



Figure S2. FMRP and DOT1L-Dependent Cell Survival Assays, Related to Figures 1 and 7

(A) HeLa cells stably expressing an FMRP RNAi hairpin and reconstituted with an RNAi resistant wild-type FMRP-Flag-HA construct or empty Flag-HA vector. FMRP RNAi+Flag-HA cells exhibited more cell death (asterisks $p < 0.05$, $n = 3$, 2-way ANOVA) in response to the increased concentration of APH as compared to FMRP RNAi+FMRP-Flag-HA cells.

(B) FMRP levels in cells used for the colony survival assays are shown in the box. Scrambled RNAi and FMRP RNAi are shown for comparison. Arrowhead demarcates exogenous Flag-HA-FMRP.

(C) Colony survival assays in the presence of APH using wild-type MEFs, FMRP KO MEFs and *Dot1L* mutant MEFs. FMRP KO MEFs and *Dot1L* mutant MEFs were more sensitive to the increased concentrations of APH as compared to wild-type MEFs (asterisks $p < 0.05$, $n = 3$, 2-way ANOVA).