

TWO SUBSPECIES OF *DORCADION INFERNALE* MULSANT & REY, 1863 FROM TURKEY (COLEOPTERA: CERAMBYCIDAE)

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[Özdikmen, H. & Koçak, Ö. 2016. Two subspecies of *Dorcadion infernale* Mulsant & Rey, 1863 from Turkey (Coleoptera: Cerambycidae). *Munis Entomology & Zoology*, 11 (2): 477-481]

ABSTRACT: The following new subspecies are described: *Dorcadion infernale costatidorsum* ssp. nov. from Ankara province, and *Dorcadion infernale luteosutura* ssp. nov. from Karaman province.

KEY WORDS: Cerambycidae, Dorcadionini, *Dorcadion infernale*, new subspecies, Turkey

Tribe DORCADIONINI Swainson, 1840

Genus DORCADION Dalman, 1817: 397

[type species *Cerambyx glycyrrhizae* Pallas, 1773]

Subgenus CRIBRIDORCADION Pic, 1901: 12

[type species *Dorcadion mniszehi* Kraatz, 1873]

Dorcadion infernale Mulsant & Rey, 1863

(Fig. 1)

Dorcadion infernale Mulsant & Rey, 1863: 158

Type information: Holotype, ex collection Petri Pellet, Muséum d'Histoire Naturelle de Perpignan (Tavakilian, 2016).

The species was described by Mulsant & Rey (1863) from “La Perse” [undoubtedly mislabeled, should be Turkey (very likely Eskişehir province: Bozdağ)]. It is an endemic species to Turkey. It is known from Amasya, Ankara, Antalya, Balıkesir, Bilecik, Burdur, Çorum, Diyarbakır, Eskişehir, İçel, İzmir, Kahramanmaraş, Karaman, Kırklareli, Konya, Kütahya, Niğde, Sivas, Uşak provinces (Bodemeyer, 1900, 1906; Breuning, 1947, 1962, 1966, 1970; Demelt, 1963; Braun, 1978; Önalp, 1990; Adlbauer, 1992; Özdikmen & Hasbenli, 2004; Özdikmen, 2006, 2010, 2012; Özdikmen et al., 2009; Sama, et al., 2012; Şenyüz & Özdikmen, 2013; Özdikmen & Koçak, 2015) (Map. 1).

This species includes 4 subspecies as the nominate subspecies, *Dorcadion infernale asperatum* Breuning, 1947 from Diyarbakır province in South-Eastern Anatolia of Turkey, *Dorcadion infernale edremitense* Breuning, 1966 from Balıkesir province in North-Western Anatolia of Turkey, and *Dorcadion infernale miminfernale* Breuning, 1970 from Kahramanmaraş province in Central part of South Anatolia of Turkey.

These subspecies with the type information according to Tavakilian (2016) are presented as follows:

D. infernale Mulsant & Rey, 1863: 158

D. infernale asperatum Breuning, 1947: 169 (Holotype ♀, ex collection S. Breuning, Muséum d'Histoire Naturelle de Genève) [type locality "Diyarbakır" (Turkey)] **A: TR**

D. infernale edremitense Breuning, 1966: 20 (Holotype ♂, Institut Royal des Sciences Naturelles de Belgique) [type locality "Edremit" (Turkey: Balıkesir)] **A: TR**

D. infernale infernale Mulsant & Rey, 1863: 158 (Holotype, ex collection Petri Pellet, Muséum d'Histoire Naturelle de Perpignan) [type locality "La Perse" undoubtedly mislabeled, should be Turkey] **E: TR A: TR**

rugosum J. Thomson, 1867: 46 [?Russia: Siberia]

revestitum K. Daniel, 1900: 140 (*Dorcadion infernale* var.) [Turkey]

immutatum Pic, 1903: 171 (*Dorcadion infernale* var.) [Turkey: İzmir: Bozdağ]

costidorsum Heyrovský, 1932: 103 (*Dorcadion infernale* ab.) [Turkey: Eskişehir]

subrevestitum Breuning, 1946: 115 (*Dorcadion infernale* m.) [Turkey: Bilecik]

murinum Breuning, 1946: 115 (*Dorcadion infernale* m.) [Turkey: İzmir: Bozdağ]

irrevestitum Breuning, 1946: 115 (*Dorcadion infernale* m.) [Turkey: Bilecik]

D. infernale miminfernale Breuning, 1970: 98 (Holotype ♂, Muséum National d'Histoire Naturelle de Paris [type locality "Binboğa Mts.: Göksun env." (Turkey: Kahramanmaraş)] **A: TR**

The number of subspecies of *D. infernale* Mulsant & Rey, 1863 rises up to 6 with two new subspecies that are described here. Type localities of all subspecies are shown in Map 2.

***Dorcadion infernale costatidorsum* ssp. nov.**

(Fig. 2)

Holotype ♀: Turkey: Konya province, Ankara-Konya road 84th km (province border of Ankara and Konya), Kulu, Kömüşini village env., 18.II.2016, leg. Ö. Koçak. The specimen is deposited in collection of Özgür Koçak (Turkey: Karaman).

Body length: 16.5 mm.

The new subspecies from Konya province differs from other subspecies by the following characters:

- Upperside almost completely black – practically bald, but only with the exception of a short sutural stripe of whitish hairs on posterior part of elytra.
- Elytra with two distinct costae (as a humeral and a dorsal costae) on basal half.
- Humeral margin of elytra carinated.
- Antennae with black hairs completely.

***Dorcadion infernale luteosutura* ssp. nov.**

(Fig. 3)

Holotype ♂: Turkey: Karaman province, Ayrancı, 2016, 2000 m, leg. Ö. Koçak. The specimen is deposited in collection of Özgür Koçak (Turkey: Karaman).

Body length: 14 mm.

The new subspecies from Karaman province differs from other subspecies by the following characters:

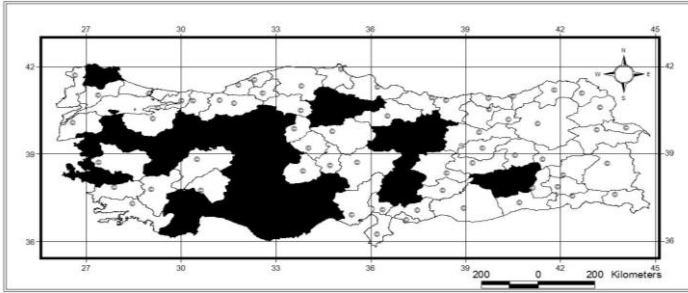
- Elytra with a complete sutural band of yellow hairs.
- Upperside relatively smaller and sparser punctured.
- First two and basal part of third of antennal segments with yellowish-white hairs.
- Pronotum only on basal part with a very short median stripe of white hairs.

ACKNOWLEDGEMENT

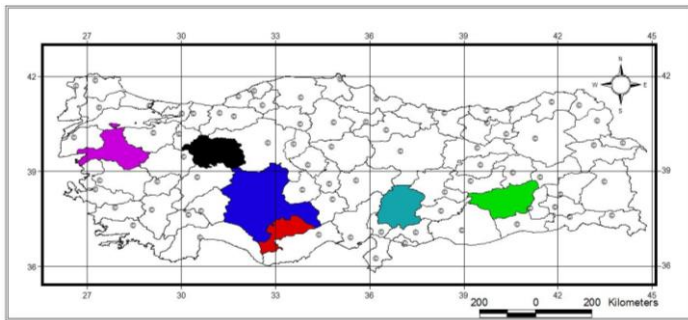
I would like to thank M. Danilevsky (Moscow, Russia).

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Map 1. Distribution patterns of *Dorcadion infernale*.



Map 2. Type localities of all subspecies of *Dorcadion infernale*. *D. infernale asperatum* Breuning, 1947 from Diyarbakır (light green), *D. infernale costatidorsum* ssp. nov. (blue), *D. infernale edremitense* Breuning, 1966 from Balıkesir (pink), *D. infernale infernale* Mulsant & Rey, 1863 from Eskişehir (black), *D. infernale luteosutura* ssp. nov. (red), *D. infernale miminfernale* Breuning, 1970 from Kahramanmaraş (turquoise blue).



Figure 1. *Dorcadion infernale infernale* Mulsant & Rey, 1863 from Kütahya province (♂).



Figure 3. *Dorcadion infernale costatidorsum* ssp. nov. (holotype ♀).



Figure 3. *Dorcadion infernale luteosutura* ssp. nov. (holotype ♂).