

**S2 Table. Enrichment test p-values for ChIP-seq data sets.**

ChIP-seq experiment	p-value (Two-tailed Wilcoxon)	Reference
SPT5	$2.65 \times 10^{-33}$	[1]
NELF-A	$1.25 \times 10^{-37}$	[1]
NELF-E	$1.17 \times 10^{-32}$	[2]
Ccnt2	$2.27 \times 10^{-63}$	[2]
H2A.Z	$6.60 \times 10^{-10}$	[2]
H3K27ac	$1.17 \times 10^{-3}$	[2]
H3K4me3	$3.95 \times 10^{-2}$	[2]
H3K9ac	0.978	[2]
H3K4me1	0.530	[2]
HeK36me3	0.442	[2]
TBP	$6.04 \times 10^{-27}$	[2]
GATA3	$2.07 \times 10^{-116}$	[2]
SP1	$4.91 \times 10^{-47}$	[2]
NFIC	$1.67 \times 10^{-17}$	[2]
c-Fos	$1.22 \times 10^{-18}$	[2]
c-Jun	$3.57 \times 10^{-52}$	[2]
p300	$8.32 \times 10^{-81}$	[2]
CHD1-A	$6.51 \times 10^{-09}$	[2]
Sap30	$7.58 \times 10^{-16}$	[2]
BRG1	$5.43 \times 10^{-14}$	[2]
INI1	$3.32 \times 10^{-68}$	[2]
BAF155	$7.60 \times 10^{-28}$	[2]
BAF170	$1.98 \times 10^{-18}$	[2]
CTCF	$2.85 \times 10^{-26}$	[2]

1. Liu P, Xiang Y, Fujinaga K, Bartholomeeusen K, Nilson KA, et al. (2014) Release of positive transcription elongation factor b (P-TEFb) from 7SK small nuclear ribonucleoprotein (snRNP) activates hexamethylene bisacetamide-inducible protein (HEXIM1) transcription. *J Biol Chem* 289: 9918-9925.
2. Encode Project Consortium (2012) An integrated encyclopedia of DNA elements in the human genome. *Nature* 489: 57-74.