

**Table S2.** Identification of bacteria isolated from adult thrips, according to their similarity with the sequences of the 16S RNAr gene. The identification of the species was considered positive when the % similarity was greater than 98%.

Code	Related taxa (GenBank acc. No.)	BlastN (%ID)	Phylum	Found in other insects (Reference)	Note (Reference)
T3H1_1	<i>P. agglomerans</i> (NR_041978.1)	99	Proteobacteria	<i>F. occidentalis</i> (Chanbusarakum and Ullman,[14]), <i>F.</i> <i>fusca</i> (Wells et al. [54]) and <i>T. tabaci</i> (De Vries et al. [19])	Symbiont
	<i>Pantoea</i> sp. (EU029106)	99	Proteobacteria	<i>F. occidentalis</i> (Chanbusarakum & Ullman, [14]; Facey et al. [18])	Symbiont (Chanbusarakum & Ullman, [14]; Facey et al. [18])
T3H7	<i>S. liquefaciens</i> (NR_122057.1)	99	Proteobacteria	<i>Bombyx mori</i> (Kaibara et al. [55])	Insecticide production
T5F2	<i>S. liquefaciens</i> (NR_122057.1)	99	Proteobacteria	<i>Bombyx mori</i> (Kaibara et al. [55])	Insecticide production
T5H9_3	<i>S. liquefaciens</i> (NR_122057.1)	99	Proteobacteria	<i>Bombyx mori</i> (Kaibara et al. [55])	Insecticide production

T5H13	<i>S. liquefaciens</i> (NR_042062.1)	99	Proteobacteria	<i>Bombyx mori</i> (Kaibara et al. [55])	Insecticide production
T6H1	<i>S.liquefaciens</i> (NR_122057.1)	99	Proteobacteria	<i>Bombyx mori</i> (Kaibara et al. [55])	Insecticide production
T7F1_3	<i>B. cereus</i> (NR_074540.1)	100	Firmicutes	Bugs, roaches, termites (Margulis et al. [56])	Symbiont (Margulis et al., [56])and Pesticides (Shafi et al., [57])
T7F4_1	<i>B.thuringiensis</i> (NR_114581.1)	100	Firmicutes	NR	Insecticide (Orozco-Flores et al., [58])
T7F4_3	<i>B. safensis</i> (NR_112637.1)	99	Firmicutes	NR	Insecticide (Orozco-Flores et al., [58])
T7F4_4	<i>B.thuringiensis</i> (NR_114581.1)	100	Firmicutes	NR	Insecticide (Orozco-Flores et al., [58])
T7F4_9	<i>B.thuringiensis</i> (NR_114581.1)	100	Firmicutes	NR	Insecticide (Orozco-Flores et al., [58])
T7H1_1	<i>B. cereus</i> (NR_074540.1)	100	Firmicutes	Bugs, roaches, termites (Margulis et al. [56])	Symbiont (Margulis et al., [56])and Pesticides (Shafi et al., [57])
T7H2_1	<i>B. cereus</i> (NR_074540.1)	100	Firmicutes	Bugs, roaches, termites (Margulis et al. [56])	Symbiont (Margulis et al., [56])and Pesticides (Shafi et al., [57])

T7H3_1	<i>B. velezensis</i> (NR_116240.1)	99	Firmicutes	NR	Suppress the growth of microbial pathogens (Rabbee et al. [59])
	<i>P. cypripedii</i> (NR_118857.1)	98	Proteobacteria	NR	NR
T8H6	<i>Erwinia aphidicola</i> (BFo1) (EU029105)	97	Proteobacteria	<i>F. occidentalis</i> (Chanbusarakum & Ullman, [14]; Facey et al. [18])	Symbiont (Chanbusarakum & Ullman, [14]; Facey et al. [18])
T9H2	<i>S. olei</i> (NR_157757.1)	100	Proteobacteria	NR	Oil-contaminated soil (Kumar and Kim, [60])
T9H2_7	<i>M.osloensis</i> (NR_104936.1)	99	Proteobacteria	NR	Molluscicides (An et al. [61])
					Symbiont (Sivakumar et al. [62])
T9H4	<i>B. amyloliquefaciens</i> (NR_116022.1)	99	Firmicutes	<i>Amrasca biguttula biguttula</i> (Sivakumar et al., 2017)	Plant-growth-promoting (Chen et al. [63])
					Antifungal activity (Yuan et al. [64])

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