

Supplemental figure

Fig. S1. Comparison of trehalose levels in hemolymph with and without tissues in *Acyrtosiphon pisum*.

Trehalose concentrations obtained from the hemolymph and the hemolymph containing the tissues of *A. pisum* were compared. A total of 9.2 nL of hemolymph only was obtained using a thin glass capillary (Narishige, Japan), as previously described (n = 9) (Yoshinaga et al., 2024). Hemolymph containing *A. pisum* tissues was obtained from the ground samples using a pestle (n = 3). Trehalose was quantified using the biosensor. Data are mean $\pm$ SD. Each dot represents an individual. Welch's *t*-test. *****p* < 0.0001 where indicated. Sample collections were performed using *A. pisum* adults during the day at 72 h after molting. Trehalose levels: Hemolymph only; 219.3 $\pm$ 9.7 mM (mean $\pm$ SD), Hemolymph with tissues; 462.2 $\pm$ 10.1 mM (mean $\pm$ SD).