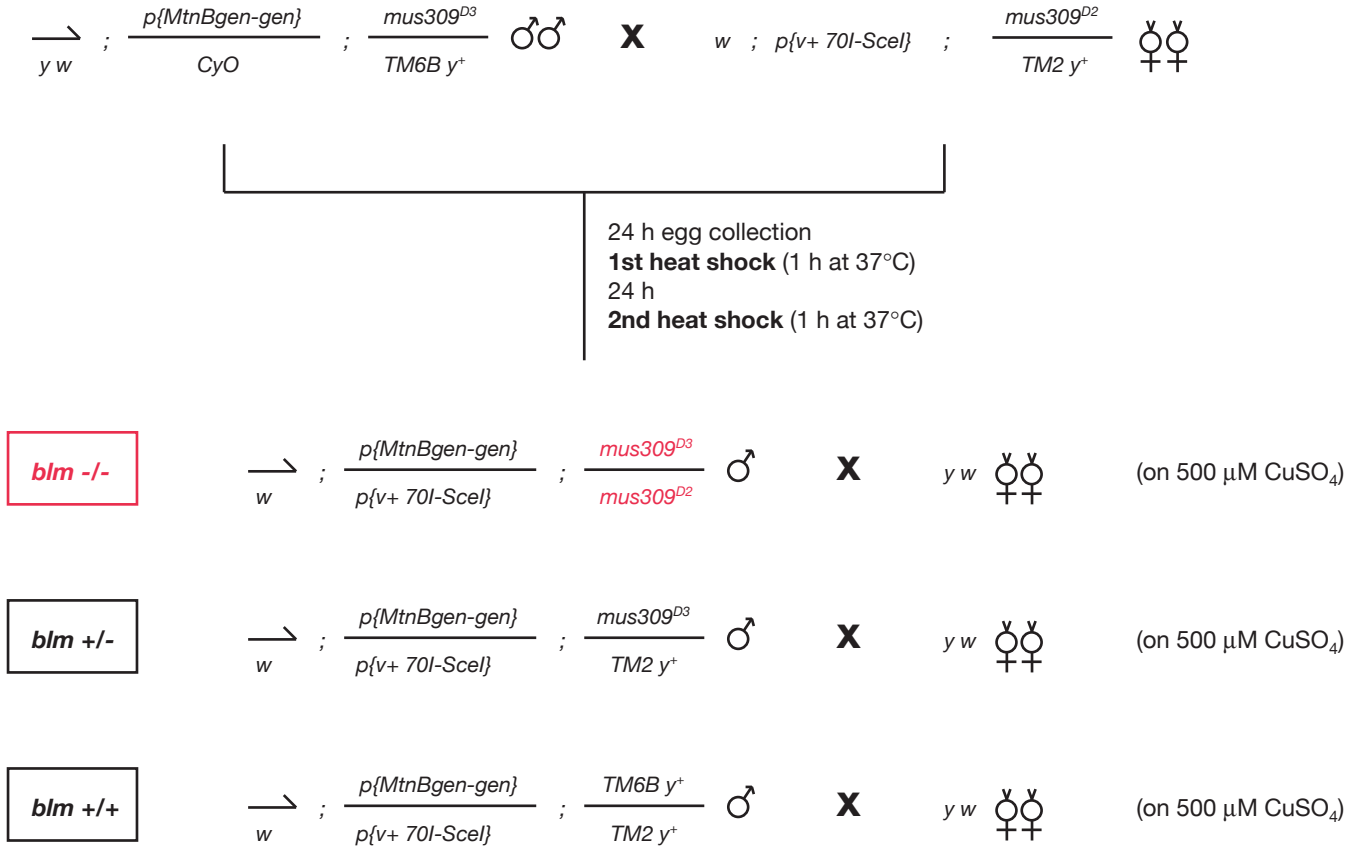

Figure S2
Crossing scheme for SSA analysis in blm mutant flies
For the investigation of SSA in *blm* mutants, tester constructs that are located on the 2nd chromosome were analyzed. All constructs were inserted with the help of P-elements. The tester construct transgene *p{MtnBgen-gen}* is marked with *w+*. The ratio of flies with EGFP positive abdomen per *w+* flies among the offspring was determined in all analysis tubes of the final cross for each genotype. Homozygous *blm* mutant genotypes are indicated in red. Identical analysis was also done for *p{MtnBgen*-gen}* and *p{MtnBcDNA-gen}*.