

Taeniothrips



Generic diagnosis

Female macropterous. Head usually prolonged in front of eyes, constricted behind large eyes; maxillary palps 3-segmented; eyes without pigmented facets; ocellar setae I absent, setae III long; five pairs of postocular setae. Antennae 8-segmented; segment I without paired dorso-apical setae, III and IV with sense-cones forked, III–VI usually with microtrichia on both surfaces.

Pronotum wider than long; two pairs of long posteroangular setae; two pairs of posteromarginal setae. Mesonotum with median pair of setae far from posterior margin; campaniform sensilla present. Metanotum with irregular reticulation; median pair of setae situated near anterior margin; campaniform sensilla present. Fore wings first vein with long gap in setal row, 8–10 basal and 3 distal setae; second vein with many setae evenly spaced; clavus with five veinal and one discal setae; posteromarginal fringe cilia wavy. Prosternal ferna entire; basantra membranous, without setae. Mesosternum with sternopleural sutures complete; endofurca with spinula. Metasternal endofurca without spinula. Tarsi 2-segmented.

Tergites without ctenidia or craspeda; VIII with comb complete, long and fine, usually with a few microtrichia anterior to spiracles; IX with two pairs of campaniform sensilla, MD setae well developed; X with longitudinal split incomplete. Sternites without discal setae or craspeda; III–VII with three pairs of posteromarginal setae; VII usually with S1 and S2 setae in front of margin; laterotergites without discal setae.

Male similar to female; antennal segment VI often longer than in female; sternites III–VII each with a transverse pore plate.

Biological data

The only species of this genus for which biological observations are available live in flowers.

Distribution data

At present, *Taeniothrips* is interpreted as an Holarctic genus with several species extending south through China into the Malaysian archipelago.

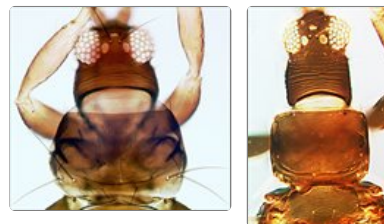
Nomenclatural data

Taeniothrips Amyot & Serville, 1843: 644. Type species *Thrips primulae* Haliday, a junior synonym of *Thrips picipes* Zetterstedt, by subsequent designation of Karny, 1907.

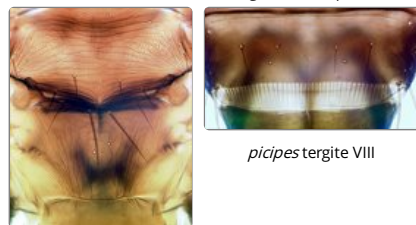
There are 30 species listed in this genus (ThripsWiki, 2020), although three of these are considered unrecognisable (Mound *et al.*, 2012), including the first of the eight listed here from China:



picipes antenna *picipes* female *eucharis* head



picipes head & pronotum *tigris* head & pronotum



picipes meso & metanotum *picipes* tergite VIII



picipes fore wing *picipes* female sternite VII



tigris male tergites VIII–IX

angustiglandus Han & Cui, 1992: 425.
cognaticeps Priesner, 1935: 127.
eucharii (Whetzel, 1923: 30). (*Physothrips*)
glanduculus Han, 1990: 333.
grisbrunneus (Feng, Chao & Ma, 1995: 15). (*Megalurothrips*)
major Bagnall, 1916: 216.
oreophilus Priesner, 1935: 355.
picipes (Zetterstedt, 1828: 561). (*Thrips*)
tigris Bhatti, 1995: 89.

Relationship data

Thripidae sub-family Thripinae: this is a diverse group involving more than 230 genera. The generic name *Taeniothrips* has had a complex history. For many years, prior to the work of Mound *et al.* (1976) and Bhatti (1978), it was applied to a wide range of unrelated species of Thripinae. The genus is now restricted to a small group of species that possibly comprise a single lineage (Mound *et al.*, 2012), but relationships among these species and with several small genera remain unclear. Wang *et al.* (2019), in a phylogenetic analysis of the *Taeniothrips* group of genera, were unable to resolve the species in the genus *Taeniothrips* as comprising a single lineage.

References

- Bhatti JS (1978) Preliminary revision of *Taeniothrips*. *Oriental Insects* 12: 157–199.
- Mound LA, Azidah AA & Ng YF (2012) Key to the non-fossil species of the genus *Taeniothrips* (Thysanoptera, Thripidae). *Zootaxa* 3414: 33–42.
- Mound LA, Morison GD, Pitkin BR & Palmer JM (1976) Thysanoptera. *Handbooks for the Identification of British Insects* 1 (11): 1–79.
- ThripsWiki (2020). *ThripsWiki - providing information on the World's thrips*. <http://thrips.info/wiki/Main_Page>
- Wang ZH, Li YJ, Tong XL & Mound LA (2020) Phylogenetic analysis of the *Taeniothrips* genus-group, with revision of the species of *Ctenothrips* and *Vulगतothrips* (Thysanoptera, Thripinae). *Zootaxa* 4750 (3): 301–327.