



Figure S5. Overexpressing *UAS-RluA-1* in larval sensory neurons using *md-GAL4* has no effect on the larval thermal nociception at 42°C noxious stimulus. Larvae expressing *UAS-RluA-1* under the *md-GAL4* driver showed no significant difference from the *md-GAL4* driver alone or *UAS-RluA-1* alone control larvae (average latency of 6.69 ± 2.81 sec in *md-GAL4*^{+/+}; *UAS-RluA-1*^{+/+}, n=41 vs 6.73 ± 2.89 sec in *md-GAL4*^{+/+}, n=37 or 5.48 ± 3.28 sec in *UAS-RluA-1*^{+/+}, n=21). Data were analyzed using Kruskal-Wallis test with Dunn's multiple comparison tests.