

Rank	Gene	Relative Importance
1	NAG18	0.36000308
2	C19orf31	0.3523193
3	TMSB4X	0.35129923
4	UBC	0.3473719
5	ORC6L	0.33218265
6	SHC1	0.33168957
7	IMAA	0.31012365
8	PDE4C	0.29936185
9	GGA1	0.2884386
10	LOC643509	0.28700924
11	ITIH5	0.28060415
12	SLC44A4	0.27057645
13	ARPC2	0.25027302
14	UNC45A	0.24592486
15	C21orf55	0.23184118
16	GNAS	0.22336727
17	AIRE	0.22249596
18	AKR1D1	0.22170645
19	IFI27	0.21943754
20	C21orf24	0.2133718
21	HP	0.20034078
22	PSMD12	0.1986508
23	STK24	0.1945225
24	LOC389517	0.1934089
25	CLUAP1	0.18326026
26	SLC25A3	0.17765063
27	LOC642947	0.17544626
28	CDAN1	0.1738169
29	GJC1	0.17201358
30	SHCBP1	0.16924067
31	CLTB	0.16489618
32	SERPINB6	0.16406159
33	GPX1	0.16340104
34	GPR84	0.15685973
35	GYG1	0.15558413
36	FTHL7	0.15443394
37	DCTN3	0.15443048
38	SLC16A12	0.15199228
39	SPOP	0.14969622
40	C3orf60	0.14728656
41	RNF34	0.14381029
42	PTPN6	0.14245895
43	C19orf59	0.1424459

44	SEC24C	0.1422294
45	LOC653086	0.14027531
46	MEF2D	0.14002062
47	BSG	0.13842101
48	REPIN1	0.13461603
49	MGC16703	0.13395126
50	C21orf7	0.13240428
51	OPLAH	0.1320285
52	SDHALP1	0.12590906
53	HPCAL1	0.12447115
54	TRMT5	0.123148166
55	RNF7	0.121042304
56	BAX	0.121017456
57	SETD3	0.12072239
58	BAT1	0.11960507
59	TSPO	0.119106606
60	ATP5G2	0.11906991
61	LOC348840	0.11737968
62	HK1	0.11501848
63	PDGFC	0.11370359
64	KCTD14	0.113638535
65	LY6E	0.11203363
66	OTOF	0.1119267
67	HIST2H2AC	0.111916855
68	UBE2I	0.11154278
69	IGLL1	0.111129664
70	DBP	0.11064012
71	ETFB	0.108941466
72	GAK	0.108040236
73	IFI44L	0.10718108
74	DACH1	0.107014544
75	NIPA2	0.10655466
76	RAB32	0.10434535
77	ARHGEF7	0.103304826
78	NOV	0.10299446
79	KCNH6	0.10264436
80	ADAM19	0.10218227
81	METTL7B	0.0988765
82	OAS1	0.09824749
83	SMPDL3A	0.09812359
84	SIGLEC1	0.097839795
85	AXL	0.096493274
86	C11orf82	0.09599785
87	CBX7	0.093002334

88	FBXO18	0.09274768
89	UBE1	0.091729194
90	CETP	0.0902334
91	RETN	0.09000583
92	TDRD9	0.08988873
93	ZGPAT	0.08756204
94	LAIR1	0.087546796
95	LOC440731	0.086878896
96	CD177	0.086783536
97	SNRPD2	0.086659566
98	RALGDS	0.08628216
99	ZNF683	0.086189166
100	CMTM2	0.08575817
101	BRD9	0.08574692
102	ZNF93	0.08178329
103	LOC388524	0.08017059
104	GAS7	0.07972901
105	S100A9	0.07755867
106	FKTN	0.07747077
107	ARG1	0.073877275
108	NRCAM	0.07322396
109	OAS2	0.072644256
110	TRPT1	0.07261585
111	ATL3	0.072215825
112	IGF2BP3	0.07206646
113	VPS16	0.071506806
114	ATP9A	0.07123237
115	KIAA1715	0.07103308
116	GOLGA7	0.07089891
117	TTN	0.06993392
118	ZNF682	0.06962261
119	IFI44	0.06910725
120	LAP3	0.06888484
121	FBXW2	0.06858472
122	EPSTI1	0.067888916
123	IRAK3	0.067868665
124	PQBP1	0.06613518
125	IFIT1	0.06607831
126	RPL8	0.065098025
127	CLEC5A	0.06485633
128	CDKN2AIPNL	0.06479295
129	C1QB	0.064703956
130	XAF1	0.06433807
131	SLC25A40	0.064074226

132	PPM1G	0.063343875
133	S100A4	0.062042013
134	MYL6	0.060847137
135	EIF6	0.06046572
136	FCGR1A	0.060414094
137	ANXA3	0.06001897
138	EIF3EIP	0.05935297
139	ANKRD22	0.058531307
140	RSAD2	0.05846795
141	SASH1	0.05812941
142	RAB36	0.058035623
143	SERPINB8	0.057630725
144	LOC26010	0.057589702
145	CMPK2	0.05750871
146	SLC4A5	0.05742742
147	CNOT1	0.057288013
148	GPR68	0.056929003
149	ALOX5	0.05672244
150	SLC2A3	0.056622308
151	PECR	0.05610668
152	IFI6	0.056087203
153	TMCO3	0.055846985
154	KREMEN1	0.05581532
155	ZDHHC19	0.055333257
156	EXOC7	0.055151504
157	SERPINB2	0.054429106
158	FCER1A	0.054373633
159	CCNDBP1	0.054334566
160	S100A12	0.05378089
161	IFIT3	0.053605434
162	SDHC	0.052901067
163	OMG	0.052420404
164	KIF3C	0.052370567
165	OAS3	0.05196094
166	PARP12	0.051566053
167	PARP9	0.05136812
168	LTA4H	0.051184792
169	GSTO1	0.05102667
170	HIST2H2AA3	0.050872713
171	TSPAN2	0.05064133
172	FLJ40142	0.05053511
173	PYGL	0.050156865
174	UBE2D3	0.049754173
175	IFIT2	0.049716905

176	PGS1	0.04952723
177	OSTalpha	0.049272887
178	HERC6	0.04918275
179	PAPSS1	0.0491819
180	IFIH1	0.04864303
181	DDX60	0.048078366
182	EIF4G1	0.048073087
183	SLC26A8	0.048071604
184	CS	0.048036903
185	CACNA1E	0.04798284
186	MX1	0.047832467
187	EIF2AK2	0.04756019
188	HSD3B7	0.04741451
189	PRDX5	0.047298238
190	EBI3	0.046638787
191	PHACTR4	0.046597432
192	DGUOK	0.046274602
193	IFITM3	0.045938693
194	P2RY14	0.04571856
195	SPCS2	0.04562912
196	FBXW11	0.04526848
197	IL8RBP	0.04501242
198	TSPAN32	0.04475396
199	CD44	0.044386595
200	IRF1	0.044127077
201	KIAA0101	0.043876085
202	NARF	0.04384761
203	ISG15	0.043664597
204	LMNB1	0.04334844
205	JUP	0.04292621
206	CACNG6	0.042668294
207	KIAA1160	0.04246677
208	SCARB2	0.042229626
209	TMEM16K	0.04210661
210	TCTN1	0.041925825
211	C14orf24	0.04183002
212	HERC5	0.04143305
213	IL1R2	0.041266758
214	MMD	0.041259322
215	ANAPC11	0.04124464
216	FYN	0.041107263
217	TLR7	0.040889826
218	CDC45L	0.040885188
219	IRF9	0.04081344

220	FCGR1B	0.040668793
221	LOC728744	0.040385537
222	CDK5RAP2	0.040112764
223	AGTPBP1	0.040101286
224	BPI	0.040086
225	PKM2	0.040026613
226	C5orf20	0.039875235
227	CERK	0.03957352
228	RCP9	0.039536376
229	DHRS7	0.039242722
230	ARID1A	0.039190896
231	KLHL22	0.03889985
232	SAPS2	0.0388262
233	SIGLEC9	0.038496323
234	CD163	0.038401812
235	HCFC1R1	0.03839096
236	ZDHHC16	0.038269605
237	SDPR	0.038172346
238	Septin.4	0.038076635
239	CBARA1	0.038003325
240	HIST1H2BD	0.037916653
241	NEXN	0.037851162
242	MMP8	0.037637953
243	VNN1	0.037182435
244	C1QC	0.03709862
245	CMTM1	0.037069988
246	MLSTD1	0.036816534
247	F2R	0.03665748
248	H2AFJ	0.03661465
249	FAM101B	0.03633061
250	PLSCR1	0.035979547
251	LOC728441	0.0357906
252	PLP2	0.035742246
253	SAMD9L	0.03563979
254	CCL8	0.035568275
255	ORAI2	0.03551344
256	LOC653559	0.035476644
257	MSH3	0.03540973
258	FAM20A	0.035292216
259	CA4	0.035242576
260	C20orf3	0.035205614
261	C14orf159	0.035145827
262	S100P	0.035079915
263	CCR3	0.035034046

264	UPP1	0.034975
265	GPR141	0.034788582
266	PSMB8	0.034709852
267	CD86	0.034673624
268	PRTN3	0.034537785
269	ITGB1	0.03428868
270	MPO	0.034207653
271	OIP5	0.034120988
272	RPS6KA5	0.034102175
273	HLA.DPA1	0.034094654
274	MGST1	0.034066692
275	FLJ22662	0.034025516
276	TLR5	0.033981156
277	RGL4	0.03383904
278	LACTB	0.033714093
279	MT1G	0.03371337
280	NSL1	0.033321723
281	BATF	0.033241685
282	TP53I3	0.033119198
283	PSMB9	0.033075266
284	CDCA5	0.032887366
285	TSC22D1	0.032678824
286	H1FO	0.03254214
287	C10orf33	0.032509536
288	HHEX	0.032507274
289	MGC10997	0.032076325
290	GALNT14	0.031892877
291	IER3	0.031679064
292	GLTSCR2	0.031581916
293	CCDC109A	0.031521752
294	DRAM	0.031505045
295	BLOC1S1	0.031479836
296	TCN2	0.03145601
297	PRSS33	0.03144762
298	PLA2G4B	0.03137265
299	SRPK1	0.031351607
300	MPZL2	0.031233622
301	THBS3	0.031097477
302	EMR4	0.031070545
303	PGRMC1	0.03103493
304	LYSMD2	0.030973768
305	PRAM1	0.030967968
306	LOC389816	0.03091637
307	CLC	0.030880367

308	IRF7	0.030707663
309	COL17A1	0.030538576
310	ZNF137	0.030521601
311	E2F2	0.03049022
312	HIST2H2BE	0.03045658
313	NLRP1	0.030358952
314	IL18R1	0.030356418
315	SLC31A1	0.030258885
316	PID1	0.030247077
317	IL18BP	0.03011915
318	SLC35A2	0.030115383
319	NCALD	0.029813858
320	C3AR1	0.029741887
321	GBP1	0.029734308
322	OASL	0.029708428
323	EMR2	0.029691834
324	SIGLEC10	0.029690385
325	LRPAP1	0.02967732
326	TGFBR2	0.029576197
327	EMR3	0.029517708
328	PSMD4	0.029485539
329	ADORA2A	0.029425591
330	CCPG1	0.029344184
331	NCR3	0.029272322
332	CACNA2D3	0.029246345
333	TOP2A	0.029242111
334	KCNG1	0.029209536
335	SEPHS2	0.029182533
336	RAC1	0.029155375
337	ZBTB4	0.029132035
338	OLFM4	0.02911899
339	BMX	0.029091803
340	PTAFR	0.029088318
341	STAT1	0.029047672
342	C5orf32	0.028895138
343	SIGLECP3	0.028879438
344	UPB1	0.028376482
345	WSB2	0.028249376
346	KIAA0232	0.0281506
347	GGTLC2	0.02812858
348	CECR1	0.02812028
349	UBE2L6	0.028068477
350	CCNA2	0.0280577
351	MS4A4A	0.02802227

352	C15orf52	0.027944464
353	SAT1	0.027867937
354	PSCD1	0.027861869
355	ZBTB40	0.027806828
356	LTB4DH	0.027765336
357	MOBK12C	0.027673133
358	SPG7	0.027668742
359	MLLT6	0.02755398
360	DCTN2	0.027541725
361	ZBP1	0.027502295
362	GRB10	0.027416307
363	BAMBI	0.027353311
364	NDRG2	0.027271764
365	PACSIN1	0.027198061
366	BTN3A1	0.027136222
367	PRMT1	0.027122578
368	NSF	0.027054587
369	GINS2	0.02685083
370	STAMBP	0.026813498
371	LGALS3BP	0.026758075
372	LOH11CR2A	0.026719376
373	MXD4	0.026660439
374	LCN2	0.026637275
375	HSPBAP1	0.0265069
376	LOC728888	0.026506526
377	AMPH	0.026485957
378	NUSAP1	0.026440397
379	QRICH1	0.026361642
380	LGALS1	0.026347285
381	SLC26A11	0.026259165
382	ROGDI	0.026216175
383	SLC28A3	0.026120897
384	FCRL3	0.026109297
385	MAFB	0.025990954
386	GNG11	0.025919583
387	FLJ14213	0.025898416
388	KCNE1	0.02579158
389	UHRF1	0.025766678
390	P2RY8	0.025692089
391	DHX58	0.025647523
392	PLA2G7	0.025603427
393	ULK1	0.025590014
394	CTSD	0.025573341
395	SMARCD3	0.025505623

396	SELM	0.025504442
397	TYSND1	0.025468757
398	RAB37	0.025436476
399	LSM12	0.025390042
400	TPM4	0.025360866
401	GPBAR1	0.02526577
402	CUL1	0.025257826
403	HESX1	0.025162661
404	HSH2D	0.02511207
405	PLAC8	0.025100749
406	NDFIP2	0.0250864
407	EDNRB	0.025080856
408	CDC25B	0.025075257
409	VNN2	0.024867853
410	IL10RA	0.024832418
411	DPEP2	0.024824485
412	SIRPA	0.0247768
413	SQRDL	0.02476799
414	NLRC4	0.02475926
415	MGC29891	0.024746414
416	OGDH	0.024651393
417	CD63	0.024599146
418	MAN2B1	0.024592722
419	FGD2	0.024556074
420	PHF15	0.024533138
421	ADORA2B	0.024493862
422	FAM89A	0.024468986
423	LDHA	0.024371512
424	PDE4B	0.02436791
425	LOC130074	0.024326416
426	BAG5	0.02430322
427	RTN1	0.024294546
428	HDC	0.024256615
429	CLDN23	0.024244353
430	SP110	0.02421337
431	BACE2	0.024177311
432	IFI35	0.024171788
433	ACRBP	0.024105852
434	CKAP2L	0.024044825
435	CREB5	0.02399869
436	UBE2C	0.023960182
437	RAE1	0.023900956
438	CEACAM6	0.02387171
439	OLIG2	0.023705333

440	C9orf103	0.023701884
441	LAMP3	0.023656545
442	PTP4A3	0.023652451
443	EMR1	0.023595864
444	STAT2	0.02358888
445	GIMAP8	0.0235688
446	EEF1G	0.023494313
447	RUNX1	0.023392284
448	LOC648984	0.023344677
449	SULF2	0.023344545
450	CCNY	0.023247374
451	NQO2	0.023225736
452	TNK2	0.023212634
453	ADHFE1	0.023201043
454	LST1	0.023191262
455	GPSM2	0.023146255
456	MGAM	0.02313107
457	TYMS	0.023127886
458	METTL9	0.023119207
459	EDG4	0.02309999
460	RBBP6	0.023069656
461	FOXO3	0.022980511
462	ALOX15	0.022891793
463	SYT11	0.022874562
464	SH2D1B	0.022748875
465	CDK9	0.022735093
466	RASSF2	0.022714538
467	BCKDHA	0.022696938
468	C10orf10	0.02266069
469	CYB5R1	0.02260699
470	MAPK1	0.022584261
471	RIN2	0.022571808
472	RARA	0.022565318
473	MTHFD2	0.022561872
474	IFITM1	0.022504993
475	ADM	0.022462646
476	RHOC	0.022443818
477	CCDC56	0.022439562
478	LAPTM4B	0.02239458
479	DBNDD1	0.022388348
480	DEFA1	0.022380149
481	PHF1	0.022316735
482	ZNF185	0.022307046
483	CST7	0.02229904

484	MMP9	0.02222009
485	NAPRT1	0.022210669
486	HIST1H2BK	0.022202134
487	C20orf160	0.022178745
488	GAS6	0.022155203
489	HBXIP	0.022142716
490	C2orf18	0.022016643
491	KIAA0241	0.022001315
492	S100A8	0.021984177
493	IFNAR2	0.021941833
494	FOLR3	0.021935163
495	ELA2	0.021843072
496	LOC388969	0.021834154
497	DERA	0.021804798
498	CCL23	0.021798918
499	CYB5D2	0.021784848
500	GLS	0.021780184
501	TRAF1	0.02173578
502	MT1A	0.021666951
503	MED24	0.021650983
504	RNASE2	0.021634838
505	ALDH1A1	0.021608798
506	BMP6	0.021588076
507	ODC1	0.021530231
508	PLOD2	0.02151555
509	PLEKHA2	0.021472314
510	CDKN1A	0.021460438
511	DEF8	0.021458587
512	PNPLA1	0.0214518
513	PGLYRP1	0.021417955
514	SELP	0.021295
515	FEN1	0.021187518
516	SLPI	0.021176096
517	ARIH2	0.021153342
518	HK3	0.021114334
519	HIST1H4H	0.021113811
520	HPSE	0.021099743
521	EOMES	0.02105936
522	TRIM56	0.021029089
523	DEFA3	0.020974876
524	DEFA4	0.020938734
525	TAP1	0.020932104
526	ASH2L	0.02081357
527	PHCA	0.020741675

528	CD160	0.020733064
529	IMPA2	0.020730449
530	MMRN1	0.020722533
531	CCL5	0.020702122
532	MS4A3	0.020700378
533	KIAA1602	0.020682925
534	ADPRHL2	0.020677224
535	ACSL5	0.020669052
536	LFNG	0.020588497
537	C2	0.020553833
538	PGK1	0.020504497
539	SCRG1	0.02050159
540	LOC729776	0.02049552
541	SERPINB1	0.020386754
542	TAP2	0.020355921
543	CTSG	0.02031441
544	SERPING1	0.02026096
545	PPP2R4	0.02022494
546	PHTF1	0.020207427
547	TREML1	0.020172521
548	MT2A	0.020142818
549	ARL4A	0.020139668
550	NOMO2	0.02012099
551	CD2	0.020113902
552	DHCR7	0.02008388
553	MCM10	0.020073675
554	KLF4	0.020064138
555	EIF2C1	0.020028686
556	DDAH2	0.020000152
557	CST3	0.01998688
558	MELK	0.019966882
559	ALDH4A1	0.01996395
560	TRAPPC2	0.01996133
561	ZBTB48	0.019936897
562	SGSM2	0.01991187
563	YTHDC1	0.019891279
564	CLIP1	0.01984664
565	CLEC1B	0.019837521
566	IL1B	0.019825848
567	FLJ11286	0.01978219
568	P2RX1	0.019768542
569	SCO2	0.019747376
570	SPPL2A	0.019740261
571	PIM3	0.019618174

572	IFITM4P	0.019576231
573	GPR44	0.019568408
574	C14orf85	0.019534012
575	ROPN1L	0.01952392
576	SCAP	0.019508915
577	SLC22A4	0.019502837
578	C16orf7	0.019487511
579	GZMB	0.019479705
580	CNNM3	0.0194427
581	RTP4	0.019412305
582	MAFG	0.019377388
583	NAMPT	0.019325823
584	HIST2H2AB	0.019199995
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595	FBL	0.019019676
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599	ZDHHC14	0.018951733
600	LOC649150	0.018929424
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603	CEACAM8	0.018903904
604	RUNDC3A	0.018867668
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608	LOC728358	0.018835666
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622	GIMAP4	0.018277934
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625	EMILIN2	0.018193543
626	TMC6	0.018154025
627	SH3GLB1	0.018151646
628	C11orf51	0.01812179
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634	INTS7	0.01802978
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650	PPM1F	0.017630858
651	MT1E	0.017608412
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655	PDGFD	0.017546464
656	SULT1B1	0.017529396
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659	CAV2	0.017469993

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661	NR3C2	0.017434055
662	CDC20	0.01739643
663	LOC116236	0.017383153
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665	MTL5	0.01732682
666	PLTP	0.017324345
667	AKT1	0.017323947
668	DAAM2	0.017323153
669	CXCL16	0.017286004
670	KIF2C	0.017280523
671	SPOCK2	0.017230138
672	GGT1	0.0171889
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674	DNASE2	0.017168844
675	TXNDC17	0.017159684
676	GTF3C6	0.017155942
677	CD247	0.017146787
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679	BIRC5	0.017125526
680	FLJ20674	0.017123537
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683	PLD3	0.01708175
684	CCL2	0.017079432
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703	KPNB1	0.016797818

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709	RNF216	0.016609855
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795	EPN2	0.015033911
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797	SDHD	0.014987564
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812	NFKBIZ	0.0147312
813	LOC651309	0.014725514
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859	LOC653874	0.014032519
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1115	XPNPEP3	0.01052742
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1139	PLEKHA9	0.010284564
1140	HMMR	0.01024456
1141	GSN	0.010233641
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1143	KIF11	0.010228545

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1147	HMGA1	0.010178953
1148	NDUFS5	0.010172631
1149	TRIP6	0.010133943
1150	ENY2	0.010125286
1151	PSD4	0.010114933
1152	PICALM	0.010099857
1153	LILRA5	0.010077616
1154	C20orf20	0.010063808
1155	NUFIP2	0.01005537
1156	MSRB3	0.010047778
1157	ATG16L1	0.010044058
1158	SFRS7	0.010039318
1159	IREB2	0.010035864
1160	CPSF2	0.010020252
1161	TMEM32	0.010011863
1162	GPR114	0.00999616
1163	RAB27A	0.009993166
1164	NPC1	0.009992271
1165	ATXN1	0.009963345
1166	DHX33	0.00994299
1167	APOL6	0.009919581
1168	RABGEF1	0.009908965
1169	CYBRD1	0.00989575
1170	YY1AP1	0.009894546
1171	CDK5RAP3	0.00988984
1172	WDR57	0.009878377
1173	KIAA0182	0.009860393
1174	BICD2	0.009850672
1175	PPM1H	0.009824904
1176	C11orf2	0.009810955
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1178	LILRA6	0.009760801
1179	HIST1H2AM	0.009749029
1180	KIAA0355	0.009734105
1181	PSMD5	0.009726184
1182	CYFIP2	0.009702235
1183	C1orf63	0.009696186
1184	CSNK1E	0.009620887
1185	GPR109A	0.009596605
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1187	LGALS9	0.009557037

1188	NLRP12	0.009552894
1189	LOC728734	0.009523504
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1193	NIPA1	0.00949253
1194	GTF2IRD2B	0.009446656
1195	BAZ1B	0.009429066
1196	ZNF684	0.00941415
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1198	THYN1	0.009372008
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1202	WBSCR22	0.009288691
1203	TNFAIP8L3	0.00926352
1204	DUSP5	0.009262597
1205	LRRC37B	0.009246489
1206	MGC4677	0.009243102
1207	GALM	0.009218612
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1219	LOC441124	0.009038731
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1252	FBXO30	0.008494517
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1262	TNFSF10	0.008246884
1263	LOC653381	0.008204727
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1333	SEC24A	0.006915167
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1335	Septin.2	0.006898051
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1338	LOC650739	0.006817977
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1348	TOR1AIP1	0.006609555
1349	LOC648249	0.006564074
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1482	PTPN7	0.002899387
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