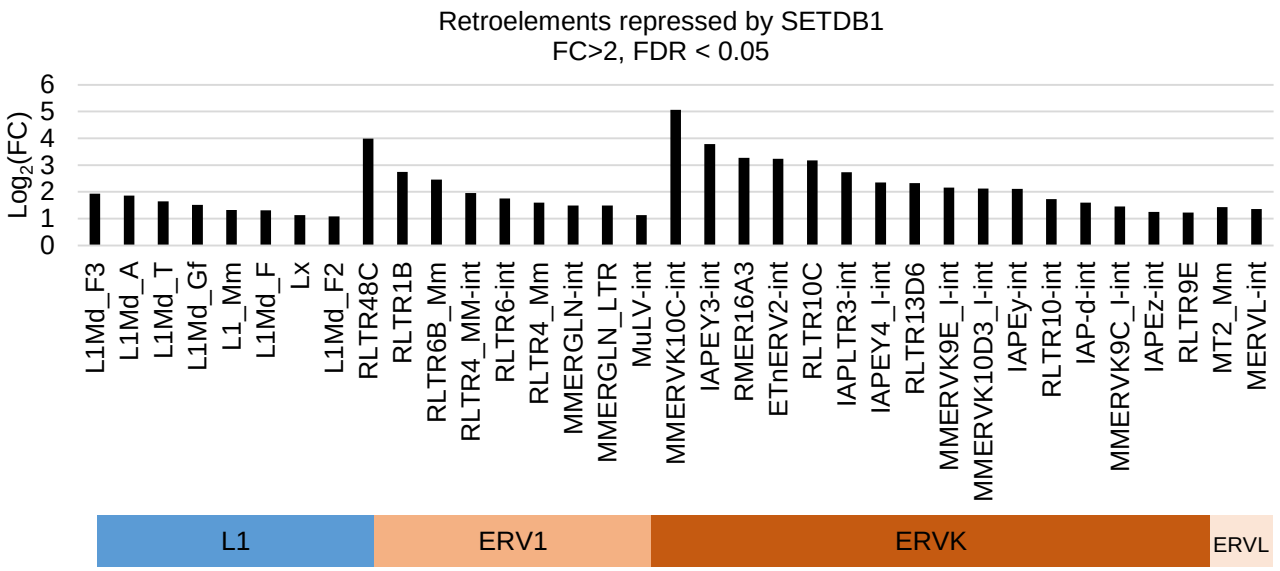
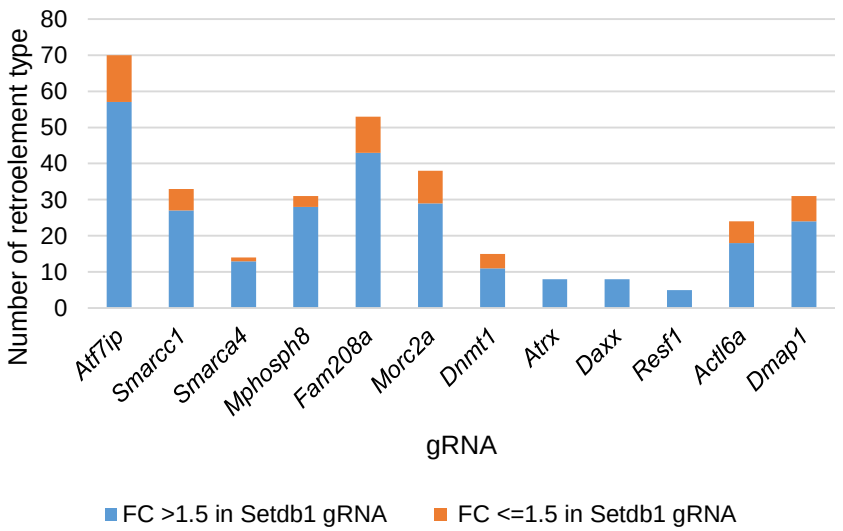
Fukuda_Fig_S2

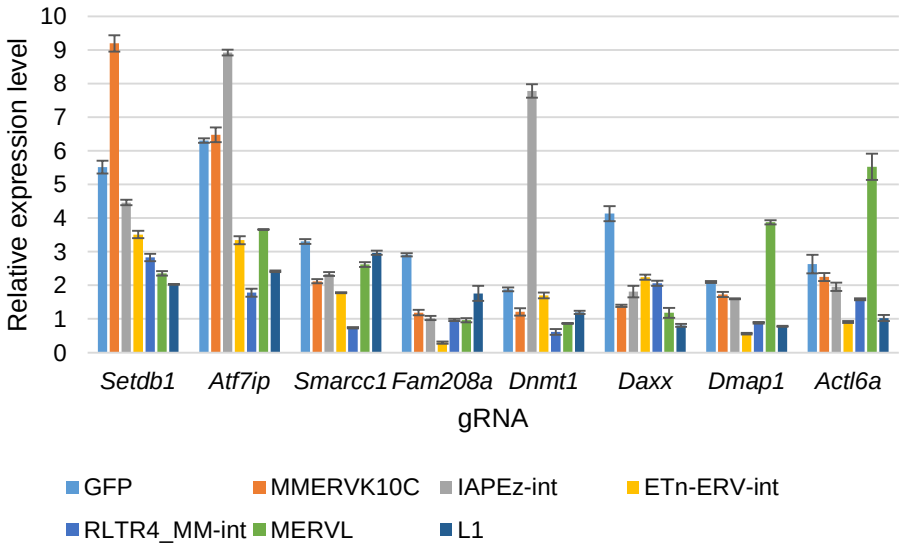
a



b



c



Supplemental Figure 2. Characterization of target repeats of top 20 genes identified by the gRNA screen and HUSH component genes. (a) Expression change of retroelements repressed by SETDB1. The repressed retroelements were identified by the following criteria: FDR < 0.05, FC > 2. Y-axis represents $\log_2$ fold change of retroelement expression in *Setdb1* gRNA plasmid transfected mESCs. (b) Cumulative bar graph of retroelement types derepressed by gRNA plasmid transfection (FC > 1.5). Number of retroelement type, which was derepressed by *Setdb1* gRNA transfection (FC > 1.5) were colored by blue. (c) RT-qPCR analysis retrotransposon expression in each silencing factor depleted mESCs. RNA was extracted at 5 days after the gRNA plasmid transfection. Data represent mean ± SE (n = 3).