Supplementary Information

JMJD3 exerts oncorepressor activity in acute promyelocytic leukemia by promoting PU.1

expression



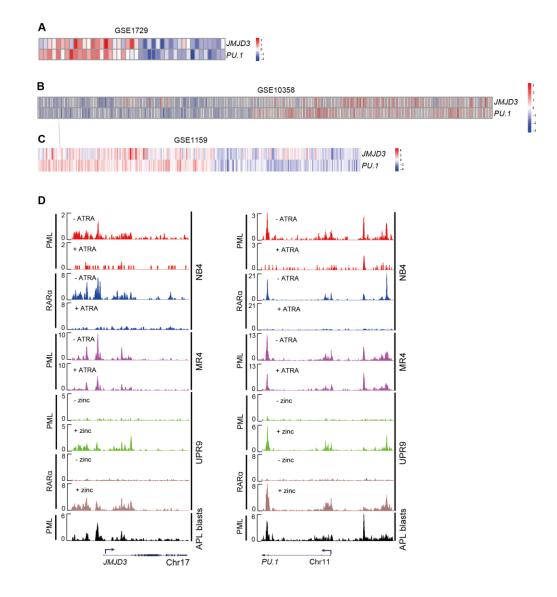
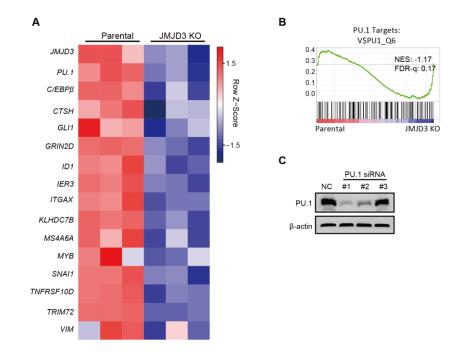
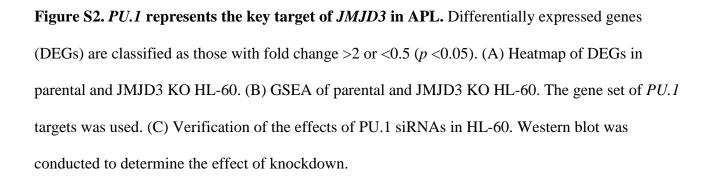


Figure S1. Correlation between *JMJD3* **and** *PU.1* **in APL.** (A-C) Heatmap of the expression of *JMJD3* and *PU.1* in the BM mononuclear cells of AML patients from GSE1729 (A), GSE10358 (B), and GSE1159 (C). (D) The analyses of published ChIP-seq data revealed that both *JMJD3* and *PU.1*



belong to the target genes of PML and RAR α .



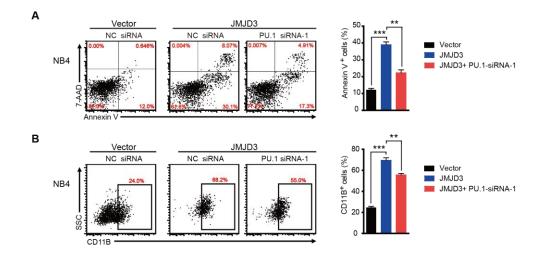


Figure S3. JMJD3 exhibited anti-human AML activity in a PU.1-dependent manner. (A) Flow

cytometric analyses of Annexin V (A), and CD11B (B) in NB4 transduced with empty vector,

JMJD3-expressing vector, or JMJD3-expressing vector plus PU.1 siRNA-1.