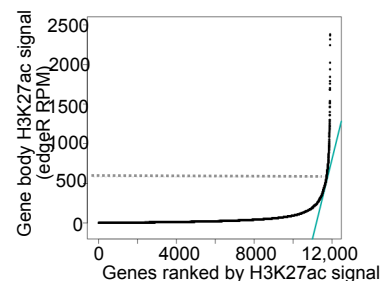


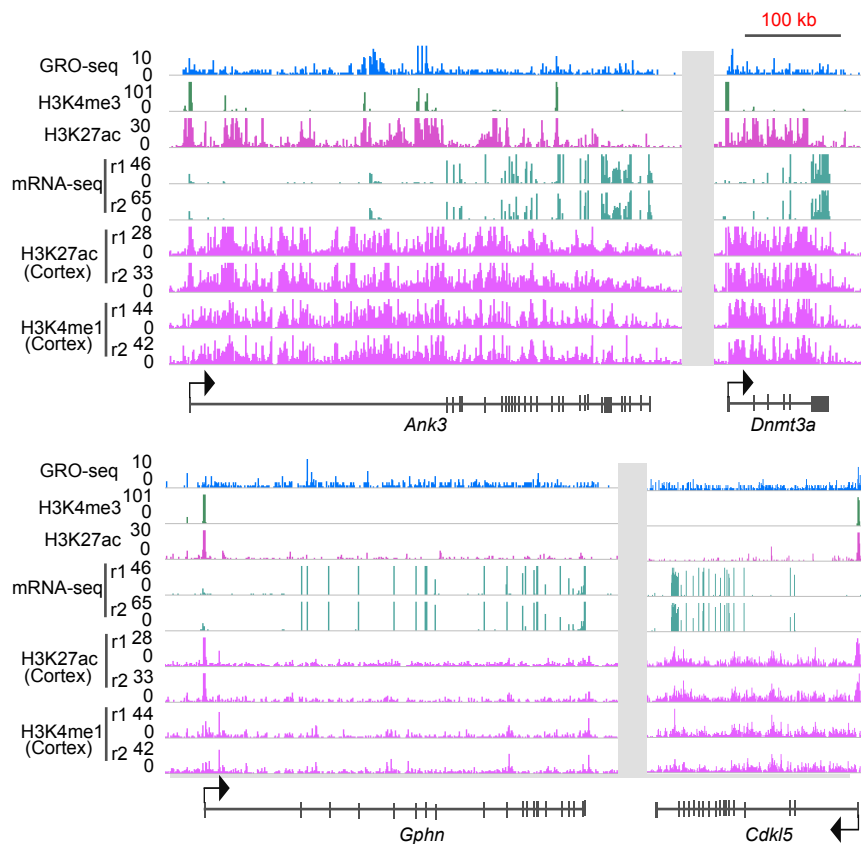
A

	Total reads	Uniquely mapped reads
RNA-seq rep1	79,194,691	64,681,702
RNA-seq rep2	54,082,514	45,553,463
GRO-seq rep1	12,100,905	9,668,768
H3K27ac rep1	33,742,444	22,370,579
H3K4me3 rep1	26,910,110	20,311,735
ChIP input rep1	41,081,491	9,540,599

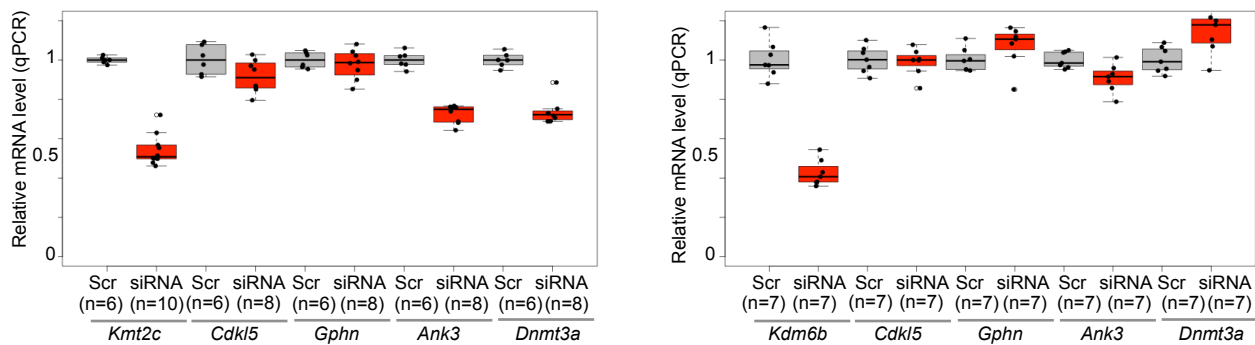
B



C



D



Supplemental Figure S7. BELD genes in Neuro 2a cells. (A) Mapping statistics of sequencing data sets generated from Neuro 2a cells. (B) Ranking of genes by their gene body H3K27ac signals (edgeR RPMs) and the identification of the cutoff for BELD genes in Neuro 2a cells. (C) Browser representations of the sequencing profiles in the Neuro 2a cells for two BELD genes (*Ank3* and *Dnmt3a*) and two non-BELD genes (*Gphn* and *Cdkl5*). (D) Boxplots of the expression changes of two BELD genes and two non-BELD genes in response to *Kmt2c* (left) and *Kdm6b* (right) known-down in Neuro 2a cells. Each black dot represents an individual experiment.