

**Figure S7. *A-Myb* Mutants, but Not *Miwi* Mutants, Change the Expression of RNA Silencing Pathway Genes, Related to Figure 7**

(A) mRNA abundance in 17.5 dpp *A-Myb* versus heterozygous testes. The 2,860 genes with a significant ( $q < 0.05$ ) change in steady-state mRNA abundance are shown as open red circles. Among them, 879 genes also had A-MYB peaks within 500 bp of their transcription start sites. These “A-MYB targets” are marked with filled red circles.

(B) Same as (A) but in 14.5 dpp *Miwi* mutant versus heterozygous testes. The genes encoding proteins implicated in RNA silencing pathways that were labeled in (A) and that showed no change in expression in *Miwi* mutant testes are highlighted as green filled circles. As expected, *Miwi*, showed a significant decrease in mRNA abundance in *Miwi*<sup>-/-</sup> testes.

(C) The change in mRNA abundance (rpkm) in *A-Myb* and *Miwi* mutant testes versus heterozygous controls for the RNA silencing genes highlighted in Figure 7 and this figure, panels (A) and (B).