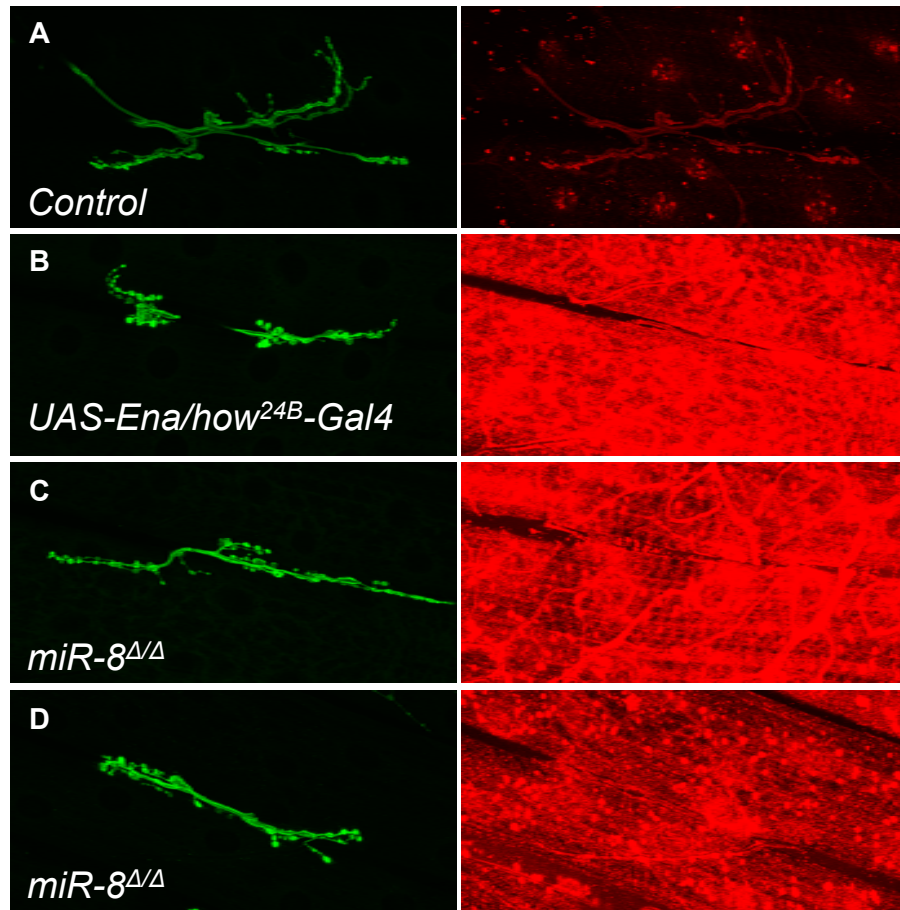


Supplemental Figure 1. Ena is an *in vivo* target of miR-8. (A-D) Images of third instar larval wing imaginal discs of *tub-EGFP-Ena3'UTR* and *tub-EGFP-Ena3'UTRmut* animals in a *ptc-Gal4* (A, B) or *ptc-Gal4>UAS-miR-8* expressing background (C, D), immunostained with an EGFP antibody. Cells expressing miR-8 along the anterior-posterior boundary of the wing pouch, indicated by white arrows display reduced levels of EGFP in B. Decrease in EGFP levels is not observed in D.

HRP (Neuron) / Ena



Supplemental Figure 2. Ena is highly over-expressed in muscle of miR-8 null animals. Images of *Drosophila* 6/7 NMJs immunostained with HRP (green) and Ena (red). Scale bar, 20 μ m. Ena expression in wild type control (A), over-expression of Ena with the pan-muscle *how^{24B}-Gal4* driver (B), and miR-8 loss (*miR-8^{Δ/Δ}*, C-D).