



Figure S3. FMRP and γ H2A.X Colocalization, Related to Figure 2

(A) FMRP immunostaining with anti-FMRP antibody (1) (Abcam, red) and a second anti-FMRP antibody (2) (Calbiochem, green) without leptomycin B (LPB) treatment, indicating low levels of nuclear FMRP. Scale bar, 10 μ m.

(B) Overlap of FMRP and γ H2A.X foci in the presence of leptomycin B (LPB) in DMSO or APH treated MEFs. a,b,c show various degrees of γ H2A.X/FMRP overlap indicated by solid arrowheads. d shows an example of a cell where FMRP and γ H2A.X do not overlap (arrowhead). Scale bar, 10 μ m.

(C) Graph shows that about 30% of cells displayed at least partial (at least 1 overlap event per cell) γ H2A.X/FMRP overlap, which was increased upon APH treatment, although it was not a statistically significant increase ($p = 0.076$, Student t test). Data are represented as average of three independent experiments with SD.