

Table S1. 241 GFI1B proximitome candidates sorted by intensity

	Gene	P value ^a	Fold change ^b	Average GFI1B-BirA* reads		Average BirA* reads	
				Total (\pm SD)	Intensity	Total (\pm SD)	Intensity
1	KDM1A ^c	3.6E-19	10.0	141.3 (\pm 7.6)	4.6E+09	31.3 (\pm 5.7)	4.6E+08
2	MKI67	3.8E-02	1.5	338.3 (\pm 11.7)	4.0E+09	177 (\pm 32.9)	2.7E+09
3	RCOR1 ^c	7.8E-16	11.1	97.3 (\pm 3.5)	3.0E+09	25.7 (\pm 1.5)	2.7E+08
4	GSE1 ^c	2.1E-08	9.0	137.3 (\pm 8.7)	3.0E+09	32 (\pm 5.3)	3.3E+08
5	HSPD1	4.0E-04	2.0	96.7 (\pm 6.4)	1.6E+09	66.7 (\pm 7.4)	8.0E+08
6	HNRNPH1	4.9E-02	1.3	40 (\pm 5.6)	1.4E+09	35.3 (\pm 5.5)	1.1E+09
7	GFI1B	5.0E-29	141.7	29 (\pm 9.6)	1.1E+09	2.7 (\pm 0.6)	7.4E+06
8	TOP2A	3.6E-02	1.4	107.3 (\pm 4)	9.5E+08	58 (\pm 14.7)	6.9E+08
9	SMARCA5	1.3E-02	1.4	54.3 (\pm 4)	5.6E+08	31 (\pm 3.5)	4.0E+08
10	BAZ1B	1.9E-04	2.4	74.3 (\pm 2.1)	5.1E+08	26.7 (\pm 6.8)	2.1E+08
11	RREB1 ^c	2.2E-20	33.6	67.7 (\pm 2.1)	4.8E+08	5.7 (\pm 2.9)	1.4E+07
12	HMG20B ^c	2.3E-09	7.8	20.7 (\pm 1.5)	4.4E+08	9.3 (\pm 1.2)	5.6E+07
13	HMG20A ^c	6.8E-04	3.9	27.7 (\pm 1.2)	4.4E+08	7.7 (\pm 2.5)	1.1E+08
14	BCOR	1.7E-04	3.4	77 (\pm 4)	4.3E+08	25 (\pm 5)	1.3E+08
15	CHD4	5.8E-03	1.8	79.3 (\pm 2.1)	4.2E+08	43 (\pm 11.1)	2.4E+08
16	HDAC1 ^c	4.6E-03	3.6	37 (\pm 2)	3.9E+08	23.3 (\pm 7.2)	1.1E+08
17	ADNP	4.2E-02	2.4	58 (\pm 7.9)	3.1E+08	22.7 (\pm 5.1)	1.3E+08
18	NOL6	3.4E-02	1.4	49.7 (\pm 3.8)	3.0E+08	29.7 (\pm 2.5)	2.2E+08
19	DLD	2.3E-03	1.6	21.3 (\pm 3.2)	3.0E+08	23 (\pm 5.3)	1.9E+08
20	SMC1A	9.7E-09	3.7	53.7 (\pm 5.1)	2.9E+08	14.3 (\pm 1.5)	7.9E+07
21	EBNA1BP2	3.3E-03	1.7	16.3 (\pm 1.2)	2.7E+08	10.3 (\pm 0.6)	1.6E+08
22	PKP3	3.2E-03	2.2	44.7 (\pm 2.1)	2.5E+08	18.3 (\pm 0.6)	1.2E+08
23	SMC3	3.8E-07	4.2	51.7 (\pm 5.1)	2.5E+08	11.7 (\pm 4.5)	5.9E+07
24	ZC3H18	1.4E-02	1.4	37 (\pm 4.4)	2.3E+08	17 (\pm 2.6)	1.7E+08
25	MCM6	1.2E-02	1.2	33.7 (\pm 2.5)	2.1E+08	20.3 (\pm 2.1)	1.8E+08
26	DDX5	3.0E-02	1.7	31 (\pm 5.2)	2.1E+08	13.7 (\pm 2.5)	1.2E+08
27	URB1	9.1E-05	1.9	42 (\pm 5.3)	1.9E+08	18.3 (\pm 2.1)	1.0E+08
28	HIC2	4.4E-04	2.3	17.3 (\pm 0.6)	1.9E+08	7 (\pm 1.7)	8.4E+07
29	RCOR3	4.1E-18	34.5	31.3 (\pm 0.6)	1.9E+08	2.3 (\pm 1.5)	5.5E+06
30	IPO7	8.7E-06	9.5	30 (\pm 1.7)	1.9E+08	5.7 (\pm 0.6)	2.0E+07
31	XRN2	1.3E-02	1.2	41 (\pm 1.7)	1.9E+08	22.7 (\pm 5.5)	1.5E+08
32	NCOR2	1.3E-05	8.2	51.3 (\pm 4.5)	1.8E+08	5.7 (\pm 3.1)	2.2E+07
33	ANKHD1	4.4E-02	1.1	41 (\pm 1)	1.7E+08	24 (\pm 8.2)	1.5E+08
34	AGO2	3.9E-02	1.0	25.3 (\pm 3.2)	1.6E+08	17.7 (\pm 1.2)	1.7E+08
35	ARID1A	5.4E-07	3.9	51 (\pm 2)	1.5E+08	9.3 (\pm 2.9)	3.9E+07

36	BUD13	1.6E-02	1.6	7.3 (±0.6)	1.5E+08	2.3 (±1.2)	9.2E+07
37	BLM	2.0E-02	1.6	37 (±3.5)	1.4E+08	16 (±1.7)	9.1E+07
38	SET	2.1E-02	2.0	9 (±1.7)	1.4E+08	5.3 (±1.5)	7.1E+07
39	HDAC3	7.6E-07	4.9	8.7 (±1.2)	1.4E+08	6.3 (±2.1)	2.9E+07
40	ARID3A	1.1E-05	12.1	36.7 (±1.5)	1.4E+08	2.7 (±1.5)	1.2E+07
41	PBRM1	3.4E-04	2.2	36.3 (±1.2)	1.4E+08	13.3 (±1.5)	6.3E+07
42	PHF21A ^c	1.6E-08	20.0	26.3 (±2.5)	1.3E+08	1.3 (±0.6)	6.5E+06
43	TNRC6A	5.7E-05	1.9	35.3 (±0.6)	1.3E+08	16.3 (±3.2)	6.8E+07
44	ZNF609	4.7E-06	5.3	28.7 (±1.5)	1.3E+08	6.3 (±1.5)	2.4E+07
45	RUNX1	1.3E-05	7.3	18 (±1)	1.3E+08	6.3 (±0.6)	1.7E+07
46	MYBBP1A	6.3E-03	1.7	53.3 (±2.5)	1.3E+08	17.7 (±5.5)	7.5E+07
47	CUX1	7.8E-06	3.7	23.7 (±3.8)	1.2E+08	6 (±2.6)	3.3E+07
48	BIRC2	6.6E-03	2.6	22.7 (±1.5)	1.2E+08	12.7 (±2.1)	4.8E+07
49	GARS	1.9E-02	5.6	14 (±1)	1.2E+08	9 (±1.7)	2.2E+07
50	ZNF451	1.0E-04	7.7	9.3 (±2.5)	1.2E+08	4.3 (±2.1)	1.6E+07
51	CUX1	1.6E-05	4.5	27.3 (±3.1)	1.2E+08	7 (±1)	2.7E+07
52	TCF12	3.8E-05	2.3	23.7 (±3.5)	1.2E+08	18 (±1)	5.3E+07
53	USP34	8.9E-05	43.3	35.3 (±8.4)	1.2E+08	1.7 (±1.2)	2.8E+06
54	ARID1B	4.9E-13	19.9	39 (±7.2)	1.2E+08	2.7 (±0.6)	5.8E+06
55	OAT	1.1E-02	1.2	16.3 (±0.6)	1.1E+08	12.3 (±1.5)	9.6E+07
56	GTPBP4	2.9E-02	2.3	30.3 (±3.1)	1.1E+08	10.3 (±2.1)	4.9E+07
57	IKZF1	7.0E-08	4.2	35.3 (±11.2)	1.1E+08	14 (±6.1)	2.6E+07
58	NOP14	4.8E-03	9.7	30.3 (±1.5)	1.1E+08	3 (±1)	1.1E+07
59	FTSJ3	2.8E-02	2.2	27.7 (±0.6)	1.1E+08	13.7 (±2.1)	4.8E+07
60	UBN2	9.5E-04	1.9	23.7 (±0.6)	1.0E+08	7.7 (±3.2)	5.4E+07
61	ZMYM2 ^c	2.1E-03	37.2	23.3 (±3.5)	1.0E+08	1.7 (±0.6)	2.7E+06
62	UBTF	6.7E-03	6.2	17.3 (±0.6)	9.7E+07	3 (±1.7)	1.6E+07
63	AHDC1	3.1E-05	7.9	29 (±2.6)	9.5E+07	4 (±0)	1.2E+07
64	JMJD1C	2.7E-07	7.2	29.3 (±1.5)	9.2E+07	4 (±0)	1.3E+07
65	PDCD11	9.3E-12	5.2	34.7 (±1.5)	8.6E+07	7 (±1.7)	1.6E+07
66	SATB2	1.9E-02	7.8	20.7 (±5)	8.3E+07	1.7 (±2.1)	1.1E+07
67	SMARCD2	9.1E-03	1.6	19.3 (±1.5)	8.1E+07	14.7 (±2.1)	5.0E+07
68	PRDM2	2.1E-13	42.2	24.7 (±0.6)	7.7E+07	0.7 (±0.6)	1.8E+06
69	NOL10	4.9E-02	4.4	21 (±4)	7.6E+07	5 (±1)	1.7E+07
70	EHMT1	8.2E-03	2.0	19.7 (±3.5)	7.4E+07	7.3 (±1.5)	3.8E+07
71	TCF20	6.2E-09	11.7	28 (±1.7)	7.3E+07	3 (±2)	6.2E+06
72	KNOP1	6.3E-04	2.9	19.3 (±2.3)	7.1E+07	7 (±2.6)	2.5E+07
73	FADS1	6.3E-03	1.7	11.3 (±1.5)	7.1E+07	10 (±1)	4.3E+07

74	ARID3B	2.2E-08	8.0	16 (±1)	7.0E+07	3 (±1.7)	8.8E+06
75	MSH6	4.8E-02	1.5	24 (±3)	7.0E+07	9.3 (±1.2)	4.6E+07
76	BMS1	6.0E-05	3.3	32.7 (±3.1)	6.8E+07	5.7 (±1.2)	2.1E+07
77	AATF	1.6E-02	2.1	19.7 (±2.9)	6.5E+07	7.7 (±1.5)	3.1E+07
78	RSL1D1	4.0E-02	1.4	17 (±1)	6.5E+07	8.3 (±2.5)	4.5E+07
79	ATAD2	1.5E-02	2.1	21.3 (±1.2)	6.3E+07	8 (±3.6)	3.0E+07
80	HNRNPH3	2.5E-02	2.1	5.3 (±0.6)	6.3E+07	5 (±1)	3.0E+07
81	SCD	1.2E-03	1.7	8.3 (±1.5)	6.3E+07	5.3 (±2.3)	3.7E+07
82	EHMT2	1.8E-06	3.5	18 (±1)	5.9E+07	4 (±1)	1.7E+07
83	SDHA	8.4E-03	2.0	11.3 (±0.6)	5.3E+07	5.3 (±1.5)	2.6E+07
84	DDB1	1.1E-03	2.7	15.3 (±2.1)	5.0E+07	5.3 (±2.1)	1.9E+07
85	ELMSAN1	8.0E-05	7.8	22.3 (±3.2)	4.7E+07	3.3 (±1.5)	6.0E+06
86	PHIP	1.0E-03	5.4	16 (±1)	4.6E+07	2.7 (±0.6)	8.4E+06
87	MAGEC1	3.1E-04	3.0	6.3 (±0.6)	4.5E+07	1.7 (±0.6)	1.5E+07
88	CBFA2T3	1.5E-04	3.6	9.7 (±2.1)	4.5E+07	3 (±1.7)	1.2E+07
89	LIN54	3.2E-03	2.3	17.3 (±2.5)	4.5E+07	5.7 (±1.2)	1.9E+07
90	FBRS	9.9E-03	2.3	8 (±0)	4.3E+07	3 (±1)	1.9E+07
91	ZNF518B	2.3E-05	4.6	15 (±0)	4.2E+07	2.3 (±0.6)	9.2E+06
92	CLPX	1.7E-06	4.1	11 (±1)	4.1E+07	3 (±1)	1.0E+07
93	NCLN	7.1E-08	5.3	8.3 (±0.6)	4.1E+07	3.3 (±2.9)	7.7E+06
94	DDX24	4.6E-02	1.2	21 (±3)	4.1E+07	6.7 (±2.3)	3.5E+07
95	IARS2	2.4E-03	2.7	9.7 (±2.1)	4.1E+07	3.7 (±0.6)	1.5E+07
96	ABCB10	4.1E-03	8.5	11.7 (±2.1)	3.9E+07	2.3 (±1.2)	4.5E+06
97	FANCI	4.0E-04	2.1	12.3 (±2.5)	3.8E+07	7.7 (±1.5)	1.8E+07
98	ZNF384	7.4E-03	8.2	11 (±0)	3.7E+07	1 (±0)	4.5E+06
99	ZNF644	6.9E-10	6.9	17 (±2)	3.7E+07	2.3 (±1.2)	5.3E+06
100	MPHOSPH10	2.2E-08	3.7	18 (±3)	3.6E+07	6 (±2)	9.6E+06
101	MTF2	4.7E-14	47.3	2.7 (±0.6)	3.5E+07	0.3 (±0.6)	7.3E+05
102	EIF4A3	1.5E-02	1.5	7.7 (±0.6)	3.3E+07	6.7 (±2.3)	2.3E+07
103	RCOR2	‡	‡	10 (±2.6)	3.3E+07	0	0
104	NOL11	3.2E-11	20.6	7.7 (±1.2)	3.2E+07	0.7 (±0.6)	1.6E+06
105	CHD1	1.3E-04	10.4	17 (±2)	3.2E+07	2 (±2)	3.1E+06
106	ZEB2	1.7E-02	2.3	10 (±1)	3.2E+07	3.7 (±0.6)	1.4E+07
107	DDX27	1.5E-06	5.8	11.3 (±2.1)	3.0E+07	2 (±0)	5.2E+06
108	RBM15	3.2E-03	2.9	15.3 (±1.5)	3.0E+07	5 (±2)	1.0E+07
109	TRIM41	2.8E-11	7.0	9.3 (±1.5)	2.8E+07	1.7 (±0.6)	4.0E+06
110	L3MBTL3	4.0E-12	15.2	11 (±1.7)	2.6E+07	0.7 (±0.6)	1.7E+06
111	UTP3	6.0E-05	7.5	13.7 (±2.3)	2.6E+07	1.3 (±1.2)	3.5E+06

112	PIAS2	1.8E-11	7.8	8 (±0)	2.5E+07	1 (±0)	3.3E+06
113	SSBP2	5.2E-05	3.7	1.7 (±0.6)	2.5E+07	1.3 (±1.2)	6.9E+06
114	NCOA1	2.9E-05	10.0	5 (±1)	2.1E+07	0.7 (±0.6)	2.1E+06
115	ESF1	6.0E-04	4.3	10 (±3.6)	2.0E+07	1.7 (±2.1)	4.6E+06
116	CUL4B	9.3E-06	23.3	1.3 (±0.6)	1.9E+07	0.3 (±0.6)	8.3E+05
117	ORC2	1.3E-10	5.9	6 (±1.7)	1.9E+07	1.7 (±0.6)	3.3E+06
118	ZFPM1	‡	‡	6 (±1)	1.9E+07	0	0
119	DIDO1	2.6E-02	1.0	10 (±2)	1.9E+07	4.3 (±1.5)	1.9E+07
120	MCM5	4.0E-03	1.4	8 (±1)	1.9E+07	4 (±1.7)	1.3E+07
121	IQSEC1	4.9E-13	13.1	7 (±1.7)	1.8E+07	0.3 (±0.6)	1.4E+06
122	LDB2	‡	‡	2 (±0)	1.8E+07	0	0
123	USP36	6.8E-16	11.9	8 (±1)	1.7E+07	0.7 (±0.6)	1.4E+06
124	PIAS1	‡	‡	6.7 (±1.2)	1.7E+07	0	0
125	FOXP4	4.4E-11	13.5	7.7 (±0.6)	1.7E+07	0.7 (±1.2)	1.2E+06
126	SUPT16H	1.9E-04	3.3	7.7 (±1.2)	1.7E+07	2 (±0)	5.0E+06
127	BCORL1	‡	‡	19.3 (±4.6)	1.7E+07	0	0
128	PHF14	9.5E-04	2.4	8.3 (±0.6)	1.6E+07	2 (±0)	6.7E+06
129	UTP18	5.7E-03	7.7	8.7 (±1.5)	1.6E+07	1 (±0)	2.1E+06
130	TMEM209	1.9E-02	2.1	6 (±1)	1.6E+07	3.7 (±1.2)	7.9E+06
131	NR2C2	‡	‡	9 (±1)	1.6E+07	0	0
132	PCGF1	1.2E-03	6.6	5 (±0)	1.6E+07	0.7 (±1.2)	2.4E+06
133	ZMYM3 ^c	1.7E-02	2.2	6.7 (±1.2)	1.6E+07	1.7 (±2.1)	7.2E+06
134	EPC2	2.1E-02	1.6	8.3 (±1.5)	1.6E+07	3.7 (±2.9)	9.9E+06
135	EED	3.1E-03	3.2	7 (±2)	1.5E+07	3 (±1.7)	4.8E+06
136	ZNF512B	1.9E-06	32.1	8 (±1)	1.5E+07	0.3 (±0.6)	4.7E+05
137	RRP1B	1.7E-03	5.8	8 (±2)	1.5E+07	0.7 (±0.6)	2.6E+06
138	CPS1	4.6E-02	3.2	1.7 (±0.6)	1.5E+07	0.3 (±0.6)	4.7E+06
139	LONP1	6.0E-05	2.5	10 (±1)	1.4E+07	2.3 (±2.1)	5.7E+06
140	PRDM10	‡	‡	2 (±1)	1.4E+07	0	0
141	NSD3	5.3E-12	14.7	7.3 (±2.3)	1.4E+07	0.7 (±0.6)	9.3E+05
142	RCL1	3.5E-02	1.4	5 (±1)	1.4E+07	3.3 (±1.2)	9.8E+06
143	UTP6	1.7E-03	5.2	5.7 (±1.2)	1.3E+07	1 (±1)	2.5E+06
144	ORC3	2.6E-02	5.5	6 (±3)	1.3E+07	0.7 (±0.6)	2.3E+06
145	PPOX	9.0E-07	8.4	4.7 (±0.6)	1.3E+07	0.7 (±0.6)	1.5E+06
146	NOL4	‡	‡	3.3 (±0.6)	1.3E+07	0	0
147	KDM5B	2.0E-05	17.9	10.3 (±2.5)	1.3E+07	0.7 (±1.2)	7.0E+05
148	TAL1	3.6E-05	12.0	4.3 (±2.3)	1.2E+07	0.7 (±0.6)	1.0E+06
149	NEPRO	5.3E-03	4.2	4.7 (±1.2)	1.2E+07	1 (±0)	2.9E+06

150	FOXL2	2.1E-03	9.6	2 (±1)	1.2E+07	0.7 (±0.6)	1.2E+06
151	ZNF217 ^c	‡	‡	5.3 (±0.6)	1.2E+07	0	0
152	CHD9	‡	‡	8 (±1)	1.1E+07	0	0
153	NKTR	‡	‡	5.3 (±2.3)	1.1E+07	0	0
154	PPA2	3.4E-02	3.6	1.3 (±1.2)	1.1E+07	1 (±1)	3.0E+06
155	IK	4.6E-02	1.3	6.7 (±1.5)	1.1E+07	3.7 (±2.1)	8.2E+06
156	ARVCF	‡	‡	8.3 (±1.2)	1.1E+07	0	0
157	CSNK2A1	‡	‡	5.3 (±2.1)	1.1E+07	0	0
158	TET2	‡	‡	3.7 (±1.5)	1.0E+07	0	0
159	PLOD1	‡	‡	5.7 (±2.1)	1.0E+07	0	0
160	PIGT	3.1E-06	18.1	3 (±3)	1.0E+07	0.3 (±0.6)	5.7E+05
161	MDN1	6.7E-03	2.8	8.3 (±3.5)	1.0E+07	2 (±1)	3.7E+06
162	FUBP3	4.4E-02	4.4	3.7 (±0.6)	1.0E+07	0.3 (±0.6)	2.3E+06
163	PWP2	‡	‡	6 (±1)	9.9E+06	0	0
164	ADSL	2.6E-02	3.2	5.3 (±3.2)	9.7E+06	3.3 (±1.2)	3.0E+06
165	HMX3	‡	‡	1 (±0)	9.6E+06	0	0
166	PINX1	1.1E-02	2.3	4.3 (±1.2)	9.6E+06	2 (±0)	4.2E+06
167	RAI1	2.0E-02	20.3	7 (±3.5)	9.5E+06	0.3 (±0.6)	4.7E+05
168	SLTM	‡	‡	4 (±1)	9.3E+06	0	0
169	FBRSL1	2.5E-02	7.7	6.7 (±1.5)	9.2E+06	0.7 (±1.2)	1.2E+06
170	INCENP	4.1E-04	4.5	4 (±0)	9.1E+06	0.7 (±0.6)	2.0E+06
171	PITX1	1.2E-02	12.8	2 (±1)	8.9E+06	0.3 (±0.6)	7.0E+05
172	SRRT	1.3E-02	1.8	6 (±1)	8.8E+06	3 (±2.6)	4.9E+06
173	WDR43	1.6E-02	8.5	6 (±0)	8.7E+06	1 (±0)	1.0E+06
174	FAM83A	9.3E-04	7.6	5 (±1)	8.6E+06	1.3 (±1.2)	1.1E+06
175	RAVER1	9.7E-04	3.4	6.7 (±2.9)	8.5E+06	2 (±0)	2.5E+06
176	WT1	5.6E-03	2.2	2.3 (±0.6)	8.5E+06	1.3 (±0.6)	3.9E+06
177	RPF2	4.2E-02	2.0	4 (±0)	8.4E+06	3 (±1.7)	4.2E+06
178	STRBP	‡	‡	3.7 (±3.1)	8.3E+06	0	0
179	UBE3C	5.9E-03	20.6	6.7 (±1.5)	8.2E+06	0.3 (±0.6)	4.0E+05
180	SENP6	6.8E-03	20.3	7.3 (±2.3)	8.1E+06	0.3 (±0.6)	4.0E+05
181	NOM1	3.8E-02	2.8	5 (±1)	8.0E+06	1.3 (±0.6)	2.9E+06
182	PRKD2	2.5E-02	1.9	4.7 (±1.2)	7.9E+06	1.3 (±0.6)	4.1E+06
183	FASTKD1	1.4E-02	2.0	4 (±1)	7.8E+06	1.7 (±1.2)	4.0E+06
184	VPS72	5.1E-03	2.0	4 (±1)	7.8E+06	1 (±0)	3.8E+06
185	OPA1	4.0E-02	3.4	6 (±2.6)	7.8E+06	0.7 (±1.2)	2.3E+06
186	POM121	4.2E-02	1.5	4 (±1)	7.6E+06	1.7 (±1.2)	4.9E+06
187	KIF22	‡	‡	4.3 (±2.1)	7.6E+06	0	0

188	TTLL12	8.4E-03	1.8	6.7 (±2.1)	7.5E+06	1.7 (±1.5)	4.1E+06
189	MORC2	‡	‡	4.7 (±1.5)	7.3E+06	0	0
190	BAZ1A	‡	‡	5 (±2.6)	7.3E+06	0	0
191	BRD3	‡	‡	1 (±0)	7.3E+06	0	0
192	CLSPN	2.5E-02	6.5	4.7 (±1.5)	7.2E+06	0.7 (±1.2)	1.1E+06
193	PRKCI	5.7E-06	8.9	2.3 (±1.5)	7.1E+06	0.3 (±0.6)	8.0E+05
194	SSBP3	9.7E-05	5.2	2 (±1)	6.9E+06	0.7 (±0.6)	1.3E+06
195	YTHDC1	4.3E-02	16.7	3 (±1)	6.7E+06	0.3 (±0.6)	4.0E+05
196	POLRMT	2.2E-02	1.7	4.7 (±2.1)	6.6E+06	1.7 (±1.2)	3.8E+06
197	PRKCA	3.1E-02	11.0	6 (±2)	6.6E+06	0.7 (±0.6)	6.0E+05
198	TMED9	4.2E-02	3.1	1.3 (±0.6)	6.3E+06	0.7 (±0.6)	2.0E+06
199	TCF3	‡	‡	5 (±1)	6.3E+06	0	0
200	PGM2	3.3E-04	36.9	3 (±1.7)	6.0E+06	0.7 (±1.2)	1.6E+05
201	ZBTB33	‡	‡	3.7 (±1.2)	6.0E+06	0	0
202	DDX54	‡	‡	4.7 (±1.2)	6.0E+06	0	0
203	TLE1	‡	‡	1 (±0)	5.8E+06	0	0
204	RAD54L2	‡	‡	3.3 (±1.5)	5.6E+06	0	0
205	KDM2A	‡	‡	2.7 (±1.2)	5.5E+06	0	0
206	ZBTB9	‡	‡	2.7 (±1.2)	5.5E+06	0	0
207	TARS2	4.6E-02	5.0	1 (±1)	5.5E+06	0.7 (±1.2)	1.1E+06
208	WDR46	‡	‡	3.3 (±1.2)	5.4E+06	0	0
209	DDX56	7.5E-11	20.0	1.3 (±0.6)	5.3E+06	0.3 (±0.6)	2.7E+05
210	KMT2C	3.2E-03	33.5	5.3 (±1.2)	5.1E+06	0.3 (±0.6)	1.5E+05
211	TUBGCP4	5.0E-03	2.6	4.7 (±2.1)	5.0E+06	0.7 (±0.6)	2.0E+06
212	INTS6	‡	‡	3.7 (±1.2)	4.8E+06	0	0
213	XPC	2.2E-04	10.9	2.3 (±1.5)	4.7E+06	0.3 (±0.6)	4.3E+05
214	CWC27	‡	‡	3.7 (±1.2)	4.7E+06	0	0
215	EPC1	4.0E-02	2.6	3.7 (±1.2)	4.6E+06	0.7 (±0.6)	1.8E+06
216	CDK5RAP1	‡	‡	3.3 (±2.1)	4.5E+06	0	0
217	HMGB1P1	3.4E-04	2.7	1 (±1)	4.3E+06	0.3 (±0.6)	1.6E+06
218	LIN9	2.2E-09	11.5	5.7 (±0.6)	4.2E+06	0.7 (±1.2)	3.7E+05
219	EWSR1	1.3E-04	4.6	2 (±0)	4.1E+06	0.3 (±0.6)	9.0E+05
220	FAM83H	1.7E-03	12.8	3.3 (±1.5)	4.0E+06	0.3 (±0.6)	3.1E+05
221	MTO1	1.3E-03	3.0	3 (±0)	3.9E+06	0.3 (±0.6)	1.3E+06
222	RRP1	6.3E-05	7.3	1.7 (±0.6)	3.9E+06	0.3 (±0.6)	5.3E+05
223	SLU7	8.7E-03	11.5	3.7 (±1.5)	3.8E+06	0.3 (±0.6)	3.3E+05
224	CHTF18	9.1E-10	6.1	4.7 (±0.6)	3.7E+06	0.3 (±0.6)	6.0E+05
225	ERCC4	5.7E-07	7.1	4.7 (±1.2)	3.5E+06	0.3 (±0.6)	5.0E+05

226	ORC1	5.0E-04	5.3	2.3 (± 1.2)	3.5E+06	0.3 (± 0.6)	6.7E+05
227	RBFOX1	2.8E-03	3.7	1 (± 0)	3.2E+06	0.7 (± 0.6)	8.7E+05
228	RAD18	3.1E-03	6.0	1.7 (± 2.1)	3.2E+06	0.7 (± 0.6)	5.4E+05
229	SLC25A37	3.4E-09	14.1	2.7 (± 0.6)	3.1E+06	0.3 (± 0.6)	2.2E+05
230	STIL	1.6E-02	3.8	1.7 (± 0.6)	2.9E+06	0.3 (± 0.6)	7.7E+05
231	KMT2B	1.7E-02	3.8	2.7 (± 1.5)	2.9E+06	0.7 (± 0.6)	7.7E+05
232	MAP1S	4.2E-02	18.6	3.3 (± 1.2)	2.8E+06	0.3 (± 0.6)	1.5E+05
233	RBM6	3.0E-02	4.2	3 (± 1)	2.8E+06	0.3 (± 0.6)	6.7E+05
234	CLK3	1.4E-03	4.2	2.7 (± 0.6)	2.6E+06	0.7 (± 1.2)	6.3E+05
235	HMGB3	3.9E-02	3.4	1 (± 0)	2.6E+06	0.3 (± 0.6)	7.7E+05
236	CSNK2B	6.4E-03	3.7	1 (± 1.7)	2.4E+06	0.3 (± 0.6)	6.3E+05
237	CPT1A	5.1E-03	2.0	2 (± 1)	2.3E+06	0.3 (± 0.6)	1.2E+06
238	AGPAT5	2.3E-12	7.3	1 (± 1)	2.1E+06	1 (± 0)	2.9E+05
239	KIAA0391	4.0E-02	3.2	2.7 (± 0.6)	2.1E+06	1.3 (± 0.6)	6.6E+05
240	FPGS	2.7E-19	17.7	1.7 (± 0.6)	1.2E+06	0.3 (± 0.6)	7.0E+04
241	SNAP47	2.4E-02	1.4	1 (± 1)	1.5E+05	0.7 (± 0.6)	1.1E+05

^a Determined by 2 tailed t-distribution of ranked BirA* intensities comparing the closest 20 points by nonparametric regression and spline smoothing

^b Determined by GF11B-BirA* and BirA* intensities

^c Known LSD1-BHC complex members

[#] Unable to calculate due to BirA* zero intensity