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 ΔdKDM4A homozygous mutant larval tissue (ΔdKDM4A, 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 γH2Av 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-γH2Av antibody and DAPI (DNA). Averages are shown + SEM. * = p-value <0.05 (t-test, unpaired).