

Checklist of Turkish Tachinidae (Insecta, Diptera) with New Records

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ABSTRACT

A checklist of the Turkish Tachinidae, with a total of 341 species is presented for the first time. The subfamily Exoristinae, with 139 species, has the highest representativeness, while the other subfamilies, Tachininae, Phasiinae and Dexiinae, with 91, 63 and 48 species, respectively. Among them, eight species are newly recorded for the Turkish Tachinidae fauna. These species are *Exorista deligata* Pandellé, 1896, *Lecanipa leucomelas* (Meigen, 1824), *Lomachantha rufitarsis* Villeneuve, 1912, *Nowickia ferox* (Panzer, 1809), *Germaia ruficeps* (Fallén, 1820), *Solieria vacua* (Rondani, 1861), *Eriothrrix argyreata* (Meigen, 1824) and *Opesia grandis* (Egger, 1860). The informative label data of newly recorded species was also provided.

Key words: Diptera, Tachinidae, checklist, new records, Turkey

INTRODUCTION

The Tachinidae are among the largest families of Diptera with currently about 8540 known valid species worldwide and more than 2100 described species in the Palaearctic region (O'Hara, Henderson, & Wood, 2019). The family Tachinidae, comprising important biological control agents, has ecologic and economic importance in agriculture and forestry because all the species in this family act as parasitoids of insects and several other arthropods (Mellini, 1990; Stireman, O'Hara, & Wood, 2006). The most common hosts are larvae of Lepidoptera that feed on foliage, but tachinids also attack a range of other insect orders, especially Heteroptera (adults and nymphs), Coleoptera (larvae and adults) and Hymenoptera (Symphyta larvae) (Wood, 1987). However, the hosts of many tachinid species are still unknown. Herting (1960) provided details on the biology of West Palaearctic species. Other detailed information on West Palaearctic hosts can be found in Tschorsnig and Herting (1994), Kara & Tschorsnig (2003), Vaňhara, Tschorsnig, Herting, Mückstein, & Michalková (2009), and Cerretti and Tschorsnig (2010). Recently, the most comprehensive catalogue about Palaearctic hosts was prepared by Tschorsnig (2017). It comprises 827 tachinid species reared from 2672 arthropod hosts belonging to eleven insect orders and one chilopod order.

A few detailed researches have been carried out on determining hosts of tachinids in Turkey. The studies which have the largest scope are Doğanlar (1975), Kara (1998) and Atay (2011). In addition, Öncüler (1991) has prepared a parasite and predator catalogue of plant pests in Turkey and gives a separate chapter for tachinids. Kara & Tschorsnig (2003) and Kara, Atay, & Balkan (2014) have prepared a comprehensive catalogue containing tachinid/hosts couples identified in Turkey.

The Turkish tachinid fauna is not known in detail. The majority of the regions have not yet been studied. However, some important studies were provided (Doğanlar, 1982a; 1982b; Kara, 1999a; 1999b; 2001a; 2001b; Kara, 2002; Kara & Alaoğlu, 2002; Korkmaz, 2007; Kara, Korkmaz, & Kırıkoğlu, 2010; Atay & Kara 2014; Balkan, Kara, & Atay, 2015; Lakin, Kara, & Atay, 2016b; Atay, 2017). Finally, Lutovinovas et al (2018) listed 139 tachinid species from southwestern Turkey, 52 of them being the first new records for Turkey. Further investigations are necessary to understand the species diversity in Turkey. This checklist was compiled to provide a reference for future studies.

MATERIAL AND METHODS

This checklist of Turkish Tachinidae is based on records of both old and recent literature. All relevant papers from 1930 to 2019 have been examined. The arrangement and (mostly) the nomenclature of tachinids follows Herting & Dely-Draskovits (1993). For some records, O'Hara, Henderson, & Wood (2019) was taken as reference. Several errors in previous papers have been corrected. Particular emphasis is given to species whose type locality is Turkey. The new records were identified using the keys of Mesnil (1944-1965), Mesnil (1980), Tschorsnig and Herting (1994) and Tschorsnig and Richter (1998).

RESULTS

Subfamily Exoristinae (139 species)

Exorista amoena Mesnil, 1960: Özbek & Çoruh 2012.

Exorista larvarum (Linnaeus, 1758): Doğanlar, 1982a; Herting, 1983b; Kansu, Kılınçer, Uğur, & Gürkan, 1986; Çobanoğlu, 1994; Tuncer & Ecevit, 1996; Tschorsnig & Herting, 1997; Kara, 1998; Anay, 2000; Kara & Özdemir, 2000; Tschorsnig, 2005; Kara, Gözüaçık, & Mart, 2007; Korkmaz 2007; Kaya & Kornoşor, 2008; Gözüaçık, Mart, & Kara, 2009; Özbek & Çoruh, 2012; Lutovinovas et al, 2018.

Exorista rossica Mesnil, 1960: Doğanlar, 1975; 1982a; Herting, 1983b; Herting & Dely-Draskovits, 1993; Kılıç & Alaoğlu, 1996; Kara & Alaoğlu, 2001; Sertkaya & Bayram, 2005.

Exorista segregata (Rondani, 1859): Schimitschek, 1944; Herting, 1960; 1983b; Gürses, 1975; Doğanlar, 1982a; Herting, 1983b; Kılıç & Alaoğlu, 1996; Kansu et al, 1986; Kara & Alaoğlu, 2001; Avcı & Kara, 2002; Avcı & Oğurlu, 2002; Mückstein, Tschorsnig, & Vaňhara, 2004; Tschorsnig, 2005; Avcı, 2009; Akdağcık, 2010; Bartsch & Tschorsnig, 2010; Atay, 2011; Özbek & Çoruh, 2012; Atay & Kara, 2014; Lutovinovas et al, 2018.

Exorista sorbillans (Wiedemann, 1830): Çobanoğlu, 1994.

Exorista nova (Rondani, 1859): Herting, 1989; Mückstein et al, 2004; Kara, 2001a; Lutovinovas et al, 2018.

Exorista civilis (Rondani, 1859): Balkan et al, 2015; Lutovinovas et al, 2018.

Exorista deligata Pandellé, 1896

Material examined: **Bartın:** Amasra-Merkez, 41°44'01"N, 32°25'14"E, 266 m, 19.07. 2012, 1♂, leg. T.ATAY, **Kastamonu:** Cide - Koçlar, 41°56'14"N, 33°06'49"E, 295 m, 19.07. 2012, 1♂, leg. T.ATAY.

This tachinid is recorded for the first time from Turkey.

Exorista kugleri Mesnil, 1960: Lutovinovas et al, 2018.

Exorista xanthaspis (Wiedemann, 1830): Steiner, 1937; Kansu, 1955; Doğanlar, 1975; Efil & Kara, 2004; Gözüaçık & Mart, 2009; Gözüaçık et al, 2009.

Exorista mimula (Meigen, 1824): Kara & Alaoğlu, 2002; Balkan et al, 2015.

Exorista rendina Herting, 1975: Aydın, 1997.

Exorista rustica (Fallén, 1810): Steiner, 1937; Kara, 2001b; Kara & Alaoğlu, 2002; Korkmaz, 2007; Lutovinovas et al, 2018.

Chetogena acuminata Rondani, 1859: Kara, 1998; Kara & Özdemir, 2000; Kara & Alaoğlu, 2001; Aksu, 2005; Lutovinovas et al, 2018.

Chetogena nigrofasciata (Strobl, 1902): Herting, 1987.

Chetogena obliquata (Fallén, 1810): Kara, 2001a; Robertson & Shaw, 2012.

Diplostichus janitrix (Hartig, 1837): Tunca, Kara, & Özkan, 2009.

Phorocera assimilis (Fallén, 1810): Lutovinovas et al, 2018.

Phorocera grandis (Rondani, 1859): Kara, 2001a; Lutovinovas et al, 2018.

Bessa parallela (Meigen, 1824): Kansu et al, 1986; Erol & Yaşar, 1996; Kara, 1998; Kara & Özdemir, 2000.

Bessa selecta (Meigen, 1824): Robertson & Shaw, 2012.

Belida angelicae (Meigen, 1824): Atay, Kara, & Özdemir, 2015; Lutovinovas et al, 2018.

Meigenia dorsalis (Meigen, 1824): Lutovinovas et al, 2018.

Meigenia incana (Fallén, 1810): Balkan, 2014; Balkan et al, 2015.

Meigenia mutabilis (Fallén, 1810): Doğanlar, 1982a; Kara, 1998; Kara, 2001b; Atay, 2018; Lutovinovas et al, 2018.

Meigenia simplex Tschorsnig & Herting, 1998: Tschorsnig & Herting, 1998; Atay, 2011; Atay & Kara, 2014; Balkan, 2014; Balkan et al, 2015; Kara & Atay, 2015.

Conogaster pruinosa (Meigen, 1824): Doğanlar, 1982a.

Zaira cinerea (Fallén, 1810): Doğanlar, 1982a; Lutovinovas et al, 2018.

Medina luctosa (Meigen, 1824): Lutovinovas et al, 2018.

Medina melania (Meigen, 1824): Kara et al, 2010.

Medina separata (Meigen, 1824): Çoruh & Kara, 2011.

Istocheta longicornis (Fallén, 1810): Lutovinovas et al, 2018.

Lecanipa leucomelas (Meigen, 1824)

Material examined: Kastamonu: Azdavay - Alacık, 41°44'48"N, 33°28'07"E, 806 m, 18.07.2012, 3♂, leg. T.ATAY.

This tachinid is recorded for the first time from Turkey.

Oswaldia muscaria (Fallén, 1810): Lekin, 2014; Lekin, Atay, & Kara, 2016a.

Lomachantha rufitarsis Villeneuve, 1912

Material examined: Van: Çatak, 16.07. 2002, 1♂, leg. K.KARA.

This tachinid is recorded for the first time from Turkey.

Ligeria angusticornis (Loew, 1847): Lutovinovas et al, 2018.

Blondelia nigripes (Fallén, 1810): Doğanlar, 1982a; Herting, 1983b; Atay, 2011; Atay & Kara, 2014; Lutovinovas et al, 2018.

Blondelia pinivora (Ratzeburg, 1844): Bergström & Bystrowski, 2011.

Remarks: Turkish specimens reared from the cedar processionary moth *Thaumetopoea* [= *Traumatocampa*] *ispartaensis* Doğanlar & Avcı, 2001, published as *Blondelia nigripes* by Avcı & Kara (2002), turned out to be *B. pinivora* after revision of Bergström & Bystrowski (2011).

Blondelia angusticornis Herting, 1987: Herting 1987. - Type locality: Hakkari-Sat Mountain.

Compsilura concinnata (Meigen, 1824): Tuatay, Kalkandelen, & Aysev Çağatay, 1972; Öncüer, Yalçın, & Erkin, 1977; Doğanlar, 1982a; Kansu et al, 1986; Eroğlu, 1995; Kılıç & Alaoğlu, 1996; Tuncer & Ecevit, 1996; Tschorsnig & Herting, 1997; Kara, 1998; Kovancı, Gencer, & Kaya, 1999; Kara & Özdemir, 2000; Oğurlu, 2000; Kara, 2001b; Kara & Alaoğlu, 2001; Avcı & Oğurlu, 2002; Avcı & Kara, 2002; Aksu, 2005; Tschorsnig, 2005; Kaya & Kornoşor, 2008; Avcı, 2009; Akdağcık, 2010; Atay, 2011; Sullivan & Ozman-Sullivan, 2012; Sullivan, Karaca, Ozman-Sullivan, & Kara, 2012; Atay & Kara, 2014; Balkan, 2014; Balkan et al, 2015; Kaya, Cengiz, Çalışkan, & Çalışkan, 2016; Lutovinovas et al, 2018; Tek & Okyar, 2018.

Vibrissina turrita (Meigen, 1824): (Yıldız, 2018).

Acemya acuticornis (Meigen, 1824): Kara et al, 2010; Atay, 2017.

Acemya fishelsoni Kugler, 1968: Herting, 1985.

Acemya rufitibia (Von Roser, 1840): Lutovinovas et al, 2018.

Ceracia mucronifera Rondani, 1865: Lutovinovas et al, 2018.

Metacemya calloti (Séguy, 1936): Öncüer, 1991; Lutovinovas et al, 2018.

Paratryphera barbatula (Rondani, 1859): Özdemir, 1981; Çanakçıoğlu, 1993; Kara, 1998; Melan & Kara, 2004; Lutovinovas et al, 2018.

Atylomyia loewii Brauer, 1898: Lutovinovas et al, 2018.

Smidtia amoena (Meigen, 1824): Lutovinovas et al, 2018.

Winthemia cruentata (Rondani, 1859): Lutovinovas et al, 2018.

Winthemia pilosa (Villeneuve, 1910): Kara, 2001a.

Winthemia quadripustulata (Fabricius, 1794): Atay et al, 2015; Lutovinovas et al, 2018.

Nemorilla floralis (Fallén, 1820): Zeki, Özdemir, & Bozkurt, 1999; Kara & Alaoğlu, 2002; Lutovinovas et al, 2018; Tek & Okyar, 2018.

Nemorilla maculosa (Meigen, 1824): Kavut, Dinçer, & Karman, 1974; Doğanlar, 1982a; Herting, 1983b; Yabaş & Zeren, 1987; Avcı & Özbek, 1990; Çanakçıoğlu, 1993; Aydın, 1997; Kara & Özdemir, 2000; Kara, 2001b; Efil & Kara, 2004; Lutovinovas et al, 2018.

Aplomya confinis (Fallén, 1820): Kara & Alaoğlu, 2002; Bolu & Çınar, 2005; Bolu & Kara, 2006; Kara & Aksu, 2007; Korkmaz, 2007; Lutovinovas et al, 2018.

Phebellia nigripalpis (Robineau-Desvoidy, 1847): Lutovinovas et al, 2018.

Nilea anatolica Mesnil, 1954: Doğanlar, 1975, 1982a; Herting & Dely-Draskovits, 1993. - Type locality: Akşehir-Konya.

Epicampocera succincta (Meigen, 1824): Kara, 2001b; Kara & Alaoğlu, 2002; Aksu, 2005; Korkmaz, 2007; Atay, 2017.

Buquetia musca Robineau-Desvoidy, 1847: Kara & Tschorsnig, 2003.

Phryxe caudata (Rondani, 1859): Tosun, 1977; Soydanbay, 1978; Herting, 1983b; Avcı & Kara, 2002; Avcı & Oğurlu, 2002; Kanat & Türk, 2002; Özdal, 2002; Özçankaya

& Can, 2004; Atay, 2011; Atay & Kara, 2014; Battisti et al, 2015; Lutovinovas et al, 2018.

Phryxe magnicornis (Zetterstedt, 1838): Kara & Özdemir, 2000; Kara, 2001b; Kaya & Kornoşor, 2008.

Phryxe prima (Brauer et Bergenstamm, 1889): Ford, Shaw, & Robertson, 2000; Korkmaz, 2007.

Phryxe vulgaris (Fallén, 1810): Tuatay et al, 1972; Öncüer et al, 1977; Tosun, 1977; Uzun, 1987; Avcı & Özbek, 1990; Tschorsnig & Herting, 1997; Kara, 1998; Atay, 2011; Atay & Kara, 2014; Kara & Özdemir, 2000; Lutovinovas et al, 2018.

Gymnophryxe inconspicua (Villeneuve, 1924): Rauther, 1930; Herting, 1983b; Herting & Dely-Draskovits, 1993.

Periarchiclops scutellaris (Fallén, 1820): Kara, 2001a.

Pseudoperichaeta nigrolineata (Walker, 1853): Çanakcioğlu, 1959; Özdemir, 1981; Herting, 1985; Herting & Tschorsnig, 1993; Kara, 1998; Melan & Kara, 2004; Lutovinovas et al, 2018.

Pseudoperichaeta palesioidea (Robineau-Desvoidy, 1830): Zeki et al, 1999; Kara & Alaoğlu, 2002; Özbek, 2008; Tozlu & Çoruh, 2011; Atay, 2017; Lutovinovas et al, 2018.

Lydella grisescens Robineau-Desvoidy, 1830: Kara & Alaoğlu, 2002.

Lydella thompsoni Herting, 1959: Özdemir, 1981; Kayapınar & Kornoşor, 1992; Herting & Tschorsnig, 1993; Kara & Özdemir, 2000; Melan & Kara, 2004; Lutovinovas et al, 2018.

Amphicestonia dispar Villeneuve, 1939: Kara, 2001a; Lutovinovas et al, 2018.

Chetina setigena (Rondani, 1861): Kara, 2001a; Korkmaz, 2007; Lutovinovas et al, 2018.

Cadurciella tritaeniata (Rondani, 1859): Kara, 2001b; Lutovinovas et al, 2018.

Drino atropivora (Robineau-Desvoidy, 1830): Bolu, Kara, Zirek, & Özaslan, 2015; Lutovinovas et al, 2018.

Drino galii (Brauer et Bergenstamm, 1891): Herting, 1984; Herting & Dely-Draskovits, 1993; Bayram, 1999; Lutovinovas et al, 2018.

Drino gilva (Hartig, 1837): Doğanlar, 1982a; Tunca et al, 2009.

Drino imberbis (Wiedemann, 1830): Doğanlar, 1975, 1982a; Herting, 1983b; Avcı & Özbek, 1990; Herting & Dely-Draskovits, 1993; Kara & Özdemir, 2000; Kara & Alaoğlu, 2001; Efil & Kara, 2004; Gözüağık et al, 2009.

Drino inconspicua (Meigen, 1830): Steiner, 1937; Schimitschek, 1944; Doğanlar, 1975; 1982a; Herting, 1983b; Tschorsnig, 2005; Korkmaz, 2007; Avcı, 2009; Akıncı & Avcı, 2016; Lutovinovas et al, 2018.

Drino triplaca Herting, 1979: Herting, 1979.

Drino vicina (Zetterstedt, 1849): Doğanlar, 1982a; Aksu, 2005.

Carcelia bombylans Robineau-Desvoidy, 1830: Lutovinovas et al, 2018.

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Carcelia dubia (Brauer et Bergenstamm, 1891): Herting, 1984; Herting & Dely-Draskovits, 1993; Lutovinovas et al, 2018. - Type locality: Bursa

Carcelia gnava (Meigen, 1824): Kara & Alaoğlu, 2002.

Carcelia iliaca (Ratzeburg, 1840): Avcı & Kara, 2002.

Carcelia laxifrons Villeneuve, 1912: Kara & Özdemir, 2000.

Carcelia lucorum (Meigen, 1824): Lutovinovas et al, 2018.

Senometopia separata (Rondani, 1859): Kansu, 1955; Doğanlar, 1975, 1982a; Herting, 1983b; Kara, 1998; Atay, 2011; Atay & Kara, 2014.

Thecocarcelia acutangulata (Macquart, 1850): Lutovinovas et al, 2018.

Erycia fasciata Villeneuve, 1924: Bayram & Kara, 1998; Aksu, 2005; Atay, 2017; Lutovinovas et al, 2018.

Erycia festinans (Meigen, 1924): Tek & Okyar, 2017.

Erycesta caudigera (Rondani, 1861): Lutovinovas et al, 2018.

Alsomyia olfaciens (Pandellé, 1896): Ford et al, 2000.

Townsendiellomyia nidicola (Townsend, 1908): Kansu, 1955; Gürses, 1975; Öncüler et al, 1977; Öncüler, Yalçın, & Erkin, 1978; Doğanlar, 1982a; Herting, 1983b, 1984; Kansu et al, 1986; Herting & Dely-Draskovits, 1993; Kara, 1998; Tschorsnig & Herting, 1997; Tschorsnig, 2005; Atay, 2011; Atay & Kara, 2014; Lutovinovas et al, 2018.

Platymya antennata (Brauer et Bergenstamm, 1891): Lutovinovas et al, 2018.

Platymya fimbriata (Meigen, 1824): Lutovinovas et al, 2018.

Eumea linearicornis (Zetterstedt, 1844): Aydoğdu, 2014.

Myxexoristops blondeli (Robineau-Desvoidy, 1830): Doğanlar, 1982a.

Zenillia dolosa (Meigen, 1824): Kara, 2002.

Zenillia libatrix (Panzer, 1798): Soydanbay, 1976; Öncüler et al, 1978; Kansu et al, 1986; Tschorsnig & Herting, 1997; Kara, 1998; Lutovinovas et al, 2018.

Clemelis pullata (Meigen, 1824): Kara & Alaoğlu, 2002; Aksu, 2005; Atay, 2017; Lutovinovas et al, 2018.

Ceratochaetops trisetia (Villeneuve, 1922): Kara, 2001a.

Pales pavidia (Meigen, 1824): Acatay, 1959a; Doğanlar, 1975, 1982a; Herting 1983b; Çanakçıoğlu, 1993; Tuncer & Ecevit, 1996; Tschorsnig & Herting, 1997; Kara, 1998; Kara & Özdemir, 2000; Kara, 2001b; Cerretti, 2005; Tschorsnig, 2005; Avcı, 2009; Özbek & Çalmaşur, 2010; Atay, 2011; Özbek & Çoruh, 2012; Robertson & Shaw, 2012; Atay & Kara, 2014; Balkan, 2014; Balkan et al, 2015; Lekin, 2014; Lekin et al, 2016b; Lutovinovas et al, 2018.

Pales processioneae Ratzeburg, 1840: Herting & Dely-Draskovits, 1993; Avcı & Kara, 2002; Cerretti, 2005.

Phryno vetula (Meigen, 1824): Doğanlar, 1982a; Aksu, 2005; Lutovinovas et al, 2018.

- Ceromasia rubrifrons*** (Macquart, 1834): Kara & Alaoğlu, 2002.
- Allophorocera ferruginea*** (Meigen, 1824): Kara et al, 2010.
- Ocytata pallipes*** (Fallén, 1820): Lutovinovas et al, 2018.
- Pexopsis aprica*** (Meigen, 1824): Lutovinovas et al, 2018.
- Erythroceras nigripes*** (Robineau-Desvoidy, 1830): Kara, 2001b; Aksu, 2005.
- Cadurcia casta*** (Rondani, 1861): Özdemir, 1981; Ulu, 1983; Herting & Dely-Draskovits, 1993.
- Ramonella mesnili*** (Kugler, 1980): Herting & Dely-Draskovits, 1993.
- Eurysthaea scutellaris*** (Robineau-Desvoidy, 1848): Gençer & Doğanlar, 1996; Kara, 1998; Gençer, 2003.
- Erynnia ocypterata*** (Fallén, 1810): Herting, 1983b.
- Elodia morio*** (Fallén, 1810): Kansu et al, 1986; Çanakçıoğlu, 1993.
- Elodia atricans*** (Herting, 1975): Herting & Tschorsnig, 1986.
- Sturmia bella*** (Meigen, 1824): Herting, 1960; Doğanlar, 1975; Atak & Atak, 1984; Kara, 1998; Balkan, 2014; Balkan et al, 2015; Lutovinovas et al, 2018.
- Blepharipa pratensis*** (Meigen, 1824): Doğanlar, 1982a; Kara, 2001a; Korkmaz, 2007; Lutovinovas et al, 2018.
- Blepharipa schineri*** (Mesnil, 1939): Lutovinovas et al, 2018.
- Masicera pavoniae*** (Robineau-Desvoidy, 1830): Schimitschek, 1944; Herting & Dely-Draskovits, 1993.
- Masicera sphingivora*** (Robineau-Desvoidy, 1830): Tuatay et al, 1972; Doğanlar, 1975, 1982a; Gürses, 1975; Herting, 1984; Herting & Dely-Draskovits, 1993; Tschorsnig & Herting, 1997; Kara, 1998; Bayram, 1999; Kara & Özdemir, 2000; Tschorsnig, 2005; Bartsch & Tschorsnig, 2010; Atay, 2011; Özbek & Çoruh, 2012; Atay & Kara, 2014; Lutovinovas et al, 2018.
- Dolichocolon paradoxum*** Brauer et Bergenstamm, 1889: Lutovinovas et al, 2018.
- Palesisa maculosa*** (Villeneuve, 1936): Efil & Kara, 2004.
- Palesisa nudiculata*** Villeneuve, 1929: Gürses, 1975; Öncüler et al, 1977, 1978; Soydanbay, 1976; Doğanlar, 1982a; Herting, 1983b; 1984; Herting & Dely-Draskovits, 1993; Kara & Özdemir, 2000; Tschorsnig, 2005; Atay, 2011; Özbek & Çoruh, 2012; Atay & Kara, 2014; Lutovinovas et al, 2018.
- Hebia flavipes*** Robineau-Desvoidy, 1851: Lutovinovas et al, 2018.
- Thelymorpha marmorata*** (Fabricius, 1805): Doğanlar, 1975, 1982a; Herting, 1983b; Atay, 2011; Atay & Kara, 2014.
- Brachychaeta petiolata*** Mesnil, 1953: Lutovinovas et al, 2018.
- Gonia asiatica*** (Rohdendorf, 1928): Herting & Dely-Draskovits, 1993.
- Gonia atrata*** Bischof, 1906: Herting & Dely-Draskovits, 1993. - Type locality: Erciyes Mountain-Kayseri.

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Gonia bimaculata Widemann, 1819: Tuatay et al, 1972; Kavut et al, 1974; Doğanlar, 1982a; Gözüaçık et al, 2009; Lutovinovas et al, 2018.

Gonia maculipennis Egger, 1862: Doğanlar, 1982a; Herting & Dely-Draskovits, 1993. - Type localities: Hungary and Turkey.

Gonia olgae (Rohdendorf, 1927): Herting & Dely-Draskovits, 1993.

Gonia ornata Meigen, 1826: Tuatay et al, 1972; Doğanlar, 1982a; Herting & Dely-Draskovits, 1993; Aksu, 2005.

Gonia picea (Robineau-Desvoidy, 1830): Kara & Bayram, 1999; Sertkaya & Bayram, 2005; Lutovinovas et al, 2018.

Pseudogonia rufifrons (Wiedemann, 1830): Kara, 2001a; Sertkaya & Bayram, 2005; Gözüaçık et al, 2009; Atay, 2017.

Pseudogonia parisiaca (Robineau-Desvoidy, 1851): Aksu, 2005.

Spallanzania hebes (Fallén, 1820): Doğanlar, 1982a; Balkan, 2014; Balkan et al, 2015; Lutovinovas et al, 2018.

Spallanzania multisetosa (Rondani, 1859): Aksu, 2005.

Spallanzania quadrimaculata Herting, 1967: Aksu, 2005.

Spallanzania griseiventris Herting, 1967: Kara & Aksu, 2007.

Spallanzania rectistylum (Macquart, 1847): Lutovinovas et al, 2018.

Subfamily: Tachininae (91 species)

Tachina grossa (Linnaeus, 1758): Kara & Aksu, 2008.

Tachina corsicana (Villeneuve, 1931): Herting & Dely-Draskovits, 1993.

Tachina fera (Linnaeus, 1761): Doğanlar, 1982b; Kara, 1999a; Korkmaz, 2007; Lekin, 2014; Lekin et al, 2016b; Atay, 2017; Lutovinovas et al, 2018.

Tachina magnicornis (Zetterstedt, 1844): Steiner, 1937; Bodenheimer, 1958; Kavut et al, 1974; Doğanlar, 1975, 1982b; Kara, 1999a; Kara & Özdemir, 2000; Kaya & Kovancı, 2000; Gürkan, 2010; Korkmaz, 2007; Lekin, 2014; Balkan, 2014; Balkan et al, 2015; Lekin et al, 2016b; Atay, 2017; Lutovinovas et al, 2018.

Tachina nupta (Rondani, 1859): Kara, 1999a.

Tachina lurida (Fabricius, 1781): Lutovinovas et al, 2018.

Tachina praeceps Meigen, 1824: Doğanlar, 1975, 1982b; Gürses, 1975; Öncüer et al, 1977; Herting, 1983b; Kansu et al, 1986; Kara, 1999a; Kara & Özdemir, 2000; Mückstein et al, 2004; Özbek & Çoruh, 2012; Lutovinovas et al, 2018.

Nowickia atripalpis (Robineau-Desvoidy, 1863): Doğanlar, 1975.

Nowickia ferox (Panzer, 1809)

Material examined: Eskişehir: Sarıcakaya, 09.07. 2003, 2♂♂, leg. S.AKSU.

This tachinid is recorded for the first time from Turkey.

Nowickia rondanii (Giglio-Tos, 1890): Atay et al, 2015.

Tachina danilewskyi (Portschinsky, 1882) (Portschinsky, 1882): Herting & Dely-Draskovits, 1993; Kara & Aksu, 2007.

Peleteria abdominalis (Robineau-Desvoidy, 1830): Mesnil, 1944-1975.

Peleteria rubescens (Robineau-Desvoidy, 1830): Doğanlar, 1975; Kara, 1999a; Khan & Özer, 1984; Kansu et al, 1986; Kara & Özdemir, 2000; Korkmaz, 2007; Balkan, 2014; Lekin, 2014; Balkan et al, 2015; Lekin et al, 2016b.

Peleteria iavana (Wiedemann, 1819): Kara, 2001b; Lekin, 2014; Lekin et al, 2016b.

[***Copecrypta ruficauda*** (Van der Wulp, 1867): Herting & Dely-Draskovits, 1993.]

Remark: Herting 1984: 94 states "locality probably wrong" because this species is Nearctic. Unfortunately Herting's note was not included again by Dely-Draskovits when she rewrote Herting's 1984 paper.

Germaria hermonensis Kugler, 1980: Kara, 1999a.

Germaria nudinerva (Mesnil, 1963): Ziegler, 2015.

Germaria ruficeps (Fallén, 1820)

Material examined: Eskişehir: Tepebaşı (Gökçekısı), 12.09.2003, 2♀, leg. S.AKSU.

This tachinid is recorded for the first time from Turkey.

Germaria obscuripennis Tschorsnig, 2000: Tschorsnig, 2000. - Type locality: Ilgaz-Çankiri, reared from *Bembecia scopigera* Scopoli (Lepidoptera, Sesiidae).

Germaria graeca (Brauer & Bergenstamm, 1889): Ziegler, 2010.

Nemoreia pellucida (Meigen, 1824): Doğanlar, 1982b; Herting, 1985; Tschorsnig, 2005; Tuncer & Ecevit, 1996; Sullivan et al, 2012; Sullivan & Ozman-Sullivan, 2012; Balkan, 2014; Balkan et al, 2015; Lutovinovas et al, 2018.

Linnaemya comta (Fallén, 1810): Kavut et al, 1974; Doğanlar, 1982b; Kara, 1999a; Balkan, 2014; Balkan et al, 2015; Atay, 2017; Lutovinovas et al, 2018.

Linnaemya neavei Curran, 1934: Kara et al, 2007; Gözüaçık et al, 2009; Lutovinovas et al, 2018.

Linnaemyia vulpina (Fallén, 1810): Sertkaya & Bayram, 2005; Kara & Aksu, 2007; Korkmaz, 2007; Lutovinovas et al, 2018.

Linnaemya impudica (Rondani, 1859): Doğanlar, 1982b; Lekin, 2014; Lekin et al, 2016b.

Linnaemya fissiglobula Pandellé, 1895: Kara, 2001a.

Linnaemya olsufjevi Zimin, 1954: Kansu et al, 1986; Kara & Özdemir, 2000.

Linnaemya pantheri (Bischof, 1906): Herting & Dely-Draskovits, 1993. - Type locality: Erciyes Mountain-Kayseri.

Lydina aenea (Meigen, 1824): Lutovinovas et al, 2018.

Lypha dubia (Fallén, 1810): Lutovinovas et al, 2018.

Petagnia occlusa Rondani, 1856: Herting & Dely-Draskovits, 1993.

- Panzeria fucosa*** (Mesnil, 1975): Herting & Dely-Draskovits, 1993.
- Zophomyia temula*** (Scopoli, 1763): Kara, 1999a.
- Sonaca moderata*** (Herting, 1979): Herting, 1979.
- Cleonice callida*** (Meigen, 1824): Kara, 1999a.
- Loewia brevifrons*** (Rondani, 1856): Herting, 1984; Herting & Dely-Draskovits, 1993; Kara, 1999a; Lutovinovas et al, 2018.
- Loewia crassipes*** (Mesnil, 1953): Bystrowski, 2011; Lutovinovas et al, 2018.
- Loewia phaeoptera*** (Meigen, 1824): Kara, 2001b.
- Loewia papei*** Cerretti, Giudice & O'Hara, 2014: Cerretti, Giudice, & O'Hara, 2014; Lutovinovas et al, 2018. – Type locality: Kovada Gölü-Isparta.
- Macquartia praefica*** (Meigen, 1824): Kara, 1999a.
- Macquartia tenebricosa*** (Meigen, 1824): Kara, 1999a, 2001b; Anay, 2000; Korkmaz, 2007; Atay, 2018; Lutovinovas et al, 2018.
- Macquartia tessellum*** (Meigen, 1824): Doğanlar, 1982b; Kara, 1999a; Lutovinovas et al, 2018.
- Macquartia chalconota*** (Meigen, 1824): Kara, 2001b; Sahebari, Khaghaninia, & Ziegler, 2013; Lekin, 2014; Lekin et al, 2016b; Atay, 2017.
- Anthomyiopsis plagioderæ*** (Mesnil, 1972): Atay, 2011; Kara & Atay, 2015.
- Triarthria setipennis*** (Fallén, 1810): Lutovinovas et al, 2018.
- Trichactia pictiventris*** (Zetterstedt, 1855): Lutovinovas et al, 2018.
- Trichactia meridiana*** Ziegler & Gilasian, 2018: Gilasian et al, 2018.
- Neaera atra*** Robineau-Desvoidy, 1850: Herting & Dely-Draskovits, 1993.
- Neaera laticornis*** (Meigen, 1824): Kara, 1999a.
- Neoplectops pomonellæ*** (Schnabl et Mokrzecki, 1903): İren, 1952; Çakıllar & Nizamlioğlu, 1953; Bodenheimer, 1958; Acatay, 1959b; Tuatay et al, 1972; Herting & Dely-Draskovits, 1993.
- Phytomyptera nigrina*** (Meigen, 1824): Çakıllar, 1959; Önçağ, 1975; Doğanlar & Döken, 1985.
- Phytomyptera cingulata*** (Robineau-Desvoidy, 1830): Lutovinovas et al, 2018.
- Graphogaster vestita*** Rondani, 1868: Kara et al, 2010; Lutovinovas et al, 2018.
- Ceromya bicolor*** (Meigen, 1824): Lutovinovas et al, 2018.
- Ceromya dorsigera*** Herting 1967: Lutovinovas et al, 2018.
- Actia crassicornis*** (Meigen, 1824): Çanakcioğlu, 1993.
- Actia infantula*** (Zetterstedt, 1844): Lutovinovas et al, 2018.
- Actia pilipennis*** (Fallén, 1810): Çanakcioğlu, 1993.
- Actia resinellæ*** (Schrank, 1781): Çanakcioğlu, 1993.
- Peribaea apicalis*** Robineau-Desvoidy, 1863: Lutovinovas et al, 2018.

Peribaea tibialis (Robineau-Desvoidy, 1851): Anay, 2000; Kara, 2001b; Korkmaz, 2007; Lekin, 2014; Lekin et al, 2016b; Atay, 2017; Lutovinovas et al, 2018.

Ceranthia impropria Herting, 1987: Herting, 1987. - Type locality: Sat Mountain-Hakkari.

Siphona pauciseta Rondani, 1865: Lutovinovas et al, 2018.

Siphona rossica Mesnil, 1961: Andersen, 1996.

Siphona pilistyla Andersen, 1996: Andersen, 1996.

Aphria longirostris (Meigen, 1824): Atay et al, 2015.

Prodemoticus orientalis Villeneuve, 1919: Herting & Dely-Draskovits, 1993.

Bithia acanthophora (Rondani, 1861): Herting & Dely-Draskovits, 1993.

Bithia ancyrensis (Villeneuve, 1942): Herting & Dely-Draskovits, 1993. - Type locality: Ankara.

Bithia demotica (Egger, 1861): Kara & Aksu, 2007.

Bithia immaculata (Herting, 1971): Doğanlar, 1982b; Kara, 1999a; Korkmaz, 2007.

Bithia modesta (Meigen, 1824): Doğanlar, 1982b; Korkmaz, 2007; Atay, 2017; Lutovinovas et al, 2018.

Bithia maculifacies Tschorsnig & Kara 2002: Tschorsnig & Kara, 2002. - Type locality: Çamlıbel-Tokat.

Leskia aurea (Fallén, 1820): Kara & Özdemir, 2000; Kara, 2001a.

Leskia erevanica Richter, 1974: Kara & Aksu, 2008.

Solieria fenestrata (Meigen, 1824): Kara, 1999b.

Solieria vacua (Rondani, 1861)

Material examined: Kastamonu: Şenpazar - Dağlı, 41°46'59"N, 33°08'20"E, 678 m, 20.09.2012, 1♂, leg. T.ATAY.

This tachinid is recorded for the first time from Turkey.

Clausicella puella (Rondani, 1861): Kara 2002; Lutovinovas et al, 2018.

Clausicella suturata Rondani, 1859: Lutovinovas et al, 2018.

Mintho rufiventris (Fallén, 1817): Ertürk, 1963; Doğanlar, 1982b; Herting, 1983b; Herting & Tschorsnig, 1993; Kara, 1999a; Lutovinovas et al, 2018.

Minthodes brevipennis Brauer et Bergenstamm, 1889: Herting & Dely-Draskovits, 1993; Kara & Aksu, 2007. - Type locality: Amasya.

Minthodes diversipes (Strobl, 1899): Herting, 1984; Herting & Dely-Draskovits, 1993; Lutovinovas et al, 2018.

Minthodes pictipennis Brauer et Bergenstamm, 1889: Herting & Dely-Draskovits, 1993. - Type locality: Bursa.

Minthodes atra (Kugler, 1971): Gilasian, Ziegler, & Araghi, 2016.

Minthodes latifacies Herting, 1983: Gilasian et al, 2016; Lutovinovas et al, 2018.

Minthodes transiens Herting, 1987: Herting, 1987. - Type locality: Sat Mountain-Hakkari.

Minthodes simulans Herting, 1987: Herting, 1987. - Type locality: Sat Mountain-Hakkari.

Palmonia hermonensis Kugler, 1972: Lutovinovas et al, 2018.

Ziminia masiceraeformis (Portschinsky, 1881): Doğanlar, 1982b.

Microphthalma europaea Egger, 1860: Karagöz, Aksu, Gözüaçık, & Kara, 2011; Balkan, 2014; Balkan et al, 2015; Lutovinovas et al, 2018.

Melisoneura leucoptera (Meigen, 1824): Lutovinovas et al, 2018.

Therobia leonidei (Mesnil, 1965): Lehmann, 1998.

Subfamily: Dexiinae (48 species)

Billaea adelpha (Loew, 1873): Kara, 2001a.

Billaea irrorata (Meigen, 1826): Özbek, Tozlu, & Çoruh, 2009.

Dinera carinifrons (Fallén, 1817): Doğanlar, 1982b; Ziegler, Lutovinovas, & Zhang, 2016.

Dinera ferina (Fallén, 1817): Lekin, 2014; Lekin et al, 2016a.

Dinera fuscata occidentalis Ziegler, 2016: Ziegler et al, 2016.

Estheria acuta (Portschinsky, 1881): Herting & Dely-Draskovits, 1993; Cerretti & Tschorsnig, 2012; Atay, 2017.

Estheria nigripes (Villeneuve, 1920): Herting, 1984; Öncüler, 1991; Herting & Dely-Draskovits, 1993; Cerretti & Tschorsnig, 2012; Lutovinovas et al, 2018.

Estheria pallicornis (Loew, 1873): Herting & Dely-Draskovits, 1993; Cerretti & Tschorsnig, 2012.

Estheria picta (Meigen, 1826): Doğanlar, 1982b.

Dexia rustica (Fabricius, 1775): Lekin, 2014; Sahebari, Khaghaninia, & Ziegler, 2014; Lekin et al, 2016a; Lutovinovas et al, 2018.

Prosema siberita (Fabricius, 1775): Kara, 2001a; Balkan, 2014; Lekin, 2014; Balkan et al, 2015; Lekin et al, 2016b.

Zeuxia cinerea Meigen, 1826: Kara, 1999b; Richter, Gültekin, & Korotyaev, 2002; Kara & Aksu, 2007; Korkmaz, 2007; Lekin et al, 2016b; Atay, 2017; Lutovinovas et al, 2018.

Zeuxia erythraea (Egger, 1856): Doğanlar, 1982b.

Zeuxia roederi (Villeneuve, 1932): Herting & Dely-Draskovits, 1993.

Zeuxia subapennina Rondani, 1862: Kara, 1999b; Lutovinovas et al, 2018.

Zeuxia tricolor (Portschinsky, 1881): Herting, 1984; Herting & Dely-Draskovits, 1993; Kara, 1999b; 2001b; Kara & Aksu, 2007; Lekin, 2014; Lekin et al, 2016b.

Zeuxia zejana Kolomiets, 1971: Herting & Dely-Draskovits, 1993; Tozlu & Kara, 2007.

Eriothrix apennina (Rondani, 1862): Doğanlar, 1982b; Kara, 2001b.

Eriothrix argyrea (Meigen, 1824)

Material examined: Van: Çatak, 16.07. 2002, 2♂♂, leg. K.KARA.

This tachinid is recorded for the first time from Turkey.

Eriothrix prolixa (Meigen, 1824): Kara, 1999b; Lutovinovas et al, 2018.

Eriothrix rufomaculata (De Geer, 1776): Doğanlar, 1982b; Kara, 1999b; Korkmaz, 2007; Balkan, 2014; Lekin, 2014; Balkan et al, 2015; Lekin et al, 2016b; Lutovinovas et al, 2018.

Campylocheta inepta (Meigen, 1824): Lutovinovas et al, 2018.

Campylocheta latigena Mesnil, 1974: Lutovinovas et al, 2018.

Campylocheta praecox (Meigen, 1824): Lutovinovas et al, 2018.

Blepharomyia pagana (Meigen, 1824): Lutovinovas et al, 2018.

Periscepsia carbonaria (Panzer, 1798): Kavut et al, 1974; Khan & Özer, 1984; Kansu et al, 1986; Bayram, 1987; Bayram & Kılınçer, 1987, 1991; Kara & Özdemir, 2000; Kara & Aksu, 2007; Lekin, 2014; Lekin et al, 2016b.

Wagneria cunctans (Meigen, 1824): Lutovinovas et al, 2018.

Wagneria micropyga Herting, 1987: Herting, 1987; Lutovinovas et al, 2018. – Type locality: Beytüşşebap-Şırnak.

Athrycia impressa (Van der Wulp, 1869): Doğanlar, 1982b; Kara, 1999b; Lekin, 2014; Lekin et al, 2016b.

Athrycia trepida (Meigen, 1824): Sahebari et al, 2014; Lutovinovas et al, 2018.

Voria ruralis (Fallén, 1810): Steiner, 1937; Bodenheimer, 1958; Kavut et al, 1974; Avcı & Özbek, 1990; Kara, 1999b; Anay, 2000; Kara & Özdemir, 2000; Kara, 2001b; Korkmaz, 2007; Kaya & Kornoşor, 2008; Lekin, 2014; Lekin et al, 2016b; Lutovinovas et al, 2018.

Cyrtophloebe ruricola (Meigen, 1824): Sahebari et al, 2014; Lutovinovas et al, 2018.

Klugia marginata (Meigen, 1824): Kara, 1999b.

Hypovoria hilaris Villeneuve, 1912: Sahebari et al, 2014; Lutovinovas et al, 2018.

Hypovoria pilibasis (Villeneuve, 1922): Mückstein et al, 2004.

Nanoplagia hilfi (Strobl, 1902): Cerretti, 2009.

Uclesia simyrae Herting, 1966: Herting, 1966; Herting & Dely-Draskovits, 1993. – Type locality: Konya.

Uclesia fumipennis Girschner, 1901: Doğanlar, 1982b.

Thelaira solivaga (Harris, 1780): Sahebari et al, 2014.

Stomina angustifrons Kugler, 1968: Herting & Dely-Draskovits, 1993.

Stomina iners (Meigen, 1838): Doğanlar, 1982b; Herting & Dely-Draskovits, 1993; Kara & Aksu, 2007.

Stomina tachinoides (Fallén, 1817): Kara, 2001a.

Dufouria nigrita (Fallén, 1810): Kara, 1999b.

Dufouria occlusa (Robineau-Desvoidy, 1863): Kara, 1999b.

Rondania cucullata Robineau-Desvoidy, 1850: Doğanlar, 1982b.

Microsoma exiguum (Meigen, 1824): Aeschlimann, 1990; Lutovinovas et al, 2018.

Euthera fascipennis (Loew, 1854): Herting & Dely-Draskovits, 1993.

Mitannia insueta Herting, 1987: Herting, 1987. - Type locality: Sat Mountain-Hakkari.

Subfamily: Phasiinae (63 species)

Eliozeta helluo (Fabricius, 1805): Lodos, 1961, 1986; Brown, 1962; Dupuis, 1963; Yüksel, 1968; Tuatay et al, 1972; Herting, 1984, 1985; Herting & Dely-Draskovits, 1993; Memişoğlu & Özer, 1994; Şimşek, Güllü, & Yaşarbaş, 1994; Öncüler & Kivan, 1995; Kivan, 1996; Kara, 1998; İslamoğlu & Kornoşor, 2003, 2007; Korkmaz, 2007; Gözüaçık et al, 2010; Gün, 2010; Duman & Sertkaya, 2015; Lutovinovas et al, 2018.

Eliozeta pellucens (Fallén, 1820): Kara & Bayram, 1999; Korkmaz, 2007.

Clytiomyia continua (Panzer, 1798): Kara, 1998; Aksu, 2005; Atay, 2011; Atay & Kara, 2014; Balkan, 2014; Lekin, 2014; Balkan et al, 2015; Lekin et al, 2016b; Atay, 2017.

Clytiomyia dupuisi Kugler, 1971: Kara, 1998; Kara & Alaoğlu, 1999; Karsavuran & Kara, 2003; Lutovinovas et al, 2018.

Clytiomyia sola (Rondani, 1861): Mesnil, 1971; Tuatay et al, 1972; Karsavuran & Kara, 2003; Tschorsnig, 2005; Lutovinovas et al, 2018.

Ectophasia crassipennis (Fabricius, 1794): Zwölfer, 1932; Lodos, 1953, 1961, 1986; Yüksel, 1968; Şimşek et al, 1994; Atay, 2011; Atay & Kara, 2014; Lekin, 2014; Duman & Sertkaya, 2015; Duman, Güz, & Sertkaya, 2015; Lekin et al, 2016b; Atay, 2017; Lutovinovas et al, 2018.

Ectophasia leucoptera (Rondani, 1865): Herting & Dely-Draskovits, 1993.

Ectophasia oblonga (Robineau-Desvoidy, 1830): Dupuis, 1963; Herting, 1984; Herting & Dely-Draskovits, 1993; Herting & Tschorsnig, 1993; Memişoğlu & Özer, 1994; Öncüler & Kivan, 1995; Kivan, 1996; Kara, 1998; İslamoğlu & Kornoşor, 2003, 2007; Aksu, 2005; Tschorsnig, 2005; Korkmaz, 2007; Gözüaçık et al, 2010; Atay, 2011; Atay & Kara, 2014; Lekin, 2014; Lekin et al, 2016b; Atay, 2017; Lutovinovas et al, 2018.

Gymnosoma clavata (Rohdendorf, 1947): Doğanlar, 1982b; Karsavuran, 1986; Herting & Tschorsnig, 1993; Kara, 1998; Karsavuran & Kara, 2003; Aksu, 2005; Korkmaz, 2007; Atay, 2011; Atay & Kara, 2014; Balkan, 2014; Lekin, 2014; Balkan et al, 2015; Lekin et al, 2016b; Atay, 2017; Lutovinovas et al, 2018.

Gymnosoma desertorum (Rohdendorf, 1947): Brown, 1962; Lodos, 1986; Kara & Alaoğlu, 1999; Atay, 2011; Atay & Kara, 2014; Balkan, 2014; Balkan et al, 2015.

Gymnosoma dolycoridis Dupuis, 1961: Karsavuran, 1986; Kara, 1998; Aksu, 2005.

Gymnosoma iranica (Zimin, 1966): Kara, 2001a.

Gymnosoma nitens Meigen, 1824: Kara, 2001a; Korkmaz, 2007; Atay, 2017; Lutovinovas et al, 2018.

Gymnosoma rotundata (Linnaeus, 1758): Kurt, 1975; Dikyar, 1981; Kara, 1998; Korkmaz, 2007; Balkan, 2014; Lekin, 2014; Balkan et al, 2015; Lekin et al, 2016b; Atay, 2017.

Gymnosoma rungsi (Mesnil, 1952): Zimin, 1966; Mesnil, 1971; Tuatay et al, 1972; Dikyar, 1981; Herting & Dely-Draskovits, 1993; Herting, 1984; Herting & Tschorsnig, 1993; Memişoğlu, Özkan, & Melan, 1994; Lutovinovas et al, 2018.

Cistogaster mesnili (Zimin, 1966): Memişoğlu et al, 1994.

Opesia grandis (Egger, 1860)

Material examined: Eskişehir: Alpu, 11.07. 2003, 1♂, leg. S.AKSU.

This tachinid is recorded for the first time from Turkey.

Elomya lateralis (Meigen, 1824): Lodos, 1961, 1986; Brown, 1962; Dupuis, 1963; Yüksel, 1968; Mesnil, 1971; Dikyar, 1981; Herting & Tschorsnig, 1993; Memişoğlu & Özer, 1994; Memişoğlu et al, 1994; Öncüler & Kivan, 1995; Kivan, 1996; İslamoğlu & Kornoşor, 2003, 2007; Korkmaz, 2007; Kara & Alaoğlu, 1999; Tschorsnig, 2005; Gözüaçık et al, 2010; Atay, 2011; Atay & Kara, 2014; Duman & Sertkaya, 2015; Atay, 2017; Lutovinovas et al, 2018.

Phasia aurigera (Egger, 1860): Ziegler, 2011

Phasia hemiptera (Fabricius, 1794): Lekin, 2014; Lekin et al, 2016a.

Phasia obesa (Fabricius, 1798): Kara, 1998; Kara & Alaoğlu, 1999; Lekin, 2014; Lekin et al, 2016b; Atay, 2017; Lutovinovas et al, 2018.

Phasia subcoleoptrata (Linnaeus, 1767): Lodos, 1952, 1953, 1961, 1986; Brown, 1962; Dupuis, 1963; Yüksel, 1968; Tuatay et al, 1972; Soydanbay, 1978; Herting, 1984, 1985; Herting & Dely-Draskovits, 1993; Herting & Tschorsnig, 1993; Memişoğlu & Özer, 1994; Şimşek et al, 1994; Öncüler & Kivan, 1995; Kivan, 1996; İslamoğlu & Kornoşor, 2003, 2007; Sun & Marshall, 2003; Keçeci, Tekşam, Topuz, & Öztıp, 2007; Gözüaçık et al, 2010; Gün, 2010; Atay, 2011; Atay & Kara, 2014; Duman & Sertkaya, 2015; Duman et al, 2015; Lutovinovas et al, 2018.

Phasia mesnili (Draber-Monko, 1965): Kara, 1998; Kara & Alaoğlu, 1999; Sun & Marshall, 2003; Korkmaz, 2007; Atay, 2017; Lutovinovas et al, 2018.

Phasia pandellei (Dupuis, 1957): Kara et al, 2010; Atay, 2017.

Phasia pusilla Meigen, 1824: Kara, 1998; Kara & Alaoğlu, 1999; Korkmaz, 2007; Atay, 2017; Lutovinovas et al, 2018.

Phasia venturii (Draber-Monko, 1965): Lutovinovas et al, 2018.

Xysta holosericea (Fabricius, 1805): Kara et al, 2010; Lutovinovas et al, 2018.

- Catharosia albisquama*** (Villeneuve, 1932): Lutovinovas et al, 2018.
- Catharosia claripennis*** Kugler, 1977: Lutovinovas et al, 2018.
- Catharosia pygmaea*** (Fallén, 1815): Atay, 2017; Lutovinovas et al, 2018.
- Eulabidogaster setifacies*** (Rondani, 1861): Kara, 1998; Kara & Alaoğlu, 1999; Korkmaz, 2007; Atay, 2011; Atay & Kara, 2014; Atay, 2017; Lutovinovas et al, 2018.
- Leucostoma abbreviatum*** Herting, 1971: Kara & Alaoğlu, 1999; Korkmaz, 2007; Balkan, 2014; Balkan et al, 2015.
- Leucostoma anthracinum*** (Meigen, 1824): Kara, 1998; Atay, 2017; Lutovinovas et al, 2018.
- Leucostoma crassa*** Kugler, 1966: Herting & Dely-Draskovits, 1993; Kara & Alaoğlu, 1999.
- Leucostoma engeddense*** Kugler, 1966: Kara, 2002; Lutovinovas et al, 2018.
- Leucostoma simplex*** (Fallén, 1815): Kara & Alaoğlu, 1999; Korkmaz, 2007; Atay, 2011; Lutovinovas et al, 2018.
- Leucostoma tetraptera*** (Meigen, 1824): Kara et al, 2010.
- Leucostoma nudifacies*** Tschorsnig, 1991: Kara & Bayram, 1999.
- Clairvillia biguttata*** (Meigen, 1824): Kara, 1998; Kara & Alaoğlu, 1999; Aksu, 2005; Lutovinovas et al, 2018.
- Clairvillia pninae*** Kugler, 1971: Kara, 2001a; Kara & Aksu, 2007; Lutovinovas et al, 2018.
- Psalidoxena transsylvanica*** (Villeneuve, 1929): Kara, 2002.
- Labigastera nitidula*** (Meigen, 1824): Kara, 2002.
- Labigastera pauciseta*** (Rondani, 1861): Kara & Alaoğlu, 1999; Korkmaz, 2007.
- Weberia digramma*** (Meigen, 1824): Lutovinovas et al, 2018.
- Cylindromyia rufifrons*** (Loew, 1844): Lutovinovas et al, 2018.
- Cylindromyia rubida*** (Loew, 1854): Çerçi, 2017.
- Cylindromyia theodori*** Kugler, 1974: Gilasian, Talebi, Ziegler, Manzari, & Araghi, 2013.
- Cylindromyia bicolor*** (Olivier, 1812): Herting, 1983a; Işık, Ecevit, Kurt, & Yüçetin, 1987; Kara, 1998; Kara & Alaoğlu, 1999; Korkmaz, 2007; Lekin, 2014; Lekin et al, 2016b; Atay, 2017; Lutovinovas et al, 2018.
- Cylindromyia brassicaria*** (Fabricius, 1775): Doğanlar, 1982b; Karsavuran, 1986; Kara, 1998; Kara & Alaoğlu, 1999; Aksu, 2005; Atay, 2011; Atay & Kara, 2014; Lekin, 2014; Lekin et al, 2016b; Atay, 2017; Lutovinovas et al, 2018.
- Cylindromyia brevicornis*** (Loew, 1844): Kara & Alaoğlu, 1999.
- Cylindromyia montana*** Kugler, 1974: Doğanlar, 1982b.
- Cylindromyia pilipes*** (Loew, 1844): Herting 1984; Herting & Dely-Draskovits, 1993; Atay, 2017; Lutovinovas et al, 2018. - Type localities: İstanbul and Bursa.

Cylindromyia pusilla (Meigen, 1824): Herting, 1984; Herting & Dely-Draskovits, 1993; Korkmaz, 2007; Atay, 2017; Lutovinovas et al, 2018.

Cylindromyia rufipes (Meigen, 1824): Kara, 2001a; Korkmaz, 2007; Atay, 2017; Lutovinovas et al, 2018.

Cylindromyia crassa (Loew, 1845): Lutovinovas et al, 2018.

Cylindromyia intermedia (Meigen, 1824): Doğanlar, 1982b; Atay, 2017.

Cylindromyia auriceps (Meigen, 1838): Kara, 1998; Kara & Alaoğlu, 1999; Aksu, 2005; Korkmaz, 2007; Balkan, 2014; Lekin, 2014; Balkan et al, 2015; Lekin et al, 2016b; Atay, 2017; Lutovinovas et al, 2018.

Cylindromyia hermonensis Kugler, 1974: Lutovinovas et al, 2018.

Cylindromyia interrupta (Meigen, 1824): Kara et al, 2010.

Cylindromyia persica Tschorsnig, 2000: Gilasian et al, 2013.

Besseria lateritia (Meigen, 1824): Kara et al, 2010; Lutovinovas et al, 2018.

Besseria zonaria (Loew, 1847): Herting & Dely-Draskovits, 1993; Korkmaz, 2007.

Phania albisquama (Villeneuve, 1924): Kara, 2002.

DISCUSSION

In this paper, a total of 341 tachinid species are listed from Turkey. The subfamily Exoristinae is dominant with 139 species, followed by the subfamilies Tachininae, Phasiinae and Dexiinae, respectively. The number of species known to each Turkish province varies widely, depending mainly on areas of research of the most active researchers: 156 species (47%) are recorded from Southwestern Turkey including Muğla, Aydın, Burdur, Denizli, Antalya, 145 species (43%) from Central Black Sea including Tokat and Amasya, 66 species (20%) from Western Black Sea including Kastamonu, Karabük, Bolu, Bartın, 71 species (21%) from Northwest Central Anatolia including Ankara and Eskişehir, 57 species (17%) from North of Eastern Anatolia including Erzurum and 24 species (7%) from Eastern Marmara.

The type locality of 19 species (5.6%) is Turkey and 11 of them are at present endemic species. These are *Blondelia angusticornis* Herting, 1987, *Germaria obscuripennis* Tschorsnig, 2000, *Linnaemya pentheri* (Bischof, 1906), *Loewia papei* Cerretti, Lo Giudice & O'Hara, 2014, *Ceranthia impropria* Herting, 1987, *Bithia ancyrensis* (Villeneuve, 1942), *Minthodes brevipennis* Brauer et Bergenstamm, 1889, *Minthodes transiens* Herting, 1987, *Minthodes simulans* Herting, 1987, *Mitannia insueta* Herting, 1987 and *Wagneria micropyga* Herting, 1987.

The present publication includes all relevant papers on Turkish Tachinidae known to the authors. Further studies involving different habitats would certainly reveal additional species. The total number of species in the large and diverse country Turkey will surely exceed the listed 341 species. Fauna Europaea ([http:// www.faunaeur.org/](http://www.faunaeur.org/)) gives an impression how many species can be recorded in even much smaller European countries.

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