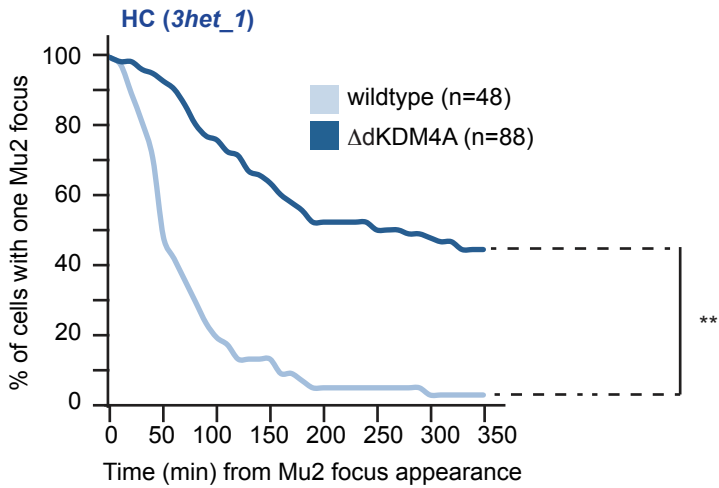
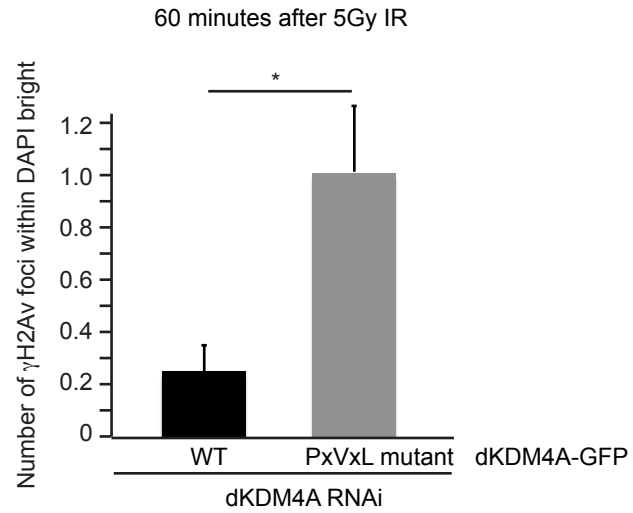


Supplemental figure 4

A



B



Supplemental figure 4.

A) Time-lapse analysis (as in Fig. 2A) of single Mu2-YFP-foci disappearance (minutes from appearance) of the *3het_1* heterochromatic DR-*white* insertion. Cells were imaged in wild type (light line) or Δ dKDM4A homozygous mutant larval tissue (Δ dKDM4A, dark line). n = number of cells with single Mu2 foci imaged for indicated conditions. ** = p-value < 0.0001, log-rank (Mantel-Cox) test. B) Quantification of the number of cells with γ H2Av foci in DAPI bright (heterochromatin) 60 minutes after irradiation upon dKDM4A depletion in the presence of RNAi-resistant wild type dKDM4A or the dKDM4A PxVxL mutant (V423A). Cells were fixed 60 minutes after irradiation and stained with an anti- γ H2Av antibody and DAPI (DNA). Averages are shown + SEM. * = p-value < 0.05 (t-test, unpaired).