

## Family DROSOPHILIDAE

Drosophilidae are one of the largest of the families of acalypterate Diptera (almost 3,000 described species in over 60 genera) and are found worldwide. Members of the family are attracted to a variety of fermenting substances and can be found in very specialized habitats including slime fluxes, decaying leaves, rotting cacti, fungi, flower heads, the sap of bleeding tree wounds, and even on submerged aquatic substrates.

The fossil record is substantial for the higher acalypterate flies (13 described species in 8 genera). Most fossil species have been described from Tertiary amber sources; however, Statz (1940) described two species of "*Drosophila*" from compression fossils of the Oligocene Braunkohle deposits in Rott, Germany.

Ref.: Grimaldi (1987, key to amber taxa).

### Genus CHYMOMYZA Czerny

- \***CHYMOMYZA** Czerny, 1903: 199. Type species: *Drosophila fuscimana* Zetterstedt, 1838, by subsequent designation of Sturtevant (1921: 61).  
**primaeva** Grimaldi, 1987: 3. NT: Dominican Republic (Oligocene/Miocene) [A].

### Genus DROSOPHILA Fallén

- \***DROSOPHILA** Fallén, 1823: 4. Type species: *Musca funebris* Fabricius, 1787, by subsequent designation of Zetterstedt (1847: 2542).

#### Subgenus DROSOPHILA Fallén

- poinari** Grimaldi, 1987: 7. NT: Dominican Republic (Oligocene/Miocene) [A].  
**succini** Grimaldi, 1987: 5. NT: Dominican Republic (Oligocene/Miocene) [A].

#### Subgenus HIRTODROSOPHILA Duda

- \***HIRTODROSOPHILA** Duda, 1923: 41 (as genus) [1924: 180] (as *Drosophila* subgenus). Type species: *Drosophila carinata* Duda, 1923 [preoccupied, = *Drosophila latifrontata* Frota-Pessoa, 1945], by subsequent designation of Frota-Pessoa (1945: 471).  
**paleothoracis** Grimaldi, 1987: 9. NT: Dominican Republic (Oligocene/Miocene) [A].

**Unplaced to Subgenus of DROSOPHILA Fallén**

**berryi** Cockerell, 1923: 332. NT: Colombia (?Pleistocene/Holocene) [K].

**blanda** Statz, 1940: 152. PA: Germany (Oligocene) [C].

**elegans** Statz, 1940: 152. PA: Germany (Oligocene) [C].

**Genus ELECTROPHORTICA Hennig**

**ELECTROPHORTICA** Hennig, 1965: 202. Type species: *Electrophortica succini* Hennig, 1965, by monotypy.

**succini** Hennig, 1965: 202. PA: Baltic Region (Eocene/Oligocene) [A].

**Genus HYALISTATA Wheeler**

**HYALISTATA** Wheeler, 1960: 67 (as *Pseudiasata* Coquillett subgenus). Type species: *Pseudiasata pictiventris* Wheeler, 1960, by original designation.

**vitrea** Grimaldi, 1993*b*: 14. NT: Dominican Republic (Oligocene/Miocene) [A].

**Genus MIOMYIA Grimaldi**

**MIOMYIA** Grimaldi, 1987: 10. Type species: *Miomya io* Grimaldi, 1987, by original designation.

**io** Grimaldi, 1987: 12. NT: Dominican Republic (Oligocene/Miocene) [A].

**Genus NEOTANYGASTRELLA Duda**

\***NEOTANYGASTRELLA** Duda, 1925: 206 (as *Drosophila* subgenus). Type species: *Drosophila tricoloripes* Duda, 1925, by monotypy.

**wheeleri** Grimaldi, 1987: 14. NT: Mexico (Oligocene/Miocene) [A].

**Genus PROTOCHYMOMYZA Grimaldi**

**PROTOCHYMOMYZA** Grimaldi, 1987: 15. Type species: *Protochymomyza miocena* Grimaldi, 1987, by original designation.

**miocena** Grimaldi, 1987: 15. NT: Dominican Republic (Oligocene/Miocene) [A].

**Genus SCAPTOMYZA Hardy**

\***SCAPTOMYZA** Hardy, 1850: 361. Type species: *Drosophila graminum* Fal-  
lén, 1823, by subsequent designation of Coquillett (1910: 603).

**dominicana** Grimaldi, 1987: 16. NT: Dominican Republic (Oligocene/Miocene)  
[A].