

Monotonic descending pattern genes with DE≤4

	<u>Ensembl Gene ID</u>	<u>Gene Names</u>	<u>DE</u>	<u>p.value</u>	<u>q.value</u>	<u>SVDE</u>
1	ENSG00000100994	PYGB	0	0	0	0
2	ENSG00000144136	SLC20A1	0	0	0	0
3	ENSG00000168288	MMADHC	0	0	0	0
4	ENSG00000184661	CDCA2	0	0	0	0
5	ENSG00000198805	PNP	0	0	0	0
6	ENSG00000143549	TPM3	0	0	0	0.01
7	ENSG00000171552	BCL2L1	0	0	0	0.06
8	ENSG00000110955	ATP5F1B	0	0	0	0.08
9	ENSG00000100462	PRMT5	0	0	0	0.14
10	ENSG00000135046	ANXA1	0	0	0	0.15
11	ENSG00000115053	NCL	0	0	0	0.16
12	ENSG00000148773	MKI67	0	0	0	0.19
13	ENSG00000178773	CPNE7	0	0	0	0.29
14	ENSG00000188064	WNT7B	0	0	0	0.31
15	ENSG00000150753	CCT5	0	0	0	0.4
16	ENSG00000175592	FOSL1	0	0	0	0.4
17	ENSG00000181163	NPM1	0	0	0	0.4
18	ENSG00000140525	FANCI	0	0	0	0.48
19	ENSG00000102312	PORCN	0	0	0	0.56
20	ENSG00000123473	STIL	0	0	0	0.61
21	ENSG00000175166	PSMD2	0	0	0	0.74
22	ENSG00000165678	GHITM	0	0	0	0.79
23	ENSG00000139289	PHLDA1	0	0	0	0.8
24	ENSG00000150630	VEGFC	0	0	0	2.46
25	ENSG00000100034	PPM1F	1	6.38E-07	8.70E-05	0
26	ENSG00000137309	HMGA1	1	6.38E-07	8.70E-05	0
27	ENSG00000159131	GART	1	6.38E-07	8.70E-05	0
28	ENSG00000203760	CENPW	1	6.38E-07	8.70E-05	0.03
29	ENSG00000198901	PRC1	1	6.38E-07	8.70E-05	0.07
30	ENSG00000124191	TOX2	1	6.38E-07	8.70E-05	0.08
31	ENSG00000197467	COL13A1	1	6.38E-07	8.70E-05	0.08
32	ENSG00000071539	TRIP13	1	6.38E-07	8.70E-05	0.09
33	ENSG00000089685	BIRC5	1	6.38E-07	8.70E-05	0.09
34	ENSG00000118785	SPP1	1	6.38E-07	8.70E-05	0.09
35	ENSG00000111206	FOXM1	1	6.38E-07	8.70E-05	0.11
36	ENSG00000119714	GPR68	1	6.38E-07	8.70E-05	0.11
37	ENSG00000166803	PCLAF	1	6.38E-07	8.70E-05	0.11
38	ENSG00000135472	FAIM2	1	6.38E-07	8.70E-05	0.12
39	ENSG00000196878	LAMB3	1	6.38E-07	8.70E-05	0.12
40	ENSG00000100739	BDKRB1	1	6.38E-07	8.70E-05	0.13
41	ENSG00000110092	CCND1	1	6.38E-07	8.70E-05	0.13
42	ENSG00000113368	LMNB1	1	6.38E-07	8.70E-05	0.15
43	ENSG00000196497	IPO4	1	6.38E-07	8.70E-05	0.16
44	ENSG00000088325	TPX2	1	6.38E-07	8.70E-05	0.17
45	ENSG00000184232	OAF	1	6.38E-07	8.70E-05	0.17
46	ENSG00000258947	TUBB3	1	6.38E-07	8.70E-05	0.18
47	ENSG00000198826	ARHGAP11A	1	6.38E-07	8.70E-05	0.21
48	ENSG00000133195	SLC39A11	1	6.38E-07	8.70E-05	0.22
49	ENSG00000183856	IQGAP3	1	6.38E-07	8.70E-05	0.22
50	ENSG00000107984	DKK1	1	6.38E-07	8.70E-05	0.25
51	ENSG00000165733	BMS1	1	6.38E-07	8.70E-05	0.25
52	ENSG00000171241	SHCBP1	1	6.38E-07	8.70E-05	0.26
53	ENSG00000137812	KNL1	1	6.38E-07	8.70E-05	0.27
54	ENSG00000125912	NCLN	1	6.38E-07	8.70E-05	0.29
55	ENSG00000132780	NASP	1	6.38E-07	8.70E-05	0.29
56	ENSG00000119392	GLE1	1	6.38E-07	8.70E-05	0.31
57	ENSG00000109917	ZPR1	1	6.38E-07	8.70E-05	0.32
58	ENSG00000186185	KIF18B	1	6.38E-07	8.70E-05	0.32
59	ENSG00000214114	MYCBP	1	6.38E-07	8.70E-05	0.33
60	ENSG00000138162	TACC2	1	6.38E-07	8.70E-05	0.34
61	ENSG00000143228	NUF2	1	6.38E-07	8.70E-05	0.35
62	ENSG00000187522	HSPA14	1	6.38E-07	8.70E-05	0.35
63	ENSG00000100526	CDKN3	1	6.38E-07	8.70E-05	0.38
64	ENSG00000068438	FTS1	1	6.38E-07	8.70E-05	0.4
65	ENSG00000131467	PSME3	1	6.38E-07	8.70E-05	0.4
66	ENSG00000109511	ANXA10	1	6.38E-07	8.70E-05	0.41
67	ENSG00000138279	ANXA7	1	6.38E-07	8.70E-05	0.41
68	ENSG00000090889	KIF4A	1	6.38E-07	8.70E-05	0.42
69	ENSG00000104824	HNRNPL	1	6.38E-07	8.70E-05	0.42
70	ENSG00000142945	KIF2C	1	6.38E-07	8.70E-05	0.46
71	ENSG00000144381	HSPD1	1	6.38E-07	8.70E-05	0.46
72	ENSG00000122966	CIT	1	6.38E-07	8.70E-05	0.47
73	ENSG00000149554	CHEK1	1	6.38E-07	8.70E-05	0.47
74	ENSG00000101447	FAM83D	1	6.38E-07	8.70E-05	0.48
75	ENSG00000089159	PXN	1	6.38E-07	8.70E-05	0.49
76	ENSG00000085063	CD59	1	6.38E-07	8.70E-05	0.5
77	ENSG00000144063	MALL	1	6.38E-07	8.70E-05	0.5
78	ENSG00000008394	MGST1	1	6.38E-07	8.70E-05	0.51
79	ENSG00000271303	SRXN1	1	6.38E-07	8.70E-05	0.51
80	ENSG00000026508	CD44	1	6.38E-07	8.70E-05	0.52
81	ENSG00000114738	MAPKAPK3	1	6.38E-07	8.70E-05	0.53
82	ENSG00000055044	NOP58	1	6.38E-07	8.70E-05	0.55
83	ENSG00000092853	CLSPN	1	6.38E-07	8.70E-05	0.55
84	ENSG00000099783	HNRNPM	1	6.38E-07	8.70E-05	0.55
85	ENSG00000106089	STX1A	1	6.38E-07	8.70E-05	0.6
86	ENSG00000131747	TOP2A	1	6.38E-07	8.70E-05	0.63
87	ENSG00000175426	PCSK1	1	6.38E-07	8.70E-05	0.63
88	ENSG00000181751	C5orf30	1	6.38E-07	8.70E-05	0.63
89	ENSG00000132436	FIGL1	1	6.38E-07	8.70E-05	0.64
90	ENSG00000065328	MCM10	1	6.38E-07	8.70E-05	0.65
91	ENSG00000072571	HMMR	1	6.38E-07	8.70E-05	0.65

92	ENSG00000146410	<i>MTFR2</i>	1	6.38E-07	8.70E-05	0.65
93	ENSG00000181019	<i>NQO1</i>	1	6.38E-07	8.70E-05	0.66
94	ENSG00000198768	<i>APCDD1L</i>	1	6.38E-07	8.70E-05	0.66
95	ENSG00000163468	<i>CCT3</i>	1	6.38E-07	8.70E-05	0.73
96	ENSG00000166881	<i>NEMP1</i>	1	6.38E-07	8.70E-05	0.74
97	ENSG00000093009	<i>CDC45</i>	1	6.38E-07	8.70E-05	0.8
98	ENSG00000143127	<i>ITGA10</i>	1	6.38E-07	8.70E-05	0.82
99	ENSG00000109805	<i>NCAPG</i>	1	6.38E-07	8.70E-05	0.98
100	ENSG00000153044	<i>CENPH</i>	1	6.38E-07	8.70E-05	0.98
101	ENSG00000024526	<i>DEPDC1</i>	1	6.38E-07	8.70E-05	1.01
102	ENSG00000164038	<i>SLC9B2</i>	1	6.38E-07	8.70E-05	1.03
103	ENSG00000135476	<i>ESPL1</i>	1	6.38E-07	8.70E-05	1.06
104	ENSG00000103522	<i>IL21R</i>	1	6.38E-07	8.70E-05	1.07
105	ENSG00000277161	<i>PIGW</i>	1	6.38E-07	8.70E-05	1.07
106	ENSG00000013016	<i>EHD3</i>	1	6.38E-07	8.70E-05	1.09
107	ENSG00000102172	<i>SMS</i>	1	6.38E-07	8.70E-05	1.09
108	ENSG00000164032	<i>H2AFZ</i>	1	6.38E-07	8.70E-05	1.18
109	ENSG00000087586	<i>AURKA</i>	1	6.38E-07	8.70E-05	1.41
110	ENSG00000119777	<i>TMEM214</i>	1	6.38E-07	8.70E-05	1.45
111	ENSG00000122952	<i>ZWINT</i>	1	6.38E-07	8.70E-05	1.61
112	ENSG00000176890	<i>TYMS</i>	1	6.38E-07	8.70E-05	1.97
113	ENSG00000158402	<i>CDC25C</i>	1	6.38E-07	8.70E-05	2.14
114	ENSG00000108671	<i>PSMD11</i>	1	6.38E-07	8.70E-05	3.15
115	ENSG00000013297	<i>CLDN11</i>	2	7.66E-06	0.000364742	0
116	ENSG00000107959	<i>PITRM1</i>	2	7.66E-06	0.000364742	0
117	ENSG00000110090	<i>CPT1A</i>	2	7.66E-06	0.000364742	0
118	ENSG00000113643	<i>RARS</i>	2	7.66E-06	0.000364742	0
119	ENSG00000163584	<i>RPL22L1</i>	2	7.66E-06	0.000364742	0
120	ENSG00000121579	<i>NAA50</i>	2	7.66E-06	0.000364742	0.01
121	ENSG00000143387	<i>CTSK</i>	2	7.66E-06	0.000364742	0.01
122	ENSG00000172115	<i>CYCS</i>	2	7.66E-06	0.000364742	0.02
123	ENSG00000113013	<i>HSPA9</i>	2	7.66E-06	0.000364742	0.03
124	ENSG00000125968	<i>ID1</i>	2	7.66E-06	0.000364742	0.03
125	ENSG00000008083	<i>JARID2</i>	2	7.66E-06	0.000364742	0.04
126	ENSG00000033011	<i>ALG1</i>	2	7.66E-06	0.000364742	0.05
127	ENSG00000171488	<i>LRRRC8C</i>	2	7.66E-06	0.000364742	0.06
128	ENSG00000256235	<i>SMIM3</i>	2	7.66E-06	0.000364742	0.06
129	ENSG00000011426	<i>ANLN</i>	2	7.66E-06	0.000364742	0.07
130	ENSG00000057608	<i>GD12</i>	2	7.66E-06	0.000364742	0.07
131	ENSG00000138134	<i>STAMBPL1</i>	2	7.66E-06	0.000364742	0.07
132	ENSG00000152234	<i>ATP5F1A</i>	2	7.66E-06	0.000364742	0.07
133	ENSG00000101367	<i>MAPRE1</i>	2	7.66E-06	0.000364742	0.09
134	ENSG00000119139	<i>TJP2</i>	2	7.66E-06	0.000364742	0.09
135	ENSG00000148680	<i>HTR7</i>	2	7.66E-06	0.000364742	0.09
136	ENSG00000172009	<i>THOP1</i>	2	7.66E-06	0.000364742	0.09
137	ENSG00000111667	<i>USP5</i>	2	7.66E-06	0.000364742	0.1
138	ENSG00000107937	<i>GTPBP4</i>	2	7.66E-06	0.000364742	0.11
139	ENSG00000110330	<i>BIRC2</i>	2	7.66E-06	0.000364742	0.12
140	ENSG00000115884	<i>SDC1</i>	2	7.66E-06	0.000364742	0.12
141	ENSG00000117724	<i>CENPF</i>	2	7.66E-06	0.000364742	0.12
142	ENSG00000075218	<i>GTSE1</i>	2	7.66E-06	0.000364742	0.13
143	ENSG00000152253	<i>SPC25</i>	2	7.66E-06	0.000364742	0.13
144	ENSG00000058729	<i>RIOK2</i>	2	7.66E-06	0.000364742	0.14
145	ENSG00000120948	<i>TARDBP</i>	2	7.66E-06	0.000364742	0.14
146	ENSG00000170522	<i>ELOVL6</i>	2	7.66E-06	0.000364742	0.14
147	ENSG00000165244	<i>ZNF367</i>	2	7.66E-06	0.000364742	0.15
148	ENSG00000244405	<i>ETV5</i>	2	7.66E-06	0.000364742	0.15
149	ENSG00000142634	<i>EFHD2</i>	2	7.66E-06	0.000364742	0.16
150	ENSG00000173418	<i>NAA20</i>	2	7.66E-06	0.000364742	0.16
151	ENSG00000186193	<i>SAPCD2</i>	2	7.66E-06	0.000364742	0.16
152	ENSG00000104738	<i>MCM4</i>	2	7.66E-06	0.000364742	0.17
153	ENSG00000138376	<i>BARD1</i>	2	7.66E-06	0.000364742	0.17
154	ENSG00000147536	<i>GINS4</i>	2	7.66E-06	0.000364742	0.17
155	ENSG00000115233	<i>PSMD14</i>	2	7.66E-06	0.000364742	0.18
156	ENSG00000137310	<i>TCF19</i>	2	7.66E-06	0.000364742	0.19
157	ENSG00000138182	<i>KIF20B</i>	2	7.66E-06	0.000364742	0.19
158	ENSG00000139618	<i>RBCA2</i>	2	7.66E-06	0.000364742	0.19
159	ENSG00000168078	<i>PBK</i>	2	7.66E-06	0.000364742	0.2
160	ENSG00000071054	<i>MAP4K4</i>	2	7.66E-06	0.000364742	0.21
161	ENSG00000109919	<i>MTCH2</i>	2	7.66E-06	0.000364742	0.21
162	ENSG00000102359	<i>SRPX2</i>	2	7.66E-06	0.000364742	0.22
163	ENSG00000119969	<i>HELLS</i>	2	7.66E-06	0.000364742	0.22
164	ENSG00000184254	<i>ALDH1A3</i>	2	7.66E-06	0.000364742	0.22
165	ENSG00000135451	<i>TROAP</i>	2	7.66E-06	0.000364742	0.23
166	ENSG00000166451	<i>CENPN</i>	2	7.66E-06	0.000364742	0.23
167	ENSG00000167900	<i>TK1</i>	2	7.66E-06	0.000364742	0.23
168	ENSG00000100297	<i>MCM5</i>	2	7.66E-06	0.000364742	0.25
169	ENSG00000123485	<i>HJURP</i>	2	7.66E-06	0.000364742	0.26
170	ENSG00000125871	<i>MGME1</i>	2	7.66E-06	0.000364742	0.26
171	ENSG00000183715	<i>OPCML</i>	2	7.66E-06	0.000364742	0.26
172	ENSG00000165480	<i>SKA3</i>	2	7.66E-06	0.000364742	0.27
173	ENSG00000213551	<i>DNAJC9</i>	2	7.66E-06	0.000364742	0.27
174	ENSG00000122566	<i>HNRNPA2B1</i>	2	7.66E-06	0.000364742	0.28
175	ENSG00000135486	<i>HNRNPA1</i>	2	7.66E-06	0.000364742	0.29
176	ENSG00000137364	<i>TPMT</i>	2	7.66E-06	0.000364742	0.29
177	ENSG00000169679	<i>BUB1</i>	2	7.66E-06	0.000364742	0.29
178	ENSG00000104368	<i>PLAT</i>	2	7.66E-06	0.000364742	0.3
179	ENSG00000144959	<i>NCEH1</i>	2	7.66E-06	0.000364742	0.3
180	ENSG00000151725	<i>CENPU</i>	2	7.66E-06	0.000364742	0.3
181	ENSG00000154839	<i>SKA1</i>	2	7.66E-06	0.000364742	0.3
182	ENSG00000169436	<i>COL22A1</i>	2	7.66E-06	0.000364742	0.3
183	ENSG00000189001	<i>SBSN</i>	2	7.66E-06	0.000364742	0.3
184	ENSG00000138018	<i>SELENOI</i>	2	7.66E-06	0.000364742	0.31
185	ENSG00000164985	<i>PSIP1</i>	2	7.66E-06	0.000364742	0.31

186	ENSG00000116120	FARSB	2	7.66E-06	0.000364742	0.32
187	ENSG00000137807	KIF23	2	7.66E-06	0.000364742	0.32
188	ENSG00000165490	DDIAS	2	7.66E-06	0.000364742	0.32
189	ENSG00000104691	UBXN8	2	7.66E-06	0.000364742	0.33
190	ENSG00000196460	RFX8	2	7.66E-06	0.000364742	0.33
191	ENSG00000162746	FCRLB	2	7.66E-06	0.000364742	0.34
192	ENSG00000171723	GPHN	2	7.66E-06	0.000364742	0.34
193	ENSG00000173085	COQ2	2	7.66E-06	0.000364742	0.34
194	ENSG00000174442	ZWILCH	2	7.66E-06	0.000364742	0.34
195	ENSG00000117399	CDC20	2	7.66E-06	0.000364742	0.35
196	ENSG00000169258	GPRIN1	2	7.66E-06	0.000364742	0.35
197	ENSG00000186871	ERCC6L	2	7.66E-06	0.000364742	0.35
198	ENSG00000089006	SNX5	2	7.66E-06	0.000364742	0.36
199	ENSG00000100065	CARD10	2	7.66E-06	0.000364742	0.36
200	ENSG00000115840	SLC25A12	2	7.66E-06	0.000364742	0.36
201	ENSG00000136108	CKAP2	2	7.66E-06	0.000364742	0.36
202	ENSG00000154027	AK5	2	7.66E-06	0.000364742	0.36
203	ENSG00000167670	CHAF1A	2	7.66E-06	0.000364742	0.36
204	ENSG00000168917	SLC35G2	2	7.66E-06	0.000364742	0.36
205	ENSG00000237649	KIFC1	2	7.66E-06	0.000364742	0.36
206	ENSG00000073150	PANX2	2	7.66E-06	0.000364742	0.37
207	ENSG00000084090	STARD7	2	7.66E-06	0.000364742	0.37
208	ENSG00000092199	HNRNPC	2	7.66E-06	0.000364742	0.37
209	ENSG00000114251	WNT5A	2	7.66E-06	0.000364742	0.37
210	ENSG00000136045	PWP1	2	7.66E-06	0.000364742	0.37
211	ENSG00000166825	ANPEP	2	7.66E-06	0.000364742	0.37
212	ENSG00000167325	RRM1	2	7.66E-06	0.000364742	0.37
213	ENSG00000176692	FOXC2	2	7.66E-06	0.000364742	0.37
214	ENSG00000137821	LRRC49	2	7.66E-06	0.000364742	0.38
215	ENSG00000139318	DUSP6	2	7.66E-06	0.000364742	0.38
216	ENSG00000171848	RRM2	2	7.66E-06	0.000364742	0.38
217	ENSG00000129195	PIMREG	2	7.66E-06	0.000364742	0.4
218	ENSG00000076382	SPAG5	2	7.66E-06	0.000364742	0.41
219	ENSG00000101266	CSNK2A1	2	7.66E-06	0.000364742	0.41
220	ENSG00000104341	LAPTM4B	2	7.66E-06	0.000364742	0.41
221	ENSG00000105825	TFPI2	2	7.66E-06	0.000364742	0.41
222	ENSG00000174371	EXO1	2	7.66E-06	0.000364742	0.41
223	ENSG00000108010	GLRX3	2	7.66E-06	0.000364742	0.42
224	ENSG00000129055	ANAPC13	2	7.66E-06	0.000364742	0.43
225	ENSG00000137804	NUSAP1	2	7.66E-06	0.000364742	0.43
226	ENSG00000170606	HSPA4	2	7.66E-06	0.000364742	0.43
227	ENSG00000058866	DGKG	2	7.66E-06	0.000364742	0.44
228	ENSG00000117650	NEK2	2	7.66E-06	0.000364742	0.44
229	ENSG00000148672	GLUD1	2	7.66E-06	0.000364742	0.44
230	ENSG00000165280	VCP	2	7.66E-06	0.000364742	0.44
231	ENSG00000051341	POLQ	2	7.66E-06	0.000364742	0.45
232	ENSG00000134308	YWHAQ	2	7.66E-06	0.000364742	0.45
233	ENSG00000156970	TUBB1B	2	7.66E-06	0.000364742	0.45
234	ENSG00000167553	TUBA1C	2	7.66E-06	0.000364742	0.45
235	ENSG00000103018	CYB5B	2	7.66E-06	0.000364742	0.46
236	ENSG00000115363	EVA1A	2	7.66E-06	0.000364742	0.46
237	ENSG00000164109	MAD2L1	2	7.66E-06	0.000364742	0.46
238	ENSG00000187678	SPRY4	2	7.66E-06	0.000364742	0.46
239	ENSG00000040275	SPDL1	2	7.66E-06	0.000364742	0.47
240	ENSG00000160957	RECQL4	2	7.66E-06	0.000364742	0.47
241	ENSG00000128567	PODXL	2	7.66E-06	0.000364742	0.48
242	ENSG00000166851	PLK1	2	7.66E-06	0.000364742	0.48
243	ENSG00000105011	ASF1B	2	7.66E-06	0.000364742	0.49
244	ENSG00000157456	CENB2	2	7.66E-06	0.000364742	0.49
245	ENSG00000170312	CDK1	2	7.66E-06	0.000364742	0.49
246	ENSG00000276043	UHRF1	2	7.66E-06	0.000364742	0.5
247	ENSG00000134001	EIF2S1	2	7.66E-06	0.000364742	0.51
248	ENSG00000184178	SCFD2	2	7.66E-06	0.000364742	0.51
249	ENSG00000081059	TCF7	2	7.66E-06	0.000364742	0.52
250	ENSG00000147010	SH3BP1	2	7.66E-06	0.000364742	0.52
251	ENSG00000165304	MELK	2	7.66E-06	0.000364742	0.52
252	ENSG00000111247	RAD51AP1	2	7.66E-06	0.000364742	0.53
253	ENSG00000171208	NETO2	2	7.66E-06	0.000364742	0.54
254	ENSG00000066279	ASPM	2	7.66E-06	0.000364742	0.56
255	ENSG00000170779	CDCA4	2	7.66E-06	0.000364742	0.56
256	ENSG00000173692	PSMD1	2	7.66E-06	0.000364742	0.56
257	ENSG00000106853	PTGR1	2	7.66E-06	0.000364742	0.57
258	ENSG00000139842	CUL4A	2	7.66E-06	0.000364742	0.57
259	ENSG00000168496	FEN1	2	7.66E-06	0.000364742	0.57
260	ENSG00000169607	CKAP2L	2	7.66E-06	0.000364742	0.57
261	ENSG00000182871	COL18A1	2	7.66E-06	0.000364742	0.57
262	ENSG00000136122	BORA	2	7.66E-06	0.000364742	0.58
263	ENSG00000144583	MARCHF4	2	7.66E-06	0.000364742	0.58
264	ENSG00000101003	GINS1	2	7.66E-06	0.000364742	0.59
265	ENSG00000134057	CCNB1	2	7.66E-06	0.000364742	0.59
266	ENSG00000029993	HMGB3	2	7.66E-06	0.000364742	0.6
267	ENSG00000115648	MLPH	2	7.66E-06	0.000364742	0.6
268	ENSG00000138160	KIF11	2	7.66E-06	0.000364742	0.6
269	ENSG00000175063	UBE2C	2	7.66E-06	0.000364742	0.6
270	ENSG00000112984	KIF20A	2	7.66E-06	0.000364742	0.61
271	ENSG00000154127	UBASH3B	2	7.66E-06	0.000364742	0.61
272	ENSG00000169908	TM4SF1	2	7.66E-06	0.000364742	0.61
273	ENSG00000013810	TACC3	2	7.66E-06	0.000364742	0.64
274	ENSG00000165891	E2F7	2	7.66E-06	0.000364742	0.64
275	ENSG00000118193	KIF14	2	7.66E-06	0.000364742	0.65
276	ENSG00000148843	PDCD11	2	7.66E-06	0.000364742	0.7
277	ENSG00000163938	GNL3	2	7.66E-06	0.000364742	0.7
278	ENSG00000073111	MCM2	2	7.66E-06	0.000364742	0.71
279	ENSG00000130038	CRACR2A	2	7.66E-06	0.000364742	0.71

280	ENSG00000121211	MND1	2	7.66E-06	0.000364742	0.72
281	ENSG00000101057	MYBL2	2	7.66E-06	0.000364742	0.73
282	ENSG00000104365	IKKB	2	7.66E-06	0.000364742	0.73
283	ENSG00000161800	RACGAP1	2	7.66E-06	0.000364742	0.74
284	ENSG00000108829	LRRC59	2	7.66E-06	0.000364742	0.76
285	ENSG00000079246	XRCC5	2	7.66E-06	0.000364742	0.77
286	ENSG00000128944	KNSTRN	2	7.66E-06	0.000364742	0.77
287	ENSG00000054356	PTPRN	2	7.66E-06	0.000364742	0.8
288	ENSG00000111665	CDCA3	2	7.66E-06	0.000364742	0.8
289	ENSG00000135316	SYNCRIP	2	7.66E-06	0.000364742	0.8
290	ENSG00000182481	KPNA2	2	7.66E-06	0.000364742	0.8
291	ENSG00000156261	CCT8	2	7.66E-06	0.000364742	0.86
292	ENSG00000184445	KNTC1	2	7.66E-06	0.000364742	0.86
293	ENSG000000261652	C15orf65	2	7.66E-06	0.000364742	0.86
294	ENSG00000100280	AP1B1	2	7.66E-06	0.000364742	0.92
295	ENSG00000125166	GOT2	2	7.66E-06	0.000364742	0.94
296	ENSG00000228716	DHFR	2	7.66E-06	0.000364742	0.94
297	ENSG00000126787	DLGAP5	2	7.66E-06	0.000364742	0.99
298	ENSG00000115687	PASK	2	7.66E-06	0.000364742	1
299	ENSG00000101412	E2F1	2	7.66E-06	0.000364742	1.02
300	ENSG00000102572	STK24	2	7.66E-06	0.000364742	1.02
301	ENSG00000115325	DOK1	2	7.66E-06	0.000364742	1.06
302	ENSG00000225968	ELFN1	2	7.66E-06	0.000364742	1.08
303	ENSG00000128973	CLN6	2	7.66E-06	0.000364742	1.09
304	ENSG00000163507	CIP2A	2	7.66E-06	0.000364742	1.09
305	ENSG00000204899	MZT1	2	7.66E-06	0.000364742	1.13
306	ENSG00000123975	CKS2	2	7.66E-06	0.000364742	1.15
307	ENSG00000154920	EME1	2	7.66E-06	0.000364742	1.21
308	ENSG00000130669	PAK4	2	7.66E-06	0.000364742	1.23
309	ENSG00000163535	SGO2	2	7.66E-06	0.000364742	1.27
310	ENSG00000067533	RRP15	2	7.66E-06	0.000364742	1.3
311	ENSG00000164611	PTTG1	2	7.66E-06	0.000364742	1.37
312	ENSG00000146670	CDCA5	2	7.66E-06	0.000364742	1.49
313	ENSG00000115165	CYTIP	2	7.66E-06	0.000364742	1.52
314	ENSG00000114405	C3orf14	2	7.66E-06	0.000364742	1.64
315	ENSG00000166801	FAM111A	2	7.66E-06	0.000364742	1.71
316	ENSG00000106477	CEP41	2	7.66E-06	0.000364742	1.74
317	ENSG00000162063	CCNF	2	7.66E-06	0.000364742	2.01
318	ENSG00000120694	HSPH1	2	7.66E-06	0.000364742	2.15
319	ENSG00000075188	NUP37	2	7.66E-06	0.000364742	4.3
320	ENSG00000079462	PAFAH1B3	3	0.000116806	0.002904762	0
321	ENSG00000131738	KRT33B	3	0.000116806	0.002904762	0
322	ENSG00000132429	POPDC3	3	0.000116806	0.002904762	0
323	ENSG00000137776	SLTM	3	0.000116806	0.002904762	0
324	ENSG00000142731	PLK4	3	0.000116806	0.002904762	0
325	ENSG00000187957	DNER	3	0.000116806	0.002904762	0
326	ENSG00000196141	SPATS2L	3	0.000116806	0.002904762	0
327	ENSG00000241258	CRCP	3	0.000116806	0.002904762	0
328	ENSG00000103342	GSPT1	3	0.000116806	0.002904762	0.01
329	ENSG00000113739	STC2	3	0.000116806	0.002904762	0.01
330	ENSG00000135052	GOLM1	3	0.000116806	0.002904762	0.01
331	ENSG00000136518	ACTL6A	3	0.000116806	0.002904762	0.01
332	ENSG00000140905	GCSH	3	0.000116806	0.002904762	0.01
333	ENSG00000172819	RARG	3	0.000116806	0.002904762	0.01
334	ENSG00000184368	MAP7D2	3	0.000116806	0.002904762	0.01
335	ENSG00000065548	ZC3H15	3	0.000116806	0.002904762	0.02
336	ENSG00000069849	ATP1B3	3	0.000116806	0.002904762	0.02
337	ENSG00000126581	BECN1	3	0.000116806	0.002904762	0.02
338	ENSG00000140406	TLNRD1	3	0.000116806	0.002904762	0.02
339	ENSG00000188342	FTF2F2	3	0.000116806	0.002904762	0.02
340	ENSG00000204427	ABHD16A	3	0.000116806	0.002904762	0.02
341	ENSG00000170270	GON7	3	0.000116806	0.002904762	0.03
342	ENSG00000096384	HSP90AB1	3	0.000116806	0.002904762	0.04
343	ENSG00000105323	HNRNPUL1	3	0.000116806	0.002904762	0.04
344	ENSG00000159147	DONSON	3	0.000116806	0.002904762	0.04
345	ENSG00000115844	DLX2	3	0.000116806	0.002904762	0.05
346	ENSG00000142864	SERBP1	3	0.000116806	0.002904762	0.06
347	ENSG00000185414	MRPL30	3	0.000116806	0.002904762	0.06
348	ENSG00000100418	DES1	3	0.000116806	0.002904762	0.08
349	ENSG00000104356	POP1	3	0.000116806	0.002904762	0.08
350	ENSG00000175110	MRPS22	3	0.000116806	0.002904762	0.08
351	ENSG00000125398	SOX9	3	0.000116806	0.002904762	0.09
352	ENSG00000130052	STARD8	3	0.000116806	0.002904762	0.09
353	ENSG00000178878	APOLD1	3	0.000116806	0.002904762	0.09
354	ENSG00000053900	ANAPC4	3	0.000116806	0.002904762	0.1
355	ENSG00000109685	NSD2	3	0.000116806	0.002904762	0.1
356	ENSG00000118939	UCLH3	3	0.000116806	0.002904762	0.1
357	ENSG00000127948	POR	3	0.000116806	0.002904762	0.1
358	ENSG00000204520	MICA	3	0.000116806	0.002904762	0.1
359	ENSG00000004866	ST7	3	0.000116806	0.002904762	0.11
360	ENSG00000100519	PSMCG	3	0.000116806	0.002904762	0.11
361	ENSG00000135723	FHOD1	3	0.000116806	0.002904762	0.11
362	ENSG00000149503	INCENP	3	0.000116806	0.002904762	0.11
363	ENSG00000196550	FAM72A	3	0.000116806	0.002904762	0.11
364	ENSG00000173848	NET1	3	0.000116806	0.002904762	0.12
365	ENSG00000125885	MCM8	3	0.000116806	0.002904762	0.13
366	ENSG00000100522	GNPNAT1	3	0.000116806	0.002904762	0.15
367	ENSG00000146918	NCAPG2	3	0.000116806	0.002904762	0.15
368	ENSG00000149480	MTA2	3	0.000116806	0.002904762	0.16
369	ENSG00000160072	ATAD3B	3	0.000116806	0.002904762	0.16
370	ENSG00000166401	SERPINB8	3	0.000116806	0.002904762	0.16
371	ENSG00000206053	JPT2	3	0.000116806	0.002904762	0.16
372	ENSG00000278259	MYO19	3	0.000116806	0.002904762	0.16
373	ENSG00000177663	IL17RA	3	0.000116806	0.002904762	0.17

374	ENSG00000086827	ZW10	3	0.000116806	0.002904762	0.18
375	ENSG00000154328	NEIL2	3	0.000116806	0.002904762	0.18
376	ENSG00000032389	EIPR1	3	0.000116806	0.002904762	0.2
377	ENSG00000107554	DNMBP	3	0.000116806	0.002904762	0.2
378	ENSG00000155959	VBP1	3	0.000116806	0.002904762	0.2
379	ENSG00000197299	BLM	3	0.000116806	0.002904762	0.2
380	ENSG00000111231	GNP3	3	0.000116806	0.002904762	0.21
381	ENSG00000114850	SSR3	3	0.000116806	0.002904762	0.21
382	ENSG00000160211	G6PD	3	0.000116806	0.002904762	0.21
383	ENSG00000173674	E1F1AX	3	0.000116806	0.002904762	0.22
384	ENSG00000177426	TGIF1	3	0.000116806	0.002904762	0.22
385	ENSG00000204267	TAP2	3	0.000116806	0.002904762	0.22
386	ENSG00000122565	CBX3	3	0.000116806	0.002904762	0.23
387	ENSG00000166813	KIF7	3	0.000116806	0.002904762	0.24
388	ENSG00000185480	PARBP	3	0.000116806	0.002904762	0.24
389	ENSG00000012048	BRCA1	3	0.000116806	0.002904762	0.25
390	ENSG00000107611	CUBN	3	0.000116806	0.002904762	0.25
391	ENSG00000164087	POC1A	3	0.000116806	0.002904762	0.25
392	ENSG00000176102	CSTF3	3	0.000116806	0.002904762	0.25
393	ENSG00000094916	CBX5	3	0.000116806	0.002904762	0.26
394	ENSG00000111142	METAP2	3	0.000116806	0.002904762	0.26
395	ENSG00000111252	SH2B3	3	0.000116806	0.002904762	0.26
396	ENSG00000136699	SMPD4	3	0.000116806	0.002904762	0.26
397	ENSG00000108883	EFTUD2	3	0.000116806	0.002904762	0.27
398	ENSG00000123416	TUBA1B	3	0.000116806	0.002904762	0.27
399	ENSG00000134287	ARF3	3	0.000116806	0.002904762	0.28
400	ENSG00000164024	METAP1	3	0.000116806	0.002904762	0.28
401	ENSG00000271605	MILR1	3	0.000116806	0.002904762	0.28
402	ENSG00000064393	HIPK2	3	0.000116806	0.002904762	0.29
403	ENSG00000145386	CCNA2	3	0.000116806	0.002904762	0.29
404	ENSG00000162607	USP1	3	0.000116806	0.002904762	0.29
405	ENSG00000164045	CDC25A	3	0.000116806	0.002904762	0.29
406	ENSG00000177542	SLC25A22	3	0.000116806	0.002904762	0.29
407	ENSG00000121390	PSPC1	3	0.000116806	0.002904762	0.3
408	ENSG00000177731	FLII	3	0.000116806	0.002904762	0.3
409	ENSG00000278535	DHRS11	3	0.000116806	0.002904762	0.3
410	ENSG00000074527	NTN4	3	0.000116806	0.002904762	0.31
411	ENSG00000092470	WDR76	3	0.000116806	0.002904762	0.31
412	ENSG00000160877	NACC1	3	0.000116806	0.002904762	0.31
413	ENSG00000054282	SDCCAG8	3	0.000116806	0.002904762	0.32
414	ENSG00000164934	DCAF13	3	0.000116806	0.002904762	0.32
415	ENSG00000088826	SMOX	3	0.000116806	0.002904762	0.33
416	ENSG00000092201	SUPT16H	3	0.000116806	0.002904762	0.33
417	ENSG00000136897	MRPL50	3	0.000116806	0.002904762	0.33
418	ENSG00000184007	PTP4A2	3	0.000116806	0.002904762	0.33
419	ENSG00000188976	NOC2L	3	0.000116806	0.002904762	0.33
420	ENSG00000041802	LSG1	3	0.000116806	0.002904762	0.34
421	ENSG00000100749	VRK1	3	0.000116806	0.002904762	0.34
422	ENSG00000112118	MCM3	3	0.000116806	0.002904762	0.34
423	ENSG00000112742	TTK	3	0.000116806	0.002904762	0.34
424	ENSG00000123219	CENPK	3	0.000116806	0.002904762	0.34
425	ENSG00000145337	PYURF	3	0.000116806	0.002904762	0.34
426	ENSG00000175352	NRIP3	3	0.000116806	0.002904762	0.34
427	ENSG00000014216	CAPN1	3	0.000116806	0.002904762	0.35
428	ENSG00000028116	VRK2	3	0.000116806	0.002904762	0.35
429	ENSG00000133119	RFC3	3	0.000116806	0.002904762	0.35
430	ENSG00000166562	SEC11C	3	0.000116806	0.002904762	0.35
431	ENSG00000188610	FAM72B	3	0.000116806	0.002904762	0.35
432	ENSG00000138430	OLA1	3	0.000116806	0.002904762	0.36
433	ENSG00000147100	SLC16A2	3	0.000116806	0.002904762	0.36
434	ENSG00000150551	LYPD1	3	0.000116806	0.002904762	0.36
435	ENSG00000166913	YWHAB	3	0.000116806	0.002904762	0.36
436	ENSG00000243725	TTC4	3	0.000116806	0.002904762	0.36
437	ENSG00000107949	BCCIP	3	0.000116806	0.002904762	0.37
438	ENSG00000108511	HOXB6	3	0.000116806	0.002904762	0.37
439	ENSG00000143476	DTL	3	0.000116806	0.002904762	0.37
440	ENSG00000149262	INTS4	3	0.000116806	0.002904762	0.37
441	ENSG00000176619	LMNB2	3	0.000116806	0.002904762	0.37
442	ENSG00000273841	TAF9	3	0.000116806	0.002904762	0.37
443	ENSG00000080824	HSP90AA1	3	0.000116806	0.002904762	0.38
444	ENSG00000157111	TMEM171	3	0.000116806	0.002904762	0.38
445	ENSG00000164924	YWHAZ	3	0.000116806	0.002904762	0.38
446	ENSG00000175792	RUVBL1	3	0.000116806	0.002904762	0.38
447	ENSG00000189057	FAM111B	3	0.000116806	0.002904762	0.38
448	ENSG00000059691	GATB	3	0.000116806	0.002904762	0.39
449	ENSG00000075702	WDR62	3	0.000116806	0.002904762	0.39
450	ENSG00000100479	POLE2	3	0.000116806	0.002904762	0.39
451	ENSG00000175643	RMI2	3	0.000116806	0.002904762	0.39
452	ENSG00000091140	DLD	3	0.000116806	0.002904762	0.4
453	ENSG00000091483	FH	3	0.000116806	0.002904762	0.4
454	ENSG00000125319	C17orf53	3	0.000116806	0.002904762	0.4
455	ENSG00000127920	GNG11	3	0.000116806	0.002904762	0.4
456	ENSG00000128606	LRRC17	3	0.000116806	0.002904762	0.4
457	ENSG00000135047	CTSL	3	0.000116806	0.002904762	0.4
458	ENSG00000166197	NOLC1	3	0.000116806	0.002904762	0.41
459	ENSG00000121621	KIF18A	3	0.000116806	0.002904762	0.42
460	ENSG00000130340	SNX9	3	0.000116806	0.002904762	0.42
461	ENSG00000162618	ADGRL4	3	0.000116806	0.002904762	0.42
462	ENSG00000187699	C2orf88	3	0.000116806	0.002904762	0.42
463	ENSG00000066117	SMARCD1	3	0.000116806	0.002904762	0.43
464	ENSG00000100813	ACIN1	3	0.000116806	0.002904762	0.44
465	ENSG00000159055	MIS18A	3	0.000116806	0.002904762	0.44
466	ENSG00000198331	HYLS1	3	0.000116806	0.002904762	0.44
467	ENSG00000177479	ARIH2	3	0.000116806	0.002904762	0.45

468	ENSG00000043143	JADE2	3	0.000116806	0.002904762	0.46
469	ENSG00000061794	MRPS35	3	0.000116806	0.002904762	0.46
470	ENSG00000101945	SUV39H1	3	0.000116806	0.002904762	0.46
471	ENSG00000109332	UBE2D3	3	0.000116806	0.002904762	0.46
472	ENSG00000125347	IRF1	3	0.000116806	0.002904762	0.46
473	ENSG00000139620	KANSL2	3	0.000116806	0.002904762	0.47
474	ENSG00000228672	PROB1	3	0.000116806	0.002904762	0.47
475	ENSG00000235162	C12orf75	3	0.000116806	0.002904762	0.47
476	ENSG00000174238	PITPNA	3	0.000116806	0.002904762	0.48
477	ENSG00000103326	CAPN15	3	0.000116806	0.002904762	0.49
478	ENSG00000134690	CDCA8	3	0.000116806	0.002904762	0.49
479	ENSG00000162959	MEMO1	3	0.000116806	0.002904762	0.49
480	ENSG00000196155	PLEKHG4	3	0.000116806	0.002904762	0.49
481	ENSG00000086189	DIMT1	3	0.000116806	0.002904762	0.5
482	ENSG00000087263	OGFOD1	3	0.000116806	0.002904762	0.5
483	ENSG00000142002	DPP9	3	0.000116806	0.002904762	0.5
484	ENSG00000142230	SAE1	3	0.000116806	0.002904762	0.5
485	ENSG00000147419	CCDC25	3	0.000116806	0.002904762	0.5
486	ENSG00000101638	ST8SIA5	3	0.000116806	0.002904762	0.51
487	ENSG00000115163	CENPA	3	0.000116806	0.002904762	0.51
488	ENSG00000124126	PREX1	3	0.000116806	0.002904762	0.51
489	ENSG00000058056	USP13	3	0.000116806	0.002904762	0.52
490	ENSG00000197451	HNRNPAB	3	0.000116806	0.002904762	0.52
491	ENSG00000205208	C4orf46	3	0.000116806	0.002904762	0.52
492	ENSG00000212724	KRTAP2-3	3	0.000116806	0.002904762	0.52
493	ENSG00000284969	n_a	3	0.000116806	0.002904762	0.52
494	ENSG00000101868	POLA1	3	0.000116806	0.002904762	0.53
495	ENSG00000157193	LRP8	3	0.000116806	0.002904762	0.53
496	ENSG00000168273	SMIM4	3	0.000116806	0.002904762	0.53
497	ENSG00000182585	EPGN	3	0.000116806	0.002904762	0.53
498	ENSG00000141349	G6PC3	3	0.000116806	0.002904762	0.54
499	ENSG00000176170	n_a	3	0.000116806	0.002904762	0.54
500	ENSG00000058804	NDG1	3	0.000116806	0.002904762	0.55
501	ENSG00000130638	ATXN10	3	0.000116806	0.002904762	0.55
502	ENSG00000137868	STRA6	3	0.000116806	0.002904762	0.55
503	ENSG00000110031	LPXN	3	0.000116806	0.002904762	0.56
504	ENSG00000116761	CTH	3	0.000116806	0.002904762	0.56
505	ENSG00000154473	BUB3	3	0.000116806	0.002904762	0.56
506	ENSG00000204394	VARS	3	0.000116806	0.002904762	0.56
507	ENSG00000047634	SCML1	3	0.000116806	0.002904762	0.57
508	ENSG00000083099	LYRM2	3	0.000116806	0.002904762	0.57
509	ENSG00000112541	PDE10A	3	0.000116806	0.002904762	0.57
510	ENSG00000124207	CSE1L	3	0.000116806	0.002904762	0.57
511	ENSG00000138092	CENPO	3	0.000116806	0.002904762	0.57
512	ENSG00000187688	TRPV2	3	0.000116806	0.002904762	0.57
513	ENSG00000262655	SPON1	3	0.000116806	0.002904762	0.57
514	ENSG00000093217	XYLB	3	0.000116806	0.002904762	0.58
515	ENSG00000114346	ECT2	3	0.000116806	0.002904762	0.58
516	ENSG00000135318	NTSE	3	0.000116806	0.002904762	0.58
517	ENSG00000221944	TIGD1	3	0.000116806	0.002904762	0.58
518	ENSG00000079785	DDX1	3	0.000116806	0.002904762	0.59
519	ENSG00000080573	COL5A3	3	0.000116806	0.002904762	0.59
520	ENSG00000115758	ODC1	3	0.000116806	0.002904762	0.59
521	ENSG00000130826	DKC1	3	0.000116806	0.002904762	0.59
522	ENSG00000117593	DARS2	3	0.000116806	0.002904762	0.6
523	ENSG00000130985	UBA1	3	0.000116806	0.002904762	0.6
524	ENSG00000161204	ABCF3	3	0.000116806	0.002904762	0.6
525	ENSG00000183814	LIN9	3	0.000116806	0.002904762	0.6
526	ENSG00000065150	IPO5	3	0.000116806	0.002904762	0.61
527	ENSG00000123178	SPRYD7	3	0.000116806	0.002904762	0.61
528	ENSG00000152784	PRDM8	3	0.000116806	0.002904762	0.61
529	ENSG00000173153	ESRRA	3	0.000116806	0.002904762	0.61
530	ENSG00000214357	NEURL1B	3	0.000116806	0.002904762	0.61
531	ENSG00000010292	NCAPD2	3	0.000116806	0.002904762	0.62
532	ENSG00000091651	ORC6	3	0.000116806	0.002904762	0.62
533	ENSG00000166226	CCT2	3	0.000116806	0.002904762	0.62
534	ENSG00000077721	UBE2A	3	0.000116806	0.002904762	0.63
535	ENSG00000011304	PTBP1	3	0.000116806	0.002904762	0.64
536	ENSG00000081051	AFP	3	0.000116806	0.002904762	0.64
537	ENSG00000104907	TRMT1	3	0.000116806	0.002904762	0.64
538	ENSG00000167513	CDT1	3	0.000116806	0.002904762	0.64
539	ENSG00000095319	NUP188	3	0.000116806	0.002904762	0.65
540	ENSG00000105486	LIG1	3	0.000116806	0.002904762	0.65
541	ENSG00000133134	BEX2	3	0.000116806	0.002904762	0.65
542	ENSG00000139354	GAS2L3	3	0.000116806	0.002904762	0.65
543	ENSG00000065923	SLC9A7	3	0.000116806	0.002904762	0.66
544	ENSG00000090061	CCNK	3	0.000116806	0.002904762	0.66
545	ENSG00000110274	CEP164	3	0.000116806	0.002904762	0.66
546	ENSG00000140740	UQCRC2	3	0.000116806	0.002904762	0.66
547	ENSG00000057252	SOAT1	3	0.000116806	0.002904762	0.67
548	ENSG00000127586	CHTF18	3	0.000116806	0.002904762	0.67
549	ENSG00000149948	HMGGA2	3	0.000116806	0.002904762	0.68
550	ENSG00000145907	G3BP1	3	0.000116806	0.002904762	0.69
551	ENSG00000100664	EIF5	3	0.000116806	0.002904762	0.7
552	ENSG00000138180	CEP55	3	0.000116806	0.002904762	0.7
553	ENSG00000164283	ESM1	3	0.000116806	0.002904762	0.7
554	ENSG00000103995	CEP152	3	0.000116806	0.002904762	0.71
555	ENSG00000145833	DDX46	3	0.000116806	0.002904762	0.71
556	ENSG00000108691	CCL2	3	0.000116806	0.002904762	0.73
557	ENSG00000146731	CCT6A	3	0.000116806	0.002904762	0.73
558	ENSG00000131462	TUBG1	3	0.000116806	0.002904762	0.74
559	ENSG00000148634	HERC4	3	0.000116806	0.002904762	0.74
560	ENSG00000154319	FAM167A	3	0.000116806	0.002904762	0.74
561	ENSG00000197046	SIGLEC15	3	0.000116806	0.002904762	0.74

562	ENSG00000057019	DCBLD2	3	0.000116806	0.002904762	0.75
563	ENSG00000111058	ACSS3	3	0.000116806	0.002904762	0.75
564	ENSG00000115290	GRB14	3	0.000116806	0.002904762	0.75
565	ENSG00000130270	ATP8B3	3	0.000116806	0.002904762	0.75
566	ENSG00000138778	CENPE	3	0.000116806	0.002904762	0.75
567	ENSG00000161888	SPC24	3	0.000116806	0.002904762	0.76
568	ENSG00000106462	EZH2	3	0.000116806	0.002904762	0.78
569	ENSG00000164318	EGFLAM	3	0.000116806	0.002904762	0.78
570	ENSG00000198824	CHAMP1	3	0.000116806	0.002904762	0.78
571	ENSG00000079435	LIPE	3	0.000116806	0.002904762	0.79
572	ENSG00000144040	SFXN5	3	0.000116806	0.002904762	0.8
573	ENSG00000164543	STK17A	3	0.000116806	0.002904762	0.8
574	ENSG00000211460	TSN	3	0.000116806	0.002904762	0.8
575	ENSG00000154928	EPHB1	3	0.000116806	0.002904762	0.83
576	ENSG00000078618	NRDC	3	0.000116806	0.002904762	0.87
577	ENSG00000121152	NCAPH	3	0.000116806	0.002904762	0.87
578	ENSG00000136875	PRPF4	3	0.000116806	0.002904762	0.91
579	ENSG00000138035	PNPT1	3	0.000116806	0.002904762	0.92
580	ENSG00000144554	FANCD2	3	0.000116806	0.002904762	0.94
581	ENSG00000104147	OIP5	3	0.000116806	0.002904762	0.97
582	ENSG00000197208	SLC22A4	3	0.000116806	0.002904762	0.97
583	ENSG00000132603	NIP7	3	0.000116806	0.002904762	0.99
584	ENSG00000170144	HNRNPA3	3	0.000116806	0.002904762	1.02
585	ENSG00000109084	TMEM97	3	0.000116806	0.002904762	1.06
586	ENSG00000176834	VSIG10	3	0.000116806	0.002904762	1.07
587	ENSG00000117632	STMN1	3	0.000116806	0.002904762	1.09
588	ENSG00000070950	RAD18	3	0.000116806	0.002904762	1.1
589	ENSG00000138678	GPAT3	3	0.000116806	0.002904762	1.11
590	ENSG00000178726	THBD	3	0.000116806	0.002904762	1.12
591	ENSG00000136114	THSD1	3	0.000116806	0.002904762	1.14
592	ENSG00000051180	RAD51	3	0.000116806	0.002904762	1.2
593	ENSG00000094804	CDC6	3	0.000116806	0.002904762	1.23
594	ENSG00000142867	BCL10	3	0.000116806	0.002904762	1.23
595	ENSG00000180730	SHISA2	3	0.000116806	0.002904762	1.24
596	ENSG00000118777	ABCG2	3	0.000116806	0.002904762	1.38
597	ENSG00000133216	EPHB2	3	0.000116806	0.002904762	1.47
598	ENSG00000144034	TPRKB	3	0.000116806	0.002904762	1.47
599	ENSG00000058085	LAMC2	3	0.000116806	0.002904762	1.53
600	ENSG00000185862	EVI2B	3	0.000116806	0.002904762	1.57
601	ENSG00000144118	RALB	3	0.000116806	0.002904762	1.67
602	ENSG00000163376	KBTBD8	3	0.000116806	0.002904762	1.75
603	ENSG00000140105	WARS	3	0.000116806	0.002904762	1.83
604	ENSG00000197594	ENPP1	3	0.000116806	0.002904762	1.88
605	ENSG00000161381	PLXDC1	3	0.000116806	0.002904762	1.96
606	ENSG00000197632	SERPINB2	3	0.000116806	0.002904762	1.96
607	ENSG00000006468	ETV1	3	0.000116806	0.002904762	2.04
608	ENSG00000160886	LY6K	3	0.000116806	0.002904762	2.05
609	ENSG00000181195	PENK	3	0.000116806	0.002904762	2.3
610	ENSG00000121289	CEP89	3	0.000116806	0.002904762	2.45
611	ENSG00000064419	TNPO3	4	0.001232527	0.017830102	0
612	ENSG00000082153	BZW1	4	0.001232527	0.017830102	0
613	ENSG00000101019	UQC1	4	0.001232527	0.017830102	0
614	ENSG00000109606	DHX15	4	0.001232527	0.017830102	0
615	ENSG00000115875	SRSF7	4	0.001232527	0.017830102	0
616	ENSG00000116459	ATP5PB	4	0.001232527	0.017830102	0
617	ENSG00000129810	SGO1	4	0.001232527	0.017830102	0
618	ENSG00000134186	PRPF38B	4	0.001232527	0.017830102	0
619	ENSG00000138675	FGF5	4	0.001232527	0.017830102	0
620	ENSG00000138698	RAP1GDS1	4	0.001232527	0.017830102	0
621	ENSG00000143816	WNT9A	4	0.001232527	0.017830102	0
622	ENSG00000144355	DLX1	4	0.001232527	0.017830102	0
623	ENSG00000154736	ADAMTSS	4	0.001232527	0.017830102	0
624	ENSG00000167491	GATAD2A	4	0.001232527	0.017830102	0
625	ENSG00000174791	RIN1	4	0.001232527	0.017830102	0
626	ENSG00000175505	CLCF1	4	0.001232527	0.017830102	0
627	ENSG00000175573	C11orf68	4	0.001232527	0.017830102	0
628	ENSG00000187555	USP7	4	0.001232527	0.017830102	0
629	ENSG00000196678	ER12	4	0.001232527	0.017830102	0
630	ENSG00000197142	ACSL5	4	0.001232527	0.017830102	0
631	ENSG00000198763	MT-ND2	4	0.001232527	0.017830102	0
632	ENSG00000205683	DPF3	4	0.001232527	0.017830102	0
633	ENSG00000050438	SLC4A8	4	0.001232527	0.017830102	0.01
634	ENSG00000093144	ECHDC1	4	0.001232527	0.017830102	0.01
635	ENSG00000102802	MEDAG	4	0.001232527	0.017830102	0.01
636	ENSG00000113575	PPP2CA	4	0.001232527	0.017830102	0.01
637	ENSG00000130119	GNL3L	4	0.001232527	0.017830102	0.01
638	ENSG00000134697	GNL2	4	0.001232527	0.017830102	0.01
639	ENSG00000136527	TRA2B	4	0.001232527	0.017830102	0.01
640	ENSG00000140263	SORD	4	0.001232527	0.017830102	0.01
641	ENSG00000147164	SNX12	4	0.001232527	0.017830102	0.01
642	ENSG00000156535	CD109	4	0.001232527	0.017830102	0.01
643	ENSG00000160818	GPATCH4	4	0.001232527	0.017830102	0.01
644	ENSG00000108854	SMURF2	4	0.001232527	0.017830102	0.02
645	ENSG00000120526	NUDCD1	4	0.001232527	0.017830102	0.02
646	ENSG00000132467	UTP3	4	0.001232527	0.017830102	0.02
647	ENSG00000151465	CDC123	4	0.001232527	0.017830102	0.02
648	ENSG00000100106	TRIOBP	4	0.001232527	0.017830102	0.03
649	ENSG00000109689	STIM2	4	0.001232527	0.017830102	0.03
650	ENSG00000164104	HMGB2	4	0.001232527	0.017830102	0.03
651	ENSG00000167977	KCTD5	4	0.001232527	0.017830102	0.03
652	ENSG00000189091	SF3B3	4	0.001232527	0.017830102	0.03
653	ENSG00000196793	ZNF239	4	0.001232527	0.017830102	0.03
654	ENSG00000072135	PTPN18	4	0.001232527	0.017830102	0.04
655	ENSG00000100558	PLEK2	4	0.001232527	0.017830102	0.04

656	ENSG00000174738	NR1D2	4	0.001232527	0.017830102	0.04
657	ENSG00000185760	KCNQ5	4	0.001232527	0.017830102	0.04
658	ENSG00000128340	RAC2	4	0.001232527	0.017830102	0.05
659	ENSG00000130066	SAT1	4	0.001232527	0.017830102	0.05
660	ENSG00000133030	MPRIP	4	0.001232527	0.017830102	0.05
661	ENSG00000133226	SRRM1	4	0.001232527	0.017830102	0.05
662	ENSG00000168237	GLYTK	4	0.001232527	0.017830102	0.05
663	ENSG00000170037	CNTROB	4	0.001232527	0.017830102	0.05
664	ENSG00000171492	LRRC8D	4	0.001232527	0.017830102	0.05
665	ENSG00000178295	GEN1	4	0.001232527	0.017830102	0.05
666	ENSG00000182973	CNOT10	4	0.001232527	0.017830102	0.05
667	ENSG00000100629	CEP128	4	0.001232527	0.017830102	0.06
668	ENSG00000101310	SEC23B	4	0.001232527	0.017830102	0.06
669	ENSG00000128059	PPAT	4	0.001232527	0.017830102	0.07
670	ENSG00000137825	ITPKA	4	0.001232527	0.017830102	0.07
671	ENSG00000180332	KCTD4	4	0.001232527	0.017830102	0.07
672	ENSG00000065427	KARS	4	0.001232527	0.017830102	0.08
673	ENSG00000160208	RRP1B	4	0.001232527	0.017830102	0.08
674	ENSG00000162825	NBPF20	4	0.001232527	0.017830102	0.08
675	ENSG00000180817	PPA1	4	0.001232527	0.017830102	0.08
676	ENSG00000206560	ANKRD28	4	0.001232527	0.017830102	0.08
677	ENSG00000003436	TFPI	4	0.001232527	0.017830102	0.09
678	ENSG00000117155	SSX2IP	4	0.001232527	0.017830102	0.09
679	ENSG00000093000	NUP50	4	0.001232527	0.017830102	0.1
680	ENSG00000102384	CENPI	4	0.001232527	0.017830102	0.1
681	ENSG00000102393	GLA	4	0.001232527	0.017830102	0.1
682	ENSG00000104332	SFRP1	4	0.001232527	0.017830102	0.1
683	ENSG00000038210	PI4K2B	4	0.001232527	0.017830102	0.11
684	ENSG00000102230	PCYT1B	4	0.001232527	0.017830102	0.11
685	ENSG00000111335	OAS2	4	0.001232527	0.017830102	0.11
686	ENSG00000167850	CD300C	4	0.001232527	0.017830102	0.11
687	ENSG00000102054	RBBP7	4	0.001232527	0.017830102	0.12
688	ENSG00000108064	TFAM	4	0.001232527	0.017830102	0.12
689	ENSG00000130830	MPP1	4	0.001232527	0.017830102	0.12
690	ENSG00000166477	LEO1	4	0.001232527	0.017830102	0.12
691	ENSG00000064199	SPA17	4	0.001232527	0.017830102	0.13
692	ENSG00000109321	AREG	4	0.001232527	0.017830102	0.13
693	ENSG00000124571	XPO5	4	0.001232527	0.017830102	0.13
694	ENSG00000144231	POLR2D	4	0.001232527	0.017830102	0.13
695	ENSG00000175806	MSRA	4	0.001232527	0.017830102	0.13
696	ENSG00000196584	XRCC2	4	0.001232527	0.017830102	0.13
697	ENSG00000068489	PRR11	4	0.001232527	0.017830102	0.14
698	ENSG00000128594	LRRC4	4	0.001232527	0.017830102	0.14
699	ENSG00000136450	SRSF1	4	0.001232527	0.017830102	0.15
700	ENSG00000158006	PAFAH2	4	0.001232527	0.017830102	0.15
701	ENSG00000170445	HARS	4	0.001232527	0.017830102	0.15
702	ENSG0000018699	TTC27	4	0.001232527	0.017830102	0.16
703	ENSG00000103489	XYLT1	4	0.001232527	0.017830102	0.16
704	ENSG00000131844	MCCC2	4	0.001232527	0.017830102	0.16
705	ENSG00000205476	CCDC85C	4	0.001232527	0.017830102	0.16
706	ENSG00000062485	CS	4	0.001232527	0.017830102	0.17
707	ENSG00000065183	WDR3	4	0.001232527	0.017830102	0.17
708	ENSG00000146242	TPBG	4	0.001232527	0.017830102	0.17
709	ENSG00000172244	C5orf34	4	0.001232527	0.017830102	0.17
710	ENSG00000078304	PPP2R5C	4	0.001232527	0.017830102	0.18
711	ENSG00000132383	RPA1	4	0.001232527	0.017830102	0.18
712	ENSG00000151789	ZNF385D	4	0.001232527	0.017830102	0.18
713	ENSG00000156802	ATAD2	4	0.001232527	0.017830102	0.18
714	ENSG00000171566	PLRG1	4	0.001232527	0.017830102	0.18
715	ENSG00000091844	RGS17	4	0.001232527	0.017830102	0.19
716	ENSG00000105127	AKAP8	4	0.001232527	0.017830102	0.19
717	ENSG00000132313	MRPL35	4	0.001232527	0.017830102	0.19
718	ENSG00000168038	ULK4	4	0.001232527	0.017830102	0.19
719	ENSG00000181938	GINS3	4	0.001232527	0.017830102	0.19
720	ENSG00000184205	TSPYL2	4	0.001232527	0.017830102	0.19
721	ENSG00000187325	TAF9B	4	0.001232527	0.017830102	0.19
722	ENSG00000197275	RAD54B	4	0.001232527	0.017830102	0.19
723	ENSG00000071626	DAZAP1	4	0.001232527	0.017830102	0.2
724	ENSG00000111605	CPSF6	4	0.001232527	0.017830102	0.2
725	ENSG00000136891	TEX10	4	0.001232527	0.017830102	0.2
726	ENSG00000164654	MIOS	4	0.001232527	0.017830102	0.2
727	ENSG00000176401	EID2B	4	0.001232527	0.017830102	0.2
728	ENSG00000183955	KMT5A	4	0.001232527	0.017830102	0.2
729	ENSG00000242265	PEG10	4	0.001232527	0.017830102	0.2
730	ENSG00000103591	AAGAB	4	0.001232527	0.017830102	0.21
731	ENSG00000146733	PSPH	4	0.001232527	0.017830102	0.21
732	ENSG00000165506	DNAAF2	4	0.001232527	0.017830102	0.21
733	ENSG00000177889	UBE2N	4	0.001232527	0.017830102	0.21
734	ENSG00000055483	USP36	4	0.001232527	0.017830102	0.22
735	ENSG00000119685	TTL5	4	0.001232527	0.017830102	0.22
736	ENSG00000140526	ABHD2	4	0.001232527	0.017830102	0.22
737	ENSG00000170545	SMAGP	4	0.001232527	0.017830102	0.22
738	ENSG00000224578	HNRNPA1P48	4	0.001232527	0.017830102	0.22
739	ENSG00000078140	UBE2K	4	0.001232527	0.017830102	0.23
740	ENSG00000126216	TUBGCP3	4	0.001232527	0.017830102	0.23
741	ENSG00000101000	PROCR	4	0.001232527	0.017830102	0.24
742	ENSG00000136261	BZW2	4	0.001232527	0.017830102	0.24
743	ENSG00000151287	TEX30	4	0.001232527	0.017830102	0.24
744	ENSG00000023572	GLRX2	4	0.001232527	0.017830102	0.25
745	ENSG00000095203	EPB41L4B	4	0.001232527	0.017830102	0.25
746	ENSG00000112576	CCND3	4	0.001232527	0.017830102	0.25
747	ENSG00000116489	CAPZA1	4	0.001232527	0.017830102	0.25
748	ENSG00000119487	MAPKAP1	4	0.001232527	0.017830102	0.25
749	ENSG00000124596	OARD1	4	0.001232527	0.017830102	0.25

750	ENSG00000166979	EVA1C	4	0.001232527	0.017830102	0.25
751	ENSG00000204767	INSYN2B	4	0.001232527	0.017830102	0.25
752	ENSG00000119865	CNRIP1	4	0.001232527	0.017830102	0.26
753	ENSG00000124193	SRSF6	4	0.001232527	0.017830102	0.26
754	ENSG00000124541	RRP36	4	0.001232527	0.017830102	0.26
755	ENSG00000157064	NMNAT2	4	0.001232527	0.017830102	0.26
756	ENSG00000171320	ESCO2	4	0.001232527	0.017830102	0.26
757	ENSG00000023171	GRAMD1B	4	0.001232527	0.017830102	0.27
758	ENSG00000026559	KCNG1	4	0.001232527	0.017830102	0.27
759	ENSG00000088247	KHSRP	4	0.001232527	0.017830102	0.27
760	ENSG00000106603	COA1	4	0.001232527	0.017830102	0.27
761	ENSG00000108561	C1QBP	4	0.001232527	0.017830102	0.27
762	ENSG00000133706	LARS	4	0.001232527	0.017830102	0.27
763	ENSG00000143867	OSR1	4	0.001232527	0.017830102	0.27
764	ENSG00000147459	DOCK5	4	0.001232527	0.017830102	0.27
765	ENSG00000155561	NUP205	4	0.001232527	0.017830102	0.27
766	ENSG00000101158	NELFCD	4	0.001232527	0.017830102	0.28
767	ENSG00000107815	TWNK	4	0.001232527	0.017830102	0.28
768	ENSG00000112029	FBXO5	4	0.001232527	0.017830102	0.28
769	ENSG00000137547	MRPL15	4	0.001232527	0.017830102	0.28
770	ENSG00000139746	RBM26	4	0.001232527	0.017830102	0.28
771	ENSG00000148677	ANKRD1	4	0.001232527	0.017830102	0.28
772	ENSG00000148841	ITPRIP	4	0.001232527	0.017830102	0.28
773	ENSG00000158156	XKR8	4	0.001232527	0.017830102	0.28
774	ENSG00000169895	SYAP1	4	0.001232527	0.017830102	0.28
775	ENSG00000014138	POLA2	4	0.001232527	0.017830102	0.29
776	ENSG00000155438	NIFK	4	0.001232527	0.017830102	0.29
777	ENSG00000196954	CASP4	4	0.001232527	0.017830102	0.29
778	ENSG00000204856	FAM216A	4	0.001232527	0.017830102	0.29
779	ENSG00000085662	AKR1B1	4	0.001232527	0.017830102	0.3
780	ENSG00000125863	MKKS	4	0.001232527	0.017830102	0.3
781	ENSG00000134480	CCNH	4	0.001232527	0.017830102	0.3
782	ENSG00000141367	CLTC	4	0.001232527	0.017830102	0.3
783	ENSG00000146678	IGFBP1	4	0.001232527	0.017830102	0.3
784	ENSG00000100714	MTHFD1	4	0.001232527	0.017830102	0.31
785	ENSG00000136840	ST6GALNAC4	4	0.001232527	0.017830102	0.31
786	ENSG00000139645	ANKRD52	4	0.001232527	0.017830102	0.31
787	ENSG00000151247	EIF4E	4	0.001232527	0.017830102	0.31
788	ENSG00000164898	FMC1	4	0.001232527	0.017830102	0.31
789	ENSG00000035499	DEPDC1B	4	0.001232527	0.017830102	0.32
790	ENSG00000112578	BYSL	4	0.001232527	0.017830102	0.32
791	ENSG00000125630	POLR1B	4	0.001232527	0.017830102	0.32
792	ENSG00000125827	TMX4	4	0.001232527	0.017830102	0.32
793	ENSG00000130429	ARPC1B	4	0.001232527	0.017830102	0.32
794	ENSG00000140961	OSGIN1	4	0.001232527	0.017830102	0.32
795	ENSG00000080608	PUM3	4	0.001232527	0.017830102	0.33
796	ENSG00000109674	NEIL3	4	0.001232527	0.017830102	0.33
797	ENSG00000120053	GOT1	4	0.001232527	0.017830102	0.33
798	ENSG00000151665	PIGF	4	0.001232527	0.017830102	0.33
799	ENSG00000171497	PPID	4	0.001232527	0.017830102	0.33
800	ENSG00000174842	GLMN	4	0.001232527	0.017830102	0.33
801	ENSG00000197961	ZNF121	4	0.001232527	0.017830102	0.33
802	ENSG00000005022	SLC25A5	4	0.001232527	0.017830102	0.34
803	ENSG00000070831	CDC42	4	0.001232527	0.017830102	0.34
804	ENSG00000101670	LIPG	4	0.001232527	0.017830102	0.34
805	ENSG00000182667	NTM	4	0.001232527	0.017830102	0.34
806	ENSG00000072501	SMC1A	4	0.001232527	0.017830102	0.35
807	ENSG00000080839	RBL1	4	0.001232527	0.017830102	0.35
808	ENSG00000103876	FAH	4	0.001232527	0.017830102	0.35
809	ENSG00000104687	GSR	4	0.001232527	0.017830102	0.35
810	ENSG00000151617	EDNRA	4	0.001232527	0.017830102	0.35
811	ENSG00000156017	CARNMT1	4	0.001232527	0.017830102	0.35
812	ENSG00000157227	MMP14	4	0.001232527	0.017830102	0.35
813	ENSG00000176871	WSB2	4	0.001232527	0.017830102	0.35
814	ENSG00000181467	RAP2B	4	0.001232527	0.017830102	0.35
815	ENSG00000204516	MICB	4	0.001232527	0.017830102	0.35
816	ENSG00000214367	HAUS3	4	0.001232527	0.017830102	0.35
817	ENSG00000064607	SUGP2	4	0.001232527	0.017830102	0.36
818	ENSG00000179041	RRS1	4	0.001232527	0.017830102	0.36
819	ENSG00000182963	GJC1	4	0.001232527	0.017830102	0.36
820	ENSG00000005189	REXO5	4	0.001232527	0.017830102	0.37
821	ENSG00000035681	NSMAF	4	0.001232527	0.017830102	0.37
822	ENSG00000102699	PARP4	4	0.001232527	0.017830102	0.37
823	ENSG00000106554	CHCHD3	4	0.001232527	0.017830102	0.37
824	ENSG00000138347	MYPN	4	0.001232527	0.017830102	0.37
825	ENSG00000168487	BMP1	4	0.001232527	0.017830102	0.37
826	ENSG00000169213	RAB3B	4	0.001232527	0.017830102	0.37
827	ENSG00000170917	NUDT6	4	0.001232527	0.017830102	0.37
828	ENSG00000180044	C3orf80	4	0.001232527	0.017830102	0.37
829	ENSG00000213066	FGFR10P	4	0.001232527	0.017830102	0.37
830	ENSG00000122483	CCDC18	4	0.001232527	0.017830102	0.38
831	ENSG00000135363	LMO2	4	0.001232527	0.017830102	0.38
832	ENSG00000146376	ARHGAP18	4	0.001232527	0.017830102	0.38
833	ENSG00000154589	LY96	4	0.001232527	0.017830102	0.38
834	ENSG00000174780	SRP72	4	0.001232527	0.017830102	0.38
835	ENSG00000113356	POLR3G	4	0.001232527	0.017830102	0.39
836	ENSG00000271503	CCL5	4	0.001232527	0.017830102	0.39
837	ENSG00000116711	PLA2G4A	4	0.001232527	0.017830102	0.4
838	ENSG00000161057	PSMC2	4	0.001232527	0.017830102	0.4
839	ENSG00000182903	ZNF721	4	0.001232527	0.017830102	0.4
840	ENSG00000184110	EIF3C	4	0.001232527	0.017830102	0.4
841	ENSG00000198554	WDHD1	4	0.001232527	0.017830102	0.4
842	ENSG00000117308	GALE	4	0.001232527	0.017830102	0.41
843	ENSG00000130816	DNMT1	4	0.001232527	0.017830102	0.41

844	ENSG00000141682	PMAIP1	4	0.001232527	0.017830102	0.41
845	ENSG00000148459	PDSS1	4	0.001232527	0.017830102	0.41
846	ENSG00000163808	KIF15	4	0.001232527	0.017830102	0.41
847	ENSG00000165487	MICU2	4	0.001232527	0.017830102	0.41
848	ENSG00000263465	SRSF8	4	0.001232527	0.017830102	0.41
849	ENSG00000101574	METTL4	4	0.001232527	0.017830102	0.42
850	ENSG00000103423	DNAJA3	4	0.001232527	0.017830102	0.42
851	ENSG00000123374	CDK2	4	0.001232527	0.017830102	0.42
852	ENSG00000130935	NOL11	4	0.001232527	0.017830102	0.42
853	ENSG00000132305	IMMT	4	0.001232527	0.017830102	0.42
854	ENSG00000138346	DNA2	4	0.001232527	0.017830102	0.42
855	ENSG00000185347	TEDC1	4	0.001232527	0.017830102	0.42
856	ENSG00000101096	NFATC2	4	0.001232527	0.017830102	0.43
857	ENSG00000105926	MPP6	4	0.001232527	0.017830102	0.43
858	ENSG00000107566	ERLIN1	4	0.001232527	0.017830102	0.43
859	ENSG00000151466	SCLT1	4	0.001232527	0.017830102	0.43
860	ENSG00000158270	COLEC12	4	0.001232527	0.017830102	0.43
861	ENSG00000162302	RPS6KA4	4	0.001232527	0.017830102	0.43
862	ENSG00000115816	CEBPZ	4	0.001232527	0.017830102	0.44
863	ENSG00000124802	EEF1E1	4	0.001232527	0.017830102	0.44
864	ENSG00000132361	CLUH	4	0.001232527	0.017830102	0.44
865	ENSG00000141560	FN3KRP	4	0.001232527	0.017830102	0.44
866	ENSG00000149636	DSN1	4	0.001232527	0.017830102	0.44
867	ENSG00000159202	UBE2Z	4	0.001232527	0.017830102	0.44
868	ENSG00000006606	CCL26	4	0.001232527	0.017830102	0.45
869	ENSG00000095002	MSH2	4	0.001232527	0.017830102	0.45
870	ENSG00000105063	PPP6R1	4	0.001232527	0.017830102	0.45
871	ENSG00000114270	COL7A1	4	0.001232527	0.017830102	0.45
872	ENSG00000126368	NR1D1	4	0.001232527	0.017830102	0.45
873	ENSG00000141385	AFG3L2	4	0.001232527	0.017830102	0.45
874	ENSG00000157870	PRXL2B	4	0.001232527	0.017830102	0.45
875	ENSG00000162062	TEDC2	4	0.001232527	0.017830102	0.45
876	ENSG00000164161	HHIP	4	0.001232527	0.017830102	0.45
877	ENSG00000048162	NOP16	4	0.001232527	0.017830102	0.46
878	ENSG00000119661	DNAL1	4	0.001232527	0.017830102	0.46
879	ENSG00000126215	XRCC3	4	0.001232527	0.017830102	0.46
880	ENSG00000187741	FANCA	4	0.001232527	0.017830102	0.46
881	ENSG00000029153	ARNTL2	4	0.001232527	0.017830102	0.47
882	ENSG00000125965	GDF5	4	0.001232527	0.017830102	0.47
883	ENSG00000129596	CDO1	4	0.001232527	0.017830102	0.47
884	ENSG00000130520	n_a	4	0.001232527	0.017830102	0.47
885	ENSG00000175040	CHST2	4	0.001232527	0.017830102	0.47
886	ENSG00000258366	RTEL1	4	0.001232527	0.017830102	0.47
887	ENSG00000097046	CDC7	4	0.001232527	0.017830102	0.48
888	ENSG00000100528	CNIH1	4	0.001232527	0.017830102	0.48
889	ENSG00000128708	HAT1	4	0.001232527	0.017830102	0.48
890	ENSG00000164134	NAA15	4	0.001232527	0.017830102	0.48
891	ENSG00000181649	PHLDA2	4	0.001232527	0.017830102	0.48
892	ENSG00000185112	FAM43A	4	0.001232527	0.017830102	0.48
893	ENSG00000186575	NF2	4	0.001232527	0.017830102	0.48
894	ENSG00000213190	MLLT11	4	0.001232527	0.017830102	0.48
895	ENSG00000232119	MCTS1	4	0.001232527	0.017830102	0.48
896	ENSG00000085760	MTIF2	4	0.001232527	0.017830102	0.49
897	ENSG00000111445	RFC5	4	0.001232527	0.017830102	0.49
898	ENSG00000139291	TMEM19	4	0.001232527	0.017830102	0.49
899	ENSG00000174611	KY	4	0.001232527	0.017830102	0.49
900	ENSG00000260456	C16orf95	4	0.001232527	0.017830102	0.49
901	ENSG00000119689	DLST	4	0.001232527	0.017830102	0.5
902	ENSG00000135111	TBX3	4	0.001232527	0.017830102	0.5
903	ENSG00000137055	PLAA	4	0.001232527	0.017830102	0.5
904	ENSG00000147224	PRPS1	4	0.001232527	0.017830102	0.5
905	ENSG00000161692	DBF4B	4	0.001232527	0.017830102	0.5
906	ENSG00000183840	GPR39	4	0.001232527	0.017830102	0.5
907	ENSG00000196581	AJAP1	4	0.001232527	0.017830102	0.5
908	ENSG00000163297	ANTXR2	4	0.001232527	0.017830102	0.51
909	ENSG00000171951	SCG2	4	0.001232527	0.017830102	0.51
910	ENSG00000125148	MT2A	4	0.001232527	0.017830102	0.52
911	ENSG00000001036	FUCA2	4	0.001232527	0.017830102	0.53
912	ENSG00000006634	DBF4	4	0.001232527	0.017830102	0.53
913	ENSG00000090372	STRN4	4	0.001232527	0.017830102	0.53
914	ENSG00000091409	ITGA6	4	0.001232527	0.017830102	0.53
915	ENSG00000134884	ARGLU1	4	0.001232527	0.017830102	0.53
916	ENSG00000197321	SVIL	4	0.001232527	0.017830102	0.53
917	ENSG00000132646	PCNA	4	0.001232527	0.017830102	0.54
918	ENSG00000127423	AUNIP	4	0.001232527	0.017830102	0.55
919	ENSG00000163399	ATP1A1	4	0.001232527	0.017830102	0.55
920	ENSG00000101224	CDC25B	4	0.001232527	0.017830102	0.56
921	ENSG00000107798	LIPA	4	0.001232527	0.017830102	0.56
922	ENSG00000156103	MMP16	4	0.001232527	0.017830102	0.56
923	ENSG00000211445	GPX3	4	0.001232527	0.017830102	0.56
924	ENSG00000111331	OAS3	4	0.001232527	0.017830102	0.57
925	ENSG00000168785	TSPAN5	4	0.001232527	0.017830102	0.57
926	ENSG00000139344	AMDHD1	4	0.001232527	0.017830102	0.58
927	ENSG00000110876	SELPLG	4	0.001232527	0.017830102	0.59
928	ENSG00000221829	FANCG	4	0.001232527	0.017830102	0.59
929	ENSG00000119787	ATL2	4	0.001232527	0.017830102	0.6
930	ENSG00000198015	MRPL42	4	0.001232527	0.017830102	0.6
931	ENSG00000156298	TSPAN7	4	0.001232527	0.017830102	0.61
932	ENSG00000183287	CCBE1	4	0.001232527	0.017830102	0.61
933	ENSG00000135521	LTV1	4	0.001232527	0.017830102	0.62
934	ENSG00000066926	FECH	4	0.001232527	0.017830102	0.63
935	ENSG00000120647	CCDC77	4	0.001232527	0.017830102	0.63
936	ENSG00000134070	IRAK2	4	0.001232527	0.017830102	0.63
937	ENSG00000144395	CCDC150	4	0.001232527	0.017830102	0.64

938	ENSG00000130695	CEP85	4	0.001232527	0.017830102	0.65
939	ENSG00000133313	CNDP2	4	0.001232527	0.017830102	0.65
940	ENSG00000186469	GNG2	4	0.001232527	0.017830102	0.66
941	ENSG00000007968	E2F2	4	0.001232527	0.017830102	0.67
942	ENSG00000185900	POMK	4	0.001232527	0.017830102	0.67
943	ENSG00000166508	MCM7	4	0.001232527	0.017830102	0.68
944	ENSG00000128342	LIF	4	0.001232527	0.017830102	0.7
945	ENSG00000131153	GINS2	4	0.001232527	0.017830102	0.71
946	ENSG00000079313	REXO1	4	0.001232527	0.017830102	0.73
947	ENSG00000168883	USP39	4	0.001232527	0.017830102	0.73
948	ENSG00000188917	TRMT2B	4	0.001232527	0.017830102	0.73
949	ENSG00000255508	n_a	4	0.001232527	0.017830102	0.73
950	ENSG00000011485	PPP5C	4	0.001232527	0.017830102	0.74
951	ENSG00000065802	ASB1	4	0.001232527	0.017830102	0.74
952	ENSG00000165271	NOL6	4	0.001232527	0.017830102	0.74
953	ENSG00000258484	SPESP1	4	0.001232527	0.017830102	0.74
954	ENSG00000012963	UBR7	4	0.001232527	0.017830102	0.75
955	ENSG00000182584	ACTL10	4	0.001232527	0.017830102	0.75
956	ENSG00000171302	CANT1	4	0.001232527	0.017830102	0.76
957	ENSG00000085999	RAD54L	4	0.001232527	0.017830102	0.77
958	ENSG00000092445	TYRO3	4	0.001232527	0.017830102	0.79
959	ENSG00000139514	SLC7A1	4	0.001232527	0.017830102	0.8
960	ENSG00000143942	CHAC2	4	0.001232527	0.017830102	0.8
961	ENSG00000089127	OAS1	4	0.001232527	0.017830102	0.81
962	ENSG00000171793	CTPS1	4	0.001232527	0.017830102	0.82
963	ENSG00000178999	AURKB	4	0.001232527	0.017830102	0.82
964	ENSG00000143512	HHIPL2	4	0.001232527	0.017830102	0.83
965	ENSG00000188581	KRTAP1-1	4	0.001232527	0.017830102	0.83
966	ENSG00000011007	ELOA	4	0.001232527	0.017830102	0.84
967	ENSG00000097021	ACOT7	4	0.001232527	0.017830102	0.85
968	ENSG00000080493	SLC4A4	4	0.001232527	0.017830102	0.86
969	ENSG00000105968	H2AFV	4	0.001232527	0.017830102	0.86
970	ENSG00000134569	LRP4	4	0.001232527	0.017830102	0.86
971	ENSG00000144635	DYNC11L1	4	0.001232527	0.017830102	0.86
972	ENSG00000156709	AIFM1	4	0.001232527	0.017830102	0.86
973	ENSG00000080986	NDC80	4	0.001232527	0.017830102	0.87
974	ENSG00000135324	MRAP2	4	0.001232527	0.017830102	0.89
975	ENSG00000116741	RGS2	4	0.001232527	0.017830102	0.92
976	ENSG00000115919	KYNU	4	0.001232527	0.017830102	0.96
977	ENSG00000164163	ABCE1	4	0.001232527	0.017830102	0.96
978	ENSG00000075131	TIPIN	4	0.001232527	0.017830102	0.98
979	ENSG00000126088	UROD	4	0.001232527	0.017830102	0.98
980	ENSG00000255112	CHMP1B	4	0.001232527	0.017830102	0.99
981	ENSG00000108788	MLX	4	0.001232527	0.017830102	1
982	ENSG00000163002	NUP35	4	0.001232527	0.017830102	1.01
983	ENSG00000101407	TTI1	4	0.001232527	0.017830102	1.03
984	ENSG00000127564	PKMYT1	4	0.001232527	0.017830102	1.03
985	ENSG00000118503	TNFAIP3	4	0.001232527	0.017830102	1.04
986	ENSG00000160949	TONSL	4	0.001232527	0.017830102	1.05
987	ENSG00000005302	MSL3	4	0.001232527	0.017830102	1.07
988	ENSG00000125375	DMAC2L	4	0.001232527	0.017830102	1.1
989	ENSG00000103187	COTL1	4	0.001232527	0.017830102	1.13
990	ENSG00000131019	ULBP3	4	0.001232527	0.017830102	1.13
991	ENSG00000148840	PPRC1	4	0.001232527	0.017830102	1.17
992	ENSG00000069431	ABCC9	4	0.001232527	0.017830102	1.19
993	ENSG00000163931	TKT	4	0.001232527	0.017830102	1.19
994	ENSG00000136158	SPRY2	4	0.001232527	0.017830102	1.21
995	ENSG00000171357	LURAP1	4	0.001232527	0.017830102	1.25
996	ENSG00000183421	RIPK4	4	0.001232527	0.017830102	1.25
997	ENSG00000119335	SET	4	0.001232527	0.017830102	1.27
998	ENSG00000048342	CC2D2A	4	0.001232527	0.017830102	1.29
999	ENSG00000155363	MOV10	4	0.001232527	0.017830102	1.29
1000	ENSG00000077152	UBE2T	4	0.001232527	0.017830102	1.32
1001	ENSG00000106397	PLOD3	4	0.001232527	0.017830102	1.37
1002	ENSG00000111581	NUP107	4	0.001232527	0.017830102	1.44
1003	ENSG00000198130	HIBCH	4	0.001232527	0.017830102	1.47
1004	ENSG00000183891	TTC32	4	0.001232527	0.017830102	1.51
1005	ENSG00000002745	WNT16	4	0.001232527	0.017830102	1.56
1006	ENSG00000108424	KPNB1	4	0.001232527	0.017830102	1.58
1007	ENSG00000156345	CDK20	4	0.001232527	0.017830102	1.58
1008	ENSG00000114757	PEX5L	4	0.001232527	0.017830102	1.6
1009	ENSG00000100983	GSS	4	0.001232527	0.017830102	1.75
1010	ENSG00000214595	EML6	4	0.001232527	0.017830102	1.76
1011	ENSG00000115310	RTN4	4	0.001232527	0.017830102	1.93
1012	ENSG00000156136	DCK	4	0.001232527	0.017830102	1.95
1013	ENSG00000154277	UCHL1	4	0.001232527	0.017830102	2.26
1014	ENSG00000172590	MRPL52	4	0.001232527	0.017830102	2.27
1015	ENSG00000183048	SLC25A10	4	0.001232527	0.017830102	2.29
1016	ENSG00000147408	CSGALNACT1	4	0.001232527	0.017830102	2.43
1017	ENSG00000177917	ARL6IP6	4	0.001232527	0.017830102	2.85
1018	ENSG00000163781	TOPBP1	4	0.001232527	0.017830102	2.89
1019	ENSG00000110721	CHKA	4	0.001232527	0.017830102	2.96
1020	ENSG00000124882	EREG	4	0.001232527	0.017830102	3.7
1021	ENSG00000108932	SLC16A6	4	0.001232527	0.017830102	4.4
1022	ENSG00000172296	SPTLC3	4	0.001232527	0.017830102	4.65
1023	ENSG00000116690	PRG4	4	0.001232527	0.017830102	4.77
1024	ENSG00000132541	RIDA	4	0.001232527	0.017830102	5.23
1025	ENSG00000119917	IFIT3	4	0.001232527	0.017830102	5.82
1026	ENSG00000169429	CXCL8	4	0.001232527	0.017830102	24.95