

Stratiomyidae

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

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Diagnosis: Small to very large (2-20 mm) brachycerous flies, of very diverse habitus, slender, stout or elongate and flattened; colouration often striking, dark brightly marked with conspicuous yellow, white or green pattern, or with metallic reflection. Eyes generally holoptic in males, dichoptic in females. Antennae with annulated flagellum sometimes forming an apical or subapical style. Scutellum in numerous species bearing spines at posterior margin. Wing venation characteristic, small discal cell with 3-4 veins arising from it; R veins joining costa well before the wing tip. Legs simple, devoid of setae. Abdomen short and stout to long and flattened.

Biology: Adults are nectar feeders and are frequently found on vegetation, especially umbels, more frequently alongside water margin. Larvae strongly sclerotised, saprophagous, living in very diverse habitats, terrestrial or aquatic.

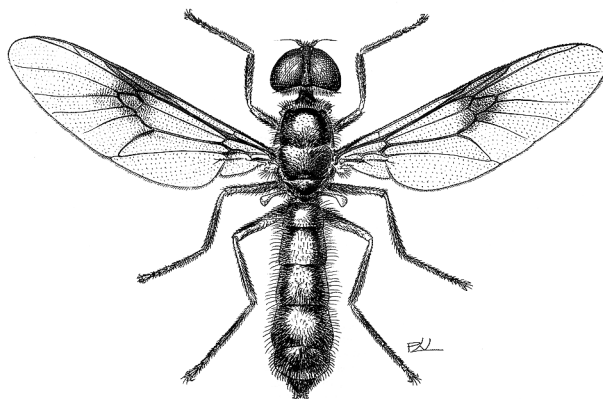
Nomenclature and classification: According to Fauna Europaea (Rozkošný 2013) with some complements.

Number of species: CH: 70 (1998 Checklist: 63),
BE: 48, CZ: 66, DE: 45, FR: 90, GB: 48, IT: 91, NL: 48, SK: 66, Europe: 144, World: ~2800.

Level of faunistic knowledge in Switzerland: Good; some additional species present in neighbouring countries may possibly also occur in Switzerland.

General references: Reemer (2014) [key, Dutch species], Rozkošný (1982, 1983) [morphology, biology, distribution, keys, adults and larvae of European species], Rozkošný (1997) [general, key, Palaearctic genera], Rozkošný (2000) [aquatic species, central Europe], Rozkošný et al. (2013) [Fauna Europaea], Woodley (2001, 2011) [catalogue world species], Zeegers & Schulten (2022) [keys, North-West European species].

References to the Swiss fauna: Blöchliger (1990), Haenni (1993, 1996a, 1996b, 2019), Haenni & Merz (1998), Keiser (1947), Kiener (1995), Meier & Sauter (1989), Merz (2012), Pétremand & Haenni (2023), Pétremand et al. (2020, 2021), Pétremand & Ston (2024), Ringdahl (1957), Rozkošný (1982, 1983), Sauter (1989), Schoch (1890), Tóth (1996a, 1996b, 1996c).



Sargus cuprarius,
male (CMPD2, p.389).

Checklist

Beridinae

Actina Meigen, 1804

- *chalybea* Meigen, 1804 !

Allognosta Osten Sacken, 1883

- *vagans* (Loew, 1873) L

Beris Latreille, 1802

- *chalybata* (Forster, 1771) !
- *clavipes* (Linnaeus, 1767) !
- *fuscipes* Meigen, 1820 !
- *geniculata* Curtis, 1830 !
- *morrisii* Dale, 1841 !
- *nigra* Meigen, 1820 ! N1
- = *hauseri* Stuke, 2004
- *strobli* Dušek & Rozkošný, 1968 !
- *vallata* (Forster, 1771) !

Chorisops Rondani, 1856

- *nagatomii* Rozkošný, 1979 !
- *tibialis* (Meigen, 1820) !

Exodontha Rondani, 1856

- *dubia* (Zetterstedt, 1838) !

Clitellariinae

Clitellaria Meigen, 1803

- *ephippium* (Fabricius, 1775) !

Lasiopa Brulle, 1832

- *calva* (Meigen, 1822) !
- *tsacasi* Dušek & Rozkošný, 1970 !

Nemotelus Geoffroy, 1762

- *nigrinus* Fallén, 1817 !
- *pantherinus* (Linnaeus, 1758) !
- *uliginosus* (Linnaeus, 1767) L

Oxycera Meigen, 1803

- *analís* Meigen, 1822 !
- *dives* Loew, 1845 ? N2
- *fallenii* Staeger, 1844 !
- *germanica* (Szilády, 1932) !
- *leonina* (Panzer, 1798) !
- *locuples* Loew, 1857 !
- *meigenii* Staeger, 1844 !
- *morrisii* Curtis, 1833 !
- *nigricornis* Olivier, 1812 !
- *pardalina* Meigen, 1822 !
- *pseudoamoena* Dušek & Rozkošný, 1974 !
- *pygmaea* (Fallén, 1817) !
- *rara* (Scopoli, 1763) !
- *terminata* Meigen, 1822 !
- *trilineata* (Linnaeus, 1767) !

Vanoyia Villeneuve, 1908

- *tenuicornis* (Macquart, 1834) L N3

Hermetiinae

Hermetia Latreille, 1804

- *illucens* (Linnaeus, 1758) !

Pachygasterinae

Eupachygaster Kertész, 1911

- *tarsalis* (Zetterstedt, 1842) !

Neopachygaster Austen, 1901

- *meromelas* (Dufour, 1841) !
- = *meromelaena* (Dufour, 1841)

Pachygaster Meigen, 1803

- *atra* (Panzer, 1798) !
- *leachii* Curtis, 1824 !

Zabrachia Coquillett, 1901

- *minutissima* (Zetterstedt, 1838) !
- *tenella* (Jaenicke, 1866) !

Sarginae

Chloromyia Duncan, 1837

- *formosa* (Scopoli, 1763) !
- *speciosa* (Macquart, 1834) !

Microchrysa Loew, 1855

- *cyaneiventris* (Zetterstedt, 1842) !
- *flavicornis* (Meigen, 1822) !
- *polita* (Linnaeus, 1758) !

Sargus Fabricius, 1798

- *bipunctatus* (Scopoli, 1763) !
- *cuprarius* (Linnaeus, 1758) !
- *flavipes* Meigen, 1822 !
- *harderseni* Mason & Rozkošný, 2008 ! N4
- *iridatus* (Scopoli, 1763) !
- *rufipes* Wahlberg, 1854 !

Stratiomyinae*Odontomyia* Meigen, 1803

- *angulata* (Panzer, 1798) !
- *annulata* (Meigen, 1822) L N5
- *argentata* (Fabricius, 1794) !
- *flavissima* (Rossi, 1790) ? N6
- *hydroleon* (Linnaeus, 1758) !
- *microleon* (Linnaeus, 1758) !
- *ornata* (Meigen, 1822) !
- *tigrina* (Fabricius, 1775) !

Oplodontha Rondani, 1863

- *viridula* (Fabricius, 1775) !

Stratiomys Geoffroy, 1762

- *cenisia* Meigen, 1822 ? N6
- *chamaeleon* (Linnaeus, 1758) !
- *concinna* Meigen, 1822 !
- *equestris* Meigen, 1835 !
- *longicornis* (Scopoli, 1763) !
- *potamida* Meigen, 1822 !
- *ruficornis* (Macquart, 1838) !
- *singularior* (Harris, 1776) !

Notes

- N1 *Beris nigra* Meigen, 1820 was recorded from Switzerland under the synonym name *B. hauseri* Stuke, 2004 by Haenni (2019) (synonymy established by Zeegers 2021).
- N2 *Ocycera dives* was mentioned from Switzerland in Rozkošný (1983) on the base on old citations. No specimens have been seen in collections but the presence of this species in Switzerland is very likely.
- N3 *Vanoyia tenuicornis*: first report from Switzerland by Pétremand & Ston (2024).
- N4 *Sargus harderseni*: first report from Switzerland by Pétremand & Haenni (2023).
- N5 *Odontomyia annulata*: first report from Switzerland by Pétremand et al. (2020).
- N6 *Odontomyia flavissima* (Rossi, 1790) and *Stratiomys cenisia* Meigen, 1822 are mentioned from Switzerland in Rozkošný (1982) only on the base of old citations (Schoch 1890). No specimens have been seen in collections but their presence in Switzerland is nevertheless possible.

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