

A LIST OF THE DIPTERA FROM THE REPUBLIC OF MORDOVIA (EUROPEAN RUSSIA)

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The list of 820 Diptera species collected in the Republic of Mordovia (European Russia) is given. The list is compiled on the basis of data published in 1938–2021. The obtained list of 820 Diptera taxa is represented by 61 families. Our list could serve a starting point for further studies in the Republic of Mordovia, as well as for comparison of this material with other data obtained in various regions around the world.

Key words: Diptera, fauna, Mordovia, Russia, Europe

Introduction

Today, Diptera is one of the most thriving orders, with at least 150.000 species known worldwide. They are numerous and ubiquitous—from the equator to the Arctic deserts. As with the vast majority of other insects, they reach their maximum species diversity in the humid tropics. However, the peculiarity of Diptera is that they have perfectly adapted to high latitudes, and in the forest-tundra zone, there are already more of them than all other insects combined (Courtney et al., 2009; Gladun, 2019; Krivosheina, Krivosheina, 2019; Dvořák et al., 2020; Maslova et al., 2020; Grichanov, 2020). In Mordovia, which is within the forest zone, they are clearly one of the most dominant groups. The problem with the order Diptera is that it is one of the most difficult groups to study. Insects are very fragile, which makes it difficult to mass-collect intact specimens that are suitable for scientific determination. The difficulties in identification arise at the stage of defining families already as only specialists can work in such conditions and there are no specialists for many families.

The first faunal data on Diptera in the Republic of Mordovia appeared in 1938. It was a research result of the zoological expedition led by Prof. S.S. Turov in 1936. However, serious studies on the Diptera inventory in the Republic of Mordovia began since 2010s only. Up to 2011, 183 species were recorded, and over the past decade, 637 new species have been added. The main amount of data have been obtained in two federal Protected Areas, namely Mordovian State Nature Reserve and the National Park «Smolny».

Material and Methods

In the list of Diptera taxa, we present references, where these taxa have been mentioned. The scientific names of Diptera taxa are used according to Narchuk (2003). Names of species are listed alphabetically.

Results and Discussion

As a result of our systematic review, we obtained the following Diptera taxa in the Republic of Mordovia. Suborder Nematocera consists of 142 species from 15 families (Anisopodidae, Bibionidae, Cecidomyiidae, Ceratopogonidae, Chironomidae, Culicidae, Dixidae, Limoniidae, Mycetophilidae, Pediciidae,

Psychodidae, Ptychopteridae, Simuliidae, Tipulidae, Trichoceridae). Suborder Brachycera-Orthorrhapha includes 150 species belonging to 12 families (Acroceridae, Asilidae, Bombyliidae, Dolichopodidae, Empididae, Hybotidae, Rhagionidae, Scenopinidae, Stratiomyidae, Tabanidae, Therevidae, Xylophagidae). Suborder Cyclorrhapha contains 528 species from 34 families (Agromyzidae, Anthomyiidae, Calliphoridae, Chamaemyiidae, Chloropidae, Clusiidae, Conopidae, Dryomyzidae, Ephydriidae, Fanniidae, Heleomyzidae, Hippoboscidae, Lauxaniidae, Lonchaeidae, Lonchopteridae, Megamerinidae, Muscidae, Oestridae, Pallopteridae, Phoridae, Piophilidae, Pipunculidae, Platystomatidae, Psilidae, Sarcophagidae, Scathophagidae, Sciomyzidae, Sepsidae, Strongylophthalmyiidae, Syrphidae, Tachinidae, Tanypezidae, Tephritidae, Ulidiidae). Below we present list of Diptera taxa.

ORDER DIPTERA

SUBORDER NEMATOCERA

Infraorder Tipulomorpha

Family Tipulidae

1. *Ctenophora (Cnemoncosis) fastuosa* Loew, 1871 (Ruchin and Pilipenko, 2015)
2. *Dictenidia bimaculata* (Linnaeus, 1760) (Ruchin and Pilipenko, 2015; Pilipenko et al., 2020)
3. *Nephrotoma aculeata* (Loew, 1871) (Ruchin and Pilipenko, 2015; Pilipenko et al., 2020)
4. *Nephrotoma analis* (Schummel, 1833) (Ruchin and Pilipenko, 2015; Pilipenko et al., 2020)
5. *Nephrotoma appendiculata appendiculata* (Pierre, 1919) (Ruchin and Pilipenko, 2015; Pilipenko et al., 2020)
6. *Nephrotoma cornicina cornicina* (Linnaeus, 1758) (Plavilshchikov, 1964; Ruchin and Pilipenko, 2015; Pilipenko et al., 2020)
7. *Nephrotoma crocata* (Linnaeus, 1758) (Ruchin and Pilipenko, 2015)
8. *Nephrotoma dorsalis* (Fabricius, 1781) (Pilipenko et al., 2020)
9. *Nephrotoma lamellata lamellata* (Riedel, 1910) (Pilipenko et al., 2020)
10. *Nephrotoma pratensis pratensis* (Linnaeus, 1758) (Ruchin and Pilipenko, 2015; Pilipenko et al., 2020)
11. *Nephrotoma quadristriata* (Schummel, 1833) (Pilipenko et al., 2020)
12. *Nephrotoma scalaris* (Meigen, 1818) (Pilipenko et al., 2020)
13. *Nephrotoma scurra* (Meigen, 1818) (Plavilshchikov, 1964; Antsiferova and Dobrosmyslov, 1966; Ruchin and Pilipenko, 2015; Pilipenko et al., 2020)
14. *Nephrotoma tenuipes* (Riedel, 1910) (Pilipenko et al., 2020)
15. *Nigrotipula nigra nigra* (Linnaeus, 1758) (Pilipenko et al., 2020)
16. *Prionocera subsericornis* (Zetterstedt, 1851) (Ruchin and Pilipenko, 2015; Pilipenko et al., 2020)

17. *Prionocera turcica* (Fabricius, 1787) (Ruchin and Pilipenko, 2015)
18. *Tanyptera (Tanyptera) atrata atrata* (Linnaeus, 1758) (Ruchin and Pilipenko, 2015; Pilipenko et al., 2020)
19. *Tipula (Acutipula) fulvipennis* De Geer, 1776 (Ruchin and Pilipenko, 2015)
20. *Tipula (Acutipula) luna* Westhoff, 1879 (Pilipenko et al., 2020)
21. *Tipula (Lunatipula) affinis* Schummel, 1833 (Pilipenko et al., 2020)
22. *Tipula (Lunatipula) fascipennis* Meigen, 1818 (Ruchin and Pilipenko, 2015; Pilipenko et al., 2020)
23. *Tipula (Lunatipula) lunata* Linnaeus, 1758 (Ruchin et al., 2007; Ruchin, 2008; Ruchin and Pilipenko, 2015; Pilipenko et al., 2020)
24. *Tipula (Lunatipula) mellea* Schummel, 1833 (Pilipenko et al., 2020)
25. *Tipula (Lunatipula) recticornis* Schummel, 1833 (Ruchin and Pilipenko, 2015)
26. *Tipula (Lunatipula) vernalis* Meigen, 1804 (Plavilshchikov, 1964; Ruchin and Pilipenko, 2015; Pilipenko et al., 2020)
27. *Tipula (Platytipula) autumnalis* Loew, 1864 (Pilipenko et al., 2020)
28. *Tipula (Platytipula) luteipennis luteipennis* Meigen, 1830 (Ruchin and Pilipenko, 2015; Pilipenko et al., 2020)
29. *Tipula (Pterelachisus) jutlandica* Nielsen, 1947 (Pilipenko et al., 2020)
30. *Tipula (Pterelachisus) laetibasis* Alexander, 1934 (Pilipenko et al., 2020)
31. *Tipula (Pterelachisus) pseudovariipennis* Czizek, 1912 (Ruchin and Pilipenko, 2015)
32. *Tipula (Pterelachisus) submarmorata* Schummel, 1833 (Ruchin and Pilipenko, 2015; Pilipenko et al., 2020)
33. *Tipula (Pterelachisus) varipennis* Meigen, 1818 (Ruchin and Pilipenko, 2015; Pilipenko et al., 2020)
34. *Tipula (Pterelachisus) winthemi* Lackschewitz, 1932 (Pilipenko et al., 2020)
35. *Tipula (Savtshenkia) obsoleta* Meigen, 1818 (Ruchin and Pilipenko, 2015; Pilipenko et al., 2020)
36. *Tipula (Tipula) paludosa* Meigen, 1830 (Plavilshchikov, 1964; Timraleev, 1992; Ruchin et al., 2007; Ruchin, 2008; Ruchin and Pilipenko, 2015; Pilipenko et al., 2020)
37. *Tipula (Tipula) subcunctans* Alexander, 1921 (Timraleev, 1992; Pilipenko 2009; Ruchin and Pilipenko, 2015; Pilipenko et al., 2020)
38. *Tipula (Vestiplex) hortorum* Linnaeus, 1758 (Ruchin and Pilipenko, 2015; Pilipenko et al., 2020)
39. *Tipula (Vestiplex) nubeculosa* Meigen, 1804 (Ruchin and Pilipenko, 2015; Pilipenko et al., 2020)
40. *Tipula (Vestiplex) scripta scripta* Meigen, 1830 (Ruchin and Pilipenko, 2015; Pilipenko et al., 2020)
41. *Tipula (Yamatotipula) couckeii* Ton. 1921 (Ruchin and Pilipenko, 2015)
42. *Tipula (Yamatotipula) lateralis* Meigen, 1804 (Ruchin and Pilipenko, 2015; Pilipenko et al., 2020)
43. *Tipula (Yamatotipula) pierreii* Tonnoir, 1921 (Pilipenko et al., 2020)

Family Limoniidae

44. *Achyrolimonia neonebulosa* (Alexander, 1924) (Pilipenko et al., 2020; Dvořák et al., 2020)
45. *Cheilotrichia (Empeda) neglecta* (Lackschewitz, 1927) (Pilipenko et al., 2020)
46. *Dicranomyia (Dicranomyia) autumnalis* (Staeger, 1840) (Pilipenko et al., 2020)
47. *Dicranomyia (Dicranomyia) consimilis* (Zetterstedt, 1838) (Pilipenko et al., 2020)
48. *Dicranomyia (Dicranomyia) frontalis* (Staeger, 1840) (Ruchin and Pilipenko, 2015; Pilipenko et al., 2020)
49. *Dicranomyia (Dicranomyia) modesta* (Meigen, 1818) (Pilipenko et al., 2020)
50. *Dicranomyia (Dicranomyia) omissinervis* de Meijere, 1918 (Pilipenko et al., 2020)
51. *Dicranomyia (Dicranomyia) ventralis* (Schummel, 1829) (Pilipenko et al., 2020)
52. *Dicranomyia (Glochina) schineriana* (Alexander, 1964) (Pilipenko et al., 2020)
53. *Dicranomyia (Glochina) tristis* (Schummel, 1829) (Pilipenko et al., 2020)
54. *Dicranomyia (Idiopyga) danica* Kuntze, 1919 (Pilipenko et al., 2020)
55. *Dicranophragma (Brachylimnophila) nemorale* (Meigen, 1818) (Ruchin and Pilipenko, 2015; Pilipenko et al., 2020)
56. *Dicranoptycha fuscescens* (Schummel, 1829) (Pilipenko et al., 2020)
57. *Discobola parvispinula* (Alexander, 1947) (Pilipenko et al., 2020; Dvořák et al., 2020)
58. *Elephantomyia (Elephantomyia) krivosheinae* Savchenko, 1976 (Pilipenko et al., 2020)
59. *Eloeophila maculata* (Meigen, 1804) (Pilipenko et al., 2020)
60. *Epiphragma (Epiphragma) ocellare* (Linnaeus, 1760) (Ruchin and Pilipenko, 2015; Pilipenko et al., 2020)
61. *Erioconopa trivialis* (Meigen, 1818) (Plavilshchikov, 1964; Ruchin and Pilipenko, 2015; Pilipenko et al., 2020)
62. *Erioptera (Erioptera) fuscipennis* Meigen, 1818 (Ruchin and Pilipenko, 2015)
63. *Erioptera (Erioptera) lutea lutea* Meigen, 1804 (Ruchin and Pilipenko, 2015)
64. *Euphylidorea (Euphylidorea) phaeostigma* (Schummel, 1829) (Pilipenko et al., 2020)
65. *Eutonia barbipes* (Meigen, 1804) (Ruchin and Pilipenko, 2015; Pilipenko et al., 2020)
66. *Helius (Helius) longirostris longirostris* (Meigen, 1818) (Pilipenko et al., 2020)
67. *Hexatoma (Hexatoma) fuscipennis* (Curtis, 1836) (Pilipenko et al., 2020)
68. *Idioptera linnei* Oosterbroek, 1992 (Ruchin and Pilipenko, 2015; Pilipenko et al., 2020)
69. *Idioptera pulchella* (Meigen, 1830) (Ruchin and Pilipenko, 2015)

70. *Limnophila (Limnophila) pictipennis* (Meigen, 1818) (Ruchin and Pilipenko, 2015)
71. *Limnophila (Limnophila) schranki* Oosterbroek, 1992 (Ruchin and Pilipenko, 2015; Pilipenko et al., 2020)
72. *Limonia albifrons* (Meigen, 1818) (Ruchin and Pilipenko, 2015)
73. *Limonia macrostigma* (Schummel, 1829) (Pilipenko et al., 2020; Dvořák et al., 2020)
74. *Limonia nigropunctata nigropunctata* (Schummel, 1829) (Pilipenko et al., 2020)
75. *Limonia phragmitidis* (Schrank, 1781) (Ruchin and Pilipenko, 2015; Pilipenko et al., 2020)
76. *Limonia trivittata* (Schummel, 1829) (Ruchin and Pilipenko, 2015)
77. *Metalimnobia (Metalimnobia) bifasciata* (Schrank, 1781) (Ruchin and Pilipenko, 2015; Pilipenko et al., 2020; Dvořák et al., 2020)
78. *Metalimnobia (Metalimnobia) quadrimaculata* (Linnaeus, 1760) (Ruchin and Pilipenko, 2015; Pilipenko et al., 2020; Dvořák et al., 2020)
79. *Metalimnobia (Metalimnobia) quadrinotata* (Meigen, 1818) (Ruchin and Pilipenko, 2015; Pilipenko et al., 2020)
80. *Molophilus (Molophilus) ochraceus* (Meigen, 1818) (Ruchin and Pilipenko, 2015)
81. *Molophilus (Molophilus) propinquus* (Egger, 1863) (Ruchin and Pilipenko, 2015)
82. *Phylidorea (Paraphylidorea) fulvonervosa* (Schummel, 1829) (Pilipenko et al., 2020)
83. *Phylidorea (Phylidorea) bicolor* (Meigen, 1804) (Pilipenko et al., 2020)
84. *Phylidorea (Phylidorea) ferruginea* (Meigen, 1818) (Pilipenko et al., 2020)
85. *Phylidorea (Phylidorea) squalens* (Zetterstedt, 1838) (Pilipenko et al., 2020)
86. *Pilaria discicollis* (Meigen, 1818) (Pilipenko et al., 2020)
87. *Pilaria fuscipennis* (Meigen, 1818) (Pilipenko et al., 2020)
88. *Rhipidia (Rhipidia) maculata* Meigen, 1818 (Ruchin and Pilipenko, 2015; Pilipenko et al., 2020)
89. *Symplecta (Symplecta) hybrida* (Meigen, 1804) (Ruchin and Pilipenko, 2015; Pilipenko et al., 2020)

Family Pediciidae

90. *Dicranota (Paradicranota) gracilipes* Wahlgren, 1905 (Pilipenko et al., 2020)
91. *Pedicia (Pedicia) rivos rivos* (Linnaeus, 1758) (Pilipenko et al., 2020)
92. *Tricyphona (Tricyphona) immaculata* (Meigen, 1804) (Pilipenko et al., 2020)
93. *Tricyphona (Tricyphona) unicolor* (Schummel, 1829) (Pilipenko et al., 2020)
94. *Ula (Ula) bolitophila* Loew, 1869 (Pilipenko et al., 2020)

Infraorder Bibionomorpha

Superfamilia Bibionoidea

Family Bibionidae

- 95. *Dilophus febrilis* (Linnaeus, 1758) (Plavilshchikov, 1964)
- 96. *Dilophus femoratus* Meigen, 1804 (Timraleev, 1992)
- 97. *Bibio brunnipes* (Fabricius, 1794) (Kornev et al., 2016)
- 98. *Bibio johannis* (Linnaeus, 1767) (Feoktistov, 2011, as *Bibio clavipes*; Dvořák et al., 2020)
- 99. *Bibio hortulanus* (Linnaeus, 1758) (Timraleev, 1992; Kornev et al., 2016)
- 100. *Bibio marci* (Linnaeus, 1758) (Timraleev, 1992; Feoktistov, 2011; Kornev et al., 2016)

Superfamilia Sciaroidea (= Mycetophiloidea)

Family Mycetophilidae

- 101. *Macrobrachius fungorum* (De Geer, 1776) (Plavilshchikov, 1964, as *Fungivora fungorum*)

Family Cecidomyiidae

- 102. *Contarinia medicaginis* Kieffer, 1895 (Antsiferova, 1979)
- 103. *Contarinia petioli* (Kieffer, 1898) (Plavilshchikov, 1964, as *Syndiplosis petiole*)
- 104. *Contarinia tritici* (Kirby, 1798) (Timraleev, 1992)
- 105. *Lestremia leucophaea* (Meigen, 1818) (Plavilshchikov, 1964)
- 106. *Mayetiola destructor* (Say, 1817) (Timraleev, 1992)
- 107. *Dasineura medicaginis* (Bremi, 1847) (Antsiferova, 1979, as *Perrisia ignorata*)

Superfamilia Psychodoidea

Family Psychodidae

- 108. *Psychoda phalaenoides* (Linnaeus, 1758) (Feoktistov, 2011)

Superfamilia Trichoceroidea

Family Trichoceridae

- 109. *Trichocera regelationis* (Linnaeus, 1758) (Plavilshchikov, 1964, as *Petaurista regelationis*)

Family Anisopodidae

- 110. *Sylvicola cinctus* (Fabricius, 1787) (Dvořák et al., 2020)
- 111. *Sylvicola fuscatoides* (Michelsen, 1999) (Dvořák et al., 2020)
- 112. *Sylvicola punctatus* (Fabricius, 1787) (Dvořák et al., 2020)
- 113. *Sylvicola stackelbergi* Krivosheina & Menzel, 1998 (Dvořák et al., 2020)

Superfamilia Ptychopteroidea

Family Ptychopteridae

114. *Ptychoptera contaminata* (Linnaeus, 1758) (Feoktistov, 2011)

Infraorder Culicomorpha

Superfamilia Culicoidea

Family Dixidae

115. *Dixella nigra* (Staeger, 1840) (Sazhnev, 2018)

Family Culicidae

116. *Aedes behningi* (Martini, 1926) (Feoktistov, 2011)
117. *Aedes cataphylla* Dyar, 1916 (Feoktistov, 2011)
118. *Aedes cinereus* Meigen, 1818 (Plavilshchikov, 1964)
119. *Aedes cyprius* Ludlow, 1919 (Plavilshchikov, 1964, as *Aedes freyi*; Feoktistov, 2011)
120. *Aedes excrucians* (Walker, 1856) (Feoktistov, 2011)
121. *Aedes leucomelas* (Meigen, 1804) (Feoktistov, 2011)
122. *Aedes vexans* (Meigen, 1830) (Feoktistov, 2011)
123. *Anopheles claviger* (Meigen, 1804) (Plavilshchikov, 1964, as *Anopheles bifurcatus*)
124. *Anopheles maculipennis* Meigen, 1818 (Plavilshchikov, 1964)
125. *Culex modestus* Ficalbi, 1889 (Plavilshchikov, 1964)
126. *Culex pipiens* Linnaeus, 1758 (Plavilshchikov, 1964)

Superfamilia Chironomoidea

Family Simuliidae

127. *Argentisimulium noelleri* (Friederichs, 1920) (Budaeva and Ruchin, 2014)
128. *Boophthora erythrocephala* (De Geer, 1776) (Budaeva and Ruchin, 2014)
129. *Boreosimulium annulus* (Lundström, 1911) (Budaeva and Ruchin, 2014)
130. *Byssodon maculatus* (Meigen, 1804) (Budaeva and Ruchin, 2014)
131. *Odagmia ornata* (Meigen, 1818) (Budaeva and Ruchin, 2014)
132. *Odagmia pratora* (Friederichs, 1921) (Budaeva and Ruchin, 2014)
133. *Schoenbaueria nigra* (Meigen, 1804) (Budaeva and Ruchin, 2014)
134. *Simulium paramorsitans* Rubzov, 1956 (Budaeva and Ruchin, 2014)
135. *Stegopterna trigonia* (Lundström, 1911) (Budaeva and Ruchin, 2014)
136. *Wilhelmia balcanica* Enderlein, 1924 (Budaeva and Ruchin, 2014)
137. *Wilhelmia equina* (Linnaeus, 1758) (Budaeva and Ruchin, 2014)

Family Ceratopogonidae

138. *Forcipomyia bipunctata* (Linnaeus, 1767) (Plavilshchikov, 1964)

Family Chironomidae

- 139. *Glyptotendipes gripekoveni* (Kieffer, 1913) (Stojko et al., 2014)
- 140. *Endochironomus tendens* (Fabricius, 1775) (Stojko et al., 2014)
- 141. *Glyptotendipes glaucus* (Meigen, 1818) (Sazhnev, 2018)
- 142. *Procladius choreus* (Meigen, 1804) (Sazhnev, 2018)

SUBORDER BRACHYCERA ORTHORRHAPHA

Infraorder Xylophagomorpha

Family Xylophagidae

- 143. *Xylophagus cinctus* (De Geer, 1776) (Feoktistov, 2011)

Infraorder Stratiomyomorpha

Family Stratiomyidae

- 144. *Chloromyia formosa* (Scopoli, 1763) (Kornev et al., 2017)
- 145. *Chloromyia speciosa* (Macquart, 1834) (Feoktistov, 2011, as *Chloromyia melanpogon*)
- 146. *Nemotelus argentifer* Loew, 1846 (Kornev et al., 2017)
- 147. *Odontomyia cephalonica* Strobl, 1898 (Kornev et al., 2017)
- 148. *Odontomyia ornata* (Meigen, 1822) (Kornev et al., 2017)
- 149. *Odontomyia tigrina* (Fabricius, 1775) (Kornev et al., 2017)
- 150. *Oplodontha viridula* (Fabricius, 1775) (Feoktistov, 2011, as *Odontomyia viridula*)
- 151. *Sargus cuprarius* (Linnaeus, 1758) (Kornev et al., 2017)
- 152. *Sargus iridatus* (Scopoli, 1763) (Feoktistov, 2011, as *Sargus nitidus*; Kornev et al., 2017)
- 153. *Solva marginata* (Meigen, 1820) (Feoktistov, 2011)
- 154. *Stratiomys cenisia* Meigen, 1822 (Kornev et al., 2017)
- 155. *Stratiomys chamaeleon* (Linnaeus, 1758) (Kornev et al., 2017)
- 156. *Stratiomys equestris* Meigen, 1835 (Redikortsev, 1938; Plavilshchikov, 1964, as *Stratiomyia sintenisi*; Kornev et al., 2017)
- 157. *Stratiomys singularior* (Harris, 1776) (Kornev et al., 2017)
- 158. *Xylomya czekanovskii* (Pleske, 1925) (Feoktistov, 2011, as *Xylomya interrupta*)

Infraorder Tabanomorpha

Superfamilia Tabanoidea

Family Rhagionidae

- 159. *Rhagio scolopaceus* (Linnaeus, 1758) (Feoktistov, 2011)

Family Tabanidae

160. *Atylotus fulvus* (Meigen, 1804) (Budaeva and Ruchin, 2016)
161. *Atylotus rusticus* (Linnaeus, 1761) (Antsiferova and Dobrosmyslov, 1966; Ruchin et al., 2007; Ruchin, 2008; Feoktistov, 2011)
162. *Chrysops caecutiens* (Linnaeus, 1758) (Plavilshchikov, 1964; Budaeva and Ruchin, 2016)
163. *Chrysops divaricatus* Loew, 1858 (Feoktistov, 2011)
164. *Chrysops relictus* Meigen, 1820 (Redikortsev, 1938; Plavilshchikov, 1964; Budaeva and Ruchin, 2016)
165. *Chrysops viduatus* (Fabricius, 1794) (Plavilshchikov, 1964; Feoktistov, 2011 as *Chrysops pictus*; Ruchin et al., 2007; Ruchin, 2008 as *Chrysops quadratus*; Budaeva and Ruchin, 2016)
166. *Haematopota crassicornis* Wahlberg, 1848 (Plavilshchikov, 1964)
167. *Haematopota italica* Meigen, 1804 (Plavilshchikov, 1964)
168. *Haematopota pluvialis* (Linnaeus, 1758) (Plavilshchikov, 1964; Antsiferova and Dobrosmyslov, 1966; Ruchin et al., 2007; Ruchin, 2008 as *Chrysosoma pluvialis*; Budaeva and Ruchin, 2016)
169. *Heptatoma pellucens* (Fabricius, 1776) (Feoktistov, 2011; Budaeva and Ruchin, 2016)
170. *Hybomitra bimaculata* (Macquart, 1826) (Feoktistov, 2011; Budaeva and Ruchin, 2016)
171. *Hybomitra ciureai* (Seguy, 1937) (Plavilshchikov, 1964; Antsiferova and Dobrosmyslov, 1966 as *Tabanus solstitialis*; Budaeva and Ruchin, 2016)
172. *Hybomitra distinguenda* (Verrall, 1909) (Feoktistov, 2011)
173. *Hybomitra kaurii* Chvala & Lyneborg, 1970 (Budaeva and Ruchin, 2016)
174. *Hybomitra lundbecki* Lyneborg, 1959 (Plavilshchikov, 1964 as *Tabanus fulvicornis*; Feoktistov, 2011; Budaeva and Ruchin, 2016)
175. *Hybomitra montana* (Meigen, 1820) (Budaeva and Ruchin, 2016)
176. *Hybomitra muehlfeldi* (Brauer, 1880) (Budaeva and Ruchin, 2016)
177. *Hybomitra nigricornis* (Zetterstedt, 1842) (Budaeva and Ruchin, 2016)
178. *Hybomitra nitidifrons* (Szilady, 1914) (Feoktistov, 2011 as *Hybomitra conformis*; Budaeva and Ruchin, 2016)
179. *Tabanus bovinus* Linnaeus, 1758 (Plavilshchikov, 1964; Antsiferova and Dobrosmyslov, 1966; Ruchin et al., 2007; Ruchin, 2008; Budaeva and Ruchin, 2016)
180. *Tabanus bromius* Linnaeus, 1758 (Plavilshchikov, 1964)
181. *Tabanus glaucopis* Meigen, 1820 (Plavilshchikov, 1964; Budaeva and Ruchin, 2016)
182. *Tabanus maculicornis* Zetterstedt, 1842 (Feoktistov, 2011)
183. *Tabanus miki* Brauer, 1880 (Feoktistov, 2011)
184. *Tabanus sudeticus* Zeller, 1842 (Feoktistov, 2011; Budaeva and Ruchin, 2016)

Superfamilia Nemestrinoidea

Family Acroceridae

185. *Ogcodes gibbosus* Linnaeus, 1758 (MacGowan et al., 2021)

Superfamilia Asiliodea

Family Bombyliidae

186. *Anastoechus caucasicus* (Paramonov 1930) (Chursina and Ruchin, 2018a)
187. *Anastoechus nitidulus* (Fabricius 1794) (Chursina and Ruchin, 2018a)
188. *Anthrax anthrax* (Schränk 1781) (Plavilshchikov, 1964; Chursina and Ruchin, 2018a)
189. *Anthrax incomptus* Walker 1849 (Chursina and Ruchin, 2018a)
190. *Antrax varius* Fabricius 1794 (Chursina and Ruchin, 2018a)
191. *Bombylius ambustus* Pallas 1818 (Chursina and Ruchin, 2018a)
192. *Bombylius discolor* Mikan 1796 (Chursina and Ruchin, 2018a)
193. *Bombylius fulvescens* Wiedemann in Meigen 1820 (Plavilshchikov, 1964; Chursina and Ruchin, 2018a)
194. *Bombylius major* Linnaeus 1758 (Feoktistov, 2011; Chursina and Ruchin, 2018a)
195. *Bombylius medius* Linnaeus 1758 (Chursina and Ruchin, 2018a)
196. *Bombylius minor* Linnaeus 1758 (Chursina and Ruchin, 2018a)
197. *Bombylosoma nigriceps* (Loew 1862) (Chursina and Ruchin, 2018a)
198. *Bombylosoma unicolor* (Loew 1855) (Chursina and Ruchin, 2018a)
199. *Exhyalanthrax afer* (Fabricius 1794) (Chursina and Ruchin, 2018a)
200. *Exoprosopa capucina* (Fabricius 1781) (Plavilshchikov, 1964; Chursina and Ruchin, 2018a)
201. *Hemipenthes maura* (Linnaeus 1758) (Feoktistov, 2011, as *Hemipenthes maurus*; Chursina and Ruchin, 2018a)
202. *Hemipenthes morio* (Linnaeus 1758) (Chursina and Ruchin, 2018a)
203. *Systoechus ctenopterus* (Mikan 1796) (Plavilshchikov, 1964, as *Systoechus sulphureus*; Feoktistov, 2011; Chursina and Ruchin, 2018a)
204. *Thyridanthrax fenestratus* (Fallen 1814) (Chursina and Ruchin, 2018a)
205. *Villa cingulum* (Wiedemann in Meigen 1820) (Chursina and Ruchin, 2018a)
206. *Villa hottentotta* (Linnaeus 1758) (Plavilshchikov, 1964, as *Hemipenthes hottentota*; Chursina and Ruchin, 2018a)

Family Therevidae

207. *Thereva fulva* (Meigen, 1804) (Feoktistov, 2011)
208. *Thereva nobilitata* (Fabricius, 1775) (Plavilshchikov, 1964)

Family Scenopinidae

209. *Scenopinus fenestralis* (Linnaeus, 1758) (Feoktistov, 2011)

Family Asilidae

210. *Andrenosoma albibarbe* (Meigen, 1820) (Astakhov et al., 2019)

211. *Andrenosoma atra* (Linnaeus, 1758) (Plavilshchikov, 1964; Astakhov et al., 2019)
212. *Choerades amurensis* (Hermann, 1914) (Astakhov et al., 2019)
213. *Choerades fuliginosa* (Panzer, 1798) (Plavilshchikov, 1964; Astakhov et al., 2019)
214. *Choerades gilva* (Linnaeus, 1758) (Plavilshchikov, 1964; Astakhov et al., 2019)
215. *Choerades ignea* (Meigen, 1820) (Astakhov et al., 2019)
216. *Choerades marginata* (Linnaeus, 1758) (Plavilshchikov, 1964; Astakhov et al., 2019)
217. *Cyrtopogon luteicornis* (Zetterstedt, 1842) (Astakhov et al., 2019)
218. *Didymachus picipes* (Meigen, 1820) (Antsiferova and Dobrosmyslov, 1966; Ruchin, 2008; Astakhov et al., 2019)
219. *Dioctria atricapilla* (Meigen, 1804) (Astakhov et al., 2019)
220. *Dioctria flavipennis* (Meigen, 1820) (Astakhov et al., 2019)
221. *Dioctria hyalipennis* (Fabricius, 1794) (Astakhov et al., 2019)
222. *Dioctria rufipes* (De Geer, 1776) (Astakhov et al., 2019)
223. *Dysmachus fuscipennis* (Meigen, 1820) (Astakhov et al., 2019)
224. *Dysmachus stylifer* (Loew, 1854) (Astakhov et al., 2019)
225. *Echthistus rufinervis* (Meigen, 1820) (Plavilshchikov, 1964; Astakhov et al., 2019)
226. *Laphria ephippium* (Fabricius, 1781) (Astakhov et al., 2019)
227. *Laphria flava* (Linnaeus, 1761) (Astakhov et al., 2019)
228. *Laphria gibbosa* (Linnaeus, 1758) (Redikortsev, 1938; Plavilshchikov, 1964; Red data book..., 2005; Astakhov et al., 2019)
229. *Lasiopogon cinctus* (Fabricius, 1781) (Plavilshchikov, 1964; Astakhov et al., 2019)
230. *Leptogaster cylindrica* (De Geer, 1776) (Plavilshchikov, 1964; Antsiferova and Dobrosmyslov, 1966; Antsiferova, 1979; Astakhov et al., 2019)
231. *Machimus gonatistes* (Zeller, 1840) (Astakhov et al., 2019)
232. *Machimus rusticus* (Meigen, 1820) (Plavilshchikov, 1964; Astakhov et al., 2019)
233. *Neoepitriptus setosulus* (Zeller, 1840) (Astakhov et al., 2019)
234. *Neoitamus cothurnatus* (Meigen, 1820) (Astakhov et al., 2019)
235. *Neoitamus cyanurus* (Loew, 1849) (Plavilshchikov, 1964; Astakhov et al., 2019)
236. *Neoitamus socius* (Loew, 1871) (Astakhov et al., 2019)
237. *Pamponerus germanicus* (Linnaeus, 1758) (Ruchin, 2008; Astakhov et al., 2019)
238. *Philonicus albiceps* (Meigen, 1820) (Astakhov et al., 2019)
239. *Rhadiurgus variabilis* (Zetterstedt, 1838) (Astakhov et al., 2019)
240. *Tolmerus atricapillus* (Fallén, 1814) (Plavilshchikov, 1964; Ruchin, 2008; Astakhov et al., 2019)
241. *Tolmerus cingulatus* (Fabricius, 1781) (Astakhov et al., 2019)

Superfamilia Empidoidea

Family Empididae

242. *Hilara gallica* (Meigen, 1804) (Plavilshchikov, 1964; Shamshev, 2016)
243. *Rhamphomyia nigripennis* (Fabricius, 1794) (Plavilshchikov, 1964; Shamshev, 2016)

Family Hybotidae

244. *Platypalpus minutus* (Meigen, 1804) (Antsiferova, 1978, as *Tachydromia minuta*)

Family Dolichopodidae

245. *Argyra argentina* (Meigen, 1824) (Negrobov and Golubtsova, 1980)
246. *Argyra diaphana* (Fabricius, 1775) (Plavilshchikov, 1964; Negrobov and Golubtsova, 1980)
247. *Asyndetus latifrons* (Loew, 1857) (Negrobov and Golubtsova, 1980)
248. *Campsicnemus curvipes* (Fallen, 1823) (Negrobov and Golubtsova, 1980)
249. *Campsicnemus lumbatus* Loew, 1857 (Negrobov and Golubtsova, 1980)
250. *Campsicnemus pumilio* (Zetterstedt, 1843) (Negrobov and Golubtsova, 1980, as *Campsicnemus pectinulatus*)
251. *Campsicnemus pusillus* (Meigen, 1824) (Negrobov and Golubtsova, 1980)
252. *Campsicnemus scambus* (Fallen, 1823) (Negrobov and Golubtsova, 1980)
253. *Chrysotus femoratus* Zetterstedt, 1843 (Negrobov and Golubtsova, 1980)
254. *Chrysotus gramineus* (Fallen, 1823) (Plavilshchikov, 1964; Negrobov and Golubtsova, 1980)
255. *Chrysotus laesus* (Wiedemann, 1817) (Negrobov and Golubtsova, 1980)
256. *Chrysotus neglectus* (Wiedemann, 1817) (Plavilshchikov, 1964)
257. *Chrysotus suavis* Loew, 1857 (Negrobov and Golubtsova, 1980)
258. *Diaphorus disjunctus* Loew, 1857 (Negrobov and Golubtsova, 1980)
259. *Dolichopus nigricornis* Meigen, 1824 (Plavilshchikov, 1964; Negrobov and Golubtsova, 1980)
260. *Dolichopus popularis* Wiedemann, 1817 (Feoktistov, 2011)
261. *Dolichopus simplex* Meigen, 1824 (Plavilshchikov, 1964; Negrobov and Golubtsova, 1980)
262. *Dolichopus unguatus* (Linnaeus, 1758) (Antsiferova et al., 1966; Negrobov and Golubtsova, 1980)
263. *Gymnopternus aerosus* (Fallen, 1823) (Negrobov and Golubtsova, 1980, as *Hercostomus aerosus*)
264. *Gymnopternus celer* (Meigen, 1824) (Negrobov and Golubtsova, 1980, as *Hercostomus celer*)
265. *Gymnopternus metallicus* (Stannius, 1831) (Negrobov and Golubtsova, 1980, as *Hercostomus metallicus*)
266. *Hercostomus nigriplantis* (Stannius, 1831) (Negrobov and Golubtsova, 1980)
267. *Hydrophorus altivagus* Aldrich, 1911 (Negrobov and Golubtsova, 1980, as *Hydrophorus wahlgreni*)

268. *Hydrophorus bipunctatus* (Lehmann, 1822) (Negrobov and Golubtsova, 1980)
269. *Hydrophorus brunnicosus* Loew, 1857 (Negrobov and Golubtsova, 1980)
270. *Hydrophorus litoreus* Fallen, 1823 (Negrobov and Golubtsova, 1980)
271. *Hydrophorus viridis* (Meigen, 1824) (Negrobov and Golubtsova, 1980)
272. *Hypophyllus obscurellus* (Fallen, 1823) (Plavilshchikov, 1964)
273. *Medetera abstrusa* Thuneberg, 1955 (Negrobov and Golubtsova, 1980)
274. *Medetera apicalis* (Zetterstedt, 1843) (Negrobov and Golubtsova, 1980)
275. *Medetera jacula* (Fallen, 1823) (Negrobov and Golubtsova, 1980)
276. *Medetera pallipes* (Zetterstedt, 1843) (Negrobov and Golubtsova, 1980)
277. *Medetera veles* Loew, 1861 (Negrobov and Golubtsova, 1980, as *Medetera bilineata*)
278. *Neurigona erichsoni* (Zetterstedt, 1843) (Plavilshchikov, 1964)
279. *Poecilobothrus chrysozygos* (Wiedemann, 1817) (Negrobov and Golubtsova, 1980, as *Hercostomus chrysozygos*)
280. *Rhaphium antennatum* (Carlier, 1835) (Negrobov and Golubtsova, 1980)
281. *Rhaphium caliginosum* Meigen, 1824 (Negrobov and Golubtsova, 1980, as *Rhaphium zetterstedti*)
282. *Rhaphium crassipes* (Meigen, 1824) (Plavilshchikov, 1964, as *Porphyrops crassipes*)
283. *Rhaphium elegantulum* (Meigen, 1824) (Negrobov and Golubtsova, 1980)
284. *Rhaphium laticorne* (Fallen, 1823) (Negrobov and Golubtsova, 1980)
285. *Rhaphium micans* (Meigen, 1824) (Negrobov and Golubtsova, 1980)
286. *Rhaphium monotrichum* Loew, 1850 (Negrobov and Golubtsova, 1980)
287. *Sciapus laetus* (Meigen, 1838) (Feoktistov, 2011)
288. *Sympycnus pulicarius* (Fallen, 1823) (Plavilshchikov, 1964, as *Sympycnus annulipes*; Negrobov and Golubtsova, 1980)
289. *Syntormon bicolorillum* (Zetterstedt, 1843) (Negrobov and Golubtsova, 1980, as *Bathycranium bicolorillum*)
290. *Tachytrechus ripicola* Loew, 1857 (Negrobov and Golubtsova, 1980)
291. *Teuchophorus calcaratus* (Macquart, 1827) (Negrobov and Golubtsova, 1980)
292. *Teuchophorus signatus* (Zetterstedt, 1849) (Negrobov and Golubtsova, 1980)

SUBORDER CYCLORRHAPHA

Section Aschiza

Superfamilia Platypezoidea

Family Lonchopteridae

293. *Lonchoptera lutea* Panzer, 1809 (Plavilshchikov, 1964, as *Musidora lutea*)

Family Phoridae

294. *Megaselia rufipes* (Meigen, 1804) (Timraleev, 1992)

Superfamilia Syrphoidea

Family Syrphidae

295. *Baccha elongata* (Fabricius, 1775) (Antsiferova, 1979; Chursina and Ruchin, 2018b)
296. *Blera fallax* (Linnaeus, 1953) (Chursina and Ruchin, 2018b)
297. *Brachypalpus laphriformis* (Fallén, 1816) (Feoktistov, 2011)
298. *Callicera aenea* (Fabricius, 1781) (Chursina and Ruchin, 2018b)
299. *Ceriana conopsoidea* (Linnaeus, 1758) (Feoktistov, 2011; Chursina and Ruchin, 2018b)
300. *Chalcosyrphus femorata* (Linnaeus, 1758) (Feoktistov, 2011)
301. *Chalcosyrphus nemorum* (Fabricius, 1805) (Plavilshchikov, 1964, as *Zelima nemorum*; Chursina and Ruchin, 2018b)
302. *Chalcosyrphus nitidus* (Portschinsky, 1879) (Chursina and Ruchin, 2018b)
303. *Chalcosyrphus piger* (Fabricius, 1794) (Feoktistov, 2011; Chursina and Ruchin, 2018b)
304. *Chalcosyrphus valgus* (Gmelin, 1790) (Chursina and Ruchin, 2018b)
305. *Cheilosia aenea* (Scopoli, 1763) (Feoktistov, 2011, as *Eristalis aeneus*; Chursina and Ruchin, 2018b, *Eristalinus aeneus*)
306. *Cheilosia albipila* (Meigen, 1838) (Chursina and Ruchin, 2018b)
307. *Cheilosia bardus* (Harris, 1780) (Feoktistov, 2011, as *Cheilosia albitarsis*; Chursina and Ruchin, 2018b, as *Cheilosia albitarsis*)
308. *Cheilosia brunnipennis* (Becker, 1894) (Chursina and Ruchin, 2018b)
309. *Cheilosia chlorus* (Meigen, 1822) (Feoktistov, 2011)
310. *Cheilosia chrysocoma* (Meigen, 1822) (Chursina and Ruchin, 2018b)
311. *Cheilosia corydon* (Harris, 1780) (Chursina and Ruchin, 2018b, as *Cheilosia grossa*)
312. *Cheilosia flavipes* (Panzer, 1798) (Chursina and Ruchin, 2018b)
313. *Cheilosia illustrata* (Harris, 1780) (Chursina and Ruchin, 2018b)
314. *Cheilosia impressa* (Loew, 1840) (Chursina and Ruchin, 2018b)
315. *Cheilosia lasiopa* (Kowarz, 1885) (Chursina and Ruchin, 2018b)
316. *Cheilosia laticornis* Rondani, 1857 (Chursina and Ruchin, 2018b)
317. *Cheilosia latifrons* (Zetterstedt, 1843) (Chursina and Ruchin, 2018b)
318. *Cheilosia morio* (Zetterstedt, 1838) (Chursina and Ruchin, 2018b)
319. *Cheilosia mutabilis* (Fallen, 1817) (Plavilshchikov, 1964; Chursina and Ruchin, 2018b)
320. *Cheilosia pagana* (Meigen, 1822) (Chursina and Ruchin, 2018b)
321. *Cheilosia proxima* (Zetterstedt, 1843) (Feoktistov, 2011)
322. *Cheilosia pubera* (Zetterstedt, 1838) (Feoktistov, 2011)
323. *Cheilosia tarditas* (Harris, 1780) (Chursina and Ruchin, 2018b, as *Cheilosia scutellata*)
324. *Cheilosia velutina* Loew, 1840 (Chursina and Ruchin, 2018b)
325. *Chrysogaster simplex* Loew, 1843 (Chursina and Ruchin, 2018b)
326. *Chrysogaster solstitialis* (Fallen, 1817) (Chursina and Ruchin, 2018b)

327. *Chrysotoxum bicinctum* (Linnaeus, 1758) (Plavilshchikov, 1964; Chursina and Ruchin, 2018b)
328. *Chrysotoxum festivum* (Linnaeus, 1758) (Plavilshchikov, 1964; Antsiferova and Dobrosmyslov, 1966; Chursina and Ruchin, 2018b)
329. *Chrysotoxum octomaculatum* Curtis, 1831 (Chursina and Ruchin, 2018b)
330. *Chrysotoxum vernale* Loew, 1841 (Feoktistov, 2011; Chursina and Ruchin, 2018b)
331. *Criorhina asilica* (Fallén, 1816) (Feoktistov, 2011; Chursina and Ruchin, 2018b)
332. *Criorhina ranunculi* (Panzer, 1805) (Feoktistov, 2011; Chursina and Ruchin, 2018b)
333. *Dasysyrphus intrudens* (Osten Sacken, 1877) (Feoktistov, 2011, as *Syrphus postclaviger*)
334. *Dasysyrphus tricinctus* (Fallén, 1817) (Chursina and Ruchin, 2018b)
335. *Dasysyrphus venustus* (Meigen, 1822) (Chursina and Ruchin, 2018b)
336. *Didea intermedia* (Loew, 1854) (Chursina and Ruchin, 2018b)
337. *Epistrophe diaphana* (Gravenhorst, 1807) (Chursina and Ruchin, 2018b)
338. *Epistrophe grossulariae* (Meigen, 1822) (Plavilshchikov, 1964, as *Syrphus grossulariae*; Chursina and Ruchin, 2018b)
339. *Episyrphus balteatus* (De Geer, 1776) (Feoktistov, 2011, as *Syrphus balteatus*; Chursina and Ruchin, 2018b)
340. *Eristalis abusiva* Collin, 1931 (Chursina and Ruchin, 2018b)
341. *Eristalis alpine* Strobl, 1893 (Chursina and Ruchin, 2018b)
342. *Eristalis anthophorina* (Fallén, 1817) (Chursina and Ruchin, 2018b)
343. *Eristalis arbustorum* (Linnaeus, 1758) (Plavilshchikov, 1964, as *Eristalis nemorum*; Antsiferova and Dobrosmyslov, 1966; Feoktistov, 2011, as *Eristalis abustivus*; Chursina and Ruchin, 2018b)
344. *Eristalis cryptarum* (Fabricius, 1794) (Chursina and Ruchin, 2018b)
345. *Eristalis interrupta* (Poda, 1761) (Chursina and Ruchin, 2018b)
346. *Eristalis intricaria* (Linnaeus, 1758) (Chursina and Ruchin, 2018b)
347. *Eristalis lineata* (Harris, 1776) (Feoktistov, 2011, as *Eristalis horticola*; Chursina and Ruchin, 2018b, as *Eristalis horticola*)
348. *Eristalis rupium* Fabricius, 1805 (Feoktistov, 2011; Chursina and Ruchin, 2018b)
349. *Eristalis tenax* (Linnaeus, 1758) (Plavilshchikov, 1964; Chursina and Ruchin, 2018b)
350. *Eristalis vitripennis* Strobl, 1893 (Plavilshchikov, 1964; Chursina and Ruchin, 2018b)
351. *Eupeodes corolla* (Fabricius, 1794) (Chursina and Ruchin, 2018b)
352. *Eupeodes corollae* (Fabricius, 1794) (Plavilshchikov, 1964, as *Syrphus corollae*; Antsiferova, 1966; Red data book..., 2005; Chursina and Ruchin, 2018b)
353. *Eupeodes lapponicus* (Zetterstedt, 1838) (Chursina and Ruchin, 2018b)
354. *Eupeodes luniger* (Meigen, 1822) (Chursina and Ruchin, 2018b)

355. *Ferdinandea cuprea* (Scopoli, 1763) (Chursina and Ruchin, 2018b)
356. *Ferdinandea ruficornis* (Fabricius, 1775) (Feoktistov, 2011)
357. *Hammerschmidtia ferruginea* (Fallen, 1817) (Chursina and Ruchin, 2018b)
358. *Helophilus affinis* Wahlberg, 1844 (Feoktistov, 2011; Chursina and Ruchin, 2018b)
359. *Helophilus hybridus* Loew, 1846 (Chursina and Ruchin, 2018b)
360. *Helophilus lunulatus* Meigen, 1822 (Feoktistov, 2011)
361. *Helophilus pendulus* (Linnaeus, 1758) (Plavilshchikov, 1964, as *Tubifera pendula*; Antsiferova and Dobrosmyslov, 1966; Feoktistov, 2011; Chursina and Ruchin, 2018b)
362. *Helophilus trivittatus* (Fabricius, 1805) (Chursina and Ruchin, 2018b)
363. *Lejops lineatus* (Fabricius, 1787) (Chursina and Ruchin, 2018b, as *Anasimyia lineata*)
364. *Leucozona glaucia* (Linnaeus, 1758) (Chursina and Ruchin, 2018b)
365. *Leucozona inopinata* Doczkal, 2000 (Chursina and Ruchin, 2018b)
366. *Leucozona laternaria* (Müller, 1776) (Chursina and Ruchin, 2018b)
367. *Mallota florea* (Linnaeus, 1758) (Chursina and Ruchin, 2018b, as *Myathropa florea*)
368. *Mallota megilliformis* (Fallen, 1817) (Chursina and Ruchin, 2018b)
369. *Mallota rossica* Portschinsky, 1877 (Chursina and Ruchin, 2018b)
370. *Mallota tricolor* Loew, 1871 (Feoktistov, 2011; Chursina and Ruchin, 2018b)
371. *Melanostoma mellinum* (Linnaeus, 1758) (Feoktistov, 2011; Chursina and Ruchin, 2018b)
372. *Meliscaeva cinctella* (Zetterstedt, 1843) (Plavilshchikov, 1964, *Syrphus cinctellus*; Chursina and Ruchin, 2018b)
373. *Microdon analis* (Macquart, 1842) (Chursina and Ruchin, 2018b)
374. *Microdon eggeri* Mik, 1897 (Feoktistov, 2011)
375. *Microdon mutabilis* (Linnaeus, 1758) (Chursina and Ruchin, 2018b)
376. *Myatropa florea* (Linnaeus, 1758) (Feoktistov, 2011)
377. *Myolepta femorata* (Scopoli, 1763) (Chursina and Ruchin, 2018b, as *Myolepta vara*)
378. *Neoascia dispar* (Meigen, 1822) (Feoktistov, 2011)
379. *Paragus albifrons* (Fallen, 1817) (Feoktistov, 2011)
380. *Paragus bicolor* (Fabricius, 1794) (Chursina and Ruchin, 2018b)
381. *Parasyrphus vittiger* (Zetterstedt, 1843) (Feoktistov, 2011, as *Syrphus vittiger*)
382. *Parhelophilus frutetorum* (Fabricius, 1775) (Feoktistov, 2011, as *Helophilus frutetorum*; Chursina and Ruchin, 2018b)
383. *Parhelophilus versicolor* (Fabricius, 1794) (Feoktistov, 2011, as *Helophilus versicolor*)
384. *Pipiza lugubris* (Fabricius, 1775) (Chursina and Ruchin, 2018b)
385. *Pipiza nocticula* (Linnaeus, 1758) (Chursina and Ruchin, 2018b)
386. *Pipizella virens* (Fabricius, 1805) (Plavilshchikov, 1964; Chursina and Ruchin, 2018b)
387. *Platycheirus angustatus* (Zetterstedt, 1843) (Feoktistov, 2011)

388. *Platycheirus podagratus* (Zetterstedt, 1838) (Chursina and Ruchin, 2018b)
389. *Platycheirus rosarum* (Fabricius, 1787) (Chursina and Ruchin, 2018b)
390. *Psarus abdominalis* (Fabricius, 1794) (Chursina and Ruchin, 2018b)
391. *Pyrophaena granditarsa* (Forster, 1771) (Feoktistov, 2011)
392. *Rhingia campestris* Meigen, 1822 (Chursina and Ruchin, 2018b)
393. *Scaeva pyrastris* (Linnaeus, 1758) (Plavilshchikov, 1964, as *Syrphus pyrastris*; Antsiferova and Dobrosmyslov, 1966; Antsiferova, 1979; Chursina and Ruchin, 2018b)
394. *Scaeva selenitica* (Meigen, 1822) (Feoktistov, 2011)
395. *Sericomyia silentis* (Harris, 1776) (Feoktistov, 2011; Chursina and Ruchin, 2018b)
396. *Sphaerophoria rueppelli* (Wiedemann, 1830) (Antsiferova, 1966, as *Syrphus rupelli*; Chursina and Ruchin, 2018b)
397. *Sphaerophoria scripta* (Linnaeus, 1758) (Plavilshchikov, 1964; Antsiferova et al., 1966; Antsiferova, 1979; Chursina and Ruchin, 2018b)
398. *Sphecomyia vespiformis* (Gorski, 1852) (Feoktistov, 2011; Chursina and Ruchin, 2018b)
399. *Spilomyia diopthalma* (Linnaeus, 1758) (Feoktistov, 2011; Chursina and Ruchin, 2018b)
400. *Syritta pipiens* (Linnaeus, 1758) (Chursina and Ruchin, 2018b)
401. *Syrphus melanostoma* Macquart, 1842 (Feoktistov, 2011)
402. *Syrphus ribesii* (Linnaeus, 1758) (Plavilshchikov, 1964; Chursina and Ruchin, 2018b)
403. *Syrphus vitripennis* Meigen, 1822 (Plavilshchikov, 1964; Chursina and Ruchin, 2018b)
404. *Temnostoma apiforme* (Fabricius, 1794) (Feoktistov, 2011; Chursina and Ruchin, 2018b)
405. *Temnostoma bombylans* (Fabricius, 1805) (Feoktistov, 2011; Chursina and Ruchin, 2018b)
406. *Temnostoma vespiforme* (Linnaeus, 1758) (Feoktistov, 2011; Chursina and Ruchin, 2018b)
407. *Trichopsomyia flavitarsis* (Meigen, 1822) (Plavilshchikov, 1964, as *Pipizella flavitarsis*; Chursina and Ruchin, 2018b)
408. *Volucella infata* (Fabricius, 1794) (Chursina and Ruchin, 2018b)
409. *Volucella bombylans* (Linnaeus, 1758) (Chursina and Ruchin, 2018b)
410. *Volucella bombylans* (Linnaeus, 1758) (Feoktistov, 2011)
411. *Volucella inanis* (Linnaeus, 1758) (Chursina and Ruchin, 2018b)
412. *Volucella pellucens* (Linnaeus, 1758) (Feoktistov, 2011; Ruchin et al., 2007; Ruchin, 2008; Chursina and Ruchin, 2018b)
413. *Xanthandrus comtus* (Harris, 1780) (Chursina and Ruchin, 2018b)
414. *Xanthogramma citrofasciatum* (De Geer, 1776) (Chursina and Ruchin, 2018b)
415. *Xanthogramma pedissequum* (Harris, 1776) (Chursina and Ruchin, 2018b)
416. *Xylota abiens* Meigen, 1822 (Chursina and Ruchin, 2018b)
417. *Xylota florum* (Fabricius, 1805) (Chursina and Ruchin, 2018b)

418. *Xylota lenta* Meigen, 1822 (Meigen, 1822) (Chursina and Ruchin, 2018b, as *Brachypalpoides lentus*)
419. *Xylota segnis* (Linnaeus, 1758) (Plavilshchikov, 1964, as *Zelima segnis*; Chursina and Ruchin, 2018b)
420. *Xylota sylvarum* (Linnaeus, 1758) (Feoktistov, 2011; Chursina and Ruchin, 2018b)
421. *Xylota tarda* Meigen, 1822 (Chursina and Ruchin, 2018b)
422. *Xylota triangularis* Zetterstedt, 1838 (Chursina and Ruchin, 2018b)

Family Pipunculidae

423. *Pipunculus campestris* Latreille, 1805 (Antsiferova, 1978; Feoktistov, 2011, as *Pipunculus ater*)

Section Schizophora

Acalyptrata

Superfamilia Diopsoidea

Family Tanypezidae

424. *Tanypeza longimana* Fallen, 1820 (MacGowan et al., 2021)

Family Strongylophthalmyiidae

425. *Strongylophthalmyia pictipes* Frey, 1935 (MacGowan et al., 2021)

Family Psilidae

426. *Psila fimetaria* (Linnaeus, 1761) (MacGowan et al., 2021)
427. *Chamaepsila bicolor* (Meigen, 1826) (MacGowan et al., 2021)
428. *Chamaepsila pallida* (Fallén, 1820) (MacGowan et al., 2021)
429. *Chamaepsila rufa* (Meigen, 1826) (MacGowan et al., 2021)
430. *Loxocera fulviventrtris* Meigen, 1826 (MacGowan et al., 2021)

Family Megamerinidae

431. *Megamerina dolium* Fabricius, 1805 (Dvořák et al., 2020; MacGowan et al., 2021)

Superfamilia Conopoidea

Family Conopidae

432. *Conops flavipes* Linnaeus, 1758 (Plavilshchikov, 1964)
433. *Conops vesicularis* Linnaeus, 1761 (Feoktistov, 2011)
434. *Myopa testacea* (Linnaeus, 1767) (Plavilshchikov, 1964)
435. *Physocephala rufipes* (Fabricius, 1781) (Feoktistov, 2011)
436. *Sicus ferrugineus* (Linnaeus, 1761) (Feoktistov, 2011)

Superfamilia Tephritoidea

Family Lonchaeidae

- 437. *Lonchaea baechlii* MacGowan, 2016 (MacGowan et al., 2021)
- 438. *Lonchaea carpathica* Kovalev, 1974 (MacGowan et al., 2021)
- 439. *Lonchaea chorea* (Fabricius, 1781) (Plavilshchikov, 1964)
- 440. *Lonchaea hackmani* Kovalev, 1981 (MacGowan et al., 2021)
- 441. *Lonchaea limatula* Collin, 1953 (MacGowan et al., 2021)
- 442. *Lonchaea seitneri* Hendel, 1928 (Plavilshchikov, 1964)
- 443. *Lonchaea sylvatica* Beling, 1873 (MacGowan et al., 2021)
- 444. *Lonchaea xylophila* Kovalev, 1978 (MacGowan et al., 2021)
- 445. *Protearomyia nigra* (Meigen, 1826) (MacGowan et al., 2021)
- 446. *Protearomyia withersi* MacGowan, 2014 (MacGowan et al., 2021)

Family Ulidiidae

- 447. *Myennis sibirica* Portschinsky, 1892 (Dvořák et al., 2020)
- 448. *Pseudotephritis millepunctata* (Hennig, 1939) (Dvořák et al., 2020; Ruchin et al., 2020)

Family Platystomatidae

- 449. *Platystoma lugubre* (Robineau-Desvoidy, 1830) (Dvořák et al., 2020)

Family Tephritidae

- 450. *Campiglossa absinthii* (Fabricius, 1805) (Plavilshchikov, 1964, as *Paroxyna absinthii*)
- 451. *Trupanea stellata* (Fuessly, 1775) (Plavilshchikov, 1964)
- 452. *Stemonocera cornuta* (Scopoli, 1772) (Plavilshchikov, 1964, as *Vidalia cornuta*)

Family Pallopteridae

- 453. *Palloptera ustulata* Fallén, 1820 (Dvořák et al., 2020)
- 454. *Toxoneura basimaculata* (Czerny, 1934) (Dvořák et al., 2020)
- 455. *Toxoneura usta* (Meigen, 1830) (Dvořák et al., 2020)

Family Piophilidae

- 456. *Mycetaulus bipunctatus* (Fallén, 1823) (Dvořák et al., 2020)

Superfamilia Lauxanioidea

Family Lauxaniidae

- 457. *Aulogastromyia anisodactyla* (Loew, 1845) (Dvořák et al., 2020)
- 458. *Calliopum simillimum* (Collin, 1933) (Dvořák et al., 2020)
- 459. *Calliopum splendidum* Papp, 1978 (Dvořák et al., 2020)
- 460. *Homoneura biunbrata* (Loew, 1847) (Dvořák et al., 2020)

- 461. *Lyciella decipiens* Loew, 1847 (Plavilshchikov, 1964, as *Sapromyza decipiens*; Dvořák et al., 2020)
- 462. *Meiosimyza decempunctata* (Fallén, 1820) (Dvořák et al., 2020)
- 463. *Meiosimyza rorida* (Fallén, 1820) (Dvořák et al., 2020)
- 464. *Meiosimyza subfasciata* (Zetterstedt, 1838) (Dvořák et al., 2020)
- 465. *Minettia lupulina* (Fabricius, 1787) (Dvořák et al., 2020)
- 466. *Minettia plumicornis* (Fallén, 1820) (Dvořák et al., 2020)
- 467. *Pseudolyciella pallidiventris* (Fallén, 1820) (Dvořák et al., 2020)
- 468. *Sapromyza schnabli* Papp, 1987 (Dvořák et al., 2020)

Family Chamaemyiidae

- 469. *Chamaemyia aridella* (Fallén, 1823) (Plavilshchikov, 1964)
- 470. *Chamaemyia juncorum* (Fallén, 1823) (Plavilshchikov, 1964, as *Chamaemyia polystigma*)

Superfamilia Sciomyzoidea

Family Dryomyzidae

- 471. *Dryomyza anilis* Fallén, 1820 (Plavilshchikov, 1964, as *Neuroctena anilis*; Dvořák et al., 2020)
- 472. *Dryope decrepita* (Zetterstedt, 1838) (Plavilshchikov, 1964, as *Dryomyza decrepita*; Dvořák et al., 2020)

Family Sciomyzidae

- 473. *Anticheta atriseta* Loew, 1849 (Vikhrev et al., 2020b)
- 474. *Colobaea bifasciella* Fallén, 1820 (Vikhrev et al., 2020b)
- 475. *Colobaea distincta* Meigen, 1830 (Vikhrev et al., 2020b)
- 476. *Coremacera marginata* Fabricius, 1775 (Vikhrev et al., 2020b)
- 477. *Dichetophora finlandica* Verbeke, 1964 (Vikhrev et al., 2020b)
- 478. *Elgiva cucularia* Linnaeus, 1767 (Vikhrev et al., 2020b)
- 479. *Elgiva sollicita* Harris, 1780 (Feoktistov, 2011, as *Elgiva sundewalli*; Vikhrev et al., 2020b)
- 480. *Euthycera chaerophylli* (Fabricius, 1798) (Dvořák et al., 2020)
- 481. *Ilione lineata* Fallén, 1820 (Vikhrev et al., 2020b)
- 482. *Limnia unguicornis* Scopoli, 1763 (Vikhrev et al., 2020b)
- 483. *Pherbellia albocostata* Fallén, 1820 (Vikhrev et al., 2020b)
- 484. *Pherbellia argyra* Verbeke, 1967 (Vikhrev et al., 2020b)
- 485. *Pherbellia austera* Meigen, 1830 (Vikhrev et al., 2020b)
- 486. *Pherbellia brunnipes* Meigen, 1838 (Vikhrev et al., 2020b)
- 487. *Pherbellia cinerella* Fallén, 1820 (Vikhrev et al., 2020b)
- 488. *Pherbellia dubia* Fallén, 1820 (Vikhrev et al., 2020b)
- 489. *Pherbellia griseola* Fallén, 1820 (Vikhrev et al., 2020b)
- 490. *Pherbellia obtusa* Fallén, 1820 (Vikhrev et al., 2020b)
- 491. *Pherbellia pilosa* Hendel, 1902 (Vikhrev et al., 2020b)

492. *Pherbellia schoenherri* Fallen, 1826 (Feoktistov, 2011; Vikhrev et al., 2020b)
493. *Pherbellia scutellaris* von Roser, 1840 (Vikhrev et al., 2020b)
494. *Pherbellia sordida* Hendel, 1902 (Vikhrev et al., 2020b)
495. *Pherbina coryleti* Scopoli, 1763 (Vikhrev et al., 2020b)
496. *Psacadina vittigera* Schiner, 1864 (Vikhrev et al., 2020b)
497. *Psacadina zernyi* Mayer, 1953 (Vikhrev et al., 2020b)
498. *Pteromicra glabricula* Fallen, 1820 (Vikhrev et al., 2020b)
499. *Pteromicra leucopeza* Meigen, 1838 (Vikhrev et al., 2020b)
500. *Renocera pallida* Fallen, 1820 (Vikhrev et al., 2020b)
501. *Sepedon sphegea* Fabricius, 1775 (Vikhrev et al., 2020b)
502. *Sepedon spinipes* Scopoli, 1763 (Vikhrev et al., 2020b)
503. *Tetanocera arrogans* Meigen, 1830 (Vikhrev et al., 2020b)
504. *Tetanocera elata* Fabricius, 1781 (Dvořák et al., 2020; Vikhrev et al., 2020b)
505. *Tetanocera ferruginea* Fallen, 1820 (Dvořák et al., 2020; Vikhrev et al., 2020b)
506. *Tetanocera freyi* Stackelberg, 1963 (Dvořák et al., 2020)
507. *Tetanocera hyalipennis* von Roser, 1840 (Vikhrev et al., 2020b)
508. *Tetanocera robusta* Loew, 1847 (Vikhrev et al., 2020b)
509. *Trypetoptera punctulata* Scopoli, 1763 (Feoktistov, 2011; Vikhrev et al., 2020b)

Family Sepsidae

510. *Sepsis cynipsea* (Linnaeus, 1758) (Plavilshchikov, 1964)
511. *Sepsis fulgens* Meigen, 1826 (Feoktistov, 2011)
512. *Sepsis luteipes* Melander & Spuler, 1917 (Plavilshchikov, 1964, as *Sepsis lamellifera*)

Superfamilia Clusioidea

Family Clusiidae

513. *Clusia tigrina* (Fallén, 1820) (Dvořák et al., 2020)

Superfamilia Agromyzoidea

Family Agromyzidae

514. *Agromyza albipennis* Meigen, 1830 (Timraleev, 1992)
515. *Agromyza abbreviata* Malloch, 1913 (Timraleev, 1992, as *Agromyza nigrella*)
516. *Agromyza rondensis* Strobl, 1900 (Timraleev, 1992)
517. *Cerodontha denticornis* (Panzer, 1806) (Timraleev, 1992)
518. *Cerodontha morosa* (Meigen, 1830) (Plavilshchikov, 1964, as *Dizygomyza morosa*)
519. *Phytomyza fuscula* Zetterstedt, 1838. (Timraleev, 1992)
520. *Phytomyza atricornis* Meigen, 1838 (Antsiferova and Makarov, 1970)
521. *Liriomyza cicerina* (Rondani, 1875) (Plavilshchikov, 1964)

522. *Liriomyza congesta* (Becker, 1903) (Antsiferova and Makarov, 1970)

523. *Pseudonapomyza atra* (Meigen, 1830) (Timraleev, 1992)

Superfamilia Carnoidea

Family Chloropidae

524. *Chlorops laetus* Meigen, 1830 (Plavilshchikov, 1964)

525. *Chlorops pumilionis* (Bjerkander, 1778) (Plavilshchikov, 1964, as *Chlorops taeniopus*; Timraleev, 1992)

526. *Chlorops ringens* Loew, 1866 (Plavilshchikov, 1964)

527. *Chlorops rufinus* (Zetterstedt, 1848) (Plavilshchikov, 1964)

528. *Chlorops scalaris* Meigen, 1830 (Plavilshchikov, 1964)

529. *Chlorops nasutus* (Schränk, 1781) (Plavilshchikov, 1964)

530. *Chlorops geminatus* Meigen, 1830. (Plavilshchikov, 1964)

531. *Thaumatomyia notata* (Meigen, 1830) (Plavilshchikov, 1964, as *Chlorops notata*)

532. *Lasiosina cinctipes* (Meigen, 1830) (Plavilshchikov, 1964; Timraleev, 1992)

533. *Meromyza saltatrix* (Linnaeus, 1761) (Plavilshchikov, 1964)

534. *Meromyza pratorum* Meigen, 1830 (Plavilshchikov, 1964)

535. *Meromyza nigriventris* Macquart, 1835 (Timraleev, 1992)

536. *Lasiosina cinctipes* (Meigen, 1830) (Plavilshchikov, 1964)

537. *Aphanotrigonum trilineatum* (Meigen, 1830) (Timraleev, 1992)

538. *Incertella albipalpis* (Meigen, 1830) (Timraleev, 1992, as *Trichodiplosis albipalpis*)

539. *Oscinisoma cognatum* (Meigen, 1830) (Plavilshchikov, 1964)

540. *Oscinella frit* (Linnaeus, 1758) (Plavilshchikov, 1964; Timraleev, 1992)

541. *Oscinella nitidissima* (Meigen, 1838) (Plavilshchikov, 1964)

542. *Oscinella pusilla* (Meigen, 1830) (Timraleev, 1992; Timraleev and Bardin, 2000)

543. *Elaschiptera tuberculifera* (Corti, 1909) (Timraleev, 1992)

544. *Eutropha variegata* Loew, 1866 (Plavilshchikov, 1964, as *Chlorops variegata*)

545. *Tricimba cincta* (Meigen, 1830) (Plavilshchikov, 1964, as *Natonaulax cincta*)

546. *Aphanotrigonum trilineatum* (Meigen, 1830) Plavilshchikov, 1964, as *Natonaulax trilineata*)

547. *Lasiambia palposa* (Fallen, 1820) (Plavilshchikov, 1964, as *Siphonella palposa*)

Superfamilia Sphaeroceroidea

Family Heleomyzidae

548. *Heleomyza serrata* (Linnaeus 1758) (Plavilshchikov, 1964)

Superfamilia Ephydroidea

Family Ephydridae

549. *Coenia curvicauda* (Meigen, 1830) (MacGowan et al., 2021)
550. *Coenia palustris* (Fallen, 1823) (MacGowan et al., 2021)
551. *Dichaeta caudata* (Fallen, 1813) (MacGowan et al., 2021)
552. *Discocerina obscurella* (Fallen, 1813) (MacGowan et al., 2021)
553. *Ephydra scholtzi* Becker, 1896 (MacGowan et al., 2021)
554. *Hyadina rufipes* (Meigen, 1830) (MacGowan et al., 2021)
555. *Hydrellia griseola* (Fallen, 1813) (MacGowan et al., 2021)
556. *Hydrellia obscura* (Meigen, 1830) (MacGowan et al., 2021)
557. *Notiphila brunipes* (Robineau-Desvoidy, 1830) (MacGowan et al., 2021)
558. *Notiphila dorsata* Stanhammar, 1844 (MacGowan et al., 2021)
559. *Notiphila riparia* Meigen, 1830 (MacGowan et al., 2021)
560. *Ochthera mantis* (DeGeer, 1776) (MacGowan et al., 2021)
561. *Paracoenia fumosa* (Stanhammar, 1844) (MacGowan et al., 2021)
562. *Parydra aquila* (Fallen, 1813) (MacGowan et al., 2021)
563. *Psilopa compta* (Meigen, 1830) (Plavilshchikov, 1964)
564. *Psilopa nigritella* Stanhammar, 1844 (MacGowan et al., 2021)
565. *Psilopa polita* (Macquart, 1835) (Plavilshchikov, 1964; MacGowan et al., 2021)
566. *Scatella obsoleta* Loew, 1861 (MacGowan et al., 2021)
567. *Scatella paludum* (Meigen, 1830) (MacGowan et al., 2021)
568. *Scatella tenuicosta* Collin, 1930 (MacGowan et al., 2021)
569. *Setacera micans* (Haliday, 1833) (MacGowan et al., 2021)
570. *Setacera trina* Collin, 1963 (MacGowan et al., 2021)

Section Calyptrata

Superfamilia Hippoboscoidea

Family Hippoboscidae

571. *Ornithomya avicularia* (Linnaeus, 1758) (Redikortsev, 1938; Plavilshchikov, 1964)
572. *Ornithomya chloropus* Bergroth, 1901 (Redikortsev, 1938; Plavilshchikov, 1964)

Superfamilia Muscoidea

Family Scathophagidae

573. *Cleigastra apicalis* (Meigen, 1826) (MacGowan et al., 2021)
574. *Cleigastra leucostoma* (Zetterstedt, 1846) (MacGowan et al., 2021)
575. *Cleigastra pilosa* (Zetterstedt, 1838) (MacGowan et al., 2021)
576. *Cordilura albilabris* (Fabricius, 1805) (MacGowan et al., 2021)
577. *Cordilura albipes* (Fallén, 1819) (MacGowan et al., 2021)
578. *Cordilura atrata* (Zetterstedt, 1846) (MacGowan et al., 2021)

- 579. *Cordilura impudica* (Rondani, 1867) (MacGowan et al., 2021)
- 580. *Cordilura picipes* (Meigen, 1826) (MacGowan et al., 2021)
- 581. *Cordilura rufipes* (Meigen, 1826) (MacGowan et al., 2021)
- 582. *Norellisoma spinimanum* (Fallén, 1819) (MacGowan et al., 2021)
- 583. *Scathophaga furcata* (Say, 1823) (MacGowan et al., 2021)
- 584. *Scathophaga inquinata* (Meigen, 1826) (MacGowan et al., 2021)
- 585. *Scathophaga stercoraria* Linnaeus, 1758 (Plavilshchikov, 1964; MacGowan et al., 2021)
- 586. *Scathophaga spurca* (Meigen, 1826)
- 587. *Scatomyza scybalaria* Linnaeus, 1758 (MacGowan et al., 2021)
- 588. *Trichopalpus fraternus* (Meigen, 1826) (MacGowan et al., 2021)
- 589. *Trichopalpus punctipes* (Meigen, 1826) (MacGowan et al., 2021)

Family Anthomyiidae

- 590. *Anthomyia pluvialis* (Linnaeus, 1758) (Feoktistov, 2011)
- 591. *Delia antiqua* (Meigen, 1826) (Feoktistov, 2011)
- 592. *Delia coarctata* (Fallen, 1825) (Timraleev, 1992, as *Hylemyia coarctata*)
- 593. *Delia criniventris* (Zetterstedt, 1860) (Plavilshchikov, 1964, as *Chortophila criniventris*)
- 594. *Delia platura* (Meigen, 1826) (Timraleev, 1992)
- 595. *Hylemyia vagans* (Panzer, 1798) (Plavilshchikov, 1964, as *Hylemyia strigosa*)
- 596. *Pegomyia bicolor* (Wiedemann, 1817) (Antsiferova and Dobrosmyslov, 1966)
- 597. *Phorbia fumigata* (Meigen, 1826) (Timraleev, 1992, as *Phorbia secures*)
- 598. *Phorbia genitalis* (Schnabl, 1911) (Timraleev, 1992)

Family Fanniidae

- 599. *Fannia armata* Meigen, 1826 (Vikhrev et al., 2020b)
- 600. *Fannia canicularis* Linnaeus, 1761 (Vikhrev et al., 2020b)
- 601. *Fannia corvina* Verrall, 1892 (Vikhrev et al., 2020b)
- 602. *Fannia fuscula* Fallen, 1825 (Vikhrev et al., 2020b)
- 603. *Fannia genualis* Stein, 1895 (Vikhrev et al., 2020b)
- 604. *Fannia incisurata* Zetterstedt, 1838 (Vikhrev et al., 2020b)
- 605. *Fannia lustrator* Harris, 1780 (Vikhrev et al., 2020b)
- 606. *Fannia manicata* Meigen, 1826 (Vikhrev et al., 2020b)
- 607. *Fannia metallipennis* Zetterstedt, 1838 (Vikhrev et al., 2020b)
- 608. *Fannia monilis* Haliday, 1838 (Vikhrev et al., 2020b)
- 609. *Fannia parva* Stein, 1895 (Vikhrev et al., 2020b)
- 610. *Fannia pauli* Pont, 1997 (Vikhrev et al., 2020b)
- 611. *Fannia polychaeta* Stein, 1895 (Vikhrev et al., 2020b)
- 612. *Fannia posticata* Meigen, 1826 (Vikhrev et al., 2020b)
- 613. *Fannia rondanii* Strobl, 1893 (Vikhrev et al., 2020b)
- 614. *Fannia scalaris* Fabricius, 1794 (Vikhrev et al., 2020b)
- 615. *Fannia serena* Fallen, 1825 (Vikhrev et al., 2020b)
- 616. *Fannia similis* (Stein, 1895) (Vikhrev et al., 2020b)

617. *Fannia sociella* Zetterstedt, 1845 (Vikhrev et al., 2020b)
618. *Fannia spathiophora* Malloch, 1918 (Vikhrev et al., 2020b)
619. *Fannia umbrosa* Stein, 1895 (Vikhrev et al., 2020b)
620. *Fannia vespertilionis* Ringdahl, 1934 (Vikhrev et al., 2020b)
621. *Piezura graminicola* Zetterstedt, 1846 (Vikhrev et al., 2020b)

Family Muscidae

622. *Achanthiptera rohrelliformis* Robineau-Desvoidy, 1830 (Vikhrev et al., 2020b)
623. *Azelia aterrima* Meigen, 1826 (Vikhrev et al., 2020b)
624. *Azelia cilipes* Haliday, 1838 (Vikhrev et al., 2020b)
625. *Azelia gibbera* Meigen, 1826 (Vikhrev et al., 2020b)
626. *Azelia monodactyla* Loew, 1874 (Vikhrev et al., 2020b)
627. *Azelia nebulosa* Robineau-Desvoidy, 1830 (Vikhrev et al., 2020b)
628. *Azelia trigonica* Hennig, 1956 (Vikhrev et al., 2020b)
629. *Azelia zetterstedtii* Rondani, 1866 (Vikhrev et al., 2020b)
630. *Coenosia agromyzina* Fallen, 1825 (Vikhrev et al., 2020b)
631. *Coenosia atra* Meigen, 1830 (Vikhrev et al., 2020b)
632. *Coenosia humilis* Meigen, 1826 (Vikhrev et al., 2020b)
633. *Coenosia lineatipes* Zetterstedt, 1845 (Vikhrev et al., 2020b)
634. *Coenosia mollicula* Fallen, 1825 (Vikhrev et al., 2020b)
635. *Coenosia pudorosa* Collin, 1953 (Vikhrev et al., 2020b)
636. *Coenosia pumila* Fallen, 1825 (Vikhrev et al., 2020b)
637. *Coenosia pygmaea* Zetterstedt, 1845 (Vikhrev et al., 2020b)
638. *Coenosia rufipalpis* Meigen, 1826 (Vikhrev et al., 2020b)
639. *Coenosia strigipes* Stein, 1916 (Vikhrev et al., 2020b)
640. *Coenosia testacea* Robineau-Desvoidy, 1830 (Vikhrev et al., 2020b)
641. *Coenosia trilineela* Zetterstedt, 1838 (Vikhrev et al., 2020b)
642. *Coenosia verralli* Collin, 1953 (Vikhrev et al., 2020b)
643. *Drymeia vicana* Harria, 1780 (Vikhrev et al., 2020b)
644. *Eginia ocypterata* Meigen, 1826 (Vikhrev et al., 2020b)
645. *Eudasyphora cyanicolor* Zetterstedt, 1845 (Vikhrev et al., 2020b)
646. *Graphomya maculata* Scopoli, 1763 (Vikhrev et al., 2020b)
647. *Gymnodia humilis* Zetterstedt, 1860 (Vikhrev et al., 2020b)
648. *Gymnodia polystigma* Meigen, 1826 (Plavilshchikov, 1964, as *Limnophora polystigma*)
649. *Haematobia irritans* Linnaeus, 1758 (Vikhrev et al., 2020b)
650. *Haematobosca stimulans* Meigen, 1824 (Plavilshchikov, 1964)
651. *Hebecnema umbratica* Meigen, 1826 (Vikhrev et al., 2020b)
652. *Hebecnema vespertina* Fallen, 1823 (Vikhrev et al., 2020b)
653. *Helina confinis* Fallen, 1825 (Vikhrev et al., 2020b)
654. *Helina cothurnata* Rondani, 1866 (Vikhrev et al., 2020b)
655. *Helina depuncta* Fallen, 1825 (Vikhrev et al., 2020b)
656. *Helina evecta* Harris, 1780 (Vikhrev et al., 2020b)
657. *Helina impuncta* Fallen, 1825 (Vikhrev et al., 2020b)

- 658. *Helina maculipennis* Zetterstedt, 1845 (Vikhrev et al., 2020b)
- 659. *Helina obscurata* Meigen, 1826 (Vikhrev et al., 2020b)
- 660. *Helina pertusa* Meigen, 1826 (Vikhrev et al., 2020b)
- 661. *Helina setiventris* Ringdahl, 1924 (Vikhrev et al., 2020b)
- 662. *Helina sexmaculata* Preyssler, 1791 (Vikhrev et al., 2020b)
- 663. *Helina tetrastigma* Meigen, 1826 (Vikhrev et al., 2020b)
- 664. *Helina trivittata* Zetterstedt, 1860 (Vikhrev et al., 2020b)
- 665. *Hydrotaea (Ophyra) aenescens* Wiedemann, 1830 (Vikhrev et al., 2020b)
- 666. *Hydrotaea (Ophyra) capensis* Wiedemann, 1818 (Vikhrev et al., 2020b)
- 667. *Hydrotaea (Ophyra) ignava* Harris, 1780 (Vikhrev et al., 2020b)
- 668. *Hydrotaea armipes* Fallen, 1825 (Vikhrev et al., 2020b)
- 669. *Hydrotaea borussica* Stein, 1899 (Vikhrev et al., 2020b)
- 670. *Hydrotaea cyrtoneurina* Zetterstedt, 1845 (Vikhrev et al., 2020b)
- 671. *Hydrotaea dentipes* Fabricius, 1805 (Vikhrev et al., 2020b)
- 672. *Hydrotaea diabolus* Harris, 1780 (Vikhrev et al., 2020b)
- 673. *Hydrotaea floccosa* Macquart, 1835 (Vikhrev et al., 2020b)
- 674. *Hydrotaea glabricula* Fallen, 1825 (Vikhrev et al., 2020b)
- 675. *Hydrotaea irritans* Fallen, 1823 (Vikhrev, 2013; Vikhrev et al., 2020b)
- 676. *Hydrotaea meteorica* Linnaeus, 1758 (Vikhrev et al., 2020b)
- 677. *Hydrotaea militaris* Meigen, 1826 (Vikhrev et al., 2020b)
- 678. *Hydrotaea palaestrica* Meigen, 1826 (Vikhrev et al., 2020b)
- 679. *Hydrotaea pandellei* Stein, 1899 (Vikhrev et al., 2020b)
- 680. *Hydrotaea parva* Meade, 1889 (Vikhrev et al., 2020b)
- 681. *Hydrotaea pellucens* Porchinskiy, 1879 (Vikhrev et al., 2020b)
- 682. *Hydrotaea pilipes* Stein, 1903 (Vikhrev et al., 2020b)
- 683. *Hydrotaea similis* Meade, 1887 (Vikhrev et al., 2020b)
- 684. *Hydrotaea tuberculata* Rondani, 1866 (Vikhrev et al., 2020b)
- 685. *Hydrotaea velutina* Robineau-Desvoidy, 1830 (Vikhrev et al., 2020b)
- 686. *Limnophora maculosa* Meigen, 1826 (Vikhrev et al., 2020b)
- 687. *Limnophora pollinifrons* Stein, 1916 (Vikhrev et al., 2020b)
- 688. *Limnophora riparia* Fallen, 1824 (Vikhrev et al., 2020b)
- 689. *Limnophora tigrina* Am Stein, 1860 (Vikhrev et al., 2020b)
- 690. *Limnophora triangula* Fallen, 1825 (Vikhrev et al., 2020b)
- 691. *Lispe consanguinea* Loew, 1858 (Vikhrev et al., 2020b)
- 692. *Lispe melaleuca* Loew, 1847 (Vikhrev et al., 2020b)
- 693. *Lispe nana* Macquart, 1835 (Vikhrev et al., 2020b)
- 694. *Lispe pygmaea* Fallen, 1825 (Vikhrev et al., 2020b)
- 695. *Lispe superciliosa* Loew, 1861 (Vikhrev et al., 2020b)
- 696. *Lispe tentaculata* De Geer, 1776 (Vikhrev et al., 2020b)
- 697. *Lispocephala alma* Meigen, 1826 (Vikhrev et al., 2020b)
- 698. *Lispocephala erythrocerata* Robineau-Desvoidy, 1830 (Vikhrev et al., 2020b)
- 699. *Lispocephala verna* Fabricius, 1794 (Vikhrev et al., 2020b)
- 700. *Mesembrina meridiana* Linnaeus, 1758 (Feoktistov, 2011; Vikhrev et al., 2020b)

701. *Mesembrina mystacea* Linnaeus, 1758 (Plavilshchikov, 1964; Vikhrev et al., 2020b)
702. *Morellia aenescens* Robineau-Desvoidy, 1830 (Vikhrev et al., 2020b)
703. *Morellia podagrica* Loew, 1857 (Vikhrev et al., 2020b)
704. *Musca autumnalis* De Geer, 1776 (Plavilshchikov, 1964, as *M. corvine*; Vikhrev et al., 2020b)
705. *Musca domestica* Linnaeus, 1758 (Plavilshchikov, 1964; Vikhrev et al., 2020b)
706. *Musca tempestiva* Fallen, 1817 (Plavilshchikov, 1964)
707. *Muscina levida* Harris, 1780 (Plavilshchikov, 1964, as *M. assimilis*; Vikhrev et al., 2020b)
708. *Muscina pascuorum* Meigen, 1826 (Vikhrev et al., 2020b)
709. *Muscina stabulans* Fallen, 1817 (Vikhrev et al., 2020b)
710. *Mydaea affinis* Meade, 1891 (Vikhrev et al., 2020b)
711. *Mydaea ancilla* Meigen, 1826 (Vikhrev et al., 2020b)
712. *Mydaea corni* Scopoli, 1763 (Vikhrev et al., 2020b)
713. *Mydaea electa* Zetterstedt, 1860 (Vikhrev et al., 2020b)
714. *Mydaea humeralis* Robineau-Desvoidy, 1830 (Vikhrev et al., 2020b)
715. *Mydaea nebulosa* Stein, 1893 (Vikhrev et al., 2020b)
716. *Mydaea nubila* Stein, 1916 (Vikhrev et al., 2020b)
717. *Mydaea orthonevra* Macquart, 1835 (Vikhrev et al., 2020b)
718. *Mydaea setifemur* Ringdahl, 1924 (Vikhrev et al., 2020b)
719. *Mydaea urbana* Meigen, 1826 (Vikhrev et al., 2020b)
720. *Myospila meditabunda* Fabricius, 1781 (Vikhrev et al., 2020b)
721. *Neomyia cornicina* Fabricius, 1781 (Plavilshchikov, 1964, as *Cryptolucilia caesarion*)
722. *Neomyia viridescens* Robineau-Desvoidy, 1830 (Vikhrev et al., 2020b)
723. *Phaonia aeneiventris* Zetterstedt, 1845 (Vikhrev et al., 2020b)
724. *Phaonia angelicae* Scopoli, 1763 (Vikhrev et al., 2020b)
725. *Phaonia canescens* Stein, 1916 (Vikhrev et al., 2020b)
726. *Phaonia cincta* Zetterstedt, 1846 (Vikhrev et al., 2020a)
727. *Phaonia errans* Meigen, 1826 (Vikhrev et al., 2020b)
728. *Phaonia falleni* Michelsen, 1977 (Vikhrev et al., 2020b)
729. *Phaonia fuscata* Fallen, 1825 (Vikhrev et al., 2020b)
730. *Phaonia gobertii* Mik, 1881 (Vikhrev et al., 2020b)
731. *Phaonia incana* Wiedemann, 1817 (Vikhrev et al., 2020b)
732. *Phaonia kowarzii* Schnabl, 1887 (Vikhrev et al., 2020b)
733. *Phaonia laeta* Fallen, 1823 (Vikhrev et al., 2020b)
734. *Phaonia magnicornis* Zetterstedt, 1845 (Vikhrev et al., 2020b)
735. *Phaonia nymphaearum* Robineau-Desvoidy, 1830
736. *Phaonia pallida* Fabricius, 1787 (Vikhrev et al., 2020b)
737. *Phaonia palpata* Stein, 1897 (Vikhrev et al., 2020b)
738. *Phaonia rufiventris* Scopoli, 1763 (Vikhrev et al., 2020b)
739. *Phaonia serva* Meigen, 1826 (Vikhrev et al., 2020b)

740. *Phaonia subventa* Harris, 1780 (Vikhrev et al., 2020b)
741. *Phaonia tiefii* Schnabl, 1888 (Vikhrev et al., 2020b)
742. *Phaonia tuguriorum* Scopoli, 1763 (Vikhrev et al., 2020b)
743. *Phaonia valida* Harris, 1780 (Vikhrev et al., 2020b)
744. *Phaonia zugmayeriae* Schnabl, 1888 (Vikhrev et al., 2020b)
745. *Polietes domitor* Harris, 1780 (Vikhrev et al., 2020b)
746. *Polietes lardarius* Fabricius, 1781 (Vikhrev et al., 2020b)
747. *Polietes steinii* Ringdahl, 1913 (Vikhrev et al., 2020b)
748. *Potamia littoralis* Robineau-Desvoidy, 1830 (Vikhrev et al., 2020b)
749. *Pyrellia rapax* Harris, 1780 (Vikhrev et al., 2020b)
750. *Pyrellia vivida* Robineau-Desvoidy, 1830 (Feoktistov, 2011, as *P. cadaverina*)
751. *Schoenomyza litorella* Fallen, 1823 (Vikhrev et al., 2020b)
752. *Spilogona aerea* Fallen, 1825 (Plavilshchikov, 1964, as *Limnophora aerea*)
753. *Spilogona contractifrons* Zetterstedt, 1838 (Vikhrev et al., 2020b)
754. *Spilogona depressula* Zetterstedt, 1845 (Vikhrev et al., 2020b)
755. *Spilogona surda* Zetterstedt, 1845 (Vikhrev et al., 2020b)
756. *Stomoxys calcitrans* Linnaeus, 1758 (Plavilshchikov, 1964; Vikhrev et al., 2020b)
757. *Thricops cunctans* Meigen, 1826 (Vikhrev et al., 2020b)
758. *Thricops nigrifrons* Robineau-Desvoidy, 1830 (Vikhrev et al., 2020b)
759. *Thricops nigrifrons* Zetterstedt, 1838 (Vikhrev et al., 2020b)
760. *Thricops semicinereus* Wiedemann, 1817 (Vikhrev et al., 2020b)
761. *Thricops simplex* Wiedemann, 1817 (Vikhrev et al., 2020b)
762. *Thricops sudeticus* Schnabl, 1888 (Vikhrev et al., 2020b)

Superfamilia Oestroidea

Family Calliphoridae

763. *Calliphora vicina* Robineau-Desvoidy, 1830 (Plavilshchikov, 1964, as *Calliphora erythrocephala*)
764. *Calliphora vomitoria* (Linnaeus, 1758) (Feoktistov, 2011)
765. *Cynomya mortuorum* (Linnaeus, 1761) (Plavilshchikov, 1964)
766. *Eurychaeta muscaria* (Meigen, 1826) (Dobrosmyslov, 1970, as *Helicobosta muscaria*)
767. *Lucilia caesar* (Linnaeus, 1758) (Plavilshchikov, 1964)
768. *Onesia sepulcralis* Meigen, 1826 (Plavilshchikov, 1964)
769. *Pollenia rudis* (Fabricius, 1794) (Plavilshchikov, 1964)
770. *Pollenia vespillo* (Fabricius, 1794) (Plavilshchikov, 1964)
771. *Protophormia terraenovae* (Robineau-Desvoidy, 1830) (Feoktistov, 2011)

Family Sarcophagidae

772. *Blaesoxipha erythrura* (Meigen, 1826) (Plavilshchikov, 1964)
773. *Blaesoxipha grisea* (Meigen, 1826) (Plavilshchikov, 1964, as *Blaesoxipha lineata*)
774. *Ravinia haematodes* (Meigen, 1824) (Plavilshchikov, 1964)

775. *Sarcophaga carnaria* (Linnaeus, 1758) (Plavilshchikov, 1964)
 776. *Sarcophaga melanura* Meigen, 1826 (Plavilshchikov, 1964)
 777. *Sarcophaga sexpunctata* (Fabricius, 1805) (Plavilshchikov, 1964, as *Sarcophaga clathrata*)
 778. *Mesomelena mesomelaena* (Loew, 1848) (Plavilshchikov, 1964)

Family Tachinidae

779. *Aphria longirostris* (Meigen, 1824) (Plavilshchikov, 1964)
 780. *Belida angelicae* (Meigen, 1824) (Dobrosmyslov, 1970, *Ceromasia angllica*)
 781. *Blondelia nigripes* (Fallen, 1810) (Plavilshchikov, 1964, as *Ceromasia nigripes*; Dobrosmyslov, 1970)
 782. *Carcelia falenaria* (Rondani, 1859) (Feoktistov, 2011, as *Carcellia phalaenaria*)
 783. *Carcelia lucorum* (Meigen, 1824) (Dobrosmyslov, 1970)
 784. *Cestonia cineraria* Rondani, 1861 (Dobrosmyslov, 1970)
 785. *Cylindromyia auriceps* (Meigen, 1838) (Dobrosmyslov, 1976)
 786. *Cylindromyia brassicaria* (Fabricius, 1775) (Redikortsev, 1938; Plavilshchikov, 1964; Dobrosmyslov, 1976)
 787. *Cylindromyia interrupta* (Meigen, 1824) (Plavilshchikov, 1964)
 788. *Dexiosoma canina* (Fabricius, 1781) (Feoktistov, 2011, as *Dexiosoma caninum*)
 789. *Dinera carinifrons* (Fallen, 1816) (Plavilshchikov, 1964, as *Myiocera carinifrons*)
 790. *Drino gilva* (Hartig, 1837) (Dobrosmyslov, 1970, as *Sturmia gilva*)
 791. *Drino inconspicua* (Meigen, 1830) (Dobrosmyslov, 1970, *Sturmia inconspigus*)
 792. *Ectophasia crassipennis* (Fabricius, 1794) (Feoktistov, 2011, as *Phasia crassipennis*)
 793. *Ectophasia crassipennis* (Fabricius, 1794) (Timraliev and Bardin, 2003, as *Phasia rostrata*; Red data book..., 2005, as *Phasia crassipennis*)
 794. *Ectophasia oblonga* (Robineau-Desvoidy, 1830) (Timraliev and Bardin, 2003, as *Phasia rubra*)
 795. *Eliezeta helluo* (Fabricius, 1805) (Dobrosmyslov, 1976, as *Clytiomyia helluo*; Timraliev and Bardin, 2003)
 796. *Elomya lateralis* (Meigen, 1824) (Dobrosmyslov, 1976, *Helomyia lateralis*)
 797. *Eriothrix rufomaculata* (De Geer, 1776) (Plavilshchikov, 1964)
 798. *Eumea linearicornis* (Zetterstedt, 1844) (Dobrosmyslov, 1970, as *Exorista westermanni*)
 799. *Exorista larvarum* (Linnaeus, 1758) (Plavilshchikov, 1964, as *Larvivora larvarum*; Antsiferova et al., 1966; Dobrosmyslov, 1970)
 800. *Gonia capitata* (De Geer, 1776) (Dobrosmyslov, 1970, as *Salmacia capitata*)
 801. *Gymnosoma nitens* Meigen, 1824 (Dobrosmyslov, 1976)
 802. *Gymnosoma rotundata* (Linnaeus, 1758) (Plavilshchikov, 1964; Dobrosmyslov, 1976)
 803. *Gymnosoma rotundatum* (Linnaeus, 1758) (Feoktistov, 2011)

804. *Linnaemyia haemorrhoidalis* (Fallen, 1810) (Plavilshchikov, 1964)
805. *Macquartia tenebricosa* (Meigen, 1824) (Plavilshchikov, 1964, as *Macquartia nitida*)
806. *Meigenia incana* (Fallén, 1810) (Dobrosmyslov, 1970)
807. *Nemorilla floralis* (Fallen, 1810) (Dobrosmyslov, 1970, as *Thyella floralis*)
808. *Oswaldia muscaria* (Fallen, 1810) (Dobrosmyslov, 1970, as *Ceromasia sordidissima*)
809. *Peleteria rubescens* Robineau-Desvoidy, 1830 (Plavilshchikov, 1964, as *Peletieria nigricornis*; Antsiferova et al., 1966; Antsiferova, 1979; Ruchin et al., 2007; Ruchin, 2008)
810. *Peteina erinaceus* (Fabricius, 1794) (Plavilshchikov, 1964)
811. *Phasia hemiptera* (Fabricius, 1794) (Feoktistov, 2011, as *Alophora hemiptera*)
812. *Phryxe vulgaris* (Fallen, 1810) (Plavilshchikov, 1964; Dobrosmyslov, 1970)
813. *Pseudogonia rufifrons* (Wiedemann, 1830) (Dobrosmyslov, 1970, as *Pseudogonia cinerescens*)
814. *Siphona geniculata* (De Geer, 1776) (Dobrosmyslov, 1970, as *Bucentes geniculatus*)
815. *Solieria pacifica* (Meigen, 1824) (Plavilshchikov, 1964, as *Myiobia tibialis*)
816. *Tachina fera* (Linnaeus, 1761) (Plavilshchikov, 1964; Antsiferova, 1979; Ruchin et al., 2007; Ruchin, 2008)
817. *Tachina grossa* (Linnaeus, 1758) (Plavilshchikov, 1964; Red data book..., 2005)
818. *Tachina magnicornis* (Zetterstedt, 1844) (Plavilshchikov, 1964)
819. *Zophomyia temula* (Scopoli, 1763) (Plavilshchikov, 1964)

Family Oestridae

820. *Oestrus ovis* Linnaeus, 1758 (Plavilshchikov, 1964)

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