

## Aulacigastridae

Wayne N. Mathis (1998 Checklist: Gerhard Bächli)

Last update: Jul 2024

**Diagnosis:** Adult: Small to medium-sized flies (body length 1.6-5.2 mm). Colouration: Body predominantly dark brown to black. Frons often with anterior  $\frac{1}{4}$  -  $\frac{1}{2}$  yellowish in ground colour or bearing a transverse, large, orange band. Scutum typically bearing microtomentum. Wing usually mostly hyaline, partly infusate brown in some species.

Mature larva subcylindrical, amphipneustic, bearing a long, partially retractile terminal respiratory tube; integument white, almost transparent, covered with minute spicules and sensory setae, or smooth; anterior spiracles small, retracted into a pair of deep, narrow pockets; posterior spiracles on apex of respiratory tube, joined at their base, bifurcating posteriorly. Puparium light brown, oval in shape, with prothoracic spiracle completely everted.

**Biology:** Information in the literature on the natural history of *Aulacigaster* species is scarce. Adults and immatures from the Holarctic Region are peculiar to weeping wounds and sap fluxes of deciduous trees (Robinson 1953, Teskey 1976, Ferrar 1987).

**Nomenclature and classification:** Aulacigastridae are a distinct family, based on both larval and adult characters, which extent differs widely among authors. In our view two genera are included, with only *Aulacigaster* present in the Palaearctic (Rung et al. 2005).

**Number of species:** CH: 3 (1998 Checklist: 1),  
BE:1, CZ: 2, DE: 1, IT: 1, NL:1, UK:1, Europe: 5, World: 55.

**Level of faunistic knowledge in Switzerland:** Good. It is unlikely that additional species will be discovered.

**General references:** Rung & Mathis (2011) [world, key, general], Papp (1997) [European species, key].

**References to the Swiss fauna:** Bächli (1997, 1998), Bächli et al. (1999), Merz et al. (2002).

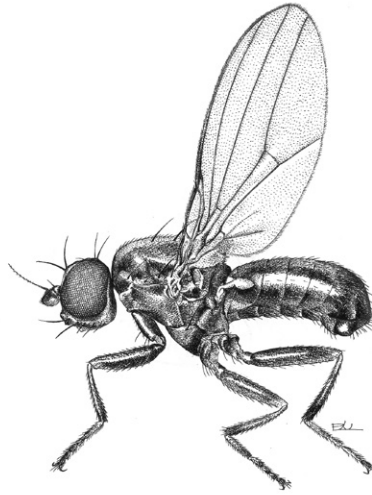
### Checklist

*Aulacigaster* Macquart, 1835

- *falcata* Papp, 1998 !

- *leucopeza* (Meigen, 1830) !

- *pappi* Kassebeer, 2001 !



*Aulacigaster leucopeza*,  
male (CMPD3, p.279).

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