

Fig. S5

Color Key

0.5 1 1.5 2 2.5 (Value)

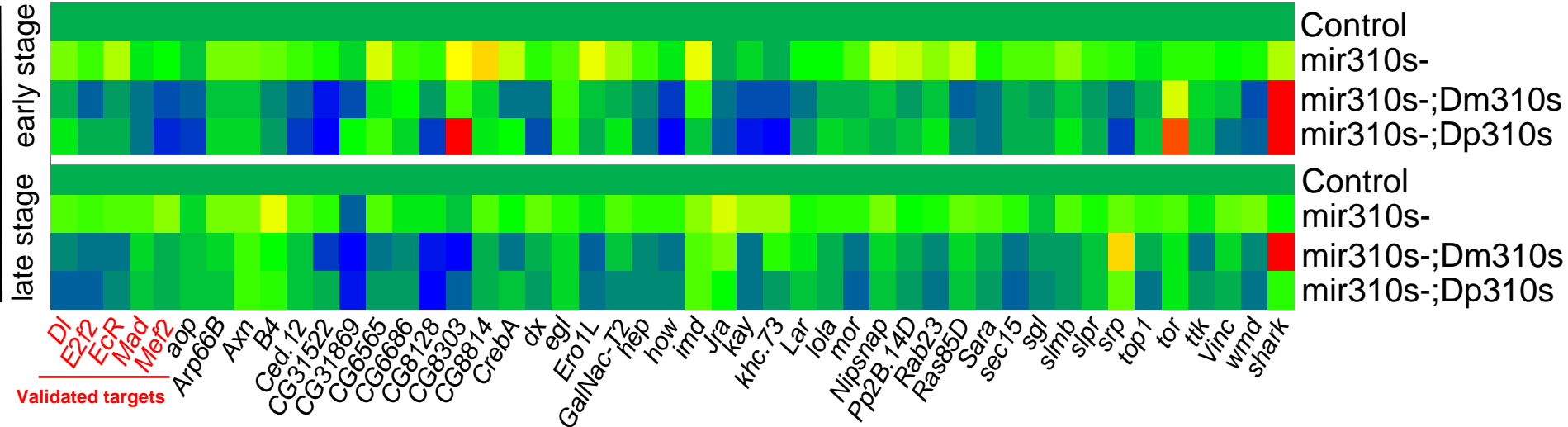

relative expression
in oogenesis

Figure S5. Relative expression of 47 candidate targets measured by qRT-PCR in early and late stages of oogenesis. For each gene, expression in control flies was set as 1, and relative expression in other three lines was obtained by the $2^{-\Delta\Delta CT}$ method (Livak and Schmittgen 2001). Color key indicated relative expression level. The five targets placed on the left in red were selected for further experimental validation.

Most of these genes were up-regulated in both early and late stage oogenesis of *mir310s*-, and were repressed when *Dm310s* or *Dp310s* was re-introduced (denoted as *mir310s*;-*Dm310s* or *mir310s*;-*Dp310s*, respectively), indicating most of them were directly regulated by *miR310s* (except for *CG8303*, *tor*, *shark* at early stage, and *srp*, *shark* at late stage). qRT-PCR was performed in triplicate, using the house keeping gene *rp49* as endogenous control.