

Figure S1: Insect combinations of the assays. Including L2vsL2 (L2-L2 comparing group), L2vsL4 (L2-L4 and L4-L2), L2vsL6 (L2-L6 and L6-L2), L4vsL4 (L4-L4), L4vsL6 (L4-L6 and L6-L4), L6vsL6 (L6-L6, shared in assay 1 and assay 2), L6vsL5 (L6-L5 and L5-L6), and L5vsL5(L5-L5). The scored larva in L2vsL2, L4vsL4 and L6vsL6 was marked with dark point (indicated with red circle in the picture).

Figure S2: Food consumption rate of *T. xiaojinensis*. Food consumption rate of (a) L2, (b) L4 and (c) L6 *T. xiaojinensis* after 1 day, 3 days and 7 days starvation.

Figure S3: ABS for three different aggressive behaviors. Mean aggression behavior scores (ABS) (\pm SE) of different comparing groups with food (a) or without food (b). blue, orange, and grey bar represented “hit”, “bite” and “chase” behavior, respectively.