

## A CONTRIBUTION TO WEST AEGEAN REGION TABANIDAE FAUNA (INSECTA: DIPTERA)

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ABSTRACT: This study conducted to determine West Aegean Region Tabanidae fauna in 2012 to 2013. As a result 3 subfamilies, 10 genera and 52 species were explored. 16 species were firstly reported from the region. These species are *Atylotus loewianus* Villeneuve, 1920, *Theriopteles tunicatus* Szilady, 1927, *Hybomitra caucasi* Szilady, 1923, *Tabanus cordiger* Meigen, 1820, *Tabanus fraseri* Austen, 1924, *Tabanus maculicornis* Zetterstedt, 1842, *Tabanus miki* (Brauer, 1880), *Tabanus nemoralis* Meigen, 1820, *Tabanus oppugnator* Austen, 1925, *Tabanus portschinskii* Olsufjev, 1937, *Tabanus spodopteroideus* Olsufjev, Moucha & Chvála, 1969, *Tabanus sudeticus* Zeller 1842, *Tabanus tergestinus* Egger, 1859, *Tabanus unifasciatus* Loew, 1858, *Haematopota italica* Meigen, 1804, *Philipomyia aprica* (Meigen, 1820). As a conclusions number of species which are distributing the region reach to 67 species.

KEY WORDS: West Aegean, fauna, horse fly, Tabanidae, Diptera.

Female horse fly species during the blood-feeding period frequently change hosts between mammals including human. They have great importance in terms of medical and veterinary, because they are potential mechanical vectors for the diseases caused by viruses, bacteria and protozoans and the economic significance of stress resulting directly from bites, or indirect secondary infections such as anemia through blood loss, allergic responses, etc. (Chvala et al., 1972; Krinsky, 1979; Foil, 1989).

Studies about Tabanidae fauna of Turkey have begun in the 19th century (Walker, 1854; Loew, 1856a,b,c; 1858; 1859) and still continue. Many studies were report about distribution, seasonality and habitat preferences of Turkish horse fly species (Kılıç, 1992, 1993, 1996a,b,c, 1999, 2001a,b,c, 2002, 2003, 2004, 2005a,b, 2006; Kılıç & Schacht, 1995; Altunsoy & Kılıç, 2011a,b, 2012, 2014; Altunsoy, 2011). Newertheless these studies are not adequate for the put forth of Turkish horse fly fauna.

Based on reports of recent studies, Turkish horse fly fauna is representing with 3 subfamilies, 9 genera, 171 species and 15 subspecies (Kılıç, 1999; Kılıç, 2006; Altunsoy & Kılıç, 2014) and previously 51 species were reported from Aegean region (Schacht, 1984, 1985, 1987). In this study, totally 1672 samples collected and 52 species identified and 16 species were first time reported from study area. As a result, the number of species, which are distributed in Aegean region reached 67 species.

### MATERIAL AND METHOD

Adult female horse flies were collected from different habitats in West Aegean Region (Aydın, Denizli, İzmir, Manisa and Muğla) with Malaise and Nzi Traps, which were baited with 1-octen-3-ol, and water traps.

Collection and preparation of samples were been done according to the principles of Chvala et al. (1972) and Olsufjev (1977). Tabanids were killed by ethyl-acetat jars. The specimens were brought to the laboratory in 70 degree

alcohol solution and were pinned with insect pins.

Samples were identified according to Chvala et. al. (1972), Olsufjev (1977), Peus (1980), Yücel (1987), Schacht (1987), Leclercq (1966a,b, 1967a,b) and Rubio (2002).

Identificated samples preserved in the Zoological Museum of Anadolu University (AUZM).

Because of given in previous studies to distributions of species in Turkey and worldwide, not presented here again (Kılıç, 1999, 2006; Schacht, 1983, 1984, 1985, 1987; Andreeva et al., 2009; Altunsoy & Kılıç, 2010).

## RESULTS AND DISCUSSION

Totally 52 species belonging to 9 genera and 3 subfamily were identified and 16 species were first time recorded from Aegean Region.

### Family: TABANIDAE

#### Subfamily: PANGONINAE

##### Tribus: Pangoniini

#### 1. *Pangonius fulvipes* (Loew, 1859)

Material examined: İzmir (Kemalpaşa), 10.05.2012, 2♀♀.

#### 2. *Pangonius pyritosus* Loew, 1859

Material examined: İzmir (Kemalpaşa), 10.05.2012, 2♀♀.

#### Subfamily: CHRYSOPSINAE

##### Tribus: Chrysopsini

#### 3. *Chrysops caecutiens* (Linne, 1761)

Material examined: Muğla (Fethiye-Köyceğiz), 07.05.2012, 5♀♀, 1♂; Muğla (Marmaris), 10.06.2012, 1♀♀; Uşak (Karaağaç), 15.06.2012, 10♀♀; Uşak (Merkez), 12.06.2012, 3♀♀; Uşak (Çamyuva), 15.06.2012, 4♀♀; İzmir (Kiraz), 13.07.2012, 13♀♀.

#### 4. *Chrysops flavipes* (Linne, 1761)

Material examined: Uşak (Güre), 09.06.2013, 3♀♀; 11.06.2013, 12♀♀; Uşak (Derbent), 09.09.2013, 2♀♀; Marmaris (Çamlı), 16.05.2013, 3♀♀.

#### 5. *Silvius alpinus* Scopoli, 1763

Material examined: Manisa (Demirci), 07.07.2013, 1♀♀.

#### Subfamily: TABANINAE

##### Tribus: Tabanini

#### 6. *Atylotus fulvus* (Meigen, 1820)

Material examined: Denizli (Buldan), 14.07.2012, 2♀♀.

#### 7. *Atylotus loewianus* Villeneuve, 1920

Material examined: Denizli (Buldan), 14.07.2012, 1♀♀.

#### 8. *Theriopectes tricolor* Zeller, 1842

Material examined: Muğla (Fethiye-Köyceğiz), 07.05.2012 2♀♀; Muğla (Marmaris), 07.05.2012, 1♀; 10.06.2013, 2♀♀; Marmaris (Çamlı), 16.05.2013, 2♀♀; Kuşadası, 12.05.2013 2♀♀; Uşak (Güre), 16.05.2013, 1♀♀.

#### 9. *Theriopectes tunicatus* Szilady, 1927

Material examined: Muğla (Dalaman), 16.05.2013, 1♀♀.

#### 10. *Hybomitra acuminata* (Loew, 1858)

Material examined: Denizli (Merkez), 25.05.2012, 5♀♀, Denizli (Buldan), 15.05.2013, 8♀♀.

#### 11. *Hybomitra caucasi* Szilady, 1923

Material examined: Denizli (Merkez), 25.05.2012, 4♀♀, 2♂♂.

**12. *Hybomitra caucasica* (Enderlein, 1925)**

**Material examined:** Manisa (Merkez), 23.05.2012, 3♀.

**13. *Hybomitra ciureai* (Séguy, 1937)**

**Material examined:** Denizli (Buldan), 14.07.2012, 15♀, 2 ♂; Muğla (Fethiye), 16.05.2013, 2♀; Muğla (Dalaman), 16.05.2013, 3♀; Muğla (Köyceğiz), 16.05.2013, 5♀; Muğla (Marmaris), 10.06.2012, 1♀.

**14. *Tabanus autumnalis* (Linne, 1761)**

**Material examined:** Muğla (Fethiye-Köyceğiz), 07.05.2012, 1♀ 11.05.2013, 1♀, 16.05.2013, 1♀; Muğla (Köyceğiz), 16.05.2013, 1♀; Muğla (Datça), 11.06.2012, 1♀; Muğla (Dalaman), 16.05.2013, 1♀; Uşak (Karaağaç), 15.06.2012, 4♀, 11.05.2013 2♀ ; Uşak (Ulubey), 09.07.2012, 2♀; Uşak (Eşme), 17.05.2013, 1♀; Uşak (Merkez), 20.07.2012, 1♀; Denizli (Çal), 10.07.2012, 3♀; Denizli (Buldan), 14.07.2012, 2♀; 14.05.2013, 8 ♀♀.

**15. *Tabanus bifarius* Loew, 1858**

**Material examined:** Denizli (Cankurtaran), 09.06.2012, 15♀ 12.05.2013 5♀, 12.08.2013 3♀; Denizli (Pamukkale), 08.06.2012, 7♀; Uşak (Merkez), 11.06.2012, 4♀; 20.07.2012, 6♀; Uşak (Eşme), 09.06.2013, 2♀; 20.07.2012 1♀; 17.05.2013 1♀; Uşak (Çamyuva), 15.06.2012, 4 ♀♀; Uşak (Güre), 09.06.2013, 4♀; Uşak (Karaağaç), 15.06.2012, 1♀; Manisa (Merkez), 11.06.2012, 3♀ 10.06.2013 3♀; Manisa (Demirci), 07.07.2013, 1♀; Denizli (Honaz Dağı), 12.06.2012, 5♀; 10.06.2013, 4♀; Muğla (Fethiye-Köyceğiz), 07.05.2012, 4♀; 05.06.2012 2♀; 16.05.2013 1♀; Muğla (Marmaris), 07.05.2012, 1♀; 10.06.2012, 9♀; 11.05.2013 2♀, 13.08.2013 2♀, 11.06.2013, 4♀; Marmaris (Değirmen), 16.05.2013, 1♀; Muğla (Fethiye), 16.05.2013, 4♀; Muğla (Köyceğiz), 16.05.2013, 1♀; Muğla (Datça), 11.06.2012, 2♀; Muğla (Değirmen), 16.05.2013, 1♀; Kuşadası, 15.05.2013, 14♀; Aydın (Karacasu), 16.05.2013, 1♀; İzmir (Ödemiş, Bozdağ), 08.07.2013, 2♀.

**16. *Tabanus bromius* Linne, 1761**

**Material examined:** Uşak (Merkez), 14.07.2012, 3♀; 10.06.2013, 4♀; 07.07.2013, 4♀; 13.08.2013, 6♀; Muğla (Fethiye-Köyceğiz), 11.08.2012, 8♀, 08.07.2013 5♀, 14.08.2013, 6♀; İzmir (Ödemiş), 12.08.2012, 5♀, 10.06.2013, 4♀, Manisa (Salihli), 12.08.2012, 23♀; Denizli (Buldan), 14.07.2012, 17♀; İzmir (Kiraz), 13.07.2012, 2 3♀; Denizli (Honaz Dağı), 10.07.2012, 2♀ 12.06.2013 5♀; Denizli (Honaz), 10.07.2012, 1♀; Denizli (Çameli), 10.07.2012, 8♀; Muğla (Ula), 11.07.2012, 18♀, 06.07.2013 10♀; İzmir (Beydağı), 13.07.2012, 2♀; Uşak (Merkez), 11.06.2012, 4♀; 20.07.2012, 1♀; Uşak (Karaağaç), 15.06.2012, 10♀, 16.08.2013 7♀; Uşak (Çamyuva), 15.06.2012, 14 ♀♀; 16.06.2013, 10♀, 11.05.2013, 9♀; Muğla (Milas) , 10.06.2012, 5♀, 11.06.2013, 2♀; Denizli (Honaz Dağı), 12.06.2012, 10♀; Uşak (Ulubey) , 09.07.2012, 5♀; Denizli (Çal) , 10.07.2012, 5♀, Kuşadası 12.05.2013, 2♀; Aydın (Horsunlu), 10.06.2013, 8♀; Muğla (Ören), 12.06.2013, 8 ♀♀; 09.07.2013, 12 ♀♀; Muğla (Marmaris), 10.06.2012, 1♀; Muğla (Kale), 12.09.2013, 1♀; Muğla (Fethiye, Çameli Yolu), 10.05.2012, 3♀.

**17. *Tabanus cordiger* Meigen, 1820**

**Material examined:** Uşak (Karaağaç), 15.06.2012, 3♀; Manisa (Merkez), 11.06.2012, 3♀; İzmir (Spil Dağı), 13.07.2013, 2♀; Muğla (Marmaris), 10.06.2012, 3♀; Muğla (Fethiye, Çameli Yolu), 10.05.2012, 1♀.

**18. *Tabanus exclusus* Pandelle, 1883**

**Material examined:** Denizli (Buldan), 14.07.2012, 1♀; Denizli (Honaz), 10.07.2012, 13♀; Denizli (Buldan), 14.07.2012, 1♀; Uşak (Merkez), 20.07.2012, 1♀; Muğla (Fethiye, Çameli Yolu), 10.05.2012, 21♀; Muğla (Marmaris-Fethiye, Ula Yolu), 11.07.2012, 6♀; Muğla (Fethiye-Köyceğiz), 25.04.2012, 3♀.

**19. *Tabanus fraseri* Austen, 1924**

**Material examined:** Uşak (Derbent), 09.09.2013, 8♀; Muğla (Kavaklıdere), 11.09.2013, 1♀; İzmir (Ödemiş, Bozdağ), 01.09.2013, 2♀; İzmir (Beydağ), 11.09.2013, 1♀; Aydın

(Bazdoğan), 11.09.2013, 1♀; Muğla (Merkez), 12.09.2013, 2 ♀♀; İzmir (Beydağ, Çamedli-Alısu), 11.09.2013, 1♀.

**20. *Tabanus glaucopis* Meigen, 1936**

**Material examined:** İzmir (Dikili), 16.07.2012, 5♀♀; Denizli (Buldan) 10.07.2012 15♀♀; 14.07.2012, 4♀♀; Uşak (Merkez), 12.07.2012, 11♀♀; 20.07.2012, 2♀♀; Aydın (Nazilli), 12.07.2013, 11♀♀.

**21. *Tabanus indrae* Hauser, 1939**

**Material examined:** Muğla (Datça), 17.06.2012, 4 ♀♀.

**22. *Tabanus leleani* Austen, 1920**

**Material examined:** Uşak (Derbent), 09.09.2013, 2♀♀.

**23. *Tabanus laetitinctus* Becker, 1912**

**Material examined:** Muğla (Datça), 17.06.2012, 6 ♀♀.

**24. *Tabanus lunatus* Fabricius, 1794**

**Material examined:** Muğla (Ortaca), 11.07.2012, 15♀♀, 13.07.2013 10♀♀; Deniz (Kale), 12.07.2012, 6♀♀, Uşak (Merkez), 14.07.2012, 5♀♀; 20.07.2012, 2♀♀; İzmir (Kiraz), 13.07.2012, 32♀♀, Denizli (Honaz Dağı), 10.07.2012, 25♀♀; Denizli (Honaz), 10.07.2012, 3♀♀; Denizli (Çameli), 10.07.2012, 30♀♀; Muğla (Ula), 11.07.2012, 14♀♀; Aydın (Karacasu), 13.07.2012, 10♀♀, İzmir (Beydağı), 13.07.2012, 5♀♀, Muğla (Milas), 10.06.2012, 5♀♀ 10.06.2013 6♀♀, 09.07.2013 4♀♀; 11.06.2013, 3♀♀; Muğla (Marmaris), 10.06.2013, 7♀♀; Muğla (Fethiye, Çameli Yolu), 10.05.2012, 16♀♀; Denizli (Çal), 10.07.2012, 18♀♀; Muğla (Marmaris-Fethiye, Ula Yolu), 11.07.2012, 5♀♀; Manisa (Demirci), 07.07.2013, 3♀♀.

**25. *Tabanus maculicornis* Zettersted, 1842**

**Material examined:** Muğla (Marmaris, Değirmen), 16.05.2013, 1♀♀.

**26. *Tabanus miki* (Brauer, 1880)**

**Material examined:** Denizli (Kiraz), 13.07.2012, 1♀♀; Denizli (Honaz Dağı), 10.07.2012, 8♀♀; Denizli (Honaz), 10.07.2012, 4♀♀; Denizli (Buldan), 14.07.2012, 2♀♀; Aydın (Horsunlu), 10.06.2013, 2♀; İzmir (Beydağı), 13.07.2012, 5♀♀; İzmir (Beydağ, Çamedli-Alısu), 11.09.2013, 1♀♀; Uşak (Merkez), 14.07.2012, 3♀♀; 20.07.2012, 1♀♀; Muğla (Fethiye-Köyceğiz), 11.08.2012, 8♀♀; İzmir (Ödemiş), 12.08.2012, 15♀♀, Manisa (Salihli), 12.08.2012, 5♀♀; Muğla (Fethiye, Çameli Yolu), 10.05.2012, 1♀♀.

**27. *Tabanus nemoralis* Meigen, 1820**

**Material examined:** Uşak (Eşme), 09.06.2013, 1♀♀.

**28. *Tabanus obsolescens* (Pandelle, 1883)**

**Material examined:** Manisa (Turgutlu) 15.06.2012, 4 ♀♀; Denizli (Buldan) 12.06.2012 2♀♀; Denizli (Honaz), 10.07.2012, 2♀♀; İzmir (Ödemiş, Bozdağ), 01.09.2013, 4♀♀; 11.09.2013, 1♀♀; İzmir (Beydağ), 11.09.2013, 1♀♀; İzmir (Beydağ, Çamedli-Alısu), 11.09.2013, 17♀♀; Muğla (Merkez), 12.09.2013, 43♀♀; Muğla (Kale), 12.09.2013, 21♀♀; Muğla (Kavaklıdere), 11.09.2013, 27♀♀; Aydın (Bazdoğan), 11.09.2013, 21♀♀; Uşak (Derbent), 09.09.2013, 3♀♀; Muğla (Milas, Labranda), 09.07.2013, 1♀♀.

**29. *Tabanus oppugnator* Austen, 1925**

**Material examined:** Uşak (Güre), 08.06.2013, 2♀♀.

**30. *Tabanus prometheus* Szilady, 1923**

**Material examined:** Uşak (Merkez), 11.06.2012, 2♀♀.

**31. *Tabanus portschinskii* Olsufjev, 1937**

**Material examined:** Uşak (Merkez), 15.07.2012, 8♀♀; Denizli (Buldan) 10.07.2012 2♀♀.

**32. *Tabanus quatuornotatus* Meigen, 1820**

**Material examined:** Denizli (Pamukkale), 06.05.2012, 8♀♀, 1♂; 08.06.2012, 4♀♀; Denizli (Honaz), 10.05.2012, 5♀♀; Muğla (Datça-Kinidos), 07.05.2012, 6♀♀; Muğla (Marmaris-Knidos), 09.05.2012, 5♀♀; Muğla (Dalaman), 16.05.2013, 1♀♀; Muğla (Datça), 11.06.2012, 2♀♀; Muğla (Marmaris), 10.06.2012, 5♀♀; Denizli (Merkez), 25.05.2012, 5♀♀, 2♂♂; İzmir (Spil Dağı), 14.06.2012, 9♀♀; Aydın (Kuşadası), 12.05.2013, 5♀♀; Aydın (Karacasu),

16.05.2013, 12♀♀; Uşak (Eşme), 17.05.2013, 7♀♀; 20.07.2012, 6♀♀; Uşak (Merkez), 11.06.2012, 3♀♀; 20.07.2012, 12♀♀; Uşak (Güre), 09.06.2013, 1♀♀; Uşak (Karaağaç), 15.06.2012, 1♀♀.

**33. *Tabanus regularis* Jaennicke, 1866**

**Material examined:** İzmir (Kemalpaşa), 10.05.2012, 2♀♀; Muğla (Fethiye-Köyceğiz), 07.05.2012, 2♀♀; Denizli (Kiraz), 13.07.2012, 1♀♀; Muğla (Milas, Labranda), 09.07.2013, 4♀♀; Muğla (Fethiye, Çameli Yolu), 10.05.2012, 3♀♀; Muğla (Gökova), 11.07.2013, 1♀♀.

**34. *Tabanus rupium* (Brauer & Bergenstamm, 1880)**

**Material examined:** Denizli (Honaz Dağı), 10.07.2012, 1♀; Denizli (Honaz), 10.07.2012, 1♀♀; Uşak (Karaağaç), 15.06.2012, 5♀♀; Uşak (Çamyuva), 15.06.2012, 4 ♀♀; Uşak (Eşme), 17.05.2012, 2♀♀; 20.07.2012, 16♀♀; Muğla (Marmaris), 10.06.2012, 2♀♀; Muğla (Datça), 11.06.2012, 2♀♀; Uşak (Merkez), 20.07.2012, 6♀♀; Aydın (Karacasu), 16.05.2013, 1♀♀; Uşak (Güre), 09.06.2013, 1♀♀; Uşak (Güney), 17.05.2013, 1♀♀.

**35. *Tabanus spodopterus* Meigen, 1820**

**Material examined:** Denizli (Honaz Dağı), 10.07.2012, 4♀♀; Denizli (Çameli), 10.07.2012, 4♀♀; Denizli (Buldan) 12.07.2012 12♀♀. Muğla (Ula), 11.07.2012, 4♀♀; Muğla (Ortaca), 11.07.2012, 2♀♀; Denizli (Kale), 12.07.2012, 1♀; Aydın (Karacasu), 13.07.2012, 4♂♂; İzmir (Beydağı), 13.07.2012, 2♀♀; İzmir (Kiraz), 13.07.2012, 6♀♀; Uşak (Merkez), 14.07.2012, 2♀♀; Muğla (Fethiye-Köyceğiz), 11.08.2012, 2♀♀; Muğla (Marmaris-Fethiye, Ula), 2♀♀; Muğla (Fethiye-Köyceğiz), 20.04.2012, 1♀♀; Muğla (Fethiye, Çamedli), 2♀♀; Muğla (Milas, Labranda), 09.07.2013, 1♀♀.

**36. *Tabanus spodopteroideus* Olsufjev, Moucha & Chvála, 1969**

**Material examined:** Denizli (Honaz Dağı), 10.07.2012, 11♀♀; Denizli (Çameli), 10.07.2012, 4♀♀; Uşak (Güre), 09.06.2013, 1♀♀; Muğla (Fethiye-Çameli Yolu), 10.05.2012, 1♀♀.

**37. *Tabanus sudeticus* Zeller 1842**

**Material examined:** Denizli (Buldan) 12.07.2012 2♀♀.

**38. *Tabanus tunicatus* Szilady, 1927**

**Material examined:** Muğla (Fethiye) 17.05.2013, 2 ♀♀

**39. *Tabanus tinctus* (Walker, 1850)**

**Material examined:** Denizli (Buldan) 12.07.2012 2♀♀; Aydın (Karacasu), 13.07.2012, 4♂♂; 2♀♀; Uşak (Merkez), 14.07.2012, 3♀♀.

**40. *Tabanus tergestinus* Egger, 1859**

**Material examined:** Muğla (Köyceğiz), 07.05.2012, 15♀♀; 16.05.2013, 1♀; Muğla (Fethiye) 15.05.2013, 10 ♀♀; Kuşadası, 15.05.2013, 14♀♀.

**41. *Tabanus unifasciatus* Loew, 1858**

**Material examined:** Uşak (Çamyuva), 15.06.2012, 4 ♀♀; Uşak (Karaağaç), 15.06.2012, 6♀♀; Uşak (Merkez), 20.07.2012, 7♀♀; Muğla (Fethiye) 15.05.2013, 4 ♀♀; Muğla (Datça), 11.06.2012, 2♀♀; Uşak (Eşme), 20.07.2012, 2♀♀; Muğla (Marmaris), 10.06.2012, 4♀♀.

**Tribus: Haematopotini**

**42. *Haematopota bigoti* Gobert, 1880**

**Material examined:** İzmir (Dikili), 16.07.2012 1♀♀.

**43. *Haematopota longeantennata* (Olsufjev 1937)**

**Material examined:** Aydın (Karacasu), 10.06.2013, 2♀♀.

**44. *Haematopota grandis* Meigen 1820**

**Material examined:** Muğla (Datça), 17.06.2012, 6 ♀♀.

**45. *Haematopota ocelligera* (Krober 1922)**

**Material examined:** Muğla (Fethiye), 08.06.2013 9 ♀♀.

**46. *Haematopota pallens* Loew 1871**

**Material examined:** İzmir (Dikili), 16.07.2012 2♀♀.

**47. *Haematopota subcylindrica* Pandelle, 1883**

**Material examined:** Uşak (Merkez), 12.06.2012, 5♀♀.

**48. *Haematopota italica* Meigen, 1804**

**Material examined:** Muğla (Fethiye- Köyceğiz), 07.05.2012, 5♀♀, Muğla (Marmaris), 07.05.2012, 1♀.

**Tribus: Diachlorini****49. *Dasyrhamphis carbonarius* (Meigen, 1820)**

**Material examined:** Muğla (Marmaris), 07.05.2012, 1♀; 10.06.2012, 2♀♀; Marmaris (Çamlı), 16.05.2013, 2♀♀; Muğla (Dalaman), 16.05.2013, 1♀♀; Denizli (Honaz Dağı), 12.06.2012, 2♀♀; Uşak (Merkez), 12.06.2012, 2♀♀; 14.06.2013, 4 ♀♀; Uşak (Eşme), 20.07.2012, 1♀♀; Aydın (Karacasu), 10.06.2013, 2♀♀.

**50. *Dasyrhamphis umbrinus* (Meigen, 1820)**

**Material examined:** Denizli (Pamukkale), 06.05.2012, 1♀, Muğla (Fethiye- Köyceğiz), 07.05.2012, 2♀♀; Muğla (Marmaris), 07.05.2012, 6♀♀; Muğla (Köyceğiz), 16.05.2013, 2♀♀; Muğla (Fethiye), 16.05.2013, 2♀♀; Marmaris (Çamlı), 16.05.2013, 1♀♀; Muğla (Datça-Kinidos), 07.05.2012, 1♀; Muğla (Dalaman), 16.05.2013, 1♀♀; Denizli (Honaz Dağı), 12.06.2012, 5♀♀; İzmir (Spil Dağı), 14.06.2012, 7♀♀; Aydın (Kuşadası), 12.05.2013, 1♀♀; Uşak (Güney), 17.05.2013, 1♀♀.

**51. *Philipomyia aprica* (Meigen, 1820)**

**Material examined:** Uşak (merkez), 15.07.2012, 12♀; Uşak (Güre), 09.06.2013, 6♀♀; Kuşadası, 15.05.2013, 12♀♀; Muğla (Fethiye), 16.05.2013, 1♀; 08.06.2013 9 ♀♀, 6 ♂♂; İzmir (Ödemiş, Bozdağ), 08.07.2013, 9♀♀.

**52. *Philipomyia graeca* (Fabricius, 1794)**

**Material examined:** Muğla (Fethiye- Köyceğiz), 07.05.2012, 12♀♀; 13.06.2013, 22 ♀♀; Muğla (Marmaris), 07.05.2012, 12♀♀; Marmaris (Çamlı), 16.05.2013 2♀♀; Muğla (Datça-Kinidos), 07.05.2012, 3♀♀, Muğla (Milas), 10.06.2012, 25♀♀, Milas (Labranda), 11.06.2013, 2♀♀; Muğla (Köyceğiz), 16.05.2013, 5♀♀; Muğla (Dalaman), 16.05.2013, 2♀♀.

Totally, in the previous studies, 51 species were reported from Aegean Region, based on this study 16 species firstly reported from this region; *Atylotus loewianus* Villeneuve, 1920, *Hybomitra caucasi* Szilady, 1923, *Tabanus cordiger* Meigen, 1820, *Tabanus fraseri* Austen, 1924, *Tabanus miki* (Brauer, 1880), *Tabanus maculicornis* Zetterstedt, 1842, *Tabanus nemoralis* Meigen, 1820, *Tabanus oppugnator* Austen, 1925, *Tabanus portschinskii* Olsufjev, 1937, *Tabanus spodopteroideus* Olsufjev, Moucha & Chvála, 1969, *Tabanus sudeticus* Zeller 1842, *Tabanus tergestinus* Egger, 1859, *Tabanus tunicatus* Szilady, 1927 *Tabanus unifasciatus* Loew, 1858 ve *Haematopota italica* Meigen, 1804.

Results of the study indicated that the *Tabanus bromius* as the most abundant species with 18%. It was determined in previous studies that *Tabanus bromius* most abundant species in the any habitats (Kılıç, 1992; 2001c; 2004; 2005b; Yücel 1987). This species followed by *Tabanus lunatus* (%13,3) and *Tabanus obsolescens* (%8,8). These tree species made up 40.1 % of the horse fly fauna on the study area.

This study not contains all species for west aegean region, but shows the importance of periodic studies and isolated areas for faunistic studies. In addition, can be inferred that the species, which known as unique can be observed in many different areas.

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