



Figure S7 RAD-51 removal on the X chromosome is unaffected in SSA and NHEJ mutants competent for HR. Comparison of total RAD-51 foci (left) and X chromosome-specific RAD-51 (right) in wild-type (green, n=183), *lig-4* (blue, n=90), *xpf-1* (red, n=97), and *xpf-1;lig-4;him-8(me4)* (orange, n=157) male pachytene nuclei. Error bars = S.E.M. Total RAD-51 foci per nucleus: EP: wild-type (av=5.15+/-0.43), *lig-4* (av=6.54+/-0.54), *xpf-1* (av=3.52+/-0.47), *xpf-1;lig-4;him-8(me4)* (av=4.24+/-0.40); MP: wild type (av=2.09+/-0.31), *lig-4* (av=2.60+/-0.43), *xpf-1* (av=1.00+/-0.17), *xpf-1;lig-4;him-8(me4)* (av=0.82+/-0.22); LP: wild type (av=1.49+/-0.29), *lig-4* (av=0.65+/-0.32), *xpf-1* (av=0.30+/-0.13), *xpf-1;lig-4;him-8(me4)* (av=0.08+/-0.40). RAD-51 foci per X chromosome: EP: wild type (av=0.78+/-0.10), *lig-4* (av=0.95+/-0.14), *xpf-1* (av=0.68+/-0.15), *xpf-1;lig-4;him-8(me4)* (av=0.41+/-0.11); MP: wild-type (av=0.29+/-0.06), *lig-4* (av=0.23+/-0.08), *xpf-1* (av=0.08+/-0.04), *xpf-1;lig-4;him-8(me4)* (av=0.05+/-0.04); LP: wild type (av=0.09+/-0.06), *lig-4* (av=0.18+/-0.10), *xpf-1* (av=0.04+/-0.04), *xpf-1;lig-4;him-8(me4)* (av=0).