

# Records of Curculionoidea from the region-owned forest of Marganai and other localities of central-southern Sardinia (Coleoptera: Anthribidae, Attelabidae, Rhynchitidae, Apionidae, Nanophyidae, Brachyceridae, Curculionidae, Raymondionymidae, Dryophthoridae)\*

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## ABSTRACT

Collection, ecological and biogeographical data are given for 156 species of Curculionoidea (Anthribidae, Attelabidae, Rhynchitidae, Apionidae, Nanophyidae, Brachyceridae, Curculionidae, Raymondionymidae, Dryophthoridae), mostly from the Iglesias area. This number represents 26% of all Curculionoidea thus far recorded from Sardinia. New records for the island are: *Dorytomus dejeani* Faust, 1882 (Curculionidae), *Enedreytes hilaris* Fåhræus, 1839 (Anthribidae) and *Stereonychus phyllireae* Chevrolat, 1859 (Curculionidae). The occurrence in Sardinia of *Polydrusus cervinus* (Linnaeus, 1758) (Curculionidae) is confirmed.

**Key words:** Curculionoidea, Sardinia, new records, faunistics, biogeography.

## RIASSUNTO

Reperti di Curculionoidea della Foresta Demaniale di Marganai e di altre località della Sardegna centro-meridionale (Coleoptera: Anthribidae, Attelabidae, Rhynchitidae, Apionidae, Nanophyidae, Brachyceridae, Curculionidae, Raymondionymidae, Dryophthoridae)

Gli autori forniscono dati di raccolta, ecologici e biogeografici per 156 specie di Curculionoidea (Anthribidae, Attelabidae, Rhynchitidae, Apionidae, Nanophyidae, Brachyceridae, Curculionidae, Raymondionymidae, Dryophthoridae) provenienti principalmente dall'Iglesiente. Esse rappresentano il 26% delle specie di queste famiglie finora citate di Sardegna. *Dorytomus dejeani* Faust, 1882 (Curculionidae), *Enedreytes hilaris* Fåhræus, 1839 (Anthribidae) e *Stereonychus phyllireae* Chevrolat, 1859 (Curculionidae) risultano nuovi per l'isola, e la presenza di *Polydrusus cervinus* (Linnaeus, 1758) (Curculionidae), sinora ritenuta dubbia, è confermata.

## INTRODUCTION

The superfamily Curculionoidea comprises, according to Alonso-Zarazaga & Lyal (1999, 2002) and Lyal & Alonso-Zarazaga (2006), 23 families and more than 60,000 species worldwide, being by far the most speciose of the Coleoptera and of the whole

Animal Kingdom (O'Brien & Wibmer 1979). This note deals with the families Anthribidae, Attelabidae, Rhynchitidae, Apionidae, Nanophyidae, Brachyceridae, Curculionidae, Raymondionymidae and Dryophthoridae, whereas the Scolytidae and Platypodiidae are treated in a separate chapter (Gatti 2011).

In addition to the above-mentioned families, a few

Nemonychidae are found also in Italy, but this family was not represented in the study area.

According to Colonnelli (2003, and unpublished data), the number of Curculionoidea taxa of specific or subspecific rank occurring in Italy is about 2,300. In Sardinia over 600 taxa are recorded (Abbazzi & Osella 1992; Abbazzi & Maggini 2009; Colonnelli, unpublished data), and every year additional species – some new – are recorded from this large island. The number of endemics (98 species by the end of 2006 according to our unpublished data) is notheworthy, and they are increasing as soon as exploration of quite remote mountain areas of the relatively unspoiled interior takes place.

Curculionoidea are almost all phytophagous Coleoptera characterized by the presence of an extension of the anterior margin of the head, where the mouthparts are inserted, which forms the so-called rostrum. This can vary from very short to extremely elongate. Females usually use the rostrum to dig a hole in the suitable part of the host plant, where they lay eggs. The larvae are endophagous as a general rule, except in a few cases. The size and appearance of curculionids are extremely variable, ranging in Italy from 0.5 to over 20 mm, with body shape varying from almost round to very elongate. Quite a few are pests of cultivated crops or forests, although the large majority of them develop on wild plants, and thus do not affect agricultural activities.

## MATERIAL AND METHODS

The present note is based on the researches carried out by staff of the Centro Nazionale per lo Studio e la Conservazione della Biodiversità Forestale "Bosco Fontana" of Verona (Italy), during the years 2003 to 2008. Collecting methods and description of habitats are explained in the introductory parts of this volume (Angius et al. 2011; Bardiani 2011). These data were integrated with few records from other researches.

All specimens are preserved in the collection of the above-mentioned institute, and a few vouchers are also in the authors' collections in Rome, Verona and Porto Mantovano, respectively.

Families are arranged taxonomically according to Alonso-Zarazaga & Lyal (1999) and Abbazzi & Maggini (2009), and species alphabetically according to Abbazzi & Maggini (2009), Colonnelli & Osella (2009) and Löbl & Smetana (2010); for practical reasons the subgenera were omitted.

Previously unpublished collecting localities and those taken from the literature were attributed to provinces

according to the current administrative arrangement of Sardinia (Cagliari, Carbonia-Iglesias, Medio Campidano, Nuoro, Ogliastra, Oristano, Sassari), and listed in alphabetic order.

The assignment to chorotypes follows Vigna Taglianti et al. (1999) and Abbazzi & Maggini (2009). The following data are provided for each record: sampling site, date, collector/s, method, number of specimens, collection or bibliographic reference.

## ABBREVIATIONS

SAMPLING SITES. **A01** = Medio Campidano prov., Arbus, Piscinas, 0 m, 32S 452927 4376897; **A02** = Medio Campidano prov., Arbus, Marina di Arbus, 10 m, 32S 454504 4383252; **A05** = Carbonia-Iglesias prov., Buggerru, foce Rio Mannu, dune, 3 m, 32S 449437 4365545; **A06** = Carbonia-Iglesias prov., Buggerru, Cala Domestica, 10 m, 32S 446540 4358436; **A12** = Cagliari prov., Domus de Maria, Torre di Chia, spiaggia di Su Portu, 1 m, 32S 490072 4305296; **A21** = Oristano prov., Terralba, stagno di Marceddì, 32S 457917 4397594; **C01** = Carbonia-Iglesias prov., Iglesias, Case Marganai, 725 m, 32S 463890 4355925; **C03** = Iglesias, Vecchia Cantoniera Marganai, 491 m, 32S 462272 4354677; **C06** = Carbonia-Iglesias prov., Domusnovas, Grotta di San Giovanni, 325 m, 32S 467900 4354891; **C07** = Carbonia-Iglesias prov., Domusnovas, dint. Planargia-Scoveri, 625 m, 32S 465523 4362921; **C08** = Carbonia-Iglesias prov., Domusnovas, pineta, 595 m, 32S 466970 4362400; **C10** = Medio Campidano prov., Villacidro, dint. P.ta piscina Argiolas, 282 m, 32S 472049 4360081; **C11** = Medio Campidano prov., Villacidro, Can.li Serci, 381 m, 32S 472208 4359497; **C12** = Medio Campidano prov., Villacidro, versante destro Can.li s'Otti, 520 m, 32S 471690 4359611; **C13** = Medio Campidano prov., Villacidro, Can.li Serci, dint. P.ta Pranu Illixi, 563 m, 32S 471221 4359310; **C14** = Carbonia-Iglesias prov., Domusnovas, Sedda Pranu Cardu, 549 m, 32S 470926 4358924; **C16** = Carbonia-Iglesias prov., Domusnovas, Gutturu Seu, 174 m, 32S 471577 4355716; **C17** = Carbonia-Iglesias prov., Iglesias, P.ta Fenu, 373 m, 32S 471626 4357617; **C18** = Medio Campidano prov., Villacidro, Rio Cannisoni, 390 m, 32S 469095 4362383; **C19** = Medio Campidano prov., Villacidro, Rio Cannisoni, 375 m, 32S 468713 4362692; **C20** = Medio Campidano prov., Villacidro, Rio Cannisoni, 382 m, 32S 468980 4362541; **C23** = Medio Campidano prov., Villacidro, Rio Cannisoni, radura sponda sinistra, 401 m, 32S 468459 4362806; **C26** = Carbonia-Iglesias prov., Domusnovas, Bega d'Aleni, 621 m, 32S 467855 4361336; **C27** = Medio Campidano prov., Gonnosfanàdiga, M. Idda, strada per Monte Linas, 474 m, 32S 466946 4368997; **C28** = Medio Campidano prov., Gonnosfanàdiga, Sa P.ta de S'Erbaceu, 744 m, 32S 465989 4368410; **C29** = Medio Campidano prov., Gonnosfanàdiga, Genna Mirratta, 794 m, 32S 465363 4366138; **C30** = Medio Campidano

prov., Gonnosfanàdiga, dint. Ovile Linas, 710 m, 32S 466346 4365201; **C31** = Carbonia-Iglesias prov., Domusnovas, Lago Siuru, 322 m, 32S 467069 4357916; **C34** = Carbonia-Iglesias prov., Domusnovas, Rio sa Duchessa, greto, 270 m, 32S 466700 4356979; **C35** = Carbonia-Iglesias prov., Iglesias, "Mamenga", 610 m, 32S 462170 4356618; **C36** = Medio Campidano prov., Villacidro, dint. Lago di Montimannu, lungo Torrente Leni, 256 m, 32S 474156 4363150; **C42** = Carbonia-Iglesias prov., Iglesias, Conca Margiani, 750 m, 32S 462440, 4356936; **C43** = Carbonia-Iglesias prov., Iglesias, Conca Margiani, radura, 725 m, 32S 462470 4357011; **C44** = Carbonia-Iglesias prov., Iglesias, Conca Margiani, radura lungo strada, 700 m, 32S 462635 4356866; **C47** = Carbonia-Iglesias prov., Domusnovas, Valle Oridda, sorgente, 590 m, 32S 466681 4362696; **C49** = Medio Campidano prov., Villacidro, Torrente Leni, 300 m, 32S 471317 4360510; **C50** = Medio Campidano prov., Villacidro, C. Sarais, 251 m, 32S 474215 4361145; **C53** = Medio Campidano prov., Gonnosfanàdiga, Monte Linas, P.ta su Filixi, 780 m, 32S 465819 4368289; **C55** = Medio Campidano prov., Gonnosfanàdiga, Monte Linas, Genna Mirratta, sorgente, 793 m, 32S 465136 4366226; **C56** = Medio Campidano prov., Gonnosfanàdiga, Monte Linas, Genna sa Xirra, 847 m, 32S 464114 4366023; **C58** = Medio Campidano prov., Villacidro, dint. P.ta piscina Argiolas, rigagnolo, 282 m, 32S 472049 4360081; **C60** = Carbonia-Iglesias prov., Domusnovas, dint. Gutturu Abis, 580 m, 32S 468140 4360761; **C62** = Carbonia-Iglesias prov., Iglesias, P.ta S. Michele, 906 m, 32S 465910 4354561; **C69** = Carbonia-Iglesias prov., Domusnovas, dint. sa Duchessa, strada per Perda Niedda, 350 m, 32S 466233 4359025; **C70** = Carbonia-Iglesias prov., Iglesias, dint. Case Marganai, 660 m, 32S 463341 4356196; **C77** = Carbonia-Iglesias prov., Iglesias, dint. Case Marganai, car net da C85 a C01, 650 m; **C78** = Carbonia-Iglesias prov., Iglesias, dint. Conca Margiani, 674 m, 32S 462534 4356659; **C79** = Carbonia-Iglesias prov., Iglesias, M.ti Marganai, dint. Reigraxius, 703 m, 32S 463104 4356759; **C81** = Carbonia-Iglesias prov., Domusnovas, Valle Oridda, 643 m, 32S 465399 4362770; **C82** = Carbonia-Iglesias prov., Iglesias, M.ti Marganai, Tintillonis, 480 m, 32S 462590 4355061; **C85** = Carbonia-Iglesias prov., Iglesias, M.ti Marganai, 540 m, 32S 463010 4355249; **G01** = Nuoro prov., Oliena, Monte Maggione, 624 m, 32T 535451 4456520; **G04** = Nuoro prov., Orgosolo, Oristillai, 947 m, 32T 529688 4446725; **G05** = Ogliastra prov., Seui, dint. Monte Tonneri, 876 m, 32S 530745 4410020; **G06** = Ogliastra prov., Seui, dint. Monte Tonneri, sorg. Nuletta, 892 m, 32S 531716 4412341; **G07** = Ogliastra prov., Seui, dint. Monte Tonneri, Sa ucca 'e su Oe, 912 m, 32S 531228 4413496; **G09** = Cagliari prov., Villanovatulo, Nuraghe is Cangialis, 373 m, 32S 517956 4400645; **G10** = Ogliastra prov., Seui, Foresteria Montarbu, 867 m, 32S 534040 4413461; **G14** = Cagliari prov., Burcei, dint. P.ta Serpeddi, 785 m, 32S 526996 4356738; **G25** = Nuoro prov., Mamoiada, S.S.389 Km 125 + III direzione Fonni, abbeveratoio, 824 m, 32T 523683 4445686; **G27** = Nuoro prov., Gavoi, L. di Gusana, dint. sor-

gente dell'asinello, 654 m, 32T 517254 4443424; **G28** = Nuoro prov., Gavoi, dint. N.S. d'Itria, torrente, 828 m, 32T 521606 4446736; **G29** = Nuoro prov., Gavoi, dint. N.S. d'Itria, fontana Su Gaddu, 835 m, 32T 522619 4446694; **G31** = Medio Campidano prov., Gesturi, Giara di Gesturi, 568 m, 32S 495926 4401318; **G35** = Nuoro prov., Lodé, Sant'Anna, strada per Siniscola, 490 m, 32T 554459 4491980; **G36** = Nuoro prov., dint. Lula, 530 m, 32T 542525 4480254; **G39** = Ogliastra prov., dint. Talana, 478 m, 32T 542523 4433941; **G40** = Ogliastra prov., Gairo, dint. Monte Perda Liana, 1060 m, 32S 535438 4418611; **G41** = Ogliastra prov., Gairo, Monte Perda Liana, 1219 m, 32S 535096 4417848; **G42** = Ogliastra prov., Villagrande Strisaili, dint. Lago Alto del Flumendosa, strada per Perda Liana, 814 m, 32T 536520 4421100; **G43** = Nuoro prov., Fonni, dint. P.te Gùspene, 940 m, 32T 525309 4440283; **G44** = Nuoro prov., Desulo, Rio Aratu, 958 m, 32T 521882 4431913; **G46** = Nuoro prov., Gadoni, F. Flumendosa, riva, 402 m, 32S 516364 4416019; **G47** = Cagliari prov., dint. Seulo, 743 m, 32S 521714 4414340; **G50** = Oristano prov., Cabras, Tharros, 9 m, 32S 452048 4414023; **G52** = Ogliastra prov., Seui, dint. Monte Tonneri, 825 m, 32S 533277 4411585; **G55** = Ogliastra prov., Gairo, Monte Tonneri, dint. Nuraghe Ardassai, lecceta, 1020 m, 32S 529111 4415819; **G56** = Ogliastra prov., Seui, 800 m, 32S 527585 4409970; **G59** = Nuoro prov., Mamoiada, San Cosimo, fontana ingresso sud del paese, 881 m, 32T 522247 4448626; **L01**: Olbia-Tempio prov., Olbia, Isola Mollara; **L02**: Olbia-Tempio prov., San Teodoro, Cala Brandinchi, 0 m; **L03**: Sassari prov., Porto Torres, Isola Asinara, Cala d'Arena; **L04**: Sassari prov., Sorso, Marina di Sorso, 0 m; **L05**: Oristano prov., Oristano; **L06**: Carbonia-Iglesias prov., Carloforte, Isola di San Pietro, Guardia dei Mori; **L07**: Carbonia-Iglesias prov., Sant'Antioco, Isola la Vacca; **S1** = Carbonia-Iglesias prov., Iglesias, dint. colonia Beneck, 636 m, 32S 462391 4355441; **S2** = Carbonia-Iglesias prov., Domusnovas, sa Duchessa, 371 m, 32S 464990 4358384; **S3** = Carbonia-Iglesias prov., Domusnovas, Valle Oridda, 592 m, 32S 466973 4362228; **SAR1** = Carbonia-Iglesias prov., Iglesias, Marganai, plot CONECOFOR SAR1, 700 m, 32S 462853 4355582.

COLLECTORS. CM = C. Meloni; DA = D. Avesani; DB = D. Birtele; DW = D. Whitmore; EG = E. Gatti; EM = E. Minari; FC = F. Chessa; FM = F. Mason; GC = G. Chessa; GN = G. Nardi; GS = G. Scaglioni; LF = L. Fancello; LS = L. Spada; MA = M. Armeni; MB = M. Bardiani; MM = M. Mei; MT = M. Tisato; MTr = M. Trizzino; MZ = M. Zapparoli; PA = P. Audisio; PCe = P. Cerretti; PCo = P. Cornacchia; PL = P. Leo; VV = V. Vomero. DEPOSITORIES. CEC = E. Colonnelli collection (Rome); CNBFVR = Centro Nazionale per lo Studio e la Conservazione della Biodiversità Forestale "Bosco Fontana" di Verona (Marmirolo, Mantua); CPC = P. Cornacchia collection (Porto Mantovano, Mantua).

OTHER ABBREVIATIONS AND RECURRENT TERMS USED IN FAUNISTIC LIST. Abbeveratoio = drinking trough; bz = glass trunk trap (beer and sugar); cn = car net; dc = direct collecting; dint. = environs of;

dune = dunes; ex = specimen/s; fiume = river; foce = river mouth; fontana = fountain; greto = riverbed; Isola di = Island of; km dalla foce del = km from the mouth of; Lago = Lake; lecceta = holm oak forest; lt = light trap; M. = Monte; Monte = Mount; mt = Malaise trap; M.ti = Mounts; oe = entomological umbrella; nt = entomological net; pendici = mountain slopes; pineta = pinewood; prov. = province; radura lungo strada = clearing alongside road; radura sponda sinistra = clearing on left bank; rigagnolo = small stream; rio = stream, small river; riva = bank; sdb = same data but; sn = sweep net; sorgente = spring; sotto corteccia = under bark; sotto sassi = under stones; spiaggia = beach; stagno = pond; strada per = road to; torrente = torrent; vaglio = sieve; versante = slope; verso = in direction of; wn = water net; wt = window flight trap.

## FAUNISTIC LIST

### ANTHRIBIDAE Billberg, 1820

#### 1. *Anthrribus fasciatus* (Forster, 1770)

RECORDS. **C23**: 19.V.2006, PCo MB DB DW, sn, 1 ex (CNBFVR).

CHOROTYPE. W-Palaearctic.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. Larvae parasitize females of Homoptera Coccidae of the genera *Eulecanium* Cockerell, 1893 and *Pulvinaria* Targioni Tozzetti, 1866. Adults can be found on bushes and broadleaved trees in April and May (Abbazzi et al. 1999).

#### 2. *Choragus aurolineatus* Abeille, 1893

RECORDS. **C23**: 19–24.V.2006, GC, mt, 1 ex (Colonnelli & Osella 2009). **SAR1**: 5.VIII–13.IX.2005, GC, mt, 1 ex; 16.VI–14.VII.2006, GC, mt, 2 ex (Colonnelli & Osella 2009).

CHOROTYPE. W-Mediterranean.

ITALIAN DISTRIBUTION. Tuscany and Sardinia (Colonnelli & Osella 2009).

ECOLOGY. On small dry branches of broadleaves. Adults in spring and early summer (Pedroni 2004).

#### 3. *Enedreytes hilaris* Fåhraeus, 1839

RECORDS. **S1**: 27.VI–11.VII.2006, GC, mt, 1 ex (CNBFVR); 11–25.VII.2006, FC, mt, 1 ex (CPC).

CHOROTYPE. W-Mediterranean.

ITALIAN DISTRIBUTION. Liguria, Lombardy, Trentino-Alto Adige, Liguria, Emilia-Romagna, Tuscany,

Marches, Latium, Apulia, Basilicata, Calabria, Sicily (Abbazzi & Maggini 2009).

ECOLOGY. On small branches of broadleaves. Adults in spring and summer (Abbazzi et al. 1999).

NOTES. New record for Sardinia.

#### 4. *Melanopsacus grenieri* (C. Brisout, 1867)

RECORDS. **C23**: 19–24.V.2006, MB DB PCo DW, lt, 5 ex (Colonnelli & Osella 2009).

CHOROTYPE. W-Mediterranean.

ITALIAN DISTRIBUTION. Lombardy, Tuscany, Latium, Sardinia (Colonnelli & Osella 2009).

ECOLOGY. Larvae under bark of *Quercus suber* (Abbazzi et al. 1999). Adults in late spring (Pedroni 2004).

NOTES. Rare species recently found in Italy, from where it is known only from a few localities (Pedroni 2004; Colonnelli & Osella 2009).

### ATTELABIDAE Billberg, 1820

#### 5. *Attelabus nitens* (Scopoli, 1763)

RECORDS. **C03**: 9.VI.2004, GN, sn, 2 ex (CNBFVR); 23.V.2006, PCo MB DB DW, nt, 1 ex (CNBFVR). **C06**: 12.VI.2004, GN, dc, 1 ex (CNBFVR). **C28**: 22.V.2006, PCo MB DB DW, sn, 2 ex (CNBFVR). **C79**: 7.VI.2004, GN MT, dc, 1 ex (CNBFVR). **C82**: 7.VI.2004, GN, dc, 2 ex (CNBFVR). **G46**: 17.V.2008, MB PA GN MTr, sn, 1 ex (CNBFVR). **G47**: 17.V.2008, GN PA MB MTr, sn, 1 ex (CNBFVR). **SAR1**: 16.II–15.VI.2004, DB PCe GN DW, mt, 2 ex (CNBFVR); 15–30.VI.2004, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. Sibero-European.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. Larvae develop inside leaves of several broadleaved trees rolled by the female. Adults from early spring (Hoffmann 1958).

### RHYNCHITIDAE Gistel, 1856

#### 6. *Eomesauletes politus* (Lepelletier & Audinet-Serville, 1825)

RECORDS. **C03**: 9.VI.2004, GN, sn, 1 ex (CNBFVR). **C23**: 19–24.V.2006, MB DB PCo DW, mt, 1 ex (CNBFVR); sdb MB DB PCo DW, lt, 1 ex (CNBFVR). **C31**: 20–23.V.2006, MB DB PCo DW, lt, 1 ex (CNBFVR); MB PCo DB DW, mt, 1 ex (CNBFVR). **G35**: 15.V.2008, GN PA MB MTr, sn,



1 ex (CNBFVR). **G46**: 17.V.2008, MB PA GN MTr, sn, 1 ex (CNBFVR). **G47**: 17.V.2008, GN PA MB MTr, sn, 2 ex (CNBFVR). **S1**: 2–16.V.2006, GC, mt, 1 ex (CNBFVR); 16–30.V.2006, GC, mt, 1 ex (CNBFVR). **S2**: 4–18.IV.2006, GC, mt, 3 ex (CNBFVR); 18.IV–2.V.2006, GC, mt, 11 ex (CNBFVR); 2–16.V.2006, GC, mt, 3 ex (CNBFVR). **SAR1**: 16.II–15.VI.2004, DB PCe GN DW, mt, 5 ex (CNBFVR); 15–30.VI.2004, GC, mt, 1 ex (CNBFVR); 29.IV–20.V.2005, GC, mt, 1 ex (CNBFVR); 20.V–16.VI.2005, GC, wt, 4 ex (CNBFVR); 16.VI–14.VII.2005, GC, wt, 1 ex (CNBFVR).

CHOROTYPE. Europeo-Mediterranean.

ITALIAN DISTRIBUTION. Almost all regions (Abbazzi & Maggini 2009, as *Auletobius politus*).

ECOLOGY. On oak leaves (Hoffmann 1958, as *Auletes (Auletobius) politus*).

#### 7. *Mesauletobius pubescens* (Kiesenwetter, 1852)

RECORDS. **G47**: 17.V.2008, MB PA GN MTr, sn, 1 ex (CNBFVR). **S2**: 16–30.V.2006, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. Mediterranean.

ITALIAN DISTRIBUTION. Cited of most regions where its host plant grows (Abbazzi & Maggini 2009, as *Auletobius pubescens*).

ECOLOGY. On *Cistus*; adults in spring (Hoffmann 1958, as *Auletes (Auletobius) pubescens*).

#### 8. *Rhodocytus cribripennis* (Desbrochers, 1869)

RECORDS. **C59**: 10.XI.2006, GN MZ, vaglio, 2 ex (CNBFVR). **C82**: 9.VI.2004, GN, sn, 1 ex (CNBFVR). **S1**: 2–16.V.2006, GC, mt, 1 ex.

CHOROTYPE. N-Mediterranean.

ITALIAN DISTRIBUTION. In most regions (Abbazzi & Maggini 2009).

ECOLOGY. Larvae inside fruits of *Olea* and *Fraxinus*. Adults appear in spring and are sometimes injurious to olive trees (Hoffmann 1958, as *Rhynchites (Coenorhinus) cribripennis*).

#### 9. *Rhynchites auratus* (Scopoli, 1763)

RECORDS. **S1**: 16–30.V.2006, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. Palaearctic.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. Larvae inside fruits of trees of the family Rosaceae. Adults in spring, sometimes injurious to plums and apples (Hoffmann 1958).

### APIONIDAE Schoenherr, 1823

#### 10. *Aspidapion aeneum* (Fabricius, 1775)

RECORDS. **C55**: 12.IX.2006, GN, nt, 1 ex (CNBFVR). **C82**: 13.VI.2004, GN, sn, 1 ex (CNBFVR). **SAR1**: 8–21.IX.2004, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. W-Palaearctic.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. Larvae develop in Malvaceae fruits. Adults from spring to autumn (Hoffmann 1958, as *Apion (Aspidapion) aeneum*).

#### 11. *Aspidapion radiolus radiolus* (Marsham, 1802)

RECORDS. **C10**: 12.IX.2006, DAMB DB GN, lt, 2 ex (CNBFVR). **C36**: 18.V.2008, GN PA MB MTr, sn, 1 ex (CNBFVR). **C49**: 9.IX.2006, DA MB DB GN, nt, 1 ex (CNBFVR). **C55**: 12.IX.2006, MB DA DB GN, sn, 1 ex (CNBFVR); 12.IX.2006, GN, nt, 2 ex (CNBFVR). **G36**: 15.V.2008, GN PA MB MTr, sn, 2 ex (CNBFVR). **S1**: 13–27.VI.2006, GC, mt, 1 ex (CNBFVR). **SAR1**: 30.VI–16.VIII.2004, GC, mt, 1 ex (CNBFVR); 16.VII–1.VIII.2004, GC, wt, 1 ex (CNBFVR); 16.VIII–9.IX.2004, GC, mt, 2 ex (CNBFVR).

CHOROTYPE. Palaearctic.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009, as *A. radiolus*).

ECOLOGY. Ecology similar to that of the previous species (Hoffmann 1958, as *Apion (Aspidapion) radiolus*).

#### 12. *Catapion corsicum* (Desbrochers, 1888)

RECORDS. **S1**: 21.III–4.IV.2006, GC, mt, 2 ex (CEC; CNBFVR).

CHOROTYPE. Tyrrhenian.

ITALIAN DISTRIBUTION. Liguria, Emilia-Romagna, Tuscany, Latium, Abruzzi, southern mainland regions, Sicily and Sardinia (Abbazzi & Maggini 2009).

ECOLOGY. On *Melilotus* (Hoffmann 1958, as *Apion (C.) corsicum*).

#### 13. *Catapion seniculus* (W. Kirby, 1808)

RECORDS. **C14**: 8.IX.2006, DA GN MB DB, lt, 1 ex (CNBFVR). **C31**: 20–23.V.2006, MB PCo DB DW, mt, 1 ex (CNBFVR). **C58**: 12.IX.2006, DA MB DB GN, lt, 1 ex (CNBFVR). **S1**: 21.III–4.IV.2006, GC, mt, 1 ex (CNBFVR); 30.V–13.VI.2006, GC, mt, 1 ex (CNBFVR). **S2**: 30.V–13.VI.2006, GC, mt, 1 ex (CNBFVR). **S3**: 2–16.V.2006, GC, mt, 1 ex (CNBFVR); 16–30.V.2006, GC, mt, 1 ex (CNBFVR); 25.VII–8.VIII.2006, GC,

mt, 1 ex (CNBFVR).

CHOROTYPE. W-Palaeartic.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. Larvae develop on Fabaceae. Adults almost all year round (Hoffmann 1958, as *Apion (C.) seniculus*; Colonnelli, unpublished data).

#### 14. *Catapion seriatosetosulum* (Wencker, 1864)

RECORDS. **G35**: 15.V.2008, GN PA MB MTI, sn, 1 ex (CNBFVR). **S1**: 21.III–4.IV.2006, GC, mt, 1 ex (CNBFVR); 18.IV–2.V.2006, FC, mt, 1 ex (CNBFVR). **S2**: 21.III–4.IV.2006, GC, mt, 1 ex (CNBFVR). **S3**: 21.III–4.IV.2006, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. Mediterranean.

ITALIAN DISTRIBUTION. Almost all regions (Abbazzi & Maggini 2009).

ECOLOGY. Larvae develop on *Medicago*. Adults from spring to autumn (Hoffmann 1958, as *Apion (C.) seriatosetosulum*).

#### 15. *Ceratapion gibbirostre* (Gyllenhal, 1813)

RECORDS. **A21**: 25.V.2006, PCo MB DB DW, sn, 1 ex (CNBFVR). **C10**: 12.IX.2006, DA MB DB GN, lt, 5 ex (CNBFVR). **C12**: 21.V.2006, MB DB PCo DW, lt, 1 ex (CNBFVR). **C16**: 21.III.2006, PCo, sn, 1 ex (CNBFVR). **C31**: 12.XI.2006, GN, dc sotto sassi, 4 ex (CNBFVR). **C36**: 18.V.2008, GN PA MB MTI, sn, 1 ex (CNBFVR). **G04**: 4.IX.2006, MB DA DB GN, oe on *Quercus ilex*, 1 ex (CNBFVR). **L07**: 26.VI.1987, VV, 1 ex (CNBFVR). **S1**: 13–27.VI.2006, GC, mt, 1 ex (CNBFVR). **SARI**: 5–22.XI.2004, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. W-Palaeartic.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. Larvae develop on *Onopordum acanthium*, whereas adults are also found on *Cirsium* and *Carduus* (Mifsud & Colonnelli 2010). Adults all year round (Colonnelli, unpublished data).

#### 16. *Ceratapion scalptum scalptum* (Mulsant & Rey, 1858)

RECORDS. **C11**: 8.IX.2006, GN, lt, 2 ex (CNBFVR). **C31**: 12.XI.2006, GN, dc sotto sassi, 3 ex (CNBFVR); 12.XI.2006, GN, sn, 1 ex (CEC).

CHOROTYPE. Sibero-Europeo-Mediterranean.

ITALIAN DISTRIBUTION. Almost all regions (Abbazzi &

Maggini 2009).

ECOLOGY. Larvae develop inside stems of several thistles (Wanat 1995).

#### 17. *Cistapion cyanescens* (Gyllenhal, 1833)

RECORDS. **G06**: 5.IX.2006, DA MB DB GN, nt, 1 ex (CNBFVR). **S1**: 13–27.VI.2006, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. W-Mediterranean.

ITALIAN DISTRIBUTION. Liguria, Tuscany, Umbria, Marches, Latium, Abruzzi, Sicily and Sardinia (Abbazzi & Maggini 2009).

ECOLOGY. Larvae develop on *Cistus* (Hoffmann 1958, as *Apion (Eutrichapion) cyanescens*). A quite uncommon and local species (Colonnelli, unpublished data).

#### 18. *Diplapion confluens* (W. Kirby, 1808)

RECORDS. **A21**: 25.V.2006, MB DB PCo DW, sn, 1 ex (CNBFVR). **C03**: 9.VI.2004, GN, sn, 1 ex (CNBFVR). **C31**: 20–23.V.2006, MB PCo DB DW, mt, 1 ex (CNBFVR). **S1**: 13–27.VI.2006, GC, mt, 1 ex (CNBFVR). **S3**: 16–30.V.2006, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. W-Palaeartic.

ITALIAN DISTRIBUTION. Almost all regions (Abbazzi & Maggini 2009).

ECOLOGY. On *Matricharia*, *Tripleurospermum* and *Anthemis* (Wanat 1995).

#### 19. *Eutrichapion viciae* (Paykull, 1800)

RECORDS. **L01**: 2.VII.1987, VV, 2 ex (CNBFVR).

CHOROTYPE. Palaeartic.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On Fabaceae of the genera *Lathyrus*, *Melilotus*, *Trifolium* and *Vicia* (Abbazzi & Maggini 2009).

NOTES. Species already recorded from the above small island (Gregori & Osella 1989).

#### 20. *Eutrichapion vorax* (Herbst, 1797)

RECORDS. **C01**: 29.IX–21.X.2003, DB PCo EM MT DW, mt, 1 ex (CNBFVR). **C31**: 20–23.V.2006, MB PCo DB DW, mt, 1 ex (CNBFVR); 12.XI.2006, GN, dc sotto sassi, 1 ex (CNBFVR). **C49**: 9.IX.2006, DA MB DB GN, nt, 1 ex (CNBFVR). **C55**: 12.IX.2006, GN, sn, 8 ex (CNBFVR). **S1**: 21.III–4.IV.2006, GC, mt, 10 ex (CNBFVR); 4–18.IV.2006, GC, mt, 1 ex (CNBFVR); 18.IV–2.V.2006, GC, mt, 4 ex (CNBFVR); 2–16.V.2006, GC, mt, 6 ex (CNBFVR); 16–

30.V.2006, GC, mt, 4 ex (CNBFVR). **S2**: 2–16.V.2006, GC, mt, 3 ex (CNBFVR); 16–30.V.2006, GC, mt, 1 ex (CNBFVR); 30.V–13.VI.2006, GC, mt, 1 ex (CNBFVR). **S3**: 4–18.IV.2006, GC, mt, 4 ex (CNBFVR); 18.IV–2.V.2006, GC, mt, 5 ex (CNBFVR); 2–16.V.2006, GC, mt, 8 ex (CNBFVR). **SAR1**: 15–30.VI.2004, GC, mt, 1 ex (CNBFVR); 16.VII–1.VIII.2004, GC, mt, 1 ex (CNBFVR); 16.VIII–9.IX.2004, GC, mt, 2 ex (CNBFVR); 9–21.IX.2004, GC, mt, 1 ex (CNBFVR); 21.IX–6.X.2004, GC, mt, 2 ex (CNBFVR); 5–22.XI.2004, GC, mt, 2 ex (CNBFVR); 22.XI–17.XII.2004, GC, mt, 1 ex (CNBFVR); 17.XII.2004–4.I.2005, GC, mt, 2 ex (CNBFVR); 4–18.I.2005, GC, mt, 1 ex (CNBFVR); 18.I–1.III.2005, GC, mt, 1 ex (CNBFVR); 16.VI–14.VII.2005, GC, mt, 1 ex (CNBFVR); 13–30.IX.2005, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. W-Palaearctic.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. Larvae develop on several Fabaceae (Hoffmann 1958, as *Apion (E.) vorax*).

#### 21. *Exapion fulvum* (Desbrochers, 1895)

RECORDS. **G41**: 16.V.2008, GN PA MB MTr, dc, 1 ex (CNBFVR).

CHOROTYPE. Tyrrhenian.

ITALIAN DISTRIBUTION. Sardinia (Abbazzi & Maggini 2009).

ECOLOGY. On *Genista corsica* (Abbazzi & Maggini 2009).

#### 22. *Hemitrichapion pavidum* (Germar, 1817)

RECORDS. **S1**: 2–16.V.2006, GC, mt, 1 ex (Colonnelli & Osella 2009).

CHOROTYPE. W-Palaearctic.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009; Colonnelli & Osella 2009).

ECOLOGY. On *Coronilla* (Dieckmann 1977; Colonnelli & Osella 2009).

#### 23. *Holotrichapion antennale* (Desbrochers, 1896)

RECORDS. **C01**: 21.X–17.XI.2003, DB PCe EM MT DW, mt, 1 ex (CNBFVR). **C60**: 10.XI.2006, MB GN MZ DW, oe, 5 ex (CNBFVR). **C77**: 9.VI.2004, DB PCe GN MT DW, cn, 1 ex (CNBFVR). **G01**: 4.IX.2006, GN, sn, 1 ex (CNBFVR). **S1**: 16–30.V.2006, GC, mt, 2 ex (CNBFVR); 17–31.X.2006, GC, mt, 1 ex (CNBFVR). **S2**: 2–16.V.2006, GC, mt, 1 ex (CNBFVR). **SAR1**: 8–21.I.2004, GC, mt, 1 ex (CNBFVR); 21.I–16.II.2004, GC, mt, 3 ex (CNBFVR); 18.I–1.III.2005,

GC, mt, 2 ex (CNBFVR); 1.III–29.IV.2005, GC, mt, 3 ex (CNBFVR).

CHOROTYPE. Mediterranean.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On *Vicia* spp. (Abbazzi & Maggini 2009).

#### 24. *Holotrichapion gracilicollae* (Gyllenhal, 1839)

RECORDS. **C03**: 9.VI.2004, GN, sn, 4 ex (CEC). **C69**: 8.VI.2004, GN, dc, 1 ex (CNBFVR). **C82**: 7.VI.2004, GN, dc, 4 ex (CNBFVR); 9–10.VI.2004, DB PCe GN DW, mt, 4 ex (CNBFVR). **L06**: 27.VI.1987, VV, 105 ex (CNBFVR).

CHOROTYPE. Europeo-Mediterranean.

ITALIAN DISTRIBUTION. Piedmont, Liguria, all central and southern mainland regions, Sicily, Sardinia (Abbazzi & Maggini 2009).

ECOLOGY. Larvae induce galls on stems of *Lathyrus* and *Vicia* (Hoffmann 1958, as *Apion (s. st.) gracilicollae*).

NOTES. Species already recorded from San Pietro Island (Gregori & Osella 1989).

#### 25. *Holotrichapion pisi* (Fabricius, 1798)

RECORDS. **C01**: 29.IX–21.X.2003, DB PCe EM MT DW, mt, 1 ex (CNBFVR). **C03**: 9.VI.2004, GN, sn, 41 ex (CNBFVR); **C31**: 12.VII.2006, MB DA DB PCe DW, sn, 3 ex (CEC). **C69**: 8.VI.2004, GN, dc, 1 ex (CNBFVR). **C82**: 7.VI.2004, GN, dc, 4 ex (CNBFVR); 9.VI.2004, GN, dc, 2 ex (CNBFVR). **G35**: 15.V.2008, GN PA MB MTr, sn, 1 ex (CNBFVR). **S1**: 2–16.V.2006, GC, mt, 1 ex (CNBFVR). **SAR1**: 6.X–5.XI.2004, GC, pt, 1 ex (CNBFVR).

CHOROTYPE. Europeo-Mediterranean.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. Larvae induce galls on stems of *Lathyrus* and *Vicia* (Hoffmann 1958, as *Apion (s. st.) pisi*).

#### 26. *Holotrichapion umbrinum* (Wollaston, 1864)

RECORDS. **A01**: 26.III.2006, PCo, sn, 2 ex (Colonnelli & Osella 2009, as *H. barbirostre* (Hoffmann, 1952)). **A02**: 26.III.2006, PCo, sn, 1 ex (Colonnelli & Osella 2009).

CHOROTYPE. Turano-Mediterranean-Macaronesian.

ITALIAN DISTRIBUTION. Sicily (Abbazzi & Maggini 2009), Sardinia (Colonnelli & Osella 2009).

ECOLOGY. Unknown, probably on Fabaceae.

NOTES. For the synonymy *H. umbrinum* = *H. bar-*

*birostre* (A. Hoffmann, 1952), see Alonso-Zarazaga (2011).

27. *Ischnopteron modestum* (Germar, 1817)

RECORDS. **G36**: 15.V.2008, GN PAMB MTr, sn, 1 ex (CNBFVR).

CHOROTYPE. Europeo-Mediterranean.

ITALIAN DISTRIBUTION. Liguria, Tuscany, Abruzzi, southern mainland regions, Sicily, Sardinia (Abbazzi & Maggini 2009).

ECOLOGY. On Fabaceae (*Lotus uliginosus*, *Ornithopus* spp.) (Abbazzi & Maggini 2009).

28. *Ischnopteron virens* (Herbst, 1797)

RECORDS. **C03**: 9.VI.2004, GN, sn, 1 ex (CNBFVR). **C35**: 12.V.2002, LF, 1 ex (CNBFVR). **SAR1**: 16.VIII–9.IX.2004, GC, mt, 1 ex (CNBFVR); 21.XI–17.XII.2004, GC, mt, 1 ex (CEC); 16.XII.2005–3.I.2006, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. W-Palaeartic.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On *Trifolium* (Hoffmann 1958, as *Apion* (*Eutrichapion*) *virens*).

29. *Malvapion malvae* (Fabricius, 1775)

RECORDS. **SAR1**: 16.VI–14.VII.2005, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. Palaeartic.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On several Malvaceae (Hoffmann 1958, as *Apion* (*M.*) *malvae*).

30. *Oryxolaemus croceifemoratus* (Gyllenhal, 1839)

RECORDS. **S1**: 2–16.V.2006, GC, mt, 1 ex (CNBFVR); 22.VIII–5.IX.2006, FC, mt, 1 ex (CNBFVR). **SAR1**: 20.V–16.VI.2005, GC, mt, 1 ex (CEC).

CHOROTYPE. Europeo-Mediterranean.

ITALIAN DISTRIBUTION. Apulia, Sicily, Sardinia (Abbazzi & Maggini 2009).

ECOLOGY. On *Anagyris foetida* (Giusto 1997).

31. *Oryxolaemus scabiosus* (Weise, 1889)

RECORDS. **C10**: 12.IX.2006, DA MB DB GN, lt, 2 ex (CNBFVR). **C55**: 12.IX.2006, GN, nt, 1 ex (CNBFVR). **S1**: 2–16.V.2006, GC, mt, 2 ex (CNBFVR); 16–30.V.2006,

GC, mt, 3 ex (CNBFVR); 30.V–13.VI.2006, GC, mt, 2 ex (CNBFVR); 27.VI–11.VII.2006, GC, mt, 1 ex (CNBFVR); 5–19.IX.2006, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. Europeo-Mediterranean.

ITALIAN DISTRIBUTION. Liguria, Emilia-Romagna, central and southern mainland regions, Sicily, Sardinia (Abbazzi & Maggini 2009).

ECOLOGY. On *Calycotome* (Giusto 1997).

32. *Oxystoma pomonae* (Fabricius, 1798)

RECORDS. **S1**: 13–27.VI.2006, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. W-Palaeartic.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On several Fabaceae (Hoffmann 1958, as *Apion* (*O.*) *pomonae*).

33. *Perapion curtirostre* (Germar, 1817)

RECORDS. **C03**: 9.VI.2004, GN, sn, 1 ex (CNBFVR). **S1**: 4–18.IV.2006, GC, mt, 1 ex (CNBFVR). **S3**: 2–16.V.2006, GC, mt, 1 ex (CNBFVR); 13–27.VI.2006, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. Palaeartic.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On *Rumex* (Hoffmann 1958, as *Apion* (*P.*) *curtirostre*).

34. *Perapion violaceum* (W. Kirby, 1808)

RECORDS. **C17**: 25.III.2006, MB, sn, 1 ex (CEC). **C19**: 24.III.2006, PCo, sn, 1 ex (CEC). **C27**: 22.V.2006, PCo MB DB DW, sn, 1 ex (CNBFVR). **C35**: 12.V.2002, LF, 1 ex (CNBFVR). **G36**: 15.V.2008, GN PA MB MTr, sn, 1 ex (CNBFVR); MB PA GN MTr, dc, 1 ex (CNBFVR). **G46**: 17.V.2008, GN, sn, 1 ex (CNBFVR). **S1**: 21.III–4.IV.2006, GC, mt, 1 ex (CNBFVR); 2–16.V.2006, GC, mt, 3 ex (CNBFVR); 30.V–13.VI.2006, GC, mt, 1 ex (CNBFVR). **SAR1**: 16.II–15.VI.2004, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. Palaeartic.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On *Rumex* (Hoffmann 1958, as *Apion* (*P.*) *violaceum*).

35. *Phrissotrichum tubiferum* (Gyllenhal, 1833)

RECORDS. **C17**: 25.III.2006, MB, sn, 1 ex (CNBFVR). **C19**:



24.III.2006, PCo, sn, 1 ex (CNBFVR). **C82**: 7.VI.2004, GN, dc, 1 ex (CNBFVR). **G35**: 15.V.2008, GN PA MB MTr, sn, 3 ex (CNBFVR). **G47**: 17.V.2008, MB PA GN MTr, sn, 2 ex (CNBFVR). **S2**: 23.III.2006, PCo, sn, 1 ex (CNBFVR). **S3**: 18.IV–2.V.2006, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. Mediterranean.

ITALIAN DISTRIBUTION. All regions where *Cistus* grows (Abbazzi & Maggini 2009).

ECOLOGY. On *Cistus* (Hoffmann 1958, as *Apion* (*P. tubiferum*)).

### 36. *Protapion assimile* (W. Kirby, 1808)

RECORDS. **C36**: 18.V.2008, GN PA MB MTr, sn, 1 ex (CNBFVR).

CHOROTYPE. W-Palaeartic.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On *Trifolium* spp. (Abbazzi & Maggini 2009).

### 37. *Protapion dentipes* (Gerstaecker, 1854)

RECORDS. **A01**: 10.VI.2004, GN, dc, 1 ex (CEC). **C31**: 20–23.V.2006, MB PCo DB DW, mt, 2 ex (CNBFVR). **S1**: 21.III–4.IV.2006, GC, mt, 1 ex (CEC); 18.IV–2.V.2006, GC, mt, 1 ex (CNBFVR); 2–16.V.2006, GC, mt, 1 ex (CNBFVR); 16–30.V.2006, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. Mediterranean.

ITALIAN DISTRIBUTION. Almost all regions (Abbazzi & Maggini 2009).

ECOLOGY. On *Trifolium* (Russell 2004).

### 38. *Protapion difforme* (Germar, 1818)

RECORDS. **C36**: 18.V.2008, GN PA MB MTr, sn, 1 ex (CNBFVR).

CHOROTYPE. Europeo-Mediterranean.

ITALIAN DISTRIBUTION. Almost all regions (Abbazzi & Maggini 2009).

ECOLOGY. On *Trifolium* spp., occasionally on *Anthriscus sylvestris* and *Polygonum hydropiper* (Abbazzi & Maggini 2009).

### 39. *Protapion laevicolle* (W. Kirby, 1811)

RECORDS. **S1**: 16–30.V.2006, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. Europeo-Mediterranean.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Mag-

gini 2009).

ECOLOGY. On *Trifolium* (Russell 2004).

### 40. *Protapion nigritarse* (W. Kirby, 1808)

RECORDS. **G36**: 15.V.2008, GN PA MB MTr, sn, 1 ex (CNBFVR). **S1**: 21.III–4.IV.2006, GC, mt, 1 ex (CNBFVR); 18.IV–2.V.2006, GC, mt, 2 ex (CEC); 2–16.V.2006, GC, mt, 3 ex (CNBFVR); 16–30.V.2006, GC, mt, 1 ex (CNBFVR). **S2**: 2–16.V.2006, GC, mt, 2 ex (CNBFVR); 16–30.V.2006, GC, mt, 1 ex (CEC). **S3**: 18.IV–2.V.2006, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. W-Palaeartic.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On *Trifolium* (Russell 2004).

### 41. *Protapion trifolii* (Linnaeus, 1768)

RECORDS. **C07**: 20–24.V.2006, MB DB PCo DW, mt, 1 ex (CNBFVR). **C31**: 6.VI.2004, GN MT, sn, 1 ex (CNBFVR); 20–23.V.2006, MB PCo DB DW, mt, 5 ex (CNBFVR); 23.V.2006, PCo MB DB DW, sn, 1 ex (CNBFVR). **S1**: 30.V–13.VI.2006, GC, mt, 1 ex (CNBFVR). **S3**: 30.V–13.VI.2006, GC, mt, 1 ex (CNBFVR); 13–27.VI.2006, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. W-Palaeartic.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On *Trifolium* (Russell 2004).

### 42. *Pseudoprotapion astragali* (Paykull, 1800)

RECORDS. **S1**: 21.III–4.IV.2006, GC, mt, 1 ex (CNBFVR); 4–18.IV.2006, GC, mt, 1 ex (CNBFVR). **SAR1**: 16.II–15.VI.2004, DB PCe GN DW, mt, 1 ex (CNBFVR).

CHOROTYPE. W-Palaeartic.

ITALIAN DISTRIBUTION. Almost all regions (Abbazzi & Maggini 2009).

ECOLOGY. On *Astragalus* (Hoffmann 1958, as *Apion* (s. st.) *astragali*).

### 43. *Squamapion consors consors* (Desbrochers, 1875)

RECORDS. **C18**: 20.V.2008, GN PA MB MTr, dc, 1 ex (CNBFVR). **C31**: 19.V.2008, GN PA MB MTr, sn on *Mentha* sp., 2 ex (CNBFVR). **C32**: 6.IX.2006, GC, nt, 1 ex (CEC). **C36**: 18.V.2008, GN PA MB MTr, sn, 1 ex (CNBFVR).

CHOROTYPE. W-Mediterranean.

ITALIAN DISTRIBUTION. Sicily, Sardinia (Abbazzi & Maggini 2009, as *S. consors*).

ECOLOGY. On *Mentha* (Hoffmann 1958, as *Apion* (*Thymapion*) *consors*).

44. *Taeniapion tyrrhenicum* Alonso-Zarazaga, 2011

RECORDS. **S1**: 16–30.V.2006, GC, mt, 1 ex (CNBFVR); 16–30.V.2006, GC, mt, 2 ex (CEC); 17–31.X.2006, GC, mt, 1 ex (CEC). **S2**: 21.III–4.IV.2006, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. W-Mediterranean.

ITALIAN DISTRIBUTION. Sardinia (Abbazzi & Maggini 2009, as *T. distinctirostre* (Desbrochers, 1888)).

ECOLOGY. On *Urtica atrovirens* (Hoffmann 1958, as *Apion* (*T.*) *rufulum distinctirostre* Desbrochers, 1888).

NOTES. For the synonymy *Taeniapion tyrrhenicum* Alonso-Zarazaga, 2011 = *Apion distinctirostre* Desbrochers, 1888 not *Apion distinctirostre* Desbrochers, 1869, see Alonso-Zarazaga (2011).

NANOPHYIDAE Gistel, 1856

45. *Corimalia postica* (Gyllenhal, 1838)

RECORDS. **A01**: 25.V.2006, PCo MB DB DW, sn on *Tamarix* sp., 3 ex (CNBFVR). **L03**: 1.VII.1987, VV, 1 ex (CNBFVR).

CHOROTYPE. Mediterranean.

ITALIAN DISTRIBUTION. Latium, Abruzzi, southern mainland regions, Sicily, Sardinia (Abbazzi & Maggini 2009).

ECOLOGY. On *Tamarix* (Hoffmann 1958, as *Nanophyes* (*C.*) *posticus*).

46. *Nanophyes hemisphaericus* (Olivier, 1807)

RECORDS. **C47**: 21.III–4.IV.2006, GC, mt, 1 ex (CEC). **S1**: 21.III–4.IV.2006, GC, mt, 1 ex (CNBFVR); 2–16.V.2006, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. W-Palaeartic.

ITALIAN DISTRIBUTION. Latium, Abruzzi, southern mainland regions, Sicily, Sardinia (Abbazzi & Maggini 2009).

ECOLOGY. On *Lythrum* (Hoffmann 1958).

47. *Nanophyes marmoratus marmoratus* (Goeze, 1777)

RECORDS. **S1**: 4–18.IV.2006, GC, mt, 3 ex (CNBFVR).

CHOROTYPE. Palaeartic.

ITALIAN DISTRIBUTION. Almost all regions (Abbazzi & Maggini 2009, as *N. marmoratus*).

ECOLOGY. On *Lythrum* (Hoffmann 1958, as *N.* (s. st.) *marmoratus*).

48. *Nanophyes nitidulus* Gyllenhal, 1838

RECORDS. **C19**: 24.III.2006, PCo, sn, 1 ex (CNBFVR). **C31**: 20–23.V.2006, MB PCo DB DW, mt, 9 ex (CNBFVR). **S1**: 21.III–4.IV.2006, GC, mt, 1 ex (CEC); 4–18.IV.2006, GC, mt, 1 ex (CNBFVR); 18.IV–2.V.2006, GC, mt, 2 ex (CNBFVR); 2–16.V.2006, GC, mt, 6 ex (CNBFVR); 30.V–13.VI.2006, GC, mt, 3 ex (CNBFVR); 13–27.VI.2006, GC, mt, 3 ex (CNBFVR); 27.VI–11.VII.2006, GC, mt, 2 ex (CNBFVR); 11–25.VII.2006, FC, mt, 2 ex (CNBFVR); 19.IX–3.X.2006, GC, mt, 2 ex (CNBFVR). **S2**: 21.III–4.IV.2006, GC, mt, 4 ex (CNBFVR); 23.III.2006, PCo, sn, 1 ex (CNBFVR); 16–30.V.2006, GC, mt, 2 ex (CNBFVR); 13–27.VI.2006, GC, mt, 1 ex (CNBFVR); 27.VI–11.VII.2006, FC, mt, 9 ex (CNBFVR); 25.VII–8.VIII.2006, FC, mt, 3 ex (CNBFVR); 22.VIII–5.IX.2006, FC, mt, 2 ex (CNBFVR); 5–19.IX.2006, GC, mt, 2 ex (CNBFVR); 3–17.X.2006, GC, mt, 1 ex (CNBFVR). **S3**: 4–18.IV.2006, GC, mt, 1 ex (CNBFVR); 18.IV–2.V.2006, GC, mt, 1 ex (CNBFVR); 2–16.V.2006, GC, mt, 2 ex (CNBFVR); 16–30.V.2006, GC, mt, 5 ex (CNBFVR); 30.V–13.VI.2006, GC, mt, 1 ex (CNBFVR); 13–27.VI.2006, GC, mt, 1 ex (CNBFVR). **SAR1**: 16.II–15.VI.2004, DB PCe GN DW, mt, 1 ex (CNBFVR); 1.III–29.IV.2005, GC, mt, 1 ex (CNBFVR); 5.VIII–13.IX.2005, GC, mt, 2 ex (CNBFVR); 3–13.XI.2005, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. Sibero-Europeo-Mediterranean.

ITALIAN DISTRIBUTION. Almost all regions (Abbazzi & Maggini 2009).

ECOLOGY. On *Lythrum* (Hoffmann 1958).

49. *Nanophyes rubricus* Rosenhauer, 1856

RECORDS. **S1**: 27.VI–11.VII.2006, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. W-Mediterranean.

ITALIAN DISTRIBUTION. Piedmont, Emilia-Romagna, Tuscany, Latium, Sicily, Sardinia (Abbazzi & Maggini 2009).

ECOLOGY. On *Lythrum* (Hoffmann 1958).

BRACHYCERIDAE Billberg, 1820

50. *Brachycerus barbarus* (Linnaeus, 1758)

RECORDS. **G04**: 4.IX.2006, GN, dc, 1 ex (CNBFVR).

CHOROTYPE. W-Mediterranean.

ITALIAN DISTRIBUTION. Campania, Sicily, Sardinia (Abbazzi & Maggini 2009).

ECOLOGY. On *Urginea maritima* (Espinosa et al. 1991).

51. *Brachycerus albidentatus* Gyllenhal, 1840

RECORDS. **C06**: 12.XI.2006, DW, dc sotto sassi, 1 ex (CNBFVR).

**C11**: 25.III.2006, PCo, dc, 1 ex (CNBFVR).

CHOROTYPE. W-Mediterranean.

ITALIAN DISTRIBUTION. Latium, Campania, Apulia, Sicily, Sardinia (Abbazzi & Maggini 2009).

ECOLOGY. On *Allium*, sometimes injurious (Espinosa et al. 1991).

52. *Brachycerus plicatus* Gyllenhal, 1833

RECORDS. **C10**: 20.III.2006, PCo, dc, 1 ex (CNBFVR). **C19**:

24.III.2006, DB DW, dc, 1 ex (CNBFVR).

CHOROTYPE. Mediterranean.

ITALIAN DISTRIBUTION. Sicily, Sardinia (Abbazzi & Maggini 2009).

ECOLOGY. Probably on Liliaceae.

53. *Brachycerus undatus* Fabricius, 1798

RECORDS. **C31**: 22.III.2006, DB, dc sotto sassi, 1 ex (CNBFVR).

**C53**: 12.IX.2006, GN, dc sotto sassi, 1 ex (CNBFVR). **C56**:

12.IX.2006, GN, dc sotto sassi, 1 ex (CNBFVR).

CHOROTYPE. Mediterranean.

ITALIAN DISTRIBUTION. Almost all regions (Abbazzi & Maggini 2009).

ECOLOGY. On *Allium*, sometimes injurious (Espinosa et al. 1991).

## CURCULIONIDAE Latreille, 1802

54. *Anthonomus pedicularius* (Linnaeus, 1758)

RECORDS. **G44**: 16.V.2008, GN PA MB MTr, oe on *Crataegus* sp., 2 ex (CNBFVR).

CHOROTYPE. Palaearctic.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On Rosaceae (*Crataegus oxyacantha*, *Malus* spp., *Pyrus* spp., *Prunus* spp.) and Ulmaceae (*Ulmus campestris*) (Abbazzi & Maggini 2009).

55. *Anthonomus pomorum* (Linnaeus, 1758)

RECORDS. **C26**: 24.V.2006, PCo MB DB DW, sn, 1 ex

(CNBFVR).

CHOROTYPE. Holarctic.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On *Crataegus oxyacantha*, *Malus domestica*, *Pyrus communis*. A pest of fruit trees (Abbazzi & Maggini 2009).

56. *Anthonomus spilotus* Redtenbacher, 1849

RECORDS. **C26**: 24.V.2006, PCo MB DB DW, sn, 1 ex (CNBFVR).

CHOROTYPE. S-European.

ITALIAN DISTRIBUTION. Piedmont, Trentino-Alto Adige, Friuli-Venezia Giulia, Tuscany, Marches, Latium, Calabria, Sicily, Sardinia (Abbazzi & Maggini 2009).

ECOLOGY. On *Crataegus oxyacantha*, *Pyrus communis*, *Mespilus germanica* (Abbazzi & Maggini 2009).

57. *Archarius pyrrhoceras* (Marsham, 1802)

RECORDS. **C35**: 12.V.2002, LF, 1 ex (CNBFVR). **G52**: 17–

20.V.2008, PA MB GN MTr, mt, 2 ex (CNBFVR). **SAR1**: 16.II–

15.VI.2004, DB PCe GN DW, mt, 6 ex (CNBFVR); 20.V–16.

VI.2005, GC, mt, 2 ex (CNBFVR); GC, wt, 1 ex (CNBFVR).

CHOROTYPE. Europeo-Mediterranean.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. Larvae develop inside galls formed by cynipids (Hymenoptera) of the genus *Dryophanta* Forster, 1869 on *Quercus* (Hoffmann 1955, as *Balanobius pyrrhoceras*).

58. *Aulacobaris coerulea* (Scopoli, 1763)

RECORDS. **C35**: 12.V.2002, LF, 1 ex (CNBFVR).

CHOROTYPE. Turano-Europeo-Mediterranean.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On crucifers (Hoffmann 1955, as *Baris coerulea*).

59. *Brachyderes pubescens* Boheman, 1833

RECORDS. **C01**: 31.VIII–14.IX.2003, DB PCe EM MT

DW, mt, 2 ex (CNBFVR); 30.VI–16.VII.2004, GC, mt, 1 ex (CNBFVR). **C03**: 9.VI.2004, GN, sn, 1 ex (CEC);

13.VII.2006, MB DA DB PCe DW, sn, 2 ex (CNBFVR).

**C20:** 25.III.2006, PCo, dc sotto corteccia, 2 ex (CNBFVR).  
**G04:** 4.IX.2006, MB DA DB GN, oe on *Quercus ilex*, 1 ex (CNBFVR). **G14:** 13.XI.2006, DW MB GN MZ, dc sotto sassi, 1 ex (CNBFVR). **G25:** 8.IX.2007, DA, dc, 1 ex (CNBFVR).  
**SAR1:** 16.II–15.VI.2004, GC, mt, 1 ex (CNBFVR); DB PCe GN DW, mt, 1 ex (CNBFVR); 30.VI–16.VII.2004, GC, mt, 1 ex (CEC); 16.VII–1.VIII.2004, GC, mt, 2 ex (CNBFVR); 16.VIII–9.IX.2004, GC, mt, 4 ex (CNBFVR); 8–21.IX.2004, GC, mt, 3 ex (CNBFVR); 21.IX–6.X.2004, GC, mt, 1 ex (CNBFVR); 1.III–29.IV.2005, GC, mt, 1 ex (CNBFVR); 20.V–16.VI.2005, GC, mt, 3 ex (CNBFVR); 14.VII–5.VIII.2005, GC, mt, 1 ex (CNBFVR); 5.VIII–13.IX.2005, GC, mt, 3 ex (CNBFVR).

CHOROTYPE. W-Mediterranean.

ITALIAN DISTRIBUTION. Sicily, Sardinia (Abbazzi & Maggini 2009).

ECOLOGY. On *Quercus* (Abbazzi & Maggini 2009).

60. *Brachypera crinita* (Boheman, 1834)

RECORDS. **C27:** 22.V.2006, PCo MB DB DW, sn, 1 ex (CNBFVR). **G50:** 18.V.2008, GN PA MB MTr, sn, 1 ex (CNBFVR).

CHOROTYPE. Mediterranean.

ITALIAN DISTRIBUTION. Venetia, central and southern mainland regions, Sicily, Sardinia (Abbazzi & Maggini 2009).

ECOLOGY. A thermophilous species collected in France on *Artemisia gallica* (Hoffmann 1955, as *Donus crinitus*).

61. *Brachypera zoilus* (Scopoli, 1763)

RECORDS. **C47:** 12.VI.2004, GN, dc, 1 ex (CNBFVR).

CHOROTYPE. Palaearctic.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On *Trifolium* spp., *Medicago* spp., *Vicia* spp., *Phaseolus* spp., *Hedysarum coronarium* (Abbazzi & Maggini 2009).

62. *Brachytemnus porcatus* (Germar, 1824)

RECORDS. **S3:** 23.III.2006, MB, dc sotto corteccia, 2 ex (CNBFVR).

CHOROTYPE. Europeo-Mediterranean.

ITALIAN DISTRIBUTION. Almost all regions (Abbazzi & Maggini 2009).

ECOLOGY. Develops in dead wood of conifers (Hoff-

mann 1955, as *Rhyncholus (B.) porcatus*).

63. *Calosirus terminatus* (Herbst, 1795)

RECORDS. **S3:** 16–30.V.2006, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. Europeo-Mediterranean.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On several Lamiaceae (Colonnelli 2004).

64. *Camptorhinus simplex* Seidlitz, 1867

RECORDS. **C23:** 9.V–24.V.2006, MB DB PCo DW, mt, 1 ex (CEC); 19–24.V.2006, MB DB PCo DW, lt, 1 ex (CNBFVR).

CHOROTYPE. European.

ITALIAN DISTRIBUTION. Trentino-Alto Adige, Emilia-Romagna, central and southern mainland regions, Sicily, Sardinia (Abbazzi & Maggini 2009).

ECOLOGY. Often found in oak woods (Hoffmann 1958, as *Camptorrhinus simplex*).

65. *Caulostrophus subsulcatus* (Boheman, 1833)

RECORDS. **C62:** 2.V.2001, LF, 1 ex (CNBFVR). **G40:** 16.V.2008, GN PA MB MTr, sn, 1 ex (CNBFVR). **G41:** 16.V.2008, GN PA MB MTr, sn, 1 ex (CNBFVR).

CHOROTYPE. S-European.

ITALIAN DISTRIBUTION. Liguria, Venetia, Friuli-Venezia Giulia, Emilia-Romagna, Tuscany, Latium, Sicily, Sardinia (Abbazzi & Maggini 2009).

ECOLOGY. Adults seem polyphagous (Abbazzi & Maggini 2009).

66. *Ceutorhynchus contractus* (Marsham, 1802)

RECORDS. **G43:** 16.V.2008, GN PA MB MTr, nt, 1 ex (CNBFVR).

CHOROTYPE. Asiatic-European.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009, as *C. pallipes* Crotch, 1866).

ECOLOGY. On several Brassicaceae and Resedaceae (Colonnelli 2004).

67. *Ceutorhynchus duvali* C. Brisout, 1869

RECORDS. **G06:** 17.V.2008, GN PA MB MTr, oe, 1 ex (CNBFVR). **G44:** 16.V.2008, GN PA MB MTr, oe on *Crataegus* sp., 1 ex (CNBFVR). **G55:** 16.V.2008, MB GN PA MTr, oe on *Crataegus* sp., 7 ex (CNBFVR).



CHOROTYPE. S-European.

ITALIAN DISTRIBUTION. Piedmont, Emilia-Romagna, central and southern mainland regions, Sicily, Sardinia (Abbazzi & Maggini 2009).

ECOLOGY. On *Bunias erucago*, occasionally found on *Cakile maritima* (Colonnelli 2004).

68. *Ceutorhynchus pallidactylus* (Marsham, 1802)

RECORDS. **C36**: 18.V.2008, GN PA MB MTr, sn, 1 ex (CNBFVR). **S1**: 16–30.V.2006, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. Palaearctic, becoming subcosmopolitan. ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On several Brassicaceae, often injurious (Colonnelli 2004).

69. *Ceutorhynchus picitarsis* Gyllenhal, 1837

RECORDS. **G36**: 15.V.2008, GN PA MB MTr, sn, 1 ex (CNBFVR).

CHOROTYPE. W-Palaearctic.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On several Brassicaceae (Colonnelli 2004; Abbazzi & Maggini 2009).

70. *Ceutorhynchus resedae* (Marsham, 1802)

RECORDS. **S2**: 19.IX–3.X.2006, GC, mt, 1 ex (Colonnelli & Osella 2009).

CHOROTYPE. Europeo-Mediterranean.

ITALIAN DISTRIBUTION. Central and southern mainland regions, Sicily, Sardinia (Abbazzi & Maggini 2009; Colonnelli & Osella 2009).

ECOLOGY. On *Reseda* (Colonnelli 2004).

71. *Ceutorhynchus sardeanensis* Schultze, 1903

RECORDS. **A21**: 26.III.2006, DB, nt, 3 ex (CEC); 25.V.2006, MB DB PCo DW, sn, 1 ex (CNBFVR).

CHOROTYPE. W-Mediterranean.

ITALIAN DISTRIBUTION. Sardinia (Abbazzi & Maggini 2009).

ECOLOGY. On crucifers (Colonnelli 2004).

72. *Charagmus gressorius* (Fabricius, 1792)

RECORDS. **C81**: 7.VI.2004, GN, dc, 1 ex (CNBFVR). **S1**: 3–17.X.2006, GC, mt, 1 ex (CNBFVR). **S3**: 3–17.X.2006, GC,

mt, 1 ex (CNBFVR); 17–31.X.2006, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. W-Palaearctic.

ITALIAN DISTRIBUTION. Almost all regions (Abbazzi & Maggini 2009).

ECOLOGY. On Fabaceae (Abbazzi & Maggini 2009).

73. *Charagmus intermedius* (Küster, 1847)

RECORDS. **S2**: 16–30.V.2006, GC, mt, 1 ex (CNBFVR); 3–17.X.2006, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. S-European.

ITALIAN DISTRIBUTION. Friuli-Venezia Giulia, Emilia-Romagna, central and southern mainland regions, Sicily, Sardinia (Abbazzi & Maggini 2009).

ECOLOGY. On Fabaceae (Abbazzi & Maggini 2009).

74. *Cionellus gibbifrons* (Kiesenwetter, 1851)

RECORDS. **SAR1**: 29.IV–20.V.2005, GC, mt, 6 ex (CNBFVR); 20.V–16.VI.2005, GC, mt, 2 ex (CNBFVR); 13–30.IX.2005, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. Mediterranean.

ITALIAN DISTRIBUTION. Liguria, Friuli-Venezia Giulia, Tuscany, Umbria, Latium, Abruzzi, southern mainland regions, Sicily, Sardinia (Abbazzi & Maggini 2009).

ECOLOGY. On *Phyllirea* (Hoffmann 1958).

75. *Cionus hortulanus* (Fourcroy, 1785)

RECORDS. **C31**: 12.VII.2006, MB DA DB PCe DW, sn, 1 ex (CNBFVR). **S3**: 15.VII.2006, MB DA DB PCe DW, sn, 2 ex (CNBFVR).

CHOROTYPE. W-Palaearctic.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On *Scrophularia* and *Verbascum* (Hoffmann 1958).

76. *Cionus olivieri* Rosenschoeld, 1838

RECORDS. **C03**: 9.VI.2004, GN, sn, 1 ex (CNBFVR).

CHOROTYPE. Turano-European.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On *Verbascum* (Hoffmann 1958).

77. *Cionus thapsus* (Fabricius, 1792)

RECORDS. **G09**: 6.IX.2006, GN, sn, 1 ex (CNBFVR).

CHOROTYPE. W-Palaearctic.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On *Verbascum* (Hoffmann 1958, as *C. thapsi*).

78. *Coeliodes transversealbofasciatus* (Goeze, 1777)

RECORDS. **SAR1**: 6.X–5.XI.2004, GC, pt, 1 ex (CNBFVR).

CHOROTYPE. W-Palaearctic.

ITALIAN DISTRIBUTION. Almost all regions (Abbazzi & Maggini 2009).

ECOLOGY. On *Quercus* (Colonnelli 2004).

79. *Coniatus tamarisci* (Fabricius, 1787)

RECORDS. **A01**: 26.III.2006, DB, nt, 3 ex (CNBFVR); 25.V.2006, MB DB PCo DW, sn on *Tamarix* sp., 1 ex (CNBFVR). **A06**: 11.XI.2006, DW, 1 ex (CNBFVR).

CHOROTYPE. Mediterranean.

ITALIAN DISTRIBUTION. Liguria, Venetia, Emilia-Romagna, central and southern mainland regions, Sicily, Sardinia (Abbazzi & Maggini 2009).

ECOLOGY. On *Tamarix* (Hoffmann 1955).

80. *Coniocleonus excoriatus* (Gyllenhal, 1834)

RECORDS. **G59**: 8.IX.2007, DA, dc, 2 ex (CNBFVR).

CHOROTYPE. Mediterranean.

ITALIAN DISTRIBUTION. Almost all regions (Abbazzi & Maggini 2009).

ECOLOGY. Unknown (Abbazzi & Maggini 2009).

81. *Conorhynchus mendicus* (Gyllenhal, 1834)

RECORDS. **L05**: 5.V.2003, MA, 1 ex (CNBFVR).

CHOROTYPE. W-Mediterranean.

ITALIAN DISTRIBUTION. Emilia-Romagna, central and southern mainland regions, Sicily, Sardinia (Abbazzi & Maggini 2009).

ECOLOGY. On Chenopodiaceae, sometimes injurious to sugar beet (Abbazzi & Maggini 2009).

82. *Curculio elephas* (Gyllenhal, 1836)

RECORDS. **C01**: 14–29.IX.2003, DB PCe EM MT DW, mt, 11 ex (CNBFVR); 29.IX–21.X.2003, DB PCe EM MT DW, mt,

2 ex (CNBFVR); 21.X–17.XI.2003, DB PCe EM MT DW, mt, 2 ex (CNBFVR); 21.IX–6.X.2004, GC, wt, 2 ex (CNBFVR); 17.X–3.XI.2005, GC, mt, 4 ex (CNBFVR). **C47**: 11.IX.2006, MB DA DB GN, dc, 2 ex (CNBFVR). **C82**: 22–25.IX.2004, DB PCe EG FM DW, nt, 1 ex (CNBFVR). **G10**: 6.IX.2006, GN, sn, 1 ex (CNBFVR). **SAR1**: 21.X–12.XII.2003, GC, mt, 1 ex (CNBFVR); 8–21.IX.2004, GC, mt, 3 ex (CNBFVR); 21.IX–6.X.2004, GC, mt, 27 ex (CNBFVR); 6.X–5.XI.2004, GC, pt, 5 ex (CNBFVR); sdb mt, 1 ex (CNBFVR); 5–22.XI.2004, GC, mt, 1 ex (CNBFVR); 13–30.IX.2005, GC, mt, 5 ex (CNBFVR); 30.IX–17.X.2005, GC, mt, 8 ex (CNBFVR); GC, wt, 1 ex (CNBFVR); 3–16.XI.2005, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. S-European.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. Larvae develop inside acorns of *Quercus* and *Castanea* (Hoffmann 1955, as *Balaninus elephas*).

83. *Curculio glandium* Marsham, 1802

RECORDS. **C01**: 14–29.IX.2003, DB PCe EM MT DW, mt, 2 ex (CNBFVR); 29.IX–21.X.2003, DB PCe EM MT DW, mt, 1 ex (CNBFVR); 30.VI–16.VII.2004, GC, mt, 2 ex (CNBFVR); 8.IX.2006, GN, dc sotto sassi, 1 ex (CNBFVR). **C10**: 12.IX.2006, DA MB DB GN, lt, 1 ex (CNBFVR). **C11**: 8.IX.2006, GN, lt, 1 ex (CNBFVR). **C18**: 20.V.2008, GN PA MB MTr, dc, 1 ex (CNBFVR). **C29**: 12.IX.2006, GN, nt, 1 ex (CNBFVR). **C35**: 1.III.2006, LF, mt, 2 ex (CNBFVR). **C43**: 7.IX.2006, GN, lt, 5 ex (CNBFVR); DA MB DB GN, lt, 1 ex (CNBFVR). **C47**: 11.IX.2006, MB DA DB GN, dc, 3 ex (CNBFVR). **C82**: 13.VI.2004, GN, sn, 1 ex (CNBFVR). **C85**: 5.IX.2003, DB PCe MT DW EM, nt on *Foeniculus vulgare*, 1 ex (CNBFVR). **G04**: 4.IX.2006, GN, dc, 1 ex (CNBFVR). **G46**: 17.V.2008, MB PA GN MTr, oe, 2 ex (CNBFVR). **G55**: 16.V.2008, MB GN PA MTr, oe on *Crataegus* sp. and *Quercus ilex*, 4 ex (CNBFVR). **S2**: 18.IV–2.V.2006, GC, mt, 1 ex (CNBFVR). **S3**: 3–17.X.2006, GC, mt, 1 ex (CNBFVR). **SAR1**: 1–5.IX.2003, DB PCe EM MT DW, bz, 1 ex (CNBFVR); 21.X–12.XII.2003, GC, mt, 1 ex (CNBFVR); 12.XII.2003–8.I.2004, GC, mt, 1 ex (CNBFVR); 16.II–15.VI.2004, DB PCe GN DW, mt, 38 ex (CNBFVR); 15–30.VI.2004, GC, mt, 1 ex (CNBFVR); sdb wt, 1 ex (CNBFVR); 1–16.VIII.2004, GC, mt, 2 ex (CNBFVR); 16.VIII–9.IX.2004, GC, mt, 8 ex (CNBFVR); sdb wt, 1 ex (CNBFVR); 8–21.IX.2004, GC, mt, 3 ex (CNBFVR); 21.IX–6.X.2004, GC, mt, 12 ex (CNBFVR); 6.X–5.XI.2004, GC, pt, 8 ex (CNBFVR); 22.XI–17.XII.2004, GC, mt, 1 ex (CNBFVR); 1.III–29.IV.2005, GC, mt, 1 ex (CNBFVR); 29.IV–20.V.2005, GC, mt, 6 ex (CNBFVR); 20.V–16.VI.2005, GC, mt, 4 ex (CNBFVR); 14.VII–5.VIII.2005, GC, mt, 6 ex (CNBFVR); 5.VIII–13.IX.2005, GC, mt, 14 ex (CNBFVR); 13–30.IX.2005, GC, mt, 2 ex

(CNBFVR); GC, wt, 1 ex (CNBFVR); 30.IX–17.X.2005, GC, mt, 11 ex (CNBFVR).

CHOROTYPE. Palaearctic.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. Larvae develop inside acorns of *Quercus* (Hoffmann 1955, as *Balaninus glandium*).

84. *Cyphocleonus morbillosus* (Fabricius, 1792)

RECORDS. **S3**: 3–17.IX.2006, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. S-European.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On *Centaurea* (Abbazzi & Maggini 2009).

85. *Donus philanthus* (Olivier, 1807)

RECORDS. **C01**: 8.IX.2006, GN, dc sotto corteccia, 1 ex (CNBFVR). **C27**: 22.V.2006, PCo MB DB DW, sn, 1 ex (CNBFVR). **G47**: 17.V.2008, MB PA GN MTr, sn, 1 ex (CNBFVR). **S2**: 3–17.X.2006, GC, mt, 1 ex (CNBFVR). **S3**: 23.IX.2004, EG, sn, 2 ex (CNBFVR).

CHOROTYPE. W-Mediterranean.

ITALIAN DISTRIBUTION. Liguria, central and southern mainland regions, Sicily, Sardinia (Abbazzi & Maggini 2009).

ECOLOGY. On *Rumex* (Hoffmann 1955).

86. *Dorytomus dejeani* Faust, 1882

RECORDS. **G07**: 18.V.2008, MB PA GN MTr, sn, 1 ex (CNBFVR).

CHOROTYPE. Sibero-European.

ITALIAN DISTRIBUTION. Almost all regions (Abbazzi & Maggini 2009).

ECOLOGY. On *Populus* (Abbazzi & Maggini 2009).

NOTES. New record for Sardinia.

87. *Echinodera bellieri* (Reiche, 1860)

RECORDS. **C10**: 11.IX.2006, GN, dc on a wall, 1 ex (CNBFVR). **SAR1**: 20.V–16.VI.2005, GC, pt, 1 ex (CNBFVR); 16.VI–14.VII.2005, GC, pt, 1 ex (CNBFVR); 20.V–30.IX.2005, GC, pt, 1 ex (CEC); 5.VIII–13.IX.2005, GC, pt, 1 ex (CNBFVR).

CHOROTYPE. Italian endemic.

ITALIAN DISTRIBUTION. Basilicata, Calabria, Sicily, Sardinia (Abbazzi & Maggini 2009, as *Ruteria bellieri*).

ECOLOGY. Often collected by sifting leaf-litter or with

pitfall traps (Colonnelli, unpublished data).

NOTES. Species previously attributed to the genus *Ruteria* Roudier, 1954, which is currently treated as a subgenus of *Echinodera* Wollaston, 1864 (Astrin & Stüben 2011).

88. *Echinodera peragalloi* (Chevrolat, 1863)

RECORDS. **C01**: 10.IV.2005, LF, dc, 1 ex (CNBFVR). **SAR1**: 16.VI–14.VII.2005, GC, pt, 2 ex (CEC; CNBFVR).

CHOROTYPE. W-Mediterranean.

ITALIAN DISTRIBUTION. Liguria, Tuscany, Latium, Campania, Sardinia (Abbazzi & Maggini 2009).

ECOLOGY. Adults in leaf-litter of broadleaved trees (Hoffmann 1958, as *E. variegata peragalloi*; Colonnelli, unpublished data).

89. *Gasteroclisus augurius* (Boheman, 1836)

RECORDS. **C44**: 16.VII.2006, DA MB DB PCe DW, nt, 1 ex (CNBFVR).

CHOROTYPE. Mediterranean.

ITALIAN DISTRIBUTION. Sicily, Sardinia and, doubtfully, Tuscany (Abbazzi & Maggini 2009).

ECOLOGY. Probably on Apiaceae and Asteraceae (Abbazzi & Maggini 2009).

90. *Hypera constans* (Boheman, 1834)

RECORDS. **S2**: 4–18.IV.2006, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. Mediterranean.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. Quite uncommon species the exact biology of which is still unknown (Hoffmann 1955).

91. *Hypera meles* (Boheman, 1834)

RECORDS. **C82**: 7.VI.2004, GN, dc, 1 ex (CNBFVR).

CHOROTYPE. W-Palaeartic.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On Fabaceae (Hoffmann 1955).

92. *Hypera nigrirostris* (Fabricius, 1775)

RECORDS. **C10**: 20.III.2006, PCo, dc, 1 ex (CNBFVR). **C31**: 20–23.V.2006, MB PCo DB DW, mt, 1 ex (CNBFVR). **C35**: 12.V.2002, LF, 1 ex (CNBFVR). **S3**: 16–30.V.2006, GC, mt,

1 ex (CNBFVR). **SAR1**: 16.II–15.VI.2004, GC, mt, 1 ex (CNBFVR); 5–22.XI.2004, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. Europeo-Mediterranean.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On Fabaceae (Hoffmann 1955).

93. *Hypera postica* (Gyllenhal, 1813)

RECORDS. **C01**: 10.IV.2005, LF, 1 ex (CNBFVR). **S3**: 16–30.V.2006, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. Palaearctic and introduced in North America.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On Fabaceae, sometimes injurious to alfalfa (Hoffmann 1955, as *H. variabilis* Herbst, 1795).

94. *Hypera venusta* (Fabricius, 1781)

RECORDS. **C35**: 12.V.2002, LF, 1 ex (CNBFVR). **S3**: 2–16.V.2006, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. Europeo-Mediterranean.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On Fabaceae (Hoffmann 1955, as *H. trilineata* Marsham, 1802).

95. *Larinus scolyimi* (Olivier, 1807)

RECORDS. **C14**: 20–24.V.2006, MB PCo DB DW, mt, 1 ex (CNBFVR). **S3**: 5–19.IX.2006, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. S-European.

ITALIAN DISTRIBUTION. Almost all regions (Abbazzi & Maggini 2009).

ECOLOGY. On Carduaceae (Hoffmann 1955).

96. *Larinus ursus* (Fabricius, 1792)

RECORDS. **C03**: 23.V.2006, PCo MB DB DW, sn, 4 ex (CNBFVR). **C23**: 19.V.2006, PCo MB DB DW, sn, 9 ex (CEC; CNBFVR). **C36**: 18.V.2008, GN PA MB MTr, sn, 1 ex (CNBFVR). **C44**: 16.VII.2006, DA MB DB PCe DW, nt, 3 ex (CNBFVR). **C78**: 11.VI.2004, GN, dc, 1 ex (CNBFVR). **S1**: 16–30.V.2006, GC, mt, 4 ex (CNBFVR); 13–27.VI.2006, GC, mt, 3 ex (CNBFVR); 27.VI–11.VII.2006, GC, mt, 1 ex (CNBFVR); 11–25.VII.2006, FC, mt, 3 ex (CNBFVR). **S3**: 13–27.VI.2006, GC, mt, 1 ex (CNBFVR); 27.VI–11.VII.2006, GC, mt, 1 ex (CNBFVR). **L02**: 28.IX.2003, EM, dc, 1 ex (CNBFVR).

CHOROTYPE. S-European.

ITALIAN DISTRIBUTION. Liguria, Piedmont, Emilia-Romagna, central and southern mainland regions, Sicily, Sardinia (Abbazzi & Maggini 2009).

ECOLOGY. On *Carlina* (Hoffmann 1955).

97. *Limobius borealis* (Paykull, 1792)

RECORDS. **C36**: 18.V.2008, GN PA MB MTr, sn, 2 ex (CNBFVR).

CHOROTYPE. Europeo-Mediterranean.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On Geraniaceae (*Erodium ciconium*, *E. malacoides*, *Geranium sanguineum*, *G. molle*, *G. pyrenaicum*) (Abbazzi & Maggini 2009).

98. *Lixomorphus algirus* (Linnaeus, 1758)

RECORDS. **C56**: 12.IX.2006, GN, dc sotto sassi, 1 ex (CNBFVR).

CHOROTYPE. W-Mediterranean.

ITALIAN DISTRIBUTION. Liguria, Piedmont, Emilia-Romagna, Tuscany, Latium, Abruzzi, southern mainland regions, Sicily, Sardinia (Abbazzi & Maggini 2009).

ECOLOGY. On *Rumex* (Colonnelli, unpublished data).

99. *Lixus anguinus* (Linnaeus, 1767)

RECORDS. **C31**: 12.VII.2006, MB DA DB PCe DW, sn on *Mentha* sp., 1 ex (CNBFVR). **C34**: 12.VII.2006, MB DA DB PCe DW, sn, 1 ex (CNBFVR). **C42**: 18.VII.2006, MB DA DB PCe DW, sn, 1 ex (CNBFVR). **S3**: 15.VII.2006, MB DA DB PCe DW, sn, 1 ex (CNBFVR); 5–19.IX.2006, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. W-Mediterranean.

ITALIAN DISTRIBUTION. Most mainland regions, Sicily (Abbazzi & Maggini, 2009) and Sardinia (Colonnelli 2003).

ECOLOGY. Primarily on crucifers (Hoffmann 1955).

100. *Lixus pulverulentus* (Scopoli, 1763)

RECORDS. **C55**: 12.IX.2006, GN, sn, 1 ex (CNBFVR). **SAR1**: 16.VII–1.VIII.2004, GC, wt, 1 ex (CNBFVR).

CHOROTYPE. Centraleuropean-Mediterranean.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009, as *L. angustatus* (Fabricius, 1775)).

ECOLOGY. Polyphagous (Hoffmann 1955, as *L. algirus* Linné, 1758).



101. *Lixus bardanae* (Fabricius, 1787)

RECORDS. **C03**: 23.V.2006, PCo MB DB DW, sn, 1 ex (CNBFVR). **C62**: 2.V.2001, LF, 1 ex (CNBFVR). **S1**: 21.III–4.IV.2006, GC, mt, 1 ex (CNBFVR); 13–27.VI.2006, GC, mt, 2 ex (CNBFVR); 19.IX–3.X.2006, GC, mt, 1 ex (CNBFVR). **S2**: 8–22.VIII.2006, FC, mt, 1 ex (CNBFVR). **S3**: 16–30.V.2006, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. Asiatic-European.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On *Rumex* (Hoffmann 1955).

102. *Lixus brevisrostris* Boheman, 1836

RECORDS. **A12**: 5.IX.2007, DA, dc, 1 ex (CNBFVR).

CHOROTYPE. W-Mediterranean.

ITALIAN DISTRIBUTION. Piedmont, Venetia, Emilia-Romagna, Latium, Abruzzi, Campania, Basilicata, Sicily, Sardinia (Abbazzi & Maggini 2009).

ECOLOGY. Primarily on *Atriplex* (Hoffmann 1955).

103. *Lixus filiformis* (Fabricius, 1781)

RECORDS. **C07**: 20–24.V.2006, MB DB PCo DW, mt, 2 ex (CNBFVR). **C23**: 19.V.2006, PCo MB DB DW, sn, 1 ex (CNBFVR). **C36**: 18.V.2008, GN PA MB MTr, sn, 4 ex (CNBFVR). **C82**: 13.VI.2004, GN, sn, 1 ex (CNBFVR). **G35**: 15.V.2008, GN PA MB MTr, sn, 2 ex (CNBFVR). **G36**: 15.V.2008, GN PA MB MTr, sn, 5 ex (CNBFVR); MB PA GN MTr, dc, 1 ex (CNBFVR). **G39**: 15.V.2008, GN PA MB MTr, sn, 2 ex (CNBFVR). **S1**: 4–18.IV.2006, GC, mt, 2 ex (CNBFVR); 18.IV–2.V.2006, GC, mt, 2 ex (CNBFVR); 2–16.V.2006, GC, mt, 19 ex (CNBFVR); 16–30.V.2006, GC, mt, 27 ex (CNBFVR). **S2**: 18.IV–2.V.2006, GC, mt, 2 ex (CNBFVR); 2–16.V.2006, GC, mt, 3 ex (CNBFVR); 16–30.V.2006, GC, mt, 3 ex (CNBFVR). **S3**: 16–30.V.2006, GC, mt, 5 ex (CNBFVR). **SAR1**: 29.IV–20.V.2005, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. Centralasiatic-European-Mediterranean.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On Carduaceae (Hoffmann 1955, as *L. elongatus* Goeze, 1777).

104. *Lixus punctiventris* Boheman, 1836

RECORDS. **C01**: 14–29.IX.2003, DB PCe EM MT DW, mt, 2 ex (CNBFVR). **C03**: 23.V.2006, PCo MB DB DW, sn, 2 ex (CNBFVR). **C26**: 24.V.2006, PCo MB DB DW, sn, 1 ex (CNBFVR). **C31**: 12.VII.2006, MB DA DB PCe DW, sn, 1

ex (CEC). **S2**: 18.IV–2.V.2006, GC, mt, 1 ex (CNBFVR). **S3**: 16–30.V.2006, GC, mt, 1 ex (CNBFVR); 3–17.X.2006, GC, mt, 2 ex (CEC; CNBFVR).

CHOROTYPE. S-European.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On several Asteraceae (Hoffmann 1955).

105. *Lixus scolopax* Boheman, 1836

RECORDS. **C03**: 9.VI.2004, GN, sn, 1 ex (CNBFVR).

CHOROTYPE. Centralasiatic-European-Mediterranean.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On Carduaceae (Hoffmann 1955).

106. *Lixus umbellatarum* (Fabricius, 1787)

RECORDS. **C03**: 9.VI.2004, GN, sn, 2 ex (CNBFVR). **C07**: 20.V.2006, PCo MB DB DW, sn, 2 ex (CNBFVR). **C12**: 20.V.2006, PCo MB DB DW, sn on *Ferula* sp., 1 ex (CNBFVR). **C13**: 20.V.2006, PCo MB DB DW, sn, 2 ex (CNBFVR). **C23**: 19.V.2006, PCo MB DB DW, sn, 1 ex (CNBFVR). **C28**: 22.V.2006, PCo MB DB DW, sn, 1 ex (CNBFVR). **C78**: 11.VI.2004, GN, dc, 1 ex (CNBFVR). **C81**: 7.VI.2004, GN, dc, 2 ex (CNBFVR); 12.VI.2004, GN, dc, 4 ex (CNBFVR). **G05**: 5.IX.2006, GN, sn, 1 ex (CNBFVR). **G31**: 15.VI.2004, GN, wn, 2 ex (CNBFVR). **G47**: 17.V.2008, MB PA GN MTr, sn, 2 ex (CNBFVR). **S3**: 21.III–4.IV.2006, GC, mt, 4 ex (CNBFVR); 2–16.V.2006, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. Mediterranean.

ITALIAN DISTRIBUTION. Tuscany, Latium, Campania, Apulia, Basilicata, Sicily, Sardinia (Abbazzi & Maggini 2009).

ECOLOGY. Primarily on *Ferula*, but also on *Opoponax* and *Pastinaca* (Abbazzi & Maggini 2009). Species very common all across Sardinia, local and quite rare elsewhere (Colonnelli, unpublished data).

107. *Lixus vilis* (Rossi, 1790)

RECORDS. **C62**: 2.V.2001, LF, 2 ex (CNBFVR). **G40**: 16.V.2008, MB PA GN MTr, oe, 1 ex (CNBFVR). **S2**: 23.III.2006, PCo, sn, 1 ex (CNBFVR).

CHOROTYPE. Turano-European-Mediterranean.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On Asteraceae, Fabaceae (Abbazzi & Maggini 2009) and Geraniaceae (Ter-Minassian 1967).

108. *Magdalis barbicornis* (Latreille, 1804)

RECORDS. **Carbonia-Iglesias prov.:** Iglesias dint. (Prota 1962).

CHOROTYPE. European.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. Primarily on Rosaceae, and occasionally on *Quercus* and *Salix caprea* (Prota 1962; Abbazzi & Maggini 2009). Sometimes injurious to fruit trees (Prota 1962).

109. *Mecaspis alternans* (Herbst, 1795)

RECORDS. **S2:** 25.III.2006, PCo, dc, 1 ex (CNBFVR); 13–27.VI.2006, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. S-European.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On *Daucus* (Abbazzi & Maggini 2009).

110. *Mecinus comosus* Boheman, 1845

RECORDS. **A01:** 25.V.2006, MB DB PCo DW, sn, 1 ex (CNBFVR). **G50:** 18.V.2008, GN PA MB MTr, sn, 2 ex (CNBFVR).

CHOROTYPE. W-Mediterranean.

ITALIAN DISTRIBUTION. Calabria, Sicily, Sardinia (Abbazzi & Maggini 2009).

ECOLOGY. On *Plantago* (Abbazzi & Maggini 2009).

111. *Mecinus pascuorum* (Gyllenhal, 1813)

RECORDS. **S1:** 16–30.V.2006, GC, mt, 1 ex (CNBFVR); 11–25.VII.2006, FC, mt, 4 ex (CNBFVR).

CHOROTYPE. Palaearctic.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On *Plantago* (Abbazzi & Maggini 2009).

112. *Melaleucus spoliatus* (Boheman, 1836)

RECORDS. **C01:** 21.III.2006, PCo, dc sotto corteccia, 1 ex (CNBFVR). **C82:** 7.VI.2004, GN, dc, 1 ex (CNBFVR).

CHOROTYPE. W-Mediterranean.

ITALIAN DISTRIBUTION. Tuscany, Latium, southern mainland regions, Sicily, Sardinia (Abbazzi & Maggini 2009, as *Maurobaris spoliata*).

ECOLOGY. On Chenopodiaceae and Caryophyllaceae

(Abbazzi & Maggini 2009).

113. *Mesites pallidipennis* (Boheman, 1837)

RECORDS. **L04:** 3.VII.2004, DB, nt, 1 ex (CNBFVR).

CHOROTYPE. Turano-Mediterranean.

ITALIAN DISTRIBUTION. Almost all regions (Abbazzi & Maggini 2009).

ECOLOGY. On floated dead wood (Abbazzi & Maggini 2009).

114. *Microplontus rugulosus* (Herbst, 1795)

RECORDS. **C03:** 23.V.2006, PCo MB DB DW, sn, 1 ex (CNBFVR). **C07:** 20–24.V.2006, MB DB PCo DW, mt, 1 ex (CNBFVR). **S2:** 2–16.V.2006, GC, mt, 2 ex (CNBFVR).

CHOROTYPE. W-Palaearctic.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On Asteraceae (Colonnelli 2004).

115. *Mogulones geographicus* (Goeze, 1777)

RECORDS. **A02:** 25.V.2006, PCo MB DB DW, sn, 1 ex (CNBFVR). **C30:** 22.V.2006, PCo MB DB DW, nt, 1 ex (CNBFVR). **C31:** 23.V.2006, MB DB PCo DW, sn, 1 ex (CNBFVR). **C82:** 9.VI.2004, GN, dc, 1 ex (CNBFVR). **S3:** 24.V.2006, PCo MB DB DW, sn, 1 ex (CNBFVR).

CHOROTYPE. Europeo-Mediterranean.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On *Echium* (Colonnelli 2004).

116. *Mogulones peregrinus* (Gyllenhal, 1837)

RECORDS. **C62:** 2.V.2001, LF, 1 ex (CNBFVR).

CHOROTYPE. Mediterranean.

ITALIAN DISTRIBUTION. Liguria, Tuscany, Latium, Abruzzi, Molise, Campania, Apulia, Sicily, Sardinia (Abbazzi & Maggini 2009).

ECOLOGY. On *Borago officinalis* (Colonnelli 2004).

117. *Orchestes erythropus* (Germar, 1821)

RECORDS. **SAR1:** 29.IV–20.V.2005, GC, mt, 1 ex (Colonnelli & Osella 2009).

CHOROTYPE. S-European.

ITALIAN DISTRIBUTION. Trentino-Alto Adige, Tuscany,

Marches, Latium, Apulia, Sardinia (Abbazzi & Maggini 2009; Colonnelli & Osella 2009).  
ECOLOGY. On *Quercus* (Abbazzi & Maggini 2009).

118. *Orchestes tricolor* (Kiesenwetter, 1851)

RECORDS. **S1**: 18.IV–2.V.2006, GC, mt, 1 ex (CNBFVR); 2–16.V.2006, GC, mt, 2 ex (CNBFVR); 16–30.V.2006, GC, mt, 1 ex (CNBFVR); 30.V–13.VI.2006, GC, mt, 1 ex (CNBFVR); 13–27.VI.2006, GC, mt, 1 ex (CNBFVR); 8–22.VIII.2006, FC, mt, 1 ex (CNBFVR); 17–31.X.2006, GC, mt, 1 ex (CEC). **S2**: 22.VIII–5.IX.2006, GC, mt, 1 ex (CEC).

CHOROTYPE. S-European.

ITALIAN DISTRIBUTION. Tuscany, Latium, Campania, Apulia, Calabria (Abbazzi & Maggini 2009).

ECOLOGY. On *Quercus* (Abbazzi & Maggini 2009).

NOTES. First record for Sardinia. This species is considered by some authors (e.g. Alonso-Zarazaga 2002) a subspecies of the preceding one, but since they live in sympatry, we follow Abbazzi & Maggini (2009) in giving *O. tricolor* specific rank.

119. *Otiorhynchus aurifer* Boheman, 1843

RECORDS. **C06**: 12.VI.2004, GN, dc, 1 ex (CNBFVR). **C10**: 6.IX.2006, GN DA, sn, 1 ex (CNBFVR). **C43**: 15.XI.2006, GN, dc sotto sassi, 2 ex (CNBFVR). **G56**: 5.IX.2006, GN DA MB DB, dc, 1 ex (CNBFVR).

CHOROTYPE. W-Mediterranean.

ITALIAN DISTRIBUTION. Almost all regions (Abbazzi & Maggini 2009).

ECOLOGY. Thermophilous polyphagous species, sometimes injurious to cultivated and garden plants (Abbazzi & Maggini 2009).

120. *Pachytychius hordei grandicollis* (Waltl, 1835)

RECORDS. **C31**: 20–23.V.2006, MB PCo DB DW, mt, 2 ex (CNBFVR). **C35**: 23.VI.2003, LF, 1 ex (CNBFVR). **C79**: 7.VI.2004, GN MT, dc, 3 ex (CNBFVR). **C82**: 7.VI.2004, GN, dc, 1 ex (CNBFVR). **G36**: 15.V.2008, GN PA MB MTr, sn, 6 ex (CNBFVR). **G46**: 17.V.2008, GN, sn, 1 ex (CNBFVR). **S1**: 18.IV–2.V.2006, GC, mt, 1 ex (CNBFVR); 2–16.V.2006, GC, mt, 11 ex (CNBFVR); 16–30.V.2006, GC, mt, 7 ex (CNBFVR); 30.V–13.VI.2006, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. Mediterranean.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009, as *P. hordei squamosus* (Gyllenhal, 1836)).

ECOLOGY. On brooms (Abbazzi & Maggini 2009, as *P. hordei squamosus*).

NOTES. For the synonymy *P. hordei grandicollis* (Waltl, 1835) = *P. hordei squamosus* (Gyllenhal, 1836), see Caldara (2010).

121. *Polydrusus cervinus* (Linnaeus, 1758)

RECORDS. **C01**: 6.VI.2004, MT, nt, 1 ex (CNBFVR). **C07**: 20–24.V.2006, MB DB PCo DW, mt, 2 ex (CNBFVR). **G6**: 17.V.2008, GN PA MB MTr, oe, 1 ex (CNBFVR). **G55**: 16.V.2008, MB GN PA MTr, oe on *Crataegus* sp. and *Quercus ilex*, 1 ex (CNBFVR). **S3**: 16–30.V.2006, GC, mt, 1 ex (CNBFVR). **SAR1**: 16.II–15.VI.2004, DB PCe GN DW, mt, 3 ex (CNBFVR); 15–30.VI.2004, GC, mt, 1 ex (CNBFVR); 29.IV–20.V.2005, GC, mt, 4 ex (CNBFVR); 20.V–16.VI.2005, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. Sibero-European.

ITALIAN DISTRIBUTION. All regions, but doubtfully indicated from Sardinia (Abbazzi & Maggini 2009).

ECOLOGY. Polyphagous (Abbazzi & Maggini 2009).

NOTES. First certain record for Sardinia.

122. *Polydrusus parallelus* Chevrolat, 1860

RECORDS. **C01**: 30.VI–16.VII.2004, GC, mt, 3 ex (CNBFVR). **C07**: 20.V.2006, PCo MB DB DW, sn, 1 ex (CNBFVR); 20–24.V.2006, MB DB PCo DW, mt, 7 ex (CNBFVR). **C08**: 7.VI.2004, GN, dc, 1 ex (CEC); 10.VI.2004, DB PCe GN DW, nt, 2 ex (CEC); 24.III–24.V.2006, MB PCo DB DW, pt, 1 ex (CNBFVR); MB PCo DB DW, wt, 1 ex (CNBFVR). **C13**: 20.V.2006, PCo MB DB DW, sn, 1 ex (CNBFVR). **C14**: 20–24.V.2006, MB DB PCo DW, mt, 1 ex (CNBFVR). **C18**: 20.V.2008, GN PA MB MTr, dc, 1 ex (CNBFVR). **C23**: 19.V.2006, PCo MB DB DW, sn, 1 ex (CNBFVR); 19–24.V.2006, MB DB PCo DW, mt, 4 ex (CNBFVR). **C26**: 24.V.2006, PCo MB DB DW, sn, 1 ex (CNBFVR). **C28**: 22.V.2006, PCo MB DB DW, sn, 3 ex (CNBFVR). **C69**: 8.VI.2004, DW, 1 ex (CNBFVR). **C78**: 11.VI.2004, GN, dc, 1 ex (CNBFVR). **C81**: 7.VI.2004, GN, dc, 1 ex (CNBFVR); 10.VI.2004, GN, sn, 1 ex (CNBFVR); sdb dc, 1 ex (CNBFVR). **C82**: 9.VI.2004, GN, sn, 1 ex (CNBFVR). **G06**: 17.V.2008, GN PA MB MTr, oe, 1 ex (CNBFVR); sdb GN PA MB MTr, nt, 1 ex (CNBFVR). **G07**: 18.V.2008, MB PA GN MTr, sn, 1 ex (CNBFVR). **G35**: 15.V.2008, GN PA MB MTr, sn, 6 ex (CNBFVR). **G36**: 15.V.2008, GN PA MB MTr, sn, 1 ex (CNBFVR). **G39**: 15.V.2008, GN PA MB MTr, sn, 2 ex (CNBFVR). **G40**: 16.V.2008, GN PA MB MTr, sn, 1 ex (CNBFVR). **G41**: 16.V.2008, GN PA MB MTr, sn, 2 ex (CNBFVR). **G47**: 17.V.2008, GN PA MB MTr, sn, 17 ex (CNBFVR). **G52**: 17–20.V.2008, PA MB GN MTr, mt, 2 ex (CNBFVR). **G55**: 16.V.2008, MB GN PA MTr, oe on *Crataegus* sp. and *Quercus ilex*, 3 ex (CNBFVR). **S1**: 18.IV–2.V.2006, GC, mt, 2 ex (CNBFVR); 16–30.V.2006, GC, mt, 2 ex

(CNBFVR); 30.V–13.VI.2006, GC, mt, 1 ex (CNBFVR). **S2**: 4–18.IV.2006, GC, mt, 1 ex (CNBFVR); 18.IV–2.V.2006, GC, mt, 5 ex (CNBFVR); 2–16.V.2006, GC, mt, 4 ex (CNBFVR); 16–30.V.2006, GC, mt, 8 ex (CNBFVR); 30.V–13.VI.2006, GC, mt, 3 ex (CNBFVR). **S3**: 24.III–24.V.2006, MB PCo DB DW, pt, 1 ex (CEC); sdb MB PCo DB DW, wt, 3 ex (CEC); 18.IV–2.V.2006, GC, mt, 4 ex (CNBFVR); 2–16.V.2006, GC, mt, 7 ex (CNBFVR); 16–30.V.2006, GC, mt, 2 ex (CNBFVR); 30.V–13.VI.2006, GC, mt, 2 ex (CNBFVR). **SAR1**: 16.II–15.VI.2004, DB PCe GN DW, mt, 64 ex (CNBFVR); 15–30.VI.2004, GC, mt, 36 ex (CNBFVR); 30.VI–16.VII.2004, GC, mt, 2 ex (CEC); 29.IV–20.V.2005, GC, mt, 8 ex (CNBFVR); 20.V–16.VI. 2005, GC, mt, 64 ex (CNBFVR); 16.VI–14.VII.2005, GC, mt, 3 ex (CNBFVR).

CHOROTYPE. Tyrrhenian endemic (Corsica, Sardinia, Tuscany).

ITALIAN DISTRIBUTION. Tuscany and Sardinia (Abbazzi & Maggini 2009).

ECOLOGY. On Ericaceae (Abbazzi & Maggini 2009).

### 123. *Rhamphus pulicarius* (Herbst, 1795)

RECORDS. **C81**: 30.V–13.VI.2006, GC, mt, 1 ex (CEC); 13–27.VI.2006, GC, mt, 1 ex (CEC); 27.VI–11.VII.2006, GC, mt, 1 ex (CEC); 30.V–13.VI.2006, GC, mt, 1 ex (CEC). **S1**: 18.IV–2.V.2006, GC, mt, 1 ex (CNBFVR); 30.V–13.VI.2006, GC, mt, 1 ex (CNBFVR); 8–22.VIII.2006, FC, mt, 1 ex (CNBFVR). **S2**: 16–30.V.2006, GC, mt, 1 ex (CNBFVR). **S3**: 30.V–13.VI.2006, GC, mt, 2 ex (CNBFVR); 13–27.VI.2006, GC, mt, 1 ex (CNBFVR); 27.VI–11.VII.2006, GC, mt, 1 ex (CNBFVR); 5–19.IX.2006, GC, mt, 1 ex (CEC); 17–31.X.2006, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. Europeo-Mediterranean.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. Leafminer on Betulaceae, Salicaceae, Corylaceae (Abbazzi & Maggini 2009).

### 124. *Rhinocyllus conicus* (Froelich, 1792)

RECORDS. **S1**: 2–16.V.2006, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. Centralasiatic-Europeo-Mediterranean.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On Carduaceae (Abbazzi & Maggini 2009).

### 125. *Rhinusa herbarum* (H. Brisout, 1862)

RECORDS. **S1**: 16–30.V.2006, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. S-European.

ITALIAN DISTRIBUTION. Liguria, Lombardy, Friuli-Venezia Giulia, Emilia-Romagna, Tuscany, Latium, Abruzzi, Basilicata, Calabria, Sicily, Sardinia (Abbazzi & Maggini 2009).

ECOLOGY. On *Linaria* and *Kickxia* (Abbazzi & Maggini 2009).

### 126. *Rhinusa tetra* (Fabricius, 1792)

RECORDS. **C81**: 7.VI.2004, GN, dc, 1 ex (CNBFVR). **G46**: 17.V.2008, GN, sn, 2 ex (CNBFVR).

CHOROTYPE. Palaearctic; introduced in North America.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On Scrophulariaceae (Abbazzi & Maggini 2009).

### 127. *Sibinia arenariae* Stephens, 1831

RECORDS. **S1**: 27.VI–11.VII.2006, GC, mt, 1 ex (CNBFVR); 5–19.IX.2006, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. Turano-Mediterranean.

ITALIAN DISTRIBUTION. Venetia, Friuli-Venezia Giulia, Emilia-Romagna, Marches, Apulia, Basilicata, Sicily, Sardinia (Abbazzi & Maggini 2009).

ECOLOGY. On *Silene*, *Spergula* and *Spergularia* (Abbazzi & Maggini 2009).

### 128. *Sibinia attalica* Gyllenhal, 1836

RECORDS. **C07**: 20–24.V.2006, MB DB PCo DW, mt, 3 ex (CNBFVR). **C62**: 2.V.2001, LF, 1 ex (CNBFVR). **S1**: 21.III–4.IV.2006, GC, mt, 1 ex (CNBFVR); 16–30.V.2006, GC, mt, 1 ex (CNBFVR); 30.V–13.VI.2006, GC, mt, 1 ex (CNBFVR). **S2**: 16–30.V.2006, GC, mt, 2 ex (CNBFVR). **S3**: 16–30.V.2006, GC, mt, 6 ex (CNBFVR); 27.VI–11.VII.2006, GC, mt, 2 ex (CNBFVR); 8–22.VIII.2006, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. S-European.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On *Silene* (Abbazzi & Maggini 2009).

### 129. *Sibinia femoralis* Germar, 1824

RECORDS. **A01**: 26.III.2006, DB, dc, 1 ex (CNBFVR). **G50**: 18.V.2008, GN PA MB MTr, sn, 1 ex (CNBFVR).

CHOROTYPE. Centralasiatic-Europeo-Mediterranean.



ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On *Silene* (Abbazzi & Maggini 2009).

130. *Sirocalodes mixtus* (Mulsant & Rey, 1858)

RECORDS. **SAR1**: 17.X–3.XI.2005, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. Europeo-Mediterranean.

ITALIAN DISTRIBUTION. Almost all regions (Abbazzi & Maggini 2009).

ECOLOGY. On *Fumaria* (Colonnelli 2004).

131. *Sitona cinnamomeus* Allard, 1863

RECORDS. **C03**: 23.V.2006, PCo MB DB DW, nt, 1 ex (CNBFVR). **C10**: 6.IX.2006, GN, sn, 1 ex (CNBFVR); 12.XI.2006, DW MB GN MZ, nt, 1 ex (CEC). **C26**: 24.V.2006, PCo MB DB DW, sn, 6 ex (CNBFVR). **C35**: 7.IV.2000, LF, 1 ex (CNBFVR). **C55**: 12.IX.2006, GN, sn, 1 ex (CNBFVR); MB DA DB GN, sn, 1 ex (CNBFVR). **C81**: 7.VI.2004, GN, dc, 1 ex (CNBFVR). **G28**: 9.IX.2007, DA, dc, 1 ex (CNBFVR). **S1**: 19.IX–3.X.2006, GC, mt, 4 ex (CNBFVR). **S2**: 16–30.V.2006, GC, mt, 4 ex (CNBFVR); 13–27.VI.2006, GC, mt, 1 ex (CNBFVR); 19.IX–3.X.2006, GC, mt, 1 ex (CNBFVR); 3–17.X.2006, GC, mt, 1 ex (CNBFVR). **S3**: 16–30.V.2006, GC, mt, 4 ex (CNBFVR); 20.V.2006, PCo MB DB DW, sn, 1 ex (CNBFVR); 5–19.IX.2006, GC, mt, 2 ex (CNBFVR).

CHOROTYPE. S-European.

ITALIAN DISTRIBUTION. Tuscany, Latium, Campania, Calabria, Sicily, Sardinia (Abbazzi & Maggini 2009).

ECOLOGY. On Fabaceae (Abbazzi & Maggini 2009).

132. *Sitona discoideus* Gyllenhal, 1834

RECORDS. **A02**: 25.V.2006, PCo MB DB DW, sn, 1 ex (CNBFVR). **C31**: 22.III.2006, DW, nt, 1 ex (CNBFVR). **C35**: 23.VI.2003, LF, 4 ex (CNBFVR). **S1**: 21.III–4.IV.2006, GC, mt, 2 ex (CNBFVR); 2–16.V.2006, GC, mt, 1 ex (CNBFVR). **S3**: 17–31.X.2006, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. W-Mediterranean; introduced in several extra-European countries.

ITALIAN DISTRIBUTION. Many mainland regions, Sicily, Sardinia (Abbazzi & Maggini 2009); probably in all of Italy.

ECOLOGY. On Fabaceae, injurious to alfalfa (Abbazzi & Maggini 2009).

133. *Sitona gemellatus* Gyllenhal, 1834

RECORDS. **S2**: 3–17.X.2006, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. Europeo-Mediterranean.

ITALIAN DISTRIBUTION. Liguria, Piedmont, Emilia-Romagna, Tuscany, Marches, Latium, Abruzzi, southern mainland regions, Sicily, Sardinia (Abbazzi & Maggini 2009).

ECOLOGY. On Fabaceae (Abbazzi & Maggini 2009).

134. *Sitona lineatus* (Linnaeus, 1758)

RECORDS. **A21**: 25.V.2006, MB DB PCo DW, sn, 1 ex (CNBFVR). **C03**: 9.VI.2004, GN, sn, 1 ex (CNBFVR). **C26**: 24.V.2006, PCo MB DB DW, sn, 1 ex (CNBFVR). **C31**: 12.XI.2006, DW MB GN MZ, sn, 2 ex (CNBFVR). **C35**: 7.IV.2000, LF, 1 ex (CNBFVR). **S1**: 18.IV–2.V.2006, GC, mt, 1 ex (CNBFVR); 2–16.V.2006, GC, mt, 1 ex (CNBFVR). **S2**: 18.IV–2.V.2006, GC, mt, 1 ex (CNBFVR); 30.V–13.VI.2006, GC, mt, 2 ex (CNBFVR). **S3**: 21.III–4.IV.2006, GC, mt, 1 ex (CNBFVR); 4–18.IV.2006, GC, mt, 1 ex (CNBFVR); 18.IV–2.V.2006, GC, mt, 3 ex (CNBFVR); 2–16.V.2006, GC, mt, 1 ex (CEC); 30.V–13.VI.2006, GC, mt, 3 ex (CNBFVR).

CHOROTYPE. Palaearctic.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On Fabaceae, very common (Abbazzi & Maggini 2009).

135. *Sitona verecundus* (Rossi, 1790)

RECORDS. **C31**: 12.XI.2006, MB GN MZ DW, sn, 1 ex (CNBFVR). **S1**: 4–18.IV.2006, GC, mt, 1 ex (CNBFVR); 18.IV–2.V.2006, GC, mt, 1 ex (CNBFVR). **S3**: 16–30.IV.2006, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. S-European.

ITALIAN DISTRIBUTION. Piedmont, Tuscany, Latium, Campania, Basilicata, Apulia, Sicily, Sardinia (Abbazzi & Maggini 2009).

ECOLOGY. On Fabaceae (Abbazzi & Maggini 2009).

136. *Smicronyx cyaneus* (Gyllenhal, 1836)

RECORDS. **S2**: 2–16.V.2006, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. S-European.

ITALIAN DISTRIBUTION. Piedmont, Friuli-Venezia Giulia, Emilia-Romagna, almost all central and southern mainland regions, Sicily, Sardinia (Abbazzi & Maggini 2009).

ECOLOGY. On Orobanchaceae (Hoffmann 1958).

137. *Smicronyx jungermanniae* (Reich, 1797)

RECORDS. **S1**: 4–18.IV.2006, GC, mt, 1 ex (CNBFVR); 2–16.V.2006, GC, mt, 1 ex (CNBFVR). **S2**: 21.III–4.IV.2006, GC, mt, 2 ex (CNBFVR); 18.IV–2.V.2006, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. Centralasiatic-European-Mediterranean.  
ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).  
ECOLOGY. On *Cuscuta* (Abbazzi & Maggini 2009).

138. *Stenocarus ruficornis* (Stephens, 1831)

RECORDS. **S1**: 16–30.V.2006, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. W-Palaeartic.  
ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).  
ECOLOGY. On Papaveraceae (Colonnelli 2004).

139. *Stereonychus phyllireae* Chevrolat, 1859

RECORDS. **SAR1**: 16.II–15.VI.2004, DB PCe GN DW, mt, 1 ex (CNBFVR).

CHOROTYPE. Mediterranean.  
ITALIAN DISTRIBUTION. Friuli-Venezia Giulia, Tuscany, Latium, Molise, Campania, Calabria, Apulia, Basilicata, Sicily (Abbazzi & Maggini, 2009).  
ECOLOGY. On Oleaceae (Abbazzi & Maggini 2009).  
NOTES. First record for Sardinia.

140. *Torneuma vastum* Stüben, 2007

RECORDS. Carbonia-Iglesias prov., Parco M. Marganai, loc. Marmenga, 430 m (Magrini & Fancello 2007, as *Torneuma* sp.). **C01**: 1.IV.2002, LF, 3 ex (Colonnelli & Osella 2009).

CHOROTYPE. Sardinian endemic.  
ITALIAN DISTRIBUTION. Sardinia (Colonnelli & Osella 2009).

ECOLOGY. A blind weevil probably feeding on bulbs of Liliaceae like some of its congeners. It was collected in association with *Alaocyba carinulata* Perris, 1869 (Raymondionymidae) and *Typhloreicheia leoi pilosa* Magrini & Fancello, 2007 (Carabidae) (Magrini & Fancello 2007).

NOTES. Other records of *Torneuma* (*Torneuma*) sp. (Fancello et al. 2009) are known from the study area, but it has not yet been possible to examine them.

141. *Trichosirocalus horridus* (Panzer, 1801)

RECORDS. **C27**: 22.V.2006, PCo MB DB DW, sn, 1 ex (CNBFVR).

CHOROTYPE. W-Palaeartic.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On Carduaceae (Colonnelli 2004).

142. *Tychius argentatus* Chevrolat, 1859

RECORDS. **C20**: 25.III.2006, DW, nt, 1 ex (CNBFVR). **C62**: 2.V.2001, LF, 1 ex (CNBFVR). **S1**: 27.VI–11.VII.2006, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. Mediterranean.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On *Lotus* (Abbazzi & Maggini 2009).

143. *Tychius capucinus* (Boheman, 1843)

RECORDS. **G50**: 18.V.2008, GN PA MB MTi, sn, 2 ex (CNBFVR).

CHOROTYPE. W-Mediterranean.

ITALIAN DISTRIBUTION. Latium, southern mainland regions, Sicily, Sardinia (Abbazzi & Maggini 2009).

ECOLOGY. On *Lotus creticus* and *L. ornithopodioides* (Abbazzi & Maggini 2009).

144. *Tychius cuprifer* (Panzer, 1799)

RECORDS. **S1**: 2–16.V.2006, GC, mt, 1 ex (CNBFVR); 16–30.V.2006, GC, mt, 5 ex (CNBFVR); 27.VI–11.VII.2006, GC, mt, 2 ex (CNBFVR); 11–25.VII.2006, FC, mt, 1 ex (CNBFVR).

CHOROTYPE. Turano-European.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On Fabaceae (Abbazzi & Maggini 2009).

145. *Tychius cupriferoideus* (Ragusa, 1922)

RECORDS. **G31**: 15.VI.2004, GN, wn, 1 ex (Colonnelli & Osella 2009).

CHOROTYPE. Italian endemic.

ITALIAN DISTRIBUTION. Basilicata, Calabria, Sicily, Sardinia (Abbazzi & Maggini 2009; Colonnelli & Osella 2009).

ECOLOGY. On Fabaceae (Abbazzi & Maggini 2009).

146. *Tychius decretus* Tournier, 1873

RECORDS. **L03**: 1.VII.1987, VV, 1 ex (CNBFVR).

CHOROTYPE. W-Mediterranean.

ITALIAN DISTRIBUTION. Emilia-Romagna, almost all central and southern mainland regions, Sicily, Sardinia (Abbazzi & Maggini 2009).

ECOLOGY. On *Ononis repens* and *Trifolium* spp. (Abbazzi & Maggini 2009).

147. *Tychius meliloti* Stephens, 1831

RECORDS. **C62**: 2.V.2001, LF, 1 ex (CNBFVR).

CHOROTYPE. W-Palaearctic.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On *Melilotus* (Abbazzi & Maggini 2009).

148. *Tychius pusillus* Germar, 1842

RECORDS. **C31**: 20–23.V.2006, MB PCo DB DW, mt, 2 ex (CNBFVR). **C35**: 12.V.2002, LF, 1 ex (CNBFVR). **C62**: 2.V.2001, LF, 1 ex (CNBFVR). **G46**: 17.V.2008, MB PA GN MTr, sn, 1 ex (CNBFVR). **S1**: 16–30.V.2006, GC, mt, 1 ex (CNBFVR). **S2**: 21.III–4.IV.2006, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. W-Palaearctic.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On *Trifolium* (Abbazzi & Maggini 2009).

149. *Tychius tibialis* Boheman, 1843

RECORDS. **C81**: 7.VI.2004, GN, dc, 1 ex (CNBFVR). **S1**: 16–30.V.2006, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. Turano-Europeo-Mediterranean.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On *Trifolium* (Abbazzi & Maggini 2009).

## RAYMONDIONYMIDAE Reitter, 1913

150. *Alaocyba carinulata* Perris, 1869

RECORDS. Carbonia-Iglesias prov., Parco M. Marganai, Mamenga (Magrini & Fancello 2007); Carbonia-Iglesias prov., Domusnovas: Gutturu di Monte Nieddu, 290–330 m; Valle di Oridda, 570 m; Iglesias: Case Marganai, 725 m; Mamenga, 430 m (Fancello et al. 2009). Medio Campidano prov., Villacidro: Foresta Demaniale di Montimannu, 280 m; San Sisinnio, 250 m (Fancello et al. 2009).

CHOROTYPE. Sardo-Corsican endemic (Osella et al. 2011).

ITALIAN DISTRIBUTION. Sardinia (Osella et al. 2011).

ECOLOGY. A blind weevil collected by sifting clay soil taken at the base of a limestone cliff in a holm oak wood, associated with *Typhloreicheia holdhausi* Magrini, Fancello & Casale, 2006 (Carabidae), *Bathysciola damryi* Abeille, 1881 (Leiodidae, Cholevinae), *Torneuma vastum* (Curculionidae) and *Raymondiellus sardous* (Perris, 1869) (Raymondionymidae) (Magrini & Fancello 2007). The species has also been collected in association with *Entomoculia (E.) villascae* Fancello, Hernando & Leo 2009, *E. (E.) carbonaria* Fancello, Hernando & Leo 2009, *Leptotyphlus minator* Fancello, Hernando & Leo 2009, *L. nardii* Fancello, Hernando & Leo 2009, *L. villacidrinus* Fancello, Hernando & Leo 2009 (Staphylinidae) and *Torneuma* sp. (Curculionidae) (Fancello et al. 2009).

151. *Alaocyba* sp.

RECORDS. Cagliari prov., Muravera, San Priamo, Su Monti (pendici M. Idda), 50 m, XII.2006–I.2007, LF (Magrini & Fancello 2007).

ITALIAN DISTRIBUTION. The true identity of this species is unknown. At any rate, only four species of *Alaocyba* Perris, 1869 are reported from Italy: one (*A. carinulata*) from Sardinia, two from Sicily (*A. lampedusae* Doderò, 1916 and *A. separanda* Doderò, 1916), and one (*A. marcuzzii* Osella, 1977) from central and southern Italy (Abbazzi & Maggini 2009).

ECOLOGY. The species was found by sifting granitic soil taken from under stones at the base of an olive tree, in association with *Raymondiellus* sp. (Raymondionymidae), *Typhloreicheia petriolii* Magrini & Fancello, 2007 (Carabidae), *Langelandia* sp. (Zopheridae, Colydiinae) and Coleoptera Staphylinidae Leptotyphlinae (Magrini & Fancello 2007).

152. *Raymondiellus sardous sardous* (Perris, 1869)

RECORDS. Carbonia-Iglesias prov., Parco M. Marganai, Mamenga (Magrini & Fancello 2007). Carbonia-Iglesias prov., Domusnovas: Gutturu di Monte Nieddu, 290 m; Valle di Oridda, 570 m; Iglesias: Case Marganai, 725 m; Mamenga, 430 m (Fancello et al. 2009). Medio Campidano prov., Villacidro: Foresta Demaniale di Montimannu, 280 m; San Sisinnio, 250 m (Fancello et al. 2009).

CHOROTYPE. Sardinian endemic (Osella et al. 2011).

ITALIAN DISTRIBUTION. Sardinia (Osella et al. 2011).

ECOLOGY. As quoted above for *Alaocyba carinulata*, with which it has been collected, also together with *Typhloreicheia leoi pilosa* Magrini & Fancello, 2007

(Carabidae) (Magrini & Fancello 2007). The species has also been collected in association with *Entomoculia* (*E. villascemae*, *E. (E.) carbonaria*, *Leptotyphlus minator*, *L. nardii*, *L. villacidrinus*) (Staphylinidae) and *Torneuma* sp. (Curculionidae) (Fancello et al. 2009).

153. *Raymondiellus* sp.

RECORDS. Cagliari prov., Muravera, San Priamo, Su Monti (pendici M. Idda), 50 m (Magrini & Fancello 2007).

ITALIAN DISTRIBUTION. Five of the Italian species of this genus are Sardinian endemics, and one occurs in central and southern Italy (Abbazzi & Maggini 2009).

ECOLOGY. A blind weevil, probably feeding on roots deep in the soil (cf. Abbazzi & Maggini 2009).

154. *Raymondiellus* sp.

RECORDS. Medio Campidano prov., San Gavino Monreale, Arbus, 310 m (Magrini & Fancello 2007).

ITALIAN DISTRIBUTION. See comment under the previous species.

ECOLOGY. As above.

DRYOPHTHORIDAE Schoenherr, 1825

155. *Sitophilus granarius* (Linnaeus, 1758)

RECORDS. **S2**: 16–30.V.2006, GC, mt, 1 ex (CNBFVR); 13–27.VI.2006, GC, mt, 1 ex (CNBFVR); 19.IX–3.X.2006, GC, mt, 1 ex (CNBFVR).

CHOROTYPE. Cosmopolitan.

ITALIAN DISTRIBUTION. All regions (Abbazzi & Maggini 2009).

ECOLOGY. On stored grains (Abbazzi & Maggini 2009).

156. *Sphenophorus parumpunctatus* Gyllenhal, 1838

RECORDS. **A01**: 14.VII.2006, PCe DA MB DB MM DW, nt, 1 ex (CNBFVR). **A05**: 13.VI.2004, GN DB PCe MT DW, dc, 1 ex (CNBFVR). **C18**: 9.XI.2006, MB, dc sotto sassi, 1 ex (CNBFVR).

CHOROTYPE. Mediterranean.

ITALIAN DISTRIBUTION. Central and southern mainland regions, Sicily, Sardinia (Abbazzi & Maggini 2009).

ECOLOGY. On *Scirpus* (Abbazzi & Maggini 2009).

## DISCUSSION

The main study area, the Marganai area in the surroundings of Iglesias (Bardiani 2011), is located in the south-western part of Sardinia where no high mountains are found; given that the fauna of the island is rather complex from a biogeographical point of view, with many species known only from a few or even a single locality, it was expected that only a portion of the Curculionoidea living in Sardinia could be recovered in this area. A few of the records come from other parts of the island, and were primarily gathered on the way to the main study area.

The total number of collected or recorded species of Curculionoidea (Brentidae, Scolytidae and Platypodidae excluded) is 156, distributed within families as follows: 4 Anthribidae, 1 Attelabidae, 4 Rhynchitidae, 35 Apionidae, 5 Nanophyidae, 4 Brachyceridae, 96 Curculionidae, 5 Raymondionymidae, 2 Dryophthoridae. This number corresponds to approximately 26% of the Curculionoidea recorded from Sardinia (Abbazzi & Maggini 2009).

Considering that several of the localities are inside somewhat protected and often wooded areas, the figure is rather low. One reason to explain this relative poverty is that sampling methods used are suitable for only a part of this group of beetles, the ecology of which often requires special ways of collecting. However, noteworthy are the findings of some uncommon forest species (*Camptorhinus simplex*, *Echinodera bellieri*, *E. peragalloi*, *Torneuma vastum*), in addition to three new records for Sardinia (*Dorytomus dejeani*, *Enedreytes hilaris*, *Stereonychus phyllireae*) and seven recently reported by Colonnelli & Osella (2009). Moreover, the occurrence in Sardinia of *Polydrusus cervinus*, previously considered doubtful, is confirmed.

Dominant species of forest communities are: *Polydrusus parallelus*, *Curculio glandium*, *C. elephas*, and *Brachyderes pubescens*, all related to oaks, like many other of the sampled weevils (*Choragus aurolineatus*, *Attelabus nitens*, *Eomesauletes politus*, *Archarius pyrroceras*, *Camptorhinus simplex*, *Caulostrophus subsulcatus*, *Coeliodes transversealbofasciatus*, *Orchestes erythropus*, *O. tricolor*, and *Polydrusus cervinus*).

Curculionoidea of steppic or parasteppic localities are: the four members of *Brachycerus* Olivier, 1790 collected during this survey, *Ceutorhynchus resedae*, *C. sardeanensis*, all the species of *Charagmus* Schoenherr, 1826, *Coniocleonus excoriatus*, *Conorhynchus mendicus*, *Cyphocleonus morbillosus*, *Donus crinitus*, *D. philanthus*, *Hypera constans*, *Lixomorphus algeris*, *Lixus umbellatarum*, *Mecaspis alternans*, *Mecinus comosus*,



*Melaleucus spoliatus*, *Sibinia arenariae*.

The following species are typical of pastures, often associated to thistles and other ungrazed plants: *Ceratapion gibbirostre*, *C. scalptum*, all the species of *Larinus* Dejean, 1821, *Lixus filiformis*, *L. scolopax*, *Rhinocyllus conicus*, *Trichosirocalus horridus*.

In the humid spots, freshwater or brackish, the following species were found: *Corimalia postica*, *Nanophyes hemisphaericus*, *N. marmoratus*, *N. nitidulus*, *N. rubricus*, *Coniatus tamarisci*, *Lixus brevisrostris*, *Sphenophorus parumpunctatus*.

Ubiquist species, often related to open fields and meadows of anthropogenic origin, are: *Aulacobaris coerulescens*, *Calosirus terminatus*, *Ceutorhynchus pallidactylus*, *Cionus hortulanus*, *C. olivieri*, *C. thapsus*, *Hypera meles*, *H. nigrirostris*, *H. postica*, *H. venusta*, *Lixus bardanae*, *L. punctiventris*, *Mecinus pascuorum*, *Microplontus rugulosus*, *Mogulones geographicus*, *M. peregrinus*, *Rhinusa tetra*, *Sibinia attalica*, *S. femoralis*, *Sirocalodes mixtus*, all the *Sitona* Germar, 1817, *Tychius cuprifer*, *T. meliloti*, *T. pusillus*, *T. tibialis*, and almost all Apionidae.

The remaining species are usually related to bushes or plants growing on non-cultivated slopes.

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