

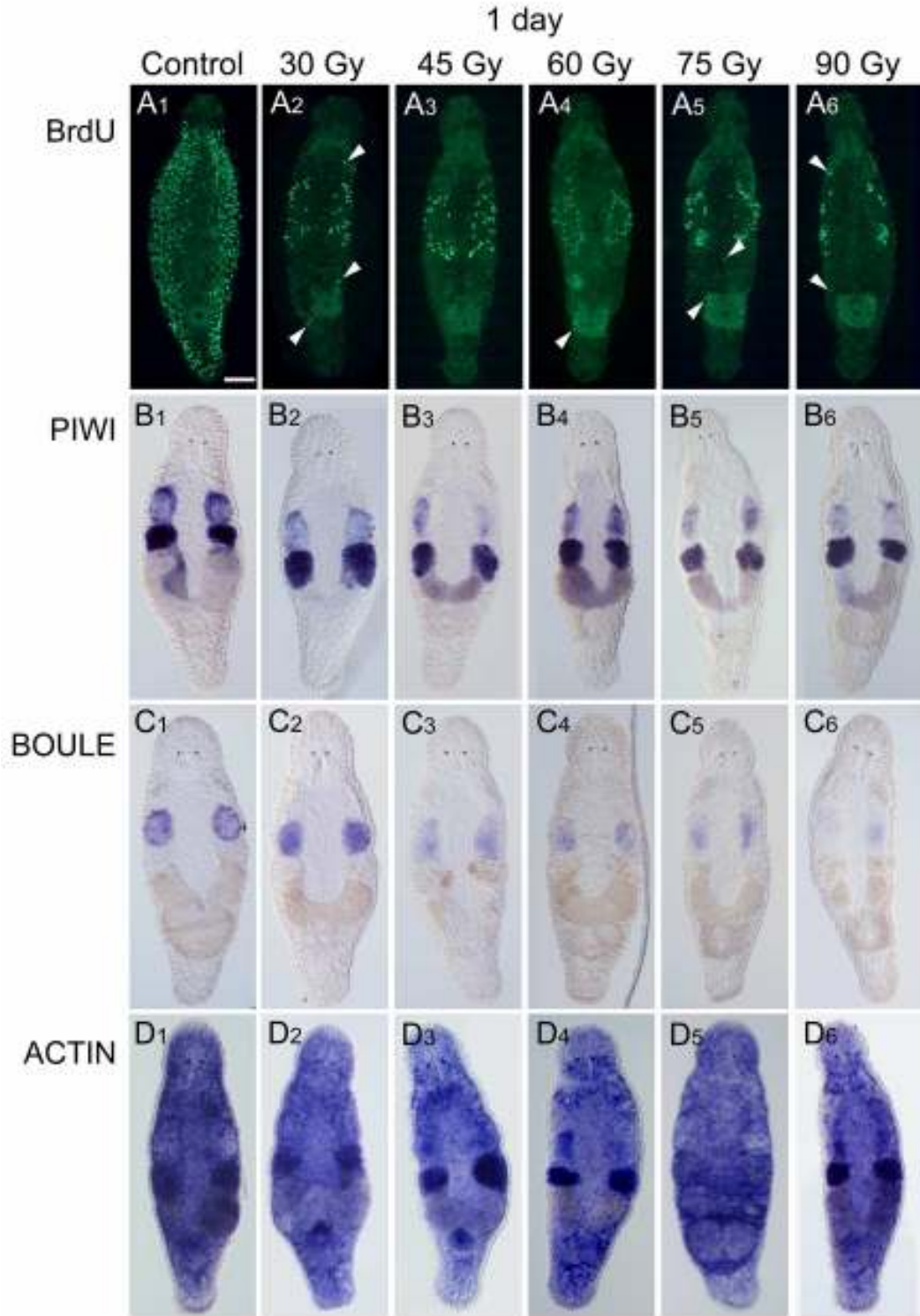


Fig. S2: Cell proliferation, *macpiwi*, *macboule* and *macactin* expression dynamics, one day after final irradiation exposure (protocol P1). (A₁-A₆) Somatic stem cell proliferation remained low at all radiation levels up to one day post-irradiation (0-90 Gy), although single cells could be detected (full arrowheads). By contrast, gonadal stem cells remained clearly

present (A_2 - A_6). (*Macpiwi* B_1 - B_6) and *macboule* ($C1$ - $C6$) expression one day after irradiation showed a weak dose-dependent downregulation, being lowest at highest radiation doses (B_5 , B_6). *Macpiwi* expression in female gonads was almost not affected. (D_1 - D_6) Expression of the housekeeping gene *macactin* remained unchanged, irrespective of the radiation dose applied. In all figures, anterior is to the top. The scale bar (100 μ m) is representative for all worms.