

Strongylophthalmyiidae

Gerhard Bächli (1998 Checklist: Bernhard Merz)

Last update: Jul 2024

Diagnosis: Small (3.5-5.5 mm), slender blackish flies with yellowish legs and somewhat flattened thorax and abdomen. Head rounded, frons rather wide, occiput swollen. Arista short-pubescent, ocelli present; ocellar setae developed, postvertical (postocellar) setae divergent, two fronto-orbital setae; interfrontal setulae and vibrissae absent. Wing hyaline, often with diffuse and somewhat darkened spots. C with a subcostal break; Sc incomplete, not reaching C. Tibiae without dorsal preapical setae.

Biology: The larvae are xylosaprophagous and have been reared from under the bark of rotting logs from deciduous trees; puparia are formed in the bast under dead bark. The adults occur on low vegetation in wet deciduous forests near the breeding sites of the larvae.

Nomenclature and classification: According to Iwasa (1998).

Number of species: CH: 1 (1998 Checklist: 1),
CZ: 1, NL: 1, Europe: 2, World: 3

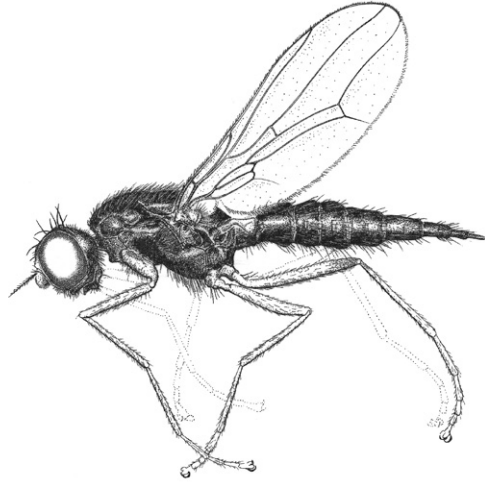
Level of faunistic knowledge in Switzerland: Good.

General references: Steyskal (1971) [key], Iwasa (1998) [general], Papp (2006).

References to the Swiss fauna: Merz (1998a, 1998b).

Checklist

Strongylophthalmyia Heller, 1902
- *ustulata* (Zetterstedt, 1847) !



Strongylophthalmyia ustulata,
female (CMPD3, p.172).

References

- Iwasa M. 1998. 3.10. Family Strongylophthalmyiidae. In: Papp L. & Darvas B. (eds). Contributions to a Manual of Palaearctic Diptera (with special reference to flies of economic importance). Vol. 3, Higher Brachycera: 173-175. Science Herald, Budapest, 880 pp.
- Merz B. 1998a. Die Megamerinidae, Strongylophthalmyiidae, Pseudopomyzidae, Chyromyidae und Camillidae der Schweiz (Diptera, Acalyptrata). Mitteilungen der Entomologischen Gesellschaft Basel 47(1997): 130-138.
- Merz B. 1998b. 57. Strongylophthalmyiidae. In: Merz B., Bächli G., Haenni J.-P. & Gonseth Y. (eds). Diptera - Checklist. Fauna Helvetica 1: 237. CSCF / SEG, Neuchâtel, 369 pp.
- Papp L. 2006. Strongylophthalmyiidae. In: Papp L., Merz B. & Földvári M. (eds). Diptera of Thailand. A summary of the families and genera with references to the species representations. Acta Zoologica Academiae Scientiarum Hungaricae 52: 165-172.
- Steyskal G.C. 1971. Notes on the genus *Strongylophthalmyia* Heller, with a revised key to the species (Diptera: Strongylophthalmyiidae). Annals of the Entomological Society of America 64(1): 141-144.