

**Periscelididae** (incl. Stenomicrinae)

Lucia Pollini Paltrinieri (1998 Checklist: Gerhard Bächli [Periscelididae],  
Gerhard Bächli [Stenomicridae])

Last update: Jul 2024

**Diagnosis:** Minute to small flies (1-5 mm), either grey-brown flies, often with banded legs and antenna with second segment overhanging third segment like a hat (Periscelidinae), or delicate yellow or grey flies, head with somewhat reduced frontal chaetotaxy and thorax narrower than head (Stenomicrinae). Arista with long rays, ocelli present, tibiae without dorsal preapical bristle. Chaetotaxy and other features characters are different between the two subfamilies.

Periscelidinae: Oc-bristles present, P-bristles divergent, 1 pair of F-bristles curving backward, interfrontal bristles absent, row of vibrissae-like bristles present. Wing clear or with dark spots, veins clear or infuscated, costa continuous, vein Sc incomplete.

Stenomicrinae: Oc-bristles absent, P-bristles small and divergent or absent, 2 pairs of F-bristles lower pair curving inward, interfrontal bristles absent, vibrissae and a series of vibrissae-like bristles present. Wing rather elongate, clear or with tinged spots, subcostal break present, vein Sc incomplete.

**Biology:** The larvae of Periscelidinae are known for living in exuding sap at wounds on deciduous trees, and the adults are usually found near tree wounds and feed on tree sap; males may be seen hovering near sap runs. The biology of Stenomicrinae is little known, but it seems that they are associated with *Carex* and have been collected from tussocks. *Podocera soniae* (Merz & Roháček 2005) may be associated with dicotyledonous umbellifer.

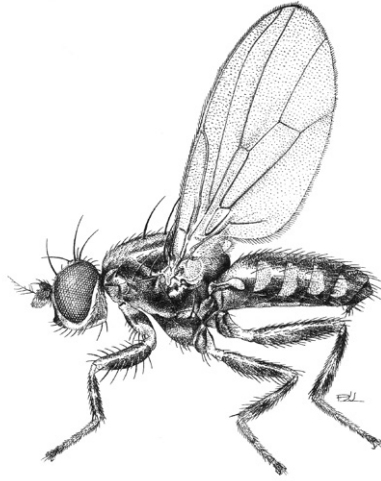
**Nomenclature and classification:** According to Mathis & Rung (2011) and Roháček et al. (2016). Including two subfamilies, Periscelidinae and Stenomicrinae; the second one was treated as a separate family in the 1998 checklist.

**Number of species:** CH: 8 (1998 Checklist: 4 [3 + 1]),  
CZ: 4, DE: 6, FR: 2, GB: 7, IT: 3, NL: 5, SK: 4, Europe: 10, World: 110.

**Level of faunistic knowledge in Switzerland:** Good.

**General references:** Bächli (1997) [key and faunistic], Papp et al. (2011) [nomenclature, key], Roháček et al. (2017) [key], Merz et al. (2005) [key and faunistic], Pollini Paltrinieri & Roháček (2022) [key].

**References to the Swiss fauna:** Bächli (1997, 1998a, 1998b), Bächli et al. (2006), Pollini Paltrinieri & Roháček (2022).



*Periscelis annulata*,  
male (CMPD3, p.285).

## Checklist

### Periscelidinae

*Periscelis* Loew, 1858

(*Myodris* Lioy, 1864)

- *annulata* (Fallén, 1813) !
- *haennii* Pollini & Roháček, 2022 !
- *pirircus* (Carles-Tolrá & Verdugo Pérez, 2009) ! [1]

(*Periscelis* s.str.)

- *annulipes* Loew, 1858 !
- *laszloi* Roháček, 2022 ! [2]
- = *winnertzii* auct. nec (Egger, 1862)
- *winnertzii* Egger, 1862 ! [3]
- = *fugax* Roháček & Andrade, 2017

### Stenomicrinae

*Podocera* Czerny, 1929 N1

- *delicata* (Collin, 1944) !
- = *Stenomicra* (*Diadelops*) *delicata* (Collin, 1944)
- *soniae* (Merz & Roháček, 2005) !
- = *Stenomicra* (*Podocera*) *soniae* Merz & Roháček, 2005

## Notes

N1 Subgenus *Podocera* is raised to genus level (Papp 2006).

## Species records

- [1] 10M, Tl, Losone, Arcegno, Collina di Maia, Castagneto con querce, 23.6.2016, 419 m., leg. Lucia Pollini Paltrinieri
- [2] 11M, 7F, Tl, Losone, Arcegno, Collina di Maia, Castagneto con querce, 21.7.2015, 419 m., leg. Lucia Pollini Paltrinieri
- [3] 7M, 8F, Tl, Losone, Arcegno, Collina di Maia, Castagneto con querce, 8.9.2015, 419 m., leg. Lucia Pollini Paltrinieri

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