Supplementary Figure 6 (a) Venn diagram showing the overlap between udRNAs and antisense TSS-associated (TSSa) RNAs at the TSS. **(b)** Venn diagram showing that 44.69% (274 out of 613) of udRNAs overlapping with divergent lncRNAs were also upregulated upon 7SK knockdown. **(c)** Venn diagram showing the overlap between genes with failed termination after 7SK knockdown ("hotspot" genes) and 7SK regulated udRNAs.**(d)** qRT-PCR analysis of *Hexim1* total RNA, and *Dll1* nascent RNA, 6h after nucleofection of ES cells with scrambled of 7SK 3′ ASOs targeting the 3′ segments of 7SK, in the presence or absence of I-BET151. Error bars represent standard error of the mean (SEM) from 2-3 independent experiments. **(e)** Box plot depicting log2 fold changes measured by RNA-seq upon 7SK knockdown in mouse ES cells of udRNAs and their associated genes, using either 7SK 5′and 3′ASO data for udRNA detection.