

**Monotonic Ascending 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	ENSG00000025423	<i>HSD17B6</i>	0	0	0	0
2	ENSG00000072110	<i>ACTN1</i>	0	0	0	0
3	ENSG00000076716	<i>GPC4</i>	0	0	0	0
4	ENSG00000091986	<i>CCDC80</i>	0	0	0	0
5	ENSG00000099889	<i>ARVCF</i>	0	0	0	0
6	ENSG00000106799	<i>TGFBR1</i>	0	0	0	0
7	ENSG00000111799	<i>COL12A1</i>	0	0	0	0
8	ENSG00000115380	<i>EFEMP1</i>	0	0	0	0
9	ENSG00000118523	<i>CCN2</i>	0	0	0	0
10	ENSG00000119280	<i>C1orf198</i>	0	0	0	0
11	ENSG00000121989	<i>ACVR2A</i>	0	0	0	0
12	ENSG00000124212	<i>PTGIS</i>	0	0	0	0
13	ENSG00000124766	<i>SOX4</i>	0	0	0	0
14	ENSG00000162591	<i>MEGF6</i>	0	0	0	0
15	ENSG00000163431	<i>LMOD1</i>	0	0	0	0
16	ENSG00000165124	<i>SVEP1</i>	0	0	0	0
17	ENSG00000172037	<i>LAMB2</i>	0	0	0	0
18	ENSG00000172986	<i>GXYLT2</i>	0	0	0	0
19	ENSG00000183723	<i>CMTM4</i>	0	0	0	0
20	ENSG00000197381	<i>ADARB1</i>	0	0	0	0
21	ENSG00000187955	<i>COL14A1</i>	0	0	0	0.01
22	ENSG00000196924	<i>FLNA</i>	0	0	0	0.01
23	ENSG00000171388	<i>APLN</i>	0	0	0	0.02
24	ENSG00000171522	<i>PTGER4</i>	0	0	0	0.02
25	ENSG00000106823	<i>ECM2</i>	0	0	0	0.03
26	ENSG00000077157	<i>PPP1R12B</i>	0	0	0	0.04
27	ENSG00000274180	<i>NATD1</i>	0	0	0	0.04
28	ENSG00000154721	<i>JAM2</i>	0	0	0	0.05
29	ENSG00000072952	<i>MRVI1</i>	0	0	0	0.06
30	ENSG00000082512	<i>TRAF5</i>	0	0	0	0.06
31	ENSG00000060718	<i>COL11A1</i>	0	0	0	0.07
32	ENSG00000140092	<i>FBLN5</i>	0	0	0	0.07
33	ENSG00000175274	<i>TP53I11</i>	0	0	0	0.09
34	ENSG00000204381	<i>LAYN</i>	0	0	0	0.09
35	ENSG00000123095	<i>BHLHE41</i>	0	0	0	0.12
36	ENSG00000204580	<i>DDR1</i>	0	0	0	0.16
37	ENSG00000126803	<i>HSPA2</i>	0	0	0	0.2
38	ENSG00000140391	<i>TSPAN3</i>	0	0	0	0.24
39	ENSG00000139329	<i>LUM</i>	0	0	0	0.25
40	ENSG00000149596	<i>JPH2</i>	0	0	0	0.26
41	ENSG00000167244	<i>IGF2</i>	0	0	0	0.31
42	ENSG00000136156	<i>ITM2B</i>	0	0	0	0.32
43	ENSG00000253276	<i>CCDC71L</i>	0	0	0	0.32
44	ENSG00000100439	<i>ABHD4</i>	0	0	0	0.33
45	ENSG00000125730	<i>C3</i>	0	0	0	0.5
46	ENSG00000022267	<i>FHL1</i>	0	0	0	0.53
47	ENSG00000136048	<i>DRAM1</i>	0	0	0	0.65
48	ENSG00000152217	<i>SETBP1</i>	0	0	0	1.03
49	ENSG00000122642	<i>FKBP9</i>	0	0	0	1.27
50	ENSG00000139112	<i>GABARAPL1</i>	0	0	0	1.52
51	ENSG00000124225	<i>PMEPA1</i>	1	6.38E-07	8.93E-05	0
52	ENSG00000185561	<i>TLCD2</i>	1	6.38E-07	8.93E-05	0
53	ENSG00000104936	<i>DMPK</i>	1	6.38E-07	8.93E-05	0.01
54	ENSG00000135549	<i>PKIB</i>	1	6.38E-07	8.93E-05	0.01
55	ENSG00000183087	<i>GAS6</i>	1	6.38E-07	8.93E-05	0.01
56	ENSG00000101280	<i>ANGPT4</i>	1	6.38E-07	8.93E-05	0.03
57	ENSG00000171812	<i>COL8A2</i>	1	6.38E-07	8.93E-05	0.03
58	ENSG00000115461	<i>IGFBP5</i>	1	6.38E-07	8.93E-05	0.05
59	ENSG00000169871	<i>TRIM56</i>	1	6.38E-07	8.93E-05	0.05
60	ENSG00000109472	<i>CPE</i>	1	6.38E-07	8.93E-05	0.07
61	ENSG00000146477	<i>SLC22A3</i>	1	6.38E-07	8.93E-05	0.09
62	ENSG00000064666	<i>CNN2</i>	1	6.38E-07	8.93E-05	0.12
63	ENSG00000177363	<i>LRRN4CL</i>	1	6.38E-07	8.93E-05	0.12
64	ENSG00000197122	<i>SRC</i>	1	6.38E-07	8.93E-05	0.16
65	ENSG00000257335	<i>MGAM</i>	1	6.38E-07	8.93E-05	0.18
66	ENSG00000144476	<i>ACKR3</i>	1	6.38E-07	8.93E-05	0.21
67	ENSG00000068971	<i>PPP2R5B</i>	1	6.38E-07	8.93E-05	0.24
68	ENSG00000113140	<i>SPARC</i>	1	6.38E-07	8.93E-05	0.25
69	ENSG00000160285	<i>LSS</i>	1	6.38E-07	8.93E-05	0.25
70	ENSG00000120837	<i>NFYB</i>	1	6.38E-07	8.93E-05	0.27
71	ENSG00000135926	<i>TMBIM1</i>	1	6.38E-07	8.93E-05	0.3
72	ENSG00000139083	<i>ETV6</i>	1	6.38E-07	8.93E-05	0.3
73	ENSG00000164099	<i>PRSS12</i>	1	6.38E-07	8.93E-05	0.32
74	ENSG00000241399	<i>CD302</i>	1	6.38E-07	8.93E-05	0.34
75	ENSG00000142303	<i>ADAMTS10</i>	1	6.38E-07	8.93E-05	0.35
76	ENSG00000162458	<i>FBLM1</i>	1	6.38E-07	8.93E-05	0.35
77	ENSG00000153814	<i>JAZF1</i>	1	6.38E-07	8.93E-05	0.36
78	ENSG00000254087	<i>LYN</i>	1	6.38E-07	8.93E-05	0.36
79	ENSG00000171603	<i>CLSTN1</i>	1	6.38E-07	8.93E-05	0.38
80	ENSG00000159423	<i>ALDH4A1</i>	1	6.38E-07	8.93E-05	0.39
81	ENSG00000117394	<i>SLC2A1</i>	1	6.38E-07	8.93E-05	0.4
82	ENSG00000283154	<i>IQCI-SCHIP1</i>	1	6.38E-07	8.93E-05	0.4
83	ENSG00000089472	<i>HEPH</i>	1	6.38E-07	8.93E-05	0.42
84	ENSG00000132003	<i>ZSWIM4</i>	1	6.38E-07	8.93E-05	0.43
85	ENSG00000146197	<i>SCUBE3</i>	1	6.38E-07	8.93E-05	0.43
86	ENSG00000101825	<i>MXRA5</i>	1	6.38E-07	8.93E-05	0.48
87	ENSG00000172201	<i>ID4</i>	1	6.38E-07	8.93E-05	0.48
88	ENSG00000081052	<i>COL4A4</i>	1	6.38E-07	8.93E-05	0.49
89	ENSG00000162512	<i>SDC3</i>	1	6.38E-07	8.93E-05	0.49
90	ENSG00000116774	<i>OLFML3</i>	1	6.38E-07	8.93E-05	0.5
91	ENSG00000144711	<i>IQSEC1</i>	1	6.38E-07	8.93E-05	0.51

92	ENSG00000171992	SYNPO	1	6.38E-07	8.93E-05	0.51
93	ENSG00000186635	ARAP1	1	6.38E-07	8.93E-05	0.52
94	ENSG00000182326	C1S	1	6.38E-07	8.93E-05	0.54
95	ENSG00000143126	CELSR2	1	6.38E-07	8.93E-05	0.55
96	ENSG00000079950	STX7	1	6.38E-07	8.93E-05	0.56
97	ENSG00000173599	PC	1	6.38E-07	8.93E-05	0.57
98	ENSG00000133619	KRBA1	1	6.38E-07	8.93E-05	0.61
99	ENSG00000137809	ITGA11	1	6.38E-07	8.93E-05	0.62
100	ENSG00000088756	ARHGAP28	1	6.38E-07	8.93E-05	0.63
101	ENSG00000066468	FGFR2	1	6.38E-07	8.93E-05	0.82
102	ENSG00000196549	MME	1	6.38E-07	8.93E-05	0.98
103	ENSG00000185565	LSAMP	1	6.38E-07	8.93E-05	1.04
104	ENSG00000110328	GALNT18	1	6.38E-07	8.93E-05	1.07
105	ENSG00000121898	CPXM2	1	6.38E-07	8.93E-05	1.19
106	ENSG00000150687	PRSS23	1	6.38E-07	8.93E-05	1.52
107	ENSG00000124785	NRN1	1	6.38E-07	8.93E-05	1.69
108	ENSG00000100100	PIK3IP1	1	6.38E-07	8.93E-05	1.89
109	ENSG00000214717	ZBED1	2	8.94E-06	0.000522388	0.32
110	ENSG00000076067	RBMS2	2	8.94E-06	0.000522388	0
111	ENSG00000118898	PPL	2	8.94E-06	0.000522388	0
112	ENSG00000124006	OBSL1	2	8.94E-06	0.000522388	0
113	ENSG00000125629	INSIG2	2	8.94E-06	0.000522388	0
114	ENSG00000130821	SLC6A8	2	8.94E-06	0.000522388	0
115	ENSG00000135424	ITGA7	2	8.94E-06	0.000522388	0
116	ENSG00000137094	DNAJB5	2	8.94E-06	0.000522388	0
117	ENSG00000137124	ALDH1B1	2	8.94E-06	0.000522388	0
118	ENSG00000172403	SYNPO2	2	8.94E-06	0.000522388	0
119	ENSG00000173281	PPP1R3B	2	8.94E-06	0.000522388	0
120	ENSG00000179403	VWA1	2	8.94E-06	0.000522388	0
121	ENSG00000182575	NXPH3	2	8.94E-06	0.000522388	0
122	ENSG00000183283	DAZAP2	2	8.94E-06	0.000522388	0
123	ENSG00000184304	PRKD1	2	8.94E-06	0.000522388	0
124	ENSG00000184702	SEPTIN5	2	8.94E-06	0.000522388	0
125	ENSG00000206190	ATP10A	2	8.94E-06	0.000522388	0
126	ENSG00000260230	FRRS1L	2	8.94E-06	0.000522388	0
127	ENSG00000125868	DSTN	2	8.94E-06	0.000522388	0.01
128	ENSG00000140443	IGF1R	2	8.94E-06	0.000522388	0.01
129	ENSG00000157570	TSPAN18	2	8.94E-06	0.000522388	0.01
130	ENSG00000173227	SYT12	2	8.94E-06	0.000522388	0.01
131	ENSG00000174697	LEP	2	8.94E-06	0.000522388	0.01
132	ENSG00000136720	H56ST1	2	8.94E-06	0.000522388	0.02
133	ENSG00000137285	TUBB2B	2	8.94E-06	0.000522388	0.03
134	ENSG00000164692	COL1A2	2	8.94E-06	0.000522388	0.04
135	ENSG00000171298	GAA	2	8.94E-06	0.000522388	0.04
136	ENSG00000161958	FGF11	2	8.94E-06	0.000522388	0.05
137	ENSG00000178772	CPN2	2	8.94E-06	0.000522388	0.05
138	ENSG00000137699	TRIM29	2	8.94E-06	0.000522388	0.06
139	ENSG00000152049	KCNE4	2	8.94E-06	0.000522388	0.06
140	ENSG00000077585	GPR137B	2	8.94E-06	0.000522388	0.07
141	ENSG00000137507	LRRC32	2	8.94E-06	0.000522388	0.07
142	ENSG00000164808	SPIDR	2	8.94E-06	0.000522388	0.07
143	ENSG00000171533	MAP6	2	8.94E-06	0.000522388	0.07
144	ENSG00000132613	MTSS2	2	8.94E-06	0.000522388	0.09
145	ENSG00000135919	SERPINE2	2	8.94E-06	0.000522388	0.09
146	ENSG00000090861	AARS	2	8.94E-06	0.000522388	0.1
147	ENSG00000138080	EMILIN1	2	8.94E-06	0.000522388	0.1
148	ENSG00000158008	EXTL1	2	8.94E-06	0.000522388	0.1
149	ENSG00000143499	SMYD2	2	8.94E-06	0.000522388	0.12
150	ENSG00000198695	MT-ND6	2	8.94E-06	0.000522388	0.14
151	ENSG00000121067	SPOP	2	8.94E-06	0.000522388	0.15
152	ENSG00000148926	ADM	2	8.94E-06	0.000522388	0.16
153	ENSG00000163083	INHBB	2	8.94E-06	0.000522388	0.17
154	ENSG00000117115	PADI2	2	8.94E-06	0.000522388	0.18
155	ENSG00000139178	C1RL	2	8.94E-06	0.000522388	0.18
156	ENSG00000162520	SYNC	2	8.94E-06	0.000522388	0.18
157	ENSG00000072195	SPEG	2	8.94E-06	0.000522388	0.2
158	ENSG00000111907	TPD52L1	2	8.94E-06	0.000522388	0.2
159	ENSG00000172530	BANP	2	8.94E-06	0.000522388	0.2
160	ENSG00000119862	LGALS1	2	8.94E-06	0.000522388	0.24
161	ENSG00000154864	PIEZO2	2	8.94E-06	0.000522388	0.24
162	ENSG00000166924	NYAP1	2	8.94E-06	0.000522388	0.24
163	ENSG00000173546	CSPG4	2	8.94E-06	0.000522388	0.25
164	ENSG00000056998	GYG2	2	8.94E-06	0.000522388	0.26
165	ENSG00000130176	CNN1	2	8.94E-06	0.000522388	0.26
166	ENSG00000108840	HDAC5	2	8.94E-06	0.000522388	0.27
167	ENSG00000167693	NXN	2	8.94E-06	0.000522388	0.28
168	ENSG00000170370	EMX2	2	8.94E-06	0.000522388	0.28
169	ENSG00000090565	RAB11FIP3	2	8.94E-06	0.000522388	0.29
170	ENSG00000132000	PODNL1	2	8.94E-06	0.000522388	0.3
171	ENSG00000172575	RASGRP1	2	8.94E-06	0.000522388	0.3
172	ENSG00000100345	MYH9	2	8.94E-06	0.000522388	0.32
173	ENSG00000115828	QPCT	2	8.94E-06	0.000522388	0.32
174	ENSG00000150510	FAM124A	2	8.94E-06	0.000522388	0.32
175	ENSG00000156804	FBXO32	2	8.94E-06	0.000522388	0.32
176	ENSG00000099994	SUSD2	2	8.94E-06	0.000522388	0.33
177	ENSG00000123243	ITIHS	2	8.94E-06	0.000522388	0.33
178	ENSG00000145687	SSBP2	2	8.94E-06	0.000522388	0.33
179	ENSG00000166387	PPFIBP2	2	8.94E-06	0.000522388	0.35
180	ENSG00000180914	OXTR	2	8.94E-06	0.000522388	0.35
181	ENSG00000198853	RUSC2	2	8.94E-06	0.000522388	0.35
182	ENSG00000064042	LIMCH1	2	8.94E-06	0.000522388	0.36
183	ENSG00000197635	PPP4	2	8.94E-06	0.000522388	0.36
184	ENSG00000099282	TSPAN15	2	8.94E-06	0.000522388	0.38
185	ENSG00000136436	CALCOCO2	2	8.94E-06	0.000522388	0.38

186	ENSG00000099864	PALM	2	8.94E-06	0.000522388	0.39
187	ENSG00000118518	RNF146	2	8.94E-06	0.000522388	0.39
188	ENSG00000123240	OPTN	2	8.94E-06	0.000522388	0.39
189	ENSG00000169439	SDC2	2	8.94E-06	0.000522388	0.4
190	ENSG00000126603	GLIS2	2	8.94E-06	0.000522388	0.41
191	ENSG00000197614	MFAP5	2	8.94E-06	0.000522388	0.41
192	ENSG00000103044	HAS3	2	8.94E-06	0.000522388	0.42
193	ENSG00000134030	CTIF	2	8.94E-06	0.000522388	0.42
194	ENSG00000146278	PNRC1	2	8.94E-06	0.000522388	0.42
195	ENSG00000156171	DRAM2	2	8.94E-06	0.000522388	0.42
196	ENSG00000182749	PAQR7	2	8.94E-06	0.000522388	0.42
197	ENSG00000158258	CLSTN2	2	8.94E-06	0.000522388	0.43
198	ENSG00000174804	FZD4	2	8.94E-06	0.000522388	0.43
199	ENSG00000182985	CADM1	2	8.94E-06	0.000522388	0.43
200	ENSG00000112655	PTK7	2	8.94E-06	0.000522388	0.44
201	ENSG00000178573	MAF	2	8.94E-06	0.000522388	0.44
202	ENSG00000120899	PTK2B	2	8.94E-06	0.000522388	0.45
203	ENSG00000122644	ARL4A	2	8.94E-06	0.000522388	0.45
204	ENSG00000126778	SIX1	2	8.94E-06	0.000522388	0.45
205	ENSG00000135299	ANKRD6	2	8.94E-06	0.000522388	0.46
206	ENSG00000108821	COL1A1	2	8.94E-06	0.000522388	0.47
207	ENSG00000071282	LMCD1	2	8.94E-06	0.000522388	0.48
208	ENSG00000164684	ZNF704	2	8.94E-06	0.000522388	0.48
209	ENSG00000183255	PTTG1IP	2	8.94E-06	0.000522388	0.48
210	ENSG00000107796	ACTA2	2	8.94E-06	0.000522388	0.49
211	ENSG00000139174	PRICKLE1	2	8.94E-06	0.000522388	0.49
212	ENSG00000101265	RASSF2	2	8.94E-06	0.000522388	0.5
213	ENSG00000112182	BACH2	2	8.94E-06	0.000522388	0.5
214	ENSG00000169991	IFFO2	2	8.94E-06	0.000522388	0.5
215	ENSG00000181264	TLCD5	2	8.94E-06	0.000522388	0.5
216	ENSG00000139567	ACVRL1	2	8.94E-06	0.000522388	0.51
217	ENSG00000168453	HR	2	8.94E-06	0.000522388	0.53
218	ENSG00000171055	FEZ2	2	8.94E-06	0.000522388	0.53
219	ENSG00000170271	FAXDC2	2	8.94E-06	0.000522388	0.55
220	ENSG00000157766	ACAN	2	8.94E-06	0.000522388	0.56
221	ENSG00000173757	STAT5B	2	8.94E-06	0.000522388	0.56
222	ENSG00000170542	SERPINB9	2	8.94E-06	0.000522388	0.58
223	ENSG00000197324	LRP10	2	8.94E-06	0.000522388	0.58
224	ENSG00000001523	CEP68	2	8.94E-06	0.000522388	0.59
225	ENSG00000182118	FAM89A	2	8.94E-06	0.000522388	0.59
226	ENSG00000060656	PTPRU	2	8.94E-06	0.000522388	0.6
227	ENSG00000142910	TINAGL1	2	8.94E-06	0.000522388	0.6
228	ENSG00000196323	ZBTB44	2	8.94E-06	0.000522388	0.62
229	ENSG000000004399	PLXND1	2	8.94E-06	0.000522388	0.64
230	ENSG00000131171	SH3BGRL	2	8.94E-06	0.000522388	0.67
231	ENSG00000149131	SERPING1	2	8.94E-06	0.000522388	0.69
232	ENSG00000171105	INSR	2	8.94E-06	0.000522388	0.72
233	ENSG00000001465	DCN	2	8.94E-06	0.000522388	0.75
234	ENSG00000116679	IVNS1ABP	2	8.94E-06	0.000522388	0.76
235	ENSG00000119950	MXI1	2	8.94E-06	0.000522388	0.77
236	ENSG00000121964	GTDC1	2	8.94E-06	0.000522388	0.77
237	ENSG00000185052	SLC24A3	2	8.94E-06	0.000522388	0.77
238	ENSG00000146674	IGFBP3	2	8.94E-06	0.000522388	0.78
239	ENSG00000197361	FBXL22	2	8.94E-06	0.000522388	0.82
240	ENSG00000155858	LSM11	2	8.94E-06	0.000522388	0.83
241	ENSG00000182218	HHIPL1	2	8.94E-06	0.000522388	0.84
242	ENSG00000126351	THRA	2	8.94E-06	0.000522388	0.86
243	ENSG00000134986	NREP	2	8.94E-06	0.000522388	0.86
244	ENSG00000070413	DGCR2	2	8.94E-06	0.000522388	0.87
245	ENSG00000144455	SUMF1	2	8.94E-06	0.000522388	0.92
246	ENSG00000157837	SPPL3	2	8.94E-06	0.000522388	0.94
247	ENSG00000163346	PBXIP1	2	8.94E-06	0.000522388	0.94
248	ENSG00000101605	MYOM1	2	8.94E-06	0.000522388	1.09
249	ENSG00000171160	MORN4	2	8.94E-06	0.000522388	1.1
250	ENSG00000154330	PGM5	2	8.94E-06	0.000522388	1.15
251	ENSG00000104321	TRPA1	2	8.94E-06	0.000522388	1.24
252	ENSG00000133392	MYH11	2	8.94E-06	0.000522388	1.24
253	ENSG00000148175	STOM	2	8.94E-06	0.000522388	1.33
254	ENSG00000186866	POFUT2	2	8.94E-06	0.000522388	1.48
255	ENSG00000072954	TMEM38A	2	8.94E-06	0.000522388	1.51
256	ENSG00000142871	CCN1	2	8.94E-06	0.000522388	1.57
257	ENSG00000114853	ZBTB47	2	8.94E-06	0.000522388	1.6
258	ENSG00000099204	ABLIM1	2	8.94E-06	0.000522388	1.62
259	ENSG00000134243	SORT1	2	8.94E-06	0.000522388	2.04
260	ENSG00000006042	TMEM98	3	0.000105955	0.003167939	0
261	ENSG000000038002	AGA	3	0.000105955	0.003167939	0
262	ENSG00000063660	GPC1	3	0.000105955	0.003167939	0
263	ENSG00000121039	RDH10	3	0.000105955	0.003167939	0
264	ENSG00000130684	ZNF337	3	0.000105955	0.003167939	0
265	ENSG00000136002	ARHGEF4	3	0.000105955	0.003167939	0
266	ENSG00000152284	TCF7L1	3	0.000105955	0.003167939	0
267	ENSG00000157693	TMEM268	3	0.000105955	0.003167939	0
268	ENSG00000162878	PKDCC	3	0.000105955	0.003167939	0
269	ENSG00000164066	INTU	3	0.000105955	0.003167939	0
270	ENSG00000168763	CNNM3	3	0.000105955	0.003167939	0
271	ENSG00000175183	CSRP2	3	0.000105955	0.003167939	0
272	ENSG00000181744	DIPK2A	3	0.000105955	0.003167939	0
273	ENSG00000182247	UBE2E2	3	0.000105955	0.003167939	0
274	ENSG00000188092	GPR89B	3	0.000105955	0.003167939	0
275	ENSG00000196843	ARID5A	3	0.000105955	0.003167939	0
276	ENSG00000253293	HOXA10	3	0.000105955	0.003167939	0
277	ENSG000000000003	TSPAN6	3	0.000105955	0.003167939	0.01
278	ENSG00000116273	PHF13	3	0.000105955	0.003167939	0.01
279	ENSG00000151729	SLC25A4	3	0.000105955	0.003167939	0.01

280	ENSG00000155760	FZD7	3	0.000105955	0.003167939	0.01
281	ENSG00000160310	PRMT2	3	0.000105955	0.003167939	0.01
282	ENSG00000164188	RANBP3L	3	0.000105955	0.003167939	0.01
283	ENSG00000188112	C6orf132	3	0.000105955	0.003167939	0.03
284	ENSG00000213614	HEXA	3	0.000105955	0.003167939	0.03
285	ENSG00000110042	DTX4	3	0.000105955	0.003167939	0.04
286	ENSG00000115457	IGFBP2	3	0.000105955	0.003167939	0.04
287	ENSG00000135245	HILPDA	3	0.000105955	0.003167939	0.04
288	ENSG00000182253	SYNM	3	0.000105955	0.003167939	0.04
289	ENSG00000101608	MYL12A	3	0.000105955	0.003167939	0.05
290	ENSG00000145901	TNIP1	3	0.000105955	0.003167939	0.05
291	ENSG00000010030	ETV7	3	0.000105955	0.003167939	0.07
292	ENSG00000064225	ST3GAL6	3	0.000105955	0.003167939	0.07
293	ENSG00000109107	ALDOC	3	0.000105955	0.003167939	0.07
294	ENSG00000135823	STX6	3	0.000105955	0.003167939	0.07
295	ENSG00000142687	KIAA0319L	3	0.000105955	0.003167939	0.07
296	ENSG00000149571	KIRREL3	3	0.000105955	0.003167939	0.07
297	ENSG00000174945	AMZ1	3	0.000105955	0.003167939	0.07
298	ENSG00000100154	TTC28	3	0.000105955	0.003167939	0.08
299	ENSG00000162551	ALPL	3	0.000105955	0.003167939	0.08
300	ENSG00000204128	C2orf72	3	0.000105955	0.003167939	0.08
301	ENSG00000119938	PPP1R3C	3	0.000105955	0.003167939	0.09
302	ENSG00000148180	GSN	3	0.000105955	0.003167939	0.09
303	ENSG00000164176	EDIL3	3	0.000105955	0.003167939	0.09
304	ENSG00000167930	FAM234A	3	0.000105955	0.003167939	0.09
305	ENSG00000178184	PARD6G	3	0.000105955	0.003167939	0.09
306	ENSG00000113721	PDGFRB	3	0.000105955	0.003167939	0.1
307	ENSG00000197355	UAP1L1	3	0.000105955	0.003167939	0.1
308	ENSG00000158186	MRAS	3	0.000105955	0.003167939	0.13
309	ENSG00000240771	ARHGEF25	3	0.000105955	0.003167939	0.13
310	ENSG00000059804	SLC2A3	3	0.000105955	0.003167939	0.14
311	ENSG00000124762	CDKN1A	3	0.000105955	0.003167939	0.14
312	ENSG00000173020	GRK2	3	0.000105955	0.003167939	0.14
313	ENSG00000176658	MYO1D	3	0.000105955	0.003167939	0.14
314	ENSG00000198663	C6orf89	3	0.000105955	0.003167939	0.14
315	ENSG00000131398	KCNC3	3	0.000105955	0.003167939	0.15
316	ENSG00000158555	GDPD5	3	0.000105955	0.003167939	0.15
317	ENSG00000179859	RNF227	3	0.000105955	0.003167939	0.15
318	ENSG00000122176	RMOD	3	0.000105955	0.003167939	0.16
319	ENSG00000140511	HAPLN3	3	0.000105955	0.003167939	0.17
320	ENSG00000165312	OTUD1	3	0.000105955	0.003167939	0.17
321	ENSG00000054277	OPN3	3	0.000105955	0.003167939	0.18
322	ENSG00000156976	EIF4A2	3	0.000105955	0.003167939	0.18
323	ENSG00000164236	ANKRD33B	3	0.000105955	0.003167939	0.18
324	ENSG00000187231	SESTD1	3	0.000105955	0.003167939	0.18
325	ENSG00000130592	LSP1	3	0.000105955	0.003167939	0.19
326	ENSG00000136960	ENPP2	3	0.000105955	0.003167939	0.19
327	ENSG00000162849	KIF26B	3	0.000105955	0.003167939	0.19
328	ENSG00000173801	JUP	3	0.000105955	0.003167939	0.19
329	ENSG00000101400	SNTA1	3	0.000105955	0.003167939	0.2
330	ENSG00000117791	MARC2	3	0.000105955	0.003167939	0.2
331	ENSG00000123427	EEF1AKMT3	3	0.000105955	0.003167939	0.2
332	ENSG00000136274	NACAD	3	0.000105955	0.003167939	0.2
333	ENSG00000147533	GOLGA7	3	0.000105955	0.003167939	0.2
334	ENSG00000148344	PTGES	3	0.000105955	0.003167939	0.2
335	ENSG00000171680	PLEKHG5	3	0.000105955	0.003167939	0.2
336	ENSG00000184481	FOXO4	3	0.000105955	0.003167939	0.2
337	ENSG00000105290	ALPL1	3	0.000105955	0.003167939	0.21
338	ENSG00000120594	PLXDC2	3	0.000105955	0.003167939	0.21
339	ENSG00000129353	SLC44A2	3	0.000105955	0.003167939	0.21
340	ENSG00000130024	PHF10	3	0.000105955	0.003167939	0.21
341	ENSG00000134198	TSPAN2	3	0.000105955	0.003167939	0.21
342	ENSG00000182168	UNC5C	3	0.000105955	0.003167939	0.21
343	ENSG00000221869	CEBPD	3	0.000105955	0.003167939	0.21
344	ENSG00000122547	EEPD1	3	0.000105955	0.003167939	0.22
345	ENSG00000175899	A2M	3	0.000105955	0.003167939	0.22
346	ENSG00000053254	FOXN3	3	0.000105955	0.003167939	0.23
347	ENSG00000113319	RASGRF2	3	0.000105955	0.003167939	0.23
348	ENSG00000157240	FZD1	3	0.000105955	0.003167939	0.23
349	ENSG00000163516	ANKZF1	3	0.000105955	0.003167939	0.23
350	ENSG00000159461	AMFR	3	0.000105955	0.003167939	0.24
351	ENSG00000141580	WDR45B	3	0.000105955	0.003167939	0.25
352	ENSG00000105664	COMP	3	0.000105955	0.003167939	0.26
353	ENSG00000127241	MASP1	3	0.000105955	0.003167939	0.27
354	ENSG00000151067	CACNA1C	3	0.000105955	0.003167939	0.27
355	ENSG00000174132	FAM174A	3	0.000105955	0.003167939	0.27
356	ENSG00000176485	PLAAT3	3	0.000105955	0.003167939	0.27
357	ENSG00000152767	FARP1	3	0.000105955	0.003167939	0.28
358	ENSG00000165507	DEPP1	3	0.000105955	0.003167939	0.28
359	ENSG00000007866	TEAD3	3	0.000105955	0.003167939	0.29
360	ENSG00000135070	ISCA1	3	0.000105955	0.003167939	0.29
361	ENSG00000135916	ITM2C	3	0.000105955	0.003167939	0.29
362	ENSG00000166448	TMEM130	3	0.000105955	0.003167939	0.29
363	ENSG00000170153	RNF150	3	0.000105955	0.003167939	0.29
364	ENSG00000158292	GPR153	3	0.000105955	0.003167939	0.3
365	ENSG00000160445	ZER1	3	0.000105955	0.003167939	0.3
366	ENSG00000116157	GPX7	3	0.000105955	0.003167939	0.31
367	ENSG00000154511	DIPK1A	3	0.000105955	0.003167939	0.31
368	ENSG00000250644	n_a	3	0.000105955	0.003167939	0.31
369	ENSG00000131791	PRKAB2	3	0.000105955	0.003167939	0.32
370	ENSG00000175220	ARHGAP1	3	0.000105955	0.003167939	0.32
371	ENSG000000012171	SEMA3B	3	0.000105955	0.003167939	0.33
372	ENSG00000107331	ABCA2	3	0.000105955	0.003167939	0.33
373	ENSG00000164093	PITX2	3	0.000105955	0.003167939	0.33

374	ENSG00000165996	HACD1	3	0.000105955	0.003167939	0.33
375	ENSG00000068976	PYGM	3	0.000105955	0.003167939	0.34
376	ENSG00000135636	DYSF	3	0.000105955	0.003167939	0.35
377	ENSG00000013288	MAN2B2	3	0.000105955	0.003167939	0.36
378	ENSG00000107738	VSIR	3	0.000105955	0.003167939	0.36
379	ENSG00000130703	OSBPL2	3	0.000105955	0.003167939	0.36
380	ENSG00000181588	MEX3D	3	0.000105955	0.003167939	0.36
381	ENSG00000185499	MUC1	3	0.000105955	0.003167939	0.36
382	ENSG00000075240	GRAMD4	3	0.000105955	0.003167939	0.37
383	ENSG00000082196	CIQTNF3	3	0.000105955	0.003167939	0.37
384	ENSG00000109944	JHY	3	0.000105955	0.003167939	0.37
385	ENSG00000128294	TPST2	3	0.000105955	0.003167939	0.37
386	ENSG00000135452	TSPAN31	3	0.000105955	0.003167939	0.37
387	ENSG00000188042	ARL4C	3	0.000105955	0.003167939	0.37
388	ENSG00000144647	POMGNT2	3	0.000105955	0.003167939	0.38
389	ENSG00000184545	DUSP8	3	0.000105955	0.003167939	0.38
390	ENSG00000153179	RASSF3	3	0.000105955	0.003167939	0.39
391	ENSG00000169231	THBS3	3	0.000105955	0.003167939	0.39
392	ENSG00000100504	PYGL	3	0.000105955	0.003167939	0.4
393	ENSG00000109743	BST1	3	0.000105955	0.003167939	0.4
394	ENSG00000135929	CYP27A1	3	0.000105955	0.003167939	0.4
395	ENSG00000144218	AFF3	3	0.000105955	0.003167939	0.4
396	ENSG00000144681	STAC	3	0.000105955	0.003167939	0.4
397	ENSG00000154553	PDLM3	3	0.000105955	0.003167939	0.4
398	ENSG00000187479	C11orf96	3	0.000105955	0.003167939	0.4
399	ENSG00000163430	FSTL1	3	0.000105955	0.003167939	0.41
400	ENSG00000198732	SMOC1	3	0.000105955	0.003167939	0.41
401	ENSG00000108352	RAPGEFL1	3	0.000105955	0.003167939	0.42
402	ENSG00000157978	LDLRAP1	3	0.000105955	0.003167939	0.42
403	ENSG00000034053	APBA2	3	0.000105955	0.003167939	0.43
404	ENSG00000138433	CIR1	3	0.000105955	0.003167939	0.43
405	ENSG00000143995	MEIS1	3	0.000105955	0.003167939	0.43
406	ENSG00000198542	ITGBL1	3	0.000105955	0.003167939	0.43
407	ENSG00000077420	APBB1IP	3	0.000105955	0.003167939	0.44
408	ENSG00000083750	RRAGB	3	0.000105955	0.003167939	0.44
409	ENSG00000142583	SLC2A5	3	0.000105955	0.003167939	0.44
410	ENSG00000164751	PEX2	3	0.000105955	0.003167939	0.44
411	ENSG00000070404	FSTL3	3	0.000105955	0.003167939	0.45
412	ENSG00000143409	MINDY1	3	0.000105955	0.003167939	0.45
413	ENSG00000148737	TCF7L2	3	0.000105955	0.003167939	0.46
414	ENSG00000069535	MAOB	3	0.000105955	0.003167939	0.47
415	ENSG00000104324	CPQ	3	0.000105955	0.003167939	0.47
416	ENSG00000119673	ACOT2	3	0.000105955	0.003167939	0.47
417	ENSG00000119979	FAM45A	3	0.000105955	0.003167939	0.47
418	ENSG00000145681	HAPLN1	3	0.000105955	0.003167939	0.47
419	ENSG00000176171	BNIP3	3	0.000105955	0.003167939	0.47
420	ENSG00000184922	FMNL1	3	0.000105955	0.003167939	0.47
421	ENSG00000112079	STK38	3	0.000105955	0.003167939	0.49
422	ENSG00000147027	TMEM47	3	0.000105955	0.003167939	0.49
423	ENSG00000204852	TCTN1	3	0.000105955	0.003167939	0.49
424	ENSG00000071967	CYBRD1	3	0.000105955	0.003167939	0.5
425	ENSG00000213625	LEPROT	3	0.000105955	0.003167939	0.5
426	ENSG00000275023	MLLT6	3	0.000105955	0.003167939	0.5
427	ENSG00000164050	PLXNB1	3	0.000105955	0.003167939	0.51
428	ENSG00000167641	PPP1R14A	3	0.000105955	0.003167939	0.51
429	ENSG00000183346	CABCOC1	3	0.000105955	0.003167939	0.51
430	ENSG00000241839	PLEKHO2	3	0.000105955	0.003167939	0.51
431	ENSG00000162645	GBP2	3	0.000105955	0.003167939	0.52
432	ENSG00000168542	COL3A1	3	0.000105955	0.003167939	0.52
433	ENSG00000198728	LDB1	3	0.000105955	0.003167939	0.53
434	ENSG00000148730	EIF4EBP2	3	0.000105955	0.003167939	0.54
435	ENSG00000088367	EPB41L1	3	0.000105955	0.003167939	0.55
436	ENSG00000109063	MYH3	3	0.000105955	0.003167939	0.55
437	ENSG00000164442	CITED2	3	0.000105955	0.003167939	0.55
438	ENSG00000164694	FNDC1	3	0.000105955	0.003167939	0.55
439	ENSG00000166343	MSS51	3	0.000105955	0.003167939	0.55
440	ENSG00000011454	RABGAP1	3	0.000105955	0.003167939	0.56
441	ENSG00000111674	ENO2	3	0.000105955	0.003167939	0.56
442	ENSG00000131634	TMEM204	3	0.000105955	0.003167939	0.56
443	ENSG00000105137	SYDE1	3	0.000105955	0.003167939	0.57
444	ENSG00000138050	THUMPD2	3	0.000105955	0.003167939	0.57
445	ENSG00000139266	MARCHF9.	3	0.000105955	0.003167939	0.57
446	ENSG00000149115	TNKS1BP1	3	0.000105955	0.003167939	0.57
447	ENSG00000084731	KIF3C	3	0.000105955	0.003167939	0.58
448	ENSG00000180447	GAS1	3	0.000105955	0.003167939	0.58
449	ENSG00000197043	ANXA6	3	0.000105955	0.003167939	0.59
450	ENSG00000131067	GGT7	3	0.000105955	0.003167939	0.6
451	ENSG00000159251	ACTC1	3	0.000105955	0.003167939	0.6
452	ENSG00000141736	ERBB2	3	0.000105955	0.003167939	0.61
453	ENSG00000164574	GALNT10	3	0.000105955	0.003167939	0.61
454	ENSG00000073910	FRY	3	0.000105955	0.003167939	0.62
455	ENSG00000109501	WFS1	3	0.000105955	0.003167939	0.62
456	ENSG00000143845	ETNK2	3	0.000105955	0.003167939	0.62
457	ENSG00000010610	CD4	3	0.000105955	0.003167939	0.65
458	ENSG00000244486	SCARF2	3	0.000105955	0.003167939	0.65
459	ENSG00000116954	RRAGC	3	0.000105955	0.003167939	0.66
460	ENSG00000121671	CRY2	3	0.000105955	0.003167939	0.66
461	ENSG00000140285	FGF7	3	0.000105955	0.003167939	0.66
462	ENSG00000235750	KIAA0040	3	0.000105955	0.003167939	0.67
463	ENSG00000074964	ARHGEF10L	3	0.000105955	0.003167939	0.68
464	ENSG00000100139	MICALL1	3	0.000105955	0.003167939	0.68
465	ENSG00000101210	EEF1A2	3	0.000105955	0.003167939	0.68
466	ENSG00000159128	IFNGR2	3	0.000105955	0.003167939	0.69
467	ENSG00000163661	PTX3	3	0.000105955	0.003167939	0.7

468	ENSG00000080845	DLGAP4	3	0.000105955	0.003167939	0.71
469	ENSG00000136379	ABHD17C	3	0.000105955	0.003167939	0.71
470	ENSG00000162604	TM2D1	3	0.000105955	0.003167939	0.71
471	ENSG00000165409	TSHR	3	0.000105955	0.003167939	0.73
472	ENSG00000123096	SSPN	3	0.000105955	0.003167939	0.76
473	ENSG00000131196	NFATC1	3	0.000105955	0.003167939	0.78
474	ENSG00000071051	NCK2	3	0.000105955	0.003167939	0.82
475	ENSG00000101938	CHRDL1	3	0.000105955	0.003167939	0.82
476	ENSG00000055211	GINM1	3	0.000105955	0.003167939	0.85
477	ENSG00000204851	PNMA8B	3	0.000105955	0.003167939	0.86
478	ENSG00000173175	ADCY5	3	0.000105955	0.003167939	0.91
479	ENSG00000177169	ULK1	3	0.000105955	0.003167939	0.91
480	ENSG00000169122	FAM110B	3	0.000105955	0.003167939	0.92
481	ENSG00000163638	ADAMTS9	3	0.000105955	0.003167939	0.97
482	ENSG00000134202	GSTM3	3	0.000105955	0.003167939	0.98
483	ENSG00000138449	SLC40A1	3	0.000105955	0.003167939	0.98
484	ENSG00000067992	PKD3	3	0.000105955	0.003167939	1.04
485	ENSG00000105429	MEGF8	3	0.000105955	0.003167939	1.04
486	ENSG00000146267	FAXC	3	0.000105955	0.003167939	1.06
487	ENSG00000189164	ZNF527	3	0.000105955	0.003167939	1.06
488	ENSG00000183111	ARHGEF37	3	0.000105955	0.003167939	1.12
489	ENSG00000140044	JDP2	3	0.000105955	0.003167939	1.13
490	ENSG00000149451	ADAM33	3	0.000105955	0.003167939	1.13
491	ENSG00000167971	CASKIN1	3	0.000105955	0.003167939	1.16
492	ENSG00000205903	ZNF316	3	0.000105955	0.003167939	1.21
493	ENSG00000243646	IL10RB	3	0.000105955	0.003167939	1.26
494	ENSG00000159784	FAM131B	3	0.000105955	0.003167939	1.31
495	ENSG00000259330	INAFM2	3	0.000105955	0.003167939	1.71
496	ENSG00000117643	MAN1C1	3	0.000105955	0.003167939	1.93
497	ENSG00000077943	ITGA8	3	0.000105955	0.003167939	2.01
498	ENSG00000102349	KLF8	3	0.000105955	0.003167939	2.97
499	ENSG00000179344	HLA-DQB1	3	0.000105955	0.003167939	3.63
500	ENSG00000102181	CD99L2	3	0.000105955	0.003167939	4.61
501	ENSG00000015153	YAF2	4	0.001065296	0.016909828	0
502	ENSG00000037637	FBXO42	4	0.001065296	0.016909828	0
503	ENSG00000057935	MTA3	4	0.001065296	0.016909828	0
504	ENSG00000074590	NUAK1	4	0.001065296	0.016909828	0
505	ENSG00000082781	ITGB5	4	0.001065296	0.016909828	0
506	ENSG00000099949	LZTR1	4	0.001065296	0.016909828	0
507	ENSG00000102024	PLS3	4	0.001065296	0.016909828	0
508	ENSG00000102445	RUBCNL	4	0.001065296	0.016909828	0
509	ENSG00000103888	CEMIP	4	0.001065296	0.016909828	0
510	ENSG00000104047	DTWD1	4	0.001065296	0.016909828	0
511	ENSG00000107159	CA9	4	0.001065296	0.016909828	0
512	ENSG00000108239	TBC1D12	4	0.001065296	0.016909828	0
513	ENSG00000112210	RAB23	4	0.001065296	0.016909828	0
514	ENSG00000117859	OSBPL9	4	0.001065296	0.016909828	0
515	ENSG00000118705	RPN2	4	0.001065296	0.016909828	0
516	ENSG00000119630	PGF	4	0.001065296	0.016909828	0
517	ENSG00000120254	MTHFD1L	4	0.001065296	0.016909828	0
518	ENSG00000126561	STAT5A	4	0.001065296	0.016909828	0
519	ENSG00000129116	PALLD	4	0.001065296	0.016909828	0
520	ENSG00000149591	TAGLN	4	0.001065296	0.016909828	0
521	ENSG00000151778	SERP2	4	0.001065296	0.016909828	0
522	ENSG00000152894	PTPRK	4	0.001065296	0.016909828	0
523	ENSG00000154978	VOPPI	4	0.001065296	0.016909828	0
524	ENSG00000156026	MCU	4	0.001065296	0.016909828	0
525	ENSG00000159176	CSRP1	4	0.001065296	0.016909828	0
526	ENSG00000160255	ITGB2	4	0.001065296	0.016909828	0
527	ENSG00000198420	TCAF1	4	0.001065296	0.016909828	0
528	ENSG00000211455	STK38L	4	0.001065296	0.016909828	0
529	ENSG00000050165	DKK3	4	0.001065296	0.016909828	0.01
530	ENSG00000078902	TOLLIP	4	0.001065296	0.016909828	0.01
531	ENSG00000117519	CNN3	4	0.001065296	0.016909828	0.01
532	ENSG00000135956	TMEM127	4	0.001065296	0.016909828	0.01
533	ENSG00000185633	NDUFA4L2	4	0.001065296	0.016909828	0.01
534	ENSG00000065989	n_a	4	0.001065296	0.016909828	0.02
535	ENSG00000084652	TXLNA	4	0.001065296	0.016909828	0.02
536	ENSG00000090924	PLEKHG2	4	0.001065296	0.016909828	0.02
537	ENSG00000254726	MEX3A	4	0.001065296	0.016909828	0.02
538	ENSG00000046651	OFD1	4	0.001065296	0.016909828	0.03
539	ENSG00000101335	MYL9	4	0.001065296	0.016909828	0.03
540	ENSG00000107438	PDLIM1	4	0.001065296	0.016909828	0.03
541	ENSG00000116786	PLEKHM2	4	0.001065296	0.016909828	0.03
542	ENSG00000141447	OSBPL1A	4	0.001065296	0.016909828	0.03
543	ENSG00000163251	FZD5	4	0.001065296	0.016909828	0.03
544	ENSG00000168118	RAB4A	4	0.001065296	0.016909828	0.03
545	ENSG00000178776	Scorf46	4	0.001065296	0.016909828	0.03
546	ENSG00000205309	NT5M	4	0.001065296	0.016909828	0.03
547	ENSG00000205978	NYNRIN	4	0.001065296	0.016909828	0.03
548	ENSG00000214944	ARHGEF28	4	0.001065296	0.016909828	0.03
549	ENSG00000104870	FCGRT	4	0.001065296	0.016909828	0.04
550	ENSG00000107551	RASSF4	4	0.001065296	0.016909828	0.04
551	ENSG00000117139	KDM5B	4	0.001065296	0.016909828	0.04
552	ENSG00000118707	TGIF2	4	0.001065296	0.016909828	0.04
553	ENSG00000122367	LDB3	4	0.001065296	0.016909828	0.04
554	ENSG00000129625	REEP5	4	0.001065296	0.016909828	0.04
555	ENSG00000140577	CRTC3	4	0.001065296	0.016909828	0.04
556	ENSG00000143382	ADAMTSL4	4	0.001065296	0.016909828	0.04
557	ENSG00000160703	NLRX1	4	0.001065296	0.016909828	0.04
558	ENSG00000162614	NEXN	4	0.001065296	0.016909828	0.04
559	ENSG00000167107	ACSF2	4	0.001065296	0.016909828	0.04
560	ENSG00000175084	DES	4	0.001065296	0.016909828	0.04
561	ENSG00000060069	CTDP1	4	0.001065296	0.016909828	0.05

562	ENSG00000062716	VMP1	4	0.001065296	0.016909828	0.05
563	ENSG00000152601	MBNL1	4	0.001065296	0.016909828	0.05
564	ENSG00000154556	SORBS2	4	0.001065296	0.016909828	0.05
565	ENSG00000169515	CCDC8	4	0.001065296	0.016909828	0.05
566	ENSG00000187244	BCAM	4	0.001065296	0.016909828	0.05
567	ENSG00000142733	MAP3K6	4	0.001065296	0.016909828	0.06
568	ENSG00000151422	FER	4	0.001065296	0.016909828	0.06
569	ENSG00000188997	KCTD21	4	0.001065296	0.016909828	0.06
570	ENSG00000005379	TSPOAP1	4	0.001065296	0.016909828	0.07
571	ENSG00000101871	MID1	4	0.001065296	0.016909828	0.07
572	ENSG00000116128	BCL9	4	0.001065296	0.016909828	0.07
573	ENSG00000131668	BARX1	4	0.001065296	0.016909828	0.07
574	ENSG00000163815	CLEC3B	4	0.001065296	0.016909828	0.07
575	ENSG00000180340	FZD2	4	0.001065296	0.016909828	0.07
576	ENSG00000275074	NUDT18	4	0.001065296	0.016909828	0.07
577	ENSG00000104881	PPP1R13L	4	0.001065296	0.016909828	0.08
578	ENSG00000143554	SLC27A3	4	0.001065296	0.016909828	0.08
579	ENSG00000155893	PXYLP1	4	0.001065296	0.016909828	0.08
580	ENSG00000157637	SLC38A10	4	0.001065296	0.016909828	0.08
581	ENSG00000116117	PARD3B	4	0.001065296	0.016909828	0.09
582	ENSG00000119318	RAD23B	4	0.001065296	0.016909828	0.09
583	ENSG00000168955	TM4SF20	4	0.001065296	0.016909828	0.09
584	ENSG00000170442	KRT86	4	0.001065296	0.016909828	0.09
585	ENSG00000004975	DVL2	4	0.001065296	0.016909828	0.1
586	ENSG00000012822	CALCOCO1	4	0.001065296	0.016909828	0.1
587	ENSG00000109625	CPZ	4	0.001065296	0.016909828	0.1
588	ENSG00000134363	FST	4	0.001065296	0.016909828	0.1
589	ENSG00000172638	EFEMP2	4	0.001065296	0.016909828	0.1
590	ENSG00000186205	MARC1	4	0.001065296	0.016909828	0.1
591	ENSG00000112658	SRF	4	0.001065296	0.016909828	0.11
592	ENSG00000235194	PPP1R3E	4	0.001065296	0.016909828	0.11
593	ENSG00000133142	TCEAL4	4	0.001065296	0.016909828	0.12
594	ENSG00000135205	CCDC146	4	0.001065296	0.016909828	0.12
595	ENSG00000181284	TMEM102	4	0.001065296	0.016909828	0.12
596	ENSG00000198467	TPM2	4	0.001065296	0.016909828	0.12
597	ENSG00000012660	ELOVL5	4	0.001065296	0.016909828	0.13
598	ENSG00000122203	KIAA1191	4	0.001065296	0.016909828	0.13
599	ENSG00000150347	ARID5B	4	0.001065296	0.016909828	0.13
600	ENSG00000167123	CERCAM	4	0.001065296	0.016909828	0.13
601	ENSG00000083290	ULK2	4	0.001065296	0.016909828	0.14
602	ENSG00000148848	ADAM12	4	0.001065296	0.016909828	0.14
603	ENSG00000089351	GRAMD1A	4	0.001065296	0.016909828	0.15
604	ENSG00000107816	LZTS2	4	0.001065296	0.016909828	0.15
605	ENSG00000121413	ZSCAN18	4	0.001065296	0.016909828	0.15
606	ENSG00000138759	FRAS1	4	0.001065296	0.016909828	0.15
607	ENSG00000160094	ZNF362	4	0.001065296	0.016909828	0.15
608	ENSG00000261150	EPPK1	4	0.001065296	0.016909828	0.15
609	ENSG00000163521	GLB1L	4	0.001065296	0.016909828	0.16
610	ENSG00000177565	TBL1XR1	4	0.001065296	0.016909828	0.16
611	ENSG00000180155	LYNX1	4	0.001065296	0.016909828	0.16
612	ENSG00000182923	CEP63	4	0.001065296	0.016909828	0.16
613	ENSG00000106327	TFR2	4	0.001065296	0.016909828	0.17
614	ENSG00000135622	SEMA4F	4	0.001065296	0.016909828	0.17
615	ENSG00000143379	SETDB1	4	0.001065296	0.016909828	0.17
616	ENSG00000151743	AMN1	4	0.001065296	0.016909828	0.17
617	ENSG00000157833	GAREM2	4	0.001065296	0.016909828	0.17
618	ENSG00000162704	ARPC5	4	0.001065296	0.016909828	0.17
619	ENSG00000166710	B2M	4	0.001065296	0.016909828	0.17
620	ENSG00000175309	PHYKPL	4	0.001065296	0.016909828	0.17
621	ENSG00000108861	DUSP3	4	0.001065296	0.016909828	0.18
622	ENSG00000137103	TMEM8B	4	0.001065296	0.016909828	0.18
623	ENSG00000165152	TMEM246	4	0.001065296	0.016909828	0.18
624	ENSG00000172667	ZMAT3	4	0.001065296	0.016909828	0.18
625	ENSG00000275993	SIK1B	4	0.001065296	0.016909828	0.18
626	ENSG00000074657	ZNF532	4	0.001065296	0.016909828	0.19
627	ENSG00000077684	JADE1	4	0.001065296	0.016909828	0.19
628	ENSG00000112679	DUSP22	4	0.001065296	0.016909828	0.19
629	ENSG00000122707	RECK	4	0.001065296	0.016909828	0.19
630	ENSG00000124067	SLC12A4	4	0.001065296	0.016909828	0.19
631	ENSG00000170004	CHD3	4	0.001065296	0.016909828	0.19
632	ENSG00000174306	ZHX3	4	0.001065296	0.016909828	0.19
633	ENSG00000175727	MLXIP	4	0.001065296	0.016909828	0.19
634	ENSG00000182916	TCEAL7	4	0.001065296	0.016909828	0.19
635	ENSG00000184635	ZNF93	4	0.001065296	0.016909828	0.19
636	ENSG00000054793	ATP9A	4	0.001065296	0.016909828	0.2
637	ENSG00000100376	FAM118A	4	0.001065296	0.016909828	0.2
638	ENSG00000150051	MKX	4	0.001065296	0.016909828	0.2
639	ENSG00000153048	CARHSP1	4	0.001065296	0.016909828	0.2
640	ENSG00000179954	SSC5D	4	0.001065296	0.016909828	0.2
641	ENSG00000188783	PRELP	4	0.001065296	0.016909828	0.2
642	ENSG00000071073	MGAT4A	4	0.001065296	0.016909828	0.21
643	ENSG00000091972	CD200	4	0.001065296	0.016909828	0.21
644	ENSG00000125648	SLC25A23	4	0.001065296	0.016909828	0.21
645	ENSG00000131370	SH3BP5	4	0.001065296	0.016909828	0.21
646	ENSG00000145916	RHND5B	4	0.001065296	0.016909828	0.21
647	ENSG00000153885	KCTD15	4	0.001065296	0.016909828	0.21
648	ENSG00000076344	RGS11	4	0.001065296	0.016909828	0.22
649	ENSG00000107679	PLEKHA1	4	0.001065296	0.016909828	0.22
650	ENSG00000111276	CDKN1B	4	0.001065296	0.016909828	0.22
651	ENSG00000143437	ARNT	4	0.001065296	0.016909828	0.22
652	ENSG00000163378	EOGT	4	0.001065296	0.016909828	0.22
653	ENSG00000171385	KCND3	4	0.001065296	0.016909828	0.22
654	ENSG00000172673	THEMIS	4	0.001065296	0.016909828	0.22
655	ENSG00000196588	MRTFA	4	0.001065296	0.016909828	0.22

656	ENSG00000103742	<i>IGDCC4</i>	4	0.001065296	0.016909828	0.23
657	ENSG00000107745	<i>MICU1</i>	4	0.001065296	0.016909828	0.23
658	ENSG00000121104	<i>FAM117A</i>	4	0.001065296	0.016909828	0.23
659	ENSG00000128268	<i>MGAT3</i>	4	0.001065296	0.016909828	0.23
660	ENSG00000143590	<i>EFNA3</i>	4	0.001065296	0.016909828	0.23
661	ENSG00000151640	<i>DPYSL4</i>	4	0.001065296	0.016909828	0.23
662	ENSG00000136378	<i>ADAMTS7</i>	4	0.001065296	0.016909828	0.24
663	ENSG00000140931	<i>CMTM3</i>	4	0.001065296	0.016909828	0.24
664	ENSG00000166313	<i>APBB1</i>	4	0.001065296	0.016909828	0.24
665	ENSG00000025039	<i>RRAGD</i>	4	0.001065296	0.016909828	0.25
666	ENSG00000135924	<i>DNAJB2</i>	4	0.001065296	0.016909828	0.25
667	ENSG00000137142	<i>IGFBPL1</i>	4	0.001065296	0.016909828	0.25
668	ENSG00000143217	<i>NECTIN4</i>	4	0.001065296	0.016909828	0.25
669	ENSG00000170390	<i>DCLK2</i>	4	0.001065296	0.016909828	0.25
670	ENSG00000176720	<i>BOK</i>	4	0.001065296	0.016909828	0.25
671	ENSG00000132321	<i>IQCA1</i>	4	0.001065296	0.016909828	0.26
672	ENSG00000155324	<i>GRAMD2B</i>	4	0.001065296	0.016909828	0.26
673	ENSG00000166311	<i>SMPD1</i>	4	0.001065296	0.016909828	0.26
674	ENSG00000183578	<i>TNFAIP8L3</i>	4	0.001065296	0.016909828	0.26
675	ENSG00000185100	<i>ADSSL1</i>	4	0.001065296	0.016909828	0.26
676	ENSG00000078725	<i>BRINP1</i>	4	0.001065296	0.016909828	0.27
677	ENSG00000117020	<i>AKT3</i>	4	0.001065296	0.016909828	0.27
678	ENSG00000125744	<i>RTN2</i>	4	0.001065296	0.016909828	0.27
679	ENSG00000171475	<i>WIPF2</i>	4	0.001065296	0.016909828	0.27
680	ENSG00000174516	<i>PEL13</i>	4	0.001065296	0.016909828	0.28
681	ENSG00000179841	<i>AKAP5</i>	4	0.001065296	0.016909828	0.28
682	ENSG00000182919	<i>C11orf54</i>	4	0.001065296	0.016909828	0.28
683	ENSG00000196867	<i>ZFP28</i>	4	0.001065296	0.016909828	0.28
684	ENSG00000139597	<i>N4BP2L1</i>	4	0.001065296	0.016909828	0.29
685	ENSG00000149823	<i>VPS51</i>	4	0.001065296	0.016909828	0.29
686	ENSG00000152137	<i>HSPB8</i>	4	0.001065296	0.016909828	0.29
687	ENSG00000167771	<i>RCOR2</i>	4	0.001065296	0.016909828	0.29
688	ENSG00000183722	<i>LHFPL6</i>	4	0.001065296	0.016909828	0.29
689	ENSG00000223953	<i>C1QTNF5</i>	4	0.001065296	0.016909828	0.29
690	ENSG00000240849	<i>TMEM189</i>	4	0.001065296	0.016909828	0.29
691	ENSG00000277443	<i>MARCKS</i>	4	0.001065296	0.016909828	0.29
692	ENSG00000109099	<i>PMP22</i>	4	0.001065296	0.016909828	0.3
693	ENSG00000109458	<i>GAB1</i>	4	0.001065296	0.016909828	0.3
694	ENSG00000114023	<i>FAM162A</i>	4	0.001065296	0.016909828	0.3
695	ENSG00000119408	<i>NEK6</i>	4	0.001065296	0.016909828	0.3
696	ENSG00000151882	<i>CCL28</i>	4	0.001065296	0.016909828	0.3
697	ENSG00000164086	<i>DUSP7</i>	4	0.001065296	0.016909828	0.3
698	ENSG00000170464	<i>DNAJC18</i>	4	0.001065296	0.016909828	0.3
699	ENSG00000172663	<i>TMEM134</i>	4	0.001065296	0.016909828	0.3
700	ENSG00000176723	<i>ZNF843</i>	4	0.001065296	0.016909828	0.3
701	ENSG00000183691	<i>NOG</i>	4	0.001065296	0.016909828	0.3
702	ENSG00000198894	<i>CIPC</i>	4	0.001065296	0.016909828	0.3
703	ENSG00000077942	<i>BLN1</i>	4	0.001065296	0.016909828	0.31
704	ENSG00000099308	<i>MAST3</i>	4	0.001065296	0.016909828	0.31
705	ENSG00000134594	<i>RAB33A</i>	4	0.001065296	0.016909828	0.31
706	ENSG00000162522	<i>KIAA1522</i>	4	0.001065296	0.016909828	0.31
707	ENSG00000164309	<i>CMYA5</i>	4	0.001065296	0.016909828	0.31
708	ENSG00000127334	<i>DYRK2</i>	4	0.001065296	0.016909828	0.32
709	ENSG00000128655	<i>PDE11A</i>	4	0.001065296	0.016909828	0.32
710	ENSG00000155792	<i>DEPTOR</i>	4	0.001065296	0.016909828	0.32
711	ENSG00000169282	<i>KCNAB1</i>	4	0.001065296	0.016909828	0.32
712	ENSG00000169992	<i>NLGN2</i>	4	0.001065296	0.016909828	0.32
713	ENSG00000174282	<i>ZBTB4</i>	4	0.001065296	0.016909828	0.32
714	ENSG00000175356	<i>SCUBE2</i>	4	0.001065296	0.016909828	0.32
715	ENSG00000011028	<i>n_a</i>	4	0.001065296	0.016909828	0.33
716	ENSG00000107341	<i>UBE2R2</i>	4	0.001065296	0.016909828	0.33
717	ENSG00000137801	<i>THBS1</i>	4	0.001065296	0.016909828	0.33
718	ENSG00000146122	<i>DAAM2</i>	4	0.001065296	0.016909828	0.33
719	ENSG00000158050	<i>DUSP2</i>	4	0.001065296	0.016909828	0.33
720	ENSG00000171953	<i>ATPAF2</i>	4	0.001065296	0.016909828	0.33
721	ENSG00000124098	<i>FAM210B</i>	4	0.001065296	0.016909828	0.34
722	ENSG00000160999	<i>SH2B2</i>	4	0.001065296	0.016909828	0.34
723	ENSG00000185338	<i>SOCS1</i>	4	0.001065296	0.016909828	0.34
724	ENSG00000243244	<i>STON1</i>	4	0.001065296	0.016909828	0.34
725	ENSG00000075624	<i>ACTB</i>	4	0.001065296	0.016909828	0.35
726	ENSG00000088543	<i>C3orf18</i>	4	0.001065296	0.016909828	0.35
727	ENSG00000114923	<i>SLC4A3</i>	4	0.001065296	0.016909828	0.35
728	ENSG00000137409	<i>MTCH1</i>	4	0.001065296	0.016909828	0.35
729	ENSG00000152154	<i>TMEM178A</i>	4	0.001065296	0.016909828	0.35
730	ENSG00000162104	<i>ADCY9</i>	4	0.001065296	0.016909828	0.35
731	ENSG00000133935	<i>ERG28</i>	4	0.001065296	0.016909828	0.36
732	ENSG00000137070	<i>IL11RA</i>	4	0.001065296	0.016909828	0.36
733	ENSG00000185567	<i>AHNAK2</i>	4	0.001065296	0.016909828	0.36
734	ENSG00000203780	<i>FANK1</i>	4	0.001065296	0.016909828	0.36
735	ENSG00000134824	<i>FADS4</i>	4	0.001065296	0.016909828	0.37
736	ENSG00000160460	<i>SPTBN4</i>	4	0.001065296	0.016909828	0.37
737	ENSG00000214402	<i>LCNL1</i>	4	0.001065296	0.016909828	0.37
738	ENSG00000113269	<i>RNF130</i>	4	0.001065296	0.016909828	0.38
739	ENSG00000114646	<i>CSPG5</i>	4	0.001065296	0.016909828	0.38
740	ENSG00000160161	<i>CILP2</i>	4	0.001065296	0.016909828	0.38
741	ENSG00000164105	<i>SAP30</i>	4	0.001065296	0.016909828	0.38
742	ENSG00000174807	<i>CD248</i>	4	0.001065296	0.016909828	0.38
743	ENSG00000235863	<i>B3GALT4</i>	4	0.001065296	0.016909828	0.38
744	ENSG00000114450	<i>GNB4</i>	4	0.001065296	0.016909828	0.39
745	ENSG00000121753	<i>ADGRB2</i>	4	0.001065296	0.016909828	0.39
746	ENSG00000132510	<i>KDM6B</i>	4	0.001065296	0.016909828	0.39
747	ENSG00000166444	<i>ST5</i>	4	0.001065296	0.016909828	0.39
748	ENSG00000167552	<i>TUBA1A</i>	4	0.001065296	0.016909828	0.39
749	ENSG00000173442	<i>EHBP1L1</i>	4	0.001065296	0.016909828	0.39



750	ENSG00000178752	<i>ERFE</i>	4	0.001065296	0.016909828	0.39
751	ENSG00000100201	<i>DDX17</i>	4	0.001065296	0.016909828	0.4
752	ENSG00000115738	<i>ID2</i>	4	0.001065296	0.016909828	0.4
753	ENSG00000127663	<i>KDM4B</i>	4	0.001065296	0.016909828	0.4
754	ENSG00000198837	<i>DENND4B</i>	4	0.001065296	0.016909828	0.4
755	ENSG00000105270	<i>CLIP3</i>	4	0.001065296	0.016909828	0.41
756	ENSG00000151376	<i>ME3</i>	4	0.001065296	0.016909828	0.41
757	ENSG00000160013	<i>PTGIR</i>	4	0.001065296	0.016909828	0.41
758	ENSG00000161921	<i>CXCL16</i>	4	0.001065296	0.016909828	0.41
759	ENSG00000166997	<i>CNPY4</i>	4	0.001065296	0.016909828	0.41
760	ENSG00000186792	<i>HYAL3</i>	4	0.001065296	0.016909828	0.41
761	ENSG00000219607	<i>PPP1R3G</i>	4	0.001065296	0.016909828	0.41
762	ENSG00000131943	<i>C19orf12</i>	4	0.001065296	0.016909828	0.42
763	ENSG00000143850	<i>PLEKHA6</i>	4	0.001065296	0.016909828	0.42
764	ENSG00000050327	<i>ARHGEF5</i>	4	0.001065296	0.016909828	0.43
765	ENSG00000072422	<i>RHOBTB1</i>	4	0.001065296	0.016909828	0.43
766	ENSG00000119801	<i>YPEL5</i>	4	0.001065296	0.016909828	0.43
767	ENSG00000133048	<i>CHI3L1</i>	4	0.001065296	0.016909828	0.43
768	ENSG00000165617	<i>DACT1</i>	4	0.001065296	0.016909828	0.43
769	ENSG00000168256	<i>NKIRAS2</i>	4	0.001065296	0.016909828	0.43
770	ENSG00000168264	<i>IRF2BP2</i>	4	0.001065296	0.016909828	0.43
771	ENSG00000095739	<i>BAMBI</i>	4	0.001065296	0.016909828	0.44
772	ENSG00000100842	<i>EFS</i>	4	0.001065296	0.016909828	0.44
773	ENSG00000105223	<i>PLD3</i>	4	0.001065296	0.016909828	0.44
774	ENSG00000109103	<i>UNC119</i>	4	0.001065296	0.016909828	0.44
775	ENSG00000113456	<i>RAD1</i>	4	0.001065296	0.016909828	0.44
776	ENSG00000143434	<i>SEMA6C</i>	4	0.001065296	0.016909828	0.44
777	ENSG00000146373	<i>RNF217</i>	4	0.001065296	0.016909828	0.44
778	ENSG00000147912	<i>FBXO10</i>	4	0.001065296	0.016909828	0.44
779	ENSG00000166923	<i>GREM1</i>	4	0.001065296	0.016909828	0.44
780	ENSG00000004455	<i>AK2</i>	4	0.001065296	0.016909828	0.45
781	ENSG00000021762	<i>OSBPL5</i>	4	0.001065296	0.016909828	0.45
782	ENSG00000118960	<i>HS1BP3</i>	4	0.001065296	0.016909828	0.45
783	ENSG00000125247	<i>TMTC4</i>	4	0.001065296	0.016909828	0.45
784	ENSG00000127328	<i>RAB3IP</i>	4	0.001065296	0.016909828	0.45
785	ENSG00000130304	<i>SLC27A1</i>	4	0.001065296	0.016909828	0.45
786	ENSG00000162627	<i>SNX7</i>	4	0.001065296	0.016909828	0.45
787	ENSG00000166484	<i>MAPK7</i>	4	0.001065296	0.016909828	0.45
788	ENSG00000105419	<i>MEIS3</i>	4	0.001065296	0.016909828	0.46
789	ENSG00000133874	<i>RNF122</i>	4	0.001065296	0.016909828	0.46
790	ENSG00000138336	<i>TE11</i>	4	0.001065296	0.016909828	0.46
791	ENSG00000181027	<i>FKRP</i>	4	0.001065296	0.016909828	0.46
792	ENSG00000076706	<i>n_a</i>	4	0.001065296	0.016909828	0.47
793	ENSG00000100380	<i>ST13</i>	4	0.001065296	0.016909828	0.47
794	ENSG00000158863	<i>FAM160B2</i>	4	0.001065296	0.016909828	0.47
795	ENSG00000186111	<i>PIP5K1C</i>	4	0.001065296	0.016909828	0.47
796	ENSG00000196704	<i>AMZ2</i>	4	0.001065296	0.016909828	0.47
797	ENSG00000204632	<i>HLA-G</i>	4	0.001065296	0.016909828	0.47
798	ENSG00000169105	<i>CHST14</i>	4	0.001065296	0.016909828	0.48
799	ENSG00000118816	<i>CCNI</i>	4	0.001065296	0.016909828	0.49
800	ENSG00000135362	<i>PRR5L</i>	4	0.001065296	0.016909828	0.49
801	ENSG00000146592	<i>CREB5</i>	4	0.001065296	0.016909828	0.49
802	ENSG00000174080	<i>CTSF</i>	4	0.001065296	0.016909828	0.49
803	ENSG00000270885	<i>RASL10B</i>	4	0.001065296	0.016909828	0.49
804	ENSG00000169071	<i>ROR2</i>	4	0.001065296	0.016909828	0.5
805	ENSG00000185950	<i>IRS2</i>	4	0.001065296	0.016909828	0.5
806	ENSG00000227051	<i>C14orf132</i>	4	0.001065296	0.016909828	0.5
807	ENSG00000049769	<i>PPP1R3F</i>	4	0.001065296	0.016909828	0.51
808	ENSG00000108389	<i>MTMR4</i>	4	0.001065296	0.016909828	0.51
809	ENSG00000167549	<i>CORO6</i>	4	0.001065296	0.016909828	0.51
810	ENSG00000184271	<i>n_a</i>	4	0.001065296	0.016909828	0.51
811	ENSG00000108950	<i>FAM20A</i>	4	0.001065296	0.016909828	0.52
812	ENSG00000112559	<i>MDFI</i>	4	0.001065296	0.016909828	0.52
813	ENSG00000167191	<i>GPRC5B</i>	4	0.001065296	0.016909828	0.52
814	ENSG00000170581	<i>STAT2</i>	4	0.001065296	0.016909828	0.52
815	ENSG00000131446	<i>MGAT1</i>	4	0.001065296	0.016909828	0.53
816	ENSG00000158828	<i>PINK1</i>	4	0.001065296	0.016909828	0.53
817	ENSG00000198863	<i>RUNDC1</i>	4	0.001065296	0.016909828	0.53
818	ENSG00000113328	<i>CCNG1</i>	4	0.001065296	0.016909828	0.54
819	ENSG00000197971	<i>MBP</i>	4	0.001065296	0.016909828	0.54
820	ENSG00000142065	<i>ZFP14</i>	4	0.001065296	0.016909828	0.55
821	ENSG00000151320	<i>AKAP6</i>	4	0.001065296	0.016909828	0.55
822	ENSG00000196605	<i>ZNF846</i>	4	0.001065296	0.016909828	0.55
823	ENSG00000204219	<i>TCEA3</i>	4	0.001065296	0.016909828	0.55
824	ENSG00000062038	<i>CDH3</i>	4	0.001065296	0.016909828	0.56
825	ENSG00000100968	<i>NFATC4</i>	4	0.001065296	0.016909828	0.56
826	ENSG00000133026	<i>MYH10</i>	4	0.001065296	0.016909828	0.56
827	ENSG00000137075	<i>RNF38</i>	4	0.001065296	0.016909828	0.56
828	ENSG00000149201	<i>CCDC81</i>	4	0.001065296	0.016909828	0.56
829	ENSG00000166482	<i>MFAP4</i>	4	0.001065296	0.016909828	0.56
830	ENSG00000046653	<i>GPM6B</i>	4	0.001065296	0.016909828	0.57
831	ENSG00000100321	<i>SYNGR1</i>	4	0.001065296	0.016909828	0.57
832	ENSG00000144746	<i>ARL6IP5</i>	4	0.001065296	0.016909828	0.57
833	ENSG00000196275	<i>GF2IRD2</i>	4	0.001065296	0.016909828	0.57
834	ENSG00000206527	<i>HACD2</i>	4	0.001065296	0.016909828	0.57
835	ENSG00000104343	<i>UBE2W</i>	4	0.001065296	0.016909828	0.58
836	ENSG00000111052	<i>LIN7A</i>	4	0.001065296	0.016909828	0.58
837	ENSG00000140939	<i>n_a</i>	4	0.001065296	0.016909828	0.58
838	ENSG00000241852	<i>C8orf58</i>	4	0.001065296	0.016909828	0.58
839	ENSG00000065491	<i>TBC1D22B</i>	4	0.001065296	0.016909828	0.6
840	ENSG00000110881	<i>ASIC1</i>	4	0.001065296	0.016909828	0.6
841	ENSG00000178033	<i>CALHM5</i>	4	0.001065296	0.016909828	0.6
842	ENSG00000129250	<i>KIF1C</i>	4	0.001065296	0.016909828	0.61
843	ENSG00000146233	<i>CYP39A1</i>	4	0.001065296	0.016909828	0.62

844	ENSG00000184206	<i>GOLGA6L4</i>	4	0.001065296	0.016909828	0.62
845	ENSG00000139182	<i>CLSTN3</i>	4	0.001065296	0.016909828	0.63
846	ENSG00000173898	<i>SPTBN2</i>	4	0.001065296	0.016909828	0.63
847	ENSG00000117266	<i>CDK18</i>	4	0.001065296	0.016909828	0.64
848	ENSG00000139200	<i>PIANP</i>	4	0.001065296	0.016909828	0.64
849	ENSG00000172765	<i>TMCC1</i>	4	0.001065296	0.016909828	0.64
850	ENSG00000143847	<i>PPFIA4</i>	4	0.001065296	0.016909828	0.65
851	ENSG00000204525	<i>HLA-C</i>	4	0.001065296	0.016909828	0.65
852	ENSG00000144810	<i>COL8A1</i>	4	0.001065296	0.016909828	0.66
853	ENSG00000182054	<i>IDH2</i>	4	0.001065296	0.016909828	0.66
854	ENSG00000161904	<i>LEMD2</i>	4	0.001065296	0.016909828	0.67
855	ENSG00000188811	<i>NHLRC3</i>	4	0.001065296	0.016909828	0.67
856	ENSG00000112367	<i>FIG4</i>	4	0.001065296	0.016909828	0.68
857	ENSG00000036672	<i>USP2</i>	4	0.001065296	0.016909828	0.69
858	ENSG00000092295	<i>TGM1</i>	4	0.001065296	0.016909828	0.69
859	ENSG00000129467	<i>ADCY4</i>	4	0.001065296	0.016909828	0.69
860	ENSG00000173548	<i>SNX33</i>	4	0.001065296	0.016909828	0.69
861	ENSG00000197702	<i>PARVA</i>	4	0.001065296	0.016909828	0.69
862	ENSG00000213722	<i>DDAH2</i>	4	0.001065296	0.016909828	0.69
863	ENSG00000099139	<i>PCSK5</i>	4	0.001065296	0.016909828	0.7
864	ENSG00000173376	<i>NDNF</i>	4	0.001065296	0.016909828	0.7
865	ENSG00000179476	<i>C14orf28</i>	4	0.001065296	0.016909828	0.7
866	ENSG00000100299	<i>ARSA</i>	4	0.001065296	0.016909828	0.71
867	ENSG00000127990	<i>SGCE</i>	4	0.001065296	0.016909828	0.71
868	ENSG00000162692	<i>VCAM1</i>	4	0.001065296	0.016909828	0.72
869	ENSG00000166347	<i>CY5A</i>	4	0.001065296	0.016909828	0.72
870	ENSG00000167772	<i>ANGPTL4</i>	4	0.001065296	0.016909828	0.72
871	ENSG00000244242	<i>IFITM10</i>	4	0.001065296	0.016909828	0.73
872	ENSG00000159899	<i>NPR2</i>	4	0.001065296	0.016909828	0.74
873	ENSG00000169031	<i>COL4A3</i>	4	0.001065296	0.016909828	0.74
874	ENSG00000175470	<i>PPP2R2D</i>	4	0.001065296	0.016909828	0.76
875	ENSG00000106772	<i>PRUNE2</i>	4	0.001065296	0.016909828	0.77
876	ENSG00000148120	<i>AOPEP</i>	4	0.001065296	0.016909828	0.77
877	ENSG00000123405	<i>NFE2</i>	4	0.001065296	0.016909828	0.78
878	ENSG00000142784	<i>WDTC1</i>	4	0.001065296	0.016909828	0.78
879	ENSG00000109846	<i>CRYAB</i>	4	0.001065296	0.016909828	0.79
880	ENSG00000146205	<i>ANO7</i>	4	0.001065296	0.016909828	0.79
881	ENSG00000067840	<i>PDZD4</i>	4	0.001065296	0.016909828	0.81
882	ENSG00000082014	<i>SMARCD3</i>	4	0.001065296	0.016909828	0.81
883	ENSG00000145936	<i>KCNMB1</i>	4	0.001065296	0.016909828	0.81
884	ENSG00000171045	<i>TSNARE1</i>	4	0.001065296	0.016909828	0.82
885	ENSG00000103175	<i>WFDC1</i>	4	0.001065296	0.016909828	0.83
886	ENSG00000130707	<i>ASS1</i>	4	0.001065296	0.016909828	0.85
887	ENSG00000164930	<i>FZD6</i>	4	0.001065296	0.016909828	0.85
888	ENSG00000122971	<i>ACADS</i>	4	0.001065296	0.016909828	0.86
889	ENSG00000197879	<i>MYO1C</i>	4	0.001065296	0.016909828	0.87
890	ENSG00000143162	<i>CREG1</i>	4	0.001065296	0.016909828	0.88
891	ENSG00000164638	<i>SLC29A4</i>	4	0.001065296	0.016909828	0.91
892	ENSG00000011275	<i>RNF216</i>	4	0.001065296	0.016909828	0.96
893	ENSG00000181035	<i>SLC25A42</i>	4	0.001065296	0.016909828	1.03
894	ENSG00000089486	<i>CDIP1</i>	4	0.001065296	0.016909828	1.04
895	ENSG00000113504	<i>SLC12A7</i>	4	0.001065296	0.016909828	1.04
896	ENSG00000075618	<i>FSCN1</i>	4	0.001065296	0.016909828	1.05
897	ENSG00000109072	<i>VTN</i>	4	0.001065296	0.016909828	1.07
898	ENSG00000184227	<i>ACOT1</i>	4	0.001065296	0.016909828	1.09
899	ENSG00000177106	<i>EPS8L2</i>	4	0.001065296	0.016909828	1.1
900	ENSG00000166167	<i>BTRC</i>	4	0.001065296	0.016909828	1.13
901	ENSG00000184009	<i>ACTG1</i>	4	0.001065296	0.016909828	1.17
902	ENSG00000168434	<i>COG7</i>	4	0.001065296	0.016909828	1.21
903	ENSG00000213626	<i>LBH</i>	4	0.001065296	0.016909828	1.25
904	ENSG00000122335	<i>SERAC1</i>	4	0.001065296	0.016909828	1.3
905	ENSG00000172594	<i>SMPDL3A</i>	4	0.001065296	0.016909828	1.39
906	ENSG00000205710	<i>C17orf107</i>	4	0.001065296	0.016909828	1.39
907	ENSG00000162734	<i>PEA15</i>	4	0.001065296	0.016909828	1.42
908	ENSG00000071246	<i>VASH1</i>	4	0.001065296	0.016909828	1.47
909	ENSG00000181788	<i>SIAH2</i>	4	0.001065296	0.016909828	1.47
910	ENSG00000182240	<i>BACE2</i>	4	0.001065296	0.016909828	1.54
911	ENSG00000067560	<i>RHOA</i>	4	0.001065296	0.016909828	1.58
912	ENSG00000084444	<i>FAM234B</i>	4	0.001065296	0.016909828	1.79
913	ENSG00000129988	<i>LBP</i>	4	0.001065296	0.016909828	1.85
914	ENSG00000131378	<i>RFTN1</i>	4	0.001065296	0.016909828	1.86
915	ENSG00000010322	<i>NISCH</i>	4	0.001065296	0.016909828	2.08
916	ENSG00000251493	<i>FOXD1</i>	4	0.001065296	0.016909828	2.09
917	ENSG00000214517	<i>PPME1</i>	4	0.001065296	0.016909828	2.18
918	ENSG00000102466	<i>FGF14</i>	4	0.001065296	0.016909828	2.48
919	ENSG00000134343	<i>ANO3</i>	4	0.001065296	0.016909828	2.49
920	ENSG00000186314	<i>PRELID2</i>	4	0.001065296	0.016909828	2.59
921	ENSG00000168938	<i>PPIC</i>	4	0.001065296	0.016909828	2.73
922	ENSG00000183979	<i>NPB</i>	4	0.001065296	0.016909828	2.84
923	ENSG00000166165	<i>CKB</i>	4	0.001065296	0.016909828	3.02
924	ENSG00000151322	<i>NPAS3</i>	4	0.001065296	0.016909828	3.11
925	ENSG00000111640	<i>GAPDH</i>	4	0.001065296	0.016909828	3.94
926	ENSG00000135437	<i>RDH5</i>	4	0.001065296	0.016909828	3.99
927	ENSG00000147872	<i>PLIN2</i>	4	0.001065296	0.016909828	6.74