

Supporting Information

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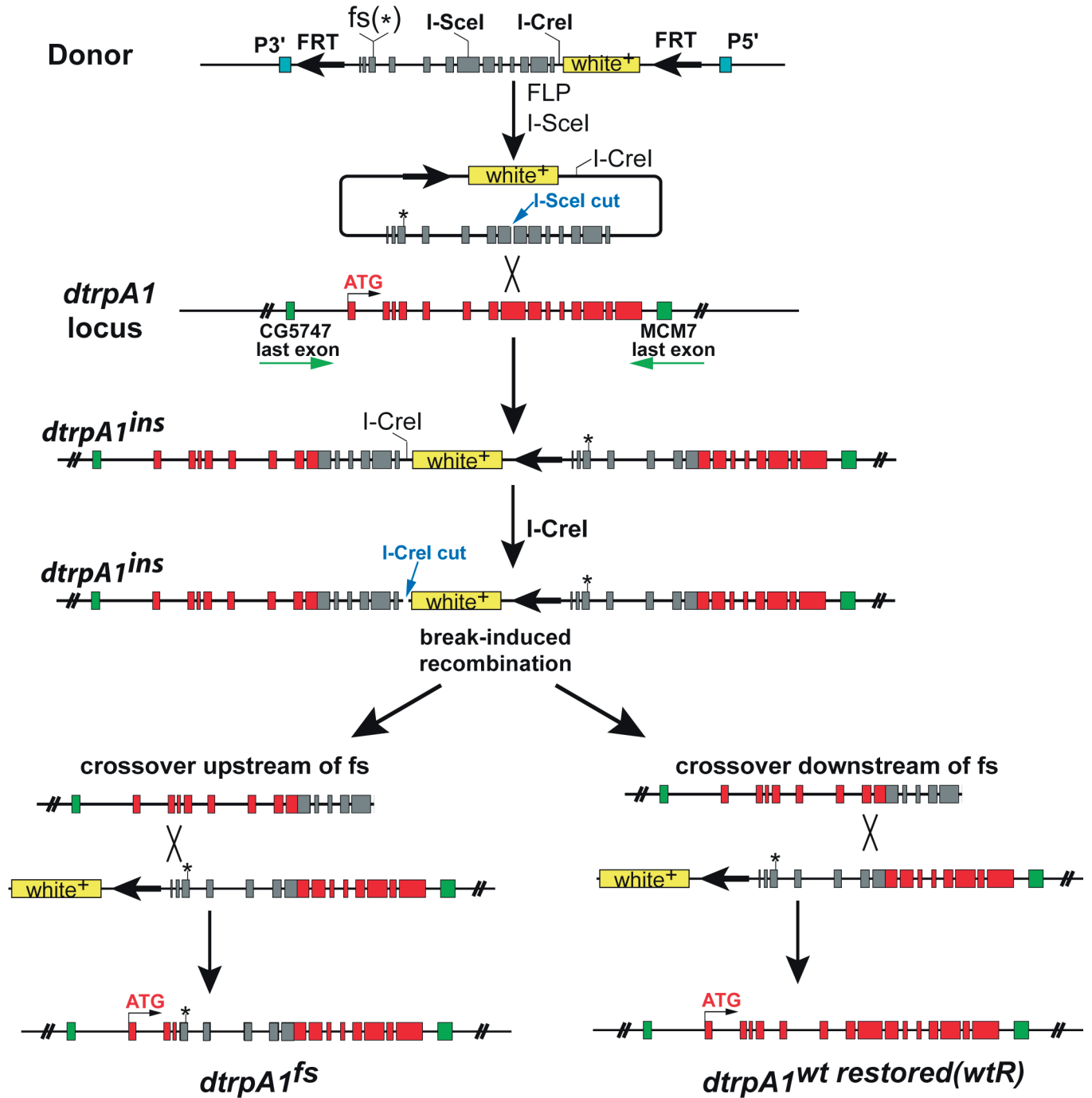


Fig. S1. Generation of *dtrpA1^{fs}* mutant and wild-type control (*dtrpA1^{wtR}*) strains. *dtrpA1^{ins}* was generated via homologous recombination-mediated gene targeting (48). *dtrpA1^{ins}* tandem duplication was subsequently reduced to a single copy through I-Cre-I break-induced recombination (29). Recombination upstream of frameshift mutation generated *dtrpA1^{fs}*, whereas recombination downstream of frameshift mutation regenerated a wild-type *dtrpA1* allele, *dtrpA1^{wtR}*. The *dtrpA1^{wtR}* chromosome should be identical to *dtrpA1^{ins}* and *dtrpA1^{fs}* except for sequences within *dtrpA1*. *dtrpA1^{wtR}* serves as a genetic control analogous to the precise excision of a transposon. Letter X denotes approximate crossover locations. Asterisk indicates frameshift mutation in exon 4. See Materials and Methods for details.

