

Table S3. Genes with the best evidence for being silenced by promoter methylation.

Genes of our list of 95 genes are shown in order of a derived linear predictor, followed by genes only on the longer list of 174 genes, followed by "near misses," which passed the expression filter and at least 3 of the 5 additional filters, had $R > 0.35$, and had ≥ 1 sample decreased for expression and MSCC. Orange background shows failed filters for each gene. Site numbers for genes with too few promoter sites with nonzero normal cut numbers to perform a Wilcoxon test are indicated in red.

	gene	CGI promoter	poised promoter	in TSG list	promoter sites	r GEP vs MSCC	number MSCC down	number GEP down	MSCC SD	GEP SD	rank predictor
1	GNLY				1	0.707	6	10	2.078	3.880	1
2	FAM26F	TRUE	TRUE		4	0.757	5	4	1.626	3.129	4
3	PRDX2	TRUE			9	0.801	3	7	1.066	2.851	5
4	ASNS	TRUE			4	0.799	4	8	1.196	2.602	6
5	GNB4	TRUE	TRUE		7	0.775	6	3	1.649	2.561	8
6	CD300A		TRUE		7	0.863	5	5	1.132	2.268	9
7	PLAC8	TRUE			7	0.716	6	5	0.769	2.605	11
8	NRIP1	TRUE			12	0.846	6	4	1.114	2.105	13
9	PQLC3	TRUE	TRUE		8	0.930	4	6	0.892	1.946	15
10	PYCARD	TRUE	TRUE	TRUE	7	0.918	4	3	1.057	2.052	17
11	LEF1	TRUE	TRUE		9	0.837	5	9	1.522	1.735	20
12	KLF11	TRUE	TRUE		14	0.755	9	8	0.926	1.832	22
13	DLL1	TRUE	TRUE		8	0.712	4	8	1.472	2.140	26
14	PSTPIP2	TRUE	TRUE		10	0.894	4	4	0.942	1.977	28
15	GPX7	TRUE	TRUE		8	0.700	9	9	1.832	1.642	30
16	DOCK5	TRUE	TRUE		14	0.705	4	9	1.636	1.988	33
17	DDX3X	TRUE		TRUE	14	0.795	3	9	1.196	1.977	34
18	RNF130	TRUE			12	0.862	6	4	0.698	1.773	39
19	TSPO	TRUE	TRUE		8	0.839	5	5	1.439	1.713	41
20	ZNF518B	TRUE	TRUE		10	0.846	9	6	0.911	1.491	42
21	ZFHX3	TRUE	TRUE	TRUE	16	0.838	8	5	0.828	1.593	43
22	GSN	TRUE	TRUE		21	0.799	5	4	0.758	1.929	45
23	ARHGAP5	TRUE			8	0.793	3	8	1.375	1.870	46
24	LPAR6				2	0.663	4	6	1.317	2.142	48
25	SCARNA17	TRUE			6	0.852	5	4	0.610	1.795	49
26	GALNT11	TRUE			8	0.806	3	8	1.466	1.740	53
27	IRF8	TRUE	TRUE	TRUE	6	0.912	4	6	0.895	1.518	56
28	C12orf57	TRUE			9	0.895	4	4	0.666	1.702	57
29	TWSG1	TRUE	TRUE		10	0.827	5	5	1.463	1.557	60
30	FILIP1L	TRUE	TRUE		7	0.759	6	3	1.988	1.645	61
31	TET2	TRUE	TRUE	TRUE	8	0.733	3	10	1.240	1.831	62
32	HMG3	TRUE			3	0.684	3	8	0.683	2.163	63
33	PTCH1	TRUE	TRUE	TRUE	28	0.697	5	6	1.343	1.781	68
34	ENPP4				4	0.779	9	4	1.025	1.474	69
35	DNAJA4	TRUE	TRUE		9	0.785	7	9	1.198	1.259	73
36	PTPN6			TRUE	10	0.800	6	4	1.209	1.533	74

37	SH2B3	TRUE			13	0.665	4	10	0.737	1.848	76
38	TP53INP1	TRUE		TRUE	9	0.778	4	4	0.712	1.842	79
39	IL12RB2	TRUE	TRUE		5	0.670	4	6	1.222	1.909	82
40	ZSCAN18	TRUE			11	0.753	9	4	1.227	1.435	83
41	PATL2				2	0.733	10	8	1.683	1.144	84
42	EIF5A2	TRUE	TRUE		9	0.667	5	10	0.833	1.641	89
43	ADAM8	TRUE	TRUE		10	0.685	4	9	1.559	1.609	91
44	PCTP	TRUE			5	0.751	4	5	1.107	1.718	93
45	FBXO25	TRUE			2	0.822	3	8	2.106	1.334	95
46	RREB1	TRUE			13	0.889	3	4	0.748	1.622	98
47	RGS3	TRUE	TRUE		21	0.780	8	7	1.351	1.157	99
48	LRP12	TRUE			10	0.689	5	8	1.177	1.568	102
49	DAPK1	TRUE		TRUE	12	0.738	4	3	0.631	1.886	105
50	TRIM44	TRUE	TRUE		8	0.700	7	4	0.932	1.617	106
51	PDE4B	TRUE	TRUE		12	0.693	6	5	0.611	1.710	107
52	DOK2			TRUE	4	0.795	3	10	1.543	1.348	110
53	CPQ	TRUE	TRUE		3	0.917	4	5	1.709	1.091	115
54	ALDH5A1	TRUE	TRUE		6	0.781	4	4	0.928	1.627	116
55	SNX9	TRUE			15	0.675	8	5	1.010	1.512	120
56	ZNF542	TRUE			5	0.751	7	8	1.871	1.049	121
57	NIPA1	TRUE	TRUE		9	0.683	5	8	1.327	1.456	124
58	BCL2L11	TRUE	TRUE		9	0.716	3	8	1.622	1.569	125
59	SPOCK2	TRUE	TRUE		6	0.698	5	7	0.613	1.596	128
60	NFATC1	TRUE	TRUE		29	0.788	7	6	1.003	1.189	129
61	TMEM181	TRUE			8	0.709	8	7	1.439	1.141	136
62	SFMBT2	TRUE	TRUE		21	0.875	5	4	0.615	1.222	140
63	MSRB2	TRUE			5	0.699	3	3	1.401	1.818	142
64	RHOBTB3	TRUE	TRUE		5	0.735	5	4	1.197	1.444	148
65	ZNF32	TRUE	TRUE		8	0.786	6	3	0.939	1.330	149
66	HPGD	TRUE	TRUE	TRUE	7	0.681	3	3	0.911	1.930	151
67	NAP1L5				2	0.665	3	8	1.425	1.613	152
68	NEK6	TRUE			15	0.793	7	4	0.957	1.174	154
69	TLE1	TRUE			9	0.684	3	4	1.483	1.748	157
70	MVP				6	0.714	5	5	1.458	1.361	159
71	SYTL2	TRUE	TRUE		10	0.720	4	5	0.653	1.572	167
72	C3AR1				1	0.728	4	3	1.612	1.463	169
73	CD3D				3	0.713	3	6	1.572	1.459	181
74	ZNF280D	TRUE			6	0.772	4	7	1.142	1.172	184
75	SLCO3A1	TRUE	TRUE		12	0.738	7	5	0.740	1.121	198
76	GPHN	TRUE			7	0.747	3	4	1.273	1.430	205
77	DPEP2				1	0.672	7	6	1.319	1.089	211
78	TNFRSF4	TRUE			7	0.678	5	8	1.393	1.100	213
79	SERPINB6	TRUE			9	0.741	4	3	0.607	1.439	217
80	SOX4	TRUE			3	0.681	4	3	0.747	1.532	232
81	PAM	TRUE			6	0.727	3	3	1.447	1.425	238
82	SBF2	TRUE			8	0.755	3	3	0.840	1.464	240
83	QDPR	TRUE			6	0.651	5	3	1.118	1.408	244

84	DCBLD1	TRUE	TRUE		10	0.724	4	4	0.971	1.273	259
85	NAPEPLD	TRUE		TRUE	5	0.830	3	3	0.895	1.203	264
86	LZTFL1	TRUE			8	0.666	5	8	0.624	1.162	265
87	BOLA1	TRUE			5	0.717	3	3	1.534	1.363	267
88	DNAJC4	TRUE			8	0.711	4	5	1.480	1.084	290
89	SOCS6	TRUE			6	0.724	3	6	1.257	1.180	296
90	IGF2BP2	TRUE			12	0.672	6	4	0.999	1.050	333
91	ARRB1	TRUE	TRUE		7	0.732	3	8	0.690	1.081	338
92	CEP192	TRUE			7	0.652	5	6	0.753	1.093	349
93	PCYOX1	TRUE			4	0.676	4	5	1.018	1.118	362
94	NEDD4	TRUE	TRUE		9	0.662	5	3	0.591	1.229	365
95	HHEX	TRUE	TRUE		15	0.685	3	3	0.943	1.140	499
96	KLRF1				2	0.573	9	9	1.884	3.554	2
97	FGFBP2				2	0.641	9	9	1.838	3.150	3
98	FCER1G				2	0.563	9	6	2.145	2.680	7
99	TNFRSF18	TRUE	TRUE		10	0.632	6	9	0.745	2.349	16
100	ITGAM				2	0.607	6	8	1.945	2.133	24
101	CTBP2	TRUE		TRUE	23	0.560	5	8	0.939	2.519	27
102	ITGAV	TRUE		TRUE	9	0.640	7	5	1.386	2.122	35
103	ZNF395	TRUE	TRUE		10	0.635	8	6	1.469	1.918	44
104	MXRA7	TRUE	TRUE		8	0.608	5	10	0.940	1.998	51
105	RAB8B	TRUE			3	0.531	7	8	2.136	1.914	52
106	FHL1	TRUE	TRUE		16	0.636	6	4	0.992	2.112	55
107	LXN			TRUE	3	0.519	8	4	2.006	2.084	58
108	GPR114				1	0.603	5	9	1.744	1.825	65
109	RAB37	TRUE	TRUE		16	0.643	6	4	0.603	2.079	67
110	PARP15		TRUE		1	0.579	8	10	1.763	1.575	71
111	ADAMTS1	TRUE	TRUE		11	0.573	7	9	1.689	1.622	87
112	ARMCX5	TRUE			1	0.627	5	8	2.091	1.604	88
113	ZBTB16	TRUE	TRUE	TRUE	17	0.580	5	8	1.230	1.884	90
114	SYTL1				4	0.648	3	9	1.406	1.877	92
115	MX1	TRUE	TRUE		12	0.588	6	3	0.821	2.066	100
116	FAM221A	TRUE			8	0.640	5	10	1.623	1.510	101
117	GPR137B	TRUE	TRUE		11	0.639	4	5	0.630	2.042	103
118	SRSF11	TRUE			1	0.631	7	6	1.655	1.555	104
119	HSD17B11				4	0.584	6	5	1.024	1.900	109
120	RNF165	TRUE	TRUE		7	0.503	7	10	1.739	1.637	111
121	TMCC3	TRUE	TRUE		6	0.552	6	5	1.446	1.827	126
122	TESPA1				4	0.509	8	8	1.358	1.579	146
123	LLGL2	TRUE			12	0.606	8	9	1.683	1.221	147
124	PLEKHA1	TRUE	TRUE		13	0.568	3	4	1.284	2.104	150
125	PLK2	TRUE		TRUE	8	0.623	5	3	1.284	1.741	153
126	IGF1R	TRUE			11	0.598	9	5	1.305	1.442	155
127	TNFSF11	TRUE			5	0.568	4	8	1.553	1.671	158
128	SCRN1	TRUE			11	0.522	4	6	1.135	1.954	160
129	IRS2	TRUE			11	0.617	9	3	1.696	1.392	163
130	AKAP7	TRUE			9	0.502	7	7	0.686	1.774	165

131	CTH	TRUE			2	0.505	9	4	1.845	1.533	178
132	PAWR	TRUE		TRUE	11	0.635	5	3	1.589	1.531	183
133	GAS1	TRUE		TRUE	12	0.541	4	3	0.733	1.976	197
134	ZNF605	TRUE			4	0.596	7	8	1.588	1.164	199
135	GBP2				1	0.576	10	3	2.125	1.201	202
136	MYH10	TRUE			15	0.603	5	4	0.796	1.620	206
137	PER3	TRUE	TRUE		12	0.641	7	4	1.166	1.289	215
138	CD52				1	0.524	3	6	1.427	1.827	221
139	FAM46A	TRUE			6	0.502	3	4	1.102	2.041	223
140	THEMIS2	TRUE			8	0.592	3	6	0.813	1.747	230
141	MAP9	TRUE			4	0.606	4	9	1.655	1.238	239
142	SLFN12		TRUE		5	0.519	8	9	1.526	1.167	241
143	ZNF300	TRUE			3	0.530	6	7	1.533	1.360	242
144	RASSF8			TRUE	9	0.540	5	9	1.375	1.328	245
145	NACC2	TRUE	TRUE		12	0.521	3	8	0.925	1.757	251
146	MYO6	TRUE			8	0.537	5	5	0.681	1.626	268
147	MAF	TRUE		TRUE	14	0.528	3	5	0.871	1.867	269
148	SMIM3	TRUE			3	0.573	6	6	1.260	1.260	280
149	ULK2	TRUE	TRUE		8	0.629	3	10	0.761	1.304	301
150	CD7				6	0.550	3	7	1.142	1.566	311
151	CRY1	TRUE			7	0.534	3	10	0.944	1.490	314
152	B3GALNT1	TRUE	TRUE		7	0.628	3	8	1.164	1.301	316
153	CYB5A	TRUE			5	0.566	4	3	0.866	1.608	319
154	TCEAL3	TRUE			3	0.574	5	3	1.318	1.372	332
155	ZFP30	TRUE			4	0.510	6	9	1.118	1.160	345
156	NREP	TRUE			6	0.577	3	7	1.194	1.394	356
157	SH3TC1				9	0.644	5	6	0.668	1.114	360
158	ASCL2	TRUE	TRUE		11	0.502	7	4	1.083	1.339	364
159	SERP2	TRUE	TRUE		10	0.571	6	3	1.309	1.220	382
160	HIC1	TRUE	TRUE	TRUE	16	0.645	4	5	0.819	1.199	389
161	KIF16B	TRUE			5	0.639	4	3	1.650	1.106	414
162	ZFP3	TRUE	TRUE		4	0.513	5	4	0.934	1.388	425
163	GPR125	TRUE			4	0.514	7	7	0.852	1.094	428
164	PIK3IP1		TRUE		3	0.540	7	3	1.039	1.181	437
165	GNA15				10	0.516	5	4	0.814	1.351	453
166	LTBP3	TRUE	TRUE		12	0.629	3	7	0.701	1.188	457
167	HIST1H2BE				3	0.524	5	5	1.570	1.066	505
168	SLC25A13	TRUE			9	0.604	4	3	0.788	1.189	525
169	INPP5A	TRUE	TRUE		12	0.564	4	5	0.833	1.141	557
170	CAMK1	TRUE	TRUE		8	0.528	3	4	1.105	1.232	657
171	USP46	TRUE			9	0.510	3	8	0.737	1.102	690
172	CBR3	TRUE	TRUE		7	0.527	3	4	0.875	1.187	736
173	DHRS11	TRUE			7	0.504	3	3	0.730	1.160	914
174	ZNF518A	TRUE			8	0.521	3	3	0.657	1.067	984
175	AKR1C3				1	0.444	5	10	1.279	2.916	12
176	OAT	TRUE			14	0.928	2	7	0.671	2.299	18
177	HINT1	TRUE		TRUE	6	0.719	2	7	0.789	2.797	19

178	CPNE3	TRUE			5	0.866	2	8	1.218	2.273	21
179	HBA1				1	0.604	2	3	1.773	3.028	23
180	S1PR5	TRUE	TRUE		7	0.374	5	8	1.421	2.852	31
181	C1orf162				1	0.638	5	2	1.606	2.424	32
182	C12orf23	TRUE	TRUE		7	0.787	3	7	0.427	2.216	37
183	TSC22D3	TRUE	TRUE		19	0.677	7	3	0.553	2.260	38
184	ITM2A				4	0.813	2	6	1.520	2.143	47
185	CSF2RB		TRUE		3	0.745	3	2	1.004	2.318	50
186	CYP1B1	TRUE	TRUE		11	0.691	8	2	1.703	1.817	54
187	HINT3	TRUE			5	0.783	5	7	0.493	1.697	66
188	SLC2A14	TRUE			5	0.782	10	9	1.812	1.010	70
189	NETO2	TRUE	TRUE		11	0.705	6	2	1.654	1.800	72
190	NTRK2	TRUE	TRUE		13	0.598	7	1	1.205	2.127	75
191	TMEM71				1	0.456	6	8	0.940	2.224	80
192	METTL7A				6	0.733	5	2	0.787	1.927	81
193	VAMP8				3	0.801	2	4	1.035	2.102	86
194	CPT1A	TRUE	TRUE		10	0.814	2	9	0.630	1.843	94
195	CD55	TRUE			5	0.786	2	9	0.768	1.884	97
196	PERP	TRUE	TRUE		4	0.455	4	6	1.407	2.276	112
197	ZNF814	TRUE			3	0.764	10	9	1.763	0.863	114
198	LACC1	TRUE			6	0.758	5	1	1.397	1.642	117
199	CD160				1	0.423	8	4	1.001	2.203	119
200	SORL1	TRUE			8	0.435	4	9	0.834	2.251	122
201	HIPK2	TRUE		TRUE	5	0.804	1	9	0.693	2.215	130
202	FNIP2	TRUE			8	0.657	3	6	0.583	1.985	131
203	CXCL2	TRUE			3	0.863	9	1	1.179	1.085	132
204	SLAMF1				2	0.562	9	2	1.765	1.655	135
205	MEIS2	TRUE	TRUE		20	0.507	9	1	0.802	2.016	138
206	YES1	TRUE			11	0.633	4	9	0.565	1.695	141
207	GNAQ	TRUE			12	0.763	2	5	0.985	1.889	143
208	LOC550643				4	0.764	2	7	1.335	1.718	144
209	TDG	TRUE			2	0.886	8	8	0.870	0.670	161
210	RAB38	TRUE			5	0.705	9	8	1.230	1.007	162
211	SVIP	TRUE	TRUE		2	0.367	9	7	1.489	1.861	164
212	RASEF	TRUE	TRUE		9	0.450	9	4	1.241	1.836	166
213	PAK1	TRUE			9	0.899	5	4	1.255	0.944	168
214	ZNF91				5	0.377	3	7	0.889	2.437	170
215	P4HB				2	0.787	9	3	2.818	0.718	171
216	DHRS7	TRUE			4	0.693	10	9	1.523	0.855	172
217	NAPRT1	TRUE			11	0.899	9	3	1.507	0.680	173
218	SUOX				8	0.875	9	5	0.685	0.791	174
219	ADRB2	TRUE	TRUE		7	0.546	2	9	1.171	2.085	175
220	TJP2	TRUE	TRUE		16	0.493	9	3	0.941	1.791	177
221	CYFIP1	TRUE	TRUE		13	0.792	4	8	0.566	1.211	179
222	TAGAP				4	0.449	3	9	0.610	2.169	180
223	ATP9A	TRUE			6	0.653	10	1	1.216	1.344	185
224	RGPD5	TRUE			1	0.865	5	6	1.714	0.758	186

225	ZNF347	TRUE			8	0.725	9	5	1.212	1.002	187
226	MYO1E	TRUE			7	0.704	10	7	1.191	0.903	190
227	CD79B				8	0.771	6	7	1.276	0.929	192
228	VPS26A	TRUE			5	0.566	1	3	0.898	2.825	193
229	IL21R				3	0.836	4	1	1.020	1.290	195
230	PLEK				3	0.413	5	4	1.351	2.028	196
231	STX17	TRUE			3	0.740	7	6	1.849	0.846	200
232	TMSB15B	TRUE			7	0.797	5	5	1.714	0.922	201
233	SORT1	TRUE			9	0.931	3	1	1.149	1.143	203
234	GBP5				1	0.356	7	3	1.028	2.112	204
235	NEIL1	TRUE	TRUE		11	0.834	7	3	1.291	0.842	207
236	NME3	TRUE			10	0.821	4	8	1.153	0.903	208
237	ZNF677	TRUE			3	0.463	8	7	2.026	1.367	212
238	DDX43	TRUE			5	0.722	5	8	1.487	0.970	214
239	PRSS23	TRUE	TRUE		10	0.413	7	3	0.940	1.955	216
240	AAED1	TRUE			6	0.622	5	6	0.569	1.490	218
241	SGCB	TRUE			7	0.713	6	1	1.064	1.335	220
242	VAV3	TRUE			7	0.785	2	5	1.060	1.542	222
243	EIF4EBP1	TRUE			7	0.834	3	2	0.633	1.385	225
244	ZNF256	TRUE			8	0.486	7	9	1.118	1.407	226
245	ZNF394	TRUE			7	0.772	5	7	1.470	0.861	228
246	MGAT4A	TRUE	TRUE		8	0.737	1	7	0.907	2.081	229
247	SPAG16	TRUE			3	0.499	6	7	1.653	1.433	231
248	ZBTB4	TRUE			10	0.781	2	4	0.674	1.647	233
249	TMEM65	TRUE	TRUE		9	0.866	5	3	0.800	0.947	234
250	GPR56				15	0.390	3	5	1.077	2.249	237
251	RASGEF1A	TRUE	TRUE		17	0.395	6	5	0.786	1.940	243
252	ZNF140	TRUE			7	0.823	2	3	0.835	1.528	246
253	ZDHHC2	TRUE		TRUE	8	0.596	1	9	0.816	2.310	249
254	KLF3	TRUE			9	0.943	2	3	0.734	1.235	250
255	SERPINE2	TRUE	TRUE		11	0.386	3	4	0.762	2.330	252
256	DLGAP1-AS1				2	0.867	4	9	0.945	0.676	253
257	CPT1B	TRUE			11	0.669	9	3	1.376	1.036	254
258	ERRFI1	TRUE	TRUE	TRUE	12	0.707	8	2	1.250	1.060	255
259	UBE2F				1	0.704	8	8	2.046	0.612	256
260	WWC2	TRUE			5	0.857	8	3	1.723	0.528	260
261	TMEM66	TRUE			6	0.506	1	6	0.785	2.672	261
262	TOR4A	TRUE	TRUE		9	0.664	8	8	1.710	0.761	262
263	DEPDC1	TRUE			2	0.467	4	4	1.784	1.749	266
264	ARHGAP8		TRUE		8	0.763	7	3	1.455	0.849	270
265	DHRS3	TRUE			11	0.612	2	8	0.743	1.769	271
266	SYNJ2	TRUE	TRUE		14	0.484	3	9	0.808	1.766	274
267	JAG2		TRUE		10	0.699	8	8	1.277	0.719	275
268	ECHDC2	TRUE	TRUE		2	0.610	5	10	1.674	0.974	276
269	TMEM237	TRUE			4	0.601	7	1	2.550	1.129	278
270	TYROBP				5	0.370	3	5	1.234	2.162	282
271	TNFSF8				2	0.770	4	5	2.247	0.805	283

272	MLC1				3	0.499	5	6	1.151	1.543	284
273	TECPR1	TRUE			7	0.813	7	4	0.652	0.791	286
274	ZNF177	TRUE			4	0.867	7	3	1.533	0.526	288
275	ZNF717				2	0.786	5	7	2.209	0.549	289
276	MAGEH1				3	0.459	8	6	1.653	1.317	293
277	SETD7	TRUE	TRUE		15	0.685	4	3	0.566	1.417	294
278	LAT2				4	0.366	6	10	0.619	1.668	297
279	EGR3	TRUE	TRUE		16	0.442	5	8	1.378	1.511	298
280	AP4S1	TRUE			7	0.757	9	6	1.193	0.593	299
281	SFXN3		TRUE		3	0.687	5	4	1.583	1.049	300
282	HPSE	TRUE	TRUE		2	0.580	5	2	1.508	1.427	304
283	ZNF805	TRUE			8	0.663	5	7	1.370	0.990	305
284	PDLIM1	TRUE	TRUE		12	0.817	3	1	0.840	1.255	306
285	MAP3K8	TRUE			13	0.507	3	10	0.546	1.642	307
286	IFITM3				1	0.416	8	3	1.702	1.541	308
287	TGFBR3	TRUE	TRUE	TRUE	11	0.505	3	10	0.457	1.664	309
288	ZNF285				1	0.648	10	4	1.523	0.843	310
289	LOC654433	TRUE			9	0.711	2	5	1.469	1.449	313
290	PLXND1	TRUE	TRUE		9	0.631	4	2	1.105	1.445	320
291	GOLM1	TRUE	TRUE		9	0.654	6	1	1.193	1.232	321
292	DLG5	TRUE			6	0.464	7	8	0.682	1.387	322
293	ZNF331	TRUE			18	0.411	5	8	0.681	1.670	323
294	ALDOC				3	0.718	2	4	1.659	1.417	324
295	BAG2	TRUE			7	0.560	2	6	0.901	1.858	327
296	NCF4				2	0.507	3	1	1.695	1.831	331
297	BEX2	TRUE		TRUE	5	0.385	6	3	1.122	1.803	334
298	RAB34	TRUE			12	0.663	8	3	0.876	1.022	335
299	SNX19	TRUE			7	0.541	7	9	1.315	0.997	337
300	S100B				1	0.375	8	5	2.141	1.387	343
301	FAM65B	TRUE	TRUE		7	0.358	6	7	0.968	1.662	348
302	C10orf128				2	0.688	3	2	0.749	1.459	350
303	ZNF230	TRUE			6	0.669	5	10	0.852	0.829	351
304	BCAN	TRUE	TRUE		4	0.813	7	5	1.700	0.398	353
305	SIGLEC7				5	0.667	2	8	0.947	1.421	355
306	CIDEB	TRUE			7	0.771	3	4	1.547	0.985	357
307	ZFP82	TRUE			9	0.500	8	6	0.912	1.226	358
308	EAPP	TRUE			3	0.690	6	6	1.586	0.731	367
309	AOAH				2	0.489	3	8	1.066	1.576	368
310	CENPN	TRUE			3	0.550	8	2	2.071	1.065	369
311	TMEM30B	TRUE			7	0.451	8	6	1.524	1.220	370
312	PPP1R9A	TRUE			10	0.640	5	5	0.524	1.190	371
313	ZNF627	TRUE			5	0.673	3	8	0.574	1.200	372
314	NINJ2				2	0.546	11	1	1.706	1.063	374
315	ZXDA	TRUE			2	0.624	7	5	1.599	0.870	376
316	PDE4D	TRUE	TRUE		24	0.406	11	7	0.746	1.292	379
317	HS6ST1	TRUE	TRUE		8	0.595	6	9	1.032	0.911	380
318	SPRY2	TRUE		TRUE	8	0.437	4	5	1.021	1.702	381

319	CA2	TRUE	TRUE		10	0.384	4	3	1.510	1.835	383
320	TMEFF1	TRUE		TRUE	13	0.746	6	7	0.968	0.632	385
321	KIAA1244	TRUE	TRUE		10	0.714	6	7	1.286	0.639	392
322	STK32C	TRUE	TRUE		13	0.817	5	6	1.212	0.524	393
323	ANKRD23				6	0.650	7	10	0.858	0.642	400
324	PTPLAD2	TRUE			5	0.367	4	9	0.744	1.688	401
325	NAP1L3				3	0.426	5	5	1.664	1.450	403
326	ITM2C	TRUE			5	0.595	4	2	1.390	1.327	406
327	ZNF514	TRUE	TRUE		6	0.469	3	8	1.285	1.511	410
328	PHACTR2	TRUE			5	0.392	4	7	1.494	1.562	412
329	ZC3HAV1L	TRUE			9	0.645	5	2	0.931	1.171	415
330	TMEM44	TRUE			7	0.811	6	4	0.847	0.581	417
331	AGO4	TRUE			8	0.527	2	9	0.621	1.685	419
332	PAK6	TRUE	TRUE		13	0.672	4	7	0.330	1.067	420
333	MIAT	TRUE			8	0.578	6	8	0.732	0.983	423
334	RINT1	TRUE		TRUE	2	0.657	7	5	1.105	0.795	424
335	RIPK3	TRUE	TRUE		8	0.756	4	7	0.612	0.782	429
336	SLC20A1	TRUE			10	0.606	5	1	0.745	1.328	430
337	ZNF35	TRUE			4	0.760	5	7	1.306	0.529	431
338	OXR1	TRUE			3	0.759	5	7	1.475	0.497	432
339	ARL4A	TRUE			9	0.491	7	4	1.474	1.177	434
340	AIFM2	TRUE	TRUE		6	0.647	5	1	1.204	1.133	435
341	B4GALT4	TRUE			5	0.656	3	9	0.886	1.018	441
342	OTUD1	TRUE			15	0.709	7	3	0.733	0.795	445
343	RHOH				3	0.451	6	10	1.145	1.086	446
344	DENND5A	TRUE			8	0.555	5	2	0.627	1.395	449
345	LILRB1				2	0.421	4	5	0.780	1.662	450
346	ITPRIPL2	TRUE	TRUE		8	0.767	3	3	0.822	1.020	452
347	ENO2	TRUE			10	0.610	2	8	0.688	1.444	456
348	NPRL3	TRUE			5	0.656	8	5	1.285	0.640	459
349	EML5	TRUE	TRUE		12	0.520	6	4	0.484	1.309	462
350	AGPAT6	TRUE			5	0.811	4	5	1.319	0.551	463
351	TSTD1	TRUE			7	0.462	3	4	0.634	1.757	471
352	FAM134B	TRUE	TRUE		14	0.562	8	4	0.827	1.000	472
353	CD164	TRUE			7	0.717	3	5	0.316	1.113	475
354	PYROXD2				3	0.506	8	8	1.597	0.787	476
355	PPP1R3B	TRUE			15	0.706	5	5	0.691	0.808	478
356	LTB4R	TRUE			4	0.648	4	5	1.564	0.889	480
357	GPR27	TRUE			2	0.400	4	7	1.332	1.461	481
358	ZNF18	TRUE			6	0.833	4	5	0.670	0.592	482
359	SLC40A1	TRUE	TRUE		6	0.657	4	3	1.657	0.948	483
360	GRHL1	TRUE	TRUE		14	0.483	7	5	0.820	1.186	485
361	IFNLR1	TRUE			9	0.656	6	4	1.490	0.739	486
362	SCARF1				5	0.718	4	3	1.627	0.791	488
363	PTGFRN	TRUE			10	0.597	6	1	1.370	1.055	489
364	UPP1	TRUE			14	0.463	7	9	0.630	1.066	490
365	DRG2	TRUE			4	0.578	10	5	1.069	0.742	491

366	BTBD3	TRUE			16	0.355	7	3	1.010	1.560	497
367	APOBEC3B				2	0.852	2	1	1.430	2.513	29
368	S100A9				3	0.458	3	1	0.965	3.230	40
369	RGCC	TRUE	TRUE		8	0.626	2	7	0.579	2.647	59
370	MYADM	TRUE			17	0.849	2	8	0.391	2.056	64
371	PBK	TRUE			4	0.687	2	1	1.629	2.464	78
372	SYNE1	TRUE	TRUE		7	0.873	2	8	0.415	1.593	134
373	TOX2	TRUE	TRUE		14	0.431	5	1	0.958	2.443	137
374	CD8A	TRUE	TRUE		8	0.550	2	5	0.480	2.485	156
375	LAIR2				2	0.748	2	6	0.566	1.837	176
376	CDK5R1	TRUE			13	0.697	2	7	0.481	1.871	189
377	KIAA0101				2	0.439	8	1	1.901	1.765	209
378	H2AFJ	TRUE			7	0.854	5	2	1.616	0.892	224
379	GALM				2	0.496	6	2	1.858	1.645	236
380	PLCB1	TRUE	TRUE		7	0.764	2	6	0.536	1.582	247
381	ACOT4	TRUE	TRUE		7	0.757	7	5	0.553	0.985	248
382	CDKN2A	TRUE	TRUE	TRUE	14	0.489	3	2	1.398	2.001	272
383	MYNN	TRUE			9	0.888	4	8	0.571	0.691	273
384	HTRA4	TRUE	TRUE		7	0.426	10	1	1.787	1.563	281
385	CHFR	TRUE		TRUE	10	0.897	2	10	0.678	0.936	285
386	DUSP4	TRUE	TRUE		29	0.668	2	5	0.551	1.771	291
387	CHCHD3	TRUE			3	0.683	7	1	2.185	0.953	295
388	RNASET2	TRUE	TRUE	TRUE	13	0.814	1	3	0.384	1.995	317
389	PSEN2	TRUE	TRUE		9	0.904	5	3	0.584	0.690	326
390	ANKRD50	TRUE			11	0.733	5	2	1.388	0.983	342
391	CBFA2T3	TRUE	TRUE	TRUE	25	0.883	8	2	1.101	0.443	346
392	ORAI3	TRUE			12	0.886	2	2	0.679	1.225	352
393	NELL2	TRUE			9	0.690	2	6	0.556	1.517	373
394	CDCA7L	TRUE			7	0.479	4	2	0.781	1.802	375
395	FAM89A	TRUE	TRUE		13	0.966	2	4	0.847	0.843	386
396	BIN2				7	0.781	1	10	0.487	1.589	387
397	UBASH3A				2	0.756	2	1	1.443	1.402	390
398	INHBE				2	0.471	5	2	1.506	1.548	391
399	MBP	TRUE	TRUE		15	0.806	2	6	0.404	1.181	411
400	CENPV	TRUE			8	0.478	2	5	0.880	1.963	416
401	YPEL1	TRUE			9	0.821	1	10	0.384	1.449	418
402	LY9				1	0.464	7	2	2.083	1.249	421
403	AGTRAP	TRUE			6	0.481	5	8	0.557	1.347	422
404	SSBP2	TRUE			16	0.696	1	7	0.588	1.850	433
405	BRD1	TRUE			3	0.428	10	7	1.948	0.942	436
406	FAM76B	TRUE			4	0.581	6	10	0.536	0.887	439
407	RALBP1	TRUE			10	0.942	1	2	1.545	1.285	442
408	PDE8A	TRUE	TRUE		18	0.683	2	8	0.273	1.368	444
409	LINC00294				2	0.579	11	7	0.536	0.770	447
410	KLF7	TRUE			7	0.779	4	4	0.497	0.844	458
411	TUSC1	TRUE			8	0.654	8	1	0.689	0.950	470
412	CRYBB2				3	0.479	7	8	1.315	0.968	473

413	ZNF649				6	0.492	7	10	1.285	0.840	474
414	PDE4A	TRUE	TRUE		33	0.641	2	7	0.364	1.447	477
415	YPEL2	TRUE	TRUE		14	0.658	3	2	0.349	1.396	484
416	ZNF702P	TRUE	TRUE		4	0.647	8	2	1.909	0.657	487
417	SLC22A3	TRUE	TRUE		10	0.773	4	2	0.857	0.846	492
418	FEZ1	TRUE			6	0.406	1	10	1.065	2.242	496
419	ABCG1	TRUE	TRUE		17	0.731	3	1	0.548	1.202	498