

Fig. S2

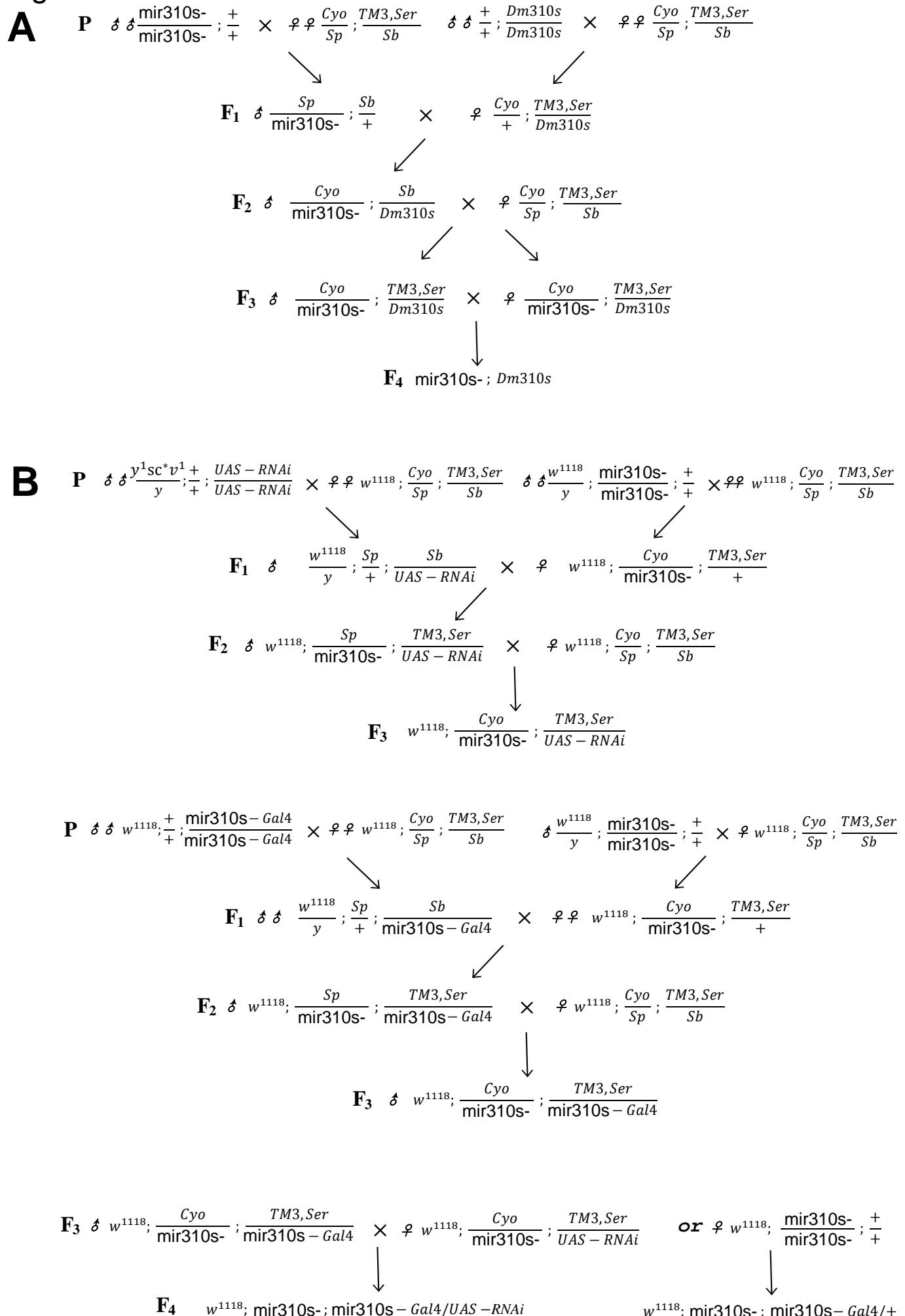


Figure S2. Cross scheme for constructing the rescue lines. (A) Introducing Dm310s (mir310s from *D.melanogaster*, here after) to mir310s- background. Mir310s- and the Dm310s transgenic lines (Tang et al. 2010) were crossed with double balancer *Cyo/Sp, TM3,Ser/Sb*. We obtained the rescue line with genotype mir310s-;Dm310s at F₄ generation. The cross scheme for Dp310s (mir310s from *D.pseudoobscura*, here after) rescue line is the same, but using the Dp310s transgenic males (Tang et al. 2010) as F₁. **(B)** The cross scheme for constructing the RNAi rescue lines and their corresponding control line. At generation F₄, we obtained target RNAi rescue flies of the genotype mir310s-; mir310s-Gal4/UAS-RNAi, and the control flies of mir310s-;mir310s-Gal4/+.

Virgin females were used in these cross schemes.