

## Hilarimorphidae

Jean-Paul Haenni (1998 Checklist: Jean-Paul Haenni & Bernhard Merz)

Last update: Jul 2024

**Diagnosis:** Small to medium sized (2-7 mm), stout and dark coloured, pubescent inconspicuous flies, superficially resembling empidids of genus *Hilara* or rhagionids of genus *Ptiolina*. Eyes holoptic in males, broadly separated in females, antenna with flagellar segment flattened and enlarged, bearing a small apical style, mouth-parts short and fleshy. Wing venation distinctive, no discal cell,  $R_{4+5}$  and  $M_{1+2}$  forked, cubital cell closed just before wing margin. Legs without bristles or spurs.

**Biology:** Adults are rarely encountered in moist and sandy places, alongside streams or ponds. Immature stages and biology unknown.

**Nomenclature and classification:** According to Fauna Europaea (Beuk et al. 2013).

**Number of species:** CH: 1 (1998 Checklist: 2),  
AT: 2, DE: 2, SK: 1, Europe: 2, World: ~30.

**Level of faunistic knowledge in Switzerland:** Good; the second known European species of the family, *H. singularis* Schiner, 1860, may possibly occur in Switzerland.

**General references:** Majer (1988) [catalogue, Palaearctic species], Beuk et al. (2013) [Fauna Europaea database], Nagatomi (1998) [general, key to genera], Webb (1974) [key, World species].

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

### Checklist

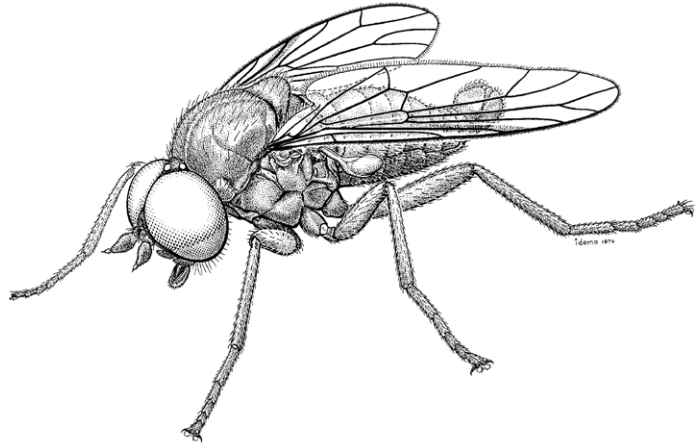
*Hilarimorpha* Schiner, 1860  
- *tristis* Egger, 1860 ! N1 [1]

### Excluded species

*Hilarimorpha singularis* Schiner, 1860 N2

### Notes

- N1 *Hilarimorpha tristis*: this species is still only known from Switzerland by two females collected in Bois de Finges / Pfywald VS.
- N2 *Hilarimorpha singularis* Schiner, 1860 was mentioned in the 1998 Checklist (Merz & Haenni 1998) based on specimens collected by L. Oldenberg and recorded as Swiss by Webb (1974). However it appears that Webb (1974) misunderstood the locality of these specimens, which proved not to be in Switzerland but in Italy. Accordingly, this species was removed from the list (Merz et al. 2006).



*Hilarimorpha ditissa*,  
male, not present in Switzerland (MND1, p. 603).

### Species records

[1] VS, Bois de Finges / Pfywald, 17.6.1997, leg. Jean-Paul Haenni (MHNN)

### References

- Beuk P., Pape T., Bystrowski C. & Richter V.A. 2013. Fauna Europaea: Hilarimorphidae. In: Beuk P. & Pape T. (eds). Fauna Europaea: Diptera, Brachycera. Fauna Europaea version 2.6. <http://www.faunaeur.org>.
- Haenni J.-P. & Merz B. 1998. 30. Hilarimorphidae. In: Merz B., Bächli G., Haenni J.-P. & Gonseth Y. (eds). Diptera - Checklist. Fauna Helvetica 1: 152. CSCF / SEG, Neuchâtel, 369 pp.
- Majer J. 1988. Family Hilarimorphidae. In: Soós Á. & Papp L. (ed). Catalogue of Palaearctic Diptera. Vol. 5: 30-32. Akadémiai Kiadó, Budapest.
- Merz B., Bächli G. & Haenni J.-P. 2006. Zweiter Nachtrag zur Checkliste der Diptera der Schweiz. Mitteilungen der Entomologischen Gesellschaft Basel 56(4): 135-165.
- Nagatomi A. 1998. Family Hilarimorphidae. In Papp L. & Darvas B. (eds). Contributions to a Manual of Palaearctic Diptera (with special reference to flies of economic importance). Vol. 2, Nematocera and Lower Brachycera: 513-517. Science Herald, Budapest, 592 pp.
- Webb D.W. 1974. A revision of the genus *Hilarimorpha* (Diptera: Hilarimorphidae). Journal of the Kansas Entomological Society 47: 172-222.