

Research article

Updated checklist of Braconinae (Hymenoptera, Ichneumonoidea, Braconidae) in Türkiye

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Abstract: The Braconinae (Hymenoptera: Braconidae) species recorded from Turkey until the end of 2020 are listed, the present total number being 201. Changes with respect to the previous Turkish fauna are briefly annotated and the distributions for all the species in each of the 78 biogeographical provinces of Turkey are presented. Seventynine of the species covered by the checklist are distributed only in Asian Turkey and 3 species are distributed only in European Turkey, while 118 species occur in both regions. The presented checklist covers synonyms, zoogeographical region(s), hosts, host plants of the host species and parasitoid data for the species. In total, 201 species belonging 9 genera are reported for the studied regions of Turkey. The number of species of each genus is represented by: *Atanycolus* Foester, 1862: 4, *Baryproctus* Ashmead, 1900: 1, *Bracon* Fabricius, 1804: 154, *Ceratobracon* Telenga, 1936: 1, *Coeloides* Wesmäl, 1838: 3, *Glyptomorpha* Holmgren, 1868: 7, *Iphiaulax* Foerster, 1862: 9, *Pseudovipio* Szépligeti, 1896: 10, *Vipio* Latreille, 1804: 13 species.

Keywords: Hymenoptera, Ichneumonoidea, Braconidae, checklist

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Introduction

Braconinae is the largest subfamily of Braconidae, comprises small to large wasps with more than 3,054 described species of 190 genera in the world. The braconid wasps are extremely diverse and play significant role for control of economic insect pests. Braconinae species are recognized as idiobiont ectoparasitoids of concealed larvae of species of 66 families of Calcidoidea, Coleoptera, Diptera, Hemiptera, Hymenoptera and Lepidoptera as hosts (Yu et al., 2016). Ectoparasitism during larval life of braconids occurs in only one group of closely related subfamilies, called the cyclostome group, represented by Doryctinae, Braconinae, Histeromerinae and Rogadinae. The relationship of a parasitoid to its host can be defined in another way, reflecting the extent to which active life of the host

continues after being parasitized (Haeselbarth, 1983; Askew & Shaw, 1986). In other words, parasitoids that do not allow any significant activity or development in the host after the attack are called idiobionts. Idiobionts have at least the potential for relatively broader host ranges than koinobionts (Shaw & Huddleston, 1991; Wharton, 1993). In total, 201 species belonging 9 genera are reported for the studied regions of Turkey. The largest of these genera is *Bracon* and covers 9 subgenera (*Asiabracon*, *Cyanopterobracon*, *Glabrobracon*, *Habrobracon*, *Lucobracon*, *Osculobracon*, *Pigeria* and *Rostrobracon*). Seventy-six percent of the 2001 species identified in this study belong to the *Bracon* genus). The hosts all share a moderate degree of concealment, usually in living plant tissues and typically include inhabitants of tree barks, stems of annual and biennial plants,

galls and seed heads or vessels, but some are case-bearers. Leaf rollers and endophytic hosts that are only weakly concealed such as leaf-miners, as well as those living fully concealed in hard wood, are much less regularly attacked. Several braconines attack economically important hosts: i.e. some Braconids parasitise forestry pests, and there are other *Bracon* species that attack stored products pests such as flour moths. In warm temperate climates, some *Bracon* species regularly parasitise weevil grubs and caterpillars damaging field crops like cotton and maize, including in a few cases more or less exposed noctuid larvae (Shaw & Huddleston, 1991). Tomato pests (such as *Tuta absoluta* (Meyrick, 1917) (Lepidoptera, Gelechiidae) which have recently entered our country from other faunal areas, are being parasitized by native braconid species (Doğanlar & Yiğit, 2011).

Material and Methods

Most of the data for the checklist were assembled from the previously published records by the authors. Publications consulted for distribution data include Kohl (1905), Fahringer & Friese (1921), Fahringer (1922, 1926, 1928, 1934), Hagan (1929), Reed (1935), Schimitschek (1941, 1944) and Belshaw et al., (2001). However, a number of records have been given based on materials Collected during touristic excursions or sent for identification. The

first studies aiming to reveal the Braconinae fauna of Turkey were started by the author in 1979. Materials were collected and evaluated from all regions of Turkey (except Ağrı, Ardahan, and Şırnak provinces) by Beyarslan (1986a, 1986b, 1987a, 1987b, 1988, 1991, 1992, 1996, 1999, 2001, 2002a, 2002b, 2009, 2010, 2011, 2016), Beyarslan et al., (2018, 2006a, 20008a, 20005, 2008b, 2o10, 2014, 2002a, 2002b, 2006b), Beyarslan and Inanç (1994), Beyarslan and Cetin Erdogan (2010, 2011, 2012), Beyarslan and Fischer (1990), Beyarslan and Şahin (2018), Beyarslan and Tobias (2008) (Figure 1).

Additionally, other researchers have contributed to the identification of the Turkish Braconidae fauna by Bolu et al., (2009), Capek and Hofmann (1997), Cikman et al., (2006). Fischer (1978). Haeselbarth (1983). Gozuacik et al., (2008). Guclu and Ozbek (2011), Guler & Cagatay (2001, 2007), Gultekin (2005), Gultekin and Korotyaev (2005), Papp (2000, 2001, 2008, 2012). Tamer (1995), van Achterberg (1993, 1996), Yasarakinci and Kornosor (1990) and Zeki et al., (1999). Information on parasitoids, hosts, general distributions (in terms of zoogeographical region) and parasitoids of species were given according to Belokobylskij and Tobias (2000), Beyarslan and Fischer (1990), Shenefelt (1978), Tobias (1958, 1986), and Yu et al., (2016). In the text, the host plants of host species are shown in brackets.

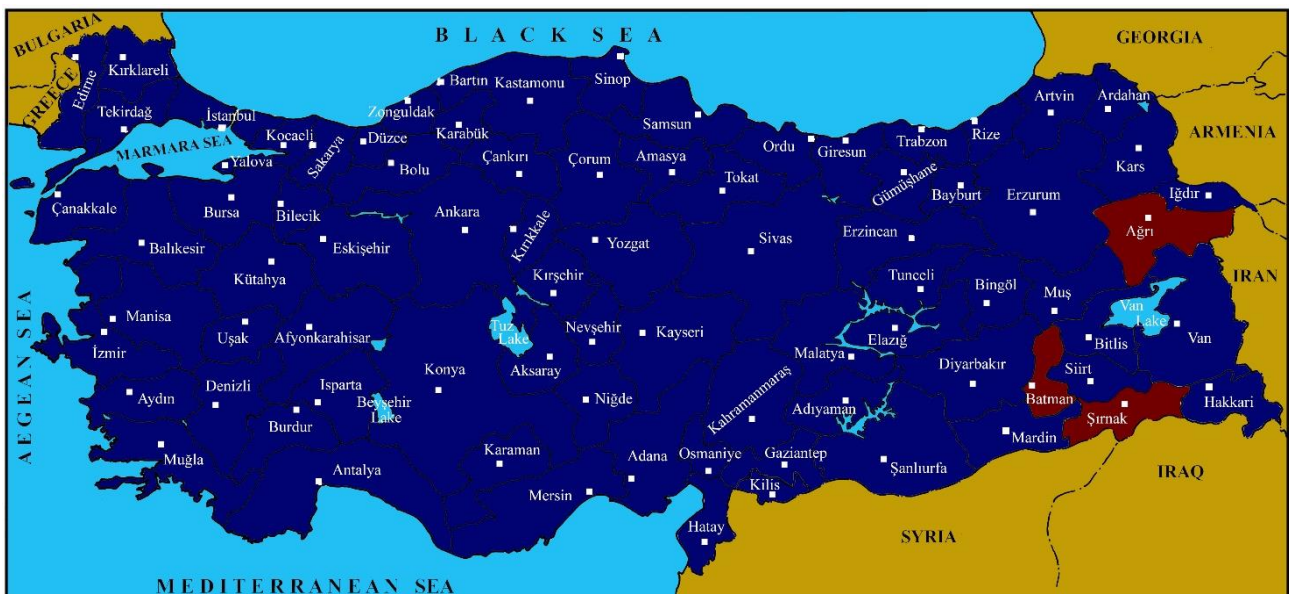


Figure 1. The provinces of Turkey with and without Braconinae species registration (dark blue: provinces with Braconinae registration and brown-red: provinces without Braconinae registration).

Results

Until the end of 2020, 201 Braconinae species (Hymenoptera, Braconidae) belonging to 9 genera (Table 1) were recorded from 78 provinces of Turkey (Figure 1). Seventynine these species are distributed only in Asian Turkey, 3 in European Turkey and 119 in both regions (Table 1).

Genus *Atanycolus* Foester, 1862

Atanycolus Foerster 1862. 19: 225-288.

Atanycolus fulviceps (Kriechbaumer, 1898)

Coeloides fulviceps Kriechbaumer, 1898. 24, 246.

Atanycolus fulviceps: Szépligeti 1901. 33, 176.

Distribution in Türkiye. Türkiye (Fahringer, 1926).

Kırklareli, Tekirdağ (Beyarslan, 1987a). Adana, Tekirdağ (Beyarslan, 1999). Ankara, Elazığ, Kırklareli, Malatya (Beyarslan & Cetin Erdogan, 2012). Adana, Ankara, Elazığ, Kırklareli, Malatya, Tekirdağ (Beyarslan et al., 2014). Checklist (Beyarslan, 2014).

Zoogeographic region. Western Palaearctic.

Distribution. Czechoslovakia, Germany, Hungary, Türkiye, Ukraine.

Atanycolus initiator (Fabricius, 1793)

Ichneumon initiator Fabricius, 1793. 2, 161.

Atanycolus initiator. Szépligeti, 1901. 33, 177.

Synonym. *Atanycolus flaviceps* Fahringer, 1941; *Atanycolus mongolicus* Telenga, 1936; *Bracon genalis* (Szepligeti, 1905), *Vipio temporalis* ?, ?.

Distribution in Türkiye. Hatay (Fahringer, 1922). Türkiye (Fahringer, 1926). Türkiye (Schimitschek, 1944). Adana (Beyarslan, 1999). Antalya (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Austria, Azerbaijan, Belgium, China, Croatia, Czech Republic, Former Czechoslovakia, Finland, France, Germany, Hungary, Italy, Japan, Latvia, Lithuania, Mongolia, Norway, Poland, Russia, Slovakia, Spain, Sweden, Switzerland, Türkiye, Turkmenistan, Ukraine, United Kingdom.

Hosts. **Coleoptera.** **Cerambycidae.** *Acanthocinus aedilis* (Linnaeus, 1758), *A. griseus* (Fabricius, 1792), *A. reticulatus* (Razoumowsky, 1789). *Arhopalus coreanus* (Sharp, 1905), *A. rusticus rusticus* (Linnaeus,

1758), *A. syriacus* (Reitter, 1895). *Asemum striatum* (Linnaeus, 1758), *Callidium abdominale* Olivier, 1795, *C. coriaceum* Paykull, 1800, *C. rufipenne* Aurivillius, 1912, [*Cryptomeria japonica*]. *Clytus* sp. [*Quercus conferta*], *Cerambyx scopoli* Füssli, 1775, *Leioderus kollari* Redtenbacher, 1849, *Monochamus galloprovincialis* (Olivier, 1795), *Monochamus sutor* (Linnaeus, 1758), *Phymatodes pusillus pusillus* (Fabricius, 1787), *Rhagium bifasciatum* Fabricius, 1775 [*Picea excelsa*], *R. inquisitor* (Linnaeus, 1758), *Saperda punctata* (Linnaeus, 1767), *Stenostola ferrea* (Schrank, 1776) [*Tilia parvifolia*], *Tetropium castaneum* (Linnaeus, 1758). [*Picea excelsa*], *T. fuscum* (Fabricius, 1787), *T. gabrieli* Weise, 1905, *T. gracilicorne* Reitter, 1889.

Curculionidae. *Hylesinus crenatus* Fabricius, 1787. *Ips subelongatus* Motchulsky, 1860, *I. typographus* (Linnaeus, 1758). *Niphades variegatus* (Faust, 1890). *Pissodes notatus* (Fabricius, 1787), *P. obscurus* Roelofs, 1874. *Shirahoshizo insidiosus* (Roelofs, 1875), *S. pini* Morimoto, 1962. **Buprestidae.** *Chrysobothris solieri* Laporte Gory, 1839. *Lamprodila mirifica* (Mulsant, 1855). *Melanophila cyanea* (Fabricius, 1775). *Phaenops guttulata* (Gebler, 1830). **Scolytidae.** *Blastophagus piniperda* (Linné, 1758). **Hymenoptera.** **Argidae.** *Arge cyaneocrocea* (Förster, 1771), *A. pagana* (Panzer, 1798). **Lepidoptera.** **Sesiidae.** *Sesia apiformis* (Clerck, 1759). *Synanthedon flaviventris* (Staudinger, 1883), *S. vespiformis* (Linnaeus, 1761).

**Atanycolus ivanowi* (Kokujev, 1898)

Vipio (Atanycolus) ivanowi Kokujev, 1898. 32, 345-411. *Atanycolus ivanowi*. Szépligeti, 1901. 33, 176.

Synonym. *Atanycolus signatus* Szépligeti; 1901; *Bracon sculpturatus* Thomson, 1892.

Distribution in Türkiye. Diyarbakir (Bolu et al., 2009). Sivas (Beyarslan & Cetin Erdogan, 2012). Diyarbakir, Sivas (Beyarslan et al., 2014). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Armenia, Austria, Azerbaijan, China, Croatia, Czech Republic, Czechoslovakia, Finland, France, Germany, Greece, Hungary, Iran, Italy, Japan, Kazakhstan, Portugal, Russia, Slovakia,

Switzerland, Tajikistan, Türkiye, Turkmenistan, Ukraine, Uzbekistan, Former Yugoslavia.

Hosts. Coleoptera. Cerambycidae. *Arhopalus syriacus* (Reitter, 1895), *Leptura rubra* Linnaeus, 1767, *Monochamus galloprovincialis* (Olivier, 1795) [*Pinus pinaster*], *Tetropium fuscum* (Fabricius), *T. gabrieli* Weise, 1905. **Buprestidae.** *Anthaxia aurulenta* (Fabricius, 1787), *Chrysobothris solieri* Laporte & Gory, 1839, *Lamprodila mirifica* (Mulsant, 1855), *Melanophila picta decastigma* (Fabricius, 1787), *Osphranteria coerulea inaurata* Holzschuh, 1981, *Sphenoptera tappesi* Marseul, 1866 [*Prunus persica*].

***Atanycolus neesii* (Marshall, 1897)**

Coeloides (Atanycolus) neesii Marshall, 1897. 5: 120.
Atanycolus neesi (ii): Szépligeti, 1901. 33, 176.

Distribution in Türkiye. Hatay (Fahringer, 1922). Türkiye (Fahringer, 1926). Tekirdağ (Beyarslan, 1999). Checklist (Beyarslan, 2014).

Distribution. Palaearctic.

Genus *Baryproctus* Ashmead, 1900

Baryproctus Ashmead, 1900. 1-220.

****Baryproctus barypus* (Marshall, 1885)**

Bracon barypus Marshall, 1885. 1-280.

Baryproctus barypus: Fahringer, 1927.

Synonym. *Baryproctus apti* Györfi, 1953; *B. caucasicus* Telenga, 1936; *B. hungaricus* Szépligeti, 1901.

Distribution in Türkiye. Imbros (Gokceada) (Beyarslan, 1999). (Beyarslan et al., 2002b). Ankara, Elazığ, Erzincan, Yozgat (Beyarslan & Cetin Erdogan, 2012). Iğdır (Beyarslan, 2016). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Azerbaijan, Czechoslovakia, France, Germany, Greece, Hungary, Israel, Kazakhstan, Moldova, Russia, Slovakia, Spain, Sweden, Switzerland, Türkiye, Ukraine, United Kingdom, Former Yugoslavia.

Hosts. Diptera. Chloropidae. *Lipara rufitarsis* Loew, 1858, *L. similis* Schiner, 1854, *Platycephala planifrons* (Fabricius, 1798).

Genus *Bracon* Fabricius, 1804

Bracon Fabricius, 1804. 1-439, 1-32.

Subgenus *Asiabracon* Tobias, 1957

***Bracon (Asiabracon) quadrimaculatus* Telenga, 1936**

Bracon quadrimaculatus Telenga, 1936. 5(2), 1-402.

Bracon (Asiabracon) quadrimaculatus. Tobias, 1957. 476-500.

Synonym. *Bracon (Asiabracon) amaculatus* Beyarslan, 1988 is synonymized with *B. (A.) quadrimaculatus* Telenga, 1936.

Distribution in Türkiye. Adana, Mersin (Beyarslan, 1988, 1999). Adana, Hatay, Mersin (Beyarslan, 2001) Aydın, Balıkesir, Tekirdağ (Beyarslan et al., 2010). Adıyaman, Mardin, Sivas, Şanlıurfa (Beyarslan et al., 2014). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Afghanistan, Azerbaijan, Greece, Iran, Israel, Türkiye, Turkmenistan.

Hosts. Lepidoptera. Noctuidae. *Helicoverpa armigera* Hübner, 1808, *H. zea* (Boddie, 1850), **Subgenus *Bracon* s.str.** Fahringer, 1927, 319. *Bracon (Bracon) bachtiae* Beyarslan, 2012 *Bracon (Bracon) bachtiae* Beyarslan, 2012. 3343, 45-56.

Distribution in Türkiye. Kastamonu. (Beyarslan & Çetin Erdoğan, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Western Palaearctic.

Distribution. Türkiye.

***Bracon (Bracon) chagrunicus* Beyarslan, 2002**

Bracon (Bracon) chagrunicus Beyarslan, 2002a. 57(2), 139-146.

Distribution in Türkiye. Afyon, Bursa, Tekirdağ, Usak (Beyarslan, 2002a). Kastamonu (Beyarslan et al., 2005). Amasya, Çorum, Tokat (Beyarslan et al., 2008a). Amasya, Ankara, Artvin, Bursa, Erzincan, Eskişehir, Kırşehir, Konya, Malatya, Sinop, Sivas, Tokat, Tunceli (Beyarslan & Cetin Erdogan, 2012). Ardahan, Iğdır Kars (Beyarslan, 2016). Sivas (Beyarslan et al., 2018). Bitlis (Beyarslan & Şahin, 2018). Checklist (Beyarslan, 2014).

Zoogeographic region. Western Palaearctic.

Distribution. Türkiye.

***Bracon (Bracon) curticornis* (Brues, 1924)**

Microbracon curticornis Brues, 1924. 19, 1-150.

Bracon (Bracon) curticornis. Shenefelt, 1978. 1425-1872.

Distribution in Türkiye. Kırklareli (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Afrotropical, Western Palaearctic.

Distribution. South Africa, Türkiye.

Bracon (Bracon) depressiusculus Szépligeti, 1904

Bracon spurnensis Hincks, 1951. 232-233

Bracon (Bracon) spurnensis. Shenefelt, 1978. 1425-1872.

Bracon (Bracon) depressiusculus Szépligeti, 1904

Synonym. *Bracon rugulosus* Szépligeti, 1901

Distribution in Türkiye. Trabzon (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Armenia, Azerbaijan, Hungary, Kazakhstan, Lithuania, Romania, Slovakia, Sweden, Switzerland, United Kingdom, Türkiye, United Kingdom.

Bracon (Bracon) fulvipes Nees, 1834

Bracon fulvipes Nees, 1834. 1-320.

Bracon (Bracon) fulvipes. Telenga, 1936. 5 (2), 236.

Synonym. *Bracon carinatus* Szépligeti, 1901; *B. kiritshenkoi* Telenga, 1936; *B. sylvanus* Greese, 1928.

Distribution in Türkiye. Adana, Antalya, Burdur, Gaziantep, Hatay, Mersin, Kahramanmaraş, (Beyarslan, 1986b). Kırklareli, Tekirdağ (Beyarslan, 1987a). Adana, Adapazarı, Antalya, Balıkesir, Bilecik, Burdur, Bursa, Edirne, Elazığ, Erzincan, Hatay, Mersin, Isparta, Istanbul, Izmit, Kahramanmaraş, Tekirdağ (Beyarslan, 1999). Imbros, Tenedos (Beyarslan et al., 2002b). Bartın, Bolu, Düzce, Kastamonu, Karabük, Sinop, Zonguldak (Beyarslan et al., 2005). Tekirdağ (Beyarslan et al., 2006a). Ankara (Guler & Cagatay, 2007). Amasya, Ordu, Samsun, Tokat (Beyarslan et al., 2008a). Aksaray, Amasya, Ankara, Artvin, Balıkesir, Bayburt, Çorum, Elazığ, Erzincan, Eskişehir, Gümüşhane, Imbros, Kayseri, Kırıkkale, Kırşehir, Konya, Malatya, Nevşehir, Ordu, Samsun, Sivas, Tokat, Trabzon, Yozgat, Zonguldak (Beyarslan & Cetin Erdogan, 2012). Mardin (Beyarslan et al., 2014). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Afghanistan, Algeria, Austria, Azerbaijan, Belgium, Bulgaria, Croatia, Czechoslovakia, Denmark, Finland, France, Georgia, Germany, Greece, Hungary, Iran, Ireland, Israel, Italy, Kazakhstan, Korea, Lithuania, Macedonia, Moldova, Mongolia, Netherlands, Poland, Romania, Russia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Tunisia, Türkiye, Ukraine, United Kingdom, Uzbekistan, Former Yugoslavia.

Hosts. Coleoptera. Curculionidae. *Apion cyanescens* Gyllenhal, 1833. [*Cistus albidus*, *Cistus salvifolius*], *A. minimum* Herbst, 1797 [*Salix elaeagnos*]. *Ceutorhynchus assimilis* (Paykull, 1792). *Curculio villosus* Fabricius & J.C., 1781. *Mononychus pseudacori* Schoenherr 1825, *M. punctumalbum* (Herbst, 1784).

Diptera. Cecidomyiidae. *Giraudiella inclusa* (Frauenfeld, 1862). [*Phragmites australis*].

Lonchaeidae. *Dasiops latifrons* (Meigen, 1826). *Lonchaea parvicornis* Meigen, 1882 [*Cynodon dactylon*].

Tephritidae. *Andricus terminalis* (Hartig, 1840).

Hymenoptera. Cephidae. *Tetramesa brevicollis* (Walker, 1836), *Tetramesa hyalipennis* Walker, 1832, *Tetramesa maritima* Hedicke, 1921. **Cynipidae.** *Biorhiza pallida* (Olivier, 1791).

Tenthredinidae. *Pontania viminalis* (Linnaeus, 1758). **Lepidoptera.**

Coleophoridae. *Coleophora coronillae* Zeller, 1849.

Sesiidae. *Paranthrene tabaniformis* (Rottemburg, 1775).

****Bracon (Bracon) gusaricus* Telenga, 1933**

Bracon (Orthobracon) gusaricus Telenga, 1933, 242-244.

Bracon (Bracon) gusaricus. Fahringer, 1933, 321-594.

Synonym. *Bracon depressus* Telenga, 1936; *B. pulcherrimus* Telenga, 1936.

Distribution in Türkiye. Kastamonu (Beyarslan et al., 2005). Aksaray, Erzincan (Beyarslan & Çetin Erdoğan, 2012). Gaziantep, Kırşehir, Malatya, Sivas (Beyarslan & Cetin Erdogan, 2012). Mardin (Beyarslan et al., 2014). Erzurum, Iğdır, Kars (Beyarslan, 2016). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Afghanistan, Azerbaijan, Bulgaria, Georgia, Iran, Israel, Russia, Switzerland, Türkiye, Turkmenistan, Uzbekistan.

***Bracon (Bracon) intercessor* Nees, 1834**

Bracon intercessor Nees, 1834. 1-320.

Bracon (Bracon) intercessor. Fahringer, 1927. 1(4-6), 320.

Synonym. *Bracon adjunctus* Szépligeti, 1901; *B. bisinuatus* Szépligeti, 1901; *B. dubiosus* Szépligeti, 1901; *B. duplicatus* Szépligeti, 1901; *B. elegans* Szépligeti, 1901; *B. erythrostictus* Marshall, 1885; *B. fallaciosus* Szépligeti, 1901; *B. fulvus* Szépligeti, 1896; *B. fumigatus* Szépligeti, 1896; *B. hemirugosus* Szépligeti, 1896; *B. kachetinus* Telenga, 1933; *B. lativentris* Cresson, 1865; *B. maslovskii* Telenga, 1936; *B. mixtus* Szépligeti, 1901; *B. mundus* Szépligeti, 1901; *B. nitidiusculus* Szépligeti, 1901; *B. rhynchiti* Greese, 1928; *B. rufiscapus* Szépligeti, 1901; *B. segregatus* Telenga, 1936; *B. subtilis* Szépligeti, 1901; *B. suspectus* Szépligeti, 1901; *B. universitatis* Dalla Torre, 1898; *B. vigilax* Kokujev, 1912.

Distribution in Türkiye. Adana, Antalya, Burdur, Gaziantep, Hatay, Mersin, Kahramanmaraş, (Beyarslan, 1986b). Kırklareli, Tekirdağ (Beyarslan, 1987a). Adana, Adapazarı, Antalya, Balıkesir, Bilecik, Burdur, Bursa, Edirne, Elazığ, Erzincan, Hatay, Mersin, Isparta, Istanbul, Izmit, Kahramanmaraş, Tekirdağ (Beyarslan, 1999). Imbros, Tenedos (Beyarslan et al., 2002b). Bartın, Bolu, Düzce, Kastamonu, Karabük, Sinop, Zonguldak (Beyarslan et al., 2005). Tekirdağ (Beyarslan et al., 2006a). Ankara (Guler & Cagatay, 2007). Amasya, Ordu, Samsun, Tokat (Beyarslan et al., 2008a). Aksaray, Amasya, Ankara, Artvin, Balıkesir, Bayburt, Çorum, Elazığ, Erzincan, Eskişehir, Gümüşhane, Imbros, Kayseri, Kırıkkale, Kırşehir, Konya, Malatya, Nevşehir, Ordu, Samsun, Sivas, Tokat, Trabzon, Yozgat, Zonguldak (Beyarslan & Cetin Erdogan, 2012). Mardin (Beyarslan et al., 2014). Checklist (Beyarslan, 2014). Ardahan, Erzurum, Iğdır, Kars (Beyarslan, 2016). Sivas (Beyarslan et al., 2018). Şanlıurfa (Altun & Çıkman, 2019).

Zoogeographic region. Palaearctic.

Distribution. Afghanistan, Albania, Austria, Azerbaijan, Belgium, Bosnia Hercegovina, Bulgaria, Canary Islands, China, Croatia, Cyprus, Czech Republic, Czechoslovakia, France, Georgia, Germany, Greece, Hungary, Iran, Israel, Italy,

Kazakhstan, Korea, Latvia, Lithuania, Macedonia, Malta, Moldova, Mongolia, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Syria, Tajikistan, Türkiye, Turkmenistan, Ukraine, United Kingdom, Uzbekistan, Former Yugoslavia.

Hosts. **Chalcidoidea.** **Eurytomidae.** *Tetramesa hyalipennis* (Walker, 1832), *T. rossica* (Rimsky-Korsakov, 1914). **Coleoptera, Attelabidae.** *Attelabus nitens* (Scopoli, 1763). **Cerambycidae.** *Agapanthia villosoviridescens* (De Geer, 1775) [*Aster tripolium*], *A. violacea* (Fabricius, 1775), *Phytoecia coerulescens* (Scopoli, 1763) [*Anchusa* sp.]. **Curculionidae.** *Anthonomus (Anthonomus) pedicularius* (Linnaeus, 1758), *A. (A.) pomorum* (Linnaeus 1758), *A. sorbi* Germar, 1821, *Curculio crux* Fabricius, 1777, *C. salicivorus* Paykull, 1792. *Lixus (Eulixus) brevirostris* Boheman 1835, *L. (E.) incanescens* Boheman 1835 [*Atriplex patula hastata*], *L. (Compsolixus) juncii* Boheman 1835. *Microlarinus lareynii* (Jacquelin du Val 1852), *M. lypriformis* (Wollaston 1861. *Sibinia femoralis* Germar, 1824. **Rhynchitidae.** *Rhynchites bacchus* (Linnaeus, 1758). **Brentidae.** *Apion opeticum* Bach, 1854. **Diptera. Agromyzidae.** *Liriomyza huidobrensis* (Blanchard, 1926). **Hymenoptera. Tenthredinidae.** *Pontania (Eupontania) acutifoliae* Zinovjev, 1985, *P. bella* (Zaddach, 1876), *P. (Eupontania) krieckbaumeri* Konow 1901, *P. (P.) nigricantis* (Kopelke, 1986) [*Salix nigricans*]. *Pontania (Eupontania) pedunculi* (Hartig, 1837). *Pontania vesicator* (Bremi-Wolf 1849), *P. (Eupontania) viminalis* (Linnaeus, 1758). **Lepidoptera. Coleophoridae.** *Augasma atraphaxidellum* (Kuznetsov, 1957). **Gelechiidae.** *Scrobipalpa obsoletella* (Fischer von Röslerstamm, 1841). **Sesiidae.** *Chamaesphacia astatifformis* (Herrich-Schäffer, 1845). *Paranthrene tabaniformis* (Rottemburg, 1775) [*Populus* sp.]. *Synanthedon culiciformis* (Linnaeus, 1758). **Tortricidae.** *Sparganothis pilleriana* (Voukassovitch, 1924). **Yponomeutidae.** *Argyresthia conjugella* Zeller, 1839.

***Bracon (Bracon) kozak* Telenga, 1936**

Bracon kozak Telenga, 1936. 5(2), 402.

Bracon (Bracon) kozak. Tobias, 1976. 1-286.

Synonym. *Bracon ovoides* Telenga, 1936; *B. shestakovi* Telenga, 1936.

Distribution in Türkiye. Kastamonu, Sinop (Beyarslan et al., 2005). Aksaray, Ankara, Artvin, Elazığ, Erzincan, Kırıkkale, Kırşehir, Nevşehir, Niğde, Samsun, Sinop, Sivas, Tunceli (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014). Erzurum, Iğdır, Kars (Beyarslan, 2016).

Zoogeographic region Palaearctic.

Distribution. Azerbaijan, Iran, Israel, Kazakhstan, Malta, Moldova, Russia, Türkiye, Turkmenistan, Uzbekistan.

***Bracon (Bracon) kuslitzkyi* Tobias, 1986**

Bracon (Bracon) kuslitzkyi Tobias, 1986. 85-149.

Distribution in Türkiye. Erzincan (Beyarslan et al., 2005), Aksaray (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Western Palaearctic.

Distribution. Moldova, Türkiye.

***Bracon (Bracon) leptus* Marshall, 1897**

Bracon leptus Marshall, 1897. 5-369.

Bracon (Bracon) leptus. Fahringer, 1927. (4-6), 323.

Synonym. *Bracon centaureae* Szepligeti, 1901; *Bracon obscuricornis* Szepligeti, 1896; *Bracon rufipalpis* Szepligeti, 1901; *Bracon rufipedator* Szepligeti, 1901.

Distribution in Türkiye. Imbros (Beyarslan et al., 2002b). Karabük, Sinop (Beyarslan et al., 2005). Tekirdağ (Beyarslan et al., 2006a). Ankara, (Guler & Cagatay, 2007). Amasya, Ordu, Samsun, Tokat (Beyarslan et al., 2008a). Adiyaman, Afyon, Aksaray, Amasya, Ankara, Bartın, Çankırı, Elazığ, Erzincan, Eskişehir, Gümüşhane, Konya, Muğla, Niğde, Sivas, Tokat, Tunceli (Beyarslan & Cetin Erdogan, 2012). Kayseri (Beyarslan et al., 2014). Checklist (Beyarslan, 2014). Ardahan, Erzurum, Kars (Beyarslan, 2016).

Zoogeographic region. Palaearctic.

Distribution. Austria, Cyprus, Czech Republic, Czechoslovakia, Georgia, Germany, Greece, Hungary, Iran, Israel, Italy, Kazakhstan, Mongolia, Romania, Russia, Spain, Türkiye, Ukraine, Uzbekistan, Former Yugoslavia.

Hosts. Lepidoptera. Gelechiidae. *Metzneria lappella* (Linnaeus, 1758).

***Bracon (Bracon) longicollis* (Wesmael, 1838)**

Bracon longicollis Wesmael, 1838. 11, 1-166.

Bracon (Bracon) longicollis. Fahringer, 1927. 221-432.

Synonym. *Braco subcylindricus* (Wesmael, 1838); *Bracon alutaceus* Szépligeti, 1901; *B. brevicauda* Thomson, 1892; *B. crassicauda* Thomson, 1892; *B. depressiusculus* Szépligeti, 1904; *B. fraudator* Marshall, 1885; *B. pallidalatus* Tobias, 1957; *B. rugulosus* Nees, 1811.

Distribution in Türkiye. Kırklareli, Tekirdağ (Beyarslan, 1987a). Imbros (Beyarslan et al., 2002b). Bartın, Bolu, Karabük, Kastamonu, Zonguldak (Beyarslan et al., 2005). Amasya, Çorum, Ordu, Samsun, Tokat (Beyarslan et al., 2008a). Adiyaman, Amasya, Ankara, Artvin, Balıkesir, Bartın, Bayburt, Bolu, Çankırı, Edirne, Elazığ, Erzincan, Eskişehir, Gümüşhane, Kastamonu, Kayseri, Kırklareli, Kırşehir, Konya, Malatya, Nevşehir, Niğde, Ordu, Rize, Samsun, Sivas, Tokat, Trabzon, Tunceli, Yozgat (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014). Bitlis (Beyarslan & Şahin, 2018).

Zoogeographic region. Oriental, Palaearctic.

Distribution. Afghanistan, Austria, Azerbaijan, Belgium, Bulgaria, China, Croatia, Cyprus.

Hosts. Diptera. Chloropidae. *Chlorops pumilionis* (Banks, 1791) [*Hordeum vulgare*].

***Bracon (Bracon) longigenis* Tobias, 1957**

Bracon (Orthobracon) longigenis Tobias, 1957. 37(2), 476-500.

Bracon (Bracon) longigenis. Tobias, 1958.

Distribution in Türkiye. Erzincan (Beyarslan et al., 2014). Checklist (Beyarslan, 2014). Ardahan, Erzurum, Iğdır, Kars (Beyarslan, 2016).

Zoogeographic region. Western Palaearctic.

Distribution. Israel, Russia, Türkiye, Ukraine.

***Bracon (Bracon) luteator* Spinola, 1808+**

Bracon luteator Spinola, 1808. 2, 106.

Bracon (Bracon) luteator. Fahringer, 1927. 1 (4-6), 327.

Synonym. *Bracon filicauda* Costa, 1888; *B. hypopygialis* Szépligeti, 1901; *B. intermedius* Szépligeti, 1896; *B. nigripedator* Nees, 1834; *B. pilosulus* Szépligeti, 1901; *Vipio maculator* Brullé, 1832.

Distribution in Türkiye. Kayseri (Kohl, 1905). Adana, Antalya, Burdur, Gaziantep, Mersin, Osmaniye (Beyarslan, 1986b). Adana, Balıkesir, Bilecik, Çanakkale, Edirne, İstanbul, Kırklareli, Tekirdağ, Van (Beyarslan, 1999). Türkiye (Belshaw et al., 2001). Imbros (Beyarslan et al., 2002b). Amasya, Bolu, Kastamonu, Nevşehir, Samsun, Sinop (Beyarslan et al., 2005). Tekirdağ (Beyarslan et al., 2006a). Amasya, Çorum, Samsun, Tokat (Beyarslan et al., 2008a). Aksaray, Amasya, Ankara, Bayburt, Bursa, Çankırı, Çorum, Edirne, Elazığ, Erzincan, Eskişehir, Gümüşhane, Isparta, Kayseri, Kırklareli, Kırşehir, Konya, Malatya, Muğla, Niğde, Samsun, Sivas, Tokat, Tunceli, Yozgat (Beyarslan & Cetin Erdogan, 2012). Adıyaman, Diyarbakır, Konya, Mardin, Konya (Beyarslan et al., 2014). Checklist (Beyarslan, 2014). Ardahan, Iğdır, Kars (Beyarslan, 2016). Bitlis (Beyarslan & Şahin, 2018).

Zoogeographic region. Palaearctic.

Distribution. Afghanistan, Albania, Austria, Azerbaijan, Bulgaria, Croatia, Cyprus, Czechoslovakia, France, Georgia, Germany, Greece, Hungary, Iran, Israel, Italy, Kazakhstan, Latvia, Macedonia, Moldova, Mongolia, Russia, Slovenia, Spain, Sweden, Switzerland, Syria, Tajikistan, Tunisia, Türkiye, Turkmenistan, Ukraine, United Kingdom, Uzbekistan, Former Yugoslavia.

Hosts. Lepidoptera. Gelechiidae. *Metzneria aestivella* (Zeller, 1839), *Metzneria lappella* (Linnaeus, 1758).

Diptera. Tephritidae. *Urophora solstitialis* (Linnaeus, 1758).

***Bracon (Bracon) mariae* Dalla Torre, 1898**

Bracon mariae Dalla Torre, 1898, 4, 278.

Bracon (Bracon) mariae. Tobias, 1986. 124-125.

Synonym. *Bracon pygidialis* Szépligeti, 1901; *B. semiflavus* Brullé, 1846.

Distribution in Türkiye. Bursa (Beyarslan, 1999). Bolu (Beyarslan et al., 2005). Bayburt, Eskişehir, Isparta, Tunceli, Yozgat (Beyarslan & Cetin Erdogan, 2012). Adıyaman, Aydın, Bitlis, Şanlıurfa (Beyarslan et al., 2014). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Armenia, Azerbaijan, Croatia, Czechoslovakia, Germany, Hungary, Iran, Israel, Kazakhstan, Moldova, Russia, Slovenia, Spain,

Sweden, Switzerland, Tunisia, Türkiye, Ukraine, Former Yugoslavia.

Hosts. Diptera. Tachinidae. *Alophora (Alophorella) costalis* (Malloch, 1929) [*Centaurea* sp.].

***Bracon (Bracon) minutator* (Fabricius, 1798)**

Ichneumon minutator Fabricius, 1798. 225.

Bracon (Bracon) minutator. Papp, 1900. 8, 269-290.

Synonym. *Braco oostmaeli* Wesmael, 1838; *Braco regularis* Wesmael, 1838; *Bracon abscissor* Nees, 1834; *B. pannonicus* Szépligeti, 1904; *B. rufigaster* Szépligeti, 1901; *B. subrugosus* Szépligeti, 1901; *B. sulcatulus* Szépligeti, 1896; *B. tener* Szépligeti, 1904; *B. thalassinus* Schmiedeknecht, 1897; *B. trucidator* Marshall, 1888.

Distribution in Türkiye. Kayseri (Kohl, 1905). Adana, Antalya, Burdur, Gaziantep, Mersin, Isparta, Kahramanmaraş, Osmaniye (Beyarslan, 1986b). Tekirdağ (Beyarslan, 1987a). Adana, Antalya, Balıkesir, Bilecik, Burdur, Bursa, Edirne, Erzurum, Gaziantep, Mersin, Isparta, İstanbul, Kahramanmaraş, Kırklareli, Osmaniye, Tekirdağ, Van (Beyarslan, 1999). Imbros, Tenedos (Beyarslan et al., 2002b). Karabük, Kastamonu, Sinop, Zonguldak (Beyarslan et al., 2005). Amasya, Çorum, Samsun, Tokat (Beyarslan et al., 2008a). Adana, Aksaray, Amasya, Ankara, Artvin, Bayburt, Bolu, Çanakkale, Çankırı, Çorum, Edirne, Elazığ, Eskişehir, Isparta, Kastamonu, Kayseri, Kilis, Kırıkkale, Kırklareli, Kırşehir, Konya, Niğde, Samsun, Sinop, Sivas, Tokat, Trabzon, Yozgat, Zonguldak (Beyarslan & Cetin Erdogan, 2012). Diyarbakır, Konya (Beyarslan et al., 2014). Checklist (Beyarslan, 2014). Ardahan, Erzurum, Iğdır (Beyarslan, 2016). Sivas (Beyarslan et al., 2018).

Zoogeographic region. Palaearctic.

Distribution. Algeria, Armenia, Austria, Azerbaijan, Belarus, Belgium, Bulgaria, China, Croatia, Cyprus, Czech Republic, Czechoslovakia, Denmark, Finland, France, Germany, Greece, Hungary, Iran, Ireland, Israel, Italy, Jordan, Kazakhstan, Latvia, Lithuania, Macedonia, Moldova, Mongolia, Poland, Russia, Slovenia, Spain, Sweden, Switzerland, Tunisia, Türkiye, Ukraine, United Kingdom, Former Yugoslavia.

Hosts. Coleoptera. Curculionidae. *Anthonomus pomorum* (Linnaeus, 1758). **Diptera. Chloropidae.** *Lipara lucens* Meigen, 1830. **Tephritidae.** *Noeeta pupillata* (Fallén, 1814), *Terellia colon* (Meigen, 1826), *T. serratulae* (Linnaeus, 1758), *Urophora quadrifasciata* (Meigen, 1826), *U. solstitialis* (Linnaeus, 1758), *Xyphosia miliaria* (Schrank, 1781), *Tephritis leontodontis* (De Geer, 1776). **Hymenoptera. Cephidae.** *Cephus pygmaeus* (Linnaeus, 1758). **Lepidoptera. Gelechiidae.** *Metzneria lappella* (Linnaeus, 1758). **Gracillariidae.** *Gracillaria syringella* (Fabricius 1794). **Noctuidae.** *Mesapamea secalis* (Linnaeus, 1758), *Oria musculosa* (Hübner, [1808]). *Sesamia nonagrioides* (Lefèbvre, 1827). **Psychidae.** *Epichnopteryx sieboldi* Reutti 1853. **Sesiidae.** *Paranthrene tabaniformis* (Rottemburg, 1775 [*Populus marilandica*]), *Pennisetia hylaeiformis* (Laspeyres, 1801). **Tortricidae.** *Archips oporana* (Linnaeus, 1758), *A. rosana* (Linnaeus, 1758), *A. xylostearna* (Linnaeus, 1758), *Cochylis posterana* Zeller, 1847, *Eugnosta zephyrana* (Treitscke, 1830), *Leguminivora glycinivorella* (Matsumura, 1900), *Rhyacionia buoliana* (Denis & Schiffmüller, 1775).

***Bracon (Bracon) murgabensis* Tobias, 1957+**

Bracon (Striobracon) murgabensis Tobias, 1957. 37 (2), 476-500.

Synonym. *Bracon praestans* Tobias, 1957.

Distribution in Türkiye. Aksaray, Ankara, Edirne, Elazığ, Nevşehir, Samsun (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014). Iğdır, Kars (Beyarslan, 2016).

Zoogeographic region. Palaearctic.

Hosts. Coleoptera. Curculionidae. *Smicronyx tartaricus* Faust, 1886.

***Bracon (Bracon) nigratus* (Wesmael, 1838)**

Bracon nigratus Wesmael, 1838. 11, 1-166.

Bracon (Bracon) nigratus. 1927. 221-32.

Synonym. *Bracon orbicularis* Niezabitowski, 1910.

Distribution in Türkiye. Bartın, Kastamonu (Beyarslan et al., 2005). Amasya, Ordu, Samsun, Tokat (Beyarslan et al., 2008a). Aksaray, Ankara, Bayburt, Çankırı, Edirne, Elazığ, Erzincan, Eskişehir, Gümüşhane, Karabük, Kastamonu, Kayseri,

Kırşehir, Konya, Malatya, Nevşehir, Ordu, Samsun, Sinop, Sivas, Tokat, Trabzon (Beyarslan, & Cetin Erdogan, 2012). Bitlis (Beyarslan et al., 2014). Checklist (Beyarslan, 2014). Ardahan, Erzurum, Iğdır, Kars (Beyarslan, 2016). Sivas (Beyarslan et al., 2018). Bitlis (Beyarslan & Şahin, 2018).

Zoogeographic region. Palaearctic.

Distribution. Albania, Austria, Belgium, Bulgaria, Czechoslovakia, Denmark, France, Georgia, Germany, Hungary, Iran, Ireland, Lithuania, Moldova, Poland, Romania, Russia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye, Ukraine, United Kingdom, Former Yugoslavia.

Hosts. Diptera. Tephritinae. *Chaetostomella cylindrica* (Robineau-Desvoidy, 1830). **Lepidoptera. Coleophoridae.** *Coleophora millefolii* Zeller, 1849. **Tortricidae.** *Cydia compositella* (Fabricius, 1775). **Zygaenidae.** *Zygaena (Mesembrynus) minos* (Denis & Schiffermüller, 1775), *Zygaena minos* ([Denis & Schiffermüller], 1775).

***Bracon (Bracon) pectoralis* (Wesmael, 1838)**

Bracon pectoralis Wesmael, 1838. II, 12.

Bracon (Bracon) pectoralis. Fahringer, 1927. I (4-6), 332.

Synonym. *Bracon obscuricornis* Szépligeti, 1896; *B. ochrosus* Szépligeti, 1896; *B. sulphurator* Szépligeti, 1896.

Distribution in Türkiye. Kayseri (Kohl, 1905). Adana, Antalya, Burdur, Hatay, Mersin, Isparta, (Beyarslan, 1986b). Edirne, Kırklareli, Tekirdağ (Beyarslan, 1987a). Adana, Adapazarı, Antalya, Balıkesir, Bilecik, Burdur, Bursa, Çanakkale, Edirne, Hatay, Isparta, Izmit, Kırklareli, Tekirdağ, Van (Beyarslan, 1999). Imbros, Tenedos (Beyarslan et al., 2002b). Bartın, Bolu, Çankırı, Kastamonu, Sinop, Zonguldak (Beyarslan et al., 2005). Tekirdağ (Beyarslan et al., 2006a). Ankara (Guler & Cagatay, 2007). Amasya, Çorum, Samsun, Tokat (Beyarslan et al., 2008a). Adana, Afyon, Aksaray, Amasya, Ankara, Antalya, Artvin, Bayburt, Çanakkale, Çorum, Denizli, Elazığ, Erzincan, Eskişehir, Gümüşhane, Mersin, Imbros, Isparta, Kayseri, Kırıkkale, Kırklareli, Kırşehir, Konya, Malatya, Nevşehir, Niğde, Samsun, Sivas, Tekirdağ, Tokat, Tunceli (Beyarslan & Cetin Erdogan, 2012).

Adıyaman, Bitlis (Beyarslan et al., 2014). Checklist (Beyarslan, 2014). Ardahan, Artvin, Erzurum, Iğdır, Kars (Beyarslan, 2016).

Zoogeographic region. Palaearctic.

Distribution. Afghanistan, Albania, Algeria, Austria, Azerbaijan, Belarus, Belgium, Bosnia Hercegovina, Bulgaria, Canary Islands, Croatia, Cyprus, Czechoslovakia, Egypt, France, Georgia, Germany, Greece, Hungary, Iran, Israel, Italy, Jordan, Kazakhstan, Macedonia, Malta, Moldova, Netherlands, Portugal, Romania, Russia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Syria, Tajikistan, Tunisia, Türkiye, Turkmenistan, Ukraine, United Kingdom, Uzbekistan, Former Yugoslavia.

Hosts. Coleoptera. Curculionidae. *Larinus flavescens* Germar, 1824. **Diptera. Tephritidae.** *Xyphosia miliari* (Schrank, 1781). **Hymenoptera, Cynipidae.** *Aphelonyx cerricola* (Girayd, 1859). **Lepidoptera, Alucitidae.** *Alucita hexadactyla* (Linnaeus, 1758) *A. huebneri* Wallengren, 1859. **Gelechiidae.** *Sitotroga cerealella* (Olivier, 1789). **Pyralidae.** *Etiella zinckenella* (Treitschke, 1832). **Tortricidae.** *Aethes francillana* (Fabricius, 1794).

Parasitoids. Hymenoptera. Torymidae. *Exopristus trigonomerus* (Masi, 1916). **Ichneumonidae.** *Scambus elegans* (Woldstedt, 1877).

Distribution. Afghanistan, Albania, Algeria, Austria, Azerbaijan, Belarus, Belgium, Bosnia Hercegovina, Bulgaria, Canary Islands, Croatia, Cyprus, Czechoslovakia, Egypt, France, Georgia, Germany, Greece, Hungary, Iran, Israel, Italy, Jordan, Kazakhstan, Macedonia, Malta, Moldova, Netherlands, Portugal, Romania, Russia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Syria, Tajikistan, Tunisia, Türkiye, Turkmenistan, Ukraine, United Kingdom, Uzbekistan, Former Yugoslavia. Introduced into Puerto Rico, U.S.A.-California.

***Bracon (Bracon) querceus* Tobias, 1986**

Distribution in Türkiye. Ardahan, Erzurum, Iğdır, Kars (Beyarslan, 2016). Bitlis (Beyarslan & Şahin, 2018).

Zoogeographic region. Western Palaearctic.

Distribution. Russia, Türkiye.

***Bracon (Bracon) rhinchiti* Greese, 1928**

Bracon rhinchiti Greese, 1928

Distribution in Türkiye. Erzincan (Beyarslan, 2016).

Zoogeographic region. Western Palaearctic.

Distribution. Czechoslovakia, Slovakia, Türkiye, Ukraine.

Hosts. Coleoptera. Pyralidae. *Dioryctria aurantmersinla* (Grote, 1883), *D. disclusa* (Heinrich, 1953), *D. ponderosae* (Dyar, 1914), *D. resinosella* (Mutuura, 1982) [*Pinus resinosa*].

Hymenoptera. Diprionidae. *Neodiprion edulicolus* Ross, 1955. **Lepidoptera. Tortricidae.** *Barbara colfaxiana* (Kearfott, 1907). *Cydia strobilella* (Linnaeus, 1758). *Eucosma gloriola* (Heinrich, 1931), *E. recissoriana* (Hübner, 1823) [*Pinus monticola*], *E. tocullionana* (Heinrich, 1920). *Rhyacionia bushnelli* (Busck 1914), *R. frustrana* (Comstock, 1880), *R. neomexicana* (Dyar, 1903). **Scolytidae.** *Conophthorus resinosae* (Hopkins, 1915a) [*Pinus resinosa*].

***Bracon (Bracon) selviae* Beyarslan, 2016**

Distribution in Türkiye. Ardahan, Erzurum, Kars, Trabzon (Beyarslan, 2016).

Zoogeographic region. Western Palaearctic.

Distribution. Türkiye.

***Bracon (Bracon) subglaber* Szépligeti, 1901**

Bracon subglaber Szépligeti, 1901. 33, 174-184.

Bracon (Bracon) subglaber. Beyarslan et al., 2005. 37 (1), 195-213.

Synonym. *Bracon quinque maculatus* Szépligeti, 1901; *B. subrugosus* Szépligeti, 1901; *B. tauricus* Telenga, 1936.

Distribution in Türkiye. Bartın, Bolu, Karabük, Kastamonu, Sinop (Beyarslan et al., 2005). Tekirdağ (Beyarslan et al., 2006a). Çorum, Samsun (Beyarslan et al., 2008a). Aksaray, Ankara, Artvin, Bursa, Elazığ, Gümüşhane, Kayseri, Malatya, Nevşehir, Samsun, Sivas, Tunceli (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014). Erzurum, Kars (Beyarslan, 2016).

Zoogeographic region. Palaearctic.

Distribution. Austria, Azerbaijan, Germany, Hungary, Iran, Israel, Kazakhstan, Moldova, Slovenia, Switzerland, Türkiye, Uzbekistan,

Hosts. Coleoptera. Curculionidae. *Ceutorhynchus fairmairei* Brisout, 1880. **Diptera. Tephritidae.** *Noeeta pupillata* (Fallen, 1814), *Tephritis leontodontis* (Degeer, 1776), *Terellia serratulae* Linnaeus, 1758, *Urophora*

cardui (Linnaeus, 1758), *U. quadrifasciata* (Meigen, 1826), *U. solstitialis* (Linnaeus, 1758). **Tachinidae.** *Alophora costalis* (Malloch, 1929) [*Centaurea* sp.]. **Lepidoptera. Gelechiidae.** *Metzneria lappella* Linnaeus, 1758, **Sesiidae.** *Paranthrene tabaniformis* (Rottemburg, 1775). *Pennisetia hylaeiformis* (Laspeyres, 1801). **Tortricidae.** *Aethes williana* (Brahm, 1791). **Psychidae.** *Epichnopterix sieboldi* Reutti, 1853).

***Bracon (Bracon) tenuicornis* (Wesmael, 1838)**

Bracon (Orthobracon) tenuicornis (Wesmael, 1838)

Braco tenuicornis Wesmael, 1838. 11, 1-166.

Bracon (Bracon) tenuicornis

Distribution in Türkiye. Malatya, Tekirdağ (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014). Kars (Beyarslan, 2016).

Zoogeographic region. Palaearctic.

Distribution. Armenia, Belgium, Bulgaria, France, Georgia, Germany, Hungary, Kazakhstan, Moldova, Netherlands, Norway, Russia, Sweden, Türkiye, United Kingdom.

Hosts. Coleoptera. Scolytidae. *Phloeotribus scarabaeoides* (Bernard, 1788).

***Bracon (Bracon) trucidator* Marshall, 1888**

Bracon trucidator Marshall, 1888. 4: 93.

Bracon (Bracon) trucidator. Fahringer, 1927. 1 (4-6), 342.

Synonym. *Bracon bilineatus* Thomson, 1892; *B. hilaris* Marshall, 1897; *B. pannonicus* Szépligeti, 1904; *B. subrugosus* Szépligeti, 1901.

Distribution in Türkiye. Kırklareli, Tekirdağ (Beyarslan, 1987a). Adapazarı, Balıkesir, Bilecik, Bursa, Çanakkale, Edirne, İstanbul, Kırklareli, Osmaniye, Tekirdağ, Van (Beyarslan, 1999). Imbros (Beyarslan et al., 2002b). Çankırı, Karabük, Kırklareli, Kastamonu, Sinop, Zonguldak (Beyarslan et al., 2005). Tekirdağ (Beyarslan et al., 2006a). Ankara (Guler & Cagatay, 2007). Amasya, Çorum, Ordu, Samsun, Tokat (Beyarslan et al., 2008a). Aksaray, Amasya, Ankara, Artvin, Bayburt, Burdur, Bursa, Çankırı, Çorum, Düzce, Elazığ, Erzincan, Eskişehir, Giresun, Gümüşhane, Kayseri, Kırşehir, Konya, Malatya, Nevşehir, Sivas, Tokat, Trabzon,

Tunceli, Yozgat (Beyarslan & Cetin Erdogan, 2012). Bitlis, Afyonkarahisar (Beyarslan et al., 2014). Ardahan, Erzurum (Beyarslan, 2014). Checklist (Beyarslan, 2014). Erzurum, Iğdı, Kars (Beyarslan, 2016). Bitlis (Beyarslan & Şahin, 2018).

Zoogeographic region. Palaearctic.

Distribution. Albania, Algeria, Armenia, Austria, Azerbaijan, Croatia, Czech Republic, France, Georgia, Germany, Greece, Hungary, Iran, Israel, Italy, Kazakhstan, Moldova, Romania, Russia, Slovenia, Spain, Sweden, Switzerland, Tajikistan, Tunisia, Türkiye, Ukraine, Former Yugoslavia.

Hosts. Coleoptera. Curculionidae. *Ceutorhynchus fairmairei* Brisout, 1880. **Diptera. Tephritidae.**

Myopites inulaedyssentericae Blot, 1827, *Urophora solstitialis* Linnaeus, 1758 [*Carduus nutans*].

Lepidoptera. Pyralidae. *Homoeosoma nebulella* ([Denis & Schiffermüller], 1775), **Gelechiidae.** *Metzneria lappella* (Linnaeus, 1758).

***Bracon (Bracon) variegator* Spinola, 1808**

Bracon variegator Spinola, 1808. 2, 115.

Bracon (Habrobracon) variegator. Tobias, 1958. 46, 88.

Synonym. *Bracon melanosoma* Szépligeti, 1901; *B. micros* Szépligeti, 1901; *B. nanulus* Szépligeti, 1901.

Distribution in Türkiye. Adana, Burdur, Gaziantep, Mersin, Isparta, Kahramanmaraş (Beyarslan, 1986b). Kırklareli (Beyarslan, 1987a). Adana, Balıkesir, Bilecik, Burdur, Bursa, Edirne, Erzurum, Gaziantep, Mersin, Isparta, Izmit, Kahramanmaraş, Kırklareli, Sanliurfa, Tekirdağ, Van (Beyarslan, 1999). Tenedos (Beyarslan et al., 2002b). Bolu, Karabük, Kastamonu, Zonguldak (Beyarslan et al., 2005). Tekirdağ (Beyarslan et al., 2006a). Amasya, Çorum, Ordu, Tokat (Beyarslan et al., 2008a). Adıyaman, Amasya, Bayburt, Çankırı, Edirne, Elazığ, Eskişehir, Gümüşhane, İstanbul, Kayseri, Konya, Ordu, Rize, Samsun, Sivas, Tenedos, Tokat, Tunceli, Yozgat (Beyarslan & Cetin Erdogan, 2012). Erzurum (Guclu & Ozbek, 2011). Sinop (Beyarslan et al., 2014). Checklist (Beyarslan, 2014). Ardahan, Iğdır, Kars (Beyarslan, 2016). Antalya (Topakcı et al., 2022).

Zoogeographic region. Oceanic, Palaearctic.

Distribution. Afghanistan, Armenia, Austria, Azerbaijan, Belgium, Bulgaria, China, Cyprus,

Czech Republic, Czechoslovakia, France, Georgia, Germany, Greece, Hungary, Iran, Ireland, Israel, Italy, Kazakhstan, Korea, Latvia, Lebanon, Lithuania, Macedonia, Moldova, Mongolia, New Zealand, Poland, Romania, Russia, Slovenia, Spain, Switzerland, Tajikistan, Tunisia, Türkiye, Turkmenistan, Ukraine, United Kingdom, Uzbekistan, Former Yugoslavia. Introduced into New Zealand, U.S.A.-California.

Hosts. Coleoptera. Anobiidae. *Anobium abietis* Fabricius, 1792. **Lepidoptera. Coleophoridae.** *Coleophora ibipennella* Zeller, 1849. **Depressariidae.** *Agonopterix propinquella* (Treitschke, 1835). **Gelechiidae.** *Anarsia lineatella* Zeller, 1839, *Recurvaria nanella* ([Denis & Schiffermüller], 1775), *Teleiodes modestus* Danilevsky, ?, *Tuta absoluta* (Meyrick, 1917). **Gracillariidae.** *Phyllonorycter kleemannella* (Fabricius, 1781), *P. mespillella* (Huebner, 1805). **Nolidae.** *Earias insulana* (Boisduval, 1833). **Oecophoridae.** *Endrosis sarcitrella* (Linnaeus, 1758). **Pyalidae.** *Ephestia terebrellum* Zeller, ?. **Tortricidae.** *Adoxophyes orana* (Barel, 1973) [*Malus* sp.]. **Tortricidae.** *Archips rosana* (Linnaeus, 1758), *Cydia strobilella* (Linnaeus, 1758), *Pandemis heparana* (Denis & Schiffermüller, 1775) [*Malus* sp.], *Tortrix viridana* Linnaeus, 1758. **Yponomeutidae.** *Yponomeuta padella* (Linnaeus, 1758).

Subgenus *CyanopteroBracon* Tobias, 1957

Bracon (CyanopteroBracon) Tobias, 1957. 37(2), 476-500.

****Bracon (CyanopteroBracon) armeniacus* Telenga, 1936**

Bracon armeniacus Telenga, 1936 5 (2), 402.

Bracon (CyanopteroBracon) armeniacus. Tobias, 1976. 1-286.

Distribution in Türkiye. Malatya (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014). Checklist (Beyarslan, 2014). Ardahan, Kars (Beyarslan, 2016).

Zoogeographic region. Western Palaearctic.

Distribution. Armenia, Cyprus, Türkiye.

***Bracon (CyanopteroBracon) fallax* Szépligeti, 1901**

Bracon fallax Szépligeti, 1901. 33, 174-184, 261-288.

Bracon (CyanopteroBracon) fallax. Tobias, 1961. 48, 129-180.

Synonym. *Bracon falsus* Kokujev, 1913; *B. oculatus* Tobias, 1957; *B. olgae* Telenga, 1936.

Distribution in Türkiye. Adana, Antalya, Mersin, Isparta (Beyarslan, 1986a). Tokat (Beyarslan et al., 2008a). Ankara, Bayburt, Çanakkale, Kayseri, Malatya, Niğde, Sivas, Tokat, Yozgat (Beyarslan & Cetin Erdogan, 2012). Adiyaman (Beyarslan et al., 2014). Checklist (Beyarslan, 2014). Erzurum (Beyarslan, 2016).

Zoogeographic region. Palaearctic.

Distribution. Cyprus, Georgia, Hungary, Italy, Kazakhstan, Macedonia, Moldova, Morocco, Romania, Russia, Slovakia, Tajikistan, Türkiye, Ukraine, Former Yugoslavia.

****Bracon (CyanopteroBracon) illyricus* Marshall, 1888**

Bracon illyricus Marshall, 1888. 4. 609.

Bracon (CyanopteroBracon) illyricus. Toias, 1958. 46, 68-108

Synonym. *Bracon kriechebaumeri* Szepligeti, 1901; *Bracon mauritanicus* Schmiedeknecht, 1897; *Bracon uromelas* Costa, 1888; *Bracon xanthogaster* Nees, 1834.

Distribution in Türkiye. Adana, Antalya, Mersin, Kahramanmaraş (Beyarslan, 1986a, 1999). Northeastern of Türkiye (Gultekin, 2005). Amasya, Ordu, Tokat (Beyarslan et al., 2008a). Aksaray, Artvin, Çankırı, Elazığ, Eskişehir, Isparta, Kırıkkale, Malatya, Nevşehir, Ordu, Sinop, Sivas, Tokat, Yozgat (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014). Ardahan, Kars (Beyarslan, 2016).

Zoogeographic region. Palaearctic.

Distribution. Albania, Algeria, Armenia, Austria, Azerbaijan, Croatia, Cyprus, Georgia, Greece, Hungary, Iran, Israel, Italy, Macedonia, Moldova, Spain, Switzerland, Tunisia, Türkiye, Ukraine, Uzbekistan, Former Yugoslavia.

Hosts. Coleoptera. Curculionidae. *Lachnaeus horridus* (Reitter, 1890) [*Inula oculus-christi*]. **Curculionidae.** *Larinus turbinatus* Gyllenhal, 1835 [*Conium* sp.].

Lepidoptera. Elachistidae. *Agonopterix ferulae* (Zeller, 1847).

Bracon (Cyanopterobracon) sabulosus Szépligeti, 1896

Bracon sabulosus Szépligeti, 1896. 19, 285-321.

Bracon (Cyanopterobracon) sabulosus. Toias, 1958. 46, 68-108.

Synonym. *Iphiaulax turkestanum* ?, ?.

Distribution in Türkiye. Sinop (Beyarslan et al., 2005). Ankara (Guler & Cağatay, 2007). Çorum (Beyarslan et al., 2008a). Afyon, Aksaray, Ankara, Çorum, Edirne, Eskişehir, Gaziantep, Kayseri, Kırşehir, Konya, Nevşehir, Niğde, Sivas (Beyarslan & Cetin Erdogan, 2012). Malatya, Mardin (Beyarslan et al., 2014). Checklist (Beyarslan, 2014). Erzurum (Beyarslan, 2016).

Zoogeographic region. Palaearctic.

Distribution. Azerbaijan, Bulgaria, Cyprus, Greece, Hungary, Iran, Jordan, Kazakhstan, Macedonia, Moldova, Romania, Russia, Serbia & Montenegro, Tajikistan, Türkiye, Turkmenistan, Ukraine, Uzbekistan, Former Yugoslavia.

Bracon (Cyanopterobracon) spectabilis Telenga, 1936

Bracon spectabilis Telenga, 1936. 5(2), 402.

Bracon (Cyanopterobracon) spectabilis. Toias, 1958. 46, 68-108.

Distribution in Türkiye. Adana, Burdur, Mersin, Isparta, Kahramanmaraş (Beyarslan, 1986a, 1999). Amasya, Tokat (Beyarslan et al., 2008a). Amasya, Artvin, Çanakkale, Eskişehir, Kayseri, Sivas, Tokat (Beyarslan & Cetin Erdogan, 2012). Erzurum (Guclu & Ozbek, 2011). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Georgia, Kazakhstan, Tajikistan, Türkiye.

Bracon (Cyanopterobracon) subfallax Beyarslan, 2017

Distribution in Türkiye. Niğde, Kayseri, Isparta (Beyarslan, 2017).

Zoogeographic region. Western Palaearctic.

Distribution. Türkiye.

Bracon (Cyanopterobracon) urinator (Fabricius, 1798)

Ichneumon urinator Fabricius, 1798. 1-572.

Bracon (Rostrobracon) urinator Tobias, 1957. 476-500.

Synonym. *Bracon comptus* Marshall, 1897; *Ichneumon cuspidator* (Rossi, 1792).

Distribution in Türkiye. Amanos Mountains (Fahringer, 1922). Adana, Antalya, Gaziantep, Hatay, Mersin, Kahramanmaraş, Kilis (Beyarslan, 1986a). Adana, Balıkesir, Bilecik, Bursa, Edirne, Gaziantep, Hatay, Mersin, Isparta, Kahramanmaraş, Kilis, Kırklareli, Sanliurfa (Beyarslan, 1999). Aegean region (Beyarslan et al., 2002a). Imbros (Beyarslan et al., 2002b). Bolu, Çankırı, Karabük, Kastamonu, Sinop, Zonguldak (Beyarslan et al., 2005). Tekirdağ (Beyarslan et al., 2006a). Ankara (Guler & Cağatay, 2007). Erzurum (Gültekin, 2005). Erzurum (Gültekin & Korotyaev, 2005). Amasya, Çorum, Ordu, Samsun, Tokat (Beyarslan et al., 2008a). Northeastern Türkiye (Gültekin & Korotyaev, 2005). Türkiye (Beyarslan et al., 2010). Amasya, Ankara, Artvin, Bartın, Bayburt, Elazığ, Erzincan, Eskişehir, Giresun, Gümüşhane, Isparta, Kastamonu, Kayseri, Kırşehir, Konya, Malatya, Niğde, Ordu, Samsun, Sivas, Tokat, Tunceli, Yozgat (Beyarslan & Cetin Erdogan, 2012). Adıyaman, Diyarbakır, Kütahya, Mardin, Muğla (Beyarslan et al., 2014). Checklist (Beyarslan, 2014). Ardahan, Erzurum, Iğdır, Kars (Beyarslan, 2016).

Zoogeographic region. Palaearctic, Ethiopian, Oriental.

Distribution. Afghanistan, Albania, Algeria, Azerbaijan, Belgium, Canary Islands, China, Croatia, Cyprus, Czechoslovakia, Egypt, Finland, France, Georgia, Germany, Greece, Hungary, India, Iran, Israel, Italy, Kazakhstan, Macedonia, Malta, Moldova, Mongolia, Netherlands, Poland, Portugal, Romania, Russia, Saudi Arabia, Spain, Sweden, Switzerland, Syria, Tajikistan, Tunisia, Türkiye, Turkmenistan, Ukraine, United Kingdom, Uzbekistan, Former Yugoslavia.

Hosts. Coleoptera. Curculionidae. *Larinus flavescens* Germar, 1824, *L. saussureae* Marshall, 1924, *L. sibiricus* Gyllenhal, 1835 [*Xeranthemum annuum*], *L. sturnus* (Schaller, 1783) [*Cirsium heterophyllum*], *L. vulpes* (Olivier, 1807) [*Echinops ritro*]. *Lixus obesus* Petri, 1904 [*Prangos uloptera*]. *Rhinocyllus conicus* (Frölich, 1792) [*Carduus nutans*], *R. latirostris* Schoenherr, 1826 [*Carduus nutans*]. **Diptera. Lonchaeidae.**

Protearomyia nigra (Meigen, 1826), **Tephritidae**.
Tephritis pulchra Loew, 1844 [*Scorzonera hispanica*].

Subgenus *Glabrobracon* Fahringer, 1927

Bracon (Glabrobracon) Fahringer, 1927. 221-43

***Bracon (Glabrobracon) abbreviator* Nees, 1834**

Bracon abbreviator Nees, 1834. 1-320.

Bracon (Glabrobracon) abbreviator. Papp, 1989. 22 (1988), 45-59.

Synonym. *Braco oostmaeli* (Wesmael, 1838); *Braco regularis* (Wesmael, 1838); *Bracon abscissor* Nees, 1834; *Bracon eutrephe* Marshall, 1897; *Bracon fraudator* Marshall, 1885; *Bracon rufigaster* Szepliget, 1901.

Distribution in Türkiye. Türkiye (Kohl, 1905). Adana (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Albania, Algeria, Armenia, Austria, Azerbaijan, Belgium, Croatia, Cyprus, Czech Republic, Czechoslovakia, Finland, France, Georgia, Germany, Greece, Hungary, Iran, Israel, Italy, Japan, Jordan, Kazakhstan, Lithuania, Macedonia, Morocco, Netherlands, Norway, Poland, Romania, Russia, Slovakia, Slovenia, Spain, Switzerland, Tajikistan, Türkiye, Turkmenistan, Ukraine, United Kingdom, Former Yugoslavia.

Hosts. **Coleoptera.** **Curculionidae.** *Anthonomus pomorum* (Linnaeus, 1758). **Diptera.** **Chloropidae.** *Lipara lucens* Meigen, 1830. **Hymenoptera.**

Cephalidae. *Cephus pygmeus* (Linnaeus, 1767).

Cynipidae. *Diplolepis rosae* (Linnaeus, 1758).

Lepidoptera. **Coleophoridae.** *Coleophora follicularis* (Vallot, 1802). **Elachistidae.** *Elachista gangabella* Zeller, 1850. **Gracillariidae.** *Gracillaria syringella* (Fabricius 1794). **Noctuidae.** *Oria muscosa* (Hübner, [1808]), *Speia vuteria* (Stoll, [1790]). **Tortricidae.** *Cochylis posterana* Zeller, 1847, *Leguminivora glycinivorella* (Matsumura, 1898 [*Glycine max*], *Pandemis heparana* ([Denis & Schiffmüller], 1775) [*Populus alba*], *Rhyacionia buoliana* (Denis & Schiffmüller, 1775).

****Bracon (Glabrobracon) admotus* Papp, 2000**

Bracon (Glabrobracon) admotus Papp, 2000. 92, 229-264.

Distribution in Türkiye. Kastamonu (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Western Palaearctic.

Distribution. Bulgaria. Hungary. Türkiye.

Hosts. **Coleoptera.** **Rhynchitidae.** *Byctiscus betulae* (Linnaeus, 1758) [*Populus tremula*].

****Bracon (Glabrobracon) ahngeri* Telenga, 1936**

Bracon ahngeri Telenga, 1936. 5 (2), 402

Bracon (Glabrobracon) ahngeri. Tobias, 1958. 46, 68-108.

Distribution in Türkiye. Elazığ, Eskişehir, Malatya, Sivas, Tunceli (Beyarslan & Cetin Erdogan, 2012). Adıyaman, Diyarbakır, Kastamonu, Konya, Mardin, Samsun, Şanlıurfa (Beyarslan et al., 2014). Checklist (Beyarslan, 2014). Erzurum, Kars (Beyarslan, 2016). Kastamonu (Beyarslan et al., 2018).

Zoogeographic region. Oriental, Palaearctic.

Distribution. China, Iran, Korea, Russia, Türkiye.

****Bracon (Glabrobracon) angustiventris* Tobias, 1957**

Bracon (Glabrobracon) angustiventris Tobias, 1957. 37 (2), 476-500.

Distribution in Türkiye. Adana, Mersin (Beyarslan, 1986a, Beyarslan, 1999). Sinop (Beyarslan et al., 2005). Amasya, Samsun (Beyarslan et al., 2008a). Amasya, Ankara, Denizli, Elazığ, Eskişehir, Kayseri, Konya, Sivas (Beyarslan & Cetin Erdogan, 2012). Ardahan (Beyarslan, 2016).

Zoogeographic region. Palaearctic.

Distribution. Armenia, Azerbaijan, Iran, Kazakhstan, Moldova, Türkiye, Turkmenistan.

****Bracon (Glabrobracon) arcuatus* Thomson, 1957**

Bracon (Bracon) arcuatus Thomson, 1892. 1777-1861.

Bracon (Glabrobracon) arcuatus. Papp, 1991. 71-76.

Distribution in Türkiye. Elazığ (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Austria, Bulgaria, China, Croatia, Cyprus, Czech Republic, Germany, Greece, Hungary, Macedonia, Mongolia, Slovenia, Sweden, Türkiye, United Kingdom, Former Yugoslavia.

***Bracon (Glabrobracon) atrator* Nees, 1834**

Bracon atrator Nees, 1834. 1-320.

Bracon (Glabrobracon) atrator. Tobias, 1958. 46, 68-108.

Synonym. *Braco parvulus* Wesmael, 1835; *Bracon longicauda* Costa, 1864.

Distribution in Türkiye. Adana, Antalya, Mersin, Isparta, Kahramanmaraş, (Beyarslan, 1986a). Edirne, Kırklareli, Tekirdağ (Beyarslan, 1987a). Adana, Adapazarı, Antalya, Balıkesir, Bilecik, Burdur, Bursa, Çanakkale, Edirne, Elazığ, Gaziantep, Mersin, Isparta, Izmit, Kahramanmaraş, Kırklareli, Tekirdağ (Beyarslan, 1999). Imbros (Beyarslan et al., 2002a, 2002b). Bolu, Karabük, Kastamonu, Sinop, Zonguldak (Beyarslan et al., 2005). Tekirdağ (Beyarslan et al., 2006a). Amasya, Çorum, Ordu, Samsun, Tokat (Beyarslan et al., 2008a). Erzurum (Guclu & Ozbek, 2011). Adıyaman, Afyon, Aksaray, Amasya, Ankara, Artvin, Bayburt, Denizli, Düzce, Edirne, Elazığ, Erzincan, Eskişehir, Giresun, Gümüşhane, Kastamonu, Kayseri, Kırşehir, Konya, Malatya, Nevşehir, Ordu, Rize, Sinop, Sivas, Tokat, Trabzon, Tunceli, Yozgat (Beyarslan & Cetin Erdogan, 2012). Diyarbakır, Malatya, Mardin, Şanlıurfa (Beyarslan et al., 2014). Checklist (Beyarslan, 2014). Ardahan, Erzurum, Iğdır, Kars, Muş (Beyarslan, 2016).

Zoogeographic region. Palaearctic.

Distribution. Austria, Azerbaijan, Belarus, Belgium, Croatia, Cyprus, Czech Republic, Czechoslovakia, Finland, France, Georgia, Germany, Greece, Hungary, Iran, Ireland, Israel, Italy, Kazakhstan, Latvia, Lithuania, Macedonia, Moldova, Mongolia, Netherlands, Poland, Russia, Spain, Sweden, Switzerland, Tunisia, Türkiye, United Kingdom, Former Yugoslavia.

Hosts. Coleoptera. Brentidae. *Apion buddenbergi* Bedel, 1887, **Curculionidae.** *Gymnetron antirrhini* (Paykull, 1800), *G. campanulae* Schoenherr, 1825, *G. villosulum* Gyllenhal, 1838 [*Veronica* sp.]. **Diptera. Agromyzidae.** *Amauromyza flavifrons* Meigen, 1830, **Tephritidae.** *Tephritis conura* Loew, 1844, *T. neesii* Meigen, 1830, *T. separata* Rondani, 1871. **Lepidoptera. Coleophoridae.** *Coleophora coronillae* Zeller, 1849.

***Bracon (Glabrobracon) baseflavus* Beyarslan, 2002**
Bracon (Glabrobracon) baseflavus Beyarslan, 2002. 23 (16), 189-200.

Distribution in Türkiye. Izmir, Tekirdağ (Beyarslan, 2002b). Checklist (Beyarslan, 2014).

Zoogeographic region. Western Palaearctic (Türkiye).

Distribution. Türkiye.

****Bracon (Glabrobracon) brevicaratus* Tobias, 1957**

Bracon (Glabrobracon) brevicaratus Tobias, 1957. 37 (2), 476-500.

Distribution in Türkiye. Çorum, Ordu (Beyarslan et al., 2008a). Izmit, Malatya (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014). Erzurum, Kars (Beyarslan, 2016).

Zoogeographic region. Eastern Palaearctic.

Distribution. Hungary. Kazakhstan. Türkiye. Turkmenistan.

****Bracon (Glabrobracon) caudatus* Ratzeburg, 1848**

Bracon caudatus Ratzeburg, 1848. 1-238.

Bracon (Glabrobracon) caudatus. Fahringer, 1928. 433-606.

Distribution in Türkiye. Türkiye (Beyarslan et al., 2010). Adapazarı, Balıkesir (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Czechoslovakia, Germany, Greece, Hungary, Italy, Poland, Russia, Slovenia, Switzerland, Türkiye, United Kingdom, Former Yugoslavia.

Hosts. Coleoptera. Curculionidae. *Curculio villosus* Melsheimer, 1806. *Hylesinus fraxini* (Panzer, 1779) [*Fraxinus excelsior*]. **Diptera. Agromyzidae.** *Napomyza lateralis* (Fallen, 1823). **Hymenoptera. Cynipidae.** *Andriscus terminalis* Van Duzee, 1905, *Biorhiza pallida* (Olivier, 1791). **Lepidoptera. Tortricidae.** *Pammene gallicolana* Zeller, 1846.

***Bracon (Glabrobracon) caudiger* Nees, 1848**

Bracon caudiger Nees, 1834, 1-320.

Bracon (Glabrobracon) caudiger. Fahringer, 1928. 433-606.

Synonym. *Bracon scythus* Greese, 1928.

Distribution in Türkiye. Adapazarı, Balıkesir, Bilecik, Bursa, Çanakkale, Edirne, Kırklareli,

Tekirdağ (Beyarslan, 1999). Türkiye (Beyarslan et al.2010). Kırklareli (Beyarslan & Cetin Erdogan, 2012). Türkiye (Papp, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Western Palaearctic.

Distribution. Austria, Belgium, Croatia, Czechoslovakia, France, Germany, Greece, Hungary, Israel, Poland, Sweden, Türkiye, Ukraine, Former Yugoslavia.

Hosts. **Lepidoptera.** **Coleophoridae.** *Coleophora obscenella* (Herrich-Schäffer, 1855). **Tortricidae.** *Aphelia amplana* Huebner, 1800 [*Quercus robur*], *Cydia splendana* (Huebner, 1799), *C. strobilella* (Linnaeus, 1758).

***Bracon (Glabrobracon) chrysostigma* Greese, 1928**

Bracon (Glabrobracon) chrysostigma Greese, 1928. 7, 154-155.

Distribution in Türkiye. Artvin, Çankırı, Edirne, Elazığ, Gümüşhane, Karaman, Konya, Kutahya, Malatya, Nevşehir, Sivas, Tokat, Yozgat (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.**Distribution.** Austria, France, Greece, Hungary, Iran, Israel, Macedonia, Moldova, Romania, Russia, Türkiye, Ukraine, Former Yugoslavia.

Hosts. **Coleoptera.** **Curculionidae.** *Lixus canescens* Fisher, 1836 [*Crambe pontica*].

Diptera. **Tephritidae.** *Acanthiophilus helianthi* (Rossi, 1794).

***Bracon (Glabrobracon) colpophorus* (Wesmael, 1838)**

Braco colpophorus Wesmael, 1838

Bracon (Glabrobracon) colpophorus. Tobias, 1958.

Synonym. *Bracon mokrzeckii* Niezabitowski, 1927.

Distribution in Türkiye. Türkiye (Papp, 2012). Checklist (Beyarslan, 2014). Ardahan, Erzurum, Iğdır, Kars (Beyarslan, 2016).

Zoogeographic region. Palaearctic.

Distribution. Austria, Belgium, Bulgaria, Czech Republic, Czechoslovakia., France, Germany, Hungary, Italy, Kazakhstan, Netherlands, Poland, Romania, Russia, Spain, Switzerland, Türkiye, Ukraine, United Kingdom, Former Yugoslavia.

Hosts. **Coleoptera.** **Apionidae.** *Apion craccae* (Linnaeus, 1767). **Chrysomelidae.** *Bruchus pisorum* (Linnaeus, 1758). **Curculionidae.** *Curculio villosus* Fabricius & J.C., 1781. **Hymenoptera.** **Tenthredinidae.** *Hoplocampa fulvicornis* (Panzer, 1801), *H. minuta* (Christ, 1791).

***Bracon (Glabrobracon) delibator* Haliday, 1833**

Bracon delibator Haliday, 1833. 333-350.

Bracon (Glabrobracon) delibator. Papp 2002. 557-581.

Synonym. *Bracon anthracinus* Nees, 1834.

Distribution in Türkiye. Hatay (Fahringer, 1928). Adana, Antalya, Burdur, Mersin, Isparta, Kahramanmaraş (Beyarslan, 1986a). Kırklareli, Tekirdağ (Beyarslan, 1987a). Adana, Antalya, Balıkesir, Bilecik, Burdur, Bursa, Çanakkale, Edirne, Erzurum, Gaziantep, Mersin, Isparta, Istanbul, Kahramanmaraş, Kırklareli, Tekirdağ (Beyarslan, 1999). Imbros (Beyarslan et al., 2002b). Bolu, Karabük, Kastamonu, Sinop, Zonguldak (Beyarslan et al., 2005). Tekirdağ (Beyarslan et al., 2006a). Amasya, Çorum, Ordu, Samsun, Tokat (Beyarslan et al., 2008a). Türkiye (Beyarslan et al., 2010). Bolu, Düzce, Karabük, Kastamonu, Sinop, Zonguldak (Beyarslan & Çetin, 2005). Amasya, Ankara, Artvin, Bayburt, Çorum, Elazığ, Erzincan, Eskişehir, Giresun, Gümüşhane, Imbros, Kayseri, Konya, Malatya, Nevşehir, Niğde, Ordu, Rize, Samsun, Sivas, Tokat, Trabzon, Tunceli (Beyarslan & Cetin Erdogan, 2012). Türkiye (Papp, 2012). Mardin, Şanlıurfa (Beyarslan et al., 2014a). Checklist (Beyarslan, 2014). Ardahan, Erzurum, Iğdır, Kars (Beyarslan, 2016).

Zoogeographic region. Palaearctic.

Distribution. Algeria, Armenia, Austria, Azerbaijan, Belgium, Bosnia Hercegovina, Bulgaria, China, Croatia, Cyprus, Czech Republic, Czechoslovakia, Denmark, Finland, France, Germany, Greece, Hungary, Iran, Ireland, Israel, Italy, Kazakhstan, Korea, Latvia, Lithuania, Macedonia, Moldova, Mongolia, Poland, Romania, Russia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Syria, Türkiye, Turkmenistan, Ukraine, United Kingdom, Former Yugoslavia.

Hosts. **Coleoptera.** **Curculionidae.** *Gymnetron campanulae* Schoenherr, 1825, *Hylobius piceus* (De

Geer, 1775). **Phalacridae.** *Olibrus aeneus* Fabricius, 1792 [*Tripleurospermum perforatum*]. **Diptera.** **Tephritidae.** *Urophora cuspidata* Meigen, 1826. **Lepidoptera.** **Tortricidae.** *Cydia strobilella* (Linnaeus, 1758).

***Bracon (Glabrobracon) delusorius* Telenga, 1936**

Bracon delusorius Telenga, 1936. 5 (2). 402.

Bracon (Glabrobracon) delusorius. Tobias, 1958. 46, 68-108.

Distribution in Türkiye. Antalya, Burdur, Isparta (Beyarslan, 1986a, 1999). Adana, Antalya, Imbros (Beyarslan et al., 2010). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Türkiye, Turkmenistan.

***Bracon (Glabrobracon) densipilosus* Tobias, 1957**

Bracon (Glabrobracon) densipilosus Tobias, 1957. 37 (2). 476-500.

Distribution in Türkiye. Türkiye (Beyarslan et al., 2010). Çorum, Niğde (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014). Kırşehir, Yozgat (Beyarslan, 2016).

Zoogeographic region. Palaearctic.

Distribution. Tajikistan, Türkiye.

****Bracon (Glabrobracon) dersimensis* Beyarslan, 2012**

Bracon (Glabrobracon) dersimensis Beyarslan, 2012. 3343, 45-56.

Distribution in Türkiye. Tunceli (Dersim) (Beyarslan & Çetin Erdoğan, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Western Palaearctic.

Distribution. Türkiye.

***Bracon (Glabrobracon) dichromus* (Wesmael, 1838)**

Bracon dichromus Wesmael, 1838. 11, 1-166.

Bracon (Glabrobracon) dichromus. Fahringer 1928. 433-606.

Synonym. *Bracon discretus* Szépligeti, 1901; *B. polonicus* Fahringer, 1927; *B. pseudopolonicus* Strand, 1928; *B. velbingeri* Fahringer, 1951.

Distribution in Türkiye. Kayseri (Kohl, 1905). Kırklareli, Usak (Beyarslan & Cetin Erdogan, 2012). Türkiye (Papp, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Algeria, Armenia, Austria, Azerbaijan, Belgium, Bulgaria, Croatia, Cyprus, Czechoslovakia, France, Georgia, Germany, Greece, Hungary, Iran, Israel, Italy, Kazakhstan, Latvia, Lithuania, Macedonia, Mongolia, Poland, Portugal, Romania, Russia, Spain, Sweden, Syria, Tunisia, Türkiye, Turkmenistan, Ukraine, United Kingdom, Uzbekistan, Former Yugoslavia.

Hosts. Coleoptera. Curculionidae. *Ceutorhynchus assimilis* (Paykull, 1792), *C. punctiger* (Sahlberg, 1835), *Gymnetron asellus* (Gravenhorst, 1807), *G. campanulae* (*Campanula*) Schoenherr, 1825, *G. tetrum* (Fabricius, 1792), *Larinus planus* (Fabricius 1792). **Buprestidae.** *Coraebus florentinus* (Herbst, 1801). **Hymenoptera.**

Tenthredinidae. *Hoplocampa minuta* (Christ, 1791).

Lepidoptera. Gelechiidae. *Platyedra subcinerea* (Haworth, 1828). **Noctuidae.** *Gortyna xanthenes* Germar, 1842. **Pyralidae.** *Myelois circumvoluta* Fourcroy, 1785 [*Onopordum acanthium*]. **Tortricidae.** *Cydia funebrana* (Treitschke, 1835).

***Bracon (Glabrobracon) discoideus* (Wesmael, 1838)**

Braco discoideus Wesmael, 1838. 1-166.

Bracon (Glabrobracon) discoideus. Tobias, 1958.

Synonym. *Bracon opionus* Fahringer, 1928; *B. pallidipes* Szépligeti, 1896; *Bracon subsinuatus* Szépligeti, 1901.

Distribution in Türkiye. Adana, Antalya, Mersin, Osmaniye (Beyarslan, 1986a). Adana, Antalya, İçel (Beyarslan, 1999). Türkiye (Beyarslan & Çetin Erdoğan, 2010). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Armenia, Austria, Belgium, Bulgaria, Czechoslovakia, Egypt, France, Germany, Hungary, Ireland, Italy, Kazakhstan, Kyrgyzstan, Moldova, Netherlands, Poland, Russia, Slovakia, Slovenia, Sweden, Switzerland, Türkiye, Ukraine, United Kingdom, Former Yugoslavia.

Hosts. Coleoptera. Attelibidae. *Byctiscus populi* (Linnaeus, 1758). **Curculionidae.** *Anthonomus pomorum* (Linnaeus, 1758), *A. spilotus* Redtenbacher, 1849, *Byctiscus betulae* (Linnaeus, 1758), *Ceutorhynchus assimilis* Paykull, 1792, *C. quadridens* Germar, 1824, *Curculio crux* (Fabricius, 1776), *C.*

nucum (Linnaeus, 1758), *C. pyrroceras* Marsham, 1802, *C. salicivorus* Paykull, 1792, *Pissodes notatus* Germar, 1817, *Rhynchites pauxillus* Germar, 1824.

Cerambycidae. *Saperda populnea* (Linnaeus, 1758).

Diptera. Chloropidae. *Chlorops pumilionis*

(Bjerkander, 1778). **Hymenoptera. Cynipidae.**

Biorhiza pallida (Olivier 1791). **Tenthredinidae.**

Euura mucronata Hartig 1837), *Pontania bridgmanii*

(Cameron, 1883) [*Salix cinerea*], *P. collectanea* (Forster,

1854 [*Salix repens*], *P. foetidae* Kopelke, 1989, *P.*

pedunculi (Hartig, 1837), *P. proxima* (Serville, 1823)

[*Salix fragilis*, *Salix triandra*], *P. vesicator* (Bremi 1849),

Pontania (Eupontania) viminalis (Linnaeus 1758).

Lepidoptera. Tortricidae. *Adoxophyes orana* (Fischer

von Röslerstamm, 1834), *Rhyacionia buoliana* (Denis &

Schiffermüller, 1775). **Geometridae.** *Anticlea badiata*

([Denis & Schiffermüller], 1775).

***Bracon (Glabrobracon) dolichurus* Marshall, 1897**

Bracon dolichurus Marshall, 1897. (1897-1900). 1-144.

Bracon (Glabrobracon) dolichurus. Fahringer, 1928. 433-606.

Synonym. *Bracon csikii* Szépligeti, 1901; *B. monticola* Kokujev, 1899.

Distribution in Türkiye. Kırklareli, Tekirdağ

(Beyarslan, 1987a). Imbros (Beyarslan et al., 2002b).

Çankırı (Beyarslan et al., 2005). Amasya (Beyarslan

et al., 2008a). Bayburt (Beyarslan & Cetin Erdogan,

2010). Türkiye (Beyarslan et al., 2010). Amasya,

Ankara, Bayburt, Çanakkale, Denizli, Elazığ,

Eskişehir, Gümüşhane, Imbros, Karaman,

Kastamonu, Malatya, Nevşehir, Sivas, Yozgat

(Beyarslan & Cetin Erdogan, 2012). Diyarbakır,

Kayseri, Konya, Malatya, Mardin (Beyarslan et al.,

2014). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Czechoslovakia, France, Hungary,

Iran, Israel, Romania, Russia, Spain, Türkiye. **Hosts.**

Coleoptera. Curculionidae. *Gymnetron asellus*

(Gravenhorst, 1807). **Lepidoptera. Tortricidae.** *Cydia*

funebrana (Treitschke, 1835). **Gelechiidae.** *Platyedra*

subcinerea (Haworth, 1828).

***Bracon (Glabrobracon) epitriptus* Marshall, 1885**

Bracon epitriptus Marshall, 1885. 1-280.

Bracon (Glabrobracon) epitriptus. Tobias, 1958.

Synonym. *Bracon maculifer* Szépligeti, 1901; *B. melanogaster* Szépligeti, 1901; *B. novus* Szépligeti, 1901; *B. cakili* Beyarslan, 1996.

Distribution in Türkiye. Zonguldak (Beyarslan et al., 2005). Amasya, Samsun, Tokat (Beyarslan et al., 2008a). Türkiye (Beyarslan et al., 2010). Afyon,

Amasya, Artvin, Bartın, Bayburt, Çankırı, Elazığ,

Eskişehir, Gümüşhane, İzmir, Kastamonu, Kırşehir,

Malatya, Mardin, Samsun, Sivas, Tekirdağ, Tokat,

Trabzon (Beyarslan & Cetin Erdogan, 2012).

Checklist (Beyarslan, 2014). Kars (Beyarslan, 2016).

Zoogeographic region. Palaearctic.

Distribution. Armenia, Austria, Azerbaijan, Belarus,

China, Croatia, Czech Republic, Czechoslovakia,

Georgia, Germany, Greece, Hungary, Iran, Italy,

Kazakhstan, Korea, Lithuania, Macedonia, Moldova,

Mongolia, Netherlands, Poland, Romania, Russia,

Slovenia, Switzerland, Türkiye, Ukraine, United

Kingdom, Former Yugoslavia.

Hosts. Coleoptera. Curculionidae. *Cryptorhynchus*

lapathi (Linnaeus, 1758), *Hylobius (Callirus)*

transversovittatus (Goeze, 1777) [*Lythrum salicaria*].

Diptera. Agromyzidae. *Agromyza flaviceps* Fallen,

1823, *Iteomyia capreae* (Winnertz, 1853).

Hymenoptera. Tenthredinidae. *Fenusa pusilla* Leach,

1817 [*Betula* sp.].

Biology. Oviposit in gall.

***Bracon (Glabrobracon) exhilarator* Nees, 1834**

Bracon exhilarator Nees, 1834. 1-320.

Bracon (Glabrobracon) exhilarator. Papp, 2005.

Synonym. *Braco satanas* Wesmael, 1838; *Bracon*

polonmersinla Strand, 1928; *B. polonmersinla* Strand,

1928; *B. striolatus* Thomson, 1892; *B. tibialis*

Zetterstedt, 1838.

Distribution in Türkiye. Edirne, Sanliurfa

(Beyarslan, 1999). Kastamonu, Sinop (Beyarslan et

al., 2005). Türkiye (Beyarslan et al., 2010).

Kastamonu, Sinop (Beyarslan & Cetin Erdogan,

2005). Türkiye (Beyarslan & Cetin Erdogan, 2010).

Malatya (Beyarslan & Cetin Erdogan, 2012). Türkiye

(Papp, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Armenia, Austria, Belgium, Bulgaria,

China, Cyprus, Czech Republic, Czechoslovakia,

Denmark, Finland, France, Georgia, Germany,

Hungary, Iran, Israel, Italy, Kazakhstan, Korea, Latvia, Lithuania, Moldova, Mongolia, Netherlands, Norway, Poland, Romania, Russia, Slovakia, Slovenia, Sweden, Switzerland, Türkiye, Ukraine, United Kingdom, Former Yugoslavia.

Hosts. Coleoptera. Apionidae. *Apion (Omphalopion) hookeri* Kirby, 1808. **Curculionidae.** *Eupoecilia ciliana* Huebner, 1799. **Diptera. Scathophagidae.** *Nanna armillata* (Zetterstedt, 1846), [*Phleum pratense*], *Nanna flavipes* (Fallén, 1819) [*Phleum pratense*], *Plioreocepta poeciloptera* (Schrank, 1776). **Tephritidae.** *Urophora stylata* (Fabricius, 1775). **Lepidoptera. Tortricidae.** *Acleris rhombana* (Denis & Schiffermüller). 1775.

***Bracon (Glabrobracon) fadiche* Beyarslan, 1996+**

Bracon (Glabrobracon) fadiche Beyarslan, 1996. 17 (21). 345-352.

Distribution in Türkiye. Tekirdağ (Beyarslan, 1996) Aegean region (Beyarslan et al., 2002a). Inseln Imbros und Tenedos (Beyarslan et al., 2002b). Bolu, Karabük, Kastamonu, Sinop (Beyarslan et al., 2005). Tekirdağ (Beyarslan et al., 2006a). Amasya, Tokat (Beyarslan et al., 2008a). Türkiye Tekirdağ (Beyarslan et al., 2010). Amasya, Ankara, Bartın, Çankırı, Çorum, Edirne, Elazığ, Eskişehir, Gümüşhane, İzmir, Karaman, Kırşehir, Muğla, Samsun, Sivas, Tekirdağ, Tokat, Trabzon, Yozgat (Beyarslan & Cetin Erdogan, 2012). Adıyaman (Beyarslan et al., 2014). Checklist (Beyarslan, 2014). Ardahan, Erzurum, Iğdır, Kars, Muş (Beyarslan, 2016).

Zoogeographic region. Western Palaearctic (Türkiye).

Distribution. Türkiye

***Bracon (Glabrobracon) filicornis* Thomson, 1892**

Bracon (Glabrobracon) filicornis.

Distribution in Türkiye. Kayseri (Beyarslan et al., 2014). Checklist (Beyarslan, 2014).

Zoogeographic region. Western Palaearctic.

Distribution. Austria, Sweden, Türkiye.

***Bracon (Glabrobracon) flavipalpis* Thomson, 1892**

Bracon (Bracon) flavipalpis Thomson, 1892. 1777-1861.

Bracon (Glabrobracon) flavipalpis. Fahringer, 1928. 433-606.

Distribution in Türkiye. Türkiye (Beyarslan et al., 2010). Malatya, Niğde, Sivas, Tokat (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Eastern Palaearctic.

Distribution. Finland, Hungary, Russia, Sweden, Türkiye.

***Bracon (Glabrobracon) frater* Tobias, 1957**

Bracon (Glabrobracon) frater Tobias, 1957. 476-500.

Distribution in Türkiye. Çorum, Tokat (Beyarslan et al., 2008a). Giresun (Beyarslan & Cetin Erdogan, 2010). Bartın, Çankırı, Çorum, Edirne, Elazığ, Erzincan, Giresun, Karabük, Kayseri, Konya, Malatya, Niğde, Sivas, Tokat, Trabzon (Beyarslan & Cetin Erdogan, 2012). Eskişehir (Beyarslan et al., 2014). Checklist (Beyarslan, 2014). Erzurum, Kars (Beyarslan, 2016).

Zoogeographic region. Palaearctic.

Distribution. Türkiye, Turkmenistan.

***Bracon (Glabrobracon) fumatus* Szépligeti, 1957**

Bracon fumatus Szépligeti, 1901. 261-288.

Bracon (Glabrobracon) fumatus. Papp, 1998. 145-162.

Synonym. *Bracon brunneipennis* Szépligeti, 1901.

Distribution in Türkiye. Türkiye (Papp, 2008). Adıyaman, Elazığ, Isparta, Malatya (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Austria, Croatia, Cyprus, France, Greece, Hungary, Israel, Kazakhstan, Moldova, Serbia & Montenegro, Spain, Switzerland, Tunisia, Türkiye, Ukraine, Former Yugoslavia.

***Bracon (Glabrobracon) helleni* Telenga, 1936**

Bracon helleni Telenga, 1936. 1-402.

Bracon (Glabrobracon) helleni. Tobias, 1958. 68-108.

Distribution in Türkiye. Ankara (Guler & Cagatay, 2001). Çorum (Beyarslan et al., 2008a). Ankara, Çorum, Istanbul (Beyarslan & Cetin Erdogan, 2012). Edirne, Giresun, Şanlıurfa (Beyarslan et al., 2014). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Cyprus, Hungary, Iran, Israel, Kazakhstan, Russia, Switzerland, Türkiye.

Bracon (Glabrobracon) hemiflavus Szépligeti, 1901

Bracon hemiflavus Szépligeti, 1901. 261-288.

Bracon (Glabrobracon) hemiflavus. Fahringer 1928. 433-606.

Synonym. *Bracon turcmenus* Telenga, 1936.

Distribution in Türkiye. Tenedos (Beyarslan et al., 2002b). Samsun (Beyarslan et al., 2008a). Türkiye (Papp, 2008). Antalya, Bayburt, Gümüşhane, Niğde (Beyarslan & Cetin Erdogan, 2010). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Azerbaijan, Bulgaria, Croatia, Cyprus, France, Greece, Hungary, Iran, Israel, Italy, Kazakhstan, Macedonia, Poland, Romania, Russia, Slovakia, Spain, Syria, Türkiye, Turkmenistan, Uzbekistan, Former Yugoslavia.

Hosts. **Coleoptera. Curculionide.** *Larinus flavescens* Germar, 1824. **Lepidoptera. Amphipyriinae.** *Gortyna xanthenes* Germar, 1844 [*Cynara scolymus*].

Bracon (Glabrobracon) immutator Nees, 1834

Bracon immutator Nees, 1834. 1-320.

Bracon (Glabrobracon) immutator. Papp, 1996. 145-170.

Synonym. *Bracon efoveolatus* Thomson, 1892; *B. hemirugosus* Szépligeti, 1901; *B. bilecikator*, Beyarslan, 1996.

Distribution in Türkiye. Bolu, Kastamonu (Beyarslan et al., 2005). Ordu, Tokat (Beyarslan et al., 2008a). Giresun (Beyarslan & Cetin Erdogan, 2010). Adana, Bayburt, Bilecik, Çanakkale, Ordu, Tokat (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Austria, Belgium, Bosnia Hercegovina, Bulgaria, Croatia, Cyprus, Czechoslovakia, Denmark, Finland, France, Germany, Hungary, Iran, Italy, Kazakhstan, Korea, Latvia, Macedonia, Moldova, Mongolia, Netherlands, Norway, Poland, Russia, Slovakia, Slovenia, Sweden, Switzerland, Türkiye, Ukraine, United Kingdom, Former Yugoslavia.

Hosts. **Coleoptera. Curculionidae.** *Anthonomus rubi* Herbst, 1795 [*Rubus idaeus*], *Ceutorhynchus pleurostigma* (Marshall, 1802), *Cryptorhynchus lapathi* Dejean, 1821, *Curculio villosus* Melsheimer, 1806, *Pissodes (Pissodes) castaneus* (De Geer, 1775). **Diptera.**

Tephritidae. *Urophora stylata* (Fabricius, 1775).

Hymenoptera. Cynipidae. *Andricus terminalis* Hartig, ?, *Biorhiza pallida* (Olivier, 1791).

Bracon (Glabrobracon) jaroslavensis Telenga, 1936

Bracon jaroslavensis Telenga, 1936. 1-402

Bracon (Glabrobracon) jaroslavensis. Tobias, 1957. 476-500.

Synonym. *Bracon camellatus* Telenga, 1936.

Distribution in Türkiye. Afyon, Muğla (Beyarslan & Cetin Erdogan, 2012). Afyon, Muğla (Beyarslan et al., 2010). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Azerbaijan, Greece, Hungary, Russia, Switzerland, Türkiye.

Bracon (Glabrobracon) jenoii Beyarslan, 2010

Bracon (Glabrobracon) jenoii Beyarslan, 2010.

Distribution in Türkiye. Konya (Beyarslan, 2010).

Zoogeographic region. Western Palaearctic (Türkiye).

Distribution. Türkiye.

Bracon (Glabrobracon) karakumicus Tobias, 1967

Bracon (Glabrobracon) karakumicus Tobias, 1967.

Distribution in Türkiye. Kars (Beyarslan, 2016).

Zoogeographic region. Palaearctic.

Distribution. Israel. Türkiye. Turkmenistan.

Bracon (Glabrobracon) kirgisorum Telenga, 1936

Bracon kirgisorum Telenga, 1936. 1-402.

Bracon (Glabrobracon) kirgisorum. Tobias, 1986. 85-149.

Distribution in Türkiye. Mardin (Cikman et al., 2006). Ankara, Gümüşhane, Sivas, Tunceli (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014). Ardahan, Erzurum, Kars (Beyarslan, 2016).

Distribution. Iran, Israel, Kyrgyzstan, Lithuania, Moldova, Türkiye.

Hosts. **Diptera. Agromyzidae.** *Phytomyza orobanchia* (Kaltenbach, 1864) [*Orobancha* sp.].

Bracon (Glabrobracon) lividus Telenga, 1936

Bracon lividus Telenga, 1936. 5 (2). 402.

Bracon (Glabrobracon) lividus. Tobias, 1958. 68-108.

Distribution in Türkiye. Balıkesir, Bilecik, Bursa, Çanakkale, Izmit (Beyarslan, 1999). Ankara (Guler & Cagatay, 2001). Denizli, Erzurum, Izmit, Kutahya,

Muğla (Beyarslan et al., 2002a). Imbros, Tenedos (Beyarslan et al., 2002b). Bolu, Çankırı, Kastamonu, Sinop (Beyarslan et al., 2005). Tekirdağ (Beyarslan et al., 2006a). Amasya, Çorum, Samsun, Tokat (Beyarslan et al., 2008a). Aksaray, Amasya, Ankara, Bayburt, Bursa, Çorum, Elazığ, Erzincan, Erzurum, Eskişehir, Giresun, Gümüşhane, Imbros, Isparta, Karaman, Kayseri, Malatya, Mardin, Nevşehir, Niğde, Samsun, Siirt, Sivas, Tekirdağ, Tokat, Trabzon, Tunceli, Uşak, Yozgat (Beyarslan & Cetin Erdogan, 2010). Adıyaman, Mardin, Şanlıurfa (Beyarslan et al., 2014). Checklist (Beyarslan, 2014). Ardahan, Erzurum, Iğdır, Kars (Beyarslan, 2016). Kastamonu, Sivas (Beyarslan et al., 2018). Bitlis (Beyarslan & Şahin, 2018).

Zoogeographic region. Palaearctic.

Distribution. Armenia, Germany, Greece, Hungary, Iran, Israel, Russia, Türkiye.

Hosts. Hymenoptera. Tenthredinidae. *Pontania vesicator* (Bremer, 1849).

***Bracon (Glabrobracon) longulus* Thomson, 1892**

Bracon (Bracon) longulus Thomson, 1892. (1777-1861). *Bracon (Glabrobracon) longulus*. Fahringer, 1928. 433-606.

Distribution in Türkiye. Türkiye (Papp, 2000). Türkiye (Beyarslan et al., 2010). Afyon, Aydın, Denizli, Kastamonu, Sinop, Tokat (Beyarslan & Cetin Erdogan, 2010). Checklist (Beyarslan, 2014).

Zoogeographic region. Western Palaearctic.

Distribution. Austria, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Israel, Italy, Macedonia, Norway, Slovenia, Spain, Sweden, Türkiye, Former Yugoslavia.

Hosts. Diptera. Agromyzidae. *Melanagromyza aenea* (Meigen, 1830).

***Bracon (Glabrobracon) malatyensis* Beyarslan, 2009**

Bracon (Orthobracon) malatyensis Beyarslan, 2009. 11(3). 31-36.

Bracon (Glabrobracon) malatyensis. Beyarslan, 2009

Distribution in Türkiye. Malatya (Beyarslan, 2009). Kayseri, Niğde (Beyarslan et al., 2014). Checklist (Beyarslan, 2014).

Zoogeographic region. Western Palaearctic
Distribution. Türkiye.

***Bracon (Glabrobracon) negativus* Tobias, 1957**

Bracon (Glabrobracon) negativus Tobias, 1957. 476-500.

Distribution in Türkiye. Tokat (Beyarslan et al., 2008a). Türkiye (Beyarslan et al., 2010). Artvin, Bartın, Samsun, Sivas, Tokat (Beyarslan & Cetin Erdogan, 2010). Checklist (Beyarslan, 2014). Ardahan (Beyarslan, 2016).

Zoogeographic region. Palaearctic.

Distribution. Türkiye. Turkmenistan.

***Bracon (Glabrobracon) nigripilosus* Tobias, 1957**

Bracon (Glabrobracon) nigripilosus Tobias, 1957. 476-500.

Distribution in Türkiye. Sinop (Beyarslan et al., 2005). Afyon, Edirne, Elazığ, Gümüşhane (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Iran, Russia, Türkiye.

***Bracon (Glabrobracon) nigriventris* (Wesmael, 1838)**

Bracon nigriventris Wesmael, 1838. 1-166.

Bracon (Glabrobracon) nigriventris. Papp, 1992.

Synonym. *Bracon indubius* Szépligeti, 1901; *B. laticeps* Telenga, 1936; *B. lautus* Szépligeti, 1901; *B. lencoranus* Telenga, 1936; *B. palpebrator* Ratzeburg, 1844; *B. persimilis* Telenga, 1936; *B. subornatus* Szépligeti, 1901; *B. turolus* Papp, 1984.

Distribution in Türkiye. Aegean region (Beyarslan et al., 2002b). Bartın, Bolu, Kastamonu (Beyarslan et al., 2005). Amasya, Ordu (Beyarslan et al., 2008a). Türkiye (Beyarslan et al., 2010). Amasya, Artvin, Bartın, Bolu, Çorum, Edirne, Giresun, Gümüşhane, Kastamonu, Kırklareli, Ordu, Sivas, Trabzon (Beyarslan & Cetin Erdogan, 2012). Türkiye (Papp, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Albania, Armenia, Austria, Azerbaijan, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Czechoslovakia, Denmark, France, Germany, Hungary, Iran, Italy, Kazakhstan, Latvia, Macedonia, Moldova, Mongolia, Poland, Romania,

Russia, Slovakia, Sweden, Switzerland, Türkiye, Ukraine, United Kingdom, Former Yugoslavia.

Hosts. Coleoptera. Cerambycidae. *Leiopus nebulosus* (Linnaeus, 1758), *Plagionotus floralis* Fuchs, 1956, *Pogonocherus fasciculatus* (Degeer, 1775), *P. hispidulus* (Piller & Mitterpacher, 1783), *P. hispidus* Linnaeus, 1758, *Scolytus intricatus* (Ratzeburg, 1837).

Curculionidae. *Blastophagus minor* Mader, 1937, *B. piniperda* (Linné, 1758), *Hylobius piceus* (De Geer, 1775), *Ips cembrae* (Heer, 1836) [*Larix europaea*], *I. typographus* (Linnaeus, 1758), *Magdalis rufa* Germar, 1824, *M. violacea* (Linnaeus, 1758), *Orthotomicus laricis* (Fabricius, 1792), *Pissodes notatus* (De Geer, 1775), *P. validirostris* (Sahlberg, 1834), *Pityogenes bidentatus* (Herbst, 1784).

***Bracon (Glabrobracon) obscurator* Nees, 1811**

Bracon obscurator Nees, 1811. 1-37.

Bracon (Glabrobracon) obscurator. Fahringer, 1928. 433-606.

Synonym. *Bracon claripennis* Thomson, 1892; *B. fumipennis* Thomson, 1892; *B. fuscipennis* Thomson, 1892; *B. kotulai* Niezabitowski, 1910; *B. marshalli* Szépligeti, 1901; *B. pallicarpus* Thomson, 1892; *B. parvicornis* Thomson, 1892; *B. rytrensis* Fahringer, 1927; *B. rytronis* Strand, 1928; *B. thomsoni* Marshall, 1897; *B. zaleszczykiensis* Strand, 1928.

Distribution in Türkiye. Adana, Antalya, Burdur, Isparta, Kahramanmaraş, Osmaniye (Beyarslan, 1986a). Kırklareli, Tekirdağ (Beyarslan, 1987a). Adana, Adapazarı, Antalya, Balıkesir, Bilecik, Burdur, Bursa, Çanakkale, Edirne, Isparta, Kahramanmaraş, Kırklareli, Osmaniye, Tekirdağ (Beyarslan, 1999). Aegean region (Beyarslan et al., 2002a). Tenedos (Beyarslan et al., 2002b). Bolu, Çankırı, Çorum, Düzce, Karabük, Kastamonu, Sinop, Zonguldak (Beyarslan et al., 2005). Tekirdağ (Beyarslan et al., 2006a). Amasya, Çorum, Ordu, Samsun, Tokat (Beyarslan et al., 2008a). Artvin, Bayburt Giresun, Gümüşhane (Beyarslan & Cetin Erdogan, 2010). Adıyaman, Aksaray, Amasya, Ankara, Artvin, Bayburt, Bilecik, Edirne, Elazığ, Erzincan, Giresun, Gümüşhane, Imbros, Kayseri, Kırklareli, Kırşehir, Konya, Malatya, Nevşehir, Rize, Samsun, Sinop, Sivas, Trabzon, Yozgat (Beyarslan & Cetin Erdogan, 2012). Adıyaman, Bitlis, Diyarbakır,

Mardin, Şanlıurfa (Beyarslan et al., 2014). Checklist (Beyarslan, 2014). Ardahan, Erzurum, Iğdır, Kars (Beyarslan, 2016). Sivas (Beyarslan et al., 2018).

Zoogeographic region. Palaearctic.

Distribution. Austria, Azerbaijan, Belgium, Bosnia Hercegovina, Bulgaria, China, Croatia, Cyprus, Czechoslovakia, Denmark, Finland, France, Germany, Greece, Hungary, Iran, Israel, Italy, Kazakhstan, Korea, Macedonia, Moldova, Mongolia, Netherlands, Norway, Poland, Romania, Russia, Slovenia, Spain, Sweden, Switzerland, Tajikistan, Tunisia, Türkiye, United Kingdom, Former Yugoslavia.

Hosts. Coleoptera. Curculionidae. *Hylesinus fraxini* (Panzer, 1779), *Orthotomicus suturalis* (Gyllenhal, 1827).

Buprestidae. *Trachys pumila* Illiger, 1803, *T. troglodytes* Kiesenwetter, 1857,

Scolytidae. *Ips typographus* (Linnaeus, 1758).

Diptera. Phasiinae. *Alophora costalis* (Malloch, 1929) [*Centaurea* sp.],

Tephritidae. *Cheilosia albipila* Meigen, 1838,

Syrphidae. *Hartigia xanthostoma* (Eversmann, 1847) [*Filipendula ulmaria*],

Sarcophagidae. *Tephritis neesii* Meigen, 1830 [*Leucanthemum vulgare*].

Lepidoptera. Coleophoridae. *Coleophora caespititiella* Zeller, 1839,

C. vulpecula Zeller, 1849 [*Astragalus* sp.].

Epermeniidae. *Phaulernis fulviguttella* (Zeller, 1839).

Pyralidae. *Phycitodes maritima* (Tengström, 1848), *Homoiosoma sinuellum* (Fabricius, 1794) [*Plantago lanceolata*].

Tineidae. *Agnathosia mendmersinla* Denis & Schiff, 1775 [*Antrodia serialis*],

Tortricidae. *Dichrorampha sedatana* Busck, 1906, *Spilonota ocellana* (Denis & Schiffermüller, 1775).

***Bracon (Glabrobracon) otiosus* Marshall, 1885**

Bracon otiosus Marshall, 1885. 1-280

Bracon (Glabrobracon) otiosus. Papp 1996. 145-170.

Synonym. *Bracon explorator* Szépligeti, 1904; *B. macrurus* Thomson, 1892; *B. pumilionis* Roman, 1928.

Distribution in Türkiye. Aegean region (Beyarslan et al., 2002a). Kastamonu (Beyarslan et al., 2005). Tekirdağ (Beyarslan et al., 2006a). Çorum, Ordu, Samsun, Tokat (Beyarslan et al., 2008a). Türkiye (Beyarslan et al., 2010). Artvin, Kastamonu, Kayseri, Kırşehir, Sivas, Tokat, Trabzon, Yozgat (Beyarslan & Cetin Erdogan, 2010). Checklist (Beyarslan, 2014). Ardahan, (Beyarslan, 2016).

Zoogeographic region. Palaearctic.

Distribution. Austria, Finland, Greece, Hungary, Israel, Korea, Lithuania, Netherlands, Norway, Romania, Spain, Sweden, Switzerland, Türkiye, Ukraine, United Kingdom.

Hosts. Coleoptera. Curculionidae. *Anthonomus pomorum* (Linnaeus, 1758), *Magdalis rufa* Porta, 1932.

Hymenoptera. Tenthredinidae. *Nematus (Bacconematus) pumilio* (Konow, 1903). **Lepidoptera.**

Agonoxenidae. *Blastodacna atra* (Haworth, 1828).

***Bracon (Glabrobracon) pachyceri* Quintaret, 1912**

Bracon pachyceri Quintaret, 1912. 4, 218-220.

Bracon (Glabrobracon) pachyceri. Fahringer, 1928. 433-606.

Distribution in Türkiye. Türkiye (Papp, 2000).

Zoogeographic region. Western Palaearctic.

Distribution. Bulgaria, Czech Republic, France, Hungary, Sweden, Türkiye.

Host. Coleoptera. Curculionidae. *Rhabdorrhynchus seriegranosus* Chevrolat, 1873 (= *Pachycerus varius* Herbst, 1795).

***Bracon (Glabrobracon) parvicornis* Thomson, 1892**

Bracon (Bracon) parvicornis Thomson, 1892. (1777-1861).

Bracon (Glabrobracon) parvicornis. Fahringer, 1928. 433-606.

Synonym. *Bracon carbonarius* Szépligeti, 1901.

Distribution in Türkiye. Kırklareli, Tekirdağ (Beyarslan, 1987a). Çorum, Samsun (Beyarslan et al., 2008a). Gümüşhane (Beyarslan & Cetin Erdogan, 2010). Türkiye (Beyarslan et al., 2010). Adiyaman, Amasya, Ankara, Diyarbakır, Elazığ, Eskişehir, Gümüşhane, Kayseri, Konya, Malatya, Samsun, Sivas, Tekirdağ, Tunceli, Yozgat (Beyarslan et al., 2014). Checklist (Beyarslan, 2014). Ardahan, Iğdır, Kars (Beyarslan, 2016). Sivas (Beyarslan et al., 2018).

Zoogeographic region. Palaearctic.

Distribution. Austria, Czech Republic, Czechoslovakia, Germany, Greece, Hungary, Italy, Kazakhstan, Macedonia, Mongolia, Poland, Russia, Slovakia, Sweden, Türkiye, Ukraine, Former Yugoslavia.

***Bracon (Glabrobracon) parvulus* (Wesmael, 1838)**

Bracon parvulus Wesmael, 1838. 1-166.

Bracon (Glabrobracon) parvulus. Fahringer, 1928. 433-606.

Synonym. *Bracon fuscipennis* Thomson, 1892; *B. thomsoni* Marshall, 1897.

Distribution in Türkiye. Adana, Antalya, Burdur, Mersin, Isparta, Kahramanmaraş (Beyarslan, 1986a). Aegean region (Beyarslan et al., 2002a Imbros (Beyarslan et al., 2002b). Bartın, Bolu, Düzce, Kastamonu, Karabük, Sinop, Zonguldak (Beyarslan et al., 2005). Amasya, Tokat (Beyarslan et al., 2008a). Türkiye (Beyarslan et al., 2010). Amasya, Kayseri, Malatya, Muğla, Tokat (Beyarslan & Cetin Erdogan, 2012). Türkiye (Papp, 2012). Checklist (Beyarslan, 2014). Ardahan, Erzurum, (Beyarslan, 2016).

Zoogeographic region. Oriental, Palaearctic.

Distribution. Armenia, Austria, Azerbaijan, Belgium, China, Croatia, Finland, France, Georgia, Germany, Greece, Hungary, Iran, Ireland, Israel, Italy, Latvia, Lithuania, Macedonia, Moldova, Netherlands, Norway, Poland, Romania, Russia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye, Ukraine, United Kingdom, Former Yugoslavia.

Hosts. Diptera. Agromyzidae. *Amauromyza flavifrons* Meigen, 1830. **Cecidomyiidae.** *Clinodiplosis strobi* Kieffer, 1909. **Tephritidae.** *Chaetostomella cylindrica* Robineau-Desvoidy, 1830 [*Chrysanthemum* sp.], *Tephritis bardanae* Schrank, 1803, *T. conura* Loew, 1844 [*Cirsium oleraceum*], *T. pulchra* Loew, 1844 [*Chrysanthemum leucanthemum*, *Scorzonera jaquiniana*], *Trupanea stellata* (Fuessly, 1775).

***Bracon (Glabrobracon) pauris* Beyarslan, 1996**

Bracon (Glabrobracon) pauris Beyarslan, 1996. 17 (21). 345-352.

Distribution in Türkiye. Edirne (Beyarslan, 1996). Türkiye (Papp, 2000). Karabük (Beyarslan et al., 2005). Ordu (Beyarslan et al., 2008a). Türkiye (Beyarslan et al., 2010). Artvin, Edirne, Elazığ, Malatya, Ordu, Sivas, Zonguldak (Beyarslan & Cetin Erdogan, 2010). Checklist (Beyarslan, 2014).

Zoogeographic region. Western Palaearctic.

Distribution. Bulgaria, Greece, Hungary, Israel, Spain, Türkiye.

Bracon (Glabrobracon) picticornis (Wesmael, 1838)

Bracon (Orthobracon) picticornis (Wesmael, 1838)

Braco picticornis Wesmael, 1838. 1-166.

Bracon (Glabrobracon) picticornis. Tobias, 1958.

Synonym. *Bracon gallarum* Ratzeburg, 1852; *B. laevigatus* Fahringer, 1927; *B. levigatissimus* Dalla Torre, 1898; *B. versicolor* Szépligeti, 1901.

Distribution in Türkiye. Edirne, Sanliurfa (Beyarslan, 1999). Argeab region (Beyarslan et al., 2002a). Imbros (Beyarslan et al., 2002b). Çorum, Kastamonu, Sinop, Zonguldak (Beyarslan et al., 2005). Tekirdağ (Beyarslan et al., 2006a). Amasya, Ordu, Samsun, Tokat (Beyarslan & Çetin Erdoğan, 2008a). Türkiye (Papp, 2012). Checklist (Beyarslan, 2014). Ardahan, Erzurum, Iğdır, Kars (Beyarslan, 2016).

Zoogeographic region. Palaearctic.

Distribution. Afghanistan, Armenia, Austria, Azerbaijan, Belgium, Bulgaria, China, Czech Republic, Czechoslovakia, Denmark, Finland, France, Georgia, Germany, Greece, Hungary, Iran, Ireland, Italy, Kazakhstan, Korea, Lithuania, Moldova, Mongolia, Netherlands, Norway, Poland, Romania, Russia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye, Ukraine, United Kingdom, Former Yugoslavia.

Hosts. Coleoptera. Curculionidae. *Curculio salicivorus* Paykull, 1792. **Cerambycidae.** *Plagionotus arcuatus* (Linné, 1758). **Diptera. Tephritidae.** *Euphranta connexa* (Fabricius, 1794) [*Vincetoxicum hirundinaria*]. **Agromyzidae.** *Melanagromyza albocilia* Hendel, 1931 [*Convolvulus arvensis*]. **Hymenoptera. Tenthredinidae.** *Euura mucronata* (Hartig, 1837), *E. venusta* Brischke, 1883, *Nematus (Nematus) bipartitus* Lepeletier, 1823, *N. cynereae* ?, (?). *N. salicis* (Linnaeus, 1758), *Pontania collactanea* (Foerster, 1854) [*Salix repens*], *P. pedunculi* (Hartig, 1837), *P. proxima* (Lepeletier, 1823) [*Salix fragilis*, *Salix triandra*], *P. vesicator* (Bremi 1849) [*Salix fragilis*], *P. viminalis* Linnaeus, 1758. **Lepidoptera. Tortricidae.** *Adoxophyes orana* Fischer von Röslerstamm, 1834 [*Malus* sp.]. *Cochylis dolosana* Kennel, 1901. *Hedya dimioalba* Retzius 1783 [*Malus* sp., *Pyrus* sp.], *H.*

pruniana Huebner [1799] [*Prunus* sp.], *Rhopobota naevana* (Huebner, 1817) [*Malus* sp.].

Biology. Oviposit in gall.

Bracon (Glabrobracon) pineti Thomson, 1892

Bracon pineti Thomson, 1892. 17, 1777-1861.

Bracon (Glabrobracon) pineti. Fahringer 1928. 433-606.

Distribution in Türkiye. Bolu, Kastamonu (Beyarslan et al., 2005). Tekirdağ (Beyarslan et al., 2006a). Amasya, Samsun, Tokat (Beyarslan et al., 2008a). Türkiye (Beyarslan et al., 2010). Bayburt, Giresun, Trabzon (Beyarslan & Cetin Erdogan, 2010). Afyon, Aksaray, Amasya, Ankara, Artvin, Bolu, Edirne, Elazığ, Erzincan, Eskişehir, Giresun, Istanbul, Kayseri, Kırklareli, Kırşehir, Konya, Malatya, Samsun, Sivas, Tokat (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014). Ardahan, Erzurum, Kars (Beyarslan, 2016).

Zoogeographic region. Palaearctic.

Distribution. Armenia, Austria, Azerbaijan, Croatia, Czechoslovakia, Finland, France, Georgia, Germany, Hungary, Iran, Israel, Kazakhstan, Lithuania, Moldova, Norway, Poland, Russia, Slovakia, Slovenia, Sweden, Switzerland, Türkiye, Former Yugoslavia.

Hosts. Coleoptera. Anobiidae. *Anobium abietis* Fabricius, 1792, *Ernobius abietinus* (Gyllenhal, 1808), *E. longicornis* (Sturm, 1837), *E. nigrinus* (Sturm, 1837).

Lepidoptera. Tortricidae. *Cydia strobilella* (Linnaeus, 1758), *Rhyacionia perangustana* Snellen, 1883.

Geometridae. *Thera variata* ([Denis & Schiffermüller], 1775).

Bracon (Glabrobracon) planinotus Tobias, 1957

Bracon (Glabrobracon) planinotus Tobias, 1957. 37 (2). 476-500.

Distribution in Türkiye. Ankara (Guler & Cagatay, 2001). Bolu (Beyarslan et al., 2005). Amasya (Beyarslan et al., 2008a). Türkiye (Beyarslan et al., 2010). Amasya, Çanakkale, Edirne, Eskişehir, Konya, Malatya, Ordu, Sivas (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014). Ardahan, Erzurum, Kars (Beyarslan, 2016).

Zoogeographic region. Palaearctic.

Distribution. Iran, Kazakhstan, Russia, Türkiye, Ukraine.

***Bracon (Glabrobracon) popovi* Telenga, 1936**

Bracon popovi Telenga, 1936. 5 (2). 402.

Bracon (Glabrobracon) popovi. Tobias, 1958. 68-108.

Synonym. *Bracon prodigiosus* Papp, 1971.

Distribution in Türkiye. Antalya, Hatay, Mersin, Isparta (Beyarslan, 1986a). Kırklareli, Tekirdağ (Beyarslan, 1987a). Antalya, Bursa, Çanakkale, Hatay, Mersin, Isparta (Beyarslan, 1999). Tenedos (Beyarslan et al., 2002b). Bolu, Karabük, Kastamonu, Sinop (Beyarslan et al., 2005). Tekirdağ (Beyarslan et al., 2006a). Amasya, Çorum, Ordu, Tokat (Beyarslan et al., 2008a). Türkiye (Beyarslan et al., 2010). Artvin, Bayburt, Giresun, Gümüşhane, Rize (Beyarslan & Cetin Erdogan, 2010). Aksaray, Amasya, Ankara, Artvin, Bayburt, Çankırı, Edirne, Elazığ, Eskişehir, Gaziantep, Giresun, Gümüşhane, Kastamonu, Kayseri, Kırşehir, Konya, Nevşehir, Sivas, Tekirdağ, Tokat, Trabzon, Tunceli, Yozgat (Beyarslan & Cetin Erdogan, 2012). Adıyaman (Beyarslan et al., 2014). Checklist (Beyarslan, 2014). Bitlis (Beyarslan & Şahin, 2018).

Zoogeographic region. Palaearctic.

Distribution. Armenia, Azerbaijan, Cyprus, Greece, Iran, Israel, Kazakhstan, Moldova, Mongolia, Russia, Türkiye, Turkmenistan.

***Bracon (Glabrobracon) praecox* (Wesmael, 1838)**

Bracon praecox Wesmael, 1838. 1-166.

Bracon (Glabrobracon) praecox. Fahringer, 1928. 433-606.

Synonym. *Bracon semiluteus* Walker, 1874.

Distribution in Türkiye. Konya (Beyarslan & Cetin Erdogan, 2012). Türkiye (Papp, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Algeria, Austria, Azerbaijan, Belarus, Belgium, Bulgaria, Croatia, Cyprus, Denmark, Finland, France, Germany, Greece, Hungary, Iraq, Israel, Italy, Japan, Jordan, Kazakhstan, Macedonia, Mongolia, Poland, Romania, Russia, Spain, Sweden, Switzerland, Türkiye, Turkmenistan, Ukraine, United Kingdom, Uzbekistan, Former Yugoslavia.

Hosts. **Coleoptera.** **Curculionidae.** *Pissodes validirostris* (Sahlberg, 1834), *Gymnetron campanulae* Schoenherr, 1825. **Diptera.** **Tephritidae.** *Tephritis*

leontodontis (DeGeer, 1776). **Hymenoptera.**

Tenthredinidae. *Hoplocampa brevis* (Klug, 1816).

Cynipidae. *Biorhiza pallida* (Olivier, 1791).

Lepidoptera. **Coleophoridae.** *Coleophora gallipennella*

Huebner, 1796, **Tortricidae.** *Gravitarmata*

margarotana (Heinemann, 1863).

***Bracon (Glabrobracon) tekkensis* Telenga, 1936**

Bracon tekkensis Telenga, 1936. 1-402.

Bracon (Glabrobracon) tekkensis. Tobias, 1958. 68-108.

Distribution in Türkiye. Kastamonu (Beyarslan et al., 2005). Tekirdağ (Beyarslan et al., 2006a). Çorum (Beyarslan et al., 2008a). Afyon, Çorum, Elazığ, Gümüşhane, Kayseri, Malatya, Nevşehir, Sivas, Tekirdağ (Beyarslan & Cetin Erdogan, 2012). Konya, Tokat, Yozgat (Beyarslan et al., 2014). Checklist (Beyarslan, 2014). Ardahan, Iğdır, (Beyarslan, 2016).

Zoogeographic region Palaearctic.

Distribution. Greece, Hungary, Iran, Israel, Macedonia, Türkiye, Turkmenistan, Former Yugoslavia.

***Bracon (Glabrobracon) terebella* (Wesmael, 1838)**

Bracon terebella Wesmael, 1838. 1-166.

Bracon (Glabrobracon) terebella. Fahringer 1928. 433-606.

Synonym. *Bracon curticaudis* Szépligeti, 1901.

Distribution in Türkiye. Burdur, Isparta (Beyarslan, 1986a, 1999). Ankara, Antalya, Çankırı, Niğde, Sivas (Beyarslan & Cetin Erdogan, 2010). Checklist (Beyarslan, 2014). Ardahan, Erzurum, Iğdır, Kars (Beyarslan, 2016).

Zoogeographic region. Nearctic, Palaearctic.

Distribution. Algeria, Armenia, Azerbaijan, Belgium, Cyprus, Czech Republic, Czechoslovakia, Denmark, Finland, France, France-main, Germany, Hungary, Israel, Italy, Korea, Lithuania, Moldova, Poland, Romania, Russia, Slovakia, Slovenia, Sweden, Switzerland, Syria, Türkiye, U.S.A., New York, Ohio, Pennsylvania). Ukraine, United Kingdom, Former Yugoslavia. Introduced into Canada-Ontario, Montana, North Dakota of U.S.A.

Hosts. **Coleoptera.** **Curculionidae.** *Cionus scrophulariae* (Linnaeus, 1758) [*Scrophularia nodosa*], *Gymnetron campanulae* Schoenherr, 1825.

Hymenoptera. Cephidae. *Cephus cinctus* Norton, 1872, *Trachelus tabidus* (Fabricius, 1787).

Biology: Biocontrol of *Cephus cinctus* Norton, 1872, *Cephus pygmaeus* (Linnaeus, 1766).

***Bracon (Glabrobracon) titubans* (Wesmael, 1838)**

Braco titubans Wesmael, 1838. 11, 1-166.

Bracon (Glabrobracon) titubans. Papp, 1998.

Synonym. *Bracon subornatus* Szépligeti, 1901; *B. tarsator* Thomson, 1892; *B. terebrator* Szépligeti, 1901.

Distribution in Türkiye. Çorum, Ordu (Beyarslan & Cetin Erdogan, 2012).

Zoogeographic region. Palaearctic.

Distribution. Afghanistan, Armenia, Austria, Belgium, Bulgaria, Croatia, Czechoslovakia, Finland, France, France-main, Georgia, Germany, Hungary, Italy, Korea, Mongolia, Netherlands, Poland, Romania, Russia, Slovakia, Slovenia, Sweden, Switzerland, Türkiye, Ukraine, United Kingdom, Former Yugoslavia.

Hosts. Coleoptera. Chrysomelidae. *Gastrophysa polygoni* (Linné, 1758), *Gastrophysa viridula* (De Geer, 1775), *Plagioderia versicolora* Laicharting, 1781.

***Bracon (Glabrobracon) tschitscherini* Kokujev, 1904**

Bracon tschitscherini Kokujev, 1904. 213-215.

Bracon (Glabrobracon) tschitscherini. Fahringer, 1928. 433-606.

Synonym. *Bracon helleni* Telenga, 1936; *B. ochrostigma* Telenga, 1936.

Distribution in Türkiye. Antalya, Mersin (Beyarslan, 1986a). Ankara (Guler & Cagatay, 2001). Amasya, Çorum, Tokat (Beyarslan et al., 2008a). Türkiye (Beyarslan et al., 2010). Gümüşhane (Beyarslan & Cetin Erdogan, 2010). (Beyarslan & Cetin Erdogan, 2012). Eastern Türkiye (Gültekin et al., 2008) Adana, Amasya, Ankara, Erzincan, Eskişehir, Gümüşhane, Kırşehir, Nevşehir, Sivas, Tekirdağ, Tokat, Yozgat (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Azerbaijan, Cyprus, Greece, Hungary, Iran, Israel, Italy, Kazakhstan, Kyrgyzstan, Russia, Tajikistan, Türkiye, Turkmenistan, Uzbekistan.

Hosts. Coleoptera. Curculionidae. *Larinus filiformis* Petri, 1907.

***Bracon (Glabrobracon) variator* Nees, 1811**

Bracon variator Nees, 1811, 1-37.

Bracon (Glabrobracon) variator. Fahringer, 1928. 433-606.

Synonym. *Braco bipartitus* Wesmael, 1838; *Braco dichromus* Wesmael, 1838; *Braco maculiger* Wesmael, 1838; *Bracon biorrhizae* Fahringer, 1928; *B. breviventris* Szépligeti, 1901; *B. collaris* Telenga, 1936; *B. collinus* Szépligeti, 1896; *B. explorator* Szépligeti, 1904; *B. guttator* Panzer, 1804; *B. hemiflavus* Szépligeti, 1901; *B. hyalinipennis* Szépligeti, 1901; *B. ornatulus* Telenga, 1936; *B. pumilionis* Roman, 1928; *B. rotundatus* Szépligeti, 1901; *B. rotundulus* Szépligeti, 1904; *B. rytrensis* Niezabitowski, 1910.

Distribution in Türkiye. Amanos Mountains (Fahringer, 1922). Adana, Antalya, Mersin, Isparta, Kahramanmaraş (Beyarslan, 1986a). Edirne, Kırklareli (Beyarslan, 1987a). Türkiye (van Achterberg, 1993). Adana, Adapazarı, Antalya, Balıkesir, Bursa, Çanakkale, Edirne, Isparta, İstanbul, Izmit, Kahramanmaraş, Sanliurfa, Tekirdağ, Van (Beyarslan, 1999). Ankara (Guler & Cagatay, 2001). Aegean region (Beyarslan et al., 2002a). Imbros, Tenedos (Beyarslan et al., 2002b). Kastamonu, Bartın, Bolu, Çankırı, Düzce, Karabük, Sinop (Beyarslan et al., 2005). Tekirdağ (Beyarslan et al., 2006a). Amasya, Ordu, Samsun, Tokat (Beyarslan et al., 2008a). Türkiye (Beyarslan et al., 2010). Erzurum (Guclu & Ozbek, 2011). Türkiye (Beyarslan & Cetin Erdogan, 2010). Aksaray, Amasya, Ankara, Antalya, Artvin, Bartın, Bayburt, Bilecik, Burdur, Çankırı, Denizli, Edirne, Elazığ, Erzincan, Eskişehir, Giresun, Gümüşhane, Kayseri, Kırıkkale, Kırklareli, Konya, Malatya, Nevşehir, Rize, Samsun, Sivas, Tekirdağ, Tokat, Trabzon, Tunceli, Yozgat, Zonguldak (Beyarslan & Cetin Erdogan, 2012). Türkiye (Papp, 2012). Şanlıurfa (Beyarslan et al., 2014). Checklist (Beyarslan, 2014). Iğdır, Kars (Beyarslan, 2016).

Zoogeographic region. Palaearctic.

Distribution. Albania, Algeria, Armenia, Austria, Azerbaijan, Belgium, Bosnia Hercegovina, Bulgaria, Canary Islands, China, Croatia, Cyprus, Czech Republic, Czechoslovakia, Denmark, Finland, France, Georgia, Germany, Greece, Hungary, Iran, Ireland, Israel, Italy, Jordan, Kazakhstan, Korea,

Latvia, Lithuania, Macedonia, Moldova, Mongolia, Netherlands, Norway, Poland, Portugal, Romania, Russia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Syria, Tajikistan, Tunisia, Türkiye, Turkmenistan, Ukraine, United Kingdom, Uzbekistan, Former Yugoslavia.

Hosts. Coleoptera. Anobiidae. *Ernobius nigrinus* (Sturm, 1837). **Buprestidae.** *Coraebus florentinus* (Herbst, 1801). **Chrysomelidae.** *Bruchidius lividimanus* (Gyllenhal, 1833), *B. poupillieri* Allard, 1868, *Bruchus atomarius* (Linnaeus, 1761), *B. laticollis* Boheman, 1833, *B. lentis* Frölich, 1799, *B. viciae* Olivier, 1795. **Curculionidae.** *Anthonomus pomorum* (Linnaeus, 1758), *Baris chlorizans* Germar, 1837, *B. cuprirostris* Germar, 1817, *B. laticollis* (Marsham, 1802), *Ceutorhynchus assimilis* Paykull, 1792, *C. punctiger* (Gyllenhal, 1837), *Gymnetron asellus* (Gravenhorst, 1807), *G. campanulae* (Campanula) Schoenherr, 1825, *G. tetrum* (Fabricius, 1792). *Larinus flavescens* Germar, 1824, *L. jaceae* (Fabricius, 1775), *L. planus* Germar, 1824, *L. turbinatus* (Gyllenhal, 1836), *Magdalis rufa* Germar, 1824, *Pissodes validirostris* Gyllenhal, 1835, *Sibinia viscariae* Linnaeus, 1761, *S. viscariae* (*Silene inflata*) Linnaeus, 1761, *Sitona longulus* Gyllenhal, 1834. **Diptera. Tephritidae.** *Chaetostomella cylindrica* (Robineau-Desvoidy, 1830), *Noeeta pupillata* Fallen, 1814, *Sphenella marginata* Fallen, 1814, *Tephritis leontodontis* (DeGeer, 1776), *Urophora* (*Carduus nutans*) (Fabricius, 1775). **Anthomyiidae.** *Anthomyia albimana* Zetterstedt, 1845, *Botanophila seneciella* Meade, 1892. **Cecidomyiidae.** *Mikiola fagi* (Hartig, 1839). **Hymenoptera. Tenthredinidae.** *Hoplocampa minuta* (Christ, 1791), *H. brevis* (Klug, 1816), *H. flava*, (Linnaeus, 1761), *Caliroa cerasi*, (Linnaeus, 1758). **Lepidoptera. Amphipyriinae.** *Gortyna xanthenes* (*Cynara scolymus*) Germar, 1844. **Carposinidae.** *Carposina niponensis* Walsingham 1900. **Coleophoridae.** *Coleophora coronillae* Zeller, 1849, *C. medelichensis* Krone, 1908. **Hadeninae.** *Hadena bicruris* (Hufnagel, 1766). **Gelechiidae.** *Mesophlepscors mersinla* Herrich-Schäffer, 1856, *Pexicopia malvella* (Huebner, 1805), *Platyedra subcinerea* (Haworth, 1828). **Geometridae.** *Perizoma lugdunaria* Herrich-Schäffer 1855. **Gracillariidae.** *Phyllonorycter mespilella* (Huebner, 1805).

Lycaenidae. *Lampides boeticus* (Linnaeus, 1767). **Noctuidae.** *Myelois circumvoluta* (Onopordum acanthium) (Fourcroy, 1785). **Nymphalidae.** *Vanessa cardui* Linnaeus, 1758. **Pyalidae.** *Etiella zinckenella* (Treitschke, 1832), *Myelois circumvoluta* (Fourcroy, 1785), *Dioryctria abietella* ([Denis & Schiffermüller], 1775). **Sesiidae.** *Synanthedon andrenaeformis* Laspeyres, 1801. **Tortricidae.** *Acleris variegana* (Malus) ([Denis & Schiffermüller], 1775), *Barbara herrichiana* Obraztsov, 1960, *Cydia dorsana* Fabricius, 1775, *Cydia funebrana* (Treitschke, 1835). *Eucosma cana* (Haworth, 1811), *Gypsonoma aceriana* (Duponchel, 1843), *Pandemis cerasana* (Huebner, 1786), *Rhopobota naevana* (Malus) (Huebner, 1817), *Rhyacionia resinella* (Linnaeus, 1758).

***Bracon (Glabrobracon) zonites* Marshall, 1811**

Bracon zonites Marshall, 1897. 5-369.

Bracon (Glabrobracon) zonites. Fahringer, 1928. 433-606.

Distribution in Türkiye. Sivas (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. China, Hungary, Italy, Switzerland, Türkiye.

Subgenus *Habrobracon*, Ashmead, 1895

Habrobracon Ashmead, 1895. 324-325.

***Bracon (Habrobracon) breviradiatus* (Tobias, 1957)**

Habrobracon (Habrobracon) breviradiatus Tobias, 1957. 476-500.

Bracon (Habrobracon) breviradiatus. Shenefelt, 1978. 1425-1872.

Distribution in Turkey. Afyon, Mardin (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014)

Zoogeographic region. Palaearctic.

Distribution. Mongolia, Turkey, Turkmenistan.

***Bracon (Habrobracon) concolorans* Marshall, 900**

Habrobracon nigricans Szépligeti, 1901. 261-288.

Synonym. *Habrobracon mongolicus* (Telenga, 1936); *Bracon nigricans* (Szépligeti, 1901).

Distribution in Turkey. Adiyaman, Edirne, Mersin (Beyarslan, 1999). Aegean region (Beyarslan et al., 2002a). (Imbros (Beyarslan et al., 2002b). Kastamonu

(Beyarslan et al., 2005). Amasya, Çorum, Tokat (Beyarslan et al., 2008a). Türkiye (Papp, 2008). Türkiye (Beyarslan et al., 2010). Bayburt, Gümüşhane (Beyarslan & Cetin Erdogan, 2010). Amasya, Ankara, Bayburt, Çankırı, Elazığ, Eskişehir, Gümüşhane, Kayseri, Kırıkkale, Konya, Malatya, Niğde, Samsun, Sivas, Tokat, Yozgat (Beyarslan & Cetin Erdogan, 2012). Diyarbakır, Mardin, Şanlıurfa (Beyarslan et al., 2014). Checklist (Beyarslan, 2014). Ardahan, Erzurum, Iğdır, Kars (Beyarslan, 2016). Antalya (Topakçı et al., 2022).

Zoogeographic region. Oriental, Palaearctic.

Distribution. Armenia, Azerbaijan, Bulgaria, China, Croatia, Czechoslovakia, France, Georgia, Greece, Hungary, Iran, Italy, Kazakhstan, Kyrgyzstan, Lithuania, Moldova, Mongolia, Poland, Russia, Tunisia, Türkiye, Turkmenistan.

Hosts. Leiodoptera. Tortricidae. *Cnephasia sedana* Constant 1884. **Pyralidae.** *Etiella zinckenella* (Treitschke, 1832). **Crambidae.** *Loxostege sticticalis* (Linnaeus, 1761). **Gelechiidae.** *Pexicopia malvella* (Huebner, 1805), *Tuta absoluta* (Meyrick, 1917)

***Bracon (Habrobracon) crassicornis* Thomson, 1892**

Habrobracon (Habrobracon) flavosignatus Tobias, 1957. 476-500.

Bracon (Habrobracon) flavosignatus. Shenefelt, 1978. 1425-1872.

Synonym. *Habrobracon (Habrobracon) flavosignatus* Tobias, 1957.

Distribution in Türkiye. Aegen region (Beyarslan et al., 2002a). Afyon, Amasya, Diyarbakır, Edirne, Kırklareli, Malatya (Beyarslan & Cetin Erdogan, 2012). Türkiye (Papp, 2008). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Cyprus, Georgia, Greece, Spain, Türkiye, Turkmenistan.

***Bracon (Habrobracon) didemae* Beyarslan, 2002**

Bracon (Habrobracon) didemae Beyarslan, 2002. 189-200.

Distribution in Türkiye. Kırklareli (Beyarslan, 2002b). Türkiye (Beyarslan et al., 2010). Elazığ, Eskişehir, Kırklareli, Malatya, Sinop, Sivas (Beyarslan & Cetin Erdogan, 2012). Hatay (Doğanlar

& Yiğit, 2011). Checklist (Beyarslan, 2014). Şanlıurfa (Altun & Çıkman, 2019). Adana (Karut et al., 2023). **Zoogeographic region.** Western Palaearctic (Türkiye).

Distribution. Türkiye.

Host. Lepidoptera. Gelechiidae. *Tuta absoluta* (Meyrick, 1917) (Doğanlar & Yiğit, 2011; Altun & Çıkman, 2019; Karut et al., 2023).

***Bracon (Habrobracon) hebetor* Say, 1835**

Bracon hebetor Say, 1835. 210-305.

Bracon (Habrobracon) hebetor. Shenefelt 1978. 1425-1872.

Synonym. *Bracon brevicornis* (Wesmael, 1838); *Bracon breviantennatus* de Stefani, 1919; *B. dorsator dorsator* Say, 1836; *B. juglandis* Ashmead, 1889; *Habrobracon asiaticus* (Telenga, 1936); *H. beneficentior* (Viereck, 1911); *H. brunneus* (Szépligeti, 1901); *H. flavus* (Telenga, 1936); *H. lozinskii* (Bogacev, 1939); *H. pectinophorae* (Watanabe, 1935); *H. plotnicovi* (Bogoljubov, 1914); *H. tortricidarum* (Goidanich, 1934); *H. turkestanicus* (Telenga, 1936); *H. vernalis* (Szépligeti, 1901).

Distribution in Türkiye. Aegean region of Türkiye (Hagan, 1929). Türkiye (Reed, 1935). Türkiye (Friese, 1963). Adana, Antalya, Burdur, Gaziantep, Mersin, Kahramanmaraş, (Beyarslan, 1986b). Kırklareli, Tekirdağ (Beyarslan, 1987a). Southeastern Anatolia (Yasarakinci & Kornosor, 1990). Türkiye (van Achterberg & Polaszek, 1996). Adana, Antalya, Balıkesir, Bilecik, Burdur, Bursa, Diyarbakır, Edirne, Erzurum, Gaziantep, Hatay, Mersin, Kahramanmaraş, Kilis, Kırklareli, Tekirdağ, Van (Beyarslan, 1999). Burdur (Zeki et al., 1999). Aegen region (Beyarslan et al., 2002a). Amasya, Karabük, Kastamonu, Sinop, Zonguldak (Beyarslan et al., 2005). Tekirdağ (Beyarslan et al., 2006a). Ordu, Samsun, Tokat (Beyarslan et al., 2008a). Southeast Anatolian Region of Türkiye. (Gözüaçık et al., 2009). Erzurum (Guclu & Ozbek, 2011). Türkiye (Beyarslan et al., 2010). Adıyaman, Ankara, Balıkesir, Çanakkale, Diyarbakır, Elazığ, Erzincan, Eskişehir, Imbros, Kayseri, Kırşehir, Konya, Malatya, Mardin, Nevşehir, Sivas, Tokat, Yozgat (Beyarslan & Cetin Erdogan, 2012). Şanlıurfa (Beyarslan et al., 2014). Checklist (Beyarslan, 2014). Hatay (Doğanlar & Yiğit,

2011). Checklist (Beyarslan, 2014). Şanlıurfa (Altun & Çıkman, 2019). Diyarbakır, Mardin, Şanlıurfa (Bayram et al., 2019). Hatay Şanlıurfa Diyarbakır Mardin (2011, Bayram et al., 2014).

Zoogeographic region. Australasian, Palaearctic, Ethiopian, Nearctic, Neotropical, Oceanic, Oriental.

Distribution. Afghanistan, Algeria, Argentina, Armenia, Australia, Azerbaijan, Azores, Bangladesh, Barbados, Belgium, Bermuda, Botswana, Brazil, Bulgaria, Canary Islands, Cape Verde Islands, China, Croatia, Cuba, Cyprus, Czech Republic, Czechoslovakia, Egypt, France, Georgia, Germany, Greece, Hungary, India, Iran, Iraq, Ireland, Israel, Italy, Jamaica, Japan, Malta, Mexico, Moldova, Mongolia, Morocco, Mozambique, Myanmar, Netherlands, New Zealand, Niger, Nigeria, Pakistan, Peru, Poland, Puerto Rico, Romania, Russia, Saudi Arabia, Senegal, Singapore, Slovakia, Slovenia, South Africa, Spain, Spain-main, Sri Lanka, Sudan, Tajikistan, Thailand, Tunisia, Türkiye, Turkmenistan, U.S.A.(California, Connecticut, District of Columbia, Florida, Georgia, Hawaii, Illinois, Indiana, Kansas, Kentucky, Maryland, Massachusetts, Michigan, Nevada, New Hampshire, New Jersey, New York, North Carolina, Ohio, Pennsylvania, South Carolina, South Dakota, Texas, Utah, Virginia, West Virginia, Wisconsin). United Kingdom, Uzbekistan, Vietnam, Former Yugoslavia. introduced into Ontario, Quebec of Canada and China-Taiwan, Fiji, India, Mexico, Trinidad & Tobago; Florida, Illinois, Indiana, Louisiana, Massachusetts, Michigan, -New York, Ohio, Pennsylvania, Texas, Virginia of U.S.A.

Hosts. Coleoptera. Curculionidae. *Anthonomus grandis* Boheman, 1843. **Bruchidae.** *Caryedon serratus* (Olivier, 1790). **Hymenoptera. Cynipidae.** *Andricus caputmedusae* (Hartig, 1843). **Braconidae.** *Apanteles taragamae* Viereck, 1912. **Lepidoptera. Arctiidae.** *Utetheisa pulchella* (Linnaeus, 1758) [*Crotalaria juncea*]. **Blastobasidae.** *Pseudohypatopa pulverea* (Meyrick, 1907) [*Laccifer lacca*]. **Crambidae.** *Chilo suppressalis*, Walker, 1863, *Crocidolomia pavonana* (Fabricius, 1794). **Depressariidae.** *Depressaria* sp. [*Pimpinella anisum*], *Agonopterix nervosa* (Haworth, 1811). **Gelechiidae.** *Stomopteryx nerteria* (Meyrick, 1906),

Pexicopia malvella Huebner, 1803, *Phthorimaea operculella* (Zeller, 1873), *Pectinophora gossypiella* (Saunders, 1844), *Sitotroga cerealella* (Olivier, 1789), *Exoteleia dodecella* Linnaeus, 1758, *Tuta absoluta* (Meyrick, 1917). **Lymantriidae.** *Lymantria dispar* (Linnaeus, 1758). **Oecophoridae.** *Spodoptera littoralis* Boisduval, 1833 [*Gossypium hirsutum*]. **Noctuidae.** *Achaea janata* (Linnaeus, 1758), *Adisura atkinsoni* Moore, 1881, *Busseola fusca* Fuller, 1901 [*Zea mays*, *Sorghum bicolor*, *Cicer arietinum*, *Gossypium hirsutum*, *Lycopersicon esculentum*], *Diparopsis castanea* Hampson, 1902, *Earias insulana* Boisduval, 1833, *E. vittella* Fabricius, 1794 [*Hibiscus esculentus*], *Eublemma amabilis* Saalmüller, 1891, *E. amabilis* Saalmüller, 1891 [*Laccifer lacca*], *Helicoverpa armigera* (Huebner, 1805) [*Cajanus cajan*], *H. peltigera* Denis & Schiffermüller, 1775, *H. virescens* Fabricius, 1777, *H. zea* (Boddie, 1850) [*Gossypium hirsutum*, *Lablab purpureus*, *Solanum tuberosum*], *Nephantis serinopa* Meyrick, 1905 [*Cocos nucifera*], *Opisina arenosella* Walker, 1864 [*Cocos nucifera*], *Spodoptera litura* Fabricius, 1775. **Papilionidae.** *Princeps demoleus* Linnaeus, 1758. **Pyralidae.** *Cactoblastis cactorum* Berg 1885, *Corcyra cephalonica* (Stainton, 1866) [*Lens esculenta*], *Achroia grisella* Fabricius, 1794, *Ancylosis undulatella* Clemens, 1860, *Antigastra catalaunalis* Duponchel, 1833, *Apomyelois ceratoniae* Zeller, 1839 [*Ceratonia siliqua*, *Punica granatum*], *Arenipses sabella* Hampson, 1901 [*Phoenix dactylifera*], *Cadra calidella* Guenée, 1845, *C. cautella* Walker, 1863 [stored products], *C. figulilella* Gregson, 1871 [stored products], *Chilo infuscatellus* Snellen, 1890, *Cnaphalocrocis medinalis* Guenée, 1854, *Corcyra cephalonica* Stainton, 1866 [*Cicer arietinum*, *Gossypium hirsutum*], *Diatraea saccharalis* (Fabricius, 1794), *Dioryctria abietella* (Denis & Schiffermüller, 1775), *Ephestia elutella* Huebner, 1796 [stored products], *Ephestia kuehniella* Zeller, 1879, *E. kuehniella* Zeller, 1879, *Etiella zinckenella* Treitschke, 1832, *Euzophera punicaeella* Moore, 1891, *Galleria mellonella* Linnaeus, 1758, *Hellula undalis* Fabricius, 1781, *Homoeosoma nebulella* Denis & Schiffermüller, 1775, *Laetilia coccidivora* Comstock, 1879, *Lamida moncusalis* Walker, 1859, *Maruca vitrata* Fabricius, 1787, *Noorda moringae* Tams, 1938 [*Moringa oleifera*], *Ostrinia*

nubilalis (Huebner, 1796), *Paralipsa gularis* (Zeller, 1877), *Pieris rapae* (Linnaeus, 1758), *Plodia interpunctella* (Huebner, 1813) [dried fruits/vegetables], *Pyralis farinalis* Linnaeus, 1758, *Pyrausta purpuralis* (Linnaeus, 1758), *P. sanguinalis* Linnaeus, 1767, *Scirpophaga nivella* Fabricius, 1794, *Stenachroia elongella* Hampson, 1898, *Vitula biviella* Zeller, 1848, *V. edmandsii* Packard, 1865. **Sesiidae.** *Synanthedon pictipes* Grote & Robinson, 1868. **Tineidae.** *Opogona sacchari* Bojer 1856, *Tineola bisselliella* (Fabricius, 1794). **Tortricidae.** *Cnephasia nubilana* (Huebner, 1799), *Cydia strobilella* (Fabricius, 1794), *Grapholita molesta* Busck, 1916, *Lobesia viteana* Clemens, 1860, *Pammene amygdalana* (Duponchel in Godart, 1842), *P. gallicolana* Zeller, 1846, *Pseudosciaphila branderiana* Linnaeus, 1758, *Rhyacionia buoliana* (Denis & Schiffermuller, 1775), *Spilonota ocellana* (Denis & Schiffermüller, 1775), *Tortrix viridana* Linnaeus, 1758.

***Bracon (Habrobracon) kopetdagi* (Tobias, 1957)**

Habrobracon (Habrobracon) kopetdagi Tobias, 1957. 476-500.

Bracon (Habrobracon) kopetdagi. Shenefelt, 1978. 1425-187.

Distribution in Türkiye. Türkiye (Beyarslan et al, 2010). Edirne, Elazığ, Eskişehir, Tunceli (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Azerbaijan, Georgia, Kazakhstan, Moldova, Mongolia, Tajikistan, Türkiye, Turkmenistan,

Hosts. **Coleoptera.** **Buprestidae.** *Anthaxia plaviltschikovi* ?, ?. **Lepidoptera.** **Gelechiidae.** *Anarsia lineatella* Zeller, 1839.

****Bracon (Habrobracon) nygmiae* (Telenga, 1936)**

Habrobracon nygmiae Telenga, 1936. 1-402.

Bracon (Habrobracon) nygmiae. Shenefelt, 1978. 1425-1872.

Distribution in Türkiye. Amasya (Beyarslan et al., 2008a). Amasya, Ankara (Beyarslan et al., 2010). Checklist (Beyarslan, 2014).

Zoogeographic region. Western Palaearctic.

Distribution. Armenia, Germany, Moldova, Russia, Türkiye, Ukraine.

Hosts. **Lepidoptera.** **Lymantriidae.** *Euproctis chrysorrhoea* (Linnaeus, 1758).

***Bracon (Habrobracon) pillerianae* (Fischer, 1978)**

Habrobracon pillerianae Fischer, 1978. 1, 147-160.

Distribution in Türkiye. Türkiye (Fischer, 1978). Checklist (Beyarslan, 2014).

Zoogeographic region. Western Palaearctic.

Distribution. Türkiye.

***Bracon (Habrobracon) ponticus* Tobias, 1986**

Bracon (Habrobracon) ponticus Tobias, 1986. 85-149.

Distribution in Türkiye. Türkiye (Beyarslan et al., 2010). Edirne (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Western Palaearctic.

Distribution. Greece, Hungary, Moldova, Russia, Türkiye, Ukraine.

***Bracon (Habrobracon) simonovi* (Kokujev, 1914)**

Habrobracon simonovi Kokujev, 1914. 513-514.

Bracon (Habrobracon) simonovi. Shenefelt, 1978. 1425-1872.

Synonym. *Habrobracon plotnicovi* Telenga, 1936.

Distribution in Türkiye. Türkiye (Beyarslan et al., 2010). Elazığ, Erzurum, Kayseri, Kırşehir, Yozgat (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014). Iğdır, (Beyarslan, 2016).

Zoogeographic region. Palaearctic.

Distribution. Azerbaijan, China, Cyprus, Israel, Korea, Mongolia, Türkiye, Turkmenistan, Uzbekistan.

Hosts. **Lepidoptera.** **Nolidae.** *Earias roseipes* Filipjev, 1934. **Noctuidae.** *Helicoverpa armigera* (Huebner, 1808), *Helicoverpa zea* (Boddie, 1850) [*Gossypium hirsutum*]. **Pyralidae.** *Ostrinia nubilalis* (Huebner, 1796). **Noctuidae.** *Spodoptera exigua* (Huebner, 1808).

***Bracon (Habrobracon) stabilis* (Wesmael, 1838)**

Braco stabilis Wesmael, 1838. 1-166.

Bracon (Habrobracon) stabilis. Shenefelt, 1978. 1425-1872.

Synonym. *Bracon concolor* Thomson, 1892; *B. concolorans* Marshall, 1900; *B. opacus* Fahringer, 1928.

Distribution in Türkiye. Türkiye (Haeselbarth, 1983). Türkiye (Tobias, 1986). Türkiye (Beyarslan et

al, 10). Gümüşhane, Trabzon (Beyarslan & Cetin Erdogan, 2012). Adıyaman, Çankırı, Diyarbakır, Elazığ, Gümüşhane, Malatya, Mardin, Nevşehir, Sivas, Yozgat (Beyarslan & Cetin Erdogan, 2010). Mardin (Beyarslan et al., 2014). Checklist (Beyarslan, 2014). Ardahan, Kars (Beyarslan, 2016).

Zoogeographic region Nearctic, Oriental, Palaearctic.

Distribution. Armenia, Austria, Azerbaijan, Belgium, Bulgaria, Canada, China, Croatia, Cyprus, Czech Republic, Czechoslovakia, Estonia, Finland, France, Germany, Greece, Hungary, Iran, Ireland, Israel, Italy, Kazakhstan, Lithuania, Malta, Moldova, Netherlands, Poland, Romania, Russia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Tunisia, Türkiye, Ukraine, United Kingdom, Former Yugoslavia. Introduced into U.S.A.-Oregon. Introduced into U.S.A.-Oregon.

Hosts. Coleoptera. Curculionidae. *Anthonomus pomorum* (Linnaeus, 1758), *Hylesinus crenatus* (Fabricius, 1787), *H. fraxini* (Panzer, 1779). *H. oleiperda* Fabricius, 1792. **Dermestidae.** *Attagenus pellio* (Linnaeus, 1758). **Anobiidae.** *Ernobius kiesewetteri* Schilsky, 1898, *E. nigrinus* (Sturm, 1837). **Scolytidae.** *Ips typographus* (Linnaeus, 1758). **Diptera, Tephritidae.** *Chaetostomella cylindrica* Robineau-Desvoidy, 1830, *Noeeta pupillata* (Fallen, 1814). **Lepidoptera. Oecophoridae.** *Agonopterix subpropinquella* (Stainton, 1849). **Gelechiidae.** *Anarsia spartiella* (Schrank, 1802) [*Ulex minor*], *Caryocolum marmorea* Haworth, 1829, *Exoteleia dodecella* (Linnaeus, 1758), *Gelechia senticetella* (Staudinger, 1859), *Mirificarma mulinella* (Zeller, 1839). **Agonoxenidae.** *Scrobipalpa brahmiella* Heyden, 1862. **Coleophoridae.** *Cleophora larmersinla* (Huebner, 1817), *Euproctis chrysoorrhoea* (Linnaeus, 1758) [*Quercus pubescens*]. **Pyralidae.** *Ephestia terebellum* Zeller, ?, **Tortricidae.** *Archips rosana* (Linnaeus, 1758), *Avaria hyerana* Millière, 1857, *Choristoneura murinana* (Huebner, 1799), *Clepsis rogana* Guenée, 1845 [*Veratrum album*], *Cnephasia asseclana* ([Denis & Schiffermüller], 1775), *C. chrysantheana* (Duponchel, 1843), *C. longana* (Haworth, 1811), *Cydia strobilella* (Linnaeus, 1758) [*Abies excelsa*], *Epinotia nigricana*

(Herrich-Schaffer, 1851), *Rhyacionia buoliana* (Denis & Schiffermüller, 1775), *R. pinivorana* (Lienig & Zeller, 1846), *Tortrix viridana* Linnaeus, 1758, *Zeiraphera griseana* (Huebner, 1799), **Yponomeutidae.** *Yponomeuta malinella* Zeller, 1838.

***Bracon (Habrobracon) radialis* (Telenga, 1936)**

Habrobracon radialis Telenga, 1936. 1-402.

Bracon (Habrobracon) radialis. Shenefelt, 1978. 1425-1872.

Distribution in Türkiye. Sinop (Beyarslan et al., 2005). Ankara (Guler & Cagatay, 2007). Edirne, Eskişehir, Sinop, Tekirdağ (Beyarslan & Cetin Erdogan, 2010). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Hungary, Iran, Italy, Kazakhstan, Macedonia, Mongolia, Russia, Tunisia, Türkiye, Turkmenistan, Uzbekistan, Former Yugoslavia.

Hosts. Lepidoptera. Yponomeutidae. *Plutella xylostella* (Linnaeus, 1758).

***Bracon (Habrobracon) telengai* (Mulyarskaya, 1955)**

Habrobracon telengai Mulyarskaya, 1955. 34, 278-279.

Bracon (Habrobracon) telengai. Shenefelt, 1978. 15, 1425-1872.

Distribution in Türkiye. Imbros (Beyarslan et al., 2002b). Türkiye Beyarslan et al., 2010). Beyarslan et al., 2014). (Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Armenia, Azerbaijan, Cyprus, Georgia, Germany, Iran, Israel, Kazakhstan, Moldova, Russia, Tajikistan, Türkiye, Turkmenistan, Uzbekistan.

Hosts. Coleoptera. Curculionidae, *Chaetoptelius vestitus* Mulsant & Rey, 1860, *Sphenoptera (Tropeopeltis) kaznakovi* [Jakovlev, 1899. **Scolytidae.** *Scolytus* sp. **Buprestidae.** *Anthaxia plaviltschikovi* Obenb., *rugulosus* (Müller, 1818). **Lepidoptera. Gelechiidae.** *Pexicopia malvella* (Hübner, 1805). **Tortricidae.** *Gypsonoma minutana* Hübner 1797, *Spilota ocellana* (Denis & Schiffermüller, 1775).

***Bracon (Habrobracon) viktorovi* (Tobias, 1936)+**

Habrobracon viktorovi Tobias, 1961. 129-180.

Bracon (Habrobracon) viktorovi. Fischer, 1968. 97-140.

Distribution in Türkiye. Ordu (Beyarslan et al., 2008a). Turkey (Beyarslan et al., 2010). Malatya, Ordu (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Cyprus, Czechoslovakia, Greece, Hungary, Korea, Russia, Türkiye.

Subgenus. *Lucobracon* Fahringer, 1927

Lucobracon Fahringer, 1927. 221-432.

***Bracon (Lucobracon) achterbergi* Beyarslan, 2010**

Bracon (Lucobracon) achterbergi Beyarslan, 2010. 65 (1). 104-109.

Distribution in Türkiye. Giresun, Trabzon (Beyarslan et al., 2010). Artvin, Düzce, Giresun, Rize, Sivas, Trabzon (Beyarslan & Cetin Erdogan, 2010). Checklist (Beyarslan, 2014).

Zoogeographic region. Western Palaearctic (Türkiye).

Distribution. Türkiye.

***Bracon (Lucobracon) brachycerus* Thomson, 1892**

Bracon (Bracon) brachycerus Thomson, 1892. 1777-1861.

Bracon (Lucobracon) brachycerus. Papp, 1969. 317-335.

Synonym. *Bracon kudsiricus* Papp, 1965.

Distribution in Türkiye. Tunceli (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014). Ardahan, (Beyarslan, 2016).

Zoogeographic region Palaearctic.

Distribution. Austria, Czechoslovakia, Finland, Germany, Hungary, Norway, Romania, Russia, Sweden, Türkiye.

Hosts. Coleoptera. Curculionidae. *Hylobius abietis* (Linnaeus, 1758).

***Bracon (Lucobracon) brachypterus* Tobias, 1959**

Bracon (Lucobracon) brachypterus Tobias, 1959. 885-897.

Distribution in Türkiye. Ankara (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Azerbaijan, Kazakhstan, Mongolia, Türkiye.

***Bracon (Lucobracon) breviradius* Beyarslan, 2011**

Bracon (Lucobracon) breviradius Beyarslan, 2011. 35 (4). 503-508.

Distribution in Türkiye. Bartın (Beyarslan, 2011). Kayseri (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Western Palaearctic (Türkiye).

Distribution. Türkiye.

****Bracon (Lucobracon) brevitemporis* Tobias, 1959**

Bracon (Lucobracon) brevitemporis Tobias, 1959. 885-897.

Distribution in Türkiye. Karabük, Kastamonu (Beyarslan et al., 2005). Amasya, Tokat (Beyarslan et al., 2008a). Türkiye (Beyarslan et al., 2010). Artvin, Bayburt, Gümüşhane, Trabzon, Artvin, Bayburt, Eskişehir, Gümüşhane, Karabük, Karaman, Kastamonu, Sivas, Tokat, Trabzon (Beyarslan & Cetin Erdogan, 2010). (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014). Ardahan, Erzurum, Iğdır, (Beyarslan, 2016).

Zoogeographic region. Palaearctic.

Distribution. Iran, Kazakhstan, Türkiye.

****Bracon (Lucobracon) byurakanicus* Tobias, 1976**

Bracon (Lucobracon) byurakanicus Tobias, 1976. 1-286.

Distribution in Türkiye. Konya, Sivas (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region Western Palaearctic.

Distribution. Armenia, Türkiye.

Distribution in Türkiye. Konya, Sivas (Beyarslan & Cetin Erdogan, 2012).

Distribution. Western Palaearctic.

****Bracon (Lucobracon) concavus* Tobias, 1957**

Bracon (Lucobracon) concavus Tobias, 1957. 476-500.

Distribution in Türkiye. Trabzon (Beyarslan & Cetin Erdogan, 2010) Trabzon (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Türkiye, Turkmenistan.

***Bracon (Lucobracon) crassungula* Thomson, 1892**

Bracon (Bracon) crassungula Thomson, 1892. 1777-1861.

Bracon (Lucobracon) crassungula. Fahringer, 1927. 221-432.

Distribution in Türkiye. Tokat (Beyarslan et al., 2008a). Artvin, Edirne, Elazığ, Mersin, Sivas, Tokat (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014). Kars (Beyarslan, 2016).

Zoogeographic region. Western Palaearctic.

Distribution. Austria, Hungary, Italy (country), Sweden, Switzerland, Türkiye.

Bracon (Lucobracon) erraticus (Wesmael, 1838)

Braco erraticus Wesmael, 1838. 1-166.

Bracon (Lucobracon) erraticus. Tobias, 1958. 68-108.

Synonym. *Bracon aestivalis* Szépligeti, 1901; *Braco superciliosus* (Wesmael, 1838); *Bracon confinis* Szépligeti, 1901; *B. erythrostictus* Marshall, 1885; *B. exarator* Marshall, 1885; *B. foveola* Thomson, 1892; *B. hades* Papp, 1965; *B. lagodechianus* Telenga, 1936; *B. planiceps* Telenga, 1936; *Bracon praetermissus* Marshall, 1885; *B. talitzkii* Telenga, 1936; *B. transcaspicus* Telenga, 1936; *B. vectensis* Marshall, 1885.

Distribution in Türkiye. Adana, Antalya, Mersin, Kahramanmaraş, (Beyarslan, 1986b). Edirne, Kırklareli, Tekirdağ (Beyarslan, 1987a). Adana, Adıyaman, Antalya, Balıkesir, Bilecik, Bursa, Çanakkale, Edirne, Erzincan, Gaziantep, Mersin, Izmit, Kırklareli, Tekirdağ (Beyarslan, 1999). Aegean region (Beyarslan et al., 2002a). Imbros (Beyarslan et al., 2002b). Bartın, Bolu, Çankırı, Karabük, Kastamonu, Sinop, Zonguldak (Beyarslan et al., 2005). Tekirdağ (Beyarslan et al., 2006a). Amasya, Çorum, Ordu, Samsun, Tokat (Beyarslan et al., 2008a). Artvin, Bayburt, Gümüşhane, Trabzon (Beyarslan & Cetin Erdogan, 2010). Amasya, Ankara, Antalya, Artvin, Bartın, Bayburt, Bilecik, Çanakkale, Çankırı, Çorum, Denizli, Düzce, Edirne, Elazığ, Erzincan, Erzurum, Eskişehir, Gümüşhane, Karabük, Kastamonu, Kayseri, Kırklareli, Kırşehir, Konya, Malatya, Niğde, Ordu, Rize, Samsun, Siirt, Sinop, Sivas, Tokat, Trabzon, Tunceli, Yalova, Yozgat, Zonguldak (Beyarslan & Cetin Erdogan, 2012). Türkiye (Papp, 2012). Türkiye (Papp, 2012). Aydın, Mardin, Şanlıurfa (Beyarslan et al., 2014).

Ardahan, Checklist (Beyarslan, 2014). Erzurum, Kars (Beyarslan, 2016). Sivas (Beyarslan et al., 2018).

Zoogeographic region. Palaearctic, Ethiopian.

Distribution. Albania, Algeria, Armenia, Austria, Azerbaijan, Belgium, Bosnia Hercegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Czechoslovakia, Denmark, Finland, France, Georgia, Germany, Greece, Hungary, Iran, Ireland, Israel, Italy, Kazakhstan, Lithuania, Macedonia, Moldova, Mongolia, Netherlands, Norway, Poland, Portugal, Romania, RussiaSlovakia, Slovenia, Spain, Spain-main, Sweden, Switzerland, Syria, Tajikistan, Türkiye, Turkmenistan, Ukraine, United Arab Emirates, United Kingdom, Uzbekistan, Former Yugoslavia.

Hosts. Coleoptera. Chrysomelidae. *Gastrophysa viridula* (Degeer, 1775). **Curculionidae.** *Onthotomicus laricis* (Fabricius, 1792), *Onthotomicus proximus* (Eichhoff, 1868), *O. suturalis* (Gyllenhal 1827), *Pissodes (Pissodes) castaneus* (De Geer, 1775) [*Pinus sylvestris*]. **Diptera. Tephritidae.** *Chaetostomella cylindrica* Robineau-Desvoidy, 1830, *Noeeta pupillata* (Fallen, 1814), *Orellia ruficauda* (Fabricius, 1794), *Terellia serratulae* (Linnaeus, 1758), *Urophora stylata* (Fabricius, 1775). **Hymenoptera. Cephidae.** *Biorhiza pallida* (Olivier, 1791), *Cephus pygmaeus* (Linnaeus, 1766). **Tenthredinidae.** *Pontania arcticornis* Konow, 1904, *P. breviserratae* Kopelke, 1989, *P. crassipes* (Thomson, 1871), *P. foetidae* Kopelke, 1989, *P. glabrifrons* Benson, 1960, *P. hastatae* Vikberg, 1970, *P. lapponica* Malaise, 1920, *P. maculosa* Kopelke, 1989, *P. montivaga* Kopelke, 1991, *P. myrsiniticola* Kopelke, 1991, *P. nigricantis* Kopelke, 1986, *P. nivalis* Vikberg, 1970, *P. proxima* (Serville, 1823), *P. reticulatae* (Malaise, 1920), *P. retusae* Benson, 1960, *P. samolad* Malaise, 1920, *P. varia* Kopelke, 1991, *P. viminalis* Linnaeus, 1758. **Lepidoptera. Gelechiidae.** *Aristotelia brizella* (Treitschke, 1833). *Metzneria lappella* (Linnaeus, 1758). **Nepticulidae.** *Ectoedemia hannoverella* (Glitz, 1872). **Sesiidae.** *Pennisetia hylaeiformis* (Laspeyres, 1801). **Eurytomidae.** *Tetramesa* sp. [*Elytrigia repens*], *Tetramesa hordei* (Harris, 1830), *Tetramesa hyalipennis* (Walker, 1832) [*Agropyron*, *Ammophila arenaria*], *Tetramesa linearis* (Walker, 1832) [*Elytrigia repens*], *Urophora eriolepidis*

Walker, 1832. **Tortricidae**. *Acleris rhombana* ([Denis & Schiffermüller], 1775), *Cochylis posterana* Zeller, 1847, *Eupoecilia roseana* Stephens, 1829, *Eupoecilia ciliana* Huebner, 1799.

***Bracon (Lucobracon) femoralis* (Brullé, 1832)**

Vipio femoralis Brulle, 1832. 1-400.

Bracon (Lucobracon) femoralis. Papp, 1998. 241-251.

Synonym. *Bracon carinatus* Telenga, 1936; *B. hedwigae* Schmiedeknecht, 1897; *B. palaestinensis* Szépligeti, 1901; *B. xystus* Marshall, 1897.

Distribution in Türkiye. Türkiye (Beyarslan et al., 2010). Edirne, Kilis, Kırıkkale, Sivas (Beyarslan & Cetin Erdogan, 2012).

Zoogeographic region. Palaearctic.

Distribution. Algeria, Azerbaijan, Bulgaria, Cyprus, Georgia, Gibraltar, Greece, Hungary, Iran, Israel, Macedonia, Spain, Switzerland, Syria, Tunisia, Türkiye, Turkmenistan, Uzbekistan, Former Yugoslavia.

*****Bracon (Lucobracon) filizae* Beyarslan, 2002**

Bracon (Lucobracon) filizae Beyarslan, 2002. 139-146.

Distribution in Türkiye. Edirne (Beyarslan, 2002a). Türkiye (Beyarslan et al., 2010). Checklist (Beyarslan, 2014).

Zoogeographic region. Western Palaearctic (Türkiye).

Distribution. Türkiye.

****Bracon (Lucobracon) flagellaris* Thomson, 1892**

Bracon (Bracon) flagellaris Thomson, 1892. 1777-1861.

Bracon (Lucobracon) flagellaris. Papp, 2000. 125-128.

Synonym. *Bracon dallatorrei* Szépligeti, 1901; *B. facialis* Thomson, 1892; *B. gracilis* Szépligeti, 1901; *B. thomsonii* Dalla Torre, 1898; *B. ochraceus* Szépligeti, 1896).

Distribution in Türkiye. Northeastern of Türkiye (Gultekin, 2006). Amasya, Çorum, Tokat (Beyarslan et al., 2008a). Amasya, Gümüşhane, Malatya, Sivas, Tokat (Beyarslan & Cetin Erdogan, 2012). Diyarbakır (Beyarslan et al., 2014). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Germany, Hungary, Moldova, Poland, Romania, Russia, Slovenia, Sweden, Türkiye

Hosts. Coleoptera. Curculionidae. *Larinus onopordi* (Fabricius, 1787) [*Echinops sphaerocephalus*].

***Bracon (Lucobracon) fortipes* (Wesmael, 1838)**

Braco fortipes Wesmael, 1838. 1-166.

Bracon (Lucobracon) fortipes. Fahringer, 1927. 21-432.

Synonym. *Bracon crocatus* Schmiedeknecht, 1897; *B. curiosus* Szépligeti, 1901; *B. haliciensis* Strand, 1928; *B. rytrensis* Niezabitowski, 1910; *B. semirugosus* Szépligeti, 1901.

Distribution in Türkiye. Central Anatolia (Tamer, 1995). Kastamonu (Beyarslan et al., 2005). Türkiye (Beyarslan et al., 2010). Bayburt, Gümüşhane, Trabzon (Beyarslan & Cetin Erdogan, 2010). Aksaray, Ankara, Antalya, Balıkesir, Bayburt, Edirne, Elazığ, Erzincan, Eskişehir, Gümüşhane, Kahramanmaraş, Kayseri, Kırklareli, Konya, Sinop, Sivas, Tekirdağ, Yozgat, Zonguldak (Beyarslan & Cetin Erdogan, 2012). Malatya (Beyarslan et al., 2014). Checklist (Beyarslan, 2014). Erzurum, Iğdır, Kars (Beyarslan, 2016).

Zoogeographic region. Palaearctic.

Distribution. Algeria, Armenia, Austria, Azerbaijan, Belgium, Bulgaria, Croatia, Cyprus, France, Germany, Greece, Hungary, Iran, Israel, Italy, Kazakhstan, Korea, Mongolia, Poland, Portugal, Russia, Slovenia, Spain, Sweden, Switzerland, Tajikistan, Tunisia, Türkiye, Turkmenistan, Ukraine, Uzbekistan, Former Yugoslavia.

Hosts. Coleoptera. Curculionidae. *Lixus (Compsolixus) anguinus* (Linnaeus, 1767).

Cerambycidae. *Plagionotus floralis* (Pallas, 1776).

Lepidoptera. Sesiidae. *Bembecia scopigera* Scopoli, 1763, **Amphipyridae.** *Gortyna xanthenes* Germar, 1844 [*Cynara scolymus*].

***Bracon (Lucobracon) fumigidus* Szépligeti, 1838**

Bracon fumigidus Szépligeti, 1901. 261-288.

Bracon (Lucobracon) fumigidus. Papp, 1974. 415-435.

Distribution in Türkiye. Kırklareli, Tekirdağ (Beyarslan, 1987a). Türkiye (Beyarslan et al., 2010) Isparta (Beyarslan & Cetin Erdogan, 2012). Türkiye (Papp, 2005). Checklist (Beyarslan, 2014). Erzurum, (Beyarslan, 2016).

Zoogeographic region. Palaearctic.

Distribution. Armenia, Austria, Bulgaria, Germany, Greece, Hungary, Italy, Mongolia, Romania, Russia, Serbia and Montenegro, Türkiye.

***Bracon (Lucobracon) grandiceps* Thomson, 1892**

Bracon (Bracon) grandiceps Thomson, 1892. 1777-1861.

Bracon (Lucobracon) grandiceps. Papp, 1969. 317-335.

Synonym. *Bracon crassiusculus* Szépligeti, 1901; *Bracon gallicus* Thomson, 1892.

Distribution in Türkiye. Erzurum (Gultekin, 1997). Balıkesir, Edirne, Tekirdağ (Beyarslan, 1999). Kastamonu (Beyarslan et al., 2005). Tekirdağ (Beyarslan et al., 2006a). Amasya, Çorum, Ordu, Samsun, Tokat (Beyarslan et al., 2008a). Türkiye (Beyarslan et al., 2010). Artvin, Giresun, Gümüşhane, Rize, Trabzon (Beyarslan & Cetin Erdogan, 2010). Ankara, Artvin, Çorum, Edirne, Giresun, Gümüşhane, Kastamonu, Ordu, Rize, Samsun, Sinop, Sivas, Tekirdağ, Tokat, Trabzon (Beyarslan & Cetin Erdogan, 2012). Bilecik, Erzincan, Kayseri, Mardin (Beyarslan et al., 2014). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Austria, Croatia, Finland, France, France-main, Germany, Greece, Hungary, Iran, Italy, Macedonia, Mongolia, Norway, Poland, Russia, Slovenia, Sweden, Türkiye, Former Yugoslavia.

Hosts. **Lepidoptera. Sesiidae.** *Bembecia scopigera* Scopoli, 1763 [*Onobrychis viciifolia*].

****Bracon (Lucobracon) guttiger* (Wesmael, 1838)**

Braco guttiger Wesmael, 1838. 1-166.

Bracon (Lucobracon) guttiger. Fahringer, 1927. 221-432.

Distribution in Türkiye. Ağrı (Beyarslan & Cetin Erdogan, 2012). Türkiye (Papp, 2012). Yozgat (Beyarslan et al., 2014). Checklist (Beyarslan, 2014). Erzurum, Iğdır, (Beyarslan, 2016).

Zoogeographic region Palaearctic.

Distribution. Armenia, Austria, Belgium, Czechoslovakia, Denmark, Finland, France, Germany, Iran, Italy, Latvia, Lithuania, Moldova, Mongolia, Netherlands, Poland, Russia, Slovenia, Sweden, Switzerland, Türkiye, United Kingdom.

Hosts. **Coleoptera. Chrysomelidae.** *Gastrophysa viridula* (Degeer, 1775). **Chrysomelidae.** *Hydrothassa*

marginella (Linnaeus, 1758), *Phaedon cochleariae* (Fabricius, 1792), *Phyllotreta nemorum* (Linnaeus, 1758). **Lepidoptera. Coleophoridae.** *Coleophora larmersinla* (Huebner, 1817), *C. lutipennella* (Zeller, 1838) [*Quercus robur*].

****Bracon (Lucobracon) humidus* Tobias, 1976**

Bracon (Lucobracon) humidus Tobias, 1976. 1-286.

Distribution in Türkiye. Kastamonu (Beyarslan et al., 2005). Tokat (Beyarslan et al., 2008a). Türkiye (Beyarslan et al., 2010). Bolu, Kastamonu, Kayseri, Muğla, Sivas (Beyarslan & Cetin Erdogan, 2012). Edirne (Beyarslan et al., 2014). Adıyaman, Diyarbakır, Mardin, Şanlıurfa (Beyarslan et al., 2014). Checklist (Beyarslan, 2014). Erzurum (Beyarslan, 2016).

Zoogeographic region. Palaearctic.

Distribution. Georgia, Iran, Russia, Türkiye.

***Bracon (Lucobracon) hungaricus* (Szépligeti, 1896)**

Pseudovipio hungaricus Szépligeti, 1896. 359-386.

Bracon (Lucobracon) hungaricus. Tobias, 1961. 129-180.

Synonym. *Bracon longiventris* Szépligeti, 1901; *Vipio xanthostigma* (Kokujev, 1904).

Distribution in Türkiye. Gaziantep, Adana (Beyarslan, 1986b). Tekirdağ, Kırklareli (Beyarslan, 1987a). Adana, Gaziantep, Kırklareli, Osmaniye (Beyarslan, 1999). Aegean region (Beyarslan et al., 2002a). Sinop (Beyarslan et al., 2005). Tekirdağ (Beyarslan et al., 2006a). Amasya, Çorum, Ordu, Tokat (Beyarslan et al., 2008a). Türkiye (Beyarslan et al., 2010). Gümüşhane, Trabzon (Beyarslan & Cetin Erdogan, 2010). Amasya, Ankara, Bilecik, Çanakkale, Elazığ, Eskişehir, Gümüşhane, İstanbul, Kayseri, Kırıkkale, Kırşehir, Malatya, Samsun, Sinop, Sivas, Tekirdağ, Yozgat (Beyarslan & Cetin Erdogan, 2012). Türkiye (Papp, 2005). Adıyaman, Diyarbakır, Mardin, Şanlıurfa (Beyarslan et al., 2014). Checklist (Beyarslan, 2014). Ardahan, Erzurum (Beyarslan, 2016).

Zoogeographic region. Palaearctic.

Distribution. Azerbaijan, Bulgaria, Croatia, Czech Republic, Czechoslovakia, France, Georgia, Hungary, Kazakhstan, Moldova, Mongolia,

Romania, Russia, Serbia and Montenegro, Slovakia, Türkiye, Ukraine, Former Yugoslavia.

Hosts. **Coleoptera.** **Cerambycidae.** *Clytus arietis* (Linnaeus, 1758).

***Bracon (Lucobracon) hylobii* Ratzeburg, 1848**

Bracon hylobii Ratzeburg, 1848. 1-238.

Bracon (Lucobracon) hylobii. Jakimavicius, 1974. 93-102.

Synonym. *Bracon nigriventris* (Wesmael, 1838).

Distribution in Türkiye. Bartın, Kastamonu (Beyarslan et al., 2005). Edirne, Giresun, Trabzon, Zonguldak (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014). Ardahan (Beyarslan, 2016).

Zoogeographic region. Palaearctic.

Distribution. Austria, Czech Republic, Czechoslovakia, Denmark, Germany, Hungary, Ireland, Italy, Latvia, Lithuania, Norway, Poland, Russia, Slovenia, Sweden, Switzerland, Türkiye, United Kingdom, Former Yugoslavia.

Hosts. **Coleoptera, Curculionidae.** *Hylobius abietis* (Linnaeus, 1758) [*Picea sitchensis*], *H. piceus* (De Geer, 1775). *Pissodes harcyniae* Schoenherr, 1835, *P. notatus* Germar, 1817, *P. piceae* (Illiger, 1807). *Polygraphus poligraphus* (Linnaeus, 1758).

Biology. Gregarious, oviposit on larva. Host location foraging strategy, kairomones, Host Selection foraging strategy, host size.

****Bracon (Lucobracon) infernalis* Telenga, 1936**

Bracon (Bracon) infernalis Telenga, 1936. 1-402

Bracon (Lucobracon) infernalis. Tobias, 1958. 68-108.

Distribution in Türkiye. Türkiye (Beyarslan et al., 2010). Aksaray, Niğde, Sivas (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014). Erzurum, (Beyarslan, 2016).

Zoogeographic region. Palaearctic.

Distribution. Armenia, China, Cyprus, Greece, Kazakhstan, Russia, Türkiye.

***Bracon (Lucobracon) irkutensis* Telenga, 1936**

Distribution in Türkiye. Erzurum (Beyarslan, 2016).

Zoogeographic region. Palaearctic.

Distribution. Korea, Russia, Türkiye.

*****Bracon (Lucobracon) isiklericus* Beyarslan, 2002**
Bracon (Lucobracon) isiklericus Beyarslan, 2002. 16, 189-2002.

Distribution in Türkiye. Tekirdağ (Beyarslan, 2002). Checklist (Beyarslan, 2014).

Zoogeographic region. Western Palaearctic (Türkiye).

Distribution. Türkiye.

****Bracon (Lucobracon) iskilipus* (Beyarslan & Tobias, 2008**

Bracon (Lucobracon) iskilipus Beyarslan, 2008. 63(4). 550-552.

Distribution in Türkiye. Çorum (Beyarslan & Tobias, 2008). Türkiye (Beyarslan et al., 2010). Checklist (Beyarslan, 2014).

Zoogeographic region. Western Palaearctic (Türkiye).

Distribution. Western Palaearctic (Türkiye).

Distribution. Türkiye.

****Bracon (Lucobracon) jakuticus* Tobias, 1961**

Bracon (Lucobracon) jakuticus Tobias, 1961. 659-668.

Distribution in Türkiye. Ordu, Tokat (Beyarslan et al., 2008a). Türkiye (Beyarslan et al., 2010). Bilecik (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Russia, Türkiye.

*****Bracon (Lucobracon) kaszabi* Papp, 1967**

Bracon (Lucobracon) kaszabi Papp, 1967. 191-226.

Distribution in Türkiye. Kırklareli (Beyarslan & Cetin Erdogan, 2012). Türkiye (Beyarslan et al., 2010). Adıyaman, Şanlıurfa (Beyarslan et al., 2014). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Hungary, Mongolia, Russia, Russia-Chita Oblast, Türkiye.

****Bracon (Lucobracon) kuzguni* Beyarslan, 2011**

Bracon (Lucobracon) kuzguni Beyarslan, 2011. 35 (4). 503-508.

Distribution in Türkiye. Kastamonu (Beyarslan, 2011). Sivas (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Western Palaearctic (Türkiye).

Distribution. Türkiye.

Bracon (Lucobracon) larvicida (Wesmael, 1838)

Bracon larvicida Wesmael, 1838. 1-166.

Bracon (Lucobracon) larvicida. Papp 1969. 317-335.

Synonym. *Bracon crassiusculus* Szépligeti, 1901.

Distribution in Türkiye. Antalya, Burdur, Isparta (Beyarslan, 1986a). Edirne, Kırklareli, Tekirdağ (Beyarslan, 1987a). Antalya, Bilecik, Burdur, Isparta (Beyarslan, 1999). Bartın, Çankırı, Kastamonu, Sinop (Beyarslan et al., 2005). Tekirdağ (Beyarslan et al., 2006a). Amasya, Çorum, Ordu, Samsun, Tokat (Beyarslan et al., 2008a). Türkiye Beyarslan et al., 2010). Artvin, Gümüşhane, Rize, Trabzon (Beyarslan & Cetin Erdogan, 2010). (Artvin, Bilecik, Çorum, Eskişehir, Giresun, Karabük, Kastamonu, Kayseri, Ordu, Rize, Sivas, Tokat, Trabzon (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014). Kars (Beyarslan, 2016).

Zoogeographic region. Palaearctic.

Distribution. Armenia, Austria, Azerbaijan, Belgium, Bulgaria, Croatia, Czech Republic, Czechoslovakia, France, Germany, Greece, Hungary, Iran, Italy, Kazakhstan, Moldova, Mongolia, Poland, Romania, Russia, Slovenia, Sweden, Türkiye, Ukraine, United Kingdom, Former Yugoslavia.

****Bracon (Lucobracon) meyeri* Telenga, 1936**

Bracon meyeri Telenga, 1936. 1-402.

Bracon (Lucobracon) meyeri. Tobias, 1958. 68-108.

Synonym. *Bracon consternatus* Papp, 1971.

Distribution in Türkiye. Çankırı (Beyarslan et al., 2005). Gümüşhane, Trabzon (Beyarslan & Cetin Erdogan, 2010). Türkiye (Beyarslan et al., 2010). Çankırı, Gümüşhane (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Iran, Kazakhstan, Moldova, Mongolia, Russia, Russia-Yakutskaya Respublika, Türkiye, Uzbekistan.

****Bracon (Lucobracon) mirus* Szépligeti, 1901**

Bracon mirus Szépligeti, 1901. 261-288.

Bracon (Lucobracon) mirus. Fahringer, 1927. 221-432.

Synonym. *Bracon miroides* Tobias, 1957; *Bracon xyletini* Hedqvist, 1973.

Distribution in Türkiye. Gümüşhane (Beyarslan & Cetin Erdogan, 2010). Bursa, Gümüşhane (Beyarslan & Cetin Erdogan, 2012). Ankara (Beyarslan et al., 2014). Checklist (Beyarslan, 2014).

Zoogeographic region. Oriental, Palaearctic.

Distribution. China, Czech Republic, Georgia, Hungary, Kazakhstan, Mongolia, Netherlands, Sweden, Türkiye.

Hosts. Coleoptera. Anobiidae. *Xyletinus hanseni* Jansson, 1947 [dung].

***Bracon (Lucobracon) moczari* Papp, 1969**

Bracon (Lucobracon) moczari Papp, 1969. 61, 317-335.

Distribution in Türkiye. Kırklareli, Tekirdağ (Beyarslan, 1987a). Edirne, Konya (Beyarslan & Cetin Erdogan, 2012). Tukey (Beyarslan et al., 2010). Checklist (Beyarslan, 2014).

Zoogeographic region. Western Palaearctic.

Distribution. Greece, Hungary, Russia, Türkiye.

***Bracon (Lucobracon) pliginskii* Telenga, 1936**

Bracon pliginskii Telenga, 1936. 1-402

Bracon (Lucobracon) pliginskii. Tobias, 1958. 68-108.

Distribution in Türkiye. Edirne (Beyarslan & Cetin Erdogan, 2012). Ankara (Beyarslan et al., 2014). Checklist (Beyarslan, 2014).

Zoogeographic region. Western Palaearctic.

Distribution. Armenia, Austria, Croatia, Georgia, Germany, Hungary, Israel, Macedonia, Moldova, Türkiye, Ukraine, Former Yugoslavia.

Hosts. Coleoptera. Curculionidae. *Baris morio* (Boheman, 1844).

***Bracon (Lucobracon) punctifer* Thomson, 1892**

Bracon (Bracon) punctife Thomson, 1892. 1777-1861.

Bracon (Lucobracon) punctifer. Papp, 1969. 177-205.

Synonym. *Bracon kaszabi* Papp, 1967.

Distribution in Türkiye. Türkiye (Beyarslan et al., 2010). (Malatya (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Finland, Germany, Hungary, Mongolia, Norway, Russia, Sweden, Türkiye.

***Bracon (Lucobracon) punctithorax* Tobias, 1959**

Bracon (Lucobracon) punctithorax Tobias, 1959. 38 (4). 885-897.

Distribution in Türkiye. Karabük, Kastamonu, Kocaeli (Beyarslan et al., 2005). Türkiye (Beyarslan et al., 2010). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Iran, Kazakhsta, Türkiye.

***Bracon (Lucobracon) radiatus* Tobias, 1957**

Bracon (Lucobracon) radiatus Tobias, 1957. 476-500.

Distribution in Türkiye. Eskişehir (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Russia, Tajikistan, Türkiye.

***Bracon (Lucobracon) roberti* (Wesmael, 1838)**

Bracon (Orthobracon) roberti (Wesmael, 1838)

Braco roberti Wesmael, 1838. 1-166.

Bracon (Lucobracon) roberti. Papp, 2012.

Distribution in Türkiye. Kırklareli (Beyarslan, 1987a). Türkiye (Beyarslan et al., 2010). Checklist (Beyarslan, 2014).

Zoogeographic region. Western Palaearctic.

Distribution. Austria, Belgium, Bulgaria, France, France-main, Germany, Hungary, Ireland, Italy, Romania, Türkiye, Ukraine, United Kingdom,

Hosts. **Lepidoptera. Sesiidae.** *Cydia strobilella* (Linnaeus, 1758). **Tortricidae.** *Synanthedon andrenaeformis* Laspeyres, 1801.

***Bracon (Lucobracon) semifusus* Papp, 1965**

Bracon (Lucobracon) semifusus Papp, 1965. 403-416.

Distribution in Türkiye. Edirne (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Western Palaearctic.

Distribution. Hungary, Türkiye.

***Bracon (Lucobracon) shestakoviellus* Tobias, 1957**

Bracon (Orthobracon) shestakoviellus Tobias, 1957

Bracon (Lucobracon) shestakoviellus. Tobias, 1976

Distribution in Türkiye. Ordu (Beyarslan et al., 2008a). Türkiye (Beyarslan et al., 2010). Türkiye

(Beyarslan et al., 2010). Erzurum (Beyarslan, 2016). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Kazakhstan, Türkiye.

***Bracon (Lucobracon) sphaerocephalus* Szépligeti, 1901**

Bracon sphaerocephalus Szépligeti, 1901. 261-288.

Bracon (Lucobracon) sphaerocephalus. Papp, 1974. 415-435.

Synonym. *Bracon globiceps* Szepligeti, 1901.

Distribution in Türkiye. Kırklareli (Beyarslan, 1987a). Türkiye (Papp, 2005). Türkiye (Beyarslan et al., 2010). Bolu, Erzincan, İzmit, Kastamonu, Samsun (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Austria, Bosnia Hercegovina, Bulgaria, Czechoslovakia, France, Germany, Greece, Hungary, Iran, Italy, Macedonia, Mongolia, Russia, Serbia and Montenegro, Slovenia, Switzerland, Türkiye, United Kingdom, Former Yugoslavia.

Hosts. Coleoptera. Curculionidae. *Cleonis piger* (Scopoli, 1763) [*Cirsium arvense*, *Pachycerus varius*].

Lepidoptera. Cosmopterigidae. *Phalaena gronoviella* Scopoli, 1772 [*Linaria vulgaris*]. *Stagmatophora sareptensis* Walsingham, 1907.

***Bracon (Lucobracon) subhylobii* Tobias, 1986**

Bracon (Lucobracon) subhylobii Tobias, 1986. 85-149.

Distribution in Türkiye. Sivas (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Western Palaearctic.

Distribution. Moldova, Türkiye.

***Bracon (Lucobracon) suchorukovi* Telenga, 1986**

Bracon suchorukovi Telenga, 1936. 1-402

Bracon (Lucobracon) suchorukovi. Tobias, 1959. 885-897.

Synonym. *Bracon dobrovolskii* Telenga, 1936,

Distribution in Türkiye. Edirne, Kırklareli, Tekirdağ (Beyarslan, 1987a). Karabük (Beyarslan et al., 2005). Tekirdağ (Beyarslan et al., 2006a). Amasya (Beyarslan et al., 2008a). Tutkey (Beyarslan et al., 2010). Amasya, Ankara, Balıkesir, Çanakkale, Edirne, Eskişehir, Gümüşhane, Istanbul, Karabük,

Kastamonu, Kırıkkale, Malatya, Sivas, Tekirdağ, Tokat, Tunceli (Beyarslan & Cetin Erdogan, 2012). Kayseri (Beyarslan et al., 2014). Checklist (Beyarslan, 2014).

Zoogeographic region Palaearctic.

Distribution. Armenia, Austria, Azerbaijan, Iran, Kazakhstan, Lithuania, Moldova, Mongolia, Russia, Türkiye, Ukraine.

***Bracon (Lucobracon) surucicus* Beyarslan, 2002**

Bracon (Lucobracon) surucicus Beyarslan, 2002. 189-200.

Distribution in Türkiye. Urfa (Beyarslan, 2002b). Tutkey (Beyarslan et al., 2010). Checklist (Beyarslan, 2014).

Zoogeographic region. Western Palaearctic (Türkiye).

Distribution. Türkiye.

***Bracon (Lucobracon) talyshicus* Tobias, 1976**

Bracon (Lucobracon) talyshicus. Tobias, 1976. 1-286.

Distribution in Türkiye. Edirne, Tunceli (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Western Palaearctic.

Distribution. Azerbaijan, Türkiye.

***Bracon (Lucobracon) thuringiacus* Schmiedeknecht, 1897**

Bracon thuringiacus Schmiedeknecht, 1897. 589-592.

Bracon (Lucobracon) thuringiacus. Papp, 1971. 275-292.

Distribution in Türkiye. Kastamonu (Beyarslan et al., 2005). Kastamonu, Yozgat (Beyarslan & Cetin Erdogan, 2010). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Germany, Iran, Italy, Türkiye, Former Yugoslavia.

***Bracon (Lucobracon) triangularis* Nees, 1834**

Bracon triangularis Nees, 1834. 1-320.

Bracon (Lucobracon) triangularis. Fahringer, 1927. 221-432.

Distribution in Türkiye. Istanbul (Beyarslan et al., 2005). Çorum (Beyarslan et al., 2008a). Tutkey (Beyarslan et al., 2010). Adapazarı, Bolu, Çorum, Istanbul, Konya, Sivas (Beyarslan & Cetin Erdogan,

2012). Diyarbakır (Beyarslan et al., 2014). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Austria, Bulgaria, Czech Republic, Czechoslovakia, Finland, Germany, Hungary, Iran, Ireland, Italy, Norway, Poland, Slovenia, Switzerland, Türkiye, United Kingdom, Former Yugoslavia.

Hosts. **Lepidoptera.** **Sesiidae.** *Paranthrene tabaniformis* (Rottemburg, 1775), *Pennisetia hylaeiformis* (Laspeyres, 1801) [*Rubus idaeus*], *Synanthedon tipuliformis* (Clerck, 1759) [*Ribes rubrum*], *S. typhiaeformis* Borkhausen, 1789.

Subgenus *Osculobracon* Papp, 2008

***Bracon (Osculobracon) bilgini* Beyarslan, 2002**

Bracon (Glabrobracon) bilgini Beyarslan, 2002a. 57 (2). 139-146.

Bracon (Osculobracon) bilgini. Beyarslan & Cetin Erdogan, 2011.

Distribution in Türkiye. Denizli, Erzurum, Izmit, Kutahya, Muğla (Beyarslan, 2002a). Kastamonu (Beyarslan et al., 2005). Amasya, Çorum, Ordu, Tokat (Beyarslan et al., 2008a). Tutkey (Beyarslan et al., 2010). Türkiye (Beyarslan & Cetin Erdogan, 2010). Ankara, Çorum, Eskişehir, Kırşehir, Nevşehir, Sivas, Elazığ, Malatya, Tunceli (Beyarslan & Cetin Erdogan, 2010). Ankara, Artvin, Çorum, Denizli, Elazığ, Erzincan, Eskişehir, Giresun, Gümüşhane, Kastamonu, Kırşehir, Konya, Malatya, Nevşehir, Ordu, Rize, Sivas, Tokat, Trabzon, Tunceli (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014). Ardahan, Erzurum, Iğdır, Kars (Beyarslan, 2016).

Zoogeographic region. Western Palaearctic (Türkiye).

Distribution. Türkiye.

***Bracon (Osculobracon) cingulator* Szépligeti, 1901**

Bracon (Glabrobracon) cingulator Szépligeti, 1901

Bracon cingulator Szépligeti, 1901, 261-288.

Bracon (Osculobracon) cingulator. Beyarslan & Cetin Erdogan, 2011.

Distribution in Türkiye. Samsun, Tokat (Beyarslan et al., 2008a). Türkiye (Beyarslan et al., 2010). Ankara,

Kayseri, Sivas, Elazığ, Malatya, Sivas, Tunceli (Beyarslan & Cetin Erdogan, 2011). Adapazarı, Artvin, Elazığ, Kayseri, Malatya, Rize, Samsun, Sivas, Tokat, Tunceli (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014). Sivas (Beyarslan et al., 2018).

Zoogeographic region. Palaearctic.

Distribution. Austria, Bulgaria, Croatia, Czech Republic, Germany, Greece, Hungary, Italy, Korea, Moldova, Netherlands, Norway, Poland, Romania, Russia, Slovakia, Tunisia, Türkiye, Turkmenistan.

***Bracon (Osculobracon) ciscaucasicus* Telenga, 1936**

Bracon (Glabrobracon) ciscaucasicus Telenga, 1936

Bracon ciscaucasicus Telenga, 1936. 5 (2). 402.

Bracon (Osculobracon) ciscaucasicus. Beyarslan & Cetin Erdogan, 2011.

Distribution in Türkiye. Zonguldak (Beyarslan et al., 2005). Amasya (Beyarslan et al., 2008a). Türkiye (Beyarslan et al., 2010). Eskişehir (Beyarslan & Cetin Erdogan, 2011). Adıyaman, Amasya, Elazığ, Zonguldak (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Azerbaijan, Hungary, Iran, Kazakhstan, Kyrgyzstan, Mongolia, Russia, Türkiye, Ukraine.

***Bracon (Osculobracon) erzurumiensis* Beyarslan, 2002**

Bracon (Glabrobracon) erzurumiensis Beyarslan, 2002

Bracon (Osculobracon) erzurumiensis. Beyarslan & Cetin Erdogan, 2011.

Distribution in Türkiye. Erzurum (Beyarslan, 2002a). Kırklareli (Beyarslan & Cetin Erdogan, 2010). Denizli, Elazığ, Tunceli (Beyarslan et al., 2014). Checklist (Beyarslan, 2014). Erzurum (Beyarslan, 2016). **Zoogeographic region.** Western Palaearctic (Türkiye). **Distribution.** Türkiye.

***Bracon (Osculobracon) osculator* Nees, 1811**

Bracon osculator Nees, 1811. 1-37.

Bracon (Osculobracon) osculator. Papp, 2008.

Synonym. *Braco bisignatus* Wesmael, 1838; *Bracon cingulator* Szépligeti, 1901; *B. degenerator* Marshall,

1885; *B. minutus* Szépligeti, 1901; *B. temporalis* Telenga, 1936; *B. venustus* Telenga, 1936.

Distribution in Türkiye. Antalya, Hatay, Mersin, Isparta (Beyarslan, 1986a). Edirne, Kırklareli, Tekirdağ (Beyarslan, 1987a). Balıkesir, Isparta (Beyarslan & Inanc, 1994). Ankara (Güler & Çağatay, 2001). Aksaray, Ankara, Bartın, Çankırı, Edirne, Elazığ, Erzincan, Eskişehir, Kayseri, Kırşehir, Konya, Malatya, Nevşehir, Niğde, Trabzon, Tunceli, Yozgat, Zonguldak (Beyarslan & Cetin Erdogan, 2011). Imbros (Beyarslan et al., 2002b). Tekirdağ (Beyarslan et al., 2006a). Amasya, Çorum, Ordu, Samsun, Tokat (Beyarslan et al., 2008a). Antalya, Bursa, Hatay, Mersin, Isparta, Izmit (Beyarslan, 1999). Bolu, Çankırı, Kastamonu, Sinop, Zonguldak (Beyarslan et al., 2005). Türkiye (Beyarslan et al., 2010). Artvin, Bayburt, Gümüşhane, Trabzon (Beyarslan & Cetin Erdogan, 2010). Türkiye (Papp, 2012). Aksaray, Amasya, Ankara, Artvin, Bartın, Bayburt, Çanakkale, Çankırı, Edirne, Elazığ, Erzincan, Eskişehir, Gümüşhane, Kayseri, Kırklareli, Kırşehir, Konya, Malatya, Nevşehir, Niğde, Ordu, Samsun, Sinop, Sivas, Tokat, Trabzon, Tunceli, Yozgat, Zonguldak (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014). Ardahan, Erzurum, Iğdır, Kars (Beyarslan, 2016).

Zoogeographic region. Oriental, Palaearctic.

Distribution. Afghanistan, Armenia, Austria, Azerbaijan, Belgium, Bosnia Hercegovina, Bulgaria, China, Croatia, Cyprus, Czech Republic, Czechoslovakia, Denmark, Finland, France, Georgia, Germany, Greece, Hungary, Iran, Iraq, Ireland, Israel, Italy, Kazakhstan, Korea, Latvia, Liechtenstein, Lithuania, Macedonia, Moldova, Mongolia, Netherlands, Norway, Poland, Portugal, Romania, Russia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye, Turkmenistan, Ukraine, United Kingdom, Uzbekistan, Former Yugoslavia. Introduced into New Zealand.

Hosts. **Lepidoptera.** **Coleophoridae.** *Coleophora alticolella* Zeller, 1849, *C. caespitiella* Zeller, 1839, *C. colutella* (Fabricius, 1794) [*Lotus corniculatus*], *C. discordella* Zeller, 1849, *C. flaviella* Mann, 1857, *C. frischella* Linnaeus, 1758, *C. gallipennella* Huebner, 1796, *C. lutipennella* (Zeller, 1838), *C. milvipennis* Zeller, 1839, *C. obscenella* (Herrich-Schäffer, 1855)

[*Solidago virgaurea*], *C. ochrea* (Haworth, 1828). *C. saponariella* Heeger, 1888, *C. serenella* Zeller, 1849, *C. serratella* (Linnaeus, 1761), *C. solitariella* Zeller, 1849, *C. spinella* (Schrank, 1802) [*Crataegus monogyna*], *C. spiraella* Rebel, 1916, *C. therinella* Tengström, 1848, *C. trifariella* Zeller, 1849, *C. vibmersinla* (Huebner, 1813). *C. vicinella* Zeller, 1849, *C. vulpecula* Zeller, 1849.

Cosmopterigidae. *Cosmopterix eximia* Haworth, 1828

[*Humulus lupulus*], **Elachistidae.** *Elachista contaminatella* Zeller, 1847 [*Carex distans*], *Gravitarinata margarotana* Zeller, 1847, *Millieria dolosalis* Zeller, 1847 [*Aristolochia clematitis*].

Momphidae. *Mompha conturbatella* (Huebner, 1819).

Tortricidae. *Cydia strobilella* (Linnaeus, 1758),

Rhyacionia perangustana Snellen, 1883. **Nepticulidae.**

Ectoedemia agrimoniae (Frey, 1858) [*Agrimonia eupatoria*].

Biology. Biocontrol of *Coleophora mayrella* (Huebner, 1813) (Lep.: Cosmopterigidae).

Subgenus *Pigeria* van Achterberg, 1985

Pigeria vanAchterberg, 1985. 168-174.

***Bracon (Pigeria) piger* (Wesmael, 1838)**

Bracon piger Wesmael, 1838. 1-166.

Bracon (Pigeria) piger. Papp, 1998. 241-251.

Synonym. *Bracon rotundulus* Szépligeti, 1904; *B. semiluteus* Walker, 1874.

Distribution in Türkiye. Adana, Burdur, Mersin, Isparta, Kahramanmaraş (Beyarslan, 1986a). Edirne, Kırklareli, Tekirdağ (Beyarslan, 1987a). Adana, Burdur, Bursa, Edirne, Mersin, Isparta, Kahramanmaraş, Tekirdağ, Sanliurfa (Beyarslan, 1999). Ankara (Güler & Çağatay, 2001). Afyon, Aydın, Denizli, Izmir, Kutahya (Beyarslan et al., 2002a). Tenedos (Beyarslan et al., 2002b). Bartın, Karabük, Kastamonu, Sinop, Zonguldak (Beyarslan et al., 2005). Tekirdağ (Beyarslan et al., 2006a). Amasya, Çorum, Ordu, Samsun, Tokat (Beyarslan et al., 2008a). Türkiye (Beyarslan et al., 2010). Artvin, Bayburt, Giresun, Gümüşhane, Rize, Trabzon (Beyarslan & Cetin Erdogan, 2010). Aksaray, Amasya, Ankara, Antalya, Artvin, Bayburt, Çankırı, Çorum, Edirne, Elazığ, Erzincan, Erzurum, Eskişehir, Giresun, Gümüşhane, Imbros, Iğdır, Isparta, Karabük, Kayseri, Kırıkkale, Kırşehir,

Konya, Malatya, Nevşehir, Niğde, Ordu, Rize, Samsun, Sivas, Tekirdağ, Tokat, Trabzon, Tunceli, Yozgat (Beyarslan & Cetin Erdogan, 2012). Türkiye (Papp, 2012). Checklist (Beyarslan, 2014). Ardahan, Erzurum, Iğdır, Kars (Beyarslan, 2016). Bitlis (Beyarslan & Şahin, 2018).

Zoogeographic region. Palaearctic, Nearctic.

Distribution. Armenia, Austria, Azerbaijan, Belgium, Bulgaria, Canary Islands, Croatia, Cyprus, Czechoslovakia, France, Georgia, Germany, Greece, Hungary, Iran, Israel, Italy, Kazakhstan, Lebanon, Macedonia, Malta, Mongolia, Netherlands, Poland, Romania, Russia, Spain, Switzerland, Tunisia, Türkiye, Turkmenistan, U.S.A., Ukraine. Introduced into Puerto Rico, U.S.A.-California, U.S.A.-Oregon.

Hosts. **Coleoptera.** **Curculionidae.** *Pissodes validirostris* (Sahlberg, 1834). **Lepidoptera.**

Tortricidae. *Cnephasia longana* (Haworth, 1811).

Cydia nigricana (Fabricius, 1794). **Pyralidae.** *Etiella zinckenella* (Treitschke, 1832). **Noctuidae.** *Heliothis peltigera* ([Denis & Schiffermüller], 1775).

Biology. Biocontrol of *Etiella zinckenella*, emerge from larva/nymph, gregarious, idiobiont, oviposit on larva, oviposition behaviour, longevity, overwinter as larva.

Genus *Ceratobracon* Telenga, 1936

Bracon (Ceratobracon) Telenga, 1936. 1-402.

***Ceratobracon stschegolevi* (Telenga, 1933)**

Bracon (Glabrobracon) stschegolevi Telenga, 1933. 12 (3-4). 242--244.

Ceratobracon stschegolevi. Tobias, 1976

Distribution in Türkiye. Adana, Mersin (Beyarslan, 1987b). Balıkesir, Bursa, Çanakkale, Edirne (Beyarslan, 1999). Kastamonu, Sinop, Zonguldak (Beyarslan et al., 2005). Amasya, Çorum, Tokat (Beyarslan et al., 2008ab). Artvin, Bayburt, Gümüşhane (Beyarslan & Cetin Erdogan, 2010). Aksaray, Amasya, Ankara, Artvin, Bayburt, Bolu, Çankırı, Çorum, Diyarbakır, Edirne, Elazığ, Eskişehir, Gümüşhane, Karaman, Kayseri, Kırıkkale, Kırklareli, Kırşehir, Konya, Malatya, Nevşehir, Niğde, Sivas, Tokat, Yozgat (Beyarslan & Cetin Erdogan, 2012). Adıyaman, Diyarbakır, Mardin, Şanlıurfa (Beyarslan et al., 2014). Checklist

(Beyarslan, 2014). Ardahan, Erzurum, Iğdır, Kars (Beyarslan, 2016).

Zoogeographic region. Palaearctic.

Distribution. Austria, Azerbaijan, Georgia, Germany, Hungary, Macedonia, Moldova, Mongolia, Poland, Russia, Türkiye, Uzbekistan, Former Yugoslavia.

Hosts. Hymenoptera. Cephidae. *Cephus pygmaeus* (Linnaeus, 1766).

Genus *Coeloides* Wesmael, 1838

Coeloides Wesmael, 1838. 1-166.

***Coeloides abdominalis* (Zetterstedt, 1838)**

Bracon abdominalis Zetterstedt, 1838. 358-408.

Coeloides abdominalis. Dalla Torre, 1898.

Distribution in Türkiye. Türkiye (Schimitschek, 1941). Checklist (Beyarslan, 2014). Ardahan, (Beyarslan, 2016).

Zoogeographic region. Palaearctic.

Distribution. Armenia, Austria, China, Czech Republic, Czechoslovakia, Denmark, Finland, France, Germany, Hungary, Japan, Korea, Norway, Poland, Romania, Russia, Slovakia, Spain, Spain-main, Sweden, Switzerland, Türkiye, United Kingdom.

Hosts. Coleoptera. Cerambycidae. *Acanthocinus aedilis* (Linnaeus, 1758). **Curculionidae.** *Hylesinus fraxini* (Panzer, 1779), *Hylurgops palliatus* (Gyllenhal, 1813), *Ips acuminatus* (Gyllenhal, 1827) [*Pinus tabulaeformis*], *I. cembrae* (Heer, 1836), *I. sexdentatus* (Borner, 1776) [*Picea orientalis*], *I. subelongatus* (Motschulsky, 1860), *I. typographus* (Linnaeus, 1758) [*Pinus koraiensis*], *Orthotomicus proximus* (Eichhoff, 1867), *Phloeotribus scarabaeoides* (Bernard, 1788), *Pissodes harcyniae* (Herbst, 1795), *Pissodes notatus* (Fabricius, 1787) [*Pinus maritima*, *Pinus sylvestris*], *Pissodes piceae* (Illiger, 1807), *P. validirostris* (Sahlberg, 1834), *Scolytus multistriatus* (Marsham, 1802), *S. ratzeburgii* Janson, 1856, *S. rugulosus* (Mueller, 1818), *Tomicus pilifer* Wood & Bright, 1992 [*Pinus koraiensis*].

Buprestidae. *Melanophila cyanea* (Fabricius, 1775).

Scolytidae. *Blastophagus minor* (Hartig, 1834), *B. piniperda* (Linnaeus, 1758) [*Pinus sylvestris*]. **Diptera.**

Chloropidae. *Lipara lucens* Meigen, 1830.

Lepidoptera. Tortricidae. *Epinotia pygmaeana* (Hübner, 1799).

***Coeloides foersteri* Haeselbarth, 1967**

Coeloides foersteri Haeselbarth, 1967. 20-53.

Distribution in Türkiye. Bursa (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Western Palaearctic.

Distribution. Austria, Czech Republic, Czechoslovakia, Finland, France, Georgia, Germany, Poland, Slovakia, Switzerland, Türkiye.

Hosts. Coleoptera. Scolytinae. *Ips typographus* (Linnaeus, 1758). **Curculionidae.** *Pissodes harcyniae* Schoenherr, 1835, *P. notatus* Germar, 1817 [*Pinus sylvestris*], *P. piceae* (Illiger, 1807) [*Abies alba*], *P. piniphilus* (Herbst, 1797).

***Coeloides sordidator* (Ratzeburg, 1844)**

Bracon sordidator Ratzeburg, 1844

Coeloides sordidator. Papp, 1971

Synonym. *Coeloides melanostigma* Strand, 1918; *Coeloides stigmaticus* Hellen, 1927.

Distribution in Türkiye. Ardahan, (Beyarslan, 2016).

Zoogeographic region. Palaearctic.

Distribution. Austria, Croatia, Czechoslovakia, France, Germany, Greece, Hungary, Italy, Latvia, Lithuania, Poland, Portugal, Russia, Sweden, Switzerland, Türkiye, United Kingdom, Former Yugoslavia.

Hosts. Coleoptera. Cerambycidae. *Monochamus galloprovincialis* (Olivier, 1795). **Curculionidae.** *Blastophagus minor* Mader, 1937, *B. piniperda* (Linnaeus, 1758). *Carphoborus minimus* (Fabricius, 1798). *Orthotomicus proximus* (Eichhoff, 1867). *Pissodes castaneus* (De Geer, 1775) [*Pinus nigra*, *Pinus pinaster*, *Pinus sylvestris*], *P. notatus* Germar, 1817 [*Pinus sylvestris*], *P. piniphilus* (Herbst, 1797) [*Pinus sylvestris*], *P. alidirostris* (Sahlberg, 1834). [*Pinus nigra*, *Pinus sylvestris*]. *Pityogenes quadridens* (Hartig, 1834). *Scolytus intricatus* (Ratzeburg, 1837). **Buprestidae.** *Melanophila cyanea* (Fabricius, 1775). **Scolytidae.** *Ips typographus* (Linnaeus, 1758).

Genus *Glyptomorpha* Holmgren, 1868

Glyptomorpha Holmgren, 1868. 391-442.

Subgenus *Glyptomorpha* str. s

***Glyptomorpha* (*Glyptomorpha*) *discolor* (Thunberg, 1824)**

Ichneumon discolor Thunberg, 1824. 285-368.

Glyptomorpha discolor. Roman, 1912. 229-293.

Distribution in Türkiye. Adıyaman, Edirne, Çanakkale, Kahramanmaraş, Kırklareli, Tekirdağ (Beyarslan, 1991). Balıkesir, Tekirdağ (Beyarslan & Inanc, 1994). Adıyaman, Balıkesir, Çanakkale, Edirne, Kahramanmaraş, Kırklareli, Tekirdağ (Beyarslan, 1999). Adıyaman, Balıkesir, Çanakkale, Edirne, Kahramanmaraş, Kırklareli, Tekirdağ (Beyarslan et al., 2006b). Erzincan (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014)

Zoogeographic region. Palaearctic.

Distribution. Azerbaijan, France, France-main, Georgia, Iran, Kazakhstan, Morocco, Russia, Türkiye, Turkmenistan, Ukraine.

***Glyptomorpha (Glyptomorpha) dispar* Tobias, 1986**

Glyptomorpha dispar Tobias, 1986

Glyptomorpha (Glyptomorpha) dispar. Capek & Hofmann, 1997

Distribution in Türkiye. Ardahan, Erzurum, Iğdır, Kars (Beyarslan, 2016). Checklist (Beyarslan, 2014).

Zoogeographic region. Western Palaearctic

Distribution. Greece, Russia, Türkiye, Ukraine.

***Glyptomorpha (Glyptomorpha) elector* (Kokujev, 1898)**

Vipio (Pseudovipio) elector, Kokujev, 1898. 32, 345-411.

Glyptomorpha elector. Kiss & von Zilah, 1915. 22, 19-33, 76-86.

Glyptomorpha (Glyptomorpha) elector. Fahringer, 1926. 61-220.

Synonym. *Glyptomorpha brevicaudis* Shestakov, 1932; *Glyptomorpha turkestanica* Shestakov, 1932.

Distribution in Türkiye. Kayseri (Kohl, 1905). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. China, Hungary, Kazakhstan, Mongolia, Türkiye, Turkmenistan, Uzbekistan.

***Glyptomorpha (Glyptomorpha) exsculpta* Shestakov, 1926**

Glyptomorpha exsculpta Shestakov 1926. 2, 25-163.

Glyptomorpha (Glyptomorpha) exsculpta. van Achterberg, 2006.

Distribution in Türkiye. Türkiye (Capek & Hofmann, 1997).

Zoogeographic region. Palaearctic.

Distribution. Kazakhstan, Türkiye, Turkmenistan.

***Glyptomorpha (Glyptomorpha) gracilis* (Szépligeti, 1901)**

Pseudovipio gracilis Szépligeti, 1901. 261-288.

Glyptomorpha gracilis. Szépligeti, 1904. 1-253.

Distribution in Türkiye. Balıkesir, Edirne, Tekirdağ (Beyarslan, 1999, Beyarslan et al., 2006b). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Greece, Hungary, Israel, Italy, Macedonia, Russia, Slovakia, Spain, Sweden, Switzerland, Türkiye, Uzbekistan, Former Yugoslavia.

***Glyptomorpha (Glyptomorpha) kasparyani* Tobias, 1976**

Glyptomorpha kasparyani Tobias, 1976. 1-286.

Distribution in Türkiye. Edirne, Tekirdağ (Beyarslan, 1999, Beyarslan et al., 2006b). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Armenia, Azerbaijan, Iran, Türkiye.

***Glyptomorpha (Glyptomorpha) pectoralis* (Brullé, 1832)**

Vipio pectoralis Brulle, 1832. 1-400.

Glyptomorpha pectoralis: Tobias, 1976. 120-121.

Synonym. *Ichneumon desertor* (Fabricius, 1775); *Iphiaulax smenus* (Cameron, 1904); *I. smenus* (Cameron, 1904); *Pseudovipio intermedius* (Szépligeti, 1901); *Vipio algiricus* (Lucas, 1849); *V. desectus* (Bradley, 1919); *V. nursei* (Cameron, 1906); *V. tuberculosus* (Brullé, 1846); *V. unicolor* (Cameron, 1906).

Distribution in Türkiye. Kayseri (Kohl, 1905). Amanos Mountains (Fahringer, 1922). Adana, Antalya, Burdur, Hatay, Mersin, Isparta, (Beyarslan, 1986; 1987b). Adana, Adıyaman, Çanakkale, Edirne, Erzurum, Kırklareli (Beyarslan, 1991). Balıkesir, Bilecik, Edirne, Tekirdağ (Beyarslan & Inanc, 1994). Adana, Adıyaman, Artvin, Balıkesir, Bilecik, Çanakkale, Edirne, Erzurum, Mersin, Kırklareli, Tekirdağ (Beyarslan, 1999). Aegean region (Beyarslan et al., 2002a Imbros, Tenedos (Beyarslan

et al., 2002b). Çankırı, Karabük, Kastamonu, Sinop (Beyarslan et al., 2005). Adana, Artvin, Balıkesir, Bilecik, Çanakkale, Edirne, Erzurum, İcel, Kırklareli, Tekirdağ (Beyarslan et al., 2006). Amasya, Çorum, Samsun, Tokat (Beyarslan et al., 2008ab). Afyon, Ankara, Çankırı, Çorum, Elazığ, Erzincan, Eskişehir, Gümüşhane, Isparta, İzmir, Karaman, Kayseri, Konya, Malatya, Siirt, Sivas, Tokat, Tunceli, Yozgat (Beyarslan & Cetin Erdogan, 2012). Mardin (Beyarslan et al., 2014). Checklist (Beyarslan, 2014). Ardahan, Erzurum, Iğdır, Kars (Beyarslan, 2016). Bitlis (Beyarslan & Şahin, 2018).

Zoogeographic region. Palaearctic, Ethiopian and Oriental.

Distribution. Afghanistan, Algeria, Austria, Azerbaijan, China, Croatia, Czech Republic, Egypt, France, Georgia, Greece, Hungary, India, Iran, Israel, Italy, Kazakhstan, Libya, Malaysia, Moldova, Mongolia, Morocco, Mozambique, Pakistan, Poland, Russia, Slovakia, South Africa, Spain, Tajikistan, Tunisia, Türkiye, Turkmenistan, Ukraine, United Kingdom, Uzbekistan, Former Yugoslavia.

Hosts. Coleoptera. Buprestidae. *Chrysobothris affinis* (Fabricius, 1794), *Sphenoptera gossypii* Kerremans, 1892 [*Arachis hypogaea*, *Cajanus cajan*, *Gossypium hirsutum*], *S. laticollis* (Olivier, 1790) [*Onobrychis viciifolia*], *S. montana* Dejean, 1833. **Cerambycidae.** *Plagionotus arcuatus* (Linné, 1758).

***Glyptomorpha (Glyptomorpha) sicula (Marshall, 1888)**

Bracon siculus Marshall, 1888. 4, 609.

Pseudovipio siculus. DallaTorre, 1898. 1-323.

Distribution in Türkiye. Kırklareli (Beyarslan, 1991). Bursa, Edirne, Tekirdağ (Beyarslan & Inanc, 1994). Sivas (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Western Palaearctic.

Distribution. Croatia, Czechoslovakia, France, Greece, Hungary, Israel, Italy, Romania, Spain, Türkiye.

Genus Iphiaulax Foerster, 1862

Iphiaulax Foerster, 1862. 225-288.

Subgenus Euglyptobracon Telenga, 1936

Iphiaulax (Euglyptobracon) bicolor (Telenga, 1936)

Euglyptobracon bicolor Telenga, 1936. 1-402.

Iphiaulax (Euglyptobracon) bicolor. Tobias, 1976. 1-286.

Distribution in Türkiye. Adıyaman (Beyarslan & Inanc, 1994). Adıyaman, Bursa (Beyarslan, 1999). Checklist (Beyarslan, 2014).

Zoogeographic region. Western Palaearctic.

Distribution. Russia, Türkiye.

Iphiaulax (Euglyptobracon) impeditor (Kokujev, 1898)

Vipio (Iphiaulax) impeditor Kokujev, 1898, 345-411.

Iphiaulax (Euglyptobracon) impeditor. Tobias, 1976

Distribution in Türkiye. Gaziantep (Beyarslan & Inanc, 1994). Bursa, Erzurum (Beyarslan, 1999b). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Azerbaijan, China, Czechoslovakia, Georgia, Iran, Israel, Kazakhstan, Lithuania, Moldova, Russia, Slovakia, Türkiye.

Iphiaulax (Euglyptobracon) tauricus Shestakov, 1927

Iphiaulax tauricus Shestakov, 1927. 21, 202-211.

Iphiaulax (Euglyptobracon) tauricus. Tobias, 1976

Synonym. *Bracon incisus* Spinola, 1851; *Iphiaulax incisorus* Shenefelt, 1978.

Distribution in Türkiye. Kırklareli (Beyarslan & Inanc, 1994). Bilecik, Erzurum, Kırklareli Beyarslan, 1999). Türkiye (Papp, 2001). Diyarbakır (Beyarslan et al., 2014). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Armenia, Azerbaijan, Israel, Italy, Kazakhstan, Malta, Türkiye, Ukraine.

Subgenus Iphiaulax s.str.

Iphiaulax (Iphiaulax) fastidiator (Fabricius, 1781)

Ichneumon fastidiator (Fabricius, 1781). 1-552.

Iphiaulax (Iphiaulax) fastidiator. Tobias, 1986

Synonym. *Bracon coccineus* Szepliget, 1896; *Bracon corallinus* ?, ?; *Bracon multiarticulatus* Ratzeburg, 1852.

Distribution in Türkiye. Eskişehir (Beyarslan et al., 2014).

Zoogeographic region. Afrotropical, Western Palaearctic.

Distribution. Cameroon, Democratic Republic of Congo, Egypt, Equatorial Guinea, Eritrea, France,

Germany, Ghana, Guinea, Italy, Kenya, Madagascar, Mozambique, Namibia, Senegal, Somalia, South Africa, Sudan, Tanzania, Togo, Tunisia, Türkiye, Uganda.

Hosts. Coleoptera. Cerambycidae. *Saperda populnea* (Linné, 1758).

Iphiaulax (Iphiaulax) impostor (Scopoli, 1763)

Iphiaulax impostor (Scopoli, 1763)

Ichneumon impostor Scopoli, 1763. 1-420.

Iphiaulax (Iphiaulax) impostor.

Synonym. *Cynips ignota* (Christ, 1791); *Ichneumon coccineus* (Geoffroy, 1785); *I. incertus* (Christ, 1791); *Iphiaulax carissimus* Shestakov, 1927; *I. infuscatus* Shestakov, 1927; *I. parvulus* Shestakov, 1927; *I. pulchellus* Telenga, 1936; *I. senex* Shestakov, 1927; *I. sibiricus* Shestakov, 1927.

Distribution in Türkiye. Türkiye (Szépligeti, 1906). Amanos Mountains (Fahringer, 1922). Bursa, Erzurum (Beyarslan, 1999). Tenedos (Beyarslan et al., 2002b). Afyon (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Afrotropical, Oriental, Palaearctic.

Distribution. Albania, Algeria, Armenia, Azerbaijan, Bulgaria, China, Croatia, Cyprus, Czech Republic, Czechoslovakia, Estonia, Finland, France, Georgia, Germany, Greece, Hungary, Iran, Israel, Italy, Japan, Kazakhstan, Korea, Latvia, Lithuania, Macedonia, Mongolia, Morocco, Norway, Poland, Portugal, Romania, Russia, Slovakia, Spain, Spain-main, Sudan, Sweden, Switzerland, Tajikistan, Türkiye, Turkmenistan, Ukraine, United Kingdom, Former Yugoslavia.

Hosts. Coleoptera, Buprestidae. *Anthaxia morio* (Scopoli, 1772). **Cerambycidae.** *Acanthocinus aedilis* (Linné, 1758), *Acanthoderes clavipes* (Schrank, 1781), *A. varius* (Schrank, 1781), *Apriona germarii* (Hope, 1831), *Icosium tomentosum* Lucas, 1854 [*Tetraclinis articulata*], *Leiopus nebulosus* (Linnaeus, 1758), *Monochamus galloprovincialis* M. *sutor* (Linnaeus, 1758), *Oberea linearis* (Linné, 1761), *Plagionotus arcuatus* (Linné, 1758), *Purpuricenus budensis* (Götz, 1783), *Rhagium inquisitor* (Linnaeus, 1758), *Saperda populnea* (Linnaeus, 1758) [*Populus tremula*]. **Sesiidae.**

Xyleutes persona (Le Guillou, 1841). **Lepidoptera. Cossidae.** *Zeuzera leuconotum* Butler 1881.

Iphiaulax (Iphiaulax) jacobsoni Shestakov, 1927

Iphiaulax jacobsoni Shestakov, 1927

Iphiaulax (Iphiaulax) jacobsoni. Papp, 2015

Distribution in Türkiye. Gaziantep (Beyarslan, 1999). Elazığ, Erzincan, Malatya, Tokat (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014)

Zoogeographic region. Palaearctic.

Distribution. Israel, Malta, Türkiye, Uzbekistan.

Iphiaulax (Iphiaulax) jakowlewi (Kokujev, 1898)

Vipio (Aniphiaulax) jakowlewi Kokujev, 1898. 32, 345-411.

Iphiaulax (Iphiaulax) jakowlewi. Tobias, 1986

Distribution in Türkiye. Mardin, Şanlıurfa (Beyarslan et al., 2014). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. China, Kazakhstan, Mongolia, Türkiye.

Iphiaulax (Iphiaulax) mactator (Klug, 1817)

Iphiaulax mactator (Klug, 1817)

Bracon mactator Klug, 1817. 258-259. *phiaulax (Iphiaulax) mactator.* Tobias & Belokobylskij, 2000

Synonym. *Iphiaulax commiferus* Shestakov, 1927.

Distribution in Türkiye. Ankara, Malatya (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Azerbaijan, Bosnia Hercegovina, China, Croatia, Former Czechoslovakia, Germany, Greece, Hungary, Iran, Israel, Italy, Kazakhstan, Mongolia, Poland, Romania, Russia, Slovakia, Spain, Switzerland, Syria, Türkiye, Ukraine, Former Yugoslavia.

Hosts. Coleoptera. Cerambycidae. *Acanthocinus aedilis* (Linné, 1758).

Iphiaulax (Iphiaulax) potanini (Kokujev, 1898)

Vipio potanini Kokujev, 1898. 345-411.

Iphiaulax (Iphiaulax) potanini. Tobias & Belokobylskij, 2000

Distribution in Türkiye. Tunceli (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Mongolia, Tajikistan, Türkiye, Turkmenistan,

Hosts. **Coleoptera.** **Cerambycidae.** *Cleroclytus semenovi* Jakovlev, 1900.

Genus *Pseudovipio* Szépligeti, 1896

Pseudovipio baeticus (Spinola, 1843)

Bracon baeticus Spinola, 1843. (2) 1, 111-144.

Pseudovipio baeticus. Dalla Torre, 1898

Distribution in Türkiye. Adana, Mersin (Beyarslan et al., 2006b). Checklist (Beyarslan, 2014).

Zoogeographic region. Western Palaearctic.

Distribution. Greece, Morocco, Portugal, Spain, Türkiye.

Hosts. **Lepidoptera.** **Noctuidae.** *Sesamia nonagrioides* (Lefebvre, 1827).

**Pseudovipio barchanicus* (Telenga, 1936)

Glabriolum barchanicum Telenga, 1936. 5 (2). 402.

Pseudovipio barchanicus. Tobias, 1986. 145, 1-501.

Distribution in Türkiye. Samsun (Beyarslan et al., 2014). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Kazakhstan, Türkiye, Turkmenistan.

Pseudovipio castrator (Fabricius, 1896)

Ichneumon castrator Fabricius, 1798. 1-572.

Pseudovipio castrator. Tobias, 1986. 85-149.

Synonym. *Bracon constantinensis* (Strand, 1910); *Ichneumon cuniculator* (Rossi, 1792).

Distribution in Türkiye. Amanos Mountains (Fahringer, 1922). Kayseri (Fahringer, 1926). Adana, Adiyaman, Antalya, Erzurum, Mersin, Kırklareli, Tekirdağ (Beyarslan, 1991). Bursa, Edirne, Erzurum, Kırklareli, Tekirdağ (Beyarslan & Inanc, 1994). Adana, Adiyaman, Antalya, Bursa, Çanakkale, Edirne, Erzurum, Mersin, Kırklareli, Tekirdağ (Beyarslan, 1999). Imbros, Tenedos (Beyarslan et al., 2002b). Kastamonu, Sinop, Zonguldak (Beyarslan et al., 2005). Tokat (Beyarslan et al., 2008ab). Erzurum (Guclu & Ozbek, 2011). Ankara, Erzincan, Eskişehir, Isparta, Konya, Malatya, Sivas, Tokat (Beyarslan & Cetin Erdogan, 2012). Mardin, Şanlıurfa (Beyarslan

et al., 2014). Checklist (Beyarslan, 2014). Kars (Beyarslan, 2016).

Zoogeographic region, Afrotropical. Palaearctic

Distribution. Albania, Algeria, Azerbaijan, Croatia, Cyprus, Czech Republic, Czechoslovakia, Egypt, France, Georgia, Germany, Greece, Hungary, Iran, Israel, Italy, Kazakhstan, Moldova, Mongolia, Romania, Russia, Slovakia, Spain, Sudan, Switzerland, Syria, Türkiye, Ukraine,

Hosts. **Coleoptera.** **Buprestidae.** *Chrysobothris affinis* (Fabricius, 1794). **Curculionidae.** *Lixus juncii* Boheman, 1835. **Cerambycidae.** *Plagionotus arcuatus* (Linné, 1758). **Lepidoptera.** **Amphipyridae.** *Gortyna xanthenes* Germar, 1844 [*Cynara scolymus*].

**Pseudovipio gorgoneus* (Marshall, 1900)

Bracon (Vipio) gorgoneus Marshall, 1900. 1897-1900.

Pseudovipio gorgoneus. Papp, 1990. 269-290.

Distribution in Türkiye. Balıkesir, Isparta (Beyarslan & Inanc, 1994). Checklist (Beyarslan, 2014).

Zoogeographic region. Western Palaearctic.

Distribution. Greece, Israel, Spain, Türkiye.

**Pseudovipio guttiventris* (Thomson, 1892)

Bracon (Vipio) guttiventris Thomson, 1892. 1777-1861.

Pseudovipio guttiventris. Dalla Torre, 1898. 1-323.

Synonym. *Agathis variegata* (Boheman, 1853); *Pseudovipio biroii* Szépligeti, 1896.

Distribution in Türkiye. van (Beyarslan & Inanc, 1994). Malatya, Samsun (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic

Distribution. Czech Republic, Czechoslovakia, Finland, Germany, Hungary, Kazakhstan, Poland, Sweden, Türkiye, Ukraine, United Kingdom.

Hosts. **Coleoptera.** **Curculionidae.** *Cneorhinus plagiatu*s Wagner, H. in Calwer, 1913, **Cerambycidae.** *Oberea erythrocephala* (Schrank, 1776), *Xylotrechus rusticus* (Linnaeus, 1758) [*Quercus robur*].

Pseudovipio inscriptor (Nees, 1834)

Bracon inscriptor Nees, 1834. 1-320.

Pseudovipio inscriptor. Szépligeti, 1896. 228-242.

Distribution in Türkiye. Mersin, Edirne (Beyarslan, 1991). Edirne, Kırklareli, Tekirdağ (Beyarslan &

Inanc, 1994). Türkiye (Capek & Hofmann, 1997). Balıkesir, Bursa, Edirne, Erzurum, Mersin, Kırklareli, Tekirdağ, Kıbrıs (Beyarslan, 1999). İmbros, Tenedos (Beyarslan et al., 2002b). Kastamonu, Karabük (Beyarslan et al., 2005). Amasya, Çorum (Beyarslan et al., 2008ab). Tekirdağ (Beyarslan et al., 2006). Erzurum (Guclu & Ozbek, 2011). Amasya, Ankara, Burdur, Çankırı, Çorum, Elazığ, Erzincan, Eskişehir, Isparta, Kayseri, Kırklareli, Malatya, Sivas, Tunceli, Yozgat (Beyarslan & Cetin Erdogan, 2012). Konya (Beyarslan et al., 2014). Checklist (Beyarslan, 2014). Bitlis (Beyarslan & Şahin, 2018).

Zoogeographic region. Palaearctic.

Distribution. Azerbaijan, Croatia, Cyprus, Czechoslovakia, France, Georgia, Germany, Greece, Hungary, Iran, Israel, Italy, Kazakhstan, Moldova, Mongolia, Romania, Russia, Spain, Türkiye, Ukraine, Uzbekistan, Former Yugoslavia.

Host. **Lepidoptera. Crambidae.** *Ostrinia nubilalis* (Huebner, 1796).

***Pseudovipio minutus (Telenga, 1936)**

Glyptomorpha minuta Telenga, 1936. 1-402.

Pseudovipio minutus. Tobias, 1986. 85-149.

Distribution in Türkiye. Balıkesir (Beyarslan & Inanc, 1994). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Kazakhstan, Russia, Türkiye, Ukraine.

***Pseudovipio tataricus (Kokujev, 1898)**

Vipio (Pseudovipio) tataricus Kokujev, 1898. 345-411.

Pseudovipio tataricus. Tobias, 1986. 85-149.

Synonym. *Glyptomorpha pusilla* (Shestakov, 1932).

Distribution in Türkiye. Aydın, Konya, Niğde (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Armenia, Azerbaijan, China, Cyprus, Iran, Israel, Kazakhstan, Moldova, Mongolia, Russia, Tajikistan, Türkiye, Turkmenistan, Uzbekistan.

Hosts. **Coleoptera. Curculionidae.** *Lixus incanescens* Boheman, 1835. **Lepidoptera. Gelechiidae.** *Amblylipsis tamarmersinla* Danilevsky, 1955.

Pseudovipio umbraculator (Nees, 1834)

Bracon umbraeulator Nees, 1834. 1-320.

Pseudovipio umbraculator. DallaTorre, 1898. 1-323.

Synonym. *Vipio anceps* (Kokujev, 1898).

Distribution in Türkiye. Edirne (Beyarslan & Inanc, 1994). Edirne, Kıbrıs (Beyarslan, 1999). (Beyarslan, 1999). Amasya, Elazığ, Muğla, Samsun, Tokat, Yozgat (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014). Erzurum, Iğdır, Kars (Beyarslan, 2016).

Zoogeographic region. Palaearctic.

Distribution. Azerbaijan, Bosnia Hercegovina, Croatia, Cyprus, Czech Republic, Czechoslovakia, France, Georgia, Germany, Greece, Hungary, Israel, Italy, Kazakhstan, Lithuania, Moldova, Poland, Russia, Slovakia, Türkiye, Uzbekistan, Former Yugoslavia.

Genus Vipio Latreille, 1804

Vipio Latreille, 1804. 161-190.

Vipio (Vipio) alpi Beyarslan, 2002

Vipio alpi Beyarslan, 2002b. 189-200.

Distribution in Türkiye. Kırklareli, Tekirdağ (Beyarslan, 1987a). Samsun, Sinop, Edirne (Beyarslan et al., 2008b). Ankara, Elazığ, Erzincan, Eskişehir, Kayseri, Ordu, Sivas (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Western Palaearctic (Türkiye).

Distribution. Türkiye.

Vipio (Vipio) appellator (Nees, 1834)

Bracon appellator Nees, 1834. 1-320.

Vipio (Vipio) appellator. Fahringer, 1925. 1-60.

Synonym. *Agathis longicauda* (Boheman, 1853); *Vipio mendax* Kokujev, 1898; *V. phoenix* Marshall, 1888; *V. pseudappellator* Kokujev, 1898.

Distribution in Türkiye. Kayseri (Kohl, 1905). Isparta, Kırklareli (Beyarslan, 1991). Isparta, Kırklareli, (Beyarslan et al., 2005). Kırklareli, Isparta (Beyarslan et al., 2008b). Isparta, Niğde, Sivas (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Azerbaijan, China, China-Shanxi, Croatia, Czech Republic, Czechoslovakia, Finland, France, Georgia, Germany, Hungary, Italy, Kazakhstan, Latvia, Lithuania, Mongolia, Netherlands, Poland, Russia, Slovakia, Spain, Sweden, Switzerland, Tajikistan, Türkiye, Ukraine, Uzbekistan, Former Yugoslavia.

Hosts. Coleoptera. Curculionidae. *Chromoderus fasciatus* Muller, 1776 [*Chenopodium album*].

Buprestidae. *Chrysobothris affinis* (Fabricius, 1794) [*Fagus sylvatica*, *Ulmus glabra*].

***Vipio (Vipio) humerator* (Costa, 1885)**

Bracon humerator Costa, 1885. 167-174.

Vipio (Vipio) humerator. Papp, 1993. 41-51.

Synonym. *Bracon rimulosus* (Thomson, 1892); *Isomecus schlettereri* (Kriechbaumer, 1895); *Vipio frivaldszkyi* Szépligeti, 1896; *Vipio marshalli* Schmiedeknecht, 1897.

Distribution in Türkiye. Kırklareli (Beyarslan, 1991). Bilecik, Bursa, Edirne, Kırklareli (Beyarslan & Inanc, 1994). Imbros (Beyarslan et al., 2002b). Afyon, Amasya, Bursa, Çanakkale, Edirne, Istanbul, Kırklareli, Kutahya, Ordu, Tekirdağ, Tokat (Beyarslan et al., 2008b). Erzurum (Guclu & Ozbek, 2011). Adıyaman, Amasya, Bayburt, Erzincan, Eskişehir, Gümüşhane, Isparta, Kutahya, Malatya, Ordu, Sinop, Tokat (Beyarslan & Cetin Erdogan, 2012). Diyarbakır (Beyarslan et al., 2014). Checklist (Beyarslan, 2014). Erzurum (Beyarslan, 2016).

Zoogeographic region. Palaearctic.

Distribution. Albania, Algeria, Azerbaijan, Bulgaria, Croatia, France, Georgia, Greece, Hungary, Iran, Israel, Italy, Moldova, Romania, Russia, Russia-Stavropolskiy Kray, Spain, Türkiye, Ukraine, Former Yugoslavia.

****Vipio (Vipio) illusor* (Klug, 1834)**

Bracon contractor Nees, 1834. 1-320.

Vipio contractor. Marshall, 1888. 4, 71.

Vipio (Vipio) illusor Fahringer, 1925. 1-60.

Synonym. *Bracon contractor* (Nees, 1834); *Vipio maculator* Brullé, 1832.

Distribution in Türkiye. Balıkesir, Isparta (Beyarslan & Inanc, 1994). Balıkesir, Erzurum, Isparta (Beyarslan, 1999). Erzurum (Beyarslan et al.,

2008b). Erzurum (Guclu & Ozbek, 2011). Mardin (Beyarslan et al., 2014). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Austria, Azerbaijan, Croatia, France, Greece, Hungary, Iran, Israel, Italy, Kazakhstan, Macedonia, Moldova, Romania, Russia, Spain, Tunisia, Türkiye, Ukraine, Former Yugoslavia.

***Vipio (Vipio) insectator* Kokujev, 1898**

Vipio (Vipio) insectator Kokujev, 1898. 45-411.

Distribution in Türkiye. Edirne (Beyarslan & Inanc, 1994). Afyon, Edirne (Beyarslan et al., 2008b). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Czech Republic, Czechoslovakia, France, Hungary, Kazakhstan, Moldova, Russia, Slovakia, Türkiye, Ukraine.

***Vipio lalapasaensis* (Beyarslan, 1992)**

Isomecus lalapasaensis Beyarslan, 1992. 13 (15). 253-260.

Vipio (Vipio) lalapasaensis. Beyarslan, 1999. 93-118.

Distribution in Türkiye. Edirne (Beyarslan, 1992). Checklist (Beyarslan, 2014).

Zoogeographic region. Western Palaearctic (Türkiye).

Distribution. Türkiye.

***Vipio (Vipio) longicauda* (Boheman, 1853)**

Agathis longicauda Boheman, 1853. 53-210.

Vipio (Vipio) longicauda. Bergamesco & Pennacchio, 1995. 2-29.

Synonym. *Ichneumon nominator* (Fabricius, 1793).

Distribution in Türkiye. Çanakkale, Edirne, Kırklareli, Tekirdağ (Beyarslan, 1991). Adapazarı, Edirne (Beyarslan & Inanc, 1994). Adapazarı, Çanakkale, Edirne, Kırklareli, Tekirdağ (Beyarslan, 1999). Bartın, Bolu, Karabük, Kastamonu, Sinop, Zonguldak (Beyarslan et al., 2005). Adapazarı, Çanakkale, Edirne, Kırklareli, Tekirdağ (Beyarslan et al., 2008b). Amasya, Bolu, Eskişehir, Gümüşhane, Karabük, Ordu, Sivas, Tekirdağ (Beyarslan & Cetin Erdogan, 2012). Erzurum (Guclu & Ozbek, 2011). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Albania, Algeria, Azerbaijan, Belgium, Bosnia Hercegovina, Croatia, Cyprus, Czech Republic, France, Georgia, Germany, Greece, Hungary, Iran, Israel, Italy, Kazakhstan, Moldova, Mongolia, Netherlands, Poland, Russia, Slovakia, Spain, Sweden, Switzerland, Syria, Tajikistan, Türkiye, Ukraine, United Kingdom, Former Yugoslavia.

Hosts. Coleoptera. Cerambycidae. *Acanthocinus griseus* (Fabricius, 1792), *Molorchus minor* (Linnaeus, 1758). **Lymexylidae.** *Hylecoetus dermestoides* (Linnaeus, 1861). **Lymexylidae.** *Lymexylon navale* (Linnaeus, 1858) [*Quercus petraea*].

***Vipio (Vipio) mlokoszeviczi* Kokujev, 1898**

Vipio mlokoszeviczi Kokujev, 1898. 291–317.

Vipio (Vipio) mlokoszeviczi. Fahringer, 1925. 1-60.

Distribution in Türkiye. Afyon, Amasya, Ordu (Beyarslan et al., 2008b). Gümüşhane, Malatya, Yozgat (Beyarslan & Cetin Erdogan, 2012). Mardin, Mardinaltı (Beyarslan et al., 2014). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Afghanistan, Azerbaijan, Cyprus, Georgia, Iran, Israel, Romania, Tajikistan, Türkiye, Turkmenistan, Uzbekistan.

***Vipio (Vipio) nomioides* Shestakov, 1926**

Vipio nomioides Shestakov 1926. 19, 208-212.

Vipio (Vipio) nomioides. van Achterberg, 2006.

Distribution in Türkiye. Türkiye (Capek & Hofmann, 1997).

Zoogeographic region. Palaearctic.

Distribution. Azerbaijan, Czechoslovakia, Iran, Türkiye.

***Vipio (Vipio) simulator* Kokujev, 1898**

Vipio (Vipio) Simulator Kokujev, 1898. 345-411).

Distribution in Türkiye. Isparta (Beyarslan, 1991, 1999). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Czechoslovakia, Hungary, Kazakhstan, Russia, Türkiye.

***Vipio (Vipio) shestakovi* Telenga, 1936**

Vipio shestakovi Telenga, 1936. 1-402.

Vipio (Vipio) shestakovi. Shenefelt 1978. 1425-1872.

Distribution in Türkiye. Kayseri (Beyarslan & Cetin Erdogan, 2012). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Türkiye, Turkmenistan.

***Vipio (Vipio) tentator* (Rossi, 1790)**

Ichneumon tentator Rossi, 1790. 2, 50.

Vipio tentator. Marshall, 1897. 5, 35.

Synonym. *Bracon geniculator* (Costa, 1885); *Ichneumon cuniculator* (Rossi, 1792); *Vipio brevicaudis* Szépligeti, 1896; *V. curticaudis* Szépligeti, 1896.

Distribution in Türkiye. Bolu, Edirne, Kahramanmaraş, Kastamonu, Sinop, Tekirdağ, (Beyarslan, 1991). Edirne, Kırklareli (Beyarslan & Inanc, 1994). Edirne, Erzurum, Kahramanmaraş, Kırklareli, Tekirdağ (Beyarslan, 1999). Bolu, Kastamonu, Sinop (Beyarslan et al., 2005). Tekirdağ (Beyarslan et al., 2006). Afyon, Denizli, Kırklareli, Kutahya, Kahramanmaraş, Tokat (Beyarslan et al., 2008b). Afyon, Amasya, Ankara, Denizli, Edirne, Eskişehir, Kahramanmaraş, Kayseri, Kırklareli, Kutahya, Malatya, Ordu, Sivas, Tokat, Tunceli (Beyarslan & Cetin Erdogan, 2012). Erzurum (Guclu & Ozbek, 2011). Diyarbakır, Şanlıurfa, Mardin (Beyarslan et al., 2014). Checklist (Beyarslan, 2014). Erzurum, Iğdır, Kars (Beyarslan, 2016).

Zoogeographic region. Palaearctic.

Distribution. Algeria, Armenia, Austria, Azerbaijan, Croatia, Czech Republic, Czechoslovakia, France, Georgia, Germany, Greece, Hungary, Iran, Israel, Italy, Kazakhstan, Macedonia, Moldova, Romania, Russia, Slovakia, Spain, Syria, Tajikistan, Tunisia, Türkiye, Ukraine, Former Yugoslavia.

Hosts. Coleoptera. Buprestidae. *Agilus coeruleus* (Rossi, 1790).

***Vipio (Vipio) terrefactor* (Villers, 1789)**

Ichneumon terrefactor Villers, 1789. 134-218.

Vipio (Vipio) terrefactor: Kawall, 1865. 38, 341.

Vipio (Vipio) terrefactor. Yu et al., 2006.

Synonym. *Vipio improvisus* Kokujev, 1898; *V. intermedius* Szépliget, 1896; *V. interpellator* Kokujev, 1898; *V. neesii* Kokujev, 1898.

Distribution in Türkiye. Hakkari (Beyarslan, 1991). Edirne, (Beyarslan & Inanc, 1994). Edirne, Hakkari (Beyarslan, 1999). Çankırı (Beyarslan et al, 2008ab). Edirne (Beyarslan & Cetin Erdogan, 2012). Kayseri (Beyarslan et al., 2014). Checklist (Beyarslan, 2014).

Zoogeographic region. Palaearctic.

Distribution. Armenia, Austria, Azerbaijan, Bosnia Hercegovina, Croatia, Czech Republic, Czechoslovakia, France, Germany, Greece, Hungary, Iran, Italy, Kazakhstan, Latvia, Macedonia, Moldova, Romania, Russia, Slovakia, Spain, Türkiye, Ukraine, United Kingdom, Former Yugoslavia.

Hosts. Coleoptera. Curculionidae. *Cyphocleonus achates* (Fahraeus, 1842) [*Serratula radiata*].

Table 1. The genera, species, the number of species, zoogeographic regions (Afrotropical=afro., Australasian=aust. Eastern Palaearctic=e.pal. Ethiopian=ethio., Nearctic=nearc., Neotropic=neotr., Oceanic=oce., Oriental=ori., Eastern palaearctic=e.pal., Palaearctic=pal., Western palaearctic=w.pal.), distribution in Turkey (Anatolian=ana, thrace=tra, in both=bot regions) and the number of host species and their orders (Chalcioidea=Chal.; Coleoptera=Col., Diptera=Dip., Lepidoptera=Lep. covered by the Turkish Braconinae) (Hymenoptera, Braconidae) checklist

Species	Zoogeographic region	Distribution in Turkey	# of host species and their orders
<i>Atanycolus fulviceps</i> (Kriech.)	w.pal.	bot	--
<i>Atanycolus initiator</i> (Fabr.)	pal.	bot	Col. 36, Hym.2, Lep.3
<i>Atanycolus ivanowi</i> (Kok.)	pal.	Ana18	Col. 10
<i>Atanycolus neesii</i> (Mars)	pal.	Bot17	--
<i>Baryproctus barypus</i> (Marsh.)	pal.	ana	Dip.3
<i>Bracon (Asiabracon) quadrimaculatus</i> Tel.	pal.	bot	Lep. 1
<i>Bracon (Bracon) bachtiae</i> Beyars.	w.pal.	ana	Lep. 1.
<i>Bracon (Bracon) chagrinius</i> Beyars	w.pal.	bot	--
<i>Bracon (Bracon) curticornis</i> (Brues.)	afro., w. pal.	Tra1	--
<i>Bracon (Bracon) depressiusculus</i> Szépl.	pal.	ana	--
<i>Bracon (Bracon) fulvipes</i> Nees	pal.	bot	Col.6, Dip.4, Hym.5, Lep.2
<i>Bracon (Bracon) gusaricus</i> Tel.	pal.	ana	--
<i>Bracon (Bracon) intercessor</i> Nees	pal.	bot	Chal. 2, Col. 17, Dip, 1, Hym.7, Lep.7
<i>Bracon (Bracon) kozak</i> Tel.	pal.	ana	--
<i>Bracon (Bracon) kuslitzkyi</i> Tob.	w.pal.	ana	--
<i>Bracon (Bracon) Leptus</i> Marsh.	pal.	bot	Lep. 1
<i>Bracon (Bracon) longicollis</i> (Wesm.)	ori., pal.	bot	Dip. 1
<i>Bracon (Bracon) longigenis</i> Tob.	w.pal.	ana	--
<i>Bracon (Bracon) luteator</i> Spin	pal.	bot	Lep.2, Dip.1
<i>Bracon (Bracon) mariae</i> D.-T.	pal.	ana	Dip.1
<i>Bracon (Bracon) minutator</i> (Fabr.)	pal.	bot	Col.1, Dip.8, Hym.1, Lep.15
<i>Bracon (Bracon) murgabensis</i> Tob.)	pal.	ana	Col. 1
<i>Bracon (Bracon) nigratus</i> (Wesm.)	pal.	Ana	Dip.1, Lep.4
<i>Bracon (Bracon) pectoralis</i> (Wesm.)	pal.	bot	Col.1, Dip.1, Hym.1, Lep.5
<i>Bracon (Bracon) querceus</i> Tob.	w.pal.	ana	--
<i>Bracon (Bracon) rhinchiti</i> Greese	w.pal.	ana	Col.4, Hym.1 Lep.9
<i>Bracon (Bracon) selviae</i> Beyars	w.pal.	ana	--
<i>Bracon (Bracon) subglaber</i> Szépl.	pal.	bot	Col.1 Dip.7, Lep.5.
<i>Bracon (Bracon) tenuicornis</i> (Wesm.)	pal.	bot	Col.1
<i>Bracon (Bracon) trucidator</i> Marsh	pal.	bot	Col.1, Dip.2, Lep.2.
<i>Bracon (Bracon) variegator</i> Spin.	Oce., pal.	bot	Col.1, Lep.17.
<i>Bracon (Cyanopterobracon) armeniacus</i> Tel.	w. pal.	ana	--
<i>Bracon (Cyanopterobracon) fallax</i> Szépl.	pal.	ana	--
<i>Bracon (Cyanopterobracon) illyricus</i> Marsh.	pal.	ana	Col.2, Lep.1
<i>Bracon (Cyanopterobracon) sabulosus</i> Szépl.	pal.	bot	--
<i>Bracon (Cyanopterobracon) spectabilis</i> Tel.	pal.	ana	---
<i>Bracon (Cyanopterobracon) subfallax</i> Beyars.	w.pal.	ana	--
<i>Bracon (Cyanopterobracon) urinator</i> (Fabr.)	ethio., ori. pal.	bot	Col.8, Dip. 2
<i>Bracon (Glabrobracon) abbreviator</i> Nees	pal.	bot	Col.1, Dip. 1, Hym.2, Lep.9.
<i>Bracon (Glabrobracon) admotus</i> Papp.	w. pal.	ana	--
<i>Bracon (Glabrobracon) ahngerii</i> Tel.	ori., pal.	ana	--
<i>Bracon (Glabrobracon) angustiventris</i> Tob.	pal.	ana	--

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<i>Bracon (Glabrobracon) arcuatus</i> Thom.	pal.	ana	--
<i>Bracon (Glabrobracon) atrator</i> Nees	pal.	bot	Col.4, Dip.4, Lep.1.
<i>Bracon (Glabrobracon) baseflavus</i> Beyars.	w. pal.	bot	--
<i>Bracon (Glabrobracon) brevicaratus</i> Tob.	e. pal.	ana	--
<i>Bracon (Glabrobracon) caudatus</i> Ratz.	pal.	bot	Col.2, Dip.1, hym.2, Lep.1
<i>Bracon (Glabrobracon) caudiger</i> Nees.	w. pal.	bot	Lep.3
<i>Bracon (Glabrobracon) chryso stigma</i> Greese.	pal.	bot	Col.1, Dip.1
<i>Bracon (Glabrobracon) Colpophorus</i> (Wesm.)	pal.	bot	Col.3, hym.2
<i>Bracon (Glabrobracon) delibator</i> Hal.	pal.	bot	Col.3, Dip.1, Lep.1
<i>Bracon (Glabrobracon) delusorius</i> Tel.	pal.	ana	--
<i>Bracon (Glabrobracon) densipilosus</i> Tob.	pal.	bot	--
<i>Bracon (Glabrobracon) dersimensis</i> Beyars.	w. pal.	ana	--
<i>Bracon (Glabrobracon) dichromus</i> (Wesm.)	pal.	ana	Col.7, hym.1, Lep.4
<i>Bracon (Glabrobracon) discoideus</i> (Wesm.)	w. pal.	bot	Col.13, Dip.1, hym.9, Lep.3
<i>Bracon (Glabrobracon) dolichurus</i> Marsh.	pal.	bot	Col.1, Lep.2
<i>Bracon (Glabrobracon) epitriptus</i> Marsh.	pal.	bot	Co l.2, Dip.2, hym.1
<i>Bracon (Glabrobracon) exhilarator</i> Nees.	pal.	bot	Col.2, Dip.4, Lep.1
<i>Bracon (Glabrobracon) fadiche</i> Beyars.	w. pal.	bot	--
<i>Bracon (Glabrobracon) filicornis</i> Thom.	w. pal.	ana	--
<i>Bracon (Glabrobracon) flavipalpis</i> Thom.	e. pal.	bot	--
<i>Bracon (Glabrobracon) frater</i> Tob.	w.pal.	bot	--
<i>Bracon (Glabrobracon) fumatus</i> Szépl.	pal.	bot	--
<i>Bracon (Glabrobracon) helleni</i> Tel.	Pal.	bot	--
<i>Bracon (Glabrobracon) hemiflavus</i> Szépl.	pal.	bot	Col.1, Lep.1
<i>Bracon (Glabrobracon) immutator</i> Nees	pal.	ana	Col.5, Dip.1, hym.1
<i>Bracon (Glabrobracon) jaroslavensis</i> Tel.	pal.	ana	--
<i>Bracon (Glabrobracon) jenoii</i> Beyars.	w. pal.	ana	--
<i>Bracon (Glabrobracon) karkumicus</i> Tob.	pal.	ana	--
<i>Bracon (Glabrobracon) kirgisorum</i> Tel.	pal.	ana	Dip. 1
<i>Bracon (Glabrobracon) lividus</i> Tel.	pal.	bot	Dip. 1
<i>Bracon (Glabrobracon) longulus</i> Thom.	w.pal.	bot	Hym. 1
<i>Bracon (Glabrobracon) malatyensis</i> Beyars.	w.pal.	ana	--
<i>Bracon (Glabrobracon) negativus</i> Tob.	pal.	bot	--
<i>Bracon (Glabrobracon) nigripilosus</i> Tob.	w.pal.	bot	--
<i>Bracon (Glabrobracon) nigriventris</i> (Wesm.)	Pal.	bot	Col.17
<i>Bracon (Glabrobracon) obscurator</i> Nees	pal.	bot	Col.5, Dip.4, Lep. 8
<i>Bracon (Glabrobracon) otiosus</i> Mars.	pal.	bot	Col.2, hym.1, Lep.1
<i>Bracon (Glabrobracon) pachyceri</i> Quint.	w.pal.	bot	Col.2
<i>Bracon (Glabrobracon) parvicornis</i> Thom.	pal.	bot	--
<i>Bracon (Glabrobracon) parvulus</i> (Wesm.)	ori. pal.	bot	Dip.7
<i>Bracon (Glabrobracon) pauris</i> Beyars.	w.pal.	bot	--
<i>Bracon (Glabrobracon) picticornis</i> (Wesm.)	pal.	bot	Col.2, Dip.2, Hym.10, Lep.5
<i>Bracon (Glabrobracon) pineti</i> Thom.	pal.	bot	Col.3, Lep.3
<i>Bracon (Glabrobracon) planinotus</i> Tob.	pal.	bot	--
<i>Bracon (Glabrobracon) popovi</i> Tel.	pal.	bot	--
<i>Bracon (Glabrobracon) praecox</i> (Wesm.)	pal.	ana	Col.2, Dip.1, Hym.2, Lep.2
<i>Bracon (Glabrobracon) tekkensis</i> Tel.	pal.	bot	--
<i>Bracon (Glabrobracon) terebella</i> (Wesm.)	pal.	ana	Col. 2, Hym.1
<i>Bracon (Glabrobracon) titubans</i> (Wesm.)	pal.	ana	Col.3
<i>Bracon (Glabrobracon) tschitscherini</i> Kok.	pal.	bot	Col.1
<i>Bracon (Glabrobracon) variator</i> Nees	pal.	bot	Col.27, Dip.8, Hym.4, Lep.26
<i>Bracon (Glabrobracon) zonites</i> Marsh.	pal.	ana	--
<i>Bracon (Habrobracon) breviradiatus</i> (Tob.)	pal.	ana	--
<i>Bracon (Habrobracon) concolorans</i> Marsh	ori., pal.	bot	--
<i>Bracon (Habrobracon) crassicornis</i> Thom.	pal.	ana	--
<i>Bracon (Habrobracon) didemae</i> Beyars.	w.pal.	ana	Lep.1
<i>Bracon (Habrobracon) hebetor</i> Say	aust., pal., ethi., near., neotr., oce., ori.	bot	Col.2, Hym.2, Lep.91.
<i>Bracon (Habrobracon) kopetdagi</i> (Tob.)	pal.	bot	Col.2, Lep.1.
<i>Bracon (Habrobracon) nygmiae</i> (Tel.)	w.pal.	ana	Lep.2.
<i>Bracon (Habrobracon) pillerianae</i> (Fi.)	w.pal.	bot	--
<i>Bracon (Habrobracon) ponticus</i> Tob.	w.pal.	bot	--
<i>Bracon (Habrobracon) simonovi</i> (Kok.)	w. pal.	bot	Lep.5.

<i>Bracon (Habrobracon) stabilis</i> (Wesm.)	Near., ori., pal.	bot	Col.8, Dip.2, Lep.24.
<i>Bracon (Habrobracon) radialis</i> (Tel.)	pal.	bot	1Lep.
<i>Bracon (Habrobracon) telengai</i> (Muly.)	pal.	bot	Col.3, Lep.2 .
<i>Bracon (Habrobracon) viktorovi</i> (Tob.)	pal.	ana	--
<i>Bracon (Lucobracon) achterbergi</i> Beyars.	w.pal.	ana	--
<i>Bracon (Lucobracon) brachycerus</i> Thom.	pal.	Ana.	Col.1.
<i>Bracon (Lucobracon) brachypterus</i> Tob.	w.pal.	ana	--
<i>Bracon (Lucobracon) breviradius</i> Beyars.	w.pal.	bot	--
<i>Bracon (Lucobracon) brevitemporis</i> Tob.	pal.	bot	--
<i>Bracon (Lucobracon) byurakanicus</i> Tob.	w.pal.	ana	--
<i>Bracon (Lucobracon) concavus</i> Tob.	pal.	ana	--
<i>Bracon (Lucobracon) crassungula</i> Thom.	w.pal.	bot	--
<i>Bracon (Lucobracon) erraticus</i> (Wesm.)	ethi., pal.	bot	Col.5., Dip.5, Hym.20, Lep.12.
<i>Bracon (Lucobracon) femoralis</i> (Brullé)	pal.	bot	--
<i>Bracon (Lucobracon) filizae</i> Beyars.	w.pal.	bot	--
<i>Bracon (Lucobracon) flagellaris</i> Thom.	pal.	ana	Col.1.
<i>Bracon (Lucobracon) fortipes</i> (Wesm.)	pal.	bot	Col.2, Lep.2
<i>Bracon (Lucobracon) fumigidus</i> Szépl	pal.	bot	--
<i>Bracon (Lucobracon) grandiceps</i> Thom	pal.	bot	Lep.1.
<i>Bracon (Lucobracon) guttiger</i> (Wesm.)	pal.	bot	Col.2, Lep.2.
<i>Bracon (Lucobracon) humidus</i> Tob.	pal.	bot	--
<i>Bracon (Lucobracon) hungaricus</i> (Szépl.)	pal.	bot	Col.1.
<i>Bracon (Lucobracon) hylobii</i> Ratz.	pal.	bot	Col.6.
<i>Bracon (Lucobracon) infernalis</i> Tel.	pal.	bot	--
<i>Bracon (Lucobracon) irkutensis</i> Tel.	pal.	ana	--
<i>Bracon (Lucobracon) isiklericus</i> Beyars.	w.pal.	tra	--
<i>Bracon (Lucobracon) iskilipus</i> Beyars.	w.pal.	ana	--
<i>Bracon (Lucobracon) jakuticus</i> Tob.	pal.	bot	--
<i>Bracon (Lucobracon) kaszabi</i> Papp	pal.	bot	--
<i>Bracon (Lucobracon) kuzguni</i> Beyars.	pal.	bot	--
<i>Bracon (Lucobracon) larvicida</i> (Wesm.)	pal.	bot	--
<i>Bracon (Lucobracon) meyeri</i> Tel.	w.pal.	ana	--
<i>Bracon (Lucobracon) mirus</i> Szépl.	pal.	bot	Col.1.
<i>Bracon (Lucobracon) moczari</i> Papp	ori., pal.	bot	--
<i>Bracon (Lucobracon) pliginskii</i> Tel.	w.pal.	bot	Col.1.
<i>Bracon (Lucobracon) punctifer</i> Thom.	pal.	bot	--
<i>Bracon (Lucobracon) punctithorax</i> Tob.	pal.	bot	--
<i>Bracon (Lucobracon) radiatus</i> Tob.	pal.	ana	--
<i>Bracon (Lucobracon) roberti</i> (Wesm.)	pal.	bot	Lep.2
<i>Bracon (Lucobracon) semifusus</i> Papp	w.pal.	bot	--
<i>Bracon (Lucobracon) shestakoviellus</i> Tob.	pal.	bot	--
<i>Bracon (Lucobracon) sphaerphalus</i> Szépl.	pal.	bot	Col1, Lep.2.
<i>Bracon (Lucobracon) subhylobii</i> Tob.	w.pal.	ana	--
<i>Bracon (Lucobracon) suchorukovi</i> Tel.	pal.	bot	--
<i>Bracon (Lucobracon) surucicus</i> Beyars.	w.pal.	bot	--
<i>Bracon (Lucobracon) talyshicus</i> Tel.	w.pal.	bot	--
<i>Bracon (Lucobracon) thuringiacus</i> Schm.	pal.	ana	--
<i>Bracon (Lucobracon) triangularis</i> Nees	pal.	bot	Lep.4
<i>Bracon (Osculobracon) bilgini</i> Beyarsl	w.pal.	ana	--
<i>Bracon (Osculobracon) cingulator</i> Szépl	pal.	ana	--
<i>Bracon (Osculobracon) ciscaucasicus</i> Tel.	pal.	bot	--
<i>Bracon (Osculobracon) erzurumiensis</i> Beyars	w.pal.	bot	--
<i>Bracon (Osculobracon) osculator</i> Nees	ori., pal.	bot	Lep.30
<i>Bracon (Pigeria) piger</i> (Wesm.)	near. pal.	Bot.	Col.1, Lep.4
<i>Ceratobracon stschegolevi</i> (Tel.)	w.pal.	bot	1 Hym.
<i>Coeloides abdominalis</i> (Zet.)	pal.	bot	Col.20.Dip.1 Lep.1
<i>Coeloides foersteri</i> Haesel.	w.pal.	bot	Col. 5.
<i>Coeloides sordidator</i> (Ratz.)	pal.	ana	Col.13.
<i>Glyptomorpha (Glyptomorpha) discolor</i> (Thunb.)	pal.	bot	--
<i>Glyptomorpha (Glyptomorpha) dispar</i> Tob.	w.pal.	ana	--
<i>Glyptomorpha (Glyptomorpha) elector</i> (Kok.)	pal.	ana	--
<i>Glyptomorpha (Glyptomorpha) exsculpta</i> Shest.	pal.	bot	--
<i>Glyptomorpha (Glyptomorpha) gracilis</i> (Szépl.)	pal.	bot	--
<i>Glyptomorpha (Glyptomorpha) kasparyani</i> Tob.	pal.	tra	--

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<i>Glyptomorpha (Glyptomorpha) pectoralis</i> (Brul.)	ethio., ori., pal.	bot	Col.5.
<i>Glyptomorpha (Glyptomorpha) sicula</i> (Mars,)	w.pal.	bot	--
<i>Iphiaulax (Euglyptobracon) bicolor</i> (Tel.)	w.pal.	ana	--
<i>Iphiaulax (Euglyptobracon) impeditor</i> (Kok)	pal.	□ a	--
<i>Iphiaulax (Euglyptobracon) tauricus</i> Shest.	pal.	bot	--
<i>Iphiaulax (Iphiaulax s.str.) fastidiator</i> (Fabr.)	afro., w.pal.	ana	Col.1.
<i>Iphiaulax (Iphiaulax s.str.) impostor</i> (Scop)	afro., ori., pal.	bot	Col.15. Lep.1
<i>Iphiaulax (Iphiaulax s.str.) jacobsoni</i> Shes	pal.	ana	--
<i>Iphiaulax (Iphiaulax s.str.) jakowlewi</i> (Kok.)	pal.	ana	--
<i>Iphiaulax (Iphiaulax s.str.) mactator</i> (Klug.)	pal.	ana	Col.1.
<i>Iphiaulax (Iphiaulax s.str.) potanini</i> (Kok.)	pal.	ana	Col.1.
<i>Pseudovipio baeticus</i> (Spin	w.pal.	ana	Lep.1.
<i>Pseudovipio barchanicus</i> (Tel.)	pal.	ana	--
<i>Pseudovipio castrator</i> (Fabr.)	Afro., pal.	bot	Col.3.Lep.1
<i>Pseudovipio gorgoneus</i> (Mars)	w.pal.	ana	--
<i>Pseudovipio guttiventris</i> (Thom.	pal.	ana	Col.3
<i>Pseudovipio inceptor</i> (Nees)	pal.	bot	Lep.1
<i>Pseudovipio minutus</i> (Tel.)	pal.	ana	--
<i>Pseudovipio tataricus</i> (Kok.)	pal.	ana	Col.1 Lep.1
<i>Pseudovipio umbraculator</i> (Nees)	pal.	bot	--
<i>Vipio (Vipio s.str.) alpi</i> Beyarsl	w.pal.	ana	--
<i>Vipio (Vipio s.str.) appellator</i> (Nees)	pal.	bot	Col.2.
<i>Vipio (Vipio s.str.) humerator</i> (Costa.)	pal.	bot	--
<i>Vipio (Vipio s.str.) illusor</i> (Klug.)	pal.	ana	--
<i>Vipio (Vipio s.str.) insectator</i> Kok.	pal.	bot	--
<i>Vipio (Vipio s.str.) lalapasaensis</i> (Beyars.)	pal.	ana	--
<i>Vipio (Vipio s.str.) longicauda</i> (Boh.)	pal.	bot	Lep.4.
<i>Vipio (Vipio s.str.) mlokoszeviczi</i> Kok.	pal.	ana	--
<i>Vipio (Vipio s.str.) nomioides</i> Shest.	pal.	bot	---
<i>Vipio (Vipio s.str.) simulator</i> Kok	pal.	ana	--
<i>Vipio (Vipio s.str.) shestakovi</i> Tel.	pal.	ana	--
<i>Vipio (Vipio s.str.) tentator</i> (Rossi.)	pal.	bot	Col.1.
<i>Vipio (Vipio s.str.) terrefactor</i> (Vill.)	pal.	bot	Col.1.

Discussion

Two hundred two species belonging to 9 genera were compiled by taxonomic studies on Braconinae (Hymenoptera, Braconidae) Fauna in 78 provinces of Turkey. Seventynine of these species are distributed only in Asian Turkey, 3 in European Turkey and 119 in both regions (Figure 1).

Table 2. The genera and number of Braconinae species known in the fauna of Turkey

<i>Atanycolus</i> Foerst.	4
<i>Baryproctus</i> Ashm.	1
<i>Bracon</i> Fabr.	155
<i>Ceratobracon</i> Tel.	1
<i>Coeloides</i> Wesm.	3
<i>Glyptomorpha</i> Holm.	8
<i>Iphiaulax</i> Foers.	9
<i>Pseudovipio</i> Szépl.	9
<i>Vipio</i> Latr.	13

The distribution of species according to zoogeographic regions is as follows. Afrotropical, Oriental, and

Palearctic =1; Afrotropical and Palearctic=4; Australasian, Palearctic, Ethiopian, Nearctic, Neotropical, and Oriental. =1; Eastern palearctic=2; Ethiopian, Oriental and Palearctic=1; Ethiopian, Oriental and Palearctic =1; Ethiopian and Palearctic =1; Nearctic, Oriental and Palearctic =1; Palearctic =1; Oriental and Palearctic =9; Palearctic=128; Palearctic and Nearctic=1; Westrn palearctic=50. The most common species is *B. (H.) hebetor* Say. It was recorded from Australasian, Palearctic, Ethiopian, Nearctic, Neotropical, Oceanic, Oriental regions, and was introduced into Burkina Faso, China-Taiwan, Fiji, India, Mali, Niger and Trinidad and Tobago countries to be used in biological control of plant pest of Coleoptera, Hymenoptera and Lepidoptera species. Because *B. (H.) hebetor* uses 2 coleopter, 2 hymenopter and 74 lepidopter plant pest species as hosts. There are other Braconinae species used for biological control of plant pests: *B. (B.) variegator* Spin. was introduced into New Zealand and Canada of U.S.A. for 1 Coleoptera and 15 Lepidoptera plant pest species. *B. (G.) terebella* (Wesm.), was introduced into Canada-Ontario, Montana & North Dakota of U.S.A. for pest species of 2 Coleoptera and 1 Hymenoptera. *B. (H.) stabilis* (Wesm.)

was introduced into Oregon of U.S.A. Because this species is a parasitoid of 7 Coleoptera, 2 Diptera and 23 Lepidoptera plant pest species. *Bracon (Pigeria) piger* (Wesm.) for biocontrol of 1 Coleoptera and 2 Lepidoptera pest species introduced into Puerto Rico, U.S.A.-California, U.S.A.-Oregon.

With this study, the native Braconid enemies of pests entering Turkey from other fauna areas were compiled. *Tuta absoluta* (Meyrick, 1917) (Lepidoptera: Gelechiidae) was detected in Turkey in 2009. This pest causes damage

by eating all other parts of the tomato plant, except the roots. It gives in the greenhouses 10-12 generations and outside the greenhouse 5-6. The species recorded as Turkey native Braconinae parasitoids of *T. absoluta* are as follows: *Bracon (Habrobracon) concolorans* Marsh., *B. (H.) didemae* Beyars., *B. (H.) hebetor* Say, *Bracon* (s. str.) *intercessor* Nees and *B. (s.str.) variegator* Spin. (Altun & Çıkman, 2019; Aslan et al., 2017, Bayram et al., 2014; Doğanlar & Yiğit, 2011; Erdoğan et al., 2014; Erler et al., 2010; Karut et al., 2011, 2023; Kılıç, 2010).

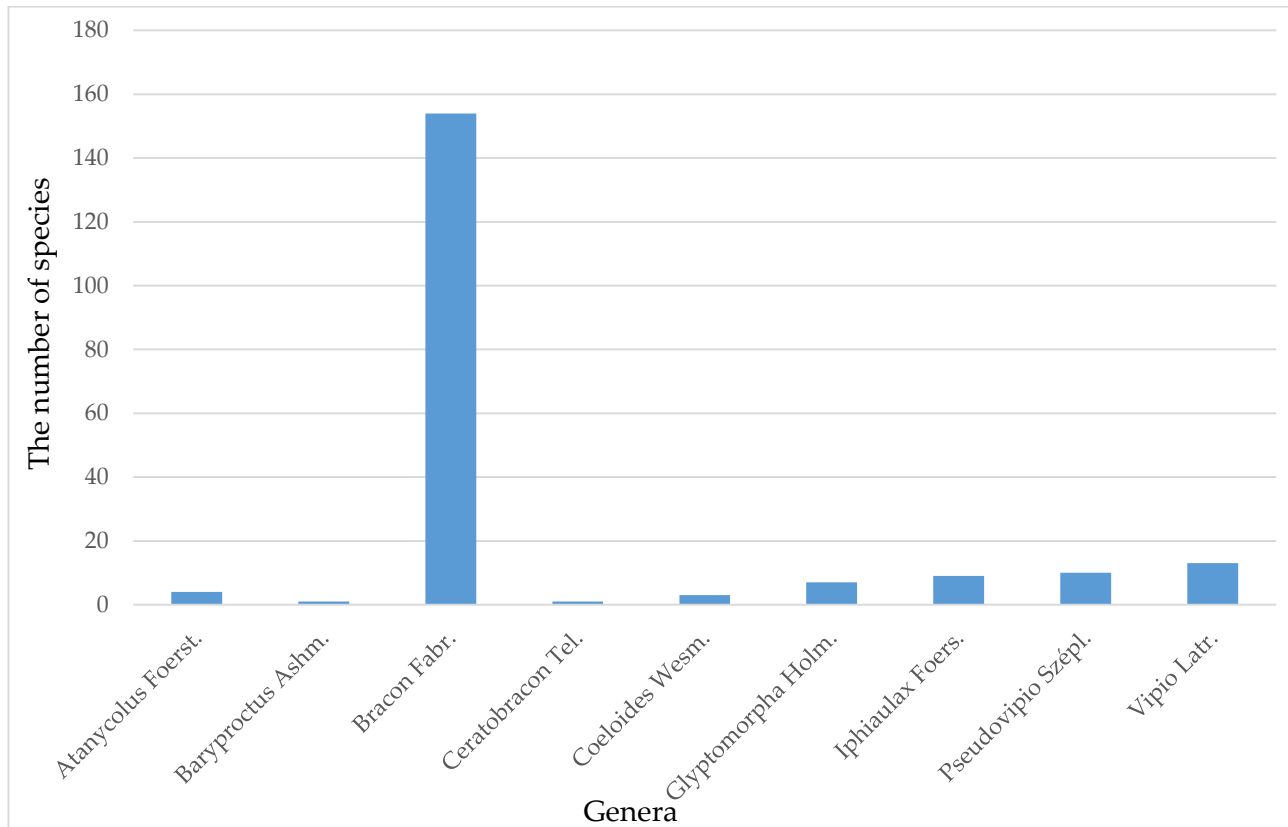


Figure 2. The genera and number of Braconinae species known in the fauna of Turkey 2017; Mamay & Yanık, 2012; Portakaldalı et al., 2013; Tatlı & Göçmen, 2019; Topakci et al., 2022; Ünlü, 2012). So far, 5 Braconinae parasitoid species of *T. absoluta* have been recorded in Turkey. The distribution of these species by province is as follows. *B. (H.) concolorans* 31, *B. (H.) didemae*, *B. (H.) hebetor* 42, *Bracon* (s. str.) *intercessor* 56 and *B. (s.str.) variegator* 42 provinces.

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Ethical Approval

No need to ethical approve for this study.

Conflicts of Interest

The author declares that has no conflict of interest.

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