

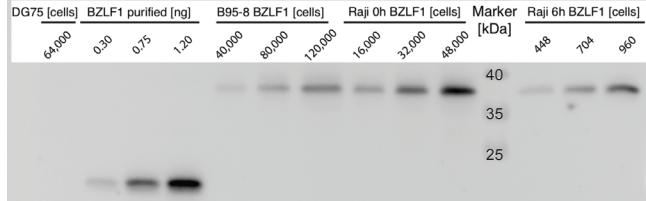
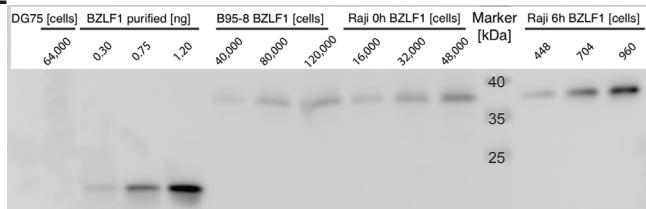
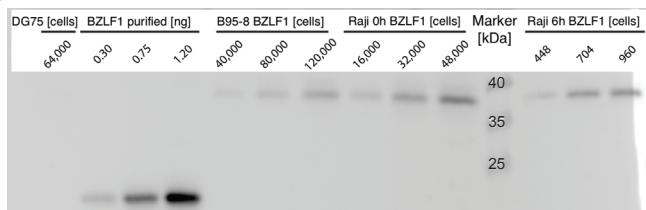
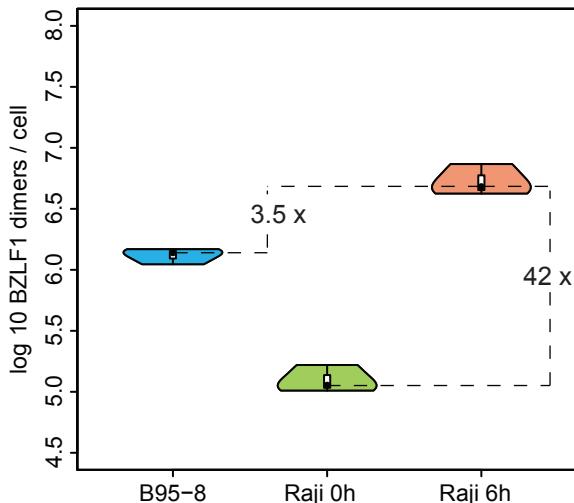
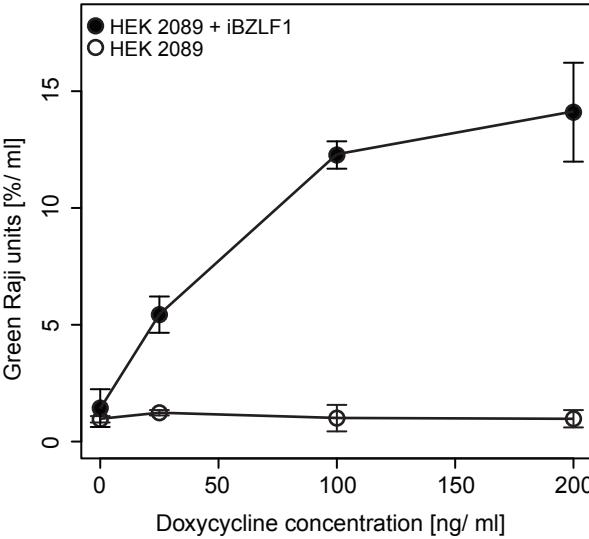
A₁A₂A₃

Figure S1

B



C



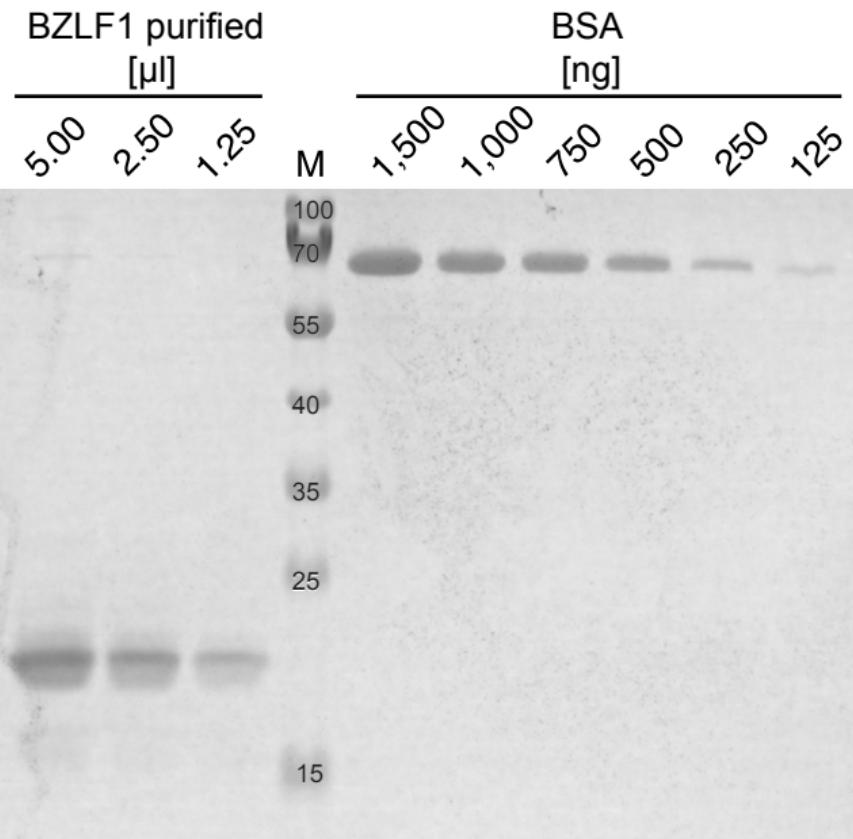
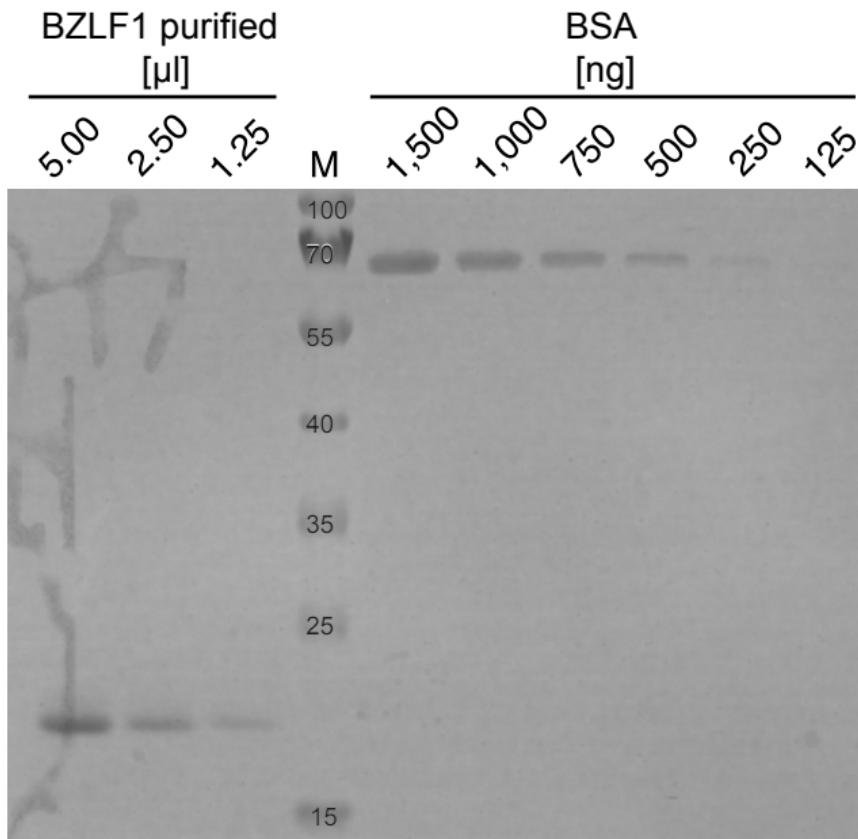
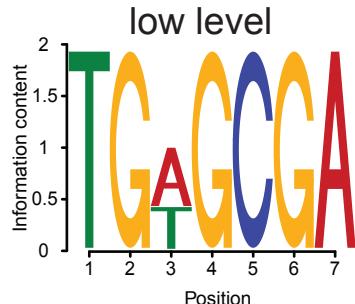
A**Figure S2****B**

Figure S3

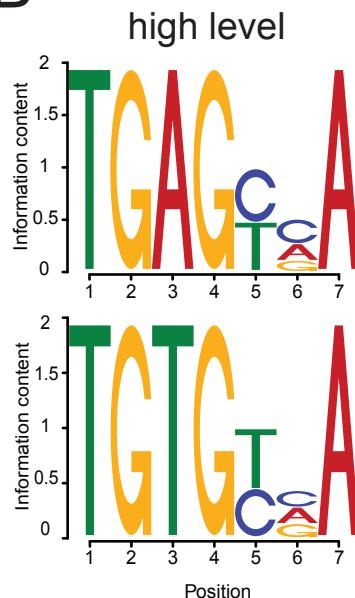
Raji iBZLF1

A



within 30346 sequences					
Motif	RC Motif	Positive	Negative	P-value	E-value
TCGCWCA	<u>TGWGCGA</u>	21387	1543	7.3e-6832	3.4e-6827
TCGCTCA	<u>TGAGCGA</u>	12716	775	1.6e-3438	7.3e-3434
TCGCACA	<u>TGTGCGA</u>	9211	803	5.9e-2107	2.7e-2102

B



within 145544 sequences					
Motif	RC Motif	Positive	Negative	P-value	E-value
TBRCTCA	<u>TGAGYVA</u>	110167	50296	1.8e-11160	8.3e-11156
TGACTCA	<u>TGAGTCA</u>	38251	11185	2.9e-4064	1.4e-4059
TGGCTCA	<u>TGAGCCA</u>	40353	13528	1.2e-3696	5.8e-3692
TTGCTCA	<u>TGAGCAA</u>	33772	13527	3.6e-2312	1.7e-2307
TCGCTCA	<u>TGAGCGA</u>	16240	3333	5.3e-2149	2.5e-2144
TTACTCA	<u>TGAGTAA</u>	22306	6824	9.0e-2084	4.2e-2079
TCACTCA	<u>TGAGTGA</u>	17785	12185	3.3e-257	1.5e-252

Motif	RC Motif	Positive	Negative	P-value	E-value
TBRCACA	<u>TGTGYVA</u>	80012	50325	1.2e-2681	5.5e-2677
TTGCACA	<u>TGTGCAA</u>	24280	12999	1.0e-864	4.7e-860
TCGCACA	<u>TGTGCGA</u>	10454	3468	8.5e-838	3.9e-833
TTACACA	<u>TGTGTAA</u>	16914	7956	7.8e-785	3.6e-780
TGACACA	<u>TGTGTCA</u>	22354	12890	2.0e-637	8.9e-633
TGGCACA	<u>TGTGCCA</u>	20046	14474	5.5e-225	2.5e-220
TCACACA	<u>TGTGTGA</u>	16530	13985	8.1e-054	3.7e-049

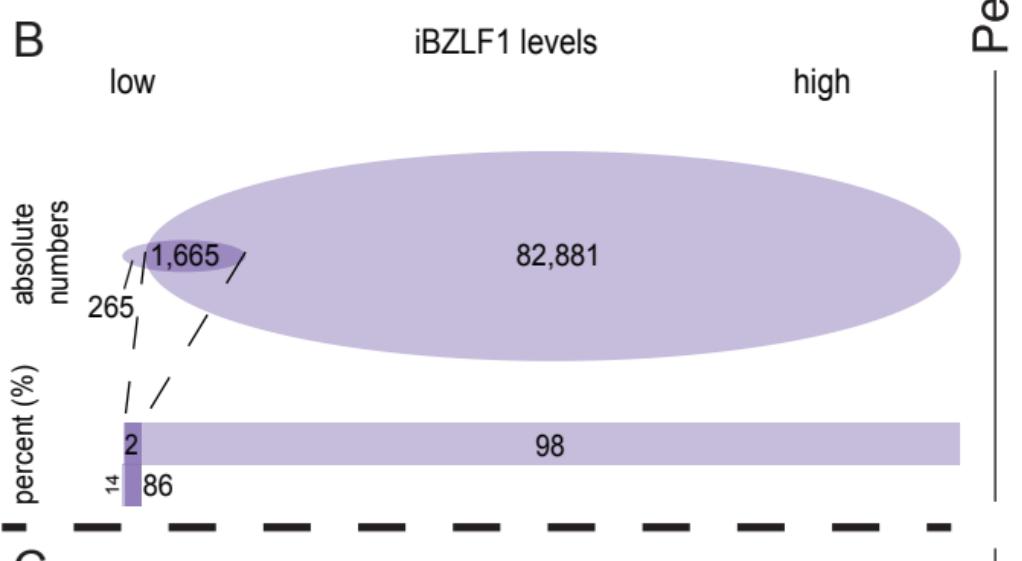
Figure S4

Raji iBZLF1 cells

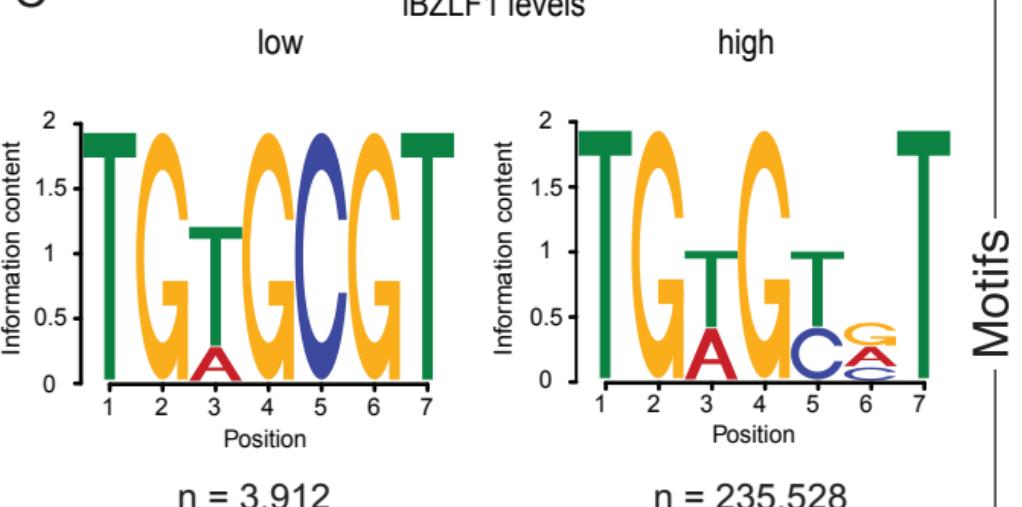
A

BZLF1 level	low	high
ChIP peaks	30,346	145,544
peaks with ≥ 1 major BZLF1 motifs	1,930 (6 %)	84,546 (58 %)

B



C



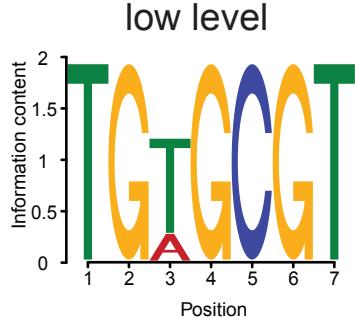
D

2.0 motifs/peak
(3,912 motifs/1,930 peaks) 2.8 motifs/peak
(235,528 motifs/84,546 peaks)

A

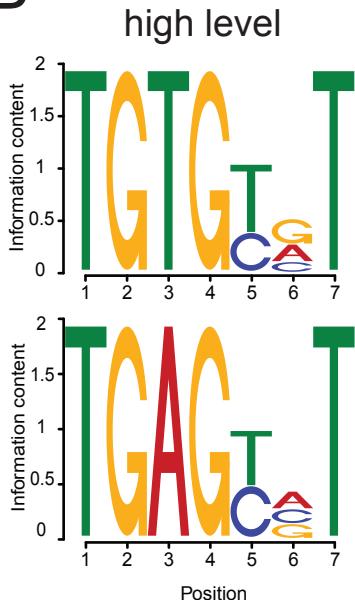
Figure S5

Raji iBZLF1



within 1930 sequences					
Motif	RC Motif	Positive 1930	Negative 505	P-value	E-value
ACGCWCA	<u>TGWGCGT</u>				
ACGCACA	<u>TGTGCGT</u>	1371	445	3.7e-204	1.7e-199

B

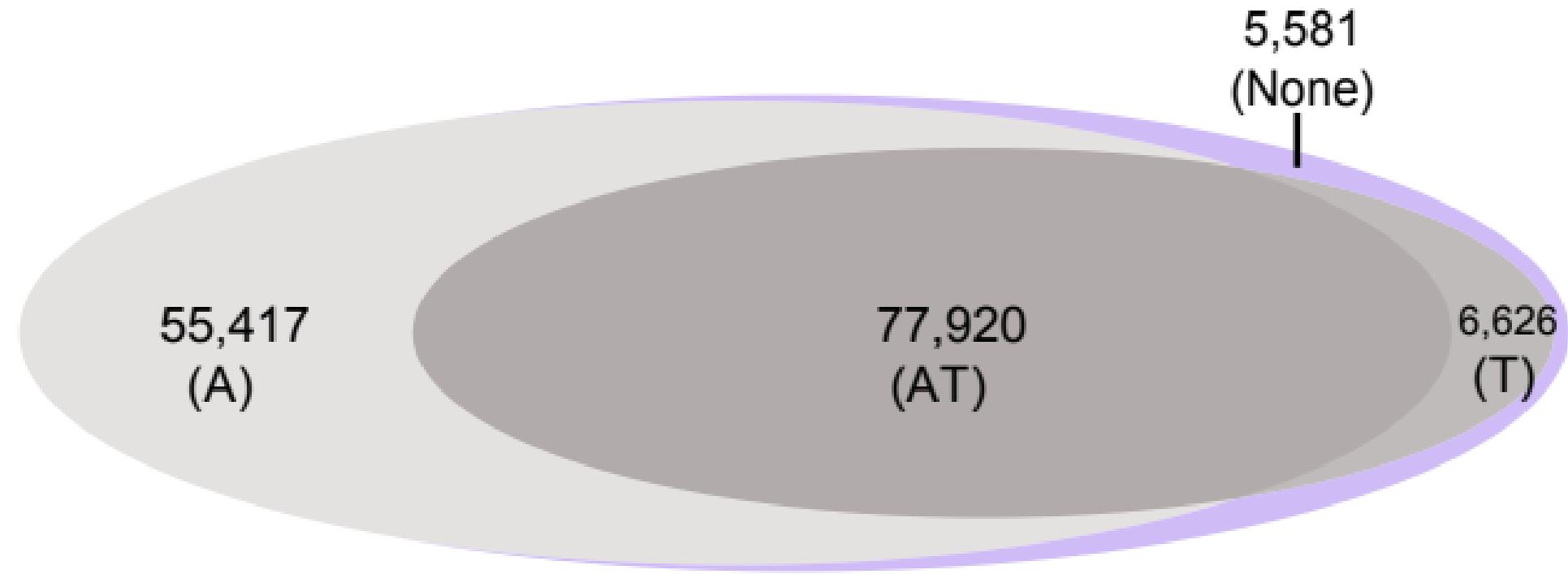


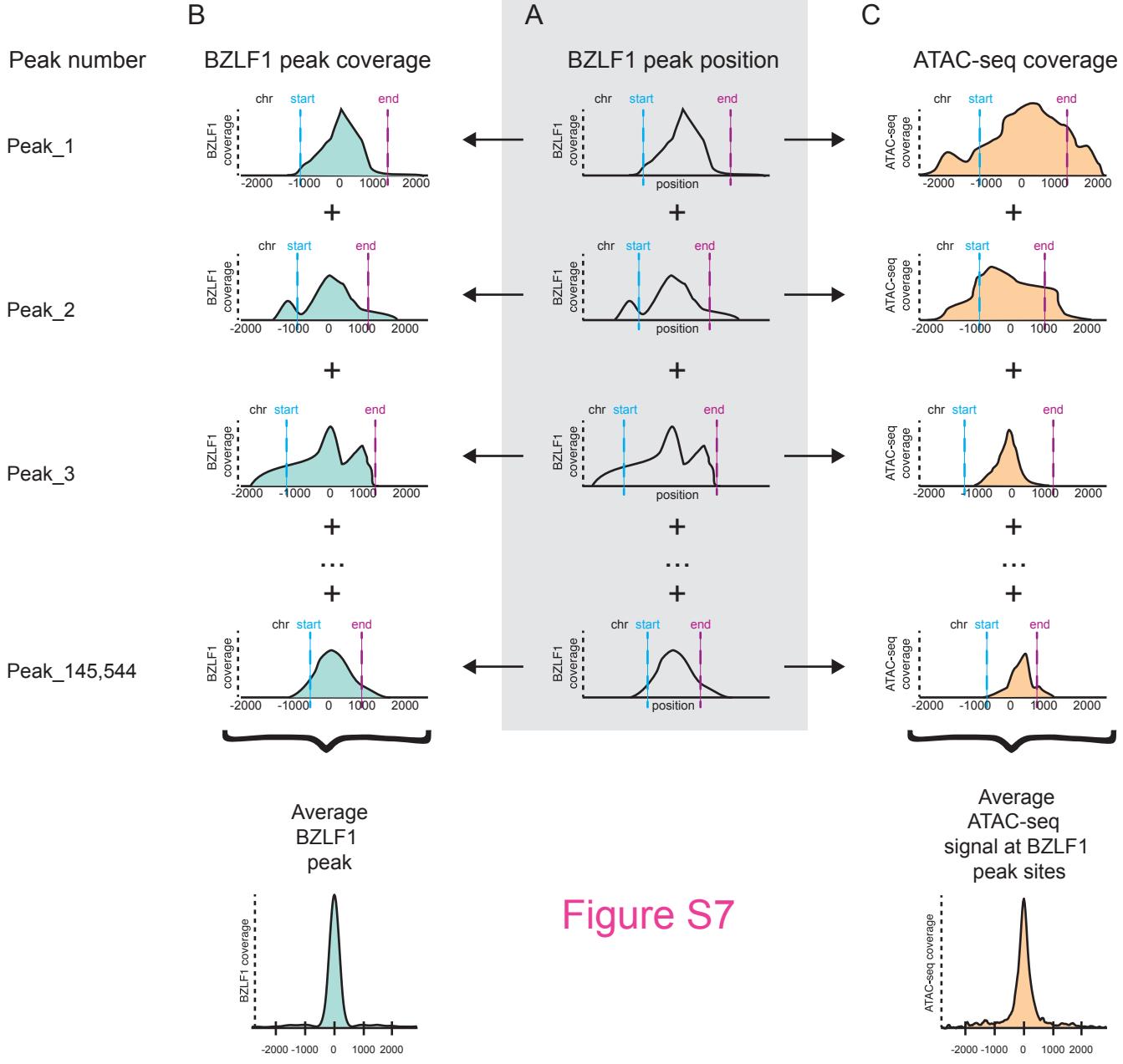
within 84546 sequences					
Motif	RC Motif	Positive	Negative	P-value	E-value
ABRCACA	<u>TGTGYVT</u>	59709	31367	4.3e-4238	2.0e-4233
ACACACA	<u>TGTGTGT</u>	24979	10810	1.4e-1582	6.6e-1578
ACGCACA	<u>TGTGCGT</u>	10412	3239	1.4e-935	6.6e-931
ATACACA	<u>TGTGTAT</u>	14621	6374	3.1e-825	1.5e-820
ATGCACA	<u>TGTGCAT</u>	18375	9517	4.9e-745	2.3e-740
AGACACA	<u>TGTGTCT</u>	14427	8420	3.1e-403	1.4e-398
AGGCACA	<u>TGTGCCT</u>	13975	8758	2.8e-305	1.3e-300
Motif	RC Motif	Positive	Negative	P-value	E-value
ABRCTCA	<u>TGAGYVT</u>	39890	26970	7.1e-904	3.2e-899
ATACTCA	<u>TGAGTAT</u>	6912	3458	1.7e-273	7.8e-269
ATGCTCA	<u>TGAGCAT</u>	11292	7140	3.2e-232	1.4e-227
ACGCTCA	<u>TGAGCGT</u>	4025	1769	4.5e-205	2.0e-200
AGGCTCA	<u>TGAGCCT</u>	8209	6137	1.5e-073	6.7e-069
ACACTCA	<u>TGAGTGT</u>	9097	7357	1.4e-046	6.4e-042
AGACTCA	<u>TGAGTCT</u>	7507	6213	5.0e-031	2.2e-026

Figure S6

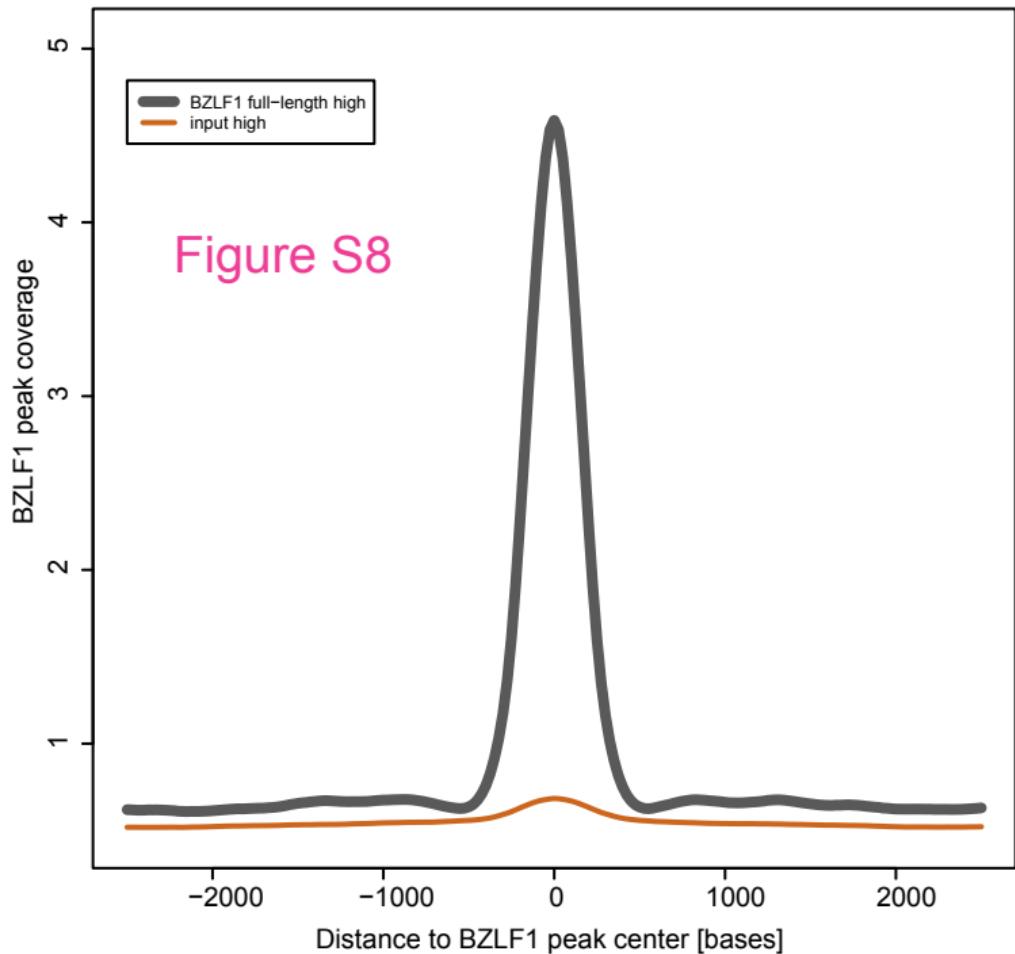
Raji iBZLF1

total peaks = 145,544



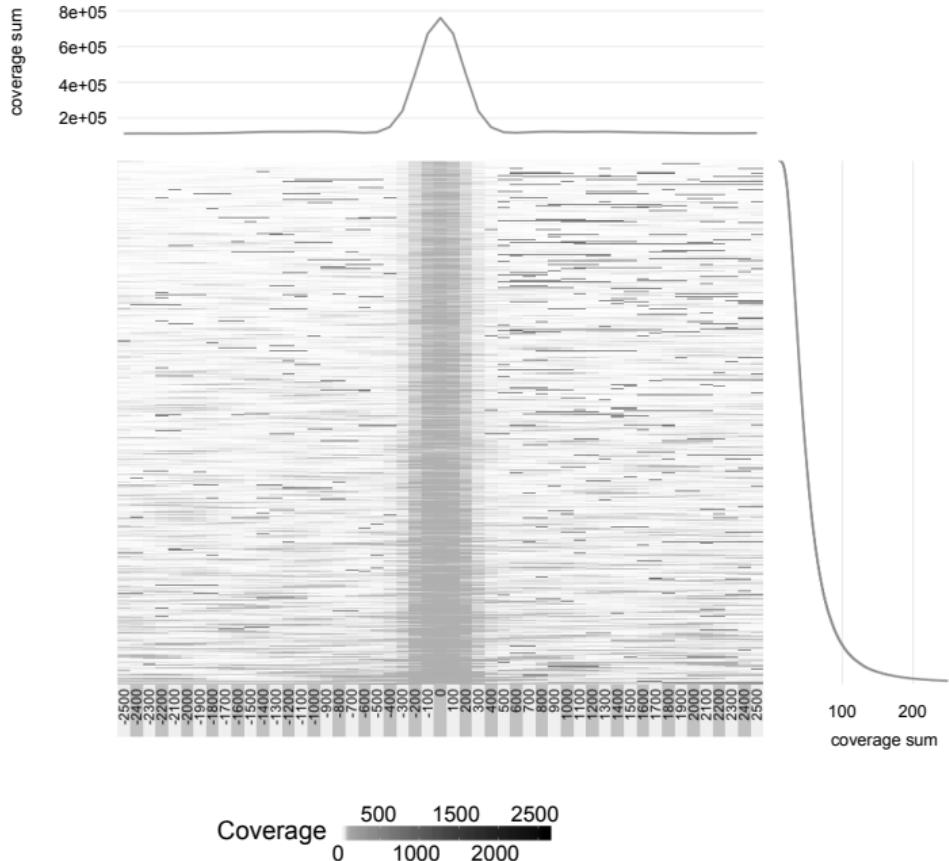


BZLF1 coverage distribution +/- 2500 around BZLF1 peaks



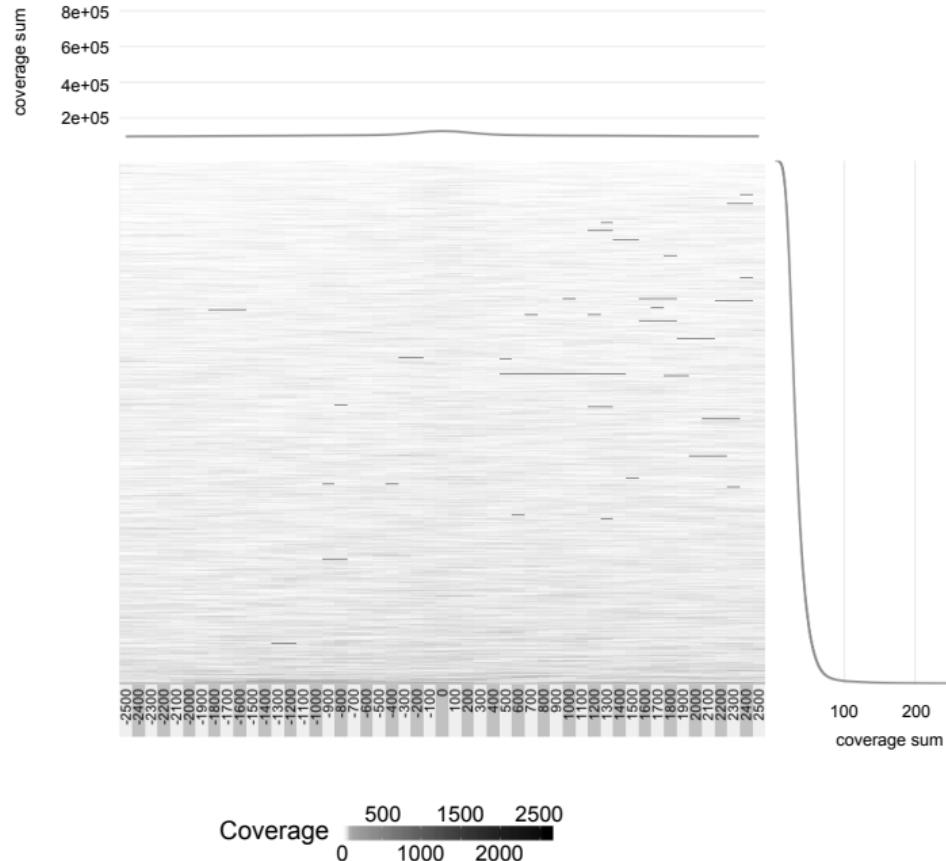
A Figure S9

Peak coverage 15 h around BZLF1 ChIP peaks 15 h



B

Input coverage 15 h around BZLF1 ChIP peaks 15 h



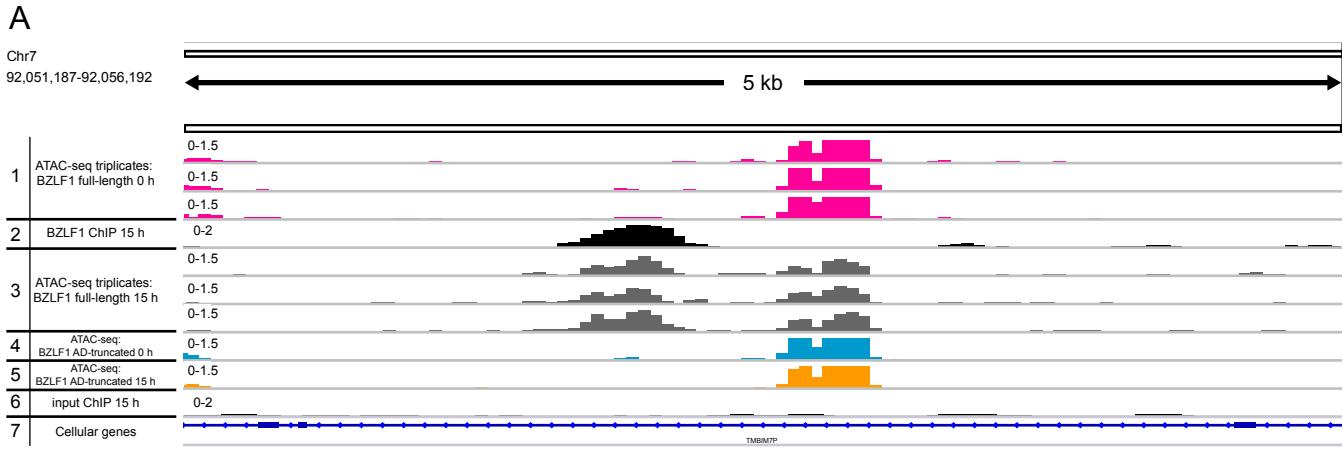
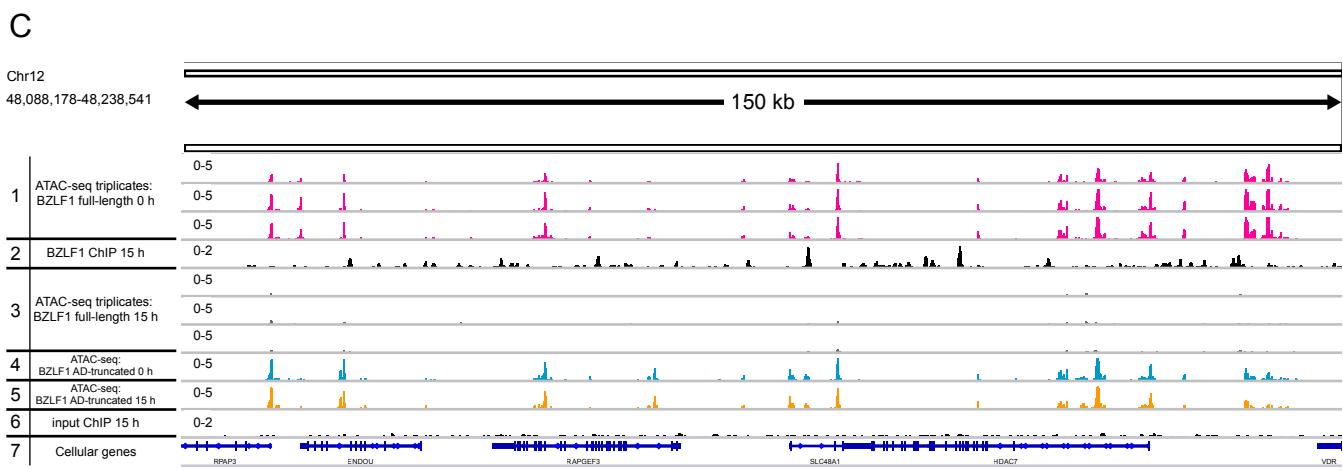
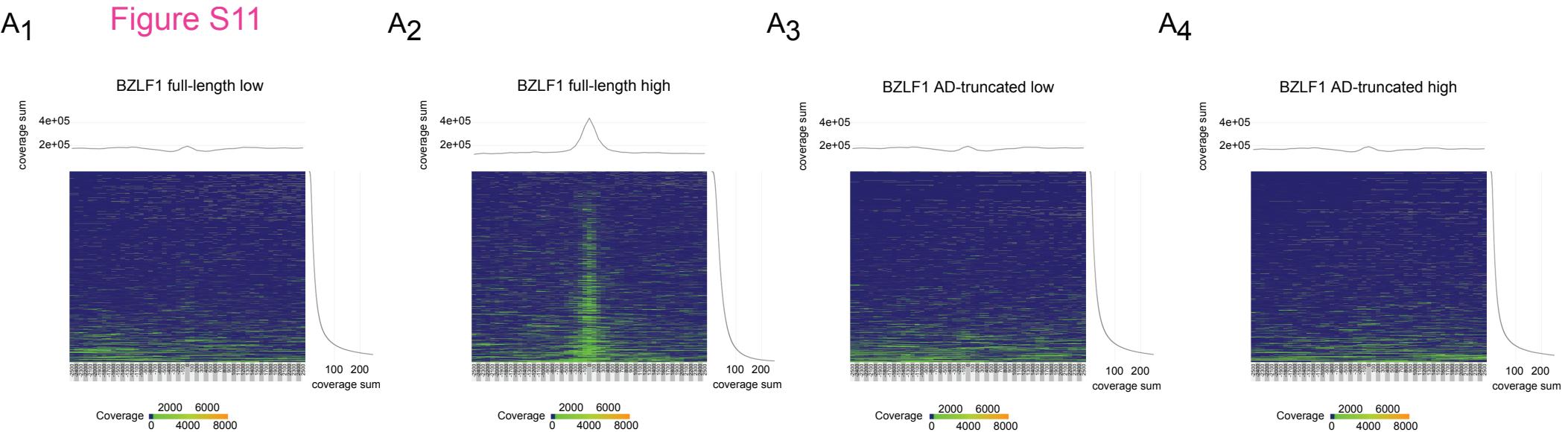


Figure S10



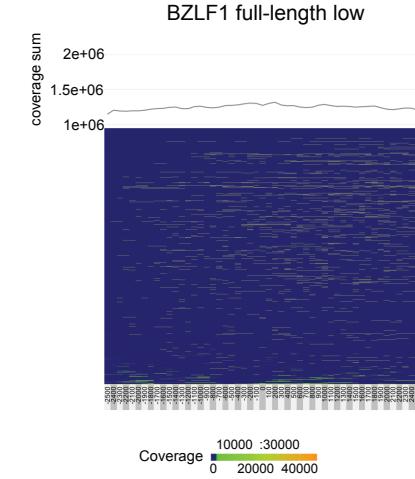
ATAC-seq coverage at BZLF1 binding

A1 Figure S11

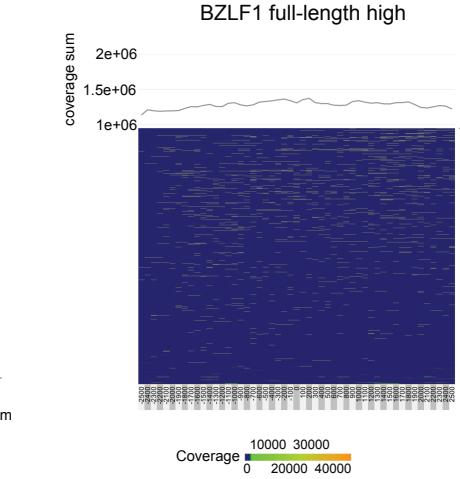


ATAC-seq coverage at random positions

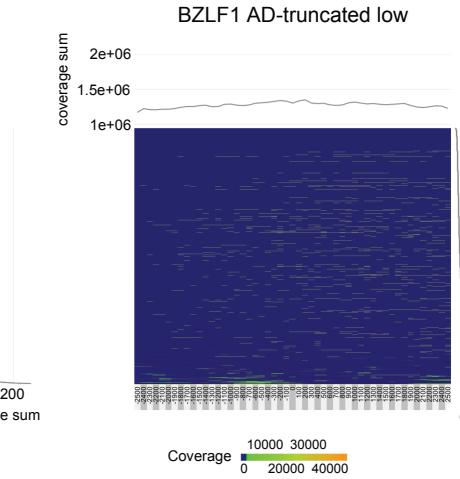
B1



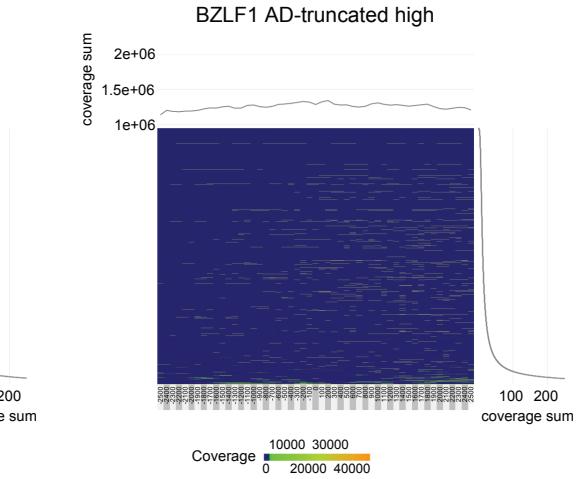
B2



B3

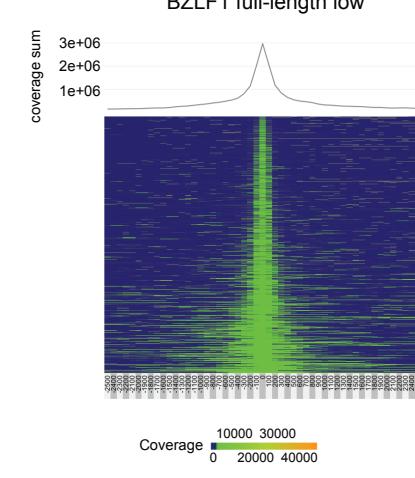


B4

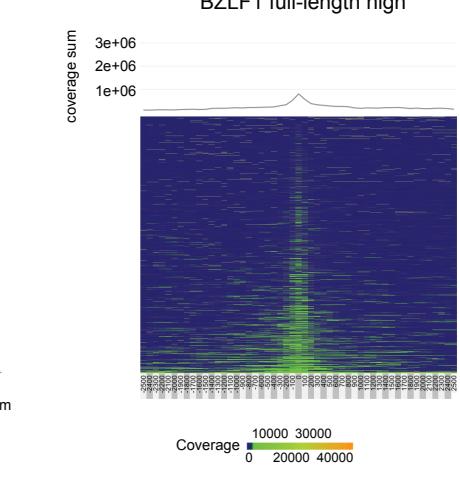


ATAC-seq coverage at open chromatin

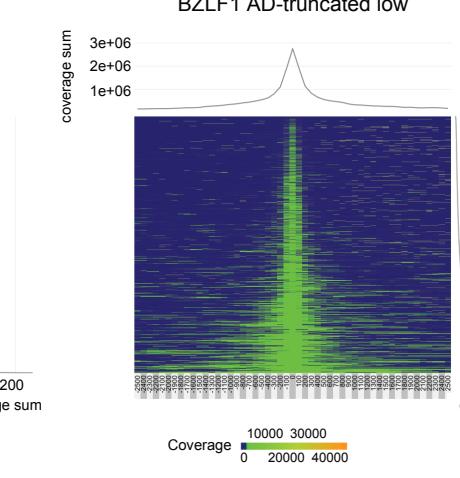
C1



C2



C3



C4

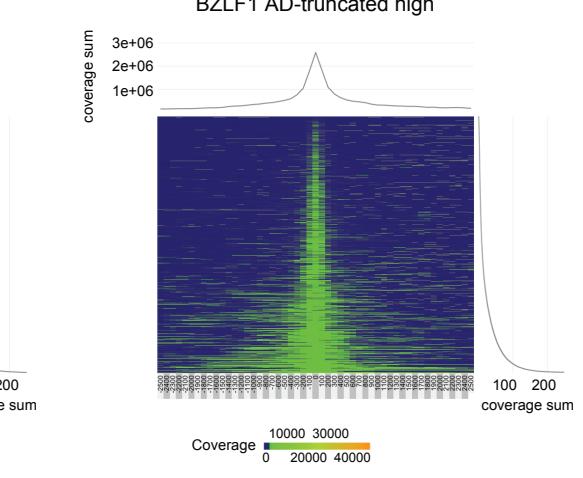
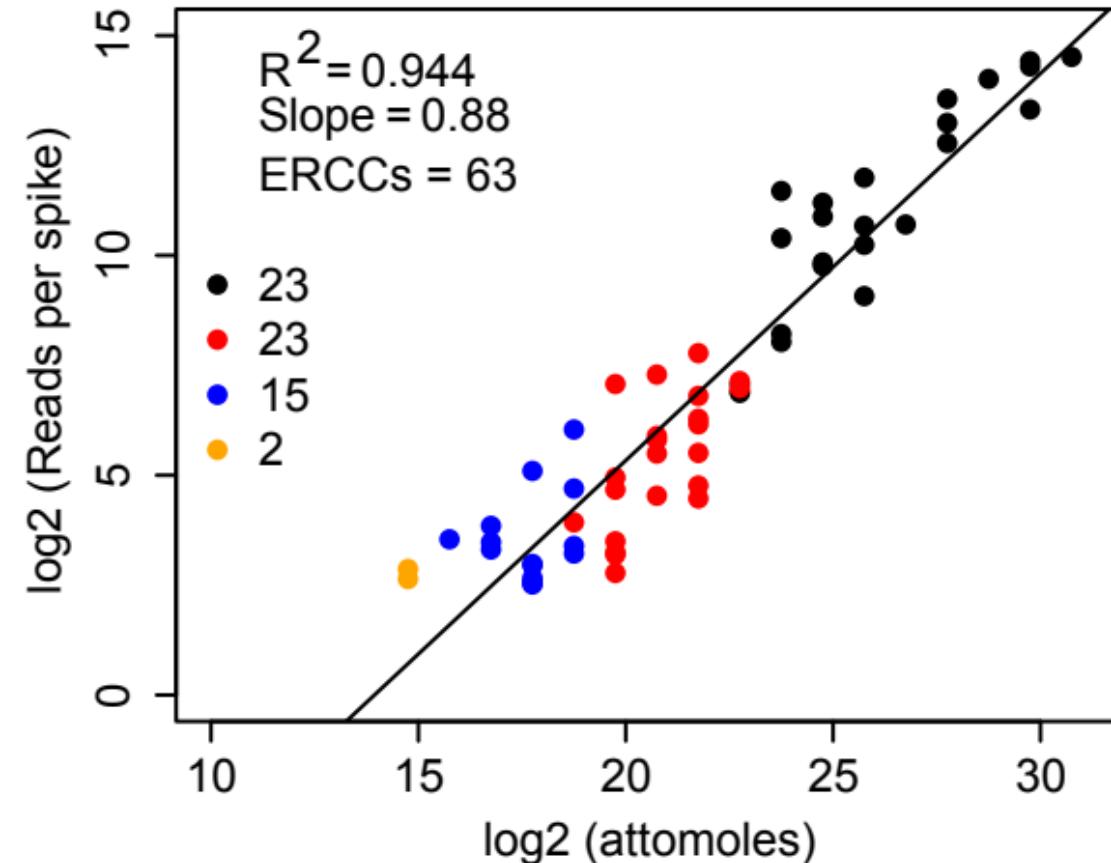
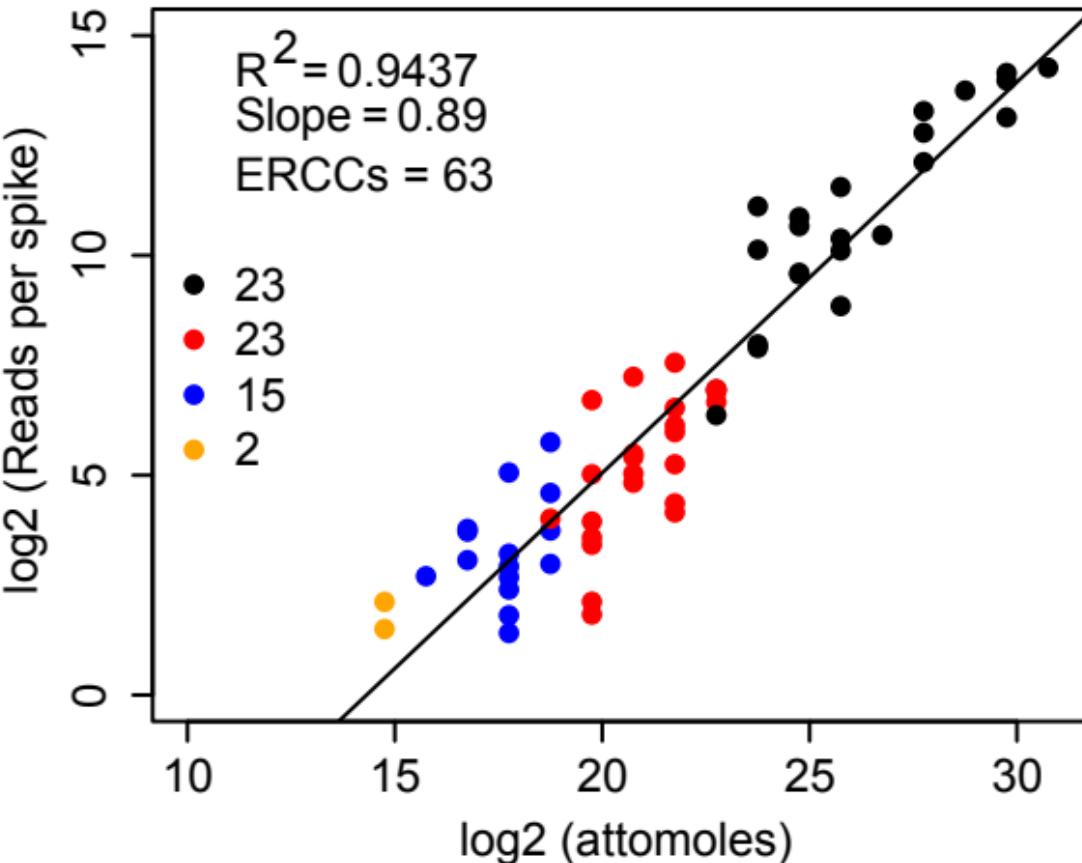


Figure S12

Raji iBZLF1

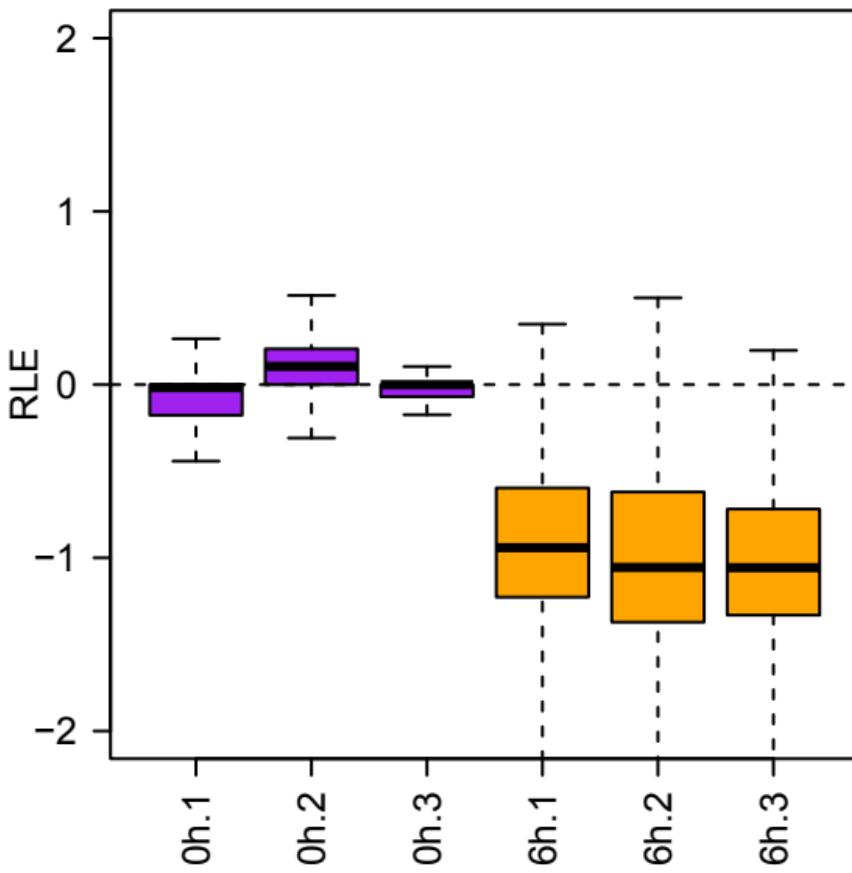
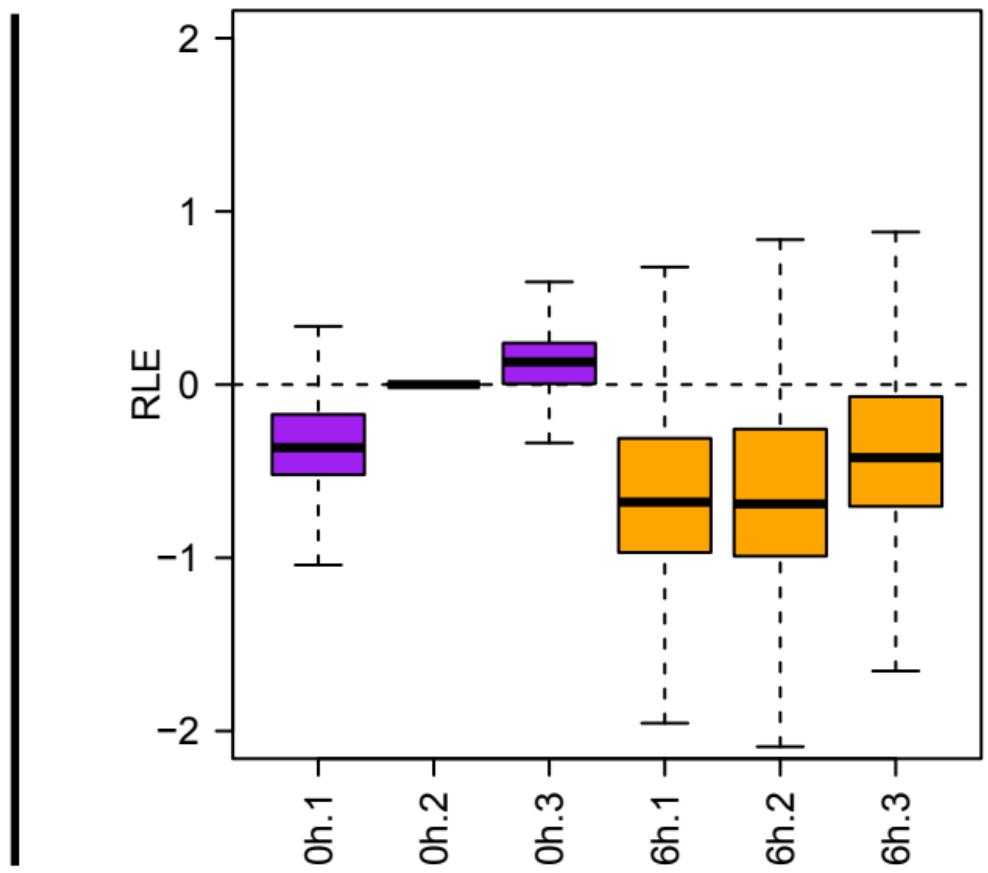


raw data

Figure S13

ERCC normalized

Raji iBZLF1



KEGG pathway with (adjusted p-value)

Top pathways with the most strongly down-regulated genes (n = 1,000)

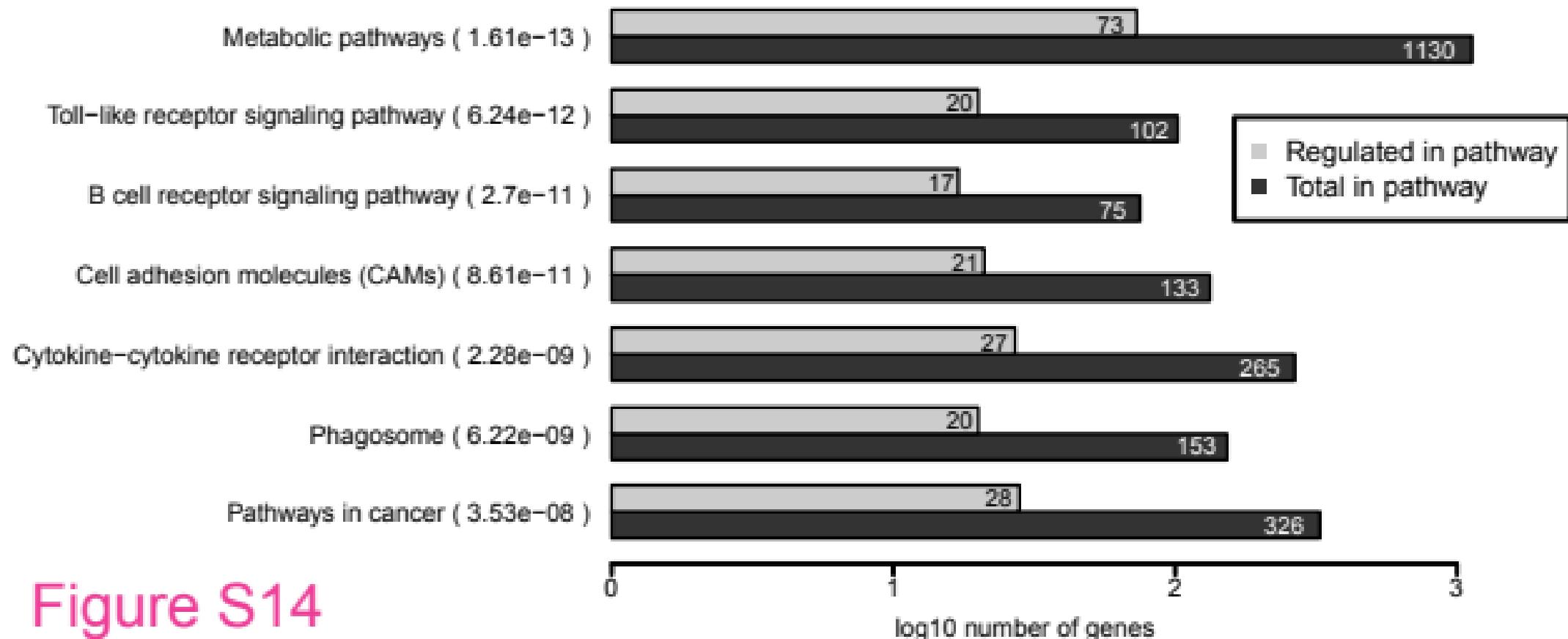


Figure S14

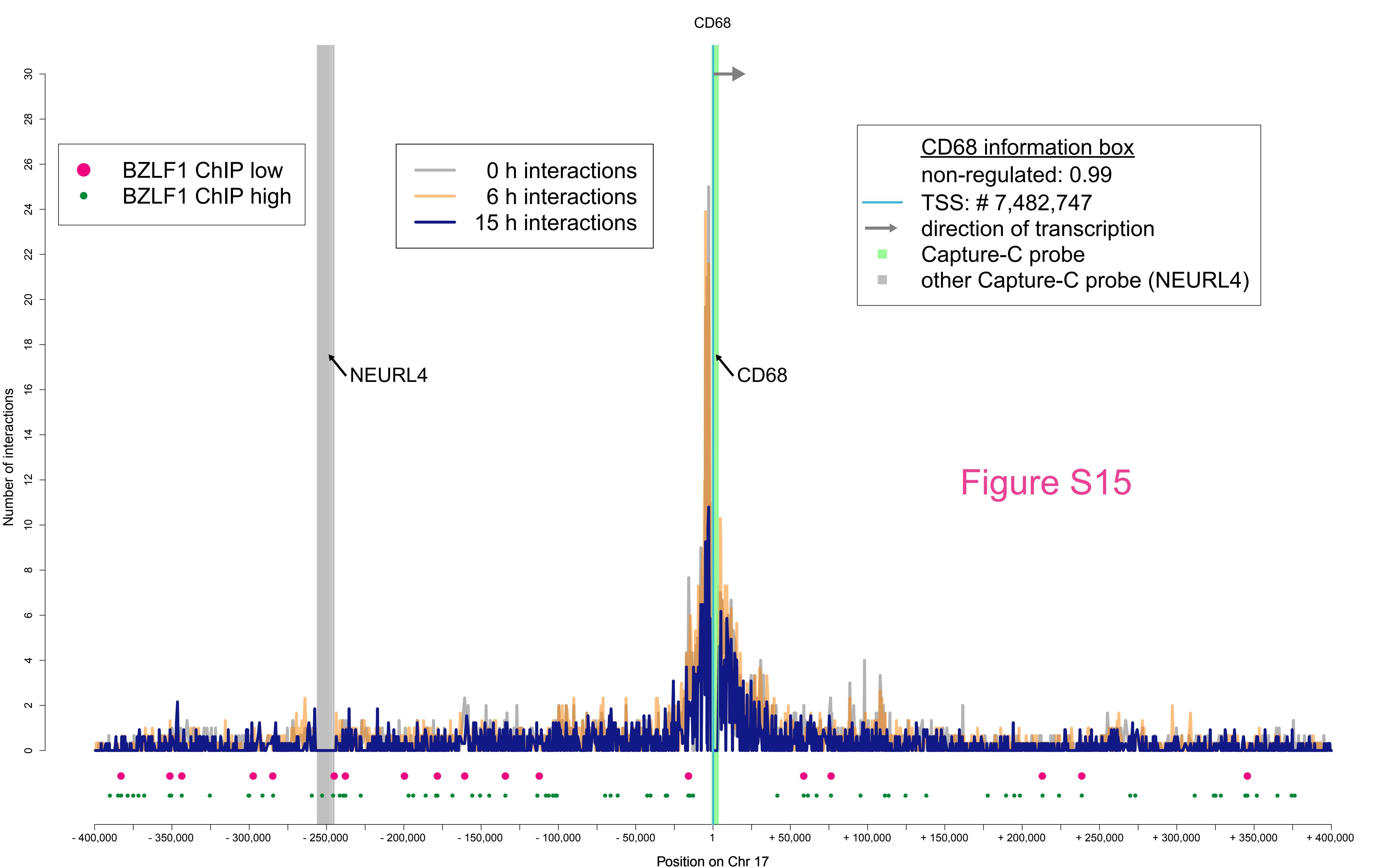


Figure S16

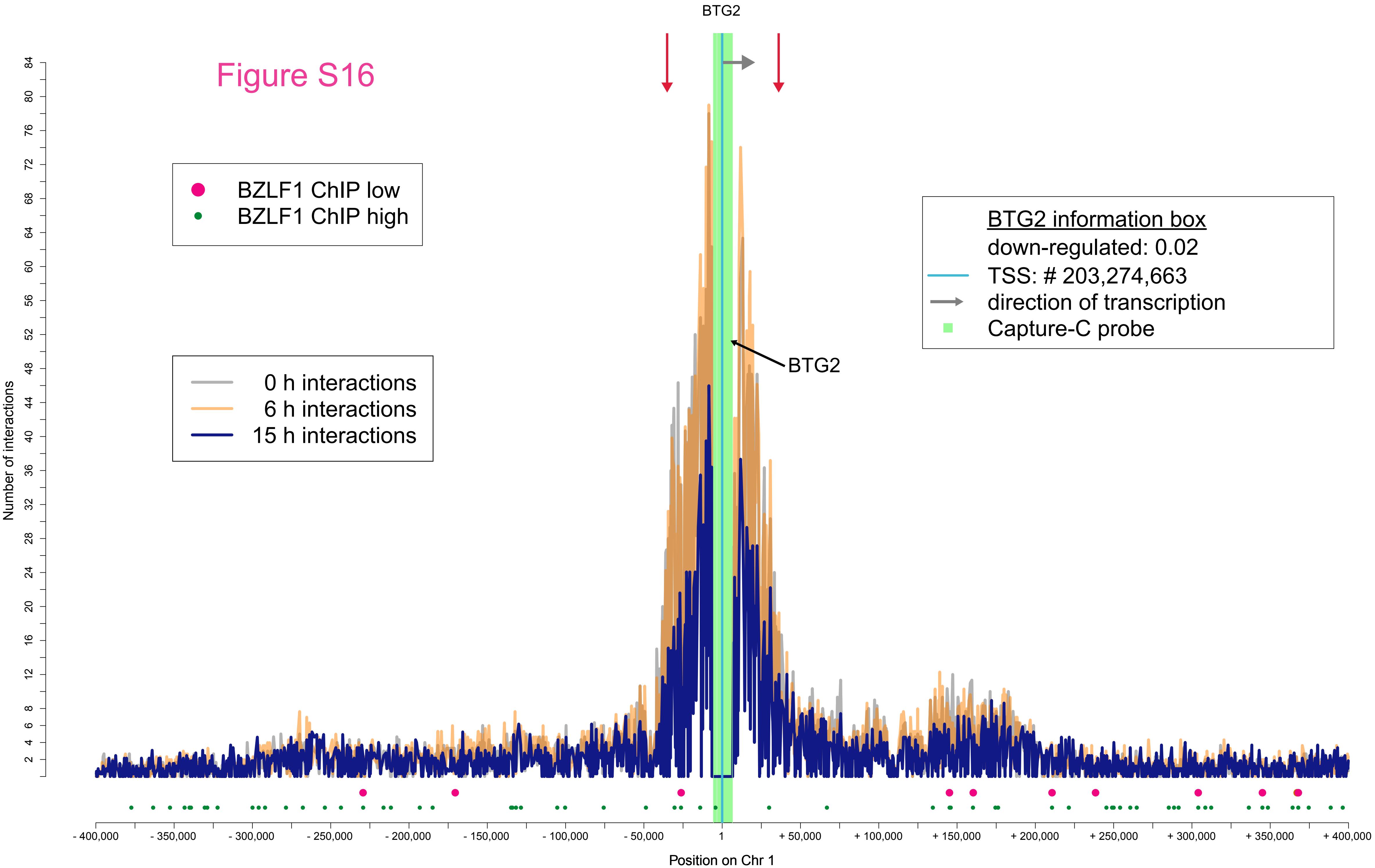


Figure S17

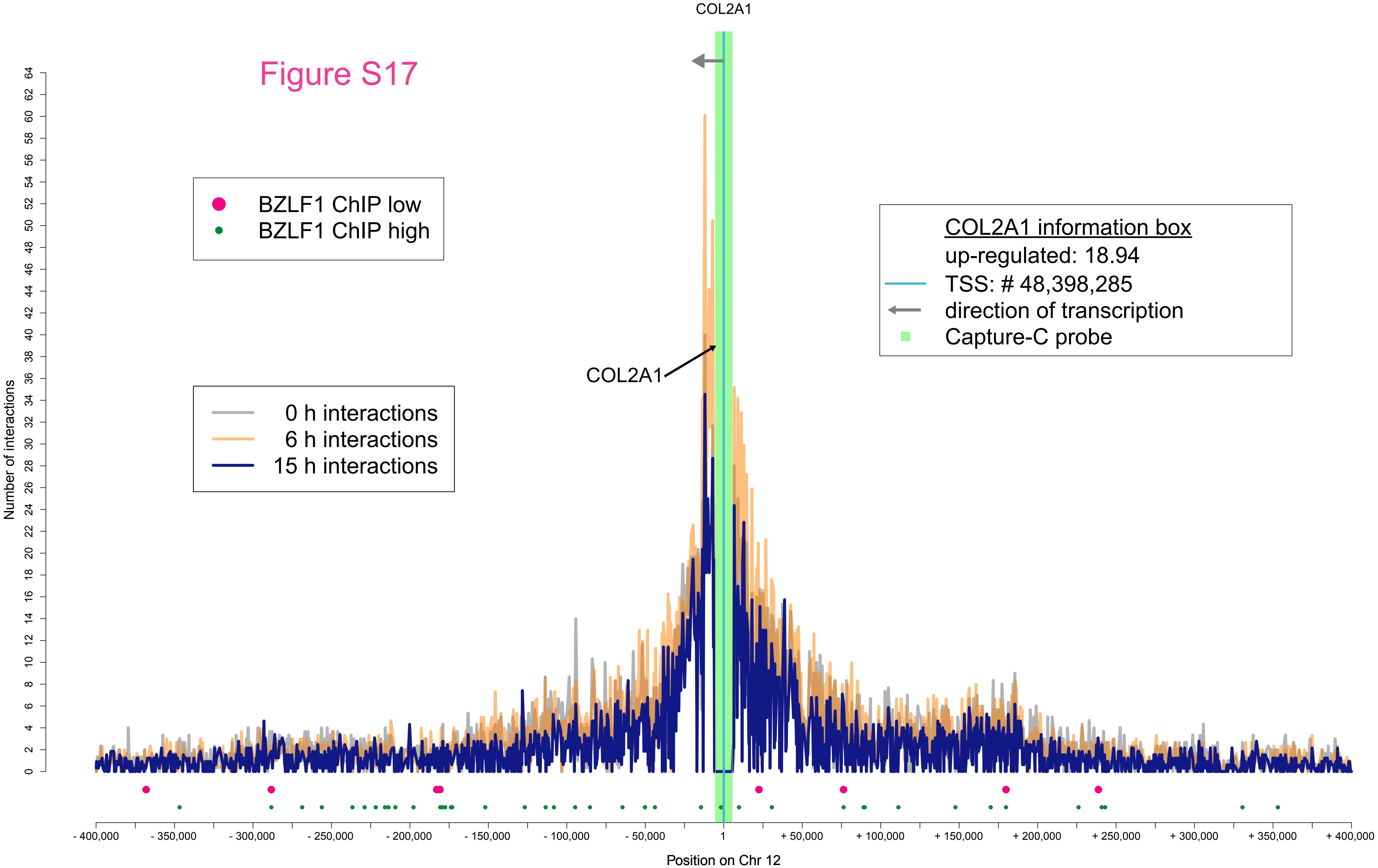


Figure S18

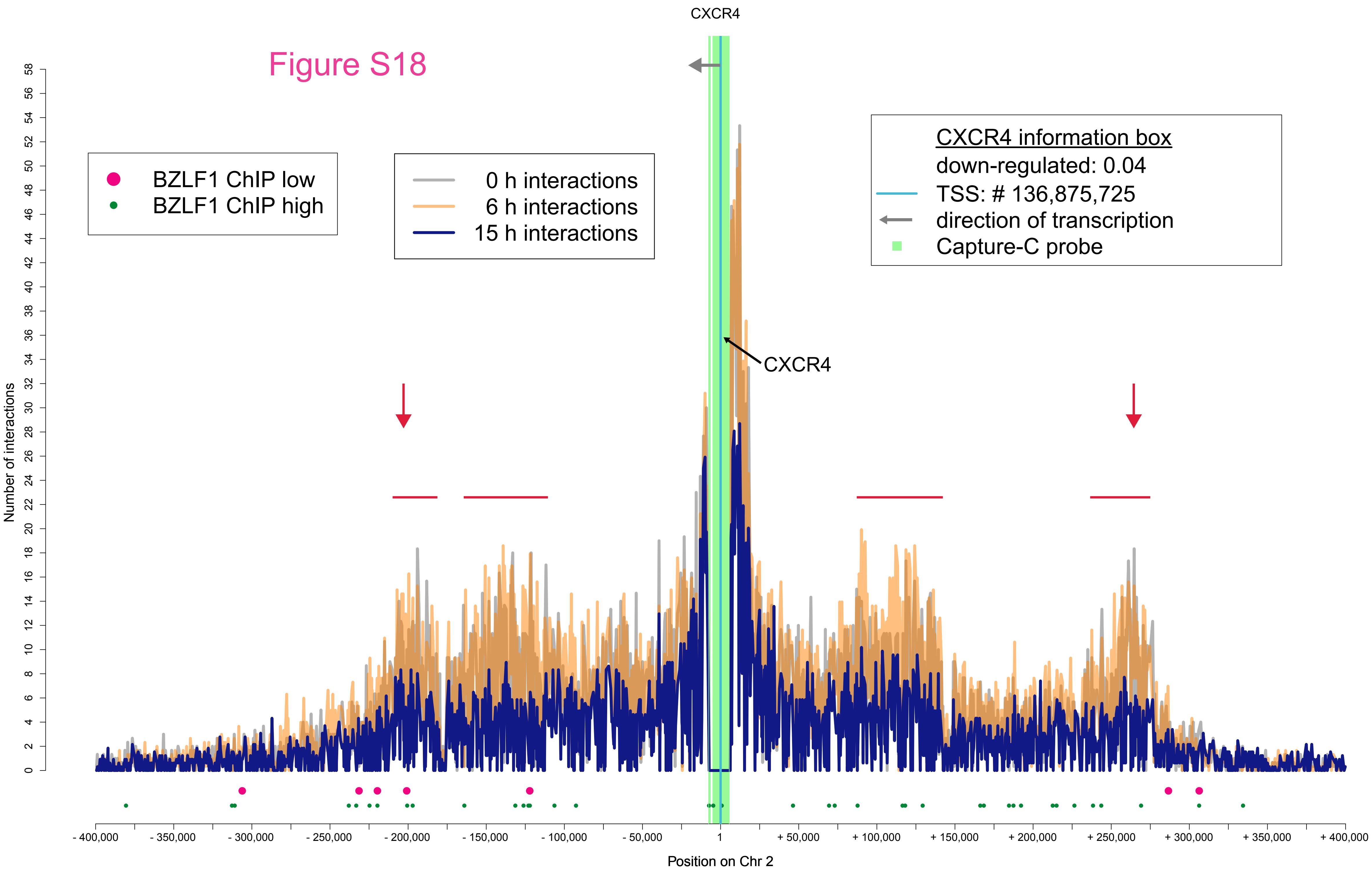


Figure S19

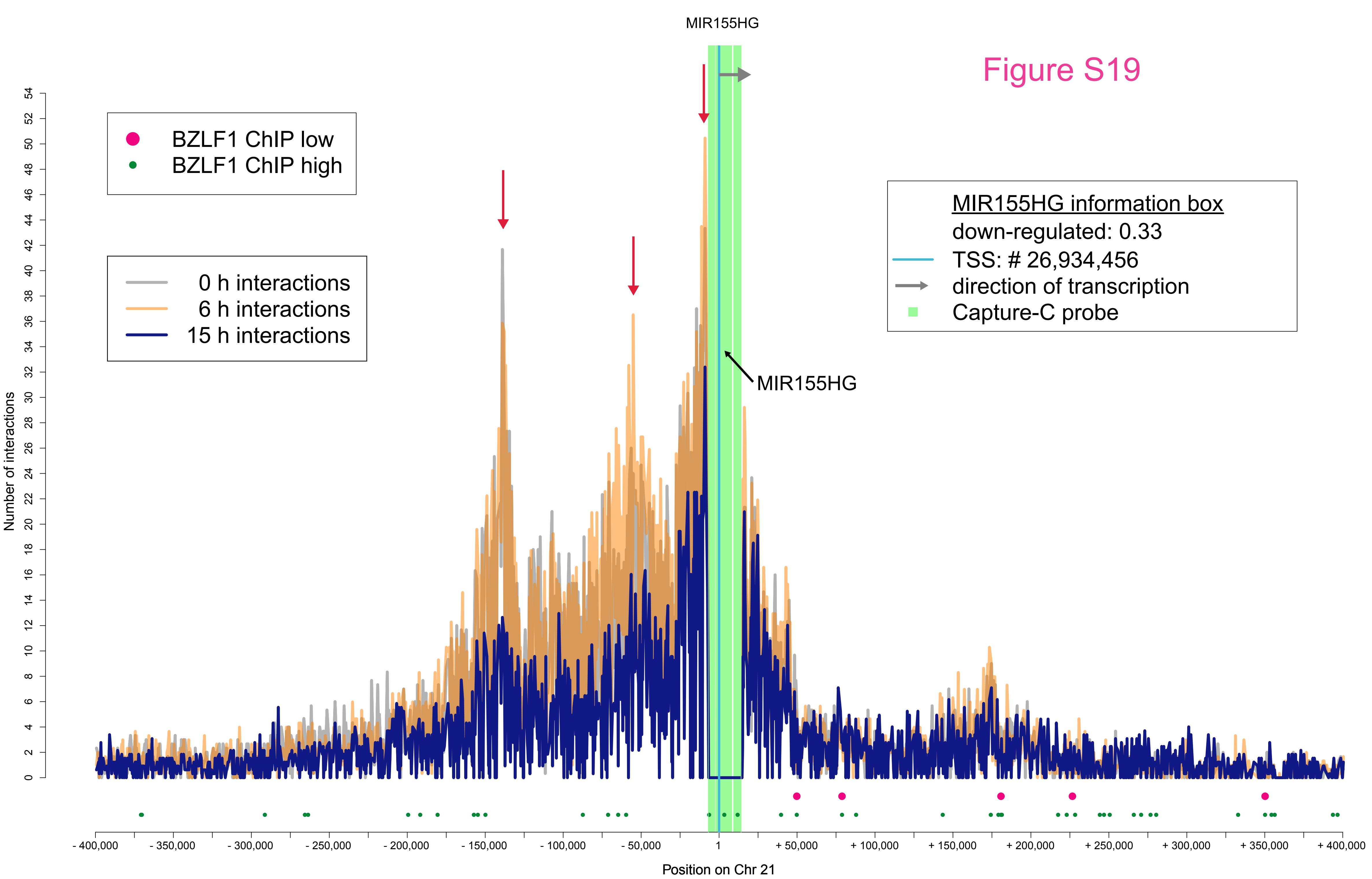
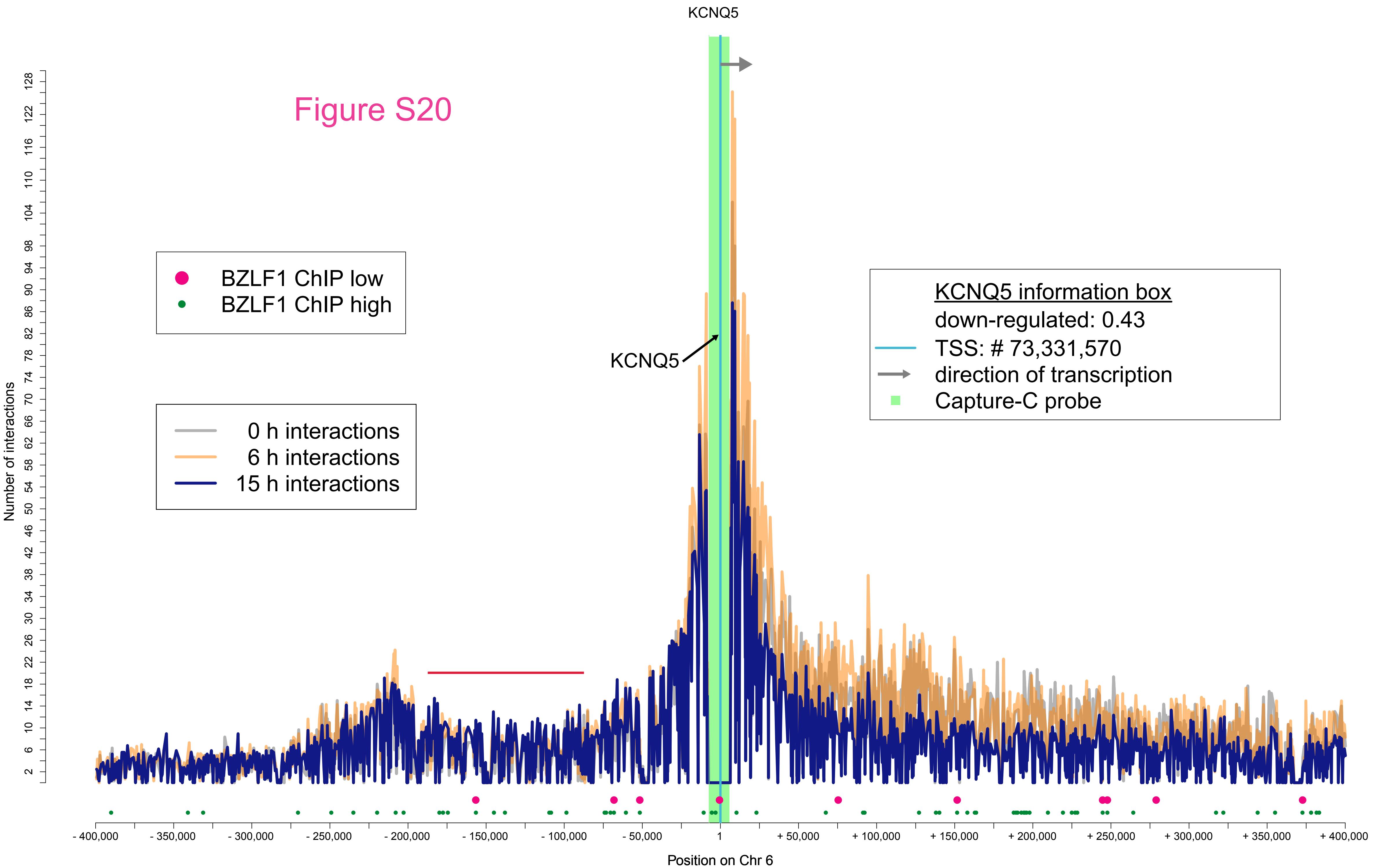
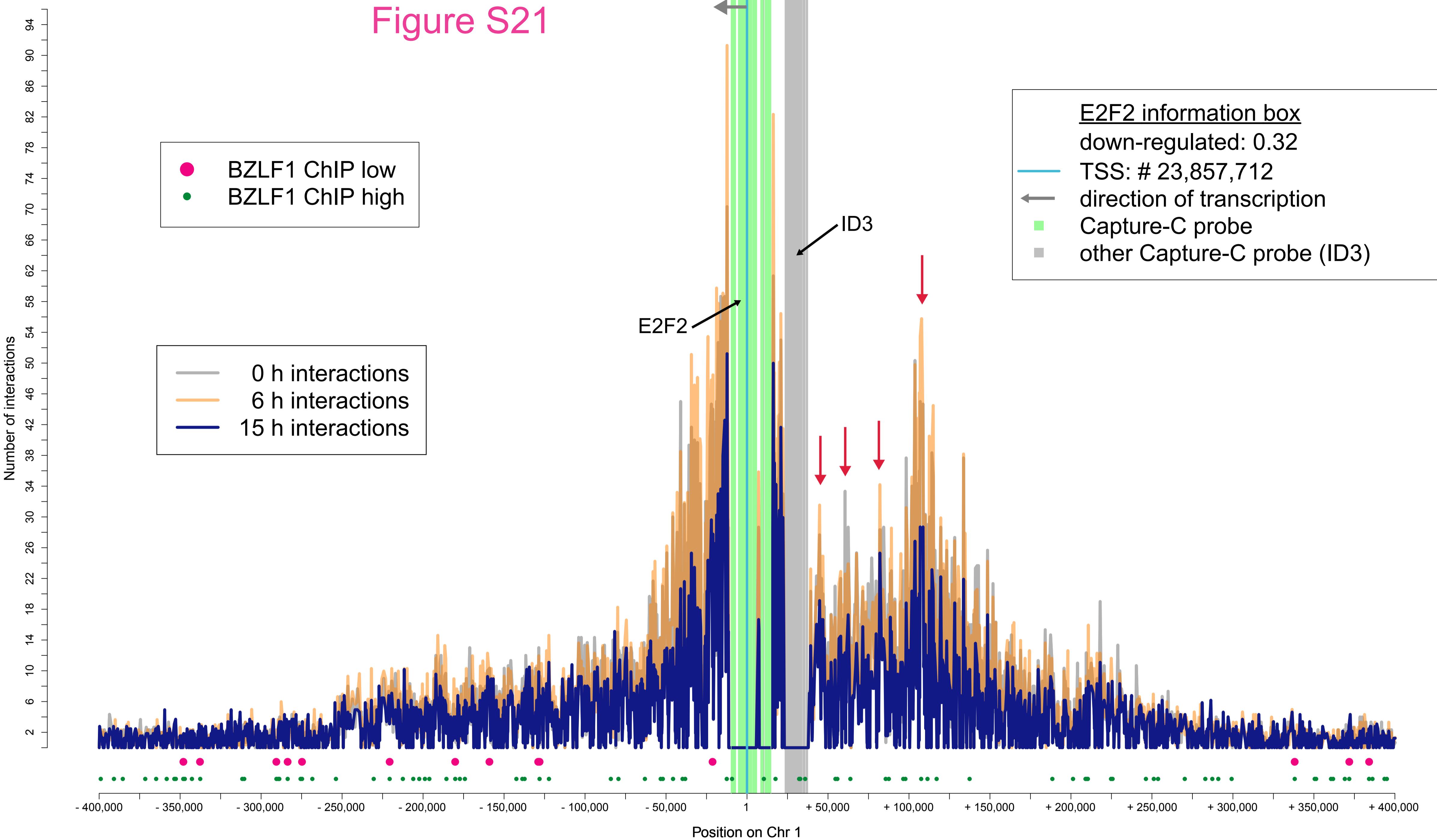


Figure S20

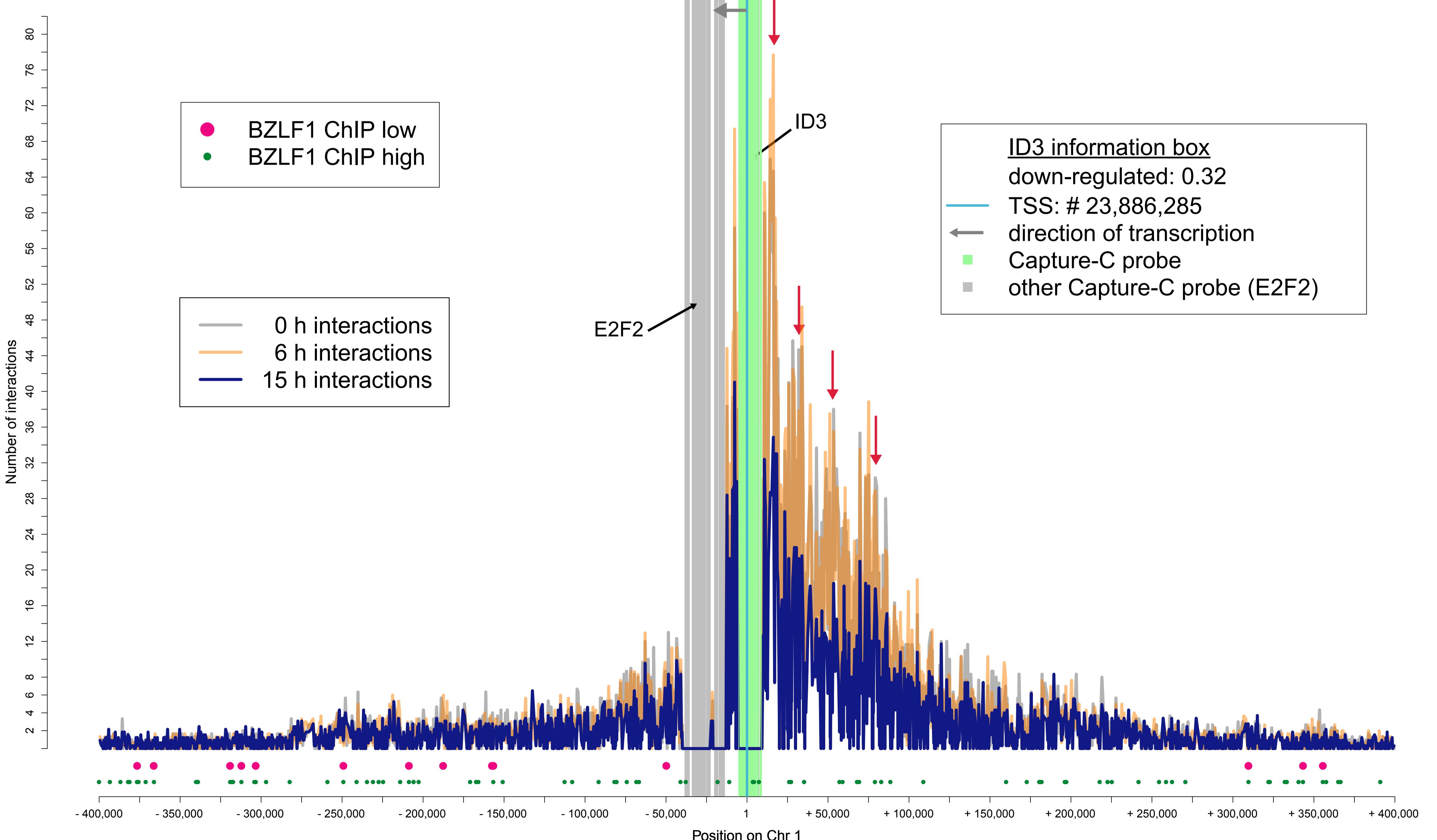


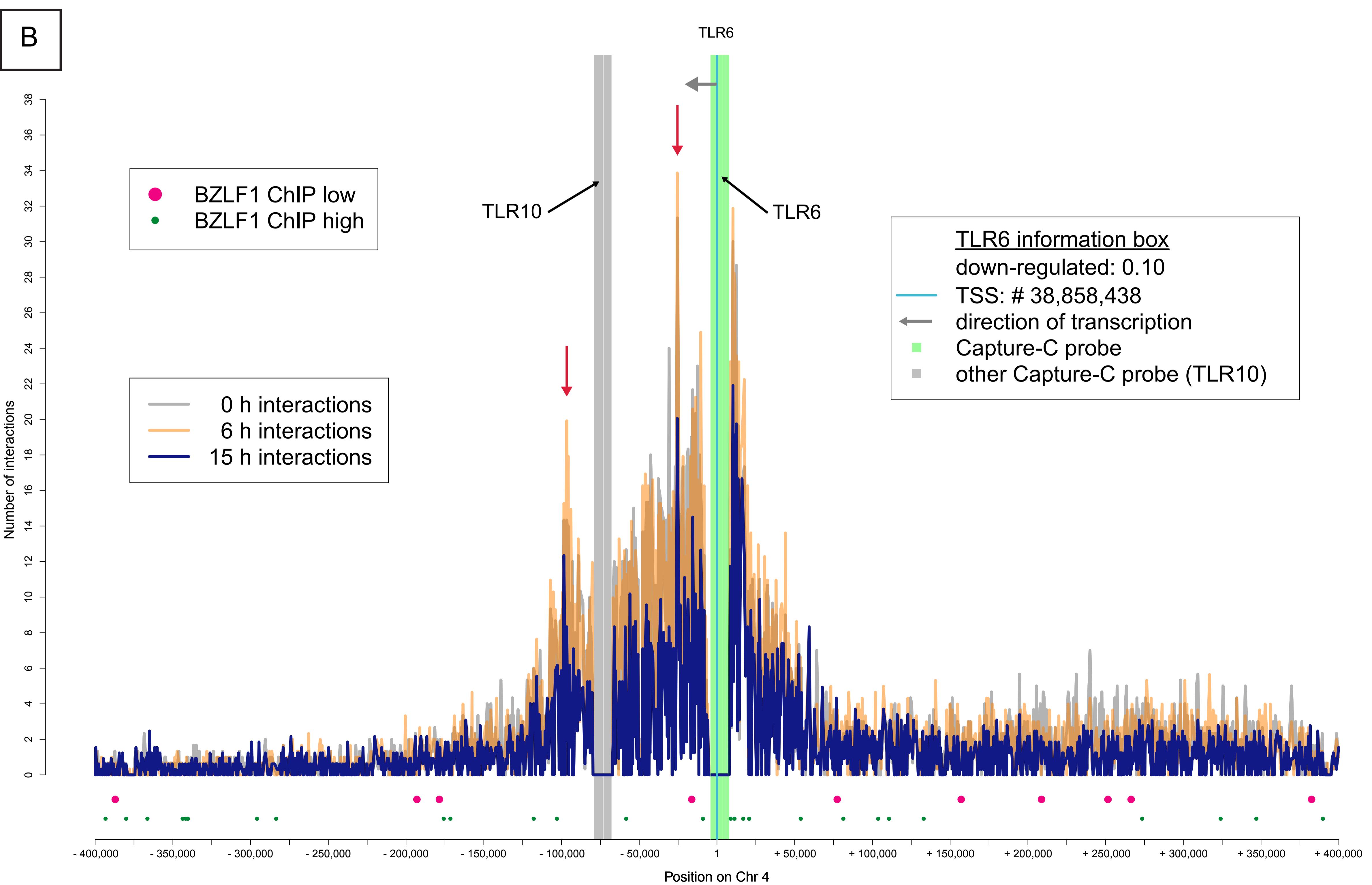
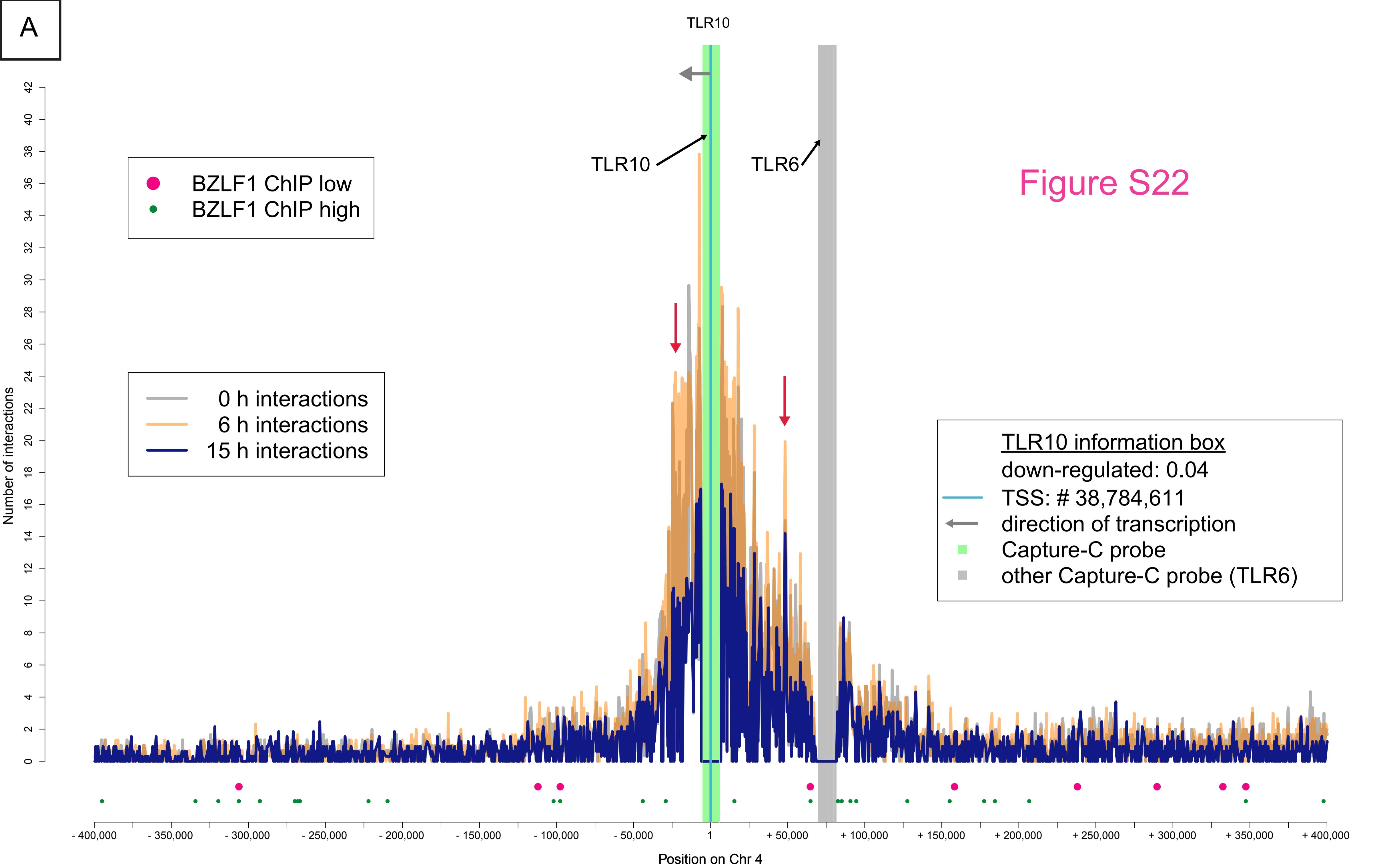
A

Figure S21



B





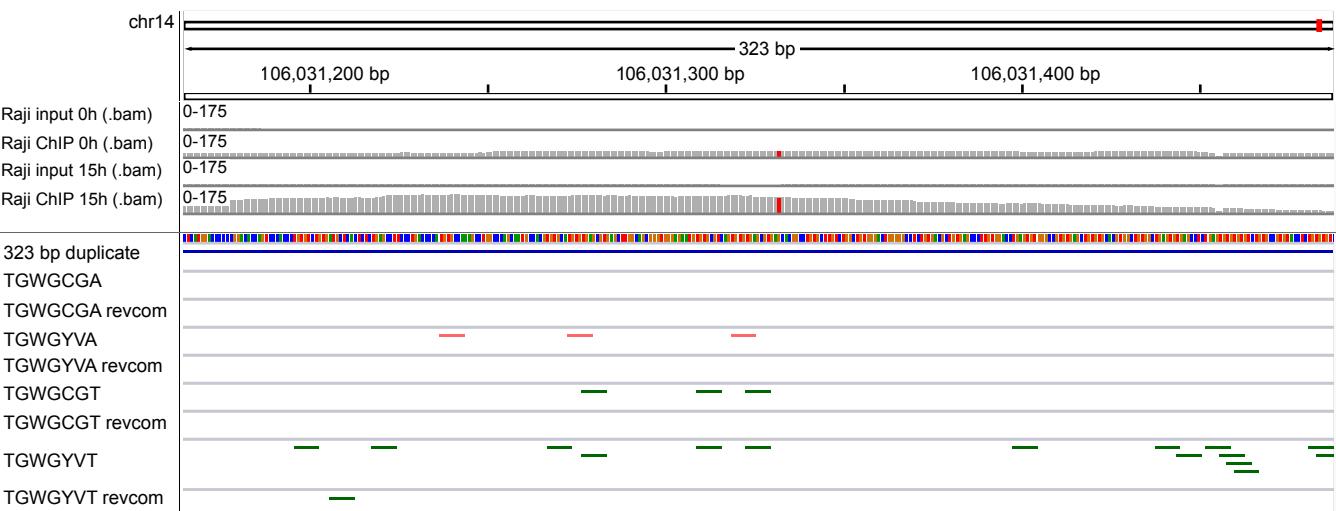
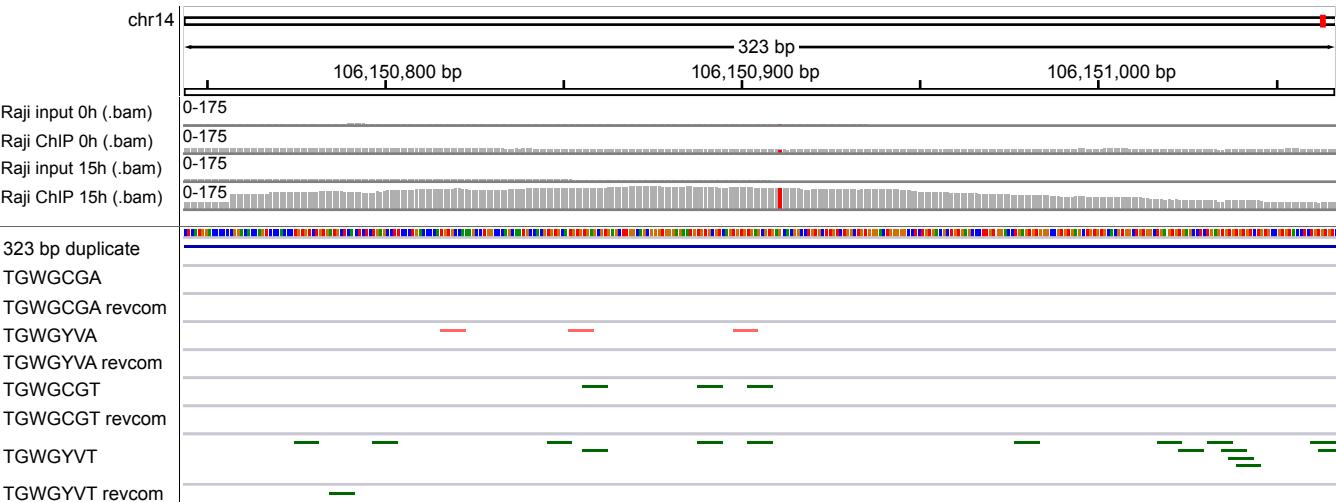
A

Figure S23

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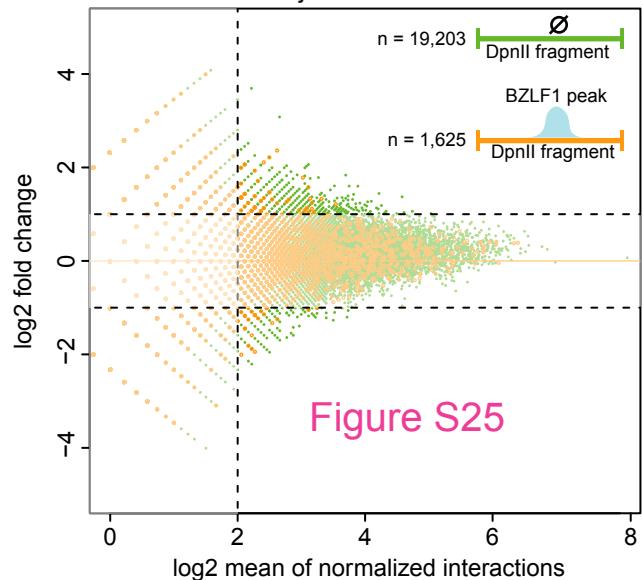
B

	CpG		Non-CpG		
	1 x	2 x	1 x	2 x	3 x
A-ending			TGTGCCA	TGTGTGA	
T-ending	TGTGCGT	TGAGCGT	TGAGCAT	TGAGCCT	TGAGTGT
			TGTGCAT	TGTGTCT	TGTGTGT

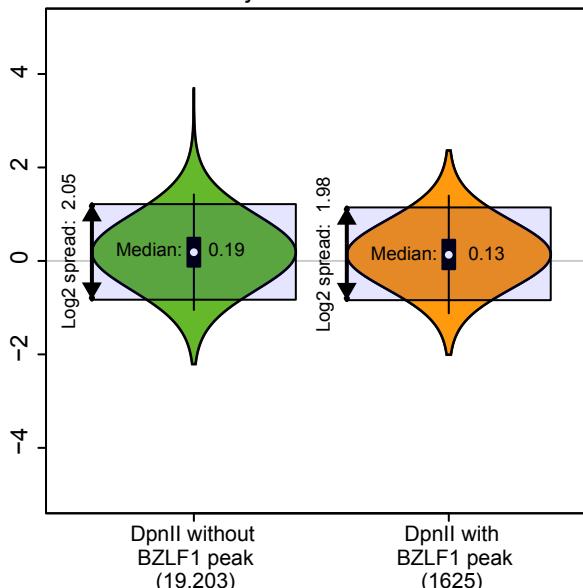
A**Fragment A****B****Figure S24****Fragment B**

A₁

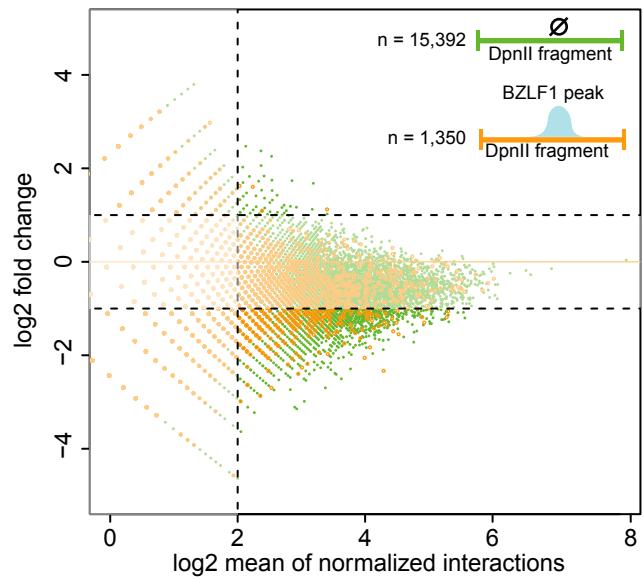
Raji iBZLF1 0 vs 6 h

A₂

Raji iBZLF1 0 vs 6 h

B₁

Raji iBZLF1 0 vs 15 h

B₂

Raji iBZLF1 0 vs 15 h

