Efficiencies of dsRNA-mediated knockdown of *TRP* and *TRPR*. (manuscript section 2.3.2)



**Efficiencies of dsRNA-mediated knockdown of *TRP* and *TRPR*.** dsRNA (200 ng/bee for *TRP*, 2 μg/bee for *TRPR*) was microinjected into the head of honeybees via the central ocellus using a microinjector. dsRNA of green fluorescent protein gene (ds*GFP*, 2 μg/bee) was used as control. At 0, 12, 24, and 48 hours after injection, a group of 6 individual bees were collected from each injection group. Three independent replicate groups per condition were collected and qRT-PCR was performed to calculate the RNAi efficiency. Student’s t-tests were used for pairwise comparisons (\*: *p* < 0.05, \*\*: *p* < 0.01, \*\*\*: *p* < 0.001).