Italian Dermestidae: notes on some species and an updated checklist (Coleoptera)

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Abstract

An up-to-date checklist of the Italian Dermestidae is provided. The presence of 95 species in Italy is confirmed, while further 5 species (Dermestes (Dermestes) vorax Motschulsky, 1860, Thorictus pilosus Peyron, 1857, T. wasmanni Reitter, 1895, Attagenus (Attagenus) simonis Reitter, 1881 and Globicornis (G.) breviclavis (Reitter, 1878)) and 1 subspecies (A. (A.) tigrinus pulcher Faldermann, 1835) are excluded from the Italian fauna.

Attagenus (Attagenus) calabricus Reitter, 1881 and A. (A.) lobatus Rosenhauer, 1856 are for the first time recorded from Abruzzi and Tuscany respectively; A. (A.) silvaticus Zhantiev, 1976 is recorded for the first time from mainland Italy (Apulia); Anthrenus (Anthrenus) angustefasciatus Ganglbauer, 1904 is new to northern Italy (Friuli-Venezia Giulia), central Italy (Tuscany), Apulia and Basilicata; A. (A.) muuroi Hinton, 1943 is new to central Italy (Elba Island); A. (A.) delicatus Kiesenwetter, 1851 is for the first time recorded from Apulia; Globicornis (Globicornis) fasciata (Fairmaire & Brisout de Barneville, 1859) is new to southern Italy (Basilicata); G. (Hadrotoma) sulcata (C.N.F. Brisout de Barneville, 1866) is for the first time recorded from central Italy (Abruzzi), Campania and Sicily, while Trogoderma inclusum LeConte, 1854 is new to Apulia.

Seven species (Dermestes (Dermestes) peruvianus Laporte de Castelnau, 1840, D. (Dermestinus) carnivorus Fabricius, 1775, D. (Dermestinus) hankae Háva, 1999, D. (Dermestinus) intermedius intermedius Kalík, 1951, D. (Dermestinus) szekessyi Kalík, 1950, Anthrenus (Anthrenops) coloratus Reitter, 1881 and Trogoderma angustum (Solier, 1849)) recently recorded from Italy (without further details) are discussed.
The lectotype and a paralectotype are designated for *Attagenus* (A.) *calabricus* Reitter, 1881 from Calabria. *Attagenus pellio* (Linnaeus, 1758) var. *pilosissimus* Roubal, 1932 is removed from synonymy with *A.* (A.) *pellio* and recognized as a valid species (*stat. prom.*); it is known from Lombardy, Apulia and Calabria.

**Keywords**
Dermestidae, lectotype designation, new status, taxonomy, distribution, new records, chorotypes, checklist, Italy

**Introduction**

The main purpose of the present paper is to enhance knowledge of the Dermestidae of Italy. It is chiefly based on material collected by the staff of the Centro Nazionale per lo Studio e la Conservazione della Biodiversità Forestale “Bosco Fontana” di Verona (Italy), during entomological surveys in various Italian Protected Areas (e.g. Cerretti et al. 2003, Mason et al. 2006, Nardi and Vomero 2007, Cerretti et al. 2009, Nardi et al. 2011). Moreover, this paper gives an opportunity to provide a new checklist of the Dermestidae of Italy: it updates the nomenclature, systematics and the faunistic of the previous (Audisio et al. 1995) chiefly according to recent capital works (Háva 2007, Zhantiev 2011a, Háva 2011a).

**Material and methods**

This paper is organized in three sections: “Notes on some species”, “Literature records” and “A new checklist of the Dermestidae of Italy”.

The classification of the subfamilies, tribes, genera and subgenera follows that proposed by Háva (2004, 2007); species are listed alphabetically according to the nomenclature of Háva (2007), Kadej et al. (2007), Háva (2008), Zhantiev (2009) and Háva (2011a).

The first section is based chiefly on study of new material. With very few exceptions, identifications were made by J. Háva.

The second section summarizes the literature data updating the Italian distribution of the species provided by Audisio et al. (1995) or by Háva and Nardi (2011).

In both sections, nomenclatural combinations and possible synonyms (listed chronologically-alphabetically) found in the literature that includes Italian records are provided below the valid name of each species or subspecies.

The first section concerns 25 species. As far as possible, the following data are provided for each record: region, province, general area and/or commune, locality of collection, altitude, UTM coordinates, date of collection, collector/s, collecting method, possible research project, number of specimens, and, in parentheses, abbreviation of depository. The labels of the examined specimens are generally written in Italian; hereunder, the regions and the collecting methods were translated into English. The label
data of type specimens are cited verbatim between quotation marks, a forward slash separating the different lines on a label, and a comma separating subsequent labels. Comments and interpretations are given in square brackets.

The mainland Italian regions are listed from north to south, and from west to east, all toponyms are listed alphabetically. Chorotypes were assigned according to Vigna Taglianti et al. (1993, 1999) and based on the distributions provided by Háva (2003, 2007, 2011b), Zhantiev (2009, 2011a, 2011b) and Háva et al. (2013), unless otherwise stated.

In the second section, the literature records updating the checklist of Dermestidae of Italy provided by Audisio et al. (1995) or by Háva and Nardi (2011) are detailed. These new faunistic data are based on papers subsequent to these two papers but also include some previously overlooked publications. These records concern 14 species. The data on distribution are listed according to the geographic divisions by Audisio et al. (1995): northern Italy (N), peninsular Italy (S), Sardinia and small circum-Sardinian islands (Sa) and Sicily and small circum-Sicilian islands (Si).

Finally, a new checklist of the Italian Dermestidae is provided (Table 1). The total number of species for each geographic division includes only those recorded with certain, so generic records for “Italy” and records followed by a question mark are excluded.

Acronyms for chorotypes follow Vigna Taglianti et al. (1993, 1999), while those for the geographic divisions of Italy follow Audisio et al. (1995); both are included in the foreword of the checklist.

The following abbreviations are used in the text: dint. = dintorni = environs; env. = environs; ex = specimen/s; FA = F. Angelini leg.; FEI = Forum Entomologi Italiani (http://www.entomologiitaliani.net); Fraz. = Frazione = hamlet; GC = G. Scaglioni leg.; GNP = Gargano National Park; leg. = legit or legerunt; PC = P. Cornacchia leg.; Prog. = Progetto = Project; prov. = province; sn = sweep net.

**Acronyms of specimen depositories**

**AHG**  
Andreas Herrmann private collection, Stade, Germany

**CNBFVR**  
Centro Nazionale per lo Studio e la Conservazione della Biodiversità Forestale “Bosco Fontana” di Verona, Sede di Bosco Fontana. Marmirolo (Mantua), Italy

**GNAC**  
Gianluca Nardi private collection, Cisterna di Latina (Latina), Italy

**HNHM**  
Hungarian Natural History Museum, Budapest, Hungary

**JHAC**  
Private Entomological Laboratory and Collection, Jiří Háva, Prague-west, Czech Republic

**MCZR**  
Museo Civico di Zoologia, Rome, Italy

**MZUF**  
Museo di Storia Naturale, Sezione di Zoologia, Università di Firenze, Florence, Italy

**PCOP**  
Paolo Cornacchia private collection, Porto Mantovano (Mantua), Italy
Notes on some species

*Dermestes* (*Dermestes*) *peruvianus* Laporte de Castelnau, 1840
http://species-id.net/wiki/Dermestes_peruvianus

*Dermestes peruvianus* Laport.: Bertolini 1904: 58.
*Dermestes peruvianus* Casteln.: Luigioni 1929: 1024; Porta 1929: 301.
*Dermestes* (*Dermestes*) *peruvianus* Castelnau, 1840: Plata-Negrache 1972: 150; Zhantiev 2011a.
*Dermestes* (*Dermestes*) *peruvianus* Laporte de Castelnau, 1840: Audisio et al. 1995: 12, 16; Háva 2007: 300.
*Dermestes peruvianus* Laporte de Castelnau: Pollini 1998: 909.

**Material examined.** [Latium: Roma province,] Roma env., [no other data,] 1 ex (JHAC).

**Chorotype.** Subcosmopolitan (Háva 2007). This species is also recorded from Portugal (Grosso-Silva and Serrano 2000) and Switzerland (Kenis 2005, Zhantiev 2011a). Both countries must be added to the European distribution summarized by Háva (2007), while the former country must also be added to those provided by Zhantiev (2011a).

**Italian distribution.** Italy? (Bertolini 1904, Luigioni 1929, Porta 1929). Italian mainland? (Audisio et al. 1995). Italy (without further details) (Plata-Negrache 1972, Háva 2007). Italian mainland (Zhantiev 2011a).

**Remarks.** Species described from Peru (cf. Háva and Kalík 2005); the first precise record from Italy is shown above.

Domenichini et al. (1993: 272) wrote that this species is *common in food factories* and was reared experimentally in an insectarium in Piacenza University (northern Italy), but the place of origin of this captive population is not mentioned. This species, and *D. (Dermestinus) carnivorus* Fabricius, 1775 (see below), are also considered in an Italian manual of applied entomology (Pollini 1998), but no records from Italy are listed therein.

*Dermestes* (*Dermestinus*) *carnivorus* Fabricius, 1775
http://species-id.net/wiki/Dermestes_carnivorus

*Dermestes carnivorus* Fabricius: Pollini 1998: 906.
*Dermestes* (*Dermestinus*) *carnivorus* Fabricius, 1775: Háva 2007: 300; Zhantiev 2011a.

**Material examined.** Tuscany: Firenze [= Florence], V.1948, [no collector,] 1 ♀ (JHAC).

**Chorotype.** Cosmopolitan (cf. Háva 2007).

**Italian distribution.** Italy (without further details) (Háva 2007). Italian mainland (Zhantiev 2011a).
**Remarks.** Pollini (1998: 906) wrote about this species that *si è acclimatato in Europa e in India [= it is naturalized in Europe and India]*, but no Italian locality was mentioned. The above generic Italian record by Háva (2007), was based on the above specimen.

*Dermestes (Dermestes) vorax* Motschulsky, 1860
http://species-id.net/wiki/Dermestes_vorax

*Dermestes vorax* Motschulsky, 1860: Denux and Zagatti 2010: 357.
*Dermestes (Dermestes) vorax* Motschulsky, 1860: Háva and Nardi 2011: 408.

**Material examined.** None.

**Chorotype.** Asiatic (Háva 2003, 2007). This species was introduced to the coastal Croatia (Depoli 1928, Luigioni 1929, Porta 1934, all as *D. vorax* Motsch.), but this record was later ignored (Mróczkowski 1968, Háva 2003, 2007, Zhantiev 2011a).

**Italian distribution.** Italy (without further details) (Denux and Zagatti 2010).

**Remarks.** Denux and Zagatti (2010) wrote that an Italian record of this species was provided by Lohse (1979) and Háva (2003), but in these papers this species is not recorded from this country. Moreover, a recent record from “Italy” (http://www.dermestidae.wz.cz/main.html; http://www.dermestidae.com/index.html) is erroneous since concerns a dark specimen of *D. (Dermestes) lardarius* Linnaeus, 1758 (Hava, unpublished data), so it was ignored by Háva and Nardi (2011).

*Dermestes (Dermestinus) hankae* Háva, 1999
http://species-id.net/wiki/Dermestes_hankae

*Dermestes (Dermestinus) hankae* Háva, 1999: Háva 2007: 301.
*Dermestes (Dermestinus) hankai* [sic!] Háva, 1999: Zhantiev 2011a.

**Material examined.** Italy mer. [= southern Italy], [no other data], 1 ♀ (JHAC).

**Chorotype.** W-Mediterranean: Spain, France, Italy and Algeria (Háva 2007, Prieto and Háva 2013).

**Italian distribution.** Italy (without further details) (Háva 2007). Italian mainland (Zhaitiev 2011a).

**Remarks.** Species described from southern France (Háva 1999: 143); the generic record for Italy (Háva 2007) was based on the above specimen.

The specific name (*hankae*) is correct (ICZN 1999, art. 31.1.2), so the name *hankai* is only a subsequent incorrect spelling.

This species is very similar to *D. (Dermestinus) pardalis* Billberg, 1808 (Háva 1999, Herrmann and Bahillo de la Puebla 2003, Prieto and Háva 2013); the re-examination of specimens attributed to it could provide additional records of *D. (Dermestinus) hanka- eae*. In Italy, *D. (Dermestinus) pardalis* is recorded from Sardinia (cf. Háva and Nardi
2011), generically from mainland Italy (Zhartiev 2011a), and from a non-specified locality of the northern mainland (Giachino 1982: 360, as *D. thoracicus* Dejean[, 1821 (nomen nudum)]), but this record, based on very old specimens, should be confirmed.

**Dermestes** (*Dermestinus*) *intermedius intermedius* Kalík, 1951

http://species-id.net/wiki/Dermestes_intermedius_intermedius

*Dermestes* (*Dermestinus*) *intermedius intermedius* Kalík, 1951: Háva 2003: 18; Háva 2007: 301.

*Dermestes* (*Dermestinus*) *intermedius* Kalík, 1951: Zhartiev 2011a.

**Material examined.** None.

**Chorotype.** Turano-European reaching only as far as (*D. (D.) intermedius iranicus* Háva & Kalík, 1999) Iran, Iraq and Syria eastward (cf. Háva 2007, Háva et al. 2011).

**Italian distribution.** Italy (without further details) (Háva 2003, 2007). Italian mainland (Zhartiev 2011a).

**Remarks.** The above generic Italian records by Háva (2003, 2007) were based on a personal communication of V. Kalík, who identified an Italian specimen; unfortunately, no further details are available (Háva, unpublished data).

**Dermestes** (*Dermestinus*) *szekessyi* Kalík, 1950

http://species-id.net/wiki/Dermestes_szekessyi

*Dermestes* (*Dermestinus*) *szekessyi* Kalík, 1950: Háva 2007: 302; Zhartiev 2011a.

**Material examined.** None.

**Chorotype.** Sibero-European (cf. Háva 2003, 2007, Háva et al. 2011, Zhartiev 2011a).

**Italian distribution.** Italy (without further details) (Háva 2007). Italian mainland (Zhartiev 2011a).

**Remarks.** The above generic Italian record of Háva (2007) was based on a personal communication of V. Kalík, who identified an Italian specimen; unfortunately, no further details are available (Háva, unpublished data).

**Dermestes** (*Montandonia*) *olivieri* Lepesme, 1939

http://species-id.net/wiki/Dermestes_olivieri

*Dermestes* *ater* Oliv. [= Olivier, 1790]: Ghiliani 1842: 33; Ghiliani 1847: 93; Rei- che 1860: 720; Ghiliani 1887: 310; Bertolini 1890: 196; Iehl 1909: 26; Luigio-
ni 1929: 537; Porta 1929: 301; Gridelli 1949: 176; Horion 1955: 197; Faggioli 1956: 174; Gulli 1961: 4.

*Dermestes ater* Ol.: Villa and Villa 1844: 38 [444]; Rottenberg 1870: 238; Steck 1887: 181; Ragusa 1892: 203; Bertolini 1904: 58; Vitale 1904: 75; Holdhaus 1911: 445; Panganetti-Hummler 1918: 87; Zangheri 1969: 1334.

*Dermestes ater* Olivier: Giachino 1982: 361.

*Dermestes olivieri* Lep.: Angelini 1986: 74; Angelini and Montemurro 1986: 573; Angelini 1987: 38; Angelini 1991: 206.

*Dermestes (Dermestes) olivieri* Lepesme, 1939: Audisio et al. 1995: 12; Bordoni et al. 2006: 60; FEI 2011.

*Dermestes ater* Degeer, 1774 [sic!]: Sapuppo 2002: 189.

*Dermestes (Montandonia) olivieri* Lepesme, 1939: Háva and Nardi 2011: 416.

**Material examined.** Apulia: Foggia prov., [GNP,] Mattinata, strada per M.te Sacro [= road to Mount Sacro], Masseria Vaira dint., 613 m, 33T 584160 4821825, 24.V.2010, I. Toni leg., sn on *Ferula communis* [(Apiaceae)], Prog. Foresta Umbra, 1 ex (CNBFVR); Taranto prov., Ginosa Marina, VIII.1985, P. Abbazzi leg., 2 ex (MZUF). Tuscan: Arezzo [prov.], Cavriglia, [Fraz.] Montegonzi, 16.V.1991, Lisa leg., 1 ex (MZUF); [Arezzo prov.] Ris. Nat. [= Riserva Naturale = Nature Reserve] “Valle Inferno-Bandel-la”, Casa Giardino, 8.V.1998, L. Bartolozzi, B. Cecchi A. & Sforzi leg., 1 ex (MZUF); [Firenze prov.,] Firenze [= Florence], V.1896, ex-coll. Beccari, 1 ex (MZUF); Firenze prov., Greve [in Chianti], [Fraz.] Strada in Chianti, 20.I.1957, A. Bandinelli leg., 1 ex (MZUF); [Grosseto prov.,] Parco Naturale della [= Natural Park of] Maremma, Mti [= Monti = Mounts] dell’Uccellina, S. Rabano, X.1988, L. Bartolozzi leg., 4 ex (MZUF).

**Chorotype.** Turano-European with extension to Tunisia (cf. Háva 2007, Háva and Herrmann 2009, 2011, Háva et al. 2011, Háva and Nardi 2011).

**Italian distribution.** All of Italy, Sicily and Sardinia (cf. Bertolini 1904, Luigioni 1929, Horion 1955, Audisio et al. 1995, Háva and Nardi 2011). These generic distributional data are most likely correct; nevertheless, precise records are known only from the following regions: Trentino (Bertolini 1890), Lombardy (Villa and Villa 1844, Giachino 1982), Piedmont (Ghiliani 1847, 1887), Aosta Valley (Iehl 1909), Romagna (Zangheri 1969), Tuscany (Bordoni et al. 2006), Latium (Horion 1955, FEI 2011), Abruzzi (Horion 1955), Apulia (Holdhaus 1911, Panganetti-Hummler 1918, Gridelli 1949, Horion 1955, Faggioli 1956, Angelini 1987), Basilicata (Angelini 1986, Angelini and Montemurro 1986), Calabria (Angelini 1991), Sicily (Ghiliani 1842, Rottenberg 1870, Steck 1887, Ragusa 1892, Vitale 1904, Luigioni 1929, Horion 1955, Audisio et al. 1995), and Sardinia (cf. Háva and Nardi 2011).

**Remarks.** New collecting sites from Tuscany and Apulia. In Tuscany, the species was formally recorded from a sole locality (Bordoni et al. 2006); it is also for the first time recorded here from a nature reserve, of which the beetle-fauna is well known (cf. Zinetti and Terzani 2009). The species was already known from Apulia, from various localities, including the Gargano National Park (see the references above).
Sapuppo (2002) recorded *Dermestes ater* DeGeer, 1774 from two Sicilian localities based on specimens collected by A. Gulli and identified by A. Porta. The data from a locality are exactly the same as those of “*Dermestes ater* Oliv.” provided by Gulli (1941), and thus, both sites are attributed here to *D. (Montandonia) olivieri*; the homonymy (*D. ater* DeGeer and *D. ater* Oliver) was very probably the cause of the error of Sapuppo (2002). *Dermestes (Dermestes) ater* DeGeer is a cosmopolitan species, but in Italy it is known from some northern regions only (Luigioni 1929: 537, as *D. (Dermestes) cadaverinus* Fabr. [= Fabricius, 1775], Minelli and Negrisolo 1993: 92, as *D. ater* Degeer, Audisio et al. 1995: 12, as *D. (Dermestes) ater* Degeer).

*Thorictus pilosus* Peyron, 1857
http://species-id.net/wiki/Thorictus_pilosus

*Thorictus pilosus* Peyron, 1857: Audisio et al. 1995: 12.

**Material examined.** None.

**Chorotype.** Turanian-E-Mediterranean: Cyprus, Egypt, Greece, Iraq, Israel, Lebanon, Libya, Syria, Tunisia, Turkey and Uzbekistan (John 1963, Löbl 2007).

**Italian distribution.** “S?” [= peninsular Italy?] (Audisio et al. 1995).

**Remarks.** The above doubtful record for peninsular Italy has already been ignored by other authors (Löbl 2007, Zhantiev 2011a); this species is excluded from Italy here, since when considering its geographical distribution, its occurrence in this country is improbable. A doubtful record from Corsica (cf. Bertolini 1874: 96, as *T. piliger* Schaum[, 1858], Luigioni 1929: 1022, as *T. pilosus* Peyr., Porta 1929: 204, as *T. pilosus* Peyron) has also never been confirmed (Löbl 2007, Zhantiev 2011a), and must be referred to *T. grandicollis grandicollis* Germar, 1842 (Háva, unpublished data).

*Thorictus wasmanni* Reitter, 1895
http://species-id.net/wiki/Thorictus_wasmanni

*Thorictus wasmanni* Reitter, 1895: Audisio et al. 1995: 12.

**Material examined.** None.

**Chorotype.** Turanian: endemic of Uzbekistan (John 1963, Löbl 2007).

**Italian distribution.** “Si?” [= Sicily?] (Audisio et al. 1995).

**Remarks.** The above doubtful Sicilian record has already been ignored by other authors (Löbl 2007, Zhantiev 2011a); this species must be excluded from the Italian fauna, since its occurrence in Sicily is incompatible with its geonemy. It is known from the type specimens only (Zhan'tiev 2011b).
**Attagenus (Attagenus) calabricus** Reitter, 1881

http://species-id.net/wiki/Attagenus_calabricus

*Attagenus calabricus* Reitter, 1881: 37.

*Attagenus (Lanorus) calabricus* Reitt.: Reitter 1883: 89; Reitter 1891: 337; Ragusa 1892: 204; Reitter 1906: 378; Dalla Torre 1911: 52; Winkler 1926: 676; Luigioni 1929: 538; Porta 1929: 302.

*Megatoma calabrica* Rtt.: Reitter 1887: 48.

*Attagenus calabricus* Reitter 1891: 52; Panganetti-Hummler 1918: 87; Schatzmayr 1941: 73; Angelini 1986: 74; Angelini and Montemurro 1986: 573; Angelini 1987: 38; Angelini 1991: 206.

*Attagenus calabricus* Rr.: Liebmann 1962: 4.

*Attagenus calabricus* Reitter, 1881: Mroczkowski 1968: 82; Sparacio 1997: 73.

*Attagenus (Lanorus) calabricus* Reitter, 1881: Audisio et al. 1995: 13.

*Attagenus (Attagenus) calabricus* Reitter, 1881: Háva 2003: 59; Háva 2007: 308; Zhantiev 2011a.

**Material examined.** Abruzzi: Pescara prov., Maiella, Valle Orfento, Caramanico, 23.VI.1988, G. Osella leg., 1 ex (JHAC). Apulia: Brindisi prov., Francavilla Fontana, 30.V.1998, C. Esposito leg., 1 ex (GNAC); [Foggia prov., GNP] Mattinata, 22.VI.1991, on flowers on the beach, M. Mantic leg., 4 ex (JHAC); [Foggia prov., GNP] Gargano, Mattinata, 8–10.V.1995, Z. Svec leg., 1 ex (JHAC); [Foggia prov., GNP, Vico del Gargano, Fraz.] San Menaio, V.1996, M. Fikacek leg., 2 ex (JHAC); Taranto prov., Circ. [= Circum] Mar Piccolo, 24.V.1992, Montemurro leg., 1 ex (JHAC); Taranto prov., Grottaglie, VI.1369 [sic!], FA, 1 ex (MCSV). Basilicata: [Matera prov.,] Marina di Nova Siri, 4.VI.2008, W. Apfel leg., 1 ex (JHAC); [Matera prov.,] Matera, 4.VI.1989, FA, 1 ex (AHG); [Matera prov.,] Matera, 350 m, 4.VI.1989, FA, 11 ex (MCSV); Potenza prov., Francavilla sul Sinni, 320 m, 5.VI.1988, querceta [= oak wood], FA, 1 ex (MCSV); [Potenza or Matera prov.,] Pollino, 19.VI.1994, FA, 1 ex (AHG). Calabria: “Calabria / Baudi [leg.]” [handwritten by unknown], “Holotypus 1881 / Attagenus / Calabricus / Reitter” [red-framed; handwritten by unknown], “Calabricus m. / Calab. Baudi [leg.]” [handwritten probably by Reitter], “coll. Reitter” [printed], “Lectotype / Attagenus calabricus Reitter / J. Háva des. 2012”, 1 ex (HNHM); “Calabria / Baudi [leg.]” [handwritten by unknown], “Paratypus 1881 / Attagenus / Calabricus / Reitter” [red-framed; handwritten by unknown], “coll. Reitter [printed]”, “Paralectotype / Attagenus calabricus Reitter / J. Háva des. 2012”, 1 ex (HNHM); Calabria [without further data], 1 ex (JHAC); [Cosenza prov., Cassano all’Ionio, Fraz.] Marina di Sibari env., 3 m, sandy dunes, 14.6.2009, P. Kresl leg., 6 ex (JHAC); [Cosenza prov.,] Roseto Capo Spulico, 27.V.–3.VI.2006, V. Hron leg., 1 ex (JHAC); [Cosenza prov.,] Sila, Mte. [= Mount] Oliveto, 2.VII.1929, C. Confalonieri leg., 1 ex (JHAC); [Cosenza prov.,] Sila, Sud [= South of] S. Giovanni [in] Fiore, 1100 m, 4.VII.[19]87, FA, 2 ex (MCSV); Reggio Calabria prov., Asprom. [= Aspromonte], str. [= strada = road] Cimina–Zomaro, 600–800 m, 6.VI.1994, FA, 6 ex (JHAC).
Chorotype. Apenninic endemic (Háva 2007).

Italian distribution. Campania (Luigioni 1929), Apulia (Panganetti-Hummler 1918, Luigioni 1929, Angelini 1987), Basilicata (Angelini 1986, Angelini and Montemurro 1986), Calabria (Bertolini 1904, Luigioni 1929, Porta 1929, Schatzmayr 1941, Angelini 1991) and Sicily (Ragusa 1892, Bertolini 1904, Winkler 1926, Luigioni 1929, Porta 1929, Liebmann 1962, Mroczkowski 1968, Audisio et al. 1995, Sparacio 1997, Háva 2003, 2007, Zhantiev 2011a).

The generic records for Italy (Reitter 1883, 1891, 1906, Dalla Torre 1911, Winkler 1926, Mroczkowski 1968, Háva 2003, 2007), peninsular Italy (Audisio et al. 1995), southern Italy (Sparacio 1997) and mainland Italy (Zhaitiev 2011a) refer to the above listed regions.

Remarks. First record from the Abruzzi region; this new site (cf. Osella 1988) is at the northernmost limit of the species distribution, while the above record from the Brindisi province is at the easternmost limit. The southernmost site is the Pantelleria Island in the Sicilian Channel (Liebmann 1962).

Reitter (1881) described this species without giving any locality of collecting (see also Reitter 1887), but based on the specific name, the type locality is apparently in the Calabria region (southern peninsular Italy). The species was described based on an unspecified number of specimens without any type designation (Reitter 1881). The two type specimens above are thus syntypes and are designated here as lectotype and paralectotype, respectively; in this way “Calabria” becomes the type locality of the species (ICZN 1991, art. 76.2).

Attagenus (Attagenus) lobatus Rosenhauer, 1856
http://species-id.net/wiki/Attagenus_lobatus

Attagenus (Attagenus) lobatus Rosenhauer, 1856: Háva and Nardi 2011: 420.

Material examined. Tuscany: Firenze [= Florence], 28.IX.1988, L. Chelazzi leg., 1 ♂ (MZUF).

Chorotype. Central Asiatic-Mediterranean; this species was introduced to the USA (cf. Háva and Nardi 2011; Háva et al. 2013).

Italian distribution. Latium, Campania, Apulia, Calabria, Sicily and Sardinia (cf. Háva and Nardi 2011).

Remarks. First record for Tuscany. The new locality is the northernmost in Italy (cf. Háva and Nardi 2011).

Attagenus (Attagenus) pilosissimus Roubal, 1932 stat. prom.

Attagenus pellio L. var. pilosissimus Roubal, 1932: 66.
Attagenus pellio Lin. v. pilosissimus Roubal: Porta 1934: 171.
Attagenus pellio (Linnaeus, 1758) var. pilosissimus Roubal, 1932: Mroczkowski 1968: 89.
Attagenus pellio var. pilosissimus Roub.: Angelini 1986: 74.
Attagenus pellio var. pilosissimus Roubal: Angelini 1991: 206.

Attagenus (Attagenus) pellio (Linné, 1758) = pilosissimus Roubal, 1932: Audisio et al. 1995: 13.

Attagenus (Attagenus) pellio (Linnaeus, 1758) = Attagenus pellio var. pilosissimus Roubal, 1932: Háva 2003: 66.

Attagenus (Attagenus) pellio (Linnaeus, 1758) = pilosissimus Roubal, 1932: Háva 2007: 57.

Attagenus (Attagenus) pellio (Linnaeus, 1758) = Attagenus pellio var. pilosissimus Roubal, 1932: Háva and Nardi 2007: 122.

**Material examined.** Apulia: Bari prov., Gioia del Colle, 22.IV.1993, De Marzo leg., 1 ♂ (JHAC); Foggia prov., [GNP,] Foresta Umbra, Monte Sant’Angelo, caserme forestali [= barracks of the Italian National Forestry Service], 792 m, 33T 582306 4630267, 27.IV.2010, PC, death on windowsill, Prog. Foresta Umbra, 1 ♀ (JHAC). Lombardy: Bergamo prov., Oltre il Colle, 7.VII.2005, FA, 1 ♂ (JHAC).

**Chorotype.** Alpino-Apenninic endemic (cf. Háva and Nardi 2007).

**Italian distribution.** Apulia and Calabria (Roubal 1932, Porta 1934, Angelini 1986, 1991, Háva and Nardi 2007).

**Remarks.** Attagenus pellio var. pilosissimus from Apulia was listed as a synonym of A. (A.) pellio by Audisio et al. (1995), because Mroczkowski (1968) listed pilosissimus as a “variety”. This means that this name was implicitly considered as a junior synonym as Mroczkowski also treated subspecific taxa in his paper. This opinion was confirmed by Háva and Nardi (2007: 122) through a study of the holotype, a female specimen which is very worn. A photo of this holotype is published at http://www.dermestidae.com/Attagenuspellio_pilosissimus.html. Nevertheless, based on the study of the above new material, this variety is resurrected as a valid species (stat. prom.). Attagenus (Attagenus) pilosissimus and A. (A.) pellio show differences in the shape of the antennal club (Figs 1–2) and in the male genitalia (Figs 4–5): the median lobe of the aedeagus of the former species (Fig. 5) is longer and narrower, and parameres are parallel for most of their length. Moreover, A. (A.) pilosissimus also differs by the pubescence of the abdomen (Fig. 4) and pronotum (Fig. 3) and by the presence of only one small circular spot with whitish pubescence on each elytron (Fig. 3). Attagenus (A.) pilosissimus is known only from mainland Italy (Lombardy, Apulia and Calabria), where, in sympatry, A. (A.) pellio (Linnaeus, 1758) also occurs (cf. Holdhaus 1911, as A. pellio L., Háva and Nardi 2007).

**Attagenus (Attagenus) silvaticus Zhantiev, 1976**

http://species-id.net/wiki/Attagenus_silvaticus

Attagenus (Attagenus) silvaticus Zhantiev, 1976: Háva and Nardi 2007: 122.

Attagenus silvaticus Zhantiev, 1976: Zhantiev 2011a.

**Material examined.** Apulia: Foggia prov., [GNP,] Foresta Umbra, Vico del Gargano, Bosco Sfilzi, 391 m, 33T 585633 4634653, 23.V.2010, D. Birtele & I. Toni leg., window flight trap, Prog. Foresta Umbra, 1 ♀ (CNBFVR).
**Chorotype.** European (Czech Republic, Hungary, northwestern Russia, Sicily, Slovakia, Ukraine) with extension eastward to “Caucus”, Anatolia, Iran and West Siberia (Háva 2007, Háva and Nardi 2007, Háva et al. 2010, as *A. silvaticus*, Zhantiev 2011a).

**Italian distribution.** Sicily (Háva and Nardi 2007, Zhantiev 2011a).

**Remarks.** First record for mainland Italy. The above specimen was intercepted in a beech wood (D. Birtele, pers. comm., 2012).

*Attagenus (Attagenus) simonis* Reitter, 1881

http://species-id.net/wiki/Attagenus_simonis

*Attagenus tigrinus* F. [= (Fabricius, 1792)] v. *Simoni* [sic!] Reit.: Bertolini 1904: 58.

*Attagenus bifasciatus* Oliv. [= (Olivier, 1790)] v. *Simoni* [sic!] Reitt.: Luigioni 1923b: 4.

*Attagenus (Lanorus) bifasciatus* Oliv. a *Simoni* [sic!] Reitt.: Luigioni 1929: 538; Porta 1929: 302.

*Attagenus bifasciatus* (Olivier, 1790) var. *simoni* [sic!] Reitter, 1881: Sapuppo 2002: 187–188.

*Attagenus (Attagenus) simonis* Reitter, 1881: Háva and Nardi 2007: 418–419.

**Material examined.** None.

**Chorotype.** E-Mediterranean: Egypt, Israel, Jordan and Syria (Háva 2007).

**Italian distribution.** Latium (Luigioni 1929), Campania (Bertolini 1904, Luigioni 1929, Porta 1929), Capri Island (Luigioni 1923b, 1929, Porta 1929) and Sicily (Luigioni 1929, Sapuppo 2002).

**Remarks.** This species was recently excluded from the Italian fauna (Háva and Nardi 2007, 2011); also according to Mroczkowski (1968: 81, as *A. bifasciatus* var. *simonis*), it occurs only in some East-Mediterranean countries. Nevertheless, an escatomediterranean distributional pattern (Zilli 2000) could explain the occurrence of this species in Italy.

Gulli (1961: 4, as *A. bifasciatus* Oliv. var. *Rossii* Ganglb. [= Ganglbauer, 1904] and A. b. var. *Simoni* [sic!]) recorded Sicilian specimens of *A. (A.) rossii* (identified by A. Porta) with a colour similar to *A. (A.) simonis*; these specimens are also listed by Sapuppo (2002), but unfortunately their re-examination has so far been impossible.

*Attagenus (Attagenus) tigrinus pulcher* Faldermann, 1835

http://species-id.net/wiki/Attagenus_tigrinus_pulcher

*Attagenus pulcher* Fald.: Bargagli 1872: 102, Bertolini 1874: 99.

*Attagenus tigrinus* F. [= (Fabricius, 1792)] var. *pulcher* Falder.: Bertolini 1904: 58.

**Material examined.** None.

**Chorotype.** Mediterranean (cf. Háva and Nardi 2011); *A. (A.) tigrinus pulcher* is a Caucasian endemic (Zhantiev 2009).
Italian Dermestidae: notes on some species and an updated checklist (Coleoptera)

**Italian distribution.** Sardinia (Bargagli 1872, Bertolini 1874, 1904).

**Remarks.** This subspecies is excluded here from the Italian fauna. Zhantiev (2009) recognized this taxon as a valid subspecies. This paper was overlooked by Háva and Nardi (2011), so these authors, according to Háva (2007), listed it as a synonym of *A. (A.) bifasciatus* (A.G. Olivier, 1790). Nevertheless, the status of this subspecies needs to be revised (Háva, unpublished data).

**Figures 1–6.** Attagenus (Attagenus) spp., males 1 Antennal club of *A. (A.) piloissimus* from Italy (Apulia, Bari prov., Gioa del Colle) 2 Antennal club of *A. (A.) pellio* from Czech Republic (Central Bohemia, Prague) 3 Habitus of *A. (A.) piloissimus* from Italy (Apulia, Bari prov., Gioa del Colle) (length 4.5 mm) 4 Abdomen in ventral view of *A. (A.) piloissimus* from Italy (Apulia, Bari prov., Gioa del Colle) 5 Aedeagus (setation omitted) of *A. (A.) piloissimus* from Italy (Lombardy, Bergamo prov., Oltre il Colle) (length 0.5 mm) 6 Aedeagus (setation omitted) of *A. (A.) pellio* from Czech Republic (Central Bohemia, Prague) (length 0.5 mm) (photos and drawings by J. Háva).
**Anthrenus (Anthrenops) coloratus** Reitter, 1881
http://species-id.net/wiki/Anthrenus_coloratus

*Anthrenus (Anthrenops) coloratus* Reitter, 1881: Háva 2007: 311.
*Anthrenus (Florilinus) coloratus* Reitter, 1881: Zhantiev 2011a.

**Material examined.** Apulia: [Foggia prov., GNP,] Gargano, V 1991, J. Háva leg., 12 ex (JHAC).

**Chorotype.** Turano-Europeo-Mediterranean with extension to Canary Islands, Tajikistan, “India” and Sudan; this species was introduced to and is widespread in the USA (Beal 1998, as *A.* coloratus, Háva 2003, 2007).

**Italian distribution.** Italy (Háva 2007). Italian mainland (Zhintiev 2011a).

**Remarks.** The generic Italian record by Háva (2007) was based on the above specimens.

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**Anthrenus (Anthrenus) angustefasciatus** Ganglbauer, 1904
http://species-id.net/wiki/Anthrenus_angustefasciatus

*Anthrenus (Anthrenus) pimpinellae* Fabr. [= (Fabricius, 1775)] a. angustefasciatus Ganglb.: Luigioni 1929: 540.
*Anthrenus pimpinellae* Fabr. ab. angustefasciatus Ganglb.: Porta 1934: 171.
*Anthrenus (Anthrenus) angustefasciatus* Ganglbauer, 1904: Háva 2003: 79; Háva 2007: 311; Kadej et al. 2007: 728; Háva 2011b: 78; Zhantiev 2011a; Háva et al. 2013: 137.

**Material examined.** Friuli-Venezia Giulia: Trieste prov., Carso, [Sgonico, Fraz.] Gabrovizza S. Primo, 12 VI 1988, sn, PC, 1 ♀ (PCOP). Tuscany: Grosseto prov., Pitigliano, 23.I.[20]02, L. Saltini leg., 1 ex (GNAC). Apulia: [Brindisi prov.,] Brindisi env., 18.V 1997, J. Hrdlicka leg., 4 ex (JHAC). Basilicata: Potenza prov., [Pollino National Park,] Terranova di Pollino, 900 m, 27–30 VI 2005, GC, sn, 1 ♀ (PCOP).

**Chorotype.** European with extension southward to a part of the Maghreb: Algeria, Bosnia and Herzegovina, Croatia, Czech Republic, France mainland, Italy, Morocco, Portugal, Spain, Switzerland, Yugoslavia and European Turkey (cf. Háva 2011b, Zhantiev 2011a, Háva et al. 2013).

The records for Corsica (Luigioni 1929, Porta 1934) were later ignored (Sainte-Claire Deville 1937, Mroczkowski 1968, as *A.* (*A.*) pimpinellae var. angustefasciatus, Zhantiev 2011a, Háva et al. 2013).

**Italian distribution.** Calabria (Luigioni 1929, Porta 1934), Sardinia (Háva et al. 2013). Italy (without further details) (Háva 2003, 2007, Kadej et al. 2007, Háva 2011b). Italian mainland (Zhintiev 2011a).

**Remarks.** Ganglbauer (1904: 42) described *A. pimpinellae* var. angustefasciatus from “Dalmatien [= Dalmatia]” that was only recently raised to species level (Háva 2003: 79); its diagnostic features were provided by different authors (Kadej 2005, Kadej et al. 2007, Háva 2011b, Háva and Zahradník 2011).
First records for northern Italy (Friuli-Venezia Giulia), for central Italy (Tuscany), for Apulia and Basilicata; the former record is expected since this species occurs in neighbouring foreign regions (Depoli 1928, as *A. pimpinellae f. angustefasciatus* Ganglb., Novak 1952, as *A. pimpinellae a. angustefasciatus* Gglb.). The generic records for Italy ( Háva 2003, 2007, Kadej et al. 2007, Háva 2011b) and, probably also those generic for mainland Italy (Zhan'tiev 2011a), refer to previous literature records and, in part, to the above material.

**Anthrenus (Anthrenus) delicatus** Kiesenwetter, 1851

http://species-id.net/wiki/Anthrenus_delicatus

**Material examined.** Apulia: Foggia prov., [GNP] Promontorio del Gargano, Vieste, SP 89 [= Strada Provinciale n. 89 = Provincial Road n. 89], Casa Cupari dint., 354 m, 33T 5920001 4650150, 29.V.2010, abandoned quarry, sn on grasses, PC, Prog. Foresta Umbra, 6 ex (CNBFVR; JHAC); Foggia prov., [GNP] Promontorio del Gargano, Peschici, Lampa del Principe dint., 161 m, 33T 587282 4639346, 28.IV.2010, maquis sn, PC, Prog. Foresta Umbra, 1 ♀ (CNBFVR). Latium: Roma prov., M.ti [= Monti = Mounts] Simbruini, Jenne dint., M.te [= Monte = Mount] Porcaro, 800 m, 31.V. 2007, sn, PC GC, 1 ex (PCOP). Sicily: Palermo prov., Corleone, Bosco della Ficuzza, 700 m, 1.VI. 2008, sn near a watering trough, PC GC, 1 ex (PCOP).

**Chorotype.** Mediterranean, reaching eastward as far as Caucasus and Iran (cf. Kadej 2005, Háva and Nardi 2011, Zhan’tiev 2011b). This species is also recorded from Cyprus (Zhan’tiev 2011a, Alziar and Lemaire 2012: 67, as *A. delicatus*), and this country must be added to the distribution summarized by Háva and Nardi (2011).

**Italian distribution.** Trentino, Venezia Giulia (Luigioni 1929), Piedmont (Ghi-liani 1887, Baudi 1890, Bertolini 1904, Luigioni 1929), Lombardy (Háva and Nardi...
Moreover, Luigioni (1929) recorded this species generically for central and southern Italy; generic records for northern and peninsular Italy (Audisio et al. 1995) and for “Italy” (Kadej 2005, Háva 2007) refer to the above regions, the same is probably valid for a generic record for mainland Italy (Zhantiev 2011a).

**Remarks.** First detailed records from Apulia. About Sicily, Ragusa (1892) wrote *Ne posseggo vari esemplari [= I have several specimens]* without giving the collecting sites, so the sole known precise Sicilian localities were the Pantelleria and Lipari Islands (Liebmann 1962, Lo Cascio et al. 2006); the above new site is located in one of the most important forested areas of western Sicily, a zone of great value for environmental conservation (cf. Sabella and Sparacio 2004, Mason et al. 2006, La Mantia et al. 2010, Falci et al. 2012). Luigioni (1923a) also recorded *A. (A.) delicatus* from the environs of Rome; this record was overlooked by Nardi (1997). As stated by Audisio et al. (1995: 16), the Italian distribution of this species should be verified, because it was considered for a long time as a variety or aberration of *A. (A.) pimpinellae*. Moreover, the colour of elytral fasciae in four of the above Apulian specimens are visually very similar to those of *A. (A.) mroczkowskii* Kalik, 1954, nevertheless their identification was established by the examination of the structure of antennae, 9th sternite and male genitalia (cf. Kadej 2005, Kadej et al. 2007). In this framework, it will be better to revise the specimens of *A. (A.) mroczkowskii* recorded so far from Italy (Angelini 1986, as *A. pimpinellae mroczkowskii*, Angelini and Montemurro 1986, as *A. pimpinellae mroczkowskii*). The distribution of *A. (A.) mroczkowskii* also includes the following countries: Albania, Bosnia and Herzegovina, Bulgaria, Corsica, Crete, Croatia, Greece, Slovenia, European Turkey and Algeria (introduced) (Háva 2007, as *A. (A.) pimpinellae mroczkowskii*, Kadej et al. 2007).

_**Anthrenus (Anthrenus) munroi**_ Hinton, 1943

http://species-id.net/wiki/Anthrenus_munroi

*Anthrenus munroi* Hint.: Angelini 1986: 73; Angelini and Montemurro 1986: 573; Angelini 1987: 37.

*Anthrenus (Anthrenus) munroi* Hinton, 1943: Háva and Nardi 2011: 425.

**Material examined.** Tuscany: [Livorno prov.], Is. [= Isola = Island] d’Elba, dint. Marina di Campo, 15–17.VI.1999, Abbazzi, Bartolozzi, Lo Cascio & Sforzi leg., 1 ♂ (MZUF).

**Chorotype.** Mediterranean (eastwards as far as Ukraine, Turkey, Lebanon, Jordan, and Israel), with extension to Hungary and Portugal (cf. Kadej et al. 2007, Háva and Nardi 2011).
Italian distribution. Apulia, Basilicata, Calabria (Angelini 1986, Angelini and Montemurro 1986, Angelini 1987) and Sardinia (Háva and Nardi 2011).

Remarks. First record for central Italy; this new site is the northernmost in Italy. The species also occurs in the facing Corsica (cf. Háva and Nardi 2011).

*Anthrenus (A.) pimpinellae pimpinellae* (Fabricius, 1775) and *A. (Nathrenus) verbasci* (Linnaeus, 1767) were the sole congeneric species previously recorded from Elba Island (Holdhaus 1923, as *A. pimpinellae* F. and *A. verbasci* L.; Luigioni 1929, Porta 1929, both as *A. (A.) pimpinellae* Fabr. and *A. (N.) verbasci* Lin.)

*Anthrenus (Anthrenus) pimpinellae pimpinellae* (Fabricius, 1775)

http://species-id.net/wiki/Anthrenus_pimpinellae_pimpinellae

*Anthrenus pimpinellae* F.: Ragusa 1892: 206; Bertolini 1904: 59; Holdhaus 1911: 445; Panganetti-Hummler 1918: 87; Holdhaus 1923: 101; Luigioni 1923b: 4; Marcuzzi 1985: 8.

*Anthrenus (Anthrenus) pimpinellae* Fabr.: Luigioni 1929: 540; Porta 1929: 306.

*Anthrenus (Anthrenus) pimpinellae pimpinellae* (Fabricius, 1775): Háva and Nardi 2004: 120; Háva and Nardi 2011: 426.

*Anthrenus (Anthrenus) pimpinellae* (Fabricius, 1775) s.l.: Lo Cascio et al. 2006: 322.

Material examined. Apulia: Foggia prov., [GNP ,] Promontorio del Gargano, Vieste, SP 89 [= Strada Provinciale n. 89 = Provincial Road n. 89], Casa Cupari dint., 354 m, 33T 592001 4630150, abandoned quarry, sn on grasses, 29.V.2010, PC, Prog. Foresta Umbra, 4 ex (CNBFVR).

Chorotype. Cosmopolitan (cf. Háva and Nardi 2011).

Italian distribution. All of Italy and Sicily (Bertolini 1904, Luigioni 1929, Porta 1929; Háva and Nardi 2011). This species is also recorded from some minor islands: Elba (Holdhaus 1923), Capri (Luigioni 1923b, 1929, Porta 1929), Lampedusa (Ragusa 1892, Luigioni 1929) and Vulcano (Lo Cascio et al. 2006).

Remarks. Species common and widespread in Italy but from the Gargano National Park (cf. Angelini 1987) was recorded only by Holdhaus (1911); it is also known from other Apulian localities (Panganetti-Hummler 1918, Marcuzzi 1985).

*Anthrenus (Nathrenus) signatus* Erichson, 1846

http://species-id.net/wiki/Anthrenus_signatus

*Anthrenus (Nathrenus) signatus* Erichson, 1846: Háva and Nardi 2011: 428.

Material examined. Basilicata: Potenza prov., Pignola, Ris. [= Riserva = Reserve] WWF, L. [= Lago = Lake] Pignola, 700 m, 21.VI.1992, FA, 1 ♂ (JHAC).

Chorotype. European (cf. Háva and Nardi 2011).
Italian distribution. South Tyrol, Venetia, Venezia Giulia, Latium?, Apulia, Basilicata and Sicily (cf. Háva and Nardi 2011).

Remarks. This species was recorded in Basilicata region from the Pollino National Park (Angelini 1986) only; the above specimen comes from a nature reserve, from which a sole congeneric species, *A. (N.) verbasci*, was known so far (Angelini 1996a, 1998, both as *A. verbasci*).

*Anthrenus signatus* ab. *bielawskii* Mroczkowski, 1958 from Bulgaria (Mroczkowski 1958: 6, 1968: 145) was recently ignored (Háva 2007, 2008, 2011a), since according to the ICZN (1999, art. 45.5 and 45.6.2), it is an infrasubspecific and unavailable name.

**Globicornis (Globicornis) breviclavis** *(Reitter, 1878)*
http://species-id.net/wiki/Globicornis_breviclavis

*Hadrotoma breviclavis* Reitter: Baudi 1890: 101.

*Hadrotoma breviclavis* Reitt.: Bertolini 1904: 59.

*Globicornis (Globicornis) breviclavis* Reitt.: Ganglbauer 1904: 31; Reitter 1906: 379;
Dalla Torre 1911: 63; Winkler 1926: 679; Luigioni 1929: 539; Porta 1929: 304.

*Globicornis (Globicornis) breviclavis* *(Reitter, 1878)*: Audisio et al. 1995: 13, 16.

Material examined. None.

Chorotype. Endemic to the Near East: Armenia, Bulgaria, “Caucasus”, Georgia, European Turkey, Ukraine, and Southern European Russia (Adygeya, Krasnodar kraj) (Háva 2007, Háva and Legalov 2010, Zhantiev 2011a).

Italian distribution. Piedmont: Graian and Pennine Alps (Baudi 1890, Luigioni 1929, Porta 1929); Piedmont (without further details) (Bertolini 1904, Reitter 1906); Piedmont? (Dalla Torre 1911, Winkler 1926, Audisio et al. 1995). Liguria: Ligurian Apennines (Luigioni 1929); Liguria? (Audisio et al. 1995).

Remarks. This species described from Caucasus (Reitter 1878, as *Hadrotoma breviclavis*) is excluded here from the Italian fauna. Ganglbauer (1904) listed the paper by Baudi (1890), while Dalla Torre (1911) referred to Ganglbauer (1904). The Italian records were ignored by Mroczkowski (1968: 114), who recorded this species only from the Caucasus. No specimens of this species are present in the P. Luigioni collection (MCZR) (A. Zilli, pers. comm. 2013). The above Italian records probably concern the similar *G. (G.) luckowi* Herrmann, Háva & Kadej, 2011 which is known only from southern Switzerland, Piedmont and Liguria (Herrmann et al. 2011, Háva et al. 2013). Nevertheless, as discussed for *Attagenus (A.) simonis*, an escatomediterranean distributional pattern (Zilli 2000) could explain the occurrence of *G. (G.) breviclavis* in Italy.
**Globicorns** (**Globicorns**) *fasciata* (Fairmaire & Brisout de Barneville, 1859)

http://species-id.net/wiki/Globicorns_fasciata

**Hadrotoma fasciata** Fairm.: Bertolini 1904: 59; Luigioni 1923a: 135.

**Globicorns fasciata** Fair.: Vitale 1904: 75.

**Globicorns (Globicorns) fasciata** Frm. [18]59: Winkler 1926: 679.

**Globicorns (Globicorns) fasciata** Fairm.: Luigioni 1929: 539; Porta 1929: 304.

**Globicorns fasciatus** [sic!] Fairm.: Horion 1955: 208.

**Globicorns (Globicorns) fasciata** (Fairmaire, 1859): Mroczkowski 1968: 114; Audisio et al. 1995: 13, 16; Zhantiev 2011a.

**Globicorns (Globicorns) fasciata** (Fairmaire & Brisout, 1859): Háva 2003: 109; Háva and Nardi 2011: 429.

**Globicorns (Globicorns) fasciata** (Fairmaire & Brisout de Barneville, 1859): Háva 2007: 315.

**Material examined.** Basilicata: Potenza prov., Parco Naz. del Pollino [= Pollino National Park], Casa del Conte dint., tra [= between] Acqua Tremola e [= and] Piani di S. Francesco, 1100–1500 m, 9.VII.2002, sn, GC, 3 ex (PCOP).

**Chorotype.** European (Belgium, Denmark, France, Germany, Italy, Spain, Sweden, Switzerland) with extension southward to Tunisia (cf. Háva et al. 2010, Háva and Nardi 2011).

**Italian distribution.** Piedmont (Porta 1929, Horion 1955), Tuscany (Luigioni 1929, Horion 1955), Latium (Luigioni 1923a, 1929, Porta 1929, Horion 1955), Sicily (Vitale 1904) and Sardinia (Bertolini 1904, Winkler 1926, Luigioni 1929, Porta 1929, Horion 1955, Mroczkowski 1968, Audisio et al. 1995, Háva 2003, 2007, Zhantiev 2011a).

The records for northern and peninsular Italy (Audisio et al. 1995) as those generic for Italy (Háva 2003) refers to above regions; the same is probably valid for a generic record for mainland Italy (Zhantiev 2011a).

**Remarks.** First record from southern Italy. Five species of this genus are now recorded from the Pollino National Park (cf. Angelini 1986).

The records for Piedmont (Porta 1929, Horion 1955) and those generic for northern Italy (Audisio et al. 1995: 13) refers to the Maritime Alps (Audisio et al. 1995: 16). The species also occurs in a neighbouring French department (Sainte-Claire Deville 1937: 252, as *G. fasciata* Fairm.). The record from Sicily (Vitale 1904) was omitted by subsequent authors (cf. Luigioni 1929, Audisio et al. 1995, Zhantiev 2011a), and thus, it should be confirmed.

In the literature (see also above), the authorship of this species was often attributed only to Fairmaire.
**Globicorneis (Hadrotoma) sulcata** (C.N.F. Brisout de Barneville, 1866)
http://species-id.net/wiki/Globicorneis_sulcata

**Globicorneis ? sulcata** (C. Brisout de Barneville, 1866): Angelini 1986: 74.
**Globicorneis (Hadrotoma) ? sulcata** (C. Brisout de Barneville, 1866): Audisio et al. 1995: 16.
**Globicorneis (Hadrotoma) sulcata** (C. Brisout de Barneville, 1866): Audisio et al. 1995: 13.

**Material examined.** Abruzzi: Parco Naz. [= National Park], L’Aquila prov., Pescasseroli, 1300 m, 1.IV.2003, FA, 1 ♀ (JHAC). Basilicata: Potenza prov., Moliterno, 500 m, 11.V.2003, FA, 1 ♀ (JHAC); Potenza prov., Ruoti, 29.IX.1996, *Abies–Quercus*, FA, 1 ♂ (JHAC). Campania: Avellino prov., Cilento, Novi Velia, M. [= Mount] Sacro, 1900 m, 7.XII.1996, *Fagus*, FA, 1 ♂ (JHAC). Sicily: Palermo prov., Ficuzza, 700 m, 1–4.V.2000, bosco leccio [= ilex wood], FA, 1 ♂ (JHAC); Palermo prov., Bosco della Ficuzza, 27.V.2006, M. Sarovec leg., 1 ♂, 4 ♀♀ (JHAC).

**Chorotype.** W-Mediterranean: France, Italy and Spain.
**Italian distribution.** Basilicata (Angelini 1987, Audisio et al. 1995).

**Remarks.** First records from central Italy (Abruzzi), Campania and Sicily. In the Sicilian site, it was also collected *Anthrenus (Anthrenus) delicatus* (see above).

**Trogoderma angustum** (Solier, 1849)
http://species-id.net/wiki/Trogoderma_angustum

**Trogoderma angustum** (Solier, 1849): Háva 2007: 319; Zhantiev 2011a.

**Material examined.** None.

**Chorotype.** Subcosmopolitan (cf. Háva 2007). This species is also recorded from Switzerland (Kenis 2005); this country must be added to the European distributions recently summarized by Háva (2007) and by Zhantiev (2011a).

**Italian distribution.** Italy (without further details) (Háva 2007). Italian mainland (Zhanitiev 2011a).

**Remarks.** The above generic Italian record by Háva (2007) was based on a personal communication from V. Kalík, who identified Italian material; unfortunately, no further details are available (Háva, unpublished data).

**Trogoderma inclusum** LeConte, 1854
http://species-id.net/wiki/Trogoderma_inclusum

**Trogoderma meridionalis** Kraatz, 1858: 146.
**Trogoderma meridionalis** Kraatz: Mulsant and Rey 1868: 132.
**Trogoderma meridionale** [sic!] Kraatz: Bertolini 1874: 99.
**Troguerma versicolor** Creutz. [= (Creutzer, 1799)] **var. meridionale** [sic!] Kr.: Ragusa 1892: 205; Porta 1929: 305.  
**Troguerma versicolor** Creutz. **v. meridionale** [sic!] K.: Bertolini 1904: 59.  
**Troguerma versicolor** Creutz. **a. meridionale** [sic!] Kr.: Luigioni 1929: 540.  
**Troguerma versicolor meridionale** [sic!] Kraatz, 1858: Mroczkowski 1968: 107.  
**Troguerma inclusum** Le Conte: Dal Monte 1972: 102.  
**Troguerma ? inclusum** Lec.: Angelini and Montemurro 1986: 573.  
**Troguerma inclusum**: Nardi R. et al. 1993: 623, fig. 9.  
**Troguerma ?** **inclusum** J.L. Leconte, 1854: Audisio et al. 1995: 13, 16.  
**Troguerma inclusum** Leconte: Nicoli Aldini 1999: 8.  
**Troguerma inclusum** LeConte, 1854: Háva 2007: 319; Háva and Nardi 2011: 432; Zhantiev 2011a.

**Material examined.** Apulia: Lecce prov., Salento, Torre S. Giovanni dint., 1–7. VII.2002, PC GC, sn, 1 ex (PCOP). Venetia: Verona prov., Verona, [Fraz.] Cancellor, [about 500 m], 22.VI.1986, sn, PC, 1 ex (PCOP).

**Chorotype.** Cosmopolitan (cf. Háva and Herrmann 2011, Háva and Nardi 2011, Háva et al. 2011).

**Italian distribution.** Lombardy (Nicoli Aldini 1999, Háva and Nardi 2011), Liguria (Luigioni 1929), Emilia-Romagna (Nicoli Aldini 1999), Latium (Nardi R. et al. 1993, Nicoli Aldini 1999), Basilicata [?] (Angelini and Montemurro 1986, Audisio et al. 1995), Sicily (Kraatz 1858, Mulsant and Rey 1868, Ragusa 1892, Bertolini 1904, Porta 1929, Mroczkowski 1968) and Sardinia (cf. Háva and Nardi 2011).

The first Italian record of this species was provided by Kraatz (1858) who recorded it from Sicily (without a precise locality), while some authors (Bertolini 1874, Dal Monte 1972, Háva 2007) and Zhantiev (2011a) recorded it from Italy and mainland Italy, respectively, without further details. Moreover, Nicoli Aldini (1999: 8) also recorded it from alcune città del Nord-Italia [= some towns of Northern Italy] but without mentioning the regions.

**Remarks.** In Italy, this species and *T. versicolor* (Creutzer, 1799) have often been confused (cf. Nicoli Aldini 2003b, Háva and Nardi 2011); old Italian records in the literature must be thus considered with caution. *Troguerma inclusum* is recorded here for the first time from Apulia and Venetia. This species is a stored product pest; it also develops in nests of social aculeate Hymenoptera, and is a predator of egg masses of *Lymantria dispar* (Linnaeus, 1758) (Lepidoptera, Erebidae, Lymantriinae) (cf. Háva and Nardi 2011).

**Literature records**

The old Sicilian records of *Attagenus (A.) trifasciatus* (Fabricius, 1787) and *Troguerma glabrum* (Herbst, 1783) (Ghiliani 1842) were ignored (or overlooked?) by subsequent authors and are thus considered as doubtful here (Table 1).
Thorictus mauritanicus Lucas, 1846 and T. stricticollis Kraatz, 1859 were both recorded from “Italy” by Háva (2003, 2007) and from “Italian mainland” by Zhantiev (2011a). Háva’s (2003, 2007) records of T. mauritanicus refer only to Sardinia and Sicily, while those of T. stricticollis (Háva 2003, 2007) refer only to Sardinia (Háva, unpublished data). In this framework, the records of both species for mainland Italy (Zhabtiev 2011a) are considered erroneous.

Thorictus sicilianus John, 1965 (= sicilianus John, 1966) from Sicily and Morocco (John 1965, 1966, Audisio et al. 1995, Löbl 2007) was recently recognized as a junior synonym of T. grandicollis grandicollis Germar, 1842 (Háva 2013); Attagenus picipennis Pic, 1894 from Sicily (Audisio et al. 1995) is a junior synonym of A. (Attagenus) brunneus Faldermann, 1835 (Háva 2007: 57); Anthrenus (A.) scrophulariae suecius Palm, 1940 that was recorded from southern Italy and Sicily (Audisio et al. 1995), was recently listed by Háva (2007: 313) as a junior synonym of A. (A.) scrophulariae scrophulariae (Linnaeus, 1758), but for an error this new synonym was not formally established (cf. Háva 2007: 57). These three taxa are thus excluded from the new checklist.

Dermestes (Dermestinus) gyllenhali gyllenhali Laporte de Castelnau, 1840
Dermestes ? atomarius Erichson, 1846; Sapuppo 2002: 189.
Si? (Sapuppo 2002).

Dermestes (Dermestinus) laniarius laniarius Illiger, 1801
Dermestes laniarius Illig.: Gulli 1961: 4.
Dermestes laniarius Illiger, 1801: Sapuppo 2002: 190.
Si (Gulli 1961, Sapuppo 2002).

Thorictus grandicollis grandicollis Germar, 1842
Thorictus grandicollis Germ.: Cerruti 1954: 111.
N (Cerruti 1954).

Attagenus (Attagenus) cyphonoides Reitter, 1881
Attagenus alfieri Pic[, 1910]: Trematerra 1987: 16.
Attagenus (Attagenus) cyphonoides Reitter, 1881: Háva and Nardi 2004: 121, Háva 2007: 308.
Attagenus (Attagenus) cyphonoides Reitter, 1881: Zhantiev 2011a.
S (Háva and Nardi 2004). Italy (Trematerra 1987, Háva 2007). Italian mainland (Zhabtiev 2011a).

Attagenus (Attagenus) fasciatus (Thunberg, 1795)
Attagenus fasciatus (Thunberg, 1795): Nicoli Aldini 2003a: 155–156, Nicoli Aldini 2003b: 123–125, Nicoli Aldini 2004: 983, 985, Zhantiev 2011a.
Attagenus (Attagenus) fasciatus (Thunberg, 1795): Háva and Nardi 2004: 121, Háva 2007: 308.
N (Nicoli Aldini 2003a, 2003b, 2004), S (Háva and Nardi 2004). Italy (Háva 2007). Italian mainland (Zhartiev 2011a).

**Attagenus (Attagenus) pantherinus** (Ahrens, 1814)
*Attagenus pantherinus*: Henry 1938: 66.
*Attagenus (Attagenus) pantherinus* (Ahrens, 1814): Háva 2007: 309, Háva and Nardi 2007: 121.
*Attagenus pantherinus* (Ahrens, 1814): Zhartiev 2011a.
N (Henry 1938, Háva and Nardi 2007), Sa (Zhartiev 2011a). Italy (Háva 2007).

**Attagenus (Attagenus) rossii** Ganglbauer, 1904
*Dermestes bifasciatus* Rossi, 1794: 79.
*Attagenus bifasciatus* Rossi: Rottenberg 1870: 238, Bertolini 1874: 99, Steck 1887: 181, Bertolini 1904: 58.
*Attagenus bifasciatus*: Balla-Tedaldi 1887: 158.
*Attagenus (Lanorus) bifasciatus* Rossi: Ragusa 1892: 204.
*Attagenus (Lanorus) bifasciatus* Oliv. [= (A.G. Olivier, 1790)] a. *Rossi* Ganglb.: Luigioni 1929: 538.
*Attagenus (Lanorus) bifasciatus* Oliv. v. *Rossi* Ganglb.: Porta 1929: 302.
*Attagenus bifasciatus* Oliv. var. *Rossi* Ganglb.: Gulli 1961: 4.
*Attagenus bifasciatus* (Olivier, 1790) var. *Rossi* Ganglbauer, 1904: Sapuppo 2002: 187.
*Attagenus (Attagenus) rossii* Ganglbauer, 1904: Háva 2007: 309, Háva and Nardi 2007: 123, Háva and Nardi 2011: 422.
*Attagenus rossii* Ganglbauer, 1904: Zhartiev 2011a.
*Attagenus rossii* Ganglbauer, 1804 [sic!]: FEI 2012.
S (Rossi 1794, Luigioni 1929, Porta 1929, Háva and Nardi 2007, 2011), Si (Rottenberg 1870, Bertolini 1874, Balla-Tedaldi 1887, Steck 1887, Ragusa 1892, Bertolini 1904, Luigioni 1929, Porta 1929, Gulli 1961, Sapuppo 2002, Háva and Nardi 2007, Zhartiev 2011a, FEI 2012), Sa (cf. Háva and Nardi 2011). Italy (Háva 2007). Italian mainland (Zhartiev 2011a).

**Attagenus (Attagenus) trifasciatus** (Fabricius, 1787)
*Attagenus trifasciatus* Fabr.: Ghiliani 1842: 33.
*Attagenus ? trifasciatus* (Fabricius, 1787): Sapuppo 2002: 189.
Si? (Ghiliani 1842, Sapuppo 2002).

**Anthrenocerus australis** (Hope, 1843)
*Anthrenocerus australis* (Hope, 1843): Herrmann and Háva 2007: 5, Háva 2007: 315, Zhartiev 2011a.
N (Herrmann and Háva 2007). Italy (Háva 2007). Italian mainland (Zhartiev 2011a).
Globicornis (Globicornis) luckowi Herrmann, Háva & Kadej, 2011
Globicornis (Globicornis) luckowi Herrmann, Háva & Kadej, 2011: Háva et al. 2013: 138. N (Háva et al. 2013).

Globicornis (Hadrotoma) corticalis (Eichhoff, 1863)
Globicornis corticalis (Eichhoff, 1863): Biscaccianti et al. 2008: 50. S (Biscaccianti et al. 2008).

Reesa vespulae (Milliron, 1939)
Reesa vespulae (Milliron, 1939): Nicoli Aldini 2003a: 156, 159, Nicoli Aldini 2003b: 123, 127, Nicoli Aldini 2004: 983, 987. N (Nicoli Aldini 2003a, 2003b).

Trogoderma glabrum (Herbst, 1783)
Trogoderma elongatumum Fabr. [= (Fabricius, 1801)]: Ghiliani 1842: 33. Si? (Ghiliani 1842).

Trogoderma variabile Ballion, 1878
Trogoderma variabile Ballion, 1878: Nicoli Aldini 1998: 115, Háva 2003: 141, Háva 2007: 320.
Trogoderma variabile Ballion: Nicoli Aldini 2003a: 156, Nicoli Aldini 2003b: 126–127. N (Nicoli Aldini 1998, 2003a, 2003b), Sa (Zhantiev 2011a). Italy (Háva 2003, 2007). Italian mainland (Zhantiev 2011a).

A new checklist of the Dermestidae of Italy
The present-day dermestid fauna of Italy is summarized in the checklist below (Table 1).

The following abbreviations are used: AFR = Afrotropical; ALAP = Alpino-Apen- ninic endemic; ALPC = Central-Alpine endemic; APPE = Apenninic endemic; AUST = Australian; CAE = Centralasiatic-European; CEM = Centralasiatic-Europeo-Mediterranean; CEU = Central European; COS = Cosmopolitan; EME = E-Mediterranean; EUM = Europeo-Mediterranean; EUR = European; IT = Italy and/or Italian mainland without further details; (i) = introduced to Europe; MED = Mediterranean; N = northern Italy (Trentino-Alto Adige, Venetia, Friuli-Venezia Giulia, Lombardy, Piedmont, Aosta Valley, Liguria and Emilia-Romagna); NAF = N-African; OLA = Holarctic; PAL = Palearctic; S = peninsular Italy (the remainig of continental Italy); Sa = Sardinia and small circum-Sardinian islands; SCO = Subcosmopolitan; SEU = S-European; Si = Sicily and small circum-Sicilian islands; SICI = Sicilian endemic; SIE = Sibero-European; TEM = Turano-Europeo-Mediterranean; TUE = Turano-European; TUM = Turano-Mediterranean; WME = W-Mediterranean.
Table 1. Checklist of the Dermestidae of Italy.

| Taxa | Distribution | Chorotype |
|------|--------------|-----------|
| **Dermestinae Latreille, 1804** | | |
| **Dermestini Latreille, 1804** | | |
| **Genus Dermestes Linnaeus, 1758** | | |
| **Subgenus Dermestes Linnaeus, 1758** | | |
| 1. *ater* DeGeer, 1774 | N | COS |
| 2. *bicolor* Fabricius, 1781 | N S | Sa |
| *b. bicolor* Fabricius, 1781 | N S | Sa |
| 3. *haemorrhoidalis* Küster, 1852 | N | COS |
| 4. *hispanicus* Kalík, 1952 | Sa | WME |
| 5. *lardarius* Linnaeus, 1758 | N S Si Sa | COS |
| 6. *peruvianus* Laporte de Castelnau, 1840 | N? S | COS |
| **Subgenus Dermestinus Zhantiev, 1967** | | |
| 7. *aurichalceus* Küster, 1846 | N S? | Sa | MED |
| 8. *carnivorus* Fabricius, 1775 | S | COS |
| 9. *erichsoni* Ganglbauer, 1904 | N S Si Sa | EUR |
| 10. *frischii* Kugelann, 1792 | N S Si Sa | COS |
| 11. *gyllembali* Laporte de Castelnau, 1840 | EUR |
| *g. gyllembali* Laporte de Castelnau, 1840 | N S Si? |
| 12. *bankae* Háva, 1999 | S | WME |
| 13. *intermedius* Kalík, 1951 | IT | EUR |
| *i. intermedius* Kalík, 1951 | IT |
| 14. *laniarius* Illiger, 1801 | N S Si Sa |
| *l. laniarius* Illiger, 1801 | N S Si Sa |
| 15. *maculatus* DeGeer, 1774 | N S Si Sa | COS |
| 16. *marinus* Linnaeus, 1758 | N S Si Sa | PAL |
| *m. marinus* Linnaeus, 1758 | N S Si Sa |
| 17. *mustelinus* Ericsson, 1846 | N S Si Sa | EUR |
| 18. *pardalis* Billberg, 1808 | N? IT | Sa | WME |
| 19. *sardous* Küster, 1846 | N S | MED |
| *s. sardous* Küster, 1846 | N S | Sa |
| 20. *szekessyi* Kalík, 1950 | IT IT | SIE |
| 21. *undulatus* Brahms, 1790 | N S Si Sa | OLA |
| **Subgenus Montandonia Jacquet, 1886** | | |
| 22. *fuliginosus* P. Rossi, 1792 | N S Si | EUR |
| 23. *hirticollis* Fabricius, 1792 | Sa | WME |
| 24. *olivieri* Lepesme, 1939 | N S Si Sa | TEM |
| **Thorictinae Agassiz, 1846** | | |
| **Thaumaphrastini Anderson, 1949** | | |
| **Genus Thorictodes Reitter, 1875** | | |
| 25. *heydeni* Reitter, 1875 | N S | COS |
| **Thorictini Agassiz, 1846** | | |
| **Genus Thorictus Germar, 1834** | | TUM |
| 26. *grandicollis* Germar, 1842 | N S | Sa |
| *g. grandicollis* Germar, 1842 | N S | Sa |
| 27. *mauritanicus* Lucas, 1846 | Si Sa | MED |
| 28. *stricticollis* Kraatz, 1859 | MED |
| *s. stricticollis* Kraatz, 1859 | Sa |
| Taxa          | Distribution | Chorotype |
|--------------|--------------|-----------|
| 29. *studti* John, 1971 |              | Si        | SICI      |
| Orphilinae LeConte, 1900 |
| Genus *Orphilus* Erichson, 1848 |
| 30. *niger* (P. Rossi, 1790) | N S Si Sa | CEM       |
| Trinodinae T.L. Casey, 1900 |
| Thylodriini Semenov, 1909 |
| Genus *Thylothris* Motschulsky, 1839 |
| 31. *contractus* Motschulsky, 1839 | N       | COS       |
| Trinodini T.L. Casey, 1900 |
| Genus *Trinodes* Dejean, 1821 |
| 32. *hirtus* (Fabricius, 1781) | N S Si Sa | TUE       |
| Attageninae Laporte, 1840 |
| Attagenini Laporte, 1840 |
| Genus *Attagenus* Latreille, 1802 |
| Subgenus *Attagenus* Latreille, 1802 |
| 33. *bifasciatus* (A.G. Olivier, 1790) | S Si Sa | TUM       |
| 34. *brunneus* Faldermann, 1835 | N S Si Sa | OLA       |
| 35. *calabriceus* Reitter, 1881 | S Si | APPE      |
| 36. *cyphonoideus* Reitter, 1881 | S       | SCO       |
| 37. *fallax* Gené, 1839 | S Si Sa | MED       |
| 38. *fasciatus* (Thunberg, 1795) | N S       | COS       |
| 39. *lobatus* Rosenhauer, 1856 | S Si Sa | CEM       |
| 40. *maritimus* (Gené, 1839) | Si Sa | WME       |
| 41. *obtusus* (Gyllenhal, 1808) | Sa       | TEM       |
| 42. *pantherinus* (Ahrens, 1814) | N       | EUR       |
| 43. *pellio* (Linnaeus, 1758) | N S Si Sa | COS       |
| 44. *pilosissimus* Roubal, 1932 | N S       | ALAP      |
| 45. *punctatus* (Scopoli, 1772) | N S Si | EUR       |
| 46. *rossii* Ganglbauer, 1904 | S Si Sa | MED       |
| 47. *schaefferi* (Herbst, 1792) |         | OLA       |
| s. *schaefferi* (Herbst, 1792) | N S Si Sa |          |
| 48. *silvaticus* Zhantiev, 1976 | S Si | SIE       |
| 49. *simplex* Reitter, 1881 | S Si Sa | MED       |
| 50. *tigrinus* (Fabricius, 1792) |         |          |
| t. *tigrinus* (Fabricius, 1792) | N S Si Sa | MED       |
| 51. *trifasciatus* (Fabricius, 1787) | N Si? | MED       |
| 52. *unicolor* (Brahm, 1790) |         | COS       |
| u. *unicolor* (Brahm, 1790) | N S Si Sa |          |
| 53. *uniformis* Fairmaire, 1860 | Si       | NAF       |
| Megatominae Leach, 1815 |
| Anthrenini Gistel, 1848 |
| Genus *Anthrenus* Geoffroy, 1762 |
| Subgenus *Anthrenops* Reitter, 1881 |
| 54. *coloratus* Reitter, 1881 | S       | OLA+AFR   |
| Subgenus *Anthrenus* Geoffroy, 1762 |
| 55. *angustefasciatus* Ganglbauer, 1904 | N S | EUR       |
| 56. *delicatius* Kiesenwetter, 1851 | N S Si Sa | MED       |
| 57. *festivus* Erichson, 1846 | S? Si Sa | MED       |
| Taxa | Distribution | Chorotype |
|------|--------------|-----------|
| 58. *flavipes* LeConte, 1854 | | COS |
| f. *flavipes* LeConte, 1854 | S | Sa |
| 59. *goliath* Saulcy, 1868 | N | S | Si | Sa | MED |
| 60. *munroi* Hinton, 1943 | S | | | Sa | MED |
| 61. *mroczkowskii* Kalik, 1954 | S | | | | |
| 62. *pimpinella* (Fabricius, 1775) | N | S | Si | Sa | |
| p. *isabellinus* Küster, 1848 | | | | |
| p. *pimpinella* (Fabricius, 1775) | N | S | Si | |
| 63. *scrophulariae* (Linnaeus, 1758) | N | S | Si | Sa | |
| s. *scrophulariae* (Linnaeus, 1758) | | | | |
| **Subgenus Florilinus Mulsant & Rey, 1868** | | |
| 64. *museorum* (Linnaeus, 1761) | N | S | Si | Sa | COS |
| 65. *oberthueri* Reitter, 1881 | N | Si | | | |
| **Subgenus Helocerus Mulsant & Rey, 1868** | | |
| 66. *fuscus* A.G. Olivier, 1790 | N | S | Si | Sa | SCO |
| 67. *minutus* Erichson, 1846 | N | S | Si | | MED |
| **Subgenus Nathrenus Casey, 1900** | | |
| 68. *biskrensis* Reitter, 1887 | S | | | | |
| 69. *molitor* Aubé, 1850 | N | | Sa | | MED |
| 70. *signatus* Erichson, 1846 | N | S | Si | | |
| 71. *verbasci* (Linnaeus, 1767) | N | S | Si | Sa | |
| 72. *versicolor* Reitter, 1887 | S | Si | | | MED |
| **Megatomi Leach, 1815** | | |
| **Genus Anthrenocerus Arrow, 1915** | | |
| 73. *australis* (Hope, 1843) | N | | | | AUST (i) |
| **Genus Ctesias Stephens, 1830** | | |
| **Subgenus Ctesias Stephens, 1830** | | |
| 74. *serra* (Fabricius, 1792) | N | S | Si | Sa | EUR |
| **Genus Globicornis Latreille, 1829** | | |
| **Subgenus Globicornis Latreille, 1829** | | |
| 75. *bifasciata* (Perris, 1866) | S | Si | Sa | | WME |
| 76. *fasciata* (Fairmaire & Brisout de Barneville, 1859) | N | S | Si? | Sa | CEU |
| 77. *luckowi* Herrmann, Háva & Kadej, 2011 | N | | | | ALPC |
| 78. *nigripes* (Fabricius, 1792) | N | S | | | |
| 79. *picta* (Küster, 1851) | S | Si | Sa | | EUR |
| 80. *tristis* (Reitter, 1881) | S | | | | EME |
| 81. *variegata* (Küster, 1851) | N | S | Si | Sa | SEU |
| **Subgenus Hadrotoma Erichson, 1848** | | |
| 82. *cordalis* (Eichhoff, 1863) | N | S | | | EUR |
| 83. *emarginata* (Gyllenhal, 1808) | N | S | | Sa | |
| 84. *sulcata* (C.N.F. Brisout de Barneville, 1866) | S | | Si | | WME |
| **Genus Megatoma Herbst, 1791** | | |
| **Subgenus Megatoma Herbst, 1791** | | |
| 85. *ruficornis* Aubé, 1866 | S | | | | SEU |
| 86. *undata* (Linnaeus, 1758) | N | S | | | EUR |
| **Genus Phradonoma Jacquelin du Val, 1859** | | |
| 87. *villosulum* (C. Duftschmid, 1825) | N | | | | CAE |
Discussion

The updated checklist of Italian Dermestidae includes 95 species, moreover *Anthrenus (A.) pimpinellae* occurs with two subspecies, but the taxonomic status of *A. (A.) p. isabellinus* needs to be clarified (cf. Háva and Nardi 2004). This total number is very probably still provisional since this family has been little studied in Italy, and the occurrence of further species recently described (e.g. Zhantiev 2001) or resurrected is possible. The previous checklist (Audisio et al. 1995), included only 81 species. Considering the four adopted geographic divisions, the relatively high species richness in the peninsular region (67) is unsurprising (cf. Minelli et al. 2002).

Some of the above records come from the following two protected areas of southern peninsular Italy: the Gargano National Park (Apulia) and the Pollino National Park (Basilicata and Calabria). 24 species of Dermestidae are now known from the former Park, while 23 species are now known from the Pollino National Park, but only 15 species are common to both (cf. Holdhaus 1911, Panganetti-Hummler 1918, Angelini 1987, 1996b, Háva and Nardi 2004). 24 and 23 species represent 37% and 34% of those currently recorded with certainty from peninsular Italy. These values confirm the importance of these Parks for insects (cf. Holdhaus 1911, Palm 1939, Grandi 1956, Angelini 1986, 1987, Rusek and Stumpp 1988, Agostini and Scali 1989, Rivosecchi 1989, Merz 1993, Angelini 1996b, Ruffo and Stoch 2006) and for biodiversity conservation.

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