



Fig. S4: Cell proliferation, *macpiwi*, *macboule* and *macactin* expression dynamics, two weeks post-irradiation (protocol P1). (A₁-A₆) Somatic stem cell proliferation recovered at lower radiation doses (A₂-A₄) and to a lesser extent at higher doses (arrowheads) (A₅-A₆). (B₁-B₆) *Macpiwi* expression at two weeks post-irradiation recovered especially in testes and

ovaries. Several animals showed single-side recovery of gonads (B₄, B₆). *Macboule* expression (C₁-C₆) and *macactin* expression (D₁-D₆) were reduced in a dose-dependent manner due to loss of tissue homeostasis. In all figures, anterior is to the top. The scale bar (100 μm) is representative for all worms.