

## Chyromyidae

Martin J. Ebejer (1998 Checklist: Bernhard Merz)

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**Diagnosis:** Very small to small (0.75-4.0 mm), generally pale yellow flies, some *Aphaniosoma* partly dark grey or brown; head rounded; eyes iridescent, usually a pale golden green; first flagellomere of antenna round; upper orbital setae reclinate; vibrissae present but often weak; postvertical setulae convergent; thorax somewhat flattened; posterior dorsocentral setae strong; acrostichal setulae small; pleura with strong setae on anepisternum and katepisternum; legs simple and without strong setae; preapical dorsal setae on tibiae absent; wing membrane hyaline;  $R_1$  short, not reaching middle of wing; subcosta complete; costal break at subcosta; anterior and posterior basal cells, discal and anal cells present;  $R_{2+3}$  slightly and symmetrically arcuate and gently converging towards  $R_{4+5}$  apically; anal vein not reaching wing margin; abdomen short and narrow though sometimes strongly swollen in gravid females of Chyromyinae.

**Biology:** Little is known about the immature stages. Adults have been reared from bird and mammalian nests and burrows, from tree holes and from guano. Adults are usually swept from foliage but can be collected in numbers using Malaise and pan traps.

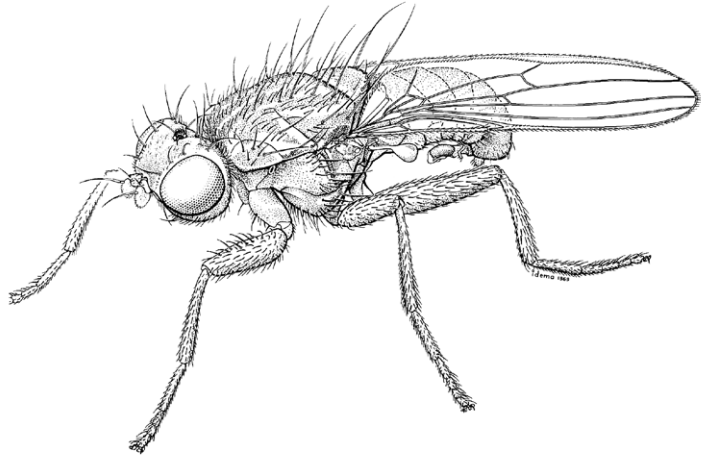
**Nomenclature and classification:** Nomenclature and classification follow Ebejer (2009). The nine genera of Chyromyidae are classified in two subfamilies. In Europe, the following genera are present: Chyromyinae – *Chyromya*, *Gymnochiromyia*; Aphaniosominae – *Aphaniosoma*. Over 200 species have been named worldwide but many from all zoogeographical regions still remain to be described.

**Number of species:** CH: 7 (1998 Checklist: 4),  
BE: 5, CZ: 9, DE: 13, FR: 14, GB: 11, IT: 17, NL: 8, Europe: 59, World: 215.

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

**General references:** Ebejer (2009).

**References to the Swiss fauna:** Merz (1997, 1998), Merz et al. (2002, 2006).



*Chyromya flava*,  
male (MND2, p.985).

## Checklist

- Aphaniosoma* Becker, 1903  
 - *propinquans* Collin, 1949 !
- Chyromya* Robineau-Desvoidy, 1830  
 - *flava* (Linnaeus, 1758) !  
 - *miladae* Andersson, 1976 !  
 - *oppidana* (Scopoli, 1763) !
- Gymnochiromyia* Hendel, 1933  
 - *flavella* (Zetterstedt, 1848) !  
 - *inermis* (Collin, 1933) !  
 - *mihalyii* Soós, 1979 !

## References

- Ebejer M.J. 2009. A revision of Afrotropical Chyromyidae (excluding *Gymnochiromyia* Hendel) (Diptera: Schizophora), with the recognition of two subfamilies and the description of new genera. African Invertebrates 50(2): 321-434.
- Merz B. 1997. Die Megamerinidae, Strongylophthalmyiidae, Pseudopomyzidae, Chyromyidae und Camillidae der Schweiz (Diptera, Acalyptrata). Mitteilungen der entomologische Gesellschaft Basel 47(4): 130-138.
- Merz B. 1998. 82. Chyromyidae. In: Merz B., Bächli G., Haenni J.-P. & Gonthier Y. (eds). Diptera - Checklist. Fauna Helvetica 1: 287. CSCF / SEG, Neuchâtel, 369 pp.
- Merz B., Bächli G. & Haenni J.-P. 2002. Erster Nachtrag zur Checkliste der Diptera der Schweiz. Mitteilungen der Entomologischen Gesellschaft Basel 51(3-4)(2001): 110-140.
- Merz B., Bächli G. & Haenni J.-P. 2006. Zweiter Nachtrag zur Checkliste der Schweiz. Mitteilungen der Entomologischen Gesellschaft Basel 56(4):135-165.