Checklist of the family Syrphidae (Diptera) of Finland

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Abstract
A checklist of the Syrphidae (Diptera) recorded from Finland. Three species of Syrphidae, *Platycheirus modestus* Ide, 1926, *Cheilosia barovskii* (Stackelberg, 1930) and *Mallota tricolor* Loew, 1871, are published as new to the Finnish fauna. *P. modestus* is also new to the Palaearctic.

Keywords
Checklist, Finland, Diptera, Syrphidae, faunistics

Introduction

Adults of Syrphidae (hoverflies or flower flies) are mimics of bees, bumblebees, wasps and sawflies. Syrphid flies are active visitors of flowers for nectar and pollen and therefore they are important pollinators. The syrphid adults are excellent fliers and often seen hovering.

The larvae of hoverflies exploit a wide range of food sources. The majority of the species are predators and a large number of them feed on aphids. Almost half of the syrphid species are phytophagous or saprophagous. The larvae of phytophagous species tunnel in roots and stems of plants and some mine in leaves, but this rarely causes
significant economic damage. Aquatic larvae are saprophagous in decaying organic material and feed on detritus or filter bacteria. Also larvae living in dead wood and in sap runs probably filter bacteria from the decaying mass. (Marshall 2012, Van Veen 2004).

Only a few active Diptera researchers, Richard Frey, Wolter Hellén and Erkki Kanervo, studied the fauna of Finnish syrphids from the 1910s to the 1960s. They created a very good base for the knowledge of the Finnish syrphid fauna. Hackman (1980) published a list of the Finnish flies including 270 species of hoverflies. The beginning of the 2000s was an active period for faunistic research of the hoverfly fauna and the number of recorded hoverfly species had increased to 347 as the book on Finnish hoverflies (Haarto and Kerppola 2007a) was published. After that the knowledge has still been increasing thanks to working on the taxonomy and faunistics of the Finnish hoverfly fauna so that the distribution can be considered as well-known for over 90 per cent of the Finnish hoverfly species (Kahanpää 2010).

The Finnish hoverfly species were last listed by Kerppola (2013) with additions and omissions of species and with some nomenclature changes.

Identification: The Finnish syrphid fauna is best covered for identification by Haarto and Kerppola (2007a) and Bartsch (2009) although some species are missing in these books. Most of the species can be identified by external characters but some species require male genitalic characters for reliable determination.

**Number of species:**
World: 6015 species (Pape et al. 2011)
Europe: 830 species
Finland: 362 species
Faunistic knowledge level in Finland: good

**Checklist**

suborder Brachycera Macquart, 1834
clade Eremoneura Lameere, 1906
clade Aschiza Becher, 1882
superfamily Syrphoidea Latreille, 1802

**Syrphidae** Latreille, 1802
SYRPHINAE Latreille, 1802
tribe Bacchini Bigot, 1883
**Baccha** Fabricius, 1805
*Baccha elongata* (Fabricius, 1775)  
= *obscuripennis* Meigen, 1822
tribe Melanostomini Willistion, 1885
**Melanostoma** Schiner, 1860
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Melanostoma dubium (Zetterstedt, 1837)
  = freyi (Hellén, 1950)
Melanostoma mellinum (Linnaeus, 1758)
Melanostoma scalare (Fabricius, 1794)

**PLATYCHEIRUS** Le Peletier & Serville, 1828

**sg. PLATYCHEIRUS** Le Peletier & Serville, 1828

Platycheirus aeratus Coquillet, 1900
  = angustitarsis Kanervo, 1934
Platycheirus albimanus (Fabricius, 1781)
Platycheirus ambiguus (Fallén, 1817)
Platycheirus amplus Curran, 1927
Platycheirus angustatus (Zetterstedt, 1843)
Platycheirus auror lateralis (Stubbs, 2002)
Platycheirus brunnifrons Nielsen, 2004
Platycheirus carinatus (Curran, 1927)
  ? = hirtipes Kanervo, 1938
Platycheirus clypeatus (Meigen, 1822)
Platycheirus discimanus Loew, 1871
Platycheirus europaeus Goeldlin, Maibach & Speight, 1990
Platycheirus fulviventris (Macquart, 1829)
Platycheirus goeldlini Nielsen, 2004
Platycheirus groenlandicus Curran, 1927
  = boreomontanus Nielsen, 1981
  = monticolus Nielsen, 1972 preocc.
Platycheirus holarcticus Vockeroth, 1990
Platycheirus hyperboreus (Staeger, 1844)
Platycheirus immarginatus (Zetterstedt, 1849)
Platycheirus jaerensis Nielsen, 1971
Platycheirus kettalaensis Dušek & Láška, 1982
  = complicatus misid.
Platycheirus laskai Nielsen, 1999
Platycheirus latimanus (Wahlberg, 1844)
Platycheirus lundbecki (Collin, 1931)
Platycheirus magadanensis Mutin, 1999
Platycheirus manicatus (Meigen, 1822)
Platycheirus modestus Ide, 1926
Platycheirus nielseni Vockeroth, 1990
Platycheirus nigrofemoratus Kanervo, 1934
Platycheirus occultus Goeldlin, Maibach & Speight, 1990
Platycheirus parvus Rondani, 1857
Platycheirus peltatus (Meigen, 1822)
Platycheirus perpallidus Verral, 1901
Platycheirus podagratus (Zetterstedt, 1838)
**Platycheirus ramsarensis** Goeldlin, Maibach & Speight, 1990
**Platycheirus scambus** (Staeger, 1843)
**Platycheirus scutatus** (Meigen, 1822)
**Platycheirus splendidus** Rotheray, 1998
**Platycheirus sticticus** (Meigen, 1822)
**Platycheirus subordinatus** Becker, 1915
**Platycheirus tarsalis** (Schummel, 1836)
**Platycheirus transfugus** (Zetterstedt, 1838)
**Platycheirus urakawensis** (Matsumura, 1919)
**Platycheirus varipes** Curran, 1923

sg. **Pyrophaena** Schiner, 1860
**Platycheirus granditarsus** (Forster, 1771)
**Platycheirus rosarum** (Fabricius, 1787)

**XANTHANDRUS** Verrall, 1901
**Xanthandrus comtus** (Harris, 1780)
tribe Paragini Glumac, 1961

**PARAGUS** Latreille, 1804
**Paragus constrictus** Šimić, 1986
**Paragus finitimus** Goeldlin, 1971
**Paragus haemorrhous** Meigen, 1822
  = **sigillatus** Curtis, 1836
**Paragus pecchiolii** Rondani, 1857
  = **majoranae** auct. nec Rondani, 1857
  = **albifrons** misid.
**Paragus tibialis** (Fallén, 1817)
tribe Chrysotoxini Newman, 1834

**CHRYSOTOXUM** Meigen, 1803
**Chrysotoxum arcuatum** (Linnaeus, 1758)
  = **fasciatum** (Müller, 1764)
**Chrysotoxum bicinctum** (Linnaeus, 1758)
**Chrysotoxum cautum** (Harris, 1776)
**Chrysotoxum fasciolatum** (De Geer, 1776)
**Chrysotoxum festivum** (Linnaeus, 1758)
  = **arcuatum** auct. nec (Linnaeus, 1758)
**Chrysotoxum octomaculatum** Curtis, 1937
  = **elegans** misid.
**Chrysotoxum vernale** Loew, 1841
tribe Syrphini Latreille, 1802

**DASYSYRPHUS** Enderlein, 1838
**Dasysyrphus albostriatus** (Fallén, 1817)
**Dasysyrphus friuliensis** (van der Goot, 1960)
  = **claviger** (Frey, 1930)
  = **carpathicus** Stys & Moucha, 1962
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Dasysyrphus hilaris (Zetterstedt, 1843)
Dasysyrphus nigricornis (Verrall, 1873)
    = obscuratus (Ringdahl, 1928)
Dasysyrphus pauxillus (Williston, 1887)
Dasysyrphus pinastri (De Geer, 1776)
    = lunulatus (Meigen, 1822)
Dasysyrphus postclaviger Stys & Moucha, 1962
    = claviger (Frey, 1930) preocc.
Dasysyrphus tricinctus (Fallén, 1817)
Dasysyrphus venustus (Meigen, 1822)
    = arcuatus (Fallén, 1817)

Didea Macquart, 1834
Didea alneti (Fallén, 1817)
Didea fasciata Macquart, 1834
Didea intermedia Loew, 1854

Doros Meigen, 1803
Doros profuges (Harris, 1780)
    = conopetus auct. nec (Linnaeus, 1758)

Epistrophe Walker, 1852
Epistrophe annulitarsis Stackelberg, 1918
Epistrophe cryptica Doczkal & Schmid, 1994
Epistrophe diaphana (Zetterstedt, 1843)
Epistrophe eligans (Harris, 1780)
    = bifasciata (Fabricius, 1794) preocc.
Epistrophe flava Doczkal & Schmid, 1994
    = melanostomoides misid.
Epistrophe grossulariae (Meigen, 1822)
Epistrophe melanostoma (Zetterstedt, 1843)
    = melanostomoides Strobl, 1910
Epistrophe nitidicolis (Meigen, 1822)
Epistrophe obscuripes (Strobl, 1910)
    = similis Doczkal & Schmid, 1994
Epistrophe ochrostoma (Zetterstedt, 1849)
Epistrophe olgae Mutin, 1990

Epistrophella Dušek & Láska, 1967
Epistrophella euchroma (Kowarz, 1885)

Episyrophus Matsumura & Adachi, 1917
Episyrophus balteatus (De Geer, 1776)

Eriozona Schiner, 1860
Eriozona syrpoides (Fallén, 1817)

Eupeodes Osten Sacken, 1877
    = Metasyrophus Matsumura, 1917
Eupeodes abiskoensis (Dušek & Láska, 1973)
Eupeodes biciki (Nielsen, 2003)
Eupeodes bucculatus (Rondani, 1857)
  = latilunulatus (Collin, 1931)
Eupeodes corollae (Fabricius, 1794)
Eupeodes curtus (Hine, 1922)
Eupeodes duseki Mazánek, Láska & Bicik, 1999
Eupeodes goeldlini Mazánek, Láska & Bicik, 1999
Eupeodes latifasciatus (Macquart, 1829)
Eupeodes lunbecki (Soot-Ryen, 1946)
Eupeodes luniger (Meigen, 1822)
Eupeodes nielseni (Dušek & Láška, 1976)
Eupeodes nitens (Zetterstedt, 1843)
Eupeodes punctifer (Frey, 1934)
  = borealis misid.
Eupeodes tirolensis (Dušek & Láška, 1973)

FAGISYRPHUS Dušek & Láška, 1967
Fagisyrphus cinctus (Fallén, 1817)

LAPPOSYRPHUS Dušek & Láška, 1967
Lapposyrphus lapponicus (Zetterstedt, 1838)

LEUCOZONA Schiner, 1860
g. Leucozona Schiner, 1860
Leucozona inopinata Doczkal, 2000
Leucozona lucorum (Linnaeus, 1758)
g. Ischyrosyrphus Bigot, 1882
Leucozona glauca (Linnaeus, 1758)
Leucozona laternaria (Müller, 1776)

MEGASYRPHUS Dušek & Láška, 1967
Megasyrphus erraticus (Linnaeus, 1758)
  = annulipes (Zetterstedt, 1838)

MELANGYNA Verrall, 1901
Melangyna arctica (Zetterstedt, 1838)
Melangyna barbifrons (Fallén, 1817)
Melangyna coei Nielsen, 1971
Melangyna compositarum (Verrall, 1873)
Melangyna lasiophthalma (Zetterstedt, 1843)
Melangyna lucifera Nielsen, 1980
Melangyna quadrimaculata (Verrall, 1873)
Melangyna umbellatarum (Fabricius, 1794)

MELIGRAMMA Frey, 1946
Meligramma guttata (Fallén, 1817)
Meligramma triangulifera (Zetterstedt, 1843)

MELISCAEVA Frey, 1946
Meliscaeva auricollis (Meigen, 1822)
Meliscaeva cinctella (Zetterstedt, 1843)

**PARASYRPHUS** Matsumura, 1917

Parasyrphus annulatus (Zetterstedt, 1838)
Parasyrphus groenlandicus (Nielsen, 1910)
Parasyrphus lineolus (Zetterstedt, 1843)
Parasyrphus macularis (Zetterstedt, 1843)
Parasyrphus malinellus (Collin, 1952)
Parasyrphus nigrítarsis (Zetterstedt, 1843)
Parasyrphus proximus Mutin, 1990
Parasyrphus punctulatus (Verrall, 1873)
Parasyrphus tarsatus (Zetterstedt, 1838)
  = *dryadis* (Holmgren, 1869)
Parasyrphus vittiger (Zetterstedt, 1843)

**SCAEVA** Fabricius, 1805

Scaeva pyrastrī (Linnaeus, 1758)
Scaeva selenitica (Meigen, 1822)

**SPHAEROPHORIA** Lepeletier & Serville, 1828

Sphaerophoria abbreviata Zetterstedt, 1859
Sphaerophoria bankowskae Goeldlin, 1989
Sphaerophoria batava Goeldlin, 1974
Sphaerophoria borealpina Goeldlin, 1989
Sphaerophoria chongjini Bankowska, 1964
Sphaerophoria fatarum Goeldlin, 1989
Sphaerophoria interrupta (Fabricius, 1805)
  = *menthastri* (Linnaeus, 1758)
Sphaerophoria kaa Violovitsh, 1960
Sphaerophoria laurae Goeldlin, 1989
Sphaerophoria loewi Zetterstedt, 1843
Sphaerophoria pallidula Mutin, 1999
Sphaerophoria philantha (Meigen, 1822)
  = *sarmatica* Bankowska, 1964
Sphaerophoria rueppelli (Wiedemann, 1830)
Sphaerophoria scripta (Linnaeus, 1758)
Sphaerophoria taeniata (Meigen, 1822)
Sphaerophoria virgata Goeldlin, 1974

**SYRPHUS** Fabricius, 1775

Syrphus admirandus Goeldlin, 1996
Syrphus attenuatus Hine, 1922
  = *pilisquamus* Ringdahl, 1928
Syrphus ribesii (Linnaeus, 1758)
  = *brevicinctus* Kanervo, 1938
Syrphus sexmaculatus Zetterstedt, 1838
Syrphus torvus Osten Sacken, 1875
Syrphus vitripennis Meigen, 1822
  = rectus bretoletensis Goeldlin, 1996

**XANTHOGRAMMA** Schiner, 1860
Xanthogramma citrofasciatum (De Geer, 1776)
  = festivum auct. nec (Linnaeus, 1758)
Xanthogramma pedissequum (Harris, 1776)
Xanthogramma stackelbergi Violovitsh, 1975

MILESIINAE Rondani, 1845
tribe Ceroidinini Wahlgren, 1909

**CERIANA** Rafinesque, 1815
Ceriana conopsoides (Linnaeus, 1758)

**SPHIXIMORPHA** Rondani, 1850
Sphiximorpha subsessilis (Illiger in Rossi, 1807)
tribe Cheilosini Williston, 1885

**CHEILOSIA** Meigen, 1822
Cheilosia alba Vujić & Claussen, 2000
Cheilosia albipila Meigen, 1838
Cheilosia albitarsis (Meigen, 1822)
Cheilosia alpina (Zetterstedt, 1838)
Cheilosia angustigenis Becker, 1894
Cheilosia barbata Loew, 1857
  = honesta Rondani, 1868
Cheilosia barovskii (Stackelberg, 1930)
Cheilosia carbonaria Egger, 1860
Cheilosia chrysocoma (Meigen, 1822)
Cheilosia cynocephala Loew, 1840
Cheilosia flavipes (Panzer, 1798)
Cheilosia flavissima Becker, 1894
  = pallipes auct. nec Loew, 1863
Cheilosia fraterna (Meigen, 1830)
Cheilosia frontalis Loew, 1857
Cheilosia gigantea (Zetterstedt, 1838)
  = gracilis Hellén, 1914
Cheilosia grossa (Fallén, 1817)
Cheilosia illustrata (Harris, 1780)
Cheilosia impressa Loew, 1840
Cheilosia ingerae Nielsen & Claussen, 2001
Cheilosia lasiopa Kowarz, 1885
  = honesta auct. nec Rondani, 1868
Cheilosia latifrons (Zetterstedt, 1843)
  = intonsa Loew, 1857
Cheilosia longula (Zetterstedt, 1838)
  = plumulifera Loew, 1857
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= soror misid.

Cheilosia melanopa (Zetterstedt, 1843)
Cheilosia morio (Zetterstedt, 1838)
Cheilosia mutabilis (Fallén, 1817)
  = ruralis (Meigen, 1822)
Cheilosia naruska Haarto & Kerppola, 2007
Cheilosia nebulosa Verrall, 1871
  = langhofferi Becker, 1894
Cheilosia nigripes (Meigen, 1822)
Cheilosia pagana (Meigen, 1822)
Cheilosia proxima (Zetterstedt, 1843)
Cheilosia psilophthalma Becker, 1894
Cheilosia pubera (Zetterstedt, 1838)
Cheilosia reniformis Hellén, 1930
Cheilosia rufimana Becker, 1894
Cheilosia sahlbergi Becker, 1894
Cheilosia scutellata (Fallén, 1817)
Cheilosia semifasciata Becker, 1894
Cheilosia sootryeni Nielsen, 1970
Cheilosia urbana (Meigen, 1822)
  = ruralis (Meigen, 1822)
  = praecox (Zetterstedt, 1843)
  = globulipes Becker, 1894
Cheilosia uviformis Becker, 1894
  = argentifrons Hellén, 1914
Cheilosia variabilis (Panzer, 1798)
Cheilosia velutina Loew, 1840
Cheilosia vernalis (Fallén, 1817)
  = rotundicornis Hellén, 1914
  = rotundiventris Becker, 1894
  = ruficollis Becker, 1894
Cheilosia vicina (Zetterstedr, 1849)
  = nasutula Becker, 1894
Cheilosia vulpina (Meigen, 1822)
Cheilosia sp. A in Haarto & Kerppola, 2007

Ferdinandea Rondani, 1844
Ferdinandea cuprea (Scopoli, 1763)

Rhingia Scopoli, 1763
Rhingia borealis Ringdahl, 1928
  = austriaca auct. nec Meigen, 1830
Rhingia campestris Meigen, 1822
tribe Chrysogasterini Shannon, 1922

Brachyopa Meigen, 1822
Brachyopa cinerea Wahlberg, 1844
Brachyopa dorsata Zetterstedt, 1837
Brachyopa obscura Thompson & Torp, 1982
Brachyopa pilosa Collin, 1939
    = bicolor misid.
Brachyopa testacea (Fallén, 1817)
    = conica misid.
Brachyopa vittata Zetterstedt, 1843
Brachyopa zhelochovtsevi Mutin, 1998

**CHRYSOGASTER** Meigen, 1803
Chrysogaster coemiteriorum (Linnaeus, 1758)
    = cemiteriorum emend.
    = chalybeata Meigen, 1822
Chrysogaster solstitialis (Fallén, 1817)
Chrysogaster virescens Loew, 1854

**CHRYSOSYRPHUS** Sedman, 1965
    = Helleniola Stackelberg, 1965
Chrysosyrphus nasutus (Zetterstedt, 1838)
Chrysosyrphus niger (Zetterstedt, 1843)
    = Myolepta nigra mistake

**HAMMERSCHMIDTIA** Schummel, 1834
Hammerschmidtia ferruginea (Fallén, 1817)
Hammerschmidtia ingraca Stackelberg, 1952

**LEJOGASTER** Rondani, 1857
Lejogaster metallina (Fabricius, 1781)
Lejogaster tarsata (Meigen, 1822)
    = splendida (Meigen, 1822)

**MELANOGASTER** Rondani, 1857
Melanogaster aerosa (Loew, 1843)
    = macquarti (Loew, 1843)
    = viduata misid.
Melanogaster parumplicata (Loew, 1840)

**NEOASCIA** Williston, 1886

sg. **Neoascia** Williston, 1886
Neoascia podagrica (Fabricius, 1775)
Neoascia tenur (Harris, 1780)
    = dispar (Meigen, 1822)
    = lapponica Kanervo, 1934
    = splendida Kanervo, 1934

sg. **Neoasciella** Stackelberg, 1970
Neoascia geniculata (Meigen, 1822)
Neoascia interrupta (Meigen, 1822)
Neoascia meticulosa (Scopoli, 1763)
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= aenea (Meigen, 1822)

Neoascia obliqua Coe, 1940

Neoascia subchalybea Curran, 1925

= petsamoensis Kanervo, 1934

ORTHONEVRA Macquart, 1829

Orthonevra elegans (Meigen, 1822)

Orthonevra erythrogona (Malm, 1863)

Orthonevra geniculata (Meigen, 1830)

= linnaniemii Kanervo, 1934

Orthonevra intermedia Lundbeck, 1916

= rossica Stackelberg, 1953

Orthonevra nobilis (Fallén, 1817)

Orthonevra plumbago (Loew, 1840)

= brevicornis misid.

Orthonevra stackelbergi Thompson & Torp, 1982

= intermedia misid.

SPHEGINA Meigen, 1822

sg. Sphegina Meigen, 1822

Sphegina clunipes (Fallén, 1816)

Sphegina elegans Schummel, 1843

= kimakowiczi misid.

Sphegina montana Becker, 1921

= violovitsbi misid.

= verecunda misid.

Sphegina spheginea (Zetterstedt, 1838)

sg. Asiosphegina Stackelberg, 1975

Sphegina sibirica Stackelberg, 1953

tribe Eristalini Newman, 1834

ANASIMYIA Schiner, 1864

= Eurimyia Bigot, 1883

Anasimyia contracta Claussen & Torp, 1980

Anasimyia interpuncta (Harris, 1776)

Anasimyia lineata (Fabricius, 1787)

Anasimyia lunulata (Meigen, 1822)

Anasimyia transfuga (Linnaeus, 1758)

ERISTALINUS Rondani, 1845

Eristalina aeneus (Scopoli, 1763)

Eristalina sepulcralis (Linnaeus, 1758)

ERISTALIS Latreille, 1804

Eristalis abusiva Collin, 1931

Eristalis alpina (Panzer, 1798)

Eristalis anthophorina (Fallén, 1817)

Eristalis arbustorum (Linnaeus, 1758)
= nemorum auct. nec (Linnaeus, 1758)

*Eristalis cryptarum* (Fabricius, 1794)

*Eristalis fratercula* Zetterstedt, 1838
  = vallei Kanervo, 1934

*Eristalis gomojunovae* Violovitsh, 1977
  = fratercula auct. nec Zetterstedt, 1838

*Eristalis hirta* Loew, 1866
  = *E. tundrarum* Frey, 1932

*Eristalis horticola* (De Geer, 1776)
  = lineata (Harris, 1776)

*Eristalis intricaria* (Linnaeus, 1758)

*Eristalis nemorum* (Linnaeus, 1758)
  = interrupta (Poda, 1761)

*Eristalis obscura* Loew, 1866
  = pseudorupium Kanervo, 1938
  = vitripennis Strobl, 1893

*Eristalis oestracea* (Linnaeus, 1758)

*Eristalis pertinax* (Scopoli, 1763)

*Eristalis picea* (Fallén, 1817)

*Eristalis rupium* (Fabricius, 1805)

*Eristalis similis* (Fallén, 1817)
  = pratorum (Meigen, 1822)

*Eristalis tenax* (Linnaeus, 1758)

**HELOPHILUS** Meigen, 1822

*Helophilus affinis* Wahlberg, 1844

*Helophilus bottnicus* Wahlberg, 1844

*Helophilus groenlandicus* (Fabricius, 1780)

*Helophilus hybridus* Loew, 1846

*Helophilus lapponicus* Wahlberg, 1844
  = borealis Staeger, 1845

*Helophilus pendulus* (Linnaeus, 1758)

*Helophilus trivittatus* (Fabricius, 1805)
  = parallelus (Harris, 1776)

**MALLOTA** Meigen, 1822

*Mallota megilliformis* (Fallén, 1817)

*Mallota tricolor* Loew, 1871

**MYATHROPA** Rondani, 1845

*Myathropa florea* (Linnaeus, 1758)

**PARHELOPHILUS** Girschner, 1897

*Parhelophilus consimilis* (Malm, 1863)

*Parhelophilus frutextorum* (Fabricius, 1775)

*Parhelophilus versicolor* (Fabricius, 1794)

tribe Eumerini Smirnov, 1924
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**EUMERUS** Meigen, 1822
Eumerus flavitarsis Zetterstedt, 1843
Eumerus funeralis Meigen, 1822
  = tuberculatus Rondani, 1857
Eumerus grandis Meigen, 1822
  = annulatus (Panzer, 1798)
Eumerus ruficornis Meigen, 1822
Eumerus sabulonum (Fallén, 1817)
Eumerus strigatus (Fallén, 1817)
tribe Merodontini Edwards, 1915

**MERODON** Meigen, 1803
Merodon equestris (Fabricius, 1794)
tribe Pelecocerini Williston, 1887

**PELECOCERA** Meigen, 1822
  = Chamaesyrophus Mik, 1895
Pelecocera caledonica (Collin, 1940)
Pelecocera lusitanica (Mik, 1898)
Pelecocera scaevoides (Fallén, 1817)
Pelecocera tricincta Meigen, 1822
tribe Pipizini Williston, 1885

**CRYPTOPIPIZA** Mutin, 1998
Cryptopipiza notabila (Violovitsh, 1985)

**HERINGIA** Rondani, 1856
Heringia heringi (Zetterstedt, 1843)

**NEOCNEMODON** Goffe, 1944
  = Cnemodon Egger, 1865 preocc.
Neocnemodon fulvimanus (Zetterstedt, 1843)
Neocnemodon larusi (Vujic, 1999)
  = fulvimanus auct. nec (Zetterstedt, 1843)
Neocnemodon latitarsis (Egger, 1865)
Neocnemodon pubescens (Delucchi & Pschorn-Walcher, 1955)
Neocnemodon verrucula (Collin, 1931)
Neocnemodon vitripennis (Meigen, 1822)

**PIPIZA** Fallén, 1810
Pipiza accola Violovitsh, 1985
Pipiza austriaca Meigen, 1822
Pipiza fasciata Meigen, 1822
Pipiza festiva Meigen, 1822
Pipiza lugubris (Fabricius, 1775)
Pipiza luteitarsis Zetterstedt, 1843
Pipiza noctiluca (Linnaeus, 1758)
Pipiza notata Meigen, 1822
  = bimaculata Meigen, 1822
Pipiza quadriraculata (Panzer, 1804)

**PIPIZELLA** Rondani, 1856

*Pipizella certa* Violovitsh, 1981
  = *brevis* auct. nec Lucas, 1976

*Pipizella obscura* Van Steenis & Lucas, 2011

*Pipizella viduata* (Linnaeus, 1758)
  = *virens* misid.

**TRICHOPSOMYIA** Williston, 1888

*Trichopsomyia flavitarsis* (Meigen, 1822)

*Trichopsomyia joratensis* Goeldlin, 1997

**TRIGLYPHUS** Loew, 1840

*Triglyphus primus* Loew, 1840

tribe Sericomyiini Rondani, 1845

**SERICOMYIA** Meigen, 1803

*Sericomyia arctica* Schirmer, 1913

*Sericomyia jakutica* (Stackelberg, 1927)

*Sericomyia lappona* (Linnaeus, 1758)

*Sericomyia nigra* Portschinsky, 1872

*Sericomyia silentis* (Harris, 1776)

tribe Volucellini Newman, 1834

**VOLUCELLA** Geoffroy, 1762

*Volucella bombylans* (Linnaeus, 1758)

*Volucella inanis* (Linnaeus, 1758)

*Volucella pellucens* (Linnaeus, 1758)

tribe Xylotini Bigot, 1883

**BLERA** Billberg, 1820

*Blera eoa* (Stackelberg 1928)

*Blera fallax* (Linnaeus, 1758)

**BRACHYPALPOIDES** Hippa, 1978

*Brachypalpoides lentus* (Meigen, 1822)

**BRACHYPALPUS** Macquart, 1834

*Brachypalpus laphriformis* (Fallén, 1816)

**CHALCOSYRPHUS** Curran, 1925

*Chalcosyrphus jacobsoni* (Stackelberg, 1921)

*Chalcosyrphus nemorum* (Fabricius, 1805)

*Chalcosyrphus nigripes* (Zetterstedt, 1838)

*Chalcosyrphus piger* (Fabricius, 1794)

*Chalcosyrphus rufipes* (Loew, 1873)

*Chalcosyrphus valgus* (Gmelin, 1790)
  = *femoratus* auct. nec Linnaeus, 1758

**CRIORHINA** Meigen, 1822

*Criorhina asilica* (Fallén, 1816)

**LEJOTA** Rondani, 1857
Lejota ruficornis (Zetterstedt, 1843)

**SPHECOMYIA** Latreille, 1829
Sphecomyia vesiformis Gorski, 1852

**SPILOMYIA** Meigen, 1803
Spilomyia diophthalma (Linnaeus, 1758)

**SYRITTA** Lepeletier & Serville, 1828
Syritta pipiens (Linnaeus, 1758)

**TEMNOSTOMA** Lepeletier & Serville, 1828
Temnostoma angustistriatum Krivosheina, 2002
  = bombylans auct. nec (Fabricius, 1805)
Temnostoma apiforme (Fabricius, 1794)
Temnostoma cares Gaunitz, 1936
Temnostoma sericomyiaeforme (Portschinsky, 1886)
Temnostoma vesiforme (Linnaeus, 1758)

**TROPIDIA** Meigen, 1822
Tropidia fasciata Meigen, 1822
Tropidia scita (Harris, 1780)

**XYLOTA** Meigen, 1822
Xylota caeruleiventris Zetterstedt, 1838
Xylota florum (Fabricius, 1805)
Xylota ignava (Panzer, 1798)
Xylota jakutorum Bagatshanova, 1980
  = caeruleiventris auct. nec Zetterstedt, 1838
Xylota meigeniana Stackelberg, 1964
Xylota segnis (Linnaeus, 1758)
Xylota suecica (Ringdahl, 1943)
Xylota sylvarum (Linnaeus, 1758)
Xylota tarda Meigen, 1822
Xylota triangularis Zetterstedt, 1838
Xylota xanthocnema Collin, 1939
MICRODONTINAE Rondani, 1845
tribe Microdontini Rondani, 1845

**MICRODON** Meigen, 1803
Microdon analis (Macquart, 1842)
  = eggeri Mik, 1897
Microdon miki Doczkal & Schmid, 1999
  = latifrons auct. nec (Loew, 1856)
Microdon mutabilis (Linnaeus, 1758)

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**Excluded species**

*Microdon devius* (Linnaeus, 1761) was not found within present borders.
Neoascia annexa (Müller, 1776) was included in the Finnish species list in Fauna Europaea (Speight 2004). Authors have not found any specimens or publications that reliably show N. annexa to belong in the Finnish fauna.

Paragus punctulatus (Zetterstedt, 1838) was included in the Finnish species list in Fauna Europaea (Speight 2004). Authors have not found any specimens or publications that reliably show P. punctulatus to belong in the Finnish fauna.

Parasyrphus relictus (Zetterstedt, 1838): The status of P. relictus is unclear and the type material is lost (Speight 2013). P. relictus was excluded from Finnish checklist by Haarto and Kerppola (2007b).

Sphaerophoria sp. B was discovered as a deformed specimen of Sphaerophoria laurae Goeldlin, 1989.

Temnostoma meridionale (Krivosheina & Mamayev, 1962) was included in the Finnish species list in Fauna Europaea (Speight 2004). Authors have not found any specimens or publications that reliably show T. meridionale to belong in the Finnish fauna.

Notes

Melanostoma mellinum (Linnaeus, 1758) and Melanostoma dubium (Zetterstedt, 1837) form a species complex and it is very doubtful whether present species concepts provide an accurate reflection of the number of Melanostoma species (Speight 2013).

Platycheirus modestus Ide, 1926. A previously unpublished record. A new species to the Palaearctic. One male was collected in 4.7.2008 from Obb: Tornio (leg. I. Kakko).

Dasysyrphus spp. Both D. venustus (Meigen, 1822) and D. hilaris (Zetterstedt, 1843) are known to contain several species (Haarto and Kerppola 2007a, Bartsch 2009a).

Cheilosia barovskii (Stackelberg, 1930). A previously unpublished record. Five females were collected in 30.5.1937 from Ta: Sääksmäki (leg. K.E. Kivirikko) and one female in 20.5.2013 from N: Sipoo (leg. T. Järveläinen).

Myolepta nigra (Loew, 1872) was erroneously included in the list of Finnish flies (Hackman 1980) instead of Helleniola nigra (Zetterstedt, 1843) = Chrysosyrphus niger (Hackman 1982).

The used nomenclature of the species E. nemorum (Linnaeus, 1758), E. arbustorum (Linnaeus, 1758) and E. borticina (De Geer, 1776) follows the proposal in Case 3259 by Chandler et al. (2004) and the usage of these names is confirmed in Opinion 2153 by ICZN (International Commission on Zoological Nomenclature) (2006).

Mallota tricolor Loew, 1871. A previously unpublished record. One male was collected in 4.8.1977 from Ta: Hämeenlinna (leg. M. Raekunnas) and another male in 13.6.–6.7.2013 from Sa: Joutseno (leg. J. Vilén).

Microdon mutabilis (Linnaeus, 1758) and Microdon myrmicae Schönrogge, Barr, Wardlaw, Napper, Gardner, Breen, Elmes & Thomas, 2002 form a species complex the species of which can be separate only by characters of the larvae and the puparia (Bartsch 2009b). In the Finnish checklist M. mutabilis represents either of the two species or include both of the species.
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