

## Family TABANIDAE

Tabanids are a cosmopolitan family of usually medium to large-sized Diptera, commonly known as horse or deer flies. Females of extant forms are blood feeders and obtain their meals from a variety of vertebrate hosts. Males feed on nectar and pollen. Larvae are found in a variety of terrestrial to semi-aquatic habitats, usually in sand or soil of varying wetness where they are known to prey on other invertebrates.

The oldest named fossil tabanid is a species of *Tabanus* from the Eocene/Oligocene deposits of the Isle of Wight described by Cockerell (1921 c). The species of *Haematopota* described by Stuckenberg (1975) as from Baltic amber has been shown by Lewis *et al.* (1977) to actually be a copal inclusion from an unknown locality in Africa. An older undetermined compression fossil of Tabanidae from the Middle Jurassic Mont-Saint-Marin deposit in Luxemburg was noted by Maurice (1882). There are Cretaceous genera described by Kovalev (1986) from Mongolia, but are treated in this catalog as unplaced in Tabanoidea.

In addition to the described forms listed below, Scudder (1895: 121) recorded a possible new genus and species of tabanid from the Miocene Oeningen deposits of Switzerland. Undescribed Tabanidae have been noted from the Eocene of the Green River Formation (Bradley, 1931; Swanson & Lewis, 1993), which would make them the oldest representatives of this family from the North American continent.

The Cretaceous genus *Protabanus*, described by Hong (1982) has been shown by Grimaldi (1990) and Zhang (1993 b) to belong to the order Homoptera, where it has been placed in the cicadoid family Tettigarctidae by Hamilton (1992: 429) in his catalog of Mesozoic Homoptera genera.

Ref.: Moucha (1972, review of fossil taxa); Leclerque (1989, list of fossil taxa).

### Genus AEMODIPSUS Maneval

*AEMODIPSUS* Aymard, 1856: 42. *Nomen nudum*.

**AEMODIPSUS** Maneval, 1936: 35. Type species: *Aemodipsus bornensis* Maneval, 1936, by monotypy.

**bornensis** Maneval, 1936: 35. PA: France (Oligocene) [C].

*bornensis* Aymard, 1856: 42 (*Aemodipsus*). *Nomen nudum*.

**Genus CHRYSOPS Meigen**

- \***CHRYSOPS** Meigen, 1803: 267. Type species: *Tabanus caecutiens* Linnaeus, 1758, by monotypy.  
**seguyi** Piton, 1940: 215. PA: France (Oligocene) [C].

**Genus HAEMATOPOTA Meigen**

- \***HAEMATOPOTA** Meigen, 1803: 267. Type species: *Tabanus pluvialis* Linnaeus, 1758, by monotypy.  
**pinicola** Stuckenberg, 1975: 460. PA: Baltic Region (Eocene/Oligocene) [A]  
 [error, = AF: Unknown (Pleistocene)] [K].

**Genus HEPTATOMA Meigen**

- \***HEPTATOMA** Meigen, 1803: 226. Type species: *Heptatoma bimaculata* Meigen, 1804 [= *Tabanus pellucens* Fabricius, 1776], by subsequent monotypy in Meigen (1804: 156).  
 [*Heptatoma* originally proposed without named species. The bibliographic reference "*Tabanus* Schaeff. Icon. Tab. 72. fig. 6–8" does not constitute inclusion of a nominal species according to I.C.Z.N. Code Article 69(a)(i)(2).]  
 \***HEXATOMA** Meigen, 1820: 83. Type species: *Heptatoma bimaculata* Meigen, 1804 [= *Tabanus pellucens* Fabricius, 1776], by monotypy. [Preoccupied by Latreille, 1809.]  
**oeningensis** Heer, 1864: 394 (*Hexatoma*). PA: Switzerland (Oligocene) [C].  
**New combination.**

**Genus SILVIUS Meigen**

- \***SILVIUS** Meigen, 1820: 27. Type species: *Tabanus vituli* Fabricius, 1805 [= *Tabanus alpinus* Scopoli, 1763], by monotypy.  
**merychippi** Melander, 1947: 43. NE: USA (Oligocene) [C].

**Genus STENOTABANUS Lutz**

- \***STENOTABANUS** Lutz, 1913: 487. Type species: *Tabanus taeniotes* Wiedemann, 1828, by subsequent monotypy in Lutz & Neiva (1914: 73).  
**brodzinskyi** Lane, Poinar & Fairchild, 1988: 594. NT: Dominican Republic (Oligocene/Miocene) [A].  
**woodruffi** Fairchild & Lane, 1989: 630. NT: Dominican Republic (Oligocene/Miocene) [A].

**Genus TABANUS Linnaeus**

- \***TABANUS** Linnaeus, 1758: 601. Type species: *Tabanus bovinus* Linnaeus, 1758, by subsequent designation of Latreille (1810: 443).  
**hipparionis** Cockerell, 1909c: 67. NE: USA (Oligocene) [C].  
**merychippi** Cockerell, 1916c: 96. NE: USA (Oligocene) [C].  
**parahippi** Cockerell, 1909c: 67. NE: USA (Oligocene) [C].  
**statzi** Moucha, 1972: 28 (new replacement name for *fulvescens* Statz). PA: Germany (Oligocene) [C].  
*fulvescens* Statz, 1940: 130. PA: Germany (Oligocene) [C]. [Preoccupied by Walker, 1848.]  
\***sudeticus** Zeller, 1842: 815. PA: Poland; Europe, North Africa, Morocco; PA: Germany (Pliocene) [C].  
ssp. **fossilis** Grabenhorst, 1985: 325. PA: Germany (Pliocene) [C].  
**vectensis** Cockerell, 1921c: 472 (*Chrysops*). PA: UK (England) (Eocene/Oligocene) [C].

**Unplaced Species of TABANIDAE**

- laticornis** Meunier, 1902d: 396 (*Silvius*). PA: Baltic Region (Eocene/Oligocene) [A].  
*laticornis* Loew, 1850b: 40 (*Silvius*). *Nomen nudum*.