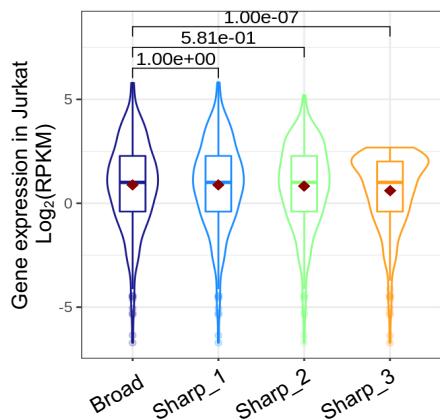
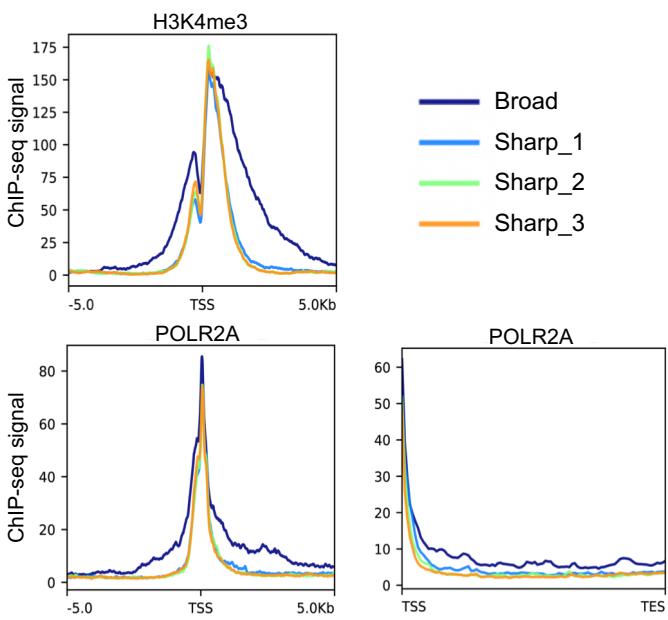
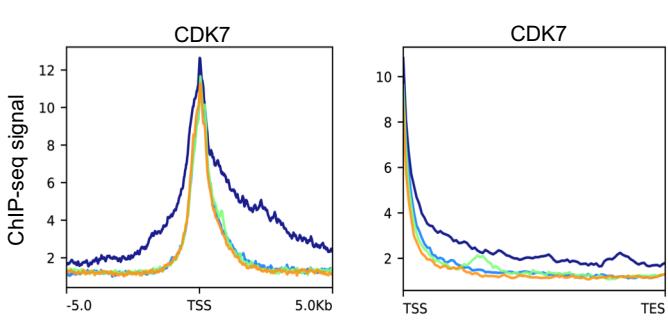
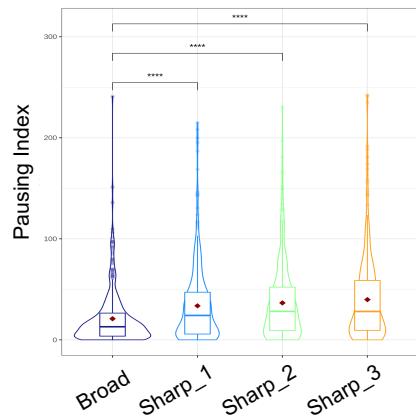
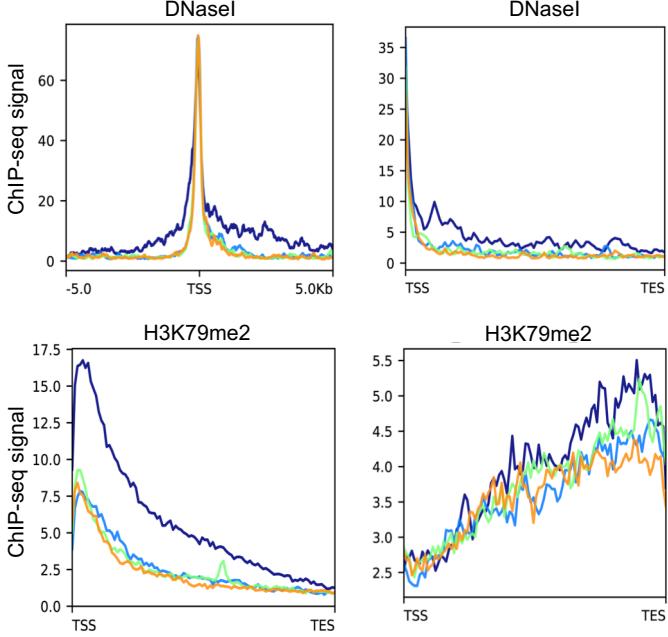
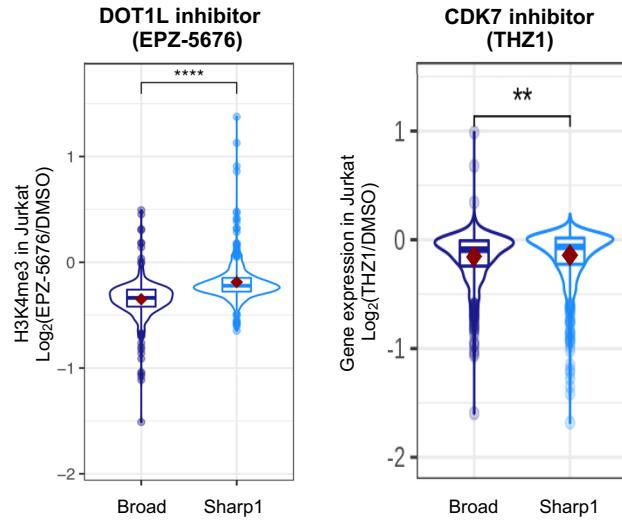


**A****B****C****D**

**Supplemental Figure S3. Transcriptional elongation profiles of broad H3K4me3 domain-associated genes.** A) Distribution of gene expression of broad H3K4me3 domain-associated genes and three sets of sharp-associated genes in Jurkat cells. B) Average profiles of the indicated ChIP-seq signal at broad H3K4me3 domain- and sharp-associated genes in Jurkat cells. C) Distribution of POLR2A pausing index at broad H3K4me3 domain- and sharp- associated genes in Jurkat cells. D) Box plots displaying the fold change of H3K4me3 signal (left panel) and gene expression (right panel) after treatment of Jurkat cells with either EPZ-5676 or THZ1 inhibitors, respectively. Significance in A was assessed by Kolmogorov-Smirnov. Significance in C and D was assessed by one-sided Wilcoxon rank-sum test. \*\*\*\*P < 0.0001, \*\*P < 0.01.