



Figure S7. Knocking out the ubiquitously expressed *RluA-2* causes hypersensitive thermal nociception in *Drosophila* larvae in *RluA-2*^{del-FRT} upon noxious stimulus of 42°C. An independently generated deletion mutant *RluA-2*^{del-FRT} (*RluA-2*^{-/-}) larvae responded significantly faster compared to the background genotype isow¹¹¹⁸ (average latency of 7.99 ± 6.62 sec in *RluA-2*^{-/-}, n=50 vs 12.94 ± 8.81 sec in +/+, n=38). Significance of the comparison is marked as ** (exact p<0.01). Data were analyzed using Mann-Whitney unpaired test.