



Fig. S3: Cell proliferation, *macpiwi*, *macboule* and *macactin* expression dynamics, one week post-irradiation (protocol P1). (A₁-A₆) Somatic stem cell proliferation recovered in lateral domains at lower radiation doses (A₂-A₃), but recovered only gradually at higher doses

(A₄-A₆). Note single proliferating somatic stem cells distributed over the body (full arrowheads). By contrast, proliferating gonadal stem cells remain clearly present at all radiation doses (A₂-A₆). (B₁-B₆) *Macpiwi* expression one week post-irradiation regained the normal expression pattern at lower doses (B₁-B₃), but remained low at higher radiation levels (B₅, B₆). *Macpiwi* expression in female gonads was only slightly affected (B₄-B₆). (C₁-C₆) *Macboule* expression one week post-irradiation showed a dose-dependent downregulation of gene expression (C₅, C₆). (D₁-D₆) Expression of the housekeeping gene *macactin* one week post-irradiation was slightly reduced. In all figures, anterior is to the top. The scale bar (100 μm) is representative for all worms.