

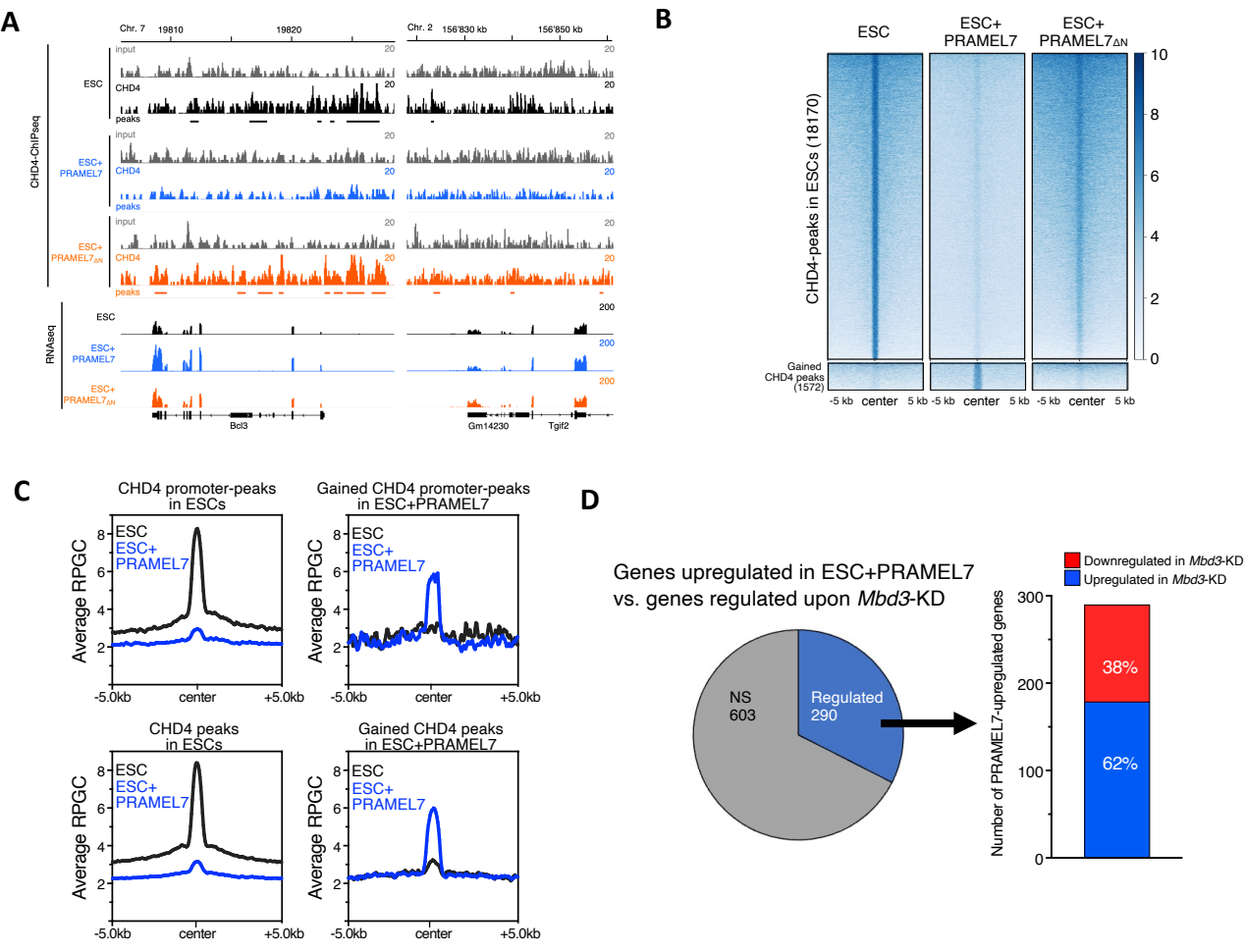
Appendix

PRAMEL7 and CUL2 decrease NuRD stability to establish ground-state pluripotency

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Appendix Figure S1



Appendix Figure S1

PRAMEL7-CUL2 axis contrasts the repression of genes associated with NuRD complex

A. Representative images showing CHD4-association in ESCs (ChIPseq) and gene expression (RNAseq) in parental ESCs, ESC+H/F-PRAMEL7_{WT}, and ESC+H/F-PRAMEL7_{ΔN} of two upregulated PRAMEL7_{Cul2}⁻ genes with CHD4-bound promoters.

B. Heatmap showing all CHD4 peaks detected in parental ESCs and the corresponding signals in ESC+H/F-PRAMEL7_{WT} and ESC+H/F-PRAMEL7_{ΔN}.

C. Average density plots of ChIPseq read counts of CHD4 peaks in parental ESCs and gained CHD4 peaks in ESC+PRAMEL7 at ± 5 Kb from CHAD4 peak summits. Data are represented for total CHD4 peaks and CHD4 peaks within promoters.

D. Quantifications of upregulated PRAMEL7 genes that are also upregulated in *Mbd3*-KD ESC+serum. RNAseq data are from (Luo *et al.*, 2015).