



**Figure S2 Worms with SMC-5/6 complex defect accumulate RAD-51 foci in mitotic germ cells independently of *spo-11*.**

**a.** Percentages of germ cells in L4 larval mitotic germline containing 0, 1, 2, 3 or more RAD-51 foci per nucleus. The number of germ cells quantified for each genotype is indicated at the base of the bars. The graph is based on  $\alpha$ RAD-51 and DAPI staining of dissected germlines. **b.**  $\alpha$ RAD-51 and DAPI staining of dissected germlines. Shown are representative deconvolved images of young adults for *smc-5(ok2421);spo-11(ok79)* and *spo-11(ok79)*, and the rest are of L4 larvae. Scale bar = 5  $\mu$ m.