
5006	AL135905.1	12	1	-2.866648111	-1.327230178
5007	PHF3	8	1	1.184358206	1.529293217
5008	AL354719.2	17	1	-4.708994302	3.031939067
5009	LMBRD1	18	1	-3.017381343	0.84418533
5010	COL19A1	4	1	-2.058115634	-0.795424544
5011	FAM135A	9	1	-0.296273831	-0.340417408
5012	SDHAF4	1	1	-2.066354904	1.225975908
5013	SMAP1	13	1	-3.500761899	-0.43202629
5014	B3GAT2	1	1	-1.914802823	2.782222546
5015	OGFRL1	14	1	0.532524583	2.766148604
5016	LINC00472	1	1	-1.507105503	1.733730115
5017	RIMS1	6	1	-1.893524918	-2.826287233
5018	KCNQ5	5	1	1.066092816	-3.112408124
5019	KHDC1	6	1	-0.344323787	-3.315860473
5020	AC019205.1	4	1	-0.591804299	-0.653162681
5021	DDX43	18	1	-3.557118091	1.423052229
5022	CGAS	10	1	2.262962189	-3.254304849
5023	MTO1	5	1	0.727285948	-1.980626784
5024	EEF1A1	3	1	1.630445567	5.256535806
5025	SLC17A5	14	1	-0.916801187	2.869109906
5026	CD109	1	1	-1.229788694	2.303282298
5027	COL12A1	3	1	0.661151615	4.672030724
5028	COX7A2	3	1	2.664805975	5.088545121
5029	TMEM30A	14	1	0.371410337	2.569542207

5030	FILIP1	13	1	-3.189260158	-0.83051046
5031	SENP6	8	1	1.525987592	1.093634702
5032	MYO6	8	1	0.952392903	1.156381763
5033	AL121718.1	8	1	0.825451818	1.364660598
5034	IRAK1BP1	6	1	0.038151327	-3.100730382
5035	PHIP	7	1	2.452736702	-0.747513138
5036	HMGN3	2	1	4.521907416	0.480922907
5037	HMGN3-AS	4	1	-1.970137987	-0.875191413
5038	LCA5	4	1	-1.526332292	-0.475473188
5039	SH3BGRL2	9	1	0.147182067	-0.081939869
5040	ELOVL4	9	1	-0.236009064	-0.49315574
5041	TTK	10	1	4.208696929	-3.502158366
5042	BCKDHB	6	1	-0.592790577	-3.256840907
5043	TENT5A	18	1	-3.950522336	1.081049002
5044	IBTK	14	1	-0.402815077	2.591421641
5045	TPBG	3	1	0.961380866	4.268988646
5046	UBE3D	4	1	-0.109527353	-1.519047581
5047	DOPEY1	12	1	-2.341748867	-2.487197601
5048	PGM3	3	1	0.821657863	4.47032813
5049	RWDD2A	13	1	-3.18217555	-0.585357331
5050	ME1	8	1	0.907145646	2.119894661
5051	PRSS35	12	1	-3.417038593	-2.356881581
5052	CYB5R4	11	1	0.596198228	-1.234555923
5053	MRAP2	12	1	-3.361270341	-2.400493346
5054	CEP162	5	1	0.762964395	-3.291528903
5055	TBX18	8	1	0.615756717	0.280438922
5056	NT5E	11	1	1.384545651	0.435739945
5057	SNX14	11	1	1.463427749	0.380923003
5058	SYNCRIP	16	1	3.391117659	2.825054683
5059	AL139274.2	20	1	-1.010649952	-4.480237685
5060	ZNF292	14	1	-1.011977705	2.759421386
5061	GJB7	17	1	-4.865500364	3.229914225
5062	SMIM8	6	1	-0.886982295	-2.883166753
5063	SLC35A1	4	1	-1.547952208	-1.275962435
5064	RARS2	14	1	-1.072473917	3.460737504
5065	ORC3	7	1	2.906807747	-2.725855552
5066	AKIRIN2	7	1	3.133112994	-1.336825572
5067	RNGTT	5	1	1.643203941	-2.080259048
5068	PNRC1	14	1	-1.437333855	3.481574572
5069	SRSF12	6	1	-2.326954278	-3.289461099
5070	PM20D2	5	1	2.323590127	-2.815068685
5071	UBE2J1	14	1	-0.262157175	2.927271642
5072	ANKRD6	15	1	-4.064775381	-1.599465572

5073	LYRM2	2	1	4.627543059	0.218865908
5074	MDN1	7	1	2.393024769	-1.836434566
5075	CASP8AP2	10	1	2.411622849	-3.760220252
5076	BACH2	15	1	-3.880859289	-0.460918151
5077	MAP3K7	8	1	0.504771468	1.579990662
5078	MANEA-D7	1	1	-2.148121747	2.353907741
5079	MANEA	11	1	0.444087294	-0.701014959
5080	UFL1	14	1	-0.437272135	3.294121541
5081	GPR63	9	1	0.379796621	-0.39027264
5082	NDUFAF4	2	1	4.086819735	-0.809139692
5083	MMS22L	10	1	2.632250872	-3.859548293
5084	FBXL4	1	1	-1.231960687	1.552520431
5085	FAXC	5	1	1.849798885	-3.435989343
5086	COQ3	7	1	2.461242762	-2.606190168
5087	PNISR	3	1	1.002614763	4.335516728
5088	AL513550.1	1	1	-2.73991147	1.156482912
5089	USP45	11	1	0.548360076	-1.099417292
5090	TSTD3	12	1	-3.184767637	-1.197964154
5091	CCNC	2	1	3.53035101	-0.50869187
5092	ASCC3	11	1	2.692341176	-0.357365631
5093	AL133338.1	20	1	-1.265392098	-4.046580516
5094	GRIK2	13	1	-1.917602453	0.398181999
5095	HACE1	9	1	-0.383966717	0.312859893
5096	BVES	9	1	-0.63095263	-0.032176279
5097	POPDC3	1	1	-2.258296642	2.377832211
5098	PREP	4	1	0.128778186	-0.752008401
5099	ATG5	2	1	3.61294302	-0.492986702
5100	PRDM1	18	1	-3.435302171	1.929489411
5101	CRYBG1	5	1	1.378350225	-1.371502839
5102	RTN4IP1	7	1	2.319902268	-2.717769586
5103	QRSL1	7	1	1.996866313	-1.796938621
5104	C6orf203	6	1	-0.179060149	-3.390671455
5105	BEND3	5	1	1.657969204	-2.464851104
5106	PDSS2	9	1	-0.327513668	0.285329751
5107	SOBP	15	1	-4.04591361	0.467814497
5108	SEC63	3	1	1.009781626	4.251848973
5109	AL024507.2	12	1	-2.501114997	-2.715993367
5110	OSTM1	6	1	-0.690884087	-2.406423293
5111	SNX3	3	1	2.065913764	5.412308492
5112	AFG1L	6	1	-0.823636505	-3.103689634
5113	FOXO3	8	1	0.221265238	1.828500308
5114	LINC00222	17	1	-4.748483571	3.085788525
5115	ARMC2	15	1	-3.761419925	-1.763913594

5116	SESN1	13	1	-2.581795368	-0.832132779
5117	AL390208.1	1	1	-0.758174929	1.880538858
5118	CEP57L1	10	1	3.604101267	-3.272037469
5119	CD164	3	1	0.717025545	4.33062581
5120	AL359711.2	20	1	-1.399535689	-4.031085693
5121	PPIL6	1	1	-1.839279923	2.822790421
5122	SMPD2	6	1	-1.120430145	-2.800085508
5123	MICAL1	13	1	-2.809849176	-1.009631239
5124	ZBTB24	6	1	-0.602721784	-3.303075753
5125	AK9	5	1	-0.415022943	-2.286589109
5126	FIG4	4	1	-1.533191714	-1.099700652
5127	WASF1	9	1	-0.493853304	-0.253617548
5128	CDC40	2	1	3.710534659	-0.302594207
5129	CDK19	10	1	3.946200457	-2.919911586
5130	AMD1	7	1	3.160579052	-1.027950727
5131	GTF3C6	2	1	4.782193747	1.130147733
5132	RPF2	7	1	4.17283496	-1.089838945
5133	SLC16A10	17	1	-3.172637376	2.548382319
5134	MFSD4B	1	1	-1.341312918	1.504109539
5135	AL080317.2	1	1	-1.445796642	1.286050416
5136	REV3L	8	1	1.157040802	1.018656648
5137	RAF3IP2-A	6	1	-0.171241972	-3.228446685
5138	TRAF3IP2	1	1	-2.131091508	2.226971783
5139	FYN	1	1	-2.231782112	2.461979665
5140	TUBE1	3	1	1.030440596	2.288857378
5141	FAM229B	15	1	-3.842108402	0.099741407
5142	LAMA4	18	1	-3.110479984	2.084764279
5143	Z99289.1	1	1	-2.516102704	2.569526233
5144	AL589684.1	8	1	0.301417676	0.935708321
5145	MARCKS	3	1	1.983392206	4.368539609
5146	HDAC2	16	1	2.936114398	3.133517779
5147	NT5DC1	2	1	3.266861525	1.246136941
5148	TSPYL4	6	1	-0.464103672	-3.237014495
5149	DSE	14	1	-0.120498034	3.049395837
5150	TSPYL1	7	1	1.993955937	-0.391514503
5151	CALHM6	1	1	-2.080853614	2.827314891
5152	AL445224.1	17	1	-4.868222627	3.230741776
5153	TRAPPC3L	17	1	-4.710703763	2.810456075
5154	CALHM5	13	1	-2.231631193	-0.419416212
5155	CALHM4	17	1	-4.783121023	3.250171698
5156	RWDD1	3	1	2.208166924	5.553530969
5157	ZUP1	4	1	0.467016753	-1.486872278
5158	KPNA5	9	1	-0.587539467	-0.11633905

5159	DCBLD1	2	1	3.958626357	1.059951998
5160	GOPC	2	1	4.088143435	1.129565216
5161	NUS1	8	1	0.400492546	2.065673865
5162	CEP85L	9	1	-0.919728908	0.668667294
5163	PLN	1	1	-0.71206269	2.129704155
5164	MCM9	11	1	0.948597756	-1.087281309
5165	ASF1A	7	1	2.297374335	-2.2609789
5166	MAN1A1	18	1	-3.804659042	2.038378872
5167	TBC1D32	1	1	-1.687716875	0.567169882
5168	GJA1	14	1	-0.289470139	2.670324601
5169	HSF2	11	1	0.591415551	-0.356249713
5170	SERINC1	14	1	-0.197642851	3.009546555
5171	PKIB	15	1	-4.027820024	-1.233070575
5172	SMPDL3A	15	1	-4.484336767	-0.058982872
5173	NKAIN2	1	1	-2.515222702	0.901938177
5174	RNF217	14	1	-0.581092748	2.584860839
5175	TPD52L1	13	1	-3.207817707	-0.452511274
5176	HDDC2	2	1	3.939765778	1.40067748
5177	HEY2	6	1	-1.705192837	-3.060030423
5178	NCOA7	17	1	-3.549211893	2.253756322
5179	HINT3	1	1	-1.681470546	0.903732456
5180	TRMT11	7	1	2.968724099	-0.543799006
5181	CENPW	10	1	4.112424937	-2.253890239
5182	RSPO3	17	1	-3.500281963	2.365688719
5183	RNF146	13	1	-2.027176294	0.625907846
5184	ECHDC1	2	1	3.96198329	-0.476534628
5185	KIAA0408	1	1	-1.680512938	0.524885259
5186	C6orf58	17	1	-4.34161416	2.884316481
5187	PTPRK	8	1	0.434219626	1.848581947
5188	LAMA2	15	1	-4.389602098	-0.561713062
5189	AL356124.1	5	1	0.646337357	-2.148158752
5190	ARHGAP18	7	1	3.700847474	-1.388519369
5191	L3MBTL3	4	1	-0.435076389	-0.904031836
5192	AL355581.1	6	1	-2.420161638	-3.335036956
5193	SAMD3	6	1	-2.284255418	-3.355377637
5194	TMEM200A	6	1	-2.260501537	-3.445180856
5195	EPB41L2	11	1	2.690757838	-0.367765211
5196	AKAP7	5	1	1.390484896	-3.565615379
5197	MED23	9	1	-0.933300766	-0.051633202
5198	ENPP3	15	1	-4.528795156	-0.437527381
5199	ENPP1	7	1	1.994398203	-1.603214942
5200	CTGF	3	1	1.499644485	4.212226905
5201	AL021408.1	12	1	-3.099533472	-1.813929998

5202	LINC01013	12	1	-2.854447755	-2.125164472
5203	MOXD1	1	1	-1.401459369	2.539525308
5204	STX7	8	1	0.625264493	1.082831301
5205	SLC18B1	12	1	-3.322083864	-2.446953736
5206	RPS12	3	1	2.415268746	5.610675134
5207	TCF21	1	1	-1.294167671	2.063768305
5208	TBPL1	2	1	3.670544711	-0.303816401
5209	SLC2A12	17	1	-2.976040277	2.413195409
5210	SGK1	8	1	0.53814241	0.790597804
5211	AL078590.2	17	1	-4.844367895	3.054842986
5212	ALDH8A1	17	1	-4.81335536	3.15245346
5213	HBS1L	11	1	2.208868113	0.09605632
5214	MYB	10	1	2.571699706	-3.779831611
5215	AHI1	17	1	-3.015298995	2.744408883
5216	PDE7B	17	1	-3.323683891	2.587010897
5217	AL138828.1	17	1	-2.974201831	2.625879086
5218	MTFR2	10	1	3.541772452	-3.802246772
5219	BCLAF1	2	1	3.429954138	-0.541797005
5220	MAP7	17	1	-2.853171262	2.762728967
5221	AL024508.2	17	1	-4.737864408	3.173152484
5222	MAP3K5	8	1	0.78910878	0.546179481
5223	PEX7	6	1	-1.038859877	-2.056816779
5224	IFNGR1	14	1	-1.25569478	3.168358125
5225	AL356234.3	11	1	0.687267569	-0.154479228
5226	LINC02539	6	1	-2.347122583	-2.883237802
5227	AL357060.1	12	1	-2.560187253	-2.777584277
5228	TNFAIP3	1	1	-2.42840806	2.89376644
5229	LINC02528	6	1	-1.442873392	-2.16615697
5230	PERP	8	1	0.53353956	1.284789122
5231	HEBP2	3	1	2.565667716	5.111143388
5232	NHSL1	9	1	-0.18639608	-0.261721634
5233	AL590617.2	3	1	1.203389135	2.50073985
5234	CCDC28A	1	1	-2.296480092	2.391433276
5235	REPS1	5	1	1.476089206	-2.269973479
5236	ABRACL	2	1	3.973132697	-0.819213949
5237	HECA	9	1	-0.504738602	0.809290625
5238	AL031772.1	1	1	-1.875178728	2.568680085
5239	CITED2	3	1	3.035779086	4.276888169
5240	FILNC1	15	1	-4.36054841	-1.238665305
5241	VTA1	7	1	3.165084448	-0.848884426
5242	ADGRG6	1	1	-1.132009658	1.849612273
5243	HIVEP2	8	1	-0.199962381	1.726782121
5244	AL023584.2	1	1	-1.676384601	2.861134089

5245	AL023581.2	15	1	-3.853464517	-1.365587436
5246	AIG1	14	1	-1.322877202	3.584035672
5247	ADAT2	7	1	1.915919986	-2.037350379
5248	PEX3	6	1	0.450448629	-3.414463483
5249	FUCA2	14	1	-0.557283077	3.619816817
5250	PHACTR2	11	1	2.153143254	-0.098228924
5251	LTV1	7	1	4.009411183	-1.025501572
5252	PLAGL1	1	1	-2.295471105	2.722575225
5253	SF3B5	16	1	3.671483841	4.162668027
5254	STX11	4	1	-1.898056421	-1.539268099
5255	UTRN	11	1	1.801828709	0.675230004
5256	EPM2A	4	1	-1.477030549	-0.425803803
5257	FBXO30	9	1	-0.389634642	-0.066251181
5258	AL356599.1	1	1	-1.776281032	2.039496936
5259	SHPRH	11	1	1.566304293	0.643307663
5260	RAB32	3	1	2.191529837	4.616203107
5261	STXBP5-AS	8	1	0.490678158	0.326711993
5262	STXBP5	1	1	-0.693241271	2.176053203
5263	SAMD5	15	1	-4.534142885	-1.249956809
5264	SASH1	14	1	-0.334555361	2.454483546
5265	UST	12	1	-3.018199596	-1.58123859
5266	TAB2	8	1	0.456001547	1.354624308
5267	SUMO4	9	1	-1.487116608	0.391978928
5268	PPIL4	2	1	3.369999495	-0.020726465
5269	GINM1	14	1	-0.263979468	4.001795806
5270	KATNA1	7	1	2.857632723	-1.068293534
5271	LATS1	9	1	-0.369954589	-0.016372405
5272	NUP43	10	1	2.994854298	-3.170198642
5273	PCMT1	2	1	4.317581263	-0.852570258
5274	LRP11	1	1	-1.274642977	1.624766744
5275	AL355312.4	12	1	-2.560065898	-2.090386592
5276	RAET1G	15	1	-4.316877279	0.128732018
5277	ULBP2	8	1	0.24555735	0.97105471
5278	ULBP1	8	1	0.494701204	0.246633135
5279	ULBP3	6	1	-0.952817294	-3.743660175
5280	PPP1R14C	6	1	-2.235245618	-2.91619321
5281	MTHFD1L	3	1	2.153972235	4.104024209
5282	AKAP12	14	1	-0.465059134	2.611249484
5283	ZBTB2	5	1	0.702861753	-2.587902509
5284	RMND1	7	1	2.191143122	-0.995144449
5285	ARMT1	2	1	3.112642375	-0.288533055
5286	SYNE1	8	1	1.045656648	1.185604907
5287	MYCT1	8	1	0.609872666	0.818622179

5288	FBXO5	10	1	2.974382725	-4.192822658
5289	AL080276.2	20	1	-1.039871845	-4.169984065
5290	MTRF1L	2	1	3.738640872	-0.104239784
5291	RGS17	17	1	-3.709333095	2.233294882
5292	AL590867.1	9	1	-0.57597259	0.47304783
5293	CNKSR3	5	1	1.151464191	-2.048715078
5294	SCAF8	11	1	0.85000911	-1.337968193
5295	TIAM2	4	1	-0.527936134	-1.306360089
5296	TFB1M	2	1	3.154229489	-0.486177288
5297	ARID1B	8	1	1.363174048	1.207331575
5298	TMEM242	2	1	3.420331803	-0.364007019
5299	ZDHHC14	6	1	-1.18389574	-1.875549995
5300	SNX9	8	1	0.869449165	1.831070103
5301	SYNJ2	11	1	2.521447506	-0.490312718
5302	SERAC1	8	1	-0.132747549	1.322993673
5303	GTF2H5	3	1	2.545414057	5.010146417
5304	TULP4	11	1	1.952495661	-0.230615162
5305	TMEM181	8	1	0.464581993	2.06914369
5306	DYNLT1	3	1	3.06505641	4.426041879
5307	SYTL3	1	1	-2.0572373	1.081133224
5308	EZR	16	1	3.248442259	2.738987721
5309	C6orf99	12	1	-2.671208772	-2.133689366
5310	RSPH3	9	1	-1.910377297	0.043445267
5311	AL078604.2	17	1	-4.563743028	3.17836336
5312	SOD2	14	1	-1.6175845	3.085302867
5313	WTAP	11	1	2.071705666	0.722707517
5314	ACAT2	2	1	4.477780905	-0.517935775
5315	TCP1	16	1	3.468445864	2.964343585
5316	MRPL18	2	1	4.820775118	0.56474664
5317	IGF2R	8	1	0.428710279	2.023122348
5318	SLC22A1	15	1	-3.510529432	-1.818579637
5319	SLC22A2	15	1	-4.79313651	-1.037461601
5320	AL162582.1	15	1	-3.502821359	-1.827843152
5321	SLC22A3	13	1	-3.255247983	-0.521589957
5322	AL139393.2	6	1	-2.693242702	-3.145110332
5323	MAP3K4	7	1	2.418208209	-1.212801896
5324	AGPAT4	17	1	-2.781517896	2.656937398
5325	CAHM	20	1	-0.996452364	-4.43330022
5326	QKI	8	1	1.371225682	1.357892073
5327	PDE10A	1	1	-0.929153952	1.422320045
5328	LINC00473	17	1	-3.020655546	2.721562899
5329	SFT2D1	14	1	0.601254728	2.674535312
5330	MPC1	2	1	4.134402361	0.832020677

5331	RPS6KA2	3	1	1.239687052	2.529718198
5332	AL159163.1	6	1	-1.303860459	-3.358115159
5333	RNASET2	13	1	-3.735834751	-0.197623633
5334	Z94721.1	10	1	3.750526753	-3.437003575
5335	FGFR1OP	10	1	3.56947383	-3.163198434
5336	AFDN-DT	1	1	-2.529351625	2.438468016
5337	AFDN	7	1	2.670901385	-0.920600616
5338	SMOC2	15	1	-4.90130845	-1.06274315
5339	AL109924.2	15	1	-3.934136066	-1.147234999
5340	LINC01615	13	1	-3.034981164	0.082692422
5341	THBS2	3	1	0.617831197	4.558543481
5342	WDR27	1	1	-0.790742788	1.335114576
5343	C6orf120	2	1	3.563322869	0.233451687
5344	PHF10	14	1	-0.670877609	2.462623156
5345	AL354892.2	17	1	-4.672363195	3.231139459
5346	TCTE3	20	1	-0.92163423	-4.468754016
5347	ERMARD	9	1	-0.549806449	-0.425275348
5348	FAM120B	4	1	-0.831490848	-0.594029151
5349	PSMB1	16	1	3.604679194	4.15161208
5350	TBP	9	1	0.17323519	-0.610332512
5351	PDCD2	2	1	4.478952971	-0.42933669
5352	AC093627.6	17	1	-3.291274938	2.938517131
5353	AC093627.4	15	1	-4.499219808	-0.237391018
5354	FAM20C	1	1	-0.607412788	2.048250951
5355	PDGFA	4	1	-2.016356143	-1.35962423
5356	AC147651.1	8	1	0.033966119	1.194878556
5357	PRKAR1B	4	1	-1.93292025	-1.407053791
5358	DNAAF5	7	1	2.011779037	-2.182758294
5359	SUN1	8	1	0.685585824	1.539993562
5360	ADAP1	13	1	-1.994901571	-0.593202733
5361	COX19	3	1	1.619246569	1.867955245
5362	C7orf50	16	1	3.95754632	3.920773066
5363	GPR146	1	1	-2.422555122	3.056869305
5364	GPFR1	6	1	-1.464124593	-3.103070222
5365	ZFAND2A	4	1	-0.030410323	-1.642718517
5366	AC091729.3	13	1	-3.110755834	-0.078692757
5367	MICALL2	4	1	-1.104520711	-0.891003572
5368	AC102953.2	1	1	-1.646110448	0.530653186
5369	INTS1	7	1	2.20166358	-0.920608841
5370	MAFK	4	1	-0.581507835	-0.898146115
5371	TMEM184A	4	1	-0.235297594	-1.378617369
5372	PSMG3	2	1	4.482611743	-0.188849114
5373	PSMG3-AS1	12	1	-2.36433712	-2.681559049

5374	ELFN1	18	1	-3.19782916	1.210834183
5375	MAD1L1	5	1	1.514506188	-3.045348607
5376	MRM2	7	1	2.324833479	-2.604891263
5377	NUDT1	10	1	4.202414599	-1.957335435
5378	SNX8	2	1	4.416627017	-0.563068174
5379	EIF3B	7	1	3.112871256	-1.001126729
5380	CHST12	15	1	-3.81246272	-0.962048255
5381	LFNG	5	1	1.289140907	-2.963551007
5382	BRAT1	5	1	0.260044974	-2.46193
5383	IQCE	6	1	-0.723652575	-2.876409255
5384	TTYH3	9	1	-0.538984093	-0.306660675
5385	GNA12	8	1	0.241990742	1.917879618
5386	CARD11	4	1	-1.070568475	-1.415208183
5387	FOXK1	1	1	-0.978249821	2.114115752
5388	AP5Z1	4	1	-1.056594166	-1.064045631
5389	RADIL	10	1	2.102576104	-3.562705718
5390	AK-RBAK1	6	1	-1.362501893	-2.88738247
5391	RBAK	9	1	-0.98023561	0.704111255
5392	WIPI2	14	1	-0.005006551	2.170756258
5393	SLC29A4	12	1	-2.444058809	-1.546047531
5394	TNRC18	8	1	-0.043382275	1.628350891
5395	AC092171.5	12	1	-3.042621288	-2.343501054
5396	FBXL18	4	1	-0.396858636	-1.083732926
5397	AC092171.2	9	1	0.042001347	0.125447966
5398	ACTB	3	1	2.231745091	4.494887627
5399	FSCN1	3	1	2.21116766	3.832829989
5400	RNF216	11	1	2.053623286	0.057389952
5401	CCZ1	9	1	-1.138359937	0.293891556
5402	PMS2	4	1	-0.615073356	-1.921402656
5403	AIMP2	2	1	4.30686101	-0.309403204
5404	EIF2AK1	8	1	0.318705615	2.136053003
5405	ANKRD61	7	1	2.371478167	-1.964301788
5406	USP42	4	1	0.176648316	-1.344202958
5407	CYTH3	8	1	-0.001685567	1.306800641
5408	FAM220A	1	1	-1.516900334	0.673175908
5409	RAC1	3	1	3.090266552	4.457519807
5410	DAGLB	9	1	-0.98915759	-0.468757414
5411	KDEL2	3	1	1.455629197	4.932858743
5412	ZDHHC4	14	1	-1.262135896	3.602124013
5413	C7orf26	5	1	0.885591891	-2.688202344
5414	ZNF853	12	1	-2.511006269	-2.189171754
5415	ZNF316	4	1	-0.1132146	-1.516008698
5416	ZNF12	4	1	-0.720256481	-0.634489976

5417	CCZ1B	9	1	-0.05334926	-0.368210457
5418	C1GALT1	7	1	1.728735891	-0.825494968
5419	AC004982.2	15	1	-3.613143119	-1.952092611
5420	MIOS	5	1	0.737791565	-2.178589784
5421	RPA3	10	1	4.097797957	-2.21262046
5422	UMAD1	6	1	-0.616584274	-2.266618692
5423	GLCCI1	4	1	-1.371290001	-0.593383096
5424	NDUFA4	3	1	3.176231232	4.852190293
5425	PHF14	7	1	3.087411728	-0.67772492
5426	THSD7A	15	1	-4.533286962	-0.884010874
5427	TMEM106B	11	1	1.982427803	0.902692891
5428	SCIN	15	1	-3.689243707	-1.609237276
5429	ARL4A	7	1	3.302519169	-1.299488507
5430	ETV1	18	1	-3.947788867	1.597796954
5431	ISPD	6	1	-1.793852362	-2.983983956
5432	ANKMY2	8	1	0.644534495	0.058871485
5433	BZW2	3	1	2.17768797	2.270514287
5434	TSPAN13	13	1	-2.879909429	0.165526129
5435	AHR	9	1	-1.558591279	0.034805007
5436	AC073332.1	12	1	-2.88110629	-2.469456874
5437	SNX13	9	1	-0.745411369	-0.177263938
5438	HDAC9	8	1	0.287470934	0.454709328
5439	TWIST1	17	1	-2.906184825	2.690874375
5440	TWISTNB	2	1	4.148733702	-0.668899499
5441	AC004130.1	15	1	-4.361281309	-1.365246378
5442	ITGB8	17	1	-4.133085641	2.754698552
5443	SP4	11	1	0.647454289	-1.120295845
5444	DNAH11	6	1	-1.903351936	-2.648932182
5445	CDCA7L	8	1	1.479074088	1.678998388
5446	STEAP1B	5	1	1.50291678	-2.057238065
5447	IL6	8	1	0.427016017	1.00891868
5448	TOMM7	3	1	1.807557431	5.293072499
5449	FAM126A	8	1	0.758231547	1.280686594
5450	KLHL7	11	1	1.0457755	-0.526328765
5451	NUPL2	5	1	1.569948879	-2.477884017
5452	AC005082.1	15	1	-4.898506078	-1.094779335
5453	GPNMB	19	2	-6.570541295	0.068305172
5454	MALSU1	2	1	4.673267451	0.29037825
5455	IGF2BP3	8	1	0.512515393	0.336017772
5456	TRA2A	11	1	1.985970583	0.154279984
5457	CCDC126	4	1	-1.112138423	-1.18694707
5458	FAM221A	11	1	0.900502887	-0.756688915
5459	NPY	18	1	-3.400814924	1.912995375

5460	MPP6	7	1	2.940753546	-0.772843801
5461	GSDME	8	1	0.215247479	2.044601477
5462	OSBPL3	11	1	0.985704091	-1.044228278
5463	CYCS	16	1	3.473770943	3.234901227
5464	C7orf31	4	1	-2.238262805	-1.225769244
5465	NFE2L3	8	1	0.990939227	1.142882384
5466	AC004520.1	17	1	-4.850772294	3.22452525
5467	INRNPA2B	16	1	3.003328887	3.206243314
5468	CBX3	3	1	2.063570347	4.035443581
5469	SKAP2	14	1	-1.226375255	2.646276511
5470	HOXA1	13	1	-2.543969783	-0.021745794
5471	HOTAIRM1	1	1	-2.507665071	2.071691312
5472	HOXA3	13	1	-2.47453967	-0.165463768
5473	HOXA-AS2	12	1	-2.609245452	-1.220996343
5474	HOXA4	13	1	-2.270391855	0.250124238
5475	HOXA5	13	1	-2.605929288	0.720991887
5476	HOXA6	15	1	-3.531068716	-2.067041837
5477	HOXA7	6	1	-1.134721908	-2.908783876
5478	HOXA9	1	1	-0.447971138	1.260872938
5479	HOXA10-AS	6	1	-0.672647688	-2.726149522
5480	HOXA10	15	1	-4.167248163	0.446067117
5481	HOXA11	14	1	-1.18248466	3.417641915
5482	HOXA11-AS	1	1	-2.521594438	1.22790239
5483	HOXA13	18	1	-2.810557994	1.750997938
5484	HIBADH	8	1	-0.138866696	1.161599435
5485	TAX1BP1	3	1	2.448639718	4.721692361
5486	JAZF1	14	1	-0.713923726	2.456634797
5487	JAZF1-AS1	1	1	-0.948403749	2.297868527
5488	CREB5	8	1	0.903868702	0.91704271
5489	TRIL	15	1	-4.717638406	-1.100171171
5490	CPVL	19	2	-6.806817922	0.105816431
5491	PRR15	8	1	0.89552274	1.834266938
5492	SCRN1	8	1	1.076341477	1.753585137
5493	FKBP14	14	1	-0.018303058	2.314328946
5494	PLEKHA8	5	1	0.606952217	-1.684262239
5495	MTURN	1	1	-2.761722478	0.929562129
5496	ZNRF2	7	1	2.0932928	-1.82350155
5497	NOD1	4	1	-0.450591776	-0.75591477
5498	GGCT	7	1	3.620705214	-1.834873401
5499	GARS	3	1	1.888920155	4.32360629
5500	INMT	15	1	-3.373368654	-1.794657432
5501	MINDY4	12	1	-3.062430772	-2.246997558
5502	AQP1	15	1	-4.310087118	-1.395944201

5503	PDE1C	8	1	0.128712837	0.90893761
5504	LSM5	10	1	4.144504157	-2.204108201
5505	AVL9	9	1	-0.437104049	0.685960717
5506	AC018645.2	4	1	-0.162627149	-1.110578858
5507	LINC00997	9	1	-0.657493207	-0.444465183
5508	KBTBD2	11	1	0.637742129	-1.215160452
5509	FKBP9	14	1	-0.479420218	3.043439902
5510	NT5C3A	7	1	2.727166024	-2.544840299
5511	RP9	7	1	3.709908572	-1.092168652
5512	BBS9	13	1	-2.369441661	0.270125016
5513	AC008080.4	15	1	-4.443746004	0.084760971
5514	BMPER	1	1	-2.576639804	2.410768784
5515	DPY19L1	8	1	-0.29716048	1.208596922
5516	HERPUD2	9	1	-0.550294909	-0.013478719
5517	AC018647.2	6	1	-1.695732388	-2.302065812
5518	AC018647.1	15	1	-3.385061893	-1.753397905
5519	SEPT7	3	1	2.901634303	4.178302802
5520	EEPD1	1	1	-1.435986433	1.814707912
5521	KIAA0895	13	1	-2.428669366	-0.900733195
5522	ANLN	10	1	4.161448088	-3.384606086
5523	AOAH	19	2	-7.382536802	0.253208227
5524	EPDR1	12	1	-2.943413648	-2.337627374
5525	SFRP4	12	1	-3.3804113	-1.887591325
5526	STARD3N1	8	1	1.303109613	1.559881963
5527	TRGV7	18	1	-3.810615215	1.201257743
5528	AMPH	1	1	-1.279052171	2.398006715
5529	VPS41	11	1	2.403627005	0.030572243
5530	YAE1D1	6	1	0.018981025	-3.51985427
5531	RALA	16	1	3.211948481	3.155199565
5532	LINC00265	9	1	-1.018986973	0.125222005
5533	CDK13	8	1	0.991152432	1.365868248
5534	MPLKIP	15	1	-4.116608533	-1.888459884
5535	SUGCT	12	1	-3.241982374	-1.47700306
5536	INHBA	3	1	0.860474673	4.522253312
5537	INHBA-AS1	13	1	-2.515271577	-0.441601597
5538	GLI3	15	1	-4.191985044	-0.26367762
5539	C7orf25	12	1	-2.841181907	-1.829246961
5540	PSMA2	3	1	0.865184155	2.316961087
5541	MRPL32	2	1	3.830397931	0.074189015
5542	STK17A	8	1	0.993412819	1.40948192
5543	COA1	7	1	4.032038537	-1.09187349
5544	BLVRA	2	1	4.093571272	0.027644165
5545	MRPS24	1	1	-2.049369487	2.867114343

5546	URGCP	11	1	0.7198486	-1.121999346
5547	UBE2D4	6	1	-1.616384181	-2.627319537
5548	AC004951.1	9	1	-0.622202727	-0.236126982
5549	LINC00957	1	1	-1.717000041	2.6648672
5550	DBNL	2	1	4.467762557	-0.109500222
5551	POLM	9	1	-0.335721496	-0.347658955
5552	AEBP1	3	1	0.639672843	4.465270318
5553	POLD2	2	1	4.540158358	-0.561076664
5554	MYL7	12	1	-2.99119297	-1.687097751
5555	GCK	4	1	-2.014498147	-1.478213154
5556	YKT6	7	1	1.991433349	-0.582081937
5557	CAMK2B	8	1	0.318984297	0.529210992
5558	NUDCD3	7	1	2.7048839	-0.748039328
5559	DDX56	2	1	4.371018019	-0.614524506
5560	TMED4	14	1	-0.296260747	3.316674985
5561	OGDH	8	1	0.432278064	1.787099041
5562	ZMIZ2	4	1	-0.671067271	-1.367606841
5563	PPIA	3	1	2.180841055	4.481471814
5564	H2AFV	16	1	3.400996771	3.448370255
5565	PURB	8	1	1.477648225	1.291168906
5566	AC004854.2	12	1	-2.609261188	-1.322654568
5567	SNHG15	7	1	3.031426516	-1.396731936
5568	CCM2	2	1	3.899574605	-0.098005913
5569	NACAD	12	1	-1.894722495	-1.81836506
5570	TBRG4	7	1	4.051019278	-0.897920214
5571	IGFBP3	18	1	-3.546830329	0.739191748
5572	TNS3	1	1	-1.480644378	2.545449294
5573	LINC01447	1	1	-2.11263338	1.681223906
5574	HUS1	5	1	0.441748705	-2.568627559
5575	C7orf69	1	1	-1.594055209	2.567469157
5576	SUN3	12	1	-2.629667911	-2.106230937
5577	UPP1	3	1	1.241895643	2.559258021
5578	ABCA13	8	1	0.770964113	0.70542071
5579	FIGNL1	10	1	2.481051293	-3.818730079
5580	GRB10	3	1	1.035395589	2.145155467
5581	SEC61G	3	1	2.001499501	5.135413445
5582	EGFR	8	1	0.348396358	2.116281904
5583	LANCL2	6	1	-0.875883433	-3.036417209
5584	VOPP1	7	1	2.233199206	-0.795569025
5585	ZNF713	12	1	-2.307901058	-2.282150232
5586	NIPSNAP2	3	1	1.706383911	2.051811375
5587	MRPS17	5	1	0.491696414	-2.401320897
5588	PSPH	3	1	1.546882239	2.727459945

5589	CCT6A	16	1	3.421978322	3.175821818
5590	SUMF2	14	1	-0.563089225	3.589606799
5591	PHKG1	13	1	-3.026832971	-0.049896978
5592	CHCHD2	3	1	3.11061534	4.511942185
5593	ZNF736	5	1	1.265638438	-2.801459991
5594	ZNF680	1	1	-2.064906749	1.978715457
5595	ZNF107	5	1	2.197477427	-3.171356164
5596	ZNF138	6	1	0.248334211	-3.050559245
5597	ZNF273	10	1	2.977497664	-3.314104997
5598	ZNF117	9	1	-1.695091757	-0.243371867
5599	ERV3-1	4	1	-0.732252988	-1.102995359
5600	ZNF92	5	1	1.425721493	-2.630672656
5601	VKORC1L1	11	1	2.023396698	-0.278679632
5602	GUSB	7	1	2.826975194	-0.702439986
5603	ASL	2	1	4.475011435	-0.282633148
5604	CRCP	7	1	2.748259631	-0.977242314
5605	TPST1	15	1	-4.402416143	0.338246159
5606	AC008267.5	12	1	-2.559478197	-2.099640809
5607	KCTD7	17	1	-2.83994523	2.558348216
5608	RABGEF1	9	1	-0.47606543	0.393492874
5609	AC027644.3	12	1	-3.222755346	-2.738833152
5610	TMEM248	14	1	-0.056374471	2.576041497
5611	SBDS	11	1	1.325962868	-0.80848714
5612	TYW1	6	1	-0.149021584	-3.370113813
5613	AUTS2	5	1	0.497327563	-2.675429546
5614	TYW1B	5	1	0.492581156	-2.235390149
5615	POM121	7	1	2.090142336	-1.450800739
5616	AC211476.2	20	1	-1.18777028	-4.209117137
5617	NSUN5	5	1	1.307628599	-3.06899377
5618	FZD9	6	1	-1.552207622	-2.112449132
5619	BAZ1B	7	1	2.867514458	-0.938553296
5620	BCL7B	2	1	3.770175305	-0.438870095
5621	TBL2	14	1	0.187184808	2.860260524
5622	VPS37D	1	1	-2.351414594	2.258888401
5623	DNAJC30	2	1	3.97036418	0.847170152
5624	BUD23	2	1	4.645941344	-0.191158377
5625	STX1A	9	1	0.233179104	-0.1276147
5626	ABHD11	5	1	1.897929278	-3.297703468
5627	CLDN4	10	1	4.110266772	-3.046376668
5628	METTL27	18	1	-3.579245004	1.569501556
5629	ELN	15	1	-4.515659246	-1.486737929
5630	LIMK1	13	1	-2.929635677	-0.375870846
5631	EIF4H	3	1	2.41273984	3.706935443

5632	LAT2	19	2	-7.055736455	0.378260676
5633	RFC2	10	1	2.682452765	-3.809827529
5634	CLIP2	9	1	-0.649096283	0.70633889
5635	GTF2IRD1	1	1	-2.432540569	2.481397904
5636	AC211433.2	5	1	0.502680746	-2.808487855
5637	GTF2I	3	1	2.149032441	2.907521046
5638	GTF2IRD2	13	1	-1.929943833	0.237947173
5639	RCC1L	2	1	3.515795079	-0.700288139
5640	GTF2IRD2I	1	1	-2.259535703	1.248487748
5641	AC211486.5	1	1	-1.425677094	2.191789783
5642	TRIM73	9	1	-1.313651952	0.077613927
5643	POM121C	7	1	2.270753947	-1.477382027
5644	SPDYE5	1	1	-1.295737061	2.035773076
5645	HIP1	9	1	0.36303207	-0.267448507
5646	CCL26	12	1	-2.877590808	-1.629921876
5647	RHBDD2	13	1	-2.489295873	-0.21059563
5648	POR	14	1	0.588827696	2.487623967
5649	TMEM120A	14	1	-1.178573522	3.14810089
5650	STYXL1	13	1	-2.26348916	-0.161110245
5651	MDH2	16	1	3.36347827	4.259157456
5652	HSPB1	3	1	2.101327029	4.681463994
5653	YWHAG	11	1	1.834124175	-0.074745618
5654	SSC4D	12	1	-2.766045007	-2.192671024
5655	ZP3	1	1	-1.746932897	1.940049566
5656	DTX2	4	1	-0.386194411	-1.669234477
5657	POMZP3	6	1	-1.266380939	-3.398760282
5658	CCDC146	1	1	-1.338938984	1.238161482
5659	FGL2	19	2	-7.171726617	0.21903684
5660	GSAP	1	1	-1.382244262	1.767007388
5661	PTPN12	8	1	0.638113466	1.765354909
5662	APTR	4	1	-1.472146902	-0.627904974
5663	RSBN1L	2	1	3.82470068	-0.040037923
5664	TMEM60	7	1	3.450517502	-2.12758442
5665	PHTF2	11	1	1.760419693	0.290178001
5666	MAGI2	1	1	-0.611309561	1.350762047
5667	GNAI1	14	1	-0.996809754	3.258647956
5668	CD36	19	2	-7.353585157	0.264599576
5669	SEMA3C	14	1	-0.233583155	2.385055579
5670	HGF	17	1	-3.324665222	2.442869223
5671	CACNA2D1	4	1	-1.295283231	-0.805411421
5672	PCLO	4	1	0.374526974	-1.684087001
5673	SEMA3A	11	1	1.080525842	-0.745982252
5674	AC074183.1	15	1	-4.132424745	0.09265954

5675	SEMA3D	6	1	-1.635249171	-3.269766055
5676	KIAA1324L	5	1	-0.02538206	-2.461124383
5677	AC005076.1	15	1	-3.567499313	-1.807403289
5678	DMTF1	8	1	-0.283114854	1.196285344
5679	TMEM243	14	1	-1.072692666	3.497818269
5680	TP53TG1	15	1	-3.875978622	-0.300735019
5681	CROT	12	1	-2.732948932	-2.879199229
5682	ABCB4	1	1	-2.549244318	1.998339094
5683	SLC25A40	10	1	2.573736754	-3.133511745
5684	DBF4	10	1	4.083726016	-3.58152052
5685	SRI	16	1	3.450652924	4.078248299
5686	AC003991.2	1	1	-2.052055273	3.214408435
5687	STEAP4	15	1	-4.831334981	-1.069825374
5688	STEAP1	17	1	-3.369529876	2.739440955
5689	STEAP2	18	1	-3.011600885	2.12006811
5690	GTPBP10	7	1	1.698575821	-1.466427289
5691	CLDN12	1	1	-0.63277522	1.429427184
5692	CDK14	11	1	1.874032465	0.001595028
5693	FZD1	15	1	-3.767774496	-2.414636813
5694	AC079760.2	15	1	-3.947261486	-2.218493901
5695	MTERF1	5	1	0.529257682	-2.094764196
5696	AKAP9	3	1	2.533205357	2.763141669
5697	CYP51A1	1	1	-1.83301464	1.575447477
5698	YP51A1-AS	20	1	-1.077412638	-4.459335052
5699	KRIT1	11	1	2.408931103	-0.317251884
5700	ANKIB1	8	1	0.092698817	1.881638087
5701	GATAD1	14	1	-0.667020294	3.126019753
5702	PEX1	5	1	1.22967836	-1.979765855
5703	RBM48	4	1	-0.421375993	-1.808903419
5704	FAM133B	7	1	2.788696852	-0.504250847
5705	CDK6	11	1	1.545135584	0.015500076
5706	AC002454.1	6	1	-1.867699418	-2.827373706
5707	SAMD9	6	1	-0.838982138	-2.486060344
5708	SAMD9L	6	1	-1.069757137	-2.025158845
5709	VPS50	5	1	0.432669964	-2.257606708
5710	TFPI2	17	1	-3.3969771	2.747520961
5711	AC002076.1	5	1	0.364947733	-2.310324155
5712	GNG11	16	1	3.485777703	3.628662146
5713	BET1	14	1	-0.526449534	3.440634765
5714	AC003092.1	17	1	-4.046430025	2.936113156
5715	AC002074.1	12	1	-3.34468523	-1.495548211
5716	COL1A2	3	1	0.859195259	4.717557706
5717	CASD1	4	1	-0.990695152	-0.805852138

5718	SGCE	14	1	-0.604336533	3.675663985
5719	PEG10	1	1	-2.497957143	2.470680274
5720	PPP1R9A	12	1	-2.619083795	-2.357678376
5721	PON2	2	1	3.870210496	1.423461236
5722	PDK4	17	1	-4.80962697	2.792760409
5723	DYNC1I1	12	1	-2.545908126	-2.370619498
5724	SLC25A13	5	1	1.90927085	-2.491118394
5725	SEM1	3	1	2.537931529	5.083655156
5726	SDHAF3	6	1	0.347654131	-3.542401992
5727	ASNS	3	1	1.594658938	2.801929511
5728	LMTK2	11	1	0.5913389	-1.19011005
5729	TECPR1	9	1	-1.05221251	-0.16632291
5730	BRI3	3	1	2.139115897	5.463857449
5731	BAIAP2L1	13	1	-2.719157609	0.012829549
5732	TMEM130	1	1	-0.448993239	1.232760943
5733	TRRAP	11	1	0.785513726	-1.137533628
5734	SMURF1	9	1	-0.426878873	-0.608772777
5735	AC004922.1	1	1	-1.928662333	1.953279175
5736	ARPC1A	3	1	3.197159377	4.479018487
5737	ARPC1B	3	1	2.37305769	4.542750634
5738	PDAP1	16	1	3.425329295	3.448925532
5739	BUD31	16	1	3.975308743	3.824697055
5740	PTCD1	5	1	0.164026198	-2.582695686
5741	CPSF4	5	1	1.527168837	-2.71501156
5742	ATP5MF	16	1	3.562670079	4.381466664
5743	ZNF789	6	1	-0.851256344	-2.03387972
5744	ZNF394	6	1	-0.869264516	-2.565117561
5745	ZKSCAN5	4	1	-0.283000234	-1.190881454
5746	FAM200A	6	1	-0.457935336	-2.799408876
5747	ZNF655	7	1	2.26651248	-0.592967056
5748	TMEM225B	1	1	-2.026811513	2.278785385
5749	ZSCAN25	5	1	0.760514823	-2.031042539
5750	TRIM4	9	1	-0.229522917	0.56034071
5751	ZKSCAN1	14	1	-0.120416883	2.738830365
5752	ZSCAN21	4	1	-0.045671839	-1.425308667
5753	ZNF3	4	1	0.119890717	-1.085217677
5754	COPS6	16	1	3.498361197	3.801646746
5755	MCM7	10	1	2.953696099	-3.507269584
5756	AP4M1	5	1	1.013900068	-3.299793206
5757	TAF6	7	1	3.764374342	-1.170874439
5758	AC073842.2	3	1	1.361309138	2.280697264
5759	CNPY4	15	1	-3.916578683	-1.355508052
5760	MBLAC1	6	1	-0.3962414	-3.473853551

5761	LAMTOR4	16	1	3.641458359	4.303159751
5762	C7orf43	5	1	-0.160865027	-2.553405248
5763	GAL3ST4	12	1	-2.633481893	-1.683853112
5764	GPC2	5	1	1.276332346	-1.344737731
5765	STAG3	11	1	0.755386677	-1.3098199
5766	CASTOR3	12	1	-2.609831724	-1.304647409
5767	PILRB	10	1	3.350656119	-2.912578307
5768	PILRA	19	2	-7.329742822	0.263156459
5769	ZCWPW1	15	1	-3.648394021	-1.554461681
5770	MEPCE	5	1	0.607200113	-2.193642102
5771	PPP1R35	10	1	4.14433774	-2.643986188
5772	C7orf61	17	1	-4.470024023	3.165385283
5773	TSC22D4	8	1	0.353056517	0.753827847
5774	NYAP1	13	1	-1.988427553	0.391334448
5775	AGFG2	6	1	-0.812543067	-2.334074937
5776	LRCH4	5	1	0.274799478	-2.19528576
5777	PCOLCE	3	1	1.492179719	4.983419217
5778	MOSPD3	2	1	3.62227377	0.733195998
5779	GNB2	3	1	2.95464572	4.041904487
5780	GIGYF1	9	1	-0.270056698	0.070395656
5781	POP7	7	1	3.931348649	-1.548013889
5782	EPHB4	4	1	-0.054499316	-0.689266883
5783	SLC12A9	6	1	-1.386237297	-1.855967008
5784	LC12A9-AS	5	1	1.401806798	-2.639716827
5785	TRIP6	2	1	4.547659483	0.277513593
5786	SRRT	7	1	3.253590193	-1.716525994
5787	UFSP1	6	1	-1.800597224	-2.960554801
5788	MUC12	6	1	-1.962722096	-3.441539966
5789	AC105446.1	13	1	-3.146710548	-0.88480755
5790	TRIM56	14	1	-0.24781597	2.822229184
5791	SERPINE1	3	1	1.462969747	3.90945629
5792	AP1S1	16	1	3.969415751	3.443177022
5793	VGF	8	1	0.869372156	0.596223824
5794	PLOD3	3	1	0.509268311	4.399816789
5795	ZNHIT1	3	1	1.762556043	5.123296059
5796	CLDN15	9	1	-1.199584159	-0.072376959
5797	FIS1	3	1	3.383355942	4.661990441
5798	AC006329.1	7	1	3.489572135	-1.479825221
5799	IFT22	2	1	4.215331641	0.816574611
5800	CUX1	3	1	0.316929576	4.304777182
5801	SH2B2	15	1	-3.578586969	-1.328670345
5802	PRKRIP1	7	1	2.697008458	-1.818061792
5803	ORAI2	7	1	1.763891545	-0.366220974

5804	ALKBH4	6	1	0.202152249	-3.473649942
5805	LRWD1	7	1	2.19402298	-2.652404271
5806	POLR2J	2	1	4.727272597	1.358321644
5807	RASA4B	1	1	-2.015940818	2.432391442
5808	POLR2J3	18	1	-3.549279842	1.619498528
5809	POLR2J3.1	18	1	-3.547217044	1.535823263
5810	RASA4	1	1	-2.10610238	2.335680641
5811	POLR2J2	6	1	-0.756879541	-3.152498208
5812	FAM185A	6	1	-0.635506305	-3.201709472
5813	FBXL13	6	1	-2.227941427	-3.143715821
5814	LRRC17	11	1	1.09741005	-0.821944557
5815	ARMC10	2	1	3.229579773	0.305444307
5816	NAPEPLD	6	1	-1.191368494	-2.209381782
5817	PMPCB	14	1	-0.856644127	3.630795993
5818	DNAJC2	2	1	3.892299262	-0.795035087
5819	PSMC2	2	1	4.642371264	-0.232390009
5820	RELN	9	1	0.387782302	-0.193899058
5821	ORC5	5	1	1.186656561	-2.442844831
5822	LINC01004	9	1	-0.596601519	0.848469592
5823	KMT2E-AS	20	1	-1.39514831	-4.269323074
5824	KMT2E	8	1	1.272949782	1.312524833
5825	SRPK2	11	1	2.775015917	0.624221541
5826	PUS7	7	1	2.780298081	-1.705866777
5827	RINT1	9	1	-0.127088893	0.065662272
5828	ATXN7L1	6	1	-1.333916578	-2.96292802
5829	SYPL1	14	1	0.638233808	2.997684993
5830	NAMPT	17	1	-3.189022932	2.940631903
5831	AC007032.1	15	1	-4.249018106	-1.46737393
5832	CCDC71L	17	1	-3.421308908	2.378909386
5833	PRKAR2B	5	1	2.116905537	-2.887862884
5834	HBP1	14	1	-1.498387608	3.151724376
5835	COG5	8	1	0.14412262	1.487402595
5836	GPR22	1	1	-0.754108223	1.56493286
5837	DUS4L	7	1	1.976596799	-1.953742229
5838	BCAP29	2	1	3.118314829	-0.480684005
5839	AC002467.1	6	1	-1.578913006	-2.669870101
5840	CBLL1	11	1	0.553202596	-1.151215278
5841	DLD	2	1	3.656198111	-0.396308087
5842	LAMB1	13	1	-3.715340051	-0.515281044
5843	LAMB4	12	1	-3.001610431	-1.610476099
5844	PNPLA8	8	1	1.09810814	1.184952475
5845	THAP5	1	1	-0.71788803	1.757969655
5846	DNAJB9	14	1	-1.39809278	3.274853505

5847	IMMP2L	9	1	-1.325781497	0.387598757
5848	LRRN3	6	1	-1.258845362	-3.722506725
5849	DOCK4	11	1	0.760374394	-0.351041876
5850	ZNF277	14	1	-1.489595208	2.939398564
5851	IFRD1	11	1	2.259694424	0.551685057
5852	LSMEM1	1	1	-2.369652662	2.844706096
5853	TMEM168	9	1	-0.49544594	0.637350954
5854	BMT2	13	1	-1.906982336	0.505098305
5855	GPR85	10	1	3.846851674	-3.15095111
5856	SMIM30	7	1	3.188828793	-0.795156442
5857	FOXP2	15	1	-4.058838758	-0.17094221
5858	MDFIC	7	1	2.489880171	-1.480611406
5859	TFEC	19	2	-7.459802541	0.257006958
5860	TES	4	1	-1.8999019	-1.266554915
5861	CAV2	3	1	2.121277419	3.423559703
5862	CAV1	3	1	2.414504614	3.511955775
5863	MET	7	1	2.809892979	-2.352061235
5864	CAPZA2	2	1	3.479141083	-0.251202606
5865	ST7-AS1	6	1	-2.24917427	-3.784007274
5866	ST7	4	1	0.211809975	-0.994803749
5867	WNT2	15	1	-4.695476446	-1.326900088
5868	CTTNBP2	8	1	0.948111561	0.30744046
5869	LSM8	3	1	2.128113833	2.956738271
5870	KCND2	15	1	-4.008298311	0.141675539
5871	ING3	5	1	1.420923558	-2.738252364
5872	CPED1	8	1	0.829267588	0.713683881
5873	FAM3C	11	1	1.410002795	0.201923765
5874	AASS	9	1	-0.363220278	0.107290275
5875	CADPS2	9	1	-0.576043698	1.023342468
5876	AC004594.1	1	1	-1.521167788	1.197503723
5877	AC073323.1	12	1	-2.732714567	-2.53095337
5878	NDUFA5	2	1	4.627499667	0.306674853
5879	ASB15	17	1	-4.840066347	3.266240872
5880	AC006333.1	17	1	-4.899269971	3.284717835
5881	WASL	8	1	1.365897742	0.827557333
5882	AC006333.2	6	1	-0.4323836	-3.70900365
5883	GPR37	1	1	-1.200527105	2.130611695
5884	POT1	9	1	0.200890642	-0.263861262
5885	POT1-AS1	15	1	-4.355827722	-0.741711103
5886	ZNF800	11	1	1.388110962	0.383001039
5887	GCC1	4	1	-0.435217294	-0.756616675
5888	ARF5	2	1	4.391432848	1.059075333
5889	AC073934.1	1	1	-2.415793571	2.44426135

5890	SND1	14	1	0.392915425	3.066492356
5891	SND1-IT1	5	1	-0.158964786	-2.559124671
5892	LRRC4	11	1	0.614579108	-1.398778878
5893	AC018635.2	1	1	-1.647304687	2.123676933
5894	RBM28	7	1	3.312000361	-0.964319073
5895	IMPDH1	2	1	4.293258276	0.412986737
5896	HILPDA	1	1	-2.224226388	3.153854407
5897	METTL2B	7	1	2.572249976	-1.526175462
5898	AC090114.2	12	1	-3.228102121	-2.125915013
5899	FAM71F2	12	1	-1.810413155	-1.770022355
5900	AC018638.6	17	1	-4.804108057	2.735616006
5901	FAM71F1	17	1	-4.835197839	3.051979102
5902	CALU	3	1	1.151952949	4.586412228
5903	CCDC136	9	1	-0.770083937	0.197132312
5904	FLNC	7	1	1.849765506	-0.395928107
5905	ATP6V1F	3	1	3.277829733	4.948516644
5906	ATP6V1FN1	12	1	-2.661570463	-2.317420207
5907	TNPO3	7	1	2.242630568	-0.953549944
5908	TSPAN33	6	1	-1.666930708	-2.678543531
5909	SMO	4	1	-1.625837001	-1.372228585
5910	AHCYL2	4	1	-1.679450783	-0.663224183
5911	STRIP2	7	1	2.177863446	-1.689577542
5912	SMKR1	11	1	1.138776746	-0.793150865
5913	AC078846.1	6	1	-1.856653962	-2.729374372
5914	NRF1	10	1	3.701894608	-2.962351524
5915	UBE2H	14	1	-0.373593125	2.505226888
5916	ZC3HC1	5	1	1.272439089	-2.955694877
5917	KLHDC10	1	1	-0.604539964	1.784311689
5918	AC087071.1	18	1	-3.205391321	1.688079513
5919	TMEM209	5	1	1.134362426	-2.109316074
5920	CPA4	12	1	-3.293275747	-1.818878375
5921	CPA1	15	1	-4.590577039	-1.023448311
5922	CEP41	5	1	1.828698721	-2.786601268
5923	MEST	15	1	-3.958661708	-0.501561724
5924	AC007938.2	15	1	-3.463925514	-2.100580417
5925	COPG2	4	1	-0.315346482	-0.959838949
5926	AC007938.3	15	1	-3.762796554	-1.220391356
5927	AC016831.7	8	1	0.612151113	0.328858577
5928	LINC00513	1	1	-0.89630768	1.797979034
5929	AC016831.1	8	1	0.839361277	0.163245119
5930	AC016831.5	9	1	-0.590770575	0.873744793
5931	AC058791.1	1	1	-0.676557574	1.378853597
5932	MKLN1	8	1	0.229501647	1.858663834

5933	PODXL	7	1	1.663072076	-1.386512958
5934	PLXNA4	15	1	-4.797718439	-0.992724024
5935	CHCHD3	2	1	4.220341292	-0.839519106
5936	EXOC4	11	1	1.14368507	-0.180516981
5937	SLC35B4	7	1	2.00271925	-2.000867091
5938	AC009275.1	12	1	-2.939202699	-1.822630845
5939	AKR1B1	17	1	-4.522880468	3.103974141
5940	AKR1B10	6	1	-2.268962535	-2.954478942
5941	BPGM	4	1	-0.654516491	-1.069881879
5942	CALD1	3	1	1.926421609	4.579085149
5943	AGBL3	6	1	-0.557628664	-3.084330045
5944	CYREN	2	1	4.012045947	-0.485809706
5945	WDR91	12	1	-3.169988307	-1.115239941
5946	CNOT4	11	1	2.271089163	-0.316539191
5947	NUP205	10	1	3.007393208	-3.18750187
5948	STMP1	3	1	2.263795939	5.136568822
5949	SLC13A4	1	1	-1.647265229	2.27780775
5950	FAM180A	8	1	0.711249617	0.177525289
5951	MTPN	16	1	2.904410449	3.241289653
5952	CHRM2	18	1	-3.74930087	1.351573147
5953	PTN	18	1	-3.768416557	1.341980256
5954	DGKI	6	1	-1.24310151	-2.989999734
5955	CREB3L2	8	1	1.563841906	1.673295893
5956	TRIM24	9	1	-0.398830626	0.985747851
5957	TMEM213	17	1	-4.673218641	3.245685376
5958	KIAA1549	4	1	-0.236216608	-1.942594968
5959	ZC3HAV1	11	1	1.311419812	-0.380406343
5960	TTC26	5	1	1.048495975	-2.689220391
5961	UBN2	1	1	-1.325102839	1.318812765
5962	FMC1	6	1	-0.358826044	-3.50317403
5963	LUC7L2	7	1	2.334239092	-1.667072021
5964	HIPK2	11	1	1.550347772	0.139492504
5965	TBXAS1	19	2	-6.962010774	0.179401956
5966	PARP12	8	1	0.677929905	0.288687959
5967	KDM7A	8	1	0.560031322	1.904189981
5968	SLC37A3	9	1	-1.217242035	-0.45689138
5969	MKRN1	14	1	-1.111220154	3.064208306
5970	ADCK2	5	1	-0.085214752	-2.308738195
5971	NDUFB2	16	1	3.633067933	4.363932647
5972	NDUFB2-AS1	6	1	-1.37443963	-2.096080505
5973	BRAF	9	1	-0.28199676	-0.07749679
5974	MRPS33	2	1	4.386135188	1.127839841
5975	AGK	5	1	1.4500384	-1.867571317

5976	AC004918.1	9	1	-0.597844574	1.006195344
5977	KIAA1147	9	1	-0.508371982	1.117120601
5978	SSBP1	16	1	3.987114754	3.229671038
5979	TAS2R4	1	1	-1.8414152	2.215415753
5980	MGAM	8	1	-0.18926141	1.343833662
5981	MTRNR2L6	12	1	-1.856275234	-2.163026296
5982	TRBC2	5	1	1.036226776	-2.235215388
5983	EPHB6	6	1	-2.384347352	-3.04600545
5984	GSTK1	2	1	3.898708191	1.194244899
5985	CASP2	10	1	2.053846684	-3.516754352
5986	FAM131B	12	1	-2.373535547	-2.019943439
5987	AC093673.1	13	1	-3.329197797	-0.229261719
5988	ZYX	3	1	1.846442667	4.237686433
5989	EPHA1-AS1	17	1	-4.477795991	3.180983819
5990	TCAF2	1	1	-1.796529922	2.618389167
5991	TCAF1	14	1	-0.053172591	2.664186992
5992	ARHGEF35	12	1	-3.235002193	-1.567555987
5993	AC004889.1	12	1	-2.794400367	-1.152128183
5994	OR2A42	1	1	-0.494487974	2.227132953
5995	ARHGEF5	12	1	-2.810334119	-1.153931581
5996	TPK1	5	1	1.027191546	-2.697329246
5997	CNTNAP2	15	1	-4.503427419	-0.916471563
5998	AC005229.4	6	1	-0.83059493	-3.08965727
5999	CUL1	11	1	2.637451497	-0.39391359
6000	EZH2	10	1	3.380614129	-3.527082645
6001	PDIA4	3	1	1.342822519	4.302104272
6002	ZNF786	4	1	-0.420319739	-1.017460071
6003	ZNF425	12	1	-3.015789661	-1.361683689
6004	ZNF398	4	1	-0.247139397	-1.05569645
6005	ZNF282	4	1	-0.469041619	-0.837343417
6006	ZNF212	9	1	-0.000842753	-0.638358794
6007	ZNF783	9	1	-1.386371288	0.028633393
6008	ZNF777	5	1	-0.09959333	-2.352857553
6009	ZNF746	4	1	-0.152922767	-1.281759225
6010	KRBA1	4	1	-1.034005556	-1.6317546
6011	ZNF467	12	1	-2.80774084	-1.415070139
6012	ZNF862	9	1	-1.76762453	0.040962197
6013	TP6V0E2-A	5	1	1.750709262	-3.293922387
6014	ATP6V0E2	5	1	1.302209225	-2.62481805
6015	LRRC61	12	1	-2.642000589	-2.862622462
6016	RARRES2	15	1	-4.761114034	-0.607783102
6017	REPIN1	8	1	1.12956759	0.094131864
6018	ZNF775	5	1	0.327731815	-2.76437112

6019	AC073111.5	4	1	-2.147320661	-1.322314583
6020	GIMAP1	19	2	-7.44613305	0.249867849
6021	TMEM176B	19	2	-7.451320562	0.250935696
6022	TMEM176A	19	2	-7.434046182	0.248887442
6023	KCNH2	13	1	-3.388668928	0.138887219
6024	NOS3	4	1	-1.93180016	-1.284242116
6025	ATG9B	1	1	-2.345184001	2.89948038
6026	ABCB8	5	1	1.228879061	-3.103868686
6027	ASIC3	1	1	-2.12287775	0.826651223
6028	CDK5	2	1	4.030700532	0.928898431
6029	SLC4A2	6	1	-0.398727688	-2.602018081
6030	FASTK	2	1	4.018658963	1.08043579
6031	TMUB1	2	1	4.22807273	0.458437487
6032	AGAP3	8	1	0.907889452	1.22297696
6033	ABCF2.1	2	1	4.110696402	-0.410252117
6034	CHPF2	13	1	-2.930120382	-0.407960795
6035	SMARCD3	2	1	4.035842982	0.926883973
6036	AC021097.1	1	1	-1.641152415	2.642034329
6037	NUB1	3	1	1.198920455	2.145479478
6038	WDR86	17	1	-2.740173254	2.894856252
6039	RHEB	16	1	2.926932898	3.653318681
6040	PRKAG2	8	1	1.080955472	1.087771512
6041	GALNT11	1	1	-1.356422219	0.993798114
6042	KMT2C	8	1	1.365768996	1.185473539
6043	LINC01003	6	1	-1.81289247	-3.563938819
6044	XRCC2	10	1	2.783084479	-3.908724986
6045	ACTR3B	8	1	0.287841168	0.665570833
6046	PAXIP1-AS2	12	1	-2.57267395	-1.14479395
6047	PAXIP1	5	1	1.852385965	-3.181852304
6048	PAXIP1-AS1	15	1	-4.037188444	-1.960588418
6049	AC144652.1	20	1	-0.916100654	-4.266207896
6050	INSIG1	14	1	-0.259237829	3.707155503
6051	EN2	17	1	-4.816147241	3.214789904
6052	AC009403.1	6	1	-1.319242153	-3.437340461
6053	RBM33	8	1	1.272885767	1.291412331
6054	LINC01006	12	1	-1.997751865	-2.05550357
6055	LMBR1	9	1	-0.79101828	-0.077224009
6056	NOM1	7	1	2.673042861	-1.299662672
6057	UBE3C	11	1	1.726151314	-0.232232414
6058	DNAJB6	3	1	1.735661593	3.72588662
6059	NCAPG2	10	1	3.769180384	-3.225821935
6060	ESYT2	8	1	-0.01209465	1.975137748
6061	WDR60	18	1	-3.541747007	0.84406013

6062	PLCXD1	5	1	1.987725702	-2.728525125
6063	GTPBP6	2	1	4.160799113	-0.539651059
6064	LINC00685	18	1	-3.053459081	2.008858599
6065	PPP2R3B	10	1	3.564688769	-3.332620822
6066	AL732314.4	2	1	3.906653967	0.457002565
6067	IL3RA	1	1	-1.416870985	2.536258258
6068	SLC25A6	3	1	2.528933611	5.539126195
6069	ASMTL-AS1	9	1	-0.838052425	0.018964685
6070	ASMTL	14	1	-1.082939181	3.326731004
6071	AKAP17A	8	1	0.789880958	1.369623698
6072	DHR SX	14	1	-1.173654947	3.626813926
6073	ZBED1	5	1	1.396133748	-1.638530217
6074	CD99	3	1	1.666002718	5.208841122
6075	XG	12	1	-2.801219139	-2.186059438
6076	GYG2	1	1	-2.530853185	0.964019932
6077	ARSD	4	1	-1.898892197	-1.054426991
6078	ARSE	15	1	-4.168041143	-1.397478543
6079	MXRA5	15	1	-4.195341024	0.179157294
6080	PRKX	11	1	0.764095274	-0.882460438
6081	BX890604.1	11	1	0.651555863	-0.196027301
6082	FAM239A	8	1	0.840281275	0.008178837
6083	NLGN4X	8	1	0.943925288	0.600336365
6084	PUDP	11	1	0.962554184	-0.334676169
6085	STS	12	1	-2.407518539	-2.168702089
6086	PNPLA4	15	1	-3.647567424	-1.1388826
6087	ANOS1	13	1	-3.484515819	-0.580727063
6088	TBL1X	14	1	-0.051354933	2.443054713
6089	GPR143	13	1	-3.140168819	0.226184644
6090	SHROOM2	1	1	-2.317544612	0.929728366
6091	WWC3	9	1	0.301012453	-0.355482362
6092	WWC3-AS1	1	1	-1.836267027	2.5409737
6093	CLCN4	12	1	-2.41071001	-0.981354915
6094	MID1	1	1	-2.057173166	2.122223772
6095	AC073529.1	10	1	3.619978037	-3.602088414
6096	HCCS	2	1	4.169297781	-0.365319871
6097	ARHGAP6	8	1	0.53309494	0.686548896
6098	MSL3	2	1	3.551993218	-0.456881128
6099	FRMPD4	9	1	-0.878089997	-0.454678975
6100	PRPS2	10	1	2.65116581	-3.219941102
6101	TMSB4X	3	1	2.305894223	4.677460946
6102	LINC02154	4	1	-1.603923473	-0.844467126
6103	AC135371.1	12	1	-2.238910112	-2.107085668
6104	TCEANC	13	1	-2.700008068	0.179536052

6105	RAB9A	14	1	-1.177463564	3.142710246
6106	TRAPPC2	13	1	-2.622202072	0.25310751
6107	OFD1	4	1	-1.286499533	-0.835020624
6108	GEMIN8	13	1	-3.152657661	-0.463265263
6109	FANCB	10	1	2.832512465	-3.919281207
6110	MOSPD2	1	1	-1.185478959	2.448963441
6111	PIGA	11	1	0.59208366	-1.135607086
6112	PIR	6	1	-0.398665014	-3.121781551
6113	CA5B	9	1	-0.385578457	0.270774148
6114	ZRSR2	8	1	0.021589357	0.632663645
6115	AP1S2	8	1	0.954315212	1.922598041
6116	GRPR	8	1	0.952709344	0.645295627
6117	CTPS2	11	1	1.183555451	-1.176366173
6118	SYAP1	3	1	2.310798016	3.636104144
6119	TXLNG	7	1	2.879672614	-0.518283211
6120	RBBP7	3	1	2.341210213	3.273626365
6121	REPS2	1	1	-2.40556303	2.860923804
6122	NHS	1	1	-0.588737223	1.54235927
6123	NHS-AS1	13	1	-3.625053081	-0.611033641
6124	SCML1	10	1	2.440493908	-3.242055856
6125	RAI2	12	1	-3.253321323	-2.579915963
6126	SCML2	10	1	3.507004109	-3.626984321
6127	CDKL5	9	1	-0.951413605	0.083588965
6128	PHKA2	9	1	-0.586597952	-0.055607788
6129	PDHA1	2	1	4.271110144	-0.652082764
6130	SH3KBP1	2	1	3.335457173	0.059816815
6131	BCLAF3	4	1	-0.663548264	-0.579147779
6132	MAP7D2	10	1	1.974274722	-3.938482486
6133	EIF1AX	16	1	3.294914094	3.144158162
6134	RPS6KA3	11	1	1.587756362	0.924155749
6135	CNKSR2	6	1	-1.20068911	-3.614362918
6136	SMPX	15	1	-4.028191003	-1.417290531
6137	MBTPS2	4	1	-0.312420103	-1.057252251
6138	YY2	6	1	-0.442403826	-3.376191579
6139	SMS	3	1	2.170972434	3.999011315
6140	PRDX4	3	1	2.274688092	5.0308154
6141	ACOT9	2	1	4.217495528	-0.434420608
6142	AC131011.1	8	1	0.619588104	0.58226221
6143	SAT1	3	1	0.87774196	4.629313744
6144	APOO	5	1	1.869365778	-2.855586015
6145	KLHL15	11	1	0.441209552	-1.222049795
6146	EIF2S3	14	1	0.578941312	3.83173684
6147	ZFX	11	1	1.478222099	0.074469127

6148	PDK3	9	1	-1.709666166	0.321039002
6149	POLA1	10	1	2.56507906	-3.801647388
6150	IL1RAPL1	5	1	0.084406332	-2.395033322
6151	GK	17	1	-3.624448928	2.826187409
6152	GK-AS1	17	1	-3.22567049	2.858859338
6153	TAB3	9	1	-1.243660483	0.370363704
6154	DMD	13	1	-3.446821365	-0.033755921
6155	TMEM47	8	1	0.124832202	1.68537239
6156	PRRG1	1	1	-1.870732936	1.082392491
6157	LANCL3	6	1	-1.961787376	-2.346578799
6158	CYBB	19	2	-7.483553323	0.274941183
6159	DYNLT3	12	1	-3.19773117	-2.048290931
6160	SYTL5	12	1	-3.212678585	-2.526734077
6161	SRPX	14	1	0.033494994	3.716606892
6162	RPGR	11	1	0.811782387	-1.352309071
6163	MID1IP1	3	1	1.302962986	2.445882357
6164	BCOR	4	1	-0.285307857	-0.797196232
6165	ATP6AP2	3	1	0.637796011	4.524035252
6166	CXorf38	8	1	0.250497755	0.288831398
6167	MED14	9	1	0.173435715	-0.421744846
6168	USP9X	8	1	1.013561574	1.472216166
6169	DDX3X	11	1	2.402500477	0.364952242
6170	CASK	8	1	1.070586529	0.875815548
6171	GPR34	19	2	-7.371045026	0.248672314
6172	GPR82	9	1	-0.936791453	0.580881454
6173	MAOA	13	1	-2.955773267	0.45921468
6174	NDP	18	1	-4.027134809	1.726509012
6175	FUNDC1	6	1	-0.1019014	-3.358978711
6176	KDM6A	4	1	-1.314666185	-0.917228066
6177	LINC01204	5	1	1.332603422	-2.823816501
6178	MIR222HG	7	1	1.38316938	-0.920162164
6179	AC234772.3	11	1	0.922399548	-0.444857203
6180	AC234772.2	5	1	2.006034937	-3.18888899
6181	KRBOX4	4	1	-0.326774272	-1.901653014
6182	ZNF674	9	1	-0.56435326	-0.325352095
6183	ZNF674-AS	20	1	-0.837971661	-4.372492992
6184	CHST7	1	1	-1.71164659	1.004730619
6185	SLC9A7	1	1	-0.968619856	1.277296163
6186	RP2	4	1	-0.286868247	-0.845805846
6187	JADE3	4	1	0.116512169	-0.965970956
6188	NDUFB11	3	1	2.71227273	5.0298746
6189	RBM10	7	1	2.779561844	-1.758687221
6190	UBA1	16	1	2.684372511	2.977843798

6191	CDK16	8	1	1.670699564	1.338333107
6192	USP11	2	1	3.945163813	0.635024048
6193	ZNF41	4	1	-0.765167925	-1.258123003
6194	ARAF	4	1	-0.572669777	-1.481860839
6195	SYN1	13	1	-3.008569393	-0.270574354
6196	TIMP1	3	1	1.733775583	5.018995084
6197	ELK1	9	1	-0.370406243	0.053004391
6198	UXT	3	1	2.486888972	5.445486821
6199	ZNF81	6	1	-0.975239429	-3.113633119
6200	ZNF182	9	1	-0.333518508	0.610887579
6201	SLC38A5	18	1	-3.392120037	1.03119383
6202	FTSJ1	7	1	3.599579659	-0.819939815
6203	PORCN	13	1	-2.484549913	-0.286888562
6204	EBP	2	1	4.441988555	-0.661078416
6205	TBC1D25	6	1	-1.337877068	-1.702471219
6206	AC115618.1	6	1	-2.275336418	-3.272774182
6207	RBM3	16	1	3.969503966	3.437433041
6208	WDR13	2	1	3.892189827	1.156240202
6209	SUV39H1	10	1	3.623842564	-3.694717609
6210	HDAC6	1	1	-0.949687931	1.230607368
6211	PCSK1N	15	1	-4.575741205	-1.365167104
6212	TIMM17B	2	1	4.468292323	0.225699357
6213	PQBP1	2	1	4.453780261	0.311604418
6214	SLC35A2	14	1	-1.163326058	3.441141881
6215	PIM2	11	1	0.636745182	-0.278269194
6216	OTUD5	8	1	-0.362588438	1.851459302
6217	KCND1	1	1	-2.051945362	0.83558584
6218	GRIPAP1	7	1	2.589042988	-0.809390865
6219	TFE3	9	1	0.276848358	-0.218573712
6220	CCDC120	12	1	-2.615563783	-1.371263229
6221	PRAF2	14	1	-0.808443102	3.780935325
6222	WDR45	13	1	-3.621900472	-0.4766142
6223	GPKOW	5	1	1.17834529	-3.013149463
6224	MAGIX	12	1	-3.135313425	-1.921794139
6225	PLP2	16	1	3.282731381	3.541226424
6226	PRICKLE3	1	1	-2.034000072	1.017142631
6227	CCDC22	5	1	1.226035204	-3.111439906
6228	PPP1R3F	1	1	-2.345778141	1.396737613
6229	USP27X	4	1	-1.015474948	-1.527157746
6230	CLCN5	4	1	-1.319061908	-1.597724878
6231	SHROOM4	4	1	-1.445727977	-0.785753928
6232	NUDT10	6	1	-1.137932333	-3.563212119
6233	NUDT11	5	1	0.364380923	-2.928712569

6234	GSPT2	6	1	-0.2746169	-3.360038482
6235	MAGED1	3	1	0.969295171	4.561159409
6236	GPR173	1	1	-1.558682475	0.801900096
6237	TSPYL2	15	1	-4.172675046	-0.162519239
6238	KANTR	10	1	3.998321381	-3.016518556
6239	KDM5C	8	1	0.633206335	0.907320358
6240	IQSEC2	1	1	-2.473610553	1.011887528
6241	SMC1A	10	1	3.505514708	-2.179326974
6242	HSD17B10	2	1	4.405078974	0.910418965
6243	HUWE1	11	1	1.95438036	0.614773534
6244	PHF8	9	1	-0.500082883	-0.555726014
6245	FAM120C	1	1	-1.278957042	1.818382419
6246	WNK3	6	1	-1.954347047	-3.20282384
6247	TSR2	7	1	3.762618151	-1.670672856
6248	FGD1	9	1	-0.187060031	-0.435717248
6249	GNL3L	7	1	2.411501256	-1.530031525
6250	MAGED2	3	1	2.143859473	4.974437035
6251	TRO	18	1	-2.968675765	1.241163231
6252	APEX2	5	1	1.299407568	-3.157759153
6253	FAM104B	6	1	0.440972206	-3.495252811
6254	MAGEH1	18	1	-3.668065938	1.227587975
6255	USP51	12	1	-3.004832181	-2.822053157
6256	RRAGB	13	1	-2.840402755	-0.955586516
6257	AL445472.1	15	1	-3.54702321	-1.998668157
6258	KLF8	12	1	-2.665368232	-2.004972182
6259	UBQLN2	9	1	-0.326808992	0.071153976
6260	NBDY	3	1	2.295989123	5.278253831
6261	SPIN3	9	1	-1.490857992	-0.184570872
6262	SPIN2B	12	1	-2.30330101	-2.58004614
6263	AL022157.1	15	1	-3.690246496	-1.252055608
6264	SPIN2A	1	1	-1.735219988	0.63873703
6265	ZXDB	4	1	-0.689348909	-0.671753966
6266	SPIN4	10	1	2.962672082	-3.701859199
6267	ARHGEF9	12	1	-3.318341407	-1.306112372
6268	AMER1	9	1	-0.705414865	-0.001631312
6269	ZC4H2	5	1	1.05628666	-3.269600354
6270	ZC3H12B	15	1	-3.625552091	-2.045265876
6271	LAS1L	7	1	3.400013533	-1.589472495
6272	MSN	16	1	2.815038291	3.052391566
6273	HEPH	8	1	0.374428537	0.683938302
6274	EDA2R	8	1	0.712046173	0.072600968
6275	AL157700.1	4	1	-1.077129993	-1.203576289
6276	OPHN1	8	1	0.429084328	1.017967321

6277	YIPF6	14	1	-0.671841833	3.258684195
6278	STARD8	10	1	4.114252654	-3.194349729
6279	EFNB1	4	1	-0.889319155	-0.69005438
6280	PJA1	9	1	-1.257349405	0.074884422
6281	EDA	6	1	-1.275893483	-2.58032652
6282	IGBP1	14	1	-1.47795454	3.616935529
6283	IGBP1-AS2	1	1	-1.254753384	1.57132665
6284	PDZD11	2	1	4.021598187	1.091091849
6285	KIF4A	10	1	4.467923251	-3.441330157
6286	AL139398.1	12	1	-2.687202844	-2.895750009
6287	DLG3	4	1	0.417662886	-1.475495063
6288	TEX11	15	1	-4.87336627	-1.04503461
6289	SNX12	6	1	-0.75894067	-2.229105912
6290	FOXO4	1	1	-1.615865263	0.832814045
6291	MED12	6	1	-0.736310634	-2.076212369
6292	ZMYM3	4	1	-1.208307061	-0.724324309
6293	NONO	16	1	2.742534724	3.087065734
6294	ITGB1BP2	4	1	-1.818929705	-0.864121162
6295	TAF1	9	1	0.051165942	-0.52804067
6296	OGT	1	1	-0.445939484	1.508338965
6297	GCNA	1	1	-0.824040207	1.292085744
6298	NHSL2	4	1	-1.858600172	-0.604898118
6299	RTL5	6	1	-0.817972693	-2.612538539
6300	PIN4	2	1	3.853313294	1.397927083
6301	ERCC6L	10	1	3.60590705	-3.844777309
6302	RPS4X	3	1	2.371783104	5.556273259
6303	HDAC8	6	1	-0.496039721	-2.658542596
6304	PHKA1	13	1	-2.131818685	-0.49006667
6305	NAP1L2	12	1	-2.878309402	-2.698370896
6306	CHIC1	4	1	-1.46870223	-0.483777307
6307	TSIX	8	1	0.862517801	0.940672673
6308	XIST	8	1	0.792104807	0.532608427
6309	JPX	11	1	2.782736626	-0.148221098
6310	FTX	14	1	-0.407939974	2.59803418
6311	SLC16A2	9	1	-0.929651532	-0.157830797
6312	RLIM	8	1	0.241597783	2.113741912
6313	ABCB7	1	1	-2.291055355	2.259068526
6314	UPRT	6	1	-0.553827259	-2.850187503
6315	PBDC1	2	1	4.513193694	-0.154153548
6316	ATRX	3	1	2.210763302	2.833598651
6317	MAGT1	14	1	-0.009090021	2.450519599
6318	COX7B	3	1	2.766427126	5.105035104
6319	ATP7A	13	1	-2.432301435	0.080838211

6320	PGK1	3	1	1.633744445	4.443740167
6321	TAF9B	5	1	1.751746264	-3.111723386
6322	LPAR4	10	1	2.473921624	-3.226556502
6323	BRWD3	1	1	-0.83241621	1.35437838
6324	HMG5	6	1	-0.472886059	-3.435476504
6325	SH3BGR1	3	1	1.000906673	4.768898286
6326	RPS6KA6	9	1	-0.367745194	-0.060537033
6327	HDX	4	1	0.021830248	-1.600667201
6328	APOOL	11	1	1.297672835	0.087978519
6329	ZNF711	11	1	0.625729111	-0.860175573
6330	CHM	7	1	2.342537013	-0.877233468
6331	DACH2	8	1	0.913107601	0.513382412
6332	KLHL4	6	1	-2.501127872	-3.186381303
6333	NAP1L3	12	1	-2.689063701	-2.952900373
6334	FAM133A	12	1	-3.249051723	-2.799593412
6335	DIAPH2	8	1	0.983276573	1.151160516
6336	RPA4	11	1	0.674037662	-1.13353654
6337	PCDH19	9	1	-1.836764607	-0.208883666
6338	TSPAN6	18	1	-3.644837055	0.742820717
6339	SRPX2	14	1	-0.442191276	3.506809033
6340	SYTL4	8	1	-0.052076395	1.213527418
6341	CSTF2	7	1	2.417299595	-2.565164767
6342	TRMT2B	11	1	0.778173116	-1.401291572
6343	TMEM35A	8	1	0.604435649	0.112348266
6344	CENPI	10	1	3.603562441	-3.745193206
6345	DRP2	6	1	-1.222770962	-1.845450126
6346	TAF7L	6	1	-1.021083507	-3.458965026
6347	TIMM8A	7	1	2.535925475	-2.47137972
6348	BTK	19	2	-7.389442834	0.28171359
6349	RPL36A	3	1	1.721844759	5.129294194
6350	GLA	5	1	1.063921061	-2.86227151
6351	HNRNP2	2	1	3.364834633	-0.277526818
6352	ARMCX4	9	1	-1.184702191	0.080198414
6353	ARMCX1	17	1	-3.057838592	2.38504938
6354	ARMCX6	2	1	3.737343636	1.006325163
6355	ARMCX3	14	1	-0.770365808	3.31255082
6356	ARMCX2	14	1	-1.111995253	3.366499461
6357	TCEAL2	10	1	2.596841898	-3.213451348
6358	TMSB15A	10	1	2.979572144	-3.069015943
6359	ARMCX5	4	1	-0.847282383	-1.868685208
6360	GPRASP1	9	1	-1.286594305	0.217350714
6361	GPRASP2	6	1	-0.894130978	-2.160314046
6362	BHLHB9	4	1	-0.433373007	-1.180274211

6363	LINC00630	9	1	-0.030971456	-0.194128238
6364	Z68871.1	4	1	-1.030052933	-0.647750937
6365	BEX1	8	1	0.323117164	1.197905041
6366	BEX4	18	1	-3.096906337	1.335216798
6367	TCEAL8	3	1	1.141916004	4.911168851
6368	BEX2	3	1	1.238752809	2.520195283
6369	TCEAL7	18	1	-3.147239599	2.207368053
6370	TCEAL9	3	1	1.166566458	4.675921716
6371	BEX3	3	1	1.961248961	5.116376675
6372	TCEAL4	3	1	1.912978378	4.636623181
6373	TCEAL3	3	1	1.167293039	4.656441487
6374	TCEAL1	13	1	-3.158116731	-0.914792262
6375	MORF4L2	3	1	1.999505845	4.476826466
6376	ORF4L2-A	20	1	-0.934893105	-4.511644565
6377	RAB9B	12	1	-2.413410577	-1.419782959
6378	MSB15B-A5	12	1	-2.526548061	-1.335353337
6379	TMSB15B	11	1	0.494417396	-0.843490206
6380	TMSB15B.1	5	1	1.211812821	-2.485165797
6381	SLC25A53	13	1	-2.550042066	-0.427177392
6382	FAM199X	4	1	0.517001894	-1.445312225
6383	NRK	10	1	2.07500371	-3.336905204
6384	MUM1L1	15	1	-4.087924871	0.035063244
6385	RNF128	18	1	-3.940904293	1.837499417
6386	TBC1D8B	14	1	-0.931616816	2.753697432
6387	MORC4	7	1	2.171885338	-0.380269371
6388	RBM41	9	1	-0.06696372	-0.403635226
6389	PRPS1	7	1	3.789138642	-1.521689855
6390	TSC22D3	8	1	0.164753836	1.512011207
6391	MID2	9	1	-1.517568621	0.033984609
6392	PSMD10	7	1	2.689358798	-0.869097673
6393	ATG4A	6	1	-0.91198239	-2.77700802
6394	COL4A6	18	1	-3.966288957	1.888046779
6395	COL4A5	1	1	-2.644522104	1.900117911
6396	NXT2	6	1	-0.695422146	-3.516753875
6397	ACSL4	3	1	1.214086261	2.244261898
6398	TMEM164	6	1	-1.46614376	-2.188452445
6399	AMMECR1	4	1	0.05394245	-0.977731906
6400	PAK3	11	1	0.656062391	-1.1235561
6401	SERTM2	17	1	-3.485142621	2.496856011
6402	ALG13	4	1	0.35641655	-1.348348581
6403	AMOT	4	1	0.455750552	-1.737660371
6404	IL13RA2	1	1	-1.328430328	2.19539956
6405	LRCH2	1	1	-1.253780875	1.155749894

6406	PLS3	3	1	1.845004168	3.783834971
6407	DANT2	15	1	-3.810382041	-0.311270319
6408	KLHL13	19	2	-6.997645292	0.188583962
6409	WDR44	9	1	-0.975415263	-0.194207214
6410	DOCK11	12	1	-2.985961589	-1.99596449
6411	IL13RA1	14	1	-0.504663321	3.328763284
6412	PGRMC1	3	1	1.306536761	4.18444971
6413	SLC25A43	9	1	-0.731441292	0.419460982
6414	SLC25A5	16	1	2.912798729	3.700539864
6415	CXorf56	9	1	0.03166277	-0.294471167
6416	UBE2A	2	1	3.987233248	-0.07831236
6417	NKRF	5	1	0.798234132	-1.478829228
6418	SEPT6	18	1	-3.584190044	0.7215387
6419	RPL39	3	1	1.746388999	5.219496049
6420	UPF3B	10	1	3.752742138	-3.269639693
6421	RNF113A	13	1	-2.991221342	-0.449401699
6422	NDUFA1	3	1	2.101347056	5.162458218
6423	NKAP	2	1	4.305545893	0.51294478
6424	ZBTB33	1	1	-1.011184964	1.073565997
6425	LAMP2	3	1	0.237426993	4.286485709
6426	CUL4B	14	1	-0.465546402	2.652086772
6427	MCTS1	16	1	3.948576775	3.311286248
6428	C1GALT1C	6	1	-0.657701048	-2.182090484
6429	GRIA3	13	1	-3.440287742	-0.583615743
6430	THOC2	11	1	1.640033093	1.011482395
6431	XIAP	8	1	0.141633291	2.21799425
6432	AL121601.1	20	1	-1.147553715	-4.254076682
6433	STAG2	8	1	0.946550694	1.992384113
6434	SMARCA1	14	1	0.146845069	3.556757964
6435	OCRL	9	1	-0.976748738	0.028394855
6436	APLN	10	1	2.49734768	-3.230043851
6437	ZDHHC9	1	1	-1.529281053	1.9642388
6438	UTP14A	2	1	3.752117005	-0.816113793
6439	BCORL1	9	1	-1.060206208	0.1384257
6440	ELF4	4	1	-0.162359271	-1.200119935
6441	AIFM1	2	1	3.761161652	-0.496350013
6442	RAB33A	13	1	-3.057604703	-0.829674445
6443	ZNF280C	9	1	-0.192783582	-0.177402519
6444	SLC25A14	6	1	-1.166877064	-2.032387696
6445	RBMX2	2	1	3.213811484	-0.185691379
6446	ENOX2	4	1	-0.367286089	-1.56198784
6447	STK26	4	1	0.111419473	-1.295534097
6448	RAP2C	4	1	-1.61268917	-0.672064029

6449	RAP2C-AS1	12	1	-3.214157972	-2.321490728
6450	MBNL3	10	1	2.023851362	-3.367656194
6451	GPC4	15	1	-4.092681798	-1.775894843
6452	GPC3	17	1	-3.294672641	2.393309392
6453	PHF6	7	1	2.972328749	-0.843719684
6454	HPRT1	7	1	3.752237406	-1.130951129
6455	MIR503HG	3	1	1.608386245	2.748167552
6456	LINC00629	15	1	-4.158166322	-1.833213769
6457	PLAC1	15	1	-3.4764258	-1.145978175
6458	FAM122B	10	1	3.418736306	-2.924612008
6459	FAM122C	1	1	-1.984582338	2.1131889
6460	MOSPD1	4	1	-0.465084407	-0.815384232
6461	SMIM10	6	1	-0.907955322	-3.567684375
6462	RTL8B	6	1	-1.531273636	-2.466444694
6463	RTL8C	3	1	1.019448009	4.381932534
6464	RTL8A	2	1	3.804783669	1.269955791
6465	SMIM10L2E	1	1	-2.567202005	1.337382234
6466	ZNF75D	4	1	-0.443015668	-0.853021942
6467	ZNF449	9	1	-1.468538913	0.414445657
6468	INTS6L	13	1	-2.748087558	-0.86569532
6469	MMGT1	11	1	1.132551041	-1.116852723
6470	SLC9A6	4	1	-0.917428705	-1.499610029
6471	FHL1	13	1	-2.835246477	-0.962907277
6472	MAP7D3	7	1	4.15528163	-1.089683615
6473	HTATSF1	2	1	3.549684372	-0.636194192
6474	ARHGEF6	13	1	-2.119355115	-0.643537723
6475	AL683813.1	1	1	-1.925430808	2.324796714
6476	RBMX	16	1	2.658942071	3.472368754
6477	ATP11C	8	1	1.178008404	1.337725557
6478	LINC00632	1	1	-2.603432331	2.044559754
6479	CDR1	1	1	-1.969273004	2.104964889
6480	AL078639.1	1	1	-2.431247863	1.74322132
6481	LDOC1	14	1	-1.151492867	2.813711203
6482	SLITRK4	12	1	-2.804342184	-2.29331585
6483	FMR1	7	1	1.922161546	-1.347173177
6484	AFF2	15	1	-3.885756883	-2.252610646
6485	IDS	1	1	-0.572507474	2.370272316
6486	LINC00893	12	1	-3.107510242	-1.755728923
6487	CXorf40A	13	1	-2.626169595	-0.348821245
6488	TMEM185A	1	1	-1.255570921	1.306473352
6489	CXorf40B	6	1	-1.57731429	-2.952335082
6490	MAMLD1	4	1	-0.46369246	-1.099088513
6491	MTM1	4	1	-0.357350084	-0.731526219

6492	MTMR1	9	1	0.047735085	-0.613133334
6493	CD99L2	13	1	-1.914072904	0.13857878
6494	HMGB3	10	1	4.174161997	-2.282741271
6495	VMA21	7	1	3.610925761	-0.880890452
6496	GABRE	1	1	-2.339002761	2.359135546
6497	GABRA3	18	1	-2.905058298	1.780507006
6498	GABRQ	17	1	-3.132571849	2.343780197
6499	CETN2	3	1	0.839953747	4.704835214
6500	NSDHL	2	1	3.834896651	0.413396794
6501	ZNF185	4	1	0.113467586	-1.425701462
6502	PNMA6A	13	1	-3.275204811	-0.013775371
6503	ZNF275	1	1	-1.599256429	1.083798565
6504	ZFP92	13	1	-2.535541687	-0.721524559
6505	HAUS7	10	1	3.245112982	-3.177756749
6506	BGN	3	1	1.091485944	4.865321435
6507	CCNQ	2	1	4.410832015	0.2951295
6508	SLC6A8	1	1	-1.579220209	1.611900724
6509	BCAP31	16	1	3.695749608	3.7670689
6510	ABCD1	4	1	-1.93171576	-1.524694286
6511	SRPK3	12	1	-2.574046049	-1.442251645
6512	IDH3G	2	1	4.546112147	0.775319107
6513	SSR4	3	1	2.055607405	5.165946759
6514	NAA10	2	1	4.620299902	1.713362135
6515	HCFC1	7	1	2.312826005	-1.079510175
6516	TMEM187	18	1	-2.887158784	0.826334871
6517	IRAK1	11	1	1.621789542	-0.287563108
6518	MECP2	14	1	-0.557522389	3.246175803
6519	FLNA	3	1	1.947825041	4.29859785
6520	EMD	2	1	4.118526068	0.438220467
6521	RPL10	3	1	2.130341855	5.5692809
6522	DNASE1L1	1	1	-1.800613555	3.141790904
6523	TAZ	5	1	0.328333643	-2.25074216
6524	AC244090.1	12	1	-3.199791584	-1.815376722
6525	ATP6AP1	14	1	-0.300978634	4.191698827
6526	GDI1	14	1	0.239285213	2.634732283
6527	FAM50A	16	1	3.887028065	3.634032048
6528	PLXNA3	13	1	-2.119157943	-0.190214478
6529	LAGE3	2	1	4.226938334	1.076730467
6530	UBL4A	7	1	3.206959572	-1.1544865
6531	SLC10A3	12	1	-2.533446941	-1.355072938
6532	FAM3A	2	1	3.614166585	0.930584229
6533	G6PD	2	1	4.251145449	1.763687528
6534	IKBKKG	5	1	1.093572584	-3.212491714

6535	GAB3	1	1	-2.181356344	1.553748883
6536	DKC1	7	1	3.890418377	-1.223089896
6537	MPP1	5	1	1.31483933	-3.069314681
6538	F8A1	6	1	-1.877869877	-2.741945945
6539	FUND2	13	1	-3.496940288	-0.384627126
6540	CMC4	12	1	-2.460111055	-2.792533361
6541	BRCC3	5	1	1.690965858	-2.969324075
6542	VBP1	2	1	4.224833098	-0.890001856
6543	RAB39B	3	1	1.200696555	2.447750844
6544	TMLHE	9	1	-1.473602328	0.238973863
6545	SPRY3	18	1	-3.024002227	1.205543197
6546	VAMP7	4	1	-1.693082723	-1.50931152
6547	ZNF596	12	1	-2.902413759	-2.471105539
6548	FBXO25	18	1	-2.983968172	1.521363295
6549	AC083964.1	5	1	0.988729802	-1.545832835
6550	TDRP	8	1	0.25367288	0.533458166
6551	ERICH1	2	1	3.298248377	-0.204042398
6552	DLGAP2	5	1	-0.387360785	-2.482173883
6553	CLN8	4	1	-0.857287321	-0.727874838
6554	AC100810.1	13	1	-3.531114492	-0.485752665
6555	ARHGEF10	1	1	-1.363284144	1.873838581
6556	KBTBD11	6	1	-1.904629025	-2.457267724
6557	AC016065.1	12	1	-2.803903732	-2.145742618
6558	MCPH1	5	1	1.398641196	-1.83438512
6559	ANGPT2	1	1	-1.396899137	1.003294684
6560	AGPAT5	7	1	3.059626427	-2.454257451
6561	XKR5	10	1	2.767789927	-3.99926015
6562	PRAG1	4	1	0.244262379	-0.959594809
6563	MFHAS1	9	1	0.033508929	0.23917339
6564	ERI1	10	1	2.743332472	-3.577590667
6565	PPP1R3B	1	1	-2.406643304	2.707413234
6566	AC022784.7	7	1	2.207445469	-1.889327727
6567	AC022784.3	15	1	-3.892340335	-0.335099422
6568	TNKS	8	1	0.208940488	1.894139565
6569	AC034111.1	6	1	-0.752865288	-3.834605418
6570	MSRA	6	1	-0.57237694	-3.39890524
6571	SOX7	5	1	0.634013501	-2.37561246
6572	PINX1.1	7	1	2.293960419	-2.564498626
6573	AC011008.1	15	1	-4.399333868	-1.338533364
6574	XKR6	4	1	-0.863866958	-0.995125376
6575	MTMR9	4	1	-0.479988548	-1.18385347
6576	FAM167A	17	1	-3.275706682	2.575050629
6577	NEIL2	5	1	0.490118024	-2.478971444

6578	FDFT1	3	1	1.095979896	4.084132947
6579	AC069185.1	12	1	-3.153833541	-1.460299336
6580	CTSB	3	1	0.886031893	4.558027066
6581	FAM86B1	5	1	0.485900637	-2.38556882
6582	AC145124.1	1	1	-0.593192074	2.001013912
6583	AC087203.3	12	1	-3.041562232	-1.449281298
6584	LONRF1	8	1	0.779463735	0.054129846
6585	DLC1	3	1	2.339053002	2.800195254
6586	C8orf48	6	1	-1.250248584	-3.290243589
6587	TUSC3	3	1	1.24507257	4.501212872
6588	MSR1	19	2	-7.085214052	0.249958806
6589	FGF20	8	1	0.517269698	0.553408868
6590	MICU3	8	1	0.771099475	0.412560567
6591	ZDHHC2	11	1	1.715337959	-0.020294897
6592	CNOT7	3	1	1.566511956	1.930632151
6593	VPS37A	8	1	0.43414509	1.978018202
6594	SLC7A2	8	1	0.829353836	0.631905801
6595	PDGFRL	1	1	-2.066732082	2.706951417
6596	PCM1	7	1	3.328888979	-0.747099601
6597	ASAH1	15	1	-3.909485254	-0.293351196
6598	AC124242.1	6	1	-2.301474485	-3.169629298
6599	NAT1	6	1	-1.642541203	-2.835049831
6600	PSD3	17	1	-3.28813735	2.425477542
6601	SH2D4A	2	1	3.595759955	-0.631991945
6602	SGALNAC7	17	1	-3.121194515	2.372507132
6603	INTS10	14	1	-0.663908455	3.229103602
6604	ATP6V1B2	8	1	0.72686657	0.462207302
6605	LZTS1	9	1	0.181546923	-0.234029256
6606	XPO7	11	1	0.843678442	-0.947688066
6607	DMTN	4	1	-1.802895817	-1.39788767
6608	FAM160B2	1	1	-1.431231174	1.329005815
6609	NUDT18	13	1	-3.006699953	0.043820597
6610	REEP4	10	1	4.535152045	-3.297441207
6611	LGI3	12	1	-2.915309343	-1.994716846
6612	BMP1	13	1	-3.256028327	-0.371317707
6613	PHYHIP	13	1	-2.477951679	0.020541705
6614	POLR3D	14	1	-1.091125879	3.402056016
6615	SLC39A14	1	1	-0.19662917	2.135066308
6616	PPP3CC	9	1	0.418021199	-0.266723417
6617	SORBS3	3	1	1.652763095	4.136262454
6618	PDLIM2	3	1	2.268892851	5.229977406
6619	C8orf58	6	1	-1.35461286	-1.973183833
6620	CCAR2	5	1	1.147777644	-1.614265762

6621	BIN3	7	1	2.028482881	-2.343989574
6622	EGR3	18	1	-4.066959295	1.905142344
6623	PEBP4	17	1	-4.797700319	2.766264476
6624	AC107959.1	17	1	-4.798825654	3.240581073
6625	RHOBTB2	6	1	-0.618236932	-2.142982684
6626	TNFRSF10E	8	1	0.692928639	0.554106317
6627	TNFRSF10E	4	1	-1.115973505	-1.050277315
6628	TNFRSF10A	4	1	-0.735988471	-1.131458245
6629	CHMP7	5	1	0.777775851	-1.773161851
6630	R3HCC1	2	1	4.354595271	0.467093408
6631	LOXL2	3	1	1.085209575	4.479039944
6632	ENTPD4	8	1	0.101855506	2.073982395
6633	SLC25A37	14	1	-0.673140738	3.077547826
6634	NKX3-1	8	1	0.484883574	-0.057227992
6635	STC1	17	1	-2.893195304	2.811919965
6636	NEFM	18	1	-2.98515645	2.100427307
6637	DOCK5	11	1	1.912303296	-0.228360735
6638	GNRH1	1	1	-2.132820997	0.769307859
6639	KCTD9	7	1	2.400449601	-1.455487453
6640	CDCA2	10	1	4.155971137	-3.522427045
6641	PPP2R2A	11	1	2.441536513	-0.181421183
6642	BNIP3L	3	1	0.906453815	4.66497115
6643	PNMA2	6	1	-0.642407808	-2.41127082
6644	DPYSL2	3	1	1.020157424	4.447258271
6645	STMN4	9	1	-0.54625276	0.940282561
6646	TRIM35	4	1	-0.370477381	-0.769127928
6647	PTK2B	1	1	-2.215583	1.261044778
6648	EPHX2	18	1	-3.15836421	1.417643703
6649	CLU	3	1	0.794592586	4.719616689
6650	SCARA3	7	1	2.694218483	-0.936419688
6651	CCDC25	2	1	4.438090411	0.193569653
6652	AC013643.2	6	1	-2.042712364	-3.367829047
6653	ESCO2	10	1	3.007436123	-4.085097991
6654	PBK	10	1	4.369298544	-3.189329349
6655	ELP3	5	1	1.127275911	-1.301475607
6656	ZNF395	1	1	-2.458025608	2.822486199
6657	FBXO16	15	1	-3.91379157	-1.424359285
6658	EXTL3	4	1	-0.525905821	-1.45289167
6659	EXTL3-AS1	12	1	-2.88864747	-2.097484552
6660	INTS9	5	1	0.57429662	-2.478482448
6661	HMBOX1	1	1	-0.982494149	1.519683875
6662	KIF13B	4	1	-0.725317511	-0.922252022
6663	DUSP4	6	1	-1.387127194	-3.263480865

6664	SARAF	3	1	0.50704458	4.682780064
6665	AC044849.1	6	1	-2.484501276	-3.529683791
6666	LEPROTL1	2	1	3.823432293	0.245400257
6667	AC026979.2	20	1	-1.218404564	-4.409591876
6668	DCTN6	2	1	3.863167849	0.286517992
6669	RBPMS-AS1	13	1	-3.367628488	-0.135065578
6670	RBPMS	3	1	0.950981405	4.059243478
6671	GTF2E2	8	1	1.499485698	1.132423557
6672	GSR	8	1	-0.054645333	0.51886519
6673	UBXN8	6	1	-0.853124473	-3.10059496
6674	PPP2CB	11	1	1.762724367	-0.019496761
6675	TEX15	8	1	0.924204019	0.259663887
6676	WRN	11	1	1.290416685	-0.321817003
6677	NRG1	5	1	0.953790989	-2.345795356
6678	AC090204.1	1	1	-0.390670958	1.353251792
6679	AC067838.1	6	1	-1.521139893	-1.970579826
6680	FUT10	4	1	-0.607288215	-2.034651958
6681	TTI2	5	1	1.368284312	-2.866922818
6682	MAK16	7	1	3.06004819	-1.471114837
6683	LINC01605	5	1	1.194024649	-1.959974013
6684	ZNF703	8	1	0.738109735	1.928671993
6685	ERLIN2	7	1	1.716275301	-1.004930459
6686	PLPBP	7	1	3.239542094	-0.902358376
6687	ADGRA2	14	1	-0.050856988	2.937387742
6688	BRF2	1	1	-1.665002856	0.894697763
6689	RAB11FIP1	9	1	-1.166229162	-0.254984699
6690	EIF4EBP1	3	1	1.87693533	3.278060473
6691	AP006545.2	15	1	-3.589813623	-1.204342686
6692	ASH2L	5	1	-0.11646508	-2.830076181
6693	STAR	18	1	-3.645343933	1.732391394
6694	LSM1	2	1	4.021416989	0.399133308
6695	BAG4	4	1	0.286865947	-1.35777887
6696	DDHD2	9	1	-0.386984649	-0.000467114
6697	PLPP5	14	1	-0.63990334	3.670609273
6698	NSD3	11	1	2.009966817	0.748307474
6699	AC087623.3	6	1	-1.8383396	-3.482930862
6700	LETM2	5	1	1.40610322	-2.306750022
6701	FGFR1	8	1	0.931768802	1.537968673
6702	TACC1	11	1	2.30710825	-0.160531543
6703	PLEKHA2	14	1	-0.398979369	2.806533135
6704	AC108863.1	1	1	-1.393245968	2.554895676
6705	TM2D2	2	1	4.025502291	0.353832412
6706	ADAM9	3	1	0.955519584	4.010129966

6707	ADAM32	17	1	-4.812288198	2.812685527
6708	TCIM	8	1	-0.132867473	1.452795066
6709	ZMAT4	17	1	-3.292559537	2.527933635
6710	SFRP1	8	1	0.958644417	0.495892308
6711	GOLGA7	14	1	-0.375949088	3.054764308
6712	GINSA	10	1	2.896622744	-3.61022421
6713	GPAT4	4	1	0.09656733	-0.904646479
6714	KAT6A	11	1	1.35538229	-0.335340165
6715	AP3M2	5	1	1.338288513	-1.534190499
6716	PLAT	17	1	-3.66924468	2.694994725
6717	AC083973.1	18	1	-4.036153707	1.65683452
6718	IKBKB	8	1	0.405837235	0.216624133
6719	POLB	5	1	1.220233765	-1.71102234
6720	VDAC3	2	1	4.440558997	-0.760306917
6721	SLC20A2	8	1	0.514017549	0.99402187
6722	SMIM19	2	1	3.441759196	0.264779106
6723	THAP1	11	1	0.734711137	-1.106851064
6724	RNF170	9	1	-1.358814511	-0.048169546
6725	HOOK3	11	1	1.684213844	1.028191842
6726	FNTA	14	1	-0.871538076	3.197092332
6727	POMK	6	1	-0.797567937	-2.963682138
6728	HGSNAT	1	1	-0.879142913	1.634060897
6729	SPIDR	4	1	0.171580937	-1.314185702
6730	CEBPD	3	1	1.53811225	5.067721166
6731	PRKDC	16	1	3.398016062	2.825709618
6732	MCM4	10	1	2.540164795	-3.979997836
6733	UBE2V2	16	1	3.269485798	3.470968284
6734	SNAI2	15	1	-3.880710992	0.564588897
6735	PCMTD1	14	1	-1.484838519	3.257401027
6736	AC064807.1	12	1	-3.229584369	-2.414655887
6737	ST18	19	2	-7.297720823	0.246561207
6738	ALKAL1	8	1	0.822607663	0.858758665
6739	RB1CC1	8	1	0.950590518	1.19185207
6740	ATP6V1H	2	1	3.096889821	0.111406363
6741	RGS20	5	1	1.660520282	-1.957778417
6742	TCEA1	3	1	1.937818375	3.041958608
6743	LYPLA1	11	1	1.827874866	0.289489791
6744	MRPL15	2	1	4.519390669	-0.360999726
6745	SOX17	11	1	0.749664274	-0.168775462
6746	RP1	13	1	-2.898859891	-0.705608092
6747	TMEM68	9	1	-0.119205731	-0.04495772
6748	TGS1	2	1	3.96740469	-0.613998316
6749	LYN	1	1	-0.547175738	1.539786495

6750	RPS20	3	1	1.576881853	5.219664372
6751	PLAG1	1	1	-1.903490815	2.321655787
6752	CHCHD7	14	1	-1.097424302	3.442908086
6753	PENK	17	1	-2.949051532	2.542452372
6754	LINC00968	18	1	-3.309380207	0.793803341
6755	IMPAD1	14	1	0.005526625	2.437632836
6756	FAM110B	1	1	-2.457353029	2.387213506
6757	UBXN2B	6	1	-0.384024415	-2.658886872
6758	SDCBP	14	1	0.100168255	3.621711768
6759	NSMAF	11	1	0.776045707	-0.844299875
6760	TOX	5	1	1.272675481	-2.009844028
6761	AC090152.1	5	1	1.07305738	-2.26323887
6762	LINC01301	1	1	-2.143719587	2.521977938
6763	RAB2A	3	1	2.213908759	4.97985629
6764	CHD7	4	1	-1.006482992	-1.257205807
6765	ASPH	3	1	1.689075556	4.16420082
6766	GGH	14	1	0.757335272	3.136881627
6767	THDF3-AS	6	1	-1.638434085	-3.562067472
6768	YTHDF3	8	1	0.31882092	2.101860441
6769	AC011978.2	9	1	-1.597274336	0.081065126
6770	CYP7B1	15	1	-4.331330213	-1.847128593
6771	ARMC1	7	1	3.245839444	-1.648642265
6772	MTFR1	7	1	3.080845204	-1.166947089
6773	PDE7A	5	1	2.109797326	-2.813959323
6774	AC100812.1	12	1	-2.792937192	-1.203618728
6775	TRIM55	8	1	0.951121059	0.542747713
6776	RRS1	7	1	3.965637293	-1.147706114
6777	VXN	5	1	1.077439156	-1.435730778
6778	MYBL1	10	1	3.551619139	-3.728038036
6779	VCPIP1	9	1	-0.748705122	0.3731617
6780	SGK3	4	1	-0.750907335	-1.73517295
6781	C8orf44	1	1	-1.790976557	1.368720867
6782	COPS5	2	1	4.570347395	0.371178436
6783	CSPP1	5	1	0.60278472	-3.153493129
6784	ARFGEF1	8	1	1.015213516	1.430193938
6785	C8orf34	4	1	-1.150246891	-1.035708986
6786	AC083967.1	12	1	-2.615431699	-1.980045997
6787	LINC01592	12	1	-2.008848819	-2.710429393
6788	SULF1	3	1	1.181578842	4.127478875
6789	NCOA2	9	1	-1.198882374	-0.313423179
6790	AC022730.4	15	1	-3.86433402	-1.285311662
6791	TRAM1	3	1	0.859381047	4.743954934
6792	LACTB2	6	1	-0.161937165	-3.201747857

6793	MSC-AS1	1	1	-1.560222897	2.888545789
6794	MSC	8	1	0.636734453	2.187748231
6795	TRPA1	17	1	-3.077211055	2.803162135
6796	TERF1	2	1	3.401551095	-0.710915648
6797	SBSPON	6	1	-2.232722911	-3.213521205
6798	C8orf89	15	1	-4.695705327	-0.800941907
6799	RPL7	3	1	1.767635432	5.396580495
6800	RDH10	13	1	-2.308770809	-0.366516911
6801	STAU2	9	1	0.019550132	0.333749387
6802	UBE2W	9	1	-0.820939157	0.40185952
6803	ELOC	16	1	3.569833603	3.69940523
6804	TMEM70	2	1	3.740695563	-0.414143227
6805	LY96	13	1	-2.471841726	0.279191464
6806	JPH1	4	1	-0.311646554	-2.206777774
6807	GDAP1	6	1	-1.565301094	-3.48021742
6808	CRISPLD1	12	1	-3.269492301	-2.510745011
6809	LINC01109	5	1	1.486499992	-2.236724101
6810	ZFHX4-AS1	6	1	-1.100431714	-3.699445449
6811	ZFHX4	7	1	2.834410039	-0.468548082
6812	PEX2	14	1	-1.142746958	3.440054454
6813	PKIA	5	1	0.476772216	-2.885645591
6814	ZC2HC1A	7	1	2.221452561	-1.137543641
6815	IL7	15	1	-4.873532686	-1.008755647
6816	AC083837.1	15	1	-4.779837999	-0.724348746
6817	STMN2	15	1	-4.531021986	-1.056314193
6818	HEY1	17	1	-3.675702486	2.385121621
6819	LINC01607	18	1	-3.247864875	1.244663872
6820	MRPS28	5	1	1.057278958	-3.247653924
6821	AC036214.3	1	1	-2.027389917	0.79708261
6822	TPD52	13	1	-2.903014574	0.465078115
6823	AC009812.1	8	1	0.443693545	0.176916234
6824	ZBTB10	9	1	-0.098518628	0.605218
6825	ZNF704	15	1	-4.878987226	-1.080561482
6826	PAG1	4	1	-1.397581729	-0.772808992
6827	AC009902.2	6	1	-1.181701693	-3.162840806
6828	FABP5	16	1	3.689807501	3.003445901
6829	FABP4	7	1	2.122953978	-2.568956576
6830	IMPA1	11	1	1.7563059	0.336578429
6831	ZFAND1	14	1	-0.867799077	3.174674548
6832	CHMP4C	12	1	-2.726570281	-2.370929204
6833	SNX16	4	1	-0.11013529	-0.921479427
6834	LRRCC1	10	1	2.913294163	-3.504217111
6835	E2F5	11	1	0.851043549	-1.172453605

6836	C8orf59	3	1	2.845757809	5.039621152
6837	CA13	4	1	-1.039241347	-1.604492866
6838	CA3	15	1	-4.231209192	-0.993049227
6839	CA2	15	1	-4.52957097	-1.076610528
6840	WWP1	4	1	-0.436445507	-1.296254121
6841	RMDN1	2	1	3.90463337	0.109603263
6842	CPNE3	14	1	-0.672536466	2.95398096
6843	MMP16	12	1	-3.115292224	-2.04940816
6844	AF117829.1	9	1	-1.049580726	0.530584715
6845	RIPK2	14	1	-0.733059022	2.85419587
6846	OSGIN2	8	1	0.435827222	0.25709074
6847	NBN	2	1	3.203532782	-0.354633592
6848	DECR1	2	1	3.708353367	1.393239535
6849	TMEM64	9	1	-1.166262063	0.358840661
6850	C8orf88	11	1	0.661564317	-1.17552229
6851	PIP4P2	14	1	-1.344690594	3.02544073
6852	OTUD6B-AS1	2	1	4.305574027	0.239921219
6853	OTUD6B	7	1	2.147943821	-1.274533831
6854	LRRC69	9	1	-0.831619534	0.167299859
6855	RUNX1T1	15	1	-4.212907705	-0.141745113
6856	TRIQQ	14	1	-1.539390597	3.259708918
6857	FAM92A	2	1	3.836582985	-0.440978848
6858	AC120053.1	1	1	-0.970872435	0.997706033
6859	RBM12B	11	1	0.554366317	-0.403860055
6860	TMEM67	6	1	-1.244941148	-1.946232759
6861	PDP1	8	1	0.57385501	1.783963956
6862	GEM	17	1	-4.118555459	2.647268809
6863	RAD54B	10	1	2.815271941	-3.811958514
6864	FSBP	1	1	-2.098865661	1.677575506
6865	VIRMA	11	1	2.305502501	0.255850024
6866	AC023632.2	20	1	-1.148543033	-4.35298606
6867	DPY19L4	1	1	-0.702420506	1.324888088
6868	INTS8	5	1	1.021821347	-1.450156175
6869	CCNE2	10	1	2.465503064	-4.182236873
6870	NDUFAF6	5	1	0.640050915	-3.503212892
6871	TP53INP1	13	1	-2.612410697	-0.380591355
6872	PLEKHF2	5	1	0.511424836	-2.556145869
6873	C8orf37	8	1	0.303767082	0.143336378
6874	GDF6	12	1	-2.480086956	-2.4363577
6875	UQCRB	3	1	1.657342997	5.202225484
6876	MTERF3	7	1	2.317115155	-2.228796683
6877	PTDSS1	7	1	1.928774682	-1.29403659
6878	SDC2	14	1	-0.826558504	2.479493178

6879	CPQ	14	1	-1.265306863	3.329082049
6880	TSPYL5	6	1	-0.636358413	-2.741593324
6881	MTDH	16	1	3.339629021	3.855342187
6882	LAPTM4B	2	1	4.54750165	0.244916029
6883	MATN2	14	1	-0.808218035	3.094288625
6884	RPL30	3	1	2.241454449	5.625564374
6885	ERICH5	12	1	-2.354498538	-2.494011365
6886	RIDA	6	1	-0.254809561	-3.007814847
6887	POP1	7	1	2.39152607	-2.375394307
6888	NIPAL2	12	1	-2.432219896	-2.204894029
6889	STK3	11	1	0.628212538	-0.245780729
6890	KCNS2	6	1	-1.680448803	-3.549856149
6891	AP003355.2	6	1	-1.502453837	-3.407219611
6892	OSR2	8	1	0.862791267	0.551863409
6893	AC104986.2	1	1	-2.464663419	2.02373115
6894	VPS13B	9	1	-1.176562104	-0.349285864
6895	COX6C	3	1	2.476481524	5.024245538
6896	RGS22	15	1	-4.724248323	-1.453262888
6897	FBXO43	10	1	3.562733021	-3.782181941
6898	POLR2K	2	1	4.078305808	-0.461981796
6899	SPAG1	5	1	0.79588404	-2.932932817
6900	RNF19A	8	1	1.422112194	0.940799035
6901	ANKRD46	4	1	-1.211700711	-1.017619215
6902	PABPC1	3	1	1.444380131	4.906609811
6903	YWHAZ	3	1	2.274056759	3.756622113
6904	AP003469.4	1	1	-1.849111113	2.722110308
6905	ZNF706	16	1	3.808545437	3.300179042
6906	AP001330.5	12	1	-1.996971044	-1.991422378
6907	NCALD	12	1	-2.102537069	-2.091506921
6908	RRM2B	9	1	-0.691181037	0.268432304
6909	UBR5-AS1	4	1	-1.257664117	-0.674806081
6910	UBR5	11	1	1.585635033	1.023762978
6911	AP002907.1	8	1	0.116450217	1.569968618
6912	KLF10	8	1	-0.098716411	1.878634371
6913	GASAL1	6	1	-0.953394684	-3.366673909
6914	AZIN1	8	1	0.962996271	1.767152585
6915	AZIN1-AS1	13	1	-2.991300735	0.001934804
6916	ATP6V1C1	4	1	-0.245280239	-0.939561568
6917	BAALC	1	1	-2.212645921	2.698139705
6918	BAALC-AS1	18	1	-2.757538709	1.808808483
6919	FZD6	8	1	0.805191424	1.511784114
6920	CTHRC1	3	1	1.222721782	4.945292748
6921	SLC25A32	11	1	1.675032821	-0.016849362

6922	DCAF13	2	1	4.347314444	-0.800513469
6923	RIMS2	15	1	-4.491267595	-1.250514589
6924	DPYS	17	1	-4.859304342	3.177885093
6925	LRP12	8	1	0.456394491	2.11560253
6926	ZFPM2	5	1	0.229180869	-2.196969472
6927	AC027031.2	6	1	-2.423440132	-3.433878623
6928	OXR1	8	1	-0.217096391	1.89712993
6929	ANGPT1	18	1	-3.842682991	1.31030748
6930	RSPO2	15	1	-4.859049711	-1.03101667
6931	EIF3E	3	1	1.686010924	5.260123051
6932	EMC2	2	1	3.445742455	1.447657265
6933	TMEM74	5	1	0.791908231	-3.567833148
6934	NUDCD1	7	1	3.089122382	-1.036512576
6935	ENY2	16	1	3.463954297	4.147394933
6936	EBAG9	2	1	3.350403157	-0.31659355
6937	SYBU	15	1	-4.268852624	-0.908705197
6938	TRPS1	13	1	-2.504118118	0.719459332
6939	LINC00536	17	1	-4.362173471	2.965407409
6940	EIF3H	3	1	1.814644065	5.374078072
6941	UTP23	2	1	3.685356942	-0.730228745
6942	RAD21	16	1	2.691579428	3.312018193
6943	AARD	15	1	-4.131558809	-1.486625396
6944	MED30	10	1	3.266415206	-3.143983804
6945	EXT1	3	1	2.300920811	2.93041829
6946	SAMD12	4	1	-0.031508911	-1.011964642
6947	AC023590.1	4	1	-0.010152775	-0.842775189
6948	TNFRSF11F	8	1	0.711815324	0.586577467
6949	COLEC10	8	1	0.759231713	0.770801373
6950	MAL2	17	1	-3.86331645	2.722663678
6951	NOV	6	1	-0.992987308	-3.657516681
6952	ENPP2	18	1	-3.300008211	1.680928744
6953	TAF2	11	1	1.717072454	-0.300880574
6954	DSCC1	10	1	2.532947627	-4.035518848
6955	DEPTOR	18	1	-3.420549545	0.697178311
6956	AC091563.1	13	1	-3.409614238	0.362945556
6957	COL14A1	15	1	-4.703936014	-0.598025404
6958	MRPL13	2	1	4.53747758	-0.549258255
6959	MTBP	10	1	2.883291331	-3.764154159
6960	SNTB1	15	1	-4.304888639	-0.010236584
6961	HAS2	11	1	1.414745775	-0.099338196
6962	HAS2-AS1	1	1	-2.126522216	2.834566392
6963	AC037486.1	8	1	0.566965666	0.017466582
6964	ZHX2	9	1	-1.778841052	-0.19269272

6965	DERL1	14	1	-0.548663589	3.49638132
6966	TBC1D31	10	1	3.534156886	-3.176087581
6967	C8orf76	7	1	2.645041075	-0.932695471
6968	HX1-C8orf	11	1	0.695243207	-1.4086053
6969	ZHX1	11	1	2.235005942	-0.252306603
6970	ATAD2	10	1	2.767872897	-3.941583835
6971	WDYHV1	11	1	2.450707045	0.217797346
6972	FBXO32	17	1	-3.19709793	2.879922427
6973	FAM91A1	9	1	0.391543117	-0.349387311
6974	AC090921.1	17	1	-4.760192308	3.258636512
6975	TMEM65	1	1	-0.908350381	1.877498902
6976	TRMT12	5	1	-0.065647024	-2.696080409
6977	RNF139	4	1	-0.4694576	-0.78289672
6978	TATDN1	2	1	3.63629159	0.034267612
6979	NDUFB9	16	1	3.737808314	4.012371339
6980	MTSS1	8	1	0.372709659	0.931660332
6981	SQLE	14	1	-1.192598972	2.973147906
6982	WASHC5	6	1	-0.585869405	-2.556354247
6983	NSMCE2	7	1	2.787063208	-1.02094885
6984	TRIB1	1	1	-1.635073575	1.127591289
6985	FAM84B	15	1	-3.508381042	-1.685512267
6986	PCAT1	12	1	-3.354482803	-1.8653607
6987	PRNCR1	9	1	-0.39225823	-0.598523699
6988	CASC8	12	1	-2.722513351	-2.094221793
6989	MYC	8	1	1.31323978	1.732589163
6990	PVT1	4	1	-1.363561305	-0.847601496
6991	FAM49B	2	1	3.583265152	-0.437638246
6992	ASAP1	3	1	1.583630648	3.412395037
6993	EFR3A	8	1	0.887444106	1.477135218
6994	KCNQ3	18	1	-3.351876649	0.646786816
6995	LRRC6	15	1	-4.416506204	-1.170368634
6996	TMEM71	10	1	4.289271441	-3.10228511
6997	PHF20L1	11	1	2.662278023	-0.401535057
6998	WISP1	1	1	-2.787629756	2.431819238
6999	NDRG1	1	1	-2.190165433	3.037462987
7000	ST3GAL1	14	1	-0.700396988	3.052563943
7001	AC103706.1	1	1	-1.157662425	1.846072353
7002	AC110741.1	17	1	-3.499889287	2.550069608
7003	ZFAT	4	1	-1.113285217	-1.708755456
7004	KHDRBS3	8	1	0.779519287	1.031801916
7005	AC046195.1	4	1	-1.970116767	-1.133835517
7006	TRAPPC9	4	1	-1.146179351	-1.029869758
7007	CHRA1	7	1	1.944879618	-1.052997433

7008	AGO2	11	1	1.824199286	0.320304546
7009	ERICD	6	1	-1.717797074	-3.335863792
7010	PTK2	14	1	4.92E-05	2.335987009
7011	DENND3	8	1	0.155349222	0.922198392
7012	AC040970.1	13	1	-3.305730018	0.178048648
7013	SLC45A4	4	1	-0.884637091	-0.974761926
7014	LINC01300	15	1	-3.698633823	-1.534485065
7015	PTP4A3	1	1	-2.614708814	0.937376536
7016	JRK	5	1	0.684493509	-1.858286344
7017	LY6K	7	1	2.235786763	-2.44620844
7018	THEM6	10	1	1.965878811	-3.427850925
7019	LYNX1	13	1	-3.623191032	-0.467723571
7020	LY6E-DT	18	1	-3.141006383	1.174805201
7021	LY6E	3	1	1.791955438	5.15177802
7022	ZFP41	6	1	-1.186354193	-1.81858965
7023	GLI4	13	1	-3.098248395	-0.740139209
7024	MINCR	18	1	-3.05218235	1.16256807
7025	ZNF696	5	1	1.506427494	-1.519621216
7026	AC138696.2	6	1	-1.919096026	-2.820000611
7027	TOP1MT	6	1	-0.375204626	-3.206586562
7028	ZC3H3	4	1	-0.389352593	-1.715354167
7029	GSDMD	2	1	4.354556647	0.024554051
7030	MROH6	18	1	-2.940372142	1.48311726
7031	NAPRT	6	1	-0.263881508	-3.240247213
7032	EEF1D	3	1	2.445543137	5.475742616
7033	TIGD5	5	1	0.153588881	-2.539922677
7034	PYCR3	5	1	1.172293869	-3.158488952
7035	TSTA3	2	1	4.426775065	0.724588193
7036	ZNF623	9	1	-0.733072969	0.17827066
7037	ZNF707	5	1	-0.249412063	-2.436397992
7038	FAM83H	13	1	-2.088840875	-0.416205906
7039	SCRIB	5	1	0.787767973	-2.222758971
7040	PUF60	2	1	4.620975581	-0.234405063
7041	NRBP2	4	1	-1.732667121	-1.273796998
7042	EPPK1	12	1	-2.169227991	-1.673468553
7043	PLEC	11	1	1.832197156	-0.110866092
7044	PARP10	9	1	-1.731816205	-0.068478577
7045	GRINA	14	1	-1.073985252	3.779930867
7046	OPLAH	13	1	-2.807645711	-0.899739705
7047	AC109322.1	12	1	-3.094161901	-1.528589331
7048	EXOSC4	2	1	4.359696951	0.071262277
7049	GPAA1	2	1	4.274686423	1.615546264
7050	CYC1	16	1	3.485485163	3.67527584

7051	SHARPIN	2	1	4.001099196	0.949033238
7052	MAF1	3	1	1.818096724	5.386046685
7053	HGH1	7	1	2.230993119	-2.459378682
7054	MROH1	9	1	-1.179533753	0.509274132
7055	BOP1	7	1	4.172432986	-1.052215778
7056	SCX	13	1	-3.297622356	0.064856924
7057	HSF1	2	1	3.93107709	0.495139815
7058	DGAT1	13	1	-2.475234899	-0.820690952
7059	SLC52A2	2	1	4.032362071	0.433957856
7060	FBXL6	5	1	1.309819069	-3.136406146
7061	ADCK5	5	1	0.972127286	-3.244171582
7062	CPSF1	5	1	1.169405308	-2.480265819
7063	SLC39A4	2	1	3.591964808	0.665607877
7064	VPS28	16	1	3.480323401	4.425217904
7065	TONSL	10	1	2.486865845	-3.835630618
7066	CYHR1	13	1	-3.707823905	-0.456252299
7067	KIFC2	4	1	-1.432723436	-0.707802259
7068	PPP1R16A	13	1	-2.792813692	0.220842548
7069	MFSD3	6	1	-1.49436346	-1.94527217
7070	RECQL4	10	1	2.907632199	-3.838299476
7071	LRRC14	5	1	0.139362205	-2.305043899
7072	LRRC24	12	1	-3.108671579	-1.521184527
7073	C8orf82	2	1	3.953464833	0.517679579
7074	ARHGAP39	6	1	-0.368170086	-2.857235871
7075	ZNF251	1	1	-1.708488855	0.763150431
7076	ZNF34	12	1	-3.028994712	-2.766281806
7077	RPL8	3	1	2.436016169	5.522875584
7078	ZNF7	9	1	-1.199426326	0.563756503
7079	COMMD5	2	1	3.832501498	0.046351351
7080	ZNF250	9	1	0.060170372	-0.12909516
7081	ZNF16	6	1	-0.729940805	-2.123258077
7082	C8orf33	3	1	1.422219601	2.52998928
7083	WASHC1	4	1	-0.272948328	-1.611482941
7084	CBWD1	4	1	0.530650106	-1.741264068
7085	KANK1	4	1	-0.700050983	-0.528575503
7086	SMARCA2	11	1	1.73471519	0.754577644
7087	VLDLR-AS1	3	1	1.16406211	2.372952856
7088	VLDLR	8	1	0.531923559	1.930710949
7089	PUM3	7	1	4.075178233	-1.031535231
7090	RFX3	9	1	-0.599891993	0.75942821
7091	GLIS3	17	1	-3.771136436	2.900913991
7092	SLC1A1	1	1	-1.91570476	1.252871491
7093	SPATA6L	13	1	-2.063880357	0.152049415

7094	PLPP6	9	1	-1.283266816	-0.192199789
7095	CDC37L1	12	1	-2.394277009	-1.878019534
7096	AK3	14	1	-0.233033779	2.435028828
7097	RCL1	7	1	2.166905728	-2.095999442
7098	JAK2	4	1	-0.563309047	-1.065486752
7099	RLN2	5	1	0.617872444	-1.566031777
7100	PLGRKT	7	1	3.604432431	-0.912690245
7101	CD274	8	1	0.87731531	1.02600155
7102	PDCD1LG2	8	1	0.455545899	0.841358073
7103	RIC1	1	1	-1.335511121	1.026609637
7104	ERMP1	1	1	-1.816622529	1.317185022
7105	KIAA2026	8	1	0.142416742	0.903590895
7106	RANBP6	5	1	1.209678736	-2.176194154
7107	IL33	17	1	-2.835093889	2.906084336
7108	UHRF2	8	1	0.480209109	1.427807249
7109	GLDC	6	1	-0.343311641	-3.051145517
7110	KDM4C	1	1	-1.703274521	0.57120765
7111	DMAC1	2	1	4.311075297	1.233569063
7112	PTPRD	13	1	-2.280677947	-0.806046806
7113	TYRP1	18	1	-3.445235404	1.897726573
7114	LURAP1L	3	1	1.022129562	2.593884028
7115	MPDZ	8	1	1.184326854	1.294507421
7116	NFIB	8	1	0.777254787	0.296724818
7117	ZDHHC21	8	1	0.219024759	1.705192841
7118	TTC39B	8	1	-0.066092137	1.539578356
7119	SNAPC3	14	1	-0.368094745	3.089453496
7120	PSIP1	7	1	3.972951737	-1.809464894
7121	CCDC171	6	1	-0.93732259	-3.202707254
7122	BNC2	14	1	-0.064709786	2.181609668
7123	BNC2-AS1	6	1	-2.264461669	-3.097433292
7124	CNTLN	10	1	2.560554352	-3.332989894
7125	ADAMTSL1	8	1	-0.014772772	1.332375742
7126	RRAGA	2	1	3.902009335	1.298366345
7127	HAUS6	10	1	3.083582011	-3.318015538
7128	PLIN2	15	1	-3.982330236	0.274744652
7129	DENND4C	9	1	-0.767941269	0.026335336
7130	RPS6	3	1	1.846398082	5.390006341
7131	MLLT3	1	1	-0.969455752	0.986447014
7132	FOCAD	9	1	-0.68249062	-0.406868838
7133	HACD4	18	1	-3.063174161	1.436928905
7134	KLHL9	9	1	-0.308699313	0.282149143
7135	AL353732.1	17	1	-4.8585538	3.278867759
7136	IFNE	1	1	-1.087551507	1.604106344

7137	MTAP	7	1	2.949447003	-0.751335107
7138	CDKN2A	12	1	-3.198881301	-1.48684939
7139	DKN2B-AS	15	1	-3.774249467	-1.564061962
7140	CDKN2B	15	1	-3.832885894	-1.28576275
7141	AL157937.1	17	1	-2.831759843	2.931014336
7142	DMRTA1	12	1	-3.450791988	-2.314454757
7143	LINC01239	15	1	-3.842991027	-1.669346296
7144	TUSC1	2	1	3.117402401	-0.499790095
7145	CAAP1	6	1	-0.193374622	-3.117684089
7146	PLAA	11	1	1.005657163	-1.295031272
7147	IFT74	6	1	-0.098541755	-3.346195899
7148	TEK	13	1	-2.271431598	-0.503993474
7149	MOB3B	8	1	0.666309264	0.265669837
7150	C9orf72	8	1	0.304321226	0.069914885
7151	LINGO2	13	1	-2.70222536	-0.741158806
7152	ACO1	14	1	-0.189338747	3.180642165
7153	DDX58	8	1	0.569150892	0.268300853
7154	TOPORS	7	1	2.180927125	-0.703549586
7155	SMIM27	18	1	-2.92079297	1.772096433
7156	NDUFB6	16	1	4.02469596	3.061056889
7157	APTX	7	1	3.224177208	-1.194672786
7158	DNAJA1	16	1	3.39968833	3.23857025
7159	SMU1	2	1	3.724457827	-0.7077237
7160	B4GALT1	14	1	-0.245378229	3.398268021
7161	4GALT1-AS	12	1	-2.929821643	-2.300045692
7162	SPINK4	17	1	-3.150751028	2.79331211
7163	BAG1	6	1	-2.079901847	-3.591616355
7164	CHMP5	3	1	1.416402307	4.60712365
7165	NFX1	5	1	1.299770442	-1.812395536
7166	AQP3	15	1	-4.29988471	-1.500163876
7167	NOL6	5	1	0.341869739	-2.713931523
7168	ANKRD18F	6	1	-0.809373888	-3.613363229
7169	AL356489.3	12	1	-2.645185384	-2.828063451
7170	PRSS3	7	1	2.228855458	-2.375389539
7171	UBE2R2	3	1	1.424751368	4.720400609
7172	UBAP2	7	1	2.88339099	-1.220642291
7173	DCAF12	4	1	-0.352426413	-0.70739051
7174	UBAP1	1	1	-0.578967723	1.70673231
7175	KIF24	10	1	3.478910056	-3.787844382
7176	NUDT2	2	1	4.125496474	0.793802507
7177	MYORG	12	1	-2.298707637	-1.61215087
7178	FAM219A	1	1	-1.244995985	1.233094193
7179	RPP25L	6	1	-0.328315678	-3.208991729

7180	DCTN3	16	1	3.98007783	3.820792474
7181	SIGMAR1	2	1	4.225458708	-0.523650609
7182	GALT	13	1	-2.20552555	0.105992742
7183	IL11RA	15	1	-3.497060451	-1.10912057
7184	AL162231.1	1	1	-2.820758256	1.087592043
7185	AL162231.2	1	1	-2.249152812	2.586665906
7186	DNAJB5	1	1	-2.178331289	1.136159993
7187	VCP	16	1	3.622970667	2.885799922
7188	FANCG	10	1	3.300914612	-3.561375343
7189	PIGO	4	1	-0.214269015	-1.535022937
7190	STOML2	16	1	3.871733275	3.324343718
7191	FAM214B	13	1	-2.016405735	-0.539274477
7192	UNC13B	4	1	-0.613516781	-1.504758798
7193	RUSC2	8	1	-0.18778992	1.752862729
7194	TESK1	13	1	-2.170476112	-0.651870094
7195	CD72	13	1	-3.279162797	-0.012177877
7196	RMRP	6	1	-0.084100235	-3.12393447
7197	CCDC107	1	1	-1.674251708	2.73948244
7198	ARHGEF39	10	1	4.154864398	-3.388221227
7199	CA9	1	1	-2.120761785	3.238055266
7200	TPM2	3	1	2.16425952	4.822395123
7201	TLN1	3	1	1.799325552	4.229365147
7202	CREB3	2	1	3.900703755	0.900899924
7203	GBA2	9	1	-0.933335218	-0.445426546
7204	RGP1	9	1	-1.010831866	-0.312392496
7205	AL133410.1	8	1	0.592701998	0.661750413
7206	NPR2	13	1	-1.915917191	0.117754288
7207	HINT2	2	1	4.611563769	0.419376597
7208	TMEM8B	1	1	-2.114763412	1.242468036
7209	HRCT1	12	1	-2.20209423	-2.325501166
7210	SPAAR	12	1	-2.471098814	-2.44278618
7211	RECK	1	1	-0.864056501	2.22820095
7212	GLIPR2	12	1	-2.183785829	-1.942646705
7213	CCIN	12	1	-1.660334858	-2.12006589
7214	CLTA	16	1	3.670611945	4.210075177
7215	GNE	1	1	-1.339021	1.757294453
7216	RNF38	9	1	-0.605800304	-0.234453939
7217	MELK	10	1	3.612775651	-3.828981601
7218	EBLN3P	14	1	-0.766011211	3.200579919
7219	ZCCHC7	14	1	-1.238514575	3.230064668
7220	GRHPR	16	1	3.520304766	4.391764916
7221	ZBTB5	9	1	-0.768451068	-0.236070596
7222	POLR1E	7	1	3.620391455	-1.823400699

7223	FBXO10	12	1	-2.003891859	-1.842873775
7224	TOMM5	2	1	4.234396067	1.227280415
7225	FRMPD1	12	1	-2.425853166	-1.946220122
7226	TRMT10B	4	1	-0.182552564	-1.557520353
7227	EXOSC3	7	1	3.897741643	-1.581811153
7228	DCAF10	14	1	-0.679951522	2.594135798
7229	SLC25A51	4	1	-1.515811357	-1.529173099
7230	SHB	1	1	-1.026402387	2.350230731
7231	ALDH1B1	1	1	-0.510465834	2.019404568
7232	ANKRD18A	6	1	-1.075183663	-3.672880374
7233	FAM201A	6	1	-1.336886916	-3.472259246
7234	CNTNAP3	6	1	-1.630300793	-2.98379203
7235	GLIDR	15	1	-3.457942876	-1.723664962
7236	FAM95B1	6	1	-1.432128224	-3.606472694
7237	AL353626.1	8	1	0.958167222	0.453748256
7238	BX255923.1	8	1	0.686317649	-0.058272712
7239	CBWD6	6	1	-0.325104776	-2.814555131
7240	CNTNAP3B	5	1	0.041923137	-2.213612043
7241	FAM27C	6	1	-1.228012237	-3.522653781
7242	AL512625.3	11	1	0.753271487	-0.177364014
7243	AL512625.1	12	1	-2.035161886	-2.034221612
7244	CBWD5	4	1	0.190113363	-1.028706394
7245	ZNF658	15	1	-3.689987096	-2.055204116
7246	CBWD3	9	1	0.035205257	-0.610674404
7247	PGM5	8	1	0.371802744	1.016936458
7248	AL161457.2	1	1	-2.420825633	1.152455725
7249	FAM122A	6	1	-0.618139598	-3.148940765
7250	FXN	5	1	1.659773436	-2.874062978
7251	AL358113.1	1	1	-1.564596209	2.218071855
7252	TJP2	5	1	1.586723176	-2.8820078
7253	APBA1	4	1	-0.511152896	-1.925724708
7254	PTAR1	1	1	-0.775402579	1.847934522
7255	C9orf135	18	1	-3.957235965	1.61228434
7256	MAMDC2	9	1	-0.090868536	0.472315982
7257	SMC5-AS1	15	1	-3.690709505	-1.398765169
7258	SMC5	11	1	2.288496104	0.142842479
7259	KLF9	15	1	-4.075108442	0.680759109
7260	CEMIP2	8	1	0.785951939	1.792967357
7261	ABHD17B	1	1	-1.023009333	1.426245369
7262	C9orf85	14	1	-1.296656641	3.542166032
7263	LINC01504	12	1	-2.075047883	-2.696397983
7264	ZFAND5	8	1	0.415262636	2.179639138
7265	TMC1	15	1	-3.672916803	-1.710036241

7266	ALDH1A1	1	1	-0.640856835	2.249321617
7267	ANXA1	3	1	2.887357321	4.322764911
7268	C9orf40	10	1	3.158555356	-3.546853505
7269	CARNMT1	4	1	0.192044255	-1.458281599
7270	NMRK1	18	1	-2.962658081	1.111190416
7271	OSTF1	2	1	3.455657568	-0.197420143
7272	PCSK5	18	1	-3.178573045	0.715106942
7273	RFK	11	1	2.753083792	-0.272104882
7274	GCNT1	1	1	-2.223550233	2.189707435
7275	PRUNE2	8	1	0.101393868	1.368605532
7276	VPS13A	8	1	1.027215925	1.417913951
7277	GNA14	12	1	-2.513587388	-1.251292311
7278	GNAQ	8	1	0.810698476	1.306750156
7279	CEP78	10	1	3.133006659	-3.303784572
7280	PSAT1	3	1	1.52645525	2.743656195
7281	TLE4	18	1	-3.014824066	2.05984775
7282	TLE1	6	1	-1.685329947	-2.97264906
7283	RASEF	5	1	1.186804262	-3.087137424
7284	FRMD3	6	1	-2.270061407	-3.200126611
7285	IDNK	6	1	-1.612293038	-3.30228921
7286	UBQLN1	8	1	1.240962949	1.683342851
7287	AL354920.1	6	1	-2.713068637	-3.161740266
7288	GKAP1	8	1	0.848060575	0.204899825
7289	KIF27	4	1	-1.700246009	-0.475676201
7290	C9orf64	11	1	0.347513106	-0.62805029
7291	HNRNPK	16	1	2.925060597	3.408240594
7292	AL354733.3	1	1	-1.353541526	2.569931783
7293	RMI1	10	1	2.562218276	-3.808515273
7294	SLC28A3	8	1	0.890931931	0.632212467
7295	AGTPBP1	4	1	-0.187328982	-2.135431968
7296	NAA35	11	1	1.274994221	-0.789230429
7297	GOLM1	3	1	1.652631965	2.179331697
7298	ISCA1	2	1	3.36073741	0.974239446
7299	TUT7	14	1	-0.4914327	2.720423497
7300	GAS1	17	1	-3.458169136	2.368033923
7301	GAS1RR	15	1	-4.326580915	0.198016234
7302	C9orf170	15	1	-3.846954975	-1.5534366
7303	DAPK1	15	1	-3.588242683	-2.272595369
7304	CTSL	17	1	-3.352764759	2.664538182
7305	CDK20	6	1	-1.297919902	-2.883926116
7306	SPIN1	11	1	2.284733382	0.225799925
7307	S1PR3	18	1	-3.880230102	1.642320551
7308	SHC3	6	1	-1.64305881	-3.064800225

7309	CKS2	10	1	4.451138583	-3.251717769
7310	SECISBP2	7	1	2.786124316	-0.807978116
7311	GADD45G	15	1	-3.957331809	-1.68586155
7312	LINC01508	15	1	-4.431446943	-1.144868814
7313	LINC01501	12	1	-3.293534908	-1.519406639
7314	DIRAS2	15	1	-4.902665529	-1.103067599
7315	SYK	19	2	-7.427316102	0.268931486
7316	LINC00484	6	1	-0.017007563	-3.632886134
7317	AUH	1	1	-2.534967336	2.230384268
7318	NFIL3	15	1	-4.12830964	0.514141537
7319	ROR2	18	1	-3.5478901	1.639652885
7320	SPTLC1	11	1	1.684547987	0.894643523
7321	IARS	3	1	1.666344371	2.787780799
7322	NOL8	7	1	3.22384533	-0.985505067
7323	CENPP	10	1	3.257437315	-3.631563865
7324	OGN	15	1	-4.879713926	-1.052822672
7325	ASPN	15	1	-4.236339483	-1.817723237
7326	ECM2	13	1	-3.121218595	-0.962517821
7327	IPPK	4	1	-0.275117192	-1.450685226
7328	BICD2	7	1	1.843108502	-0.277677797
7329	ZNF484	9	1	-1.051319274	-0.235866033
7330	SUSD3	1	1	-1.323150668	1.538803495
7331	CARD19	2	1	4.105753031	0.482492059
7332	NINJ1	8	1	0.641418305	1.263093807
7333	FAM120AO	6	1	-1.33056775	-3.171529733
7334	FAM120A	8	1	1.307556596	1.575044431
7335	PHF2	9	1	0.092272342	-0.446603082
7336	PTPDC1	9	1	0.124965523	-0.373561107
7337	AL158152.2	13	1	-3.491105232	-0.050185137
7338	AL158152.1	6	1	-0.733664247	-2.298656427
7339	ZNF169	1	1	-1.016290101	0.985118426
7340	AL691447.2	15	1	-3.427175912	-1.614623867
7341	MFSD14B	5	1	1.00755724	-1.80291196
7342	C9orf3	13	1	-1.940249357	-0.19965633
7343	FANCC	5	1	2.10962328	-3.093136274
7344	PTCH1	1	1	-2.57664195	1.412829675
7345	AL161729.1	15	1	-3.517019662	-1.896950685
7346	LINC00476	6	1	-2.207945737	-3.722101413
7347	ERCC6L2	4	1	0.042967876	-1.786578857
7348	SLC35D2	11	1	1.93104836	1.069994904
7349	ZNF367	10	1	2.491010275	-4.121397697
7350	HABP4	11	1	1.270143357	-0.217538439
7351	CDC14B	4	1	-0.903833482	-0.971237622

7352	AAED1	5	1	0.562019315	-2.81150695
7353	ZNF510	4	1	-0.165392044	-1.211490594
7354	ZNF782	4	1	-0.09080005	-1.474719845
7355	MFSD14C	11	1	0.714244035	-0.436869107
7356	CTSV	10	1	2.95340499	-3.363962375
7357	AL590705.1	12	1	-2.64126626	-2.330659114
7358	CCDC180	4	1	-1.438808712	-1.46090015
7359	TDRD7	4	1	0.270466563	-1.833435022
7360	TSTD2	4	1	-0.997992787	-1.473521672
7361	NCBP1	7	1	1.898741332	-2.051518403
7362	XPA	2	1	4.261471358	-0.312716328
7363	FOXE1	8	1	0.76499578	0.479807809
7364	TRMO	6	1	-0.472069833	-2.95194336
7365	ANP32B	16	1	2.859296408	3.701245345
7366	NANS	16	1	3.957080451	3.348548926
7367	TRIM14	5	1	1.838571754	-1.932662212
7368	CORO2A	4	1	0.422600505	-1.719587051
7369	TBC1D2	5	1	0.641636875	-1.790740453
7370	GABBR2	11	1	1.412512031	-0.272831761
7371	ANKS6	5	1	1.765392032	-2.322621785
7372	GALNT12	9	1	0.201354143	0.021739878
7373	COL15A1	1	1	-2.525177392	1.114811636
7374	TGFBR1	1	1	-0.32732949	1.498205937
7375	ALG2	11	1	2.180612412	0.790243454
7376	SEC61B	3	1	3.175134268	4.851114072
7377	NR4A3	17	1	-4.465763006	2.945040263
7378	STX17	6	1	-0.425486657	-2.867380582
7379	ERP44	14	1	-0.650039169	3.687043465
7380	INVS	4	1	-0.088640842	-1.76587721
7381	TEX10	5	1	1.282794204	-1.619490825
7382	MSANTD3	11	1	1.863753167	0.182020835
7383	CAVIN4	17	1	-4.668429765	2.84991268
7384	BAAT	17	1	-5.046416196	3.321738757
7385	MRPL50	2	1	3.757701006	-0.421069645
7386	ZNF189	4	1	-0.923676762	-0.86257013
7387	RNF20	7	1	2.14923009	-1.027981721
7388	SMC2	10	1	3.710980263	-3.089137517
7389	NIPSNAP3A	5	1	0.132197601	-2.725783549
7390	ABCA1	14	1	-0.485148403	3.386995114
7391	SLC44A1	14	1	-0.686932239	2.485800542
7392	FSD1L	11	1	0.79985359	-0.758812748
7393	FKTN	9	1	-0.400307748	-0.233325206
7394	TMEM38B	5	1	1.295338479	-1.275847756

7395	ZNF462	4	1	-0.008899047	-1.377178513
7396	RAD23B	3	1	2.218537894	2.705659665
7397	KLF4	6	1	-2.678163204	-3.29589244
7398	ELP1	5	1	0.618392435	-2.090058051
7399	FAM206A	4	1	-0.480738315	-0.906867705
7400	CTNNAL1	16	1	2.742299643	3.498622216
7401	TMEM245	8	1	-0.172885361	1.952359952
7402	PTPN3	6	1	-1.902906332	-2.470129214
7403	PALM2	9	1	-0.561207149	0.669086732
7404	AKAP2	9	1	-0.246006373	0.839425422
7405	C9orf152	17	1	-4.840978536	3.22942356
7406	TXN	3	1	3.203508225	4.52259282
7407	SVEP1	15	1	-4.193102273	-1.701358281
7408	AL592463.1	12	1	-2.715654525	-2.080842696
7409	MUSK	8	1	0.497159776	0.08440832
7410	LPAR1	15	1	-4.432020101	-0.024490349
7411	OR2K2	17	1	-4.796556386	3.282245673
7412	ECPAS	11	1	1.976404157	0.286710754
7413	PTGR1	2	1	3.682273474	1.747478641
7414	DNAJC25	1	1	-0.730738434	1.844974078
7415	AJC25-GN	6	1	-2.558965597	-3.457281791
7416	GNG10	6	1	-1.225964937	-3.287992679
7417	UGCG	3	1	1.527090397	3.357326783
7418	SUSD1	1	1	-2.107343111	0.720488526
7419	PTBP3	14	1	-0.208400685	2.691761292
7420	HSDL2	2	1	3.291223374	-0.394681059
7421	KIAA1958	11	1	1.040678587	-0.683630072
7422	INIP	5	1	2.102596131	-3.17250105
7423	SNX30	13	1	-2.692295227	-0.904887639
7424	ZNF883	13	1	-3.289984378	-0.200262867
7425	ZFP37	18	1	-3.323810491	1.605208315
7426	SLC31A2	4	1	-1.053271923	-1.575639211
7427	FKBP15	5	1	0.475128111	-2.157714807
7428	SLC31A1	8	1	0.6196731	2.166793026
7429	CDC26	2	1	3.615799037	1.229662813
7430	PRPF4	7	1	3.062786427	-2.637498342
7431	HDHD3	6	1	-1.229620013	-2.225555383
7432	ALAD	6	1	-1.413134489	-2.6317124
7433	POLE3	7	1	3.193590251	-2.773277961
7434	RGS3	11	1	1.41217443	-0.193604432
7435	ZNF618	11	1	1.199776497	-0.485205971
7436	COL27A1	1	1	-1.339622411	1.019825317
7437	AKNA	3	1	1.088124481	2.340647615

7438	WHRN	15	1	-3.4816784	-1.02079209
7439	ATP6V1G1	3	1	3.055189219	5.014870919
7440	TMEM268	13	1	-2.554800424	-0.110051476
7441	TNC	8	1	0.494341341	1.072530784
7442	1-Dec	12	1	-2.639956865	-1.934746467
7443	AL691420.1	11	1	0.787480619	-1.310617171
7444	PAPPA	1	1	-2.56446949	1.549622454
7445	ASTN2	12	1	-3.083121929	-1.323752605
7446	TRIM32	4	1	-1.213101778	-1.287146889
7447	TLR4	19	2	-7.115428838	0.270797491
7448	CDK5RAP2	10	1	3.667295542	-2.958708965
7449	MEGF9	4	1	-0.160728741	-1.194982134
7450	FBXW2	7	1	2.46002349	-0.878899418
7451	PSMD5	7	1	1.757557717	-1.322573506
7452	PHF19	10	1	4.120444861	-2.319724284
7453	TRAF1	9	1	-0.091550607	0.393216328
7454	C5	10	1	2.833279934	-3.564938985
7455	CNTRL	10	1	4.214122859	-3.181754314
7456	RAB14	11	1	2.369676199	0.369779813
7457	GSN	13	1	-2.581435594	-0.402355574
7458	GSN-AS1	1	1	-1.230654392	1.893918194
7459	STOM	8	1	0.779785779	0.411851693
7460	DAB2IP	4	1	-0.615567955	-1.355986439
7461	TTLL11	5	1	-0.151602137	-2.404164516
7462	TTLL11-IT1	7	1	1.853038755	-0.951785647
7463	NDUFA8	16	1	4.112781611	3.116945304
7464	RBM18	2	1	3.431979266	0.430556584
7465	MRRF	5	1	1.290073004	-2.859931432
7466	PTGS1	17	1	-2.844524297	2.818448342
7467	PDCL	7	1	2.208155242	-1.132054769
7468	RC3H2	8	1	0.325887468	1.727436818
7469	ZBTB6	9	1	-0.894182417	0.020387895
7470	ZBTB26	4	1	-0.272977504	-0.820844375
7471	RABGAP1	8	1	0.940490928	1.208736755
7472	STRBP	10	1	3.453341332	-2.766565763
7473	DENND1A	9	1	-1.272010836	0.675739445
7474	NEK6	14	1	-0.987481985	3.267847337
7475	PSMB7	16	1	3.682487574	3.534036197
7476	IR181A2H	1	1	-2.2540876	1.567473449
7477	RPL35	3	1	2.377770272	5.190554894
7478	ARPC5L	2	1	4.109027472	-0.666015469
7479	GOLGA1	6	1	-0.446826789	-3.200738631
7480	SCAI	1	1	-1.136701974	1.975493945

7481	PPP6C	11	1	1.629400816	1.012087084
7482	RABEPK	2	1	4.242635336	0.026476837
7483	HSPA5	3	1	1.794106689	4.5445197
7484	GAPVD1	11	1	2.032975998	0.112083114
7485	MAPKAP1	2	1	3.388497677	-0.555387579
7486	PBX3	8	1	0.304334578	1.36931584
7487	MVB12B	6	1	-1.035321269	-2.57112404
7488	ZBTB43	9	1	-0.72231898	0.317697443
7489	ZBTB34	9	1	-1.180930767	0.352724213
7490	RALGPS1	4	1	-1.369609031	-0.710073076
7491	ANGPTL2	15	1	-4.389238748	0.214325301
7492	SLC2A8	6	1	-1.617595825	-2.716917001
7493	RPL12	3	1	2.324090567	5.63598565
7494	LRSAM1	4	1	-0.837874505	-0.843455278
7495	FAM129B	11	1	1.601209012	0.212447218
7496	STXBP1	1	1	-1.091357741	1.540309943
7497	PTRH1	2	1	4.25034627	0.079489417
7498	TOR2A	6	1	0.488926318	-3.406784736
7499	CDK9	11	1	0.379956451	-0.540421806
7500	FPGS	7	1	2.565644351	-1.385315977
7501	ENG	2	1	4.030908671	0.48945789
7502	AK1	6	1	-1.500600252	-2.045623265
7503	TGALNAC	2	1	3.630089369	0.877999432
7504	PIP5KL1	1	1	-2.206520709	1.575196065
7505	DPM2	2	1	4.424051371	-0.335069917
7506	FAM102A	9	1	-1.657296214	0.148306258
7507	NAIF1	4	1	-0.575908873	-1.365210377
7508	SLC25A25	5	1	0.677515295	-2.494297229
7509	LC25A25-AS	9	1	0.180572104	-0.140642546
7510	PTGES2	2	1	4.608617392	0.533511214
7511	C9orf16	3	1	3.19618949	4.986288346
7512	CIZ1	7	1	2.23296341	-1.448135935
7513	DNM1	9	1	-1.171223673	0.238740556
7514	GOLGA2	3	1	0.72756162	4.109678544
7515	SWI5	3	1	2.279630747	4.969167031
7516	TRUB2	2	1	4.285631743	-0.313843094
7517	AL359091.4	1	1	-1.389616403	1.544135012
7518	COQ4	2	1	4.24986991	0.182112627
7519	SLC27A4	6	1	-0.810349438	-3.297129594
7520	URM1	2	1	4.309914675	0.794028498
7521	CERCAM	14	1	-0.610286686	3.797463693
7522	ODF2	10	1	4.200090971	-2.952395402
7523	GLE1	11	1	0.977881876	-1.284422122

7524	AL356481.1	12	1	-3.317457828	-2.224826776
7525	SPTAN1	3	1	2.518794146	2.579975642
7526	WDR34	7	1	3.90476903	-1.756041728
7527	SET	16	1	2.85248312	3.548000134
7528	PKN3	10	1	3.246851054	-3.422862493
7529	ZDHHC12	2	1	4.498035994	0.342036094
7530	AL441992.1	12	1	-2.72242752	-1.467751228
7531	ZER1	1	1	-1.943203005	0.962174512
7532	TBC1D13	4	1	-1.031405601	-1.715457402
7533	ENDOG	7	1	3.821477738	-1.763954364
7534	SPOUT1	7	1	2.090271559	-2.428349696
7535	KYAT1	11	1	0.515284416	-0.258371435
7536	LRRC8A	11	1	1.482679215	-0.451492988
7537	PHYHD1	6	1	-2.54847804	-3.357805215
7538	DOLK	6	1	-0.303207192	-3.25707265
7539	NUP188	7	1	2.63253316	-2.410514795
7540	SH3GLB2	2	1	4.149381247	-0.260283612
7541	MIGA2	4	1	-0.719008717	-1.496614062
7542	DOLPP1	5	1	0.847744313	-2.687936507
7543	CRAT	1	1	-0.854364666	2.159308947
7544	PTPA	7	1	1.859669772	-0.536487006
7545	IER5L	14	1	-1.104648385	3.47298745
7546	AL158151.1	1	1	-1.666152153	2.711193122
7547	LINC01503	15	1	-3.900405082	0.371816943
7548	NTMT1	16	1	3.604822484	3.015183486
7549	ASB6	5	1	0.215234932	-2.566722594
7550	PRRX2	6	1	-2.758654031	-3.368219815
7551	PTGES	17	1	-2.954115066	2.772254027
7552	TOR1B	4	1	-0.201696816	-1.945363723
7553	TOR1A	2	1	4.255540457	0.046699621
7554	C9orf78	2	1	3.779762831	-0.754601918
7555	USP20	1	1	-1.42295495	0.879254378
7556	FNBP1	11	1	1.635039893	0.952328242
7557	GPR107	1	1	-1.035235557	1.684601344
7558	NCS1	7	1	3.656147328	-1.221970163
7559	ASS1	18	1	-3.362295303	1.515492238
7560	FUBP3	11	1	1.930546966	-0.156706594
7561	EXOSC2	7	1	2.981124726	-2.511178695
7562	ABL1	1	1	-0.693102869	2.136814512
7563	FIBCD1	1	1	-2.091588411	0.838354952
7564	NUP214	7	1	2.255537835	-1.991612636
7565	AL157938.3	1	1	-2.195948038	2.238849915
7566	FAM78A	13	1	-2.924576673	-0.301732145

7567	PLPP7	6	1	-1.596661958	-2.277158462
7568	PRRC2B	8	1	1.52850565	1.164097048
7569	POMT1	4	1	-0.736610684	-0.870598398
7570	UCK1	5	1	1.733265486	-2.742263995
7571	RAPGEF1	4	1	0.02518786	-1.79861518
7572	MED27	2	1	4.258560744	-0.531687699
7573	NTNG2	1	1	-2.689806137	1.073038436
7574	SETX	11	1	2.046152916	-0.164871
7575	TTF1	7	1	3.029837456	-2.615402661
7576	DDX31	7	1	1.946616498	-2.030319177
7577	GTF3C4	5	1	0.99996492	-1.799421989
7578	SPACA9	13	1	-3.634969387	-0.149817072
7579	TSC1	9	1	-0.477861616	-0.183792792
7580	GTF3C5	7	1	3.005749789	-2.768248521
7581	RALGDS	9	1	-1.464713964	0.278092146
7582	GBGT1	18	1	-3.747420225	0.891520299
7583	SURF6	7	1	2.924762574	-0.805199348
7584	MED22	5	1	0.284841847	-2.103176795
7585	RPL7A	3	1	2.358419743	5.622309483
7586	SURF1	2	1	3.702287999	1.043494977
7587	SURF2	2	1	4.38943347	0.156392701
7588	SURF4	3	1	1.338874784	3.968948401
7589	REXO4	3	1	1.348210302	2.337004818
7590	ADAMTS13	18	1	-2.91949645	0.860737033
7591	CACFD1	12	1	-2.819162282	-1.17282065
7592	SLC2A6	6	1	-1.402332339	-2.201879941
7593	ADAMTSL2	17	1	-3.356463823	2.610251702
7594	SARDH	12	1	-3.199351463	-1.234074794
7595	VAV2	4	1	0.074986663	-1.050881826
7596	BRD3OS	6	1	-1.578123245	-2.263751947
7597	BRD3	7	1	2.728086558	-0.731971465
7598	WDR5	7	1	2.733711091	-2.528312646
7599	RXRA	11	1	0.777463165	-0.660317861
7600	AL669970.3	12	1	-3.183916721	-1.231816374
7601	COL5A1	3	1	0.709664372	4.703875817
7602	COL5A1-AS	14	1	-0.204629991	2.510571517
7603	PPP1R26	4	1	-0.086796898	-1.081049286
7604	C9orf116	6	1	-1.34978548	-3.304340802
7605	MRPS2	2	1	4.414144602	-0.322258614
7606	LCN1	13	1	-3.490364942	-0.261181377
7607	CAMSAP1	5	1	0.911734906	-1.682934724
7608	UBAC1	2	1	4.277156439	-0.013254039
7609	NACC2	4	1	-1.087575349	-1.297234379

7610	TMEM250	6	1	-0.664368484	-2.55700513
7611	QSOX2	5	1	1.184025255	-1.75186988
7612	GPSM1	5	1	1.261177626	-1.494376622
7613	DNLZ	6	1	-1.363732371	-3.454968177
7614	CARD9	18	1	-3.64126316	1.501481928
7615	SNAPC4	5	1	-0.044400606	-2.593217574
7616	ENTR1	2	1	3.809751359	-0.724373304
7617	PMPCA	7	1	3.392172184	-0.883077584
7618	INPP5E	5	1	1.077021924	-1.540568553
7619	SEC16A	8	1	0.191051838	2.009429969
7620	NOTCH1	11	1	0.809830096	-1.331314646
7621	NALT1	1	1	-1.724458727	1.845083274
7622	EGFL7	12	1	-2.954297456	-1.034294449
7623	AGPAT2	2	1	4.207964983	0.692059733
7624	FAM69B	12	1	-2.107696685	-2.55896803
7625	SNHG7	8	1	0.173773807	2.137466945
7626	TMEM141	2	1	4.325790968	0.969558097
7627	CCDC183	1	1	-2.35480133	2.936049022
7628	RABL6	7	1	3.523051348	-1.311097108
7629	AJM1	1	1	-1.833221588	1.253124393
7630	PHPT1	3	1	3.313809004	4.763835229
7631	EDF1	3	1	3.36269888	4.648685731
7632	TRAF2	10	1	3.138182488	-3.122703038
7633	FBXW5	13	1	-3.040940437	-0.941733323
7634	PTGDS	15	1	-4.442614946	-0.867669665
7635	LCNL1	13	1	-3.146344814	0.360250547
7636	PAXX	2	1	4.610399333	-0.413686715
7637	CLIC3	13	1	-3.419695529	0.308373071
7638	ABCA2	9	1	-1.834861192	0.12482766
7639	NPDC1	12	1	-2.959805641	-1.139438234
7640	SAPCD2	10	1	4.438709822	-3.227211677
7641	UAP1L1	9	1	-1.191842112	0.049294092
7642	MAN1B1-D	12	1	-3.046799097	-2.458214961
7643	MAN1B1	14	1	-0.593953106	3.970272817
7644	DPP7	14	1	-0.360360655	4.233001269
7645	GRIN1	4	1	-1.64952794	-1.621250712
7646	ANAPC2	6	1	-0.381852093	-2.675049506
7647	SSNA1	2	1	4.770903197	1.161068417
7648	TPRN	4	1	-0.579294655	-1.130594693
7649	TMEM203	2	1	4.18113288	0.016292192
7650	NDOR1	10	1	3.11333951	-3.339550935
7651	BX255925.3	5	1	1.49658021	-2.765426122
7652	RNF208	12	1	-2.27727333	-1.635300599

7653	CYSRT1	12	1	-2.562437925	-1.311726891
7654	TUBB4B	16	1	3.514865962	3.060106553
7655	NELFB	7	1	2.581518021	-1.061390124
7656	TOR4A	9	1	-0.016948785	-0.716813408
7657	NRARP	17	1	-4.851081762	3.178757705
7658	EXD3	1	1	-1.76125339	2.010633267
7659	NSMF	4	1	-0.933083806	-1.37753769
7660	MRPL41	16	1	3.952653494	3.8311458
7661	DPH7	5	1	1.785958972	-2.755557738
7662	ZMYND19	10	1	2.410034504	-3.799870216
7663	ARRDC1	6	1	-1.200293335	-1.993530952
7664	RRDC1-AS	6	1	-0.642897102	-3.657671176
7665	EHMT1	7	1	2.817936268	-0.663410984
7666	LINC01001	1	1	-2.440436754	2.388256348
7667	BET1L	14	1	-1.136473569	3.060228146
7668	AC069287.2	1	1	-1.726327571	2.574581899
7669	RIC8A	11	1	2.870745984	-0.096674167
7670	SIRT3	6	1	-1.239395771	-2.0633175
7671	PSMD13	16	1	3.647202817	3.54180602
7672	PGGHG	1	1	-2.194356355	1.727216519
7673	IFITM2	3	1	1.272876587	4.931328095
7674	IFITM1	1	1	-2.652735862	2.067745961
7675	IFITM3	3	1	1.88603839	5.127526082
7676	B4GALNT4	1	1	-1.270594034	1.079301812
7677	PKP3	6	1	-1.104014191	-3.020052634
7678	SIGIRR	12	1	-2.297778282	-1.80984541
7679	PTDSS2	2	1	3.623256054	0.250900365
7680	RNH1	16	1	3.561499205	4.261868275
7681	HRAS	2	1	4.779055205	1.017493762
7682	LMNTD2	13	1	-3.097548398	-0.175398551
7683	AP006284.1	18	1	-3.581520948	0.589642294
7684	RASSF7	4	1	-1.613820705	-1.765813314
7685	MIR210HG	1	1	-1.884038362	3.126343049
7686	PHRF1	7	1	2.184964505	-1.728297435
7687	IRF7	13	1	-2.324502382	-0.193663918
7688	DRD4	1	1	-1.930647525	2.730392493
7689	DEAF1	2	1	3.222894755	0.298440501
7690	AC131934.1	1	1	-0.526198718	1.379781283
7691	EPS8L2	12	1	-2.014738473	-1.803768359
7692	TMEM80	13	1	-3.268628749	-0.842307888
7693	TALDO1	16	1	3.569719401	4.375003613
7694	GATD1	11	1	0.602384713	-0.840641462
7695	AP006621.3	1	1	-1.569175992	2.217274822

7696	CEND1	6	1	-1.627265963	-3.310368262
7697	SLC25A22	5	1	1.123650756	-2.506885253
7698	PANO1	6	1	-2.304277334	-2.796851598
7699	PIDD1	6	1	-1.376811776	-1.913035356
7700	RPLP2	3	1	1.855401722	5.385121621
7701	PNPLA2	9	1	-1.915349993	-0.055453085
7702	CRACR2B	6	1	-0.842128906	-3.497349702
7703	CD151	3	1	2.194727984	4.978272714
7704	POLR2L	3	1	2.878429738	4.897441186
7705	TSPAN4	3	1	2.315261212	4.839573182
7706	AP006623.1	8	1	0.066235502	1.59524659
7707	CHID1	18	1	-3.44022027	1.77911476
7708	AP2A2	14	1	0.378796455	3.630166091
7709	AC139749.1	17	1	-4.801697645	3.269680299
7710	TOLLIP	2	1	3.979923573	0.514565266
7711	TOLLIP-AS	15	1	-4.124381456	-1.79408785
7712	MOB2	8	1	0.559916165	0.729274608
7713	DUSP8	9	1	-0.359733465	0.457742765
7714	IFITM10	1	1	-1.36419228	1.426875271
7715	CTSD	14	1	-0.034993234	4.391147412
7716	LSP1	19	2	-6.821595582	0.101183392
7717	MRPL23	2	1	4.38479003	1.367431916
7718	IGF2.1	8	1	0.786929694	0.545312591
7719	ASCL2	15	1	-4.739783678	-0.474654578
7720	CD81	3	1	2.294986573	5.043380536
7721	TSSC4	2	1	4.489902583	0.390255059
7722	KCNQ1OT	3	1	0.832535115	4.301743544
7723	KCNQ1-AS	17	1	-4.368056211	3.112602509
7724	CDKN1C	1	1	-2.052949581	3.235955991
7725	SLC22A18A	19	2	-6.651074323	0.047647305
7726	SLC22A18	18	1	-3.259970102	1.823889173
7727	PHLDA2	16	1	3.75980052	3.123159207
7728	NAP1L4	10	1	3.668498602	-2.335458003
7729	CARS	3	1	1.497740117	2.683140553
7730	OSBPL5	1	1	-1.32161704	0.906148828
7731	ZNF195	5	1	0.827376571	-2.330296241
7732	CHRNA10	5	1	0.653891352	-2.45885893
7733	NUP98	7	1	2.086587754	-1.256786548
7734	PGAP2	6	1	-0.687312219	-3.086507522
7735	RHOG	8	1	0.47424477	1.514349498
7736	STIM1	4	1	-1.561102423	-0.547932528
7737	RRM1	10	1	3.42804822	-3.353190147
7738	TRIM21	4	1	-0.303985092	-0.962533795

7739	TRIM68	4	1	0.006514222	-1.218496047
7740	HBD	8	1	0.194358554	0.461733326
7741	AC104389.4	1	1	-2.16103569	1.692966379
7742	TRIM6	10	1	3.251007643	-2.927837335
7743	TRIM5	11	1	2.027176824	-0.219620787
7744	TRIM22	8	1	0.061458223	1.522393502
7745	FAM160A2	4	1	-1.405925068	-0.412379645
7746	CAVIN3	16	1	3.914376822	3.813178099
7747	SMPD1	14	1	-1.008743319	2.856131352
7748	APBB1	13	1	-2.09743062	0.545959435
7749	HPX	12	1	-2.277399454	-1.600586258
7750	TRIM3	4	1	0.322942939	-1.414118253
7751	ARFIP2	2	1	3.853684512	1.035738624
7752	TIMM10B	2	1	3.125985947	-0.394490861
7753	DNHD1	1	1	-1.551214013	2.463785447
7754	RRP8	7	1	3.435911027	-1.020601951
7755	ILK	3	1	2.150643673	4.496362008
7756	TAF10	3	1	2.42108759	5.160527028
7757	TPP1	14	1	-1.100784335	3.105274714
7758	DCHS1	15	1	-4.189142618	-0.343657516
7759	MRPL17	3	1	2.430576649	3.454256333
7760	OR2AG2	5	1	1.338323918	-2.121553622
7761	ZNF215	5	1	1.855280486	-2.359757863
7762	PPFIBP2	12	1	-3.268889341	-1.613527976
7763	CYB5R2	13	1	-3.045393142	0.398418437
7764	OR5P2	8	1	0.613567498	1.081991114
7765	NLRP10	8	1	0.921741035	0.636476911
7766	EIF3F	3	1	1.798153606	5.463885106
7767	TUB	1	1	-2.226001176	2.301961697
7768	STK33	6	1	-0.426094267	-3.354276382
7769	TRIM66	9	1	-1.447025094	-0.034997188
7770	RPL27A	3	1	1.733568993	5.340176381
7771	ST5	13	1	-3.349470052	-0.515680991
7772	AKIP1	2	1	3.490103808	0.45158612
7773	TMEM9B	2	1	3.654549685	0.378660572
7774	NRIP3	7	1	2.130433646	-1.138765536
7775	SCUBE2	15	1	-3.938992652	-0.080416285
7776	DENND5A	8	1	-0.198090661	1.927069701
7777	TMEM41B	14	1	-0.05321883	2.976820029
7778	IPO7	3	1	1.534084526	2.507630147
7779	AC132192.1	7	1	1.358354536	-1.005079828
7780	AC132192.2	20	1	-0.94575313	-4.50762149
7781	ZNF143	5	1	1.481097665	-1.276398979

7782	WEE1	10	1	2.592179623	-2.779210054
7783	SWAP70	11	1	2.343982068	-0.170207463
7784	SBF2-AS1	8	1	0.585986939	0.958184935
7785	SBF2	14	1	-0.377960655	2.299590148
7786	AC080023.1	18	1	-3.103312168	1.712429441
7787	ADM	14	1	-0.648175988	2.748665847
7788	AMPD3	1	1	-0.923967156	1.818290151
7789	MTRNR2L8	14	1	-0.487239692	3.350376643
7790	RNF141	1	1	-2.131862316	1.994929589
7791	MRVI1	13	1	-1.981923732	-0.510825835
7792	CTR9	7	1	2.5692552	-0.602178656
7793	EIF4G2	16	1	2.779822436	3.221290149
7794	ZBED5	9	1	-0.397924605	-0.485951506
7795	ZBED5-AS1	6	1	-2.339944038	-3.085748159
7796	GALNT18	1	1	-1.285388145	2.46004752
7797	CSNK2A3	4	1	-0.276180598	-1.838760577
7798	AC104031.1	1	1	-2.169243488	3.034552134
7799	USP47	8	1	1.466307488	1.146299638
7800	DKK3	3	1	1.051363078	4.221385278
7801	MICAL2	8	1	1.079214302	0.251498066
7802	AC079329.1	8	1	0.099964273	0.784178294
7803	PARVA	3	1	1.569845882	4.254355468
7804	TEAD1	8	1	0.753445533	1.834545411
7805	LINC00958	17	1	-4.896387491	3.268894471
7806	RASSF10	17	1	-4.861917409	3.180697717
7807	ARNTL	4	1	-0.399518642	-2.087649547
7808	BTBD10	11	1	2.808201399	-0.238051735
7809	FAR1	8	1	1.312012282	0.979335524
7810	SPON1	15	1	-4.839532289	-1.160104476
7811	RRAS2	11	1	1.605555382	0.3177655
7812	COPB1	3	1	1.456062165	4.322664536
7813	PSMA1	3	1	2.305282441	4.239408769
7814	PDE3B	10	1	3.251220313	-3.473289214
7815	CYP2R1	3	1	1.07890698	2.338238515
7816	INSC	11	1	1.384005275	-0.210355245
7817	SOX6	15	1	-4.670986089	-1.369470082
7818	C11orf58	16	1	2.826121417	3.87140397
7819	PLEKHA7	15	1	-3.447417888	-1.636948548
7820	RPS13	3	1	2.211372223	5.621016301
7821	PIK3C2A	8	1	1.410170165	1.36159382
7822	NUCB2	3	1	1.597426382	4.999861516
7823	NCR3LG1	4	1	-0.116493392	-1.348074757
7824	AC124798.1	4	1	-0.659741852	-1.551902138

7825	SERGEF	6	1	-1.150265369	-2.491680585
7826	SAAL1	7	1	3.061358061	-2.652763091
7827	SAA2	13	1	-2.869409713	-0.763608299
7828	SAA1	13	1	-2.743534479	-0.835768782
7829	HPS5	4	1	-0.248537693	-2.100690566
7830	GTF2H1	5	1	0.660818306	-2.328647338
7831	LDHA	3	1	2.187492219	4.409172334
7832	TSG101	2	1	3.981218424	0.217643402
7833	UEVLD	4	1	-0.061789434	-1.467213355
7834	SPTY2D1O5	18	1	-3.058748159	1.470530189
7835	SPTY2D1	14	1	-0.884458575	3.314838923
7836	TMEM86A	19	2	-6.625179204	0.06006483
7837	ZDHHC13	5	1	1.329065528	-2.624271117
7838	CSRP3	6	1	-1.138331208	-3.62532302
7839	E2F8	10	1	2.490223494	-4.474856578
7840	NAV2	10	1	3.725152579	-3.089294158
7841	AC009549.1	11	1	1.301164117	-0.476276957
7842	NAV2-AS3	10	1	3.742163506	-3.182274781
7843	NAV2-AS2	17	1	-3.953456554	2.460040845
7844	HTATIP2	14	1	-1.475609335	2.99551443
7845	PRMT3	7	1	2.103376952	-2.159451209
7846	FANCF	6	1	-0.021248198	-3.168684684
7847	GAS2	15	1	-4.931767854	-1.042284809
7848	SVIP	7	1	3.353296605	-1.454877459
7849	LUZP2	18	1	-3.893646869	1.261126794
7850	FIBIN	15	1	-4.405618581	0.01805336
7851	BBOX1-AS1	15	1	-4.045303735	-1.459680639
7852	CCDC34	10	1	3.966954079	-2.471089326
7853	LGR4	4	1	-1.823785934	-0.541389309
7854	LIN7C	11	1	1.92022976	-0.226647102
7855	BDNF-AS	1	1	-0.653171513	1.620399989
7856	BDNF	3	1	1.564053026	3.309669532
7857	KIF18A	10	1	4.18495616	-3.490774594
7858	METTL15	1	1	-1.339622411	1.549616255
7859	ARL14EP	2	1	3.433059779	-0.076973193
7860	DNAJC24	9	1	-0.464000437	-0.042291187
7861	IMMP1L	5	1	1.237557855	-3.329933129
7862	ELP4	5	1	1.883844581	-2.726391994
7863	PAX6	8	1	0.867366698	0.512948058
7864	RCN1	3	1	1.188385335	4.324730195
7865	EIF3M	3	1	2.777576771	4.329909362
7866	PRRG4	17	1	-4.800807867	3.146820105
7867	QSER1	7	1	2.451199856	-1.104131662

7868	DEPDC7	5	1	1.204129425	-1.718206607
7869	TCP11L1	9	1	-1.2743471	0.404958878
7870	LINC00294	9	1	-1.115288171	0.084030129
7871	CSTF3	7	1	3.189661589	-1.169220887
7872	HIPK3	9	1	-1.066714916	0.562661446
7873	KIAA1549I	5	1	1.575987783	-2.246941053
7874	AL049629.1	17	1	-4.851370248	3.274985112
7875	AL049629.2	5	1	0.73285791	-2.143730365
7876	C11orf91	13	1	-2.566267166	0.520247601
7877	CD59	16	1	3.531523552	3.454235352
7878	FBXO3	4	1	0.12904336	-1.275472604
7879	LMO2	6	1	-2.181223068	-3.202823363
7880	CAPRIN1	3	1	2.447562781	2.421158589
7881	NAT10	7	1	2.019076434	-2.01744505
7882	ABTB2	4	1	-1.712064537	-0.917499863
7883	CAT	12	1	-3.344218883	-2.278651916
7884	EHF	17	1	-3.452094945	2.68592409
7885	APIP	7	1	3.25811514	-1.210607492
7886	PDHX	1	1	-1.923648986	2.693857468
7887	CD44	3	1	1.622361031	3.76248721
7888	PAMR1	18	1	-3.047541294	2.099440731
7889	FJX1	7	1	3.483483878	-1.324720703
7890	TRIM44	11	1	2.535592642	0.183712415
7891	LDLRAD3	5	1	0.978182045	-1.975290738
7892	COMMD9	2	1	4.202293482	0.883135535
7893	PRR5L	1	1	-2.296448621	0.995279588
7894	TRAF6	9	1	-0.638813111	0.153818615
7895	RAG1	6	1	-0.799823734	-2.831293069
7896	C11orf74	2	1	3.397865382	1.160572506
7897	LRRC4C	12	1	-3.026681814	-2.576087915
7898	API5	7	1	2.69893631	-0.657571994
7899	TTC17	14	1	-0.340294275	2.479614056
7900	HSD17B12	14	1	-0.124004755	2.694594182
7901	AC087521.2	1	1	-0.683115336	1.477978982
7902	ALKBH3	5	1	1.03411105	-3.061113321
7903	C11orf96	17	1	-4.297747526	2.752396144
7904	ACCS	12	1	-2.685413751	-1.271142684
7905	EXT2	14	1	-0.252884451	3.228064574
7906	CD82	1	1	-0.555944952	2.098356403
7907	TSPAN18	1	1	-1.2052286	2.504808225
7908	TP53I11	12	1	-2.995228443	-1.911937438
7909	PRDM11	15	1	-3.43095437	-2.053174697
7910	AC103736.1	15	1	-4.309983644	-1.066916906

7911	CHST1	4	1	-1.191664013	-0.945689999
7912	AC044839.1	12	1	-3.341086778	-1.920830451
7913	SLC35C1	4	1	-1.203562531	-1.526036941
7914	CRY2	1	1	-1.802812848	1.13297937
7915	MAPK8IP1	5	1	0.203660604	-2.798950635
7916	PEX16	2	1	3.991371241	0.897133089
7917	PHF21A	1	1	-1.851266894	2.112093366
7918	LINC02489	1	1	-2.323716554	2.919376649
7919	CREB3L1	3	1	1.178985324	4.908227719
7920	DGKZ	7	1	2.267621127	-1.677390062
7921	MDK	3	1	2.619120446	5.184993066
7922	AMBRA1	4	1	-0.717715773	-1.593391024
7923	HARBI1	6	1	-0.903090867	-2.925986491
7924	ATG13	9	1	-1.279204878	0.065349646
7925	ARHGAP1	13	1	-3.208319101	-0.398745857
7926	ZNF408	4	1	-2.086362514	-1.245781742
7927	CKAP5	10	1	4.393384066	-3.222953521
7928	LRP4-AS1	1	1	-2.52976099	2.303506531
7929	LRP4	18	1	-3.913744125	1.751845397
7930	C11orf49	2	1	3.97978839	0.745988197
7931	ARFGAP2	7	1	3.304336634	-0.88769611
7932	PACSIN3	2	1	4.11879262	-0.143887066
7933	DDB2	7	1	2.887998906	-1.89627596
7934	ACP2	6	1	-1.010090146	-2.927908145
7935	NR1H3	18	1	-2.872382793	1.31187097
7936	MADD	4	1	-0.233457717	-0.892088019
7937	SPI1	19	2	-7.388383302	0.255194045
7938	SLC39A13	13	1	-2.02461687	-0.270036958
7939	PSMC3	16	1	3.905781832	3.117439307
7940	CELF1	8	1	1.464777556	1.020095147
7941	NDUFS3	2	1	4.678036776	0.593414463
7942	PTPMT1	2	1	4.135862437	-0.000203453
7943	KBTBD4	6	1	0.360432532	-3.115678035
7944	C1QTNF4	6	1	-2.593937072	-3.434921704
7945	MTCH2	2	1	4.719858256	0.118040897
7946	FNBP4	8	1	1.376147714	1.339767433
7947	NUP160	5	1	2.285629836	-2.948519431
7948	PTPRJ	1	1	-0.890201423	1.754705585
7949	TNKS1BP1	8	1	0.3160862	1.790193714
7950	SSRP1	16	1	3.4107407	2.667360104
7951	SLC43A3	17	1	-3.375420484	2.682698287
7952	RTN4RL2	17	1	-3.149935874	2.794385947
7953	SLC43A1	1	1	-2.448582086	1.691983141

7954	TIMM10	2	1	4.710049716	0.694215901
7955	UBE2L6	14	1	-1.105746779	3.615688361
7956	SERPING1	1	1	-2.164636049	3.024562873
7957	YPEL4	17	1	-2.882402572	2.892737902
7958	CLP1	5	1	0.877177682	-2.771400415
7959	ZDHHC5	5	1	-0.437734488	-2.273458205
7960	MED19	2	1	4.141720858	0.293734617
7961	TMX2	7	1	3.946430769	-1.020406567
7962	SELENOH	16	1	4.02239975	3.740020312
7963	CTNND1	14	1	0.160688002	2.340300239
7964	LPXN	4	1	-0.157179999	-0.866787039
7965	ZFP91	8	1	1.401193586	0.872138895
7966	GLYATL2	1	1	-2.645028743	1.870312251
7967	FAM111B	10	1	2.457712975	-4.156396114
7968	AM111A-D	1	1	-1.862100992	0.678770043
7969	FAM111A	10	1	3.009107676	-3.756772243
7970	DTX4	13	1	-2.294525775	0.481670595
7971	OSBP	14	1	-0.736027572	2.956686057
7972	PATL1	9	1	0.017478059	0.395343095
7973	STX3	8	1	0.577566233	0.205691494
7974	MRPL16	2	1	4.343672839	0.547157116
7975	MS4A7	19	2	-7.491447362	0.282330692
7976	CCDC86	7	1	2.467214909	-2.353705846
7977	PTGDR2	17	1	-4.417367372	3.246274031
7978	ZP1	1	1	-2.289059791	3.174904145
7979	PRPF19	7	1	2.801838723	-1.959929429
7980	TMEM109	7	1	3.787436095	-1.482901179
7981	TMEM132A	1	1	-0.471404705	2.02181331
7982	SLC15A3	1	1	-1.901613984	1.639445103
7983	VPS37C	9	1	-0.345880184	0.219495334
7984	VWCE	12	1	-2.707612905	-1.272806607
7985	DDB1	14	1	0.080619004	2.492850341
7986	TKFC	6	1	-1.55104104	-2.07372924
7987	CYB561A3	15	1	-3.974808607	-1.557374321
7988	TMEM138	5	1	0.705996659	-3.023640834
7989	TMEM216	9	1	-0.3926743	0.196885653
7990	CPSF7	5	1	1.164107051	-1.600768887
7991	SDHAF2	2	1	4.08645114	0.199523143
7992	PPP1R32	1	1	-1.871314797	2.200920857
7993	SYT7	8	1	0.598927525	0.40280764
7994	DAGLA	6	1	-0.610083315	-2.570745908
7995	MYRF	4	1	-1.358441386	-1.545182191
7996	TMEM258	3	1	1.709797826	5.181352414

7997	FEN1	10	1	2.659646836	-3.856569015
7998	FADS2	14	1	0.039863007	3.399465598
7999	FADS1	14	1	-0.097337249	3.758630074
8000	FADS3	8	1	1.077689853	1.645598687
8001	BEST1	13	1	-3.46784893	-0.252150201
8002	FTH1	3	1	1.804065314	5.415345467
8003	INCENP	10	1	4.082198706	-3.49434229
8004	ASRGL1	5	1	1.886090961	-3.391969167
8005	AHNAK	3	1	2.472812024	2.866170443
8006	EEF1G	1	1	-2.214344177	2.436893739
8007	TUT1	4	1	0.140839574	-0.917732559
8008	MTA2	5	1	1.001088229	-1.815650426
8009	EML3	6	1	-1.000370893	-1.965538703
8010	ROM1	12	1	-3.030847225	-1.910044871
8011	B3GAT3	2	1	3.916513529	0.522451602
8012	GANAB	3	1	0.861660984	4.22568158
8013	INTS5	6	1	-0.349653962	-3.015802346
8014	C11orf98	4	1	-0.725171003	-0.842282854
8015	CSKMT	1	1	-1.981787834	2.734038867
8016	UQCC3	2	1	4.683931437	0.147452824
8017	UBXN1	3	1	2.713476506	5.26021222
8018	BSCL2	15	1	-3.96169034	-0.10858994
8019	HNRPUL	11	1	1.655479041	-0.235313259
8020	TTC9C	1	1	-1.544926795	2.110657967
8021	ZBTB3	4	1	-0.387130174	-1.752231561
8022	POLR2G	2	1	4.298921671	0.863718398
8023	AP001160.2	12	1	-2.819726858	-1.330612861
8024	TAF6L	6	1	0.375877735	-3.513146363
8025	TMEM223	2	1	4.548538771	0.120423443
8026	TMEM179B	15	1	-3.909510288	-0.326157652
8027	NXF1	5	1	0.599521843	-2.469736777
8028	STX5	14	1	-1.079725656	3.633666314
8029	AP001160.1	20	1	-1.530222091	-4.08852645
8030	WDR74	7	1	3.984809485	-1.17336651
8031	SLC3A2	3	1	1.789633956	2.966379918
8032	RARRES3	8	1	0.488527533	0.792465754
8033	PLA2G16	8	1	0.28208318	0.454171881
8034	ATL3	11	1	1.758463946	0.332180034
8035	RTN3	3	1	0.966286269	4.429717339
8036	C11orf95	4	1	-0.427156273	-1.424235307
8037	SPINDOC	5	1	1.15008935	-1.856043779
8038	MARK2	5	1	0.807730403	-1.785711251
8039	RCOR2	1	1	-1.757869276	0.482968576

8040	NAA40	5	1	0.887238529	-2.098324023
8041	COX8A	3	1	3.140811768	4.575190343
8042	OTUB1	2	1	4.511194315	-0.307949387
8043	MACROD1	2	1	3.671000329	0.714965679
8044	STIP1	7	1	3.743269053	-1.265456997
8045	TRPT1	14	1	-1.233794007	3.33094386
8046	NUDT22	2	1	3.931249228	1.118658401
8047	DNAJC4	13	1	-3.659830484	0.024998493
8048	VEGFB	3	1	2.198652592	4.884430684
8049	FKBP2	3	1	3.099606123	4.862201012
8050	PPP1R14B	16	1	3.908381072	3.624510087
8051	AP001453.2	12	1	-2.572445783	-1.736599408
8052	AP001453.4	12	1	-2.884853038	-2.082108461
8053	PLCB3	4	1	0.060356506	-1.959552966
8054	BAD	2	1	4.301819411	1.02591256
8055	GPR137	12	1	-2.899021301	-1.391723477
8056	ESRRA	11	1	0.445796367	-0.725444399
8057	TRMT112	3	1	2.882493105	4.648212708
8058	PRDX5	3	1	2.14028224	5.077537812
8059	CCDC88B	6	1	-2.01349512	-3.216039621
8060	RPS6KA4	5	1	1.93416616	-2.563652717
8061	NRXN2	1	1	-1.600110325	2.240827597
8062	RASGRP2	12	1	-2.882431898	-1.392792903
8063	PYGM	13	1	-2.208524618	-0.788427077
8064	SF1	7	1	2.773897973	-0.787136041
8065	MAP4K2	5	1	0.186077934	-2.539171182
8066	MEN1	5	1	0.009712162	-2.597898208
8067	EHD1	7	1	1.626067606	-0.711556874
8068	ATG2A	5	1	-0.107722569	-2.480717145
8069	PPP2R5B	4	1	-1.803813371	-0.719518267
8070	MAJIN	18	1	-3.423319969	1.28627
8071	BATF2	1	1	-1.230834636	1.888350643
8072	ARL2	16	1	3.489560214	4.071433581
8073	SNX15	8	1	0.858728436	0.465707317
8074	SAC3D1	7	1	3.947764006	-1.752356731
8075	NAALADL	13	1	-3.102125558	0.148201071
8076	CDCA5	10	1	3.50490388	-3.823763095
8077	ZFPL1	2	1	3.782651034	0.996913411
8078	VPS51	14	1	-1.14942244	3.709261931
8079	TM7SF2	12	1	-3.125482473	-1.223926746
8080	ZNHIT2	6	1	-0.6048089	-3.220402442
8081	FAU	3	1	2.573030558	5.414138593
8082	SYVN1	1	1	-1.946607384	1.181647636

8083	MRPL49	7	1	2.713742819	-1.448696934
8084	AP003068.2	6	1	-1.501730237	-3.438111745
8085	CAPN1	2	1	4.066777792	0.242593445
8086	POLA2	10	1	2.731673089	-3.908984862
8087	CDC42EP2	8	1	1.365324226	1.6077644
8088	DPF2	1	1	-0.70194653	2.031373299
8089	TIGD3	17	1	-4.825779352	3.174219645
8090	SLC25A45	6	1	-2.310490045	-3.077334129
8091	FRMD8	4	1	-0.669510219	-1.630236112
8092	NEAT1	3	1	0.932648745	4.661747731
8093	MALAT1	3	1	1.045687404	4.722917832
8094	SCYL1	14	1	-0.764549944	3.077750481
8095	LTBP3	13	1	-3.473477754	-0.503179871
8096	SSSCA1	2	1	4.690972415	0.414218202
8097	FAM89B	2	1	4.216680613	1.008828379
8098	EHBP1L1	11	1	1.56102666	-0.377444886
8099	KCNK7	6	1	-1.205239806	-2.55981084
8100	MAP3K11	7	1	1.62156066	-1.18128141
8101	PCNX3	4	1	-0.65637115	-1.45768591
8102	SIPA1	8	1	0.19745439	0.41493823
8103	RELA	8	1	0.509059963	1.420729674
8104	KAT5	5	1	1.919349518	-2.584960662
8105	RNASEH2C	2	1	4.61305913	1.085939385
8106	AP5B1	6	1	-0.462540183	-2.760985576
8107	CFL1	3	1	2.974467602	4.415757455
8108	MUS81	5	1	1.536930409	-1.696827851
8109	EFEMP2	3	1	1.96102592	5.072595872
8110	FIBP	16	1	4.007048455	3.842319526
8111	CCDC85B	16	1	3.417430249	4.495052136
8112	FOSL1	10	1	3.569956866	-2.303338491
8113	C11orf68	7	1	2.112997618	-0.519694291
8114	DRAP1	16	1	3.297888365	3.856197156
8115	TSGA10IP	5	1	1.685267416	-2.562294208
8116	SART1	7	1	2.756363717	-0.878946148
8117	EIF1AD	5	1	0.526806202	-3.038842641
8118	BANF1	16	1	3.558687773	3.364344634
8119	CST6	12	1	-2.613879594	-2.684246026
8120	CATSPER1	5	1	1.079654422	-2.720702373
8121	SF3B2	16	1	2.893435565	3.219115056
8122	AP006287.2	13	1	-3.384772691	-0.559716843
8123	PACS1	18	1	-2.988036308	1.7002993
8124	KLC2	5	1	0.682234374	-2.333441697
8125	AP001107.4	1	1	-2.194815788	2.165471233

8126	RAB1B	7	1	3.478606072	-0.846844278
8127	CNIH2	5	1	0.819050279	-3.39962288
8128	YIF1A	3	1	2.248061266	5.01123885
8129	TMEM151A	12	1	-2.735998306	-1.9939458
8130	CD248	2	1	4.177305308	1.525281705
8131	RIN1	5	1	1.802442279	-2.454674445
8132	BRMS1	2	1	4.280635443	-0.328849934
8133	B4GAT1	18	1	-3.751709375	1.68386177
8134	MRPL11	2	1	4.721922961	0.684382058
8135	PELI3	4	1	0.137597245	-1.834258758
8136	AP002748.3	12	1	-2.275839958	-2.545128308
8137	DPP3	2	1	3.999739018	0.260753505
8138	BBS1	9	1	-1.319162878	-0.252572619
8139	ZDHHC24	2	1	3.898274508	1.090967513
8140	CTSF	15	1	-4.236908349	0.166330151
8141	CCS	2	1	3.895788279	1.132311262
8142	RBM14	7	1	2.764172164	-2.513056003
8143	RBM4	4	1	-0.236525479	-1.566733323
8144	RBM4B	6	1	-1.304468307	-3.067831718
8145	AP001157.1	9	1	-1.21369687	0.142810948
8146	SPTBN2	12	1	-2.512432966	-2.129594527
8147	C11orf80	5	1	0.081986342	-2.923428022
8148	RCE1	6	1	-0.69380835	-2.578517162
8149	PC	17	1	-3.197991762	2.282142557
8150	LRFN4	6	1	-0.804540488	-2.830873214
8151	C11orf86	17	1	-3.382193002	2.512862719
8152	RHOD	13	1	-3.458827409	-0.680257283
8153	KDM2A	8	1	0.991586831	1.517246283
8154	GRK2	11	1	1.023006108	-1.089997612
8155	ANKRD13L	1	1	-0.955144796	2.201885737
8156	SSH3	4	1	-1.901832137	-1.554166757
8157	RAD9A	10	1	2.178625193	-3.579663955
8158	POLD4	1	1	-2.474020633	1.450313128
8159	CLCF1	4	1	-0.607625577	-1.619175874
8160	PPP1CA	16	1	4.077749339	2.935855664
8161	RPS6KB2	2	1	4.326545802	0.441666633
8162	CORO1B	2	1	4.023031321	1.094840921
8163	TMEM134	13	1	-3.438077125	0.253719352
8164	AIP	2	1	3.66205844	1.480054058
8165	PITPNM1	4	1	-0.816711161	-1.323432408
8166	CDK2AP2	2	1	4.038957682	1.469540275
8167	GSTP1	3	1	2.566339341	5.054461755
8168	NDUFV1	16	1	4.052988139	3.120183743

8169	NUDT8	5	1	1.165458169	-3.294114553
8170	UNC93B1	13	1	-2.598862085	0.574069924
8171	ALDH3B1	18	1	-3.246882591	1.146827079
8172	NDUFS8	16	1	3.457412568	4.18054942
8173	TCIRG1	14	1	-1.105784211	3.42720107
8174	AP002807.1	1	1	-2.172416124	1.556075729
8175	CHKA	5	1	0.727920201	-2.664330207
8176	KMT5B	8	1	0.504855898	0.91020403
8177	C11orf24	2	1	4.227939215	0.337301343
8178	LRP5	1	1	-1.427844676	1.08871565
8179	PPP6R3	11	1	1.167550531	-0.811829768
8180	GAL	5	1	1.453135934	-2.028350078
8181	TESMIN	10	1	4.174034205	-3.150592052
8182	CPT1A	6	1	-0.698589	-2.980077468
8183	MRPL21	2	1	4.610871401	1.097746469
8184	IGHMBP2	5	1	1.167751637	-1.536102854
8185	MRGPRF	7	1	1.65365347	-0.907739125
8186	TPCN2	9	1	-0.868074808	-0.057889573
8187	MYEOV	5	1	1.135398832	-2.445862018
8188	CCND1	3	1	2.09108552	3.371502913
8189	ORAOV1	4	1	-0.433506581	-1.266322218
8190	FGF19	8	1	0.579484966	1.110566832
8191	FADD	2	1	4.004679766	-0.454779946
8192	PPFIA1	11	1	2.284872141	-0.307426773
8193	CTTN	4	1	-1.325959596	-1.438805662
8194	SHANK2	1	1	-2.102385911	1.034398772
8195	DHCR7	14	1	-1.027698311	3.281520165
8196	AP002387.2	20	1	-0.973945651	-4.435607158
8197	NADSYN1	13	1	-2.292510423	-0.385008
8198	FAM86C1	5	1	0.907074836	-3.282287322
8199	AP002495.2	4	1	-0.341141048	-1.483958326
8200	RNF121	6	1	-0.894040558	-2.976473294
8201	IL18BP	1	1	-1.702776584	1.470179833
8202	NUMA1	8	1	1.530392018	1.173924245
8203	LRTOMT	6	1	-0.639854345	-3.291889869
8204	LAMTOR1	16	1	3.986620274	3.84591607
8205	ANAPC15	2	1	4.713409987	0.651111789
8206	INPPL1	4	1	-0.963643703	-1.092169486
8207	CLPB	7	1	2.070560542	-2.249673806
8208	LINC01537	17	1	-4.668430242	3.195757188
8209	ARAP1	1	1	-1.534470472	1.16626016
8210	STARD10	1	1	-1.468351159	2.705645121
8211	ATG16L2	9	1	0.189302337	-0.247244559

8212	FCHSD2	9	1	-0.609868738	0.236321278
8213	P2RY2	12	1	-2.193443212	-2.118902885
8214	P2RY6	13	1	-3.553854856	-0.753007375
8215	AP002761.3	12	1	-3.268852148	-2.370645009
8216	ARHGEF17	4	1	-1.565092716	-0.32648065
8217	RELT	5	1	1.624114957	-3.137970887
8218	FAM168A	1	1	-1.285179171	0.750294931
8219	RAB6A	8	1	0.065858603	2.09893731
8220	MRPL48	7	1	3.882464018	-1.156211935
8221	COA4	2	1	4.752892104	0.710132666
8222	PAAF1	1	1	-1.823831114	0.532411612
8223	UCP2	8	1	0.54147574	1.259983338
8224	C2CD3	4	1	0.182635528	-0.960897528
8225	PPME1	8	1	0.465435442	1.403613485
8226	P4HA3	17	1	-2.774802598	2.730535067
8227	PGM2L1	17	1	-3.656869802	2.456894196
8228	KCNE3	15	1	-4.272608671	0.366820776
8229	LIPT2	6	1	-0.515005383	-3.319211208
8230	POLD3	10	1	2.580178824	-4.016751491
8231	CHRD12	15	1	-4.775061998	-0.644862376
8232	RNF169	8	1	1.319039908	1.145278312
8233	XRRA1	18	1	-3.35772768	1.843484439
8234	SPCS2	3	1	2.109269467	4.708823479
8235	NEU3	4	1	-0.109514493	-1.368478738
8236	TPBGL	13	1	-3.227757129	-0.609918557
8237	ARRB1	6	1	-0.896135423	-2.122124873
8238	RPS3	3	1	2.359065619	5.642125882
8239	KLHL35	13	1	-3.414778146	-0.562075637
8240	GDPD5	13	1	-2.286301288	-0.464180373
8241	SERPINH1	3	1	1.118532267	4.828237809
8242	MAP6	4	1	-1.893771681	-0.756521903
8243	DGAT2	1	1	-1.576182398	1.704056777
8244	UVRAG	8	1	0.42332333	-0.012268596
8245	WNT11	12	1	-2.93259016	-2.090394937
8246	THAP12	7	1	2.941840258	-0.816200219
8247	GVQW3	15	1	-3.798793945	-0.968392693
8248	AP002360.1	20	1	-1.175559434	-4.097128116
8249	EMSY	4	1	0.246286613	-0.859240972
8250	AP001189.5	18	1	-3.115480575	1.283317663
8251	LRRC32	13	1	-3.570305023	-0.425009035
8252	TSKU	18	1	-3.096275243	1.116168834
8253	ACER3	5	1	1.111392704	-2.913777076
8254	CAPN5	4	1	-1.545953545	-1.480270349

8255	PAK1	7	1	2.43015584	-0.754131399
8256	CLNS1A	3	1	3.001313296	4.315222777
8257	AQP11	13	1	-2.948388252	0.016915269
8258	RSF1	14	1	-0.514908943	2.921085156
8259	AAMDC	15	1	-3.840824756	-1.052911841
8260	INTS4	5	1	0.456912813	-2.540475331
8261	KCTD14	5	1	1.240494934	-3.113075696
8262	NDUFC2	16	1	3.427369681	3.914835252
8263	ALG8	7	1	1.938429919	-2.168891631
8264	KCTD21-AS	9	1	-0.227657262	0.405469261
8265	KCTD21	13	1	-2.147989187	-0.489155911
8266	USP35	4	1	-1.673305425	-0.480258905
8267	GAB2	1	1	-2.459499034	2.602083005
8268	NARS2	5	1	1.432723847	-1.409604393
8269	TENM4	12	1	-3.151562128	-2.350641452
8270	PRCP	14	1	-0.732593271	3.537442006
8271	DDIAS	10	1	3.429668274	-3.79282447
8272	RAB30	15	1	-3.649503383	-1.182987057
8273	RAB30-AS1	5	1	1.790037003	-2.041829787
8274	PCF11	11	1	0.492930797	-1.095562659
8275	ANKRD42	13	1	-2.425152454	0.443587981
8276	CCDC90B	2	1	4.085844603	1.021776594
8277	AP000446.1	2	1	3.82347044	0.849386193
8278	TMEM126B	2	1	4.038109866	-0.69097706
8279	TMEM126A	2	1	4.703735438	0.346003413
8280	CREBZF	1	1	-0.946940991	1.741430081
8281	CCDC89	6	1	0.321349767	-3.528355323
8282	SYTL2	18	1	-2.773889694	1.827755846
8283	PICALM	11	1	1.581083265	0.370019814
8284	EED	10	1	2.497140732	-3.414635383
8285	HIKESHI	2	1	4.393552866	0.908663548
8286	CCDC81	13	1	-2.066122684	-0.58480575
8287	ME3	8	1	0.000267372	0.60816247
8288	PRSS23	3	1	1.718770233	4.402313985
8289	AP000654.1	8	1	-0.207483801	1.312254347
8290	AP001528.2	13	1	-2.070772562	0.244507171
8291	FZD4	9	1	0.12081479	0.28079126
8292	AP001528.1	12	1	-2.461835536	-1.697978698
8293	TMEM135	4	1	-1.376922402	-1.268569194
8294	RAB38	5	1	1.9263446	-2.78132578
8295	CTSC	11	1	2.204212275	0.068762786
8296	NOX4	18	1	-3.920547399	1.516201652
8297	CHORDC1	7	1	3.662479964	-0.872560822

8298	FAT3	12	1	-2.50039545	-2.167151414
8299	SLC36A4	9	1	-0.066361736	0.087745644
8300	DEUP1	6	1	-1.245119485	-3.588420354
8301	SMCO4	7	1	3.112454978	-1.479654275
8302	CEP295	10	1	3.370095578	-3.68112775
8303	SCARNA9	8	1	1.120981899	1.291163362
8304	TAF1D	3	1	1.413493124	4.436099805
8305	C11orf54	1	1	-1.112192783	1.44608394
8306	AP001273.2	1	1	-1.419177088	2.057794012
8307	MED17	5	1	1.087586132	-1.678253137
8308	PANX1	1	1	-1.292564306	1.154938675
8309	MRE11	10	1	3.090795365	-3.297779523
8310	ANKRD49	1	1	-2.184110794	1.663219489
8311	FUT4	4	1	-0.159939322	-1.004198872
8312	AMOTL1	11	1	1.392871228	-0.521519743
8313	CWC15	2	1	4.64682683	0.995188273
8314	KDM4D	10	1	3.434250918	-3.549392425
8315	SRSF8	15	1	-3.632076416	-2.221608602
8316	ENDOD1	6	1	-1.563300523	-3.383484803
8317	SESN3	15	1	-3.790477905	-1.793350183
8318	FAM76B	5	1	0.999828663	-2.475445949
8319	CEP57	7	1	2.756702509	-0.771336757
8320	MTMR2	3	1	1.339448777	1.939216889
8321	MAML2	15	1	-3.910639677	0.27346491
8322	CCDC82	7	1	2.555748787	-0.843528711
8323	JRKL	1	1	-1.197056922	1.386981882
8324	AP003730.2	17	1	-4.893681917	3.092375792
8325	CNTN5	6	1	-1.377992544	-3.609790765
8326	ARHGAP42	6	1	-1.986473712	-3.084174834
8327	CEP126	13	1	-3.608103427	-0.355388008
8328	CFAP300	15	1	-3.92932311	-0.282021784
8329	AP001527.2	20	1	-1.517344269	-4.23223754
8330	YAP1	14	1	-0.28722066	2.58283738
8331	BIRC3	8	1	0.405570593	1.221860684
8332	BIRC2	14	1	-0.421963158	3.04923705
8333	TMEM123	3	1	2.182195035	2.87147931
8334	MMP10	17	1	-2.906323823	2.853334941
8335	MMP1	8	1	0.724790302	0.232909925
8336	MMP3	17	1	-3.237172279	2.63232664
8337	DCUN1D5	2	1	4.522509661	-0.316454552
8338	DYNC2H1	15	1	-3.572440299	-2.069100343
8339	PDGFD	15	1	-4.483383092	-1.223037087
8340	CASP4	14	1	-1.04814938	3.857635297

8341	CASP1	13	1	-2.871830615	0.290613629
8342	CARD16	13	1	-3.116223487	0.440769329
8343	MSANTD4	14	1	-0.535821888	2.676076211
8344	KBTBD3	1	1	-2.072640094	1.243413426
8345	AASDHPT	2	1	3.648257342	-0.49927517
8346	GUCY1A2	15	1	-4.258131418	-0.300565981
8347	AP000766.1	5	1	0.438663182	-1.91747471
8348	CWF19L2	14	1	0.08415195	2.850715436
8349	ALKBH8	5	1	0.578266111	-2.705657684
8350	SLC35F2	5	1	1.151295033	-1.312837325
8351	CUL5	11	1	2.240859833	0.127519913
8352	ACAT1	7	1	4.139277545	-1.012500845
8353	NPAT	5	1	2.026377526	-2.810505353
8354	ATM	14	1	-0.698102924	3.0541654
8355	KDELC2	7	1	1.598902908	-0.737976276
8356	EXPH5	8	1	0.172000599	1.421104111
8357	DDX10	11	1	2.547047701	-0.279963397
8358	RDX	3	1	2.150753584	3.892700471
8359	ZC3H12C	9	1	-0.467175993	0.955131747
8360	FDX1	2	1	3.769389477	-0.402219497
8361	ARHGAP20	6	1	-0.350029084	-3.364440404
8362	LINC02550	18	1	-3.004272375	0.760349251
8363	BTG4	7	1	2.254358855	-2.32358142
8364	LAYN	14	1	-0.689176592	2.605917968
8365	SIK2	1	1	-2.526797924	2.29130093
8366	PPP2R1B	5	1	0.784252253	-1.53577634
8367	ALG9	4	1	-0.03270487	-1.37041422
8368	FDXACB1	10	1	2.682305184	-2.929372274
8369	C11orf1	15	1	-3.705358896	-1.368677937
8370	CRYAB	12	1	-2.823820505	-1.76701089
8371	HSPB2	12	1	-2.807455692	-1.742857896
8372	DIXDC1	13	1	-2.678022775	-0.925840937
8373	DLAT	5	1	1.780993667	-2.024893247
8374	PIH1D2	6	1	-2.193257246	-3.38285514
8375	NKAPD1	11	1	2.434398976	-0.33213421
8376	TIMM8B	2	1	4.691599455	1.236874379
8377	SDHD	14	1	0.501076338	2.89487008
8378	IL18	19	2	-7.394113931	0.274524599
8379	BCO2	17	1	-3.13449398	2.566460885
8380	PTS	2	1	4.046442118	-0.245918237
8381	AP002884.1	6	1	-1.33544806	-3.208523713
8382	NCAM1	6	1	-0.564264092	-2.540611707
8383	TTC12	6	1	-0.339143548	-3.448495589

8384	TMPRSS5	6	1	-1.937665734	-2.376960479
8385	ZW10	5	1	1.886457887	-3.187623702
8386	USP28	9	1	-0.036897744	0.343633573
8387	NNMT	3	1	2.088121024	4.976249493
8388	C11orf71	13	1	-2.936659488	-0.184123181
8389	RBM7	14	1	0.115130228	2.64679674
8390	REXO2	3	1	2.733791676	4.704243935
8391	CADM1	18	1	-3.266046915	1.68599204
8392	BUD13	10	1	2.70345625	-3.266452275
8393	AP006216.1	6	1	-1.631879839	-2.831026517
8394	ZPR1	2	1	4.180376139	-0.106382512
8395	APOA4	17	1	-4.789157781	3.199571408
8396	APOC3	12	1	-2.176103506	-2.020332299
8397	APOA1	15	1	-3.514181051	-2.224334918
8398	SIK3	4	1	-0.859357986	-1.039042793
8399	PAFAH1B2	11	1	1.6488727	0.277329013
8400	SIDT2	1	1	-2.283117208	1.065932132
8401	TAGLN	3	1	2.102091637	4.653533257
8402	PCSK7	14	1	-0.449334714	2.32964126
8403	RNF214	2	1	3.368183699	-0.536013864
8404	BACE1	15	1	-3.839313421	-0.315617465
8405	BACE1-AS	9	1	-0.72053853	0.597109489
8406	CEP164	7	1	2.362483349	-1.75015875
8407	UBE4A	11	1	2.129946795	-0.269500099
8408	ATP5MG	3	1	2.69800314	5.148072518
8409	KMT2A	8	1	1.190372077	1.266824163
8410	AP001267.3	12	1	-2.493317279	-2.764175378
8411	TTC36	12	1	-2.652587566	-2.036674701
8412	TMEM25	4	1	-1.614688906	-1.652903043
8413	IFT46	6	1	-0.069427858	-3.36373397
8414	ARCN1	3	1	2.385002938	2.750825681
8415	PHLDB1	7	1	1.782299724	-0.42258402
8416	DDX6	11	1	2.185669032	0.515119411
8417	AP004609.1	1	1	-2.068915758	2.634438552
8418	BCL9L	14	1	-0.524204227	2.436968602
8419	UPK2	12	1	-2.957358274	-1.030327879
8420	AP003392.4	5	1	1.580948797	-3.467681848
8421	CCDC84	6	1	0.022734451	-3.053282224
8422	RPS25	3	1	1.845836845	5.425192632
8423	TRAPPC4	2	1	4.336337653	-0.370863341
8424	SLC37A4	10	1	2.956828681	-3.399076425
8425	HYOU1	14	1	0.120755207	2.565317668
8426	VPS11	6	1	-0.843668971	-2.028090202

8427	HMBS	2	1	4.476230231	-0.51745119
8428	H2AFX	10	1	3.896615353	-3.39216014
8429	DPAGT1	9	1	0.335784671	-0.502225362
8430	C2CD2L	11	1	0.52641463	-0.525094114
8431	HINFP	9	1	-0.843797895	0.391583103
8432	ABCG4	12	1	-2.441531333	-1.26090511
8433	NLRX1	13	1	-2.244156751	-0.084188365
8434	CCDC153	13	1	-3.506258163	-0.072163128
8435	CBL	11	1	1.697102871	0.514497138
8436	MCAM	8	1	0.823456493	0.817445822
8437	RNF26	10	1	4.54439601	-3.368739806
8438	USP2	12	1	-2.173615131	-1.72087618
8439	USP2-AS1	11	1	1.069234338	-1.257786595
8440	THY1	3	1	2.321711627	4.832238473
8441	NECTIN1	5	1	1.727882472	-3.290697299
8442	TRIM29	13	1	-3.494538459	-0.161496245
8443	OAF	14	1	0.00463627	2.705911435
8444	TMEM136	1	1	-1.417476925	2.753166951
8445	ARHGEF12	8	1	1.385737029	1.184429504
8446	TBCEL	9	1	-1.303882036	-0.060099565
8447	SC5D	8	1	0.43621507	1.002533175
8448	SORL1	17	1	-3.484920415	2.502557792
8449	BLID	1	1	-0.876586768	2.012363471
8450	UBASH3B	5	1	1.516892877	-1.484331213
8451	CRTAM	17	1	-4.66860238	3.210539855
8452	JHY	12	1	-3.274886283	-1.728458844
8453	HSPA8	16	1	3.538129416	3.397833623
8454	CLMP	17	1	-3.291457328	2.294220842
8455	GRAMD1B	9	1	-0.233865383	0.579366855
8456	ZNF202	5	1	1.259286371	-1.881653033
8457	VWA5A	15	1	-4.46389142	-0.930036269
8458	TBRG1	2	1	3.582232085	0.237187601
8459	SIAE	1	1	-2.597138795	1.361132182
8460	SPA17	10	1	4.132105914	-2.210311137
8461	NRGN	10	1	2.81332716	-2.965354167
8462	VSIG2	1	1	-1.332841072	2.170892156
8463	ESAM	17	1	-4.816606912	3.213435925
8464	MSANTD2	5	1	1.445543018	-2.980833017
8465	ROBO3	9	1	-0.572085533	-0.228723489
8466	CCDC15	10	1	2.849593249	-3.980387412
8467	TMEM218	6	1	-0.364163879	-3.228543006
8468	PKNOX2	12	1	-2.817354116	-1.50441178
8469	FEZ1	8	1	0.672402051	1.391441501

8470	EI24	2	1	4.696297732	1.159726001
8471	STT3A-AS1	3	1	1.491087881	3.494421519
8472	STT3A	14	1	-0.319757137	3.181260861
8473	CHEK1	10	1	2.765407172	-3.833869659
8474	HYLS1	10	1	4.027731505	-3.314103089
8475	PUS3	6	1	-1.216953787	-2.079293452
8476	CDON	18	1	-3.354628477	0.961822785
8477	RPUSD4	4	1	0.205083933	-1.884679996
8478	FAM118B	5	1	0.304078755	-2.673806392
8479	SRPRA	3	1	1.767477479	2.365084208
8480	FOXRED1	7	1	2.034528699	-2.532383166
8481	TIRAP	4	1	-1.533710751	-1.025197707
8482	AP001318.2	4	1	-1.532665166	-1.475354873
8483	DCPS	2	1	4.567974654	-0.057788305
8484	GSEC	1	1	-2.234281454	2.556592025
8485	ST3GAL4	1	1	-2.417285356	3.038463391
8486	KIRREL3	8	1	0.268945944	1.35475824
8487	AP001783.1	12	1	-1.888129029	-2.074993097
8488	AP002833.1	7	1	2.038744298	-2.226718866
8489	AP000904.1	17	1	-4.815467748	2.901096858
8490	ETS1	3	1	1.312810746	2.065791286
8491	FLI1	8	1	0.303502706	0.390832541
8492	SENCR	6	1	-1.327360305	-1.956430398
8493	TP53AIP1	17	1	-4.801547918	3.117633857
8494	ARHGAP32	9	1	-0.560062143	-0.35826876
8495	NFRKB	5	1	0.71615943	-1.958318673
8496	PRDM10	9	1	0.026164444	-0.178929769
8497	APLP2	3	1	1.029157427	4.306222953
8498	ST14	19	2	-7.364972028	0.273573406
8499	ZBTB44	9	1	-0.602132472	0.830323733
8500	AP003486.1	1	1	-1.546511445	0.766436733
8501	SNX19	9	1	-0.975780758	-0.409561776
8502	NTM	11	1	1.538857308	0.232269667
8503	AP000844.2	8	1	0.683263686	0.379017747
8504	OPCML	12	1	-2.565659198	-2.056300841
8505	AP000911.1	15	1	-4.01141921	0.428302098
8506	JAM3	8	1	0.135722217	2.135977305
8507	NCAPD3	10	1	3.218181696	-3.462017022
8508	VPS26B	2	1	3.380180207	0.719707377
8509	THYN1	2	1	4.468477812	0.65659181
8510	ACAD8	4	1	-0.172497678	-1.819356404
8511	B3GAT1	12	1	-3.056902084	-2.10684868
8512	ZMYND11	11	1	1.907872763	0.587341018

8513	DIP2C	1	1	-1.083729538	1.696774639
8514	LARP4B	11	1	1.288087693	-0.38134297
8515	GTPBP4	7	1	3.987414446	-1.034198724
8516	IDI1	14	1	-1.15190545	3.479376353
8517	WDR37	4	1	-1.003781352	-1.407584869
8518	AL731533.2	1	1	-1.607832345	2.400243796
8519	PFKP	3	1	2.28512415	3.648454942
8520	PITRM1	7	1	2.404648629	-1.180592738
8521	PITRM1-AS	5	1	1.015154925	-2.045161449
8522	AL451164.2	12	1	-2.911141309	-2.262052022
8523	KLF6	3	1	2.43177661	2.534729518
8524	LINC00702	4	1	-0.136198241	-0.963405095
8525	MANCR	5	1	1.240548459	-2.029244624
8526	AKR1E2	5	1	0.760636476	-1.909007989
8527	AKR1C1	17	1	-3.822252187	2.98623351
8528	AKR1C3	17	1	-4.368410978	2.844067372
8529	NET1	7	1	1.847373453	-0.548810207
8530	AL365356.5	5	1	1.717892375	-2.468901836
8531	ASB13	11	1	0.693273154	-0.902300559
8532	FAM208B	11	1	2.210128871	-0.097123228
8533	GDI2	3	1	1.771108237	4.214253224
8534	AL596094.1	20	1	-0.990471873	-4.412471973
8535	ANKRD16	5	1	1.482232538	-3.016583644
8536	FBH1	11	1	1.700388399	-0.300637983
8537	AL137186.2	13	1	-2.1156427	0.139823429
8538	IL15RA	8	1	0.777179208	0.773594327
8539	RBM17	7	1	3.952597228	-1.588978015
8540	PFKFB3	1	1	-1.858075294	2.347321905
8541	AL157395.1	1	1	-2.114595088	3.173173941
8542	AL137145.2	1	1	-1.837162289	2.79937271
8543	AL137145.1	1	1	-1.801697287	2.68667797
8544	KIN	2	1	3.444303837	-0.380365871
8545	ATP5F1C	16	1	3.490798083	4.13400463
8546	TAF3	7	1	2.431531277	-1.926111661
8547	SFTA1P	12	1	-2.151746187	-2.501612149
8548	CELF2	12	1	-2.040456447	-2.038002692
8549	USP6NL	4	1	0.408405867	-1.745641671
8550	ECHDC3	6	1	-1.360730204	-3.046027385
8551	PROSER2	5	1	-0.203765798	-2.379590236
8552	UPF2	8	1	0.949722376	2.06175939
8553	DHTKD1	1	1	-0.980037007	1.098179556
8554	SEC61A2	9	1	-0.147411573	-0.007739745
8555	NUDT5	2	1	4.71921691	0.115014143

8556	CDC123	2	1	4.64527854	-0.340928517
8557	CAMK1D	9	1	0.198155907	-0.049832307
8558	OPTN	8	1	-0.128024104	1.55885271
8559	MCM10	10	1	2.488463011	-4.171278201
8560	PHYH	6	1	-0.411379281	-3.176745378
8561	SEPHS1	10	1	4.167973128	-2.088997565
8562	BEND7	8	1	0.679809299	0.274889961
8563	PRPF18	11	1	1.865596977	0.329639319
8564	AL157392.5	1	1	-1.360316905	1.945397176
8565	FRMD4A	7	1	1.942425695	-0.659543239
8566	AL157392.4	17	1	-3.815167102	3.031895436
8567	AL157392.2	6	1	-1.331962738	-3.170206271
8568	FAM107B	7	1	2.931209174	-1.280378662
8569	HSPA14	5	1	1.197142091	-2.745575153
8570	HSPA14.1	5	1	2.410816994	-3.016517841
8571	AC069544.1	20	1	-0.899462792	-4.456525527
8572	SUV39H2	10	1	3.082764712	-3.529429637
8573	DCLRE1C	10	1	3.211693135	-3.088468276
8574	ACBD7	10	1	4.283926096	-3.062786304
8575	RPP38	2	1	3.962465134	-0.353977703
8576	NMT2	3	1	1.048123923	2.252925552
8577	FAM171A1	7	1	1.868083325	-1.467637621
8578	MINDY3	4	1	0.050837345	-0.949717842
8579	PTER	13	1	-3.618235979	-0.178165816
8580	RSU1	2	1	3.767315236	0.614103965
8581	CUBN	12	1	-2.525927219	-2.705835782
8582	TRDMT1	5	1	0.929121104	-2.550310336
8583	VIM-AS1	9	1	0.071580042	-0.45869764
8584	VIM	3	1	2.106059638	4.93372897
8585	HACD1	2	1	3.735234108	0.599349119
8586	STAM-AS1	20	1	-0.872713599	-4.550953113
8587	STAM	7	1	2.132871476	-0.682248794
8588	TMEM236	17	1	-4.799224767	3.253156222
8589	MRC1	19	2	-7.290135774	0.291798956
8590	AL450384.2	5	1	0.30976167	-2.75210806
8591	NSUN6	5	1	1.486235705	-2.835459911
8592	ARL5B	1	1	-1.194091949	0.938003994
8593	PLXDC2	13	1	-3.558471117	-0.652167879
8594	NEBL	15	1	-4.012526426	-1.672932349
8595	CASC10	12	1	-3.102612648	-1.937443935
8596	MLLT10	9	1	0.263810691	-0.618716799
8597	DNAJC1	14	1	-1.148315105	3.894768037
8598	COMMD3	2	1	3.582800475	1.261046685

8599	BMI1	4	1	-0.304637495	-1.067883812
8600	PIP4K2A	4	1	-0.148660812	-1.46470543
8601	MSRB2	3	1	1.902316895	5.102388181
8602	OTUD1	1	1	-1.886163864	2.818126954
8603	KIAA1217	15	1	-3.702275905	-0.894031368
8604	ARHGAP21	11	1	1.94624981	0.712573208
8605	PRTFDC1	6	1	0.52996805	-3.317975246
8606	ENKUR	20	1	-1.336303625	-4.242519103
8607	THNSL1	6	1	-0.20560174	-3.165950977
8608	PDSS1	10	1	2.152085867	-3.428745471
8609	ABI1	8	1	0.293857333	1.350187517
8610	ANKRD26	7	1	2.874144879	-1.008891903
8611	YME1L1	14	1	0.131775398	2.56853918
8612	MASTL	10	1	2.888856259	-4.05074092
8613	ACBD5	8	1	1.063852277	0.421431415
8614	RAB18	2	1	3.226589766	0.551160507
8615	MKX	15	1	-3.885916862	-0.334432505
8616	MPP7	4	1	-0.761033329	-1.261512123
8617	WAC-AS1	2	1	4.047674742	0.911287881
8618	WAC	8	1	0.626052824	1.477701343
8619	BAMBI	15	1	-4.635847005	-1.28524109
8620	SVIL	4	1	-1.226554903	-1.22869166
8621	JCAD	15	1	-4.234975252	-0.20986303
8622	MTPAP	5	1	0.658162263	-2.138092242
8623	MAP3K8	15	1	-4.322793397	0.006334074
8624	ZNF438	4	1	-1.336515102	-0.497926317
8625	ZEB1-AS1	15	1	-3.811136875	-1.714883052
8626	ZEB1	14	1	-0.519908163	2.719924249
8627	ARHGAP12	8	1	0.304331806	0.697759814
8628	KIF5B	16	1	2.815929499	3.650554456
8629	EPC1	6	1	-0.941887114	-3.340516292
8630	CCDC7	1	1	-1.321337494	1.136736907
8631	AL365203.2	4	1	-0.929952714	-1.428138219
8632	ITGB1	3	1	1.282894698	4.789006509
8633	NRP1	14	1	0.087235448	2.625483073
8634	PARD3	8	1	0.0967296	0.495707914
8635	CUL2	2	1	3.100430337	-0.440981768
8636	CREM	17	1	-4.565626058	2.677596368
8637	CCNY	8	1	1.286880103	0.876689859
8638	AL117336.3	9	1	-0.827879641	0.009970732
8639	GJD4	17	1	-4.762437734	3.250403441
8640	FZD8	18	1	-3.522042665	1.653144158
8641	ZNF248	1	1	-2.020973596	1.947431005

8642	ZNF25	1	1	-1.951406273	1.239628471
8643	ZNF33A	1	1	-1.310591254	1.161533154
8644	ZNF37A	11	1	1.811104146	-0.19445964
8645	AL117339.5	1	1	-1.789214525	2.586856402
8646	ZNF33B	12	1	-2.001777801	-1.939262592
8647	BMS1	2	1	3.846578684	-0.786858045
8648	RET	4	1	-0.833007011	-0.893877946
8649	AC010864.1	20	1	-1.332651648	-4.273837291
8650	SGALNAC7	8	1	0.78329834	1.127436377
8651	HNRNPF	16	1	2.758220282	3.481777943
8652	AL450326.1	6	1	-1.574120078	-3.31383916
8653	ZNF487	13	1	-2.076241407	0.547856651
8654	ZNF239	6	1	-0.170870322	-3.264781676
8655	ZNF485	5	1	0.742102471	-2.161139451
8656	ZNF32	15	1	-3.698391828	-2.230637752
8657	LINC00619	10	1	4.432529536	-2.96264454
8658	CXCL12	8	1	0.98561987	-0.012075179
8659	RASSF4	1	1	-2.480832729	1.848393716
8660	DEPP1	1	1	-1.708331141	2.419367112
8661	ZNF22	2	1	4.298139182	-0.489224576
8662	ALOX5	19	2	-7.409233484	0.247172333
8663	8-Mar	9	1	-1.80885807	-0.091853701
8664	ZFAND4	5	1	0.469083634	-2.412441455
8665	WASHC2C	6	1	-0.603002402	-2.415879213
8666	AGAP4	9	1	-0.453986946	-0.626772247
8667	TIMM23	7	1	2.973296967	-0.928009592
8668	NCOA4	17	1	-3.395470533	2.269768871
8669	ANXA8L1	12	1	-2.693353805	-1.484653555
8670	LINC00842	12	1	-2.477278861	-1.005071603
8671	SYT15	13	1	-2.652687702	0.036712892
8672	AL356056.2	1	1	-2.217721614	1.931500472
8673	AL356056.1	12	1	-3.213125143	-1.779765807
8674	PTPN20	15	1	-3.410657081	-1.721967899
8675	ZNF488	10	1	2.190364209	-4.29802724
8676	ANXA8	13	1	-2.255071792	-0.590556227
8677	AGAP9	9	1	-0.666544232	-0.314300738
8678	AC245041.2	12	1	-2.331316385	-1.83940693
8679	MAPK8	11	1	1.07116541	-1.071894489
8680	ARHGAP22	7	1	3.331826535	-1.575678908
8681	VSTM4	18	1	-3.311034116	1.028378226
8682	ERCC6	6	1	-0.851393673	-2.139811002
8683	PARG	5	1	0.133363177	-2.228130304
8684	TIMM23B	4	1	-0.255546096	-1.259331189

8685	AGAP6	4	1	-0.309599313	-0.856226884
8686	WASHC2A	6	1	-0.531859014	-2.500572406
8687	SGMS1	6	1	-0.881503853	-2.86968299
8688	ASAH2B	4	1	-0.494041595	-0.977291309
8689	PRKG1	12	1	-3.293877277	-1.881946527
8690	CSTF2T	5	1	1.660971013	-2.959724866
8691	DKK1	2	1	4.711083499	0.999935068
8692	LINC01468	6	1	-2.076952371	-2.939515792
8693	ZWINT	10	1	3.4318746	-3.25385686
8694	IPMK	1	1	-1.82943252	2.400186099
8695	CISD1	2	1	4.189705935	-0.550265454
8696	UBE2D1	2	1	3.413994399	-0.446900748
8697	TFAM	7	1	3.984955397	-1.56642624
8698	BICC1	12	1	-2.141439828	-1.875749789
8699	FAM13C	17	1	-3.458106431	2.191175498
8700	SLC16A9	6	1	-0.265680465	-2.963066302
8701	CCDC6	8	1	1.497049418	1.111869134
8702	ANK3	15	1	-3.645862493	-2.363592349
8703	CDK1	10	1	3.733323422	-3.72266122
8704	RHOBTB1	9	1	-1.661037597	0.131555371
8705	CABCOCO	15	1	-3.872593793	-1.818680488
8706	ARID5B	3	1	1.750830975	4.342123784
8707	RTKN2	10	1	3.54235777	-3.725344382
8708	ZNF365	6	1	-2.576860342	-3.150145255
8709	ADO	5	1	0.606132117	-1.958107196
8710	EGR2	15	1	-4.352884206	0.037870534
8711	NRBF2	8	1	0.836608437	1.75199274
8712	JMJD1C	11	1	2.069929448	0.321640618
8713	REEP3	11	1	2.428930607	0.19652202
8714	LINC01515	10	1	3.236261693	-3.460338555
8715	LRRTM3	18	1	-3.555748615	1.504341043
8716	DNAJC12	15	1	-3.977995309	0.138358094
8717	AL133551.1	20	1	-0.824021611	-4.617384158
8718	SIRT1	11	1	0.54945108	-1.24860891
8719	HERC4	14	1	-0.143144596	2.728639878
8720	MYPN	5	1	1.358794418	-1.95042225
8721	PBLD	12	1	-2.824460659	-1.669912301
8722	HNRNPH3	16	1	3.065133658	3.127436437
8723	RUFY2	7	1	2.624021378	-0.653609
8724	DNA2	10	1	2.746620265	-3.988575183
8725	SLC25A16	6	1	-0.585842165	-2.598188363
8726	TET1	18	1	-2.853658828	2.006686128
8727	CCAR1	7	1	3.375408021	-0.736439668

8728	STOX1	10	1	2.633220759	-3.975531779
8729	DDX50	14	1	-0.082102071	3.425529279
8730	DDX21	16	1	3.120562163	3.282732524
8731	KIF1BP	7	1	3.211341229	-1.530087315
8732	SRGN	8	1	0.757736054	0.63578967
8733	VPS26A	7	1	3.022481528	-0.499863468
8734	SUPV3L1	11	1	0.88668355	-0.896481
8735	HK1	11	1	2.216075268	-0.058379136
8736	TSPAN15	15	1	-4.384351644	-0.703491889
8737	FAM241B	12	1	-2.307438049	-2.235058509
8738	COL13A1	11	1	1.540548053	-0.391967796
8739	H2AFY2	6	1	-1.011848363	-3.342035733
8740	AIFM2	7	1	2.079894629	-2.550175153
8741	TYSND1	5	1	0.864716259	-1.521707259
8742	SAR1A	3	1	1.881253925	4.639061726
8743	PPA1	3	1	2.258583632	4.294154681
8744	LRRC20	5	1	1.447959986	-2.539049827
8745	EIF4EBP2	14	1	-0.978758845	2.700755156
8746	SGPL1	9	1	-0.958954546	-0.148433529
8747	PCBD1	2	1	3.408337203	0.348807309
8748	UNC5B	13	1	-3.039483699	-0.395854436
8749	UNC5B-AS1	12	1	-3.168394002	-1.387068592
8750	SLC29A3	12	1	-3.035544786	-1.349122845
8751	VSIR	1	1	-1.284931573	2.748645104
8752	PSAP	3	1	0.687851992	4.506222047
8753	CHST3	4	1	0.135434729	-1.995800458
8754	ASCC1	9	1	-1.188103947	0.162539445
8755	ANAPC16	3	1	2.633594838	5.251480378
8756	DDIT4	3	1	1.029514638	4.576410092
8757	DDIT4-AS1	14	1	-0.319075111	3.023109711
8758	DNAJB12	2	1	4.197046843	-0.228612565
8759	MICU1	14	1	-1.2279847	2.983570851
8760	MCU	1	1	-0.234098914	2.123260177
8761	P4HA1	3	1	0.926783112	4.6185892
8762	AL731563.3	9	1	-0.58313522	0.425931215
8763	AC016394.2	5	1	0.743570295	-2.756738149
8764	ECD	5	1	1.75134429	-2.107794248
8765	FAM149B1	9	1	-1.248464021	0.528084166
8766	DNAJC9	10	1	2.511040297	-3.330733501
8767	MRPS16	16	1	3.977090683	3.066453971
8768	AC016394.1	11	1	0.717393306	-1.247536384
8769	CFAP70	12	1	-3.227238092	-1.248955809
8770	ANXA7	2	1	4.243309107	-0.357697331

8771	MSS51	1	1	-1.352806601	1.606256999
8772	PPP3CB	11	1	2.13523325	0.132248364
8773	USP54	9	1	-0.379127595	0.603781529
8774	AC073389.1	20	1	-1.065824065	-4.381797515
8775	MYOZ1	12	1	-2.747389469	-1.727172576
8776	SYNPO2L	12	1	-2.743913564	-2.050789319
8777	SEC24C	4	1	0.336926815	-0.968016826
8778	FUT11	1	1	-1.337228093	2.36327628
8779	CHCHD1	2	1	4.755030718	1.038349785
8780	ZSWIM8	9	1	-1.309173259	0.142269827
8781	NDST2	12	1	-2.909539375	-2.357891999
8782	CAMK2G	4	1	-0.084909986	-1.261154734
8783	PLAU	11	1	0.89041653	-0.272041522
8784	VCL	3	1	1.48258349	3.741101302
8785	AP3M1	5	1	0.6822907	-1.677754604
8786	ADK	7	1	3.549334612	-1.23565384
8787	KAT6B	8	1	1.072853532	0.851526983
8788	SAMD8	1	1	-0.490676794	1.389655508
8789	VDAC2	3	1	2.356358614	4.764581956
8790	COMTD1	6	1	-1.722968492	-2.521838628
8791	ZNF503	1	1	-2.683756265	2.015554227
8792	ZNF503-AS1	12	1	-2.828119192	-1.407084786
8793	LRMDA	19	2	-6.69008151	0.117376186
8794	KCNMA1	2	1	4.553964701	-0.207581721
8795	AL450306.1	4	1	-0.469323847	-1.069340073
8796	DLG5	4	1	-0.389205667	-1.49200543
8797	POLR3A	7	1	1.842558351	-1.632891856
8798	RPS24	3	1	1.951031533	5.49370984
8799	ZMIZ1-AS1	18	1	-3.673718605	1.51564566
8800	ZMIZ1	14	1	-0.797054324	2.395436086
8801	PPIF	7	1	3.163762656	-1.127649866
8802	ZCCHC24	9	1	-1.318608794	0.246229358
8803	EIF5AL1	5	1	1.287760821	-1.652996265
8804	UTM2B-AS1	11	1	2.264440861	-0.208178066
8805	AL135925.1	12	1	-3.281378421	-2.574059449
8806	TMEM254	13	1	-2.601105604	-0.009926371
8807	PLAC9	15	1	-3.851444396	-1.117428147
8808	ANXA11	3	1	2.570602265	4.467597283
8809	FAM213A	6	1	-1.539544615	-2.954851829
8810	TSPAN14	7	1	1.758262244	-0.770799719
8811	GHITM	3	1	1.82435998	4.595542229
8812	CCSER2	8	1	1.114240613	1.029253818
8813	GRID1	15	1	-4.813174638	-1.07464584

8814	WAPL	11	1	2.119052735	0.32927721
8815	AL731569.1	4	1	0.025493689	-1.138555013
8816	LDB3	8	1	-0.331110063	1.267019011
8817	BMPR1A	4	1	-0.47559658	-1.260804974
8818	SNCG	12	1	-1.980617437	-1.71765133
8819	ADIRF	6	1	-1.186790738	-3.465331756
8820	GLUD1	8	1	0.99491128	1.795393981
8821	SHLD2	7	1	1.853125539	-1.397402726
8822	UTM2A-AS	6	1	-1.657806191	-3.134387456
8823	MINPP1	4	1	-0.687407646	-1.892066919
8824	PAPSS2	3	1	1.202677455	3.976027526
8825	ATAD1	8	1	0.214739856	1.611347116
8826	PTEN	14	1	-1.349793229	3.080020465
8827	RNLS	13	1	-3.080732021	-0.008933239
8828	ANKRD22	17	1	-2.918304834	2.815928496
8829	STAMBPL1	5	1	1.217176524	-1.396190368
8830	ACTA2-AS1	13	1	-3.04906598	-0.623675548
8831	ACTA2	3	1	2.008239713	4.630566872
8832	FAS	8	1	0.741935936	0.298320807
8833	LIPA	13	1	-2.51913372	-0.048296325
8834	IFIT2	4	1	-1.897617373	-1.526359521
8835	AL353751.1	4	1	-1.964220199	-1.259860479
8836	IFIT3	9	1	-0.041162889	-0.128439151
8837	IFIT1	12	1	-1.78413609	-2.207026683
8838	IFIT5	4	1	0.104520094	-1.855667316
8839	SLC16A12	8	1	0.550859836	1.179099239
8840	PANK1	9	1	-1.170416388	-0.263394438
8841	KIF20B	10	1	4.195965853	-3.452978812
8842	LINC00865	15	1	-4.668102655	-1.355514728
8843	HTR7	12	1	-2.64104	-2.767961465
8844	RPP30	7	1	3.976970044	-1.557393752
8845	ANKRD1	6	1	-1.948210153	-2.557115756
8846	PCGF5	11	1	1.383798328	-0.530477368
8847	HECTD2	4	1	-1.52342597	-1.612882219
8848	PPP1R3C	18	1	-3.672768506	1.24526266
8849	TNKS2	11	1	1.680213776	0.517893918
8850	BTAF1	9	1	-0.29140273	-0.449002587
8851	CPEB3	4	1	-1.023713502	-0.846538745
8852	5-Mar	11	1	2.815055218	-0.325398766
8853	IDE	4	1	-0.399957839	-0.843669497
8854	KIF11	10	1	4.118200865	-3.586839162
8855	HHEX	8	1	0.897538033	0.627224855
8856	EXOC6	11	1	1.258640852	-0.592749678

8857	MYOF	3	1	1.422889557	3.748021401
8858	CEP55	10	1	4.405725565	-3.163134776
8859	RBP4	13	1	-3.494771633	-0.493680619
8860	FRA10AC1	3	1	1.708064881	1.96001891
8861	SLC35G1	6	1	-1.027168545	-2.056571685
8862	PLCE1	5	1	0.905181971	-2.974709235
8863	PLCE1-AS1	6	1	-2.290788326	-2.863679372
8864	NOC3L	7	1	3.538086978	-0.97098168
8865	TBC1D12	5	1	-0.374606106	-2.476575814
8866	HELLS	10	1	2.618918267	-3.943365775
8867	PDLIM1	8	1	0.721278575	1.252002574
8868	SORBS1	1	1	-0.79131833	2.195439376
8869	ALDH18A1	14	1	-0.502595756	3.081009425
8870	TCTN3	6	1	-0.615495715	-2.729657136
8871	ENTPD1	19	2	-7.199364099	0.233452789
8872	ENTPD1-AS1	5	1	1.226220336	-3.052452766
8873	CCNJ	11	1	0.871636835	-1.39864
8874	ZNF518A	9	1	-0.670221302	0.437438696
8875	TM9SF3	3	1	2.247152892	2.867252625
8876	LCOR	11	1	1.437269178	0.15082813
8877	ARHGAP19	10	1	3.984399643	-3.306516133
8878	FRAT2	9	1	-0.917125437	0.363635644
8879	RRP12	5	1	1.733940092	-1.909423791
8880	PGAM1	3	1	2.20813736	4.499991692
8881	EXOSC1	2	1	4.422598448	0.720000006
8882	ZDHHC16	2	1	4.112633315	0.386220521
8883	MMS19	9	1	-0.721691701	0.008655615
8884	UBTD1	12	1	-2.290320787	-1.69908496
8885	ANKRD2	6	1	-1.803720746	-3.32334014
8886	HOGA1	4	1	-2.062177333	-1.184045874
8887	MORN4	12	1	-2.548853549	-1.251548849
8888	PI4K2A	4	1	-0.682558033	-1.083628856
8889	AVPI1	1	1	-1.998945627	2.378062524
8890	MARVELD	13	1	-2.952030096	-0.455723308
8891	ZFYVE27	9	1	-0.706045124	0.221414409
8892	GOLGA7B	17	1	-4.79233447	3.225886144
8893	R3HCC1L	11	1	0.519867775	-1.140136562
8894	LOXL4	13	1	-3.177648696	-0.294503831
8895	PYROXD2	13	1	-2.292202863	-0.914197885
8896	HPS1	2	1	3.7671307	0.472084187
8897	GOT1	2	1	4.174696532	-0.303425633
8898	AL391684.1	1	1	-0.457388851	1.363762177
8899	SLC25A28	9	1	-0.245576981	0.30218295

8900	AL133353.1	6	1	-1.075704131	-3.38774892
8901	ENTPD7	9	1	-1.696115765	0.170537986
8902	CUTC	7	1	3.120258894	-0.919040881
8903	COX15	1	1	-1.093268904	1.322736002
8904	DNMBP	6	1	-0.511518511	-2.23832842
8905	ERLIN1	7	1	2.848358002	-1.242645942
8906	CHUK	5	1	0.759016004	-2.205893003
8907	CWF19L1	10	1	2.958031979	-3.222643577
8908	BLOC1S2	2	1	4.070186224	0.456975482
8909	SCD	14	1	0.26614694	3.775506295
8910	OLMALINC	1	1	-1.200274381	1.649697222
8911	SEC31B	1	1	-1.482977066	1.321116544
8912	NDUFB8	16	1	3.650804368	3.868989028
8913	HIF1AN	4	1	-0.751745078	-0.546593391
8914	SLF2	11	1	1.491313425	-0.304995559
8915	MRPL43	2	1	4.725733843	1.084636904
8916	SEMA4G	13	1	-2.263687047	0.726893104
8917	TWNK	5	1	1.579812017	-1.691428863
8918	LZTS2	1	1	-0.805746588	2.179641403
8919	SFXN3	9	1	-1.024180803	0.665254958
8920	AL133215.2	10	1	3.233949032	-3.670782291
8921	KAZALD1	15	1	-3.677053365	-2.134644948
8922	BTRC	9	1	-1.105555686	-0.076330237
8923	DPCD	2	1	3.908449736	1.229945399
8924	POLL	1	1	-2.14120737	1.455450572
8925	FBXW4	1	1	-1.445157799	0.800571538
8926	NPM3	2	1	4.30240306	-0.675018035
8927	OGA	14	1	-0.279003832	2.758389748
8928	ARMH3	4	1	-0.758943054	-1.710486613
8929	HPS6	5	1	-0.066750164	-2.410515033
8930	LDB1	4	1	-1.103831324	-1.655179464
8931	PPRC1	7	1	1.975988713	-2.035218679
8932	NOLC1	7	1	3.470486489	-1.161537014
8933	ELOVL3	18	1	-3.617755804	0.987797238
8934	GBF1	8	1	0.152175505	2.10305015
8935	NFKB2	14	1	-1.046886954	2.613070763
8936	PSD	9	1	-0.402425709	1.059371449
8937	FBXL15	2	1	3.678326216	0.860635765
8938	CUEDC2	16	1	3.533447352	4.274763383
8939	MFSD13A	4	1	-0.80996165	-1.198749386
8940	ACTR1A	2	1	4.3890129	-0.060827248
8941	SUFU	4	1	-1.198490533	-1.139384113
8942	TRIM8	8	1	0.208873701	1.614897646

8943	ARL3	16	1	3.614224282	3.691168345
8944	SFXN2	5	1	1.394947496	-2.428973161
8945	WBP1L	13	1	-2.723319444	-0.834486924
8946	BORCS7	15	1	-3.859229717	-2.176042043
8947	CNNM2	1	1	-0.7184746	1.137744643
8948	NT5C2	8	1	0.393216816	1.153099395
8949	INA	12	1	-2.071864519	-2.646278821
8950	PCGF6	5	1	1.821850029	-2.884576284
8951	TAF5	10	1	3.458501902	-3.579639159
8952	ATP5MD	3	1	2.321001616	5.16284398
8953	PDCD11	7	1	3.316316929	-1.160365425
8954	CALHM2	13	1	-2.27806178	0.731787957
8955	AL139339.2	5	1	0.942516413	-1.906178914
8956	SH3PXD2A	14	1	-0.539230618	3.275247849
8957	STN1	14	1	-1.199722323	3.304950513
8958	SLK	11	1	2.532846776	-0.056119971
8959	COL17A1	5	1	1.514687505	-2.424227677
8960	SFR1	5	1	2.018965211	-3.028143607
8961	GSTO1	16	1	3.097955552	3.934058226
8962	GSTO2	18	1	-3.380674276	1.73216597
8963	ITPRIP	1	1	-0.697308931	1.776549138
8964	CFAP58	8	1	0.640346494	0.354566892
8965	XPNPEP1	4	1	0.184269023	-1.343104921
8966	ADD3	11	1	1.328678337	0.335523054
8967	MXI1	1	1	-1.889597806	3.175783433
8968	SMNDC1	8	1	1.100102869	2.048686303
8969	AL355512.1	5	1	0.055848867	-2.585719787
8970	DUSP5	11	1	0.671443251	-1.100413524
8971	SMC3	7	1	3.90397152	-1.753579103
8972	PDCD4-AS1	15	1	-3.821427497	-1.364211522
8973	PDCD4	14	1	-0.132408443	2.764666594
8974	BBIP1	2	1	3.302186337	0.313567765
8975	SHOC2	8	1	1.148528424	1.449073232
8976	ADRA2A	15	1	-4.571508321	-1.412642561
8977	GPAM	9	1	-0.814142081	-0.130554281
8978	ZDHHC6	5	1	1.600597706	-2.814412557
8979	VTI1A	5	1	0.909520295	-2.21942588
8980	TCF7L2	13	1	-3.19684473	-0.272244357
8981	CASP7	11	1	0.647442129	-1.247953855
8982	DCLRE1A	10	1	2.137938824	-3.40426632
8983	NHLRC2	11	1	0.857775834	-0.673021756
8984	CCDC186	14	1	-0.77683768	2.72393278
8985	ABLIM1	8	1	0.00354812	1.386748709

8986	FAM160B1	9	1	-0.3294462	-0.567607902
8987	TRUB1	5	1	0.398166147	-1.997561895
8988	ATRNL1	10	1	1.427197304	-4.066903316
8989	GFRA1	8	1	0.486861077	1.294310309
8990	HSPA12A	7	1	1.988325086	-1.258708082
8991	SHTN1	4	1	-1.808562908	-0.933001839
8992	AL391988.1	17	1	-4.808961782	2.666485108
8993	PDZD8	11	1	2.042754975	-0.045415096
8994	EMX2OS	15	1	-4.36979762	-0.848674141
8995	EMX2	15	1	-4.413519296	-0.835146629
8996	RAB11FIP2	9	1	0.100142699	-0.06072449
8997	FAM204A	2	1	4.48940238	0.182121567
8998	PRLHR	1	1	-1.744493994	2.234321512
8999	CACUL1	11	1	1.616081682	-0.146311544
9000	NANOS1	12	1	-3.074711236	-1.900450908
9001	EIF3A	16	1	2.867282477	3.247698821
9002	FAM45A	14	1	-1.230261597	3.638797559
9003	SFXN4	2	1	3.962782231	-0.66974064
9004	PRDX3	16	1	3.689508763	3.254551448
9005	GRK5	9	1	-1.41706315	0.155922107
9006	RGS10	3	1	1.764955845	4.443447388
9007	TIAL1	8	1	1.233753648	1.838255442
9008	BAG3	7	1	2.223119822	-0.706124626
9009	INPP5F	1	1	-2.04922882	2.206586517
9010	MCMBP	11	1	1.851190773	-0.22408434
9011	SEC23IP	14	1	-0.013930667	2.417013682
9012	PLPP4	12	1	-2.642855319	-2.014423572
9013	WDR11	14	1	-0.33083925	2.408963956
9014	FGFR2	12	1	-3.076664123	-1.67163869
9015	ATE1	6	1	0.058859973	-3.070882283
9016	NSMCE4A	7	1	3.879980412	-1.644442044
9017	TACC2	5	1	0.833705154	-1.518577777
9018	PLEKHA1	9	1	-0.34157944	1.075774051
9019	HTRA1	3	1	0.263445255	4.515078343
9020	FAM24B	8	1	0.35564324	0.294934399
9021	C10orf88	9	1	-0.117278951	0.305995039
9022	PSTK	4	1	0.034447563	-1.929840528
9023	IKZF5	9	1	-0.714731845	0.715604998
9024	ACADSB	5	1	0.186379951	-2.509381972
9025	BUB3	10	1	3.684121933	-2.416344844
9026	CPXM2	1	1	-2.379945192	1.963176287
9027	CHST15	12	1	-2.100505743	-1.91809889
9028	OAT	14	1	-0.286008093	3.366672314

9029	LHPP	13	1	-2.933268699	-0.793402277
9030	FAM53B	4	1	-0.19195776	-0.819527589
9031	EF1AKMT	10	1	3.849031058	-2.766257249
9032	ABRAXAS2	7	1	1.972713676	-1.611239992
9033	ZRANB1	8	1	0.433721003	1.368898369
9034	AL731577.1	18	1	-3.51879755	1.767509497
9035	CTBP2	7	1	3.115590897	-0.881101571
9036	EDRF1	5	1	1.279909578	-1.959422551
9037	UROS	2	1	4.131306735	1.108024515
9038	BCCIP	7	1	3.885313359	-1.091757141
9039	DHX32	9	1	-0.37322292	-0.509503089
9040	FANK1	13	1	-3.339483413	-0.579157077
9041	ADAM12	13	1	-3.565899286	-0.533932947
9042	DOCK1	8	1	1.182553497	1.317105092
9043	PTPRE	18	1	-3.249652538	1.6047552
9044	MKI67	10	1	4.236089793	-3.399245464
9045	MGMT	2	1	3.917030421	1.327638425
9046	EBF3	8	1	0.87101331	0.667837031
9047	C10orf143	15	1	-3.92114583	-2.102823459
9048	GLRX3	2	1	4.474472132	-0.661819302
9049	PPP2R2D	7	1	2.345903245	-1.507929646
9050	BNIP3	3	1	1.202268806	4.354662217
9051	DPYSL4	13	1	-3.113916072	0.149844982
9052	STK32C	1	1	-2.542633447	1.2909346
9053	LRRC27	15	1	-3.547028455	-1.144392334
9054	PWWP2B	4	1	-1.18776277	-0.659175717
9055	AL451069.1	8	1	0.663862076	0.879565038
9056	INPP5A	4	1	-0.684921238	-1.359902583
9057	NKX6-2	10	1	2.029763189	-4.30163642
9058	CFAP46	6	1	-0.316166791	-3.444010698
9059	KNDC1	12	1	-3.112271461	-1.292138301
9060	TUBGCP2	2	1	3.721515503	-0.67930492
9061	ZNF511	2	1	4.568167296	-0.230767034
9062	CALY	13	1	-2.757923278	-0.669884406
9063	FUOM	2	1	4.117016402	0.884505249
9064	ECHS1	16	1	3.939255324	3.373112
9065	PAOX	6	1	-1.13610867	-2.555144273
9066	MTG1	5	1	0.940410343	-2.458713971
9067	SPRN	4	1	-2.063283596	-0.928488575
9068	SLC6A12	17	1	-4.814901742	3.159100093
9069	SLC6A13	17	1	-4.777122888	3.093293942
9070	KDM5A	8	1	0.776520279	1.6192706
9071	CCDC77	10	1	3.577789155	-3.571045362

9072	AC021054.1	13	1	-3.315372858	0.443599954
9073	WNK1	8	1	0.941597846	1.498838223
9074	RAD52	9	1	-0.321319345	-0.162086807
9075	AC004803.1	18	1	-3.02600399	1.042495824
9076	ERC1	11	1	1.584994879	0.924231268
9077	WNT5B	8	1	1.12851533	0.493199184
9078	FBXL14	1	1	-2.246206674	2.715391911
9079	ADIPOR2	11	1	1.285118785	-0.671730481
9080	DCP1B	4	1	-1.392635855	-0.501614474
9081	CACNA1C	4	1	-1.894119176	-0.714022242
9082	FKBP4	7	1	4.118243304	-1.069172465
9083	ITFG2	5	1	1.220874157	-2.408338748
9084	FOXM1	10	1	3.969308224	-3.324281417
9085	RHNO1	10	1	3.965908137	-3.373620473
9086	TULP3	7	1	2.685763684	-0.758338772
9087	TEAD4	7	1	2.111759987	-2.10064026
9088	AC125807.2	5	1	0.621008661	-2.282393657
9089	TSPAN9	12	1	-2.324690017	-1.145275556
9090	CRACR2A	6	1	-1.047948155	-3.422258817
9091	PARP11	4	1	-1.23559669	-0.850183211
9092	CCND2	12	1	-3.198424253	-1.653349839
9093	TIGAR	2	1	3.411817637	0.098941125
9094	C12orf4	5	1	0.852111724	-2.691682063
9095	RAD51AP1	10	1	3.416697827	-3.797061645
9096	DYRK4	2	1	3.546295491	1.278837718
9097	NDUFA9	2	1	4.677819815	-0.045488529
9098	NTF3	8	1	-0.05261502	1.189545609
9099	CD9	11	1	1.393331376	0.034016289
9100	TNFRSF1A	14	1	0.004108649	4.390298642
9101	LTBR	13	1	-2.971819314	-0.479831301
9102	TAPBPL	13	1	-2.584052476	-0.115582936
9103	VAMP1	1	1	-2.346650753	1.206061519
9104	MRPL51	16	1	3.648268071	4.240915097
9105	NCAPD2	10	1	4.427801219	-2.963032209
9106	GAPDH	3	1	2.253200617	5.030368604
9107	AC006064.4	1	1	-1.825144085	2.943662919
9108	IFFO1	4	1	-1.023368988	-1.364233457
9109	NOP2	7	1	1.712909904	-1.583491765
9110	CHD4	16	1	2.647542563	3.062641181
9111	ING4	1	1	-2.130170736	2.477655448
9112	ZNF384	9	1	-0.35662562	0.118023969
9113	PIANP	13	1	-2.399281177	-0.713536345
9114	COPS7A	7	1	2.051061717	-0.45222994

9115	MLF2	16	1	3.379323807	4.060942448
9116	PTMS	16	1	3.503056851	3.636522569
9117	LAG3	10	1	3.608367529	-2.859350883
9118	CD4	18	1	-3.545369777	1.657516636
9119	GPR162	4	1	-0.641280684	-1.953913175
9120	P3H3	3	1	0.626160708	4.453880586
9121	GNB3	1	1	-1.011097464	1.183271266
9122	CDCA3	10	1	4.420215216	-3.016128741
9123	USP5	7	1	2.637055483	-1.325681292
9124	TPI1	3	1	2.06304082	4.475997247
9125	SPSB2	6	1	-1.169854674	-3.432550393
9126	LRRC23	13	1	-2.733716878	-0.931919299
9127	ENO2	14	1	-0.787420544	3.389656819
9128	ATN1	8	1	0.247400787	1.890366591
9129	C12orf57	3	1	2.023422924	5.244952954
9130	PHB2	16	1	3.535983887	4.327392615
9131	EMG1	2	1	4.462279406	-0.641164504
9132	EMG1.1	1	1	-0.848524126	1.442782677
9133	LPCAT3	6	1	-1.057757887	-2.74790331
9134	C1S	14	1	-0.809851024	4.114992417
9135	C1R	14	1	-0.825078282	4.062806166
9136	C1RL	18	1	-3.214743289	1.177434958
9137	C1RL-AS1	1	1	-1.952853236	0.788390942
9138	RBP5	1	1	-1.75898436	2.473087348
9139	CLSTN3	1	1	-1.985947523	1.777708806
9140	PEX5	9	1	-0.371543202	-0.243521773
9141	SLC2A14	15	1	-3.412242326	-1.697770797
9142	SLC2A3	1	1	-1.863242421	3.01308731
9143	FOXJ2	4	1	-0.063265297	-0.896315538
9144	C3AR1	19	2	-7.035279188	0.229856945
9145	NECAP1	9	1	-0.241057637	-0.07721024
9146	FAM66C	13	1	-2.921389732	0.615869663
9147	MFAP5	4	1	-2.055210027	-0.700259648
9148	RIMKLB	9	1	-0.523254427	0.366172489
9149	AC092490.1	13	1	-3.015050802	0.43566779
9150	PHC1	4	1	-0.010577078	-1.690822564
9151	M6PR	2	1	3.209328976	-0.493972443
9152	A2M	19	2	-7.425513181	0.210557855
9153	CLEC2D	1	1	-1.705267105	1.480210103
9154	CLEC2B	19	2	-7.316170129	0.268372066
9155	CLEC7A	19	2	-7.501867685	0.240374543
9156	OLR1	1	1	-0.523845467	1.250813879
9157	GABARAPL	14	1	-1.436589393	3.125445165

9158	KLRD1	1	1	-2.28156558	2.906448878
9159	AC022075.1	15	1	-4.141452226	-0.876788222
9160	MAGOHB	7	1	4.125035372	-1.087029539
9161	STYK1	5	1	1.531566706	-1.792777774
9162	YBX3	3	1	1.82872614	4.34992484
9163	PRH1	5	1	-0.368741873	-2.530358039
9164	AC006518.7	12	1	-2.419114742	-1.240976297
9165	TAS2R14	4	1	-1.030796203	-1.728782617
9166	TAS2R31	9	1	-0.314170751	-0.111282341
9167	TAS2R30	9	1	-0.51340166	0.374703759
9168	SMIM10L1	2	1	4.167749014	0.691520162
9169	LINC01252	13	1	-2.362579259	0.581536494
9170	ETV6	8	1	-0.131900284	1.725060738
9171	LRP6	9	1	-0.01748253	-0.668395244
9172	MANSC1	12	1	-2.833785448	-2.251215182
9173	LOH12CR2	15	1	-3.427814397	-1.761214458
9174	BORCS5	9	1	-0.102684084	-0.099819653
9175	DUSP16	9	1	-0.261453214	0.81062404
9176	CREBL2	9	1	-1.412741813	0.210840784
9177	GPR19	10	1	2.418870297	-4.491750442
9178	CDKN1B	10	1	4.012065735	-2.892375432
9179	APOLD1	10	1	4.25357112	-3.247565471
9180	DDX47	4	1	0.337688413	-1.238106691
9181	GPRC5A	4	1	-0.062305357	-1.227487408
9182	GPRC5D-AS	8	1	0.348846373	0.346743751
9183	HEBP1	14	1	-1.395080838	3.622539557
9184	FAM234B	9	1	-0.564838681	-0.592532359
9185	EMP1	5	1	1.632114854	-1.887787782
9186	ATF7IP	14	1	-0.030316691	2.185309924
9187	PLBD1	19	2	-6.707697782	0.06334392
9188	HIST4H4	10	1	2.015630928	-4.387897693
9189	H2AFJ	3	1	2.148647872	5.180860318
9190	WBP11	10	1	3.515604821	-2.838251077
9191	SMCO3	15	1	-4.688852224	-1.132101499
9192	ART4	15	1	-3.562050733	-1.583723627
9193	MGP	15	1	-4.738109502	-0.845582091
9194	ERP27	15	1	-4.775487813	-1.123246156
9195	ARHGDIB	7	1	3.591511813	-0.90101298
9196	RERG	17	1	-4.407630357	2.614895619
9197	EPS8	6	1	-1.320294294	-3.404887162
9198	STRAP	16	1	3.349443045	3.800877847
9199	DERA	7	1	3.492336836	-0.979685031
9200	SLC15A5	1	1	-2.019168767	2.676836051

9201	MGST1	18	1	-3.48553029	1.848271526
9202	LMO3	15	1	-4.618552122	-0.451632224
9203	PLEKHA5	17	1	-2.967556629	2.712617673
9204	AEBP2	9	1	-0.471550855	0.783179231
9205	AC024901.1	8	1	0.775260177	0.737064756
9206	PDE3A	15	1	-4.594482336	-1.395299517
9207	SLCO1C1	6	1	-2.632852706	-3.162451469
9208	PYROXD1	5	1	0.827099827	-2.620349609
9209	RECQL	7	1	2.930666533	-1.323233925
9210	GOLT1B	14	1	-0.28906453	3.365574635
9211	SPX	3	1	1.228639212	2.49244336
9212	LDHB	3	1	2.863777009	4.101378001
9213	KCNJ8	1	1	-1.311623606	2.150367893
9214	CMAS	2	1	3.080162373	-0.214607917
9215	C2CD5	9	1	0.27880871	-0.20463451
9216	ETNK1	8	1	0.683147338	1.41254989
9217	SOX5	15	1	-4.296960268	-0.036187284
9218	BCAT1	3	1	0.984022584	3.606398619
9219	ETFRF1	15	1	-3.576093349	-2.208018266
9220	KRAS	7	1	2.910713044	-0.565607451
9221	AC087239.1	1	1	-1.981819305	1.248768903
9222	RASSF8-AS1	6	1	-1.288498315	-3.319436513
9223	RASSF8	11	1	1.976531711	0.415388733
9224	BHLHE41	8	1	-0.076252478	1.385965861
9225	SSPN	15	1	-3.814885292	0.270389423
9226	ITPR2	8	1	0.410094497	2.18380443
9227	INTS13	8	1	1.534985867	1.150762655
9228	FGFR1OP2	8	1	0.820026603	1.70600418
9229	TM7SF3	14	1	-0.152808058	2.646099366
9230	MED21	7	1	3.365260449	-1.57963749
9231	AC092747.4	9	1	-0.687826547	-0.280248486
9232	STK38L	14	1	-0.455956462	2.511101045
9233	ARNTL2	8	1	0.828196254	1.779552616
9234	SMCO2	1	1	-1.145491633	2.022801555
9235	PPFIBP1	14	1	-1.061193976	2.839406289
9236	AC087257.1	9	1	-0.445924553	0.682681687
9237	REP15	6	1	-0.976639542	-2.896731816
9238	MRPS35	2	1	4.205247489	-0.543785475
9239	AC009511.2	4	1	-0.710905406	-0.61734166
9240	KLHL42	8	1	0.21621522	1.986495532
9241	PTHLH	18	1	-3.779070529	1.065198637
9242	AC008011.2	6	1	-2.376042041	-3.527188264
9243	CCDC91	2	1	3.984172192	0.535027541

9244	AC022364.1	12	1	-2.966345224	-1.14990779
9245	FAR2	6	1	-0.788182351	-2.369981729
9246	AC009318.3	6	1	-1.169697437	-2.739592754
9247	AC009318.2	12	1	-2.715858135	-1.33070346
9248	ERGIC2	7	1	3.700360623	-0.870779716
9249	IPO8	11	1	0.829628614	-0.441022001
9250	CAPRIN2	4	1	0.084133484	-1.932247125
9251	LINC00941	6	1	-1.669184122	-2.977997981
9252	DDX11-AS1	10	1	2.269350853	-3.844926559
9253	DDX11	10	1	2.674377766	-3.9261119
9254	SINHCAF	8	1	1.689119187	1.5064191
9255	DENND5B	1	1	-2.415356073	1.183536328
9256	ETFBKMT	12	1	-2.754230413	-2.659469091
9257	AMN1	4	1	0.310084042	-1.139962517
9258	AC023157.3	17	1	-4.681110296	3.171877421
9259	KIAA1551	5	1	0.875823525	-1.528230988
9260	BICD1	11	1	1.349596348	-0.424918138
9261	FGD4	6	1	-1.734777603	-3.168292009
9262	DNM1L	11	1	2.559957114	-0.152239941
9263	YARS2	2	1	3.486502734	-0.572701358
9264	PKP2	13	1	-3.623458299	-0.698001586
9265	ALG10	10	1	2.634131279	-3.596870147
9266	ALG10B	5	1	1.765085784	-2.749608241
9267	CPNE8	5	1	-0.330982092	-2.353659831
9268	KIF21A	6	1	-0.412226591	-2.699978553
9269	SLC2A13	1	1	-1.940216455	1.935681022
9270	AC079630.1	15	1	-4.131510171	-1.657844268
9271	CNTN1	6	1	-1.687317523	-3.361369811
9272	PDZRN4	6	1	-2.578793678	-3.427037917
9273	GXYLT1	5	1	1.501619068	-1.420016848
9274	YAF2	7	1	2.170404282	-0.543890797
9275	PPHLN1	2	1	4.401491251	-0.128357373
9276	ZCRB1	3	1	3.143151846	4.423971452
9277	PRICKLE1	4	1	-1.804100904	-0.469238483
9278	AC079601.1	17	1	-4.767781171	3.250600375
9279	ADAMTS20	10	1	1.730223384	-3.836928092
9280	PUS7L	7	1	3.452631083	-1.098309003
9281	IRAK4	8	1	0.760025707	0.821240939
9282	TWF1	11	1	2.258133498	0.01157216
9283	TMEM117	6	1	-1.092932853	-2.004650794
9284	NELL2	6	1	-1.568263564	-3.357837163
9285	ANO6	8	1	0.166647446	2.078140296
9286	AC008124.1	1	1	-1.861256632	0.625633813

9287	ARID2	11	1	0.711584714	-1.152048074
9288	SCAF11	3	1	0.894374457	4.15415696
9289	SLC38A1	3	1	1.456275907	2.665935553
9290	SLC38A2	3	1	1.014428106	4.207922734
9291	AC025031.2	20	1	-0.810453686	-4.592813216
9292	AC008014.1	15	1	-3.471817646	-1.479576789
9293	AC008035.1	12	1	-3.327693376	-1.46760007
9294	SLC38A4	15	1	-3.601384553	-1.164102398
9295	AMIGO2	18	1	-3.638775739	0.510464944
9296	PCED1B	1	1	-1.771767053	1.015514351
9297	RPAP3	2	1	3.107824889	-0.315398537
9298	AC004241.1	13	1	-3.076986227	0.230521016
9299	RAPGEF3	1	1	-1.965782079	1.647351779
9300	SLC48A1	13	1	-1.876028451	-0.474529706
9301	HDAC7	8	1	0.388455865	1.688592709
9302	VDR	18	1	-3.046951684	1.16298113
9303	AC121338.2	15	1	-4.37833539	-0.874650918
9304	TMEM106C	7	1	3.923915234	-1.790883742
9305	SENP1	5	1	2.158124295	-3.070515119
9306	PFKM	9	1	-0.825032804	0.948081411
9307	ASB8	6	1	-0.52897093	-3.112601958
9308	CCDC184	15	1	-3.873684082	-1.184775077
9309	ZNF641	12	1	-3.229267988	-1.863937102
9310	C12orf54	13	1	-3.102177295	-0.992252432
9311	KANSL2	9	1	0.238226277	-0.47483673
9312	CCNT1	9	1	0.1394086	-0.59483286
9313	ADCY6	9	1	-1.105677638	0.387534881
9314	CACNB3	1	1	-1.581499013	2.043121137
9315	DDX23	7	1	2.932093707	-1.09284135
9316	AC073610.3	1	1	-2.341407451	2.930766858
9317	FKBP11	3	1	1.305815545	4.959651746
9318	ARF3	2	1	4.12261447	0.197126783
9319	DDN	17	1	-4.852768812	3.025865115
9320	PRKAG1	2	1	4.218845931	0.639388241
9321	KMT2D	4	1	-0.171773541	-0.689863168
9322	RHEBL1	10	1	3.364641991	-3.518834077
9323	LMBR1L	1	1	-2.30824891	1.478352345
9324	AC011603.2	5	1	1.654783216	-2.279055558
9325	TUBA1B	16	1	3.285472003	3.35874132
9326	TUBA1A	16	1	3.760454503	3.277940549
9327	TUBA1C	16	1	3.373144713	3.186403312
9328	AC010173.1	10	1	4.311990347	-3.134146176
9329	TROAP	10	1	4.316326705	-2.814256393

9330	C1QL4	8	1	0.952828851	0.486101404
9331	DNAJC22	6	1	-0.695218417	-3.400427543
9332	SPATS2	3	1	2.220993844	3.428010501
9333	MCRS1	2	1	4.255893317	-0.313156389
9334	PRPF40B	4	1	0.223773298	-0.938660823
9335	FMNL3	9	1	-0.150479856	-0.248245441
9336	TMBIM6	3	1	1.832617965	4.501950539
9337	NCKAP5L	4	1	-1.412598285	-0.868770682
9338	BCDIN3D	6	1	-1.552521381	-2.195005857
9339	FAIM2	13	1	-3.177282962	-0.983188115
9340	AQP6	1	1	-2.667706642	2.423216618
9341	RACGAP1	10	1	4.376565543	-3.523380481
9342	ASIC1	1	1	-2.082701597	0.891255535
9343	SMARCD1	2	1	3.476080742	-0.621692501
9344	COX14	13	1	-3.64205471	-0.731330715
9345	AC074032.1	1	1	-1.249050412	1.22706113
9346	CERS5	14	1	-0.872806761	2.525392808
9347	LIMA1	3	1	1.789653626	4.364522017
9348	LARP4	11	1	2.173421231	0.137927435
9349	DIP2B	1	1	-1.271514329	0.855988361
9350	ATF1	7	1	1.43764886	-1.042380296
9351	TMPRSS12	17	1	-4.813916597	3.188677586
9352	METTL7A	15	1	-4.606824312	-0.543026768
9353	SLC11A2	1	1	-0.747867677	2.136869348
9354	LETMD1	1	1	-1.935573492	2.645231046
9355	CSRNP2	4	1	-0.187266293	-1.115938269
9356	TFCP2	5	1	0.612757412	-2.038567506
9357	POU6F1	1	1	-1.204211268	1.04645399
9358	DAZAP2	8	1	0.35897952	1.960096754
9359	SMAGP	7	1	3.123716202	-0.951497637
9360	GALNT6	8	1	-0.067706707	1.85576979
9361	SLC4A8	10	1	4.234204855	-3.178800069
9362	SCN8A	1	1	-1.158994469	1.923625506
9363	AC068987.2	1	1	-1.674423489	2.146748937
9364	AC068987.5	15	1	-4.252681169	-1.230405413
9365	ACVRL1	12	1	-3.251178178	-1.538500868
9366	ACVR1B	9	1	-1.051958236	-0.332205139
9367	GRASP	8	1	0.405573425	0.537995316
9368	NR4A1	17	1	-4.198342714	2.685789384
9369	ATG101	2	1	3.993443814	0.038965799
9370	AC078864.2	4	1	-0.075790788	-1.051008426
9371	KRT80	5	1	-0.068475525	-2.449880325
9372	KRT7	6	1	-1.834109935	-2.598629438

9373	KRT86	1	1	-1.642662081	2.808208026
9374	KRT81	1	1	-1.682637963	2.909159221
9375	KRT8	16	1	3.376456824	4.494290627
9376	KRT18	16	1	3.561854926	4.336467542
9377	EIF4B	3	1	1.086450186	4.680443086
9378	AC068888.1	12	1	-1.984469089	-1.827693902
9379	TNS2	6	1	-0.660265717	-2.444710456
9380	SPRYD3	1	1	-0.611880931	1.141327776
9381	IGFBP6	3	1	1.262923089	4.942791261
9382	CSAD	13	1	-2.845358524	-0.026195519
9383	ZNF740	9	1	-0.732999835	0.336958915
9384	RARG	13	1	-2.52671257	0.434629746
9385	MFSD5	5	1	-0.456053767	-2.441058122
9386	ESPL1	10	1	4.097848502	-3.380062543
9387	PFDN5	3	1	2.276811448	5.369916715
9388	AC073611.1	12	1	-2.905455265	-1.511521541
9389	C12orf10	2	1	4.58580884	0.637941517
9390	AAAS	7	1	3.169329014	-1.763319932
9391	SP1	9	1	0.009630372	0.189142249
9392	PRR13	2	1	4.483725157	1.786276854
9393	PCBP2	3	1	1.6415548	5.020036973
9394	MAP3K12	9	1	-0.975791726	0.020595498
9395	TARBP2	5	1	1.281612602	-2.85633298
9396	ATF7	6	1	-0.861206743	-2.005468331
9397	ATP5MC2	3	1	1.878810254	5.447243966
9398	CALCOCO1	1	1	-1.871638092	1.936628379
9399	HOTAIR	13	1	-3.355355176	0.361123562
9400	HOXC11	18	1	-3.33863965	1.106821336
9401	HOXC10	18	1	-3.348783645	1.470585502
9402	HOXC6	13	1	-3.554451618	0.197454832
9403	HOXC9	2	1	4.167905894	0.436713956
9404	HOXC-AS1	1	1	-2.511060628	2.039025582
9405	HOXC8	13	1	-3.678188714	0.191844649
9406	HOXC4	4	1	-1.316179308	-0.739985667
9407	AC012531.1	1	1	-1.409674558	1.512486614
9408	HOXC5	13	1	-2.257756147	0.387629424
9409	SMUG1	2	1	3.972246256	0.508287363
9410	LINC02381	4	1	-2.009941015	-1.016610228
9411	CBX5	10	1	4.048371401	-2.126452886
9412	AC078778.1	13	1	-3.286301527	0.255459219
9413	HNRNPA1	16	1	2.819350329	3.78039626
9414	COPZ1	3	1	1.939244476	4.609956063
9415	GPR84	19	2	-7.350653085	0.290143162

9416	ZNF385A	12	1	-2.58453885	-1.328304373
9417	ITGA5	3	1	1.185676542	4.13429264
9418	NCKAP1L	19	2	-7.482911024	0.276037901
9419	PDE1B	1	1	-1.795450601	1.239538289
9420	ITGA7	8	1	0.638098624	0.827068187
9421	BLOC1S1	16	1	4.046667662	3.754466809
9422	CD63	3	1	2.001792636	4.99070958
9423	AC009779.2	12	1	-2.287276897	-2.508286678
9424	GDF11	6	1	-0.635706279	-2.406172
9425	SARNP	4	1	0.27515423	-1.478525482
9426	ORMDL2	2	1	4.415218916	0.717619873
9427	DNAJC14	4	1	-0.264156076	-1.323940717
9428	MMP19	13	1	-2.077540788	0.056969799
9429	PYM1	6	1	-0.270687345	-3.218123637
9430	DGKA	9	1	-0.816147658	0.362617159
9431	CDK2	10	1	2.755754319	-3.809467994
9432	RAB5B	1	1	-1.280205163	1.207977809
9433	SUOX	6	1	-1.265740785	-2.129470073
9434	IKZF4	4	1	-0.567682657	-1.688166343
9435	RPS26	3	1	2.97731885	4.89663247
9436	ERBB3	8	1	0.062113062	1.481851972
9437	PA2G4	16	1	3.246523228	3.390382565
9438	RPL41	3	1	1.947613683	5.513878621
9439	ZC3H10	4	1	0.020609869	-1.02283033
9440	ESYT1	7	1	2.229266491	-1.092234574
9441	MYL6B	3	1	3.061798897	4.955117024
9442	MYL6	3	1	2.400623408	4.885707654
9443	SMARCC2	7	1	2.673066464	-0.705324136
9444	RNF41	3	1	1.077345696	2.347968973
9445	NABP2	2	1	4.243494597	0.016701288
9446	ANKRD52	5	1	1.380933133	-1.329599343
9447	COQ10A	6	1	-1.122640285	-2.621425353
9448	CS	7	1	2.487143841	-0.683494173
9449	AC073896.2	6	1	-1.968912515	-3.043811523
9450	CNPY2	2	1	3.948463765	1.474105514
9451	PAN2	1	1	-1.637924466	2.071898736
9452	IL23A	4	1	-0.020703852	-2.134360276
9453	STAT2	1	1	-1.826510224	2.247045912
9454	TIMELESS	10	1	3.017566767	-3.504048787
9455	SPRYD4	6	1	-0.447536412	-3.393367253
9456	RBMS2	8	1	0.275327828	1.201711811
9457	BAZ2A	8	1	0.077306126	1.758147158
9458	ATP5F1B	16	1	3.062274066	3.894424476

9459	PTGES3	16	1	2.929038611	3.479678191
9460	NACA	3	1	2.402016488	5.589530743
9461	PRIM1	10	1	2.714752999	-3.905518733
9462	HSD17B6	13	1	-3.528319272	-0.634657465
9463	ZBTB39	4	1	-0.051192473	-1.006936275
9464	NEMP1	10	1	3.514129248	-3.657826625
9465	NAB2	5	1	0.951622274	-1.409566842
9466	STAT6	9	1	-1.332147631	0.105667777
9467	LRP1	3	1	0.357249764	4.396040715
9468	NXPH4	13	1	-3.531425867	-0.223898374
9469	SHMT2	3	1	1.71092042	3.068472661
9470	NDUFA4L2	18	1	-3.164298925	1.784214414
9471	R3HDM2	14	1	-0.889544103	2.686898269
9472	INHBE	3	1	1.27879056	2.562194384
9473	GLI1	6	1	-1.138981494	-2.751433335
9474	MARS	3	1	1.637138811	2.764746941
9475	DDIT3	3	1	1.189259258	2.24216453
9476	MBD6	9	1	-0.507911	-0.360897742
9477	DCTN2	3	1	3.102895108	4.302091397
9478	PIP4K2C	4	1	-1.05377284	-1.409159027
9479	DTX3	1	1	-2.588367614	1.348713197
9480	ARHGEF25	1	1	-2.257374677	1.400249995
9481	SLC26A10	1	1	-2.583410177	1.096864499
9482	B4GALNT1	4	1	-0.063143741	-1.483701073
9483	OS9	3	1	0.379094657	4.436278619
9484	AGAP2	19	2	-7.353145036	0.25343778
9485	AGAP2-AS1	13	1	-2.715603981	0.492663152
9486	TSPAN31	14	1	-1.199512753	3.439520634
9487	CDK4	7	1	4.272326079	-1.106519304
9488	9-Mar	8	1	0.600620714	0.717040427
9489	METTL1	7	1	2.419667807	-2.469124757
9490	IEF1AKMT	1	1	-1.804817471	0.825873203
9491	TSFM	2	1	4.214491454	-0.274578952
9492	AVIL	17	1	-4.6904811	2.772187032
9493	AC025165.5	13	1	-2.230432424	0.521457262
9494	CTDSP2	14	1	-0.292349252	2.445849933
9495	AC084033.3	20	1	-1.093227658	-4.369649135
9496	ATP23	10	1	3.157991019	-3.302679263
9497	LRIG3	18	1	-3.950943861	1.700523175
9498	SLC16A7	1	1	-2.40009943	2.145696677
9499	USP15	7	1	2.856861678	-0.442027591
9500	MON2	1	1	-1.329887304	1.301545597
9501	AC048341.1	13	1	-2.554296646	0.665167965

9502	AC048341.2	10	1	3.940071908	-2.945642911
9503	PPM1H	12	1	-2.219823036	-2.618262731
9504	RXYLT1	7	1	3.112979975	-1.427511059
9505	RXYLT1-AS	13	1	-3.238487157	-0.749843322
9506	SRGAP1	11	1	2.419609395	-0.160739087
9507	C12orf66	9	1	-0.158779132	-0.520393394
9508	XPOT	14	1	0.740035739	3.118274249
9509	TBK1	9	1	0.164207962	0.200977139
9510	RASSF3	9	1	-0.211617324	0.620471142
9511	GNS	14	1	-0.300592008	2.92642001
9512	LEMD3	11	1	0.732300487	-1.151319467
9513	MSRB3	3	1	1.80487248	4.236371077
9514	AC090023.1	4	1	-1.311040554	-0.987240039
9515	LINC02454	5	1	0.701409128	-2.891968213
9516	HMGA2	11	1	1.594662514	0.174904339
9517	AC090673.1	8	1	0.326325115	1.577763714
9518	LLPH	2	1	4.393416491	-0.719483219
9519	TMBIM4	2	1	4.222491351	0.933836616
9520	IRAK3	1	1	-2.382408056	2.539204158
9521	HELB	1	1	-1.759496245	2.228281773
9522	GRIP1	6	1	-1.665963563	-2.759107076
9523	CAND1	11	1	2.011904088	0.448183484
9524	DYRK2	8	1	0.360457924	0.023157872
9525	MDM1	5	1	1.127344337	-3.12308427
9526	LINC02384	17	1	-3.54313961	2.432918824
9527	RAP1B	16	1	2.923343983	3.892768658
9528	NUP107	10	1	3.155092564	-3.162801467
9529	SLC35E3	4	1	0.097996519	-1.888985835
9530	MDM2	12	1	-2.581627283	-1.77196642
9531	AC025423.1	9	1	-1.659639034	-0.032179348
9532	CPM	1	1	-2.579351816	2.757505454
9533	CPSF6	7	1	3.811168042	-1.033463918
9534	LYZ	19	2	-7.443861875	0.256777197
9535	YEATS4	10	1	2.5108951	-3.597026788
9536	FRS2	15	1	-3.827574644	-0.06146317
9537	CCT2	16	1	3.485357848	3.095674075
9538	BEST3	6	1	-1.758618865	-3.328991376
9539	RAB3IP	9	1	0.153916036	0.203712381
9540	AC025159.1	1	1	-2.247096929	0.975788869
9541	CNOT2	2	1	3.17068347	-0.206646465
9542	KCNMB4	13	1	-2.984587345	0.417431753
9543	PTPRB	8	1	0.959218171	1.388130106
9544	PTPRR	8	1	1.0527316	0.423562337

9545	TSPAN8	6	1	-1.774647984	-3.550522767
9546	ZFC3H1	11	1	2.147289362	0.234568648
9547	THAP2	1	1	-1.754160318	1.042503334
9548	TMEM19	5	1	0.488603589	-2.877367221
9549	RAB21	11	1	1.858613816	0.281419292
9550	TBC1D15	8	1	0.015664338	1.654315389
9551	AC090109.1	12	1	-2.739514026	-2.025418245
9552	TRHDE	18	1	-3.121118459	2.00945393
9553	ATXN7L3B	6	1	-1.028069767	-3.288379394
9554	GLIPR1	2	1	4.620060053	1.082074024
9555	KRR1	7	1	4.09525117	-1.224501096
9556	AC078923.1	17	1	-4.460471067	3.149389304
9557	PHLDA1	17	1	-4.234259042	2.612469233
9558	AC011611.4	6	1	-1.729791793	-2.695193015
9559	NAP1L1	3	1	1.738332835	4.213228024
9560	LINC02407	5	1	1.262738433	-2.018679582
9561	BBS10	9	1	-0.829514894	-0.217580639
9562	OSBPL8	11	1	1.487817731	-0.261542998
9563	ZDHHC17	9	1	-1.244532499	0.32543195
9564	CSRP2	3	1	2.599313345	5.25211171
9565	E2F7	10	1	3.270175067	-3.461411201
9566	NAV3	8	1	1.178192702	1.310580529
9567	SYT1	5	1	0.255358469	-2.431196891
9568	AC027288.3	17	1	-4.853726778	3.026558198
9569	PAWR	3	1	1.958162394	3.583550252
9570	PPP1R12A	3	1	1.942053524	3.667197503
9571	OTOGL	12	1	-2.621678504	-2.241559945
9572	PTPRQ	1	1	-2.111730966	2.233374394
9573	LIN7A	18	1	-3.226504955	1.719928659
9574	ACSS3	15	1	-4.156348619	0.393068732
9575	CCDC59	2	1	4.362661448	-0.505034231
9576	METTL25	12	1	-2.667230758	-2.805217229
9577	TMTC2	1	1	-1.811878952	1.381310977
9578	LRRIQ1	10	1	3.354121771	-3.111448728
9579	NTS	8	1	0.542428997	0.746265448
9580	C12orf50	17	1	-4.793922815	3.130343236
9581	C12orf29	7	1	3.049677697	-1.034000121
9582	CEP290	7	1	2.743405428	-0.613376282
9583	TMTC3	11	1	1.164228406	-0.403313421
9584	KITLG	18	1	-3.977516565	1.724512972
9585	DUSP6	4	1	-0.589623782	-1.393996082
9586	POC1B	8	1	0.33645713	0.051197387
9587	C1B-GALN	3	1	2.382444468	2.519573487

9588	POC1B-AS1	1	1	-1.668383631	0.665918715
9589	ATP2B1	11	1	2.198560563	0.353463486
9590	ATP2B1-AS	15	1	-3.985946569	-2.044999562
9591	AC126178.1	17	1	-4.770767602	3.263802327
9592	EPYC	15	1	-4.55417386	-1.2774814
9593	LUM	14	1	-0.757007155	4.073601521
9594	DCN	15	1	-4.201167974	0.712770052
9595	BTG1	3	1	0.931727973	4.522518433
9596	AC025164.1	17	1	-4.678854856	3.274304665
9597	EEA1	7	1	3.026089516	-0.633840882
9598	NUDT4	8	1	1.388549057	0.893645741
9599	UBE2N	2	1	4.276238528	-0.771865569
9600	MRPL42	7	1	3.694006291	-1.10229417
9601	SOCS2	8	1	0.618092444	0.90541432
9602	CRADD	8	1	0.41272777	1.02849362
9603	AC012464.3	1	1	-1.286105666	1.458462037
9604	CEP83	5	1	1.842667189	-2.43237897
9605	TMCC3	4	1	-1.137994203	-1.210990034
9606	NDUFA12	16	1	3.693748322	4.155700244
9607	NR2C1	4	1	-0.310565743	-1.618456684
9608	FGD6	9	1	-0.79996607	-0.181760036
9609	VEZT	8	1	0.544665185	1.644267477
9610	METAP2	3	1	1.965743628	4.364739217
9611	USP44	8	1	0.883429316	0.690704144
9612	NTN4	6	1	-1.872281942	-2.358412706
9613	SNRPF	16	1	3.425560322	3.570409573
9614	HAL	15	1	-3.993917379	0.149454705
9615	LTA4H	14	1	-1.045921835	3.460776843
9616	LINC02452	17	1	-4.701144132	3.199037112
9617	ELK3	14	1	0.224676502	2.43923334
9618	CDK17	11	1	1.183449712	-0.365769409
9619	CFAP54	5	1	0.833363321	-2.116852008
9620	NEDD1	10	1	2.75635108	-3.088562452
9621	LINC02453	18	1	-3.625712785	1.463647999
9622	TMPO-AS1	10	1	3.480440226	-3.863996707
9623	TMPO	10	1	3.405678835	-3.360829316
9624	SLC25A3	3	1	2.370454875	5.378593243
9625	IKBIP	3	1	2.207426158	4.889424123
9626	APAF1	5	1	1.763567534	-2.612903081
9627	JHRF1BP11	9	1	-0.198077563	0.521141536
9628	ACTR6	2	1	3.349355784	-0.268629991
9629	DEPDC4	10	1	2.334241953	-3.583537542
9630	SCYL2	11	1	1.334379402	0.212886013

9631	GAS2L3	10	1	4.385114279	-3.237655364
9632	ANO4	12	1	-3.115858945	-2.642228089
9633	UTP20	7	1	2.651077834	-1.845134936
9634	ARL1	3	1	1.440934864	4.664622105
9635	CHPT1	11	1	2.709237185	0.250552036
9636	SYCP3	17	1	-4.731086645	3.215925969
9637	GNPTAB	8	1	-0.053998265	1.718310632
9638	DRAM1	8	1	0.113761936	1.463389434
9639	WASHC3	2	1	4.314874259	0.904621281
9640	NUP37	7	1	3.787129488	-1.746983014
9641	PARBP	10	1	3.90877327	-3.342376434
9642	PMCH	17	1	-3.722333583	2.810638703
9643	IGF1	19	2	-6.461412343	0.328316655
9644	NT5DC3	5	1	1.167896596	-1.364585601
9645	HSP90B1	3	1	1.488815871	4.516519345
9646	C12orf73	1	1	-1.426236901	2.388535775
9647	TDG	2	1	4.090709296	0.71080891
9648	GLT8D2	18	1	-3.509239349	1.406876601
9649	HCFC2	1	1	-1.55137125	0.8111131812
9650	NFYB	14	1	0.110397969	2.470344819
9651	TXNRD1	3	1	1.897103992	3.428492345
9652	AC089983.1	9	1	-0.388698313	1.205399669
9653	EID3	5	1	0.350416359	-2.245898687
9654	CHST11	6	1	-1.458395276	-2.941507541
9655	SLC41A2	1	1	-1.386002931	1.600972451
9656	C12orf45	2	1	4.289692965	-0.566787504
9657	ALDH1L2	3	1	1.129517642	2.612839021
9658	WASHC4	8	1	0.465581772	1.858508266
9659	APPL2	11	1	1.489608255	0.029210366
9660	C12orf75	3	1	2.262986746	3.660222806
9661	NUAK1	4	1	-2.086739215	-1.160909258
9662	CKAP4	3	1	1.095387784	4.501487531
9663	TCP11L2	1	1	-1.564267311	2.828008927
9664	POLR3B	5	1	0.411987063	-2.358645879
9665	AC079385.2	6	1	-1.370354328	-2.344387494
9666	RIC8B	4	1	0.270643097	-1.271761976
9667	AC007541.1	12	1	-3.376684579	-2.33905717
9668	TMEM263	3	1	0.731859115	4.323502816
9669	MTERF2	6	1	-0.207223985	-3.303405963
9670	CRY1	11	1	0.872954932	-0.88884648
9671	BTBD11	12	1	-2.951983842	-0.991612517
9672	PWP1	2	1	4.266725626	-0.844829999
9673	PRDM4	4	1	-0.120701718	-0.589050435

9674	CMKLR1	15	1	-4.48871747	-0.914681278
9675	FICD	6	1	-1.523700628	-2.062982999
9676	SART3	7	1	2.665492859	-1.546895348
9677	ISCU	15	1	-4.573401842	-1.266881429
9678	TMEM119	15	1	-4.645143423	-0.698231779
9679	SELPLG	17	1	-4.634361658	2.445112742
9680	CORO1C	3	1	2.134955969	2.80790285
9681	SSH1	8	1	0.290222701	1.880458034
9682	USP30	4	1	-1.029249939	-1.590706192
9683	ALKBH2	2	1	3.774270859	-0.625177823
9684	UNG	10	1	2.452081528	-4.104537688
9685	ACACB	12	1	-2.91478959	-2.463271342
9686	KCTD10	8	1	0.358208802	2.097044267
9687	UBE3B	1	1	-1.452078614	1.053576089
9688	MMAB	2	1	4.099765864	1.003394522
9689	MVK	6	1	-0.972097549	-2.54378935
9690	FAM222A	5	1	1.689144102	-3.834933482
9691	TRPV4	12	1	-2.489771995	-1.150781475
9692	GLTP	11	1	1.562504855	0.022723056
9693	TCHP	7	1	3.407342997	-1.554012262
9694	GIT2	11	1	1.055723873	-0.788240515
9695	ANKRD13A	8	1	1.049779621	1.150065757
9696	C12orf76	18	1	-3.035745534	1.734930314
9697	IFT81	15	1	-3.878090295	-1.852191411
9698	ATP2A2	14	1	-0.179187912	2.943778313
9699	ANAPC7	7	1	3.17253789	-1.637879096
9700	ARPC3	3	1	2.128236142	4.771592416
9701	GPN3	7	1	3.902920809	-1.770018302
9702	FAM216A	7	1	3.615198222	-1.299409114
9703	VPS29	2	1	4.754201975	0.398205673
9704	PPTC7	8	1	0.36327624	0.103422768
9705	TCTN1	15	1	-4.107930574	-0.719591581
9706	HVCN1	1	1	-2.515205535	1.746275224
9707	PPP1CC	7	1	2.985863772	-0.97082492
9708	PHETA1	4	1	-1.115480694	-1.120352589
9709	SH2B3	5	1	0.74178001	-1.592963182
9710	ATXN2	8	1	1.209675756	1.497155107
9711	BRAP	4	1	0.237338167	-1.306779705
9712	ACAD10	9	1	-0.808713052	-0.326648675
9713	ALDH2	13	1	-3.569832477	-0.114150308
9714	MAPKAPK5- <i>Δ</i>	14	1	-1.027687344	2.975270547
9715	MAPKAPK	11	1	0.938779381	-0.765063726
9716	TMEM116	11	1	0.416398075	-0.954712354

9717	ERP29	3	1	1.600095239	4.926267423
9718	AC073575.2	20	1	-1.496104273	-3.873965465
9719	NAA25	7	1	1.742743221	-0.989140235
9720	TRAFD1	1	1	-1.442164692	1.081641592
9721	HECTD4	9	1	-0.941727433	0.763554312
9722	RPL6	3	1	1.928380099	5.428841866
9723	PTPN11	2	1	3.178557959	-0.392520033
9724	OAS3	10	1	2.315508214	-3.684165679
9725	DDX54	7	1	3.396635857	-1.309035622
9726	RITA1	5	1	1.317381468	-3.013236009
9727	IQCD	1	1	-2.123966131	1.94438032
9728	TPCN1	1	1	-2.009977731	1.74782864
9729	SLC8B1	9	1	-0.823787782	-0.091708027
9730	PLBD2	1	1	-1.498066935	1.521293439
9731	SDS	19	2	-7.354050073	0.281068638
9732	SDSL	12	1	-3.319430265	-1.152837716
9733	RBM19	5	1	1.394161788	-2.84071108
9734	TBX3	11	1	2.547637787	-0.198636078
9735	AC078880.3	11	1	0.99175134	-0.537814282
9736	AC078880.4	11	1	0.954455462	-0.546771191
9737	AC078880.5	11	1	1.076250043	-0.619955205
9738	MED13L	8	1	1.384899941	1.206731535
9739	MAP1LC3B	6	1	-1.740167174	-2.843906604
9740	C12orf49	2	1	3.699510899	-0.09953069
9741	RNFT2	10	1	2.689168301	-2.902873717
9742	FBXW8	1	1	-1.418564829	1.119924105
9743	AC127164.1	1	1	-1.41502777	2.517776049
9744	FBXO21	8	1	1.018342224	1.02720306
9745	RFC5	10	1	2.895580855	-3.785108768
9746	WSB2	8	1	0.390732703	1.958649434
9747	VSIG10	5	1	0.941373613	-2.68912717
9748	PEBP1	16	1	3.953480568	3.402153529
9749	TAOK3	8	1	1.230648008	1.927594341
9750	SUDS3	2	1	4.338871089	0.198315196
9751	HSPB8	13	1	-2.1935958	0.556637294
9752	PRKAB1	4	1	-0.199018183	-0.747484051
9753	CIT	10	1	4.422565547	-3.144206725
9754	BICDL1	6	1	-2.071617755	-3.542350255
9755	RAB35	5	1	0.987147596	-1.824063264
9756	AC004812.2	20	1	-1.140270743	-4.052602969
9757	GCN1	11	1	1.270544615	-0.438378595
9758	RPLP0	3	1	2.01038107	5.560497559
9759	PXN-AS1	6	1	-0.585237596	-3.216501199

9760	PXN	11	1	1.639837709	0.096708514
9761	SIRT4	13	1	-3.41951004	-0.159297489
9762	COX6A1	3	1	2.526399222	5.055164136
9763	TRIAP1	2	1	4.143128005	0.617870353
9764	GATC	4	1	0.178455454	-1.102613054
9765	SRSF9	3	1	2.125602332	4.29341153
9766	DYNLL1	16	1	3.88663539	3.862309254
9767	NRAV	6	1	-0.283529165	-3.391262733
9768	AC063943.1	7	1	2.674829331	-0.942114912
9769	COQ5	7	1	3.219799605	-0.658332072
9770	RNF10	14	1	0.016883782	2.314184703
9771	POP5	2	1	4.48825368	0.237802319
9772	MLEC	16	1	3.509858695	3.725528754
9773	UNC119B	4	1	-0.530336353	-0.697401248
9774	ACADS	6	1	-1.052296195	-2.461525165
9775	SPPL3	9	1	-0.183426264	0.794880844
9776	C12orf43	7	1	2.239241686	-2.490693294
9777	P2RX4	13	1	-2.49880496	0.230550669
9778	CAMKK2	5	1	0.991125014	-1.735283576
9779	ANAPC5	2	1	3.41157302	-0.51184883
9780	RNF34	7	1	2.217078772	-2.023476325
9781	KDM2B	5	1	1.065718856	-1.690172635
9782	ORAI1	2	1	3.92022666	-0.3263494
9783	TMEM120B	4	1	-0.837189409	-0.93643602
9784	RHOF	4	1	-2.136192474	-1.282099329
9785	LINC01089	1	1	-2.668227825	1.160277761
9786	AC084018.2	1	1	-2.423890981	2.455688752
9787	SETD1B	4	1	-0.585012767	-0.809452854
9788	HPD	18	1	-3.076698455	1.281853713
9789	PSMD9	2	1	4.329044905	0.278663642
9790	AC069503.2	6	1	-1.024697217	-3.021146022
9791	WDR66	1	1	-2.190904769	1.853602923
9792	AC069503.1	4	1	-0.689385864	-1.43584951
9793	BCL7A	8	1	0.701394108	1.925303377
9794	MLXIP	1	1	-0.590558919	1.882213391
9795	DIABLO.1	9	1	-1.127607855	0.204915471
9796	VPS33A	5	1	0.3632386	-2.288633786
9797	CLIP1	8	1	1.245165315	1.394113458
9798	ZCCHC8	11	1	0.837606576	-0.661011897
9799	RSRC2	3	1	1.396935072	4.081744231
9800	KNTC1	10	1	3.218924132	-3.538090669
9801	AC026333.4	10	1	2.420595494	-3.881415092
9802	DENR	2	1	3.85676488	-0.672401749

9803	CCDC62	17	1	-4.622636232	3.14617113
9804	HIP1R	5	1	0.952715602	-1.479631148
9805	VPS37B	9	1	-0.021356191	0.114221044
9806	ABCB9	6	1	-1.288121972	-2.2354066
9807	OGFOD2	5	1	0.530714926	-2.555343591
9808	ARL6IP4	3	1	3.267844763	4.564084328
9809	PITPNM2	5	1	-0.149505261	-2.376805745
9810	MPHOSPH9	10	1	3.463713494	-3.268477641
9811	C12orf65	7	1	3.412121144	-1.230098687
9812	CDK2AP1	12	1	-1.929451975	-1.932404243
9813	SBNO1	11	1	1.996742812	0.405913681
9814	AC137767.1	18	1	-3.347597751	1.345727302
9815	KMT5A	10	1	3.817961541	-2.831504546
9816	RILPL2	6	1	-0.35698283	-2.848535024
9817	SNRNP35	5	1	1.366988268	-3.235768281
9818	RILPL1	2	1	3.216989604	0.276572861
9819	TMED2	3	1	1.178037849	4.645921029
9820	DDX55	7	1	2.784395304	-2.478266917
9821	EIF2B1	7	1	3.497512904	-0.892138206
9822	GTF2H3	2	1	3.516487685	-0.736559712
9823	TCTN2	9	1	0.229957235	-0.566882573
9824	ATP6V0A2	5	1	0.913027611	-1.684444152
9825	CCDC92	11	1	2.078536597	0.278059713
9826	AC079315.1	1	1	-1.038860354	1.803292073
9827	ZNF664	4	1	-0.227838579	-1.813482248
9828	RFLNA	13	1	-3.507556829	-0.337077044
9829	NCOR2	8	1	1.020579126	1.653310694
9830	AC073592.1	1	1	-0.531447265	1.150381125
9831	SCARB1	1	1	-1.703038964	0.635946579
9832	UBC	3	1	1.892945138	4.763968743
9833	DHX37	7	1	1.82161757	-1.754603826
9834	BRI3BP	10	1	2.469553557	-3.666902743
9835	AACS	9	1	-1.40300611	0.391050836
9836	SLC15A4	9	1	-0.751193795	0.379147526
9837	STX2	7	1	3.320462075	-0.865034901
9838	RAN	16	1	3.521597472	3.422529496
9839	SFSWAP	11	1	2.488851395	0.022528715
9840	MMP17	12	1	-2.009171638	-1.975857936
9841	ULK1	1	1	-1.82750741	2.017986335
9842	PUS1	7	1	2.025401202	-2.317722999
9843	EP400	7	1	2.386936036	-0.83592888
9844	DDX51	5	1	1.864558068	-2.486343108
9845	NOC4L	7	1	2.290364829	-2.576255761

9846	LINC02361	12	1	-2.593825492	-1.750702344
9847	FBRSL1	11	1	0.849545804	-1.140810929
9848	AC131212.1	12	1	-2.450544271	-1.289747678
9849	POLE	10	1	2.568421689	-3.738976203
9850	PXMP2	2	1	4.291060057	-0.465424083
9851	PGAM5	5	1	1.717401114	-2.083498679
9852	ANKLE2	8	1	0.244723496	1.992587365
9853	GOLGA3	14	1	0.286485073	2.279026307
9854	CHFR	9	1	-1.004046711	-0.42896875
9855	ZNF605	1	1	-1.534567508	0.918673195
9856	ZNF26	4	1	-0.595683548	-0.70539745
9857	ZNF84	1	1	-1.830603156	0.914326943
9858	ZNF140	9	1	-0.92493144	-0.233683191
9859	ZNF891	9	1	0.02165892	-0.446597718
9860	ZNF10	12	1	-2.538637313	-0.995919071
9861	ZNF268	4	1	-0.920238766	-1.771905385
9862	MPHOSPH8	2	1	3.479450789	-0.015216969
9863	PSPC1	7	1	2.617286053	-1.760557138
9864	ZMYM5	1	1	-1.62843183	0.464540623
9865	AL355001.2	15	1	-3.486920986	-2.177540265
9866	ZMYM2	14	1	-0.257289443	2.37145058
9867	CRYL1	9	1	0.019006948	0.3786576
9868	AL590096.1	6	1	-2.136422786	-3.896799766
9869	IFT88	6	1	0.120207851	-3.351984464
9870	AL161772.1	8	1	0.921031025	-0.008229993
9871	IL17D	8	1	0.429596987	0.127968557
9872	EF1AKMT	6	1	0.117126439	-3.501597844
9873	XPO4	5	1	1.387041774	-2.324689113
9874	LATS2	14	1	-0.33621389	2.627878941
9875	SAP18	16	1	3.417759743	4.365851916
9876	SKA3	10	1	3.521035519	-3.748697482
9877	MRPL57	16	1	4.009995547	3.772531546
9878	ZDHHC20	8	1	-0.162576768	1.536443986
9879	MICU2	2	1	3.532698002	-0.514540933
9880	FGF9	1	1	-2.059096965	2.79600624
9881	AL136962.1	18	1	-3.462383422	1.141602553
9882	LINC00621	18	1	-3.526823196	0.748020001
9883	SGCG	15	1	-4.281484041	-0.934964977
9884	SACS	11	1	2.307341185	0.010455228
9885	LINC00327	12	1	-3.277711305	-1.949535333
9886	TNFRSF19	18	1	-3.830330047	1.431708373
9887	MIPEP	5	1	1.204597321	-2.719873391
9888	AL359736.1	15	1	-4.405635747	-1.149083816

9889	SPATA13	18	1	-3.234987888	1.723710574
9890	AL445985.1	15	1	-4.319923315	0.045386024
9891	PARP4	7	1	2.544918385	-0.603389345
9892	CENPJ	10	1	3.487635699	-3.737207137
9893	MTMR6	7	1	2.162300911	-1.016229235
9894	NUP58	11	1	1.496656623	-0.044785999
9895	RNF6	11	1	1.454410043	-0.084218227
9896	CDK8	9	1	-0.047872464	-0.669760071
9897	WASF3	13	1	-3.357474479	0.13998235
9898	USP12	11	1	0.857804862	-1.250379406
9899	RPL21	3	1	1.700463977	5.284210004
9900	GTF3A	2	1	4.752326575	1.042469002
9901	MTIF3	14	1	-1.010671648	3.511622466
9902	LNK2	1	1	-1.182099375	0.811144061
9903	POLR1D	3	1	1.755731907	5.316797532
9904	URAD	15	1	-4.492150697	-1.295744263
9905	PAN3-AS1	20	1	-0.851464602	-4.530111991
9906	PAN3	4	1	-0.126396659	-1.017503821
9907	FLT1	6	1	-2.562294635	-3.243094646
9908	POMP	3	1	3.185185519	4.533458508
9909	SLC46A3	15	1	-4.178547773	-1.395161353
9910	MTUS2	18	1	-3.046663675	2.258043565
9911	MTUS2-AS1	17	1	-4.800937566	3.272647656
9912	SLC7A1	8	1	1.478692618	0.932986773
9913	UBL3	14	1	-0.093540448	2.449853696
9914	KATNAL1	11	1	0.715297666	-0.814287149
9915	HMGB1	16	1	3.196472493	3.511058129
9916	USPL1	1	1	-1.004494462	1.310021378
9917	ALOX5AP	18	1	-3.861105594	1.166807569
9918	LINC00545	1	1	-2.330771598	3.025867499
9919	MEDAG	17	1	-3.059040937	2.530698336
9920	HSPH1	7	1	3.677714911	-1.227892719
9921	B3GLCT	5	1	0.867483225	-1.697185479
9922	FRY	13	1	-2.450069818	-0.611865483
9923	FRY-AS1	19	2	-6.728885564	0.207742862
9924	BRCA2	10	1	3.270804015	-3.779831134
9925	N4BP2L1	1	1	-1.811950716	2.890169896
9926	N4BP2L2	3	1	0.904705313	4.141000308
9927	PDS5B	7	1	2.401456681	-0.928967558
9928	STARD13	18	1	-3.146198425	1.824713863
9929	RFC3	10	1	2.874704686	-4.017207347
9930	NBEA	13	1	-2.791758689	-0.962452613
9931	DCLK1	13	1	-2.679218683	0.425391748

9932	CCDC169	5	1	0.512606767	-1.932715856
9933	SPART	17	1	-3.54337779	2.254912413
9934	CCNA1	10	1	4.338357058	-3.087571107
9935	RFXAP	11	1	0.772819903	-0.605135821
9936	SMAD9	1	1	-2.777516756	2.029022254
9937	ALG5	2	1	3.754051295	0.102702625
9938	EXOSC8	7	1	3.990541783	-1.472597443
9939	SUPT20H	11	1	2.294793454	0.068516679
9940	POSTN	13	1	-2.560501012	-0.741715394
9941	TRPC4	8	1	0.355334845	0.990316428
9942	UFM1	3	1	1.24145135	4.234492101
9943	PROSER1	11	1	0.73245981	-1.231287919
9944	NHLRC3	1	1	-1.711095604	1.092882074
9945	LHFPL6	15	1	-4.560089979	-1.141092144
9946	COG6	14	1	-0.686020467	3.01829604
9947	LINC00598	1	1	-2.083882484	2.583097972
9948	FOXO1	13	1	-2.807222042	-0.920129143
9949	MRPS31	7	1	3.532754269	-1.353728734
9950	SLC25A15	5	1	1.448258844	-3.124940835
9951	ELF1	11	1	2.240677205	0.489628911
9952	WBP4	7	1	4.070540514	-0.973304115
9953	KBTBD6	9	1	-0.323401395	-0.346939706
9954	AL354696.2	1	1	-1.997915658	2.393948592
9955	KBTBD7	13	1	-1.858819875	0.382171346
9956	MTRF1	5	1	0.444910285	-2.522441112
9957	NAA16	5	1	1.749606219	-2.896460019
9958	RGCC	5	1	0.453681764	-2.667082988
9959	VWA8	9	1	-0.324612621	0.179354854
9960	DGKH	1	1	-0.705170903	1.965345062
9961	AKAP11	11	1	1.20380899	-0.366696142
9962	LINC01050	17	1	-4.402147684	2.975775517
9963	EPSTI1	1	1	-2.548838767	2.185524739
9964	DNAJC15	16	1	3.647765961	4.008941449
9965	ENOX1	6	1	-0.993230614	-2.501621448
9966	CCDC122	12	1	-2.824505481	-1.526826583
9967	LACC1	9	1	-0.67474297	-0.314484082
9968	AL512506.3	1	1	-1.839190039	1.879189886
9969	SERP2	12	1	-2.500790748	-2.773068391
9970	TSC22D1	18	1	-4.076944742	1.854276217
9971	SC22D1-AS	1	1	-2.031752738	0.91077099
9972	AL356515.1	12	1	-2.674372587	-2.086310826
9973	NUFIP1	7	1	2.156053391	-2.650098525
9974	GPALPP1	7	1	2.246542063	-1.319122158

9975	GTF2F2	2	1	4.379445162	-0.445981346
9976	KCTD4	8	1	0.124616799	0.920065261
9977	TPT1	3	1	1.801867333	5.418581284
9978	SLC25A30	4	1	-0.630631361	-1.442701422
9979	COG3	1	1	-1.606472644	0.640671797
9980	ZC3H13	3	1	2.782935467	2.552923001
9981	LCP1	1	1	-2.766097698	1.937750973
9982	LRCH1	9	1	0.313314167	-0.270073556
9983	ESD	16	1	3.287643757	3.911808289
9984	HTR2A	12	1	-3.052929792	-2.037973844
9985	SUCLA2	2	1	3.518417922	-0.388743364
9986	LINC00562	5	1	-0.193280342	-2.429736339
9987	NUDT15	10	1	3.665591088	-2.506815158
9988	MED4	3	1	1.981734243	1.97525958
9989	ITM2B	3	1	1.384164897	4.983449735
9990	RB1	11	1	1.416387525	-0.099933379
9991	RCBTB2	12	1	-2.874547157	-2.825914107
9992	CYSLTR2	17	1	-3.452819261	2.57221774
9993	AL161421.1	5	1	0.531533149	-2.868980609
9994	FNDC3A	14	1	-0.784251723	3.02464775
9995	CDADC1	4	1	0.243839604	-1.121948205
9996	CAB39L	11	1	0.507361081	-0.614270233
9997	SETDB2	9	1	-1.026784095	-0.080594085
9998	PHF11	9	1	-1.020535383	0.398764718
9999	RCBTB1	4	1	0.254296523	-0.996134363
10000	EBPL	2	1	3.752945033	1.395843901
10001	KPNA3	7	1	3.211599436	-1.047263585
10002	AL136301.1	12	1	-3.279809627	-1.977059804
10003	SPRYD7	7	1	3.707870808	-0.976864539
10004	DLEU2	10	1	3.302751389	-3.330206119
10005	TRIM13	14	1	-0.711774203	2.78340391
10006	RNASEH2B	2	1	4.191744891	-0.389602088
10007	FAM124A	13	1	-3.659796152	-0.296024882
10008	INTS6	14	1	-0.216186467	2.437145985
10009	INTS6-AS1	1	1	-2.220446977	1.034079946
10010	WDFY2	11	1	0.612776127	-0.167559169
10011	DHRS12	13	1	-3.138808879	-0.541069113
10012	ATP7B	13	1	-2.326847467	-0.555261635
10013	ALG11	1	1	-1.537216935	0.845963008
10014	UTP14C	9	1	-1.023501548	-0.338476502
10015	NEK5	13	1	-2.615853223	0.750193842
10016	NEK3	5	1	0.844902304	-1.915024244
10017	THSD1	5	1	0.927001086	-2.175762139

10018	VPS36	2	1	4.330885497	0.388909038
10019	AL359513.1	10	1	4.317918864	-2.996159755
10020	CKAP2	10	1	4.480647173	-3.396418534
10021	INRNPA1L	4	1	0.013148226	-2.005540811
10022	AL139089.1	10	1	4.228886691	-3.058867179
10023	SUGT1	16	1	3.498779145	3.623357571
10024	DIAPH3	10	1	3.656069842	-2.579657041
10025	LINC00434	12	1	-2.640334281	-2.084148608
10026	TDRD3	4	1	0.209792462	-0.722317182
10027	PCDH9	6	1	-2.251121911	-3.513405286
10028	MZT1	10	1	4.38194665	-2.959616386
10029	BORA	10	1	4.146026698	-3.239372216
10030	DIS3	11	1	2.592400876	-0.312221192
10031	PIBF1	7	1	2.765070525	-0.573309086
10032	KLF5	11	1	0.633108404	-0.36986097
10033	KLF12	9	1	-1.156904015	0.084349818
10034	TBC1D4	10	1	3.391026106	-2.966071092
10035	COMMD6	3	1	2.033216086	5.247199811
10036	UCHL3	2	1	4.504179087	0.219365887
10037	LMO7-AS1	12	1	-3.202694807	-1.885772191
10038	LMO7	6	1	-1.733353648	-3.253033839
10039	LMO7DN	12	1	-2.570416603	-2.887998544
10040	KCTD12	15	1	-4.44115487	-0.437548422
10041	AC000403.1	15	1	-3.481561336	-2.045604192
10042	CLN5	15	1	-3.643838796	-0.936186157
10043	FBXL3	4	1	-0.16274831	-0.654832684
10044	AC001226.1	10	1	4.262008276	-3.069346391
10045	MYCBP2	11	1	2.135783759	0.186758078
10046	RNF219	10	1	2.378693667	-3.419042789
10047	RBM26	11	1	2.570226279	-0.338429056
10048	RBM26-AS1	5	1	1.132488099	-1.376050674
10049	NDFIP2	8	1	-0.112196076	1.60948924
10050	SPRY2	5	1	0.665134635	-2.032366716
10051	LINC00333	8	1	0.880473402	0.663105853
10052	AL354811.1	15	1	-4.371349725	-0.845770084
10053	GPC6	14	1	-0.884327802	4.04707507
10054	TGDS	9	1	-0.249627563	0.143322356
10055	GPR180	1	1	-0.64290497	1.403794803
10056	ABCC4	4	1	-0.129056934	-1.263729416
10057	CLDN10	1	1	-0.750343832	1.542564191
10058	DZIP1	11	1	1.34419128	-0.34151467
10059	DNAJC3-DT	20	1	-1.236891779	-4.397593223
10060	DNAJC3	18	1	-3.850509319	1.973955668

10061	UGGT2	14	1	-0.427872959	3.335641421
10062	HS6ST3	18	1	-4.115373048	1.028703727
10063	MBNL2	14	1	-0.736831281	2.694746531
10064	RAP2A	1	1	-2.565261754	1.934936441
10065	IPO5	3	1	1.859503713	2.804199733
10066	FARP1	1	1	-1.184251341	2.406413354
10067	STK24	8	1	0.855992463	1.790554322
10068	STK24-AS1	20	1	-0.979233655	-4.40380498
10069	DOCK9	4	1	-0.522603843	-1.232623421
10070	UBAC2-AS1	4	1	-1.688506159	-1.691240512
10071	UBAC2	14	1	-0.823283765	3.028711833
10072	GPR183	19	2	-7.312170896	0.279320821
10073	TM9SF2	14	1	-0.269799742	3.184674062
10074	CLYBL	13	1	-2.467345151	-0.189619743
10075	AL355338.1	6	1	-1.104624543	-3.319841586
10076	PCCA	9	1	-0.839757595	0.649901129
10077	GGACT	12	1	-3.273386869	-1.220779978
10078	TMTC4	11	1	1.100716558	-1.061731778
10079	NALCN	8	1	0.262599584	0.77192501
10080	ITGBL1	6	1	-1.873791131	-2.360477887
10081	TPP2	7	1	2.511729327	-1.690177165
10082	CCDC168	17	1	-4.682050142	3.131339349
10083	TEX30	10	1	3.154148903	-3.726360046
10084	KDELC1	14	1	-1.124099287	2.876741685
10085	BIVM	4	1	-1.257356438	-0.698631846
10086	ERCC5	13	1	-2.075311574	0.276893474
10087	LINC00460	6	1	-1.105623278	-2.452697955
10088	EFNB2	6	1	-2.258019838	-3.007395946
10089	ARGLU1	3	1	2.663139668	2.427672423
10090	FAM155A	4	1	-1.88069323	-0.707405769
10091	LIG4	4	1	0.161380459	-1.516850911
10092	ABHD13	6	1	-1.04467431	-2.015711747
10093	TNFSF13B	15	1	-3.898737583	0.592234082
10094	MYO16	1	1	-2.166345748	3.056788243
10095	IRS2	1	1	-2.54139677	2.590712823
10096	COL4A1	3	1	1.208666888	4.121307649
10097	COL4A2	3	1	1.097730365	4.270637072
10098	RAB20	17	1	-2.823024902	2.856460847
10099	AL139385.1	15	1	-3.711917552	-1.187369548
10100	NAXD	9	1	-0.173683542	-0.529154681
10101	CARS2	2	1	4.186964121	0.451689034
10102	ING1	11	1	0.637893107	-1.23330959
10103	ANKRD10	1	1	-1.85890356	2.693347491

10104	ARHGEF7	9	1	-0.266676071	0.135092236
10105	TEX29	17	1	-3.450995836	2.12253908
10106	TUBGCP3	10	1	2.696463671	-3.068909131
10107	ATP11A	9	1	-1.006206665	0.678432084
10108	F10	18	1	-2.990877065	1.502617635
10109	PCID2	7	1	3.487766114	-0.974132382
10110	CUL4A	7	1	2.13629922	-0.420452379
10111	LAMP1	3	1	0.740405527	4.51341895
10112	ADPRHL1	17	1	-4.832282457	2.763021506
10113	DCUN1D2	9	1	-0.638257238	0.077131666
10114	TMCO3	8	1	0.970670846	1.629144944
10115	TFDP1	7	1	3.689133015	-1.413239084
10116	TMEM255B	12	1	-2.415080938	-1.889304124
10117	GAS6-AS1	8	1	0.112420951	0.827647038
10118	GAS6	3	1	1.464824286	4.031882562
10119	GAS6-DT	13	1	-2.311145696	-0.898486816
10120	BX072579.1	8	1	0.148588408	1.006700076
10121	LINC00454	17	1	-4.841650876	3.267285861
10122	LINC00565	4	1	-1.031157765	-1.067993723
10123	RASA3	11	1	1.253658619	-0.479475461
10124	CDC16	7	1	2.329419222	-0.58118745
10125	UPF3A	2	1	3.876922694	-0.738103591
10126	CHAMP1	7	1	3.241500464	-1.501445614
10127	TTC5	6	1	0.001372036	-3.214797221
10128	CCNB1IP1	14	1	-0.956177446	2.84910611
10129	AL355075.4	1	1	-2.439861927	2.338717498
10130	PARP2	10	1	3.190202323	-3.362233602
10131	TEP1	1	1	-1.121288452	1.150636293
10132	OSGEP	5	1	0.803453949	-3.377078019
10133	APEX1	16	1	3.897323933	3.606149711
10134	PIP4P1	4	1	0.228256327	-1.370829545
10135	PNP	7	1	3.271505442	-1.577885591
10136	ANG	1	1	-2.27862111	3.052685298
10137	RNASE1	19	2	-7.453798208	0.288587585
10138	METTTL17	9	1	0.285024267	-0.228406869
10139	NDRG2	6	1	-2.232544574	-3.14098426
10140	ARHGEF40	7	1	1.980834332	-0.953464948
10141	ZNF219	12	1	-2.538528594	-1.96560403
10142	OR5AU1	17	1	-4.871111783	3.304560698
10143	HNRNPC	3	1	2.075593081	4.049488343
10144	SUPT16H	7	1	3.87693986	-1.892602883
10145	CHD8	11	1	2.339896765	-0.305552326
10146	RAB2B	9	1	-1.377831253	0.399131469

10147	TOX4	2	1	3.891532984	0.983418681
10148	METTL3	7	1	2.046889153	-2.404302798
10149	SALL2	4	1	-1.652486238	-1.335942947
10150	TRAV36DV	12	1	-3.024465951	-2.482822143
10151	TRAV38-2DV	6	1	-2.246195945	-3.032945596
10152	TRAV39	6	1	-2.166774902	-3.153887473
10153	TRAC	5	1	0.555016068	-1.84907981
10154	DAD1	3	1	2.55869135	4.969134606
10155	ABHD4	1	1	-2.040485773	1.682593263
10156	OXA1L	14	1	-1.114873681	3.699808158
10157	SLC7A7	13	1	-3.559131536	-0.701103531
10158	MRPL52	16	1	3.5983282	3.926314868
10159	MMP14	14	1	0.266281736	2.406776227
10160	LRP10	3	1	0.159546581	4.355513371
10161	REM2	17	1	-4.461534891	3.197012462
10162	RBM23	7	1	1.961598483	-0.844374143
10163	PRMT5	7	1	3.693238106	-1.328714572
10164	HAUS4	11	1	0.559309271	-1.087843977
10165	AJUBA	8	1	0.378559109	0.67089314
10166	C14orf93	18	1	-2.98879734	1.519122638
10167	PSMB5	16	1	3.456599799	4.447855271
10168	CDH24	5	1	1.2251825	-2.378417216
10169	ACIN1	11	1	2.697699395	-0.266069852
10170	C14orf119	2	1	4.237642851	0.629499055
10171	SLC7A8	19	2	-6.435151491	0.067865409
10172	HOMEZ	4	1	-1.469439659	-1.509220682
10173	PPP1R3E	1	1	-1.488510165	1.514862574
10174	BCL2L2	9	1	-0.687271807	0.653987206
10175	PABPN1	11	1	2.601156083	-0.048479609
10176	SLC22A17	17	1	-2.738659772	2.702330388
10177	EFS	1	1	-2.155245695	1.770580567
10178	NGDN	7	1	2.438806382	-2.003973924
10179	ZFHX2	12	1	-2.796888027	-1.847464048
10180	THTPA	6	1	-1.428122076	-3.148952924
10181	AP1G2	4	1	-1.757800493	-1.633925401
10182	AL135999.1	13	1	-2.478241596	0.305470578
10183	DHRS2	13	1	-3.341217908	-0.904476606
10184	DHRS4-AS1	6	1	-0.673050556	-3.073443853
10185	DHRS4	6	1	-1.619708929	-3.325550281
10186	DHRS4L2	2	1	4.174548712	0.897412576
10187	NRL	6	1	-0.681919488	-3.5074782
10188	PCK2	3	1	1.496769872	2.700359858
10189	DCAF11	4	1	-0.038439456	-1.94073125

10190	PSME1	3	1	2.094848242	4.400681771
10191	EMC9	10	1	4.2012988	-2.618189775
10192	AL136295.2	1	1	-1.086833391	1.330016173
10193	PSME2	16	1	3.598896113	3.547378577
10194	AL136295.5	9	1	-1.066636118	0.676510311
10195	IRF9	4	1	-1.242093715	-1.028989874
10196	REC8	6	1	-1.771359	-2.601570331
10197	IPO4	5	1	1.827374425	-2.610296212
10198	TM9SF1	5	1	0.723901895	-2.431392871
10199	CHMP4A	2	1	4.264470664	0.825842686
10200	MDP1	6	1	-2.067883167	-3.258148633
10201	NEDD8	3	1	3.026317683	4.609521664
10202	GMPR2	14	1	-1.080987606	3.500867165
10203	TINF2	5	1	0.292722014	-2.357888185
10204	RABGGTA	6	1	-0.892447028	-2.597448074
10205	DHRS1	12	1	-1.704019341	-1.914291345
10206	NOP9	4	1	-0.129091743	-1.690283977
10207	LTB4R2	6	1	-0.598282966	-2.074929439
10208	LTB4R	4	1	-0.967351946	-1.051587306
10209	ADCY4	9	1	-0.219549868	0.066409148
10210	RIPK3	12	1	-2.468723211	-2.864152156
10211	NFATC4	9	1	-1.266583952	0.484850891
10212	NYNRIN	13	1	-3.004898939	-0.264777027
10213	CBLN3	18	1	-2.796855602	1.41196195
10214	KHNYN	9	1	-0.82971302	0.10532368
10215	SDR39U1	4	1	-0.536103878	-1.930880748
10216	AL132800.1	15	1	-3.981402788	-1.477492057
10217	STXBP6	15	1	-3.434305343	-1.638071977
10218	PRKD1	1	1	-0.571759257	1.910510577
10219	AL356756.1	1	1	-0.668241355	2.307276644
10220	G2E3	10	1	4.141578284	-3.115591966
10221	SCFD1	2	1	3.065957156	1.408828653
10222	STRN3	11	1	1.923406091	0.535059817
10223	AP4S1	6	1	-0.423170987	-3.47419449
10224	HECTD1	11	1	2.494392005	-0.00067433
10225	HEATR5A	1	1	-1.371385607	1.033232488
10226	AL139353.1	12	1	-3.319498453	-1.561628543
10227	DTD2	4	1	-1.012969408	-1.738406144
10228	NUBPL	4	1	-0.488828215	-1.812624894
10229	RHGAP5-A	15	1	-4.006899271	-1.370999061
10230	ARHGAP5	14	1	-0.286565158	2.633146085
10231	AKAP6	13	1	-3.423531923	-0.719968759
10232	EGLN3	1	1	-2.10392538	3.197394408

10233	SPTSSA	2	1	3.733982649	-0.5987738
10234	EAPP	2	1	3.777493325	1.209806777
10235	SNX6	3	1	2.199528542	4.585135735
10236	CFL2	3	1	1.177770701	4.225098885
10237	BAZ1A	7	1	3.525705901	-1.112137877
10238	AL121603.2	5	1	-0.015336401	-2.769246541
10239	SRP54	14	1	-0.191906604	3.468494691
10240	FAM177A1	3	1	2.570817557	5.067853249
10241	PPP2R3C	7	1	3.446513978	-0.83354684
10242	KIAA0391	4	1	-0.425855073	-1.611541711
10243	PSMA6	9	1	0.094552737	-0.53538581
10244	NFKBIA	1	1	-2.378322277	2.990455903
10245	AL133163.3	9	1	0.373534617	-0.104364567
10246	RALGAP1	9	1	-0.177830863	-0.299434625
10247	BRMS1L	6	1	-0.525575492	-3.278455697
10248	MBIP	7	1	2.130187598	-1.287659727
10249	SLC25A21	5	1	0.863218036	-2.271476232
10250	MIPOL1	5	1	0.296806064	-2.21705886
10251	SSTR1	14	1	-0.169049281	2.668201484
10252	CLEC14A	6	1	-1.231633815	-3.291480027
10253	SEC23A	3	1	0.76978555	4.090698994
10254	GEMIN2	5	1	2.239718524	-2.939810716
10255	TRAPPC6B	4	1	-0.433714333	-0.671383105
10256	PNN	16	1	3.091296998	2.74917344
10257	MIA2	14	1	-0.705372962	2.771337546
10258	FBXO33	4	1	-0.073138285	-1.893426858
10259	LRFN5	18	1	-3.960130605	1.659111179
10260	C14orf28	8	1	-0.102811354	1.070525802
10261	KLHL28	1	1	-1.204973492	1.550246037
10262	OGARAM	9	1	-0.96409193	-0.075852744
10263	PRPF39	5	1	1.098716703	-1.904934131
10264	FKBP3	16	1	3.508437005	3.870151318
10265	FANCM	10	1	3.058042136	-3.314196311
10266	MIS18BP1	10	1	4.131721583	-3.479219876
10267	MDGA2	8	1	0.418185022	1.034773148
10268	RPS29	3	1	1.687188592	5.095502175
10269	LRR1	10	1	3.524662581	-2.678687535
10270	RPL36AL	3	1	3.194599715	4.681597985
10271	MGAT2	7	1	2.557437506	-0.815369092
10272	DNAAF2	6	1	-0.010545387	-3.369367086
10273	POLE2	10	1	2.786399928	-3.752450191
10274	KLHDC1	13	1	-2.509131584	0.294482827
10275	KLHDC2	14	1	-1.020017538	3.549984254

10276	NEMF	2	1	3.560044375	-0.58445289
10277	ARF6	11	1	1.605148402	0.29015924
10278	LINC01588	17	1	-4.715799722	2.965912856
10279	VCPKMT	5	1	0.634227124	-2.513740741
10280	SOS2	9	1	0.031086908	0.087312139
10281	L2HGDH	5	1	2.180800047	-2.853288613
10282	ATP5S	6	1	-0.443549606	-3.301801644
10283	CDKL1	5	1	1.618852821	-2.675662719
10284	MAP4K5	11	1	2.304716673	-0.19861462
10285	ATL1	12	1	-2.409337434	-2.401068174
10286	SAV1	8	1	0.84126499	1.022942997
10287	NIN	11	1	2.455156174	-0.076249473
10288	PYGL	14	1	-1.224104914	3.262152709
10289	TMX1	7	1	3.134652224	-0.623898708
10290	LINC00640	13	1	-2.681075963	-0.056066744
10291	FRMD6	3	1	2.427085009	2.873060025
10292	AL122125.1	1	1	-1.761484537	1.025342084
10293	FRMD6-AS	6	1	-1.476078066	-2.665343248
10294	GNG2	18	1	-3.830560121	1.454324759
10295	RTRAF	3	1	2.591991988	4.754620828
10296	NID2	14	1	-0.836462411	3.984546222
10297	LINC02319	18	1	-3.895872983	1.519558228
10298	PTGDR	17	1	-3.732282314	2.189455665
10299	PTGER2	18	1	-3.857744607	1.18148569
10300	TXNDC16	15	1	-4.387316141	-1.122282468
10301	GPR137C	10	1	2.006840911	-4.240116321
10302	ERO1A	14	1	-0.493591997	3.406930722
10303	AL133453.1	1	1	-2.236422214	2.604291476
10304	PSMC6	2	1	4.232666579	-0.817890488
10305	STYX	9	1	-1.359830889	0.421267371
10306	GNPNAT1	7	1	3.402180043	-1.114585959
10307	FERMT2	3	1	1.91532549	4.344573773
10308	DDHD1	8	1	0.339092639	0.38125948
10309	BMP4	15	1	-3.394457969	-1.653965198
10310	CDKN3	10	1	4.260953036	-2.4975731
10311	CNIH1	3	1	1.062783089	4.477822579
10312	GMFB	7	1	2.751194087	-0.848934017
10313	CGRRF1	7	1	2.217004147	-1.420404993
10314	SAMD4A	8	1	0.243251067	1.303267456
10315	GCH1	1	1	-2.692884359	1.608285703
10316	WDHD1	10	1	2.701437798	-3.867036067
10317	SOCS4	7	1	1.721432415	-0.530683778
10318	MAPK1IP1	7	1	3.215399113	-1.166332327

10319	LGALS3	16	1	3.459582654	4.346191443
10320	DLGAP5	10	1	4.403388587	-2.933218204
10321	FBXO34	11	1	0.629641262	-0.99979695
10322	ATG14	1	1	-2.150766286	2.496481217
10323	KTN1-AS1	4	1	0.034889698	-1.730831348
10324	KTN1	3	1	2.357846823	3.814732827
10325	LINC00520	12	1	-1.896777901	-2.146648132
10326	AL138995.1	1	1	-0.492716166	1.247353948
10327	PELI2	17	1	-4.175217542	3.03123907
10328	AL355073.2	17	1	-4.430588636	3.173755206
10329	TMEM260	1	1	-1.55888215	0.575195379
10330	EXOC5	11	1	1.736724701	0.407658625
10331	AP5M1	4	1	-1.101102743	-1.581773602
10332	NAA30	4	1	-0.133514005	-0.617723249
10333	ARMH4	13	1	-2.050224695	0.083918638
10334	ACTR10	2	1	4.129575339	0.651519008
10335	PSMA3	16	1	3.688229409	3.286362208
10336	PSMA3-AS1	6	1	-0.540518853	-2.289384805
10337	ARID4A	12	1	-2.418872032	-1.815036021
10338	TIMM9	2	1	3.838916626	-0.51668229
10339	KIAA0586	10	1	3.944995966	-2.914690457
10340	DACT1	13	1	-3.593327913	-0.518901669
10341	DAAM1	18	1	-3.066416892	1.712258495
10342	GPR135	1	1	-1.377973589	0.962121583
10343	L3HYPDH	2	1	3.965702143	0.971528686
10344	JKAMP	14	1	-0.24947876	3.08467225
10345	RTN1	1	1	-1.202461276	2.138445176
10346	PCNX4	11	1	1.941552964	0.106580086
10347	DHRS7	14	1	-0.716130349	3.690029181
10348	PPM1A	9	1	-0.22328085	0.810997076
10349	C14orf39	8	1	0.924370673	0.463737644
10350	SIX1	8	1	0.982718375	0.461871728
10351	SIX4	1	1	-0.740501556	1.382384456
10352	MNAT1	7	1	4.106042471	-0.994994484
10353	TRMT5	7	1	1.90223166	-1.741288386
10354	SLC38A6	6	1	-1.211910758	-1.894073211
10355	PRKCH	17	1	-4.668663415	3.074677504
10356	LINC01303	19	2	-6.430797967	0.096666761
10357	AL355916.1	13	1	-3.064250144	0.310495935
10358	HIF1A	3	1	0.516356882	4.483310975
10359	HIF1A-AS2	1	1	-1.0548282	2.508831538
10360	SNAPC1	8	1	1.530422059	1.780356683
10361	KCNH5	17	1	-3.04524127	2.716609992

10362	RHOJ	8	1	0.377575305	0.182992704
10363	PPP2R5E	11	1	1.955098835	0.209013484
10364	AL136038.3	20	1	-0.867023024	-4.581631385
10365	WDR89	11	1	0.785130051	-0.924717628
10366	SGPP1	9	1	0.083444887	-0.456704639
10367	SYNE2	10	1	3.128258791	-3.499999963
10368	ESR2	6	1	0.107186843	-3.267389976
10369	MTHFD1	7	1	2.917616931	-2.488070928
10370	ZBTB25	1	1	-2.143035564	2.59045247
10371	AKAP5	15	1	-4.412581357	-1.711187564
10372	ZBTB1	8	1	0.632089522	1.557107128
10373	HSPA2	18	1	-3.057154569	2.124796785
10374	PLEKHG3	5	1	0.344239947	-2.334565364
10375	CHURC1	14	1	-0.996469054	3.593685426
10376	RAB15	12	1	-2.209804449	-2.382565223
10377	FNTB	4	1	-0.399902883	-1.756916724
10378	MAX	11	1	1.903710094	-0.275144302
10379	FUT8	11	1	1.67373189	-0.360438548
10380	FUT8-AS1	15	1	-3.981459531	-1.1285493
10381	AL359232.1	12	1	-3.40335432	-2.312821828
10382	GPHN	5	1	0.993786779	-2.990284167
10383	MPP5	11	1	1.312029448	0.093013741
10384	ATP6V1D	2	1	4.700005618	1.007096149
10385	EIF2S1	7	1	4.041531649	-1.076288782
10386	PLEK2	7	1	2.397186604	-2.36696478
10387	PIGH	6	1	-0.737316761	-3.27451893
10388	ARG2	3	1	1.176434842	2.501435555
10389	VTI1B	3	1	1.804703918	5.118202485
10390	RDH11	3	1	1.631290045	3.928089417
10391	ZFYVE26	4	1	-0.723066184	-1.813137494
10392	RAD51B	10	1	2.455747691	-3.133918964
10393	ZFP36L1	14	1	0.488255349	3.981646336
10394	ACTN1	3	1	1.724957433	4.265794314
10395	ACTN1-AS1	12	1	-3.034800443	-1.407542668
10396	DCAF5	9	1	-1.160751614	0.482860349
10397	AL391262.1	1	1	-2.324984464	2.144182957
10398	EXD2	4	1	-0.644627842	-0.952249371
10399	ERH	16	1	3.623283711	3.348582543
10400	SLC39A9	1	1	-1.569157752	1.066358246
10401	SUSD6	1	1	-1.078863892	1.41281227
10402	SRSF5	16	1	3.814512578	3.281803168
10403	SMOC1	17	1	-4.274819288	3.043903626
10404	COX16	1	1	-1.393156681	0.521690018

10405	SYNJ2BP	6	1	-0.519830439	-2.48281952
10406	MED6	2	1	3.3271974	-0.354057096
10407	MAP3K9	10	1	4.086487856	-3.064951383
10408	AC004816.1	6	1	0.090000075	-3.424686395
10409	AC004816.2	18	1	-3.253041896	1.075850285
10410	AC004825.2	12	1	-2.941041622	-2.269580804
10411	PCNX1	8	1	-0.109846014	2.040046848
10412	AC004817.3	4	1	-0.325717184	-0.745117508
10413	AC005476.2	12	1	-2.764833364	-1.601487361
10414	SIPA1L1	14	1	-0.106124628	2.908971108
10415	DPF3	11	1	1.36196157	-0.370363616
10416	DCAF4	5	1	0.499438134	-2.16726657
10417	ZFYVE1	9	1	-1.759349141	0.088779099
10418	RBM25	16	1	2.762685862	3.188829459
10419	PSEN1	9	1	-0.961600694	0.147441201
10420	PAPLN	1	1	-1.592348251	0.817630596
10421	AC004846.1	13	1	-2.664668951	0.396762306
10422	AC004846.2	4	1	-0.090387005	-1.972355567
10423	NUMB	14	1	0.089338743	2.257892169
10424	AC005280.2	1	1	-2.270396385	2.124181546
10425	RIOX1	5	1	0.783799794	-2.648058616
10426	ACOT2	12	1	-2.650234374	-1.673961602
10427	ACOT4	6	1	-1.479118499	-2.884164535
10428	AC005225.2	19	2	-7.270521554	0.225288085
10429	DNAL1	6	1	-0.930314157	-2.901261293
10430	PNMA1	11	1	0.611381677	-1.258659564
10431	ELMSAN1	9	1	-0.1547443	-0.294213318
10432	AC005520.2	18	1	-2.910400543	1.554182328
10433	PTGR2	9	1	-0.44733164	-0.07406696
10434	AC005520.1	4	1	-0.122794825	-0.680679046
10435	FAM161B	9	1	-1.784136686	-0.139325224
10436	COQ6	6	1	0.174010378	-3.048021518
10437	ENTPD5	4	1	-0.517848763	-1.071708404
10438	BBOF1	18	1	-2.943640623	2.006467975
10439	ALDH6A1	1	1	-2.184899244	2.468892135
10440	LIN52	5	1	1.90998837	-3.028547727
10441	ABCD4	9	1	-0.852468821	0.584869616
10442	NPC2	3	1	1.377422896	4.988054074
10443	ISCA2	7	1	3.463296261	-1.672200881
10444	LTBP2	13	1	-2.354228649	-0.604378842
10445	AREL1	9	1	-0.517553958	-0.645253025
10446	FCF1	11	1	1.748121348	0.406854342
10447	YLPM1	7	1	2.529681054	-0.605499052

10448	DLST	8	1	-0.058533895	1.988147653
10449	RPS6KL1	5	1	1.25644466	-2.088742696
10450	PGF	8	1	0.770739642	0.467164337
10451	EIF2B2	2	1	3.571937886	-0.299228989
10452	MLH3	9	1	-1.159483466	0.521107174
10453	ACYP1	10	1	3.212516633	-3.228805982
10454	NEK9	1	1	-1.681551251	0.764886953
10455	TMED10	3	1	1.51398119	4.955320634
10456	FOS	15	1	-4.059392843	0.480655029
10457	JDP2	3	1	1.276346412	2.535281218
10458	FLVCR2	18	1	-3.937182817	2.138799466
10459	TTLL5	5	1	1.048045722	-1.756136857
10460	ERG28	2	1	4.035934773	1.216378964
10461	IFT43	18	1	-3.303487215	1.669326223
10462	TGFB3	15	1	-4.184104356	0.307720035
10463	GPATCH2I	8	1	0.559195068	1.72553388
10464	VASH1	13	1	-1.965026769	-0.239579164
10465	VASH1-AS1	12	1	-2.630157623	-1.838179074
10466	ANGEL1	1	1	-1.638517293	0.485889666
10467	IRF2BPL	14	1	-0.278279606	2.528371133
10468	AC007686.3	12	1	-3.241152439	-1.626167737
10469	LINC02288	9	1	-1.885756883	-0.061710023
10470	CIPC	9	1	-1.071980867	-0.443427287
10471	POMT2	4	1	-0.511373076	-2.038428746
10472	GSTZ1	13	1	-3.648653182	-0.553633653
10473	TMED8	5	1	1.114385572	-1.89078518
10474	SAMD15	6	1	-2.28908411	-3.551595889
10475	VIPAS39	13	1	-2.185960922	-0.029548727
10476	AHSA1	2	1	4.360931483	-0.778836332
10477	SPTLC2	11	1	1.988901701	0.406963149
10478	ALKBH1	5	1	1.130658951	-2.125931226
10479	SLIRP	16	1	3.584452477	4.023959912
10480	SNW1	16	1	2.774212208	3.451663054
10481	ADCK1	6	1	-1.6247156	-2.352768146
10482	NRXN3	8	1	0.809837547	1.058717347
10483	DIO2	17	1	-3.455148372	2.629142798
10484	CEP128	10	1	3.825652686	-3.599989139
10485	TSHR	17	1	-3.37478033	2.722844638
10486	GTF2A1	11	1	1.171200362	-0.239974879
10487	SEL1L	8	1	0.391028342	2.014424003
10488	FLRT2	15	1	-4.736775312	-0.873324
10489	GALC	1	1	-2.223914537	1.309564806
10490	SPATA7	15	1	-3.833504114	-0.915491902

10491	PTPN21	4	1	-0.49994776	-1.04715427
10492	AL162171.2	17	1	-3.832713994	2.430281676
10493	ZC3H14	7	1	2.851002303	-0.679430805
10494	TTC8	9	1	-0.577640984	0.104993619
10495	FOXN3	14	1	-0.497484657	2.408023633
10496	FOXN3-AS	12	1	-2.425836715	-2.166786872
10497	EFCAB11	10	1	3.111104813	-2.991473638
10498	TDP1	10	1	3.481688586	-3.209496938
10499	PSMC1	16	1	3.247406092	3.569324292
10500	NRDE2	4	1	-0.281111065	-1.338746511
10501	AL512791.2	12	1	-2.561417493	-1.648801528
10502	CALM1	16	1	3.637393084	3.466005362
10503	TTC7B	9	1	0.050837747	-0.606010638
10504	RPS6KA5	10	1	3.390548792	-3.571222507
10505	DGLUCY	1	1	-1.4311519	0.568662785
10506	GPR68	9	1	-0.656629118	1.085814036
10507	PPP4R3A	11	1	1.859003749	0.704179145
10508	FBLN5	13	1	-3.400546464	-0.757333003
10509	TRIP11	11	1	2.712589589	-0.401196145
10510	ATXN3	11	1	1.46256074	0.359398389
10511	NDUFB1	3	1	1.619631973	5.060339249
10512	CPSF2	11	1	2.41321167	-0.20218458
10513	RIN3	1	1	-1.597990546	0.671966202
10514	LGMN	13	1	-3.367221031	-0.390060328
10515	GOLGA5	14	1	-0.73018578	2.832546271
10516	ITPK1	5	1	0.313415882	-2.724854671
10517	ITPK1-AS1	11	1	1.006688324	-1.092846714
10518	MOAP1	4	1	-0.926506314	-0.863695704
10519	TMEM251	6	1	-0.349028799	-3.445698939
10520	GON7	6	1	-0.262194726	-3.408363305
10521	UBR7	10	1	2.680905905	-3.908470355
10522	BTBD7	11	1	2.162494746	-0.071598433
10523	OTUB2	4	1	-1.705205354	-1.472887717
10524	DDX24	16	1	2.867240277	3.53445629
10525	IFI27L1	2	1	3.60965189	0.257114768
10526	IFI27	12	1	-2.398789558	-1.486769639
10527	IFI27L2	3	1	2.196044055	5.148202695
10528	PPP4R4	1	1	-2.616158637	1.929493941
10529	GSC	15	1	-4.562635335	-1.39331802
10530	DICER1	8	1	1.541978088	1.134105839
10531	DICER1-AS	1	1	-1.958885107	2.443625964
10532	CLMN	13	1	-2.418088111	-0.580415927
10533	SYNE3	9	1	-0.196674216	-0.235912703

10534	SNHG10	20	1	-0.956741962	-4.458020412
10535	GLRX5	2	1	4.716710177	1.359937764
10536	C14orf132	1	1	-2.094839963	2.666404761
10537	BDKRB2	17	1	-3.054754171	2.598311938
10538	BDKRB1	17	1	-2.982087764	2.760215081
10539	AL355102.4	1	1	-2.120735559	2.579556741
10540	ATG2B	4	1	-0.792019162	-0.500241302
10541	GSKIP	11	1	0.720128801	-1.199178778
10542	AL163051.1	20	1	-0.929820332	-4.334977828
10543	PAPOLA	16	1	2.72658762	3.218871392
10544	AL137786.1	13	1	-2.018414173	-0.32591673
10545	VRK1	10	1	3.176849928	-3.61143037
10546	SETD3	8	1	0.931119767	1.835451282
10547	CCNK	11	1	2.608405438	-0.334557615
10548	CCDC85C	5	1	1.271815506	-1.26331266
10549	HHIPL1	12	1	-2.199403438	-1.920586072
10550	EML1	5	1	0.663266566	-2.541351281
10551	EVL	18	1	-3.270549688	1.629363216
10552	DEGS2	1	1	-2.316216382	2.836275853
10553	AL133523.1	5	1	1.158032027	-1.999124013
10554	YY1	3	1	2.123992529	3.659295358
10555	SLC25A29	11	1	0.617001262	-1.253451668
10556	WARS	3	1	1.572150794	2.717615641
10557	WDR25	6	1	-1.024439368	-2.779597722
10558	MEG3	3	1	0.825358	4.561025895
10559	AL117190.1	1	1	-1.449708018	1.440631546
10560	RTL1	1	1	-1.053032789	1.319964684
10561	MEG8	14	1	-0.562125954	2.584759272
10562	MEG9	13	1	-3.042926702	0.557546399
10563	PPP2R5C	7	1	1.888118234	-0.35411533
10564	AL118558.3	20	1	-1.437462601	-3.895399295
10565	DYNC1H1	3	1	2.367434111	2.900489844
10566	HSP90AA1	16	1	3.425059405	3.280463017
10567	WDR20	11	1	0.820122686	-1.411146842
10568	MOK	8	1	1.035522726	0.109086133
10569	ZNF839	5	1	0.35665774	-2.348298989
10570	CINP	2	1	3.532368031	1.280684091
10571	TECPR2	6	1	-0.694850835	-2.335176431
10572	ANKRD9	10	1	2.222653237	-3.309441768
10573	RCOR1	7	1	2.416740742	-1.308657013
10574	TRAF3	8	1	0.769142535	0.193980135
10575	AMN	1	1	-1.777277622	2.898592748
10576	CDC42BPB	11	1	1.61359283	0.947110034

10577	LBHD2	12	1	-2.893479738	-2.080387078
10578	TNFAIP2	1	1	-2.485504779	2.416313208
10579	AL161669.3	13	1	-2.797821435	0.728484429
10580	EIF5	16	1	3.330057469	3.195732869
10581	MARK3	8	1	1.202680078	1.246792771
10582	CKB	11	1	1.327789512	-0.356628798
10583	TRMT61A	7	1	2.184419241	-2.529075347
10584	BAG5	11	1	2.286977854	-0.089305513
10585	KLC1	8	1	0.734037724	1.898189105
10586	APOPT1	2	1	3.198961106	1.061132408
10587	AL049840.1	1	1	-0.419472012	1.445421614
10588	XRCC3	10	1	2.695136157	-3.874704086
10589	ZFYVE21	2	1	3.310539094	0.214006819
10590	PPP1R13B	5	1	0.442285803	-1.990192853
10591	ATP5MPL	3	1	1.937594858	5.122791566
10592	LINC02280	9	1	-0.005842413	0.119093425
10593	INF2	7	1	1.74797937	-0.840048872
10594	ADSSL1	1	1	-2.294131908	2.998617448
10595	SIVA1	2	1	4.675606814	1.391530789
10596	AKT1	7	1	2.803360072	-1.163041555
10597	ZBTB42	4	1	-1.109341297	-1.644324742
10598	LINC00638	1	1	-1.329575929	2.024015941
10599	AL583810.1	8	1	0.475688425	1.630739726
10600	CEP170B	4	1	-0.675521943	-1.337104045
10601	AHNAK2	4	1	-0.218508783	-1.653660737
10602	CLBA1	6	1	-1.208572897	-2.018686496
10603	CDCA4	10	1	2.879026976	-4.077859603
10604	LINC02298	18	1	-2.828153047	1.4699587
10605	NUDT14	12	1	-2.277962598	-2.494134627
10606	BRF1	5	1	0.272532415	-2.445126735
10607	BTBD6	2	1	4.16763505	0.003741659
10608	PACS2	4	1	-1.440004262	-1.524501167
10609	AL928654.1	6	1	-0.05958103	-3.226824723
10610	MTA1	8	1	0.247922641	1.935255088
10611	CRIP2	8	1	0.953077581	-0.015657895
10612	CRIP1	6	1	-1.282285008	-3.499045812
10613	TEDC1	10	1	3.670786229	-3.647193633
10614	TMEM121	6	1	-1.027741346	-2.948951207
10615	NIPA1	13	1	-2.769387636	0.538906015
10616	NIPA2	2	1	3.662523356	-0.376590096
10617	CYFIP1	11	1	1.768638101	0.667742707
10618	TUBGCP5	10	1	2.062486258	-3.263203584
10619	NDN	2	1	4.024075118	1.161373354

10620	SNRPN	3	1	2.016099659	5.013912953
10621	SNURF	9	1	-1.357043061	0.239170082
10622	AC124312.1	1	1	-1.540160093	1.325191892
10623	PWAR6	1	1	-1.431006345	1.294173099
10624	UBE3A	11	1	2.370138732	0.180928878
10625	ATP10A	4	1	-1.696125898	-1.100626312
10626	GABRB3	15	1	-3.980098638	0.137547679
10627	GABRA5	4	1	-1.858210358	-0.893461667
10628	OCA2	6	1	-1.97817913	-3.142720901
10629	HERC2	11	1	2.387076464	-0.476387106
10630	GOLGA8M	13	1	-2.872326288	0.049930371
10631	GOLGA6L7	15	1	-3.85940257	-1.203599297
10632	APBA2	1	1	-1.571176919	0.603874393
10633	NSMCE3	17	1	-3.352862033	2.311485804
10634	AC022613.1	4	1	-0.63317487	-1.472403728
10635	TJP1	2	1	3.060687867	-0.325631164
10636	RHGAP11	10	1	3.952657548	-3.540105306
10637	AC091057.6	10	1	3.894614783	-3.56621524
10638	AC091057.4	10	1	3.881554451	-3.440616809
10639	FAN1	9	1	-0.678688797	0.005783655
10640	MTMR10	9	1	-0.899814639	0.023199387
10641	KLF13	5	1	-0.428307983	-2.369045697
10642	LINC02256	18	1	-3.00420228	1.647043265
10643	GOLGA8N	1	1	-1.888066325	1.938079871
10644	RHGAP11	10	1	4.251355734	-3.520372115
10645	SCG5	13	1	-3.440950784	-0.167895697
10646	AC090877.2	4	1	-1.921395812	-0.973813735
10647	GREM1	8	1	0.386992839	0.980149962
10648	FMN1	8	1	0.844232288	0.434207476
10649	AC010809.2	12	1	-1.846277151	-2.209037505
10650	AC010809.1	13	1	-2.109902772	0.043294646
10651	AVEN	12	1	-2.869601402	-1.171277724
10652	CHRM5	12	1	-3.263390455	-2.765583955
10653	EMC7	14	1	-0.34085277	3.952045001
10654	PGBD4	9	1	-1.025529656	-0.487291716
10655	KATNBL1	11	1	1.873654094	0.411859855
10656	EMC4	2	1	4.701973048	-0.015427403
10657	SLC12A6	9	1	-1.328222546	0.201254733
10658	NOP10	3	1	3.161600915	4.50927905
10659	LPCAT4	1	1	-0.565283033	1.401809491
10660	GOLGA8A	1	1	-1.270891103	1.20814643
10661	GOLGA8B	1	1	-0.895544145	1.142478741
10662	ACTC1	1	1	-1.886835727	2.753641404

10663	AQR	7	1	2.587490883	-1.155880772
10664	ZNF770	8	1	0.323035982	2.071581401
10665	DPH6	5	1	1.071462122	-3.201423608
10666	C15orf41	5	1	-0.203755233	-2.668068372
10667	MEIS2	6	1	-1.078158173	-3.217338763
10668	LINC01852	19	2	-6.983236703	0.186959974
10669	SPRED1	8	1	0.346183118	1.662848271
10670	FAM98B	7	1	2.360511628	-0.930723034
10671	RASGRP1	8	1	-0.380713675	1.805669822
10672	AC013652.1	12	1	-3.070207271	-1.55894085
10673	C15orf54	4	1	-2.181490097	-1.195366822
10674	THBS1	8	1	0.336724338	1.273327566
10675	AC037198.2	8	1	0.173866105	1.033447303
10676	FSIP1	6	1	-0.542289767	-3.101186477
10677	GPR176	8	1	0.98102006	1.421061076
10678	EIF2AK4	16	1	2.922153321	3.104023017
10679	SRP14	3	1	2.276759472	5.093302525
10680	SRP14-AS1	13	1	-2.173044357	-0.460391186
10681	BMF	17	1	-3.236429605	2.65886835
10682	BUB1B	10	1	4.43147811	-3.537374221
10683	PLCB2	5	1	1.581335631	-1.715481244
10684	INAFM2	1	1	-1.442866001	0.607376061
10685	CCDC9B	9	1	-1.169666085	0.236929156
10686	DISP2	12	1	-2.427884492	-2.127263271
10687	KNSTRN	10	1	4.532612887	-3.211002551
10688	IVD	2	1	3.126646605	-0.327131652
10689	BAHD1	4	1	-0.672369036	-0.881120883
10690	CHST14	4	1	-0.275597039	-1.849346839
10691	CCDC32	6	1	-0.520096633	-3.143567763
10692	RPUSD2	5	1	1.405744997	-3.092020236
10693	KNL1	10	1	4.412229624	-3.48813387
10694	RAD51	10	1	2.817747679	-4.009586536
10695	RMDN3	5	1	-0.075374755	-2.646493636
10696	GCHFR	6	1	-1.159357938	-3.454230987
10697	DNAJC17	5	1	1.950579968	-2.774833881
10698	ZFYVE19	5	1	1.253407684	-3.104788266
10699	SPINT1	1	1	-1.240110907	1.742453851
10700	VPS18	6	1	-0.752428147	-2.599924289
10701	CHAC1	3	1	1.288204518	2.570238627
10702	INO80	7	1	2.465728131	-1.384007894
10703	AC020661.3	17	1	-4.141935262	3.116889752
10704	CHP1	14	1	-0.487963411	2.947424926
10705	OIP5	10	1	4.453740206	-3.51931306

10706	NUSAP1	10	1	4.365895358	-3.309293948
10707	NDUFAF1	5	1	1.115284052	-3.226817571
10708	RTF1	16	1	3.327465621	3.57023672
10709	ITPKA	11	1	1.245731202	0.007015116
10710	RPAP1	5	1	1.443080035	-2.02652403
10711	TYRO3	5	1	1.18835887	-2.951927148
10712	MGA	5	1	0.913379279	-1.471447669
10713	AC073657.1	17	1	-4.77952424	3.249061145
10714	MAPKBP1	4	1	-0.405386093	-1.971302711
10715	SPTBN5	6	1	-1.117737565	-2.818657123
10716	EHD4	7	1	3.078184929	-1.189403855
10717	VPS39	9	1	-1.534149203	0.120029487
10718	TMEM87A	11	1	1.619619933	0.810941197
10719	GANC	4	1	-0.228826109	-1.718309842
10720	AC012651.1	9	1	-1.230127725	0.70140434
10721	CAPN3	15	1	-3.988404664	-1.722682439
10722	ZNF106	11	1	2.772517767	0.115976281
10723	SNAP23	14	1	-0.288568351	3.012666024
10724	LRRC57	9	1	0.146144715	-0.50712999
10725	HAUS2	10	1	2.758316603	-3.022428476
10726	STARD9	1	1	-0.720993313	1.389396943
10727	CDAN1	10	1	3.26973733	-2.92188903
10728	TTBK2	1	1	-0.935758385	1.914994396
10729	UBR1	11	1	1.094122258	-0.879891955
10730	TMEM62	9	1	0.271901753	-0.484284722
10731	CCNDBP1	11	1	2.019563761	1.233364798
10732	LCMT2	5	1	-0.122565049	-2.539704047
10733	ADAL	12	1	-3.09383646	-1.626869641
10734	ZSCAN29	9	1	-0.537895474	-0.090864472
10735	TUBGCP4	7	1	1.924159494	-2.085503064
10736	TP53BP1	11	1	1.666287032	0.908801056
10737	MAP1A	4	1	-2.058224115	-1.52041658
10738	PPIP5K1	4	1	-0.192147958	-1.061076246
10739	STRC	1	1	-1.648571763	2.010716714
10740	CATSPER2	1	1	-1.61336759	0.438968975
10741	PDIA3	3	1	1.420982566	4.649407185
10742	SERF2	3	1	1.971907464	5.277817048
10743	HYPK	9	1	-1.449716362	-0.169233583
10744	MFAP1	3	1	1.584961143	2.147389211
10745	WDR76	10	1	2.457151499	-4.141078674
10746	FRMD5	11	1	0.793950942	-0.353554212
10747	CASC4	14	1	-0.170597154	2.388181247
10748	CTDSPL2	10	1	2.629761067	-3.08837267

10749	EIF3J-DT	1	1	-2.002820644	1.167790748
10750	EIF3J	3	1	1.996491161	4.27569393
10751	SPG11	9	1	-0.434638742	0.084757216
10752	B2M	3	1	1.460735765	5.030674256
10753	TRIM69	10	1	4.209270564	-3.153443299
10754	SORD	7	1	2.100935307	-2.101876699
10755	DUOX1	1	1	-1.794804725	2.360059418
10756	SHF	13	1	-3.362349662	-0.176272594
10757	SPATA5L1	5	1	1.349449363	-1.813868247
10758	C15orf48	1	1	-2.109542999	2.883958377
10759	SLC30A4	9	1	-1.503061923	-0.288600944
10760	BLOC1S6	11	1	2.220325079	0.031150348
10761	SQOR	1	1	-2.455247316	1.116134085
10762	SEMA6D	8	1	0.847667125	0.411911718
10763	MYEF2	7	1	1.88217124	-1.015063726
10764	DUT	10	1	3.813994494	-2.469432555
10765	FBN1	3	1	0.611498442	4.568260468
10766	AC084757.3	4	1	-1.43276647	-0.880811058
10767	CEP152	10	1	3.52823886	-3.70214244
10768	SHC4	1	1	-2.487477455	1.38884715
10769	EID1	16	1	3.628192273	4.210738219
10770	SECISBP2L	8	1	-0.022120583	1.827122606
10771	COPS2	14	1	-0.80460504	3.533723391
10772	GALK2	9	1	0.256467414	-0.185056292
10773	FAM227B	13	1	-2.774561796	0.175388507
10774	AC022306.2	9	1	-1.484130773	-0.136813067
10775	FGF7	17	1	-3.06931344	2.774146355
10776	DTWD1	14	1	-0.950735125	3.498163499
10777	ATP8B4	17	1	-3.255860004	2.635858811
10778	GABPB1	10	1	2.823074427	-2.865222417
10779	GABPB1-AS	20	1	-0.89771578	-4.508032046
10780	USP8	11	1	1.904230323	0.699313856
10781	TRPM7	9	1	0.073103257	0.167926602
10782	AC084756.1	3	1	2.056815234	3.058675088
10783	SPPL2A	11	1	2.310704794	0.202139176
10784	AP4E1	9	1	-0.161302078	0.056539513
10785	TNFAIP8L3	8	1	0.582953301	0.375185668
10786	DMXL2	1	1	-1.47617999	1.062902011
10787	LYSMD2	5	1	1.280971971	-2.59227749
10788	TMOD2	12	1	-2.154287252	-2.204921924
10789	TMOD3	11	1	2.291077939	-0.060666852
10790	LEO1	2	1	3.627417889	-0.665254794
10791	MAPK6	14	1	-0.276323679	3.071399487

10792	AC023906.5	9	1	-0.353301051	0.325697064
10793	BCL2L10	13	1	-2.266787443	-0.370955728
10794	GNB5	9	1	-0.947071943	0.454413764
10795	MYO5A	7	1	1.797089186	-1.177962624
10796	ARPP19	8	1	0.900158968	1.971363939
10797	FAM214A	9	1	-1.821118984	0.119385727
10798	RSL24D1	3	1	1.26342484	4.574223794
10799	RAB27A	11	1	0.572374192	-0.415094577
10800	PIGBOS1	6	1	-0.197335634	-3.189535104
10801	PIGB	4	1	-1.265780959	-1.53586682
10802	CCPG1	13	1	-3.508625421	-0.41403421
10803	C15orf65	15	1	-3.958640966	-1.44507619
10804	DNAAF4	6	1	-1.363313469	-3.443141423
10805	PYGO1	9	1	-0.89347193	0.63885466
10806	PRTG	5	1	0.180778083	-2.860063754
10807	NEDD4	8	1	1.080195752	1.436621345
10808	RFX7	9	1	-1.113921318	-0.26541885
10809	TEX9	12	1	-2.998447809	-2.91914817
10810	MNS1	10	1	3.186626044	-3.625087463
10811	ZNF280D	1	1	-0.978675875	2.017584361
10812	TCF12	11	1	2.467799035	-0.356612466
10813	LINC00926	15	1	-4.34937087	-1.181112491
10814	CGNL1	4	1	-1.60107306	-0.662906371
10815	GCOM1	8	1	0.380164352	0.577483915
10816	MYZAP	8	1	0.544910398	0.409067726
10817	POLR2M	9	1	-0.708683285	0.670518942
10818	LIPC	15	1	-4.457095537	-0.045955174
10819	ADAM10	14	1	0.145803471	2.410218753
10820	MINDY2	14	1	-0.874237511	2.674105443
10821	RNF111	4	1	-0.538744661	-1.024334394
10822	SLTM	2	1	3.52188715	-0.688187681
10823	CCNB2	10	1	4.410170641	-2.923519336
10824	MYO1E	1	1	-0.319472763	2.185175337
10825	GTF2A2	2	1	4.711908427	1.348886408
10826	BNIP2	11	1	2.388530341	0.087831236
10827	AC092755.2	6	1	-1.194293889	-2.865123473
10828	ANXA2	3	1	2.702845183	4.642685212
10829	ICE2	11	1	0.618010548	-0.367468439
10830	RORA	1	1	-2.370592746	2.837746657
10831	VPS13C	8	1	1.347109523	1.153431274
10832	C2CD4A	17	1	-3.456258449	2.644264497
10833	TLN2	5	1	1.276360837	-2.936695062
10834	AC103740.1	13	1	-3.364742431	-0.714687906

10835	AC103740.2	12	1	-2.263104352	-2.040142022
10836	TPM1	3	1	2.042058077	4.57456664
10837	TPM1-AS	1	1	-1.004384193	2.020739712
10838	AC079328.2	1	1	-1.197951469	1.835697807
10839	LACTB	2	1	3.784105864	-0.094242238
10840	RPS27L	3	1	2.406425324	5.074275292
10841	RAB8B	14	1	-0.709129366	2.604272164
10842	APH1B	12	1	-2.748458061	-1.175627671
10843	CA12	1	1	-1.680481944	3.022079982
10844	AC007950.2	6	1	-1.70101336	-2.669476234
10845	USP3	11	1	2.410411206	-0.051746093
10846	FBXL22	13	1	-3.347586069	-0.813352905
10847	HERC1	11	1	1.201139298	-0.397613786
10848	FAM96A	7	1	2.951594439	-0.765490137
10849	SNX1	11	1	2.018680659	-0.126851998
10850	PPIB	3	1	1.532445279	4.97639016
10851	CSNK1G1	4	1	0.148113248	-1.482391559
10852	PCLAF	10	1	4.051178542	-2.288850747
10853	TRIP4	7	1	1.577351418	-0.723149859
10854	ZNF609	8	1	0.390359518	1.104393042
10855	OAZ2	2	1	3.964904871	0.372775723
10856	AC100830.1	17	1	-4.74833146	2.639123477
10857	RBPM5	5	1	1.145899859	-2.915683709
10858	PIF1	10	1	4.067224589	-3.315348827
10859	PLEKHO2	9	1	-1.168238196	-0.287207745
10860	ANKDD1A	1	1	-1.747643265	2.346405901
10861	AC103691.1	6	1	-1.314328346	-3.320901834
10862	SPG21	8	1	0.959377792	1.9496179
10863	MTFMT	5	1	0.436384228	-2.257265531
10864	UBAP1L	1	1	-1.482708368	2.335567154
10865	PDCD7	2	1	3.708393899	-0.428515278
10866	CLPX	11	1	1.991150346	0.194720857
10867	CILP	15	1	-4.792139444	-1.062621676
10868	PARP16	1	1	-2.088211212	2.50106696
10869	IGDCC4	1	1	-1.696046266	2.14759735
10870	DPP8	11	1	1.993733492	-0.288265012
10871	HACD3	7	1	3.306588021	-1.16189953
10872	INTS14	11	1	0.827110675	-1.04387077
10873	SLC24A1	4	1	-1.085369143	-0.668507777
10874	DENND4A	9	1	-0.552333626	0.252948351
10875	RAB11A	3	1	1.09617683	4.347117223
10876	DIS3L	5	1	1.583890405	-3.073348247
10877	AC055855.1	7	1	3.048461524	-2.636239968

10878	TIPIN	10	1	2.577879277	-3.580476724
10879	MAP2K1	8	1	0.599808958	1.950661577
10880	AC116913.1	6	1	-0.649193618	-3.380100213
10881	SNAPC5	2	1	3.970982399	0.034461684
10882	RPL4	3	1	2.119347182	5.56088952
10883	ZWILCH	10	1	3.295116988	-3.24020239
10884	LCTL	13	1	-3.167601976	-1.020843588
10885	SMAD6	15	1	-3.773376379	-1.150720202
10886	LINC02206	8	1	0.380033371	1.031350948
10887	AC087482.1	6	1	-2.184191856	-3.751790725
10888	SMAD3	14	1	0.189683911	2.232043184
10889	AC012568.1	1	1	-1.762970242	2.922187604
10890	AAGAB	7	1	1.844354716	-1.625144683
10891	IQCH	5	1	0.144711581	-2.796149455
10892	IQCH-AS1	4	1	-1.903004322	-1.617745482
10893	C15orf61	2	1	3.110661593	0.425804984
10894	MAP2K5	1	1	-1.844072017	1.983410515
10895	SKOR1	13	1	-1.967422876	-0.030987106
10896	PIAS1	11	1	1.154278365	-0.237526976
10897	CLN6	10	1	2.329686966	-3.447084151
10898	FEM1B	8	1	0.24845278	1.308753647
10899	ITGA11	15	1	-4.242638025	-0.77300378
10900	CORO2B	5	1	1.300571051	-1.806688987
10901	ANP32A	16	1	3.501394835	2.985097445
10902	GLCE	11	1	0.855672327	-0.369149767
10903	PAQR5	8	1	0.655123201	0.115192868
10904	AC027237.3	12	1	-3.098864469	-1.486218415
10905	KIF23	10	1	4.124837962	-3.583871804
10906	RPLP1	3	1	2.207331982	5.607069291
10907	TLE3	1	1	-0.682993683	2.242701448
10908	SALRNA2	12	1	-2.75159851	-2.958669387
10909	UACA	16	1	3.177266207	2.889386453
10910	LARP6	16	1	3.942735281	3.791042365
10911	LRRC49	11	1	0.654766288	-0.368151389
10912	THAP10	10	1	3.358954278	-3.350816928
10913	THSD4	14	1	0.15333568	2.495202817
10914	NR2E3	4	1	0.326624361	-1.020287119
10915	MYO9A	11	1	0.887554017	-0.278077267
10916	SENP8	6	1	-0.946492466	-3.127361499
10917	PKM	3	1	3.10973939	4.132710255
10918	PARP6	4	1	-1.69208971	-0.445113205
10919	HEXA	14	1	-0.628634128	4.105588712
10920	ARIH1	14	1	0.070662577	2.189285673

10921	AC100827.4	17	1	-4.023307237	2.732939519
10922	BBS4	6	1	-1.423629198	-2.913757764
10923	ADPGK	7	1	1.625221339	-0.911986076
10924	NEO1	12	1	-2.759785566	-2.059598409
10925	NPTN	14	1	0.037483568	2.37850932
10926	CD276	4	1	-2.056211624	-0.862743698
10927	LOXL1-AS1	8	1	0.126832184	1.008439101
10928	LOXL1	12	1	-2.515240344	-1.667670213
10929	STOML1	5	1	1.229557004	-2.958709918
10930	PML	1	1	-0.950398359	2.277296461
10931	ISLR2	10	1	2.008327213	-4.219565593
10932	AC010931.2	13	1	-3.013837251	-0.284051739
10933	ISLR	15	1	-4.493264112	-1.400847756
10934	STRA6	15	1	-3.71394864	-2.28510233
10935	CCDC33	6	1	-2.010436687	-3.550313913
10936	CYP11A1	12	1	-3.24965063	-1.120549761
10937	SEMA7A	5	1	1.682745185	-1.758128844
10938	UBL7	2	1	3.893000451	1.142590143
10939	UBL7-AS1	10	1	3.440053072	-3.586882554
10940	ARID3B	9	1	0.045996911	-0.038561307
10941	CLK3	14	1	-1.714339408	3.276039399
10942	EDC3	5	1	0.273267281	-2.16301819
10943	CYP1A2	15	1	-4.877030763	-1.052508198
10944	CSK	7	1	3.196014014	-1.19930812
10945	ULK3	5	1	0.56875619	-2.840627633
10946	SCAMP2	2	1	4.091010657	0.841361649
10947	MPI	13	1	-2.11141077	0.395886659
10948	FAM219B	9	1	-0.821406815	0.3231044
10949	COX5A	16	1	3.525845852	4.339098014
10950	RPP25	12	1	-3.410823259	-2.455574714
10951	SCAMP5	12	1	-2.281022224	-2.359463416
10952	PPCDC	5	1	1.09635767	-3.149870359
10953	C15orf39	4	1	-1.309463176	-1.227842055
10954	COMMD4	2	1	4.512762633	-0.385168813
10955	NEIL1	9	1	-1.679300222	0.044352151
10956	MAN2C1	9	1	0.006396509	-0.636692606
10957	AC068338.2	6	1	-1.539443526	-3.706380092
10958	SIN3A	11	1	0.850312975	-1.304769956
10959	PTPN9	4	1	0.158466515	-1.026024781
10960	SNUPN	3	1	1.744447318	2.015765108
10961	IMP3	2	1	4.4168888	0.110515959
10962	SNX33	1	1	-1.51180664	0.708695061
10963	CSPG4	7	1	1.868000236	-0.683849655

10964	AC105020.1	1	1	-1.767833743	2.549393929
10965	UBE2Q2	11	1	2.592819539	-0.273859643
10966	FBXO22	2	1	3.38289198	-0.3519248
10967	ETFA	2	1	4.281396475	-0.144340657
10968	SCAPER	4	1	0.217427519	-0.896749936
10969	RCN2	3	1	1.969083038	4.354025639
10970	PSTPIP1	1	1	-1.285944733	1.756757177
10971	TSPAN3	15	1	-3.999392423	-1.008305751
10972	PEAK1	8	1	1.231619802	1.189102389
10973	HMG20A	9	1	-0.448299858	0.150292523
10974	AC046168.2	12	1	-3.186415109	-2.208717309
10975	TBC1D2B	9	1	-0.773244831	0.352281857
10976	CIB2	12	1	-3.097672853	-2.481284104
10977	IDH3A	7	1	3.148574439	-1.474378787
10978	DNAJA4	6	1	-0.967964563	-2.396945201
10979	WDR61	2	1	4.438281146	0.662813999
10980	IREB2	11	1	1.432866898	-0.092466645
10981	HYKK	12	1	-2.544340286	-1.407646381
10982	PSMA4	16	1	3.715614405	3.300076283
10983	CHRNA5	10	1	2.519133177	-3.79918214
10984	ADAMTS7	12	1	-2.441904697	-1.491356097
10985	MORF4L1	3	1	1.940854874	4.490273274
10986	CTSH	19	2	-6.416153821	0.328714847
10987	TMED3	3	1	1.323011485	4.953049935
10988	KIAA1024	9	1	-0.672187421	0.914986707
10989	MTHFS	13	1	-2.485732231	-0.052264832
10990	ST20	12	1	-1.748712096	-2.090237342
10991	ST20-AS1	12	1	-2.828791294	-1.433620654
10992	BCL2A1	17	1	-3.885565671	2.93331293
10993	ZFAND6	2	1	3.579089489	-0.33598169
10994	FAH	2	1	3.965085831	1.032615281
10995	ARNT2	8	1	0.769356218	0.566752203
10996	ABHD17C	8	1	0.354218152	0.212741591
10997	CEMIP	8	1	0.323780027	1.039286174
10998	MESD	3	1	2.286358443	4.481761731
10999	AC068870.2	12	1	-2.483154449	-2.623632394
11000	TLNRD1	7	1	2.891785946	-2.374809943
11001	IL16	9	1	-0.629864904	0.553489722
11002	STARD5	13	1	-3.289790067	0.05687461
11003	TMC3-AS1	12	1	-3.373290452	-1.296410524
11004	AC109809.1	1	1	-2.148396167	2.456195392
11005	MEX3B	12	1	-2.224717769	-2.676109992
11006	LINC01583	8	1	0.704507199	0.429482527

11007	EFL1	11	1	0.899564651	-0.804099523
11008	GOLGA6L1	9	1	-0.233201328	0.592163197
11009	GOLGA6L9	9	1	-0.33858228	0.732009001
11010	RPS17	3	1	1.134294119	4.244584836
11011	CPEB1	18	1	-3.394870672	1.374576963
11012	CPEB1-AS1	9	1	-0.4022598	0.864223547
11013	AP3B2	15	1	-4.315976057	-0.345690809
11014	SNHG21	20	1	-0.846587452	-4.351130687
11015	WHAMM	9	1	-0.01524705	0.425952401
11016	RAMMET	2	1	4.220793334	0.18216867
11017	C15orf40	2	1	4.482181159	0.398172775
11018	BTBD1	11	1	0.784896281	-1.319267236
11019	TM6SF1	3	1	1.205887881	2.451247252
11020	HDGFL3	2	1	3.477133599	-0.663868748
11021	BNC1	4	1	-0.083707544	-1.167149864
11022	SH3GL3	15	1	-3.34119955	-1.730509721
11023	ADAMTSL3	12	1	-3.155294332	-2.439976894
11024	GOLGA6L4	9	1	-1.114839825	-0.456042432
11025	ZSCAN2	6	1	-0.50746921	-3.847910606
11026	WDR73	6	1	-0.145024392	-3.113408052
11027	NMB	6	1	-1.504744563	-3.469007217
11028	SEC11A	3	1	2.532774296	5.070209779
11029	ZNF592	4	1	-0.390183511	-1.504410587
11030	ALPK3	4	1	-1.89037517	-1.064247452
11031	SLC28A1	17	1	-4.800796899	3.262294091
11032	PDE8A	11	1	0.485080448	-0.37945249
11033	AKAP13	8	1	0.428521243	1.862612285
11034	AC021739.4	8	1	0.394792822	2.215383328
11035	AC021739.3	1	1	-1.446705851	0.656070418
11036	KLHL25	4	1	-0.257177237	-1.575610124
11037	LINC00052	18	1	-3.490870866	0.826718576
11038	NTRK3	6	1	-1.979706201	-3.278913699
11039	MRPL46	2	1	4.25110158	-0.600010775
11040	MRPS11	2	1	4.496917334	0.136130623
11041	DET1	5	1	0.012074494	-2.630075418
11042	AEN	5	1	0.870382515	-1.767026626
11043	ISG20	8	1	-0.274242345	1.194444991
11044	ACAN	15	1	-4.335367593	-1.784023963
11045	HAPLN3	13	1	-2.676523599	-0.13849821
11046	MFGE8	3	1	0.704706696	4.639593877
11047	ABHD2	7	1	2.038141814	-1.403307639
11048	FANCI	10	1	3.284024802	-3.485336744
11049	POLG	1	1	-0.636948618	1.398855604

11050	TICRR	10	1	3.490519133	-3.790170871
11051	KIF7	4	1	0.066734285	-1.995738946
11052	PEX11A	12	1	-2.0139958	-1.780625545
11053	MESP1	8	1	0.866079715	0.599089823
11054	MESP2	5	1	1.218690362	-3.526617728
11055	ANPEP	14	1	-1.193825874	2.66323141
11056	AP3S2	1	1	-1.310406479	0.907568909
11057	ARPIN	5	1	1.788321581	-2.998566114
11058	ZNF710	4	1	0.229655188	-1.354409538
11059	ZNF710-AS	1	1	-1.684820804	1.64935068
11060	IDH2	3	1	2.093577948	5.011091985
11061	SEMA4B	1	1	-0.894428882	1.454627193
11062	CIB1	3	1	3.170518723	4.597230233
11063	GDPGP1	12	1	-1.668248329	-2.075894557
11064	NGRN	4	1	-0.516760025	-1.225588165
11065	AC091167.6	12	1	-2.809629354	-1.065147959
11066	ZNF774	9	1	-1.631394896	-0.025243096
11067	IQGAP1	3	1	1.677190629	4.098035373
11068	CRTC3	4	1	-1.368319425	-0.388995193
11069	BLM	10	1	2.906801072	-3.953823291
11070	FURIN	7	1	1.881191102	-0.832064711
11071	FES	5	1	1.179707017	-3.018647395
11072	MAN2A2	4	1	0.344918516	-1.14972087
11073	HDDC3	2	1	3.898731318	-0.537356578
11074	UNC45A	11	1	1.937256065	0.02138076
11075	RCCD1	10	1	3.10692009	-3.203357898
11076	PRC1	10	1	4.455749121	-3.077790939
11077	PRC1-AS1	10	1	4.299887744	-3.107372008
11078	VPS33B	4	1	-0.243705157	-1.212057911
11079	SLCO3A1	4	1	-1.510694417	-1.691315852
11080	AC013394.1	1	1	-1.361779842	1.057482995
11081	CHD2	14	1	-0.222893182	2.535358228
11082	MCTP2	1	1	-2.488881263	2.656957187
11083	NR2F2-AS1	4	1	-0.262347552	-2.030106269
11084	NR2F2	16	1	3.4943293	2.759581841
11085	AC103746.1	20	1	-1.031023535	-4.02389928
11086	ARRDC4	1	1	-1.798845801	1.873711981
11087	IGF1R	1	1	-0.606910321	2.400036372
11088	SYNM	13	1	-2.696534547	-0.932974182
11089	TTC23	4	1	-1.418705735	-0.533943735
11090	AC036108.3	13	1	-2.641877803	-0.966299974
11091	LRRC28	12	1	-3.258059415	-1.183065735
11092	AC015660.4	17	1	-4.792558584	3.285395421

11093	MEF2A	8	1	1.27405962	0.890195764
11094	LYSMD4	6	1	-1.279324684	-2.611213885
11095	ADAMTS17	6	1	-2.402353677	-3.235552751
11096	SPATA41	15	1	-4.501684103	-1.147533737
11097	LINS1	5	1	0.707598236	-1.660110675
11098	ASB7	9	1	-0.667229447	0.320300881
11099	AC015712.1	18	1	-2.751499328	1.414002932
11100	ALDH1A3	3	1	1.46479949	2.416093863
11101	LRRK1	9	1	-0.66669974	0.598847724
11102	CHSY1	1	1	-0.254595134	2.230597771
11103	SELENOS	3	1	2.014076796	4.910588063
11104	SNRPA1	7	1	3.997741547	-1.193682395
11105	PCSK6	13	1	-3.242720279	-0.481336378
11106	TM2D3	11	1	1.635422078	0.814234026
11107	TARSL2	14	1	-1.121960554	3.396432198
11108	POLR3K	7	1	3.75259718	-1.498203121
11109	SNRNP25	2	1	4.459758368	0.485822357
11110	RHBDF1	4	1	-0.657551321	-1.878663264
11111	MPG	3	1	2.32635006	5.037893094
11112	NPRL3	2	1	3.400176373	-0.337682568
11113	HBQ1	12	1	-1.972437534	-2.795733653
11114	LUC7L	7	1	2.784790602	-0.710674726
11115	FAM234A	14	1	-0.797670099	3.337631501
11116	AC004754.1	15	1	-3.907636079	0.239302687
11117	RGS11	13	1	-2.410570774	-0.90473374
11118	ARHGDIG	12	1	-2.794781122	-1.648277246
11119	PDIA2	15	1	-4.065454397	-0.635378204
11120	AXIN1	11	1	0.770698157	-0.657724463
11121	MRPL28	16	1	4.035638657	3.099314727
11122	TMEM8A	13	1	-2.701763544	-0.520467006
11123	NME4	3	1	2.606636849	5.121129311
11124	DECR2	6	1	-1.076617631	-2.67750188
11125	AL023881.1	4	1	-1.194585356	-1.60170468
11126	RAB11FIP3	4	1	-0.081710893	-0.791697346
11127	CAPN15	5	1	1.065030423	-1.895533048
11128	PIGQ	5	1	-0.008909813	-2.419425212
11129	RAB40C	9	1	-1.522350344	-0.141187154
11130	WFIKK1	17	1	-4.353229913	3.137084521
11131	METTL26	3	1	2.309950915	4.820478715
11132	MCRIP2	2	1	3.409225789	0.81931857
11133	WDR90	5	1	1.979410496	-3.29687997
11134	RHOT2	7	1	2.639674988	-1.206872784
11135	RHBDL1	18	1	-3.126587066	0.975120105

11136	STUB1	16	1	3.977342454	3.730072774
11137	JMJD8	2	1	4.100220767	0.376918795
11138	WDR24	13	1	-1.913388524	0.259545192
11139	FBXL16	6	1	-1.232613596	-2.173719846
11140	METRNL	16	1	3.588678446	4.429558553
11141	FAM173A	2	1	4.499466982	0.808284201
11142	CCDC78	12	1	-1.875516209	-1.701660596
11143	HAGHL	2	1	3.708209124	0.894452728
11144	NARFL	5	1	0.150639054	-2.195678912
11145	RPUSD1	5	1	0.859153119	-3.40330597
11146	CHTF18	10	1	3.366506186	-3.431405984
11147	LMF1	13	1	-2.783190641	0.637296088
11148	AC120498.8	8	1	0.772877601	0.426900852
11149	CACNA1H	8	1	0.800337282	0.715339221
11150	UBE2I	16	1	3.499659386	3.267428435
11151	TSR3	2	1	4.532673922	0.144129492
11152	GNPTG	18	1	-3.41083661	0.673276998
11153	UNKL	4	1	0.331134048	-1.891613208
11154	AL032819.1	6	1	-1.581070337	-2.924789869
11155	C16orf91	5	1	1.200285163	-3.230837547
11156	CCDC154	1	1	-1.742921147	1.520596541
11157	CLCN7	4	1	-0.36990166	-1.010499917
11158	TELO2	10	1	2.446746436	-3.244511567
11159	IFT140	9	1	-1.548766646	0.114457644
11160	TMEM204	12	1	-3.160308752	-1.247456156
11161	CRAMP1	9	1	-0.597364101	-0.043362729
11162	AL031708.1	9	1	0.2984696	-0.28798499
11163	JPT2	7	1	2.655863848	-2.450134479
11164	MAPK8IP3	1	1	-1.458436522	0.842482455
11165	NME3	3	1	2.167243805	5.1194003
11166	MRPS34	16	1	3.509394494	3.657882489
11167	EME2	4	1	-1.01648179	-1.496393405
11168	SPSB3	14	1	-1.542531881	3.154745139
11169	NUBP2	2	1	4.526839819	-0.128265642
11170	HAGH	2	1	3.850673047	-0.136996053
11171	FAHD1	2	1	3.993606415	-0.193517052
11172	MEIOB	10	1	4.30215272	-3.110514127
11173	MSRB1	2	1	4.354318705	0.329780549
11174	NDUFB10	16	1	3.409220305	4.558557309
11175	RPS2	3	1	2.362722006	5.622080602
11176	SNHG9	14	1	-0.010324995	2.614469327
11177	RNF151	20	1	-0.884758803	-4.526764594
11178	TBL3	7	1	3.684627619	-1.192101322

11179	GFER	2	1	4.544798461	-0.08558958
11180	SYNGR3	8	1	-0.00902355	1.357212581
11181	ZNF598	7	1	1.390305486	-0.977705203
11182	NPW	12	1	-3.060464057	-2.946735822
11183	SLC9A3R2	2	1	4.503447142	0.728712238
11184	NTHL1	2	1	4.60350236	0.021320827
11185	TSC2	9	1	-1.341898474	-0.023311012
11186	PKD1	8	1	0.453342226	1.590341486
11187	RAB26	6	1	-2.195842895	-3.113596641
11188	SNHG19	3	1	1.008658734	4.36150483
11189	TRAF7	8	1	-0.472902092	1.765078701
11190	MLST8	2	1	4.113497344	0.228195958
11191	BRICD5	5	1	1.30203208	-2.538381063
11192	PGP	7	1	3.861606207	-1.73465439
11193	E4F1	5	1	0.165594053	-2.07634183
11194	ECI1	2	1	4.00023326	1.339861549
11195	RNPS1	10	1	3.606734124	-2.142249547
11196	AC009065.4	12	1	-2.935292634	-1.961322271
11197	ABCA3	12	1	-2.153968963	-1.776838266
11198	CCNF	10	1	4.122771349	-3.415180885
11199	TEDC2	10	1	2.719794598	-3.872404777
11200	AC106820.2	17	1	-4.734653863	3.248692788
11201	TBC1D24	9	1	-0.959041748	-0.078671448
11202	AMDHD2	5	1	1.880261746	-3.288699113
11203	PDPK1	7	1	1.943556395	-0.492975556
11204	AC093525.6	4	1	-1.872385773	-0.892644011
11205	AC093525.7	9	1	-0.795111808	-0.395677053
11206	AC093525.4	4	1	-0.642131063	-1.095048748
11207	KCTD5	5	1	0.954877165	-1.520176135
11208	SRRM2	3	1	2.396417466	3.75428418
11209	ELOB	3	1	2.62514433	5.188976563
11210	ZG16B	12	1	-2.46912137	-2.522161208
11211	PRSS22	8	1	0.612359133	0.240852244
11212	FLYWCH2	2	1	3.965595093	1.16787795
11213	FLYWCH1	8	1	0.312997964	1.131938971
11214	PKMYT1	10	1	2.905485716	-3.99405738
11215	PAQR4	10	1	2.46579012	-4.156512462
11216	AC004233.3	7	1	3.142384854	-2.385740958
11217	FNFRSF12A	16	1	3.557183114	3.31036023
11218	HCFC1R1	3	1	1.240485635	4.461945809
11219	THOC6	7	1	2.411126462	-2.138117992
11220	BICDL2	1	1	-2.20223299	3.056171216
11221	AC108134.1	17	1	-4.826303396	3.308380164

11222	MMP25-AS1	9	1	-1.693523797	-0.032297902
11223	IL32	8	1	0.417334315	1.297947801
11224	ZNF213-AS1	20	1	-1.110406074	-4.3042657
11225	ZNF205	5	1	-0.384141508	-2.258021794
11226	ZNF213	6	1	-1.191344413	-2.181654416
11227	AC108134.2	6	1	-0.977071437	-2.649035655
11228	ZNF200	4	1	0.074987524	-1.95017191
11229	ZNF263	4	1	-0.122410822	-1.515062534
11230	TIGD7	9	1	-1.709856066	-0.069351457
11231	ZNF75A	6	1	-0.574783358	-2.399903737
11232	ZSCAN32	4	1	-0.570172104	-1.156349384
11233	ZNF174	6	1	-0.827287051	-2.744225465
11234	ZNF597	4	1	-1.540950927	-1.470860444
11235	NAA60	4	1	-1.434144291	-1.115949594
11236	CLUAP1	6	1	-0.175168383	-3.268101894
11237	AC004494.1	17	1	-4.603952798	3.305010833
11238	SLX4	7	1	2.993500796	-2.897517406
11239	DNASE1	9	1	-1.341736469	0.273118526
11240	TRAP1	7	1	4.108721343	-1.098700844
11241	CREBBP	11	1	2.001817074	-0.045633756
11242	ADCY9	1	1	-1.951697502	1.963850058
11243	AC009171.2	12	1	-3.270989809	-2.314257585
11244	LINC01569	18	1	-2.887114677	1.457200803
11245	TFAP4	7	1	1.788936105	-1.512692772
11246	GLIS2	9	1	-1.039903912	-0.301486276
11247	PAM16	4	1	-1.531140599	-1.579723917
11248	DRO7-PAM1	1	1	-2.038646612	1.23799894
11249	CORO7	5	1	0.888103393	-1.602068149
11250	VASN	17	1	-2.986143741	2.639739789
11251	DNAJA3	7	1	2.282561627	-1.292220675
11252	NMRAL1	2	1	3.98256835	1.007023848
11253	HMOX2	2	1	4.499220458	0.369030717
11254	CDIP1	13	1	-2.160671863	0.100971706
11255	UBALD1	12	1	-2.521238241	-1.294145905
11256	MGRN1	9	1	-0.88975856	-0.076488517
11257	NUDT16L1	2	1	4.025932398	0.494832285
11258	ANKS3	9	1	-0.970796141	-0.327479087
11259	C16orf71	15	1	-4.034854803	-1.451579415
11260	ZNF500	1	1	-1.209954652	0.849721975
11261	ROGDI	2	1	3.91498169	1.046015002
11262	GLYR1	11	1	2.365810719	-0.421321772
11263	UBN1	7	1	2.199546185	-0.581456624
11264	NAGPA	6	1	-1.128295335	-2.536694966

11265	ALG1	6	1	-0.627413723	-2.96092435
11266	EEF2KMT	7	1	2.577933398	-2.226214133
11267	METTL22	2	1	3.833340016	0.972724415
11268	ABAT	13	1	-2.462524566	-0.870853864
11269	TMEM186	6	1	-0.130587968	-3.116137229
11270	PMM2	2	1	3.114947644	-0.398062609
11271	AC022167.2	1	1	-2.121004734	1.188442506
11272	CARHSP1	16	1	3.497314778	4.253040589
11273	USP7	7	1	2.756125298	-0.529887878
11274	C16orf72	8	1	0.499545184	1.74283985
11275	AC087190.1	6	1	-2.274244699	-3.56578251
11276	ATF7IP2	20	1	-1.155933771	-3.893080913
11277	EMP2	10	1	2.902232733	-3.950060569
11278	AC027277.1	10	1	2.348844615	-3.981986247
11279	NUBP1	7	1	3.043567505	-1.729495965
11280	DEXI	2	1	3.530816165	0.603734515
11281	CLEC16A	4	1	-0.215630654	-2.152327977
11282	AC007014.1	1	1	-0.973609838	1.385166324
11283	RMI2	10	1	2.548464146	-3.997365199
11284	SOCS1	12	1	-2.845050964	-1.658005201
11285	AC099489.1	17	1	-4.798436555	3.225518025
11286	LITAF	1	1	-0.519372735	2.06697122
11287	SNN	6	1	-1.678483042	-2.813782416
11288	TXNDC11	9	1	-0.683542463	-0.080435775
11289	ZC3H7A	11	1	1.563480344	0.722787179
11290	AC010654.1	6	1	-1.720592293	-2.541752301
11291	RSL1D1	16	1	3.406888333	3.227906503
11292	AC007216.4	20	1	-1.013271841	-4.179601871
11293	GSPT1	16	1	3.437030879	2.910247125
11294	NPIP2	1	1	-2.501143608	1.255237616
11295	SNX29	1	1	-2.250350389	0.817944862
11296	CPPED1	2	1	3.784712163	0.469960637
11297	ERCC4	7	1	2.833984938	-0.664495908
11298	MKL2	4	1	-0.068273659	-1.756740533
11299	AC130650.2	11	1	0.539866832	-1.021255456
11300	MIR193BHG	1	1	-2.107797536	1.68844334
11301	PARN	7	1	2.553276387	-1.105139338
11302	BFAR	2	1	3.156140652	-0.016222738
11303	NPIPA3	17	1	-4.683215532	3.149434604
11304	NOMO1	1	1	-2.166576061	1.135130323
11305	NPIPA1	1	1	-0.778353784	1.28367076
11306	PDXDC1	14	1	-0.514436159	3.237384118
11307	NTAN1	2	1	3.923170176	-0.214525841

11308	RRN3	11	1	0.993194488	-1.179228269
11309	NPIPA5	13	1	-2.483612689	-0.036051981
11310	C16orf45	9	1	-0.153963748	0.77202446
11311	MARF1	1	1	-0.925173137	1.744512237
11312	NDE1	10	1	4.232311812	-3.201627456
11313	AC026401.3	10	1	4.202254382	-3.142435037
11314	MYH11	8	1	0.01455175	0.691798366
11315	FOPNL	10	1	4.229760733	-3.117012702
11316	ABCC1	9	1	-0.623768899	0.005813338
11317	ABCC6	18	1	-3.654369029	1.484495558
11318	NOMO3	9	1	-0.91049138	-0.207135163
11319	AC138969.1	1	1	-0.851035866	1.607267536
11320	XYLT1	18	1	-3.186487827	1.649218716
11321	NOMO2	1	1	-1.372602853	1.347790159
11322	RPS15A	3	1	2.151417342	5.597820081
11323	ARL6IP1	10	1	4.426093665	-3.242414676
11324	SMG1	8	1	1.487833586	1.004018225
11325	TMC7	5	1	0.731002059	-1.703819715
11326	COQ7	6	1	-0.257541809	-3.2339563
11327	ITPRIPL2	8	1	0.54034057	1.84510187
11328	AC099518.5	9	1	-0.119580764	-0.048248671
11329	GDE1	2	1	4.016039696	0.387515507
11330	CCP110	10	1	3.169511405	-3.501318895
11331	VPS35L	4	1	-1.424093875	-0.885917269
11332	AC002550.2	7	1	1.799983349	-1.024226628
11333	KNOP1	8	1	1.419760314	1.777167596
11334	IQCK	6	1	-0.812552068	-2.464745723
11335	GPRC5B	8	1	0.200514507	1.013676561
11336	THUMPD1	11	1	2.52458891	-0.413155578
11337	ERI2	10	1	3.396564093	-3.585074626
11338	REXO5	10	1	3.563475695	-3.44059249
11339	DCUN1D3	9	1	-1.131417427	0.203396641
11340	LYRM1	7	1	3.001834717	-0.631348215
11341	AC008551.1	12	1	-2.769429597	-1.841788255
11342	TMEM159	1	1	-0.344859186	2.166888155
11343	METTL9	17	1	-3.295698556	2.931446828
11344	NPIPB4	1	1	-0.807449433	1.265445865
11345	UQCRC2	16	1	3.445468512	4.178820886
11346	MOSMO	9	1	0.237726223	-0.241894447
11347	SDR42E2	18	1	-3.099898252	1.609364427
11348	EEF2K	1	1	-0.946001503	0.941009141
11349	POLR3E	11	1	0.690647748	-0.428493582
11350	CDR2	14	1	0.137328182	2.360306658

11351	NPIP5	9	1	-0.46984193	0.340292927
11352	USP31	9	1	0.277689633	-0.396067761
11353	COG7	4	1	-0.495222661	-1.605934583
11354	AC008915.2	6	1	-2.192221555	-3.040227376
11355	GGA2	5	1	1.266265359	-1.918728315
11356	EARS2	5	1	1.14227685	-1.857813798
11357	UBFD1	14	1	-0.925665113	3.112956799
11358	NDUFAB1	16	1	3.489267436	4.171725072
11359	PALB2	5	1	1.89288744	-3.129682504
11360	DCTN5	7	1	1.814233509	-0.48883643
11361	PLK1	10	1	4.532609072	-3.271478139
11362	ERN2	6	1	-1.389841351	-3.18808242
11363	RBBP6	11	1	2.026529041	0.551639192
11364	TNRC6A	8	1	0.763776627	1.745522655
11365	AC008731.1	1	1	-1.051802787	2.007610477
11366	SLC5A11	15	1	-4.315756235	-1.332014643
11367	ARHGAP17	1	1	-1.425206336	2.537922896
11368	LCMT1	2	1	3.806836691	0.882487036
11369	ZKSCAN2	4	1	-1.180211458	-1.500939928
11370	AC008741.2	9	1	-0.467967841	1.116201497
11371	NSMCE1	2	1	3.701460925	1.462440766
11372	AC106739.2	15	1	-4.474167737	-1.219524227
11373	IL4R	1	1	-2.556733522	1.746173896
11374	IL21R	18	1	-3.285392675	1.198682405
11375	GTF3C1	11	1	2.399965849	-0.366510712
11376	KIAA0556	5	1	-0.209088105	-2.377333842
11377	XPO6	8	1	1.176694003	1.220105685
11378	APOBR	19	2	-7.385366353	0.254233159
11379	NUPR1	3	1	2.140946713	4.637371816
11380	SGF29	5	1	0.954144147	-3.11718794
11381	SULT1A1	15	1	-3.635196599	-0.874312125
11382	EIF3C	4	1	0.344544855	-0.757012807
11383	AC145285.6	11	1	1.006906953	-0.480011068
11384	ATXN2L	8	1	0.736789015	0.442005858
11385	TUFM	16	1	3.39493188	3.814798392
11386	SH2B1	4	1	-0.251000318	-0.777377688
11387	AC133550.2	6	1	-0.656863543	-3.465074264
11388	ATP2A1	1	1	-2.458995256	2.292059578
11389	ATP2A1-AS	10	1	2.434967604	-3.114034377
11390	RABEP2	6	1	-0.782015416	-2.642365657
11391	NFATC2IP	5	1	2.108132449	-2.821325265
11392	SPNS1	2	1	3.941728678	0.778298892
11393	LAT	4	1	-0.279652062	-1.174025022

11394	AC009093.1	18	1	-3.057033214	1.289470173
11395	BOLA2	1	1	-1.256869111	2.518284835
11396	BOLA2-SMG1	6	1	-1.215349946	-3.26432582
11397	SPN	19	2	-7.376593027	0.232908405
11398	QPRT	18	1	-3.365298185	1.710921921
11399	KIF22	10	1	4.36745843	-3.385653459
11400	MAZ	16	1	3.061328021	3.000258244
11401	AC009133.1	9	1	-1.05773643	0.117955781
11402	PRRT2	1	1	-1.597488317	2.382612027
11403	MVP	2	1	4.083727446	0.254282132
11404	CDIPT	13	1	-3.601947698	-0.277117215
11405	SEZ6L2	18	1	-3.547942552	0.694064505
11406	ASPHD1	1	1	-1.13656846	2.518032826
11407	KCTD13	4	1	-0.218366745	-0.670268499
11408	TMEM219	3	1	2.188057509	5.236862935
11409	TAOK2	4	1	-0.82660434	-1.448036634
11410	HIRIP3	10	1	3.173345414	-3.369948112
11411	INO80E	7	1	2.30712041	-2.523559533
11412	ALDOA	14	1	-1.413234744	3.395176448
11413	PPP4C	16	1	3.46299037	3.338660754
11414	TBX6	1	1	-1.824294004	2.565260447
11415	YPEL3	14	1	-1.490691099	3.542100943
11416	GDPD3	1	1	-2.010317001	2.695711888
11417	AC012645.4	1	1	-1.820289764	2.768396653
11418	MAPK3	14	1	-1.044165406	2.746797837
11419	CORO1A	5	1	1.75552353	-3.206428968
11420	BOLA2B	6	1	-1.071544442	-3.067789518
11421	SULT1A3	9	1	-0.712853763	0.552420698
11422	CD2BP2	2	1	4.546128359	-0.031813525
11423	TBC1D10B	11	1	1.073639241	-0.978916608
11424	MYLPF	13	1	-3.105875644	-0.182324074
11425	ZNF48	5	1	0.528928187	-2.700019799
11426	SEPT1	18	1	-2.946860942	1.468740977
11427	ZNF771	6	1	-0.433860961	-3.503167592
11428	DCTPP1	7	1	3.931991425	-1.310172878
11429	SEPHS2	2	1	3.916686621	0.428144522
11430	ZNF768	11	1	0.625774291	-1.351748549
11431	ZNF747	12	1	-3.303231868	-1.596678816
11432	ZNF764	4	1	-0.049004401	-1.247559391
11433	ZNF688	12	1	-3.218127641	-2.475605451
11434	ZNF785	1	1	-1.41249648	1.223855771
11435	ZNF689	5	1	0.50539237	-2.537169896
11436	PRR14	5	1	0.659498718	-1.78954693

11437	FBR5	4	1	-0.160830873	-1.087481819
11438	SRCAP	4	1	0.020710828	-1.779691659
11439	PHKG2	5	1	1.319620815	-3.107968055
11440	CCDC189	6	1	-0.768394145	-3.180036269
11441	RNF40	7	1	2.200863209	-1.468249046
11442	ZNF629	4	1	-0.249669018	-1.759727918
11443	BCL7C	2	1	4.692199317	1.106914498
11444	MIR762HG	1	1	-2.50995532	1.878667272
11445	CTF1	13	1	-3.497083339	-0.613479041
11446	FBXL19-AS	4	1	-0.070779654	-1.35297557
11447	FBXL19	4	1	-0.623213562	-1.391618096
11448	ORAI3	18	1	-2.887460861	1.233118929
11449	SETD1A	5	1	0.489054856	-2.293520414
11450	HSD3B7	12	1	-1.970298681	-1.947862826
11451	STX1B	11	1	0.782740262	-0.774729692
11452	STX4	11	1	2.856667605	0.355873221
11453	ZNF668	6	1	-0.743105742	-2.611197911
11454	ZNF646	4	1	-0.931410822	-1.612453543
11455	PRSS53	1	1	-1.897819433	2.441617049
11456	VKORC1	3	1	1.369391408	4.99985484
11457	BCKDK	2	1	4.340068427	0.261008695
11458	KAT8	1	1	-1.335901412	2.280657328
11459	PRSS8	3	1	0.971508112	2.399635352
11460	PRSS36	13	1	-2.199914369	-0.355953597
11461	FUS	16	1	3.198017207	2.874239005
11462	AC009088.1	5	1	0.925662663	-1.712474071
11463	PYCARD	13	1	-3.394579801	0.088642008
11464	YCARD-AS	6	1	-1.004746589	-3.668912612
11465	TRIM72	17	1	-4.819960508	3.250020541
11466	ITGAX	19	2	-7.380265626	0.253805615
11467	ZNF843	13	1	-2.700787458	0.668837376
11468	AC026471.1	9	1	-1.316947255	-0.057737284
11469	ARMC5	5	1	-0.262735847	-2.290912114
11470	TGFB1I1	3	1	2.281657067	4.709195889
11471	AC026471.3	18	1	-2.858934555	1.70774547
11472	C16orf58	14	1	-0.709656033	3.122671164
11473	AC026471.2	20	1	-1.144000205	-4.405299865
11474	ZNF720	1	1	-1.542995843	0.593902878
11475	ZNF267	9	1	0.172007155	0.118454195
11476	SHCBP1	10	1	3.951487151	-3.393123113
11477	VPS35	16	1	3.360061017	2.815826453
11478	ORC6	10	1	3.063899127	-3.830459319
11479	C16orf87	14	1	-1.091871891	3.280774154

11480	GPT2	3	1	1.25186905	2.456446685
11481	DNAJA2	11	1	2.326851454	0.375599768
11482	NETO2	7	1	3.662477103	-1.128627382
11483	ITFG1	14	1	-0.650762948	3.652736701
11484	PHKB	8	1	0.75299975	1.360280968
11485	LINC02192	15	1	-3.700115833	-2.393118583
11486	LONP2	11	1	1.847653714	0.369977386
11487	SIAH1	9	1	0.21514101	-0.072231733
11488	N4BP1	7	1	1.889990058	-0.399418853
11489	ZNF423	12	1	-3.34346548	-2.737627708
11490	CNEP1R1	4	1	-0.141460243	-0.867472969
11491	HEATR3	5	1	1.548847166	-2.117090427
11492	TENT4B	8	1	0.266738769	0.712723769
11493	ADCY7	4	1	-1.865676078	-1.113343083
11494	BRD7	7	1	4.108970728	-1.123852335
11495	CYLD	9	1	-0.704059932	0.958128966
11496	NRNPA1P4	5	1	1.49171671	-1.4985983
11497	CHD9	11	1	1.935676065	0.544851638
11498	RBL2	1	1	-0.843732926	1.405464925
11499	AKTIP	9	1	0.157469374	-0.116038852
11500	RPGRIP1L	6	1	-0.623714599	-2.862062656
11501	FTO	9	1	-0.764342758	-0.298106514
11502	IRX3	18	1	-3.196420822	1.265916325
11503	CRNDE	3	1	1.374371615	2.64712695
11504	IRX5	18	1	-3.550085935	1.648874558
11505	AC106738.1	1	1	-2.274517927	2.01893536
11506	MMP2	3	1	0.795171288	4.754604615
11507	LPCAT2	18	1	-3.827791366	1.967058219
11508	AC007336.1	4	1	-0.862419817	-1.789287053
11509	CAPNS2	17	1	-4.801727209	3.045985736
11510	AMFR	8	1	0.37801179	0.124864049
11511	AC092140.1	5	1	1.868049112	-2.958403789
11512	NUDT21	14	1	0.655094471	3.020221747
11513	OGFOD1	7	1	3.285290089	-1.113115035
11514	BBS2	1	1	-1.137781772	1.144210912
11515	MT3	1	1	-2.177562389	2.987993993
11516	MT2A	3	1	2.135305968	4.153407134
11517	MT1E	3	1	1.370304313	4.639992513
11518	MT1M	6	1	-1.189463648	-3.618278943
11519	MT1A	8	1	0.792015937	0.707339383
11520	MT1F	15	1	-3.971042547	-0.058156274
11521	MT1G	17	1	-3.20306364	2.615378655
11522	MT1X	18	1	-3.67558566	1.273244597

11523	NUP93	7	1	2.905831185	-2.280571185
11524	HERPUD1	3	1	1.733110753	4.510691441
11525	CETP	15	1	-4.717807207	-1.034299456
11526	NLRC5	9	1	-1.096755657	-0.451940201
11527	CPNE2	7	1	2.074260798	-2.569009267
11528	FAM192A	7	1	4.008468476	-0.994829618
11529	RSPRY1	11	1	1.820232835	0.576205157
11530	ARL2BP	14	1	-0.788082454	2.872866429
11531	CIAPIN1	2	1	4.312192526	-0.212826692
11532	COQ9	2	1	3.629419175	-0.463364564
11533	POLR2C	2	1	3.938745585	-0.61207702
11534	DOK4	13	1	-2.834840688	0.433721959
11535	CCDC102A	13	1	-2.698343429	-0.853624545
11536	ADGRG1	4	1	-1.1356186	-0.944481455
11537	KATNB1	5	1	0.921655205	-2.616396629
11538	KIFC3	17	1	-4.691276941	3.025613822
11539	ZNF319	4	1	-1.031650695	-1.37543615
11540	USB1	2	1	3.919758168	-0.081199132
11541	MMP15	12	1	-2.718422088	-2.026338779
11542	CFAP20	7	1	3.889048901	-1.570654832
11543	CSNK2A2	11	1	2.16227397	0.595582075
11544	CCDC113	6	1	-1.159401569	-2.918886863
11545	GINS3	10	1	2.559701052	-3.932410442
11546	AC009118.2	10	1	2.438391772	-3.155017816
11547	NDRG4	9	1	-1.697222981	-0.179067157
11548	SETD6	5	1	0.925671843	-2.132758342
11549	CNOT1	8	1	1.269534436	1.214779116
11550	SLC38A7	6	1	-1.345417652	-1.804835521
11551	GOT2	11	1	2.642150488	-0.301807486
11552	CDH8	12	1	-2.408121261	-1.689223014
11553	CDH11	15	1	-4.047837648	0.21371486
11554	LINC00922	12	1	-3.269357357	-2.039135896
11555	CDH5	8	1	0.846474793	0.375272887
11556	LINC00920	6	1	-1.817062768	-3.544211589
11557	TK2	1	1	-0.878229532	1.573065795
11558	CKLF	7	1	3.957057324	-1.665858947
11559	KLF-CMTM	6	1	-0.910681996	-3.532329999
11560	CMTM3	7	1	2.028726068	-0.74592825
11561	CMTM4	4	1	-0.11595476	-0.630092107
11562	DYNC1LI2	8	1	1.271105495	1.234826006
11563	NAE1	7	1	4.083091822	-1.194242679
11564	PDP2	9	1	-0.312846902	0.059660263
11565	RRAD	1	1	-1.288829717	2.410226621

11566	FAM96B	3	1	3.221638051	4.499162949
11567	CES2	4	1	-1.483917269	-0.606342159
11568	CES4A	12	1	-3.139707479	-1.339345537
11569	CBFB	7	1	2.40693554	-1.751106702
11570	C16orf70	4	1	0.057063619	-1.204566084
11571	B3GNT9	18	1	-3.255395088	0.881078936
11572	TRADD	2	1	3.708628264	0.943986572
11573	FBXL8	12	1	-3.282837781	-1.144646846
11574	HSF4	1	1	-1.860263738	2.17522303
11575	NOL3	13	1	-2.58252779	0.416333485
11576	KIAA0895L	6	1	-0.991605911	-1.971454583
11577	E2F4	7	1	3.079856959	-1.330068551
11578	ELMO3	11	1	0.769430247	-1.307908379
11579	LRRC29	12	1	-3.228227767	-1.16835817
11580	TMEM208	2	1	3.927314845	1.535395182
11581	FHOD1	5	1	1.771261659	-2.24409505
11582	SLC9A5	13	1	-1.825670156	0.229518287
11583	PLEKHG4	5	1	1.015893844	-2.349201404
11584	ZDHHC1	13	1	-2.332738313	-0.717434012
11585	ATP6V0D1	2	1	4.193892565	0.818289824
11586	AC009061.2	6	1	-1.647052798	-3.332822524
11587	AC027682.6	12	1	-2.83203021	-1.318898045
11588	RIPOR1	7	1	1.893732038	-0.738361083
11589	AC027682.4	1	1	-1.17085186	1.899161257
11590	CTCF	7	1	3.12728962	-2.049569808
11591	CARMIL2	6	1	-1.1183112	-3.707057677
11592	ACD	10	1	2.7297717	-3.376490556
11593	PARD6A	6	1	-1.146067175	-3.386103355
11594	ENKD1	4	1	0.281654102	-1.830882989
11595	C16orf86	18	1	-2.945729408	1.554502643
11596	GFOD2	5	1	0.740119842	-2.456685506
11597	RANBP10	4	1	-0.699996683	-1.650360786
11598	CENPT	5	1	1.387918916	-2.864259683
11599	THAP11	7	1	2.482237187	-1.99509617
11600	NUTF2	2	1	4.65454587	0.952235319
11601	EDC4	5	1	0.738292661	-1.665886604
11602	NRN1L	13	1	-2.526399765	-0.756195985
11603	PSKH1	6	1	-1.204841408	-1.865992747
11604	AC040162.1	6	1	-1.491971883	-3.382919513
11605	PSMB10	6	1	-1.311556134	-3.095280372
11606	LCAT	1	1	-1.760361108	1.127720274
11607	SLC12A4	1	1	-2.086963806	0.78587345
11608	DUS2	5	1	1.274458495	-2.880167447

11609	DDX28	5	1	1.204150644	-3.090672218
11610	NFATC3	5	1	0.633275953	-1.777587854
11611	AC020978.5	1	1	-0.905835244	1.701947607
11612	PLA2G15	4	1	-0.391691628	-1.237515055
11613	SLC7A6	4	1	-0.270560059	-1.644464217
11614	SLC7A6OS	7	1	3.085691538	-0.836086594
11615	PRMT7	5	1	1.77746686	-2.616028749
11616	ZFP90	9	1	-1.593714032	-0.091805481
11617	TANGO6	4	1	0.048619701	-1.871945344
11618	HAS3	1	1	-0.605150077	2.048526443
11619	CHTF8	7	1	2.401555625	-1.255104386
11620	UTP4	7	1	2.143536892	-2.393500768
11621	SNTB2	11	1	2.278630343	0.481129691
11622	VPS4A	7	1	3.72146019	-0.900773965
11623	COG8	9	1	-1.266104612	0.351124715
11624	COG8.1	4	1	-0.240288767	-0.935815536
11625	NIP7	7	1	3.928134051	-1.030678712
11626	TERF2	7	1	1.405957308	-0.893627607
11627	CYB5B	7	1	3.112719145	-1.318927966
11628	NFAT5	14	1	-0.219455066	2.469092645
11629	NQO1	16	1	3.952200022	3.160395898
11630	AC092115.3	18	1	-3.123056087	1.41010753
11631	NOB1	2	1	3.284418908	0.182881005
11632	WWP2	5	1	0.222956505	-2.116752826
11633	PDPR	4	1	0.263625961	-0.792580687
11634	EXOSC6	7	1	2.747788754	-2.043292009
11635	AARS	3	1	1.569473353	2.726688184
11636	DDX19B	5	1	1.052066412	-2.916686975
11637	DDX19A	8	1	0.411929813	0.033259876
11638	ST3GAL2	4	1	-0.721133325	-1.432599269
11639	FUK	4	1	-0.897298667	-1.565457545
11640	COG4	7	1	1.785995927	-0.314929985
11641	SF3B3	7	1	3.130437937	-1.265495979
11642	MTSS1L	1	1	-0.940516088	1.368118919
11643	VAC14	5	1	0.923398104	-2.670427524
11644	CMTR2	4	1	-0.017634011	-0.890803896
11645	ZNF23	9	1	-0.746233675	0.091128029
11646	PHLPP2	5	1	0.800756839	-1.637283765
11647	AP1G1	11	1	1.835468975	-0.00202363
11648	ATXN1L	4	1	-0.43379775	-0.721592866
11649	IST1	14	1	-0.265021297	3.094481505
11650	ZNF821	12	1	-2.695439968	-2.684867345
11651	DHODH	7	1	2.421751347	-2.526069842

11652	TXNL4B	5	1	0.502387163	-2.835249387
11653	HP	1	1	-2.118970308	2.533600606
11654	DHX38	7	1	2.377496567	-0.666180097
11655	PMFBP1	10	1	3.730125514	-2.940904342
11656	LINC01572	10	1	3.700548974	-3.484555207
11657	AC004158.1	10	1	4.101113883	-3.085716687
11658	AC004943.2	10	1	2.60643467	-3.632745944
11659	ZFHX3	8	1	1.171944943	1.312073268
11660	AC116667.1	9	1	-0.454764518	0.947060503
11661	AC140912.1	1	1	-2.247232112	2.776068486
11662	PSMD7	16	1	3.592756119	3.529451884
11663	NPIP15	1	1	-2.280140075	1.66457764
11664	GLG1	3	1	0.879690733	4.225616015
11665	RFWD3	10	1	3.115523186	-3.564744435
11666	MLKL	5	1	0.88260397	-2.22193905
11667	WDR59	9	1	-1.0463101	0.352783732
11668	ZNRF1	14	1	-0.814840886	2.585133113
11669	LDHD	13	1	-3.128371391	0.549020998
11670	ZFP1	5	1	0.786179688	-2.493644677
11671	BCAR1	7	1	2.046616402	-0.533571862
11672	CFDP1	3	1	1.283612218	4.274501599
11673	AC009163.7	10	1	4.30001792	-3.124594651
11674	TMEM170A	11	1	0.625716832	-0.845086299
11675	CHST6	18	1	-3.045192155	1.924526609
11676	TMEM231	4	1	-0.356642637	-0.817882739
11677	GABARAPL	3	1	2.171094265	5.356527127
11678	ADAT1	5	1	0.857341614	-2.292227708
11679	KARS	7	1	3.433229771	-0.974810086
11680	TERF2IP	2	1	3.159772006	1.501082457
11681	MON1B	9	1	-0.272336039	-0.576459907
11682	SYCE1L	13	1	-3.316920194	-0.421489679
11683	NUDT7	15	1	-4.182399187	-1.175665938
11684	VAT1L	18	1	-3.073382768	2.086710728
11685	WVOX	6	1	0.525674817	-3.506333314
11686	MAF	15	1	-4.632587823	-1.318645202
11687	MAFTRR	15	1	-3.51994029	-0.977891527
11688	CDYL2	4	1	-0.253503534	-0.945756756
11689	CMC2	10	1	3.638379422	-2.449094258
11690	CENPN	10	1	4.071369257	-2.406578027
11691	ATMIN	11	1	1.624236312	-0.175297938
11692	GCSH	2	1	4.427021113	-0.519753657
11693	GAN	9	1	-0.256367508	1.050333835
11694	CMIP	1	1	-1.785874996	3.041705884

11695	PLCG2	18	1	-3.15362564	1.945963181
11696	MPHOSPHO	7	1	3.757809248	-1.412762843
11697	CDH13	8	1	0.878981498	0.380492305
11698	HSBP1	3	1	2.844750252	4.713419713
11699	MLYCD	6	1	-1.213875207	-1.971528731
11700	AC009119.2	12	1	-3.214760456	-1.747672282
11701	OSGIN1	5	1	0.200516057	-2.72164198
11702	NECAB2	18	1	-3.034691724	1.312046982
11703	MBTPS1	14	1	-0.249609414	2.389941491
11704	AC040169.1	6	1	-1.728477511	-3.26635667
11705	HSDL1	9	1	-0.037867199	-0.506419681
11706	TAF1C	5	1	0.221143123	-2.0494022
11707	WFDC1	1	1	-2.402147684	1.464216508
11708	ATP2C2	14	1	0.044756939	2.349628247
11709	TLDC1	7	1	1.454139677	-0.860305034
11710	COTL1	3	1	2.343742457	4.516759671
11711	KLHL36	1	1	-1.106514844	2.296299375
11712	USP10	11	1	2.543071833	-0.374830745
11713	CRISPLD2	17	1	-3.410390768	2.302378811
11714	ZDHHC7	8	1	0.46439546	1.635834969
11715	KIAA0513	9	1	-0.839356276	-0.187162362
11716	GSE1	4	1	-1.19022933	-0.668836199
11717	LINC00311	4	1	-0.018791895	-1.890027963
11718	AC133540.1	4	1	-0.490826759	-1.797275029
11719	AC092127.2	13	1	-3.235343847	-0.161732696
11720	GINS2	10	1	2.771198597	-3.806775771
11721	C16orf74	2	1	3.924604264	-0.428913735
11722	EMC8	2	1	3.982916441	-0.528498493
11723	COX4I1	3	1	2.558280793	5.469042577
11724	IRF8	19	2	-7.518914613	0.293772086
11725	AC040170.1	9	1	-0.401212904	1.059624709
11726	FENDRR	1	1	-1.321325931	2.160693325
11727	FOXF1	1	1	-1.261475358	2.14381317
11728	MTHFSD	4	1	0.188237977	-1.393834435
11729	FOXC2-AS1	12	1	-3.021040592	-1.337794267
11730	FOXC2	6	1	-0.939299497	-3.153156959
11731	FOXL1	9	1	0.355825481	-0.238615833
11732	LINC02188	4	1	-1.960704598	-1.199060403
11733	C16orf95	10	1	3.785591689	-3.20609542
11734	AC010531.6	18	1	-3.130677852	0.728966363
11735	FBXO31	4	1	-0.652844998	-1.04207357
11736	MAP1LC3B	3	1	2.380758849	4.605539597
11737	ZCCHC14	4	1	-0.172677907	-1.144467555

11738	KLHDC4	7	1	2.028165665	-2.374041759
11739	SLC7A5	3	1	1.521191326	2.668104924
11740	CA5A	1	1	-1.705939445	2.473035373
11741	BANP	4	1	0.464497235	-1.528874122
11742	AC134312.5	12	1	-2.415640983	-1.152096354
11743	LINC02182	18	1	-3.041917953	1.566370405
11744	ZNF469	13	1	-2.030011568	-0.241091393
11745	ZFPM1	12	1	-2.711783323	-1.830619775
11746	ZC3H18	7	1	2.911285964	-0.804227434
11747	CYBA	13	1	-3.535720977	0.30177696
11748	MVD	14	1	-1.069060358	3.410051144
11749	SNAI3-AS1	13	1	-2.845957431	-0.839018546
11750	SNAI3	19	2	-7.297000322	0.298219166
11751	RNF166	5	1	1.879152027	-2.523171865
11752	CTU2	7	1	2.61204609	-2.26963421
11753	PIEZO1	8	1	0.609410134	2.097116388
11754	AC138028.2	11	1	1.465252128	-0.042972915
11755	AC138028.1	8	1	0.57292774	0.238823674
11756	CDT1	10	1	2.668362704	-3.949433051
11757	APRT	16	1	3.583852139	4.178852118
11758	GALNS	13	1	-2.232989463	0.377413982
11759	TRAPPC2L	2	1	4.632430163	1.042240359
11760	ACSF3	4	1	-0.408509109	-1.10880407
11761	LINC00304	17	1	-4.6308364	3.070244826
11762	CDH15	18	1	-3.274157438	1.616274632
11763	SLC22A31	18	1	-3.197593841	2.052111305
11764	AC009113.1	20	1	-1.458559308	-4.034377776
11765	ZNF778	4	1	-0.057423729	-1.05370339
11766	ANKRD11	3	1	1.954809752	2.961237229
11767	AC137932.3	11	1	0.732864526	-0.355585896
11768	SPG7	11	1	2.002960649	-0.182895027
11769	AC092123.1	12	1	-2.938493881	-1.425859414
11770	RPL13	3	1	2.319884863	5.616664208
11771	CPNE7	5	1	1.177578178	-1.577732049
11772	DPEP1	15	1	-4.671759042	-1.063194715
11773	CHMP1A	7	1	3.198411789	-1.16701337
11774	SPATA33	10	1	1.992591229	-3.447707378
11775	CDK10	7	1	2.515538779	-1.286607586
11776	LINC02166	6	1	-1.531483564	-3.386806689
11777	SPATA2L	5	1	-0.120107326	-2.323414527
11778	VPS9D1	13	1	-2.246420059	-0.301556967
11779	VPS9D1-AS	7	1	3.992430773	-1.165240489
11780	ZNF276	4	1	-0.175542149	-0.672177039

11781	FANCA	10	1	2.787465897	-3.887873374
11782	SPIRE2	6	1	-1.203211817	-2.225701533
11783	TCF25	3	1	2.853340474	4.9720271
11784	MC1R	6	1	-1.348782811	-2.291103803
11785	TUBB3	5	1	1.422467914	-2.230759345
11786	DEF8	2	1	4.69992837	1.119222261
11787	CENPBD1	6	1	-1.15821937	-2.188809358
11788	DBNDD1	5	1	1.026773956	-1.427801095
11789	GAS8	5	1	0.300694463	-2.436307393
11790	FAM157C	1	1	-0.974777493	1.388311304
11791	AC133919.1	1	1	-1.914743456	2.408786334
11792	LINC02193	1	1	-1.717749748	2.192070998
11793	RPH3AL	1	1	-2.422539148	0.998441256
11794	AC141424.1	6	1	-2.277987871	-3.644809447
11795	C17orf97	6	1	-0.6723021	-2.304984533
11796	RFLNB	3	1	1.731134739	4.118019141
11797	VPS53	8	1	0.194150683	0.982787169
11798	FAM57A	7	1	1.679473844	-0.846707188
11799	GEMIN4	10	1	2.235027876	-3.3911893
11800	GLOD4	7	1	3.927496758	-1.026726328
11801	MRM3	5	1	1.472421852	-2.910462819
11802	NXN	2	1	4.183756438	0.400811445
11803	AC087392.2	1	1	-0.805393908	1.504014171
11804	AC087392.1	6	1	-1.108745965	-3.654543601
11805	TIMM22	2	1	4.204793063	-0.136986517
11806	ABR	4	1	-0.684146258	-1.044954978
11807	YWHAE	3	1	2.070230809	4.200684823
11808	CRK	11	1	1.587034073	0.405272193
11809	MYO1C	3	1	1.890917626	3.820066727
11810	INPP5K	6	1	-0.897763166	-2.458069764
11811	PITPNA-AS	6	1	-1.630677971	-3.420623504
11812	PITPNA	2	1	4.137331095	-0.239791177
11813	SLC43A2	19	2	-6.410760793	0.002480902
11814	RILP	12	1	-2.58534995	-1.412969552
11815	PRPF8	11	1	2.738961783	-0.44112321
11816	AC130343.2	12	1	-2.962486658	-1.283009492
11817	TLCD2	13	1	-3.455661211	-0.31768658
11818	MIR22HG	13	1	-3.403302345	-0.453330301
11819	WDR81	4	1	-2.111094865	-1.286305271
11820	SERPINF1	15	1	-4.445956144	-0.062741451
11821	SMYD4	1	1	-1.414519462	0.756079353
11822	RPA1	10	1	2.862438765	-3.478828632
11823	HIC1	7	1	1.827386227	-0.478324376

11824	SMG6	7	1	2.112768498	-1.083765231
11825	SRR	5	1	1.070552197	-3.213550769
11826	TSR1	7	1	3.381992665	-0.998891317
11827	SGSM2	9	1	-1.219492826	-0.06322866
11828	MNT	1	1	-1.390930089	1.23948989
11829	METTL16	5	1	1.439440575	-2.138764106
11830	PAFAH1B1	3	1	2.512229767	2.61015705
11831	CLUH	5	1	1.572572914	-1.908461057
11832	OR3A3	17	1	-2.774797115	2.816669024
11833	TRPV1	1	1	-2.066772613	1.801382221
11834	SHPK	5	1	0.753962245	-1.519868575
11835	CTNS	4	1	-1.719209346	-1.858396493
11836	TAX1BP3	2	1	3.58858284	0.260088734
11837	EMC6	2	1	4.743425932	1.196211077
11838	P2RX5	4	1	-1.876821074	-0.769522511
11839	ITGAE	2	1	4.390930262	0.749285199
11840	HASPIN	10	1	3.566124049	-3.802665435
11841	NCBP3	11	1	2.18020567	0.209381483
11842	CAMKK1	9	1	-0.320099029	0.108147509
11843	P2RX1	13	1	-2.980341825	-0.450052165
11844	ATP2A3	13	1	-2.346476945	0.65248359
11845	ZZEF1	4	1	-0.494329068	-1.348455392
11846	CYB5D2	15	1	-3.724449548	-0.950270854
11847	ANKFY1	4	1	0.07054906	-1.5461578
11848	UBE2G1	11	1	1.950656977	0.753081299
11849	AC127521.1	11	1	2.150875178	0.68171639
11850	MYBBP1A	5	1	1.544217792	-1.694814168
11851	PELP1	7	1	3.40274581	-1.234405481
11852	ARRB2	5	1	1.505424467	-2.726994954
11853	MED11	6	1	-0.437595192	-3.355475627
11854	CXCL16	19	2	-6.816584978	0.130343936
11855	VMO1	15	1	-4.458506021	-0.88095709
11856	PSMB6	16	1	3.676823464	3.7030733
11857	AC233723.1	13	1	-3.277646455	-0.258255206
11858	PLD2	9	1	-1.394667181	-0.116715364
11859	MINK1	4	1	-0.94143531	-0.905922376
11860	CHRNE	18	1	-2.998165044	1.10386882
11861	C17orf107	18	1	-2.983678731	0.991246857
11862	SLC25A11	2	1	4.665707198	-0.02179002
11863	RNF167	2	1	3.692805138	0.657174594
11864	PFN1	3	1	2.609039155	4.481270589
11865	ENO3	12	1	-1.990982923	-1.792585813
11866	SPAG7	2	1	4.567322817	0.964635826

11867	CAMTA2	3	1	1.275010672	2.550545253
11868	INCA1	12	1	-2.696889791	-1.54186853
11869	KIF1C	11	1	1.52220687	-0.384345077
11870	ZNF232	5	1	0.935417619	-2.712552987
11871	USP6	4	1	-0.855121765	-0.70807489
11872	ZNF594	4	1	-0.75851253	-1.892623626
11873	SCIMP	19	2	-7.385004434	0.252506695
11874	RABEP1	7	1	2.960705843	-0.588446461
11875	NUP88	7	1	3.141612616	-2.090334617
11876	RPAIN	2	1	3.72188839	-0.083707474
11877	AC004148.2	5	1	1.47784349	-1.990861379
11878	C1QBP	16	1	3.833536473	3.21500615
11879	DHX33	5	1	1.647120443	-1.914454423
11880	DERL2	2	1	3.901330319	0.140347503
11881	MIS12	10	1	2.655473795	-3.26696726
11882	NLRP1	6	1	-1.743914995	-2.802518569
11883	PIMREG	10	1	4.35022935	-2.81403967
11884	KIAA0753	4	1	0.158756231	-1.851969443
11885	TXNDC17	16	1	3.897093621	3.858193196
11886	MED31	2	1	3.697901335	-0.082751505
11887	C17orf100	12	1	-3.237663421	-1.071788632
11888	XAF1	13	1	-3.366792831	-0.251514457
11889	ALOX12-AS	12	1	-2.644863042	-1.240778052
11890	ALOX12	4	1	0.141291355	-1.818460427
11891	RNASEK	1	1	-2.037484321	2.925159253
11892	C17orf49	6	1	-1.523794922	-2.935996257
11893	ASGR1	4	1	-0.99004117	-1.055128776
11894	DLG4	1	1	-2.081054601	2.330401934
11895	ACADVL	2	1	4.107688036	1.129208006
11896	DVL2	4	1	0.465833363	-1.454517327
11897	PHF23	2	1	3.866762248	0.225831218
11898	GABARAP	14	1	-0.867015216	3.421370782
11899	CTDNEP1	3	1	2.150338021	4.298978127
11900	ELP5	2	1	4.479861346	-0.19413402
11901	EIF5A	16	1	3.33555564	3.306587256
11902	GPS2	6	1	0.333554801	-3.506068669
11903	NEURL4	6	1	-0.864712629	-2.417613946
11904	ACAP1	1	1	-2.181764039	2.97909788
11905	KCTD11	1	1	-1.809546265	2.365527667
11906	TMEM256	3	1	2.41350278	4.978514947
11907	NLGN2	1	1	-1.626081857	0.577863611
11908	TMEM102	12	1	-2.013042364	-1.825751983
11909	FGF11	1	1	-1.830551061	2.762312449

11910	CHRNA1	12	1	-2.496254358	-1.652973376
11911	ZBTB4	1	1	-0.712631974	1.922462977
11912	POLR2A	7	1	2.81754407	-1.072019063
11913	TNFSF12	12	1	-2.705408248	-1.325262748
11914	SENP3	9	1	0.070740313	-0.729710303
11915	EIF4A1	16	1	3.054939356	3.737166442
11916	CD68	14	1	-0.891158673	3.545816697
11917	AC016876.1	15	1	-3.959060106	-0.19554361
11918	MPDU1	2	1	4.298263636	-0.706704341
11919	SOX15	4	1	-2.049131069	-1.210719191
11920	FXR2	11	1	1.489508834	0.239293255
11921	SHBG	15	1	-3.659658346	-1.263144814
11922	SAT2	14	1	-1.454636249	3.615729369
11923	TP53	7	1	1.7977837	-0.575271927
11924	WRAP53	10	1	3.215683547	-3.047558271
11925	EFNB3	12	1	-3.513137493	-2.521166288
11926	KDM6B	9	1	-0.939161453	0.59076377
11927	TMEM88	12	1	-3.080161724	-2.907384597
11928	NAA38	3	1	2.633207169	5.098972119
11929	CYB5D1	6	1	-1.574127111	-2.968715392
11930	CHD3	3	1	1.887306777	2.225509442
11931	RNF227	1	1	-1.815892729	1.012117006
11932	KCNAB3	11	1	0.620828834	-0.799618922
11933	TRAPPC1	3	1	2.643152562	4.942326821
11934	CNTROB	10	1	3.883241501	-3.188150607
11935	HES7	8	1	0.895962921	0.415970512
11936	PER1	1	1	-1.685159716	1.836312331
11937	VAMP2	14	1	-0.096523407	2.216964878
11938	TMEM107	7	1	1.968500462	-2.234528266
11939	BORCS6	12	1	-2.32007018	-1.484630786
11940	AURKB	10	1	4.147415247	-3.619330131
11941	LINC00324	6	1	-1.029036316	-2.766002856
11942	CTC1	4	1	-0.331972334	-0.869630419
11943	PFAS	7	1	2.577511874	-2.640281879
11944	SLC25A35	6	1	-1.144161734	-1.767156325
11945	RANGRF	7	1	3.444034186	-1.171607696
11946	KRBA2	12	1	-3.164869937	-2.195968829
11947	RPL26	3	1	1.964066592	5.510970391
11948	NDEL1	14	1	-0.543978247	2.89037589
11949	MYH10	3	1	1.595464435	3.710516251
11950	AC005695.3	9	1	-0.013830154	-0.543109499
11951	STX8	2	1	3.594851342	1.389043726
11952	CFAP52	15	1	-3.908010396	-0.428229414

11953	GLP2R	18	1	-3.500731143	1.582758821
11954	GAS7	15	1	-4.675722036	-1.238390766
11955	AC005291.2	13	1	-2.988191995	0.405718192
11956	AC005291.1	13	1	-3.466609153	-0.574737631
11957	MYHAS	15	1	-3.845570001	-0.333771967
11958	SCO1	2	1	3.554707613	-0.619297408
11959	ADPRM	13	1	-2.437957439	0.251990847
11960	TMEM220	15	1	-3.534886274	-2.045080386
11961	MEM220-A	1	1	-2.73033658	1.188046135
11962	ZNF18	4	1	-1.585571203	-1.224964224
11963	MAP2K4	7	1	1.672573414	-1.342105709
11964	LINC00670	1	1	-1.304917011	2.410056151
11965	MYOCD	14	1	-0.312597159	2.360056676
11966	ELAC2	7	1	2.164652195	-2.402611934
11967	HS3ST3A1	9	1	-0.265465829	-0.450489007
11968	AC005304.3	5	1	1.291330305	-1.528281652
11969	COX10	5	1	0.603372005	-2.296604596
11970	AC005224.1	5	1	0.824405995	-2.556030475
11971	HS3ST3B1	1	1	-1.86723176	1.568027295
11972	AC005224.3	1	1	-1.532184872	1.737326421
11973	PMP22	13	1	-3.779230747	0.031207658
11974	TVP23C	9	1	-1.303584847	-0.132931851
11975	AC005838.2	13	1	-2.082715187	0.319631167
11976	TRIM16	1	1	-2.23283926	1.518335975
11977	ZNF286A	4	1	-0.659912559	-1.065318905
11978	AC015922.4	13	1	-3.775776538	-0.705257617
11979	ADORA2B	1	1	-1.882073912	1.663565792
11980	ZSWIM7	2	1	4.302883711	0.844537593
11981	TTC19	7	1	2.759395924	-0.756535016
11982	NCOR1	3	1	2.277014103	2.797696866
11983	PIGL	9	1	-0.072744194	-0.112532638
11984	CENPV	16	1	3.349320975	3.237515248
11985	UBB	16	1	3.629794684	4.243315257
11986	AC093484.3	2	1	3.436692563	-0.538310312
11987	TRPV2	4	1	-2.138497028	-1.250412189
11988	LRRC75A	13	1	-3.104883108	-0.124240361
11989	ZNF287	6	1	-1.367549691	-2.476276599
11990	ZNF624	9	1	-1.149660382	-0.281222426
11991	CCDC144A	1	1	-1.675897631	1.496419586
11992	AC098850.3	13	1	-2.902948293	-0.162334822
11993	MPRIP	8	1	0.631375876	2.195490278
11994	MPRIP-AS1	4	1	-0.478639934	-1.116854392
11995	PLD6	11	1	0.657378641	-0.076466881

11996	FLCN	9	1	-0.485627744	0.512621201
11997	AC055811.3	9	1	-0.897877786	0.81816823
11998	COPS3	7	1	4.189841357	-1.086432539
11999	NT5M	10	1	2.077790347	-3.743899547
12000	MED9	11	1	0.502417472	-0.907055937
12001	RASD1	17	1	-3.453343067	2.789563216
12002	PEMT	2	1	4.104074088	0.109579451
12003	RAI1	9	1	-0.158758703	-0.404693924
12004	SMCR5	1	1	-1.22008923	1.868695177
12005	SREBF1	4	1	0.177933973	-0.784529768
12006	TOM1L2	4	1	-1.336810264	-0.669974648
12007	DRC3	6	1	-2.207254085	-3.800298892
12008	ATPAF2	6	1	-1.049884591	-2.625967942
12009	GID4	1	1	-1.561387691	2.320515312
12010	DRG2	2	1	4.418421832	-0.139383279
12011	ALKBH5	14	1	-0.530099425	3.20738963
12012	LLGL1	8	1	0.544165638	0.275726981
12013	FLII	11	1	1.87281355	-0.079615109
12014	MIEF2	4	1	-0.598776016	-1.154729568
12015	TOP3A	5	1	2.204006043	-3.042813502
12016	SMCR8	9	1	-0.762786064	-0.277033232
12017	SHMT1	10	1	2.813059416	-3.708465301
12018	TRIM16L	12	1	-3.033961448	-1.301831447
12019	FBXW10	17	1	-4.772693071	3.234859504
12020	TVP23B	1	1	-1.635356936	2.591348685
12021	PRPSAP2	7	1	2.086746064	-1.639940225
12022	FAM83G	4	1	-0.449319574	-1.217334829
12023	AC007952.4	15	1	-4.365180883	-0.88206061
12024	EPN2	8	1	0.567536738	2.051000513
12025	AC124066.1	1	1	-1.577023897	1.614844717
12026	B9D1	2	1	3.99600729	1.022588111
12027	MAPK7	13	1	-1.866375837	0.3406021
12028	MFAP4	15	1	-4.408157262	-0.171664261
12029	SLC47A1	19	2	-7.01163331	0.220267631
12030	ALDH3A2	6	1	-0.743314955	-3.354329311
12031	ULK2	4	1	-0.168124142	-1.297746502
12032	AC015726.1	9	1	-0.645962688	-0.462828659
12033	AKAP10	1	1	-0.963671598	1.219141699
12034	SPECC1	15	1	-3.858228836	0.636844136
12035	DC144NL-4	12	1	-2.464734468	-2.635827743
12036	USP22	11	1	1.801243034	0.881598748
12037	DHRS7B	6	1	0.456154671	-3.231048785
12038	TMEM11	2	1	3.812101927	-0.586236917

12039	NATD1	1	1	-2.535399589	1.529950537
12040	MAP2K3	8	1	0.727884796	0.761273064
12041	KCNJ12	1	1	-2.212398681	2.238412179
12042	C17orf51	8	1	0.743049887	0.022848345
12043	MTRNR2L1	8	1	0.4693993	0.795702792
12044	WSB1	14	1	-0.099848169	3.609671153
12045	KSR1	1	1	-2.586457881	1.450863279
12046	LGALS9	13	1	-2.454638872	-0.329192065
12047	LYRM9	15	1	-3.409558925	-0.936387263
12048	NLK	9	1	0.021959842	-0.514326476
12049	TMEM97	10	1	2.795937386	-3.762642585
12050	IFT20	3	1	0.815046039	4.640565194
12051	TNFAIP1	8	1	0.531953958	1.360256351
12052	POLDIP2	2	1	4.414022055	0.195782549
12053	TMEM199	5	1	0.906695154	-3.334960424
12054	SARM1	12	1	-2.75869337	-2.08314129
12055	VTN	15	1	-4.417830858	-0.708843671
12056	SLC46A1	12	1	-2.735026988	-1.489766322
12057	AC015917.2	15	1	-3.355687532	-1.694958888
12058	AC005726.1	1	1	-0.756586585	1.412981547
12059	UNC119	2	1	3.400397149	0.838120349
12060	PIGS	14	1	-0.588148686	3.394844331
12061	ALDOC	1	1	-1.771639857	3.159045733
12062	SPAG5	10	1	4.468878356	-3.215805255
12063	SGK494	9	1	-0.063338432	0.469726257
12064	KIAA0100	11	1	1.289511767	-0.57176318
12065	SDF2	2	1	3.763871995	1.047062672
12066	SUPT6H	11	1	2.067823735	0.319404188
12067	PROCA1	5	1	1.092885223	-2.281924211
12068	RAB34	16	1	3.564440814	4.318206824
12069	RPL23A	3	1	1.819541421	5.402480401
12070	TLCD1	4	1	-1.977500352	-1.423924647
12071	NEK8	12	1	-1.832653436	-2.04322239
12072	TRAF4	12	1	-2.232196245	-1.741395436
12073	FAM222B	4	1	-0.904126975	-1.334644161
12074	ERAL1	7	1	3.422060338	-1.188419782
12075	FLOT2	4	1	-0.457854065	-0.942696534
12076	DHRS13	10	1	2.50631651	-3.177150451
12077	PHF12	9	1	-0.487225744	-0.299633943
12078	MYO18A	9	1	-0.865779254	0.527504749
12079	NUFIP2	14	1	-0.214849684	2.674277343
12080	AC068025.2	8	1	0.061582544	1.491934337
12081	TAOK1	8	1	0.786559191	1.626014627

12082	ABHD15	6	1	-1.458934459	-1.839190923
12083	TP53I13	2	1	3.710802403	1.394749678
12084	GIT1	11	1	0.834517744	-0.982134305
12085	ANKRD13E	6	1	-1.585909996	-2.710488998
12086	CORO6	13	1	-2.250711832	-0.100181572
12087	SSH2	5	1	1.079961625	-1.47747203
12088	EFCAB5	12	1	-2.382031354	-2.33843299
12089	NSRP1	3	1	1.066979733	4.488548554
12090	AC104984.3	1	1	-1.028032574	1.956427254
12091	AC104984.1	17	1	-4.59828082	3.276148118
12092	BLMH	7	1	2.125428286	-1.167282067
12093	CPD	14	1	-0.450760695	2.435194053
12094	GOSR1	2	1	3.443623391	-0.205783211
12095	AC127024.2	1	1	-0.769640896	1.519663729
12096	CRLF3	11	1	1.004626182	-1.159530603
12097	AC127024.6	17	1	-4.714583311	3.091733016
12098	ATAD5	10	1	2.749239531	-3.910668574
12099	TEFM	6	1	-0.232593629	-3.278391324
12100	AC130324.3	10	1	2.636493292	-3.941779338
12101	ADAP2	19	2	-7.354062471	0.262088693
12102	RNF135	6	1	-1.353006634	-1.81815549
12103	NF1	8	1	1.009250072	1.442912139
12104	EVI2B	19	2	-7.248179826	0.334092464
12105	EVI2A	19	2	-7.261247072	0.417478964
12106	RAB11FIP4	6	1	-1.611824903	-3.351160012
12107	AC003101.2	20	1	-1.127227697	-4.108162604
12108	COPRS	2	1	4.598847952	0.705177523
12109	UTP6	2	1	3.612305251	-0.613131307
12110	SUZ12	7	1	2.779146042	-1.082772456
12111	LRRC37B	9	1	-0.623196158	0.29707808
12112	AC116407.1	12	1	-2.513222846	-1.63924285
12113	RHOT1	8	1	0.102202755	1.759203471
12114	C17orf75	7	1	3.262249079	-1.121957861
12115	ZNF207	3	1	2.441554394	2.833759822
12116	AC005899.6	1	1	-1.913620028	2.363536276
12117	PSMD11	2	1	4.437355605	-0.655448996
12118	CDK5R1	5	1	1.082240429	-1.760015451
12119	MYO1D	12	1	-2.583024415	-2.168364965
12120	TMEM98	2	1	3.9626995	1.24125538
12121	CCL2	17	1	-3.153505716	2.844593324
12122	CCL7	17	1	-3.497582826	2.753453769
12123	CCL8	19	2	-7.185227785	0.315831035
12124	CCT6B	15	1	-4.02214137	-1.331978642

12125	ZNF830	7	1	2.281898346	-1.624551021
12126	LIG3	11	1	0.849464384	-0.492941641
12127	RFFL	9	1	-0.10459626	-0.08509814
12128	AC004223.2	1	1	-1.944288048	2.059652246
12129	RAD51D	5	1	1.63693079	-3.262404882
12130	NLE1	7	1	2.470664111	-2.449362241
12131	SLFN5	14	1	0.984829333	2.825591124
12132	SLFN11	7	1	2.004333821	-2.215416871
12133	SLFN12	4	1	0.232139867	-1.322588168
12134	LINC02001	6	1	-0.293237719	-3.762288772
12135	PEX12	13	1	-2.118302497	0.662790932
12136	AP2B1	3	1	1.442892757	4.145887174
12137	TAF15	7	1	3.050745097	-0.563376688
12138	RASL10B	13	1	-3.273167047	-0.487998806
12139	MMP28	1	1	-2.494608554	1.510517753
12140	AC015849.1	1	1	-2.560519847	2.900590218
12141	CCL5	1	1	-1.480153832	2.600228108
12142	RDM1	10	1	4.393966761	-3.145945512
12143	CCL3	19	2	-7.434514436	0.250182144
12144	CCL4	19	2	-7.443178091	0.324662637
12145	AC243829.1	18	1	-3.250847969	1.611112155
12146	CCL4L2	19	2	-7.386850271	0.246858202
12147	ZNHIT3	2	1	3.336963501	-0.075072013
12148	MYO19	10	1	2.42659196	-3.340721093
12149	PIGW	5	1	1.550866571	-2.94414898
12150	GGNBP2	14	1	-0.410274002	2.936014928
12151	DHRS11	5	1	1.510110345	-2.711221181
12152	MRM1	7	1	2.040081826	-1.967409812
12153	AC243830.2	9	1	-0.759051654	0.150821917
12154	AATF	7	1	3.785491791	-1.030879699
12155	ACACA	11	1	0.960743573	-0.717270337
12156	TADA2A	5	1	1.667860475	-2.723202192
12157	DUSP14	2	1	3.576124993	-0.062081777
12158	SYNRG	7	1	2.433170882	-0.663026892
12159	DDX52	7	1	3.925585833	-1.064814888
12160	MRPL45	2	1	3.292386141	0.112086095
12161	SOCS7	9	1	-0.382333073	0.777716704
12162	ARHGAP23	7	1	1.784255591	-0.635404431
12163	EPOP	8	1	0.652475443	0.389296206
12164	AC006449.6	6	1	-2.289594564	-3.482855998
12165	MLLT6	9	1	-0.467072103	0.397171173
12166	CISD3	2	1	4.424300757	0.355086652
12167	PCGF2	14	1	-0.156783822	2.344903268

12168	AC006449.5	5	1	1.029475537	-3.909148418
12169	PSMB3	16	1	3.674611178	3.560473241
12170	PIP4K2B	9	1	-1.06779829	-0.168274604
12171	CWC25	7	1	2.291675654	-1.261222325
12172	RPL23	3	1	1.635028687	5.27096013
12173	LASP1	14	1	0.833083954	3.039611853
12174	LINC00672	1	1	-0.936399195	2.262034215
12175	CACNB1	9	1	-0.809734795	0.34022849
12176	RPL19	3	1	2.431644049	5.599825181
12177	FBXL20	1	1	-1.488214883	1.308868624
12178	MED1	7	1	2.191282836	-1.014185868
12179	CDK12	11	1	2.240914431	-0.199323677
12180	AC009283.1	9	1	-1.621470365	-0.155133687
12181	NEUROD2	17	1	-4.549145135	3.222503222
12182	STARD3	4	1	-0.042580831	-1.525548898
12183	PNMT	5	1	0.629817095	-2.095902883
12184	PGAP3	13	1	-2.411641511	-0.614225529
12185	ERBB2	4	1	-1.310931715	-0.859313809
12186	MIEN1	2	1	4.375708666	0.657806553
12187	GRB7	10	1	2.002494302	-4.124050342
12188	GSDMB	1	1	-1.702991399	2.464424647
12189	ORMDL3	1	1	-1.166940722	1.636021174
12190	GSDMA	13	1	-2.396329555	-0.755395018
12191	PSMD3	2	1	4.488756743	-0.313495837
12192	AC090844.3	1	1	-2.49910346	2.760986365
12193	CSF3	17	1	-3.643761787	2.902575291
12194	MED24	5	1	1.266133156	-2.534578525
12195	THRA	1	1	-2.177639398	2.448193587
12196	NR1D1	14	1	-0.89545885	3.129649915
12197	MSL1	14	1	-0.020973924	2.294463791
12198	CASC3	11	1	2.086494055	0.36532711
12199	RAPGEFL1	6	1	-1.301892552	-1.858600818
12200	WIPF2	4	1	-0.159515026	-1.164464675
12201	CDC6	10	1	2.499241438	-4.165739738
12202	RARA	4	1	-0.919730219	-1.249778472
12203	RARA-AS1	13	1	-3.094828996	-0.81375166
12204	TOP2A	10	1	4.221621123	-3.539209567
12205	IGFBP4	3	1	1.134172884	4.927264012
12206	SMARCE1	2	1	3.515350428	-0.659790002
12207	AC073508.3	6	1	-0.820877287	-3.221926652
12208	KRT10	16	1	3.785789099	4.161068477
12209	TMEM99	6	1	-0.9807587	-3.176148139
12210	KRTAP1-5	8	1	0.670248476	0.845537551

12211	KRTAP1-1	8	1	0.674897161	0.604786522
12212	KRTAP2-2	12	1	-2.617094669	-2.120334111
12213	KRTAP2-3	8	1	0.924762872	-0.029258423
12214	KRTAP4-12	8	1	0.734207776	0.057318307
12215	KRT33B	4	1	-0.406104419	-1.895632468
12216	KRT34	8	1	0.403073576	1.299848296
12217	KRT13	6	1	-1.549535546	-3.426012002
12218	KRT15	5	1	1.255331245	-1.24307891
12219	KRT19	2	1	4.630932894	0.764987923
12220	KRT17	6	1	-1.837037715	-3.137205802
12221	EIF1	3	1	2.19246873	5.555955685
12222	JUP	4	1	-1.451004419	-1.288212262
12223	P3H4	3	1	0.809783605	4.53620366
12224	FKBP10	3	1	0.918157127	4.748561181
12225	NT5C3B	2	1	4.37068471	0.678001888
12226	KLHL10	8	1	0.188010734	1.798957266
12227	KLHL11	5	1	0.707681146	-1.619221054
12228	ACLY	8	1	0.559815195	2.311840452
12229	CNP	7	1	1.949369398	-1.264548384
12230	DNAJC7	2	1	4.437360373	-0.651945554
12231	NKIRAS2	12	1	-2.660280618	-1.560867749
12232	DHX58	1	1	-1.923594031	1.745783247
12233	KAT2A	5	1	0.402686205	-2.845905982
12234	RAB5C	2	1	4.461263266	1.946040191
12235	GHDC	1	1	-2.615015897	1.30241356
12236	STAT5B	1	1	-1.034400138	1.726581014
12237	STAT5A	1	1	-1.682355794	1.661356367
12238	STAT3	14	1	-0.747829887	2.690052785
12239	CAVIN1	3	1	1.917400566	3.875525988
12240	ATP6V0A1	4	1	-1.642154965	-0.446621083
12241	NAGLU	13	1	-2.791510257	-0.147295259
12242	HSD17B1	12	1	-3.230251226	-1.726026498
12243	AC067852.2	6	1	-1.441554222	-2.452010833
12244	COASY	7	1	3.049529639	-0.8270249
12245	MLX	2	1	3.605159369	-0.103880428
12246	PSMC3IP	10	1	2.721025076	-3.904245578
12247	RETREG3	1	1	-1.521944437	0.540726222
12248	TUBG1	7	1	3.82402834	-1.735368453
12249	TUBG2	1	1	-2.027174148	0.828975178
12250	PLEKHH3	9	1	0.152742547	0.055305488
12251	CCR10	12	1	-1.981892499	-1.7235808
12252	AC100793.2	13	1	-2.159833106	0.044013299
12253	CNTNAP1	1	1	-1.188908133	1.179288961

12254	EZH1	1	1	-1.130667719	1.405704178
12255	RAMP2	6	1	-1.452825818	-3.364452802
12256	VPS25	2	1	4.314583865	0.182699479
12257	WNK4	5	1	1.29096016	-1.162063681
12258	COA3	2	1	4.664626685	0.63201306
12259	CNTD1	1	1	-1.712892684	1.714634813
12260	BECN1	2	1	3.687157002	0.257315889
12261	PSME3	2	1	4.024133292	-0.564687751
12262	AOC3	15	1	-4.736478719	-0.94221922
12263	AARSD1	4	1	0.076072641	-1.554341279
12264	PTGES3L	4	1	-1.791749749	-1.036977492
12265	RUNDC1	9	1	-0.709671173	0.044648774
12266	RPL27	3	1	2.57222065	5.424745358
12267	IFI35	12	1	-3.226404342	-1.148862802
12268	VAT1	3	1	1.089605299	4.336022414
12269	RND2	6	1	-1.81314877	-2.480781995
12270	BRCA1	10	1	2.758023825	-4.010518752
12271	AC060780.1	9	1	-1.184821758	0.555114247
12272	NBR1	14	1	-0.236204389	2.411158599
12273	TMEM106A	9	1	-1.033428463	0.121527202
12274	ARL4D	3	1	1.184674826	2.40942768
12275	DHX8	7	1	2.09663209	-1.399448596
12276	ETV4	5	1	1.520433989	-1.992498838
12277	DUSP3	4	1	-1.328114781	-1.130599581
12278	AC003098.1	17	1	-4.702082071	3.014146603
12279	MPP3	4	1	-0.216535601	-1.114839278
12280	MPP2	1	1	-2.435718927	1.425786175
12281	TMEM101	14	1	-0.986183438	3.564552583
12282	LSM12	2	1	3.301088658	-0.46366366
12283	G6PC3	2	1	4.059784499	0.697238721
12284	HDAC5	1	1	-1.264918956	1.933265604
12285	C17orf53	10	1	3.409036246	-3.840738021
12286	ASB16-AS1	6	1	-1.386496577	-1.802151643
12287	TMUB2	1	1	-1.502157959	1.829699673
12288	ATXN7L3	4	1	-0.430860373	-0.69017335
12289	UBTF	2	1	3.162935105	-0.558800243
12290	AC003102.1	1	1	-1.795041475	0.726261146
12291	SLC4A1	17	1	-4.77280322	3.260682143
12292	JNDC3A-A	12	1	-2.342008266	-1.091426455
12293	SLC25A39	2	1	4.345087138	0.337911855
12294	GRN	14	1	-0.016324043	4.405250348
12295	FAM171A2	9	1	-1.092694435	-0.429755829
12296	GPATCH8	11	1	1.899237123	0.524345137

12297	FZD2	14	1	-1.122972164	3.35067252
12298	MEIOC	5	1	1.437221375	-2.130291186
12299	CCDC43	2	1	3.715497342	-0.551418208
12300	DBF4B	10	1	3.80293068	-3.556086503
12301	ADAM11	1	1	-1.880552563	2.279653467
12302	GJC1	7	1	1.836060849	-0.869581782
12303	EFTUD2	7	1	3.289676276	-1.285213433
12304	KIF18B	10	1	4.135864821	-3.489765369
12305	DCAKD	9	1	-0.60314903	-0.043951474
12306	NMT1	3	1	1.168489304	4.132084168
12307	PLCD3	15	1	-3.819991979	-0.981788241
12308	ACBD4	1	1	-2.066036853	1.671578325
12309	AC142472.1	1	1	-1.768031034	2.093871511
12310	HEXIM1	9	1	-1.391986761	-0.316750847
12311	HEXIM2	18	1	-3.34720889	0.547700964
12312	AC138150.2	13	1	-3.62009469	-0.646263205
12313	AC008105.3	1	1	-2.497982416	2.543072976
12314	FMNL1	1	1	-2.596091184	2.405342139
12315	MAP3K14	4	1	0.326364931	-0.919902288
12316	ARHGAP27	11	1	0.729515102	-0.970736586
12317	PLEKHM1	4	1	-1.585059199	-0.425500714
12318	AC091132.5	5	1	1.373118964	-1.4197497
12319	MAPT	1	1	-2.009749565	1.258461334
12320	KANSL1	8	1	1.126316991	1.294222332
12321	CR936218.1	6	1	-2.349822435	-3.557315074
12322	KANSL1-AS	12	1	-3.007795009	-2.068669521
12323	ARL17B	8	1	0.690576401	0.265016846
12324	LRRC37A	8	1	0.264262628	0.629633076
12325	LRRC37A2	9	1	-0.89647356	0.4830162
12326	ARL17A	8	1	0.700570908	0.125983782
12327	FAM215B	5	1	0.567175415	-1.868042432
12328	NSF	11	1	1.923216906	0.336748205
12329	WNT3	6	1	-1.237908873	-1.791115247
12330	AC005670.1	20	1	-1.012911353	-4.403892718
12331	GOSR2	2	1	3.482713309	0.498932846
12332	CDC27	7	1	3.150892582	-2.086661302
12333	MYL4	12	1	-3.185917768	-1.703659736
12334	ITGB3	1	1	-1.029117736	1.739399947
12335	EFCAB13	1	1	-0.878024849	1.851564564
12336	NPEPPS	8	1	0.250706267	2.042174734
12337	KPNB1	16	1	2.893238869	3.028699912
12338	TBKBP1	9	1	-1.780804786	0.030482538
12339	OSBPL7	4	1	-1.571826133	-1.14459654

12340	MRPL10	14	1	-1.045456085	3.060598887
12341	SCRN2	14	1	-1.23589972	3.404292621
12342	SP2	5	1	0.521021423	-2.506423913
12343	SP2-AS1	6	1	-1.109366331	-3.04953333
12344	PNPO	6	1	-0.51792011	-3.13526889
12345	AC018521.2	6	1	-0.608776006	-3.00715705
12346	CDK5RAP3	14	1	0.71649119	2.644545831
12347	COPZ2	3	1	1.962357846	5.072514333
12348	NFE2L1	14	1	0.923828569	3.446137227
12349	AC004477.3	4	1	-0.328986797	-1.369320713
12350	CBX1	10	1	4.124011126	-2.246313535
12351	SNX11	4	1	-0.995768103	-1.598828159
12352	HOXB2	1	1	-1.876858863	1.38512019
12353	HOXB-AS1	1	1	-2.095557842	2.694771565
12354	HOXB3	9	1	-0.767837617	0.607289515
12355	HOXB4	9	1	-0.787008736	0.830273665
12356	HOXB5	9	1	-0.884504888	-0.480829083
12357	HOXB6	4	1	-0.748234841	-0.671963774
12358	HOXB7	2	1	4.009910908	0.096279926
12359	HOXB9	4	1	-1.795272383	-1.327763878
12360	AC103702.2	13	1	-3.00532833	0.203498237
12361	LINC02086	13	1	-2.507455024	-0.070252322
12362	HOXB13	15	1	-3.908028516	-0.232003354
12363	TTL6	17	1	-3.287407073	2.402421035
12364	CALCOCO2	14	1	-0.020794764	2.878512658
12365	ATP5MC1	16	1	4.007540551	3.161630429
12366	UBE2Z	8	1	1.444933739	0.71532283
12367	SNF8	16	1	4.096056548	3.644758023
12368	GIP	13	1	-3.379653129	-0.458749138
12369	IGF2BP1	11	1	1.924867716	0.359307732
12370	ABI3	11	1	1.129260626	-0.949292384
12371	ZNF652	1	1	-1.423455629	0.753798403
12372	PHB	16	1	4.001020518	3.121918954
12373	NXPH3	13	1	-2.01431838	-0.516154073
12374	SPOP	2	1	3.356115428	0.003520258
12375	SLC35B1	2	1	4.542254057	0.180805616
12376	FAM117A	13	1	-2.204178724	0.475877665
12377	KAT7	5	1	1.781887022	-2.297069751
12378	ITGA3	11	1	1.833440867	-0.051556222
12379	AC002401.4	12	1	-2.717600975	-2.093712293
12380	PDK2	12	1	-3.453928146	-1.283270203
12381	SAMD14	13	1	-2.376157674	-0.094782971
12382	PPP1R9B	4	1	-0.732470188	-1.074165426

12383	SGCA	15	1	-3.864681396	-1.124235951
12384	COL1A1	3	1	1.000179198	4.851953305
12385	AC015909.1	13	1	-3.317367467	-0.218971215
12386	AC015909.4	13	1	-3.317475709	-0.735873066
12387	LINC01969	13	1	-3.366102848	-0.790821396
12388	TMEM92	6	1	-1.598061714	-2.095539771
12389	XYLT2	1	1	-0.852035555	1.285411455
12390	MRPL27	2	1	4.746005145	0.957641162
12391	EME1	10	1	3.452064124	-3.781039439
12392	LRRC59	16	1	3.625742045	2.912305392
12393	ACSF2	13	1	-2.519752893	0.490036756
12394	RSAD1	11	1	0.795953062	-1.090009414
12395	MYCBPAP	1	1	-1.740956339	1.747940697
12396	SPATA20	13	1	-2.377157125	0.787523873
12397	ABCC3	18	1	-3.661595258	0.43608557
12398	ANKRD40	11	1	0.958992925	-1.014595472
12399	AC005921.2	5	1	0.557222631	-2.272597276
12400	LUC7L3	3	1	2.663337794	2.478632726
12401	WFIKKN2	12	1	-3.35427967	-1.977355682
12402	TOB1	9	1	-1.021880064	-0.219669245
12403	SPAG9	11	1	2.207738009	0.130353458
12404	NME1	16	1	3.982526627	3.130772151
12405	NME2	14	1	-1.165140304	3.351071872
12406	MBTD1	9	1	-0.827272627	0.646743811
12407	UTP18	7	1	3.789224711	-1.195215665
12408	TOM1L1	9	1	-1.133251104	0.26526761
12409	COX11	2	1	3.635163155	-0.458579801
12410	STXBP4	6	1	-0.752173814	-2.690257751
12411	MMD	11	1	0.647729722	-1.264613115
12412	TMEM100	6	1	-1.360557827	-3.070597373
12413	PCTP	1	1	-1.646489295	0.64544148
12414	NOG	8	1	0.928896037	0.757224239
12415	C17orf67	5	1	-0.202377263	-2.29302045
12416	DGKE	11	1	0.920144763	-0.79384657
12417	TRIM25	8	1	-0.034353438	0.735465713
12418	AC015912.3	15	1	-4.073925409	-1.687292539
12419	COIL	7	1	3.599830952	-0.90278586
12420	SCPEP1	14	1	-0.753834877	3.940030373
12421	AC007114.1	13	1	-3.643987808	-0.760384761
12422	AKAP1	7	1	1.92931315	-2.121814691
12423	MSI2	1	1	-1.252121362	1.165432907
12424	MRPS23	2	1	4.656803694	0.002691187
12425	CUEDC1	13	1	-1.893161211	-0.468381964

12426	VEZF1	8	1	1.241435733	1.129060782
12427	AC015813.1	9	1	-0.663547251	0.438196569
12428	SRSF1	7	1	2.775399771	-0.699052297
12429	DYNLL2	7	1	2.478868809	-1.128729426
12430	MKS1	5	1	0.700748411	-2.180785857
12431	SPOAP1-AS	13	1	-3.117811117	0.597777478
12432	SUPT4H1	2	1	4.246601191	0.924981154
12433	MTMR4	5	1	1.254517284	-2.079410754
12434	SEPT4	18	1	-3.164774808	1.679829515
12435	RAD51C	7	1	4.065874663	-1.174696885
12436	PPM1E	3	1	1.061323491	2.357814945
12437	TRIM37	7	1	1.695165482	-0.415973984
12438	AC099850.1	5	1	0.696319845	-3.129812919
12439	SKA2	10	1	4.103615847	-2.239915572
12440	PRR11	10	1	4.446139422	-3.002376043
12441	SMG8	4	1	-0.198423627	-2.066875659
12442	GDPD1	1	1	-1.511114392	0.988174058
12443	YPEL2	1	1	-1.706660661	2.763352431
12444	DHX40	14	1	-0.729318711	3.225796498
12445	AC091271.1	6	1	-2.264516267	-3.826854907
12446	CLTC	3	1	2.237846938	2.92086295
12447	PTRH2	7	1	3.427677241	-0.806961142
12448	VMP1	3	1	0.903077391	4.365001477
12449	TUBD1	10	1	3.276843157	-2.956850969
12450	RPS6KB1	11	1	1.009161201	-0.71908053
12451	RNFT1	6	1	-1.736616644	-2.998559676
12452	HEATR6	11	1	1.476805416	-0.581973516
12453	USP32	9	1	-0.601109836	0.042178578
12454	APPBP2	8	1	0.584371176	1.260237373
12455	PPM1D	5	1	0.072018356	-2.557141744
12456	BCAS3	18	1	-2.928640995	1.983328618
12457	TBX2-AS1	18	1	-3.572084579	1.851544536
12458	TBX2	17	1	-3.583243522	2.440651692
12459	C17orf82	15	1	-4.066933069	-1.701414548
12460	NACA2	5	1	1.286524859	-2.65037819
12461	BRIP1	10	1	2.861437645	-3.946872913
12462	INTS2	11	1	0.547155228	-0.455557488
12463	MED13	8	1	0.860602584	1.410746611
12464	METTL2A	7	1	3.171498147	-1.187017881
12465	TLK2	11	1	2.002917376	0.28749448
12466	AC080038.2	17	1	-4.795092496	2.770564832
12467	AC080038.1	6	1	-1.538251314	-2.306864701
12468	MRC2	3	1	0.937928525	4.427395619

12469	TANC2	14	1	-0.326370064	2.706163682
12470	CYB561	18	1	-3.223177347	1.002009369
12471	DCAF7	7	1	2.253537503	-0.9800485
12472	TACO1	2	1	4.469770041	-0.220139347
12473	MAP3K3	5	1	0.557359007	-1.960597001
12474	STRADA	9	1	-0.511285457	0.243825905
12475	LIMD2	6	1	-1.776051197	-2.865745984
12476	CCDC47	2	1	3.366935101	-0.52866628
12477	DDX42	11	1	2.602847186	-0.417911552
12478	FTSJ3	7	1	3.35956296	-1.215798341
12479	PSMC5	16	1	4.019225922	3.040943421
12480	SMARCD2	7	1	2.511460152	-1.298807346
12481	ERN1	1	1	-1.798280272	2.721465386
12482	SNHG25	3	1	0.883115795	4.121265448
12483	TEX2	6	1	-1.303324255	-1.686091148
12484	PECAM1	19	2	-7.298741254	0.287315212
12485	MILR1	4	1	-1.269466791	-0.753542267
12486	POLG2	9	1	0.292708066	-0.384938263
12487	DDX5	3	1	1.352048126	4.248670138
12488	CEP95	9	1	-0.79534373	0.711441941
12489	SMURF2	11	1	1.63368198	0.449929662
12490	LRRC37A3	12	1	-3.268968496	-1.256702863
12491	AC037487.1	12	1	-2.567613277	-2.047024928
12492	GNA13	9	1	0.050368511	-0.617394231
12493	RGS9	10	1	2.841507998	-3.152277909
12494	CEP112	5	1	1.285968748	-2.375228606
12495	PRKCA	11	1	1.606528965	0.883641876
12496	HELZ	8	1	-0.248631153	1.954397477
12497	PSMD12	2	1	4.398304072	-0.717453324
12498	PITPNC1	17	1	-3.678019676	2.179773964
12499	NOL11	7	1	3.425436106	-1.324062906
12500	BPTF	3	1	2.524299231	2.588747777
12501	C17orf58	11	1	1.069316831	-0.922714792
12502	KPNA2	10	1	4.108194438	-3.024916612
12503	AC005332.7	4	1	-1.821398053	-0.622871958
12504	AC005332.4	19	2	-6.439415845	0.063228018
12505	AMZ2	2	1	3.538197127	1.06179998
12506	ARSG	18	1	-3.154913816	0.699096508
12507	SLC16A6	19	2	-7.39440051	0.248224176
12508	WIPI1	14	1	-0.973384652	3.832946099
12509	PRKAR1A	8	1	0.292281118	2.253286518
12510	FAM20A	15	1	-4.843305025	-1.048766576
12511	ABCA8	15	1	-4.43776885	-1.28099712

12512	ABCA9	15	1	-3.727271709	-2.294540845
12513	ABCA6	15	1	-3.748916063	-2.145495139
12514	ABCA10	12	1	-2.289303216	-2.667990409
12515	ABCA5	13	1	-2.50204626	0.589219145
12516	MAP2K6	18	1	-3.943783435	0.865552075
12517	KCNJ2	17	1	-4.783377561	3.12940029
12518	SOX9	4	1	-0.239281717	-0.835517965
12519	SLC39A11	13	1	-1.821662936	0.448986575
12520	COG1	1	1	-1.443938407	0.805351235
12521	FAM104A	2	1	3.747846928	-0.655732237
12522	C17orf80	6	1	-0.506637904	-2.930024348
12523	CDC42EP4	5	1	0.84868094	-1.619324647
12524	SDK2	15	1	-3.712999258	-1.69623562
12525	RPL38	3	1	1.736836281	5.10504321
12526	TTYH2	4	1	-1.925718817	-1.066939198
12527	GPRC5C	15	1	-4.005653295	0.249673284
12528	CD300E	17	1	-2.946669254	2.752803601
12529	SLC9A3R1	1	1	-1.614671621	1.787865557
12530	NAT9	1	1	-1.896220359	0.943604328
12531	TMEM104	6	1	-1.079050931	-2.127268993
12532	FDXR	6	1	-0.063771802	-3.287716113
12533	HID1	4	1	-1.81840137	-0.812426649
12534	CDR2L	4	1	-0.567821118	-1.206929289
12535	MRPL58	2	1	4.462638941	-0.258461379
12536	KCTD2	4	1	-0.849764857	-0.81650766
12537	ATP5PD	3	1	2.069750634	5.036360062
12538	SLC16A5	1	1	-2.237977657	1.363302864
12539	ARMC7	4	1	-1.073058638	-1.552196585
12540	NT5C	2	1	4.769791213	0.591280363
12541	JPT1	16	1	3.667634573	3.015671052
12542	SUMO2	3	1	2.102150765	5.173476971
12543	NUP85	10	1	2.851992932	-3.550939046
12544	GGA3	4	1	0.126867507	-1.248450361
12545	MRPS7	2	1	4.72020587	0.315748103
12546	MIF4GD	5	1	0.717021969	-2.107298337
12547	AC022211.2	5	1	1.866944757	-3.169528686
12548	SLC25A19	5	1	2.21471366	-2.993784152
12549	GRB2	2	1	3.39180049	-0.568633579
12550	TMEM94	6	1	-0.831623826	-2.022320233
12551	CASKIN2	4	1	0.018596082	-2.010554515
12552	TSEN54	5	1	1.642345992	-3.203356706
12553	LLGL2	12	1	-2.093807849	-2.607251607
12554	RECQL5	9	1	-0.486779484	-0.47954353

12555	SMIM5	17	1	-4.780042562	2.796713628
12556	SMIM6	12	1	-2.148848447	-2.606178008
12557	SAP30BP	7	1	3.966380206	-0.95497521
12558	GALK1	2	1	4.030744639	1.020420052
12559	H3F3B	16	1	2.868769494	3.912189998
12560	UNK	5	1	0.694723275	-2.350729905
12561	UNC13D	4	1	-1.91240612	-0.952411376
12562	WBP2	14	1	-1.105028662	2.955218829
12563	TRIM47	8	1	0.492915955	0.541717849
12564	AC087289.5	6	1	-2.448867235	-3.60843011
12565	TRIM65	11	1	0.564742234	-0.894921504
12566	FBF1	5	1	1.947317091	-3.119846784
12567	ACOX1	13	1	-1.955366406	-0.266997837
12568	TEN1	12	1	-2.658745918	-2.182051383
12569	CDK3	13	1	-2.355329666	-0.410603307
12570	SRP68	3	1	1.47625443	2.172158636
12571	EXOC7	2	1	3.944372979	0.444448255
12572	UBALD2	10	1	4.228292075	-3.117154561
12573	QRICH2	4	1	-0.935510609	-1.665338479
12574	PRPSAP1	7	1	3.0381349	-1.154673539
12575	SPHK1	14	1	0.530122158	3.028292693
12576	UBE2O	11	1	0.599127856	-0.870835982
12577	RHBDF2	8	1	0.178086412	0.870815731
12578	CYGB	15	1	-4.197235021	-1.174596988
12579	PRCD	15	1	-4.09069148	-1.107012592
12580	AC015802.6	1	1	-0.615417633	1.245994128
12581	MXRA7	3	1	1.609547105	4.993705548
12582	JMJD6	14	1	-1.056710395	3.436663903
12583	METTL23	2	1	3.392821398	1.232450641
12584	SRSF2	16	1	3.667741147	2.615446366
12585	MFSD11	6	1	-1.280321154	-2.4010522
12586	SEC14L1	11	1	1.483881441	-0.472032212
12587	SEPT9	7	1	1.963331547	-0.738309108
12588	AC111182.1	20	1	-1.203881416	-4.397252284
12589	TNRC6C	4	1	0.122810003	-1.202266298
12590	TMC6	19	2	-7.073812398	0.246915526
12591	C17orf99	10	1	2.393537131	-3.993255817
12592	SYNGR2	1	1	-1.160070691	2.267043151
12593	TK1	10	1	4.120771494	-2.156015121
12594	AFMID	1	1	-2.007202539	2.284884013
12595	BIRC5	10	1	4.230889884	-2.507847749
12596	SOCS3	15	1	-3.924506101	0.687828846
12597	AC061992.1	15	1	-4.717561635	-1.086151444

12598	PGS1	4	1	-0.064697991	-1.401918493
12599	CYTH1	13	1	-2.350541028	0.467211112
12600	USP36	11	1	0.917172697	-0.543629609
12601	TIMP2	3	1	0.878340629	4.718828477
12602	AC100788.1	1	1	-0.675352785	1.62065164
12603	LGALS3BP	14	1	-0.020083252	4.359562196
12604	CANT1	7	1	2.199629393	-1.246298395
12605	1QTNF1-A5	1	1	-2.3155655	2.036897696
12606	C1QTNF1	17	1	-2.652495536	2.738082208
12607	ENGASE	4	1	-0.645326766	-0.588396035
12608	RBFOX3	1	1	-1.114075098	2.192968644
12609	LINC02078	13	1	-3.433175239	-0.233479522
12610	CBX2	10	1	2.069664088	-3.335506879
12611	CBX8	1	1	-1.29758254	1.934206761
12612	LINC01977	12	1	-2.400677118	-1.353549205
12613	CBX4	8	1	-0.344160441	1.39299766
12614	TBC1D16	9	1	-1.189622554	-0.142774128
12615	CCDC40	15	1	-3.589737091	-1.933991157
12616	GAA	14	1	-0.772681865	3.947804726
12617	EIF4A3	7	1	3.979697314	-1.064881049
12618	CARD14	1	1	-2.031525287	2.346093453
12619	AC087741.1	9	1	-0.685805473	0.920822777
12620	SGSH	13	1	-2.350454959	-0.644207321
12621	SLC26A11	13	1	-1.988452348	-0.321711622
12622	RNF213	14	1	-0.229920361	2.558347262
12623	AC124319.2	1	1	-1.453762087	2.48451928
12624	ENDOV	13	1	-3.114173564	-0.239215158
12625	NPTX1	17	1	-3.389528903	2.49839095
12626	RPTOR	4	1	-0.484981391	-1.658341848
12627	CHMP6	2	1	4.46495637	0.177500568
12628	BAIAP2-DT	4	1	-1.960770163	-1.385829292
12629	BAIAP2	5	1	-0.419282737	-2.420336686
12630	CEP131	7	1	3.032991257	-2.886249505
12631	TEPSIN	11	1	0.57571086	-1.288102947
12632	NDUFAF8	2	1	4.706626978	1.325278498
12633	SLC38A10	13	1	-2.875789794	-0.466764115
12634	AC110285.6	10	1	4.100951281	-3.007154428
12635	BAHCC1	4	1	0.387333688	-1.368415557
12636	ACTG1	3	1	2.303293791	4.79663638
12637	FAAP100	6	1	-0.784071598	-2.559236013
12638	NPLOC4	7	1	1.843483654	-0.472723507
12639	TSPAN10	12	1	-3.292647275	-1.045492612
12640	OXLD1	2	1	3.77011427	1.134855665

12641	CCDC137	7	1	3.579469529	-1.229263388
12642	ARL16	2	1	3.976855364	-0.25881698
12643	HGS	7	1	1.885390487	-0.324497365
12644	AC139530.1	20	1	-1.163160238	-4.185059272
12645	MRPL12	2	1	4.714442816	0.121977903
12646	SLC25A10	10	1	2.459247675	-3.150098287
12647	MCRIP1	3	1	3.320238915	4.522174157
12648	P4HB	3	1	1.105842438	4.783143319
12649	ARHGDIA	16	1	3.37339696	3.261100329
12650	AC145207.5	5	1	1.966951457	-3.254610501
12651	ALYREF	7	1	3.826583949	-1.311582886
12652	ANAPC11	3	1	2.990969744	4.713353433
12653	NPB	12	1	-2.83654848	-2.714653455
12654	PCYT2	2	1	4.107591715	0.897216715
12655	SIRT7	5	1	0.689538982	-2.810947858
12656	MAFG	17	1	-4.798136148	3.27544979
12657	MAFG-DT	6	1	-1.795921835	-2.619313203
12658	PYCR1	3	1	1.840881553	4.546713628
12659	ASPSCR1	2	1	3.975336638	0.664042987
12660	CENPX	7	1	3.922035304	-1.421121322
12661	LRRC45	10	1	2.169668522	-3.647952281
12662	RAC3	2	1	4.453026858	0.522693865
12663	DCXR	2	1	4.72343215	0.767746962
12664	AC137723.1	6	1	-0.761524829	-3.82508298
12665	RFNG	14	1	-1.426222715	3.089844979
12666	GPS1	2	1	4.473627654	-0.255156003
12667	DUS1L	2	1	3.66416153	-0.642017447
12668	FASN	7	1	3.320465651	-0.950081907
12669	CCDC57	4	1	-0.974861178	-1.659575187
12670	SLC16A3	3	1	1.743103352	4.419874467
12671	CSNK1D	8	1	1.331075516	1.480670012
12672	AC132872.1	1	1	-1.418979916	1.932793535
12673	OGFOD3	2	1	3.92900261	1.144324697
12674	HEXDC	6	1	-0.923139665	-2.745518886
12675	CYBC1	2	1	3.965599862	0.491024002
12676	NARF	1	1	-2.241102848	3.021464146
12677	NARF-AS1	14	1	-1.423710737	3.117823876
12678	FOXK2	11	1	0.820017663	-0.971192084
12679	AC124283.1	4	1	0.255899352	-1.114778482
12680	WDR45B	14	1	-0.03602292	3.353465594
12681	RAB40B	12	1	-2.752861175	-1.286355339
12682	FN3KRP	10	1	2.773916569	-3.507490359
12683	FN3K	12	1	-2.283182773	-1.66331812

12684	TBCD	5	1	1.689155427	-2.527425967
12685	B3GNTL1	5	1	1.009962764	-2.918876849
12686	METRNL	3	1	1.208127227	4.752556123
12687	AC130371.2	12	1	-2.852776203	-1.038945995
12688	AC144831.1	13	1	-3.184090051	-0.94678589
12689	USP14	16	1	3.304350701	2.743502892
12690	THOC1	7	1	2.739144888	-1.797620498
12691	AP000845.1	10	1	4.337183562	-3.088369332
12692	COLEC12	15	1	-4.552656087	-1.45956298
12693	CLUL1	15	1	-4.427738103	-1.387637101
12694	TYMS	10	1	3.702721205	-2.709969722
12695	ENOSF1	5	1	1.405268636	-3.08771082
12696	YES1	11	1	1.844904509	0.370579619
12697	AP001020.3	1	1	-0.779389593	1.706490077
12698	AP000894.4	20	1	-1.277970824	-3.957884513
12699	METTL4	10	1	3.312601414	-3.008587562
12700	NDC80	10	1	4.337724772	-3.553690396
12701	SMCHD1	7	1	2.621376839	-1.039311491
12702	EMILIN2	6	1	-1.027457628	-2.37499138
12703	LPIN2	14	1	-0.27445558	2.552148379
12704	MYOM1	13	1	-2.483502302	-0.615323387
12705	AP005329.3	12	1	-2.528341445	-1.557333552
12706	MYL12A	3	1	2.400526372	4.495233334
12707	MYL12B	3	1	2.925774899	4.444109715
12708	LINC01895	12	1	-2.823668155	-2.163598262
12709	TGIF1	14	1	-1.063405904	3.019281663
12710	DLGAP1-AS1	1	1	-2.462973031	2.454828299
12711	DLGAP1-AS2	9	1	-0.031509663	0.311381906
12712	AP002478.1	17	1	-4.742975149	3.196404733
12713	LINC00526	12	1	-3.237046155	-2.61531397
12714	LINC00667	2	1	3.835474577	0.547734804
12715	ZBTB14	1	1	-0.575269136	1.269537426
12716	EPB41L3	6	1	-1.463955793	-2.946008645
12717	AP005205.2	13	1	-3.747293624	-0.468022846
12718	LAMA1	18	1	-3.465680274	1.767157592
12719	PTPRM	1	1	-2.007491979	1.049284078
12720	RAB12	6	1	-0.716805074	-3.078995191
12721	GACAT2	12	1	-2.57246128	-2.202120267
12722	MTCL1	8	1	0.033485247	1.296872832
12723	NDUFV2	16	1	3.537056532	4.122678794
12724	NDUFV2-AS1	12	1	-3.187597427	-1.688844882
12725	ANKRD12	14	1	-0.837664995	2.837989129
12726	TWSG1	14	1	-0.19773193	2.97281865

12727	RALBP1	3	1	2.369804945	3.565938271
12728	PPP4R1	7	1	2.334887114	-1.176341616
12729	PPP4R1-AS1	8	1	0.387058046	2.086480774
12730	RAB31	18	1	-4.10469428	1.925638832
12731	AC006238.1	15	1	-3.748168859	-2.173571311
12732	VAPA	16	1	2.872798052	3.799937524
12733	NAPG	2	1	3.700103608	-0.459347032
12734	PIEZO2	13	1	-3.520118627	-0.261991881
12735	GNAL	17	1	-4.697317037	3.083655871
12736	CHMP1B	17	1	-4.360537919	3.044267691
12737	MPPE1	13	1	-2.166999254	-0.063803904
12738	AP001269.4	6	1	-2.288409147	-3.702060424
12739	IMPA2	5	1	1.394462553	-3.26692792
12740	TUBB6	16	1	3.478841153	3.153080977
12741	AFG3L2	7	1	3.352516022	-0.959954106
12742	PRELID3A	11	1	0.549662855	-0.360833965
12743	SPIRE1	7	1	2.907378521	-0.595144235
12744	PSMG2	2	1	4.209343997	0.024421818
12745	CEP76	10	1	3.428313103	-3.21878358
12746	PTPN2	14	1	-0.922763619	3.275537051
12747	SEH1L	5	1	1.555340853	-1.545883976
12748	CEP192	10	1	3.504093495	-3.2130787
12749	LDLRAD4	15	1	-4.289042387	-0.725778781
12750	AP005131.1	14	1	-0.504169735	2.696096457
12751	FAM210A	7	1	1.820587841	-1.398247324
12752	RNMT	14	1	-0.883653376	3.427173652
12753	ZNF519	10	1	2.894180623	-3.65856906
12754	ROCK1	3	1	2.535728064	2.621605672
12755	GREB1L	13	1	-3.344836149	-0.692054115
12756	ESCO1	9	1	-0.759027693	0.891814627
12757	SNRPD1	16	1	3.600271311	3.040125407
12758	ABHD3	10	1	2.133088675	-3.329342805
12759	MIB1	8	1	0.610708204	1.341093875
12760	GATA6-AS1	12	1	-3.186513576	-1.397819124
12761	GATA6	15	1	-3.582591447	-0.968105994
12762	AC091588.2	6	1	-2.36666337	-2.941408597
12763	CTAGE1	12	1	-2.630869779	-1.850969993
12764	AC090912.2	12	1	-2.147174034	-2.510829888
12765	RBBP8	10	1	2.437979308	-3.630473338
12766	CABLES1	12	1	-2.415664587	-2.184648715
12767	TMEM241	4	1	-0.291411641	-0.882933103
12768	RIOK3	13	1	-3.717400226	0.010347612
12769	RMC1	11	1	0.68557128	-1.221043073

12770	NPC1	1	1	-1.214620027	1.116523362
12771	TTC39C	11	1	0.507478949	-1.126349412
12772	CABYR	10	1	3.726339665	-3.030815803
12773	OSBPL1A	8	1	1.070906368	1.105100192
12774	IMPACT	7	1	2.897504416	-0.521838151
12775	ZNF521	15	1	-4.208572778	-0.129150652
12776	SS18	11	1	2.062079039	-0.063080751
12777	TAF4B	1	1	-1.587250266	2.236705221
12778	KCTD1	4	1	-1.182416234	-1.504803859
12779	AQP4	6	1	-2.38804737	-3.460391246
12780	CDH2	3	1	0.80710676	4.740546025
12781	DSC3	13	1	-2.692509088	0.384330207
12782	DSC2	13	1	-2.681041631	0.485525265
12783	DSG2	4	1	-0.121447864	-1.707313024
12784	B4GALT6	4	1	-0.605427477	-1.017319404
12785	AC017100.1	6	1	-1.55941442	-3.479926788
12786	TRAPPC8	4	1	0.152260829	-1.029085838
12787	RNF138	5	1	2.20412859	-2.831824504
12788	GAREM1	1	1	-2.54417387	1.475433148
12789	ASXL3	15	1	-4.224218759	0.08579082
12790	DTNA	1	1	-1.383039865	0.617004253
12791	MAPRE2	4	1	-1.760561618	-0.324526869
12792	ZNF397	1	1	-1.808681044	2.184396542
12793	ZSCAN30	1	1	-1.341063055	1.209460057
12794	AC011815.1	1	1	-0.99713293	1.276165582
12795	ZNF24	11	1	1.723508802	0.496817305
12796	AC007998.2	6	1	-0.97559956	-3.328186952
12797	INO80C	5	1	1.445045558	-2.957402908
12798	GALNT1	6	1	-2.111922893	-3.448172055
12799	AC090229.1	6	1	-1.572344455	-3.212264262
12800	C18orf21	1	1	-2.476831111	2.093081869
12801	RPRD1A	8	1	0.461310413	1.876661815
12802	SLC39A6	14	1	0.027884936	2.384197511
12803	ELP2	14	1	-0.744319531	3.186090506
12804	AC023043.1	1	1	-1.764885339	2.549294509
12805	MOCOS	3	1	1.136510816	2.471359767
12806	FHOD3	1	1	-2.474662218	1.654493846
12807	TPGS2	3	1	1.951078382	4.24827031
12808	KIAA1328	10	1	2.990254012	-3.127187692
12809	AC015961.2	5	1	0.789709714	-1.84211918
12810	AC016205.1	10	1	2.882996884	-3.971651755
12811	PIK3C3	8	1	0.101164353	0.764224149
12812	SETBP1	15	1	-3.897508773	-2.236839973

12813	SLC14A1	8	1	0.910553721	0.106657512
12814	SIGLEC15	11	1	0.836646584	-1.120052301
12815	EPG5	8	1	0.96580055	1.4192392
12816	PSTPIP2	8	1	0.779690114	0.129550896
12817	ATP5F1A	3	1	1.989805308	4.54172448
12818	HAUS1	7	1	3.986402121	-1.457905494
12819	C18orf25	9	1	-0.199494663	-0.15196725
12820	PIAS2	9	1	-0.938416931	0.524749078
12821	KATNAL2	15	1	-4.310726556	-1.108913027
12822	HDHD2	5	1	0.617324498	-2.392559014
12823	IER3IP1	14	1	0.64710286	3.145977773
12824	MIR4527HC	8	1	0.796385375	0.838316746
12825	SMAD2	14	1	0.016300444	2.269082822
12826	CTIF	9	1	-1.529442343	-0.111478202
12827	SMAD7	13	1	-2.466627511	-0.003049694
12828	DYM	1	1	-1.48374835	2.859720029
12829	C18orf32	1	1	-2.519743356	1.621229686
12830	RPL17	3	1	1.80691537	5.330351151
12831	LIPG	18	1	-4.069561395	1.9562997
12832	ACAA2	2	1	4.326900569	0.791714854
12833	SNHG22	1	1	-1.642249736	2.561466254
12834	MYO5B	6	1	-0.703254911	-3.484196864
12835	MBD1	4	1	0.027101847	-1.093838774
12836	CXXC1	5	1	1.467220989	-2.890662872
12837	SKA1	10	1	3.956942883	-3.641172134
12838	ME2	11	1	2.674676981	-0.501761161
12839	ELAC1	6	1	-0.349302504	-3.510240041
12840	SMAD4	8	1	1.021444228	1.432201661
12841	MEX3C	9	1	-0.32283065	0.688507475
12842	MBD2	2	1	3.780258742	-0.845037185
12843	AC093462.1	20	1	-1.153166446	-4.321814262
12844	POLI	13	1	-2.349725637	0.054448135
12845	C18orf54	10	1	3.65630826	-3.524599754
12846	RAB27B	17	1	-3.521615657	2.523740567
12847	CCDC68	18	1	-3.681695613	1.111194588
12848	TCF4	14	1	-0.195890772	2.744058884
12849	TXNL1	16	1	3.728798476	3.983537949
12850	WDR7	4	1	0.070832965	-1.159903012
12851	FECH	5	1	-0.163270223	-2.451636516
12852	AC100847.1	17	1	-4.624313268	3.220485486
12853	NARS	3	1	1.786817995	2.998651065
12854	AC027097.1	4	1	0.154347007	-0.972755872
12855	ATP8B1	8	1	1.02850118	1.342575587

12856	NEDD4L	8	1	0.091926352	1.247145213
12857	ALPK2	13	1	-3.341318998	-0.637521111
12858	MALT1	11	1	0.995350268	-1.013259255
12859	ZNF532	9	1	-0.922115418	-0.237799011
12860	SEC11C	2	1	4.423238364	0.13434755
12861	GRP	5	1	2.132896987	-3.062346898
12862	LMAN1	3	1	1.370714274	4.543126382
12863	CCBE1	8	1	1.067869034	1.651781834
12864	AC010776.2	11	1	1.326949683	0.146167092
12865	PMAIP1	8	1	0.844635871	1.067260541
12866	AC090409.1	5	1	1.451293555	-2.025565587
12867	RNF152	9	1	0.226015699	0.041443534
12868	PIGN	4	1	-0.313960615	-1.161070429
12869	KIAA1468	5	1	0.344591108	-2.007796489
12870	ZCCHC2	11	1	0.586632815	-0.547014378
12871	PHLPP1	11	1	0.670654264	-0.959553562
12872	BCL2	10	1	2.61852726	-3.78559991
12873	KDSR	14	1	-0.388008866	2.898476638
12874	AC036176.1	15	1	-3.800133142	-1.657303535
12875	VPS4B	11	1	2.668314305	-0.358496331
12876	SERPINB7	1	1	-2.34555355	2.006114043
12877	SERPINB2	18	1	-3.686226282	1.145152844
12878	HMSD	6	1	-1.085878763	-3.170449697
12879	SERPINB8	5	1	1.002561238	-2.621209108
12880	AC110597.1	1	1	-1.069302353	1.756424702
12881	DSEL	11	1	2.211835232	0.08669246
12882	TMX3	14	1	0.460130629	2.408036269
12883	CCDC102B	18	1	-3.871509227	1.047536708
12884	DOK6	15	1	-4.364248666	-0.329092704
12885	CD226	15	1	-4.441980752	-0.442051552
12886	RTTN	10	1	3.219951239	-3.44993373
12887	SOCS6	15	1	-4.192200098	-0.070582561
12888	TIMM21	10	1	2.628334132	-3.494002305
12889	CYB5A	15	1	-3.9967908	-0.03759455
12890	CNDP2	7	1	3.321179953	-1.162575327
12891	LINC00909	5	1	-0.070798706	-2.814080917
12892	ZNF407	4	1	-0.229795459	-2.011768542
12893	ZADH2	5	1	1.038852778	-2.194677793
12894	TSHZ1	15	1	-3.640255603	-2.011133157
12895	ZNF516	1	1	-1.225085649	0.968932308
12896	AC018413.1	3	1	1.0958074	2.37624947
12897	LINC00908	1	1	-2.321456584	2.980966367
12898	AC027575.2	12	1	-2.985150728	-2.356252395

12899	ZNF236	4	1	-0.081501398	-1.711789333
12900	MBP	1	1	-1.486041936	0.592994578
12901	ATP9B	4	1	-0.606819424	-1.97182294
12902	NFATC1	4	1	-1.713369402	-0.370241903
12903	AC068473.5	20	1	-1.098379049	-4.309831821
12904	CTDP1	4	1	-0.445215884	-1.609379374
12905	KCNG2	17	1	-3.380262765	2.453497208
12906	PQLC1	2	1	4.067716685	-0.156442128
12907	HSBP1L1	13	1	-3.167020235	-0.168771528
12908	TXNL4A	16	1	3.92553648	3.631357945
12909	RBFA	2	1	4.367264357	-0.602278434
12910	ADNP2	11	1	0.980207887	-1.203369342
12911	ARD6G-AS1	1	1	-1.998989734	0.762151576
12912	PARD6G	12	1	-2.490557823	-2.377599679
12913	C20orf96	6	1	-0.11705907	-3.564660274
12914	ZCCHC3	1	1	-1.538059029	2.225786604
12915	NRSN2-AS1	1	1	-2.106862936	1.462289132
12916	SOX12	9	1	-0.402099106	0.783171542
12917	NRSN2	6	1	-1.4399263	-2.168736182
12918	TRIB3	3	1	1.413147297	2.64570836
12919	RBCK1	3	1	1.26129016	2.470845021
12920	TBC1D20	14	1	-0.351687554	3.027244128
12921	CSNK2A1	3	1	1.583774176	3.454849042
12922	FAM110A	10	1	4.039621916	-3.2082543
12923	PSMF1	2	1	4.365336981	0.324112985
12924	SNPH	4	1	-0.884199891	-1.178971134
12925	SDCBP2	17	1	-4.254209432	3.072936334
12926	SDCBP2-AS1	12	1	-2.818915996	-1.214220129
12927	FKBP1A	3	1	2.888416853	4.518007554
12928	NSFL1C	2	1	4.252743807	-0.16475787
12929	SIRPB1	8	1	0.613566485	0.402684634
12930	AL117335.1	1	1	-1.262099657	2.01743678
12931	SIRPA	14	1	-0.336668524	2.68801669
12932	STK35	9	1	-0.689025077	-0.23787906
12933	SNRPB	16	1	3.589091387	3.038343228
12934	ZNF343	1	1	-1.655065927	1.064455308
12935	NOP56	7	1	4.110277739	-1.16201707
12936	IDH3B	2	1	4.1986967	-0.560373984
12937	EBF4	13	1	-2.706573877	0.314445831
12938	CPXM1	15	1	-4.009317789	-0.841786467
12939	PCED1A	1	1	-2.203230772	1.621185459
12940	VPS16	2	1	3.864658442	0.480751969
12941	PTPRA	14	1	-0.374260011	3.081330098

12942	MRPS26	2	1	4.371653166	-0.562771522
12943	OXT	13	1	-3.393098506	-0.37687739
12944	UBOX5	4	1	-0.671621832	-1.726193868
12945	FASTKD5	5	1	0.189465013	-2.595572673
12946	LZTS3	9	1	-0.552516136	0.214859806
12947	DDRKG1	2	1	3.652653304	1.250224329
12948	ITPA	2	1	4.565984812	0.256115436
12949	SLC4A11	6	1	-0.912365529	-2.022928439
12950	AL109976.1	12	1	-2.710848245	-1.227111422
12951	C20orf194	9	1	-1.003807458	-0.126502715
12952	ATRN	9	1	-1.026170763	0.357830113
12953	ADAM33	4	1	-1.683035764	-0.307703041
12954	C20orf27	2	1	4.4607788	-0.485784196
12955	CENPB	7	1	2.591091242	-1.120894395
12956	CDC25B	10	1	4.455134478	-3.291910373
12957	LINC01730	10	1	3.982247201	-3.03138014
12958	AP5S1	6	1	-0.540059719	-2.702327453
12959	MAVS	8	1	0.34811711	1.577708043
12960	PANK2	7	1	2.834584084	-0.959119164
12961	RNF24	14	1	-0.471940848	2.541509188
12962	AL356414.1	17	1	-3.569685134	2.924128093
12963	SMOX	17	1	-3.684637937	2.942115582
12964	ADRA1D	11	1	1.260910359	0.112337269
12965	PRNP	11	1	1.411163536	0.353621961
12966	RASSF2	19	2	-7.10441533	0.227721877
12967	SLC23A2	4	1	-0.68050966	-1.407199942
12968	TMEM230	3	1	2.280246106	5.315519132
12969	PCNA	10	1	2.733638611	-3.827007495
12970	CDS2	4	1	-0.23903397	-1.799780809
12971	AL121757.1	18	1	-3.776140127	1.025537707
12972	GPCPD1	15	1	-3.462372455	-1.821317874
12973	SHLD1	6	1	-0.511303338	-3.431065761
12974	TRMT6	7	1	3.712184754	-1.387778841
12975	MCM8	10	1	3.004967776	-3.736322127
12976	AL035461.2	10	1	2.676106539	-3.89487382
12977	CRLS1	14	1	-0.052455279	2.591595925
12978	LRRN4	6	1	-1.172283921	-2.20963832
12979	FERMT1	5	1	1.157593575	-3.016269647
12980	TMX4	18	1	-3.997525129	1.878331698
12981	PLCB1	18	1	-3.821420822	1.686901726
12982	PLCB4	4	1	-1.922511372	-0.804374658
12983	ANKEF1	12	1	-3.282909784	-1.649956189
12984	SNAP25	17	1	-3.177688274	2.506598271

12985	MKKS	5	1	0.478156027	-2.736892663
12986	SLX4IP	6	1	-0.461243484	-3.103188239
12987	JAG1	8	1	0.280591246	0.292082406
12988	AL050403.2	12	1	-2.07424036	-2.643905126
12989	BTBD3	11	1	0.972585347	-0.952823006
12990	SPTLC3	6	1	-2.045185241	-3.159203254
12991	TASP1	6	1	-0.700180563	-3.158174478
12992	ESF1	7	1	3.720442858	-1.145876251
12993	NDUFAF5	7	1	2.325323668	-2.361793481
12994	SEL1L2	12	1	-2.769833478	-1.747403108
12995	MACROD2	12	1	-3.046395215	-1.464941226
12996	FLRT3	12	1	-3.069623861	-2.879774772
12997	KIF16B	4	1	-0.828042898	-0.7403396
12998	SNRPB2	3	1	2.480979052	4.046510972
12999	BFSP1	15	1	-3.753643665	-1.15023645
13000	DSTN	3	1	1.804294673	5.207038678
13001	RRBP1	3	1	0.956731465	4.493401326
13002	SNX5	7	1	2.760610667	-0.90480002
13003	MGME1	10	1	3.415930834	-3.676442825
13004	PET117	7	1	1.792120781	-1.49726864
13005	KAT14	5	1	0.157898803	-2.371889554
13006	ZNF133	1	1	-1.734262976	1.605067648
13007	DZANK1	6	1	-0.638346824	-2.448665343
13008	POLR3F	5	1	0.489367124	-2.934563838
13009	RBBP9	5	1	0.803295043	-2.267210447
13010	SEC23B	7	1	1.545471755	-0.746030294
13011	SMIM26	3	1	2.30319604	5.070847787
13012	DTD1	2	1	4.377333251	-0.361878537
13013	SLC24A3	12	1	-2.384950551	-2.429125272
13014	AL132821.1	15	1	-3.963335189	-0.101379864
13015	RIN2	4	1	-0.541338298	-1.925930463
13016	NAA20	2	1	4.279838172	-0.490837537
13017	CRNKL1	3	1	1.422106472	2.191145815
13018	RALGAPA2	6	1	-0.530209395	-2.142697059
13019	KIZ	1	1	-2.199203405	2.942005671
13020	AL117332.1	6	1	-0.477944407	-3.159185849
13021	XRN2	16	1	3.287383881	3.203191079
13022	NXT1	10	1	2.914938059	-3.41266533
13023	GZF1	5	1	0.247201082	-2.048732721
13024	NAPB	9	1	-0.915980014	0.187866293
13025	CST3	3	1	1.975747076	5.09890107
13026	CST1	8	1	0.936208334	0.553506292
13027	SYNDIG1	15	1	-3.842255506	-2.300227605

13028	APMAP	14	1	-0.193974885	3.451425589
13029	ENTPD6	7	1	2.247829762	-1.326121174
13030	PYGB	7	1	1.690642801	-0.78357371
13031	ABHD12	7	1	3.054909792	-1.182247125
13032	GINS1	10	1	2.819421616	-3.982108794
13033	NINL	1	1	-1.358696613	1.041493274
13034	NANP	4	1	-0.03944658	-1.116862618
13035	ZNF337-AS	12	1	-3.325643215	-1.046754204
13036	ZNF337	9	1	-0.979829106	0.165965922
13037	HM13	3	1	1.318589774	4.94403056
13038	AL110115.2	11	1	2.138155785	0.574728764
13039	ID1	6	1	-2.023133907	-3.595360004
13040	BCL2L1	5	1	0.825482812	-1.608256184
13041	TPX2	10	1	4.366467085	-3.304116927
13042	FOXS1	12	1	-2.314869556	-1.687783681
13043	PDRG1	7	1	3.008649674	-0.771678768
13044	HCK	19	2	-7.482497129	0.337020039
13045	TM9SF4	14	1	-0.695034358	3.120329655
13046	PLAGL2	9	1	0.160729241	-0.46816697
13047	POFUT1	7	1	1.542030421	-0.906646095
13048	KIF3B	6	1	-0.537454817	-2.348395311
13049	ASXL1	7	1	3.084230032	-0.79430791
13050	NOL4L	1	1	-0.699937615	1.696605004
13051	COMMD7	2	1	3.864184943	0.192041002
13052	DNMT3B	10	1	3.251712647	-2.984927379
13053	MAPRE1	7	1	3.255620804	-1.015656911
13054	AL035071.1	4	1	-0.342429432	-1.590827547
13055	CDK5RAP1	7	1	2.030905929	-2.416866742
13056	SNTA1	13	1	-2.8324689	-0.399551712
13057	CBFA2T2	1	1	-1.328365836	1.528343715
13058	NECAB3	13	1	-3.065297279	0.152288906
13059	ACTL10	6	1	-1.874017033	-2.59912201
13060	E2F1	10	1	2.534953681	-4.108329021
13061	PXMP4	5	1	1.099330392	-3.222990953
13062	ZNF341	4	1	0.191682157	-1.256790601
13063	CHMP4B	11	1	1.743093815	0.858869262
13064	AL034549.1	12	1	-3.226094875	-1.587424599
13065	RALY	2	1	4.39203414	-0.407022678
13066	EIF2S2	3	1	1.936187592	4.553640164
13067	ASIP	15	1	-4.814831647	-0.996435248
13068	AHCY	2	1	4.096813288	-0.213822924
13069	ITCH	14	1	-0.408181313	2.862793244
13070	DYNLRB1	3	1	3.211917487	4.461114682

13071	MAP1LC3A	12	1	-3.01537362	-1.132492863
13072	PIGU	5	1	1.495615926	-2.77677723
13073	NCOA6	4	1	0.278907892	-0.831092082
13074	TP53INP2	12	1	-2.70000163	-1.143231951
13075	GGT7	13	1	-2.886165533	0.440276902
13076	ACSS2	1	1	-1.568452749	0.8643905
13077	GSS	2	1	4.34545621	0.019920029
13078	TRPC4AP	7	1	1.79713079	-0.307647966
13079	EDEM2	14	1	-1.238505396	3.501155652
13080	PROCR	2	1	3.662028876	1.326651133
13081	AL356652.1	14	1	-0.5369207	2.886707581
13082	MMP24OS	3	1	1.892694321	5.033890523
13083	MMP24	12	1	-2.691330347	-1.873002254
13084	EIF6	16	1	4.00432333	3.051341332
13085	UQCC1	5	1	0.914187756	-1.637889825
13086	GDF5	12	1	-2.178197774	-2.244008504
13087	CEP250	7	1	1.748032537	-1.4796656
13088	ERGIC3	3	1	1.074652639	4.913691319
13089	SPAG4	1	1	-1.998478326	3.129723109
13090	CPNE1	2	1	3.553724614	1.581215299
13091	RBM12	7	1	1.847995129	-1.496905051
13092	NFS1	4	1	-0.370633665	-2.071868383
13093	ROMO1	3	1	1.626422968	5.047042168
13094	RBM39	16	1	2.791025963	3.548497952
13095	PHF20	8	1	1.26451346	1.119422056
13096	SCAND1	16	1	4.040811625	3.712384261
13097	CNBD2	6	1	-2.160467061	-3.314413987
13098	NORAD	14	1	-0.318594667	2.523456134
13099	EPB41L1	9	1	-1.820928368	-0.256995462
13100	AAR2	5	1	-0.133839029	-2.508151256
13101	DLGAP4	8	1	0.552274373	1.407713927
13102	MYL9	3	1	2.058035698	4.627054013
13103	TGIF2	4	1	0.003273819	-2.078595601
13104	RAB5IF	2	1	3.833201495	-0.239373289
13105	NDRG3	6	1	-1.066979799	-2.258692466
13106	DSN1	10	1	2.671779957	-3.848683559
13107	SOGA1	10	1	3.751834956	-3.146417819
13108	SAMHD1	11	1	0.754986671	-0.928810083
13109	RBL1	10	1	2.629954186	-3.890717708
13110	MROH8	5	1	0.987201956	-2.667004071
13111	RPN2	3	1	1.064791885	4.82450179
13112	MANBAL	2	1	3.582972136	0.308640428
13113	SRC	1	1	-1.073974523	1.568934001

13114	BLCAP	12	1	-2.836982879	-1.587132775
13115	NNAT	8	1	0.994535056	-0.02839341
13116	CTNNBL1	7	1	3.913813439	-1.006159626
13117	VSTM2L	13	1	-2.786834869	-0.952515923
13118	TTI1	10	1	2.15134677	-3.373183213
13119	RPRD1B	4	1	-0.154014546	-1.391256653
13120	TGM2	14	1	-0.446744534	4.281866349
13121	KIAA1755	15	1	-3.833197507	-0.970141851
13122	RALGAPB	9	1	-0.729674611	-0.376854263
13123	ARHGAP40	8	1	0.185036015	0.97482232
13124	ACTR5	5	1	1.633055296	-2.493010245
13125	FAM83D	10	1	4.156062212	-3.409589969
13126	AL023803.2	10	1	4.203080264	-3.220492564
13127	DHX35	4	1	0.13413426	-0.966900669
13128	MAFB	19	2	-6.98955718	0.180714197
13129	TOP1	16	1	3.420757142	3.102957524
13130	PLCG1	11	1	0.427486923	-1.196864806
13131	ZHX3	8	1	0.439709452	1.903755821
13132	LPIN3	13	1	-2.756970081	-0.026905351
13133	EMILIN3	10	1	2.442385283	-3.653219424
13134	CHD6	8	1	0.286093768	1.959840812
13135	SRSF6	7	1	2.611866322	-0.522349797
13136	L3MBTL1	9	1	-1.145090136	0.132940329
13137	IFT52	2	1	3.833890763	0.426989168
13138	MYBL2	10	1	3.196217623	-3.401286088
13139	TOX2	3	1	1.176080909	2.442095794
13140	JPH2	1	1	-0.798145029	1.969613828
13141	OSER1	14	1	-1.098732266	3.109141625
13142	OSER1-DT	1	1	-2.393820915	2.312084354
13143	FITM2	4	1	0.002300025	-1.934585534
13144	TTPAL	4	1	-0.218826267	-1.387613498
13145	SERINC3	14	1	-0.198932368	3.122848309
13146	PKIG	14	1	-0.647277626	2.523740329
13147	ADA	13	1	-1.930152091	0.326155342
13148	CNK15-AS	1	1	-2.282044324	1.927232183
13149	YWHAB	16	1	3.855134097	3.397501506
13150	PABPC1L	4	1	-0.405863527	-0.68119558
13151	TOMM34	7	1	3.027535525	-1.715051137
13152	STK4	11	1	1.374769416	0.086948938
13153	KCNS1	1	1	-1.747481498	1.070396758
13154	SDC4	8	1	1.195725408	0.758939691
13155	SYS1	2	1	3.626823512	1.024305858
13156	PIGT	14	1	-0.335033271	4.253154792

13157	WFDC3	18	1	-3.103805217	0.7380426
13158	DNTTIP1	2	1	4.299960223	-0.107577764
13159	UBE2C	10	1	4.179660407	-3.582167588
13160	SNX21	6	1	-1.320273313	-2.726494037
13161	ACOT8	13	1	-2.311822328	0.039876319
13162	ZSWIM3	4	1	-1.176478538	-1.646197044
13163	ZSWIM1	9	1	-1.15454832	0.579201929
13164	NEURL2	15	1	-3.908265027	-1.181575261
13165	CTSA	14	1	-0.192755523	4.322509087
13166	PLTP	14	1	-0.426530901	4.15751604
13167	PCIF1	5	1	1.343826619	-2.670839749
13168	ZNF335	4	1	-0.183927882	-2.146905385
13169	SLC12A5	12	1	-2.877127561	-1.026847683
13170	NCOA5	5	1	0.892147925	-2.180707894
13171	CD40	1	1	-2.332116279	1.98566667
13172	SLC35C2	14	1	-1.336931142	3.472308911
13173	ELMO2	4	1	-0.779225561	-1.60569831
13174	ZNF334	15	1	-4.127657804	0.057918139
13175	SLC13A3	1	1	-2.00048295	1.592527665
13176	TP53RK	2	1	4.362553206	0.137236215
13177	AL031055.1	12	1	-2.931062374	-2.36953827
13178	SLC2A10	1	1	-1.856000695	1.48246149
13179	ZMYND8	11	1	2.613080588	-0.276125215
13180	NCOA3	8	1	0.860149947	0.655996419
13181	SULF2	15	1	-4.598136339	-0.358432435
13182	PREX1	5	1	0.993564752	-2.741204463
13183	AL133342.1	6	1	-1.159688863	-3.550828181
13184	ARFGEF2	9	1	-0.351318392	0.614775114
13185	CSE1L	10	1	3.659767476	-2.494820081
13186	STAU1	14	1	0.166670334	2.743614472
13187	DDX27	2	1	4.093405333	-0.833846294
13188	ZNFX1	4	1	-0.954269025	-1.219323956
13189	ZFAS1	3	1	1.848561373	5.411453046
13190	PTGIS	12	1	-2.439438018	-1.296501242
13191	B4GALT5	14	1	-0.635535869	2.814671077
13192	SLC9A8	4	1	-0.65725914	-1.013238155
13193	SPATA2	4	1	-0.681415233	-1.414609634
13194	RNF114	14	1	-0.907599422	3.026937045
13195	SNAI1	1	1	-2.5653514	2.374637998
13196	UBE2V1	14	1	-0.953886125	3.379357852
13197	EM189-UBE	17	1	-4.813568983	2.918966092
13198	TMEM189	1	1	-2.300061616	1.104193903
13199	AL161937.2	18	1	-3.127571735	1.554705657

13200	CEBPB	3	1	0.859545794	4.439603604
13201	SMIM25	19	2	-7.445918951	0.260663733
13202	PTPN1	8	1	0.909718421	1.378824152
13203	PARD6B	8	1	0.467158464	0.400525268
13204	BCAS4	8	1	1.200690713	1.200671948
13205	ADNP	11	1	1.811260071	0.744878895
13206	ADNP-AS1	6	1	-1.047115955	-3.292015515
13207	DPM1	2	1	3.691977826	-0.13087865
13208	MOCS3	5	1	0.018644024	-2.726414643
13209	KCNG1	3	1	1.446889129	2.597692527
13210	NFATC2	9	1	-0.569581303	-0.525865101
13211	ATP9A	12	1	-2.425181303	-1.293398343
13212	ZFP64	13	1	-1.91519061	0.456697702
13213	TSHZ2	15	1	-4.702283773	-0.426237308
13214	ZNF217	8	1	-0.011402126	0.575034044
13215	PFDN4	3	1	2.316956845	4.347551144
13216	DOK5	11	1	1.422564712	-0.052911662
13217	FAM210B	12	1	-3.129172477	-1.709542714
13218	AURKA	10	1	4.52192792	-3.303550683
13219	CSTF1	5	1	1.225105253	-2.421380244
13220	CASS4	8	1	0.692404833	0.692896612
13221	RTF2	16	1	3.914738026	2.899227895
13222	FAM209B	7	1	2.354971495	-2.347874604
13223	RAE1	7	1	3.910037604	-1.210882031
13224	RBM38	5	1	0.832329598	-1.974965058
13225	ZBP1	17	1	-4.838381681	3.194227494
13226	PMEPA1	13	1	-3.353475246	-0.5085366
13227	NKILA	12	1	-1.692850742	-2.148597919
13228	RAB22A	11	1	2.169930544	-0.057260327
13229	VAPB	11	1	1.927904573	0.426496409
13230	APCDD1L	18	1	-3.066670093	1.830288328
13231	LINC01711	18	1	-3.19541398	1.724577702
13232	STX16	8	1	0.561351505	1.637997307
13233	NPEPL1	13	1	-3.060762081	-0.20923277
13234	GNAS-AS1	9	1	-0.144403967	-0.480910085
13235	GNAS	3	1	1.972833124	5.394871034
13236	NELFCD	7	1	3.556084004	-0.915235959
13237	CTSZ	3	1	1.088259426	4.876738824
13238	ATP5F1E	3	1	2.218777028	5.19447688
13239	PRELID3B	11	1	1.92283937	0.750760294
13240	FAM217B	6	1	-0.492014083	-2.898024522
13241	PPP1R3D	4	1	-0.877694699	-0.785952412
13242	CDH4	4	1	-0.16513029	-0.737255298

13243	TAF4	5	1	0.937220243	-1.494519316
13244	LSM14B	11	1	0.793860999	-1.345319711
13245	PSMA7	16	1	3.675357428	4.076855697
13246	SS18L1	9	1	-0.734145495	-0.076872133
13247	MTG2	5	1	0.905841198	-3.046257936
13248	OSBPL2	14	1	-0.877359066	2.510625399
13249	ADRM1	16	1	4.044297305	2.974601306
13250	LAMA5	8	1	0.194594917	0.406066878
13251	AL121832.2	20	1	-1.126792345	-4.135855399
13252	RPS21	3	1	2.369156685	5.596772469
13253	CABLES2	10	1	2.0868431	-3.501553737
13254	SLCO4A1	10	1	2.441006985	-3.69802209
13255	NTSR1	5	1	1.545484033	-2.138873063
13256	MRGBP	7	1	3.583816376	-0.951545201
13257	OGFR-AS1	13	1	-2.695601615	0.778303124
13258	OGFR	1	1	-0.553657624	2.059896745
13259	COL9A3	15	1	-4.559347543	-1.328523122
13260	TCFL5	13	1	-2.452663812	0.211891629
13261	DIDO1	7	1	2.249238577	-0.730936729
13262	GID8	14	1	-1.438309583	2.985952176
13263	SLC17A9	9	1	-0.048490259	-0.006750517
13264	YTHDF1	4	1	-0.317004624	-1.359371625
13265	AL096828.3	6	1	-1.353256497	-1.920199357
13266	ARFGAP1	14	1	-0.340570691	2.412464179
13267	EEF1A2	12	1	-2.756659183	-1.34968289
13268	PPDPF	3	1	2.66853365	5.133224763
13269	HELZ2	9	1	-0.46128628	-0.092338823
13270	GMEB2	4	1	0.209226203	-1.431962334
13271	MHENCRC	4	1	-0.178871083	-0.933988653
13272	STMN3	8	1	0.978593913	0.428010043
13273	ARFRP1	2	1	4.184775439	-0.188580834
13274	ZGPAT	4	1	0.38771024	-1.250427686
13275	SLC2A4RG	2	1	4.50404748	0.261037841
13276	ZBTB46	9	1	-0.340085122	1.14363984
13277	AL121845.1	5	1	0.857157555	-2.443855487
13278	AL118506.1	5	1	-0.396497789	-2.509897195
13279	TPD52L2	11	1	2.06631383	0.085198439
13280	DNAJC5	4	1	-1.24495748	-1.112644039
13281	UCKL1	5	1	0.910746422	-2.920026027
13282	UCKL1-AS1	1	1	-0.578373703	1.175344087
13283	ZNF512B	6	1	-0.537030491	-2.985179626
13284	SAMD10	5	1	-0.065645795	-2.578476392
13285	PRPF6	7	1	3.927299586	-1.050362669

13286	TCEA2	13	1	-3.606718931	0.10817144
13287	RGS19	6	1	-0.853925678	-2.959321223
13288	OPRL1	1	1	-2.433307561	1.21177528
13289	LKAAEAR1	10	1	2.084544268	-3.696980678
13290	PCMTD2	9	1	-1.536685023	0.336374983
13291	AC016588.2	9	1	-0.773619685	-0.053330444
13292	PLPP2	18	1	-3.526278886	1.634904422
13293	MIER2	4	1	-0.742828462	-0.621472799
13294	C2CD4C	10	1	2.541219798	-4.010621272
13295	MADCAM1	13	1	-1.930668387	-0.17685809
13296	TPGS1	2	1	4.216674891	0.991119362
13297	CDC34	8	1	0.008348061	1.962443985
13298	AC009005.1	6	1	-2.1520547	-3.540758811
13299	BSG	3	1	1.423205581	4.985311307
13300	HCN2	12	1	-3.254183444	-1.717112266
13301	POLRMT	5	1	0.922069755	-1.411386572
13302	FGF22	5	1	0.825734404	-2.470070802
13303	RNF126	2	1	3.97602829	-0.724725209
13304	AC004156.1	13	1	-3.451211605	-0.34467312
13305	FSTL3	3	1	1.211974588	4.148160256
13306	PALM	15	1	-4.057030115	-1.539693676
13307	PTBP1	7	1	2.716805783	-0.94903668
13308	AZU1	19	2	-7.140157613	0.365489271
13309	PRTN3	17	1	-4.231283578	3.059617795
13310	ELANE	15	1	-4.293500337	0.219752364
13311	CFD	19	2	-6.698699865	0.057746775
13312	MED16	2	1	3.768122998	-0.464612685
13313	R3HDM4	13	1	-1.989880475	-0.38428136
13314	KISS1R	1	1	-2.437803897	3.040953435
13315	ARID3A	8	1	-0.438674215	1.689489402
13316	WDR18	2	1	4.642859068	0.564719029
13317	GRIN3B	19	2	-6.4844493	0.074115403
13318	TMEM259	8	1	-0.28473306	1.791675128
13319	CNN2	3	1	1.489266363	4.344357528
13320	ABCA7	1	1	-1.935442361	2.579081334
13321	POLR2E	16	1	4.067519274	2.972308434
13322	GPX4	3	1	2.6270996	5.39183072
13323	SBNO2	1	1	-1.094227824	1.521543897
13324	STK11	8	1	0.114450213	0.557780392
13325	CBARP	4	1	-1.228991303	-1.086435281
13326	ATP5F1D	3	1	3.284983006	4.717988767
13327	MIDN	8	1	0.543566254	1.817315735
13328	CIRBP	16	1	3.592413512	4.086009778

13329	CIRBP-AS1	12	1	-2.336997661	-2.525377475
13330	C19orf24	2	1	4.459068862	0.723055072
13331	MUM1	8	1	0.511558768	2.269179858
13332	NDUFS7	16	1	3.506286946	4.251550235
13333	GAMT	2	1	4.421592322	0.927669562
13334	DAZAP1	7	1	3.09297165	-1.122436367
13335	RPS15	3	1	2.417049017	5.436524667
13336	APC2	13	1	-3.168651494	-1.025114499
13337	AC027307.2	1	1	-2.200376663	1.390532292
13338	C19orf25	2	1	4.127936926	-0.101847969
13339	PCSK4	18	1	-2.721650037	1.717395939
13340	REEP6	12	1	-2.872216615	-1.193841778
13341	ADAMTSL5	13	1	-2.212267551	-0.574168287
13342	MEX3D	7	1	2.024745431	-1.781502925
13343	MBD3	7	1	2.808898058	-1.864622317
13344	UQCR11	3	1	2.189205733	5.170352734
13345	TCF3	7	1	2.737748471	-0.868979894
13346	ATP8B3	10	1	4.259868708	-3.079470359
13347	REXO1	5	1	1.661793676	-1.778233491
13348	AC012615.2	1	1	-1.195542726	1.997489728
13349	KLF16	9	1	0.327522781	-0.266856395
13350	AC012615.1	20	1	-1.353825483	-4.170029365
13351	ABHD17A	13	1	-3.496340904	-0.44765719
13352	SCAMP4	6	1	-0.540868732	-2.462038242
13353	ADAT3	6	1	-1.093533549	-3.586863242
13354	CSNK1G2	7	1	2.205581036	-0.553397678
13355	SNK1G2-A	1	1	-0.936628494	1.951666511
13356	BTBD2	14	1	-0.834793422	2.829112567
13357	MKNK2	3	1	1.200613466	2.3297166
13358	MOB3A	4	1	-0.808185014	-1.376939856
13359	IZUMO4	12	1	-3.255169305	-1.523123466
13360	AP3D1	7	1	1.957262126	-0.572217308
13361	DOT1L	5	1	0.881134418	-1.758312427
13362	PLEKHJ1	2	1	4.686338034	0.729768194
13363	SF3A2	7	1	4.135069457	-1.430995427
13364	OAZ1	3	1	2.549755421	5.042286195
13365	LSM7	16	1	3.574360219	4.273604668
13366	SPPL2B	1	1	-1.43370274	0.589552082
13367	TMPRSS9	15	1	-4.134959135	-1.34516307
13368	TIMM13	16	1	3.908698884	3.792766131
13369	LMNB2	10	1	3.731434908	-2.646589481
13370	GADD45B	3	1	1.446372834	2.668624438
13371	GNG7	1	1	-1.72513071	1.797572411

13372	DIRAS1	9	1	-0.534916911	0.368869149
13373	SLC39A3	2	1	4.374883261	0.253503643
13374	SGTA	7	1	3.29565343	-1.232462727
13375	THOP1	7	1	2.49309167	-2.484926664
13376	ZNF554	9	1	-1.779056224	-0.030613624
13377	ZNF555	1	1	-1.756924662	2.290816225
13378	ZNF77	5	1	0.675041106	-1.81255766
13379	AES	3	1	2.78282794	4.553663052
13380	GNA11	7	1	2.021712151	-1.099213086
13381	NCLN	2	1	4.432923403	-0.004706852
13382	NFIC	16	1	2.621826497	3.423227347
13383	DOHH	7	1	2.205543128	-2.558157645
13384	FZR1	10	1	4.071786967	-3.170020305
13385	MFSD12	2	1	3.965660658	0.269223153
13386	HMG20B	10	1	4.25505456	-2.609765731
13387	TBXA2R	6	1	-1.211562666	-1.997506105
13388	CACTIN	5	1	0.816111055	-1.641397916
13389	PIP5K1C	4	1	-1.143210563	-1.243713103
13390	APBA3	1	1	-1.996717128	1.366823889
13391	MRPL54	2	1	4.678079691	1.041853763
13392	DAPK3	11	1	2.147640315	0.251402505
13393	EEF2	3	1	1.53558394	5.100552358
13394	PIAS4	4	1	0.143743721	-1.92246934
13395	ZBTB7A	8	1	1.384193745	0.818274237
13396	MAP2K2	3	1	3.281824437	4.745425023
13397	SIRT6	5	1	0.054357975	-2.771328889
13398	EBI3	12	1	-2.940033111	-1.242035352
13399	YJU2	5	1	1.995460358	-2.736549102
13400	FSD1	5	1	2.051820126	-2.709723674
13401	STAP2	6	1	-1.161991033	-2.130184852
13402	MPND	6	1	-0.998268041	-3.049292051
13403	AC007292.3	17	1	-4.589075479	3.219814099
13404	SH3GL1	7	1	2.561779824	-1.113965951
13405	CHAF1A	10	1	2.502881375	-4.075226508
13406	UBXN6	13	1	-3.161147508	-0.478353821
13407	HDGFL2	2	1	3.80138239	-0.564022862
13408	PLIN5	17	1	-4.238138113	3.119309462
13409	TNFAIP8L1	10	1	4.131706324	-3.173915826
13410	MYDGF	3	1	1.98180851	4.986645497
13411	AC005339.1	6	1	-0.839814159	-3.555743419
13412	DPP9	7	1	1.874122825	-0.703655206
13413	FEM1A	5	1	0.471149412	-2.398011171
13414	AC005523.2	5	1	0.560035971	-2.453372441

13415	TICAM1	4	1	-1.251431975	-1.595902048
13416	PLIN3	16	1	3.813770857	3.618181743
13417	UHRF1	10	1	2.630726424	-3.94004079
13418	KDM4B	9	1	-1.185122046	0.525093861
13419	PTPRS	6	1	-1.367616806	-3.092042409
13420	AC005790.1	6	1	-1.054384503	-3.415104591
13421	TINCR	17	1	-4.208544645	3.085295714
13422	SAFB2	7	1	2.434085217	-1.235312425
13423	SAFB	11	1	2.603344288	-0.181934141
13424	RPL36	3	1	2.0564042	5.272075929
13425	C19orf70	16	1	3.704681006	4.217135466
13426	HSD11B1L	13	1	-3.350356254	-0.137187325
13427	LONP1	3	1	1.44438931	2.606529511
13428	PRR22	5	1	1.738619772	-3.433881007
13429	DUS3L	5	1	2.099383917	-2.88423153
13430	NDUFA11	3	1	3.28127965	4.773067273
13431	VMAC	13	1	-2.723826322	-0.83260902
13432	AC104532.2	1	1	-2.026418361	2.365631737
13433	CAPS	13	1	-2.92754713	-0.29515215
13434	RANBP3	7	1	2.698603716	-1.423629247
13435	RFX2	4	1	0.373169538	-1.136321984
13436	MLLT1	12	1	-2.508849534	-1.888732635
13437	AC011471.2	1	1	-1.016991171	1.908265151
13438	CLPP	16	1	3.52253851	4.230805672
13439	ALKBH7	3	1	2.433103171	5.169182099
13440	PSPN	13	1	-2.281897697	0.301881291
13441	GTF2F1	14	1	-0.701701853	3.217816628
13442	KHSRP	7	1	2.739032593	-0.913190924
13443	SLC25A23	13	1	-2.610659036	-0.941958033
13444	TNFSF9	9	1	0.17742182	0.282767854
13445	TNFSF14	19	2	-7.103964719	0.408067245
13446	C3	1	1	-2.653055582	1.029564656
13447	GPR108	13	1	-3.642381343	-0.477568947
13448	TRIP10	14	1	-0.903400752	3.018020429
13449	ZNF557	4	1	-0.998201999	-1.443067633
13450	INSR	1	1	-2.325076971	1.300779022
13451	AC119396.2	1	1	-2.052752885	2.881620683
13452	PEX11G	12	1	-3.233492527	-1.192056261
13453	ZNF358	13	1	-3.722145233	-0.388870262
13454	MCOLN1	6	1	-0.770189676	-3.186119519
13455	PNPLA6	1	1	-0.503046247	1.55429057
13456	XAB2	1	1	-1.128162178	1.66965238
13457	PET100	3	1	1.034936097	4.730229653

13458	STXBP2	1	1	-2.028913412	0.944082595
13459	TRAPPC5	1	1	-2.500594768	1.524485029
13460	EVI5L	4	1	-1.456350002	-1.646473848
13461	PRR36	12	1	-2.769933137	-1.611969672
13462	LRRC8E	4	1	-0.843081805	-1.58432933
13463	MAP2K7	4	1	0.310072687	-0.795834147
13464	TGFBR3L	1	1	-2.509801778	1.602554001
13465	SNAPC2	2	1	4.22159442	0.472744085
13466	CTXN1	6	1	-1.810896191	-2.924571716
13467	TIMM44	3	1	1.697072592	2.899356402
13468	ELAVL1	7	1	3.793617096	-1.283185564
13469	CERS4	12	1	-3.069656047	-1.652462684
13470	CD320	16	1	3.904248086	3.449107446
13471	NDUFA7	1	1	-2.21226159	1.276520468
13472	RPS28	3	1	1.859940973	5.291071214
13473	ANGPTL4	13	1	-3.38111988	0.003872849
13474	RAB11B-AS	15	1	-3.703344736	-0.828642927
13475	RAB11B	14	1	-0.828237626	2.680942572
13476	2-Mar	12	1	-2.780358705	-1.329346381
13477	HNRNPM	16	1	3.429972973	2.842325486
13478	ZNF414	6	1	-0.995006356	-3.217462741
13479	MYO1F	1	1	-2.472174081	1.272457756
13480	ADAMTS10	12	1	-2.817822847	-1.167296849
13481	ZNF558	9	1	-1.272533092	-0.303056501
13482	ZNF317	9	1	-0.881381306	-0.042404376
13483	ZNF699	4	1	-0.862354729	-0.777721964
13484	ZNF559	9	1	-1.821039113	-0.100111954
13485	ZNF266	4	1	-0.8235769	-0.652577721
13486	ZNF426	4	1	-1.636193666	-0.435681842
13487	ZNF426-DT	13	1	-2.97052494	-0.693202816
13488	ZNF121	9	1	0.188494664	-0.549752735
13489	ZNF561	12	1	-2.499405059	-0.967899524
13490	ZNF562	4	1	0.238518295	-1.655621015
13491	ZNF846	13	1	-3.338739786	-0.079965554
13492	FBXL12	13	1	-2.317868385	-0.076630466
13493	UBL5	3	1	2.670456973	5.104146279
13494	AC008752.2	14	1	-0.714449915	2.938997067
13495	PIN1	2	1	4.726849165	1.236744739
13496	OLFM2	15	1	-3.461239728	-0.923204623
13497	COL5A3	13	1	-1.96677247	0.054090954
13498	C19orf66	1	1	-2.336429271	1.489799656
13499	PPAN	7	1	3.764341918	-1.314443313
13500	P2RY11	4	1	-0.748269174	-0.866192781

13501	EIF3G	16	1	3.487871256	4.497941769
13502	DNMT1	10	1	3.644108382	-2.228763782
13503	S1PR2	1	1	-1.444757494	1.04174868
13504	MRPL4	2	1	4.730940428	0.310243934
13505	ICAM1	8	1	0.395380762	1.207885481
13506	ICAM4	1	1	-2.324838075	2.334903993
13507	ICAM5	1	1	-1.46746591	2.709285058
13508	FDX2	5	1	0.001147938	-2.620282851
13509	RAVER1	11	1	0.437329081	-0.665757738
13510	AC114271.1	6	1	-1.320405278	-2.253513299
13511	ICAM3	13	1	-2.809996042	0.376322985
13512	TYK2	9	1	-0.853000257	0.096291013
13513	CDC37	16	1	3.48278245	3.399697818
13514	PDE4A	9	1	-1.366059813	0.478288874
13515	KEAP1	2	1	3.570010033	-0.526294135
13516	S1PR5	12	1	-2.393182668	-1.142227374
13517	ATG4D	11	1	0.644020048	-1.380720698
13518	KRI1	5	1	1.597684708	-2.11627885
13519	CDKN2D	10	1	4.072767821	-3.21451255
13520	AP1M2	6	1	-1.800860319	-3.039049588
13521	SLC44A2	14	1	-0.10334045	3.170730151
13522	ILF3-DT	20	1	-0.955766055	-4.482481204
13523	ILF3	16	1	3.114025202	2.863652505
13524	QTRT1	5	1	1.2905229	-3.124761544
13525	DNM2	7	1	1.994952765	-0.702227675
13526	TMED1	2	1	3.715288249	1.423089064
13527	CARM1	7	1	3.10895237	-0.989997231
13528	YIPF2	14	1	-0.894819591	3.659077443
13529	TIMM29	7	1	3.258502093	-0.794155084
13530	SMARCA4	7	1	3.455615845	-1.285433851
13531	LDLR	14	1	-0.063595	3.343189277
13532	SPC24	10	1	3.686264601	-3.328673803
13533	KANK2	14	1	0.131593023	2.303234376
13534	DOCK6	13	1	-1.978762302	0.309989989
13535	AC011472.1	13	1	-2.585748586	-0.158046566
13536	RAB3D	1	1	-1.767414484	1.606805838
13537	TMEM205	14	1	-0.957385454	3.693526067
13538	CCDC159	13	1	-3.19415656	-0.273856305
13539	PLPPR2	1	1	-2.55772582	1.190601267
13540	SWSAP1	6	1	-0.866836044	-3.273928367
13541	EPOR	10	1	4.055135336	-3.001280986
13542	CCDC151	1	1	-2.269754085	3.019018926
13543	PRKCSH	3	1	0.68277916	4.471358575

13544	ELAVL3	17	1	-4.861836347	3.199513234
13545	ZNF653	4	1	-0.151432517	-2.200424873
13546	ECSIT	2	1	3.283711281	0.27611658
13547	CNN1	1	1	-0.426846477	1.97969488
13548	ELOF1	2	1	4.368955699	0.774517216
13549	ZNF627	1	1	-1.460222992	0.895781912
13550	ACP5	19	2	-7.37939063	0.251720927
13551	AC008543.1	10	1	2.501798001	-3.746051036
13552	ZNF823	11	1	0.444405135	-0.840424739
13553	ZNF441	1	1	-1.605605278	0.584036372
13554	ZNF440	9	1	-0.91276792	-0.41342666
13555	ZNF439	12	1	-2.471589241	-1.065078102
13556	ZNF69	4	1	-2.131149444	-1.342486106
13557	ZNF700	9	1	-0.44818649	0.014618821
13558	ZNF433	13	1	-2.952732238	0.09988255
13559	ZNF844	13	1	-2.917632732	0.242078744
13560	ZNF788P	5	1	0.94136211	-2.06598302
13561	ZNF625	4	1	-0.83667818	-1.534760438
13562	ZNF136	13	1	-2.123578939	-0.373651289
13563	ZNF44	13	1	-2.633375082	0.044313229
13564	ZNF563	13	1	-3.193351421	0.012714036
13565	ZNF442	4	1	-1.842473182	-1.224347078
13566	ZNF799	5	1	1.275834528	-2.245360337
13567	ZNF443	5	1	2.140432206	-3.084465705
13568	ZNF709	13	1	-2.369132194	-0.482872509
13569	ZNF564	1	1	-1.54883996	0.587113403
13570	ZNF791	1	1	-0.688759717	2.221775569
13571	MAN2B1	4	1	-1.520182285	-0.649068199
13572	WDR83	6	1	-1.007298145	-2.482691489
13573	WDR83OS	3	1	2.7827557	5.052316464
13574	DHPS	2	1	4.422479239	-0.292476617
13575	AC010422.2	4	1	0.097739097	-0.914835654
13576	FBXW9	6	1	-0.422673676	-3.208596193
13577	TNPO2	4	1	0.202272025	-1.093857728
13578	TRIR	16	1	3.468711701	4.390952863
13579	ASNA1	2	1	4.664383975	0.45794145
13580	HOOK2	13	1	-2.228578481	0.386753874
13581	JUNB	17	1	-3.486756715	2.338007845
13582	PRDX2	16	1	3.539550868	4.315603055
13583	RNASEH2A	10	1	3.005083647	-3.52689787
13584	DNASE2	14	1	-1.327533874	3.53006009
13585	GCDH	5	1	1.391276446	-3.048911296
13586	SYCE2	10	1	3.932532635	-3.614778243

13587	FARSA	2	1	4.473965254	-0.435932957
13588	CALR	3	1	1.911557165	4.616429128
13589	AC092069.1	13	1	-2.987258825	-0.167136751
13590	RAD23A	3	1	2.066480723	3.743540562
13591	ADD45GII	16	1	3.521683302	4.171725072
13592	NFIX	8	1	-0.078332651	1.917908467
13593	LYL1	6	1	-1.117345843	-3.03795477
13594	TRMT1	5	1	1.417889324	-3.058332883
13595	NACC1	7	1	1.992995825	-1.112849437
13596	STX10	2	1	4.251450625	0.883933104
13597	IER2	16	1	3.463939753	3.923506059
13598	AC011446.2	6	1	-2.62689558	-3.494060718
13599	CACNA1A	4	1	-1.139085683	-0.712539517
13600	CCDC130	4	1	0.134128836	-1.441809021
13601	MRI1	9	1	-0.806157801	0.915959038
13602	C19orf53	3	1	3.210871544	4.785456933
13603	ZSWIM4	1	1	-1.388808879	0.739819325
13604	AC020916.1	1	1	-1.192122373	0.791904367
13605	NANOS3	12	1	-2.596483621	-1.542471014
13606	C19orf57	10	1	2.39087781	-4.032463752
13607	CC2D1A	4	1	-0.654980096	-0.556129001
13608	PODNL1	18	1	-3.593517217	1.137967683
13609	DCAF15	10	1	3.497051325	-3.612926685
13610	RFX1	18	1	-2.911335859	1.875192441
13611	IL27RA	8	1	0.122088608	0.500013366
13612	PALM3	6	1	-0.504236314	-3.205305778
13613	MISP3	12	1	-2.739187393	-1.80772277
13614	SAMD1	10	1	2.475219574	-4.09555503
13615	PRKACA	7	1	2.505564538	-1.125357233
13616	ASF1B	10	1	3.168625918	-3.893916808
13617	AC022098.1	4	1	-0.942160997	-1.396652661
13618	ADGRL1	12	1	-2.887849721	-1.128294789
13619	ADGRE5	8	1	0.645744231	0.108029462
13620	DDX39A	10	1	4.135342684	-2.184389793
13621	PKN1	8	1	0.456746307	1.446244515
13622	PTGER1	6	1	-1.483751807	-3.362255536
13623	GIPC1	2	1	4.122335997	0.060188688
13624	DNAJB1	7	1	1.605686393	-0.670252048
13625	TECR	16	1	4.068725672	2.9414225
13626	NDUFB7	16	1	3.68180975	4.228600539
13627	ZNF333	9	1	-0.872449908	0.040617056
13628	OR7A17	9	1	-0.634766254	-0.406698309
13629	SYDE1	11	1	1.97787222	-0.203383886

13630	ILVBL	7	1	2.896211472	-1.550071083
13631	NOTCH3	1	1	-2.1643087	1.06394539
13632	AC004257.1	6	1	-0.759001765	-3.195855104
13633	BRD4	3	1	2.009665814	2.962389506
13634	AKAP8	7	1	2.18171629	-2.097890578
13635	AKAP8L	11	1	2.798971262	0.384410891
13636	WIZ	5	1	1.434758869	-1.517501436
13637	TPM4	3	1	1.966906395	4.370458402
13638	RAB8A	7	1	3.955735055	-0.942897521
13639	FAM32A	2	1	4.374157515	0.222126089
13640	AC020911.1	1	1	-1.469138655	2.393237866
13641	AP1M1	7	1	2.33280572	-0.906773053
13642	KLF2	11	1	1.213556614	-0.8430117
13643	EPS15L1	5	1	0.853821602	-1.870050632
13644	C19orf44	4	1	-0.483284268	-0.747289144
13645	CHERP	5	1	1.045783606	-1.647732221
13646	SLC35E1	14	1	-0.618192825	2.856221951
13647	AC008764.8	9	1	-1.11889461	0.371571626
13648	MED26	4	1	-0.196984056	-0.69257053
13649	AC024075.3	1	1	-1.803547654	1.04458902
13650	SMIM7	2	1	4.463559237	0.167593725
13651	TMEM38A	4	1	-1.449472222	-1.34346398
13652	SIN3B	5	1	0.119951491	-2.210393869
13653	F2RL3	17	1	-4.801596078	2.852747239
13654	CPAMD8	13	1	-2.431517753	0.080268957
13655	HAUS8	10	1	3.21746358	-3.888620578
13656	MYO9B	14	1	-0.008314888	2.546084679
13657	AC020913.1	1	1	-1.444573793	2.09776286
13658	USE1	2	1	3.826646653	1.187881566
13659	OCEL1	14	1	-1.432006869	3.218879737
13660	NR2F6	2	1	4.36345872	0.3398505
13661	BABAM1	2	1	4.420428362	-0.01578819
13662	ANKLE1	10	1	2.436180916	-4.002521716
13663	ABHD8	12	1	-2.78746334	-1.316501104
13664	MRPL34	2	1	4.358717528	0.306588717
13665	DDA1	2	1	4.200804797	0.309231356
13666	ANO8	4	1	-0.581617567	-1.587247573
13667	GTPBP3	7	1	2.100977746	-2.503312312
13668	BST2	1	1	-1.931939873	1.749981202
13669	BISPR	8	1	0.239175242	1.104247726
13670	MVB12A	2	1	4.014357415	1.075925208
13671	AC010319.4	9	1	-0.466693375	1.014427282
13672	SLC27A1	1	1	-1.87310985	1.740155972

13673	AC010618.3	18	1	-2.729377422	1.787397302
13674	PGLS	3	1	2.777868596	4.98223523
13675	COLGALT1	14	1	0.312581834	2.477826394
13676	MAP1S	7	1	1.84436616	-0.652519308
13677	FCHO1	1	1	-2.03147808	0.993937351
13678	JAK3	1	1	-1.683529648	1.624816216
13679	RPL18A	3	1	2.369928923	5.571532525
13680	CCDC124	16	1	4.041983691	3.033998765
13681	ARRDC2	9	1	0.063904964	0.041219957
13682	MAST3	13	1	-2.385074768	-0.591955863
13683	PIK3R2	4	1	-0.751754972	-1.088221751
13684	IFI30	19	2	-7.342590723	0.278181024
13685	MPV17L2	5	1	1.053799596	-2.909887038
13686	RAB3A	1	1	-2.299322042	2.759643115
13687	AC005759.1	18	1	-3.58120862	1.801425852
13688	IQCN	17	1	-4.732678327	2.861445464
13689	JUND	3	1	2.497997132	5.503755845
13690	LSM4	16	1	3.598330107	3.068285741
13691	PGPEP1	9	1	-1.531907234	-0.264219426
13692	GDF15	3	1	1.15687522	2.440104522
13693	SSBP4	2	1	4.31512889	1.106030918
13694	ISYNA1	13	1	-3.571988496	-0.742262446
13695	ELL	4	1	-0.131002906	-0.662153565
13696	FKBP8	3	1	2.306092349	5.04738263
13697	KXD1	2	1	4.254023161	0.388123806
13698	AC005253.1	1	1	-1.23473123	2.1352394
13699	UBA52	3	1	2.268187132	5.57682208
13700	CRLF1	12	1	-2.956422719	-2.445395194
13701	REX1BD	2	1	4.686662283	1.106751837
13702	TMEM59L	13	1	-2.660838756	0.260880671
13703	KLHL26	9	1	-0.388844434	-0.583370589
13704	CRTC1	13	1	-2.414436731	-0.755197488
13705	COMP	15	1	-4.735627565	-0.913016282
13706	UPF1	8	1	1.300514188	1.069233812
13707	CERS1	11	1	1.220658985	-0.857639276
13708	COPE	3	1	2.384796944	4.970117844
13709	DDX49	2	1	4.30916461	0.744049467
13710	HOMER3	2	1	4.776212779	1.130412139
13711	HOMER3-AS1	5	1	0.879313078	-2.530639373
13712	SUGP2	11	1	1.348111597	-0.235134684
13713	ARMC6	7	1	2.150259343	-2.446781598
13714	SLC25A42	15	1	-3.56874195	-1.239335977
13715	TMEM161A	2	1	3.894773808	1.019523479

13716	BORCS8	2	1	4.381308165	0.413187254
13717	RFXANK	2	1	4.240918723	0.871635772
13718	NR2C2AP	10	1	2.681488362	-3.792446338
13719	TM6SF2	13	1	-3.300259504	0.415382571
13720	SUGP1	5	1	0.192715612	-2.804403268
13721	MAU2	9	1	-1.246552381	0.036530621
13722	GATAD2A	7	1	1.959321466	-0.355922424
13723	NDUFA13	14	1	-1.14739767	3.609226264
13724	YJEFN3	4	1	-1.666417155	-0.680786692
13725	LPAR2	1	1	-1.853596482	1.403625048
13726	GMIP	4	1	-1.122918639	-1.33192762
13727	ATP13A1	6	1	-0.615715298	-2.741689645
13728	ZNF101	5	1	0.68916097	-2.556579314
13729	ZNF14	1	1	-1.799402747	0.888383128
13730	LINC00663	1	1	-2.106356058	2.063111819
13731	ZNF506	1	1	-1.40197638	0.510709174
13732	ZNF253	4	1	-1.04163805	-0.674159967
13733	ZNF93	10	1	3.406096545	-3.740427219
13734	ZNF682	6	1	0.143314455	-3.043911182
13735	ZNF90	10	1	2.275364008	-3.514431201
13736	AC011447.3	10	1	2.56765255	-3.962402545
13737	ZNF486	10	1	2.44797143	-3.160940372
13738	ZNF737	9	1	-1.512114915	0.34027813
13739	ZNF626	13	1	-2.782174978	0.068577744
13740	ZNF66	10	1	2.573789206	-3.614007198
13741	ZNF85	10	1	2.297282782	-3.626400672
13742	ZNF430	11	1	0.479510066	-0.73186072
13743	ZNF714	10	1	3.438103047	-3.491627895
13744	ZNF431	11	1	0.452497092	-0.633063995
13745	ZNF708	4	1	-0.494866285	-1.953345739
13746	ZNF738	10	1	2.207578745	-3.428603612
13747	ZNF493	1	1	-1.584853682	1.067066528
13748	ZNF429	15	1	-3.825092229	-1.737634383
13749	ZNF100	10	1	2.636480656	-3.665815555
13750	ZNF43	5	1	1.913489428	-3.006618463
13751	ZNF257	10	1	2.809436169	-3.539741241
13752	ZNF676	15	1	-3.524827394	-2.173424207
13753	ZNF492	10	1	2.626112547	-3.932597839
13754	AC074135.1	10	1	2.122374621	-4.072944842
13755	ZNF730	10	1	2.756862727	-3.948826514
13756	ZNF724	10	1	2.873616543	-3.889674865
13757	ZNF91	1	1	-1.689584884	0.751675792
13758	ZNF675	10	1	2.159253922	-3.314728938

13759	ZNF681	10	1	2.142280903	-3.460011445
13760	ZNF726	10	1	2.679773894	-3.791440211
13761	ZNF254	4	1	0.108988252	-1.487353169
13762	AC092279.1	4	1	-0.511167857	-1.342483007
13763	LINC00662	3	1	1.167768326	2.448138512
13764	AC006504.1	9	1	-0.541147205	-0.069890045
13765	AC006504.5	4	1	-0.114815179	-1.335953675
13766	UQCRFS1	16	1	3.656120625	3.504972257
13767	POP4	2	1	4.421995249	-0.596123539
13768	PLEKHF1	3	1	1.199077573	2.31960956
13769	C19orf12	6	1	-0.639269444	-2.93163725
13770	CCNE1	10	1	2.443936434	-4.068795406
13771	URI1	3	1	2.009499755	2.977016486
13772	TSHZ3	9	1	-1.477625164	0.091921814
13773	AC025809.1	15	1	-3.548015031	-1.812992297
13774	ZNF507	9	1	0.454546687	-0.265246056
13775	AC007773.1	13	1	-3.35495511	-0.543420278
13776	DPY19L3	13	1	-2.233080062	0.169118069
13777	PDCD5	16	1	3.65802106	4.101517714
13778	ANKRD27	9	1	-0.391794714	0.164324514
13779	AC008736.1	12	1	-2.696863803	-1.765351258
13780	NUDT19	4	1	-0.268458876	-0.810074292
13781	CEP89	7	1	3.140963879	-2.160908424
13782	FAAP24	10	1	3.403368798	-3.63312503
13783	RHPN2	8	1	0.601101783	0.027972556
13784	GPATCH1	5	1	1.216165867	-2.506183826
13785	LRP3	6	1	-0.77471343	-3.051382505
13786	CEBPG	3	1	1.522241083	2.709837712
13787	PEPD	2	1	4.255533305	0.866227485
13788	KCTD15	4	1	-1.598563942	-1.013017617
13789	LSM14A	8	1	1.366616455	1.40839795
13790	KIAA0355	14	1	-0.476323757	2.699566878
13791	GPI	14	1	-0.433909628	3.539947785
13792	PDCD2L	7	1	2.050221291	-2.027074062
13793	UBA2	7	1	3.126810875	-1.031866156
13794	WTIP	5	1	-0.250457975	-2.48068782
13795	SCGB1B2P	13	1	-3.465302381	-0.092574679
13796	ZNF302	15	1	-3.757978115	-1.859392129
13797	ZNF181	15	1	-3.783007774	-1.792325221
13798	ZNF599	6	1	-2.072638664	-3.217247926
13799	ZNF30	6	1	-0.932655069	-2.004892551
13800	GRAMD1A	14	1	-1.065707001	3.001613177
13801	SCN1B	6	1	-1.52491084	-2.174467765

13802	FXYD1	15	1	-4.055917177	-0.295656286
13803	FXYD5	3	1	2.220930186	4.859685696
13804	LSR	6	1	-1.508179936	-3.321541034
13805	USF2	1	1	-0.462467346	1.854577817
13806	DMKN	13	1	-3.131113204	0.423969373
13807	SBSN	1	1	-2.062091264	2.698024548
13808	MEM147-A5	1	1	-0.945078823	1.387385882
13809	TMEM147	16	1	3.825518694	3.989707984
13810	HAUS5	10	1	2.715611544	-3.779288493
13811	RBM42	2	1	4.583994952	-0.261828266
13812	ETV2	12	1	-3.194816503	-1.786680185
13813	COX6B1	3	1	2.767035094	5.071301259
13814	UPK1A-AS1	1	1	-2.107413921	3.143536128
13815	KMT2B	11	1	0.804575708	-0.820644461
13816	U2AF1L4	6	1	-0.86139724	-2.91959592
13817	PSENEN	2	1	4.260365572	0.697525091
13818	AC002398.2	1	1	-2.126124296	2.023415006
13819	HSPB6	3	1	1.685148802	5.02084855
13820	PROSER3	5	1	0.942836967	-2.225178443
13821	ARHGAP33	10	1	3.451401082	-3.651803695
13822	APLP1	12	1	-3.101999673	-1.944981538
13823	NFKBID	11	1	0.32793757	-0.610976778
13824	HCST	19	2	-6.531508359	0.107613511
13825	TYROBP	19	2	-7.505128297	0.303701006
13826	LRFN3	6	1	-1.687828574	-2.283110343
13827	SDHAF1	13	1	-3.035714302	-0.151339375
13828	ALKBH6	6	1	-1.210913095	-2.402827941
13829	AC002116.2	10	1	2.662571755	-3.431484662
13830	CLIP3	18	1	-2.877156887	1.488166846
13831	THAP8	13	1	-3.138653192	0.155273996
13832	WDR62	10	1	3.993352261	-3.574455463
13833	POLR2I	16	1	3.84693059	3.975605525
13834	TBCB	2	1	4.713162985	1.221680261
13835	CAPNS1	3	1	2.102772799	4.391135968
13836	COX7A1	18	1	-3.451568994	0.814958997
13837	ZNF565	1	1	-2.334515724	1.276238896
13838	ZNF146	11	1	1.597127286	0.129838608
13839	LINC00665	6	1	-1.814499292	-3.059262715
13840	ZFP14	13	1	-2.338887844	0.734803565
13841	ZFP82	4	1	-0.452464852	-1.214286052
13842	ZNF566	9	1	-1.6593366	-0.195809148
13843	ZNF260	4	1	-1.260527286	-0.692684971
13844	ZNF529	9	1	-1.499981436	-0.264134906

13845	ZNF529-AS	18	1	-2.899330291	1.323300816
13846	ZNF382	12	1	-2.313566122	-1.406616293
13847	ZNF461	9	1	-1.219114813	0.150408871
13848	LINC01534	12	1	-2.7507135	-1.434526764
13849	ZNF567	4	1	-1.084886107	-1.751083575
13850	ZNF850	5	1	0.474731174	-2.881084882
13851	AC020928.3	8	1	0.358061668	1.70575992
13852	AC020928.1	12	1	-2.776315603	-1.765035592
13853	ZNF790	13	1	-2.155872974	-0.444972061
13854	ZNF829	5	1	1.23867878	-2.65844103
13855	ZNF568	13	1	-2.362188968	0.029586471
13856	ZNF420	4	1	-1.842970762	-0.48098328
13857	ZNF585A	1	1	-2.155811223	1.33719895
13858	ZNF585B	13	1	-2.292324218	0.188415505
13859	ZNF383	1	1	-2.105821046	1.034316279
13860	LINC01535	4	1	-1.501073632	-0.776685082
13861	HKR1	9	1	-1.683068189	0.035214253
13862	ZNF569	5	1	0.482657072	-2.509510718
13863	ZNF570	9	1	-1.76791862	-0.011280947
13864	ZNF793-AS	12	1	-3.279585514	-1.548449002
13865	ZNF793	12	1	-3.126150999	-1.539700948
13866	ZNF571	13	1	-2.597875986	0.249914042
13867	ZFP30	9	1	-0.768102023	0.115618832
13868	ZNF781	12	1	-2.995400342	-2.260275327
13869	ZNF573	4	1	-1.01567069	-1.496190272
13870	SIPA1L3	9	1	0.355166313	-0.237042211
13871	DPF1	10	1	2.125512448	-3.707424842
13872	SPINT2	13	1	-1.887685093	-0.508151256
13873	PPP1R14A	8	1	-0.205721501	1.164091207
13874	YIF1B	14	1	-0.766692433	3.539548434
13875	KCNK6	1	1	-1.062958273	2.370367326
13876	PSMD8	16	1	3.456861582	4.26949767
13877	GGN	4	1	-2.053674612	-1.61114534
13878	SPRED3	4	1	-0.772749814	-0.921126805
13879	FAM98C	6	1	-1.003762278	-2.470176183
13880	EIF3K	3	1	3.308687535	4.678354062
13881	ACTN4	3	1	1.81500968	3.892929591
13882	CAPN12	1	1	-1.603800568	1.319035686
13883	AC022144.1	6	1	-0.989044818	-2.614453517
13884	ECH1	15	1	-3.814038906	-0.426471673
13885	HNRNPL	7	1	2.485086527	-0.73107227
13886	RINL	6	1	-1.726502928	-2.546383821
13887	SIRT2	2	1	3.7216638	0.479325078

13888	NFKBIB	7	1	2.125787344	-2.275290452
13889	CCER2	11	1	2.149506178	0.602052472
13890	SARS2	6	1	0.337191519	-3.384012662
13891	MRPS12	2	1	4.73849782	0.915023722
13892	FBXO17	2	1	4.137193289	-0.456819795
13893	FBXO27	13	1	-3.150649938	0.231554948
13894	PAK4	10	1	3.543839303	-2.799939834
13895	GMFG	19	2	-7.254439268	0.228503592
13896	SAMD4B	7	1	1.859739628	-0.448206149
13897	PAF1	7	1	2.775135603	-1.846968614
13898	MED29	2	1	4.007081595	0.754994072
13899	ZFP36	18	1	-3.716135177	0.689436026
13900	PLEKHG2	6	1	-0.789263758	-2.451269828
13901	RPS16	3	1	2.308253613	5.636066712
13902	SUPT5H	8	1	0.31884506	2.09931425
13903	TIMM50	2	1	4.423784819	-0.475009404
13904	DLL3	5	1	0.782716897	-2.51967784
13905	EID2B	20	1	-0.935247156	-4.227084838
13906	EID2	5	1	0.938293424	-3.304145299
13907	DYRK1B	12	1	-2.645286235	-1.252320491
13908	FBL	16	1	2.879792061	3.374413766
13909	PSMC4	2	1	4.745323267	-0.061934017
13910	ZNF546	9	1	-1.04856697	0.323799539
13911	ZNF780B	4	1	-0.888524386	-0.613043033
13912	ZNF780A	18	1	-3.529164466	1.270211614
13913	MAP3K10	9	1	-1.339567694	0.174759097
13914	CNTD2	17	1	-4.82608119	2.88742093
13915	AKT2	8	1	0.331628051	1.564998187
13916	C19orf47	5	1	0.576407161	-3.088431083
13917	PLD3	3	1	0.069553529	4.421181001
13918	SERTAD1	2	1	4.374750224	0.103580154
13919	SERTAD3	2	1	3.279145804	0.030633189
13920	BLVRB	16	1	3.502655831	4.405434407
13921	SPTBN4	9	1	-0.888021085	0.525725089
13922	SHKBP1	2	1	4.348668662	0.090620734
13923	LTBP4	1	1	-2.494754228	2.813038625
13924	NUMBL	9	1	-1.336833271	0.196125425
13925	COQ8B	6	1	-0.449007663	-2.832582675
13926	ITPKC	4	1	-1.190619025	-1.141494595
13927	C19orf54	1	1	-2.110486898	1.468155898
13928	SNRPA	3	1	2.401397553	3.763316668
13929	EGLN2	9	1	0.069499694	-0.022119485
13930	CYP2A7	15	1	-4.165787611	-0.165757261

13931	AXL	16	1	2.877153006	3.047692098
13932	HNRPUL	7	1	2.771111575	-0.991044007
13933	TGFB1	16	1	3.474658814	4.298606194
13934	CCDC97	5	1	-0.118218142	-2.653970205
13935	TMEM91	1	1	-2.346771631	2.962122239
13936	B9D2	20	1	-0.827532205	-4.293450557
13937	EXOSC5	7	1	3.013567057	-1.94366356
13938	B3GNT8	12	1	-2.459777984	-2.290762864
13939	DMAC2	7	1	3.808800545	-1.060303174
13940	RPS19	3	1	2.340113488	5.641816892
13941	CD79A	12	1	-2.486239824	-1.412885152
13942	ARHGEF1	11	1	1.637281504	-0.317360305
13943	RABAC1	3	1	2.064517108	5.116627492
13944	ZNF574	4	1	0.182764229	-2.034010135
13945	POU2F2	8	1	0.64861038	0.420018013
13946	AC010247.2	8	1	0.562334147	0.861280598
13947	DEDD2	13	1	-1.905034337	0.439893711
13948	ZNF526	1	1	-1.003694567	1.014704026
13949	GSK3A	7	1	3.306296435	-1.16981908
13950	ERF	11	1	0.798011866	-1.01590439
13951	CIC	5	1	0.027465778	-2.433900081
13952	PAFAH1B3	2	1	4.52097663	-0.31865754
13953	PRR19	5	1	0.80679622	-3.421682559
13954	MEGF8	9	1	-1.684553775	-0.004589342
13955	CNFN	13	1	-3.161220941	0.032630034
13956	LIPE-AS1	13	1	-3.015804681	0.281082518
13957	LIPE	10	1	3.796934929	-3.192262851
13958	PSG8-AS1	1	1	-0.71774492	2.177227534
13959	PSG5	8	1	0.599524465	0.965054847
13960	PHLDB3	18	1	-2.953928384	0.818860121
13961	ETHE1	2	1	3.812782136	1.371079661
13962	ZNF575	12	1	-3.332859191	-1.550818883
13963	XRCC1	10	1	3.247606841	-3.371171199
13964	IRGQ	4	1	-0.896646473	-1.647275172
13965	ZNF576	5	1	0.640800443	-3.45988556
13966	ZNF428	2	1	4.25033578	1.053250588
13967	CADM4	8	1	0.164205891	1.083983458
13968	PLAUR	3	1	1.218252149	3.794401921
13969	SMG9	9	1	0.299697933	-0.214193069
13970	ZNF283	9	1	-1.394471321	0.382695645
13971	ZNF404	1	1	-2.104938898	1.335493423
13972	AC006213.2	13	1	-3.257969532	0.007087745
13973	ZNF45	4	1	-1.08859292	-1.666141711

13974	ZNF221	1	1	-1.35062376	0.519181154
13975	ZNF155	4	1	-1.080077204	-0.905227028
13976	ZNF230	1	1	-2.253270778	1.950862922
13977	ZNF222	13	1	-2.339486989	0.484012402
13978	ZNF223	9	1	-1.246761236	0.226523764
13979	ZNF224	1	1	-1.61545721	1.238541104
13980	AC021092.1	12	1	-2.682570133	-2.588524543
13981	ZNF225	9	1	-1.492595944	-0.053475611
13982	ZNF234	9	1	-1.394841346	-0.125193618
13983	ZNF226	1	1	-2.715756568	1.415520109
13984	ZNF227	1	1	-2.227430019	1.146615483
13985	ZNF233	12	1	-2.604530248	-1.092365824
13986	ZNF112	9	1	-0.976855907	-0.536178313
13987	ZNF285	1	1	-1.474598321	0.800314791
13988	ZNF229	13	1	-2.015103015	0.169281281
13989	ZNF180	5	1	0.963998404	-2.706993066
13990	PVR	11	1	1.92115232	0.736580558
13991	CEACAM19	9	1	-1.685143384	-0.128640317
13992	CEACAM16	17	1	-4.822822008	3.269588269
13993	BCL3	17	1	-2.855769309	2.516020812
13994	CBLC	18	1	-3.188318643	2.153869785
13995	BCAM	18	1	-3.569591197	1.380284346
13996	NECTIN2	16	1	3.532183018	3.564691581
13997	TOMM40	2	1	4.326218215	-0.829526507
13998	APOE	19	2	-6.371724996	0.328245561
13999	APOC1	18	1	-3.344617519	1.644034661
14000	CLPTM1	2	1	4.181854334	0.15593297
14001	RELB	14	1	-0.958400282	2.641385831
14002	CLASRP	7	1	2.903227892	-2.847630225
14003	ZNF296	5	1	1.730511275	-2.750910245
14004	GEMIN7	2	1	4.249317256	0.16086138
14005	MARK4	1	1	-1.836468372	1.031736351
14006	PPP1R37	5	1	0.731661943	-1.721087419
14007	TRAPPC6A	13	1	-3.576348695	0.102360703
14008	BLOC1S3	4	1	-1.184298548	-0.842859946
14009	ERCC2	11	1	1.826678601	0.927494146
14010	PPP1R13L	8	1	-0.077743436	1.995850242
14011	CD3EAP	7	1	3.673420277	-1.425392591
14012	ERCC1	2	1	4.343625155	1.661047138
14013	FOSB	15	1	-4.028157148	0.527901061
14014	RTN2	13	1	-3.625862035	-0.015510284
14015	PPM1N	12	1	-2.564444217	-1.232102953
14016	VASP	2	1	4.000284281	0.073513455

14017	OPA3	5	1	0.819971052	-1.754953824
14018	EML2	8	1	-0.313116732	1.375033237
14019	SNRPD2	3	1	2.426329699	4.996484555
14020	QPCTL	1	1	-1.656702551	1.498934306
14021	FBXO46	9	1	-0.689286682	0.03358195
14022	SIX5	1	1	-2.099546108	1.609824575
14023	DMPK	13	1	-2.463420543	-0.733079754
14024	DMWD	11	1	1.686023083	-0.240052544
14025	SYMPK	11	1	1.286639061	-0.606668972
14026	IRF2BP1	5	1	0.001412981	-2.57193657
14027	MYPOP	1	1	-2.609568748	1.386432446
14028	CCDC61	5	1	1.458006707	-2.774498426
14029	AC006262.2	12	1	-2.211606655	-1.72091838
14030	HIF3A	1	1	-1.707189593	2.766289033
14031	PPP5C	7	1	2.970331994	-1.785308801
14032	CCDC8	9	1	-1.299538764	-0.00987082
14033	PNMA8B	12	1	-3.091288242	-1.805004798
14034	AC011484.1	12	1	-2.614625606	-1.326062046
14035	CALM3	16	1	3.307540026	3.228482045
14036	PTGIR	9	1	-0.686586651	0.515264012
14037	DACT3	12	1	-2.693608674	-1.157389485
14038	PRKD2	4	1	-0.639206383	-1.523090326
14039	STRN4	11	1	1.12742075	-0.673409902
14040	FKRP	4	1	-0.664991888	-1.325453125
14041	SLC1A5	3	1	1.815703478	4.478096284
14042	AC008622.2	13	1	-2.33569375	-0.238827132
14043	AP2S1	3	1	3.062838641	4.926163949
14044	ARHGAP35	11	1	2.037941542	-0.196159981
14045	NPAS1	4	1	-1.824203882	-1.052098237
14046	TMEM160	2	1	4.732385722	0.835823037
14047	ZC3H4	5	1	1.053301182	-1.900878631
14048	SAE1	10	1	3.683693972	-2.409456454
14049	BBC3	3	1	1.072749463	2.366516866
14050	CCDC9	11	1	0.893093315	-1.127078377
14051	INAFM1	2	1	4.082456198	1.108082093
14052	C5AR1	19	2	-7.123299036	0.350456185
14053	C5AR2	1	1	-2.324435625	2.341022171
14054	DHX34	5	1	1.021285918	-1.9054875
14055	MEIS3	13	1	-3.214854631	-0.153068684
14056	KPTN	6	1	-0.987846288	-2.962065898
14057	NAPA	2	1	4.254134264	0.207465149
14058	AC010331.1	20	1	-0.912032935	-4.421064101
14059	BICRA	4	1	0.01330499	-1.131143414

14060	EHD2	3	1	1.298564878	4.132076539
14061	NOP53	3	1	2.465913859	5.452789582
14062	SELENOW	3	1	2.609937039	5.097472466
14063	PLA2G4C	8	1	-0.239970598	1.442765988
14064	LIG1	10	1	3.032404986	-3.512265884
14065	ZSWIM9	9	1	0.038690856	-0.186135076
14066	CARD8	10	1	3.360532847	-2.961753808
14067	CARD8-AS1	11	1	0.774583128	-0.89622923
14068	AC008392.1	1	1	-2.349817905	2.970022
14069	EMP3	16	1	3.82350072	3.787936963
14070	TMEM143	13	1	-1.997469339	0.34340211
14071	KDELR1	3	1	1.442612854	4.997950829
14072	GRIN2D	13	1	-2.489043149	-0.296069227
14073	GRWD1	7	1	3.859509316	-1.345676862
14074	KCNJ14	9	1	-0.087688978	-0.055026971
14075	CYTH2	7	1	3.149202433	-1.954416476
14076	RPL18	3	1	2.545835581	5.499356068
14077	SPHK2	4	1	-0.765394244	-1.8099043
14078	DBP	1	1	-2.331156167	2.979811944
14079	CA11	18	1	-3.004810008	1.235018708
14080	FUT2	1	1	-1.614795598	2.590109147
14081	MAMSTR	5	1	1.085497346	-3.104139053
14082	RASIP1	12	1	-3.197112712	-1.450563513
14083	FUT1	8	1	0.713384357	1.06079296
14084	BCAT2	2	1	3.632133809	0.145952143
14085	HSD17B14	13	1	-3.696659717	-0.450022124
14086	PLEKHA4	5	1	0.469125149	-2.304079972
14087	PPP1R15A	6	1	-2.435766134	-3.556624852
14088	NUCB1	3	1	0.721492138	4.772088326
14089	BAX	16	1	3.945602742	3.84180168
14090	FTL	3	1	2.117164937	5.376524724
14091	GYS1	1	1	-2.239624652	1.838123835
14092	RUUBL2	2	1	4.348871794	-0.965594851
14093	NTF4	15	1	-4.039973649	-1.709557735
14094	SNRNP70	7	1	4.05603179	-1.102519475
14095	LIN7B	13	1	-2.920731458	0.155036859
14096	C19orf73	6	1	-1.768485817	-3.117782317
14097	PPFIA3	12	1	-3.163348112	-1.143826805
14098	TRPM4	1	1	-2.027465496	0.842659719
14099	TEAD2	7	1	2.068903771	-2.445715152
14100	PIH1D1	2	1	4.452196208	0.624054469
14101	ALDH16A1	5	1	2.058807459	-2.743367635
14102	FLT3LG	1	1	-2.718447122	1.418380774

14103	RPL13A	3	1	1.643046823	5.240050591
14104	RPS11	3	1	1.693202105	5.332101621
14105	FCGRT	15	1	-3.952045593	-0.289689742
14106	RCN3	3	1	1.058973518	4.834013261
14107	NOSIP	2	1	4.627651778	0.573461808
14108	PRRG2	6	1	-0.691799197	-3.814065658
14109	PRR12	4	1	0.121718128	-1.184728705
14110	RRAS	3	1	2.042669621	4.789799966
14111	SCAF1	7	1	2.08051857	-1.087138139
14112	IRF3	2	1	4.053437796	-0.452126585
14113	BCL2L12	10	1	3.99814519	-2.470555984
14114	PRMT1	16	1	3.682124701	3.51528386
14115	ADM5	5	1	0.859927919	-2.533069574
14116	CPT1C	13	1	-2.269259366	-0.654972755
14117	AP2A1	14	1	-1.037095699	2.646566428
14118	FUZ	6	1	-0.454875562	-3.24306079
14119	AC006942.1	1	1	-2.152354154	2.3334736
14120	MED25	2	1	3.928113308	0.674570657
14121	PTOV1	3	1	1.276678052	3.173446692
14122	PNKP	2	1	4.397287455	-0.341642045
14123	AKT1S1	2	1	3.906912175	0.576551206
14124	TBC1D17	1	1	-2.452674064	1.498822249
14125	IL4I1	8	1	0.310420778	1.001227177
14126	NUP62	7	1	3.038143244	-2.682351075
14127	ATF5	2	1	3.541492072	0.049627013
14128	VRK3	4	1	0.088776299	-1.958087407
14129	ZNF473	5	1	1.367150393	-2.645729505
14130	KCNC3	1	1	-2.503674898	1.131472863
14131	NR1H2	14	1	-1.048176083	2.989240683
14132	POLD1	10	1	2.766003933	-3.739412986
14133	FAM71E1	12	1	-3.396443042	-1.31772276
14134	EMC10	13	1	-3.258922967	-0.443954729
14135	JOSD2	3	1	2.090124455	5.037439622
14136	SYT3	12	1	-3.291136417	-1.815026485
14137	C19orf81	13	1	-2.020564947	0.56370645
14138	CLEC11A	3	1	1.299987879	4.987049855
14139	C19orf48	10	1	2.731839743	-3.830140315
14140	CTU1	2	1	4.219038573	-0.170933686
14141	IGLON5	1	1	-2.355011615	3.001543797
14142	VSIG10L	12	1	-2.86457673	-1.237064444
14143	ETFB	3	1	3.244669285	4.678997792
14144	ZNF175	4	1	-0.839282367	-1.147785627
14145	SPACA6	13	1	-2.051302824	0.137218259

14146	HAS1	17	1	-4.470272455	2.659051217
14147	FPR1	19	2	-6.48915616	0.386513375
14148	FPR3	19	2	-7.097622308	0.257867753
14149	ZNF577	13	1	-3.033969316	0.17798341
14150	ZNF649-AS	12	1	-2.040613565	-1.807840072
14151	ZNF649	6	1	0.215991464	-2.975151979
14152	ZNF613	4	1	-1.121040973	-1.457129322
14153	ZNF350	13	1	-2.15996376	0.606194593
14154	ZNF615	9	1	-1.814415965	0.025928058
14155	ZNF614	4	1	-0.827160332	-1.256321989
14156	ZNF432	9	1	-1.262215409	-0.024479114
14157	ZNF841	1	1	-1.715904507	0.72277949
14158	ZNF616	1	1	-2.070440921	1.413350142
14159	ZNF836	1	1	-2.288217697	2.055664815
14160	PPP2R1A	2	1	3.756326762	0.08260078
14161	ZNF766	1	1	-1.719564709	2.424406089
14162	ZNF480	6	1	-1.267491493	-2.771605455
14163	ZNF610	13	1	-2.76797429	0.163282625
14164	ZNF880	18	1	-3.279544744	1.463379063
14165	ZNF528	18	1	-2.975608739	0.960407831
14166	ZNF578	15	1	-3.770556602	-1.686544143
14167	ZNF808	9	1	-0.91431323	-0.060037606
14168	ZNF701	4	1	-0.291349563	-1.256147228
14169	ZNF83	1	1	-1.782091054	2.136224307
14170	ZNF611	4	1	-0.03435127	-1.062680684
14171	ZNF600	4	1	-1.131273422	-1.319963061
14172	ZNF28	4	1	-1.528941903	-1.164804541
14173	ZNF468	4	1	-0.95582256	-1.55567845
14174	ZNF888	10	1	3.196932402	-2.962003432
14175	F816-ZNF3	5	1	0.975413647	-2.759459935
14176	ZNF160	1	1	-1.659006509	1.795505442
14177	ZNF415	13	1	-3.20019618	-0.471846424
14178	ZNF347	4	1	-0.39408854	-1.404381
14179	ZNF665	13	1	-1.959977064	0.43153717
14180	ZNF677	12	1	-2.940757665	-1.220280491
14181	ZNF845	4	1	-0.962683532	-1.586675011
14182	ZNF525	4	1	-0.713947389	-1.216814719
14183	ZNF765	9	1	-1.068655285	0.586067177
14184	ZNF761	1	1	-1.918620381	0.668842055
14185	ZNF331	1	1	-1.706884298	0.624569632
14186	MYADM	14	1	0.651711908	2.446152486
14187	CACNG7	4	1	-1.470119032	-1.609940969
14188	CACNG8	8	1	0.384504643	0.174658336

14189	OSCAR	3	1	1.151074257	2.463963546
14190	NDUFA3	3	1	1.573411193	5.030994691
14191	TFPT	2	1	3.942591277	0.958507694
14192	PRPF31	2	1	4.602012721	-0.299661242
14193	CNOT3	7	1	2.054876652	-1.535488092
14194	LENG1	7	1	3.508564082	-1.356544338
14195	TMC4	18	1	-3.10779396	1.060860313
14196	MBOAT7	14	1	-0.478148016	3.447847642
14197	TSEN34	2	1	3.994194117	0.498251155
14198	RPS9	3	1	2.530658331	5.49893216
14199	LENG8-AS1	1	1	-1.737975869	2.070161856
14200	LENG8	1	1	-1.445480856	1.323901392
14201	LENG9	13	1	-2.583900604	0.041430391
14202	CDC42EP5	13	1	-3.511285696	0.268241644
14203	RDH13	5	1	1.394164768	-2.7416
14204	EPS8L1	5	1	0.277017054	-2.476267062
14205	PPP1R12C	4	1	-0.77630696	-1.208531939
14206	TNNT1	8	1	0.161823329	1.310899891
14207	DNAAF3	6	1	-0.956533942	-3.371617042
14208	AC010327.3	4	1	-1.345426115	-1.584423386
14209	SYT5	6	1	-2.237943086	-3.355783187
14210	PTPRH	4	1	-1.817340526	-1.490678273
14211	PPP6R1	7	1	1.956958857	-0.942248427
14212	HSPBP1	2	1	4.507471648	-0.348448657
14213	BRSK1	9	1	-1.311381015	0.214130141
14214	KMT5C	1	1	-1.8927708	1.201665737
14215	COX6B2	17	1	-4.576896581	3.188752927
14216	FAM71E2	17	1	-4.869662199	3.348913945
14217	IL11	17	1	-4.459915552	2.941051759
14218	TMEM190	18	1	-3.127038869	1.180539228
14219	TMEM238	12	1	-2.827667388	-1.686520301
14220	RPL28	3	1	1.982572403	5.474209584
14221	UBE2S	16	1	3.482069817	3.116106786
14222	ISOC2	2	1	4.626185027	0.941892601
14223	ZNF628	5	1	-0.11964168	-2.379549943
14224	NAT14	2	1	3.917237368	1.079093195
14225	SSC5D	12	1	-2.407111797	-1.290023647
14226	ZNF579	1	1	-1.421855483	1.51921431
14227	FIZ1	4	1	-0.565212998	-1.838747226
14228	ZNF524	13	1	-3.401119861	-0.660083138
14229	ZNF865	4	1	-0.885669324	-1.479528867
14230	ZNF784	4	1	-1.095842752	-1.815237962
14231	ZNF580	2	1	4.294857588	1.066546716

14232	ZNF581	14	1	-1.509055171	3.305165566
14233	CCDC106	6	1	-1.602506074	-2.951596938
14234	U2AF2	7	1	3.223350611	-1.276481591
14235	AC008735.2	1	1	-1.422766599	2.425198592
14236	EPN1	2	1	4.113908377	0.412713166
14237	ZNF787	7	1	3.510987845	-1.063600742
14238	ZNF444	6	1	-0.526761386	-2.461043321
14239	ZSCAN5A	13	1	-3.122694168	0.177820273
14240	ZNF582	12	1	-3.411684188	-1.347244583
14241	ZNF582-AS	12	1	-3.331189546	-1.558632456
14242	ZNF583	12	1	-2.852898273	-2.571808063
14243	ZNF667	12	1	-3.173105392	-1.149066054
14244	ZNF667-AS	12	1	-2.94530693	-2.321908914
14245	ZNF471	13	1	-2.086917552	0.678992249
14246	AC005498.2	12	1	-3.341776046	-1.276736461
14247	ZFP28	9	1	-1.047271165	0.065218515
14248	AC005498.3	12	1	-3.296931896	-2.25804206
14249	ZNF470	9	1	-1.354287896	0.193837888
14250	ZNF71	5	1	-0.11082952	-2.43028637
14251	AC007228.2	4	1	-0.901162776	-0.602246247
14252	PEG3	15	1	-3.744184169	-2.355743371
14253	ZNF264	1	1	-1.272166643	1.280171431
14254	ZNF805	1	1	-1.409507427	0.641631014
14255	AC005261.3	1	1	-1.648551139	1.032675124
14256	ZNF460	9	1	-1.163660321	0.423039615
14257	AC005261.1	1	1	-1.075470242	1.578667916
14258	ZNF543	9	1	-0.437980566	0.739514001
14259	ZNF304	4	1	-0.882443163	-0.673131786
14260	TRAPPC2B	13	1	-2.666103277	-0.018871658
14261	ZNF548	1	1	-2.330121431	1.115057505
14262	ZNF749	5	1	0.72206482	-2.257011138
14263	AC004076.2	9	1	-0.54906604	-0.111210875
14264	ZNF772	13	1	-2.226271781	-0.574052535
14265	ZNF419	8	1	0.418273982	1.157638468
14266	ZNF773	9	1	0.197444034	0.267934955
14267	ZNF549	9	1	-0.868732664	0.218458436
14268	ZNF550	1	1	-1.492971334	2.279287852
14269	ZNF416	4	1	-1.144768748	-0.987478577
14270	ZIK1	5	1	1.308684674	-2.65044757
14271	ZNF530	5	1	1.393524972	-2.445691549
14272	ZNF134	9	1	-1.330052647	0.145941295
14273	ZNF211	4	1	-1.372513327	-0.370990955
14274	ZNF551	5	1	1.787431088	-2.881597959

14275	ZNF154	13	1	-2.447285327	-0.270452224
14276	ZNF776	9	1	-1.047739777	-0.114531093
14277	ZNF552	4	1	-0.693826112	-0.954463087
14278	ZNF587B	4	1	0.273594257	-0.749047719
14279	ZNF814	1	1	-1.462028298	2.256580151
14280	ZNF587	1	1	-1.175693783	1.548987664
14281	ZNF417	1	1	-0.701546821	1.748937644
14282	ZNF418	1	1	-1.047096405	1.510977186
14283	ZNF256	4	1	-1.012889537	-1.094663464
14284	C19orf18	13	1	-2.089944038	-0.192400597
14285	ZNF606	1	1	-1.636917624	0.658477194
14286	ZNF135	15	1	-3.764085445	-1.845930778
14287	ZSCAN18	13	1	-2.889590654	0.123185076
14288	ZNF329	4	1	-1.341522011	-0.942163669
14289	ZNF274	9	1	-0.711891505	-0.398270332
14290	ZNF544	5	1	0.812464681	-1.83001896
14291	AC020915.3	13	1	-2.956275854	-0.26882305
14292	ZNF8	9	1	-0.776018116	-0.12149968
14293	ERVK3-1	5	1	0.025296141	-2.899635755
14294	AC010642.2	13	1	-3.537101898	-0.125787579
14295	A1BG	18	1	-3.371962461	1.0056471
14296	A1BG-AS1	12	1	-2.206005487	-1.780990087
14297	AC012313.2	12	1	-2.584109458	-1.737328731
14298	ZNF837	12	1	-3.06612483	-1.312384688
14299	RPS5	3	1	2.345637408	5.621345319
14300	ZNF584	6	1	-0.057292971	-3.137114011
14301	ZNF324	6	1	-0.944856855	-1.951425277
14302	ZNF446	15	1	-3.607233438	-1.098256193
14303	SLC27A5	6	1	-1.119513902	-2.553859674
14304	ZBTB45	5	1	0.093452756	-2.378795587
14305	TRIM28	16	1	3.250076619	2.910833873
14306	CHMP2A	3	1	2.222051468	5.038242616
14307	UBE2M	16	1	3.704815236	3.643703498
14308	MZF1-AS1	6	1	-2.342885408	-3.712482177
14309	MZF1	9	1	-1.761384162	-0.076958172
14310	RPS4Y1	18	1	-3.562395009	1.667471446
14311	ZFY	18	1	-3.657297286	1.512352623
14312	TTY15	18	1	-3.575574789	1.68658141
14313	USP9Y	18	1	-3.56564084	1.72552184
14314	DDX3Y	18	1	-3.582096729	1.656500496
14315	UTY	18	1	-3.614606056	1.616926588
14316	NLGN4Y	18	1	-3.573983345	1.676730193
14317	NLGN4Y-AS1	6	1	-1.663140091	-3.311567746

14318	TTY14	18	1	-3.619500551	1.556202091
14319	AC010889.1	18	1	-3.377531681	1.924016632
14320	KDM5D	18	1	-3.48609272	1.724794186
14321	EIF1AY	18	1	-3.576092872	1.697893776
14322	AC007064.2	1	1	-1.384919557	1.055796779
14323	IL17RA	4	1	-0.743996295	-1.082427107
14324	HDHD5	7	1	3.264341441	-1.546085678
14325	ADA2	18	1	-3.546059045	1.691877283
14326	ATP6V1E1	3	1	1.246329513	4.254785098
14327	BCL2L13	8	1	0.925191012	0.200789071
14328	BID	2	1	3.922742215	-0.034240507
14329	MICAL3	4	1	0.133587909	-1.696025573
14330	PEX26	4	1	-0.085921283	-0.657610022
14331	USP18	9	1	-1.096149835	0.295666955
14332	TMEM191B	12	1	-2.811031017	-1.704171859
14333	DGCR2	4	1	-0.928411338	-1.478508435
14334	ESS2	6	1	-0.780507836	-2.827489339
14335	LINC01311	20	1	-0.757408473	-4.361875735
14336	SLC25A1	14	1	-1.084075484	3.280833758
14337	CLTCL1	3	1	1.120732275	2.427900828
14338	HIRA	4	1	-0.24794251	-1.987286531
14339	C22orf39	2	1	4.009030905	0.622131355
14340	MRPL40	2	1	4.642490473	0.963119902
14341	UFD1	2	1	4.706197348	1.015643813
14342	CDC45	10	1	3.021640626	-3.927056514
14343	CLDN5	8	1	0.6729494	0.757656194
14344	GNB1L	7	1	2.241983023	-2.110840284
14345	RTL10	11	1	0.935570803	-1.09722849
14346	TXNRD2	7	1	3.695269194	-1.116880857
14347	COMT	3	1	1.878978339	4.547258176
14348	ARVCF	8	1	0.471798864	0.146076061
14349	TANGO2	6	1	-1.423140797	-1.99097582
14350	DGCR8	5	1	1.953899708	-3.197033845
14351	TRMT2A	5	1	0.295718399	-2.337139331
14352	RANBP1	16	1	3.578207579	3.052748002
14353	ZDHHC8	9	1	0.020005078	-0.649741613
14354	AC007663.2	18	1	-3.30236927	1.684877552
14355	RTN4R	1	1	-0.395071331	1.566627897
14356	DGCR6L	2	1	4.126645651	0.967506446
14357	ZNF74	4	1	-0.589948747	-0.88381847
14358	SCARF2	12	1	-2.531088981	-2.074922048
14359	KLHL22	13	1	-1.995326194	0.144503183
14360	MED15	11	1	1.496664968	-0.100994908

14361	PI4KA	6	1	-0.758762154	-2.216744147
14362	SNAP29	2	1	4.210341063	0.892410613
14363	CRKL	9	1	-0.296610567	0.406797088
14364	LINC01637	15	1	-3.502896938	-0.93226596
14365	LZTR1	9	1	-1.069703254	-0.259524308
14366	THAP7	2	1	3.866581526	-0.587379895
14367	THAP7-AS1	12	1	-2.065291795	-2.693850242
14368	P2RX6	13	1	-3.467414054	-0.296639227
14369	SLC7A4	13	1	-3.653421554	0.009654976
14370	HIC2	4	1	-0.247499052	-1.161997758
14371	TMEM191C	12	1	-2.273080501	-2.601794921
14372	RIMBP3C	15	1	-3.977531824	0.260301694
14373	UBE2L3	16	1	3.96588501	3.169310845
14374	YDJC	2	1	4.242894259	0.086614586
14375	SDF2L1	2	1	4.754820433	0.91145233
14376	PPIL2	5	1	0.394765255	-2.079028808
14377	YPEL1	10	1	4.24840745	-3.108837806
14378	MAPK1	11	1	1.685902086	0.385217794
14379	PPM1F	5	1	0.922818509	-1.594340883
14380	AC245452.1	4	1	0.257360276	-1.312344633
14381	TOP3B	9	1	-1.091722164	0.27356153
14382	AC245060.6	1	1	-1.57007471	2.133002676
14383	AC245060.5	12	1	-2.829819355	-1.657352649
14384	ZNF280B	5	1	1.221367565	-2.794875585
14385	GNAZ	9	1	0.31456199	-0.341237031
14386	RAB36	6	1	-0.663146886	-3.021234714
14387	BCR	6	1	-1.117309603	-1.897715055
14388	IGLL1	1	1	-2.006470117	1.641966618
14389	ZNF70	1	1	-1.486920151	1.332722701
14390	VPREB3	18	1	-3.287676963	1.127471544
14391	C22orf15	6	1	-1.313166055	-1.826954805
14392	CHCHD10	13	1	-3.457744274	0.308742948
14393	MMP11	12	1	-2.239633235	-1.560942494
14394	SMARCB1	2	1	4.538433161	-0.216023229
14395	DERL3	10	1	3.2087284	-3.624365054
14396	SLC2A11	13	1	-3.115148696	-0.063030713
14397	MIF	3	1	2.39885315	5.052101888
14398	MIF-AS1	6	1	-1.10232726	-2.583629333
14399	AP000350.6	18	1	-3.551995429	1.7251058
14400	GSTT2B	2	1	3.914621678	0.431805059
14401	DDT	3	1	3.019101229	4.911800183
14402	CABIN1	7	1	1.701040712	-1.479969464
14403	GGT5	18	1	-3.824073467	1.263495363

14404	SPECC1L	9	1	-0.927756819	-0.070304744
14405	DORA2A-A	17	1	-4.71531907	3.255442418
14406	GUCD1	9	1	-0.601165983	-0.414079152
14407	SNRPD3	16	1	3.535942164	3.685332574
14408	GGT1	18	1	-3.031016263	2.051695622
14409	LRRC75B	1	1	-2.816903505	1.076623954
14410	KIAA1671	12	1	-2.158712301	-2.291478835
14411	CRYBB2	6	1	-2.143649015	-2.932477676
14412	GRK3	1	1	-1.713811788	1.700671352
14413	ASPHD2	9	1	-0.100013542	-0.33471223
14414	HPS4	1	1	-0.690468165	1.224555708
14415	SRRD	2	1	3.648022261	-0.199940048
14416	TFIP11	5	1	0.421329555	-2.495937787
14417	Z95115.1	20	1	-0.785737786	-4.317537509
14418	TPST2	1	1	-0.760420355	2.078970946
14419	MIAT	17	1	-2.80152646	2.525387801
14420	MIATNB	13	1	-3.189707908	0.237043254
14421	AL008638.1	15	1	-4.343363199	-1.764224731
14422	LINC01638	13	1	-3.113168869	-0.961114489
14423	MN1	12	1	-2.452473316	-2.634866677
14424	PITPNB	7	1	2.940510359	-0.64464768
14425	TTC28	13	1	-2.734343919	-0.82863947
14426	CHEK2	1	1	-2.493243608	1.252792693
14427	HSCB	2	1	3.359116402	1.221093274
14428	CCDC117	1	1	-1.239633593	1.104346193
14429	XBP1	3	1	1.416761008	4.505401887
14430	Z93930.2	18	1	-3.011511001	1.601755895
14431	ZNRF3	5	1	1.333715406	-2.076734029
14432	KREMEN1	1	1	-2.324584398	1.244028963
14433	RHBDD3	12	1	-3.178512487	-1.370836579
14434	EWSR1	7	1	3.192741242	-0.844726525
14435	GAS2L1	5	1	0.111464512	-2.627142869
14436	RASL10A	12	1	-1.915458712	-1.740974866
14437	AP1B1	7	1	1.918260541	-0.737750732
14438	RFPL1S	12	1	-3.399673137	-1.286457144
14439	NEFH	5	1	1.470432249	-3.121207439
14440	THOC5	7	1	3.477414456	-0.831699692
14441	NIPSNAP1	2	1	3.430744734	1.315686859
14442	NF2	7	1	2.0824438	-1.083756767
14443	ZMAT5	2	1	4.181011286	0.200128175
14444	UQCR10	3	1	2.962604847	4.929975785
14445	ASCC2	2	1	3.805768576	0.557406656
14446	MTMR3	1	1	-1.574820194	0.808345802

14447	AC003681.1	1	1	-1.192012701	2.005529679
14448	LIF	8	1	-0.002469878	0.741303779
14449	AC004264.1	6	1	-2.228719625	-3.513667546
14450	OSM	19	2	-7.240647706	0.304268189
14451	CASTOR1	12	1	-2.695762548	-1.367861949
14452	TBC1D10A	4	1	-2.107271347	-1.032939039
14453	SF3A1	7	1	3.004562226	-1.244771563
14454	CCDC157	6	1	-2.125791463	-3.00454136
14455	RNF215	1	1	-2.125494632	1.119125403
14456	SEC14L2	4	1	-0.106705043	-0.825152002
14457	AC004832.3	2	1	3.839629975	-0.564832412
14458	MTFP1	10	1	2.569463578	-3.472539626
14459	PES1	7	1	3.447138396	-1.377073966
14460	TCN2	19	2	-6.55554429	0.110770859
14461	SLC35E4	5	1	0.722364333	-2.033253633
14462	DUSP18	4	1	-0.714033696	-1.479603254
14463	MORC2-AS	6	1	-0.784069094	-3.015009366
14464	MORC2	4	1	-0.439465675	-1.449413978
14465	SMTN	7	1	2.304136124	-1.010436021
14466	SELENOM	3	1	1.878908721	5.13650874
14467	INPP5J	6	1	-1.174189004	-2.523507558
14468	RNF185	4	1	-1.158307824	-0.674232684
14469	LIMK2	6	1	-1.55310503	-3.151357852
14470	PIK3IP1	1	1	-1.535196218	2.533403434
14471	PATZ1	5	1	0.65473893	-2.048459016
14472	DRG1	7	1	3.4094623	-0.78095635
14473	EIF4ENIF1	11	1	1.015367177	-1.292852007
14474	SFI1	5	1	2.016883698	-3.007038079
14475	PISD	1	1	-2.361270103	2.313423432
14476	PRR14L	11	1	2.25606617	-0.288338684
14477	DEPDC5	4	1	0.322943506	-1.351067387
14478	YWHAH	16	1	3.324547854	2.859711922
14479	RTCB	2	1	4.434828368	-0.681055747
14480	FBXO7	11	1	1.843140569	0.674984522
14481	TIMP3	3	1	1.206639615	4.251788892
14482	LARGE1	12	1	-2.106598052	-2.036004029
14483	HMGXB4	7	1	2.71588048	-0.979200803
14484	TOM1	18	1	-3.06084362	1.679886974
14485	HMOX1	15	1	-4.154906663	-0.165822827
14486	MCM5	10	1	2.575811711	-3.928606712
14487	RASD2	1	1	-2.011423025	2.853438653
14488	APOL6	3	1	1.051951018	2.418533601
14489	RBFOX2	3	1	2.233121481	2.825389661

14490	Z82217.1	1	1	-1.078517231	1.96303264
14491	APOL3	1	1	-2.163073692	1.833773888
14492	APOL4	17	1	-4.824492368	3.228076018
14493	APOL2	4	1	-1.297059688	-0.522634708
14494	APOL1	1	1	-1.548509869	0.750934668
14495	MYH9	3	1	1.713123289	3.833769835
14496	TXN2	2	1	4.397245017	1.319462456
14497	FOXRED2	10	1	2.087929812	-3.362728559
14498	EIF3D	3	1	2.725327101	4.290040768
14499	IFT27	2	1	3.678584424	1.184957184
14500	TST	2	1	3.886326399	1.139394916
14501	MPST	3	1	2.138927308	5.542547978
14502	KCTD17	5	1	1.10558137	-3.250972234
14503	C1QTNF6	18	1	-3.813661727	1.371169247
14504	RAC2	1	1	-0.603313837	2.01001469
14505	MFNG	19	2	-7.294908914	0.284125432
14506	CARD10	5	1	0.432720598	-2.330808602
14507	CDC42EP1	2	1	4.20933589	0.349824045
14508	GGA1	11	1	0.752321508	-1.014407359
14509	SH3BP1	6	1	-0.645185444	-2.252516471
14510	LGALS1	3	1	2.339466658	5.021527089
14511	NOL12	5	1	1.190314975	-3.196120464
14512	TRIOBP	2	1	4.37006816	1.066958584
14513	H1FO	17	1	-3.333964262	2.859159983
14514	GCAT	2	1	4.030649987	1.021976091
14515	ANKRD54	6	1	0.077998218	-3.318032228
14516	EIF3L	3	1	1.548935142	5.086067952
14517	MICALL1	5	1	0.900505093	-1.853892051
14518	C22orf23	18	1	-3.551937971	1.268008806
14519	POLR2F	2	1	4.755931464	1.084281899
14520	PICK1	6	1	-0.97141746	-2.986731015
14521	SLC16A8	13	1	-3.399531755	-0.331153535
14522	AL022322.1	1	1	-1.75159255	1.042482592
14523	MAFF	8	1	1.173887578	0.634182401
14524	TMEM184B	8	1	-0.07463302	1.877590813
14525	CSNK1E	8	1	0.571183529	1.906132974
14526	TEP2-CSNK	13	1	-2.372788105	-0.185719513
14527	KDEL3	3	1	1.219197598	4.858992852
14528	DDX17	3	1	1.073153701	4.201685466
14529	DMC1	10	1	2.696879473	-3.964451038
14530	FAM227A	15	1	-3.835648212	0.560368217
14531	CBY1	2	1	3.541037169	0.287105337
14532	TOMM22	16	1	3.832250205	2.985275306

14533	JOSD1	8	1	0.9573383	0.11655847
14534	GTPBP1	4	1	0.261075151	-1.261469685
14535	SUN2	8	1	1.660307613	1.214539148
14536	AL021707.1	17	1	-4.206473741	3.137124575
14537	AL021707.6	9	1	-0.380670521	-0.049998604
14538	DNAL4	13	1	-3.1010851	-0.78913673
14539	NPTXR	12	1	-2.552153024	-1.223866545
14540	CBX6	7	1	1.836019364	-0.611760639
14541	APOBEC3E	10	1	3.252283659	-3.051548921
14542	APOBEC3C	7	1	1.793818322	-0.398053371
14543	APOBEC3F	12	1	-2.275447998	-1.717310153
14544	APOBEC3G	1	1	-1.827462468	1.889349021
14545	CBX7	1	1	-1.966349992	2.430820025
14546	AL031846.2	1	1	-1.96877161	2.394351281
14547	RPL3	3	1	2.273831931	5.573312558
14548	SYNGR1	13	1	-3.610644731	-0.762010418
14549	TAB1	4	1	0.036108711	-0.870413028
14550	MIEF1	5	1	1.231166926	-1.498533093
14551	ATF4	3	1	1.15380272	4.495133199
14552	RPS19BP1	16	1	3.964794484	3.53229288
14553	TNRC6B	11	1	1.614678231	1.018318452
14554	ADSL	5	1	0.907090273	-2.843028508
14555	SGSM3	1	1	-1.436945114	1.559013761
14556	MKL1	6	1	-1.232815656	-1.810693942
14557	MCHR1	17	1	-2.746049318	2.955276288
14558	SLC25A17	7	1	2.2865971	-2.154417001
14559	ST13	3	1	1.443964091	4.822049416
14560	XPNPEP3	9	1	-0.071910265	-0.51735618
14561	RBX1	16	1	3.617955771	4.077578105
14562	EP300	11	1	1.693952647	0.510315366
14563	L3MBTL2	5	1	1.815754381	-2.797167503
14564	AL035681.1	3	1	1.107714143	2.358290352
14565	CHADL	19	2	-6.643733415	0.00385616
14566	RANGAP1	10	1	3.668227044	-2.506956063
14567	ZC3H7B	11	1	0.447726932	-0.410552107
14568	TEF	1	1	-1.631494674	1.718869485
14569	TOB2	8	1	-0.342073861	1.239768363
14570	PHF5A	10	1	2.758819666	-2.896423303
14571	ACO2	2	1	3.969393101	0.493716821
14572	POLR3H	5	1	0.861480024	-3.397416555
14573	CSDC2	12	1	-2.392912778	-1.382421337
14574	PMM1	14	1	-1.598609004	3.337370433
14575	DESI1	2	1	3.627799597	0.224240817

14576	XRCC6	16	1	3.481001463	3.107638158
14577	SNU13	16	1	3.368253556	4.283215798
14578	C22orf46	4	1	-1.092078599	-1.280371867
14579	MEI1	9	1	0.004148503	0.415905744
14580	CCDC134	10	1	2.669874993	-3.003724538
14581	AL021453.1	20	1	-0.96330801	-4.379916869
14582	SREBF2	14	1	-0.020450617	3.112049378
14583	TNFRSF13C	10	1	2.134914961	-3.636497699
14584	CENPM	10	1	3.605798092	-2.713770591
14585	NAGA	4	1	-0.158595371	-1.911951266
14586	PHETA2	13	1	-2.084908161	0.441002279
14587	SMDT1	2	1	4.304470149	0.988052167
14588	NDUFA6	16	1	3.887728777	3.904062308
14589	TCF20	9	1	-0.14069553	-0.186217569
14590	Z83851.1	12	1	-2.263542089	-1.951137983
14591	RRP7A	2	1	4.426887599	-0.679596029
14592	SERHL2	12	1	-1.951192412	-1.715812408
14593	POLDIP3	7	1	1.829170433	-1.531326138
14594	Z93241.1	15	1	-3.955074939	0.573593251
14595	CYB5R3	3	1	2.135958519	4.676760949
14596	A4GALT	1	1	-1.764693055	1.366234459
14597	ARFGAP3	14	1	-0.454333219	3.510362185
14598	PACSIN2	8	1	1.518300143	1.03954003
14599	TTLL1	13	1	-3.05165306	-0.824519001
14600	MCAT	5	1	1.44781765	-2.912012778
14601	TSPO	3	1	2.491098967	4.986241616
14602	TTLL12	5	1	1.624459115	-1.923600875
14603	PNPLA3	1	1	-1.801891956	0.805100418
14604	SAMM50	2	1	4.32557067	0.734414227
14605	PARVB	2	1	3.750815239	0.089332886
14606	PARVG	19	2	-7.430732164	0.279871195
14607	SHISAL1	12	1	-2.679904375	-1.195273124
14608	RTL6	4	1	-0.716937575	-1.857659303
14609	PRR5	6	1	-1.437839541	-2.296043359
14610	ARHGAP8	1	1	-1.619234833	2.649635352
14611	NUP50-DT	6	1	-0.896564695	-2.499802552
14612	Z82243.1	5	1	1.113069978	-1.857481204
14613	NUP50	10	1	3.028910962	-3.057878219
14614	KIAA0930	6	1	-0.555524859	-2.248477899
14615	FAM118A	8	1	0.584696498	0.865184046
14616	SMC1B	10	1	2.365305033	-4.494148933
14617	RIBC2	10	1	2.434189168	-4.157396995
14618	FBLN1	15	1	-4.752143297	-0.7865934

14619	ATXN10	16	1	3.369866219	3.571697749
14620	WNT7B	5	1	1.901336875	-2.433407985
14621	BX537318.1	13	1	-2.958903703	0.02437038
14622	PRR34-AS1	4	1	-1.550216469	-1.575751506
14623	IRLET7BH	1	1	-1.565924439	0.782412715
14624	PPARA	1	1	-1.428316507	2.144230403
14625	CDPF1	6	1	-0.663514111	-2.523345433
14626	TTC38	5	1	0.106460859	-2.533962928
14627	GTSE1-DT	20	1	-1.187571678	-4.013290607
14628	GTSE1	10	1	4.332623091	-3.538916074
14629	TRMU	7	1	3.123378363	-2.244251214
14630	AL021392.1	12	1	-2.888901386	-2.096043311
14631	GRAMD4	1	1	-1.765248212	0.892430521
14632	CERK	5	1	1.161514726	-1.527705156
14633	AL118516.1	20	1	-0.858040664	-4.517943584
14634	TBC1D22A	4	1	-1.865311894	-0.798699461
14635	FAM19A5	12	1	-2.53729144	-2.97271248
14636	BRD1	11	1	0.894970861	-1.320943915
14637	Z98885.3	1	1	-0.739553842	1.626466311
14638	ZBED4	5	1	0.943690267	-1.801189624
14639	ALG12	4	1	-1.818825755	-0.704741918
14640	CRELD2	2	1	3.884692755	1.491807498
14641	PIM3	8	1	1.313785878	1.641375817
14642	MOV10L1	13	1	-3.486468467	-0.311949872
14643	PANX2	1	1	-1.853380832	1.077881969
14644	TRABD	2	1	3.828620759	-0.814041697
14645	SELENOO	4	1	-0.45342395	-1.213323914
14646	TUBGCP6	4	1	-0.753432366	-1.763875447
14647	HDAC10	4	1	-1.813326749	-1.49301716
14648	MAPK12	2	1	3.912377682	0.763739265
14649	MAPK11	12	1	-2.403587017	-2.131105863
14650	PLXNB2	13	1	-2.741980943	-0.603823029
14651	DENND6B	13	1	-3.604023847	-0.782058083
14652	PPP6R2	8	1	0.38966864	2.212088384
14653	SBF1	4	1	-0.891972694	-1.136861883
14654	ADM2	3	1	1.165111986	2.450332679
14655	LMF2	13	1	-2.835715923	-0.323537909
14656	NCAPH2	10	1	2.951264945	-3.477700196
14657	U62317.3	10	1	2.268293944	-3.62767192
14658	TYMP	18	1	-3.463130865	1.551484145
14659	ODF3B	18	1	-3.26044527	1.62970642
14660	U62317.2	13	1	-3.151428613	-0.567676805
14661	U62317.5	1	1	-2.349922571	2.940362729

14662	KLHDC7B	15	1	-4.485487375	-0.760568105
14663	CHKB	1	1	-1.927108559	1.192171551
14664	CHKB-DT	6	1	-1.632448468	-3.156259023
14665	MAPK8IP2	12	1	-3.217771205	-1.739909135
14666	ARSA	12	1	-2.854650888	-1.110492908
14667	SHANK3	9	1	-1.59077588	-0.008161299
14668	RABL2B	4	1	-0.920043144	-1.096647226
14669	GATD3B	6	1	-1.777642283	-2.741245233
14670	FP565260.1	5	1	1.259466615	-1.24096223
14671	LINC01669	12	1	-2.675271186	-2.011613094
14672	CU638689.4	18	1	-3.550331983	1.62536136
14673	CU638689.5	9	1	0.263508063	-0.426888131
14674	CU634019.6	10	1	2.60590252	-3.607526981
14675	AP001347.1	5	1	1.381680456	-3.575955592
14676	HSPA13	14	1	0.321071592	2.407424964
14677	SAMSN1	19	2	-7.333361539	0.265625797
14678	AF127577.4	1	1	-1.921279821	2.622345961
14679	LINC02246	1	1	-1.811228666	1.495366014
14680	NRIP1	3	1	1.09026536	2.162560381
14681	AF127577.1	14	1	-0.963571939	2.909906901
14682	USP25	8	1	0.112773758	0.631208755
14683	MIR99AHG	3	1	1.099006143	2.435600556
14684	CXADR	12	1	-2.613628778	-1.927151643
14685	BTG3	14	1	0.571693447	3.268518485
14686	C21orf91	4	1	0.351885673	-1.605334364
14687	NCAM2	18	1	-3.292536411	1.787584223
14688	AP001341.1	11	1	1.179322806	0.035018988
14689	MIR155HG	7	1	2.183428374	-2.643504344
14690	MRPL39	7	1	2.801073161	-2.49288436
14691	JAM2	1	1	-2.01010004	2.448932685
14692	ATP5PF	16	1	3.506370631	4.444340028
14693	GABPA	9	1	0.129888926	-0.232566379
14694	APP	3	1	0.878198948	4.270891942
14695	AP000229.1	13	1	-3.147998008	-0.209367596
14696	CYYR1	15	1	-4.765808019	-1.187813245
14697	ADAMTS1	11	1	2.390159932	-0.117626034
14698	ADAMTS5	17	1	-3.510184917	2.606677569
14699	LINC01695	15	1	-4.548601064	-1.064354621
14700	AF165147.1	1	1	-1.928270254	1.986920275
14701	N6AMT1	6	1	-0.310423794	-3.093060456
14702	LTN1	11	1	1.73755261	0.714930899
14703	RWDD2B	6	1	-0.717266354	-3.089246713
14704	USP16	2	1	3.516972628	-0.734130107

14705	CCT8	16	1	3.267046299	3.568818368
14706	MAP3K7CI	12	1	-1.93801764	-2.054686986
14707	BACH1	8	1	1.142834511	0.978973485
14708	TIAM1	5	1	-0.273391309	-2.320220672
14709	AP000251.1	10	1	3.010003176	-3.480468236
14710	SOD1	16	1	3.488696423	4.237863339
14711	AP000254.1	5	1	0.208117169	-2.244973861
14712	SCAF4	5	1	1.173293438	-1.639865123
14713	LINC00159	10	1	4.205811587	-2.981477462
14714	AP000265.1	17	1	-4.718772325	3.174889125
14715	MIS18A	10	1	3.51746687	-3.299518548
14716	MIS18A-AS1	1	1	-2.101749572	1.110568262
14717	URB1	7	1	1.305335727	-0.968743406
14718	URB1-AS1	6	1	-1.821191105	-3.223235332
14719	EVA1C	5	1	0.385192093	-2.705930196
14720	CFAP298	7	1	4.087913123	-0.977363669
14721	SYNJ1	4	1	-1.657476816	-0.514580511
14722	PAXBP1	7	1	2.543031302	-1.005161368
14723	OLIG2	8	1	0.603411046	1.033788062
14724	IFNAR2	1	1	-0.670354399	1.638999738
14725	IL10RB	1	1	-2.15940896	1.698191203
14726	IFNAR1	11	1	1.563985673	0.844653077
14727	IFNGR2	1	1	-2.058954391	2.926379479
14728	TMEM50B	13	1	-2.720194015	-0.40745052
14729	GART	8	1	1.604779211	1.555558242
14730	SON	3	1	2.102746096	3.948090829
14731	DONSON	10	1	2.68709096	-3.570124351
14732	CRYZL1	11	1	1.652883974	-0.046756201
14733	ITSN1	1	1	-0.30803192	2.14039842
14734	ATP5PO	16	1	3.522082892	4.340199269
14735	LINC00649	15	1	-3.850831661	-0.989613138
14736	MRPS6	16	1	3.481376257	3.443033494
14737	SLC5A3	11	1	2.562189665	-0.23553773
14738	LINC00310	5	1	0.1432211	-2.778438293
14739	RCAN1	8	1	0.806911257	1.377305485
14740	LINC01426	12	1	-2.64071599	-2.616520129
14741	RUNX1	14	1	-0.339524421	2.300057329
14742	SETD4	5	1	0.811508325	-1.885097228
14743	CBR1	16	1	4.060461607	3.093844451
14744	CBR3	10	1	4.016621676	-2.554224692
14745	DOPEY2	8	1	0.855173018	0.839734264
14746	AP000692.2	6	1	-1.889526638	-3.090045415
14747	MORC3	8	1	1.241822329	1.299597896

14748	CHAF1B	10	1	2.475382176	-4.102707111
14749	AP000695.2	18	1	-3.253029022	1.174864746
14750	SIM2	8	1	0.930499878	-0.020461075
14751	HLCS	9	1	-1.044355306	-0.200479351
14752	AP000704.1	12	1	-2.216230068	-2.361154519
14753	PIGP	2	1	3.382676688	1.325049318
14754	TTC3	3	1	0.913423505	4.70411662
14755	AP001432.1	7	1	2.651037303	-0.728267871
14756	VPS26C	11	1	1.028776672	-1.145537697
14757	DYRK1A	4	1	0.262672809	-1.26348456
14758	KCNJ15	17	1	-4.47252408	2.967407025
14759	ETS2	8	1	0.947910038	0.804961599
14760	PSMG1	2	1	4.189488497	-0.784458004
14761	BRWD1	1	1	-0.706059191	1.808455743
14762	HMG1	3	1	2.376308527	4.919966019
14763	WRB	2	1	3.438201037	0.739874787
14764	LCA5L	15	1	-3.941477689	-1.74534341
14765	SH3BGR	1	1	-2.567766818	1.352544226
14766	B3GALT5	15	1	-4.358325872	0.085534937
14767	B3GALT5-AS1	15	1	-4.703511629	-0.962933623
14768	BACE2	15	1	-4.038582715	-0.204123996
14769	MX2	18	1	-3.739345464	1.423070349
14770	MX1	15	1	-4.04001132	-0.184198223
14771	PRDM15	4	1	0.279903021	-1.460827433
14772	C2CD2	9	1	-0.349264595	0.129939608
14773	ZBTB21	1	1	-0.667522404	1.438016213
14774	ABCG1	1	1	-1.72984961	2.613862075
14775	SLC37A1	11	1	1.171282855	-0.460113906
14776	WDR4	7	1	3.794600812	-1.36738082
14777	NDUFV3	18	1	-3.577782068	1.678258337
14778	PKNOX1	5	1	1.973126259	-2.930308543
14779	CBS	9	1	-0.318361017	-0.160266362
14780	U2AF1	11	1	0.422986117	-0.803775154
14781	SIK1	1	1	-2.343316946	2.680215396
14782	HSF2BP	12	1	-3.351967487	-1.266683065
14783	RRP1B	7	1	3.78131589	-1.090742193
14784	PDXK	3	1	2.573216525	4.146287717
14785	CSTB	3	1	3.021201697	4.948704995
14786	RRP1	7	1	3.880872574	-1.295288407
14787	AGPAT3	7	1	1.752567497	-0.394693516
14788	TRAPPC10	6	1	-0.056945334	-2.966908418
14789	PWP2	18	1	-3.513930711	1.705984629
14790	GATD3A	18	1	-3.579619083	1.649757661

14791	PFKL	14	1	-0.602205488	3.463135995
14792	C21orf2	12	1	-3.330934915	-1.23971387
14793	LRRC3-DT	13	1	-2.486237201	0.107795305
14794	LRRC3	6	1	-1.548322591	-2.221498214
14795	UBE2G2	7	1	1.901191321	-0.410547637
14796	SUMO3	16	1	3.569048253	3.114486493
14797	PTTG1IP	3	1	1.568338242	4.023837365
14798	ITGB2	19	2	-7.353449258	0.213860579
14799	LINC01547	6	1	-1.431293878	-3.309157096
14800	FAM207A	2	1	4.058550921	1.19497589
14801	AP001505.1	9	1	-0.174579802	0.093837864
14802	ADARB1	14	1	-1.221472415	2.78054098
14803	POFUT2	14	1	-0.479347441	3.365281142
14804	BX322562.1	15	1	-3.592218313	-0.846672021
14805	COL18A1	18	1	-2.669007692	1.672529496
14806	SLC19A1	5	1	2.423171845	-2.903101407
14807	AJ011932.1	12	1	-2.773778352	-2.811575853
14808	COL6A1	3	1	0.845646706	4.456937589
14809	COL6A2	3	1	0.875330177	4.539801396
14810	FTCD	1	1	-1.1658012	1.529638685
14811	SPATC1L	2	1	4.023171034	1.048415817
14812	LSS	1	1	-1.604149613	0.768832661
14813	MCM3AP-AS	8	1	0.843992439	0.202470057
14814	MCM3AP	7	1	1.514472094	-0.837105595
14815	YBEY	13	1	-3.11846343	-0.421760284
14816	C21orf58	10	1	3.463548031	-3.796059333
14817	PCNT	10	1	3.561794606	-3.319071017
14818	DIP2A	8	1	-0.269649777	1.818027772
14819	PRMT2	3	1	1.657553163	4.129346408
14820	MT-ND1	3	1	2.87272295	4.264903106
14821	MT-ND2	3	1	3.014508572	4.137422599
14822	MT-CO1	3	1	2.55652937	4.494878091
14823	MT-CO2	3	1	2.838662234	4.273935355
14824	MT-ATP8	2	1	4.344062892	1.503299154
14825	MT-ATP6	3	1	2.830847111	4.281097688
14826	MT-CO3	3	1	2.765231457	4.316954411
14827	MT-ND3	3	1	2.130708066	4.683995522
14828	MT-ND4L	16	1	2.947762814	3.872125663
14829	MT-ND4	3	1	2.716006127	4.308406152
14830	MT-ND5	3	1	2.860467997	4.103483476
14831	MT-ND6	16	1	2.828020659	2.850176371
14832	MT-CYB	3	1	2.862046805	4.275202073
14833	AC011043.1	11	1	0.687152353	-0.2577435

14834	AL592183.1	8	1	-0.102886859	1.380928792
14835	AC004556.1	11	1	1.217872587	-0.63823589
14836	AC240274.1	6	1	-0.935568425	-2.944518529