



Taxonomy & Inventories

# The wild bees (Hymenoptera, Apoidea, Anthophila) of the urban nature reserves of Rome (Italy, Latium): a preliminary survey

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## Abstract

### Background

Urbanisation is a global phenomenon responsible for negative processes in natural ecosystems, such as degradation, loss of habitat and fragmentation. Large urban green areas could, however, represent shelter for animal species, promoting biodiversity conservation. Urban green spaces can also provide useful habitats for threatened species. Wild bees are amongst the most important and efficient pollinating insects and play an indispensable role in ecosystem functioning. Approximately half of the European wild bee species have been reported from Italy, making it a biodiversity hotspot for this group of insects. Many studies have been conducted on pollinating insects in recent years, but few data and incomplete knowledge on wild bee faunas in strictly urban environments exist. Georeferenced faunal data would be important for conservation efforts and understanding the effects that large cities such as Rome may have on the diversity of wild bee communities.

## New information

This work focused on the diversity of wild bees in nature reserves belonging to the RomaNatura network within the urban area of Rome, Italy. A total of 208 wild bee species belonging to 36 genera and six families were identified. Amongst the species surveyed, one species was classified as Endangered (EN) and seven species were classified as Near Threatened (NT) by the European Red List of wild bees. Twenty-four species are new reports for the urban area of Rome. Sampling took place from April to September 2022. The most represented family in terms of abundance was Halictidae, accounting for 36% of all bees collected, followed by Apidae (24% of samples), Andrenidae (17% of samples), Megachilidae (15% of samples), Colletidae (7% of samples) and Melittidae (1% of samples). The Megachilidae family was the richest in terms of the number of species, accounting for 25% of the total species sampled. This research aimed to provide a set of standardised and georeferenced wild bee occurrences that constitute the baseline for any faunistic, ecological and conservation activity of Rome's nature reserves. In addition, the research aims to demonstrate the importance of large urban green areas in one of the largest European cities as biodiversity reservoirs for wild bees.

## Keywords

biodiversity, conservation, faunistics, urban fauna, wild bees

## Introduction

The urbanisation process represents one of the main threats to biodiversity (Connor et al. 2002, Matteson and Langellotto 2011, Vanbergen and the Insect Pollinators Initiative 2013), causing fragmentation, modification and loss of habitats (Díaz et al. 2006, McKinney 2008, Aguilera et al. 2018) and consequently resulting in richness and abundance loss (Baldock et al. 2015, Fenoglio et al. 2021). However, studies quantifying the effects of urbanisation on biodiversity seem to provide conflicting results. Recent works have shown that the urban environment, particularly urban green areas, can even have positive effects on the conservation of biodiversity compared to other ecosystems strongly impacted by anthropogenic activities, such as areas subject to intensive agriculture (Öckinger et al. 2009, Nielsen et al. 2013, Banaszak-Cibicka et al. 2016, Dyderski et al. 2016, Hall et al. 2017, Ciach and Fröhlich 2019, Dylewski et al. 2019). Not all species are adversely affected by urbanisation and urban areas can provide unique opportunities for conservation (Magura et al. 2010, Moorhead and Philpott 2013, Fattorini et al. 2017, Fattorini et al. 2020, Wenzel et al. 2020, Francoeur et al. 2021). For example, the positive effects on pollinator biodiversity may be the result of biotic factors, such as a greater diversity of plant species in urbanised areas than in rural areas due to the presence of exotic and ornamental plants that make trophic resources available for a longer period during the year and increase the diversity of habitats and microclimates (Zaninotto et al. 2023). Another possible factor can be the degradation in the quality of

habitats in rural areas (Wenzel et al. 2020). Abiotic factors can also have important effects. The 'heat island effect' produces higher air temperatures and more stable climatic conditions (Kuttler 2008) in cities than in surrounding areas (Oke 1973), affecting insect phenology and survival (Chick et al. 2019). For this reason, urban green spaces can represent important locations for the conservation of several animal groups of vertebrates and invertebrates (Forman 1995, Angold et al. 2006, Jones and Leather 2012, Fattorini and Galassi 2016), particularly for insect pollinators such as bees. Despite the considerable efforts made in recent years through studies and investments, there is still a lack of knowledge regarding insect urban diversity and ecology. In particular, few studies have focused on pollinators in cities. Italy is a biodiversity hotspot for wild bees (Orr et al. 2021). Focusing on the most important and complete papers published on Apoidea biodiversity in Italy in recent decades, 1173 species were reported in Comba (2019). Lhomme et al. (2020) reduced the number to 1028 species using data provided by Ascher and Pickering (2020) and showing that Italy has the eleventh bee richness in the Mediterranean Basin. Wood et al. (2023), while revising Italian *Andrena*, subsequently added nine more species to those previously listed, confirming that Italy hosts one of the largest *Andrena* faunas in the world. This addition resulted from the revision of eight species and the description of a new one. Cornalba et al. (2024) recently provided eight new faunistic records for the Italian fauna, taking the number of species to 1045. The diversity of Hymenoptera Apoidea inhabiting Rome was previously discussed in Comba and Comba (1991), in which 450 species were reported for the Latium Region (Fig. 1A) and, in Comba and Comba (1997), 378 wild bee species were recorded within the Grande Raccordo Anulare (GRA; see Materials and Methods). Despite the large number of species listed in these works, unpublished data and specimens housed in the Maurizio Mei collection (Museum of the Institute of Zoology, Sapienza University, Rome, Italy) suggest that the number of species present in the urban area of Rome might exceed 400. One of the most recent papers on this topic is that of Geppert et al. (2022), who studied the functional traits and ecology of wild bees in Rome and provided a list of bee species. The objective of this study is to provide precise and original georeferenced faunistic data on the Apoidea Anthophila inhabiting the urban natural reserves of Rome, making them immediately available in the standard Darwin-core format to facilitate their use in future scientific work focused on the biodiversity of pollinating insects in urban areas. In addition, these data constitute an integration and update of the previously available information, thus setting the new faunistic reference to be used as a starting base. Producing this type of data for a city such as Rome, which is amongst the largest and most urbanised in Europe, is an important starting point for understanding how urbanisation defines and might affect animal biodiversity. Providing precise information on Apoidea distributions and insects in general in large urban green areas is essential for implementing plans to protect and enhance the positive effects on the diversity and abundance of pollinator communities. This type of data and information can also be used to provide guidelines for urban green management actions aimed at encouraging the presence of pollinating insects in the urban environment.

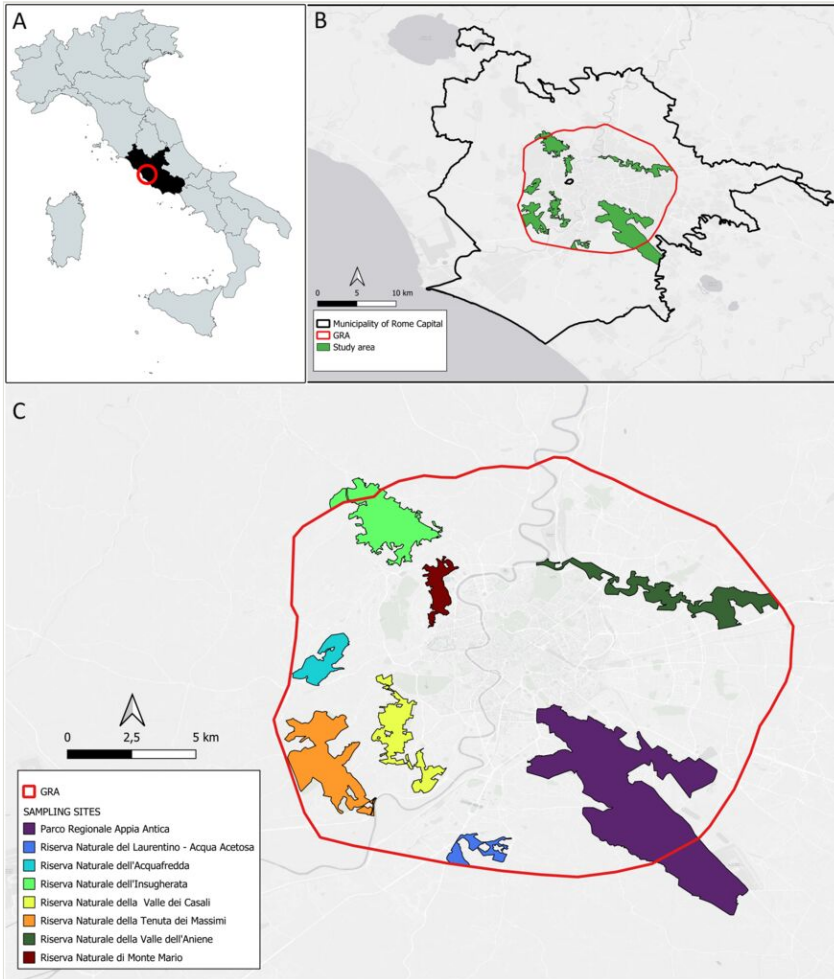


Figure 1. [doi](#)

Study area. **A** Location of Rome Municipality (red circle) within the Italian territory. The Latium Region in black; **B** Location of the study area (in green) within the Rome Municipality (black line). GRA is the Grande Raccordo Anulare, a motorway conventionally used to define the urban area of Rome (red line); **C** Nature Reserves within the urban area of Rome belonging to the RomaNatura network.

## Materials and methods

### Study area and sites

Rome is one of the largest cities in Europe and the third most populated city in the European Union, with a population of 2,873,494 (Demo Istat 2017). The urban area is conventionally identified with the region delimited by the motorway ring known as the

Grande Raccordo Anulare (GRA), with a length of approximately 360 km<sup>2</sup> (Fattorini 2011, Di Pietro et al. 2021). All nature reserves sampled in this study are located within the boundaries delimited by the freeway that surrounds the more densely urbanised area of the city (ca. 360 km<sup>2</sup>). Sampling took place from April to September 2022 in eight large green areas of the city of Rome, Italy (41.903611, 12.488611) (Fig. 1). Eight nature reserves were selected for sampling, with an extension ranging from 152 hectares (Riserva Naturale Laurentino-Acqua Acetosa) to 4580 hectares (Parco Regionale dell'Appia Antica). Seven nature reserves are part of the RomaNatura network. In addition to these seven areas, we included the Parco Regionale dell'Appia Antica, which is the largest urban green area in Europe and is located southeast of the city.

In the following is reported the list of nature reserves considered in this study, the relative abbreviations, the coordinate of the centroids reported in decimal degrees, the extent and the number of fixed transects performed in each reserve for session:

- Parco Regionale dell'Appia Antica (APP) (41.864167, 12.515833) (4580 hectares/3 transects);
- Riserva Naturale dell'Insugherata (INS) (41.961944, 12.427222) (697 hectares/3 transects);
- Riserva Naturale Valle dei Casali (VDC) (41.867778, 12.432222) (466 hectares/2 transects);
- Riserva Naturale Valle dell'Aniene (VAN) (41.929055, 12.556024) (650 hectares/ 2 transects);
- Riserva Naturale Tenuta dei Massimi (TDM) (41.846667, 12.400000) (774 hectares/2 transects);
- Riserva Naturale di Monte Mario (MMA) (41.922500, 12.452500) (204 hectares/1 transect);
- Riserva Naturale Tenuta dell'Acquafredda (ACQ) (41.892222, 12.398056) (249 hectares/1 transect);
- Riserva Naturale Laurentino-Acqua Acetosa (LAU) (41.805556, 12.477778) (152 hectares/1 transect).

## Sampling method

Sampling was carried out along 250-metre-long fixed transects (the transects remained the same in length and position throughout the study) and was repeated once a month, from April to September, in all eight nature reserves selected for the study. The number of transects performed in each site depended on the size of each nature reserve. In total, we performed 15 fixed transects, one each 250 hectares of extension, for a maximum of three transects per nature reserve. The transect locations were chosen where the vegetation was representative of the area and at least 100 metres apart. In three out of the eight sites, this ratio was not mathematically respected due to some specific characteristics of the area and limits to accessibility. The total extension of TDM is 774 hectares, but we performed two linear transects, due to the ban on access to a large archaeological private area. In VAN, we performed two transects because the park has

elongated and narrow shapes that extend to the sides of a part of the Aniene River. It increased greatly the ratio between the perimeter and the surface of the area and meant that a large part of the park is occupied by the watercourse. In addition, a relevant percentage of the remaining walkable surface is made up of roads to move inside the park reducing the areas where a transect could be performed. APP is a huge urban green area. It extends from the centre of the city to the outskirts and presents, within it, a mosaic of inhabited, grazing, recreational and archaeological areas, but also integral reserves, accessible to citizens. Here, we carried out the transects in three areas, homogeneously distributed along the park. The investigations were conducted under sunny, low-wind weather conditions between 10:00 am and 3:00 pm. Wild bees were collected via an entomological net within 2 m on both sides of each sample line (Westphal et al. 2008, Schindler et al. 2013, Neumüller et al. 2020). Each transect was carried out by walking at a constant speed for 45 minutes. All the observations were conducted by the same person (LF) walking along the sample lines. All the samples were collected while foraging on flowers along the transects.

## Preparation and identification

All collected samples were stored in Falcon tubes, exposed to ethyl acetate and dry-pinned. Morphological identification was performed using reference literature on the group and taxonomic keys such as those provided by Michez et al. (2019) for genera identification, Amiet et al. (2007) for Apidae, Smith (2018) for *Nomada*, Amiet et al. (2001) and Pauly (2015) for Halictidae, Amiet et al. (2004) for Megachilidae, Dathe (1980) for *Hylaeus*, Amiet et al. (1999) for *Colletes*, Wood (2023) for *Andrena* and taking as reference the collection from the Museum of Zoology of La Sapienza University. The identifications have been validated by an expert taxonomist author (MM). The final list of species collected during the study is reported below. The checklist respects the alphabetical order and the latitude/longitude given for each specimen are those of the mid-point of the transect where it was collected. The taxonomic arrangement followed that of Ghisbain et al. (2023), Wood (2024) and Orr et al. (2024).

## Andrenidae Fabricius, 1775

### *Andrena aeneiventris* Morawitz, 1872

#### Material

- a. scientificName: *Andrena (Aenandrena) aeniventris* Morawitz, 1872; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Aenandrena*; specificEpithet: aeniventris; scientificNameAuthorship: Morawitz, 1872; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-16; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0871; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 4C0406DB-3BEC-500F-880F-14C2E1AEB131

***Andrena agilissima* (Scopoli, 1770)****Material**

- a. scientificName: *Andrena (Agandrena) agilissima* (Scopoli, 1770); order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Agandrena*; specificEpithet: *agilissima*; scientificNameAuthorship: (Scopoli, 1770); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-05; individualCount: 2; sex: males; lifeStage: adult; catalogNumber: A1043, A1044; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 7CB582D4-ECBC-5738-B1F6-AC2B6B240ACB

***Andrena albopunctata* (Rossi, 1792)****Material**

- a. scientificName: *Andrena (Melandrena) albopunctata* (Rossi, 1792); order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Melandrena*; specificEpithet: *albopunctata*; scientificNameAuthorship: (Rossi, 1792); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-24; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1045; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 564C8012-E9E2-5D77-84A9-49A5879ECC9E

***Andrena bisulcata* Morawitz, 1877****Materials**

- a. scientificName: *Andrena (Aenandrena) bisulcata* Morawitz, 1877; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Aenandrena*; specificEpithet: *bisulcata*; scientificNameAuthorship: Morawitz, 1877; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-28; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1212, A1213; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 6ECB3C0C-1C45-53E4-98AC-F687D620B4E7
- b. scientificName: *Andrena (Aenandrena) bisulcata* Morawitz, 1877; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Aenandrena*; specificEpithet: *bisulcata*; scientificNameAuthorship: Morawitz, 1877; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-15; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1217; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 52DAD577-4BE2-5DB5-9F02-D74AD74CFBBF

## *Andrena braunsiana* Friese, 1887

### Material

- a. scientificName: *Andrena* (*Pallandrena*) *braunsiana* Friese, 1887; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Pallandrena*; specificEpithet: *braunsiana*; scientificNameAuthorship: Friese, 1887; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-15; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1964; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: B1AA5D07-7733-58D9-B7BA-E4B717E22E48

## *Andrena cinerea* Brullé, 1832

### Materials

- a. scientificName: *Andrena* (*Chlorandrena*) *cinerea* Brullé, 1832; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Chlorandrena*; specificEpithet: *cinerea*; scientificNameAuthorship: Brullé, 1832; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-04; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A0878, A0900; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 9404E0B4-C86B-5954-B6FD-4DB99981EC3F
- b. scientificName: *Andrena* (*Chlorandrena*) *cinerea* Brullé, 1832; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Chlorandrena*; specificEpithet: *cinerea*; scientificNameAuthorship: Brullé, 1832; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-28; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1214; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: CCF7AFC7A-C17D-5294-BEDC-FBF6764C5304
- c. scientificName: *Andrena* (*Chlorandrena*) *cinerea* Brullé, 1832; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Chlorandrena*; specificEpithet: *cinerea*; scientificNameAuthorship: Brullé, 1832; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-20; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0894; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 8FCE1A74-E5A2-5D12-8F79-37113F51DA18

## *Andrena clypella* Strand, 1921

### Materials

- a. scientificName: *Andrena* (*Chlorandrena*) *clypella* Strand, 1921; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Chlorandrena*; specificEpithet: *clypella*; scientificNameAuthorship: Strand, 1921; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627;



- decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-07; individualCount: 3; sex: males; lifeStage: adult; catalogNumber: A0994, A0995, A0996; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: EA4EAEEB-9E21-55F5-9032-64341B801FDF
- b. scientificName: *Andrena (Chlorandrena) clypella* Strand, 1921; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Chlorandrena*; specificEpithet: *clypella*; scientificNameAuthorship: Strand, 1921; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-05; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0880; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: D8BD948E-5450-5F55-9D69-8D2253AE4A53
- c. scientificName: *Andrena (Chlorandrena) clypella* Strand, 1921; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Chlorandrena*; specificEpithet: *clypella*; scientificNameAuthorship: Strand, 1921; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-24; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A0879, A0881; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 8FA16DCC-BACB-503C-A49F-B047D56EC5B0
- d. scientificName: *Andrena (Chlorandrena) clypella* Strand, 1921; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Chlorandrena*; specificEpithet: *clypella*; scientificNameAuthorship: Strand, 1921; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-24; individualCount: 2; sex: male; lifeStage: adult; catalogNumber: A0967, A0968; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 99725ED6-4E59-5455-A9E5-864ACD0CF0C0

## *Andrena colletiformis* Morawitz, 1874

### Material

- a. scientificName: *Andrena (Brachyandrena) colletiformis* Morawitz, 1874; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Brachyandrena*; specificEpithet: *colletiformis*; scientificNameAuthorship: Morawitz, 1874; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-13; individualCount: 6; sex: males; lifeStage: adult; catalogNumber: A0956, A0957, A0958, A0959, A0960, A1641; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: A998AEEE-3606-571A-86A4-C831E1211A7B

## *Andrena combaella* Warncke, 1966

### Material

- a. scientificName: *Andrena (Ulandrena) combaella* Warncke, 1966; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Ulandrena*; specificEpithet: *combaella*; scientificNameAuthorship: Warncke, 1966; country: Italy; countryCode: IT; stateProvince:

Roma; locality: Riserva Regionale dell'Appia Antica 3; decimalLatitude: 41.8298456; decimalLongitude: 12.5432538; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-24; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1070, A1071; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 06084046-56AC-5D93-B1AC-6CBD35BC3600

## ***Andrena congruens* Schmiedeknecht, 1884**

### **Material**

- a. scientificName: *Andrena (Simandrena) congruens* Schmiedeknecht, 1884; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Simandrena*; specificEpithet: *congruens*; scientificNameAuthorship: Schmiedeknecht, 1884; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-19; individualCount: 1; sex: males; lifeStage: adult; catalogNumber: A0965; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: F354FD60-2344-52F7-95C7-CB14C60EDD98

## ***Andrena decipiens* Schenck, 1861**

### **Material**

- a. scientificName: *Andrena (Holandrena) decipiens* Schenck, 1861; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Holandrena*; specificEpithet: *decipiens*; scientificNameAuthorship: Schenck, 1861; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-23; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1106, A1107; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: E03631F7-1346-59FE-AC31-79E7E4F90D6F

## ***Andrena distinguenda* Schenck, 1871**

### **Materials**

- a. scientificName: *Andrena (Distandrena) distinguenda* Schenck, 1871; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Distandrena*; specificEpithet: *distinguenda*; scientificNameAuthorship: Schenck, 1871; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-15; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A0846, A0848; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 45D6E0F3-7EF5-5932-A645-BDC945965AD6
- b. scientificName: *Andrena (Distandrena) distinguenda* Schenck, 1871; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Distandrena*; specificEpithet: *distinguenda*; scientificNameAuthorship: Schenck, 1871; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-28; individualCount: 2; sex: females;

- lifeStage: *adult*; catalogNumber: A0847, A0849; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: CE2A0545-E586-5E8E-886F-E39A1E4C5402
- c. scientificName: *Andrena (Distandrena) distinguenda* Schenck, 1871; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Distandrena*; specificEpithet: *distinguenda*; scientificNameAuthorship: Schenck, 1871; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-07; individualCount: 2; sex: females; lifeStage: *adult*; catalogNumber: A1222, A1225; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 38296931-1F26-53BD-A75C-F9FDD07EB628
- d. scientificName: *Andrena (Distandrena) distinguenda* Schenck, 1871; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Distandrena*; specificEpithet: *distinguenda*; scientificNameAuthorship: Schenck, 1871; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 2; decimalLatitude: 41.8596887; decimalLongitude: 12.4355075; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-10; individualCount: 1; sex: females; lifeStage: *adult*; catalogNumber: A1223; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: ACD6506F-CCF6-56F1-B46B-1910631C81B9
- e. scientificName: *Andrena (Distandrena) distinguenda* Schenck, 1871; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Distandrena*; specificEpithet: *distinguenda*; scientificNameAuthorship: Schenck, 1871; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-12; individualCount: 1; sex: females; lifeStage: *adult*; catalogNumber: A1226; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 99CD02F7-1F1A-5838-88F8-DF1319C5B2CF

## *Andrena flavipes* Panzer, 1799

### Materials

- a. scientificName: *Andrena (Zonandrena) flavipes* Panzer, 1799; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Zonandrena*; specificEpithet: *flavipes*; scientificNameAuthorship: Panzer, 1799; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-13; individualCount: 1; sex: female; lifeStage: *adult*; catalogNumber: A1003; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: B0535F12-179A-5778-B142-F74A42BF7F8C
- b. scientificName: *Andrena (Zonandrena) flavipes* Panzer, 1799; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Zonandrena*; specificEpithet: *flavipes*; scientificNameAuthorship: Panzer, 1799; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-10; individualCount: 1; sex: male; lifeStage: *adult*; catalogNumber: A1031; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 6E121FFB-B913-5E1D-BA8F-C4172824424C
- c. scientificName: *Andrena (Zonandrena) flavipes* Panzer, 1799; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Zonandrena*; specificEpithet: *flavipes*; scientificNameAuthorship: Panzer, 1799; country: Italy; countryCode: IT; stateProvince:

- Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-12; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1035; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 38410C7A-A20A-5049-B797-0CD23568E0C6
- d. scientificName: *Andrena (Zonandrena) flavipes* Panzer, 1799; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Zonandrena*; specificEpithet: *flavipes*; scientificNameAuthorship: Panzer, 1799; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-15; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1011; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 9FBBA7B7-038A-593D-B120-124885EB03E7
- e. scientificName: *Andrena (Zonandrena) flavipes* Panzer, 1799; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Zonandrena*; specificEpithet: *flavipes*; scientificNameAuthorship: Panzer, 1799; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-27; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1024, A1025; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 78199C39-BD5D-5BE1-B0B8-360CF34F67D7
- f. scientificName: *Andrena (Zonandrena) flavipes* Panzer, 1799; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Zonandrena*; specificEpithet: *flavipes*; scientificNameAuthorship: Panzer, 1799; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-24; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1015; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 381327C4-531D-5AC6-9BFB-C522A47F61E1
- g. scientificName: *Andrena (Zonandrena) flavipes* Panzer, 1799; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Zonandrena*; specificEpithet: *flavipes*; scientificNameAuthorship: Panzer, 1799; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-24; individualCount: 4; sex: females; lifeStage: adult; catalogNumber: A1005, A1006, A1019, A1029; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 8393DCD6-9179-5F38-8980-57D6EDCF0A79
- h. scientificName: *Andrena (Zonandrena) flavipes* Panzer, 1799; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Zonandrena*; specificEpithet: *flavipes*; scientificNameAuthorship: Panzer, 1799; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-12; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1016; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: E66B8546-5E5F-5BA5-BDC4-623390BE374F
- i. scientificName: *Andrena (Zonandrena) flavipes* Panzer, 1799; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Zonandrena*; specificEpithet: *flavipes*; scientificNameAuthorship: Panzer, 1799; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84;

- coordinatePrecision: 0.0002; eventDate: 2022-06-16; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1026; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 023CD5FA-C4E5-5E93-A5D9-6F256F3F66A6
- j. scientificName: *Andrena (Zonandrena) flavipes* Panzer, 1799; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Zonandrena*; specificEpithet: *flavipes*; scientificNameAuthorship: Panzer, 1799; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-23; individualCount: 9; sex: females; lifeStage: adult; catalogNumber: A1002, A1004, A1007, A1013, A1017, A1018, A1021, A1027, A1028; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 289470B5-DB50-559C-ACCD-D64442E6FC63
- k. scientificName: *Andrena (Zonandrena) flavipes* Panzer, 1799; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Zonandrena*; specificEpithet: *flavipes*; scientificNameAuthorship: Panzer, 1799; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-01; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1032; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 14D620B1-7650-5E4F-9D32-A55D06B02EA9
- l. scientificName: *Andrena (Zonandrena) flavipes* Panzer, 1799; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Zonandrena*; specificEpithet: *flavipes*; scientificNameAuthorship: Panzer, 1799; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-27; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1037; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: D4C7A265-FBE7-5C73-8009-E06712E77A02
- m. scientificName: *Andrena (Zonandrena) flavipes* Panzer, 1799; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Zonandrena*; specificEpithet: *flavipes*; scientificNameAuthorship: Panzer, 1799; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-01; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1023; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: EB18E56F-F749-50A3-93B3-47DD6ECE8E8A
- n. scientificName: *Andrena (Zonandrena) flavipes* Panzer, 1799; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Zonandrena*; specificEpithet: *flavipes*; scientificNameAuthorship: Panzer, 1799; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-27; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1036; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 7D9DE7AF-1641-5089-9232-47554FB276A2
- o. scientificName: *Andrena (Zonandrena) flavipes* Panzer, 1799; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Zonandrena*; specificEpithet: *flavipes*; scientificNameAuthorship: Panzer, 1799; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 1; decimalLatitude: 41.9345179; decimalLongitude: 12.5453096; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-05; individualCount: 1; sex: female; lifeStage: adult; catalogNumber:

- A1009; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 970C4BAB-90A8-57C8-92D3-9ACBCF9FDF07
- p. scientificName: *Andrena (Zonandrena) flavipes* Panzer, 1799; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Zonandrena*; specificEpithet: *flavipes*; scientificNameAuthorship: Panzer, 1799; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 1; decimalLatitude: 41.9345179; decimalLongitude: 12.5453096; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-28; individualCount: 2; sex: 1 male, 1 female; lifeStage: adult; catalogNumber: A1022, A1038; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 4F475137-F2C2-5720-964D-A99879DD9CDB
- q. scientificName: *Andrena (Zonandrena) flavipes* Panzer, 1799; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Zonandrena*; specificEpithet: *flavipes*; scientificNameAuthorship: Panzer, 1799; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-28; individualCount: 3; sex: females; lifeStage: adult; catalogNumber: A1001, A1020, A1039; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 88E991B4-EF0F-5BB7-A8DF-40F07DD29243
- r. scientificName: *Andrena (Zonandrena) flavipes* Panzer, 1799; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Zonandrena*; specificEpithet: *flavipes*; scientificNameAuthorship: Panzer, 1799; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-05; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1030; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: B494CFDA-59FD-574A-8E0B-76B654878FAB
- s. scientificName: *Andrena (Zonandrena) flavipes* Panzer, 1799; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Zonandrena*; specificEpithet: *flavipes*; scientificNameAuthorship: Panzer, 1799; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-07; individualCount: 3; sex: 2 males, 1 female; lifeStage: adult; catalogNumber: A1008, A1033, A1034; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: B8C9237A-42E2-5958-BB0B-6040B435343A
- t. scientificName: *Andrena (Zonandrena) flavipes* Panzer, 1799; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Zonandrena*; specificEpithet: *flavipes*; scientificNameAuthorship: Panzer, 1799; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-18; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1010; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 1FCD45DE-CAC5-52E8-BC3D-AF9910611C0F
- u. scientificName: *Andrena (Zonandrena) flavipes* Panzer, 1799; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Zonandrena*; specificEpithet: *flavipes*; scientificNameAuthorship: Panzer, 1799; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 2; decimalLatitude: 41.8596887; decimalLongitude: 12.4355075; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-10; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1012, A1014; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: B1E6130A-60F4-536B-A0AD-9EF45A19D39D

***Andrena foeniculae* Wood, 2020****Material**

- a. scientificName: *Andrena (Notandrena) foeniculae* Wood, 2020; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Notandrena*; specificEpithet: *foeniculae*; scientificNameAuthorship: Wood, 2020; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-09-28; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0836; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: C58D0DC7-908D-5C72-9F0D-1E9572B42278

***Andrena fulvago* Christ, 1791****Materials**

- a. scientificName: *Andrena (Chrysandrena) fulvago* Christ, 1791; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Chrysandrena*; specificEpithet: *fulvago*; scientificNameAuthorship: Christ, 1791; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-12; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0865; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 029A84B9-6B36-5F03-B4D1-EF6F970722D2
- b. scientificName: *Andrena (Chrysandrena) fulvago* Christ, 1791; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Chrysandrena*; specificEpithet: *fulvago*; scientificNameAuthorship: Christ, 1791; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-01; individualCount: 6; sex: 4 males, 2 females; lifeStage: adult; catalogNumber: A0867, A0868, A0974, A0975, A0976, A0977; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: F20AEDBB-7FC8-5520-B22E-BAC9CB747788
- c. scientificName: *Andrena (Chrysandrena) fulvago* Christ, 1791; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Chrysandrena*; specificEpithet: *fulvago*; scientificNameAuthorship: Christ, 1791; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-12; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0869; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: DA225A19-8EDF-5FFB-9444-E9F1AE62D70A
- d. scientificName: *Andrena (Chrysandrena) fulvago* Christ, 1791; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Chrysandrena*; specificEpithet: *fulvago*; scientificNameAuthorship: Christ, 1791; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-19; individualCount: 2; sex: 1 male, 1 female; lifeStage: adult; catalogNumber: A0872, A0973; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: D94B2F41-BF71-57C7-8700-81FA6C4621EF

- e. scientificName: *Andrena (Chrysandrena) fulvago* Christ, 1791; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Chrysandrena*; specificEpithet: *fulvago*; scientificNameAuthorship: Christ, 1791; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-27; individualCount: 4; sex: females; lifeStage: adult; catalogNumber: A0866, A0873, A0874, A0876; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 4C8D95A6-F089-50CB-A7A9-89E73D726685

## *Andrena fulvitarsis* Brullé, 1832

### Material

- a. scientificName: *Andrena (Ulandrena) fulvitarsis* Brullé, 1832; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Ulandrena*; specificEpithet: *fulvitarsis*; scientificNameAuthorship: Brullé, 1832; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-27; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1072, A1073; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: EA8F5D0C-11E9-5C56-99AD-792004CB2F6D

## *Andrena fuscosa* Erichson, 1835

### Materials

- a. scientificName: *Andrena (Melanapis) fuscosa* Erichson, 1835; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Melanapis*; specificEpithet: *fuscosa*; scientificNameAuthorship: Erichson, 1835; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-15; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1063; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: B8A6C819-4F62-5402-A95A-C3B01224B75A
- b. scientificName: *Andrena (Melanapis) fuscosa* Erichson, 1835; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Melanapis*; specificEpithet: *fuscosa*; scientificNameAuthorship: Erichson, 1835; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-01; individualCount: 4; sex: males; lifeStage: adult; catalogNumber: A1058, A1060, A1061, A1062; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 0B56A617-BB76-5382-BF6F-C2B776EEECF4
- c. scientificName: *Andrena (Melanapis) fuscosa* Erichson, 1835; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Melanapis*; specificEpithet: *fuscosa*; scientificNameAuthorship: Erichson, 1835; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-20; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1059; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 08A1C025-1BF6-5A2C-BD6F-007D50525F97



## *Andrena hattorfiana* Fabricius, 1775

### Material

- a. scientificName: *Andrena* (*Charitandrena*) *hattorfiana* (Fabricius, 1775); order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Charitandrena*; specificEpithet: *hattorfiana*; scientificNameAuthorship: (Fabricius, 1775); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-27; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1085; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: A9FD59D2-EA99-50FE-A83B-7258EA612425

## *Andrena hesperia* Smith, 1853

### Materials

- a. scientificName: *Andrena* (*Chrysandrena*) *esperia* Smith, 1853; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Chrysandrena*; specificEpithet: *hesperia*; scientificNameAuthorship: Smith, 1853; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-20; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0864; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: A5542DC7-C6D0-5A7E-A149-EFA2141383C4
- b. scientificName: *Andrena* (*Chrysandrena*) *esperia* Smith, 1853; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Chrysandrena*; specificEpithet: *hesperia*; scientificNameAuthorship: Smith, 1853; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-23; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0875; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: BE3AFED1-D5FA-589C-ABA4-10F5FF04EF1D
- c. scientificName: *Andrena* (*Chrysandrena*) *esperia* Smith, 1853; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Chrysandrena*; specificEpithet: *hesperia*; scientificNameAuthorship: Smith, 1853; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-25; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A2013, A2022; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: FAC5BA9C-2E0E-5E38-B92D-937E906C150B

## *Andrena humilis* Imhoff, 1832

### Materials

- a. scientificName: *Andrena* (*Chlorandrena*) *humilis* Imhoff, 1832; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Chlorandrena*; specificEpithet: *humilis*; scientificNameAuthorship: Imhoff, 1832; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941;

- decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-10; individualCount: 8; sex: males; lifeStage: adult; catalogNumber: A0984, A0985, A0986, A0987, A0988, A0990, A0991, A0993; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 9510CFEC-728E-5DB1-9CBE-1E831A907A44
- b. scientificName: *Andrena (Chlorandrena) humilis* Imhoff, 1832; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Chlorandrena*; specificEpithet: *humilis*; scientificNameAuthorship: Imhoff, 1832; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-05; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0989; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 9A483303-357F-5555-B07C-919441DE870D
- c. scientificName: *Andrena (Chlorandrena) humilis* Imhoff, 1832; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Chlorandrena*; specificEpithet: *humilis*; scientificNameAuthorship: Imhoff, 1832; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-23; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0992; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 7D071A4D-166D-5716-8BAF-E5C1173B81B3

## *Andrena impunctata* Pérez, 1895

### Materials

- a. scientificName: *Andrena (Graecandrena) impunctata* Pérez, 1895; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Graecandrena*; specificEpithet: *impunctata*; scientificNameAuthorship: Pérez, 1895; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 2; decimalLatitude: 41.8596887; decimalLongitude: 12.4355075; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-10; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1205; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: C402C1CA-C333-5CB7-8413-9DDF27A6EC69
- b. scientificName: *Andrena (Graecandrena) impunctata* Pérez, 1895; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Graecandrena*; specificEpithet: *impunctata*; scientificNameAuthorship: Pérez, 1895; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 2; decimalLatitude: 41.8596887; decimalLongitude: 12.4355075; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-14; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1240; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 928827E9-DDC3-591D-90F9-39D85D8A4AEC

## *Andrena labialis* (Kirby, 1802)

### Materials

- a. scientificName: *Andrena (Holandrena) labialis* (Kirby, 1802); order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Holandrena*; specificEpithet: *labialis*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince:

- Roma; locality: Riserva Naturale Valle dell'Aniene 1; decimalLatitude: 41.9345179; decimalLongitude: 12.5453096; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-05; individualCount: 2; sex: 1 male 1 female; lifeStage: adult; catalogNumber: A1102, A1105; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: B62C7B0B-CF2D-5C4F-B8AB-1BD7BC054DF9
- b. scientificName: *Andrena (Holandrena) labialis* (Kirby, 1802); order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Holandrena*; specificEpithet: *labialis*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-01; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1103; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: BCC92F3B-2B94-5B3A-A461-5524A1E65421
- c. scientificName: *Andrena (Holandrena) labialis* (Kirby, 1802); order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Holandrena*; specificEpithet: *labialis*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-27; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1104; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 2E1D06B4-43AD-5A78-8BAB-C8F4132E7C33

## *Andrena labiata* Fabricius, 1781

### Material

- a. scientificName: *Andrena (Poecilandrena) labiata* Fabricius, 1781; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Poecilandrena*; specificEpithet: *labiata*; scientificNameAuthorship: Fabricius, 1781; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-15; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1084; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 40D713B9-E3A1-5F65-B918-5E912A6C376B

## *Andrena lagopus* Latreille, 1809

### Materials

- a. scientificName: *Andrena (Biareolina) lagopus* Latreille, 1809; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Biareolina*; specificEpithet: *lagopus*; scientificNameAuthorship: Latreille, 1809; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-13; individualCount: 2; sex: 2 males, 2 females; lifeStage: adult; catalogNumber: A1075, A1080, A1095, A1097; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 7DF0CE11-BE37-5874-A18D-7E275D45B3F7
- b. scientificName: *Andrena (Biareolina) lagopus* Latreille, 1809; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Biareolina*; specificEpithet: *lagopus*; scientificNameAuthorship: Latreille, 1809; country: Italy; countryCode: IT; stateProvince:

- Roma; locality: Riserva Naturale dell'Insugherata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-15; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1078; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: F660D9A6-3A60-5445-B605-7361B9FD3C8C
- c. scientificName: *Andrena (Biareolina) lagopus* Latreille, 1809; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Biareolina*; specificEpithet: *lagopus*; scientificNameAuthorship: Latreille, 1809; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-15; individualCount: 6; sex: 5 males, 1 female; lifeStage: adult; catalogNumber: A1079, A1094, A1096, A1099, A1100, A1101; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 787E2002-27E3-517E-B4F7-E43C08C4F51D
- d. scientificName: *Andrena (Biareolina) lagopus* Latreille, 1809; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Biareolina*; specificEpithet: *lagopus*; scientificNameAuthorship: Latreille, 1809; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-20; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1082; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: C0EF084A-5C12-5A10-B0C7-B88EC763B1E9
- e. scientificName: *Andrena (Biareolina) lagopus* Latreille, 1809; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Biareolina*; specificEpithet: *lagopus*; scientificNameAuthorship: Latreille, 1809; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-23; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1074; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: B350D8CC-3DE8-5ECD-AF3C-9C89399D5648
- f. scientificName: *Andrena (Biareolina) lagopus* Latreille, 1809; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Biareolina*; specificEpithet: *lagopus*; scientificNameAuthorship: Latreille, 1809; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-28; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1076, A1077; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 1E3C1FF0-C9BD-55EE-85D3-C60AC59E5908
- g. scientificName: *Andrena (Biareolina) lagopus* Latreille, 1809; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Biareolina*; specificEpithet: *lagopus*; scientificNameAuthorship: Latreille, 1809; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-07; individualCount: 2; sex: 1 male, 1 female; lifeStage: adult; catalogNumber: A1081, A1098; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 0C5985F3-EB60-5686-BC5C-61CB186AE523
- h. scientificName: *Andrena (Biareolina) lagopus* Latreille, 1809; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Biareolina*; specificEpithet: *lagopus*; scientificNameAuthorship: Latreille, 1809; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 2; decimalLatitude: 41.8596887;

decimalLongitude: 12.4355075; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-10; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1083; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 968E8676-9D5D-541D-BE21-ABB9F12FBAFE

## ***Andrena limata* Smith, 1853**

### **Materials**

- a. scientificName: *Andrena (Melandrena) limata* Smith, 1853; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Melandrena*; specificEpithet: *limata*; scientificNameAuthorship: Smith, 1853; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-04; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0815; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 9A8F0963-8003-56F1-9766-A05015129DBA
- b. scientificName: *Andrena (Melandrena) limata* Smith, 1853; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Melandrena*; specificEpithet: *limata*; scientificNameAuthorship: Smith, 1853; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-12; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0816; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: F96E62DF-F265-5E0B-A07B-89401B4A6433
- c. scientificName: *Andrena (Melandrena) limata* Smith, 1853; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Melandrena*; specificEpithet: *limata*; scientificNameAuthorship: Smith, 1853; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-23; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0817; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 9F8CA8D5-25A7-5F54-BFA0-A2C18CD49937
- d. scientificName: *Andrena (Melandrena) limata* Smith, 1853; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Melandrena*; specificEpithet: *limata*; scientificNameAuthorship: Smith, 1853; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 2; decimalLatitude: 41.8596887; decimalLongitude: 12.4355075; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-10; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0818; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 75126322-67E3-544A-A748-8DED48C1F998

## ***Andrena livens* Pérez, 1895**

### **Material**

- a. scientificName: *Andrena (Chlorandrena) livens* Pérez, 1895; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Chlorandrena*; specificEpithet: *livens*; scientificNameAuthorship: Pérez, 1895; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516;

decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-04; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0966; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 8E6C4A1F-378B-5F8C-A5CB-BBEB6E552B19

## ***Andrena minutula* (Kirby, 1802)**

### **Materials**

- a. scientificName: *Andrena (Micrandrena) minutula* (Kirby, 1802); order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Micrandrena*; specificEpithet: *minutula*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-05; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0895; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 15B05173-EAF6-5306-B221-8038E6656ADC
- b. scientificName: *Andrena (Micrandrena) minutula* (Kirby, 1802); order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Micrandrena*; specificEpithet: *minutula*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-20; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0963; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: DF1DB1D9-0F5C-5ABC-9B86-FC9386332E01
- c. scientificName: *Andrena (Micrandrena) minutula* (Kirby, 1802); order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Micrandrena*; specificEpithet: *minutula*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-15; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1219; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: E3F8E256-E753-56E7-9499-4C4C5B355C18
- d. scientificName: *Andrena (Micrandrena) minutula* (Kirby, 1802); order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Micrandrena*; specificEpithet: *minutula*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-14; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1231; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 993B6BB5-3420-52A2-AA3E-992D9B93FC57

## ***Andrena morio* Brullé, 1832**

### **Material**

- a. scientificName: *Andrena (Melandrena) morio* Brullé, 1832; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Melandrena*; specificEpithet: *morio*; scientificNameAuthorship: Brullé, 1832; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215;

decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-20; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1066; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 81B7CE2E-A708-5BF8-AC7F-60F6426A3B79

## ***Andrena nana* (Kirby, 1802)**

### **Materials**

- a. scientificName: *Andrena (Micrandrena) nana* (Kirby, 1802); order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Micrandrena*; specificEpithet: *nana*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-16; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A0925, A0926; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 935281FF-8725-5297-A44C-99B051915D6D
- b. scientificName: *Andrena (Micrandrena) nana* (Kirby, 1802); order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Micrandrena*; specificEpithet: *nana*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 1; decimalLatitude: 41.9345179; decimalLongitude: 12.5453096; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-05; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0961; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: B03EBA66-2F4B-50F1-9055-E18940C5FE8D
- c. scientificName: *Andrena (Micrandrena) nana* (Kirby, 1802); order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Micrandrena*; specificEpithet: *nana*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 1; decimalLatitude: 41.9345179; decimalLongitude: 12.5453096; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-28; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0979; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: DBC5F89C-79E5-57D6-9840-904B7D28B7F0
- d. scientificName: *Andrena (Micrandrena) nana* (Kirby, 1802); order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Micrandrena*; specificEpithet: *nana*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 2; decimalLatitude: 41.8596887; decimalLongitude: 12.4355075; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-10; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1227; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: B1EF3131-8804-5612-B284-571B32D10407

## ***Andrena nigroaenea* (Kirby, 1802)**

### **Materials**

- a. scientificName: *Andrena (Melandrena) nigroaenea* (Kirby, 1802); order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Melandrena*; specificEpithet: *nigroaenea*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 2; decimalLatitude: 41.9599247;

- decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-24; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0932; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 177B4F9D-35B2-5EC4-AD3C-B8342A047F7F
- b. scientificName: *Andrena (Melandrena) nigroaenea* (Kirby, 1802); order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Melandrena*; specificEpithet: *nigroaenea*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-05; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0933; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: C7BFEE58-3DA0-530F-B55C-152362E398DB
- c. scientificName: *Andrena (Melandrena) nigroaenea* (Kirby, 1802); order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Melandrena*; specificEpithet: *nigroaenea*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-12; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0934; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: FFF6957C-C72F-5BAF-B34C-A324B5589747
- d. scientificName: *Andrena (Melandrena) nigroaenea* (Kirby, 1802); order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Melandrena*; specificEpithet: *nigroaenea*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-20; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0935; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: B0427C5E-B371-561E-B74C-636B75C27FA4
- e. scientificName: *Andrena (Melandrena) nigroaenea* (Kirby, 1802); order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Melandrena*; specificEpithet: *nigroaenea*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 3; decimalLatitude: 41.8298456; decimalLongitude: 12.5432538; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-24; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0952; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 5FBC25FE-FCBD-5867-BF9D-532BEC078B2E

## ***Andrena nigroolivacea* Dours, 1873**

### **Materials**

- a. scientificName: *Andrena (Chlorandrena) nigroolivacea* Dours, 1873; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Chlorandrena*; specificEpithet: *nigroolivacea*; scientificNameAuthorship: Dours, 1873; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-07; individualCount: 5; sex: 3 males, 2 females; lifeStage: adult; catalogNumber: A0832, A0835, A0897, A0998, A0999; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 498BF3CB-C007-5980-8069-78E38A6533D5



- b. scientificName: *Andrena (Chlorandrena) nigroolivacea* Dours, 1873; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Chlorandrena*; specificEpithet: *nigroolivacea*; scientificNameAuthorship: Dours, 1873; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-12; individualCount: 4; sex: 3 males, 1 female; lifeStage: adult; catalogNumber: A0904, A0953, A0954, A0997; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 92FAECD9-BEF6-53D7-B97E-15746E9992F3
- c. scientificName: *Andrena (Chlorandrena) nigroolivacea* Dours, 1873; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Chlorandrena*; specificEpithet: *nigroolivacea*; scientificNameAuthorship: Dours, 1873; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-20; individualCount: 5; sex: females; lifeStage: adult; catalogNumber: A0861, A0862, A0863, A0917, A0924; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 8C1403ED-83E3-5E5E-B3F4-342D00E1AF45
- d. scientificName: *Andrena (Chlorandrena) nigroolivacea* Dours, 1873; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Chlorandrena*; specificEpithet: *nigroolivacea*; scientificNameAuthorship: Dours, 1873; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-23; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A0903, A0910; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 6026CFED-9E2F-54B1-B66C-7055DF2471CF
- e. scientificName: *Andrena (Chlorandrena) nigroolivacea* Dours, 1873; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Chlorandrena*; specificEpithet: *nigroolivacea*; scientificNameAuthorship: Dours, 1873; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-25; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A2016, A2019; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: FDE0A39C-F09C-5FF5-B4EB-17A1F5F87225
- f. scientificName: *Andrena (Chlorandrena) nigroolivacea* Dours, 1873; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Chlorandrena*; specificEpithet: *nigroolivacea*; scientificNameAuthorship: Dours, 1873; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-04; individualCount: 10; sex: 1 male, 9 females; lifeStage: adult; catalogNumber: A0833, A0834, A0898, A0899, A0901, A0902, A0908, A0913, A0922, A0955; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: B6B3E44E-B016-536C-BE6A-729BD3AD4778
- g. scientificName: *Andrena (Chlorandrena) nigroolivacea* Dours, 1873; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Chlorandrena*; specificEpithet: *nigroolivacea*; scientificNameAuthorship: Dours, 1873; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-20; individualCount: 2; sex: females;

lifeStage: adult; catalogNumber: A0915, A0916; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: F79B8F76-9F75-5819-821E-27AEB2C03EB7

## ***Andrena ovata* Schenck, 1853**

### **Materials**

- a. scientificName: *Andrena (Taeniandrena) ovata* Schenck, 1853; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Taeniandrena*; specificEpithet: *ovata*; scientificNameAuthorship: Schenck, 1853; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 1; decimalLatitude: 41.9345179; decimalLongitude: 12.5453096; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-05; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0850; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: E028B8CB-B5AE-56C9-9B02-14AAB4694F66
- b. scientificName: *Andrena (Taeniandrena) ovata* Schenck, 1853; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Taeniandrena*; specificEpithet: *ovata*; scientificNameAuthorship: Schenck, 1853; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-27; individualCount: 9; sex: females; lifeStage: adult; catalogNumber: A0851, A0852, A0853, A0854, A0855, A0856, A0857, A0858, A0859; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 1EF4B012-4A61-5E86-A30A-144983A63424

## ***Andrena pandellei* Pérez, 1895**

### **Material**

- a. scientificName: *Andrena (Lepidandrena) pandellei* Pérez, 1895; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Lepidandrena*; specificEpithet: *pandellei*; scientificNameAuthorship: Pérez, 1895; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-24; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0877; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: BEDF02E8-FBB7-5DE0-BA28-3122199EAAE5

## ***Andrena pellucens* Pérez, 1895**

### **Materials**

- a. scientificName: *Andrena (Margandrena) pellucens* Pérez, 1895; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Margandrena*; specificEpithet: *pellucens*; scientificNameAuthorship: Pérez, 1895; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-10-01; individualCount: 6; sex: females; lifeStage: adult; catalogNumber: A1086, A1087, A1088, A1089, A1090, A1092; recordedBy: L. Fortini;

- identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: B3DC8BE5-62EE-5395-B4BD-2022D3C16474
- b. scientificName: *Andrena (Margandrena) pellucens* Pérez, 1895; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Margandrena*; specificEpithet: *pellucens*; scientificNameAuthorship: Pérez, 1895; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-10-01; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1091; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 15D2D054-45A7-5EB2-A2E9-7DDD439C2382
- c. scientificName: *Andrena (Margandrena) pellucens* Pérez, 1895; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Margandrena*; specificEpithet: *pellucens*; scientificNameAuthorship: Pérez, 1895; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-10-04; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1093; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 643877CA-22AF-5386-A77F-C58C09521C46

## *Andrena pilipes* Fabricius, 1781

### Materials

- a. scientificName: *Andrena (Plastandrena) pilipes* Fabricius, 1781; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Plastandrena*; specificEpithet: *pilipes*; scientificNameAuthorship: Fabricius, 1781; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-01; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1067; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 3B3DCE23-B47E-5828-935A-6D72A93F5F22
- b. scientificName: *Andrena (Plastandrena) pilipes* Fabricius, 1781; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Plastandrena*; specificEpithet: *pilipes*; scientificNameAuthorship: Fabricius, 1781; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-23; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1068; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 0B6256CF-216F-5422-A533-1225EC0B77AE
- c. scientificName: *Andrena (Plastandrena) pilipes* Fabricius, 1781; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Plastandrena*; specificEpithet: *pilipes*; scientificNameAuthorship: Fabricius, 1781; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-13; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1069; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 6E4C2C63-A74E-5E66-9C51-0927BC3B4D18
- d. scientificName: *Andrena (Plastandrena) pilipes* Fabricius, 1781; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Plastandrena*; specificEpithet: *pilipes*; scientificNameAuthorship: Fabricius, 1781; country: Italy; countryCode: IT; stateProvince:

Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-19; individualCount: 4; sex: female; lifeStage: adult; catalogNumber: A1990, A1992, A1993, A1994; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 9C6D71E4-E35E-5A22-8A0F-8F795400A528

## *Andrena pusilla* Pérez, 1903

### Materials

- a. scientificName: *Andrena (Micrandrena) pusilla* Pérez, 1903; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Micrandrena*; specificEpithet: *pusilla*; scientificNameAuthorship: Pérez, 1903; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-07; individualCount: 7; sex: males; lifeStage: adult; catalogNumber: A1198, A1203, A1204, A1207, A1218, A1229, A1237; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 93367599-B2C4-53F2-8A90-E297895F894B
- b. scientificName: *Andrena (Micrandrena) pusilla* Pérez, 1903; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Micrandrena*; specificEpithet: *pusilla*; scientificNameAuthorship: Pérez, 1903; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 2; decimalLatitude: 41.8596887; decimalLongitude: 12.4355075; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-10; individualCount: 4; sex: 3 males, 1 female; lifeStage: adult; catalogNumber: A1202, A1230, A1241, A1243; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: BBB1001B-1A04-549D-AA79-D841C3FE29B7
- c. scientificName: *Andrena (Micrandrena) pusilla* Pérez, 1903; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Micrandrena*; specificEpithet: *pusilla*; scientificNameAuthorship: Pérez, 1903; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-12; individualCount: 2; sex: 1 male, 1 female; lifeStage: adult; catalogNumber: A1201, A1206; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 62387C69-0099-5465-A286-E355E7198740
- d. scientificName: *Andrena (Micrandrena) pusilla* Pérez, 1903; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Micrandrena*; specificEpithet: *pusilla*; scientificNameAuthorship: Pérez, 1903; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-13; individualCount: 3; sex: females; lifeStage: adult; catalogNumber: A0896, A1209, A1224; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 9756C2D4-1660-5F03-A661-B684CF8C9946
- e. scientificName: *Andrena (Micrandrena) pusilla* Pérez, 1903; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Micrandrena*; specificEpithet: *pusilla*; scientificNameAuthorship: Pérez, 1903; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-15; individualCount: 3; sex: 2 males, 1 female; lifeStage: adult;

- catalogNumber: A1221, A1228, A1233; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: D680E7A5-E79D-5D66-829C-2280E0795CFF
- f. scientificName: *Andrena (Micrandrena) pusilla* Pérez, 1903; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Micrandrena*; specificEpithet: *pusilla*; scientificNameAuthorship: Pérez, 1903; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-15; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1235, A1242; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: DE70BD79-C0F1-57DD-AE60-342BA76E171A
- g. scientificName: *Andrena (Micrandrena) pusilla* Pérez, 1903; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Micrandrena*; specificEpithet: *pusilla*; scientificNameAuthorship: Pérez, 1903; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-23; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1234; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 08768F27-C0F5-506B-8E70-356E8B14D59E
- h. scientificName: *Andrena (Micrandrena) pusilla* Pérez, 1903; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Micrandrena*; specificEpithet: *pusilla*; scientificNameAuthorship: Pérez, 1903; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-12; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0964; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 13425868-33CF-5E7F-88D2-6730CF3B8DBE
- i. scientificName: *Andrena (Micrandrena) pusilla* Pérez, 1903; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Micrandrena*; specificEpithet: *pusilla*; scientificNameAuthorship: Pérez, 1903; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-14; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0962; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 1E9442B1-DF3A-5E0C-B079-758CBE20C5BB
- j. scientificName: *Andrena (Micrandrena) pusilla* Pérez, 1903; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Micrandrena*; specificEpithet: *pusilla*; scientificNameAuthorship: Pérez, 1903; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 2; decimalLatitude: 41.8596887; decimalLongitude: 12.4355075; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-14; individualCount: 4; sex: females; lifeStage: adult; catalogNumber: A1199, A1220, A1232, A1239; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 9BBE2538-1E03-5B8E-A8E9-415CB1DC7D9E
- k. scientificName: *Andrena (Micrandrena) pusilla* Pérez, 1903; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Micrandrena*; specificEpithet: *pusilla*; scientificNameAuthorship: Pérez, 1903; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-20; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1208; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 0A4FBB52-FEFA-5BA8-986B-E8F0A0B49F0C

- l. scientificName: *Andrena (Micrandrena) pusilla* Pérez, 1903; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Micrandrena*; specificEpithet: *pusilla*; scientificNameAuthorship: Pérez, 1903; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-27; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1216; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: D83920BB-083C-5EAB-A7A6-C1BF43DC7D14
- m. scientificName: *Andrena (Micrandrena) pusilla* Pérez, 1903; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Micrandrena*; specificEpithet: *pusilla*; scientificNameAuthorship: Pérez, 1903; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-24; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1238; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 9C9CB5A8-4A5E-5123-8FB6-DEA04924CC7E
- n. scientificName: *Andrena (Micrandrena) pusilla* Pérez, 1903; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Micrandrena*; specificEpithet: *pusilla*; scientificNameAuthorship: Pérez, 1903; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-01; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0982; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: D731BE4C-7F05-5B83-A1D6-2B991BDC57F8
- o. scientificName: *Andrena (Micrandrena) pusilla* Pérez, 1903; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Micrandrena*; specificEpithet: *pusilla*; scientificNameAuthorship: Pérez, 1903; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-05; individualCount: 5; sex: females; lifeStage: adult; catalogNumber: A0927, A0928, A0929, A0930, A0981; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 722F4F84-B087-5944-8105-259F14181B80

## ***Andrena ranunculi* Schmiedeknecht, 1883**

### **Materials**

- a. scientificName: *Andrena (Carandrena) ranunculi* Schmiedeknecht, 1883; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Carandrena*; specificEpithet: *ranunculi*; scientificNameAuthorship: Schmiedeknecht, 1883; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 1; decimalLatitude: 41.9345179; decimalLongitude: 12.5453096; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-28; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A0837, A0870; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: F758D7B3-24D1-5D70-A331-371166D1C98C
- b. scientificName: *Andrena (Carandrena) ranunculi* Schmiedeknecht, 1883; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Carandrena*; specificEpithet: *ranunculi*; scientificNameAuthorship: Schmiedeknecht, 1883; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1;

- decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-07; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0838; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: EA035EC5-42A3-5F02-A9FA-C686E8449F4B
- c. scientificName: *Andrena (Carandrena) ranunculi* Schmiedeknecht, 1883; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Carandrena*; specificEpithet: *ranunculi*; scientificNameAuthorship: Schmiedeknecht, 1883; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-15; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0839; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: FE466561-955F-5B7C-B2E6-D4DB3569789C

### *Andrena waschulzi* Strand, 1921

#### Material

- a. scientificName: *Andrena (Ulandrena) waschulzi* Strand, 1921; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Ulandrena*; specificEpithet: *waschulzi*; scientificNameAuthorship: Strand, 1921; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-24; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1200, A1211; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 6573049F-8CF8-519F-9411-6EE5C971F4BE

### *Andrena senecionis* Pérez, 1895

#### Material

- a. scientificName: *Andrena (Chlorandrena) senecionis* Pérez, 1895; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Chlorandrena*; specificEpithet: *senecionis*; scientificNameAuthorship: Pérez, 1895; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-20; individualCount: 4; sex: males; lifeStage: adult; catalogNumber: A0969, A0970, A0971, A0972; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 8799F076-A412-513B-89C2-2894858F144D

### *Andrena schencki* Morawitz, 1866

#### Material

- a. scientificName: *Andrena (Opandrena) schencki* Morawitz, 1866; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Opandrena*; specificEpithet: *schencki*; scientificNameAuthorship: Morawitz, 1866; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-27; individualCount: 1; sex: female; lifeStage: adult; catalogNumber:

A1000; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 37D0929C-C7E7-51B4-BFCA-36F43ABB408B

## ***Andrena schmiedeknechti* Magretti, 1883**

### **Materials**

- a. scientificName: *Andrena (Truncandrena) schmiedeknechti* Magretti, 1883; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Truncandrena*; specificEpithet: *schmiedeknechti*; scientificNameAuthorship: Magretti, 1883; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-15; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0936; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: C253E370-F94F-548F-A6B5-866ED756310E
- b. scientificName: *Andrena (Truncandrena) schmiedeknechti* Magretti, 1883; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Truncandrena*; specificEpithet: *schmiedeknechti*; scientificNameAuthorship: Magretti, 1883; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-19; individualCount: 4; sex: females; lifeStage: adult; catalogNumber: A1978, A1989, A1995, A1996; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 8BF32296-E3F3-5E05-BFB3-513B5669B72F
- c. scientificName: *Andrena (Truncandrena) schmiedeknechti* Magretti, 1883; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Truncandrena*; specificEpithet: *schmiedeknechti*; scientificNameAuthorship: Magretti, 1883; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-25; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A2020; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 48203296-C3CD-5EA5-AB19-372583B76790
- d. scientificName: *Andrena (Truncandrena) schmiedeknechti* Magretti, 1883; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Truncandrena*; specificEpithet: *schmiedeknechti*; scientificNameAuthorship: Magretti, 1883; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 1; decimalLatitude: 41.9345179; decimalLongitude: 12.5453096; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-28; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0823; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 58301CF7-C784-5C24-AD66-323C34783C6E
- e. scientificName: *Andrena (Truncandrena) schmiedeknechti* Magretti, 1883; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Truncandrena*; specificEpithet: *schmiedeknechti*; scientificNameAuthorship: Magretti, 1883; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 2; decimalLatitude: 41.8596887; decimalLongitude: 12.4355075; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-14; individualCount: 8; sex: females; lifeStage: adult; catalogNumber: A0824, A0825, A0826, A0827, A0828, A0829, A0830, A0831; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 1BDC691C-49BE-5B5D-B3B7-1DEA9F1EB152



***Andrena simontornyella* Noskiewicz, 1939****Material**

- a. scientificName: *Andrena (Micrandrena) simontornyella* Noskiewicz, 1939; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Micrandrena*; specificEpithet: *simontornyella*; scientificNameAuthorship: Noskiewicz, 1939; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-28; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1236, A1244; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: F06470F8-31E1-59C6-9F09-3CE6CB079032

***Andrena stabiana* Morice, 1899****Materials**

- a. scientificName: *Andrena (Chlorandrena) stabiana* Morice, 1899; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Chlorandrena*; specificEpithet: *stabiana*; scientificNameAuthorship: Morice, 1899; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-07; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A0893, A0920; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 8A8437A2-E2F4-5246-8849-02E2A119FB53
- b. scientificName: *Andrena (Chlorandrena) stabiana* Morice, 1899; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Chlorandrena*; specificEpithet: *stabiana*; scientificNameAuthorship: Morice, 1899; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-12; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A0882, A0909; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: E0D5FAE2-12E7-5773-96E9-CA2614E6D843
- c. scientificName: *Andrena (Chlorandrena) stabiana* Morice, 1899; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Chlorandrena*; specificEpithet: *stabiana*; scientificNameAuthorship: Morice, 1899; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-15; individualCount: 4; sex: females; lifeStage: adult; catalogNumber: A0892, A0905, A0918, A0919; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 89F90633-69AC-5C86-BCC9-D87EF04750AB
- d. scientificName: *Andrena (Chlorandrena) stabiana* Morice, 1899; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Chlorandrena*; specificEpithet: *stabiana*; scientificNameAuthorship: Morice, 1899; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-19; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1986; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: F512D890-4B35-5D43-BD24-E618705FC157

- e. scientificName: *Andrena (Chlorandrena) stabiana* Morice, 1899; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Chlorandrena*; specificEpithet: *stabiana*; scientificNameAuthorship: Morice, 1899; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-20; individualCount: 6; sex: females; lifeStage: adult; catalogNumber: A0906, A0907, A0911, A0912, A0914, A0921; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 09E09928-2551-5ECA-9B4A-8F9C3D54F457
- f. scientificName: *Andrena (Chlorandrena) stabiana* Morice, 1899; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Chlorandrena*; specificEpithet: *stabiana*; scientificNameAuthorship: Morice, 1899; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-25; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A2017; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: C03173F8-E656-53D2-B487-2AB731ED6BD0
- g. scientificName: *Andrena (Chlorandrena) stabiana* Morice, 1899; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Chlorandrena*; specificEpithet: *stabiana*; scientificNameAuthorship: Morice, 1899; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-04; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0923; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 96920DFF-9375-51CD-9F0E-8C23A2E7A85C

## *Andrena thoracica* Fabricius, 1775

### Materials

- a. scientificName: *Andrena (Melandrena) thoracica* (Fabricius, 1775); order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Melandrena*; specificEpithet: *thoracica*; scientificNameAuthorship: (Fabricius, 1775); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-27; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1064; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: F3D126CE-C3B3-57B6-ABA2-045594A0D9F0
- b. scientificName: *Andrena (Melandrena) thoracica* (Fabricius, 1775); order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Melandrena*; specificEpithet: *thoracica*; scientificNameAuthorship: (Fabricius, 1775); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-05; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1065; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: F885D684-16EB-579F-BFF0-080BBAB211F5

***Andrena truncatilabris* Morawitz, 1877****Materials**

- a. scientificName: *Andrena (Truncandrena) truncatilabris* Morawitz,1877; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Truncandrena*; specificEpithet: *truncatilabris*; scientificNameAuthorship: Morawitz,1877; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-07; individualCount: 2; sex: males; lifeStage: adult; catalogNumber: A0937, A0948; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 628DDCD6-D9D3-5D58-AECB-8396E8FAB491
- b. scientificName: *Andrena (Truncandrena) truncatilabris* Morawitz,1877; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Truncandrena*; specificEpithet: *truncatilabris*; scientificNameAuthorship: Morawitz,1877; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-13; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0943; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 6CC48D8B-A2D8-5969-83E3-B49B9F7C5AF1
- c. scientificName: *Andrena (Truncandrena) truncatilabris* Morawitz,1877; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Truncandrena*; specificEpithet: *truncatilabris*; scientificNameAuthorship: Morawitz,1877; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 3; decimalLatitude: 41.8298456; decimalLongitude: 12.5432538; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-15; individualCount: 3; sex: males; lifeStage: adult; catalogNumber: A0941, A0944, A0945; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: C142A9BA-E71D-5A4E-AE5B-A056E44AAE34
- d. scientificName: *Andrena (Truncandrena) truncatilabris* Morawitz,1877; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Truncandrena*; specificEpithet: *truncatilabris*; scientificNameAuthorship: Morawitz,1877; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-23; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0946; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 1B19BCD0-7116-5FED-BE2C-A522EA8AD69C
- e. scientificName: *Andrena (Truncandrena) truncatilabris* Morawitz,1877; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Truncandrena*; specificEpithet: *truncatilabris*; scientificNameAuthorship: Morawitz,1877; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-28; individualCount: 8; sex: 6 males, 2 females; lifeStage: adult; catalogNumber: A0890, A0891, A0938, A0939, A0940, A0942, A0947, A0949; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 56218422-3409-5264-B74C-54E30668BD08
- f. scientificName: *Andrena (Truncandrena) truncatilabris* Morawitz,1877; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Truncandrena*; specificEpithet: *truncatilabris*; scientificNameAuthorship: Morawitz,1877; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1;

- decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-10; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0884; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: BFD1FD60-436B-5AE3-9D18-FA4AC11D4A09
- g. scientificName: *Andrena (Truncandrena) truncatilibris* Morawitz,1877; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Truncandrena*; specificEpithet: *truncatilibris*; scientificNameAuthorship: Morawitz,1877; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-14; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0822; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 2DA1195A-8E73-5B65-9AEA-B5B3BE94A046
- h. scientificName: *Andrena (Truncandrena) truncatilibris* Morawitz,1877; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Truncandrena*; specificEpithet: *truncatilibris*; scientificNameAuthorship: Morawitz,1877; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 2; decimalLatitude: 41.8596887; decimalLongitude: 12.4355075; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-14; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A0821, A0889; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: A38E6842-0535-5403-8A8E-0ADC7CFE475B
- i. scientificName: *Andrena (Truncandrena) truncatilibris* Morawitz,1877; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Truncandrena*; specificEpithet: *truncatilibris*; scientificNameAuthorship: Morawitz,1877; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-15; individualCount: 4; sex: females; lifeStage: adult; catalogNumber: A0819, A0886, A0888, A0931; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: C67DCCE5-7032-5AED-9F75-63D5B7C1502E
- j. scientificName: *Andrena (Truncandrena) truncatilibris* Morawitz,1877; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Truncandrena*; specificEpithet: *truncatilibris*; scientificNameAuthorship: Morawitz,1877; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-24; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A0820, A0887; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 42E3D922-4E20-5257-B45F-D865649EF3F7
- k. scientificName: *Andrena (Truncandrena) truncatilibris* Morawitz,1877; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Truncandrena*; specificEpithet: *truncatilibris*; scientificNameAuthorship: Morawitz,1877; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-27; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0885; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 46C8D424-8D5A-56B7-980B-DA0479A2677F
- l. scientificName: *Andrena (Truncandrena) truncatilibris* Morawitz,1877; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Truncandrena*; specificEpithet: *truncatilibris*; scientificNameAuthorship: Morawitz,1877; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum:

WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-16; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0883; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 32E7E82F-E970-576E-8193-A1BBFC9F3590

## ***Andrena ventricosa* Dours, 1873**

### **Materials**

- a. scientificName: *Andrena (Cryptandrena) ventricosa* Dours, 1873; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Cryptandrena*; specificEpithet: *ventricosa*; scientificNameAuthorship: Dours, 1873; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-13; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0860; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: AFC527DA-ED0F-5025-83CB-13EF05B6B100
- b. scientificName: *Andrena (Cryptandrena) ventricosa* Dours, 1873; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Cryptandrena*; specificEpithet: *ventricosa*; scientificNameAuthorship: Dours, 1873; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-23; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0842; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: DA3C8995-2EC0-527C-AA78-D5E5C8951C89
- c. scientificName: *Andrena (Cryptandrena) ventricosa* Dours, 1873; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Cryptandrena*; specificEpithet: *ventricosa*; scientificNameAuthorship: Dours, 1873; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 1; decimalLatitude: 41.9345179; decimalLongitude: 12.5453096; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-28; individualCount: 5; sex: females; lifeStage: adult; catalogNumber: A0840, A0841, A0843, A0844, A0845; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 0F84F908-3580-5098-B506-3A44929FB906

## ***Andrena vetula* Lepeletier, 1841**

### **Materials**

- a. scientificName: *Andrena (Ptilandrena) vetula* Lepeletier, 1841; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Ptilandrena*; specificEpithet: *vetula*; scientificNameAuthorship: Lepeletier, 1841; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-07; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1055; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: BB7FF6B5-9DCF-533C-B4A2-C871429D41D4
- b. scientificName: *Andrena (Ptilandrena) vetula* Lepeletier, 1841; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Ptilandrena*; specificEpithet: *vetula*; scientificNameAuthorship: Lepeletier, 1841; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752;

- decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-05; individualCount: 2; sex: 1 male, 1 female; lifeStage: adult; catalogNumber: A1046, A1047; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 41C973B2-5835-56AA-8A00-5EC9FCC415A9
- c. scientificName: *Andrena (Ptilandrena) vetula* Lepeletier, 1841; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Ptilandrena*; specificEpithet: *vetula*; scientificNameAuthorship: Lepeletier, 1841; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-28; individualCount: 2; sex: males; lifeStage: adult; catalogNumber: A1056, A1057; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 3F626FD5-AA2B-55BC-9C01-9F4071376FF0
- d. scientificName: *Andrena (Ptilandrena) vetula* Lepeletier, 1841; order: Hymenoptera; family: Andrenidae; genus: *Andrena*; subgenus: *Ptilandrena*; specificEpithet: *vetula*; scientificNameAuthorship: Lepeletier, 1841; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-07; individualCount: 7; sex: males; lifeStage: adult; catalogNumber: A1048, A1049, A1050, A1051, A1052, A1053, A1054; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: CCB4875C-0E39-5B52-8425-E406A4B779D7

## ***Panurgus canescens* Latreille, 1811**

### **Materials**

- a. scientificName: *Panurgus (Pachycephalopanurgus) canescens* Latreille, 1811; order: Hymenoptera; family: Andrenidae; genus: *Panurgus*; subgenus: *Pachycephalopanurgus*; specificEpithet: *canescens*; scientificNameAuthorship: Latreille, 1811; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-12; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0463; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: D2E76CCB-DB9B-5725-A94F-AF345355E35D
- b. scientificName: *Panurgus (Pachycephalopanurgus) canescens* Latreille, 1811; order: Hymenoptera; family: Andrenidae; genus: *Panurgus*; subgenus: *Pachycephalopanurgus*; specificEpithet: *canescens*; scientificNameAuthorship: Latreille, 1811; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-24; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0464; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 97D6B861-C0A9-5A9C-AB65-60A1F67BAC7B

## Apidae Latreille, 1802

### *Amegilla albigena* (Lepeletier, 1841)

#### Materials

- a. scientificName: *Amegilla (Zebramegilla) albigena* (Lepeletier, 1841); order: Hymenoptera; family: Apidae; genus: *Amegilla*; subgenus: *Zebramegilla*; specificEpithet: *albigena*; scientificNameAuthorship: (Lepeletier, 1841); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-01; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0341; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 58565C65-27E9-5086-942E-9DC04ED461AD
- b. scientificName: *Amegilla (Zebramegilla) albigena* (Lepeletier, 1841); order: Hymenoptera; family: Apidae; genus: *Amegilla*; subgenus: *Zebramegilla*; specificEpithet: *albigena*; scientificNameAuthorship: (Lepeletier, 1841); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-28; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0342; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 7688A794-5F48-5968-8B40-C55E2AAC776B
- c. scientificName: *Amegilla (Zebramegilla) albigena* (Lepeletier, 1841); order: Hymenoptera; family: Apidae; genus: *Amegilla*; subgenus: *Zebramegilla*; specificEpithet: *albigena*; scientificNameAuthorship: (Lepeletier, 1841); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-12; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0343; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 7AB2A445-E140-5752-8C7E-CCB1CC164F5B

### *Amegilla garrula* (Rossi, 1790)

#### Materials

- a. scientificName: *Amegilla (Amegilla) garrula* (Rossi, 1790); order: Hymenoptera; family: Apidae; genus: *Amegilla*; subgenus: *Amegilla*; specificEpithet: *garrula*; scientificNameAuthorship: (Rossi, 1790); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-24; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0344; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 76A4E4B7-249C-5B9D-9540-A2A3173941D1
- b. scientificName: *Amegilla (Amegilla) garrula* (Rossi, 1790); order: Hymenoptera; family: Apidae; genus: *Amegilla*; subgenus: *Amegilla*; specificEpithet: *garrula*; scientificNameAuthorship: (Rossi, 1790); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-30; individualCount: 1; sex: male; lifeStage: adult; catalogNumber:

- A0345; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: C6FBA5B9-A415-53D8-98F7-4385A3546510
- c. scientificName: *Amegilla (Amegilla) garrula* (Rossi, 1790); order: Hymenoptera; family: Apidae; genus: *Amegilla*; subgenus: *Amegilla*; specificEpithet: *garrula*; scientificNameAuthorship: (Rossi, 1790); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-19; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0346; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 491F1BDC-8BC3-5AD8-8B5B-047B50556863

## *Amegilla quadrifasciata* (de Villers, 1789)

### Materials

- a. scientificName: *Amegilla (Amegilla) quadrifasciata* (de Villers, 1789); order: Hymenoptera; family: Apidae; genus: *Amegilla*; subgenus: *Amegilla*; specificEpithet: *quadrifasciata*; scientificNameAuthorship: (de Villers, 1789); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-12; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A0337, A0338; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 90EC0F15-F45A-55A5-B9F7-C97AA0785F58
- b. scientificName: *Amegilla (Amegilla) quadrifasciata* (de Villers, 1789); order: Hymenoptera; family: Apidae; genus: *Amegilla*; subgenus: *Amegilla*; specificEpithet: *quadrifasciata*; scientificNameAuthorship: (de Villers, 1789); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-09-25; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0372; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 9D83FF1C-648A-58AF-B26A-60FFD7527AEC
- c. scientificName: *Amegilla (Amegilla) quadrifasciata* (de Villers, 1789); order: Hymenoptera; family: Apidae; genus: *Amegilla*; subgenus: *Amegilla*; specificEpithet: *quadrifasciata*; scientificNameAuthorship: (de Villers, 1789); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-24; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0334; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 778D553E-3029-5D19-A4EA-C594F97F0505
- d. scientificName: *Amegilla (Amegilla) quadrifasciata* (de Villers, 1789); order: Hymenoptera; family: Apidae; genus: *Amegilla*; subgenus: *Amegilla*; specificEpithet: *quadrifasciata*; scientificNameAuthorship: (de Villers, 1789); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-28; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0331; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: FA3C4705-628B-5A89-9C5B-7FF711A9ED00
- e. scientificName: *Amegilla (Amegilla) quadrifasciata* (de Villers, 1789); order: Hymenoptera; family: Apidae; genus: *Amegilla*; subgenus: *Amegilla*; specificEpithet:



- quadrifasciata*; scientificNameAuthorship: (de Villers, 1789); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 1; decimalLatitude: 41.9345179; decimalLongitude: 12.5453096; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-09-04; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0336; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 285AA9A7-74F6-5A75-8AA5-CE98121D31C7
- f. scientificName: *Amegilla (Amegilla) quadrifasciata* (de Villers, 1789); order: Hymenoptera; family: Apidae; genus: *Amegilla*; subgenus: *Amegilla*; specificEpithet: *quadrifasciata*; scientificNameAuthorship: (de Villers, 1789); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-01; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A0339, A0340; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: A929D63A-BF36-56EF-84EF-F00CEAEDFC46
- g. scientificName: *Amegilla (Amegilla) quadrifasciata* (de Villers, 1789); order: Hymenoptera; family: Apidae; genus: *Amegilla*; subgenus: *Amegilla*; specificEpithet: *quadrifasciata*; scientificNameAuthorship: (de Villers, 1789); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-09-18; individualCount: 4; sex: males; lifeStage: adult; catalogNumber: A0332, A0333, A0335, A0371; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: EBC48430-A68A-5C13-87F8-E5C8F4DB1A96

## *Anthophora atroalba* Lepeletier, 1841

### Materials

- a. scientificName: *Anthophora (Pyganthophora) atroalba* Lepeletier, 1841; order: Hymenoptera; family: Apidae; genus: *Anthophora*; subgenus: *Pyganthophora*; specificEpithet: *atroalba*; scientificNameAuthorship: Lepeletier, 1841; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-12; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1917; recordedBy: L. Fortini; identifiedBy: D. Lucente; collectionCode: UR3; occurrenceID: 1C0A49DE-ED44-5AA6-9BEE-67DC2D4A96D8
- b. scientificName: *Anthophora (Pyganthophora) atroalba* Lepeletier, 1841; order: Hymenoptera; family: Apidae; genus: *Anthophora*; subgenus: *Pyganthophora*; specificEpithet: *atroalba*; scientificNameAuthorship: Lepeletier, 1841; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-13; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1918; recordedBy: L. Fortini; identifiedBy: D. Lucente; collectionCode: UR3; occurrenceID: AA2BF25F-FE3B-5FC5-8235-A29C63F1DC2C
- c. scientificName: *Anthophora (Pyganthophora) atroalba* Lepeletier, 1841; order: Hymenoptera; family: Apidae; genus: *Anthophora*; subgenus: *Pyganthophora*; specificEpithet: *atroalba*; scientificNameAuthorship: Lepeletier, 1841; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 2;

- decimalLatitude: 41.8596887; decimalLongitude: 12.4355075; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-10; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1919; recordedBy: L. Fortini; identifiedBy: D. Lucente; collectionCode: UR3; occurrenceID: 70B4EA63-D54C-5599-99CE-C66AD4306840
- d. scientificName: *Anthophora (Pyganthophora) atroalba* Lepeletier, 1841; order: Hymenoptera; family: Apidae; genus: *Anthophora*; subgenus: *Pyganthophora*; specificEpithet: *atroalba*; scientificNameAuthorship: Lepeletier, 1841; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-07; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1920; recordedBy: L. Fortini; identifiedBy: D. Lucente; collectionCode: UR3; occurrenceID: 8C4F796C-F218-5BFA-91E3-216B35D500E1
- e. scientificName: *Anthophora (Pyganthophora) atroalba* Lepeletier, 1841; order: Hymenoptera; family: Apidae; genus: *Anthophora*; subgenus: *Pyganthophora*; specificEpithet: *atroalba*; scientificNameAuthorship: Lepeletier, 1841; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-23; individualCount: 2; sex: 1 male, 1 female; lifeStage: adult; catalogNumber: A1921, A1953; recordedBy: L. Fortini; identifiedBy: D. Lucente; collectionCode: UR3; occurrenceID: DDDD5EF4-57B9-5D3F-83E2-610CE908F288
- f. scientificName: *Anthophora (Pyganthophora) atroalba* Lepeletier, 1841; order: Hymenoptera; family: Apidae; genus: *Anthophora*; subgenus: *Pyganthophora*; specificEpithet: *atroalba*; scientificNameAuthorship: Lepeletier, 1841; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-10; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1934; recordedBy: L. Fortini; identifiedBy: D. Lucente; collectionCode: UR3; occurrenceID: 9902A255-DD94-5678-9B64-73BB78F02D5A
- g. scientificName: *Anthophora (Pyganthophora) atroalba* Lepeletier, 1841; order: Hymenoptera; family: Apidae; genus: *Anthophora*; subgenus: *Pyganthophora*; specificEpithet: *atroalba*; scientificNameAuthorship: Lepeletier, 1841; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-12; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1958; recordedBy: L. Fortini; identifiedBy: D. Lucente; collectionCode: UR3; occurrenceID: D041482F-DE57-57E6-BD9C-71E1A2F5CF7B
- h. scientificName: *Anthophora (Pyganthophora) atroalba* Lepeletier, 1841; order: Hymenoptera; family: Apidae; genus: *Anthophora*; subgenus: *Pyganthophora*; specificEpithet: *atroalba*; scientificNameAuthorship: Lepeletier, 1841; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-27; individualCount: 3; sex: 1 male, 2 females; lifeStage: adult; catalogNumber: A1957, A1961, A1963; recordedBy: L. Fortini; identifiedBy: D. Lucente; collectionCode: UR3; occurrenceID: 08295F37-99CB-58E2-A29F-B518F554A584
- i. scientificName: *Anthophora (Pyganthophora) atroalba* Lepeletier, 1841; order: Hymenoptera; family: Apidae; genus: *Anthophora*; subgenus: *Pyganthophora*; specificEpithet: *atroalba*; scientificNameAuthorship: Lepeletier, 1841; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 2;

decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-27; individualCount: 4; sex: females; lifeStage: adult; catalogNumber: A1956, A1959, A1960, A1962; recordedBy: L. Fortini; identifiedBy: D. Lucente; collectionCode: UR3; occurrenceID: 224FC193-9ABB-5236-8491-FE66D8E50FC3

- j. scientificName: *Anthophora (Pyganthophora) atroalba* Lepeletier, 1841; order: Hymenoptera; family: Apidae; genus: *Anthophora*; subgenus: *Pyganthophora*; specificEpithet: *atroalba*; scientificNameAuthorship: Lepeletier, 1841; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-19; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1991; recordedBy: L. Fortini; identifiedBy: D. Lucente; collectionCode: UR3; occurrenceID: 19333162-85F2-514C-8B32-EF572C475454

## *Anthophora crinipes* Smith, 1854

### Materials

- a. scientificName: *Anthophora (Anthophora) crinipes* Smith, 1854; order: Hymenoptera; family: Apidae; genus: *Anthophora*; subgenus: *Anthophora*; specificEpithet: *crinipes*; scientificNameAuthorship: Smith, 1854; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-20; individualCount: 2; sex: 1 male, 1 female; lifeStage: adult; catalogNumber: A1932, A1952; recordedBy: L. Fortini; identifiedBy: D. Lucente; collectionCode: UR3; occurrenceID: 8745A82A-F9F9-5EDE-A2FA-42E0DBE1FFE9
- b. scientificName: *Anthophora (Anthophora) crinipes* Smith, 1854; order: Hymenoptera; family: Apidae; genus: *Anthophora*; subgenus: *Anthophora*; specificEpithet: *crinipes*; scientificNameAuthorship: Smith, 1854; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-23; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1933; recordedBy: L. Fortini; identifiedBy: D. Lucente; collectionCode: UR3; occurrenceID: 5E379F0D-2690-5F45-BEAC-D4CD94F9DAD7
- c. scientificName: *Anthophora (Anthophora) crinipes* Smith, 1854; order: Hymenoptera; family: Apidae; genus: *Anthophora*; subgenus: *Anthophora*; specificEpithet: *crinipes*; scientificNameAuthorship: Smith, 1854; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-10; individualCount: 6; sex: males; lifeStage: adult; catalogNumber: A1935, A1936, A1939, A1943, A1944, A1948; recordedBy: L. Fortini; identifiedBy: D. Lucente; collectionCode: UR3; occurrenceID: 274E2D70-E1A7-5704-B05F-8C1831EBD863
- d. scientificName: *Anthophora (Anthophora) crinipes* Smith, 1854; order: Hymenoptera; family: Apidae; genus: *Anthophora*; subgenus: *Anthophora*; specificEpithet: *crinipes*; scientificNameAuthorship: Smith, 1854; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-12; individualCount: 1; sex: female; lifeStage: adult; catalogNumber:

- A1955; recordedBy: L. Fortini; identifiedBy: D. Lucente; collectionCode: UR3; occurrenceID: 59DB206A-391D-5708-9626-EB6F4836300E
- e. scientificName: *Anthophora (Anthophora) crinipes* Smith, 1854; order: Hymenoptera; family: Apidae; genus: *Anthophora*; subgenus: *Anthophora*; specificEpithet: *crinipes*; scientificNameAuthorship: Smith, 1854; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-07; individualCount: 3; sex: males; lifeStage: adult; catalogNumber: A1938, A1941, A1942; recordedBy: L. Fortini; identifiedBy: D. Lucente; collectionCode: UR3; occurrenceID: 57BF9009-BE38-536F-BD50-D6C2C7627A13
- f. scientificName: *Anthophora (Anthophora) crinipes* Smith, 1854; order: Hymenoptera; family: Apidae; genus: *Anthophora*; subgenus: *Anthophora*; specificEpithet: *crinipes*; scientificNameAuthorship: Smith, 1854; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-13; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1954; recordedBy: L. Fortini; identifiedBy: D. Lucente; collectionCode: UR3; occurrenceID: 46163F5E-79A4-5334-B2AB-7D465C999C44

## *Anthophora dispar* Lepeletier, 1841

### Material

- a. scientificName: *Anthophora (Lophanthophora) dispar* Lepeletier, 1841; order: Hymenoptera; family: Apidae; genus: *Anthophora*; subgenus: *Lophanthophora*; specificEpithet: *dispar*; scientificNameAuthorship: Lepeletier, 1841; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-28; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1945; recordedBy: L. Fortini; identifiedBy: D. Lucente; collectionCode: UR3; occurrenceID: 450BD638-22C7-5259-817F-56E515AAED31

## *Anthophora plumipes* (Pallas, 1772)

### Materials

- a. scientificName: *Anthophora (Anthophora) plumipes* (Pallas, 1772); order: Hymenoptera; family: Apidae; genus: *Anthophora*; subgenus: *Anthophora*; specificEpithet: *plumipes*; scientificNameAuthorship: (Pallas, 1772); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-12; individualCount: 2; sex: males; lifeStage: adult; catalogNumber: A1922, A1930; recordedBy: L. Fortini; identifiedBy: D. Lucente; collectionCode: UR3; occurrenceID: D66F4887-528F-5159-AC6B-658482A8C4C4
- b. scientificName: *Anthophora (Anthophora) plumipes* (Pallas, 1772); order: Hymenoptera; family: Apidae; genus: *Anthophora*; subgenus: *Anthophora*; specificEpithet: *plumipes*; scientificNameAuthorship: (Pallas, 1772); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 2; decimalLatitude: 41.8596887; decimalLongitude: 12.4355075; geodeticDatum: WGS84; coordinatePrecision: 0.0002;

- eventDate: 2022-04-10; individualCount: 3; sex: males; lifeStage: adult; catalogNumber: A1923, A1924, A1928; recordedBy: L. Fortini; identifiedBy: D. Lucente; collectionCode: UR3; occurrenceID: 7C8EE0E5-78D8-5E45-94A5-9ED887E6A240
- c. scientificName: *Anthophora (Anthophora) plumipes* (Pallas, 1772); order: Hymenoptera; family: Apidae; genus: *Anthophora*; subgenus: *Anthophora*; specificEpithet: *plumipes*; scientificNameAuthorship: (Pallas, 1772); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-07; individualCount: 2; sex: males; lifeStage: adult; catalogNumber: A1925, A1927; recordedBy: L. Fortini; identifiedBy: D. Lucente; collectionCode: UR3; occurrenceID: 1705E960-0935-5B52-85ED-D1F3D4BCF8B4
- d. scientificName: *Anthophora (Anthophora) plumipes* (Pallas, 1772); order: Hymenoptera; family: Apidae; genus: *Anthophora*; subgenus: *Anthophora*; specificEpithet: *plumipes*; scientificNameAuthorship: (Pallas, 1772); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-15; individualCount: 4; sex: 3 males, 1 female; lifeStage: adult; catalogNumber: A1926, A1929, A1931, A1937; recordedBy: L. Fortini; identifiedBy: D. Lucente; collectionCode: UR3; occurrenceID: 6A68331A-B47C-596C-8477-257751002BD3
- e. scientificName: *Anthophora (Anthophora) plumipes* (Pallas, 1772); order: Hymenoptera; family: Apidae; genus: *Anthophora*; subgenus: *Anthophora*; specificEpithet: *plumipes*; scientificNameAuthorship: (Pallas, 1772); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-10; individualCount: 2; sex: males; lifeStage: adult; catalogNumber: A1940, A1951; recordedBy: L. Fortini; identifiedBy: D. Lucente; collectionCode: UR3; occurrenceID: E0904F02-CA40-5165-A745-B6034300EDF3
- f. scientificName: *Anthophora (Anthophora) plumipes* (Pallas, 1772); order: Hymenoptera; family: Apidae; genus: *Anthophora*; subgenus: *Anthophora*; specificEpithet: *plumipes*; scientificNameAuthorship: (Pallas, 1772); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-04; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1946; recordedBy: L. Fortini; identifiedBy: D. Lucente; collectionCode: UR3; occurrenceID: C09966AF-822A-53A6-BED7-B03438F6978A
- g. scientificName: *Anthophora (Anthophora) plumipes* (Pallas, 1772); order: Hymenoptera; family: Apidae; genus: *Anthophora*; subgenus: *Anthophora*; specificEpithet: *plumipes*; scientificNameAuthorship: (Pallas, 1772); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-28; individualCount: 3; sex: males; lifeStage: adult; catalogNumber: A1947, A1949, A1950; recordedBy: L. Fortini; identifiedBy: D. Lucente; collectionCode: UR3; occurrenceID: 91E071AE-871A-5C32-AA44-5D3688488039
- h. scientificName: *Anthophora (Anthophora) plumipes* (Pallas, 1772); order: Hymenoptera; family: Apidae; genus: *Anthophora*; subgenus: *Anthophora*; specificEpithet: *plumipes*; scientificNameAuthorship: (Pallas, 1772); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-19; individualCount: 4; sex: 2 males, 2 females; lifeStage: adult;

catalogNumber: A1968, A1972, A1973, A1982; recordedBy: L. Fortini; identifiedBy: D. Lucente; collectionCode: UR3; occurrenceID: F61376FE-2AD9-56B0-99A6-E3082C62CB79

- i. scientificName: *Anthophora (Anthophora) plumipes* (Pallas, 1772); order: Hymenoptera; family: Apidae; genus: *Anthophora*; subgenus: *Anthophora*; specificEpithet: *plumipes*; scientificNameAuthorship: (Pallas, 1772); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-25; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A2028; recordedBy: L. Fortini; identifiedBy: D. Lucente; collectionCode: UR3; occurrenceID: 2F7B8964-32E7-535D-A9B2-DBE9E9CC4145

## ***Bombus pascuorum* (Scopoli, 1763)**

### **Materials**

- a. scientificName: *Bombus (Thoracobombus) pascuorum* (Scopoli, 1763); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Thoracobombus*; specificEpithet: *pascuorum*; scientificNameAuthorship: (Scopoli, 1763); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-13; individualCount: 3; sex: females; lifeStage: adult; catalogNumber: A0272, A0274, A0276; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 3D7A9EC8-C28F-5B11-B9BA-664B1D5A5DDB
- b. scientificName: *Bombus (Thoracobombus) pascuorum* (Scopoli, 1763); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Thoracobombus*; specificEpithet: *pascuorum*; scientificNameAuthorship: (Scopoli, 1763); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-10; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0302; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 5AF8C68C-82C0-555C-9F09-7B072ADB782
- c. scientificName: *Bombus (Thoracobombus) pascuorum* (Scopoli, 1763); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Thoracobombus*; specificEpithet: *pascuorum*; scientificNameAuthorship: (Scopoli, 1763); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-09-25; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0266; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 073CAFB2-BF3C-5A6F-9B77-05AD0CE9A4CC
- d. scientificName: *Bombus (Thoracobombus) pascuorum* (Scopoli, 1763); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Thoracobombus*; specificEpithet: *pascuorum*; scientificNameAuthorship: (Scopoli, 1763); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-12; individualCount: 3; sex: females; lifeStage: adult; catalogNumber: A0291, A0296, A0317; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: C5DBF12E-8C4E-5013-9092-CA9E4E4D9978

- e. scientificName: *Bombus* (Thoracobombus) *pascuorum* (Scopoli,1763); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Thoracobombus*; specificEpithet: *pascuorum*; scientificNameAuthorship: (Scopoli,1763); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-10-04; individualCount: 7; sex: 6 males, 1 female; lifeStage: adult; catalogNumber: A0263, A0264, A0265, A0267, A0268, A0269, A079; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 8DC80C77-01C7-50D5-841F-E1F2980BD5E5
- f. scientificName: *Bombus* (Thoracobombus) *pascuorum* (Scopoli,1763); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Thoracobombus*; specificEpithet: *pascuorum*; scientificNameAuthorship: (Scopoli,1763); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-15; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0284; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 52E4A691-8A6E-52F3-8F0C-471FBE8D75DF
- g. scientificName: *Bombus* (Thoracobombus) *pascuorum* (Scopoli,1763); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Thoracobombus*; specificEpithet: *pascuorum*; scientificNameAuthorship: (Scopoli,1763); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-27; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0288; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 0522BB3B-07EB-54C7-9166-7169749AAE1E
- h. scientificName: *Bombus* (Thoracobombus) *pascuorum* (Scopoli,1763); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Thoracobombus*; specificEpithet: *pascuorum*; scientificNameAuthorship: (Scopoli,1763); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-24; individualCount: 3; sex: females; lifeStage: adult; catalogNumber: A0293, A0305, A0318; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 4A598629-8B55-5A3B-95CD-F94215EF8973
- i. scientificName: *Bombus* (Thoracobombus) *pascuorum* (Scopoli,1763); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Thoracobombus*; specificEpithet: *pascuorum*; scientificNameAuthorship: (Scopoli,1763); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-15; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0275; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 970119E1-D9DB-59F8-9559-51211039E797
- j. scientificName: *Bombus* (Thoracobombus) *pascuorum* (Scopoli,1763); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Thoracobombus*; specificEpithet: *pascuorum*; scientificNameAuthorship: (Scopoli,1763); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-27; individualCount: 4; sex: females; lifeStage: adult; catalogNumber: A0287, A0289, A0298, A0310; recordedBy: L. Fortini;

- identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 993524D7-6B3B-5AEF-8395-B5BC5A9309B8
- k. scientificName: *Bombus* (Thoracobombus) *pascurorum* (Scopoli,1763); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Thoracobombus*; specificEpithet: *pascurorum*; scientificNameAuthorship: (Scopoli,1763); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-24; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A0294, A0295; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: E8A21144-76DB-5918-9E18-02CADBADA652
- l. scientificName: *Bombus* (Thoracobombus) *pascurorum* (Scopoli,1763); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Thoracobombus*; specificEpithet: *pascurorum*; scientificNameAuthorship: (Scopoli,1763); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-30; individualCount: 4; sex: females; lifeStage: adult; catalogNumber: A0283, A0292, A0312, A0322; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: B7056FD3-99D6-5F99-8A35-10E260F109A4
- m. scientificName: *Bombus* (Thoracobombus) *pascurorum* (Scopoli,1763); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Thoracobombus*; specificEpithet: *pascurorum*; scientificNameAuthorship: (Scopoli,1763); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-24; individualCount: 4; sex: females; lifeStage: adult; catalogNumber: A0301, A0303, A0304, A0306; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 1E52830A-05F0-5896-B862-A30CCE6F7B22
- n. scientificName: *Bombus* (Thoracobombus) *pascurorum* (Scopoli,1763); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Thoracobombus*; specificEpithet: *pascurorum*; scientificNameAuthorship: (Scopoli,1763); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-30; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0308; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 16E9EA99-A3A1-5BC8-8E9B-8AA0AB0AD118
- o. scientificName: *Bombus* (Thoracobombus) *pascurorum* (Scopoli,1763); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Thoracobombus*; specificEpithet: *pascurorum*; scientificNameAuthorship: (Scopoli,1763); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-09-01; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0290; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 874B9F7A-4F57-59B3-A651-554A98E5BB6B
- p. scientificName: *Bombus* (Thoracobombus) *pascurorum* (Scopoli,1763); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Thoracobombus*; specificEpithet: *pascurorum*; scientificNameAuthorship: (Scopoli,1763); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum:



- WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-12; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0273; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 301913D3-245D-5195-A61D-2D48161A4BA5
- q. scientificName: *Bombus* (Thoracobombus) *pascuorum* (Scopoli, 1763); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Thoracobombus*; specificEpithet: *pascuorum*; scientificNameAuthorship: (Scopoli, 1763); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-21; individualCount: 4; sex: females; lifeStage: adult; catalogNumber: A0278, A0282, A0285, A0311; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 04DAC108-5643-5808-8C02-498F53A94F0A
- r. scientificName: *Bombus* (Thoracobombus) *pascuorum* (Scopoli, 1763); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Thoracobombus*; specificEpithet: *pascuorum*; scientificNameAuthorship: (Scopoli, 1763); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-09-14; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0280; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 788FF58D-8637-54F3-AFDE-31D10B8E823D
- s. scientificName: *Bombus* (Thoracobombus) *pascuorum* (Scopoli, 1763); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Thoracobombus*; specificEpithet: *pascuorum*; scientificNameAuthorship: (Scopoli, 1763); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-16; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0300; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 03EB0190-4D9E-530C-BC0C-AB69D4C2B631
- t. scientificName: *Bombus* (Thoracobombus) *pascuorum* (Scopoli, 1763); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Thoracobombus*; specificEpithet: *pascuorum*; scientificNameAuthorship: (Scopoli, 1763); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-24; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0281; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 5E359953-4E41-5200-B674-7FC0DA126531
- u. scientificName: *Bombus* (Thoracobombus) *pascuorum* (Scopoli, 1763); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Thoracobombus*; specificEpithet: *pascuorum*; scientificNameAuthorship: (Scopoli, 1763); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-28; individualCount: 3; sex: females; lifeStage: adult; catalogNumber: A0270, A0277, A0286; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 1AF6F274-C0FB-5B61-BB5B-3CD0FA922DE1
- v. scientificName: *Bombus* (Thoracobombus) *pascuorum* (Scopoli, 1763); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Thoracobombus*;

- specificEpithet: *pascuorum*; scientificNameAuthorship: (Scopoli,1763); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-05; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A0297, A0319; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 0C388792-8F62-5E95-A734-0D1F7A0A2BAD
- w. scientificName: *Bombus* (Thoracobombus) *pascuorum* (Scopoli,1763); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Thoracobombus*; specificEpithet: *pascuorum*; scientificNameAuthorship: (Scopoli,1763); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-09-04; individualCount: 4; sex: females; lifeStage: adult; catalogNumber: A0307, A0313, A0314, A0323; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 529886E7-4052-5ADB-86C3-4339D46C1D3D
- x. scientificName: *Bombus* (Thoracobombus) *pascuorum* (Scopoli,1763); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Thoracobombus*; specificEpithet: *pascuorum*; scientificNameAuthorship: (Scopoli,1763); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-07; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0271; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 06D69AC8-A16B-5B2C-B4C7-E3D35B9FC66F
- y. scientificName: *Bombus* (Thoracobombus) *pascuorum* (Scopoli,1763); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Thoracobombus*; specificEpithet: *pascuorum*; scientificNameAuthorship: (Scopoli,1763); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-09-18; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0299; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 1CE54BA9-A5EF-58DA-82E0-8150E8DA4D92
- z. scientificName: *Bombus* (Thoracobombus) *pascuorum* (Scopoli,1763); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Thoracobombus*; specificEpithet: *pascuorum*; scientificNameAuthorship: (Scopoli,1763); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-13; individualCount: 4; sex: females; lifeStage: adult; catalogNumber: A0309, A0315, A0316, A0320, A0321; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 0FD0C90B-62B7-58DE-9DFD-D4DAB4DC99F2
- aa. scientificName: *Bombus* (Thoracobombus) *pascuorum* (Scopoli,1763); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Thoracobombus*; specificEpithet: *pascuorum*; scientificNameAuthorship: (Scopoli,1763); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-19; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1967; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 8E8DBBC7-9E34-5802-8A46-8CCEC16D18E5

- ab. scientificName: *Bombus* (Thoracobombus) *pascuorum* (Scopoli,1763); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Thoracobombus*; specificEpithet: *pascuorum*; scientificNameAuthorship: (Scopoli,1763); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-25; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A2026; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: D79524C3-3B78-5623-A336-C721C7F3D411

## ***Bombus ruderatus* (Fabricius, 1775)**

### **Materials**

- a. scientificName: *Bombus* (*Megabombus*) *ruderatus* (Fabricius, 1775); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Megabombus*; specificEpithet: *ruderatus*; scientificNameAuthorship: (Fabricius, 1775); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-10; individualCount: 3; sex: 1 male, 2 females; lifeStage: adult; catalogNumber: A0246, A0260, A0262; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 66EBAE1D-6FED-5C43-B494-BC5E28094488
- b. scientificName: *Bombus* (*Megabombus*) *ruderatus* (Fabricius, 1775); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Megabombus*; specificEpithet: *ruderatus*; scientificNameAuthorship: (Fabricius, 1775); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-13; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A0250, A0256; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: C82EBAB9-3BD6-56D7-8502-E5DA77AAA09B
- c. scientificName: *Bombus* (*Megabombus*) *ruderatus* (Fabricius, 1775); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Megabombus*; specificEpithet: *ruderatus*; scientificNameAuthorship: (Fabricius, 1775); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 3; decimalLatitude: 41.8298456; decimalLongitude: 12.5432538; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-24; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0247; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 7F14EB65-729D-5DFD-A891-93596D6BB98E
- d. scientificName: *Bombus* (*Megabombus*) *ruderatus* (Fabricius, 1775); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Megabombus*; specificEpithet: *ruderatus*; scientificNameAuthorship: (Fabricius, 1775); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-12; individualCount: 7; sex: 2 males, 5 females; lifeStage: adult; catalogNumber: A0248, A0249, A0254, A0255, A0258, A0259, A0261; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: A6739628-AEF3-5642-91A7-B7FC39734F60
- e. scientificName: *Bombus* (*Megabombus*) *ruderatus* (Fabricius, 1775); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Megabombus*; specificEpithet: *ruderatus*; scientificNameAuthorship: (Fabricius, 1775); country: Italy; countryCode: IT;

- stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-27; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0257; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 2B875720-E890-5DC0-8126-152F98009D68
- f. scientificName: *Bombus (Megabombus) ruderatus* (Fabricius, 1775); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Megabombus*; specificEpithet: *ruderatus*; scientificNameAuthorship: (Fabricius, 1775); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-12; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0251; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 1AD8185A-6472-5821-A1B0-7B3AC6F248BD
- g. scientificName: *Bombus (Megabombus) ruderatus* (Fabricius, 1775); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Megabombus*; specificEpithet: *ruderatus*; scientificNameAuthorship: (Fabricius, 1775); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-01; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0253; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: F42BC3A9-3386-56B8-BF26-EA967375E7E7
- h. scientificName: *Bombus (Megabombus) ruderatus* (Fabricius, 1775); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Megabombus*; specificEpithet: *ruderatus*; scientificNameAuthorship: (Fabricius, 1775); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-07; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0252; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: EC4E4B31-0756-5F3A-9AC7-8E217AE860A5
- i. scientificName: *Bombus (Megabombus) ruderatus* (Fabricius, 1775); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Megabombus*; specificEpithet: *ruderatus*; scientificNameAuthorship: (Fabricius, 1775); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-19; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A2003; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 6A187B5D-29AD-5F3C-ABE2-A65A15EAE657

## ***Bombus terrestris* (Linnaeus, 1758)**

### **Materials**

- a. scientificName: *Bombus (Bombus) terrestris* (Linnaeus, 1758); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Bombus*; specificEpithet: *terrestris*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-17; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A0206, A0211; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 252FE685-B827-5A95-9600-A99E08E2A42C

- b. scientificName: *Bombus (Bombus) terrestris* (Linnaeus, 1758); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Bombus*; specificEpithet: *terrestris*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-10; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A0215, A0243; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 2CC53709-EFE6-5428-B97F-2D9E52644130
- c. scientificName: *Bombus (Bombus) terrestris* (Linnaeus, 1758); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Bombus*; specificEpithet: *terrestris*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-13; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0244; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 0EE805B5-353E-56F6-B268-4515A11A8A33
- d. scientificName: *Bombus (Bombus) terrestris* (Linnaeus, 1758); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Bombus*; specificEpithet: *terrestris*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-22; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0242; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 494202BF-8B4C-5572-9CC6-AB46E6A30C2E
- e. scientificName: *Bombus (Bombus) terrestris* (Linnaeus, 1758); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Bombus*; specificEpithet: *terrestris*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-30; individualCount: 2; sex: 1 male, 2 females; lifeStage: adult; catalogNumber: A0191, A0205; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: FC57A686-54C5-5F87-A350-1BFE98F732D5
- f. scientificName: *Bombus (Bombus) terrestris* (Linnaeus, 1758); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Bombus*; specificEpithet: *terrestris*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-27; individualCount: 3; sex: males; lifeStage: adult; catalogNumber: A0192, A0193, A0195; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 89D13E96-7DAE-5AD0-984A-BA2A3ED757D9
- g. scientificName: *Bombus (Bombus) terrestris* (Linnaeus, 1758); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Bombus*; specificEpithet: *terrestris*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-24; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A0212, A0214; recordedBy: L. Fortini; identifiedBy: L.

- Fortini; collectionCode: UR3; occurrenceID: 0A2F3F20-914E-50D5-9D4B-835F0D2656BD
- h. scientificName: *Bombus (Bombus) terrestris* (Linnaeus, 1758); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Bombus*; specificEpithet: *terrestris*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-27; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0194; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: D64BBE85-4914-5051-B8CC-43AC6D305955
- i. scientificName: *Bombus (Bombus) terrestris* (Linnaeus, 1758); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Bombus*; specificEpithet: *terrestris*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-30; individualCount: 2; sex: males; lifeStage: adult; catalogNumber: A0199, A0200; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: FF92BC75-CA92-5C6D-9D64-4042B8C62F00
- j. scientificName: *Bombus (Bombus) terrestris* (Linnaeus, 1758); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Bombus*; specificEpithet: *terrestris*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-24; individualCount: 4; sex: females; lifeStage: adult; catalogNumber: A0203, A0207, A0210, A0213; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 56C403AF-900F-55FB-BC7A-7F873E0B1E30
- k. scientificName: *Bombus (Bombus) terrestris* (Linnaeus, 1758); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Bombus*; specificEpithet: *terrestris*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-16; individualCount: 3; sex: 1 male, 2 females; lifeStage: adult; catalogNumber: A0196, A0201, A 0209; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: DB8AC4AB-2208-5010-B2EB-8062D5C133F3
- l. scientificName: *Bombus (Bombus) terrestris* (Linnaeus, 1758); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Bombus*; specificEpithet: *terrestris*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-19; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0198; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 3B697297-AA74-54F3-B63C-53FA55DA6365
- m. scientificName: *Bombus (Bombus) terrestris* (Linnaeus, 1758); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Bombus*; specificEpithet: *terrestris*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84;

- n. coordinatePrecision: 0.0002; eventDate: 2022-04-20; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0216; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: B6715D51-A280-5728-A6EB-B18928DD6A64 scientificName: *Bombus (Bombus) terrestris* (Linnaeus, 1758); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Bombus*; specificEpithet: *terrestris*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84;
- o. coordinatePrecision: 0.0002; eventDate: 2022-06-19; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0241; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 507F7321-73DE-55C7-90DF-E3019471DF71 scientificName: *Bombus (Bombus) terrestris* (Linnaeus, 1758); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Bombus*; specificEpithet: *terrestris*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84;
- p. coordinatePrecision: 0.0002; eventDate: 2022-06-01; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0245; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: B850C62C-D681-53A9-827B-BB3B08FB226D scientificName: *Bombus (Bombus) terrestris* (Linnaeus, 1758); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Bombus*; specificEpithet: *terrestris*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84;
- q. coordinatePrecision: 0.0002; eventDate: 2022-07-05; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0197; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 303C3657-97DC-5D30-9A6D-B4B8820A440E scientificName: *Bombus (Bombus) terrestris* (Linnaeus, 1758); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Bombus*; specificEpithet: *terrestris*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84;
- r. coordinatePrecision: 0.0002; eventDate: 2022-04-28; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A0202, A0204; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 27245525-4F20-5B31-9985-D3971E825F16 scientificName: *Bombus (Bombus) terrestris* (Linnaeus, 1758); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Bombus*; specificEpithet: *terrestris*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84;
- s. coordinatePrecision: 0.0002; eventDate: 2022-06-05; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0208; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: DF983F8D-F51B-5FCD-8B27-99BAFAB7BB81 scientificName: *Bombus (Bombus) terrestris* (Linnaeus, 1758); order: Hymenoptera; family: Apidae; genus: *Bombus*; subgenus: *Bombus*; specificEpithet: *terrestris*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84;
- coordinatePrecision: 0.0002; eventDate: 2022-07-24; individualCount: 1; sex: female;

- lifeStage: **adult**; catalogNumber: **A2063**; recordedBy: **L. Fortini**; identifiedBy: **L. Fortini**; collectionCode: **UR3**; occurrenceID: **F3DE2E43-7EAA-535C-A562-2F8946B3BCE9**
- t. scientificName: *Bombus (Bombus) terrestris* (Linnaeus, 1758); order: Hymenoptera; family: **Apidae**; genus: *Bombus*; subgenus: *Bombus*; specificEpithet: *terrestris*; scientificNameAuthorship: (Linnaeus, 1758); country: **Italy**; countryCode: **IT**; stateProvince: **Roma**; locality: **Riserva Naturale Valle dell'Aniene 1**; decimalLatitude: **41.9345179**; decimalLongitude: **12.5453096**; geodeticDatum: **WGS84**; coordinatePrecision: **0.0002**; eventDate: **2022-08-03**; individualCount: **7**; sex: **females**; lifeStage: **adult**; catalogNumber: **A2097, A2098, A2099, A2105, A2106, A2107, A2110**; recordedBy: **L. Fortini**; identifiedBy: **L. Fortini**; collectionCode: **UR3**; occurrenceID: **F1F37226-43AB-50E3-8DE5-924ECC2BD90D**
- u. scientificName: *Bombus (Bombus) terrestris* (Linnaeus, 1758); order: Hymenoptera; family: **Apidae**; genus: *Bombus*; subgenus: *Bombus*; specificEpithet: *terrestris*; scientificNameAuthorship: (Linnaeus, 1758); country: **Italy**; countryCode: **IT**; stateProvince: **Roma**; locality: **Riserva Naturale Valle dell'Aniene 2**; decimalLatitude: **41.928752**; decimalLongitude: **12.5562962**; geodeticDatum: **WGS84**; coordinatePrecision: **0.0002**; eventDate: **2022-08-03**; individualCount: **1**; sex: **female**; lifeStage: **adult**; catalogNumber: **A2138**; recordedBy: **L. Fortini**; identifiedBy: **L. Fortini**; collectionCode: **UR3**; occurrenceID: **C59EB8C1-612F-5A5F-9005-B3F08CD6643B**

## ***Ceratina chalcites* Germar, 1839**

### **Materials**

- a. scientificName: *Ceratina (Euceratina) chalcites* Germar, 1839; order: Hymenoptera; family: **Apidae**; genus: *Ceratina*; subgenus: *Euceratina*; specificEpithet: *chalcites*; scientificNameAuthorship: **Germar, 1839**; country: **Italy**; countryCode: **IT**; stateProvince: **Roma**; locality: **Riserva Regionale dell'Appia Antica 1**; decimalLatitude: **41.8623941**; decimalLongitude: **12.524863**; geodeticDatum: **WGS84**; coordinatePrecision: **0.0002**; eventDate: **2022-05-10**; individualCount: **1**; sex: **female**; lifeStage: **adult**; catalogNumber: **A0044**; recordedBy: **L. Fortini**; identifiedBy: **L. Fortini**; collectionCode: **UR3**; occurrenceID: **667DE3DC-A81A-535A-B520-3B816A2F71C5**
- b. scientificName: *Ceratina (Euceratina) chalcites* Germar, 1839; order: Hymenoptera; family: **Apidae**; genus: *Ceratina*; subgenus: *Euceratina*; specificEpithet: *chalcites*; scientificNameAuthorship: **Germar, 1839**; country: **Italy**; countryCode: **IT**; stateProvince: **Roma**; locality: **Riserva Naturale dell'Insugherata 3**; decimalLatitude: **41.9644829**; decimalLongitude: **12.436101**; geodeticDatum: **WGS84**; coordinatePrecision: **0.0002**; eventDate: **2022-05-27**; individualCount: **2**; sex: **1 male, 1 female**; lifeStage: **adult**; catalogNumber: **A0041, A0045**; recordedBy: **L. Fortini**; identifiedBy: **L. Fortini**; collectionCode: **UR3**; occurrenceID: **7988AB58-C68D-54FC-9E02-BAE258DD5337**
- c. scientificName: *Ceratina (Euceratina) chalcites* Germar, 1839; order: Hymenoptera; family: **Apidae**; genus: *Ceratina*; subgenus: *Euceratina*; specificEpithet: *chalcites*; scientificNameAuthorship: **Germar, 1839**; country: **Italy**; countryCode: **IT**; stateProvince: **Roma**; locality: **Riserva Naturale Laurentino-Acqua Acetosa**; decimalLatitude: **41.8079275**; decimalLongitude: **12.4685548**; geodeticDatum: **WGS84**; coordinatePrecision: **0.0002**; eventDate: **2022-07-17**; individualCount: **1**; sex: **female**; lifeStage: **adult**; catalogNumber: **A0042**; recordedBy: **L. Fortini**; identifiedBy: **L. Fortini**; collectionCode: **UR3**; occurrenceID: **199D7F28-DB20-5276-B6ED-65C87E70BF03**
- d. scientificName: *Ceratina (Euceratina) chalcites* Germar, 1839; order: Hymenoptera; family: **Apidae**; genus: *Ceratina*; subgenus: *Euceratina*; specificEpithet: *chalcites*;



- scientificNameAuthorship: Germar, 1839; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-20; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0039; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 7BA9CC65-059B-5E05-9DCD-5195F488A692
- e. scientificName: *Ceratina (Euceratina) chalcites* Germar, 1839; order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Euceratina*; specificEpithet: *chalcites*; scientificNameAuthorship: Germar, 1839; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-13; individualCount: 2; sex: 1 male, 1 female; lifeStage: adult; catalogNumber: A0040, A0043; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 201E1140-3B31-58BB-9930-38A4AF9116AE
- f. scientificName: *Ceratina (Euceratina) chalcites* Germar, 1839; order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Euceratina*; specificEpithet: *chalcites*; scientificNameAuthorship: Germar, 1839; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-06; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A2089; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 3211C056-01BC-5EF9-B61E-E7A860234348

## *Ceratina cucurbitina* (Rossi, 1972)

### Materials

- a. scientificName: *Ceratina (Ceratina) cucurbitina* (Rossi, 1972); order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Ceratina*; specificEpithet: *cucurbitina*; scientificNameAuthorship: (Rossi, 1972); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-13; individualCount: 7; sex: 3 males, 4 females; lifeStage: adult; catalogNumber: A0050, A0051, A0058, A0065, A0075, A0079, A0090; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: FA9C88D1-4AA0-5F64-9A5E-B0E134076E20
- b. scientificName: *Ceratina (Ceratina) cucurbitina* (Rossi, 1972); order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Ceratina*; specificEpithet: *cucurbitina*; scientificNameAuthorship: (Rossi, 1972); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-10; individualCount: 4; sex: males; lifeStage: adult; catalogNumber: A0049, A0054, A0059, A0061; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 3D12AFEA-C84C-5792-9252-A13DD659E38C
- c. scientificName: *Ceratina (Ceratina) cucurbitina* (Rossi, 1972); order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Ceratina*; specificEpithet: *cucurbitina*; scientificNameAuthorship: (Rossi, 1972); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-22; individualCount: 2; sex: females; lifeStage: adult;

- catalogNumber: A0074, A0086; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: C6978518-B8D8-5ED2-81F1-B4516875EC17
- d. scientificName: *Ceratina (Ceratina) cucurbitina* (Rossi, 1792); order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Ceratina*; specificEpithet: *cucurbitina*; scientificNameAuthorship: (Rossi, 1792); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-10-01; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0052; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: DEB0BF34-2722-527A-9F01-839200C1B3D2
- e. scientificName: *Ceratina (Ceratina) cucurbitina* (Rossi, 1792); order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Ceratina*; specificEpithet: *cucurbitina*; scientificNameAuthorship: (Rossi, 1792); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-07; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0063; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 2812A8BD-C098-5F8D-8386-F3343F6E4FF1
- f. scientificName: *Ceratina (Ceratina) cucurbitina* (Rossi, 1792); order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Ceratina*; specificEpithet: *cucurbitina*; scientificNameAuthorship: (Rossi, 1792); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-29; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A0069, A0070; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 0FD66ED4-2878-5671-80ED-E90617D0335D
- g. scientificName: *Ceratina (Ceratina) cucurbitina* (Rossi, 1792); order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Ceratina*; specificEpithet: *cucurbitina*; scientificNameAuthorship: (Rossi, 1792); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 3; decimalLatitude: 41.8298456; decimalLongitude: 12.5432538; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-24; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0067; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: BA4DA449-5BEF-5C86-9EB5-1EA3C8947D11
- h. scientificName: *Ceratina (Ceratina) cucurbitina* (Rossi, 1792); order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Ceratina*; specificEpithet: *cucurbitina*; scientificNameAuthorship: (Rossi, 1792); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-15; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0056; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 88DB5910-FDB4-50A0-8D67-76A5D69E3F27
- i. scientificName: *Ceratina (Ceratina) cucurbitina* (Rossi, 1792); order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Ceratina*; specificEpithet: *cucurbitina*; scientificNameAuthorship: (Rossi, 1792); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-09-01; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0088; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 98AC6CF4-04E7-530E-AA45-2A2F5F3D750F

- j. scientificName: *Ceratina (Ceratina) cucurbitina* (Rossi, 1792); order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Ceratina*; specificEpithet: *cucurbitina*; scientificNameAuthorship: (Rossi, 1792); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-15; individualCount: 2; sex: males; lifeStage: adult; catalogNumber: A0055, A0057; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: E09F4F9A-A819-5923-AA38-2526CDC7A327
- k. scientificName: *Ceratina (Ceratina) cucurbitina* (Rossi, 1792); order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Ceratina*; specificEpithet: *cucurbitina*; scientificNameAuthorship: (Rossi, 1792); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-16; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0083; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 9E84CA1B-6C36-5655-BAF0-78BFC6EDC1A4
- l. scientificName: *Ceratina (Ceratina) cucurbitina* (Rossi, 1792); order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Ceratina*; specificEpithet: *cucurbitina*; scientificNameAuthorship: (Rossi, 1792); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-17; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A0087, A0091; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 878873DC-8E30-55CB-957C-F734EB93FDF5
- m. scientificName: *Ceratina (Ceratina) cucurbitina* (Rossi, 1792); order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Ceratina*; specificEpithet: *cucurbitina*; scientificNameAuthorship: (Rossi, 1792); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-21; individualCount: 2; sex: 1 male, 1 female; lifeStage: adult; catalogNumber: A0048, A0072; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: B24F9C49-80A9-5389-92A4-E9D51487CD72
- n. scientificName: *Ceratina (Ceratina) cucurbitina* (Rossi, 1792); order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Ceratina*; specificEpithet: *cucurbitina*; scientificNameAuthorship: (Rossi, 1792); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-09-14; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A0082, A0089; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 3E9F2245-2FD9-5C22-AAA5-35AFF182C7CA
- o. scientificName: *Ceratina (Ceratina) cucurbitina* (Rossi, 1792); order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Ceratina*; specificEpithet: *cucurbitina*; scientificNameAuthorship: (Rossi, 1792); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-20; individualCount: 1; sex: male; lifeStage: adult; catalogNumber:

- A0053; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 190F7DBD-6CFE-5FF6-92A4-3FECB47E4E44
- p. scientificName: *Ceratina (Ceratina) cucurbitina* (Rossi, 1792); order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Ceratina*; specificEpithet: *cucurbitina*; scientificNameAuthorship: (Rossi, 1792); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-20; individualCount: 2; sex: 1 male, 1 female; lifeStage: adult; catalogNumber: A0046, A0068; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 0C4AF20F-8FD4-5AC4-9926-D89C7D8053F3
- q. scientificName: *Ceratina (Ceratina) cucurbitina* (Rossi, 1792); order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Ceratina*; specificEpithet: *cucurbitina*; scientificNameAuthorship: (Rossi, 1792); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-24; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A0064, A0076; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 6BB7AFB9-7EA8-513E-B52C-24AD67B224F6
- r. scientificName: *Ceratina (Ceratina) cucurbitina* (Rossi, 1792); order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Ceratina*; specificEpithet: *cucurbitina*; scientificNameAuthorship: (Rossi, 1792); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-23; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0081; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: EC2DC832-72BF-5423-8C36-1092338C903D
- s. scientificName: *Ceratina (Ceratina) cucurbitina* (Rossi, 1792); order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Ceratina*; specificEpithet: *cucurbitina*; scientificNameAuthorship: (Rossi, 1792); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-09-21; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A0073, A0092; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 28309774-5DE9-50C9-A641-DFE82613CA0A
- t. scientificName: *Ceratina (Ceratina) cucurbitina* (Rossi, 1792); order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Ceratina*; specificEpithet: *cucurbitina*; scientificNameAuthorship: (Rossi, 1792); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-04; individualCount: 3; sex: 1 male, 2 females; lifeStage: adult; catalogNumber: A0060, A0077, A0078; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 7BBA90CF-2116-5DC8-B015-13ED68C822C8
- u. scientificName: *Ceratina (Ceratina) cucurbitina* (Rossi, 1792); order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Ceratina*; specificEpithet: *cucurbitina*; scientificNameAuthorship: (Rossi, 1792); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-01; individualCount: 3; sex: females; lifeStage: adult; catalogNumber: A0062, A0066, A0085; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 10FD FE2A-529C-5BAB-87EE-5BA6A8AA2732

- v. scientificName: *Ceratina (Ceratina) cucurbitina* (Rossi, 1792); order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Ceratina*; specificEpithet: *cucurbitina*; scientificNameAuthorship: (Rossi, 1792); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-05; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A0080, A0084; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 409CACCB-E6A2-5525-ADFA-3D3DD992C44B
- w. scientificName: *Ceratina (Ceratina) cucurbitina* (Rossi, 1792); order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Ceratina*; specificEpithet: *cucurbitina*; scientificNameAuthorship: (Rossi, 1792); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-14; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0047; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: C4842BCA-A1CB-5D49-A335-27474DAFD3D6
- x. scientificName: *Ceratina (Ceratina) cucurbitina* (Rossi, 1792); order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Ceratina*; specificEpithet: *cucurbitina*; scientificNameAuthorship: (Rossi, 1792); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 2; decimalLatitude: 41.8596887; decimalLongitude: 12.4355075; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-13; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0071; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 3119B129-8A30-5DCE-B628-D4A180D4A2E2
- y. scientificName: *Ceratina (Ceratina) cucurbitina* (Rossi, 1792); order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Ceratina*; specificEpithet: *cucurbitina*; scientificNameAuthorship: (Rossi, 1792); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 1; decimalLatitude: 41.9345179; decimalLongitude: 12.5453096; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-03; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A2096; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 4AECBE07-40F2-549F-8CEA-F614B6A3D559

## *Ceratina cyanea* (Kirby, 1802)

### Materials

- a. scientificName: *Ceratina (Euceratina) cyanea* (Kirby, 1802); order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Euceratina*; specificEpithet: *cyanea*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-13; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0112; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 0E075004-32A0-5E39-B5B6-5E6B5DF00E35
- b. scientificName: *Ceratina (Euceratina) cyanea* (Kirby, 1802); order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Euceratina*; specificEpithet: *cyanea*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002;

- eventDate: 2022-10-01; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0103; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 039F7CFC-95E1-536C-B947-EBAAB692FB77
- c. scientificName: *Ceratina (Euceratina) cyanea* (Kirby, 1802); order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Euceratina*; specificEpithet: *cyanea*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-07; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0107; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 6C5E08BD-2B4A-5478-837A-248DC6AA5925
- d. scientificName: *Ceratina (Euceratina) cyanea* (Kirby, 1802); order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Euceratina*; specificEpithet: *cyanea*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-27; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0109; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: E33AED88-C397-59E5-928E-5249021F3F4A
- e. scientificName: *Ceratina (Euceratina) cyanea* (Kirby, 1802); order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Euceratina*; specificEpithet: *cyanea*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-12; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0094; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 903FBB0E-C932-5C2D-B6A6-47EB367D6787
- f. scientificName: *Ceratina (Euceratina) cyanea* (Kirby, 1802); order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Euceratina*; specificEpithet: *cyanea*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-12; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A0097, A0111; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 39FD01AC-6950-5AE7-808A-114E42777DCF
- g. scientificName: *Ceratina (Euceratina) cyanea* (Kirby, 1802); order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Euceratina*; specificEpithet: *cyanea*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-21; individualCount: 2; sex: 1 male, 1 female; lifeStage: adult; catalogNumber: A0093, A0105; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: CD2DCECA-C350-5765-ADB8-081B4584BE7A
- h. scientificName: *Ceratina (Euceratina) cyanea* (Kirby, 1802); order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Euceratina*; specificEpithet: *cyanea*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84;

- coordinatePrecision: 0.0002; eventDate: 2022-09-14; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A0102, A0104; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 322FF2DC-5386-5DD9-850B-CF07B90483C4
- i. scientificName: *Ceratina (Euceratina) cyanea* (Kirby, 1802); order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Euceratina*; specificEpithet: *cyanea*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-20; individualCount: 3; sex: females; lifeStage: adult; catalogNumber: A0110, A0113, A0114; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: F8F9F0A2-CD1E-5967-9D04-AB2C183A4764
- j. scientificName: *Ceratina (Euceratina) cyanea* (Kirby, 1802); order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Euceratina*; specificEpithet: *cyanea*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-19; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0096; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: FA4D7883-8665-595A-8CB4-C826E69705DD
- k. scientificName: *Ceratina (Euceratina) cyanea* (Kirby, 1802); order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Euceratina*; specificEpithet: *cyanea*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-09-21; individualCount: 2; sex: female; lifeStage: adult; catalogNumber: A0099, A0106; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 094547CE-35E0-5E01-85F9-17DFD561C2C4
- l. scientificName: *Ceratina (Euceratina) cyanea* (Kirby, 1802); order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Euceratina*; specificEpithet: *cyanea*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-27; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0095; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: C358ECA9-2A89-5ABB-9391-4FBFCABF9D81
- m. scientificName: *Ceratina (Euceratina) cyanea* (Kirby, 1802); order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Euceratina*; specificEpithet: *cyanea*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-01; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0100; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 0ED9F8F8-B475-537B-806C-53B4E02A8996
- n. scientificName: *Ceratina (Euceratina) cyanea* (Kirby, 1802); order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Euceratina*; specificEpithet: *cyanea*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-18; individualCount: 1; sex: female; lifeStage: adult; catalogNumber:

- A0098; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 678C7EF9-4FAB-5444-AE05-9826D3F8EB1D
- o. scientificName: *Ceratina (Euceratina) cyanea* (Kirby, 1802); order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Euceratina*; specificEpithet: *cyanea*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-09-18; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A0101, A0108; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 33577B08-36EE-5BB2-AF6C-290CA7DBB4AC
- p. scientificName: *Ceratina (Euceratina) cyanea* (Kirby, 1802); order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Euceratina*; specificEpithet: *cyanea*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-19; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A2030; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: C4B8FCCE-6603-5EAE-877A-3C2E1199CCD0

## *Ceratina dallatorreana* Friese, 1896

### Material

- a. scientificName: *Ceratina (Euceratina) dallatorreana* Friese, 1896; order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Euceratina*; specificEpithet: *dallatorreana*; scientificNameAuthorship: Friese, 1896; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-10; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0116; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 2E4C83A4-FA34-5A9D-B40A-AFA8E746B38A

## *Ceratina dentiventris* Gerstaecker, 1869

### Material

- a. scientificName: *Ceratina (Euceratina) dentiventris* Gerstaecker, 1869; order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Euceratina*; specificEpithet: *dentiventris*; scientificNameAuthorship: Gerstaecker, 1869; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 2; decimalLatitude: 41.8596887; decimalLongitude: 12.4355075; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-18; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0115; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: B0232543-8248-5E30-99CB-68FFCF903618



***Ceratina gravidula* Gerstaecker, 1869****Material**

- a. scientificName: *Ceratina (Euceratina) gravidula* Gerstaecker, 1869; order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Euceratina*; specificEpithet: *gravidula*; scientificNameAuthorship: Gerstaecker, 1869; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-24; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0117; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 75ED00E2-6FE3-51CB-B301-A5C91F9AC5B6

***Ceratina nigrolabiata* Friese, 1896****Materials**

- a. scientificName: *Ceratina (Euceratina) nigrolabiata* Friese, 1896; order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Euceratina*; specificEpithet: *nigrolabiata*; scientificNameAuthorship: Friese, 1896; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-17; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0118; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: F69F0B24-D4FC-5927-9919-CD3A6A553C29
- b. scientificName: *Ceratina (Euceratina) nigrolabiata* Friese, 1896; order: Hymenoptera; family: Apidae; genus: *Ceratina*; subgenus: *Euceratina*; specificEpithet: *nigrolabiata*; scientificNameAuthorship: Friese, 1896; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-06; individualCount: 2; sex: males; lifeStage: adult; catalogNumber: A2080, A2081; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 1596B331-77E2-5EAF-879B-3784A8B3B969

***Epeolus cruciger* (Panzer, 1799)****Materials**

- a. scientificName: *Epeolus (Epeolus) cruciger* (Panzer, 1799); order: Hymenoptera; family: Apidae; genus: *Epeolus*; subgenus: *Epeolus*; specificEpithet: *cruciger*; scientificNameAuthorship: (Panzer, 1799); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-09-28; individualCount: 3; sex: males; lifeStage: adult; catalogNumber: A0185, A0187, A0188; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 0D596766-E92A-562D-8C7F-710595353235
- b. scientificName: *Epeolus (Epeolus) cruciger* (Panzer, 1799); order: Hymenoptera; family: Apidae; genus: *Epeolus*; subgenus: *Epeolus*; specificEpithet: *cruciger*; scientificNameAuthorship: (Panzer, 1799); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215;

decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-09-21; individualCount: 3; sex: males; lifeStage: adult; catalogNumber: A0186, A0189, A0190; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: C960F37E-DC13-5E0D-A35A-74148530D032

## ***Eucera clypeata* Erichson, 1835**

### **Materials**

- a. scientificName: *Eucera (Hetereucera) clypeata* Erichson, 1835; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Hetereucera*; specificEpithet: *clypeata*; scientificNameAuthorship: Erichson, 1835; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-12; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0715; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: ABA34FD6-1489-5B76-ACD9-3A3B9A69F76A
- b. scientificName: *Eucera (Hetereucera) clypeata* Erichson, 1835; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Hetereucera*; specificEpithet: *clypeata*; scientificNameAuthorship: Erichson, 1835; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-25; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A2006; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 426930EF-55E1-50AB-83EB-DC06EB256670

## ***Eucera grisea* Fabricius, 1793**

### **Materials**

- a. scientificName: *Eucera (Eucera) grisea* Fabricius, 1793; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Eucera*; specificEpithet: *grisea*; scientificNameAuthorship: Fabricius, 1793; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-16; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0781; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 4F75B644-A031-5601-B411-6743ECA47A0D
- b. scientificName: *Eucera (Eucera) grisea* Fabricius, 1793; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Eucera*; specificEpithet: *grisea*; scientificNameAuthorship: Fabricius, 1793; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-12; individualCount: 4; sex: 2 males, 2 females; lifeStage: adult; catalogNumber: A0711, A0712, A0790, A0791; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 3B11C93E-D7A7-5CF5-AD3D-D31173908595
- c. scientificName: *Eucera (Eucera) grisea* Fabricius, 1793; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Hetereucera*; specificEpithet: *grisea*; scientificNameAuthorship: Fabricius, 1793; country: Italy; countryCode: IT; stateProvince:

- Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-27; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0780; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 1FEE9332-E2D5-5507-9193-C18084127E3D
- d. scientificName: *Eucera (Eucera) grisea* Fabricius, 1793; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Eucera*; specificEpithet: *grisea*; scientificNameAuthorship: Fabricius, 1793; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-01; individualCount: 10; sex: females; lifeStage: adult; catalogNumber: A0782, A0783, A0785, A0786, A0787, A0792, A0793, A0798, A0799, A0800; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: A9EA6FE0-5119-5BA0-8AAA-34A77A66152F
- e. scientificName: *Eucera (Eucera) grisea* Fabricius, 1793; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Eucera*; specificEpithet: *grisea*; scientificNameAuthorship: Fabricius, 1793; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-04; individualCount: 7; sex: 6 males, 1 female; lifeStage: adult; catalogNumber: A0703, A0704, A0705, A0706, A0707, A0713, A0767; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: C20D837B-7713-5924-A3AD-99267E527AC0
- f. scientificName: *Eucera (Eucera) grisea* Fabricius, 1793; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Eucera*; specificEpithet: *grisea*; scientificNameAuthorship: Fabricius, 1793; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-01; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A0784, A0796; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 6D3F0BE1-C0B4-5CE6-9FE2-2450AF46C912
- g. scientificName: *Eucera (Eucera) grisea* Fabricius, 1793; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Eucera*; specificEpithet: *grisea*; scientificNameAuthorship: Fabricius, 1793; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-14; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0789; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 4CD44DFC-45FD-57B1-BA80-EA3D9B856F92
- h. scientificName: *Eucera (Eucera) grisea* Fabricius, 1793; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Eucera*; specificEpithet: *grisea*; scientificNameAuthorship: Fabricius, 1793; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-19; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1997; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 57CDF267-C1E4-5DC2-9711-224EF3BD6036

## *Eucera interrupta* Bär, 1850

### Material

- a. scientificName: *Eucera (Eucera) interrupta* Bär, 1850; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Eucera*; specificEpithet: *interrupta*; scientificNameAuthorship: Bär, 1850; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-27; individualCount: 2; sex: males; lifeStage: adult; catalogNumber: A0710, A0746; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 94C55DBB-911E-55D0-82AB-575FCF6D05C6

## *Eucera nigrescens* Pérez, 1879

### Materials

- a. scientificName: *Eucera (Eucera) nigrescens* Pérez, 1879; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Eucera*; specificEpithet: *nigrescens*; scientificNameAuthorship: Pérez, 1879; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-13; individualCount: 5; sex: males; lifeStage: adult; catalogNumber: A0724, A0726, A0727, A0733, A0736; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 83D639D9-E877-550D-9CC6-F81D2C5081FE
- b. scientificName: *Eucera (Eucera) nigrescens* Pérez, 1879; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Eucera*; specificEpithet: *nigrescens*; scientificNameAuthorship: Pérez, 1879; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-15; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0763; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: FBDFFA55-F194-5599-81E6-DB0FAFD7289D
- c. scientificName: *Eucera (Eucera) nigrescens* Pérez, 1879; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Eucera*; specificEpithet: *nigrescens*; scientificNameAuthorship: Pérez, 1879; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-27; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A0759, A0760; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 3BD4B668-98DD-566D-B838-45F7B342E58A
- d. scientificName: *Eucera (Eucera) nigrescens* Pérez, 1879; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Eucera*; specificEpithet: *nigrescens*; scientificNameAuthorship: Pérez, 1879; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-12; individualCount: 6; sex: males; lifeStage: adult; catalogNumber: A0717, A0719, A0721, A0722, A0728, A0729; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: A9C3F336-D1E0-51A2-86F8-B2D5668D6A7B

- e. scientificName: *Eucera (Eucera) nigrescens* Pérez, 1879; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Eucera*; specificEpithet: *nigrescens*; scientificNameAuthorship: Pérez, 1879; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-20; individualCount: 3; sex: males; lifeStage: adult; catalogNumber: A0732, A0734, A0737; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 8D963961-1163-5E2D-8462-8A4E9B0F3FA7
- f. scientificName: *Eucera (Eucera) nigrescens* Pérez, 1879; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Eucera*; specificEpithet: *nigrescens*; scientificNameAuthorship: Pérez, 1879; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-23; individualCount: 3; sex: 2 males, 1 female; lifeStage: adult; catalogNumber: A0725, A0735, A0761; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: EAF054D-CA43-595F-B8A8-99AAB5DB65D3
- g. scientificName: *Eucera (Eucera) nigrescens* Pérez, 1879; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Eucera*; specificEpithet: *nigrescens*; scientificNameAuthorship: Pérez, 1879; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-04; individualCount: 2; sex: males; lifeStage: adult; catalogNumber: A0723, A0730; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: FDB9129D-C6FD-56B8-A849-7629B94DB591
- h. scientificName: *Eucera (Eucera) nigrescens* Pérez, 1879; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Eucera*; specificEpithet: *nigrescens*; scientificNameAuthorship: Pérez, 1879; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-07; individualCount: 2; sex: males; lifeStage: adult; catalogNumber: A0716, A0720; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 4E7CDF5F-3B6F-5F54-BF89-325F2C32E05D
- i. scientificName: *Eucera (Eucera) nigrescens* Pérez, 1879; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Eucera*; specificEpithet: *nigrescens*; scientificNameAuthorship: Pérez, 1879; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 2; decimalLatitude: 41.8596887; decimalLongitude: 12.4355075; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-10; individualCount: 3; sex: males; lifeStage: adult; catalogNumber: A0718, A0731, A0738; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 0867E134-F3F7-5DBC-AFD1-799BD9575C41
- j. scientificName: *Eucera (Eucera) nigrescens* Pérez, 1879; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Eucera*; specificEpithet: *nigrescens*; scientificNameAuthorship: Pérez, 1879; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-19; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A2001; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 8C04C882-4DAE-5E76-8A59-0D56C6893880
- k. scientificName: *Eucera (Eucera) nigrescens* Pérez, 1879; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Eucera*; specificEpithet: *nigrescens*;

scientificNameAuthorship: Pérez, 1879; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-25; individualCount: 3; sex: males; lifeStage: adult; catalogNumber: A2005, A2008, A2021; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: D5C46BD1-EE46-59BB-BD71-947A1DA4E890

## *Eucera nigrifacies* Lepeletier, 1841

### Materials

- a. scientificName: *Eucera (Pteneucera) nigrifacies* Lepeletier, 1841; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Pteneucera*; specificEpithet: *nigrifacies*; scientificNameAuthorship: Lepeletier, 1841; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-10; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0743; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: CEEF97CF-996A-543C-A319-AAOD391F33B0
- b. scientificName: *Eucera (Pteneucera) nigrifacies* Lepeletier, 1841; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Pteneucera*; specificEpithet: *nigrifacies*; scientificNameAuthorship: Lepeletier, 1841; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-12; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0803; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 9168F731-6792-5908-9CFF-987A756D19AD
- c. scientificName: *Eucera (Pteneucera) nigrifacies* Lepeletier, 1841; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Pteneucera*; specificEpithet: *nigrifacies*; scientificNameAuthorship: Lepeletier, 1841; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-24; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0772; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: AB7F46DF-3F00-5F72-9E29-1D35BE49D2BE
- d. scientificName: *Eucera (Pteneucera) nigrifacies* Lepeletier, 1841; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Pteneucera*; specificEpithet: *nigrifacies*; scientificNameAuthorship: Lepeletier, 1841; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-07; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A0804, A0805; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: D127AD24-D5E4-5E26-AFEC-F8A2A0F7961A
- e. scientificName: *Eucera (Pteneucera) nigrifacies* Lepeletier, 1841; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Pteneucera*; specificEpithet: *nigrifacies*; scientificNameAuthorship: Lepeletier, 1841; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-24; individualCount: 1; sex: female; lifeStage: adult; catalogNumber:

- A0770; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: C4D5A793-C8A0-588A-8D32-DA5C93CE6C02
- f. scientificName: *Eucera (Pteneucera) nigrifacies* Lepeletier, 1841; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Pteneucera*; specificEpithet: *nigrifacies*; scientificNameAuthorship: Lepeletier, 1841; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-16; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0708; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 83A94ACE-07D7-537F-9326-B2FC1EB1FD26
- g. scientificName: *Eucera (Pteneucera) nigrifacies* Lepeletier, 1841; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Pteneucera*; specificEpithet: *nigrifacies*; scientificNameAuthorship: Lepeletier, 1841; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-01; individualCount: 5; sex: females; lifeStage: adult; catalogNumber: A0774, A0797, A0802, A0808, A0809; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: BA89BB7D-62CB-5E75-8447-23AD06B95F13
- h. scientificName: *Eucera (Pteneucera) nigrifacies* Lepeletier, 1841; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Pteneucera*; specificEpithet: *nigrifacies*; scientificNameAuthorship: Lepeletier, 1841; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-27; individualCount: 3; sex: 1 male, 2 females; lifeStage: adult; catalogNumber: A0742, A0773, A0810; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: E0A7638D-304A-5036-A366-4146456C2B0D
- i. scientificName: *Eucera (Pteneucera) nigrifacies* Lepeletier, 1841; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Pteneucera*; specificEpithet: *nigrifacies*; scientificNameAuthorship: Lepeletier, 1841; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-04; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0769; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 7BD5103F-3278-5506-AA3F-8C76F358FF1F
- j. scientificName: *Eucera (Pteneucera) nigrifacies* Lepeletier, 1841; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Pteneucera*; specificEpithet: *nigrifacies*; scientificNameAuthorship: Lepeletier, 1841; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-05; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0709; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 44373FA0-0356-5D4B-AA09-1DC0592F61D9
- k. scientificName: *Eucera (Pteneucera) nigrifacies* Lepeletier, 1841; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Pteneucera*; specificEpithet: *nigrifacies*; scientificNameAuthorship: Lepeletier, 1841; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-01; individualCount: 3; sex: females; lifeStage: adult;

- catalogNumber: A0771, A0794, A0795; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 8026EF1D-C8EB-5BB1-8C1B-E51B72BBCCEA
- l. scientificName: *Eucera (Pteneucera) nigrifacies* Lepeletier, 1841; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Pteneucera*; specificEpithet: *nigrifacies*; scientificNameAuthorship: Lepeletier, 1841; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-18; individualCount: 2; sex: males; lifeStage: adult; catalogNumber: A0744, A0745; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: DBDD61F5-9E14-51F7-937E-A0C240AA07E7
- m. scientificName: *Eucera (Pteneucera) nigrifacies* Lepeletier, 1841; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Pteneucera*; specificEpithet: *nigrifacies*; scientificNameAuthorship: Lepeletier, 1841; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 2; decimalLatitude: 41.8596887; decimalLongitude: 12.4355075; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-18; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0768; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: AD5B0875-10B4-51DE-A19C-CEB205B9E49B
- n. scientificName: *Eucera (Pteneucera) nigrifacies* Lepeletier, 1841; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Pteneucera*; specificEpithet: *nigrifacies*; scientificNameAuthorship: Lepeletier, 1841; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 2; decimalLatitude: 41.8596887; decimalLongitude: 12.4355075; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-13; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0801; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: FA74B47C-0EC2-5C8B-8D89-66EAF6B35774

## *Eucera numida* Lepeletier, 1841

### Materials

- a. scientificName: *Eucera (Eucera) numida* Lepeletier, 1841; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Eucera*; specificEpithet: *numida*; scientificNameAuthorship: Lepeletier, 1841; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 2; decimalLatitude: 41.8596887; decimalLongitude: 12.4355075; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-10; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0739; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: A2381863-DB4E-5008-948A-69E330472494
- b. scientificName: *Eucera (Eucera) numida* Lepeletier, 1841; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Eucera*; specificEpithet: *numida*; scientificNameAuthorship: Lepeletier, 1841; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-10; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0747; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 62598F3D-9304-5E9C-99C3-22A12C7AE12F
- c. scientificName: *Eucera (Eucera) numida* Lepeletier, 1841; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Eucera*; specificEpithet: *numida*; scientificNameAuthorship: Lepeletier, 1841; country: Italy; countryCode: IT; stateProvince:



Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-15; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0811; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 4AA4C9D1-5F97-500E-AF76-F2837230BFC7

- d. scientificName: *Eucera (Eucera) numida* Lepeletier, 1841; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Eucera*; specificEpithet: *numida*; scientificNameAuthorship: Lepeletier, 1841; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-23; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0813; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: AFFB5BE5-8AD6-51E3-B8BD-2C449DB2A9E5

## *Eucera oraniensis* Lepeletier, 1841

### Materials

- a. scientificName: *Eucera (Heteuocera) oraniensis* Lepeletier, 1841; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Heteuocera*; specificEpithet: *oraniensis*; scientificNameAuthorship: Lepeletier, 1841; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 3; decimalLatitude: 41.8298456; decimalLongitude: 12.5432538; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-24; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A0777, A0778; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 4B6C95D5-0355-5889-BDF8-F3EFE91ABE81
- b. scientificName: *Eucera (Heteuocera) oraniensis* Lepeletier, 1841; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Heteuocera*; specificEpithet: *oraniensis*; scientificNameAuthorship: Lepeletier, 1841; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-12; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0740; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 58F510BF-8CDD-5CEF-A96B-7895236BF95E
- c. scientificName: *Eucera (Heteuocera) oraniensis* Lepeletier, 1841; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Heteuocera*; specificEpithet: *oraniensis*; scientificNameAuthorship: Lepeletier, 1841; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-12; individualCount: 4; sex: females; lifeStage: adult; catalogNumber: A0775, A0776, A0779, A0807; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 2F494E6E-C844-576C-9BC6-D5B00C4CDC6B
- d. scientificName: *Eucera (Heteuocera) oraniensis* Lepeletier, 1841; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Heteuocera*; specificEpithet: *oraniensis*; scientificNameAuthorship: Lepeletier, 1841; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-16; individualCount: 2; sex: females;

- lifeStage: adult; catalogNumber: A0788, A0806; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 58E058DE-4795-55EE-AB1B-6701EF47AE39
- e. scientificName: *Eucera (Heterucera) oraniensis* Lepeletier, 1841; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Heterucera*; specificEpithet: *oraniensis*; scientificNameAuthorship: Lepeletier, 1841; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-07; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0741; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: A0248F6C-370D-55F6-9D24-8D7565A525CD

## *Eucera pannonica* Mocsáry, 1878

### Material

- a. scientificName: *Eucera (Heterucera) pannonica* Mocsáry, 1878; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Heterucera*; specificEpithet: *pannonica*; scientificNameAuthorship: Mocsáry, 1878; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-24; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0812; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 7ABFBF1A-5E6B-5745-A2EC-2880CA375044

## *Eucera pollinosa* Smith, 1854

### Materials

- a. scientificName: *Eucera (Eucera) pollinosa* Smith, 1854; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Eucera*; specificEpithet: *pollinosa*; scientificNameAuthorship: Smith, 1854; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-27; individualCount: 6; sex: 2 males, 4 females; lifeStage: adult; catalogNumber: A0750, A0757, A0758, A0762, A0765, A0766; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 924D023C-99F5-58D9-9692-A0E26C06B6CD
- b. scientificName: *Eucera (Eucera) pollinosa* Smith, 1854; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Eucera*; specificEpithet: *pollinosa*; scientificNameAuthorship: Smith, 1854; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-16; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0756; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 4E999525-98BE-5372-AAB2-CA09AD937C67
- c. scientificName: *Eucera (Eucera) pollinosa* Smith, 1854; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Eucera*; specificEpithet: *pollinosa*; scientificNameAuthorship: Smith, 1854; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002;

eventDate: 2022-06-05; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0764; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: A155B66B-D00C-59B7-B2AA-2778D67C3545

## *Eucera rufa* (Lepeletier, 1841)

### Materials

- a. scientificName: *Eucera* (*Synhalonia*) *rufa* (Lepeletier, 1841); order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Synhalonia*; specificEpithet: *rufa*; scientificNameAuthorship: (Lepeletier, 1841); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-10; individualCount: 6; sex: males; lifeStage: adult; catalogNumber: A0693, A0694, A0695, A0696, A0697, A0698; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 19475302-F3FE-5DD6-881E-A05B5871C0D9
- b. scientificName: *Eucera* (*Synhalonia*) *rufa* (Lepeletier, 1841); order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Synhalonia*; specificEpithet: *rufa*; scientificNameAuthorship: (Lepeletier, 1841); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-12; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0699; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 1AEAA81F-2B4D-5BF1-BF8A-509260F8E171
- c. scientificName: *Eucera* (*Synhalonia*) *rufa* (Lepeletier, 1841); order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Synhalonia*; specificEpithet: *rufa*; scientificNameAuthorship: (Lepeletier, 1841); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-19; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A2002; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 58F3EB29-5F34-5B04-9AC9-43E23146FFE0
- d. scientificName: *Eucera* (*Synhalonia*) *rufa* (Lepeletier, 1841); order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Synhalonia*; specificEpithet: *rufa*; scientificNameAuthorship: (Lepeletier, 1841); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-25; individualCount: 3; sex: males; lifeStage: adult; catalogNumber: A2024, A2025, A2027; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 8CD8EA5B-AB7B-53C2-977B-76E8BB2295B2

## *Eucera vulpes* Brullé, 1832

### Material

- a. scientificName: *Eucera* (*Hetereucera*) *vulpes* Brullé, 1832; order: Hymenoptera; family: Apidae; genus: *Eucera*; subgenus: *Hetereucera*; specificEpithet: *vulpes*; scientificNameAuthorship: Brullé, 1832; country: Italy; countryCode: IT; stateProvince:

Roma; locality: Riserva Naturale Valle dei Casali 2; decimalLatitude: 41.8596887; decimalLongitude: 12.4355075; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-14; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0714; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 30F37CEA-6BDB-5E2B-AA75-62368A3D4395

## *Eupavlovskia funeraria* (Smith, 1854)

### Material

- a. scientificName: *Eupavlovskia* (*Eupavlovskia*) *funeraria* Smith, 1854; order: Hymenoptera; family: Apidae; genus: *Eupavlovskia*; subgenus: *Eupavlovskia*; specificEpithet: *funeraria*; scientificNameAuthorship: Smith, 1854; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-10; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0456; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: C1C0700C-3818-5740-A880-8B60326C242A

## *Eupavlovskia obscura* (Friese, 1895)

### Material

- a. scientificName: *Eupavlovskia* (*Eupavlovskia*) *obscura* Friese, 1895; order: Hymenoptera; family: Apidae; genus: *Eupavlovskia*; subgenus: *Eupavlovskia*; specificEpithet: *obscura*; scientificNameAuthorship: Friese, 1895; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-12; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0455; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: F1FED204-E1E0-505C-AA11-3BD329396785

## *Habropoda tarsata* Smith, 1854

### Materials

- a. scientificName: *Habropoda* (*Habropoda*) *tarsata* (Spinola, 1838); order: Hymenoptera; family: Apidae; genus: *Habropoda*; specificEpithet: *tarsata*; scientificNameAuthorship: (Spinola, 1838); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-12; individualCount: 3; sex: 2 males, 1 female; lifeStage: adult; catalogNumber: A0349, A0353, A0363; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 06450B00-7141-55C9-BC6B-9D657B99D9D4
- b. scientificName: *Habropoda* (*Habropoda*) *tarsata* (Spinola, 1838); order: Hymenoptera; family: Apidae; genus: *Habropoda*; specificEpithet: *tarsata*; scientificNameAuthorship: (Spinola, 1838); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-15; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0366;

- recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 84C42629-27AE-5145-B026-9F6AD719B50F
- c. scientificName: *Habropoda (Habropoda) tarsata* (Spinola, 1838); order: Hymenoptera; family: Apidae; genus: *Habropoda*; specificEpithet: *tarsata*; scientificNameAuthorship: (Spinola, 1838); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-15; individualCount: 2; sex: 1 male, 1 female; lifeStage: adult; catalogNumber: A0350, A0367; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 31422F4E-14B9-59A7-B1B4-692835017F5E
- d. scientificName: *Habropoda (Habropoda) tarsata* (Spinola, 1838); order: Hymenoptera; family: Apidae; genus: *Habropoda*; specificEpithet: *tarsata*; scientificNameAuthorship: (Spinola, 1838); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-13; individualCount: 3; sex: males; lifeStage: adult; catalogNumber: A0351, A0355, A0358; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 465E7A4A-BC30-5AB8-9A0B-272C2EB48903
- e. scientificName: *Habropoda (Habropoda) tarsata* (Spinola, 1838); order: Hymenoptera; family: Apidae; genus: *Habropoda*; specificEpithet: *tarsata*; scientificNameAuthorship: (Spinola, 1838); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-20; individualCount: 9; sex: 6 males, 3 females; lifeStage: adult; catalogNumber: A0352, A0354, A0356, A0357, A359, A0361, A0364, A0368, A0370; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 9CD9BC1B-00B9-558F-B1E6-69A875E8A3A7
- f. scientificName: *Habropoda (Habropoda) tarsata* (Spinola, 1838); order: Hymenoptera; family: Apidae; genus: *Habropoda*; specificEpithet: *tarsata*; scientificNameAuthorship: (Spinola, 1838); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-04; individualCount: 2; sex: 1 male, 1 female; lifeStage: adult; catalogNumber: A0360, A0362; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 5ED2A1CB-AF27-5F66-9F46-24EC87B3013B
- g. scientificName: *Habropoda (Habropoda) tarsata* (Spinola, 1838); order: Hymenoptera; family: Apidae; genus: *Habropoda*; specificEpithet: *tarsata*; scientificNameAuthorship: (Spinola, 1838); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-10; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A0365, A0369; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 06E5A2DA-27D4-511F-BB34-129FB32DD413
- h. scientificName: *Habropoda (Habropoda) tarsata* (Spinola, 1838); order: Hymenoptera; family: Apidae; genus: *Habropoda*; specificEpithet: *tarsata*; scientificNameAuthorship: (Spinola, 1838); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-25; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A2004,

A2007; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3;  
occurrenceID: 39243911-2465-553C-93A7-315860D95320

## ***Habropoda zonatula* Smith, 1854**

### **Material**

- a. scientificName: *Habropoda (Habropoda) zonatula* Smith, 1854; order: Hymenoptera; family: Apidae; genus: *Habropoda*; subgenus: *Habropoda*; specificEpithet: *zonatula*; scientificNameAuthorship: (Smith, 1854); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-10; individualCount: 2; sex: males; lifeStage: adult; catalogNumber: A0347, A0348; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 82426F10-F49E-5651-87AB-C08484CDFED3

## ***Melecta aegyptiaca* (Förster, 1771)**

### **Material**

- a. scientificName: *Melecta (Melecta) aegyptiaca* Radoszkowski, 1876; order: Hymenoptera; family: Apidae; genus: *Melecta*; subgenus: *Melecta*; specificEpithet: *aegyptiaca*; scientificNameAuthorship: Radoszkowski, 1876; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 1; decimalLatitude: 41.9345179; decimalLongitude: 12.5453096; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-28; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0454; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: FEC38631-0D05-53C7-93E4-0D467DB494C6

## ***Melecta albifrons* Herrich-Schäffer, 1839**

### **Materials**

- a. scientificName: *Melecta (Melecta) albifrons* (Förster, 1771); order: Hymenoptera; family: Apidae; genus: *Melecta*; subgenus: *Melecta*; specificEpithet: *albifrons*; scientificNameAuthorship: (Forster, 1771); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-13; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0457; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 5238B2FA-3CC1-5EC7-A458-CBB9850F9558
- b. scientificName: *Melecta (Melecta) albifrons* (Förster, 1771); order: Hymenoptera; family: Apidae; genus: *Melecta*; subgenus: *Melecta*; specificEpithet: *albifrons*; scientificNameAuthorship: (Forster, 1771); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-12; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0458; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 4E60F19D-D4AF-59DB-ADD5-5BB7B94BD28B

***Nomada argentata* Herrich-Schäffer, 1839****Material**

- a. scientificName: *Nomada (Nomada) argentata* Herrich-Schäffer, 1839; order: Hymenoptera; family: Apidae; genus: *Nomada*; subgenus: *Nomada*; specificEpithet: *argentata*; scientificNameAuthorship: Herrich-Schäffer, 1839; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-10-01; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0478; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 5D9024DA-D390-5933-928B-15A43024A142

***Nomada basalis*****Materials**

- a. scientificName: *Nomada (Nomada) basalis* Herrich-Schäffer, 1839; order: Hymenoptera; family: Apidae; genus: *Nomada*; subgenus: *Nomada*; specificEpithet: *basalis*; scientificNameAuthorship: Herrich-Schäffer, 1839; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-04; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0470; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 1510190C-A9B0-5DB1-A17A-C726FDA0FE05
- b. scientificName: *Nomada (Nomada) basalis* Herrich-Schäffer, 1839; order: Hymenoptera; family: Apidae; genus: *Nomada*; subgenus: *Nomada*; specificEpithet: *basalis*; scientificNameAuthorship: Herrich-Schäffer, 1839; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-12; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0471; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: D02060E8-846D-5B89-8C5B-3F213211CD47
- c. scientificName: *Nomada (Nomada) basalis* Herrich-Schäffer, 1839; order: Hymenoptera; family: Apidae; genus: *Nomada*; subgenus: *Nomada*; specificEpithet: *basalis*; scientificNameAuthorship: Herrich-Schäffer, 1839; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 2; decimalLatitude: 41.8596887; decimalLongitude: 12.4355075; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-14; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0472; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 4AB83BAB-FC99-5A82-814D-28B576808FE3

***Nomada distinguenda* Pérez, 1913****Material**

- a. scientificName: *Nomada (Nomada) distinguenda* Morawiz, 1874; order: Hymenoptera; family: Apidae; genus: *Nomada*; subgenus: *Nomada*; specificEpithet: *distinguenda*; scientificNameAuthorship: Morawiz, 1874; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859;

decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-27; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0480; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 9A71FD6B-DA92-54E7-A061-971522DEDD45

### ***Nomada fallax* Pérez, 1913**

#### **Material**

- a. scientificName: *Nomada (Nomada) fallax* Pérez, 1913; order: Hymenoptera; family: Apidae; genus: *Nomada*; subgenus: *Nomada*; specificEpithet: *fallax*; scientificNameAuthorship: Pérez, 1913; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-12; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0475; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 47240AAE-D1B3-59FE-BB47-A79277D51929

### ***Nomada femoralis* Schmiedeknecht, 1882**

#### **Material**

- a. scientificName: *Nomada (Nomada) femoralis* Morawitz, 1869; order: Hymenoptera; family: Apidae; genus: *Nomada*; subgenus: *Nomada*; specificEpithet: *femoralis*; scientificNameAuthorship: Morawitz, 1869; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-12; individualCount: 2; sex: males; lifeStage: adult; catalogNumber: A0474, A0476; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 96713E0D-90B8-57C4-9BAF-C15A2CDFC185

### ***Nomada insignipes* (Panzer, 1799)**

#### **Material**

- a. scientificName: *Nomada (Nomada) insignipes* Schmiedeknecht, 1882; order: Hymenoptera; family: Apidae; genus: *Nomada*; subgenus: *Nomada*; specificEpithet: *insignipes*; scientificNameAuthorship: Schmiedeknecht, 1882; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-12; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0477; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 0FE542C2-361F-5CDB-BEF8-7CD1C6D5EC0F

### ***Nomada sexfasciata* (Kirby, 1802)**

#### **Materials**

- a. scientificName: *Nomada (Nomada) sexfasciata* Panzer, 1799; order: Hymenoptera; family: Apidae; genus: *Nomada*; subgenus: *Nomada*; specificEpithet: *sexfasciata*;



- scientificNameAuthorship: Panzer, 1799; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-28; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0465; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: A460F609-CEF4-591D-B4F7-18AEB28759E3
- b. scientificName: *Nomada (Nomada) sexfasciata* Panzer, 1799; order: Hymenoptera; family: Apidae; genus: *Nomada*; subgenus: *Nomada*; specificEpithet: *sexfasciata*; scientificNameAuthorship: Panzer, 1799; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-12; individualCount: 2; sex: males; lifeStage: adult; catalogNumber: A0466, A0473; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: E5D99D90-8EC8-589A-85A0-4C5A67CF81EA
- c. scientificName: *Nomada (Nomada) sexfasciata* Panzer, 1799; order: Hymenoptera; family: Apidae; genus: *Nomada*; subgenus: *Nomada*; specificEpithet: *sexfasciata*; scientificNameAuthorship: Panzer, 1799; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-19; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1970; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 77C0D1FF-8C5D-5E02-BAC3-4F6DB330C304

### *Nomada sheppardana* Dours, 1873

#### Material

- a. scientificName: *Nomada (Nomada) sheppardana* (Kirby, 1802); order: Hymenoptera; family: Apidae; genus: *Nomada*; subgenus: *Nomada*; specificEpithet: *sheppardana*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-24; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0481; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: D08D619E-7E37-53D4-9B59-E244B5FBB400

### *Nomada tridentirostris* Schmiedeknecht, 1882

#### Material

- a. scientificName: *Nomada (Nomada) tridentirostris* Dours, 1873; order: Hymenoptera; family: Apidae; genus: *Nomada*; subgenus: *Nomada*; specificEpithet: *tridentirostris*; scientificNameAuthorship: Dours, 1873; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 1; decimalLatitude: 41.9345179; decimalLongitude: 12.5453096; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-28; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0479; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 0C3E7965-C582-5BE6-9B01-43EEE0C10A67

## *Nomada verna* (Rossi, 1790)

### Materials

- a. scientificName: *Nomada (Nomada) verna* Schmiedeknecht, 1882; order: Hymenoptera; family: Apidae; genus: *Nomada*; subgenus: *Nomada*; specificEpithet: *verna*; scientificNameAuthorship: Schmiedeknecht, 1882; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-15; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0467; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: E0A4ED9B-8A7A-5448-91B5-EC0E46D159E4
- b. scientificName: *Nomada (Nomada) verna* Schmiedeknecht, 1882; order: Hymenoptera; family: Apidae; genus: *Nomada*; subgenus: *Nomada*; specificEpithet: *verna*; scientificNameAuthorship: Schmiedeknecht, 1882; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-20; individualCount: 2; sex: males; lifeStage: adult; catalogNumber: A0468, A0469; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 9E5A437B-9B73-5224-B105-4A721469E827

## *Tetralonia malvae* (Spinola, 1838)

### Materials

- a. scientificName: *Tetralonia (Tetralonia) malvae* (Rossi, 1790); order: Hymenoptera; family: Apidae; genus: *Tetralonia*; subgenus: *Tetralonia*; specificEpithet: *malvae*; scientificNameAuthorship: (Rossi, 1790); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-12; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0441; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: D6076B84-5321-5540-8506-F1AB31316F40
- b. scientificName: *Tetralonia (Tetralonia) malvae* (Rossi, 1790); order: Hymenoptera; family: Apidae; genus: *Tetralonia*; subgenus: *Tetralonia*; specificEpithet: *malvae*; scientificNameAuthorship: (Rossi, 1790); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-24; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0440; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 4BAAD0B5-2265-5A73-9F2C-1D14CBE6DCF5
- c. scientificName: *Tetralonia (Tetralonia) malvae* (Rossi, 1790); order: Hymenoptera; family: Apidae; genus: *Tetralonia*; subgenus: *Tetralonia*; specificEpithet: *malvae*; scientificNameAuthorship: (Rossi, 1790); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-27; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0443; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: D4A8141C-3E5C-58F2-B4E4-58B4D5434D8E

- d. scientificName: *Tetralonia (Tetralonia) malvae* (Rossi, 1790); order: Hymenoptera; family: Apidae; genus: *Tetralonia*; subgenus: *Tetralonia*; specificEpithet: *malvae*; scientificNameAuthorship: (Rossi, 1790); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-16; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0442; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 98B3A01D-3F6A-5CE3-B307-2E54F9A4DF46
- e. scientificName: *Tetralonia (Tetralonia) malvae* (Rossi, 1790); order: Hymenoptera; family: Apidae; genus: *Tetralonia*; subgenus: *Tetralonia*; specificEpithet: *malvae*; scientificNameAuthorship: (Rossi, 1790); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-05; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0444; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: E4F1E8C7-A1D2-572B-B662-C63C70AFCA89
- f. scientificName: *Tetralonia (Tetralonia) malvae* (Rossi, 1790); order: Hymenoptera; family: Apidae; genus: *Tetralonia*; subgenus: *Tetralonia*; specificEpithet: *malvae*; scientificNameAuthorship: (Rossi, 1790); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-27; individualCount: 3; sex: males; lifeStage: adult; catalogNumber: A0700, A0701, A0702; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 151A11D8-9184-553D-BBA9-5263A845D363

## *Xylocopa iris* (Christ, 1791)

### Materials

- a. scientificName: *Xylocopa (Copoxylla) iris* (Christ, 1791); order: Hymenoptera; family: Apidae; genus: *Xylocopa*; subgenus: *Copoxylla*; specificEpithet: *iris*; scientificNameAuthorship: (Christ, 1791); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-13; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0030; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: F1F63656-F6B2-543A-B3EE-84D849AFFCA1
- b. scientificName: *Xylocopa (Copoxylla) iris* (Christ, 1791); order: Hymenoptera; family: Apidae; genus: *Xylocopa*; subgenus: *Copoxylla*; specificEpithet: *iris*; scientificNameAuthorship: (Christ, 1791); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-15; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0034; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: E926F7FD-3EB6-5C8E-A34A-DAAF03939410
- c. scientificName: *Xylocopa (Copoxylla) iris* (Christ, 1791); order: Hymenoptera; family: Apidae; genus: *Xylocopa*; subgenus: *Copoxylla*; specificEpithet: *iris*; scientificNameAuthorship: (Christ, 1791); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002;

- eventDate: 2022-05-10; individualCount: 2; sex: males; lifeStage: adult; catalogNumber: A0032, A0033; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 62B7B7E4-D3B3-5FC5-9A3D-AB58C1BBF6A7
- d. scientificName: *Xylocopa (Copoxylla) iris* (Christ, 1791); order: Hymenoptera; family: Apidae; genus: *Xylocopa*; subgenus: *Copoxylla*; specificEpithet: *iris*; scientificNameAuthorship: (Christ, 1791); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-27; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0031; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: C27DB691-28BA-57BA-8AFD-16E6C954244B
- e. scientificName: *Xylocopa (Copoxylla) iris* (Christ, 1791); order: Hymenoptera; family: Apidae; genus: *Xylocopa*; subgenus: *Copoxylla*; specificEpithet: *iris*; scientificNameAuthorship: (Christ, 1791); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-16; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0037; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: D0A9B93A-13AB-532C-BF19-11156BFFA5AC
- f. scientificName: *Xylocopa (Copoxylla) iris* (Christ, 1791); order: Hymenoptera; family: Apidae; genus: *Xylocopa*; subgenus: *Copoxylla*; specificEpithet: *iris*; scientificNameAuthorship: (Christ, 1791); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-01; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0036; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 05D6358A-AEC6-5663-8242-0A8FB0EB233D
- g. scientificName: *Xylocopa (Copoxylla) iris* (Christ, 1791); order: Hymenoptera; family: Apidae; genus: *Xylocopa*; subgenus: *Copoxylla*; specificEpithet: *iris*; scientificNameAuthorship: (Christ, 1791); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-28; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0038; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: D720EADD-623F-5DFF-A3F0-1396EFB515BD
- h. scientificName: *Xylocopa (Copoxylla) iris* (Christ, 1791); order: Hymenoptera; family: Apidae; genus: *Xylocopa*; subgenus: *Copoxylla*; specificEpithet: *iris*; scientificNameAuthorship: (Christ, 1791); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 2; decimalLatitude: 41.8596887; decimalLongitude: 12.4355075; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-14; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0035; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 28040B8B-C66A-5F9B-9F5F-AA2CDD0B4A84

## *Xylocopa violacea* (Linnaeus, 1758)

### Materials

- a. scientificName: *Xylocopa (Xylocopa) violacea* (Linnaeus, 1758); order: Hymenoptera; family: Apidae; genus: *Xylocopa*; subgenus: *Xylocopa*; specificEpithet: *violacea*;

- scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-12; individualCount: 2; sex: 1 male, 1 female; lifeStage: adult; catalogNumber: A0016, A0026; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 98987F15-96A6-5042-A588-1A0279917ADF
- b. scientificName: *Xylocopa (Xylocopa) violacea* (Linnaeus, 1758); order: Hymenoptera; family: Apidae; genus: *Xylocopa*; subgenus: *Xylocopa*; specificEpithet: *violacea*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-22; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0024; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 0FC8C1A7-F71B-5774-A9BF-412F461D9B88
- c. scientificName: *Xylocopa (Xylocopa) violacea* (Linnaeus, 1758); order: Hymenoptera; family: Apidae; genus: *Xylocopa*; subgenus: *Xylocopa*; specificEpithet: *violacea*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-07; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0025; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 4938CA44-A8B9-56F7-B878-206B3C581F5F
- d. scientificName: *Xylocopa (Xylocopa) violacea* (Linnaeus, 1758); order: Hymenoptera; family: Apidae; genus: *Xylocopa*; subgenus: *Xylocopa*; specificEpithet: *violacea*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insuperata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-30; individualCount: 4; sex: 1 male, 3 females; lifeStage: adult; catalogNumber: A0014, A0017, A0022, A0023; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 36D02EE3-8B72-58CC-A043-1E3ED18C40FD
- e. scientificName: *Xylocopa (Xylocopa) violacea* (Linnaeus, 1758); order: Hymenoptera; family: Apidae; genus: *Xylocopa*; subgenus: *Xylocopa*; specificEpithet: *violacea*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insuperata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-27; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0020; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: F09DF38C-8DC4-5849-9F46-9A1CC7CB8F9F
- f. scientificName: *Xylocopa (Xylocopa) violacea* (Linnaeus, 1758); order: Hymenoptera; family: Apidae; genus: *Xylocopa*; subgenus: *Xylocopa*; specificEpithet: *violacea*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insuperata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-30; individualCount: 2; sex: 1 male, 1 female; lifeStage: adult; catalogNumber: A0013, A0027; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 1B939261-80BC-5216-8A0F-B59E3AC5CC75

- g. scientificName: *Xylocopa (Xylocopa) violacea* (Linnaeus, 1758); order: Hymenoptera; family: Apidae; genus: *Xylocopa*; subgenus: *Xylocopa*; specificEpithet: *violacea*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-30; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0018; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: A0B293BB-494C-56B3-AFA8-7423C39A68FB
- h. scientificName: *Xylocopa (Xylocopa) violacea* (Linnaeus, 1758); order: Hymenoptera; family: Apidae; genus: *Xylocopa*; subgenus: *Xylocopa*; specificEpithet: *violacea*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-12; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0012; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: E62582FA-F2C4-5C6A-941E-3CA11AE0193A
- i. scientificName: *Xylocopa (Xylocopa) violacea* (Linnaeus, 1758); order: Hymenoptera; family: Apidae; genus: *Xylocopa*; subgenus: *Xylocopa*; specificEpithet: *violacea*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-09-14; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0029; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: B7A0BAE4-86E3-59E6-8BC0-745EEBE00A24
- j. scientificName: *Xylocopa (Xylocopa) violacea* (Linnaeus, 1758); order: Hymenoptera; family: Apidae; genus: *Xylocopa*; subgenus: *Xylocopa*; specificEpithet: *violacea*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-04; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0021; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 494D724E-4DA9-51C4-BC29-BC0F8CFA3600
- k. scientificName: *Xylocopa (Xylocopa) violacea* (Linnaeus, 1758); order: Hymenoptera; family: Apidae; genus: *Xylocopa*; subgenus: *Xylocopa*; specificEpithet: *violacea*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 1; decimalLatitude: 41.9345179; decimalLongitude: 12.5453096; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-28; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0015; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 1D3A0A0B-3296-5D05-AEE1-2BB2AB91E61B
- l. scientificName: *Xylocopa (Xylocopa) violacea* (Linnaeus, 1758); order: Hymenoptera; family: Apidae; genus: *Xylocopa*; subgenus: *Xylocopa*; specificEpithet: *violacea*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-01; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A0019, A0028; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: EB0B33FA-8F52-5A5D-ABE2-9A0E42D5B133

- m. scientificName: *Xylocopa (Xylocopa) violacea* (Linnaeus, 1758); order: Hymenoptera; family: Apidae; genus: *Xylocopa*; subgenus: *Xylocopa*; specificEpithet: *violacea*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 1; decimalLatitude: 41.9345179; decimalLongitude: 12.5453096; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-03; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A2102; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 97653AB7-AA59-500C-B38B-FC8E66A7F5B1
- n. scientificName: *Xylocopa (Xylocopa) violacea* (Linnaeus, 1758); order: Hymenoptera; family: Apidae; genus: *Xylocopa*; subgenus: *Xylocopa*; specificEpithet: *violacea*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-03; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A2139; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionCode: UR3; occurrenceID: 1CC5EFA5-6F68-53C9-8EA8-B2CD038CD911

## Colletidae Lepeletier, 1841

### *Colletes eous* Morice, 1904

#### Material

- a. scientificName: *Colletes (Colletes) eous* Morice, 1904; order: Hymenoptera; family: Colletidae; genus: *Colletes*; subgenus: *Colletes*; specificEpithet: *eous*; scientificNameAuthorship: Morice, 1904; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.807928; decimalLongitude: 12.468555; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-21; individualCount: 4; sex: females; lifeStage: adult; catalogNumber: A0676, A0680, A0681, A0682; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 073A4FFC-30C8-597D-A6C7-A997727626E4

### *Colletes hederæ* Schmidt & Westrich, 1993

#### Materials

- a. scientificName: *Colletes (Colletes) hederæ* Schmidt & Westrich, 1993; order: Hymenoptera; family: Colletidae; genus: *Colletes*; subgenus: *Colletes*; specificEpithet: *hederæ*; scientificNameAuthorship: Schmidt & Westrich, 1993; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'AcquaFreda; decimalLatitude: 41.892841; decimalLongitude: 12.399320; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-09-10; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0664; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 10940D71-56DA-5219-9701-1698BFB1B128
- b. scientificName: *Colletes (Colletes) hederæ* Schmidt & Westrich, 1993; order: Hymenoptera; family: Colletidae; genus: *Colletes*; subgenus: *Colletes*; specificEpithet: *hederæ*; scientificNameAuthorship: Schmidt & Westrich, 1993; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1;

- decimalLatitude: 41.862394; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-09-25; individualCount: 6; sex: males; lifeStage: adult; catalogNumber: A0665, A0666, A0668, A0669, A0673, A0679; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 77BEFB29-43EC-5834-A3C0-14A52D79DBA5
- c. scientificName: *Colletes (Colletes) hederæ* Schmidt & Westrich, 1993; order: Hymenoptera; family: Colletidae; genus: *Colletes*; subgenus: *Colletes*; specificEpithet: *hederæ*; scientificNameAuthorship: Schmidt & Westrich, 1993; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.840256; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-29; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0667; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 6F08934F-008D-5D77-AD11-975E1F527068
- d. scientificName: *Colletes (Colletes) hederæ* Schmidt & Westrich, 1993; order: Hymenoptera; family: Colletidae; genus: *Colletes*; subgenus: *Colletes*; specificEpithet: *hederæ*; scientificNameAuthorship: Schmidt & Westrich, 1993; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.807928; decimalLongitude: 12.468555; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-09-14; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0663; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: FD968AFE-A9AB-5A91-AEAF-579C57D8B76E

## *Colletes marginatus* Smith, 1846

### Material

- a. scientificName: *Colletes (Colletes) marginatus* Smith, 1846; order: Hymenoptera; family: Colletidae; genus: *Colletes*; subgenus: *Colletes*; specificEpithet: *marginatus*; scientificNameAuthorship: Smith, 1846; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.807928; decimalLongitude: 12.468555; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-21; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0675; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: AA90037F-90FA-5A59-AF5A-5ADA8F395444

## *Colletes mlokoszewiczi* Radoszkowski, 1891

### Materials

- a. scientificName: *Colletes (Colletes) mlokoszewiczi* Radoszkowski, 1891; order: Hymenoptera; family: Colletidae; genus: *Colletes*; subgenus: *Colletes*; specificEpithet: *mlokoszewiczi*; scientificNameAuthorship: Radoszkowski, 1891; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.807928; decimalLongitude: 12.468555; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-21; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0674; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: FACBD383-B819-502D-AFAB-44E393DF6D7E
- b. scientificName: *Colletes (Colletes) mlokoszewiczi* Radoszkowski, 1891; order: Hymenoptera; family: Colletidae; genus: *Colletes*; subgenus: *Colletes*; specificEpithet:



*mlokoszewiczi*; scientificNameAuthorship: Radoszkowski, 1891; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insuperata 1; decimalLatitude: 41.955505; decimalLongitude: 12.429232; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-30; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0677; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: AF3F2283-B803-51BA-9ED0-FFC3E3DA2B82

## *Colletes similis* Schenck, 1853

### Materials

- a. scientificName: *Colletes (Colletes) similis* Schenck, 1853; order: Hymenoptera; family: Colletidae; genus: *Colletes*; subgenus: *Colletes*; specificEpithet: *similis*; scientificNameAuthorship: Schenck, 1853; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.892841; decimalLongitude: 12.399320; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-10; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0670; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: F34D5E03-4B96-5866-92E0-1BC008CDB245
- b. scientificName: *Colletes (Colletes) similis* Schenck, 1853; order: Hymenoptera; family: Colletidae; genus: *Colletes*; subgenus: *Colletes*; specificEpithet: *similis*; scientificNameAuthorship: Schenck, 1853; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.840256; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-24; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0671; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 4A1E36C2-EA23-5E31-B2E1-57F15F4802B0
- c. scientificName: *Colletes (Colletes) similis* Schenck, 1853; order: Hymenoptera; family: Colletidae; genus: *Colletes*; subgenus: *Colletes*; specificEpithet: *similis*; scientificNameAuthorship: Schenck, 1853; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-09-28; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0672; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: F34BBB7C-94CD-55BD-9289-9F674ACEDBCD
- d. scientificName: *Colletes (Colletes) similis* Schenck, 1853; order: Hymenoptera; family: Colletidae; genus: *Colletes*; subgenus: *Colletes*; specificEpithet: *similis*; scientificNameAuthorship: Schenck, 1853; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.831652; decimalLongitude: 12.399993; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-01; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0678; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: D062808E-06BA-5F09-9381-325E1AE4AB4E

## *Hylaeus angustatus* (Schenck, 1861)

### Materials

- a. scientificName: *Hylaeus (Hylaeus) angustatus* (Schenck, 1861); order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Hylaeus*; specificEpithet: *angustatus*;

- scientificNameAuthorship: (Schenck, 1861); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.862394; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-10; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0525; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 7D17E395-D18A-5BC5-AB74-872F31D8E863
- b. scientificName: *Hylaeus (Hylaeus) angustatus* (Schenck, 1861); order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Hylaeus*; specificEpithet: *angustatus*; scientificNameAuthorship: (Schenck, 1861); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-14; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0514; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 8A90F9ED-9606-5AB1-9D58-67382D6AD32A
- c. scientificName: *Hylaeus (Hylaeus) angustatus* (Schenck, 1861); order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Hylaeus*; specificEpithet: *angustatus*; scientificNameAuthorship: (Schenck, 1861); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.955505; decimalLongitude: 12.429232; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-30; individualCount: 6; sex: 1 male, 5 females; lifeStage: adult; catalogNumber: A0521, A0546, A0551, A0554, A0563, A0568; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: AF2EBE95-2807-5147-B9B0-72998677D92C
- d. scientificName: *Hylaeus (Hylaeus) angustatus* (Schenck, 1861); order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Hylaeus*; specificEpithet: *angustatus*; scientificNameAuthorship: (Schenck, 1861); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.840256; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-29; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0600; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 9D27299E-881A-595B-97FA-BBB153846A10

## *Hylaeus brevicornis* Nylander, 1852

### Materials

- a. scientificName: *Hylaeus (Dentigera) brevicornis* Nylander, 1852; order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Dentigera*; specificEpithet: *brevicornis*; scientificNameAuthorship: Nylander, 1852; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.862394; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-10; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0517; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: B514E4C7-8628-5F03-AFC1-1BAB76C6FD92
- b. scientificName: *Hylaeus (Dentigera) brevicornis* Nylander, 1852; order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Dentigera*; specificEpithet: *brevicornis*; scientificNameAuthorship: Nylander, 1853; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.840256; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-24; individualCount: 2; sex: females; lifeStage: adult;

- catalogNumber: A0496, A0584; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: A80AD53E-6C2F-53AA-93F0-78E0AE3419DB
- c. scientificName: *Hylaeus (Dentigera) brevicornis* Nylander, 1852; order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Dentigera*; specificEpithet: *brevicornis*; scientificNameAuthorship: Nylander, 1854; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.831652; decimalLongitude: 12.399993; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-01; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0565; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 63499189-9EFC-5EEB-978B-4B58A28ABEB5
- d. scientificName: *Hylaeus (Dentigera) brevicornis* Nylander, 1852; order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Dentigera*; specificEpithet: *brevicornis*; scientificNameAuthorship: Nylander, 1855; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.892841; decimalLongitude: 12.399320; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-10; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0513; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 7AFDB2AB-2130-58EC-9D93-DFFD825F0059
- e. scientificName: *Hylaeus (Dentigera) brevicornis* Nylander, 1852; order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Dentigera*; specificEpithet: *brevicornis*; scientificNameAuthorship: Nylander, 1856; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-18; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0533; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: B7FE036A-82EE-53F7-9622-51333FB6CF18
- f. scientificName: *Hylaeus (Dentigera) brevicornis* Nylander, 1852; order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Dentigera*; specificEpithet: *brevicornis*; scientificNameAuthorship: Nylander, 1857; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.892841; decimalLongitude: 12.399320; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-12; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0550; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 760CF177-5E60-542A-9246-9262BF7AFD45
- g. scientificName: *Hylaeus (Dentigera) brevicornis* Nylander, 1852; order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Dentigera*; specificEpithet: *brevicornis*; scientificNameAuthorship: Nylander, 1858; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-13; individualCount: 3; sex: males; lifeStage: adult; catalogNumber: A0530, A0549, A0562; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: B1E29B85-7C86-5C59-9760-3CA483AFE7D7
- h. scientificName: *Hylaeus (Dentigera) brevicornis* Nylander, 1852; order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Dentigera*; specificEpithet: *brevicornis*; scientificNameAuthorship: Nylander, 1859; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.840256; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-29; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0564; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 02769FAB-54FB-5903-B0DB-3934C10CE12A

- i. scientificName: *Hylaeus (Dentigera) brevicornis* Nylander, 1852; order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Dentigera*; specificEpithet: *brevicornis*; scientificNameAuthorship: Nylander, 1860; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.831652; decimalLongitude: 12.399993; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-09-28; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0597; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 61F4D054-1242-5F66-9C17-A89F3791FD2F

## *Hylaeus clypearis* (Schenck, 1853)

### Materials

- a. scientificName: *Hylaeus (Paraprosopis) clypearis* (Schenck, 1853); order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Paraprosopis*; specificEpithet: *clypearis*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.831652; decimalLongitude: 12.399993; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-01; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0491; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 9EB75FEE-9966-5681-A6C3-50623E777687
- b. scientificName: *Hylaeus (Paraprosopis) clypearis* (Schenck, 1853); order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Paraprosopis*; specificEpithet: *clypearis*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.831652; decimalLongitude: 12.399993; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-27; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0544; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 0FEBDEF0-BA0E-5325-94D3-1E3B78D38E20
- c. scientificName: *Hylaeus (Paraprosopis) clypearis* (Schenck, 1853); order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Paraprosopis*; specificEpithet: *clypearis*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.892841; decimalLongitude: 12.399320; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-12; individualCount: 2; sex: males; lifeStage: adult; catalogNumber: A0540, A0543; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 502B15A1-9063-52BD-8EB4-6BEE211A2538
- d. scientificName: *Hylaeus (Paraprosopis) clypearis* (Schenck, 1853); order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Paraprosopis*; specificEpithet: *clypearis*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-13; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0559; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: B2214F78-09BD-5ACE-A94C-BC8DCB57EC58
- e. scientificName: *Hylaeus (Paraprosopis) clypearis* (Schenck, 1853); order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Paraprosopis*; specificEpithet: *clypearis*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.807928; decimalLongitude: 12.468555; geodeticDatum: WGS84; coordinatePrecision: 0.0002;

- eventDate: 2022-07-17; individualCount: 4; sex: females; lifeStage: adult; catalogNumber: A0570, A0571, A0573, A0576; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 299E454B-46DE-502F-9E26-FBC349800B9E
- f. scientificName: *Hylaeus (Paraprosopis) clypearis* (Schenck, 1853); order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Paraprosopis*; specificEpithet: *clypearis*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-03; individualCount: 2; sex: males; lifeStage: adult; catalogNumber: A2114, A2115; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 871A421E-8FA6-5093-8966-9CCC1679FC8B
- g. scientificName: *Hylaeus (Paraprosopis) clypearis* (Schenck, 1853); order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Paraprosopis*; specificEpithet: *clypearis*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-19; individualCount: 2; sex: males; lifeStage: adult; catalogNumber: A2048, A2049; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 13049622-7611-5C0D-B7EB-C7942D5ED3C8
- h. scientificName: *Hylaeus (Paraprosopis) clypearis* (Schenck, 1853); order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Paraprosopis*; specificEpithet: *clypearis*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-27; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0599; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 99CDD53-0BA9-57F5-925C-7CDD623A0D5F
- i. scientificName: *Hylaeus (Paraprosopis) clypearis* (Schenck, 1853); order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Paraprosopis*; specificEpithet: *clypearis*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.840256; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-29; individualCount: 12; sex: 7 males, 5 females; lifeStage: adult; catalogNumber: A0497, A0498, A0556, A0558, A0560, A0566, A0575, A0585, A0586, A0594, A0595, A0596; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 7DC5C4A1-B722-51AF-8445-49014B298687

## *Hylaeus communis* Nylander, 1852

### Materials

- a. scientificName: *Hylaeus (Hylaeus) communis* Nylander, 1852; order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Hylaeus*; specificEpithet: *communis*; scientificNameAuthorship: Nylander, 1852; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-14; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A0494, A0505; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: AEC5CE2D-FE9A-5260-A988-81919EBEFE7B

- b. scientificName: *Hylaeus (Hylaeus) communis* Nylander, 1852; order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Hylaeus*; specificEpithet: *communis*; scientificNameAuthorship: Nylander, 1852; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.938622; decimalLongitude: 12.454622; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-20; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0507; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 31E1363B-B150-5CD7-AE34-29A5C8131144
- c. scientificName: *Hylaeus (Hylaeus) communis* Nylander, 1852; order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Hylaeus*; specificEpithet: *communis*; scientificNameAuthorship: Nylander, 1852; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.955505; decimalLongitude: 12.429232; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-30; individualCount: 7; sex: males; lifeStage: adult; catalogNumber: A0490, A0500, A0552, A0553, A0574, A0581, A0582; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: FFF7633B-D3C9-58AA-A4F9-50BFABA1829C
- d. scientificName: *Hylaeus (Hylaeus) communis* Nylander, 1852; order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Hylaeus*; specificEpithet: *communis*; scientificNameAuthorship: Nylander, 1852; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.840256; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-29; individualCount: 2; sex: males; lifeStage: adult; catalogNumber: A0488, A0537; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 034E57B7-FD2A-5688-985E-595EE366B9D2

## *Hylaeus cornutus* Curtis, 1831

### Material

- a. scientificName: *Hylaeus (Abrupta) cornutus* Curtis, 1831; order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Abrupta*; specificEpithet: *cornutus*; scientificNameAuthorship: Curtis, 1831; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.807928; decimalLongitude: 12.468555; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-17; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0527; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: F688D361-92C5-597D-828D-A68E3F4C6575

## *Hylaeus difformis* (Eversmann, 1852)

### Materials

- a. scientificName: *Hylaeus (Hylaeus) difformis* (Eversmann, 1852); order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Hylaeus*; specificEpithet: *difformis*; scientificNameAuthorship: (Eversmann, 1852); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-05; individualCount: 1; sex: female;

- lifeStage: adult; catalogNumber: A0524; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 6974954B-B9F5-59CE-B29D-A5E1304EAA62
- b. scientificName: *Hylaeus (Hylaeus) difformis* (Eversmann, 1852); order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Hylaeus*; specificEpithet: *difformis*; scientificNameAuthorship: (Eversmann, 1852); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.964483; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-30; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0579; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 50788FAE-D7F8-51A2-AFAA-8B0020F9BBA3

## *Hylaeus hyalinatus* Smith, 1842

### Material

- a. scientificName: *Hylaeus (Spatulariella) hyalinatus* Smith, 1842; order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Spatulariella*; specificEpithet: *hyalinatus*; scientificNameAuthorship: Smith, 1842; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.840256; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-29; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0547; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 64C5495B-ECB7-592B-A5A4-519131F76C17

## *Hylaeus intermedius* Förster, 1871

### Materials

- a. scientificName: *Hylaeus (Spatulariella) hyperpunctatus* (Strand, 1909); order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Spatulariella*; specificEpithet: *hyperpunctatus*; scientificNameAuthorship: (Strand, 1909); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.807928; decimalLongitude: 12.468555; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-09-14; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0590; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: ED46D71A-29BE-5617-9F7B-E84A031C4E76
- b. scientificName: *Hylaeus (Dentigera) intermedius* Förster, 1871; order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Dentigera*; specificEpithet: *intermedius*; scientificNameAuthorship: Förster, 1871; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.892841; decimalLongitude: 12.399320; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-12; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0541; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 433B79EC-79E9-587E-867B-2FD4F9CECAD9

## *Hylaeus punctatus* (Brullé, 1832)

### Materials

- a. scientificName: *Hylaeus (Spatulariella) punctatus* (Brullé, 1832); order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Spatulariella*; specificEpithet: *punctatus*; scientificNameAuthorship: (Brullé, 1832); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-18; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0536; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: CD062032-18B5-5170-B3C3-43C4AF453344
- b. scientificName: *Hylaeus (Spatulariella) punctatus* (Brullé, 1832); order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Spatulariella*; specificEpithet: *punctatus*; scientificNameAuthorship: (Brullé, 1832); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-03; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A2116; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 8CD99734-9E8B-5106-9B02-8389C2AA4B8F
- c. scientificName: *Hylaeus (Spatulariella) punctatus* (Brullé, 1832); order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Spatulariella*; specificEpithet: *punctatus*; scientificNameAuthorship: (Brullé, 1832); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-19; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A2047; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: A25D2D72-E1FD-59F2-876D-9979BF49CE43
- d. scientificName: *Hylaeus (Spatulariella) punctatus* (Brullé, 1832); order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Spatulariella*; specificEpithet: *punctatus*; scientificNameAuthorship: (Brullé, 1832); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.807928; decimalLongitude: 12.468555; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-09-14; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0590; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: E3D42092-F06C-5381-AA39-5C386DBBB60A
- e. scientificName: *Hylaeus (Spatulariella) punctatus* (Brullé, 1832); order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Spatulariella*; specificEpithet: *punctatus*; scientificNameAuthorship: (Brullé, 1832); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.807928; decimalLongitude: 12.468555; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-21; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A0510, A0587; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 4885C7EA-40C9-5A91-B73F-680E4DDB5BCF
- f. scientificName: *Hylaeus (Spatulariella) punctatus* (Brullé, 1832); order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Spatulariella*; specificEpithet: *punctatus*; scientificNameAuthorship: (Brullé, 1832); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.840256; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-29; individualCount: 11; sex: 4 males, 7 females; lifeStage: adult; catalogNumber: A0489, A0509, A0519, A0528, A0567, A0583, A0588, A0589, A0591,



- A0593, A0598; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 9D45DC0F-5520-5E83-A694-7D2F8B1B0F4C
- g. scientificName: *Hylaeus (Spatulariella) punctatus* (Brullé, 1832); order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Spatulariella*; specificEpithet: *punctatus*; scientificNameAuthorship: (Brullé, 1832); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 1; decimalLatitude: 41.9345179; decimalLongitude: 12.5453096; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-09-04; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0592; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 6ECFD9D8-3129-5C80-80FC-11F0D1D0CC42

## *Hylaeus punctulatus* Smith, 1842

### Material

- a. scientificName: *Hylaeus (Koptogaster) punctulatus* Smith, 1842; order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Koptogaster*; specificEpithet: *punctulatus*; scientificNameAuthorship: Smith, 1842; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.807928; decimalLongitude: 12.468555; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-17; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0578; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: C873D188-65E5-5BAC-8741-7E4D40E35698

## *Hylaeus styriacus* Förster, 1871

### Materials

- a. scientificName: *Hylaeus (Paraprosopis) styriacus* Förster, 1871; order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Paraprosopis*; specificEpithet: *styriacus*; scientificNameAuthorship: Förster, 1871; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-28; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0501; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 02CEC1E5-D653-55D2-AD07-F14FF2DDFA0D
- b. scientificName: *Hylaeus (Paraprosopis) styriacus* Förster, 1871; order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Paraprosopis*; specificEpithet: *styriacus*; scientificNameAuthorship: Förster, 1871; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.892841; decimalLongitude: 12.399320; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-12; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0531; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 32E8B8E8-39E6-5FA0-A806-5395B0962B68

## *Hylaeus taeniolatus* Förster, 1871

### Materials

- a. scientificName: *Hylaeus (Paraprosopis) taeniolatus* Förster, 1871; order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Paraprosopis*; specificEpithet: *taeniolatus*; scientificNameAuthorship: Förster, 1871; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.938622; decimalLongitude: 12.454622; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-20; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0515; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: A4E7A262-22FE-5BD0-B2D1-D43D9BEA8269
- b. scientificName: *Hylaeus (Paraprosopis) taeniolatus* Förster, 1871; order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Paraprosopis*; specificEpithet: *taeniolatus*; scientificNameAuthorship: Förster, 1871; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.840256; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-24; individualCount: 3; sex: 1 male, 2 females; lifeStage: adult; catalogNumber: A0495, A0506, A0572; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 646572CA-3D1C-59EE-AEE9-6908892AE56E
- c. scientificName: *Hylaeus (Paraprosopis) taeniolatus* Förster, 1871; order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Paraprosopis*; specificEpithet: *taeniolatus*; scientificNameAuthorship: Förster, 1871; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-13; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0539; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: DF22F0D2-37D7-5772-B826-B18EA51B5B9C
- d. scientificName: *Hylaeus (Paraprosopis) taeniolatus* Förster, 1871; order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Paraprosopis*; specificEpithet: *taeniolatus*; scientificNameAuthorship: Förster, 1871; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.840256; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-06; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0548; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 01CB3667-1539-562E-B1B9-410A16856557
- e. scientificName: *Hylaeus (Paraprosopis) taeniolatus* Förster, 1871; order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Paraprosopis*; specificEpithet: *taeniolatus*; scientificNameAuthorship: Förster, 1871; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-19; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A2035; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: A5CEC9A7-7798-569F-9D47-4CB362CA1FC5
- f. scientificName: *Hylaeus (Paraprosopis) taeniolatus* Förster, 1871; order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Paraprosopis*; specificEpithet: *taeniolatus*; scientificNameAuthorship: Förster, 1871; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.840256; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-29; individualCount: 2; sex: 1 male, 1 female; lifeStage: adult;

catalogNumber: A0557, A0580; recordedBy: L. Fortini; identifiedBy: M. Mei;  
collectionCode: UR3; occurrenceID: 976DB222-5E67-5EAE-8F1D-45ABB7B4E911

## *Hylaeus tyrolensis* Förster, 1871

### Materials

- a. scientificName: *Hylaeus (Hylaeus) tyrolensis* Förster, 1871; order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Hylaeus*; specificEpithet: *tyrolensis*; scientificNameAuthorship: Förster, 1871; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.831652; decimalLongitude: 12.399993; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-01; individualCount: 6; sex: 3 males, 3 females; lifeStage: adult; catalogNumber: A0492, A0502, A0503, A0518, A0523, A0522; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 08AF274E-5F30-54CE-B950-509B31B553C4
- b. scientificName: *Hylaeus (Hylaeus) tyrolensis* Förster, 1871; order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Hylaeus*; specificEpithet: *tyrolensis*; scientificNameAuthorship: Förster, 1871; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.892841; decimalLongitude: 12.399320; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-10; individualCount: 2; sex: 1 male, 1 female; lifeStage: adult; catalogNumber: A0526, A0538; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: A7609DC3-CFEC-5D09-9276-70BB6FA2CDE2
- c. scientificName: *Hylaeus (Hylaeus) tyrolensis* Förster, 1871; order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Hylaeus*; specificEpithet: *tyrolensis*; scientificNameAuthorship: Förster, 1871; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.862394; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-12; individualCount: 2; sex: males; lifeStage: adult; catalogNumber: A0504, A0534; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 957C01C3-0CA1-500B-A173-749C726ADD98
- d. scientificName: *Hylaeus (Hylaeus) tyrolensis* Förster, 1871; order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Hylaeus*; specificEpithet: *tyrolensis*; scientificNameAuthorship: Förster, 1871; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-18; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0535; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 73D3456A-2793-5E42-A73F-EA1307FBEA38
- e. scientificName: *Hylaeus (Hylaeus) tyrolensis* Förster, 1871; order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Hylaeus*; specificEpithet: *tyrolensis*; scientificNameAuthorship: Förster, 1871; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.938622; decimalLongitude: 12.454622; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-19; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0532; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 05509B17-9253-5029-BCF7-9142D1C69DB7
- f. scientificName: *Hylaeus (Hylaeus) tyrolensis* Förster, 1871; order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Hylaeus*; specificEpithet: *tyrolensis*;

scientificNameAuthorship: Förster, 1871; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.831652; decimalLongitude: 12.399993; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-27; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0545; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 9446DA88-B3E4-5501-A857-FAEBC7005245

## ***Hylaeus variegatus* (Fabricius, 1798)**

### **Materials**

- a. scientificName: *Hylaeus (Prosopis) variegatus* (Fabricius, 1798); order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Prosopis*; specificEpithet: *variegatus*; scientificNameAuthorship: (Fabricius, 1798); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 2; decimalLatitude: 41.959925; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-27; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0483; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 1C1378F7-53E4-5086-8B74-58702EE76582
- b. scientificName: *Hylaeus (Prosopis) variegatus* (Fabricius, 1798); order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Prosopis*; specificEpithet: *variegatus*; scientificNameAuthorship: (Fabricius, 1798); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.862394; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-12; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0484; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: CBEADAE2-5FD7-50E9-88CD-22488556AF0B
- c. scientificName: *Hylaeus (Prosopis) variegatus* (Fabricius, 1798); order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Prosopis*; specificEpithet: *variegatus*; scientificNameAuthorship: (Fabricius, 1798); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.892841; decimalLongitude: 12.399320; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-12; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0542; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: D78813E9-AD56-5324-90E6-BF3743B55948
- d. scientificName: *Hylaeus (Prosopis) variegatus* (Fabricius, 1798); order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Prosopis*; specificEpithet: *variegatus*; scientificNameAuthorship: (Fabricius, 1798); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 2; decimalLatitude: 41.859689; decimalLongitude: 12.435508; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-13; individualCount: 3; sex: males; lifeStage: adult; catalogNumber: A0499, A0508, A0555; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 8013F707-4281-5DC5-A8E5-D8897FBA4A26
- e. scientificName: *Hylaeus (Prosopis) variegatus* (Fabricius, 1798); order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Prosopis*; specificEpithet: *variegatus*; scientificNameAuthorship: (Fabricius, 1798); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.862394; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-22; individualCount: 2; sex: males; lifeStage: adult;

- catalogNumber: A0569, A0577; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 3E376F03-896C-5D52-9A20-43F53E28D5A9
- f. scientificName: *Hylaeus (Prosopis) variegatus* (Fabricius, 1798); order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Prosopis*; specificEpithet: *variegatus*; scientificNameAuthorship: (Fabricius, 1798); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-28; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0482; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: C2AE50C5-A348-502C-8676-D6CBB1D4F8EC
- g. scientificName: *Hylaeus (Prosopis) variegatus* (Fabricius, 1798); order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Prosopis*; specificEpithet: *variegatus*; scientificNameAuthorship: (Fabricius, 1798); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.955505; decimalLongitude: 12.429232; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-30; individualCount: 4; sex: 1 male, 3 females; lifeStage: adult; catalogNumber: A0485, A0487, A0529, A0561; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 4E516013-8197-57EA-8029-2286ED6FB5E4
- h. scientificName: *Hylaeus (Prosopis) variegatus* (Fabricius, 1798); order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Prosopis*; specificEpithet: *variegatus*; scientificNameAuthorship: (Fabricius, 1798); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.840256; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-06; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A2090, A2091; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: D157C54E-1BA5-5132-9CFD-2DF1ECA4E7A1
- i. scientificName: *Hylaeus (Prosopis) variegatus* (Fabricius, 1798); order: Hymenoptera; family: Colletidae; genus: *Hylaeus*; subgenus: *Prosopis*; specificEpithet: *variegatus*; scientificNameAuthorship: (Fabricius, 1798); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-09-18; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0486; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: A154E1D8-2F3A-599D-BE6F-54E9389D0201

## Halictidae Thomson, 1869

### *Halictus compressus* (Walckenaer, 1802)

#### Materials

- a. scientificName: *Halictus (Halictus) compressus* (Walckenaer, 1802); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Halictus*; specificEpithet: *compressus*; scientificNameAuthorship: (Walckenaer, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-12; individualCount: 1; sex: female; lifeStage: adult;

- catalogNumber: A1810; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: D9219092-42C2-5C89-9A74-AB70D03A6203
- b. scientificName: *Halictus (Halictus) compressus* (Walckenaer, 1802); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Halictus*; specificEpithet: *compressus*; scientificNameAuthorship: (Walckenaer, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-10; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1811; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 63C3F341-532A-5BD8-963C-05A05C8F520A
- c. scientificName: *Halictus (Halictus) compressus* (Walckenaer); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Halictus*; specificEpithet: *compressus*; scientificNameAuthorship: (Walckenaer, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-22; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1618; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: CCBC2B34-A6EB-5823-95CF-B0634FBCB3F5
- d. scientificName: *Halictus (Halictus) compressus* (Walckenaer, 1802); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Halictus*; specificEpithet: *compressus*; scientificNameAuthorship: (Walckenaer, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 3; decimalLatitude: 41.8298456; decimalLongitude: 12.5432538; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-24; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1749; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 24515066-5819-5C4E-8AE1-A2C04C97ADCB
- e. scientificName: *Halictus (Halictus) compressus* (Walckenaer, 1802); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Halictus*; specificEpithet: *compressus*; scientificNameAuthorship: (Walckenaer, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-01; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1736; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: E97F8FD3-6623-5D12-8F43-E1E6EA622D4C
- f. scientificName: *Halictus (Halictus) compressus* (Walckenaer, 1802); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Halictus*; specificEpithet: *compressus*; scientificNameAuthorship: (Walckenaer, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 2; decimalLatitude: 41.8596887; decimalLongitude: 12.4355075; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-13; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1697, A1709; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 18C07C73-FEEF-5509-8EDD-5CFCA2CC75BA

## *Halictus fulvipes* (Klug, 1817)

### Materials

- a. scientificName: *Halictus (Hexataenites) fulvipes* (Klug, 1817); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *fulvipes*; scientificNameAuthorship: (Klug, 1817); country: Italy; countryCode: IT; stateProvince:

- Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-10; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1717; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: FA60154E-3DF6-553D-9B56-11D1EE08D4B2
- b. scientificName: *Halictus (Hexataenites) fulvipes* (Klug, 1817); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *fulvipes*; scientificNameAuthorship: (Klug, 1817); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-12; individualCount: 5; sex: females; lifeStage: adult; catalogNumber: A1698, A1699, A1700, A1706, A1728; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 02A6A71C-DE9C-5C9C-B273-44ACF98F283F
- c. scientificName: *Halictus (Hexataenites) fulvipes* (Klug, 1817); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *fulvipes*; scientificNameAuthorship: (Klug, 1817); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-25; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1614; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: DB99C4D5-1FAC-513C-AD33-9A559EE1FA35
- d. scientificName: *Halictus (Hexataenites) fulvipes* (Klug, 1817); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *fulvipes*; scientificNameAuthorship: (Klug, 1817); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-22; individualCount: 3; sex: females; lifeStage: adult; catalogNumber: A1616, A1701, A1704; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 19BE8098-5106-5E85-B3DF-F2FCE630F46B
- e. scientificName: *Halictus (Hexataenites) fulvipes* (Klug, 1817); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *fulvipes*; scientificNameAuthorship: (Klug, 1817); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-30; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1703; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: EF4FAEFE-BCBD-5F02-A4EA-BA5C78E1A73A
- f. scientificName: *Halictus (Hexataenites) fulvipes* (Klug, 1817); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *fulvipes*; scientificNameAuthorship: (Klug, 1817); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-24; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1713; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: E8978C18-B71D-5C3C-AC43-8C947FAB3002
- g. scientificName: *Halictus (Hexataenites) fulvipes* (Klug, 1817); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *fulvipes*; scientificNameAuthorship: (Klug, 1817); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude:

- 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-17; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1615, A1720; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 9673BC02-54F8-5B66-BFF8-A2411EEDCE3C
- h. scientificName: *Halictus (Hexataenites) fulvipes* (Klug, 1817); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *fulvipes*; scientificNameAuthorship: (Klug, 1817); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-21; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1702; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 78E1B925-803F-50A3-8739-AAE8A1B2C356
- i. scientificName: *Halictus (Hexataenites) fulvipes* (Klug, 1817); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *fulvipes*; scientificNameAuthorship: (Klug, 1817); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-20; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1718; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: C9D49C51-5A8D-5D28-A98B-654E7CEC08B2
- j. scientificName: *Halictus (Hexataenites) fulvipes* (Klug, 1817); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *fulvipes*; scientificNameAuthorship: (Klug, 1817); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-19; individualCount: 3; sex: females; lifeStage: adult; catalogNumber: A1721, A1731, A1740; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: E9AD5263-07F9-5B1E-9AE9-6FD50D5DE51E
- k. scientificName: *Halictus (Hexataenites) fulvipes* (Klug, 1817); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *fulvipes*; scientificNameAuthorship: (Klug, 1817); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-20; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1741; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 571EA02A-AB5C-5E2C-B4E8-D42730B75347
- l. scientificName: *Halictus (Hexataenites) fulvipes* (Klug, 1817); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *fulvipes*; scientificNameAuthorship: (Klug, 1817); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-23; individualCount: 3; sex: females; lifeStage: adult; catalogNumber: A1714, A1716, A1743; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 318905BC-20C6-5D82-8AAF-25946DCD16DB
- m. scientificName: *Halictus (Hexataenites) fulvipes* (Klug, 1817); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *fulvipes*; scientificNameAuthorship: (Klug, 1817); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-27; individualCount: 3; sex: females; lifeStage: adult;



- catalogNumber: A1710, A1726, A1730; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: B977867E-B227-5AA9-9A10-E1699F8F78D9
- n. scientificName: *Halictus (Hexataenites) fulvipes* (Klug, 1817); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *fulvipes*; scientificNameAuthorship: (Klug, 1817); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-28; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1696, A1707; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 025D6090-5255-57C2-91F4-9BB2630C8B0D
- o. scientificName: *Halictus (Hexataenites) fulvipes* (Klug, 1817); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *fulvipes*; scientificNameAuthorship: (Klug, 1817); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-28; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1617; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 68AF5E42-41E0-55E9-AAAA-B6FBB0002BF8
- p. scientificName: *Halictus (Hexataenites) fulvipes* (Klug, 1817); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *fulvipes*; scientificNameAuthorship: (Klug, 1817); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 1; decimalLatitude: 41.9345179; decimalLongitude: 12.5453096; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-09-04; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1580; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: B8896583-15AF-5015-8D9F-70F5A5437E1B
- q. scientificName: *Halictus (Hexataenites) fulvipes* (Klug, 1817); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *fulvipes*; scientificNameAuthorship: (Klug, 1817); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 1; decimalLatitude: 41.9345179; decimalLongitude: 12.5453096; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-01; individualCount: 5; sex: females; lifeStage: adult; catalogNumber: A1708, A1712, A1725, A1727, A1732; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: E6D534CB-AD7A-57DA-84C4-C2CC6C966557
- r. scientificName: *Halictus (Hexataenites) fulvipes* (Klug, 1817); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *fulvipes*; scientificNameAuthorship: (Klug, 1817); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-01; individualCount: 7; sex: females; lifeStage: adult; catalogNumber: A1722, A1724, A1729, A1737, A1739, A1742, A1746; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: D19FFB73-5761-526A-BF8B-4A347562019C
- s. scientificName: *Halictus (Hexataenites) fulvipes* (Klug, 1817); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *fulvipes*; scientificNameAuthorship: (Klug, 1817); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 2; decimalLatitude: 41.8596887; decimalLongitude: 12.4355075; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-13; individualCount: 2; sex: females; lifeStage: adult;

- catalogNumber: A1563, A1565; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: B19F4BD6-88EB-5D0E-9193-5854804D1C47
- t. scientificName: *Halictus (Hexataenites) fulvipes* (Klug, 1817); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *fulvipes*; scientificNameAuthorship: (Klug, 1817); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-19; individualCount: 4; sex: females; lifeStage: adult;
- catalogNumber: A1976, A1977, A1979, A1981; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 442C63DE-1F22-51DC-8CAF-4F64D6FE6414
- u. scientificName: *Halictus (Hexataenites) fulvipes* (Klug, 1817); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *fulvipes*; scientificNameAuthorship: (Klug, 1817); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-25; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A2023; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: DA6A7FA7-95F1-529F-8D3E-CE5AE3D81FD4
- v. scientificName: *Halictus (Hexataenites) fulvipes* (Klug, 1817); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *fulvipes*; scientificNameAuthorship: (Klug, 1817); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-24; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A2074, A2075; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 1F0E541F-D36E-5B3F-AE33-A9BF0B708871
- w. scientificName: *Halictus (Hexataenites) fulvipes* (Klug, 1817); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *fulvipes*; scientificNameAuthorship: (Klug, 1817); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-06; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A2083; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: F28D9EBF-BAB6-5570-ABA7-68D44CA9A1CD
- x. scientificName: *Halictus (Hexataenites) fulvipes* (Klug, 1817); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *fulvipes*; scientificNameAuthorship: (Klug, 1817); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-03; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A2095; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: B0273DF5-46F5-5742-8FFD-C24E41B9D0A3

## *Halictus maculatus* Smith, 1848

### Materials

- a. scientificName: *Halictus (Protohalictus) maculatus* Smith, 1848; order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Protohalictus*; specificEpithet: *maculatus*; scientificNameAuthorship: Smith, 1848; country: Italy; countryCode: IT; stateProvince:

- Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-12; individualCount: 3; sex: 2 males, 1 female; lifeStage: adult; catalogNumber: A1667, A1669, A1734; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 879C7C46-8C41-54EE-8054-F02D332BD6E9
- b. scientificName: *Halictus (Protohalictus) maculatus* Smith, 1848; order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Protohalictus*; specificEpithet: *maculatus*; scientificNameAuthorship: Smith, 1848; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-24; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1747, A1748; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 5BD93F3A-4415-5A1A-8127-F6ECEA36650E
- c. scientificName: *Halictus (Protohalictus) maculatus* Smith, 1848; order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Protohalictus*; specificEpithet: *maculatus*; scientificNameAuthorship: Smith, 1848; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-01; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1670; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: A2E46AB8-A80A-598D-9C70-2AA6B43D6842
- d. scientificName: *Halictus (Protohalictus) maculatus* Smith, 1848; order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Protohalictus*; specificEpithet: *maculatus*; scientificNameAuthorship: Smith, 1848; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-05; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1738, A1751; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: DDD78A1E-065C-5998-BCF0-CC15C0F204E8
- e. scientificName: *Halictus (Protohalictus) maculatus* Smith, 1848; order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Protohalictus*; specificEpithet: *maculatus*; scientificNameAuthorship: Smith, 1848; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 2; decimalLatitude: 41.8596887; decimalLongitude: 12.4355075; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-13; individualCount: 2; sex: 1 male, 1 female; lifeStage: adult; catalogNumber: A1613, A1668; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: BA24A16D-76F0-578D-BFF7-1EDA95F74D99

## ***Halictus quadricinctus* (Fabricius, 1776)**

### **Materials**

- a. scientificName: *Halictus (Halictus) quadricinctus* (Fabricius, 1776); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Halictus*; specificEpithet: *quadricinctus*; scientificNameAuthorship: (Fabricius, 1776); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-12; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1757, A1760; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: A54C23B6-0164-5490-9B21-5D536B016000

- b. scientificName: *Halictus (Halictus) quadricinctus* (Fabricius, 1776); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Halictus*; specificEpithet: *quadricinctus*; scientificNameAuthorship: (Fabricius, 1776); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 2; decimalLatitude: 41.8596887; decimalLongitude: 12.4355075; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-13; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1765; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: D3E9C7F7-F0A4-582D-9748-8F6B5267ED75
- c. scientificName: *Halictus (Halictus) quadricinctus* (Fabricius, 1776); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Halictus*; specificEpithet: *quadricinctus*; scientificNameAuthorship: (Fabricius, 1776); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-14; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1756; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: B4351BFD-D9CF-51FA-B89A-3ED6009C1E1B
- d. scientificName: *Halictus (Halictus) quadricinctus* (Fabricius, 1776); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Halictus*; specificEpithet: *quadricinctus*; scientificNameAuthorship: (Fabricius, 1776); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 3; decimalLatitude: 41.8298456; decimalLongitude: 12.5432538; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-24; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1755, A1767; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 04F2D612-8599-5DF6-869A-E915EA2FEB9D
- e. scientificName: *Halictus (Halictus) quadricinctus* (Fabricius, 1776); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Halictus*; specificEpithet: *quadricinctus*; scientificNameAuthorship: (Fabricius, 1776); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insuperata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-27; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1758; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: F26CFA49-9696-5D97-860E-AF80BD6EE429
- f. scientificName: *Halictus (Halictus) quadricinctus* (Fabricius, 1776); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Halictus*; specificEpithet: *quadricinctus*; scientificNameAuthorship: (Fabricius, 1776); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insuperata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-27; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1759; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 6B5A2949-70CA-5908-BEBE-5D54757294C0
- g. scientificName: *Halictus (Halictus) quadricinctus* (Fabricius, 1776); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Halictus*; specificEpithet: *quadricinctus*; scientificNameAuthorship: (Fabricius, 1776); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 1; decimalLatitude: 41.9345179; decimalLongitude: 12.5453096; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-01; individualCount: 3; sex: females; lifeStage: adult; catalogNumber: A1761, A1763, A1764; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: EC870984-92F8-59D8-A9FC-A23188D4F78C

- h. scientificName: *Halictus (Halictus) quadricinctus* (Fabricius, 1776); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Halictus*; specificEpithet: *quadricinctus*; scientificNameAuthorship: (Fabricius, 1776); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-01; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1762, A1766; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 1A4042D3-E860-50A4-9EAD-D8DD3EAEB87
- i. scientificName: *Halictus (Halictus) quadricinctus* (Fabricius, 1776); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Halictus*; specificEpithet: *quadricinctus*; scientificNameAuthorship: (Fabricius, 1776); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insuperata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-30; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1666; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 9AF41CB9-E3A3-5883-9A82-C95F49637703
- j. scientificName: *Halictus (Halictus) quadricinctus* (Fabricius, 1776); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Halictus*; specificEpithet: *quadricinctus*; scientificNameAuthorship: (Fabricius, 1776); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-03; individualCount: 2; sex: males; lifeStage: adult; catalogNumber: A2103, A2104; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 9AF1A9C4-E649-563B-A9D0-A5F65F4FB2EB

## *Halictus scabiosae* (Rossi, 1790)

### Materials

- a. scientificName: *Halictus (Hexataenites) scabiosae* (Rossi, 1790); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *scabiosae*; scientificNameAuthorship: (Rossi, 1790); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-10; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1869, A1880; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: E6675EDE-BE72-5D9F-BF13-6D80BDE61885
- b. scientificName: *Halictus (Hexataenites) scabiosae* (Rossi, 1790); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *scabiosae*; scientificNameAuthorship: (Rossi, 1790); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-12; individualCount: 16; sex: 4 males, 12 females; lifeStage: adult; catalogNumber: A1651, A1652, A1654, A1657, A1723, A1824, A1827, A1828, A1831, A1840, A1841, A1844, A1845, A1846, A1901, A1904; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 9CD1A345-C530-52D2-BCC5-D542070A3977
- c. scientificName: *Halictus (Hexataenites) scabiosae* (Rossi, 1790); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *scabiosae*; scientificNameAuthorship: (Rossi, 1790); country: Italy; countryCode: IT; stateProvince:

Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-22; individualCount: 6; sex: 5 males, 1 female; lifeStage: adult; catalogNumber: A1642, A1653, A1656, A1661, A1663, A1814; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 5B3651D1-2DD7-51B2-B3E0-78BC693EB5FD

- d. scientificName: *Halictus* (*Hexataenites*) *scabiosae* (Rossi, 1790); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *scabiosae*; scientificNameAuthorship: (Rossi, 1790); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-12; individualCount: 4; sex: females; lifeStage: adult; catalogNumber: A1865, A1870, A1872, A1886; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: F700A610-8B03-5FE8-9F3F-CFD719A35E72
- e. scientificName: *Halictus* (*Hexataenites*) *scabiosae* (Rossi, 1790); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *scabiosae*; scientificNameAuthorship: (Rossi, 1790); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-24; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1890; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 5A42BD4F-93E4-5F9A-A8CA-82540CB54671
- f. scientificName: *Halictus* (*Hexataenites*) *scabiosae* (Rossi, 1790); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *scabiosae*; scientificNameAuthorship: (Rossi, 1790); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-07; individualCount: 6; sex: females; lifeStage: adult; catalogNumber: A1817, A1842, A1848, A1849, A1858, A1903; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 6B278CD1-3A65-5795-85E0-1A6F27F75466
- g. scientificName: *Halictus* (*Hexataenites*) *scabiosae* (Rossi, 1790); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *scabiosae*; scientificNameAuthorship: (Rossi, 1790); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 3; decimalLatitude: 41.8298456; decimalLongitude: 12.5432538; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-24; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1887; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: CB30EFA3-18A9-5261-B124-61251910D508
- h. scientificName: *Halictus* (*Hexataenites*) *scabiosae* (Rossi, 1790); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *scabiosae*; scientificNameAuthorship: (Rossi, 1790); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-27; individualCount: 2; sex: males; lifeStage: adult; catalogNumber: A1889, A1898; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: A3C9F272-0BDE-5C78-BD51-5E662A5BA63C
- i. scientificName: *Halictus* (*Hexataenites*) *scabiosae* (Rossi, 1790); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *scabiosae*; scientificNameAuthorship: (Rossi, 1790); country: Italy; countryCode: IT; stateProvince:

- Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-24; individualCount: 2; sex: 1 male, 1 female; lifeStage: adult; catalogNumber: A1646, A1879; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 89CB35BA-92D1-5A83-8C67-8B7C1E07E2F8
- j. scientificName: *Halictus* (Hexataenites) *scabiosae* (Rossi, 1790); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *scabiosae*; scientificNameAuthorship: (Rossi, 1790); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-30; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1648; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 0FC0B8BD-3372-5589-8F4C-42FA784422FC
- k. scientificName: *Halictus* (Hexataenites) *scabiosae* (Rossi, 1790); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *scabiosae*; scientificNameAuthorship: (Rossi, 1790); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-30; individualCount: 3; sex: males; lifeStage: adult; catalogNumber: A1647, A1659, A1664; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 8974FE5B-0A5A-5917-BA03-661F29C33B5D
- l. scientificName: *Halictus* (Hexataenites) *scabiosae* (Rossi, 1790); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *scabiosae*; scientificNameAuthorship: (Rossi, 1790); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-30; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1662; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 87E498FC-D9FA-59B9-AB00-4EC18B3C85C0
- m. scientificName: *Halictus* (Hexataenites) *scabiosae* (Rossi, 1790); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *scabiosae*; scientificNameAuthorship: (Rossi, 1790); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-27; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1881; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 0CEA8B29-C167-5E9C-BF87-84BE45AF06B3
- n. scientificName: *Halictus* (Hexataenites) *scabiosae* (Rossi, 1790); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *scabiosae*; scientificNameAuthorship: (Rossi, 1790); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-17; individualCount: 3; sex: females; lifeStage: adult; catalogNumber: A1836, A1838, A1839; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 44B7CBE1-6CD8-55AF-8324-31773F33FF60
- o. scientificName: *Halictus* (Hexataenites) *scabiosae* (Rossi, 1790); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *scabiosae*; scientificNameAuthorship: (Rossi, 1790); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude:

- 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-12; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1882, A1892; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 8E9C73EF-213F-5E1F-9647-A8580AA71A83
- p. scientificName: *Halictus* (*Hexataenites*) *scabiosae* (Rossi, 1790); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *scabiosae*; scientificNameAuthorship: (Rossi, 1790); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-20; individualCount: 8; sex: females; lifeStage: adult; catalogNumber: A1867, A1868, A1894, A1906, A1907, A1910, A1911, A1916; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 51A2B1C8-50DF-5446-9AB2-AD099A512D67
- q. scientificName: *Halictus* (*Hexataenites*) *scabiosae* (Rossi, 1790); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *scabiosae*; scientificNameAuthorship: (Rossi, 1790); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-20; individualCount: 5; sex: females; lifeStage: adult; catalogNumber: A1830, A1866, A1875, A1895, A1896; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: F1DED13B-28F4-5F3B-B6B9-F45691961668
- r. scientificName: *Halictus* (*Hexataenites*) *scabiosae* (Rossi, 1790); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *scabiosae*; scientificNameAuthorship: (Rossi, 1790); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-19; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1850; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 031AE32D-F953-5190-A5FA-098EC4CE5D1E
- s. scientificName: *Halictus* (*Hexataenites*) *scabiosae* (Rossi, 1790); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *scabiosae*; scientificNameAuthorship: (Rossi, 1790); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-23; individualCount: 9; sex: females; lifeStage: adult; catalogNumber: A1883, A1884, A1885, A1891, A1897, A1899, A1908, A1912, A1914; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 26203007-ABE7-5326-9801-8CE40270A96F
- t. scientificName: *Halictus* (*Hexataenites*) *scabiosae* (Rossi, 1790); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *scabiosae*; scientificNameAuthorship: (Rossi, 1790); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-27; individualCount: 5; sex: females; lifeStage: adult; catalogNumber: A1835, A1856, A1857, A1861, A1863; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: BE5E8E12-33EB-5573-85B1-3D2B32AF0A9D
- u. scientificName: *Halictus* (*Hexataenites*) *scabiosae* (Rossi, 1790); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *scabiosae*;



- scientificNameAuthorship: (Rossi, 1790); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-01; individualCount: 4; sex: females; lifeStage: adult; catalogNumber: A1874, A1877, A1878, A1888; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: EB4EE296-475C-5979-A234-392B2AA5FC92
- v. scientificName: *Halictus* (*Hexataenites*) *scabiosae* (Rossi, 1790); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *scabiosae*; scientificNameAuthorship: (Rossi, 1790); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-28; individualCount: 7; sex: 2 males, 5 females; lifeStage: adult; catalogNumber: A1658, A1676, A1812, A1820, A1822, A1902, A1905; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 37A48E68-56EF-5D25-8200-111DD64F4B45
- w. scientificName: *Halictus* (*Hexataenites*) *scabiosae* (Rossi, 1790); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *scabiosae*; scientificNameAuthorship: (Rossi, 1790); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-04; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1893; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 9545DA73-EFBB-56BD-BD49-FE2DE9CA0732
- x. scientificName: *Halictus* (*Hexataenites*) *scabiosae* (Rossi, 1790); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *scabiosae*; scientificNameAuthorship: (Rossi, 1790); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 1; decimalLatitude: 41.9345179; decimalLongitude: 12.5453096; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-28; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1909, A1915; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 9DB750CB-9056-5A73-BF60-3F1E2C2554DD
- y. scientificName: *Halictus* (*Hexataenites*) *scabiosae* (Rossi, 1790); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *scabiosae*; scientificNameAuthorship: (Rossi, 1790); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 1; decimalLatitude: 41.9345179; decimalLongitude: 12.5453096; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-01; individualCount: 17; sex: 5 males, 12 females; lifeStage: adult; catalogNumber: A1644, A1650, A1655, A1660, A1665, A1815, A1818, A1823, A1851, A1852, A1853, A1854, A1855, A1859, A1860, A1864, A1900; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: E93B5203-775B-55B6-9170-1B7ABC5067E1
- z. scientificName: *Halictus* (*Hexataenites*) *scabiosae* (Rossi, 1790); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *scabiosae*; scientificNameAuthorship: (Rossi, 1790); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-01; individualCount: 5; sex: females; lifeStage: adult; catalogNumber: A1832, A1834, A1837, A1862, A1873; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: FB502CB0-8D94-5F4E-A638-7DF4EEBAF31B

- aa. scientificName: *Halictus* (Hexataenites) *scabiosae* (Rossi, 1790); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *scabiosae*; scientificNameAuthorship: (Rossi, 1790); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-07; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1913; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 047FA7CF-225B-5211-A358-E92766A11237
- ab. scientificName: *Halictus* (Hexataenites) *scabiosae* (Rossi, 1790); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *scabiosae*; scientificNameAuthorship: (Rossi, 1790); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-18; individualCount: 3; sex: females; lifeStage: adult; catalogNumber: A1649, A1871, A1876; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 23126440-87CF-5C69-A052-27B71BD3FC08
- ac. scientificName: *Halictus* (Hexataenites) *scabiosae* (Rossi, 1790); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *scabiosae*; scientificNameAuthorship: (Rossi, 1790); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-13; individualCount: 3; sex: 2 males, 1 female; lifeStage: adult; catalogNumber: A1643, A1645, A1833; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: B927E666-AA7E-500D-BC81-ACFF4FBA6633
- ad. scientificName: *Halictus* (Hexataenites) *scabiosae* (Rossi, 1790); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *scabiosae*; scientificNameAuthorship: (Rossi, 1790); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 2; decimalLatitude: 41.8596887; decimalLongitude: 12.4355075; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-18; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1813; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 65F8CA46-848B-52D7-AB17-43B51CA49B16
- ae. scientificName: *Halictus* (Hexataenites) *scabiosae* (Rossi, 1790); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *scabiosae*; scientificNameAuthorship: (Rossi, 1790); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 2; decimalLatitude: 41.8596887; decimalLongitude: 12.4355075; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-13; individualCount: 9; sex: females; lifeStage: adult; catalogNumber: A1705, A1816, A1819, A1821, A1825, A1826, A1829, A1843, A1847; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 3C97B979-520B-543F-9E95-ECACA4A6491D
- af. scientificName: *Halictus* (Hexataenites) *scabiosae* (Rossi, 1790); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *scabiosae*; scientificNameAuthorship: (Rossi, 1790); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-19; individualCount: 3; sex: females; lifeStage: adult; catalogNumber: A1974, A1975, A1980; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 99E4F5DC-A053-56E1-A489-7F274A592F68

- ag. scientificName: *Halictus* (*Hexataenites*) *scabiosae* (Rossi, 1790); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *scabiosae*; scientificNameAuthorship: (Rossi, 1790); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-24; individualCount: 3; sex: 1 male, 2 females; lifeStage: adult; catalogNumber: A2073, A2076, A2077; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: EC50ADC4-2819-5BB4-BD35-85A6FFF17BBC
- ah. scientificName: *Halictus* (*Hexataenites*) *scabiosae* (Rossi, 1790); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *scabiosae*; scientificNameAuthorship: (Rossi, 1790); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-06; individualCount: 4; sex: 2 males, 2 females; lifeStage: adult; catalogNumber: A2085, A2086, A2087, A2088; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: E1AA37B1-C5D8-5DF7-9498-92C1228388E5
- ai. scientificName: *Halictus* (*Hexataenites*) *scabiosae* (Rossi, 1790); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *scabiosae*; scientificNameAuthorship: (Rossi, 1790); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 1; decimalLatitude: 41.9345179; decimalLongitude: 12.5453096; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-03; individualCount: 3; sex: 1 male, 2 females; lifeStage: adult; catalogNumber: A2092, A2093, A2094; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 0ECB8F25-099E-5626-96E4-D8FF44580690
- aj. scientificName: *Halictus* (*Hexataenites*) *scabiosae* (Rossi, 1790); order: Hymenoptera; family: Halictidae; genus: *Halictus*; subgenus: *Hexataenites*; specificEpithet: *scabiosae*; scientificNameAuthorship: (Rossi, 1790); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-03; individualCount: 3; sex: 1 male, 2 females; lifeStage: adult; catalogNumber: A2123, A2124, A2137; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: BC02EA3B-99FC-56A9-9077-B3DFBB974F9B

## *Lasioglossum albocinctum* (Lucas, 1849)

### Materials

- a. scientificName: *Lasioglossum* (*Leuchalictus*) *albocinctum* (Lucas, 1849); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Leuchalictus*; specificEpithet: *albocinctum*; scientificNameAuthorship: (Lucas, 1849); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-12; individualCount: 2; sex: 1 male, 1 female; lifeStage: adult; catalogNumber: A1638, A1771; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: C09C5934-6CA4-5C25-BA96-759DD174CD8C
- b. scientificName: *Lasioglossum* (*Leuchalictus*) *albocinctum* (Lucas, 1849); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Leuchalictus*; specificEpithet: *albocinctum*; scientificNameAuthorship: (Lucas, 1849); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda;

- decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-10; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1777; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: B144129E-5D62-50EE-9175-3BDF698BF0AA
- c. scientificName: *Lasioglossum (Leuchalictus) albocinctum* (Lucas, 1849); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Leuchalictus*; specificEpithet: *albocinctum*; scientificNameAuthorship: (Lucas, 1849); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-30; individualCount: 2; sex: 1 male, 1 female; lifeStage: adult; catalogNumber: A1636, A1776; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: E2AA1525-E7D5-52AB-9E9B-3DBB92F3A421
- d. scientificName: *Lasioglossum (Leuchalictus) albocinctum* (Lucas, 1849); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Leuchalictus*; specificEpithet: *albocinctum*; scientificNameAuthorship: (Lucas, 1849); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-09-01; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1779; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 92CF26C4-E8E2-559D-8172-0CFA2F4ED30F
- e. scientificName: *Lasioglossum (Leuchalictus) albocinctum* (Lucas, 1849); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Leuchalictus*; specificEpithet: *albocinctum*; scientificNameAuthorship: (Lucas, 1849); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-24; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1780; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: EFF872B6-9682-52EF-8950-FC6F03FC3598
- f. scientificName: *Lasioglossum (Leuchalictus) albocinctum* (Lucas, 1849); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Leuchalictus*; specificEpithet: *albocinctum*; scientificNameAuthorship: (Lucas, 1849); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-21; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1769; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 0531753C-B4E6-52CB-9BC8-B395BD6C52D5
- g. scientificName: *Lasioglossum (Leuchalictus) albocinctum* (Lucas, 1849); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Leuchalictus*; specificEpithet: *albocinctum*; scientificNameAuthorship: (Lucas, 1849); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-19; individualCount: 3; sex: females; lifeStage: adult; catalogNumber: A1773, A1774, A1782; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: C13430FE-0F61-555B-A071-626217D82C49
- h. scientificName: *Lasioglossum (Leuchalictus) albocinctum* (Lucas, 1849); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Leuchalictus*; specificEpithet: *albocinctum*; scientificNameAuthorship: (Lucas, 1849); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario;

- decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-20; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1778; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: DCE7DEA5-F0C7-539F-A1DF-6448906E5A50
- i. scientificName: *Lasioglossum (Leuchalictus) albocinctum* (Lucas, 1849); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Leuchalictus*; specificEpithet: *albocinctum*; scientificNameAuthorship: (Lucas, 1849); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-28; individualCount: 4; sex: 3 males, 1 female; lifeStage: adult; catalogNumber: A1634, A1639, A1640, A1768; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: F17DD5A6-AB1F-5232-83FC-ED016182E11A
- j. scientificName: *Lasioglossum (Leuchalictus) albocinctum* (Lucas, 1849); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Leuchalictus*; specificEpithet: *albocinctum*; scientificNameAuthorship: (Lucas, 1849); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-27; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1785; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 5857111B-F271-5FCD-901C-F96BF3896BC2
- k. scientificName: *Lasioglossum (Leuchalictus) albocinctum* (Lucas, 1849); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Leuchalictus*; specificEpithet: *albocinctum*; scientificNameAuthorship: (Lucas, 1849); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 1; decimalLatitude: 41.9345179; decimalLongitude: 12.5453096; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-01; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1775; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: DFC31F53-08B5-544F-90B5-BB7C65E7C578
- l. scientificName: *Lasioglossum (Leuchalictus) albocinctum* (Lucas, 1849); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Leuchalictus*; specificEpithet: *albocinctum*; scientificNameAuthorship: (Lucas, 1849); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-05; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1781, A1783; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 0C9DD0F8-E943-5FDF-978E-4108456F3EC5
- m. scientificName: *Lasioglossum (Leuchalictus) albocinctum* (Lucas, 1849); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Leuchalictus*; specificEpithet: *albocinctum*; scientificNameAuthorship: (Lucas, 1849); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-01; individualCount: 3; sex: males; lifeStage: adult; catalogNumber: A1633, A1635, A1637; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: C1040239-9523-5852-B410-019F9AD4E7A0
- n. scientificName: *Lasioglossum (Leuchalictus) albocinctum* (Lucas, 1849); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Leuchalictus*; specificEpithet: *albocinctum*; scientificNameAuthorship: (Lucas, 1849); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 2;

- decimalLatitude: 41.8596887; decimalLongitude: 12.4355075; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-13; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1770; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: DBE8DD1C-7B06-5577-B075-C57BC93E3AC3
- o. scientificName: *Lasioglossum (Leuchalictus) albocinctum* (Lucas, 1849); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Leuchalictus*; specificEpithet: *albocinctum*; scientificNameAuthorship: (Lucas, 1849); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 2; decimalLatitude: 41.8596887; decimalLongitude: 12.4355075; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-14; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1772; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 1AA9C545-6C21-52CF-96A5-DC1E154751A4
- p. scientificName: *Lasioglossum (Leuchalictus) albocinctum* (Lucas, 1849); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Leuchalictus*; specificEpithet: *albocinctum*; scientificNameAuthorship: (Lucas, 1849); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-14; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1784; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 5D3A0698-E01C-55C8-868E-39425DF3D1BB
- q. scientificName: *Lasioglossum (Leuchalictus) albocinctum* (Lucas, 1849); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Leuchalictus*; specificEpithet: *albocinctum*; scientificNameAuthorship: (Lucas, 1849); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-06; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A2078; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 354015E3-A413-50AA-9FA1-198919C937D2

## *Lasioglossum brevicorne* (Schenck, 1868)

### Materials

- a. scientificName: *Lasioglossum (Hemihalictus) brevicorne* (Schenck, 1868); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *brevicorne*; scientificNameAuthorship: (Schenck, 1868); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-16; individualCount: 2; sex: 1 male, 1 female; lifeStage: adult; catalogNumber: A1363, A1365; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 24E81313-0B0D-5CDA-8B79-B374CB7C7E92
- b. scientificName: *Lasioglossum (Hemihalictus) brevicorne* (Schenck, 1868); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *brevicorne*; scientificNameAuthorship: (Schenck, 1868); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-09-18; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1557; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: A5187911-685E-5B64-A995-8F74C4FA2A28

***Lasioglossum corvinum* (Morawitz, 1877)****Materials**

- a. scientificName: *Lasioglossum (Hemihalictus) corvinum* (Morawitz, 1877); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *corvinum*; scientificNameAuthorship: (Morawitz, 1877); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-14; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1262; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 06819FCC-A859-5C36-AAE0-9329B8F283BC
- b. scientificName: *Lasioglossum (Hemihalictus) corvinum* (Morawitz, 1877); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *corvinum*; scientificNameAuthorship: (Morawitz, 1877); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-24; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1368; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 14FDE5F3-5A43-5E89-A9DC-9AD6F3477C07
- c. scientificName: *Lasioglossum (Hemihalictus) corvinum* (Morawitz, 1877); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *corvinum*; scientificNameAuthorship: (Morawitz, 1877); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-27; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1394; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 6DA11A98-CA4B-5859-819B-391DF0E86A3F
- d. scientificName: *Lasioglossum (Hemihalictus) corvinum* (Morawitz, 1877); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *corvinum*; scientificNameAuthorship: (Morawitz, 1877); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-27; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1447; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: D3162EAE-B385-53AD-BE74-41AC35B01FCF

***Lasioglossum crassepunctatum* (Blüthgen, 1923)****Material**

- a. scientificName: *Lasioglossum (Hemihalictus) crassepunctatum* (Blüthgen, 1923); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *crassepunctatum*; scientificNameAuthorship: (Blüthgen, 1923); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-27; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1693; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 5BFE3DB1-AA1E-544C-A181-B9BC60A02731

## *Lasioglossum griseolum* (Morawitz, 1872)

### Materials

- a. scientificName: *Lasioglossum (Hemihalictus) griseolum* (Morawitz, 1872); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *griseolum*; scientificNameAuthorship: (Morawitz, 1872); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-15; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1279; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 424DAC64-F04D-5A14-AE84-5486AA8E6224
- b. scientificName: *Lasioglossum (Hemihalictus) griseolum* (Morawitz, 1872); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *griseolum*; scientificNameAuthorship: (Morawitz, 1872); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-05; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1389; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 630ACA09-909D-51FA-ABF3-B584891F96DE
- c. scientificName: *Lasioglossum (Hemihalictus) griseolum* (Morawitz, 1872); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *griseolum*; scientificNameAuthorship: (Morawitz, 1872); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-07; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1430; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 2CA29805-FBDF-5D5E-B4F5-A2FEC3B85F26
- d. scientificName: *Lasioglossum (Hemihalictus) griseolum* (Morawitz, 1872); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *griseolum*; scientificNameAuthorship: (Morawitz, 1872); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-12; individualCount: 2; sex: males; lifeStage: adult; catalogNumber: A1485, A1583; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 4A7297D0-F8F0-533E-9591-3866CBB465B6

## *Lasioglossum glabriusculum* (Morawitz, 1872)

### Materials

- a. scientificName: *Lasioglossum (Pygmalictus) glabriusculum* (Morawitz, 1872); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Pygmalictus*; specificEpithet: *glabriusculum*; scientificNameAuthorship: (Morawitz, 1872); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-30; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1515; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 8DDFAA1B-0E3C-5D19-85AC-0B6A09CA3CBE



- b. scientificName: *Lasioglossum* (*Pygmalictus*) *glabrisculum* (Morawitz, 1872); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Pygmalictus*; specificEpithet: *glabrisculum*; scientificNameAuthorship: (Morawitz, 1872); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-03; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A2134; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 6698B32D-2D99-5524-BAF4-8E012BA5FBF2

## *Lasioglossum interruptum* (Panzer, 1798)

### Materials

- a. scientificName: *Lasioglossum* (*Sphecodogastra*) *interruptum* (Panzer, 1798); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *interruptum*; scientificNameAuthorship: (Panzer, 1798); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-28; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1274, A1277; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: D0C6ABF4-0C71-5C32-B9D7-B5E47684E584
- b. scientificName: *Lasioglossum* (*Sphecodogastra*) *interruptum* (Panzer, 1798); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *interruptum*; scientificNameAuthorship: (Panzer, 1798); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-23; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1287; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 7322F9A6-3E8A-55D3-83E1-0ABA7CF4C215
- c. scientificName: *Lasioglossum* (*Sphecodogastra*) *interruptum* (Panzer, 1798); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *interruptum*; scientificNameAuthorship: (Panzer, 1798); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-10; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1358; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 9307C1DF-1088-572C-B9A1-6109DAAA90D4
- d. scientificName: *Lasioglossum* (*Sphecodogastra*) *interruptum* (Panzer, 1798); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *interruptum*; scientificNameAuthorship: (Panzer, 1798); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 2; decimalLatitude: 41.8596887; decimalLongitude: 12.4355075; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-18; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1375; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: A2E7F6F5-9A5B-5E5B-AA14-992FEA775163
- e. scientificName: *Lasioglossum* (*Sphecodogastra*) *interruptum* (Panzer, 1798); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *interruptum*; scientificNameAuthorship: (Panzer, 1798); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84;

coordinatePrecision: 0.0002; eventDate: 2022-06-01; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1385; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: B26A3A3F-DBB6-5E36-B922-164D80846E60

### ***Lasioglossum lativentre* (Schenck, 1853)**

#### **Material**

- a. scientificName: *Lasioglossum (Lasioglossum) lativentre* (Schenck, 1853); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Lasioglossum*; specificEpithet: *lativentre*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 1; decimalLatitude: 41.9345179; decimalLongitude: 12.5453096; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-28; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1576, A1578; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: E3141B4C-8C0F-5129-81C4-300B0BD1CAB9

### ***Lasioglossum leucozonium* (Schrank, 1781)**

#### **Materials**

- a. scientificName: *Lasioglossum (Leuchalictus) leucozonium* (Schrank, 1781); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Leuchalictus*; specificEpithet: *leucozonium*; scientificNameAuthorship: (Schrank, 1781); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-15; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1588; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: E740C137-52BA-585C-B5CC-284F355690DB
- b. scientificName: *Lasioglossum (Leuchalictus) leucozonium* (Schrank, 1781); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Leuchalictus*; specificEpithet: *leucozonium*; scientificNameAuthorship: (Schrank, 1781); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-20; individualCount: 4; sex: females; lifeStage: adult; catalogNumber: A1336, A1338, A1524, A1711; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: F94B9D0A-7966-5693-8508-28BF9A2D56ED
- c. scientificName: *Lasioglossum (Leuchalictus) leucozonium* (Schrank, 1781); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Leuchalictus*; specificEpithet: *leucozonium*; scientificNameAuthorship: (Schrank, 1781); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-27; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1386; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 17045F4C-7607-5C7B-86DA-3C04DB99C629
- d. scientificName: *Lasioglossum (Leuchalictus) leucozonium* (Schrank, 1781); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Leuchalictus*; specificEpithet: *leucozonium*; scientificNameAuthorship: (Schrank, 1781); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1;

- decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-24; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1745; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 18CECC98-891B-5D35-B3D2-C55769B68DDB
- e. scientificName: *Lasioglossum (Leuchalictus) leucozonium* (Schrank, 1781); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Leuchalictus*; specificEpithet: *leucozonium*; scientificNameAuthorship: (Schrank, 1781); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-07; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1629; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: E66E6CF3-E0BF-54E8-BA7E-4054D73EE1B4
- f. scientificName: *Lasioglossum (Leuchalictus) leucozonium* (Schrank, 1781); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Leuchalictus*; specificEpithet: *leucozonium*; scientificNameAuthorship: (Schrank, 1781); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-12; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1562; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: F10FDF7A-1AF5-5959-A217-550608A0AC23
- g. scientificName: *Lasioglossum (Leuchalictus) leucozonium* (Schrank, 1781); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Leuchalictus*; specificEpithet: *leucozonium*; scientificNameAuthorship: (Schrank, 1781); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 2; decimalLatitude: 41.8596887; decimalLongitude: 12.4355075; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-13; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1526; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: EBD3049A-034B-54F2-9C5A-D4A745B40CA4
- h. scientificName: *Lasioglossum (Leuchalictus) leucozonium* (Schrank, 1781); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Leuchalictus*; specificEpithet: *leucozonium*; scientificNameAuthorship: (Schrank, 1781); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-17; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1733; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: F2372C1B-F7F5-56C7-8BA2-7EBE7599FE41
- i. scientificName: *Lasioglossum (Leuchalictus) leucozonium* (Schrank, 1781); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Leuchalictus*; specificEpithet: *leucozonium*; scientificNameAuthorship: (Schrank, 1781); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-06; individualCount: 2; sex: males; lifeStage: adult; catalogNumber: A1628, A1675; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 444F0426-8B8A-57D8-B218-7EE3660F5D09
- j. scientificName: *Lasioglossum (Leuchalictus) leucozonium* (Schrank, 1781); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Leuchalictus*; specificEpithet: *leucozonium*; scientificNameAuthorship: (Schrank, 1781); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-23; individualCount: 1; sex: female;

- lifeStage: adult; catalogNumber: A1612; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 296D4F52-6A3F-5EF3-9F3D-1EAD433D3D09
- k. scientificName: *Lasioglossum (Leuchalictus) leucozonium* (Schrank, 1781); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Leuchalictus*; specificEpithet: *leucozonium*; scientificNameAuthorship: (Schrank, 1781); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-09-14; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1579; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 97AD7EC4-E936-5430-AAA9-AC53F9AEB108
- l. scientificName: *Lasioglossum (Leuchalictus) leucozonium* (Schrank, 1781); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Leuchalictus*; specificEpithet: *leucozonium*; scientificNameAuthorship: (Schrank, 1781); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-09-18; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1630; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: D44E9049-13E8-5F94-AAE9-1783C2756684

## *Lasioglossum malachurum* (Kirby, 1802)

### Materials

- a. scientificName: *Lasioglossum (Sphecodogastra) malachurum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *malachurum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-10; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1353, A1360; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 02085284-D366-5FD7-A626-808C9BBA8DA2
- b. scientificName: *Lasioglossum (Sphecodogastra) malachurum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *malachurum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-13; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1735; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 43C212B5-0E47-51C7-91ED-F534E3B5D94F
- c. scientificName: *Lasioglossum (Sphecodogastra) malachurum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *malachurum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-12; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1673; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 216D86BB-5935-585A-9EDC-115A0F332F79
- d. scientificName: *Lasioglossum (Sphecodogastra) malachurum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *malachurum*; scientificNameAuthorship: (Kirby, 1802); country: Italy;

- countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-12; individualCount: 5; sex: females; lifeStage: adult; catalogNumber: A1346, A1347, A1348, A1350, A1362; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: CA8B371D-304F-566D-A249-9DB1C75F31A9
- e. scientificName: *Lasioglossum* (Sphecodogastra) *malachurum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *malachurum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-22; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1491; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 59D64A4F-3279-50A0-B87C-0B9C7A5ABE13
- f. scientificName: *Lasioglossum* (Sphecodogastra) *malachurum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *malachurum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-24; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1264, A1410; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: C039FF85-1EDD-595F-8D1C-77464D0B01FA
- g. scientificName: *Lasioglossum* (Sphecodogastra) *malachurum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *malachurum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-07; individualCount: 11; sex: females; lifeStage: adult; catalogNumber: A1414, A1418, A1421, A1423, A1449, A1450, A1457, A1458, A1460, A1461, A1466; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: BF9BD264-9178-515E-962C-27324BCAC97C
- h. scientificName: *Lasioglossum* (Sphecodogastra) *malachurum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *malachurum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-06; individualCount: 3; sex: males; lifeStage: adult; catalogNumber: A1622, A1623, A1624; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 72F2BFFF-1993-5945-A3F7-CE4A4745D73A
- i. scientificName: *Lasioglossum* (Sphecodogastra) *malachurum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *malachurum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 3; decimalLatitude: 41.8298456; decimalLongitude: 12.5432538; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-24; individualCount: 5; sex: females; lifeStage: adult; catalogNumber: A1265, A1266, A1267, A1269, A1270; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: CB941981-3BC3-557E-93C1-3D6C531F1719

- j. scientificName: *Lasioglossum* (Sphecodogastra) *malachurum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *malachurum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insuperata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-24; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1370; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: F12E608A-B2DC-5F3E-A93B-FA2E8A8E590E
- k. scientificName: *Lasioglossum* (Sphecodogastra) *malachurum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *malachurum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insuperata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-15; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1752; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 1ED58D4B-CDFD-5EED-9198-7DBECD6D7423
- l. scientificName: *Lasioglossum* (Sphecodogastra) *malachurum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *malachurum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insuperata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-24; individualCount: 4; sex: females; lifeStage: adult; catalogNumber: A1367, A1417, A1428, A1429; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: CC174DC2-04AA-52A7-B3AC-3B6EB5162422
- m. scientificName: *Lasioglossum* (Sphecodogastra) *malachurum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *malachurum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insuperata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-27; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1392; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 2E70FF16-0858-5CAF-A713-2B5E8AF0948C
- n. scientificName: *Lasioglossum* (Sphecodogastra) *malachurum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *malachurum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-12; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1245; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 71D4F48D-C958-5877-A9B3-E7D1BED6E94F
- o. scientificName: *Lasioglossum* (Sphecodogastra) *malachurum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *malachurum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-20; individualCount: 7; sex: females; lifeStage: adult; catalogNumber: A1268, A1271, A1323, A1329, A1334, A1335, A1339; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: A9F0D8E6-BAC4-5441-BE20-426A8BCFA230

- p. scientificName: *Lasioglossum* (Sphecodogastra) *malachurum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *malachurum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-19; individualCount: 6; sex: females; lifeStage: adult; catalogNumber: A1416, A1419, A1420, A1422, A1424, A1426; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: B380AA6F-0811-5BC5-8226-4C275304D7DB
- q. scientificName: *Lasioglossum* (Sphecodogastra) *malachurum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *malachurum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-23; individualCount: 9; sex: females; lifeStage: adult; catalogNumber: A1292, A1295, A1296, A1298, A1299, A1303, A1311, A1313, A1314; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 91965303-B073-57C9-A8E0-46B7837AC9DD
- r. scientificName: *Lasioglossum* (Sphecodogastra) *malachurum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *malachurum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-27; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1415, A1427; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 1004B092-99F6-532E-9B30-BAD78FF93620
- s. scientificName: *Lasioglossum* (Sphecodogastra) *malachurum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *malachurum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-28; individualCount: 5; sex: 1 male, 4 females; lifeStage: adult; catalogNumber: A1471, A1472, A1473, A1548, A1620; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: E37697B2-BC2E-5BA9-9C3C-315C9B0D4725
- t. scientificName: *Lasioglossum* (Sphecodogastra) *malachurum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *malachurum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-05; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1351; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 519F8B5A-7538-5AB0-973B-BDAD362FEE2C
- u. scientificName: *Lasioglossum* (Sphecodogastra) *malachurum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *malachurum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-01; individualCount: 3; sex: females; lifeStage: adult; catalogNumber: A1413, A1425, A1435; recordedBy: L. Fortini;

- identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 1AD0F3B3-5D2E-584A-A221-9FC9BC0A8358
- v. scientificName: *Lasioglossum* (Sphecodogastra) *malachurum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *malachurum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-07; individualCount: 3; sex: females; lifeStage: adult; catalogNumber: A1248, A1288, A1525; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 52D77D85-B8B3-5044-8750-7448254DCC9D
- w. scientificName: *Lasioglossum* (Sphecodogastra) *malachurum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *malachurum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 2; decimalLatitude: 41.8596887; decimalLongitude: 12.4355075; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-10; individualCount: 8; sex: females; lifeStage: adult; catalogNumber: A1246, A1291, A1300, A1302, A1306, A1308, A1310, A1750; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: A80A855A-4B98-5CDB-AA72-513444FB777D
- x. scientificName: *Lasioglossum* (Sphecodogastra) *malachurum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *malachurum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 2; decimalLatitude: 41.8596887; decimalLongitude: 12.4355075; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-18; individualCount: 7; sex: females; lifeStage: adult; catalogNumber: A1364, A1366, A1371, A1373, A1374, A1377, A1378; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 8B590BBB-D8B6-5B38-9E80-4ED59F872F3A
- y. scientificName: *Lasioglossum* (Sphecodogastra) *malachurum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *malachurum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 2; decimalLatitude: 41.8596887; decimalLongitude: 12.4355075; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-13; individualCount: 8; sex: females; lifeStage: adult; catalogNumber: A1476, A1477, A1478, A1480, A1486, A1487, A1489, A1490; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: DE52F378-67DE-553D-8239-E72E8ED874E9
- z. scientificName: *Lasioglossum* (Sphecodogastra) *malachurum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *malachurum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-24; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A2069, A2070; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 42690B56-EA31-5610-8E6A-43E279C40C02
- aa. scientificName: *Lasioglossum* (Sphecodogastra) *malachurum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *malachurum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2;



decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-06; individualCount: 2; sex: 1 male, 1 female; lifeStage: adult; catalogNumber: A2082, A2084; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: AC50F90D-0142-59F4-AE23-3F2347FC556E

- ab. scientificName: *Lasioglossum* (Sphecodogastra) *malachurum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *malachurum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 1; decimalLatitude: 41.9345179; decimalLongitude: 12.5453096; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-03; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A2100, A2101; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 607DA092-9E8B-5723-8E76-D48084928E72
- ac. scientificName: *Lasioglossum* (Sphecodogastra) *malachurum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *malachurum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-03; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A2119, A2120; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: C18471C7-A8CA-5D99-80FE-93585E868737

## *Lasioglossum medinai* (Vachal, 1895)

### Materials

- a. scientificName: *Lasioglossum* (Hemihalictus) *medinai* (Vachal, 1895); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *medinai*; scientificNameAuthorship: (Vachal, 1895); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-07; individualCount: 4; sex: females; lifeStage: adult; catalogNumber: A1247, A1290, A1301, A1304; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 783DC9E1-B077-5876-94EE-CF25E4AF86C8
- b. scientificName: *Lasioglossum* (Hemihalictus) *medinai* (Vachal, 1895); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *medinai*; scientificNameAuthorship: (Vachal, 1895); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 2; decimalLatitude: 41.8596887; decimalLongitude: 12.4355075; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-10; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1289; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: E91ED72A-C1DA-53DD-ADE5-FA8A8BEF8C84
- c. scientificName: *Lasioglossum* (Hemihalictus) *medinai* (Vachal, 1895); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *medinai*; scientificNameAuthorship: (Vachal, 1895); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-15; individualCount: 4; sex: females; lifeStage: adult; catalogNumber: A1278, A1283, A1384, A1484; recordedBy: L. Fortini;

- identifiedBy: M. Mei; collectionID: UR3; occurrenceID: CDF05B58-3270-5058-BAD8-8D9EA4D062F6
- d. scientificName: *Lasioglossum* (Hemihalictus) *medinai* (Vachal, 1895); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *medinai*; scientificNameAuthorship: (Vachal, 1895); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-20; individualCount: 5; sex: females; lifeStage: adult; catalogNumber: A1318, A1322, A1324, A1326, A1328; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 892B47AC-A37B-58F5-BD6C-BB9882F66A8E
- e. scientificName: *Lasioglossum* (Hemihalictus) *medinai* (Vachal, 1895); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *medinai*; scientificNameAuthorship: (Vachal, 1895); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-04; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1319; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 02E1F4E6-EF9D-579A-BFEE-2D4DDEE606BD
- f. scientificName: *Lasioglossum* (Hemihalictus) *medinai* (Vachal, 1895); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *medinai*; scientificNameAuthorship: (Vachal, 1895); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-01; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1398, A1400; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: A028D99E-CF3F-5A3E-A8ED-DCCDEA41DCC5
- g. scientificName: *Lasioglossum* (Hemihalictus) *medinai* (Vachal, 1895); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *medinai*; scientificNameAuthorship: (Vachal, 1895); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-10; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0683; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 63CA61A6-30AD-587B-B941-8B7EE4598DE8
- h. scientificName: *Lasioglossum* (Hemihalictus) *medinai* (Vachal, 1895); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *medinai*; scientificNameAuthorship: (Vachal, 1895); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-27; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1445; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 7682C23D-3D96-5975-BB5D-E40D6305BF03
- i. scientificName: *Lasioglossum* (Hemihalictus) *medinai* (Vachal, 1895); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *medinai*; scientificNameAuthorship: (Vachal, 1895); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-01; individualCount: 1; sex: male;

- lifeStage: adult; catalogNumber: A1433; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 340FBBFC-4B8E-5CCC-9B5F-47F98ABC158E
- j. scientificName: *Lasioglossum* (Hemihalictus) *medinai* (Vachal, 1895); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *medinai*; scientificNameAuthorship: (Vachal, 1895); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-07; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1453; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 41761FDA-8400-527E-8629-366EA4B33984
- k. scientificName: *Lasioglossum* (Hemihalictus) *medinai* (Vachal, 1895); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *medinai*; scientificNameAuthorship: (Vachal, 1895); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-12; individualCount: 3; sex: 2 males, 1 female; lifeStage: adult; catalogNumber: A1481, A1586, A1587; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: E23F28A0-20E8-52CC-B0CF-48F6ADC979F4
- l. scientificName: *Lasioglossum* (Hemihalictus) *medinai* (Vachal, 1895); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *medinai*; scientificNameAuthorship: (Vachal, 1895); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 2; decimalLatitude: 41.8596887; decimalLongitude: 12.4355075; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-13; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1566; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: DC4CA4BE-6B7A-5A0C-9452-3BB9C8E35163
- m. scientificName: *Lasioglossum* (Hemihalictus) *medinai* (Vachal, 1895); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *medinai*; scientificNameAuthorship: (Vachal, 1895); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-28; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1470; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 9CD9B6A7-2931-5C70-B32A-3F4A258B4417
- n. scientificName: *Lasioglossum* (Hemihalictus) *medinai* (Vachal, 1895); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *medinai*; scientificNameAuthorship: (Vachal, 1895); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-28; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1537; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 4F02A602-FF8C-5601-8E06-09C0291C5AE9
- o. scientificName: *Lasioglossum* (Hemihalictus) *medinai* (Vachal, 1895); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *medinai*; scientificNameAuthorship: (Vachal, 1895); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-01; individualCount: 1; sex: female;

lifeStage: adult; catalogNumber: A1492; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 4ACC1956-C39B-5057-A4AB-E4D4DA1A15ED

## *Lasioglossum minutissimum* (Kirby, 1802)

### Materials

- a. scientificName: *Lasioglossum (Hemihalictus) minutissimum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *minutissimum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-15; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1282; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: E7E1E90F-C1CC-522C-8F46-18DEE53279F1
- b. scientificName: *Lasioglossum (Hemihalictus) minutissimum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *minutissimum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-17; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1544; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: BEBDE7C8-5788-54F7-AB67-7BCC041389E9

## *Lasioglossum morio* (Fabricius, 1793)

### Materials

- a. scientificName: *Lasioglossum (Dialictus) morio* (Fabricius, 1793); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Dialictus*; specificEpithet: *morio*; scientificNameAuthorship: (Fabricius, 1793); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-17; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1533, A1542; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: AAFA7235-55DB-52BC-86E5-84087C8503F5
- b. scientificName: *Lasioglossum (Dialictus) morio* (Fabricius, 1793); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Dialictus*; specificEpithet: *morio*; scientificNameAuthorship: (Fabricius, 1793); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-30; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A2054; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 1949EAF9-1917-5FA2-BB56-E8EBBC0C5D91

***Lasioglossum nigripes* (Lepeletier, 1841)****Materials**

- a. scientificName: *Lasioglossum (Sphecodogastra) nigripes* (Lepeletier, 1841); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *nigripes*; scientificNameAuthorship: (Lepeletier, 1841); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-12; individualCount: 4; sex: 2 males, 2 females; lifeStage: adult; catalogNumber: A1527, A1631, A1632, A1794; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: FD3D5038-7D71-5A3C-812F-7D661BD537C4
- b. scientificName: *Lasioglossum (Sphecodogastra) nigripes* (Lepeletier, 1841); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *nigripes*; scientificNameAuthorship: (Lepeletier, 1841); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-17; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1805; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: A9C536CD-7453-5F5A-A400-D094B7A62A44
- c. scientificName: *Lasioglossum (Sphecodogastra) nigripes* (Lepeletier, 1841); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *nigripes*; scientificNameAuthorship: (Lepeletier, 1841); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-07; individualCount: 15; sex: females; lifeStage: adult; catalogNumber: A1455, A1465, A1786, A1787, A1788, A1790, A1793, A1798, A1801, A1803, A1804, A1806, A1807, A1808, A1809; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 0CE76511-F160-5212-9372-4C7297A025DF
- d. scientificName: *Lasioglossum (Sphecodogastra) nigripes* (Lepeletier, 1841); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *nigripes*; scientificNameAuthorship: (Lepeletier, 1841); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-06; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1619, A1797; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 158F431A-472D-5AC5-9E1C-C5F15145A124
- e. scientificName: *Lasioglossum (Sphecodogastra) nigripes* (Lepeletier, 1841); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *nigripes*; scientificNameAuthorship: (Lepeletier, 1841); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-24; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1792; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 30D4F179-86F8-58D1-B737-C35C5AC1FB8C
- f. scientificName: *Lasioglossum (Sphecodogastra) nigripes* (Lepeletier, 1841); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *nigripes*; scientificNameAuthorship: (Lepeletier, 1841); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1;

- decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-23; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1715; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: BE08E51C-D879-5D14-8BBF-D725C41C776D
- g. scientificName: *Lasioglossum (Sphecodogastra) nigripes* (Lepeletier, 1841); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *nigripes*; scientificNameAuthorship: (Lepeletier, 1841); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-27; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1791; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 9656E0F7-9432-52D4-BDFA-D7F634BC92C2
- h. scientificName: *Lasioglossum (Sphecodogastra) nigripes* (Lepeletier, 1841); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *nigripes*; scientificNameAuthorship: (Lepeletier, 1841); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-01; individualCount: 5; sex: females; lifeStage: adult; catalogNumber: A1789, A1795, A1799, A1800, A1802; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 44482588-F543-5CCE-8FDF-09308BEC07AB
- i. scientificName: *Lasioglossum (Sphecodogastra) nigripes* (Lepeletier, 1841); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *nigripes*; scientificNameAuthorship: (Lepeletier, 1841); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-09-04; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1796; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 313E833B-D972-55F7-8DF3-BFA305F3E4F4
- j. scientificName: *Lasioglossum (Sphecodogastra) nigripes* (Lepeletier, 1841); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *nigripes*; scientificNameAuthorship: (Lepeletier, 1841); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-03; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A2122, A2128; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 9FC167C1-92D9-549D-865A-67D5938F5A51

## *Lasioglossum nitidulum* (Fabricius, 1804)

### Materials

- a. scientificName: *Lasioglossum (Dialictus) nitidulum* (Fabricius, 1804); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Dialictus*; specificEpithet: *nitidulum*; scientificNameAuthorship: (Fabricius, 1804); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-25; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1561; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: F790C853-3A2D-5024-A268-F2794C3C6C54

- b. scientificName: *Lasioglossum (Dialictus) nitidulum* (Fabricius, 1804); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Dialictus*; specificEpithet: *nitidulum*; scientificNameAuthorship: (Fabricius, 1804); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-19; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A2045; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: A0CE302E-20FB-5CED-8305-F11B344820EF

## ***Lasioglossum pauperatum* (Brullé, 1832)**

### **Materials**

- a. scientificName: *Lasioglossum (Hemihalictus) pauperatum* (Brullé, 1832); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *pauperatum*; scientificNameAuthorship: (Brullé, 1832); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-23; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1316; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 15C91424-BBCC-5627-A226-DB5B28CA12C0
- b. scientificName: *Lasioglossum (Hemihalictus) pauperatum* (Brullé, 1832); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *pauperatum*; scientificNameAuthorship: (Brullé, 1832); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 1; decimalLatitude: 41.9345179; decimalLongitude: 12.5453096; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-28; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1275, A1276; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: AE9D4EDF-F55A-589E-8F4F-7B9E9D94091A
- c. scientificName: *Lasioglossum (Hemihalictus) pauperatum* (Brullé, 1832); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *pauperatum*; scientificNameAuthorship: (Brullé, 1832); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 3; decimalLatitude: 41.8298456; decimalLongitude: 12.5432538; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-24; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1263; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 315F7021-8233-5533-8A52-36E26B39B698
- d. scientificName: *Lasioglossum (Hemihalictus) pauperatum* (Brullé, 1832); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *pauperatum*; scientificNameAuthorship: (Brullé, 1832); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-05; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1356, A1383; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 33F2CB54-1557-529D-9D82-E3270B7F9CF6
- e. scientificName: *Lasioglossum (Hemihalictus) pauperatum* (Brullé, 1832); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *pauperatum*; scientificNameAuthorship: (Brullé, 1832); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84;

- coordinatePrecision: 0.0002; eventDate: 2022-06-10; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1357; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 19144C5C-8EDA-5951-BEED-F4E24B6B3058
- f. scientificName: *Lasioglossum (Hemihalictus) pauperatum* (Brullé, 1832); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *pauperatum*; scientificNameAuthorship: (Brullé, 1832); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-24; individualCount: 1; sex: females; lifeStage: adult; catalogNumber: A1369; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: D1F566EC-80EC-5C9E-A8FE-1206B31C5B7F
- g. scientificName: *Lasioglossum (Hemihalictus) pauperatum* (Brullé, 1832); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *pauperatum*; scientificNameAuthorship: (Brullé, 1832); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 1; decimalLatitude: 41.9345179; decimalLongitude: 12.5453096; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-03; individualCount: 2; sex: males; lifeStage: adult; catalogNumber: A2108, A2109; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 46543982-8E88-5144-B84C-83BA0DFCCA0A
- h. scientificName: *Lasioglossum (Hemihalictus) pauperatum* (Brullé, 1832); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *pauperatum*; scientificNameAuthorship: (Brullé, 1832); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-03; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A2127; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 2B42CE1A-1CA4-54C2-B87A-65A6CE8DFCD1
- i. scientificName: *Lasioglossum (Hemihalictus) pauperatum* (Brullé, 1832); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *pauperatum*; scientificNameAuthorship: (Brullé, 1832); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-21; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1519; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: AD201034-5ACE-5B36-B2B3-230E4A98FE9C

## *Lasioglossum pauxillum* (Schenck, 1853)

### Materials

- a. scientificName: *Lasioglossum (Sphecodogastra) pauxillum* (Schenck, 1853); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *pauxillum*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-07; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1307; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: D2F7DC7E-40C6-5266-845A-9DE0AAA367F9
- b. scientificName: *Lasioglossum (Sphecodogastra) pauxillum* (Schenck, 1853); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*;



- specificEpithet: *pauxillum*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-15; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1281, A1285; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: F3CF213A-9DE8-5344-A6D1-DC8079C4909E
- c. scientificName: *Lasioglossum (Sphecodogastra) pauxillum* (Schenck, 1853); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *pauxillum*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-20; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1317, A1341; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 1CDF111C-49B7-537E-BBD1-88CAAF6DF37F
- d. scientificName: *Lasioglossum (Sphecodogastra) pauxillum* (Schenck, 1853); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *pauxillum*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-23; individualCount: 3; sex: females; lifeStage: adult; catalogNumber: A1297, A1309, A1315; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 1A3B3024-C782-5FD1-8132-CCA628762745
- e. scientificName: *Lasioglossum (Sphecodogastra) pauxillum* (Schenck, 1853); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *pauxillum*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-20; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1327, A1343; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: C9AD1669-19F2-5E20-993C-A61D4740AD30
- f. scientificName: *Lasioglossum (Sphecodogastra) pauxillum* (Schenck, 1853); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *pauxillum*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-24; individualCount: 7; sex: females; lifeStage: adult; catalogNumber: A1249, A1251, A1252, A1253, A1254, A1256, A1259; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 8ED5883F-59F2-515B-90C0-BB119570BF6B
- g. scientificName: *Lasioglossum (Sphecodogastra) pauxillum* (Schenck, 1853); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *pauxillum*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 3; decimalLatitude: 41.8298456; decimalLongitude: 12.5432538; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-24; individualCount: 3; sex: females; lifeStage: adult; catalogNumber: A1257, A1258, A1261; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: A216F372-1EA5-527B-BCDB-C0BFE352D6C1

- h. scientificName: *Lasioglossum (Sphecodogastra) pauxillum* (Schenck, 1853); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *pauxillum*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-01; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1407; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 77B4FEB2-820F-52CA-88A6-640927BD1215
- i. scientificName: *Lasioglossum (Sphecodogastra) pauxillum* (Schenck, 1853); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *pauxillum*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-05; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1359, A1391; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: EE80777E-888B-5F2F-B2D6-2E7CDE807748
- j. scientificName: *Lasioglossum (Sphecodogastra) pauxillum* (Schenck, 1853); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *pauxillum*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-10; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1354; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 43DD87E6-D134-57E1-8288-1EDE332BD2BD
- k. scientificName: *Lasioglossum (Sphecodogastra) pauxillum* (Schenck, 1853); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *pauxillum*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 2; decimalLatitude: 41.8596887; decimalLongitude: 12.4355075; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-18; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1372; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 36A97B0E-F80D-5BA2-AA2A-DA6194B0F27F
- l. scientificName: *Lasioglossum (Sphecodogastra) pauxillum* (Schenck, 1853); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *pauxillum*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-12; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1412; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 27AD91A8-1E4D-5819-ADED-70C43F757918
- m. scientificName: *Lasioglossum (Sphecodogastra) pauxillum* (Schenck, 1853); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *pauxillum*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-19; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1440; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 2AC8D886-9F16-573A-9057-6579517E3A6E
- n. scientificName: *Lasioglossum (Sphecodogastra) pauxillum* (Schenck, 1853); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*;

- specificEpithet: *pauxillum*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insuperata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-24; individualCount: 2; sex: males; lifeStage: adult; catalogNumber: A1444, A1695; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 57E63DDD-E5A9-5D64-A9A0-06A01B70BCD7
- o. scientificName: *Lasioglossum (Sphecodogastra) pauxillum* (Schenck, 1853); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *pauxillum*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-07; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1432; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: D6CF633E-35B9-5811-BE66-002AC62C6702
- p. scientificName: *Lasioglossum (Sphecodogastra) pauxillum* (Schenck, 1853); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *pauxillum*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-01; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1448; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 436350BD-23B5-57E3-84D0-EE819F5D0A9F
- q. scientificName: *Lasioglossum (Sphecodogastra) pauxillum* (Schenck, 1853); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Sphecodogastra*; specificEpithet: *pauxillum*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-10-01; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1547; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: FCAD456C-2613-50A8-BECA-1D8D389F3384

## *Lasioglossum perclavipes* (Blüthgen, 1934)

### Material

- a. scientificName: *Lasioglossum (Lasioglossum) perclavipes* (Blüthgen, 1934); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Lasioglossum*; specificEpithet: *perclavipes*; scientificNameAuthorship: (Blüthgen, 1934); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-10; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1719; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: D41A013A-81C3-5A07-BB28-415FB2DB4865

## *Lasioglossum politum* (Schenck, 1853)

### Materials

- a. scientificName: *Lasioglossum (Pyghalictus) politum* (Schenck, 1853); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Pyghalictus*; specificEpithet: *politum*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-12; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1454; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: B278341A-9320-55D9-BCE3-D5937379965D
- b. scientificName: *Lasioglossum (Pyghalictus) politum* (Schenck, 1853); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Pyghalictus*; specificEpithet: *politum*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-17; individualCount: 8; sex: females; lifeStage: adult; catalogNumber: A1517, A1518, A1520, A1521, A1523, A1531, A1535, A1536; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: DE52E09B-EA94-580C-8AF8-66756D0F3F41
- c. scientificName: *Lasioglossum (Pyghalictus) politum* (Schenck, 1853); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Pyghalictus*; specificEpithet: *politum*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-02; individualCount: 9; sex: females; lifeStage: adult; catalogNumber: A1500, A1502, A1505, A1509, A1510, A1511, A1512, A1513, A1514; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: CAB83942-FE26-5ED4-BC3F-9CF3C62DA6F4
- d. scientificName: *Lasioglossum (Pyghalictus) politum* (Schenck, 1853); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Pyghalictus*; specificEpithet: *politum*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-07; individualCount: 7; sex: females; lifeStage: adult; catalogNumber: A1431, A1451, A1452, A1459, A1462, A1464, A1467; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 05059CA6-3C5C-582D-B729-5AEE4C0AE53B
- e. scientificName: *Lasioglossum (Pyghalictus) politum* (Schenck, 1853); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Pyghalictus*; specificEpithet: *politum*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-06; individualCount: 3; sex: females; lifeStage: adult; catalogNumber: A1540, A1543, A1549; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: D82F896F-F602-54C1-BB5A-B0D39FC4DE2F
- f. scientificName: *Lasioglossum (Pyghalictus) politum* (Schenck, 1853); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Pyghalictus*; specificEpithet: *politum*; scientificNameAuthorship: (Schenck, 1853); country: Italy;

- countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-29; individualCount: 3; sex: females; lifeStage: adult; catalogNumber: A1545, A1552, A1553; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 73624D89-608E-5BAA-9249-4E4EF3E56CC4
- g. scientificName: *Lasioglossum (Pyghalictus) politum* (Schenck, 1853); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Pyghalictus*; specificEpithet: *politum*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-24; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1443; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 9601241B-96F3-534A-9293-BB348435B7D5
- h. scientificName: *Lasioglossum (Pyghalictus) politum* (Schenck, 1853); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Pyghalictus*; specificEpithet: *politum*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-30; individualCount: 6; sex: females; lifeStage: adult; catalogNumber: A1499, A1501, A1503, A1506, A1507, A1508; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: E91AFD58-837C-5D09-AC96-F8E9F95C2F0F
- i. scientificName: *Lasioglossum (Pyghalictus) politum* (Schenck, 1853); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Pyghalictus*; specificEpithet: *politum*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-21; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1532, A1534; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: FDEE7D76-8A4E-504A-BF1F-61B2B2F893EF
- j. scientificName: *Lasioglossum (Pyghalictus) politum* (Schenck, 1853); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Pyghalictus*; specificEpithet: *politum*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 1; decimalLatitude: 41.9345179; decimalLongitude: 12.5453096; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-01; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1442; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 6EDE982C-32FB-5F96-8FBC-EB86DDE3BEB0
- k. scientificName: *Lasioglossum (Pyghalictus) politum* (Schenck, 1853); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Pyghalictus*; specificEpithet: *politum*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 1; decimalLatitude: 41.9345179; decimalLongitude: 12.5453096; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-09-04; individualCount: 3; sex: females; lifeStage: adult; catalogNumber: A1493, A1494, A1496; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 7277A0E7-18B6-59D6-9C25-34102BCBF5C6

- l. scientificName: *Lasioglossum (Pyghalictus) politum* (Schenck, 1853); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Pyghalictus*; specificEpithet: *politum*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-19; individualCount: 4; sex: females; lifeStage: adult; catalogNumber: A2031, A2032, A2043, A2044; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 2643722A-D442-5F01-BD09-EFDEA52C062F
- m. scientificName: *Lasioglossum (Pyghalictus) politum* (Schenck, 1853); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Pyghalictus*; specificEpithet: *politum*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-30; individualCount: 4; sex: females; lifeStage: adult; catalogNumber: A2052, A2053, A2058, A2059; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 0714EA4B-2B9B-5D55-9396-3866652644A0
- n. scientificName: *Lasioglossum (Pyghalictus) politum* (Schenck, 1853); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Pyghalictus*; specificEpithet: *politum*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-24; individualCount: 4; sex: females; lifeStage: adult; catalogNumber: A2061, A2062, A2065, A2066; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 82823CB4-A7AA-5139-9FC2-1210EF1A1F4D
- o. scientificName: *Lasioglossum (Pyghalictus) politum* (Schenck, 1853); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Pyghalictus*; specificEpithet: *politum*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-03; individualCount: 6; sex: females; lifeStage: adult; catalogNumber: A2111, A2112, A2117, A2118, A2129, A2130; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: EE673C63-9667-5CA2-AC08-D34042A541A5

## ***Lasioglossum pygmaeum* (Schenck, 1853)**

### **Materials**

- a. scientificName: *Lasioglossum (Hemihalictus) pygmaeum* (Schenck, 1853); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *pygmaeum*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-19; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0459; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 5FD4403C-537F-51C8-85CD-05EAD828A4E8

- b. scientificName: *Lasioglossum (Hemihalictus) pygmaeum* (Schenck, 1853); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *pygmaeum*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-07; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1463; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 0F0221AF-6146-55C7-9334-00A8037B8F38

## *Lasioglossum punctatissimum* (Schenck, 1853)

### Materials

- a. scientificName: *Lasioglossum (Hemihalictus) punctatissimum* (Schenck, 1853); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *punctatissimum*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-14; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1337; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: C972402A-345C-5721-A2D4-E024EAF87A2E
- b. scientificName: *Lasioglossum (Hemihalictus) punctatissimum* (Schenck, 1853); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *punctatissimum*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-15; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1344; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 4DC61E34-C500-5911-A146-F91A02BD8A9E
- c. scientificName: *Lasioglossum (Hemihalictus) punctatissimum* (Schenck, 1853); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *punctatissimum*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-07; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1468; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 53BA6BF2-E9AE-54C5-9BC1-CC626D8FB7EC
- d. scientificName: *Lasioglossum (Hemihalictus) punctatissimum* (Schenck, 1853); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *punctatissimum*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-27; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1528; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: FB8D9CBF-481E-5BD2-85F1-8F630DDBCC1
- e. scientificName: *Lasioglossum (Hemihalictus) punctatissimum* (Schenck, 1853); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *punctatissimum*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum:

WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-17; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1541; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 16C5230A-B86C-537F-8AFF-D4A2CEF7CBDE

## *Lasioglossum puncticolle* (Morawitz, 1872)

### Materials

- a. scientificName: *Lasioglossum (Hemihalictus) puncticolle* (Morawitz, 1872); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *puncticolle*; scientificNameAuthorship: (Morawitz, 1872); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-04; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1320, A1331; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 01ADB93D-66C1-5E72-9D92-A51113D9905E
- b. scientificName: *Lasioglossum (Hemihalictus) puncticolle* (Morawitz, 1872); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *puncticolle*; scientificNameAuthorship: (Morawitz, 1872); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-27; individualCount: 6; sex: females; lifeStage: adult; catalogNumber: A1380, A1382, A1390, A1393, A1395, A1396; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 632CB6DF-2EF0-518D-A228-D62EEEF0CCF3
- c. scientificName: *Lasioglossum (Hemihalictus) puncticolle* (Morawitz, 1872); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *puncticolle*; scientificNameAuthorship: (Morawitz, 1872); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-01; individualCount: 9; sex: females; lifeStage: adult; catalogNumber: A1379, A1381, A1387, A1397, A1399, A1403, A1404, A1405, A1529; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 81AF19BD-727C-5B81-BA80-8A7253078AEC
- d. scientificName: *Lasioglossum (Hemihalictus) puncticolle* (Morawitz, 1872); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *puncticolle*; scientificNameAuthorship: (Morawitz, 1872); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-27; individualCount: 3; sex: females; lifeStage: adult; catalogNumber: A1436, A1441, A1446; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 7F764347-17AD-5224-A201-502C865521CA
- e. scientificName: *Lasioglossum (Hemihalictus) puncticolle* (Morawitz, 1872); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *puncticolle*; scientificNameAuthorship: (Morawitz, 1872); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-01; individualCount: 1; sex: female;



- lifeStage: **adult**; catalogNumber: **A1434**; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: **UR3**; occurrenceID: **E8A5B9BF-388B-5BCE-BCDA-DC97751571EB**
- f. scientificName: *Lasioglossum (Hemihalictus) puncticolle* (Morawitz, 1872); order: **Hymenoptera**; family: **Halictidae**; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *puncticolle*; scientificNameAuthorship: (Morawitz, 1872); country: **Italy**; countryCode: **IT**; stateProvince: **Roma**; locality: **Riserva Naturale Valle dei Casali 2**; decimalLatitude: **41.8596887**; decimalLongitude: **12.4355075**; geodeticDatum: **WGS84**; coordinatePrecision: **0.0002**; eventDate: **2022-07-13**; individualCount: **1**; sex: **male**; lifeStage: **adult**; catalogNumber: **A1627**; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: **UR3**; occurrenceID: **97F6297D-D988-5E57-A2BD-09662E47CD83**
- g. scientificName: *Lasioglossum (Hemihalictus) puncticolle* (Morawitz, 1872); order: **Hymenoptera**; family: **Halictidae**; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *puncticolle*; scientificNameAuthorship: (Morawitz, 1872); country: **Italy**; countryCode: **IT**; stateProvince: **Roma**; locality: **Riserva Naturale di Monte Mario**; decimalLatitude: **41.9386215**; decimalLongitude: **12.4546223**; geodeticDatum: **WGS84**; coordinatePrecision: **0.0002**; eventDate: **2022-07-24**; individualCount: **2**; sex: **females**; lifeStage: **adult**; catalogNumber: **A2071, A2072**; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: **UR3**; occurrenceID: **5844C2D5-02CB-5F1A-A7CF-82ACD2148448**
- h. scientificName: *Lasioglossum (Hemihalictus) puncticolle* (Morawitz, 1872); order: **Hymenoptera**; family: **Halictidae**; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *puncticolle*; scientificNameAuthorship: (Morawitz, 1872); country: **Italy**; countryCode: **IT**; stateProvince: **Roma**; locality: **Riserva Naturale Tenuta dei Massimi 1**; decimalLatitude: **41.8532859**; decimalLongitude: **12.3842322**; geodeticDatum: **WGS84**; coordinatePrecision: **0.0002**; eventDate: **2022-07-28**; individualCount: **3**; sex: **females**; lifeStage: **adult**; catalogNumber: **A1474, A1475, A1504**; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: **UR3**; occurrenceID: **2404E72F-07E6-50CC-B6C9-814D08E8A608**
- i. scientificName: *Lasioglossum (Hemihalictus) puncticolle* (Morawitz, 1872); order: **Hymenoptera**; family: **Halictidae**; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *puncticolle*; scientificNameAuthorship: (Morawitz, 1872); country: **Italy**; countryCode: **IT**; stateProvince: **Roma**; locality: **Riserva Naturale Valle dell'Aniene 2**; decimalLatitude: **41.928752**; decimalLongitude: **12.5562962**; geodeticDatum: **WGS84**; coordinatePrecision: **0.0002**; eventDate: **2022-08-03**; individualCount: **1**; sex: **female**; lifeStage: **adult**; catalogNumber: **A2121**; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: **UR3**; occurrenceID: **FBD523BD-A358-5848-8B14-85231F98DACC**
- j. scientificName: *Lasioglossum (Hemihalictus) puncticolle* (Morawitz, 1872); order: **Hymenoptera**; family: **Halictidae**; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *puncticolle*; scientificNameAuthorship: (Morawitz, 1872); country: **Italy**; countryCode: **IT**; stateProvince: **Roma**; locality: **Riserva Naturale Tenuta dei Massimi 1**; decimalLatitude: **41.8532859**; decimalLongitude: **12.3842322**; geodeticDatum: **WGS84**; coordinatePrecision: **0.0002**; eventDate: **2022-08-27**; individualCount: **3**; sex: **females**; lifeStage: **adult**; catalogNumber: **A1554, A1555, A1556**; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: **UR3**; occurrenceID: **82E33B82-1BA2-5AC9-A661-9ADD4B4C5DCC**

## *Lasioglossum transitorium* (Schenck, 1868)

### Materials

- a. scientificName: *Lasioglossum (Hemihalictus) transitorium* (Schenck, 1868); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *transitorium*; scientificNameAuthorship: (Schenck, 1868); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 2; decimalLatitude: 41.8596887; decimalLongitude: 12.4355075; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-10; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1305; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: A2006EE1-8C8A-57C8-928C-B35E46CCD4ED
- b. scientificName: *Lasioglossum (Hemihalictus) transitorium* (Schenck, 1868); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *transitorium*; scientificNameAuthorship: (Schenck, 1868); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insuperata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-15; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1280, A1284; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 9E784F91-8FBB-588A-BB6F-EC99108877BC
- c. scientificName: *Lasioglossum (Hemihalictus) transitorium* (Schenck, 1868); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *transitorium*; scientificNameAuthorship: (Schenck, 1868); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-23; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1294, A1312; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: DAF76DBB-891F-5244-9036-7980771668AB
- d. scientificName: *Lasioglossum (Hemihalictus) transitorium* (Schenck, 1868); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *transitorium*; scientificNameAuthorship: (Schenck, 1868); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insuperata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-27; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1255; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 52DC1462-FF4D-57AC-8494-1EE9F7650532
- e. scientificName: *Lasioglossum (Hemihalictus) transitorium* (Schenck, 1868); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *transitorium*; scientificNameAuthorship: (Schenck, 1868); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-05; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1355; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 258CD726-B376-5381-A039-1B17DCB18D12

***Lasioglossum truncaticolle* (Morawitz, 1877)****Materials**

- a. scientificName: *Lasioglossum (Hemihalictus) truncaticolle* (Morawitz, 1877); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *truncaticolle*; scientificNameAuthorship: (Morawitz, 1877); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-27; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1272, A1388; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: A774AD07-792F-5652-8DC4-E519FCF12A3E
- b. scientificName: *Lasioglossum (Hemihalictus) truncaticolle* (Morawitz, 1877); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *truncaticolle*; scientificNameAuthorship: (Morawitz, 1877); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-01; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1621; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 4610195C-6654-53AC-8958-4EF400C911DA
- c. scientificName: *Lasioglossum (Hemihalictus) truncaticolle* (Morawitz, 1877); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *truncaticolle*; scientificNameAuthorship: (Morawitz, 1877); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-27; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1694; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 5F61D4AE-E69C-510A-BC86-DBC1E8F5DA13
- d. scientificName: *Lasioglossum (Hemihalictus) truncaticolle* (Morawitz, 1877); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *truncaticolle*; scientificNameAuthorship: (Morawitz, 1877); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 2; decimalLatitude: 41.8596887; decimalLongitude: 12.4355075; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-13; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1626; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 5663C5FC-217C-5C71-B89C-5B866C74606B
- e. scientificName: *Lasioglossum (Hemihalictus) truncaticolle* (Morawitz, 1877); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *truncaticolle*; scientificNameAuthorship: (Morawitz, 1877); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-28; individualCount: 3; sex: females; lifeStage: adult; catalogNumber: A1530, A1538, A1539; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 875CACD9-5A78-5006-AE64-ADB7BEA20DE
- f. scientificName: *Lasioglossum (Hemihalictus) truncaticolle* (Morawitz, 1877); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *truncaticolle*; scientificNameAuthorship: (Morawitz, 1877); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-30; individualCount: 1; sex: female;

lifeStage: adult; catalogNumber: A1482; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 37381E23-CDA8-5E92-8CBF-01D776CB17B4

## *Lasioglossum villosulum* (Kirby, 1802)

### Materials

- a. scientificName: *Lasioglossum (Hemihalictus) villosulum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *villosulum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-07; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1286; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 1A40D0E8-E0CC-5E21-9DE7-E0DE2E49FFCE
- b. scientificName: *Lasioglossum (Hemihalictus) villosulum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *villosulum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-04; individualCount: 3; sex: females; lifeStage: adult; catalogNumber: A1321, A1325, A1330; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 85AF3012-F882-5DB8-9E4C-7CA638C58007
- c. scientificName: *Lasioglossum (Hemihalictus) villosulum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *villosulum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-12; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1340; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 6689BA69-0FC0-5AD8-9121-C51284AA6A2E
- d. scientificName: *Lasioglossum (Hemihalictus) villosulum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *villosulum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-20; individualCount: 3; sex: females; lifeStage: adult; catalogNumber: A1250, A1333, A1342; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 9F689F78-BDF6-511C-862B-8A4E63797902
- e. scientificName: *Lasioglossum (Hemihalictus) villosulum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *villosulum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-24; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1349; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 45E194A3-F817-51D2-944D-DA688F911510

- f. scientificName: *Lasioglossum (Hemihalictus) villosulum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *villosulum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-01; individualCount: 2; sex: males; lifeStage: adult; catalogNumber: A1401, A1402; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: C93BD690-A87E-590E-884B-25FC86580518
- g. scientificName: *Lasioglossum (Hemihalictus) villosulum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *villosulum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-01; individualCount: 3; sex: males; lifeStage: adult; catalogNumber: A1406, A1409, A1411; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 36195FE3-9819-5773-BE41-88DAF5FDE2E1
- h. scientificName: *Lasioglossum (Hemihalictus) villosulum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *villosulum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-05; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1408; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 862B216B-37AD-5D1B-A63D-FFC1A4035860
- i. scientificName: *Lasioglossum (Hemihalictus) villosulum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *villosulum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-10; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1352; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 8FF22F1D-8392-5BA7-B0F4-1725EBC53E9C
- j. scientificName: *Lasioglossum (Hemihalictus) villosulum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *villosulum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-12; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1345; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 840D0E58-6370-5BD5-B97D-4877EA22F9D9
- k. scientificName: *Lasioglossum (Hemihalictus) villosulum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *villosulum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-16; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1376; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 063E89EA-0E8D-5295-A9D5-F2E25DAEF0F6

- l. scientificName: *Lasioglossum (Hemihalictus) villosulum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *villosulum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-18; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1361; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 9928B5B6-76C3-5849-BECO-F51986437318
- m. scientificName: *Lasioglossum (Hemihalictus) villosulum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *villosulum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-19; individualCount: 2; sex: males; lifeStage: adult; catalogNumber: A1437, A1439; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 81613A75-1849-5556-9044-3278D0FF125B
- n. scientificName: *Lasioglossum (Hemihalictus) villosulum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *villosulum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-27; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1691; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: E4150CD1-5DED-530B-80A0-3DF69EE923AE
- o. scientificName: *Lasioglossum (Hemihalictus) villosulum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *villosulum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-01; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1625; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: B5660D15-3BC7-5351-8B2F-511FADB5E644
- p. scientificName: *Lasioglossum (Hemihalictus) villosulum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *villosulum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-07; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1692; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: DF22AB06-37F4-5238-BB8D-C5FD1CF32263
- q. scientificName: *Lasioglossum (Hemihalictus) villosulum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *villosulum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-12; individualCount: 3; sex: males; lifeStage: adult; catalogNumber: A1483, A1574, A1585; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 27E8783E-080C-505F-9687-8A98B95225DC

- r. scientificName: *Lasioglossum (Hemihalictus) villosulum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *villosulum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 2; decimalLatitude: 41.8596887; decimalLongitude: 12.4355075; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-13; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1479, A1488; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 23242934-7BD9-5F6B-A8DE-C5B33A079A47
- s. scientificName: *Lasioglossum (Hemihalictus) villosulum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *villosulum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-28; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1469; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 00251AE6-E76E-56A9-9C53-F8551ED34E80
- t. scientificName: *Lasioglossum (Hemihalictus) villosulum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *villosulum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-17; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1607; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 4E563492-4636-585F-9D33-670C0D6992FA
- u. scientificName: *Lasioglossum (Hemihalictus) villosulum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *villosulum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-19; individualCount: 5; sex: females; lifeStage: adult; catalogNumber: A2036, A2037, A2038, A2039, A2040; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 36B684E6-69A7-560C-BF16-57B9469F0714
- v. scientificName: *Lasioglossum (Hemihalictus) villosulum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *villosulum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-21; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1516; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 34A81601-9A85-57FF-B1CA-3B091CCCCBF7F
- w. scientificName: *Lasioglossum (Hemihalictus) villosulum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *villosulum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-23; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1522, A1550; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: D605D6B1-E455-5437-BC83-7A47AE660402

- x. scientificName: *Lasioglossum (Hemihalictus) villosulum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *villosulum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-25; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1611; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 5C315DBB-F936-5981-9700-6DF2EA0365B6
- y. scientificName: *Lasioglossum (Hemihalictus) villosulum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *villosulum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-27; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1546; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 65A331B2-E7D4-5D5C-BF6E-671F0BA335D0
- z. scientificName: *Lasioglossum (Hemihalictus) villosulum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *villosulum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-27; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1551, A1558; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 00131DEE-319E-59AA-B404-4534869BA7BB
- aa. scientificName: *Lasioglossum (Hemihalictus) villosulum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *villosulum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-09-04; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1605; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 86224284-353E-553E-AB8E-D16773A63E61
- ab. scientificName: *Lasioglossum (Hemihalictus) villosulum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *villosulum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-09-10; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1495; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 68B4D44E-BC01-5257-8C9E-DDC1F69048E3
- ac. scientificName: *Lasioglossum (Hemihalictus) villosulum* (Kirby, 1802); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Hemihalictus*; specificEpithet: *villosulum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-09-18; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1559; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 66322FA9-D2DA-5B33-8283-2ACF107AAF9E



***Lasioglossum zonulus* (Smith, 1848)****Materials**

- a. scientificName: *Lasioglossum (Leuchalictus) zonulus* (Smith, 1848); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Leuchalictus*; specificEpithet: *zonulus*; scientificNameAuthorship: (Smith, 1848); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-09-01; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1779; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 90B89861-003B-5ED9-9EA3-19053F3CAEC5
- b. scientificName: *Lasioglossum (Leuchalictus) zonulus* (Smith, 1848); order: Hymenoptera; family: Halictidae; genus: *Lasioglossum*; subgenus: *Leuchalictus*; specificEpithet: *zonulus*; scientificNameAuthorship: (Smith, 1848); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-30; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A2056, A2057; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: D9102CDA-2552-53F8-8C37-B7765B01BF88

***Seladonia gemmea* (Dours, 1872)****Materials**

- a. scientificName: *Seladonia (Seladonia) gemmea* (Dours, 1872); order: Hymenoptera; family: Halictidae; genus: *Seladonia*; subgenus: *Seladonia*; specificEpithet: *gemmea*; scientificNameAuthorship: (Dours, 1872); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-12; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1569, A1570; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 53F9366E-C0D9-51CE-9998-30435936DCAB
- b. scientificName: *Seladonia (Seladonia) gemmea* (Dours, 1872); order: Hymenoptera; family: Halictidae; genus: *Seladonia*; subgenus: *Seladonia*; specificEpithet: *gemmea*; scientificNameAuthorship: (Dours, 1872); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-07; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1568; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: E2D6B345-C9C2-5711-A3B4-271E92A48640
- c. scientificName: *Seladonia (Seladonia) gemmea* (Dours, 1872); order: Hymenoptera; family: Halictidae; genus: *Seladonia*; subgenus: *Seladonia*; specificEpithet: *gemmea*; scientificNameAuthorship: (Dours, 1872); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-22; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1573, A1591; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 6355E47E-FE9F-5F1B-BC76-8FA54FC6701F

- d. scientificName: *Seladonia (Seladonia) gemmea* (Dours, 1872); order: Hymenoptera; family: Halictidae; genus: *Seladonia*; subgenus: *Seladonia*; specificEpithet: *gemmea*; scientificNameAuthorship: (Dours, 1872); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-30; individualCount: 3; sex: females; lifeStage: adult; catalogNumber: A1577, A1598, A1599; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 8E1A620B-1D74-5B5C-8493-6B801780B961
- e. scientificName: *Seladonia (Seladonia) gemmea* (Dours, 1872); order: Hymenoptera; family: Halictidae; genus: *Seladonia*; subgenus: *Seladonia*; specificEpithet: *gemmea*; scientificNameAuthorship: (Dours, 1872); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-21; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1560; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: E5F650BB-C724-5FFD-9D97-636E75FBC481
- f. scientificName: *Seladonia (Seladonia) gemmea* (Dours, 1872); order: Hymenoptera; family: Halictidae; genus: *Seladonia*; subgenus: *Seladonia*; specificEpithet: *gemmea*; scientificNameAuthorship: (Dours, 1872); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-17; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1604; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: E3CC9C8C-C8C6-5B3F-8B39-8016FD9C13C4
- g. scientificName: *Seladonia (Seladonia) gemmea* (Dours, 1872); order: Hymenoptera; family: Halictidae; genus: *Seladonia*; subgenus: *Seladonia*; specificEpithet: *gemmea*; scientificNameAuthorship: (Dours, 1872); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-28; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1594, A1602; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: BF3FBFB8-E007-5B6F-84D6-F84949824C3F
- h. scientificName: *Seladonia (Seladonia) gemmea* (Dours, 1872); order: Hymenoptera; family: Halictidae; genus: *Seladonia*; subgenus: *Seladonia*; specificEpithet: *gemmea*; scientificNameAuthorship: (Dours, 1872); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 1; decimalLatitude: 41.9345179; decimalLongitude: 12.5453096; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-01; individualCount: 8; sex: females; lifeStage: adult; catalogNumber: A1677, A1678, A1680, A1681, A1682, A1683, A1684, A1689; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 80936835-A1D5-5F20-AE2F-5DEA98A1DFCA
- i. scientificName: *Seladonia (Seladonia) gemmea* (Dours, 1872); order: Hymenoptera; family: Halictidae; genus: *Seladonia*; subgenus: *Seladonia*; specificEpithet: *gemmea*; scientificNameAuthorship: (Dours, 1872); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-01; individualCount: 4; sex: females; lifeStage: adult; catalogNumber: A1679, A1685, A1686, A1688; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 13E81BE2-85D5-5846-98E2-29C3A0858D0D

- j. scientificName: *Seladonia (Seladonia) gemmea* (Dours, 1872); order: Hymenoptera; family: Halictidae; genus: *Seladonia*; subgenus: *Seladonia*; specificEpithet: *gemmea*; scientificNameAuthorship: (Dours, 1872); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-05; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1754; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 8703921D-B469-5CC9-8E3E-729B9FFF36E2
- k. scientificName: *Seladonia (Seladonia) gemmea* (Dours, 1872); order: Hymenoptera; family: Halictidae; genus: *Seladonia*; subgenus: *Seladonia*; specificEpithet: *gemmea*; scientificNameAuthorship: (Dours, 1872); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-13; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1572, A1589; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: A31D865E-B746-5F5D-A58F-DF60264AF829
- l. scientificName: *Seladonia (Seladonia) gemmea* (Dours, 1872); order: Hymenoptera; family: Halictidae; genus: *Seladonia*; subgenus: *Seladonia*; specificEpithet: *gemmea*; scientificNameAuthorship: (Dours, 1872); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 2; decimalLatitude: 41.8596887; decimalLongitude: 12.4355075; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-13; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1575, A1582; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: D39D5E3E-E366-59F3-9814-9EB5C19966A3
- m. scientificName: *Seladonia (Seladonia) gemmea* (Dours, 1872); order: Hymenoptera; family: Halictidae; genus: *Seladonia*; subgenus: *Seladonia*; specificEpithet: *gemmea*; scientificNameAuthorship: (Dours, 1872); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-19; individualCount: 4; sex: females; lifeStage: adult; catalogNumber: A2033, A2034, A2046, A2050; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 20F57EFD-20B9-5C50-B33D-7868B8107BA2
- n. scientificName: *Seladonia (Seladonia) gemmea* (Dours, 1872); order: Hymenoptera; family: Halictidae; genus: *Seladonia*; subgenus: *Seladonia*; specificEpithet: *gemmea*; scientificNameAuthorship: (Dours, 1872); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-03; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A2135, A2136; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 2F93EC2D-4959-5C84-B0F8-E9D2A6EF7BC5

## *Seladonia pollinosa* (Sichel, 1860)

### Material

- a. scientificName: *Seladonia (Mucoreohalictus) pollinosa* (Sichel, 1860); order: Hymenoptera; family: Halictidae; genus: *Seladonia*; subgenus: *Mucoreohalictus*; specificEpithet: *pollinosa*; scientificNameAuthorship: (Sichel, 1860); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84;

coordinatePrecision: 0.0002; eventDate: 2022-06-19; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1744; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 6033CC4B-82A1-5678-A942-BD886A85BA5D

## *Seladonia smaragdula* (Vachal, 1895)

### Materials

- a. scientificName: *Seladonia (Seladonia) smaragdula* (Vachal, 1895); order: Hymenoptera; family: Halictidae; genus: *Seladonia*; subgenus: *Seladonia*; specificEpithet: *smaragdula*; scientificNameAuthorship: (Vachal, 1895); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-12; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1571; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 751C95F0-7D49-5ED7-9014-30F3933006AF
- b. scientificName: *Seladonia (Seladonia) smaragdula* (Vachal, 1895); order: Hymenoptera; family: Halictidae; genus: *Seladonia*; subgenus: *Seladonia*; specificEpithet: *smaragdula*; scientificNameAuthorship: (Vachal, 1895); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-22; individualCount: 3; sex: females; lifeStage: adult; catalogNumber: A1592, A1595, A1596; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 3F9EE130-B1E9-52E1-9645-D214DF231151
- c. scientificName: *Seladonia (Seladonia) smaragdula* (Vachal, 1895); order: Hymenoptera; family: Halictidae; genus: *Seladonia*; subgenus: *Seladonia*; specificEpithet: *smaragdula*; scientificNameAuthorship: (Vachal, 1895); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-17; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1593, A1597; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 6D580D05-08ED-5D90-B780-75DD93C9D05A
- d. scientificName: *Seladonia (Seladonia) smaragdula* (Vachal, 1895); order: Hymenoptera; family: Halictidae; genus: *Seladonia*; subgenus: *Seladonia*; specificEpithet: *smaragdula*; scientificNameAuthorship: (Vachal, 1895); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-21; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1608; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 346C5C8A-D633-5055-8FF0-681EA423C380
- e. scientificName: *Seladonia (Seladonia) smaragdula* (Vachal, 1895); order: Hymenoptera; family: Halictidae; genus: *Seladonia*; subgenus: *Seladonia*; specificEpithet: *smaragdula*; scientificNameAuthorship: (Vachal, 1895); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-28; individualCount: 5; sex: females; lifeStage: adult; catalogNumber: A1600, A1601, A1606, A1609, A1610; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 6A26A504-CA2F-5B0C-88E2-5963AAA159F8

- f. scientificName: *Seladonia (Seladonia) smaragdula* (Vachal, 1895); order: Hymenoptera; family: Halictidae; genus: *Seladonia*; subgenus: *Seladonia*; specificEpithet: *smaragdula*; scientificNameAuthorship: (Vachal, 1895); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-01; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1687, A1690; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 66131622-DD00-54CB-8097-D75AFA705E7D
- g. scientificName: *Seladonia (Seladonia) smaragdula* (Vachal, 1895); order: Hymenoptera; family: Halictidae; genus: *Seladonia*; subgenus: *Seladonia*; specificEpithet: *smaragdula*; scientificNameAuthorship: (Vachal, 1895); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 2; decimalLatitude: 41.8596887; decimalLongitude: 12.4355075; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-13; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1581; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: DE745321-074A-50BE-8BD4-96C0D29CA4A3
- h. scientificName: *Seladonia (Seladonia) smaragdula* (Vachal, 1895); order: Hymenoptera; family: Halictidae; genus: *Seladonia*; subgenus: *Seladonia*; specificEpithet: *smaragdula*; scientificNameAuthorship: (Vachal, 1895); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-19; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A2051; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 9354DD6D-380C-55E4-89F5-984DFE2A4554
- i. scientificName: *Seladonia (Seladonia) smaragdula* (Vachal, 1895); order: Hymenoptera; family: Halictidae; genus: *Seladonia*; subgenus: *Seladonia*; specificEpithet: *smaragdula*; scientificNameAuthorship: (Vachal, 1895); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-30; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A2055, A2060; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 4199BCEB-C3AD-56F9-8D3D-AC1CC8EC3E9A
- j. scientificName: *Seladonia (Seladonia) smaragdula* (Vachal, 1895); order: Hymenoptera; family: Halictidae; genus: *Seladonia*; subgenus: *Seladonia*; specificEpithet: *smaragdula*; scientificNameAuthorship: (Vachal, 1895); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-24; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A2064; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: F3F5B97A-E299-5F33-9834-9B26295ED748
- k. scientificName: *Seladonia (Seladonia) smaragdula* (Vachal, 1895); order: Hymenoptera; family: Halictidae; genus: *Seladonia*; subgenus: *Seladonia*; specificEpithet: *smaragdula*; scientificNameAuthorship: (Vachal, 1895); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-03; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A2113; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 3FE2FEFF-9008-5464-9388-55CA208CFE58

## *Seladonia subaurata* (Rossi, 1792)

### Materials

- a. scientificName: *Seladonia (Seladonia) subaurata* (Rossi, 1792); order: Hymenoptera; family: Halictidae; genus: *Seladonia*; subgenus: *Seladonia*; specificEpithet: *subaurata*; scientificNameAuthorship: (Rossi, 1792); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-29; individualCount: 2; sex: 1 male, 1 female; lifeStage: adult; catalogNumber: A1672, A1674; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: A9863F2B-AF50-5A3B-867F-7CEE4CB0C00C
- b. scientificName: *Seladonia (Seladonia) subaurata* (Rossi, 1792); order: Hymenoptera; family: Halictidae; genus: *Seladonia*; subgenus: *Seladonia*; specificEpithet: *subaurata*; scientificNameAuthorship: (Rossi, 1792); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-10; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1753; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: B8C212E2-1D4C-5066-BF46-E0E3D93434A7
- c. scientificName: *Seladonia (Seladonia) subaurata* (Rossi, 1792); order: Hymenoptera; family: Halictidae; genus: *Seladonia*; subgenus: *Seladonia*; specificEpithet: *subaurata*; scientificNameAuthorship: (Rossi, 1792); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-13; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1671; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 7C6047D7-8FFE-5309-B7C2-BAA620F47D46

## *Seladonia vestita* (Lepelletier, 1841)

### Material

- a. scientificName: *Seladonia (Vestitohalictus) vestita* (Lepelletier, 1841); order: Hymenoptera; family: Halictidae; genus: *Seladonia*; subgenus: *Vestitohalictus*; specificEpithet: *vestita*; scientificNameAuthorship: (Lepelletier, 1841); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-22; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1603; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: F82646E5-2D6A-58E0-B57E-3362E78C5E78

## *Sphecodes gibbus* (Linnaeus, 1758)

### Materials

- a. scientificName: *Sphecodes (Sphecodes) gibbus* (Linnaeus, 1758); order: Hymenoptera; family: Halictidae; genus: *Sphecodes*; subgenus: *Sphecodes*; specificEpithet: *gibbus*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude:

- 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-20; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0461; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 1A9A9146-CABB-5F82-B521-456D883D25FE
- b. scientificName: *Sphecodes (Sphecodes) gibbus* (Linnaeus, 1758); order: Hymenoptera; family: Halictidae; genus: *Sphecodes*; subgenus: *Sphecodes*; specificEpithet: *gibbus*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-12; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0462; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 7439D143-5369-5D88-A02B-B5068FF27D03

### *Sphecodes longulus* Hagens, 1882

#### Material

- a. scientificName: *Sphecodes (Sphecodes) longulus* Hagens, 1882; order: Hymenoptera; family: Halictidae; genus: *Sphecodes*; subgenus: *Sphecodes*; specificEpithet: *longulus*; scientificNameAuthorship: Hagens, 1882; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-15; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0460; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 2E9219B9-2B82-50C3-989D-81ACD666F08D

### *Nomioides facilis* (Smith, 1853)

#### Materials

- a. scientificName: *Nomioides (Nomioides) facilis* (Smith, 1853); order: Hymenoptera; family: Halictidae; genus: *Nomioides*; subgenus: *Nomioides*; specificEpithet: *facilis*; scientificNameAuthorship: (Smith, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-07; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0324; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: D92FDCF5-DFE9-5F7B-B1C5-16A37F29A178
- b. scientificName: *Nomioides (Nomioides) facilis* (Smith, 1853); order: Hymenoptera; family: Halictidae; genus: *Nomioides*; subgenus: *Nomioides*; specificEpithet: *facilis*; scientificNameAuthorship: (Smith, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-29; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A0326, A0328; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 6EDD0C4D-1FCA-5468-888A-CF2CE66F27EB
- c. scientificName: *Nomioides (Nomioides) facilis* (Smith, 1853); order: Hymenoptera; family: Halictidae; genus: *Nomioides*; subgenus: *Nomioides*; specificEpithet: *facilis*; scientificNameAuthorship: (Smith, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941;

- decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-10; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0327; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 82C7F235-A404-5592-BF0C-2C34CD762E5B
- d. scientificName: *Nomioides (Nomioides) facilis* (Smith, 1853); order: Hymenoptera; family: Halictidae; genus: *Nomioides*; subgenus: *Nomioides*; specificEpithet: *facilis*; scientificNameAuthorship: (Smith, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-30; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0325; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 50BCBA60-A2E8-5180-A3B6-603969528A0F
- e. scientificName: *Nomioides (Nomioides) facilis* (Smith, 1853); order: Hymenoptera; family: Halictidae; genus: *Nomioides*; subgenus: *Nomioides*; specificEpithet: *facilis*; scientificNameAuthorship: (Smith, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-01; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A0329, A0330; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 3A786BEC-BE6A-560D-BC6B-9544F839C283

## *Systropha curvicornis* (Scopoli, 1770)

### Materials

- a. scientificName: *Systropha (Systropha) curvicornis* (Scopoli, 1770); order: Hymenoptera; family: Halictidae; genus: *Systropha*; subgenus: *Systropha*; specificEpithet: *curvicornis*; scientificNameAuthorship: (Scopoli 1770); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-24; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0001; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 79087FEC-5BAA-5690-8197-53DC517319CD
- b. scientificName: *Systropha (Systropha) curvicornis* (Scopoli, 1770); order: Hymenoptera; family: Halictidae; genus: *Systropha*; subgenus: *Systropha*; specificEpithet: *curvicornis*; scientificNameAuthorship: (Scopoli 1770); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 2; decimalLatitude: 41.8596887; decimalLongitude: 12.4355075; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-18; individualCount: 3; sex: 2 males, 1 female; lifeStage: adult; catalogNumber: A0002, A0006, A0007; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: B4B25F32-8D05-5955-8D4B-7DE644D66151
- c. scientificName: *Systropha (Systropha) curvicornis* (Scopoli, 1770); order: Hymenoptera; family: Halictidae; genus: *Systropha*; subgenus: *Systropha*; specificEpithet: *curvicornis*; scientificNameAuthorship: (Scopoli 1770); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-10; individualCount: 4; sex: males; lifeStage: adult; catalogNumber: A0003, A0004, A0005, A0010; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 28383AC2-2C2F-59C2-BA3F-A328EB9436F9



- d. scientificName: *Systropha* (*Systropha*) *curvicornis* (Scopoli, 1770); order: Hymenoptera; family: Halictidae; genus: *Systropha*; subgenus: *Systropha*; specificEpithet: *curvicornis*; scientificNameAuthorship: (Scopoli 1770); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-12; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0008; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: ECED3097-640A-5E28-8DC9-03AC047576F7
- e. scientificName: *Systropha* (*Systropha*) *curvicornis* (Scopoli, 1770); order: Hymenoptera; family: Halictidae; genus: *Systropha*; subgenus: *Systropha*; specificEpithet: *curvicornis*; scientificNameAuthorship: (Scopoli 1770); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-24; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0009; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: E130C3A4-5CE0-5450-A6D1-20DE302255C8
- f. scientificName: *Systropha* (*Systropha*) *curvicornis* (Scopoli, 1770); order: Hymenoptera; family: Halictidae; genus: *Systropha*; subgenus: *Systropha*; specificEpithet: *curvicornis*; scientificNameAuthorship: (Scopoli 1770); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-24; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0011; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionID: UR3; occurrenceID: 60B2DC8C-CFCA-5732-98A7-981AD1093C78

## Megachilidae Latreille, 1802

### *Anthidiellum strigatum* (Panzer, 1805)

#### Materials

- a. scientificName: *Anthidiellum* (*Anthidiellum*) *strigatum* (Panzer, 1804); order: Hymenoptera; family: Megachilidae; genus: *Anthidiellum*; subgenus: *Anthidiellum*; specificEpithet: *strigatum*; scientificNameAuthorship: (Panzer, 1804); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-13; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0182; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 33BE0626-24CA-5645-871D-1D32C6B91816
- b. scientificName: *Anthidiellum* (*Anthidiellum*) *strigatum* (Panzer, 1804); order: Hymenoptera; family: Megachilidae; genus: *Anthidiellum*; subgenus: *Anthidiellum*; specificEpithet: *strigatum*; scientificNameAuthorship: (Panzer, 1804); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-05; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0183; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: D4E4DBBA-79C9-53A1-9006-A8CBA3825F9C

- c. scientificName: *Anthidiellum (Anthidiellum) strigatum* (Panzer, 1804); order: Hymenoptera; family: Megachilidae; genus: *Anthidiellum*; subgenus: *Anthidiellum*; specificEpithet: *strigatum*; scientificNameAuthorship: (Panzer, 1804); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-29; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0184; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 876F8020-CE42-5C19-9B9F-FF7B1D3F3471
- d. scientificName: *Anthidiellum (Anthidiellum) strigatum* (Panzer, 1804); order: Hymenoptera; family: Megachilidae; genus: *Anthidiellum*; subgenus: *Anthidiellum*; specificEpithet: *strigatum*; scientificNameAuthorship: (Panzer, 1804); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 1; decimalLatitude: 41.9345179; decimalLongitude: 12.5453096; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-29; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0181; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: C2B22AD0-F514-553C-BDFB-C0113DEBC7E1
- e. scientificName: *Anthidiellum (Anthidiellum) strigatum* (Panzer, 1804); order: Hymenoptera; family: Megachilidae; genus: *Anthidiellum*; subgenus: *Anthidiellum*; specificEpithet: *strigatum*; scientificNameAuthorship: (Panzer, 1804); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-29; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0180; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 7A206DCD-2637-5475-9DCA-57D1CBB94A3F
- f. scientificName: *Anthidiellum (Anthidiellum) strigatum* (Panzer, 1804); order: Hymenoptera; family: Megachilidae; genus: *Anthidiellum*; subgenus: *Anthidiellum*; specificEpithet: *strigatum*; scientificNameAuthorship: (Panzer, 1804); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-09-14; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0590; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 34733CA1-AAB2-52E8-9E05-3D9217F40B94

## *Anthidium florentinum* (Fabricius, 1775)

### Materials

- a. scientificName: *Anthidium (Anthidium) florentinum* (Fabricius, 1775); order: Hymenoptera; family: Megachilidae; genus: *Anthidium*; subgenus: *Anthidium*; specificEpithet: *florentinum*; scientificNameAuthorship: (Fabricius, 1775); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-10; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0121; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: E019D163-1999-5F95-8CDA-E795241ECC5A
- b. scientificName: *Anthidium (Anthidium) florentinum* (Fabricius, 1775); order: Hymenoptera; family: Megachilidae; genus: *Anthidium*; subgenus: *Anthidium*; specificEpithet: *florentinum*; scientificNameAuthorship: (Fabricius, 1775); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84;

- coordinatePrecision: 0.0002; eventDate: 2022-07-12; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0124; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: B9B52DF3-A119-5B34-830B-9C4B6273528E
- c. scientificName: *Anthidium (Anthidium) florentinum* (Fabricius, 1775); order: Hymenoptera; family: Megachilidae; genus: *Anthidium*; subgenus: *Anthidium*; specificEpithet: *florentinum*; scientificNameAuthorship: (Fabricius, 1775); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-12; individualCount: 6; sex: 2 males, 4 females; lifeStage: adult; catalogNumber: A0119, A0120, A0126, A0128, A0131, A0135; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: A1779C28-07E5-51B4-9069-ABFF5BF5D137
- d. scientificName: *Anthidium (Anthidium) florentinum* (Fabricius, 1775); order: Hymenoptera; family: Megachilidae; genus: *Anthidium*; subgenus: *Anthidium*; specificEpithet: *florentinum*; scientificNameAuthorship: (Fabricius, 1775); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-30; individualCount: 3; sex: females; lifeStage: adult; catalogNumber: A0127, A0129, A0137; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: C822E67B-3E2D-58FC-B986-2977F3CAB802
- e. scientificName: *Anthidium (Anthidium) florentinum* (Fabricius, 1775); order: Hymenoptera; family: Megachilidae; genus: *Anthidium*; subgenus: *Anthidium*; specificEpithet: *florentinum*; scientificNameAuthorship: (Fabricius, 1775); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 1; decimalLatitude: 41.9345179; decimalLongitude: 12.5453096; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-01; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A0133, A0136; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 346060CE-D7F0-5890-B5A9-9123F59BFE83
- f. scientificName: *Anthidium (Anthidium) florentinum* (Fabricius, 1775); order: Hymenoptera; family: Megachilidae; genus: *Anthidium*; subgenus: *Anthidium*; specificEpithet: *florentinum*; scientificNameAuthorship: (Fabricius, 1775); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-01; individualCount: 4; sex: 2 males, 2 females; lifeStage: adult; catalogNumber: A0122, A0123, A0132, A0134; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: EC94F170-C76F-5E02-B364-B92C895014BE
- g. scientificName: *Anthidium (Anthidium) florentinum* (Fabricius, 1775); order: Hymenoptera; family: Megachilidae; genus: *Anthidium*; subgenus: *Anthidium*; specificEpithet: *florentinum*; scientificNameAuthorship: (Fabricius, 1775); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-05; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0130; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 94E10E18-ADC1-5E88-96E7-201FBEC0722F
- h. scientificName: *Anthidium (Anthidium) florentinum* (Fabricius, 1775); order: Hymenoptera; family: Megachilidae; genus: *Anthidium*; subgenus: *Anthidium*; specificEpithet: *florentinum*; scientificNameAuthorship: (Fabricius, 1775); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1;

decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-13; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0125; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 8E999DC5-9999-5838-B6C0-592001DA045C

## ***Anthidium loti* Perris, 1852**

### **Materials**

- a. scientificName: *Anthidium (Anthidium) loti* Perris, 1852; order: Hymenoptera; family: Megachilidae; genus: *Anthidium*; subgenus: *Anthidium*; specificEpithet: *loti*; scientificNameAuthorship: Perris, 1852; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-12; individualCount: 3; sex: 2 males, 1 female; lifeStage: adult; catalogNumber: A0156, A0158, A0161; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 286403E1-B594-5C86-93AB-D94AF28308AA
- b. scientificName: *Anthidium (Anthidium) loti* Perris, 1852; order: Hymenoptera; family: Megachilidae; genus: *Anthidium*; subgenus: *Anthidium*; specificEpithet: *loti*; scientificNameAuthorship: Perris, 1852; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 1; decimalLatitude: 41.9345179; decimalLongitude: 12.5453096; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-05; individualCount: 2; sex: 1 male, 1 female; lifeStage: adult; catalogNumber: A0157, A0159; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: BE05B343-84CF-5AEB-B101-8ECC63DC3DCD
- c. scientificName: *Anthidium (Anthidium) loti* Perris, 1852; order: Hymenoptera; family: Megachilidae; genus: *Anthidium*; subgenus: *Anthidium*; specificEpithet: *loti*; scientificNameAuthorship: Perris, 1852; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-05; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0160; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: C17B2DCC-817A-5FD0-B779-E0909F3C109C

## ***Anthidium manicatum* (Linnaeus, 1758)**

### **Materials**

- a. scientificName: *Anthidium (Anthidium) manicatum* (Linnaeus,1758); order: Hymenoptera; family: Megachilidae; genus: *Anthidium*; subgenus: *Anthidium*; specificEpithet: *manicatum*; scientificNameAuthorship: (Linnaeus,1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-12; individualCount: 13; sex: 10 males, 3 females; lifeStage: adult; catalogNumber: A0138, A0139, A0140, A0141, A0143, A0145, A0146, A0147, A0148, A0149, A051, A0153, A0155; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: F74A99E2-6B72-59C0-8101-EFE9D9541A1F
- b. scientificName: *Anthidium (Anthidium) manicatum* (Linnaeus,1758); order: Hymenoptera; family: Megachilidae; genus: *Anthidium*; subgenus: *Anthidium*; specificEpithet: *manicatum*; scientificNameAuthorship: (Linnaeus,1758); country: Italy; countryCode: IT; stateProvince:

- Roma; locality: Riserva Naturale Valle dell'Aniene 1; decimalLatitude: 41.9345179; decimalLongitude: 12.5453096; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-05; individualCount: 4; sex: 2 males, 2 females; lifeStage: adult; catalogNumber: A0142, A0150, A0152, A0154; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 3518ADFE-C662-5FE2-95FB-FB523F64BB50
- c. scientificName: *Anthidium (Anthidium) manicatum* (Linnaeus,1758); order: Hymenoptera; family: Megachilidae; genus: *Anthidium*; subgenus: *Anthidium*; specificEpithet: *manicatum*; scientificNameAuthorship: (Linnaeus,1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 1; decimalLatitude: 41.9345179; decimalLongitude: 12.5453096; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-05; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0144; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 8A931231-4EAC-5946-8A09-F53FEA674956

### *Chelostoma campanularum* (Kirby, 1802)

#### Materials

- a. scientificName: *Chelostoma (Foveosmia) campanularum* (Kirby, 1802); order: Hymenoptera; family: Megachilidae; genus: *Chelostoma*; subgenus: *Foveosmia*; specificEpithet: *campanularum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 3; decimalLatitude: 41.8298456; decimalLongitude: 12.5432538; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-24; individualCount: 2; sex: males; lifeStage: adult; catalogNumber: A0650, A0654; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 261096EC-2C02-50A6-872B-F2BE0BAF9B36
- b. scientificName: *Chelostoma (Foveosmia) campanularum* (Kirby, 1802); order: Hymenoptera; family: Megachilidae; genus: *Chelostoma*; subgenus: *Foveosmia*; specificEpithet: *campanularum*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-14; individualCount: 4; sex: 3 males, 1 female; lifeStage: adult; catalogNumber: A0655, A0656, A0657, A0951; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 5C9A4C90-F4DB-5603-9C26-D33A662DEC17

### *Chelostoma emarginatum* (Nylander, 1856)

#### Materials

- a. scientificName: *Chelostoma (Chelostoma) emarginatum* (Nylander, 1856); order: Hymenoptera; family: Megachilidae; genus: *Chelostoma*; subgenus: *Chelostoma*; specificEpithet: *emarginatum*; scientificNameAuthorship: (Nylander, 1856); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-07; individualCount: 2; sex: males; lifeStage: adult; catalogNumber: A0651, A0652; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 73D71645-61F6-5A8D-B32F-AC029E5AF513
- b. scientificName: *Chelostoma (Chelostoma) emarginatum* (Nylander, 1856); order: Hymenoptera; family: Megachilidae; genus: *Chelostoma*; subgenus: *Chelostoma*;

- specificEpithet: *emarginatum*; scientificNameAuthorship: (Nylander, 1856); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-04; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0653; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: A4C8366C-62CC-5775-B495-CD865F51EF61
- c. scientificName: *Chelostoma (Chelostoma) emarginatum* (Nylander, 1856); order: Hymenoptera; family: Megachilidae; genus: *Chelostoma*; subgenus: *Chelostoma*; specificEpithet: *emarginatum*; scientificNameAuthorship: (Nylander, 1856); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-20; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0684; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 27E7F688-5C3C-589B-B386-8B98DE89FAA8
- d. scientificName: *Chelostoma (Chelostoma) emarginatum* (Nylander, 1856); order: Hymenoptera; family: Megachilidae; genus: *Chelostoma*; subgenus: *Chelostoma*; specificEpithet: *emarginatum*; scientificNameAuthorship: (Nylander, 1856); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insuperata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-15; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0687; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: BF1688E1-92F9-5C8C-8143-B3B02E72531A

## *Chelostoma rapunculi* (Lepeletier, 1841)

### Materials

- a. scientificName: *Chelostoma (Gyrodromella) rapunculi* (Lepeletier, 1841); order: Hymenoptera; family: Megachilidae; genus: *Chelostoma*; subgenus: *Gyrodromella*; specificEpithet: *rapunculi*; scientificNameAuthorship: (Lepeletier, 1841); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 3; decimalLatitude: 41.8298456; decimalLongitude: 12.5432538; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-24; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0685; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 09E28C78-E374-5589-B4F4-267AF60141F5
- b. scientificName: *Chelostoma (Gyrodromella) rapunculi* (Lepeletier, 1841); order: Hymenoptera; family: Megachilidae; genus: *Chelostoma*; subgenus: *Gyrodromella*; specificEpithet: *rapunculi*; scientificNameAuthorship: (Lepeletier, 1841); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-14; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0686; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 7718F537-081F-5E4B-9F33-6C064C0EC0D8
- c. scientificName: *Chelostoma (Gyrodromella) rapunculi* (Lepeletier, 1841); order: Hymenoptera; family: Megachilidae; genus: *Chelostoma*; subgenus: *Gyrodromella*; specificEpithet: *rapunculi*; scientificNameAuthorship: (Lepeletier, 1841); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-20; individualCount: 1; sex: male;

lifeStage: adult; catalogNumber: A0688; recordedBy: L. Fortini; identifiedBy: M. Mei;  
collectionCode: UR3; occurrenceID: A10D3248-072A-5898-8E15-C93DFA1C0749

### *Coelioxys afer* Lepeletier, 1841

#### Material

- a. scientificName: *Coelioxys (Austrocleptria) afer* Lepeletier, 1841; order: Hymenoptera; family: Megachilidae; genus: *Coelioxys*; subgenus: *Austrocleptria*; specificEpithet: *afer*; scientificNameAuthorship: Lepeletier, 1841; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-16; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0439; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 41A29AA3-4433-5C28-A195-91B17C8C173E

### *Coelioxys aurolimbatus* Förster, 1853

#### Material

- a. scientificName: *Coelioxys (Rozeniana) aurolimbatus* Förster, 1853; order: Hymenoptera; family: Megachilidae; genus: *Coelioxys*; subgenus: *Rozeniana*; specificEpithet: *aurolimbatus*; scientificNameAuthorship: Förster, 1853; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-09-12; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0438; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 73BFB3F9-2573-5495-9672-BD44CCB0EB52

### *Coelioxys emarginatus* Förster, 1853

#### Material

- a. scientificName: *Coelioxys (Allocoelioxys) emarginatus* Förster, 1853; order: Hymenoptera; family: Megachilidae; genus: *Coelioxys*; subgenus: *Allocoelioxys*; specificEpithet: *emarginatus*; scientificNameAuthorship: Förster, 1853; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-13; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0437; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 213D00EE-C391-5E10-A3BF-4454B6B77144

### *Heriades crenulata* Nylander, 1856

#### Materials

- a. scientificName: *Heriades (Heriades) crenulata* Nylander, 1856; order: Hymenoptera; family: Megachilidae; genus: *Heriades*; subgenus: *Heriades*; specificEpithet: *crenulata*; scientificNameAuthorship: Nylander, 1856; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941;

- decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-12; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0639; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 0472EB44-8A76-5060-B759-821B9C462B36
- b. scientificName: *Heriades (Heriades) crenulata* Nylander, 1856; order: Hymenoptera; family: Megachilidae; genus: *Heriades*; subgenus: *Heriades*; specificEpithet: *crenulata*; scientificNameAuthorship: Nylander, 1856; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-29; individualCount: 3; sex: females; lifeStage: adult; catalogNumber: A0601, A0602, A0605; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: F87F2BBD-D702-523D-A46A-0242A0F3195C
- c. scientificName: *Heriades (Heriades) crenulata* Nylander, 1856; order: Hymenoptera; family: Megachilidae; genus: *Heriades*; subgenus: *Heriades*; specificEpithet: *crenulata*; scientificNameAuthorship: Nylander, 1856; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-07; individualCount: 2; sex: 1 male, 1 female; lifeStage: adult; catalogNumber: A0632, A0643; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: AD389911-8CC3-5972-8626-4B014031AF7A
- d. scientificName: *Heriades (Heriades) crenulata* Nylander, 1856; order: Hymenoptera; family: Megachilidae; genus: *Heriades*; subgenus: *Heriades*; specificEpithet: *crenulata*; scientificNameAuthorship: Nylander, 1856; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-30; individualCount: 9; sex: 3 males, 6 females; lifeStage: adult; catalogNumber: A0614, A0615, A0618, A0619, A0621, A0622, A0636, A0644, A0645; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 8BF7278A-7F6B-5B48-B622-FB001B478711
- e. scientificName: *Heriades (Heriades) crenulata* Nylander, 1856; order: Hymenoptera; family: Megachilidae; genus: *Heriades*; subgenus: *Heriades*; specificEpithet: *crenulata*; scientificNameAuthorship: Nylander, 1856; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-27; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0626; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 270145BD-E26D-5CB1-BBA0-B95B1501E29F
- f. scientificName: *Heriades (Heriades) crenulata* Nylander, 1856; order: Hymenoptera; family: Megachilidae; genus: *Heriades*; subgenus: *Heriades*; specificEpithet: *crenulata*; scientificNameAuthorship: Nylander, 1856; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-19; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0631; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: FB714273-B35C-5C07-8626-F1BACF178625
- g. scientificName: *Heriades (Heriades) crenulata* Nylander, 1856; order: Hymenoptera; family: Megachilidae; genus: *Heriades*; subgenus: *Heriades*; specificEpithet: *crenulata*; scientificNameAuthorship: Nylander, 1856; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002;



- eventDate: 2022-07-24; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0633; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: B25DF1F3-3F43-5A66-B097-BC8C4F84F8B5
- h. scientificName: *Heriades (Heriades) crenulata* Nylander, 1856; order: Hymenoptera; family: Megachilidae; genus: *Heriades*; subgenus: *Heriades*; specificEpithet: *crenulata*; scientificNameAuthorship: Nylander, 1856; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-13; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0635; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 37F68642-ABDE-5E98-AF60-770ADB96FCE3
- i. scientificName: *Heriades (Heriades) crenulata* Nylander, 1856; order: Hymenoptera; family: Megachilidae; genus: *Heriades*; subgenus: *Heriades*; specificEpithet: *crenulata*; scientificNameAuthorship: Nylander, 1856; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-18; individualCount: 5; sex: 1 male, 4 females; lifeStage: adult; catalogNumber: A0628, A0629, A0630, A0640, A0641; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: A63E2924-1989-5AC0-BED4-AFCB013C57CD
- j. scientificName: *Heriades (Heriades) crenulata* Nylander, 1856; order: Hymenoptera; family: Megachilidae; genus: *Heriades*; subgenus: *Heriades*; specificEpithet: *crenulata*; scientificNameAuthorship: Nylander, 1856; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-03; individualCount: 2; sex: males; lifeStage: adult; catalogNumber: A2131, A2132; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 8FE8EA1B-1A57-5AA8-814C-8E8FD44B4AC9

## *Heriades rubicola* Pérez, 1890

### Materials

- a. scientificName: *Heriades (Heriades) rubicola* Pérez, 1890; order: Hymenoptera; family: Megachilidae; genus: *Heriades*; subgenus: *Heriades*; specificEpithet: *rubicola*; scientificNameAuthorship: Pérez, 1890; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-10; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0638; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: AF5E8C69-4337-539C-AB5C-D9EA21A4D18D
- b. scientificName: *Heriades (Heriades) rubicola* Pérez, 1890; order: Hymenoptera; family: Megachilidae; genus: *Heriades*; subgenus: *Heriades*; specificEpithet: *rubicola*; scientificNameAuthorship: Pérez, 1890; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-11; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0623; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 0B289D5A-DFC1-5B33-8BA6-E74EE3A4DB04

- c. scientificName: *Heriades (Heriades) rubicola* Pérez, 1890; order: Hymenoptera; family: Megachilidae; genus: *Heriades*; subgenus: *Heriades*; specificEpithet: *rubicola*; scientificNameAuthorship: Pérez, 1890; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-29; individualCount: 9; sex: females; lifeStage: adult; catalogNumber: A0603, A0604, A0606, A0607, A0608, A0609, A0610, A0611, A0611, A0612; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 110A6BAD-55E2-52F6-85FA-CC1396307410
- d. scientificName: *Heriades (Heriades) rubicola* Pérez, 1890; order: Hymenoptera; family: Megachilidae; genus: *Heriades*; subgenus: *Heriades*; specificEpithet: *rubicola*; scientificNameAuthorship: Pérez, 1890; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-30; individualCount: 4; sex: 3 males, 1 female; lifeStage: adult; catalogNumber: A0613, A0620, A0634, A0646; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 6B2BB613-D4B5-529F-A87D-F061A087AC79
- e. scientificName: *Heriades (Heriades) rubicola* Pérez, 1890; order: Hymenoptera; family: Megachilidae; genus: *Heriades*; subgenus: *Heriades*; specificEpithet: *rubicola*; scientificNameAuthorship: Pérez, 1890; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-27; individualCount: 2; sex: males; lifeStage: adult; catalogNumber: A0625, A0627; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 55D18BAF-5453-532E-B859-B9AAB6E0E697
- f. scientificName: *Heriades (Heriades) rubicola* Pérez, 1890; order: Hymenoptera; family: Megachilidae; genus: *Heriades*; subgenus: *Heriades*; specificEpithet: *rubicola*; scientificNameAuthorship: Pérez, 1890; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-09-04; individualCount: 3; sex: females; lifeStage: adult; catalogNumber: A0616, A0617, A0624; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: B7051F44-BFE8-5C18-8FBC-2A02D750D710

## *Heriades truncorum* (Linnaeus, 1758)

### Material

- a. scientificName: *Heriades (Heriades) truncorum* (Linnaeus, 1758); order: Hymenoptera; family: Megachilidae; genus: *Heriades*; subgenus: *Heriades*; specificEpithet: *truncorum*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-19; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0642; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: B5195795-C4CC-5179-97F5-4FB057E1D4F8

***Hoplitis adunca* (Panzer, 1798)****Materials**

- a. scientificName: *Hoplitis (Hoplitis) adunca* (Panzer, 1798); order: Hymenoptera; family: Megachilidae; genus: *Hoplitis*; subgenus: *Hoplitis*; specificEpithet: *adunca*; scientificNameAuthorship: (Panzer, 1798); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-24; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A0450, A0451; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 31137F4D-B702-5D72-8500-4F180D7A161C
- b. scientificName: *Hoplitis (Hoplitis) adunca* (Panzer, 1798); order: Hymenoptera; family: Megachilidae; genus: *Hoplitis*; subgenus: *Hoplitis*; specificEpithet: *adunca*; scientificNameAuthorship: (Panzer, 1798); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-27; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0690; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: ADAAB9EA-55FB-5D07-A8FA-450E561EB445
- c. scientificName: *Hoplitis (Hoplitis) adunca* (Panzer, 1798); order: Hymenoptera; family: Megachilidae; genus: *Hoplitis*; subgenus: *Hoplitis*; specificEpithet: *adunca*; scientificNameAuthorship: (Panzer, 1798); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-12; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0691; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: AD79FEF1-996A-523E-840C-1EB082B16D63

***Hoplitis anthocopoides* (Schenck, 1853)****Material**

- a. scientificName: *Hoplitis (Hoplitis) anthocopoides* (Schenck, 1853); order: Hymenoptera; family: Megachilidae; genus: *Hoplitis*; subgenus: *Hoplitis*; specificEpithet: *anthocopoides*; scientificNameAuthorship: (Schenck, 1853); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 3; decimalLatitude: 41.8298456; decimalLongitude: 12.5432538; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-24; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0692; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: E8A13865-AA0B-5CD2-AFA4-A0ECCD184A83

***Hoplitis bisulca* (Gerstaecker, 1869)****Materials**

- a. scientificName: *Hoplitis (Anthocopa) bisulca* (Gerstaecker, 1869); order: Hymenoptera; family: Megachilidae; genus: *Hoplitis*; subgenus: *Anthocopa*; specificEpithet: *bisulca*; scientificNameAuthorship: (Gerstaecker, 1869); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude:

- 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-01; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0449; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 00DAEC0F-2A88-5175-BFEE-B25E02FFB29D
- b. scientificName: *Hoplitis (Anthocopa) bisulca* (Gerstäcker, 1869); order: Hymenoptera; family: Megachilidae; genus: *Hoplitis*; subgenus: *Anthocopa*; specificEpithet: *bisulca*; scientificNameAuthorship: (Gerstäcker, 1869); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-27; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0658; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: B26CA098-F4D5-56DD-B490-8DC743FCF20A

## *Hoplitis cristatula* (var der Zanden, 1990)

### Materials

- a. scientificName: *Hoplitis (Anthocopa) cristatula* (van der Zanden, 1990); order: Hymenoptera; family: Megachilidae; genus: *Hoplitis*; subgenus: *Anthocopa*; specificEpithet: *cristatula*; scientificNameAuthorship: (van der Zanden, 1990); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-12; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0448; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: EC521FB3-90C6-5141-91DC-3D2E137173AA
- b. scientificName: *Hoplitis (Anthocopa) cristatula* (van der Zanden, 1990); order: Hymenoptera; family: Megachilidae; genus: *Hoplitis*; subgenus: *Anthocopa*; specificEpithet: *cristatula*; scientificNameAuthorship: (van der Zanden, 1990); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-24; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0689; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 70F0A75D-2FA0-5364-86E0-07BF483FCA47
- c. scientificName: *Hoplitis (Anthocopa) cristatula* (van der Zanden, 1990); order: Hymenoptera; family: Megachilidae; genus: *Hoplitis*; subgenus: *Anthocopa*; specificEpithet: *cristatula*; scientificNameAuthorship: (van der Zanden, 1990); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-16; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0452; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 28E165C3-9F08-58F5-BB26-BEEBF3970F4
- d. scientificName: *Hoplitis (Anthocopa) cristatula* (van der Zanden, 1990); order: Hymenoptera; family: Megachilidae; genus: *Hoplitis*; subgenus: *Anthocopa*; specificEpithet: *cristatula*; scientificNameAuthorship: (van der Zanden, 1990); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-05; individualCount: 4; sex: 1 male, 3 females; lifeStage: adult; catalogNumber: A0445, A0446, A0447, A0453; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: B88BB7EA-5102-5BE7-B0DA-1DE58F7542B5

***Hoplitis tridentata* (Dufour & Perris, 1840)****Material**

- a. scientificName: *Hoplitis* (*Aldidamea*) *tridentata* (Dufour & Perris, 1840); order: Hymenoptera; family: Megachilidae; genus: *Hoplitis*; subgenus: *Aldidamea*; specificEpithet: *tridentata*; scientificNameAuthorship: (Dufour & Perris, 1840); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-12; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1166; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 3ED66678-C5AB-5034-AC2C-701A3DCC0F3A

***Icteranthidium grohmanni* (Spinola, 1838)****Material**

- a. scientificName: *Icteranthidium* (*Icteranthidium*) *grohmanni* (Spinola 1838); order: Hymenoptera; family: Megachilidae; genus: *Icteranthidium*; subgenus: *Icteranthidium*; specificEpithet: *grohmanni*; scientificNameAuthorship: (Spinola 1838); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-12; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0179; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: DA901621-887D-5852-891C-19D27F70118B

***Lithurgus chrysurus* Fonscolombe, 1834****Materials**

- a. scientificName: *Lithurgus* (*Lithurgus*) *chrysurus* Fonscolombe, 1834; order: Hymenoptera; family: Megachilidae; genus: *Lithurgus*; subgenus: *Lithurgus*; specificEpithet: *chrysurus*; scientificNameAuthorship: Fonscolombe, 1834; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-30; individualCount: 7; sex: females; lifeStage: adult; catalogNumber: A1188, A1189, A1190, A1191, A1193, A1194, A1195; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 779D2673-DFC1-5785-8AE2-BD36A9E7BA73
- b. scientificName: *Lithurgus* (*Lithurgus*) *chrysurus* Fonscolombe, 1834; order: Hymenoptera; family: Megachilidae; genus: *Lithurgus*; subgenus: *Lithurgus*; specificEpithet: *chrysurus*; scientificNameAuthorship: Fonscolombe, 1834; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-24; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1196; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 64A6C69D-95E6-5242-8421-7B59AEFDC616
- c. scientificName: *Lithurgus* (*Lithurgus*) *chrysurus* Fonscolombe, 1834; order: Hymenoptera; family: Megachilidae; genus: *Lithurgus*; subgenus: *Lithurgus*; specificEpithet: *chrysurus*; scientificNameAuthorship: Fonscolombe, 1834; country: Italy;

countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-18; individualCount: 2; sex: 1 male, 1 female; lifeStage: adult; catalogNumber: A1192, A1197; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 11E8EBBF-F2FF-500D-A973-640C0918123F

- d. scientificName: *Lithurgus (Lithurgus) chrysurus* Fonscolombe, 1834; order: Hymenoptera; family: Megachilidae; genus: *Lithurgus*; subgenus: *Lithurgus*; specificEpithet: *chrysurus*; scientificNameAuthorship: Fonscolombe, 1834; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-03; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A2133; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 47FDBA6F-FAE1-59E2-8F41-B866AC3C27FA

## ***Megachile albisecta* (Klug, 1817)**

### **Materials**

- a. scientificName: *Megachile (Creightonella) albisecta* (Klug, 1817); order: Hymenoptera; family: Megachilidae; genus: *Megachile*; subgenus: *Creightonella*; specificEpithet: *albisecta*; scientificNameAuthorship: (Klug, 1817); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insuperata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-30; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1114; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 1C39BE5C-D287-5F60-B183-7C7AD036A874
- b. scientificName: *Megachile (Creightonella) albisecta* (Klug, 1817); order: Hymenoptera; family: Megachilidae; genus: *Megachile*; subgenus: *Creightonella*; specificEpithet: *albisecta*; scientificNameAuthorship: (Klug, 1817); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insuperata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-24; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1136; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 436A26C1-3DA4-5DDE-88B3-99C7FFAA894D
- c. scientificName: *Megachile (Creightonella) albisecta* (Klug, 1817); order: Hymenoptera; family: Megachilidae; genus: *Megachile*; subgenus: *Creightonella*; specificEpithet: *albisecta*; scientificNameAuthorship: (Klug, 1817); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-19; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1118; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: A3135BC5-A795-575B-AF21-0C79F1D86538
- d. scientificName: *Megachile (Creightonella) albisecta* (Klug, 1817); order: Hymenoptera; family: Megachilidae; genus: *Megachile*; subgenus: *Creightonella*; specificEpithet: *albisecta*; scientificNameAuthorship: (Klug, 1817); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 1; decimalLatitude: 41.9345179; decimalLongitude: 12.5453096; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-01; individualCount: 8; sex: 2 males, 6 females; lifeStage: adult; catalogNumber: A1115, A1117, A1138, A1139, A1140, A1141,

- A1142, A1144; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 396BB123-F878-5991-A72B-B214FB4DD402
- e. scientificName: *Megachile (Creightonella) albisecta* (Klug, 1817); order: Hymenoptera; family: Megachilidae; genus: *Megachile*; subgenus: *Creightonella*; specificEpithet: *albisecta*; scientificNameAuthorship: (Klug, 1817); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-01; individualCount: 3; sex: females; lifeStage: adult; catalogNumber: A1135, A1137, A1143; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 1BC9033E-11AC-5B9E-854B-F59821B0BA37
- f. scientificName: *Megachile (Creightonella) albisecta* (Klug, 1817); order: Hymenoptera; family: Megachilidae; genus: *Megachile*; subgenus: *Creightonella*; specificEpithet: *albisecta*; scientificNameAuthorship: (Klug, 1817); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-18; individualCount: 3; sex: 2 males, 1 female; lifeStage: adult; catalogNumber: A1113, A1116, A1134; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: F4C058EA-BCBA-5010-8B65-152DCDB399C5

### ***Megachile apicalis* Spinola, 1808**

#### **Material**

- a. scientificName: *Megachile (Eutricharaea) apicalis* Spinola, 1808; order: Hymenoptera; family: Megachilidae; genus: *Megachile*; subgenus: *Eutricharaea*; specificEpithet: *apicalis*; scientificNameAuthorship: Spinola, 1808; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-12; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1124; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 4444E908-6B95-5B8F-AFC0-9F65D9416191

### ***Megachile argentata* (Fabricius, 1793)**

#### **Material**

- a. scientificName: *Megachile (Eutricharaea) argentata* (Fabricius, 1793); order: Hymenoptera; family: Megachilidae; genus: *Megachile*; subgenus: *Eutricharaea*; specificEpithet: *argentata*; scientificNameAuthorship: (Fabricius, 1793); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-13; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1122; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 17045FB1-6DE5-5AED-98EA-19D33A7E0F31

## *Megachile centuncularis* (Linnaeus, 1758)

### Materials

- a. scientificName: *Megachile (Megachile) centuncularis* (Linnaeus, 1758); order: Hymenoptera; family: Megachilidae; genus: *Megachile*; subgenus: *Megachile*; specificEpithet: *centuncularis*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-12; individualCount: 4; sex: females; lifeStage: adult; catalogNumber: A1171, A1175, A1179, A1186; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 420D04E2-C1DF-57EE-B9E1-78B991340DD8
- b. scientificName: *Megachile (Megachile) centuncularis* (Linnaeus, 1758); order: Hymenoptera; family: Megachilidae; genus: *Megachile*; subgenus: *Megachile*; specificEpithet: *centuncularis*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-29; individualCount: 2; sex: male; lifeStage: adult; catalogNumber: A1126, A1133; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: A2690F5F-C58D-5A8B-A101-B3D772C2BFB7
- c. scientificName: *Megachile (Megachile) centuncularis* (Linnaeus, 1758); order: Hymenoptera; family: Megachilidae; genus: *Megachile*; subgenus: *Megachile*; specificEpithet: *centuncularis*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-30; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1173; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 6E1C2B7C-9FDB-590A-8A83-7C4B68A42446
- d. scientificName: *Megachile (Megachile) centuncularis* (Linnaeus, 1758); order: Hymenoptera; family: Megachilidae; genus: *Megachile*; subgenus: *Megachile*; specificEpithet: *centuncularis*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-30; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1174; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 708D2FAE-6B3B-5B84-A9DA-7DF2956AEC3D
- e. scientificName: *Megachile (Megachile) centuncularis* (Linnaeus, 1758); order: Hymenoptera; family: Megachilidae; genus: *Megachile*; subgenus: *Megachile*; specificEpithet: *centuncularis*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-17; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1178; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: F0585EB3-DFD1-5F85-9A82-8DE0BC938ADA
- f. scientificName: *Megachile (Megachile) centuncularis* (Linnaeus, 1758); order: Hymenoptera; family: Megachilidae; genus: *Megachile*; subgenus: *Megachile*; specificEpithet: *centuncularis*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84;



- coordinatePrecision: 0.0002; eventDate: 2022-09-21; individualCount: 4; sex: 1 male, 3 female; lifeStage: adult; catalogNumber: A1132, A1169, A1172, A1176; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 637DC5B5-6C90-51BC-9169-1F256FB1EB1C
- g. scientificName: *Megachile (Megachile) centuncularis* (Linnaeus, 1758); order: Hymenoptera; family: Megachilidae; genus: *Megachile*; subgenus: *Megachile*; specificEpithet: *centuncularis*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-20; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1177; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 4F57F630-38CD-5B44-9B33-B866D578CA70
- h. scientificName: *Megachile (Megachile) centuncularis* (Linnaeus, 1758); order: Hymenoptera; family: Megachilidae; genus: *Megachile*; subgenus: *Megachile*; specificEpithet: *centuncularis*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-09-04; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1170; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 7F12163C-4AEA-5E92-947C-218A49C1F1B8
- i. scientificName: *Megachile (Megachile) centuncularis* (Linnaeus, 1758); order: Hymenoptera; family: Megachilidae; genus: *Megachile*; subgenus: *Megachile*; specificEpithet: *centuncularis*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-05; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1187; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 0A576D90-45A5-532D-9F35-F26BD4A569F0
- j. scientificName: *Megachile (Megachile) centuncularis* (Linnaeus, 1758); order: Hymenoptera; family: Megachilidae; genus: *Megachile*; subgenus: *Megachile*; specificEpithet: *centuncularis*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-19; individualCount: 2; sex: males; lifeStage: adult; catalogNumber: A2041, A2042; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 68C3DE34-C5AA-5862-987D-609CD5ED7A1C
- k. scientificName: *Megachile (Megachile) centuncularis* (Linnaeus, 1758); order: Hymenoptera; family: Megachilidae; genus: *Megachile*; subgenus: *Megachile*; specificEpithet: *centuncularis*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-24; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A2067, A2068; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: F2142B86-5F6D-5C7A-9963-F9582239F023

## *Megachile ericetorum* (Lepeletier, 1841)

### Materials

- a. scientificName: *Megachile (Pseudomegachile) ericetorum* Lepeletier, 1841; order: Hymenoptera; family: Megachilidae; genus: *Megachile*; subgenus: *Pseudomegachile*; specificEpithet: *ericetorum*; scientificNameAuthorship: Lepeletier, 1841; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-12; individualCount: 3; sex: males; lifeStage: adult; catalogNumber: A1111, A1112, A1121; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 6E6C611A-F9F3-5874-A939-4499849B590F
- b. scientificName: *Megachile (Pseudomegachile) ericetorum* Lepeletier, 1841; order: Hymenoptera; family: Megachilidae; genus: *Megachile*; subgenus: *Pseudomegachile*; specificEpithet: *ericetorum*; scientificNameAuthorship: Lepeletier, 1841; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-10; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1123; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: E9030002-C8AE-5DFA-829B-F5BBA7B271F5
- c. scientificName: *Megachile (Pseudomegachile) ericetorum* Lepeletier, 1841; order: Hymenoptera; family: Megachilidae; genus: *Megachile*; subgenus: *Pseudomegachile*; specificEpithet: *ericetorum*; scientificNameAuthorship: Lepeletier, 1841; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insuperata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-20; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1109; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: CDA9E148-226F-5377-A505-24ABAB25CA59
- d. scientificName: *Megachile (Pseudomegachile) ericetorum* Lepeletier, 1841; order: Hymenoptera; family: Megachilidae; genus: *Megachile*; subgenus: *Pseudomegachile*; specificEpithet: *ericetorum*; scientificNameAuthorship: Lepeletier, 1841; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insuperata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-24; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A1145, A1147; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 40F21782-CEE1-5F38-AA9E-EB2B6CE7F26A
- e. scientificName: *Megachile (Pseudomegachile) ericetorum* Lepeletier, 1841; order: Hymenoptera; family: Megachilidae; genus: *Megachile*; subgenus: *Pseudomegachile*; specificEpithet: *ericetorum*; scientificNameAuthorship: Lepeletier, 1841; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-16; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1108; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 17951200-57CF-53ED-990F-853CF8772FAE
- f. scientificName: *Megachile (Pseudomegachile) ericetorum* Lepeletier, 1841; order: Hymenoptera; family: Megachilidae; genus: *Megachile*; subgenus: *Pseudomegachile*; specificEpithet: *ericetorum*; scientificNameAuthorship: Lepeletier, 1841; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 1; decimalLatitude: 41.9345179; decimalLongitude: 12.5453096; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-05; individualCount: 6; sex: female;

lifeStage: adult; catalogNumber: A1146, A1148, A1149, A1152, A1153, A1161;  
recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID:  
4FC353E1-7A50-5063-8453-AA2E8F4D8B71

- g. scientificName: *Megachile (Pseudomegachile) ericetorum* Lepeletier, 1841; order: Hymenoptera; family: Megachilidae; genus: *Megachile*; subgenus: *Pseudomegachile*; specificEpithet: *ericetorum*; scientificNameAuthorship: Lepeletier, 1841; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-05; individualCount: 8; sex: 2 males, 6 females; lifeStage: adult; catalogNumber: A1110, A1120, A1150, A1151, A1154, A1155, A1156, A1162; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 5E7BCFD0-0769-548D-9450-34E2DEE73FC4

### *Megachile flabellipes* Pérez, 1895

#### Material

- a. scientificName: *Megachile (Eutricharaea) flabellipes* Pérez, 1895; order: Hymenoptera; family: Megachilidae; genus: *Megachile*; subgenus: *Eutricharaea*; specificEpithet: *flabellipes*; scientificNameAuthorship: Pérez, 1895; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-18; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1125; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 9FE7BB66-45A8-5928-A6EE-31E721A9C942

### *Megachile genalis* Morawitz, 1880

#### Material

- a. scientificName: *Megachile (Megachile) genalis* Morawitz, 1880; order: Hymenoptera; family: Megachilidae; genus: *Megachile*; subgenus: *Megachile*; specificEpithet: *genalis*; scientificNameAuthorship: Morawitz, 1880; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-28; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1130; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 73E61E05-CE24-511E-AE01-8AC6F08596CC

### *Megachile marginata* Smith, 1853

#### Material

- a. scientificName: *Megachile (Eutricharaea) marginata* Smith, 1853; order: Hymenoptera; family: Megachilidae; genus: *Megachile*; subgenus: *Eutricharaea*; specificEpithet: *marginata*; scientificNameAuthorship: Smith, 1853; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-30; individualCount: 2; sex: males;

lifeStage: adult; catalogNumber: A1128, A1129; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: F068F718-8FE5-52F8-82E6-1852D6B7068F

## ***Megachile maritima* (Kirby, 1802)**

### **Material**

- a. scientificName: *Megachile (Xanthosarus) maritima* (Kirby, 1802); order: Hymenoptera; family: Megachilidae; genus: *Megachile*; subgenus: *Xanthosarus*; specificEpithet: *maritima*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-06; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1158; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: F978DFBA-6E2D-5BD3-BC70-3EF70A7A38AB

## ***Megachile melanopyga* Costa, 1863**

### **Materials**

- a. scientificName: *Megachile (Megachile) melanopyga* Costa, 1863; order: Hymenoptera; family: Megachilidae; genus: *Megachile*; subgenus: *Megachile*; specificEpithet: *melanopyga*; scientificNameAuthorship: Costa, 1863; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-22; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1119; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: E5991F73-544D-5A42-827A-896823D8687E
- b. scientificName: *Megachile (Megachile) melanopyga* Costa, 1863; order: Hymenoptera; family: Megachilidae; genus: *Megachile*; subgenus: *Megachile*; specificEpithet: *melanopyga*; scientificNameAuthorship: Costa, 1863; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-17; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1165; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 35960970-7183-5F75-9121-2B347139B105
- c. scientificName: *Megachile (Megachile) melanopyga* Costa, 1863; order: Hymenoptera; family: Megachilidae; genus: *Megachile*; subgenus: *Megachile*; specificEpithet: *melanopyga*; scientificNameAuthorship: Costa, 1863; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-23; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1164; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 3304C2F7-E30D-5447-B00C-4D8483A7BBC0
- d. scientificName: *Megachile (Megachile) melanopyga* Costa, 1863; order: Hymenoptera; family: Megachilidae; genus: *Megachile*; subgenus: *Megachile*; specificEpithet: *melanopyga*; scientificNameAuthorship: Costa, 1863; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-09-28; individualCount: 1; sex: female;

- lifeStage: **adult**; catalogNumber: A1163; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 27A44336-BE7C-5CAA-AF7D-492B50D3B461
- e. scientificName: *Megachile (Megachile) melanopyga* Costa, 1863; order: Hymenoptera; family: Megachilidae; genus: *Megachile*; subgenus: *Megachile*; specificEpithet: *melanopyga*; scientificNameAuthorship: Costa, 1863; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-18; individualCount: 1; sex: male; lifeStage: **adult**; catalogNumber: A1167; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: CCB42D1B-9C4E-5432-B6E7-B1D57411E765

## *Megachile octosignata* Nylander, 1852

### Material

- a. scientificName: *Megachile (Megachile) octosignata* Nylander, 1852; order: Hymenoptera; family: Megachilidae; genus: *Megachile*; subgenus: *Megachile*; specificEpithet: *octosignata*; scientificNameAuthorship: Nylander, 1852; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-08-29; individualCount: 1; sex: male; lifeStage: **adult**; catalogNumber: A1127; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 9596B171-D681-5F17-B7B6-F83B44B0A535

## *Megachile parietina* (Geoffroy, 1785)

### Materials

- a. scientificName: *Megachile (Chalicodoma) parietina* (Geoffroy, 1785); order: Hymenoptera; family: Megachilidae; genus: *Megachile*; subgenus: *Chalicodoma*; specificEpithet: *parietina*; scientificNameAuthorship: (Geoffroy, 1785); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-24; individualCount: 2; sex: males; lifeStage: **adult**; catalogNumber: A1180, A1181; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: C4C87FB2-E9A1-5D29-A566-35067BCD5AC7
- b. scientificName: *Megachile (Chalicodoma) parietina* (Geoffroy, 1785); order: Hymenoptera; family: Megachilidae; genus: *Megachile*; subgenus: *Chalicodoma*; specificEpithet: *parietina*; scientificNameAuthorship: (Geoffroy, 1785); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 3; decimalLatitude: 41.8298456; decimalLongitude: 12.5432538; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-24; individualCount: 1; sex: male; lifeStage: **adult**; catalogNumber: A1182; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 760C99C0-F792-552C-BF21-7D740D258F39
- c. scientificName: *Megachile (Chalicodoma) parietina* (Geoffroy, 1785); order: Hymenoptera; family: Megachilidae; genus: *Megachile*; subgenus: *Chalicodoma*; specificEpithet: *parietina*; scientificNameAuthorship: (Geoffroy, 1785); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 3; decimalLatitude: 41.8298456; decimalLongitude: 12.5432538; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-04; individualCount: 1; sex: female;

- lifeStage: **adult**; catalogNumber: **A1185**; recordedBy: **L. Fortini**; identifiedBy: **M. Mei**; collectionCode: **UR3**; occurrenceID: **0A5A7BA6-3C55-51D8-BCD0-A119D53E5764**
- d. scientificName: *Megachile (Chalicodoma) parietina* (Geoffroy, 1785); order: Hymenoptera; family: Megachilidae; genus: *Megachile*; subgenus: *Chalicodoma*; specificEpithet: *parietina*; scientificNameAuthorship: (Geoffroy, 1785); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-04; individualCount: 2; sex: females; lifeStage: **adult**; catalogNumber: **A1183, A1184**; recordedBy: **L. Fortini**; identifiedBy: **M. Mei**; collectionCode: **UR3**; occurrenceID: **76354EFE-BF54-5253-86A5-9F81AE4B6A7F**

## *Megachile sculpturalis* Smith, 1853

### Material

- a. scientificName: *Megachile (Callomegachile) sculpturalis* Smith, 1853; order: Hymenoptera; family: Megachilidae; genus: *Megachile*; subgenus: *Callomegachile*; specificEpithet: *sculpturalis*; scientificNameAuthorship: Smith, 1853; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-24; individualCount: 1; sex: male; lifeStage: **adult**; catalogNumber: **A1168**; recordedBy: **L. Fortini**; identifiedBy: **M. Mei**; collectionCode: **UR3**; occurrenceID: **007E01F5-5997-5449-B740-130B6CA7F3E4**

## *Megachile versicolor* Smith, 1844

### Material

- a. scientificName: *Megachile (Megachile) versicolor* Smith, 1844; order: Hymenoptera; family: Megachilidae; genus: *Megachile*; subgenus: *Megachile*; specificEpithet: *versicolor*; scientificNameAuthorship: Smith, 1844; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-24; individualCount: 1; sex: male; lifeStage: **adult**; catalogNumber: **A1131**; recordedBy: **L. Fortini**; identifiedBy: **M. Mei**; collectionCode: **UR3**; occurrenceID: **87B7385B-DA79-575B-A7E9-904AEF40EE73**

## *Megachile willughbiella* (Kirby, 1802)

### Materials

- a. scientificName: *Megachile (Xanthosarus) willughbiella* (Kirby, 1802); order: Hymenoptera; family: Megachilidae; genus: *Megachile*; subgenus: *Xanthosarus*; specificEpithet: *willughbiella*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-05; individualCount: 1; sex: female; lifeStage: **adult**; catalogNumber: **A1157**; recordedBy: **L. Fortini**; identifiedBy: **M. Mei**; collectionCode: **UR3**; occurrenceID: **2C2A51F7-7CA0-5FD6-8374-5CCB8032858A**

- b. scientificName: *Megachile (Xanthosarus) willughbiella* (Kirby, 1802); order: Hymenoptera; family: Megachilidae; genus: *Megachile*; subgenus: *Xanthosarus*; specificEpithet: *willughbiella*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 1; decimalLatitude: 41.9345179; decimalLongitude: 12.5453096; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-05; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1159; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 8D2D6F57-56C2-5344-9D91-8B5B61FF2EE5
- c. scientificName: *Megachile (Xanthosarus) willughbiella* (Kirby, 1802); order: Hymenoptera; family: Megachilidae; genus: *Megachile*; subgenus: *Xanthosarus*; specificEpithet: *willughbiella*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-16; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A1160; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 98B8CD32-AEFD-5FB3-9B75-9E8131B84113

## *Osmia aurulenta* Panzer, 1799

### Material

- a. scientificName: *Osmia (Helicosmia) aurulenta* (Panzer, 1799); order: Hymenoptera; family: Megachilidae; genus: *Osmia*; subgenus: *Helicosmia*; specificEpithet: *aurulenta*; scientificNameAuthorship: (Panzer, 1799); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-12; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0412; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: E4946332-A8AA-57CF-93E7-A15667AC5B4C

## *Osmia bicornis* (Linnaeus, 1758)

### Materials

- a. scientificName: *Osmia (Osmia) bicornis* (Linnaeus, 1758); order: Hymenoptera; family: Megachilidae; genus: *Osmia*; subgenus: *Osmia*; specificEpithet: *bicornis*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 1; decimalLatitude: 41.9345179; decimalLongitude: 12.5453096; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-28; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0418; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 9521DF49-8F2D-5718-B4EE-A360274EEC11
- b. scientificName: *Osmia (Osmia) bicornis* (Linnaeus, 1758); order: Hymenoptera; family: Megachilidae; genus: *Osmia*; subgenus: *Osmia*; specificEpithet: *bicornis*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-20; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0419; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 65D42DA8-6026-5410-82FB-81AF7AAA71DF

- c. scientificName: *Osmia (Osmia) bicornis* (Linnaeus, 1758); order: Hymenoptera; family: Megachilidae; genus: *Osmia*; subgenus: *Osmia*; specificEpithet: *bicornis*; scientificNameAuthorship: (Linnaeus,1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-28; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0420; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: FB775090-7E59-5DCA-97C5-8454E212DA06

## *Osmia brevicornis* (Fabricius, 1798)

### Materials

- a. scientificName: *Osmia (Metallinella) brevicornis* (Fabricius, 1798); order: Hymenoptera; family: Megachilidae; genus: *Osmia*; subgenus: *Metallinella*; specificEpithet: *brevicornis*; scientificNameAuthorship: (Fabricius, 1798); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-24; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0429; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 9772FBAE-00D8-5DCA-B533-C9BFE6CC9F9F
- b. scientificName: *Osmia (Metallinella) brevicornis* (Fabricius, 1798); order: Hymenoptera; family: Megachilidae; genus: *Osmia*; subgenus: *Metallinella*; specificEpithet: *brevicornis*; scientificNameAuthorship: (Fabricius, 1798); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-15; individualCount: 2; sex: males; lifeStage: adult; catalogNumber: A0426, A0427; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 2E4CCC0D-2F62-5C22-8DC7-ADEC3654D634
- c. scientificName: *Osmia (Metallinella) brevicornis* (Fabricius, 1798); order: Hymenoptera; family: Megachilidae; genus: *Osmia*; subgenus: *Metallinella*; specificEpithet: *brevicornis*; scientificNameAuthorship: (Fabricius, 1798); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude: 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-27; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0432; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 6D3F2E8A-DA85-5A35-81F9-2C754CDA9F96
- d. scientificName: *Osmia (Metallinella) brevicornis* (Fabricius, 1798); order: Hymenoptera; family: Megachilidae; genus: *Osmia*; subgenus: *Metallinella*; specificEpithet: *brevicornis*; scientificNameAuthorship: (Fabricius, 1798); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-27; individualCount: 3; sex: females; lifeStage: adult; catalogNumber: A0430, A0431, A0434; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: BFA2CCBE-0348-51A7-981B-9303146734E9
- e. scientificName: *Osmia (Metallinella) brevicornis* (Fabricius, 1798); order: Hymenoptera; family: Megachilidae; genus: *Osmia*; subgenus: *Metallinella*; specificEpithet: *brevicornis*; scientificNameAuthorship: (Fabricius, 1798); country: Italy; countryCode: IT;



- stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-27; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0435; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: A203230B-A1B8-58AE-9D74-2FB38527C2E0
- f. scientificName: *Osmia (Metallinella) brevicornis* (Fabricius, 1798); order: Hymenoptera; family: Megachilidae; genus: *Osmia*; subgenus: *Metallinella*; specificEpithet: *brevicornis*; scientificNameAuthorship: (Fabricius, 1798); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-12; individualCount: 2; sex: 1 male, 1 female; lifeStage: adult; catalogNumber: A0421, A0433; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 1DD1AAC1-D63B-5A9B-9758-20CF49F502E8
- g. scientificName: *Osmia (Metallinella) brevicornis* (Fabricius, 1798); order: Hymenoptera; family: Megachilidae; genus: *Osmia*; subgenus: *Metallinella*; specificEpithet: *brevicornis*; scientificNameAuthorship: (Fabricius, 1798); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-12; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0425; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 9FF45CAF-94E5-5F90-A207-938320878831
- h. scientificName: *Osmia (Metallinella) brevicornis* (Fabricius, 1798); order: Hymenoptera; family: Megachilidae; genus: *Osmia*; subgenus: *Metallinella*; specificEpithet: *brevicornis*; scientificNameAuthorship: (Fabricius, 1798); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-20; individualCount: 3; sex: 2 males, 1 female; lifeStage: adult; catalogNumber: A0423, A0428, A0436; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: CF3524BD-3395-54E6-B0D6-A1921B1EB234
- i. scientificName: *Osmia (Metallinella) brevicornis* (Fabricius, 1798); order: Hymenoptera; family: Megachilidae; genus: *Osmia*; subgenus: *Metallinella*; specificEpithet: *brevicornis*; scientificNameAuthorship: (Fabricius, 1798); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-01; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0422; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 9A70610D-7B26-519B-93CF-63A43B85BB3C
- j. scientificName: *Osmia (Metallinella) brevicornis* (Fabricius, 1798); order: Hymenoptera; family: Megachilidae; genus: *Osmia*; subgenus: *Metallinella*; specificEpithet: *brevicornis*; scientificNameAuthorship: (Fabricius, 1798); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-04; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0424; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 36D9625D-8655-5E02-A545-9E89B38523CC
- k. scientificName: *Osmia (Metallinella) brevicornis* (Fabricius, 1798); order: Hymenoptera; family: Megachilidae; genus: *Osmia*; subgenus: *Metallinella*; specificEpithet: *brevicornis*; scientificNameAuthorship: (Fabricius, 1798); country: Italy; countryCode: IT;

stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-20; individualCount: 2; sex: males; lifeStage: adult; catalogNumber: A0647, A0649; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 139FE308-C6AC-5BFC-B233-FC38DE750E70

I. scientificName: *Osmia (Metallinella) brevicornis* (Fabricius, 1798); order: Hymenoptera; family: Megachilidae; genus: *Osmia*; subgenus: *Metallinella*; specificEpithet: *brevicornis*; scientificNameAuthorship: (Fabricius, 1798); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-19; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A1984; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 2889777E-0592-5EDC-BD02-361FAE3476A9

## *Osmia caerulescens* (Linnaeus, 1758)

### Materials

- a. scientificName: *Osmia (Helicosmia) caerulescens* (Linnaeus, 1758); order: Hymenoptera; family: Megachilidae; genus: *Osmia*; subgenus: *Helicosmia*; specificEpithet: *caerulescens*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 2; decimalLatitude: 41.8596887; decimalLongitude: 12.4355075; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-14; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0415; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: CB802776-B158-5B44-89C0-E0DF6C84E01A
- b. scientificName: *Osmia (Helicosmia) caerulescens* (Linnaeus, 1758); order: Hymenoptera; family: Megachilidae; genus: *Osmia*; subgenus: *Helicosmia*; specificEpithet: *caerulescens*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-12; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0416; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 60D05E35-7C24-506E-A546-E1BA8D23BEAD
- c. scientificName: *Osmia (Helicosmia) caerulescens* (Linnaeus, 1758); order: Hymenoptera; family: Megachilidae; genus: *Osmia*; subgenus: *Helicosmia*; specificEpithet: *caerulescens*; scientificNameAuthorship: (Linnaeus, 1758); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 1; decimalLatitude: 41.9345179; decimalLongitude: 12.5453096; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-01; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0417; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 14245EEB-D963-52BA-AACA-F32B57C114B6

## *Osmia cephalotes* Morawitz, 1870

### Material

- a. scientificName: *Osmia (Pyrosmia) cephalotes* Morawitz, 1870; order: Hymenoptera; family: Megachilidae; genus: *Osmia*; subgenus: *Pyrosmia*; specificEpithet: *cephalotes*; scientificNameAuthorship: Morawitz, 1870; country: Italy; countryCode: IT; stateProvince:

Roma; locality: Riserva Naturale dell'Insugherata 2; decimalLatitude: 41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-27; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0414; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: A5406B6B-E183-533B-94FA-8EB222395939

## *Osmia latreillei* (Spinola, 1806)

### Materials

- a. scientificName: *Osmia (Helicosmia) latreillei* (Spinola, 1806); order: Hymenoptera; family: Megachilidae; genus: *Osmia*; subgenus: *Helicosmia*; specificEpithet: *latreillei*; scientificNameAuthorship: (Spinola, 1806); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 1; decimalLatitude: 41.9345179; decimalLongitude: 12.5453096; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-28; individualCount: 4; sex: females; lifeStage: adult; catalogNumber: A0408, A0409, A0410, A0411; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 0A0CCF3B-2363-5DC9-B1F6-05CABD4B2670
- b. scientificName: *Osmia (Helicosmia) latreillei* (Spinola, 1806); order: Hymenoptera; family: Megachilidae; genus: *Osmia*; subgenus: *Helicosmia*; specificEpithet: *latreillei*; scientificNameAuthorship: (Spinola, 1806); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-28; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0407; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: C647E15E-F9B4-5AFC-BB86-EDB03B99742F

## *Osmia leaiana* (Kirby, 1802)

### Material

- a. scientificName: *Osmia (Helicosmia) leaiana* (Kirby, 1802); order: Hymenoptera; family: Megachilidae; genus: *Osmia*; subgenus: *Helicosmia*; specificEpithet: *leaiana*; scientificNameAuthorship: (Kirby, 1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-13; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0413; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: D3BD39BA-8992-568D-924F-D3B6D93A5095

## *Osmia ligurica* Morawitz, 1868

### Materials

- a. scientificName: *Osmia (Hoplosmia) ligurica* Morawitz, 1868; order: Hymenoptera; family: Megachilidae; genus: *Osmia*; subgenus: *Hoplosmia*; specificEpithet: *ligurica*; scientificNameAuthorship: Morawitz, 1868; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002;

eventDate: 2022-05-10; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0659; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: F932FDB9-9995-5B06-BB98-638ABB181E8C

- b. scientificName: *Osmia (Hoplosmia) ligurica* Morawitz, 1868; order: Hymenoptera; family: Megachilidae; genus: *Osmia*; subgenus: *Hoplosmia*; specificEpithet: *ligurica*; scientificNameAuthorship: Morawitz, 1868; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-20; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0662; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 49AF52CE-4AB0-5122-A4EF-E7BCD70B9911

## *Osmia melanogaster* Spinola, 1808

### Material

- a. scientificName: *Osmia (Helicosmia) melanogaster* Spinola, 1808; order: Hymenoptera; family: Megachilidae; genus: *Osmia*; subgenus: *Helicosmia*; specificEpithet: *melanogaster*; scientificNameAuthorship: Spinola, 1808; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-12; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0375; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 1E3ABF07-F368-5658-B2E2-7C5DF75083D5

## *Osmia niveata* Fabricius, 1804

### Materials

- a. scientificName: *Osmia (Helicosmia) niveata* (Fabricius, 1804); order: Hymenoptera; family: Megachilidae; genus: *Osmia*; subgenus: *Helicosmia*; specificEpithet: *niveata*; scientificNameAuthorship: (Fabricius, 1804); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-10; individualCount: 2; sex: 1 male, 1 female; lifeStage: adult; catalogNumber: A0378, A0385; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 59F1C0ED-6805-5784-80C3-EDA31DCEEE08
- b. scientificName: *Osmia (Helicosmia) niveata* (Fabricius, 1804); order: Hymenoptera; family: Megachilidae; genus: *Osmia*; subgenus: *Helicosmia*; specificEpithet: *niveata*; scientificNameAuthorship: (Fabricius, 1804); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 3; decimalLatitude: 41.8298456; decimalLongitude: 12.5432538; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-24; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0396; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 3861304C-606A-56E8-AE23-F622056F1138
- c. scientificName: *Osmia (Helicosmia) niveata* (Fabricius, 1804); order: Hymenoptera; family: Megachilidae; genus: *Osmia*; subgenus: *Helicosmia*; specificEpithet: *niveata*; scientificNameAuthorship: (Fabricius, 1804); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude:

- 41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84;  
coordinatePrecision: 0.0002; eventDate: 2022-06-24; individualCount: 1; sex: female;  
lifeStage: adult; catalogNumber: A0381; recordedBy: L. Fortini; identifiedBy: M. Mei;  
collectionCode: UR3; occurrenceID: 29DDF718-9D51-593F-BA5A-9AA86F4D39C6
- d. scientificName: *Osmia (Helicosmia) niveata* (Fabricius, 1804); order: Hymenoptera;  
family: Megachilidae; genus: *Osmia*; subgenus: *Helicosmia*; specificEpithet: *niveata*;  
scientificNameAuthorship: (Fabricius, 1804); country: Italy; countryCode: IT;  
stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 1; decimalLatitude:  
41.9555045; decimalLongitude: 12.4292321; geodeticDatum: WGS84;  
coordinatePrecision: 0.0002; eventDate: 2022-05-27; individualCount: 1; sex: female;  
lifeStage: adult; catalogNumber: A0400; recordedBy: L. Fortini; identifiedBy: M. Mei;  
collectionCode: UR3; occurrenceID: EBAB0AD4-6146-5C4B-B98C-463FB2D925B8
- e. scientificName: *Osmia (Helicosmia) niveata* (Fabricius, 1804); order: Hymenoptera;  
family: Megachilidae; genus: *Osmia*; subgenus: *Helicosmia*; specificEpithet: *niveata*;  
scientificNameAuthorship: (Fabricius, 1804); country: Italy; countryCode: IT;  
stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 2; decimalLatitude:  
41.9599247; decimalLongitude: 12.433852; geodeticDatum: WGS84;  
coordinatePrecision: 0.0002; eventDate: 2022-05-27; individualCount: 1; sex: female;  
lifeStage: adult; catalogNumber: A0404; recordedBy: L. Fortini; identifiedBy: M. Mei;  
collectionCode: UR3; occurrenceID: 7B594063-2B85-51F8-993C-A50F80EBFDFB
- f. scientificName: *Osmia (Helicosmia) niveata* (Fabricius, 1804); order: Hymenoptera;  
family: Megachilidae; genus: *Osmia*; subgenus: *Helicosmia*; specificEpithet: *niveata*;  
scientificNameAuthorship: (Fabricius, 1804); country: Italy; countryCode: IT;  
stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude:  
41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84;  
coordinatePrecision: 0.0002; eventDate: 2022-05-27; individualCount: 5; sex: females;  
lifeStage: adult; catalogNumber: A0397, A0398, A0401, A0405, A0406; recordedBy: L.  
Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: A8F4E8BB-  
ACC4-5FC7-B187-C811A1DBDBF0
- g. scientificName: *Osmia (Helicosmia) niveata* (Fabricius, 1804); order: Hymenoptera;  
family: Megachilidae; genus: *Osmia*; subgenus: *Helicosmia*; specificEpithet: *niveata*;  
scientificNameAuthorship: (Fabricius, 1804); country: Italy; countryCode: IT;  
stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude:  
41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84;  
coordinatePrecision: 0.0002; eventDate: 2022-05-20; individualCount: 6; sex: 1 male, 5  
females; lifeStage: adult; catalogNumber: A0380, A0388, A0394, A0395, A0402, A0403;  
recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID:  
59426B29-E740-52AA-A6A0-CACCF3BE664A
- h. scientificName: *Osmia (Helicosmia) niveata* (Fabricius, 1804); order: Hymenoptera;  
family: Megachilidae; genus: *Osmia*; subgenus: *Helicosmia*; specificEpithet: *niveata*;  
scientificNameAuthorship: (Fabricius, 1804); country: Italy; countryCode: IT;  
stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude:  
41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84;  
coordinatePrecision: 0.0002; eventDate: 2022-05-04; individualCount: 1; sex: male;  
lifeStage: adult; catalogNumber: A0379; recordedBy: L. Fortini; identifiedBy: M. Mei;  
collectionCode: UR3; occurrenceID: 56DBA81B-4914-50AC-80D8-E0623EBA86A7
- i. scientificName: *Osmia (Helicosmia) niveata* (Fabricius, 1804); order: Hymenoptera;  
family: Megachilidae; genus: *Osmia*; subgenus: *Helicosmia*; specificEpithet: *niveata*;  
scientificNameAuthorship: (Fabricius, 1804); country: Italy; countryCode: IT;  
stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 1; decimalLatitude:

41.9345179; decimalLongitude: 12.5453096; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-04-28; individualCount: 5; sex: 1 male, 4 females; lifeStage: adult; catalogNumber: A0376, A0386, A0389, A0391, A0393; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: F0DC214E-1B94-5AB9-BD5B-3CE7933E7038

- j. scientificName: *Osmia (Helicosmia) niveata* (Fabricius, 1804); order: Hymenoptera; family: Megachilidae; genus: *Osmia*; subgenus: *Helicosmia*; specificEpithet: *niveata*; scientificNameAuthorship: (Fabricius, 1804); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-14; individualCount: 7; sex: 1 male, 6 females; lifeStage: adult; catalogNumber: A0377, A0383, A0384, A0387, A0390, A0392, A0399; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: DB484478-EACD-5B84-9FE8-AF3D4CF2ECB1
- k. scientificName: *Osmia (Helicosmia) niveata* (Fabricius, 1804); order: Hymenoptera; family: Megachilidae; genus: *Osmia*; subgenus: *Helicosmia*; specificEpithet: *niveata*; scientificNameAuthorship: (Fabricius, 1804); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 2; decimalLatitude: 41.8596887; decimalLongitude: 12.4355075; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-14; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0382; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 9CF98BE5-C9F5-5415-92AE-BCDC6E4D92E7

## *Osmia rufohirta* Latreille, 1811

### Material

- a. scientificName: *Osmia (Allosmia) rufohirta* Latreille, 1811; order: Hymenoptera; family: Megachilidae; genus: *Osmia*; subgenus: *Allosmia*; specificEpithet: *rufohirta*; scientificNameAuthorship: Latreille, 1811; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-04; individualCount: 2; sex: 1 male, 1 female; lifeStage: adult; catalogNumber: A0373, A0374; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 09A5220E-56D8-5FE8-81EF-2414A5886AB9

## *Osmia scutellaris* Morawitz, 1868

### Material

- a. scientificName: *Osmia (Hoplosmia) scutellaris* Morawitz, 1868; order: Hymenoptera; family: Megachilidae; genus: *Osmia*; subgenus: *Hoplosmia*; specificEpithet: *scutellaris*; scientificNameAuthorship: Morawitz, 1868; country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-20; individualCount: 2; sex: females; lifeStage: adult; catalogNumber: A0637, A0660; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 8686CFDB-318C-5E68-9CE9-D4C0B93C244B

***Osmia spinulosa* (Kirby, 1802)****Material**

- a. scientificName: *Osmia* (*Hoplosmia*) *spinulosa* (Kirby,1802); order: Hymenoptera; family: Megachilidae; genus: *Osmia*; subgenus: *Hoplosmia*; specificEpithet: *spinulosa*; scientificNameAuthorship: (Kirby,1802); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.8928408; decimalLongitude: 12.39932; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-12; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0661; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 9229E143-0527-5ADE-98E5-A3DF9ECD61E2

***Pseudoanthidium melanurum* (Klug, 1832)****Materials**

- a. scientificName: *Pseudoanthidium* (*Royanthidium*) *melanurum* (Klug, 1832); order: Hymenoptera; family: Megachilidae; genus: *Pseudoanthidium*; subgenus: *Royanthidium*; specificEpithet: *melanurum*; scientificNameAuthorship: (Klug, 1832); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-18; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0176; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: D5E691A5-A4A6-54AD-8272-48E0F7A4B9E4
- b. scientificName: *Pseudoanthidium* (*Royanthidium*) *melanurum* (Klug, 1832); order: Hymenoptera; family: Megachilidae; genus: *Pseudoanthidium*; subgenus: *Royanthidium*; specificEpithet: *melanurum*; scientificNameAuthorship: (Klug, 1832); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dei Casali 1; decimalLatitude: 41.8710627; decimalLongitude: 12.4336809; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-14; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0177; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 4A7D57D4-B889-5414-A12A-4ADD18148214
- c. scientificName: *Pseudoanthidium* (*Royanthidium*) *melanurum* (Klug, 1832); order: Hymenoptera; family: Megachilidae; genus: *Pseudoanthidium*; subgenus: *Royanthidium*; specificEpithet: *melanurum*; scientificNameAuthorship: (Klug, 1832); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-12; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0178; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: F5B05EA9-1E0D-5677-8B35-04A5DA9E34B0

***Rhodanthidium septemdentatum* (Latreille, 1809)****Materials**

- a. scientificName: *Rhodanthidium* (*Rhodanthidium*) *septemdentatum* (Latreille, 1809); order: Hymenoptera; family: Megachilidae; genus: *Rhodanthidium*; subgenus: *Rhodanthidium*; specificEpithet: *septemdentatum*; scientificNameAuthorship: (Latreille, 1809); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale

- dell'Appia Antica 2; decimalLatitude: 41.8402564; decimalLongitude: 12.532773; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-24; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0164; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 997085B8-A53A-5AE0-B63F-C577874905B2
- b. scientificName: *Rhodanthidium (Rhodanthidium) septemdentatum* (Latreille, 1809); order: Hymenoptera; family: Megachilidae; genus: *Rhodanthidium*; subgenus: *Rhodanthidium*; specificEpithet: *septemdentatum*; scientificNameAuthorship: (Latreille, 1809); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-10; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0166; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: B102BB5B-BD73-54F2-9A5A-EC8DAF7D3F26
- c. scientificName: *Rhodanthidium (Rhodanthidium) septemdentatum* (Latreille, 1809); order: Hymenoptera; family: Megachilidae; genus: *Rhodanthidium*; subgenus: *Rhodanthidium*; specificEpithet: *septemdentatum*; scientificNameAuthorship: (Latreille, 1809); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-12; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0167; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 7A6C6C42-FCFF-502D-A071-12BCF9C95D5A
- d. scientificName: *Rhodanthidium (Rhodanthidium) septemdentatum* (Latreille, 1809); order: Hymenoptera; family: Megachilidae; genus: *Rhodanthidium*; subgenus: *Rhodanthidium*; specificEpithet: *septemdentatum*; scientificNameAuthorship: (Latreille, 1809); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-16; individualCount: 2; sex: male; lifeStage: adult; catalogNumber: A0163, A0168; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 12986F23-3505-5FD4-B413-D9A999BFEA50
- e. scientificName: *Rhodanthidium (Rhodanthidium) septemdentatum* (Latreille, 1809); order: Hymenoptera; family: Megachilidae; genus: *Rhodanthidium*; subgenus: *Rhodanthidium*; specificEpithet: *septemdentatum*; scientificNameAuthorship: (Latreille, 1809); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.8079275; decimalLongitude: 12.4685548; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-12; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0171; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 364697BC-8EF8-5C7A-A6E1-3190F5872F60
- f. scientificName: *Rhodanthidium (Rhodanthidium) septemdentatum* (Latreille, 1809); order: Hymenoptera; family: Megachilidae; genus: *Rhodanthidium*; subgenus: *Rhodanthidium*; specificEpithet: *septemdentatum*; scientificNameAuthorship: (Latreille, 1809); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-19; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0165; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 2DDE89F9-4254-56A6-8386-7C581B03E670



- g. scientificName: *Rhodanthidium (Rhodanthidium) septemdentatum* (Latreille, 1809); order: Hymenoptera; family: Megachilidae; genus: *Rhodanthidium*; subgenus: *Rhodanthidium*; specificEpithet: *septemdentatum*; scientificNameAuthorship: (Latreille, 1809); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 2; decimalLatitude: 41.928752; decimalLongitude: 12.5562962; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-05; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0162; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 5317D046-18EC-5078-9EBB-C770411856D5
- h. scientificName: *Rhodanthidium (Rhodanthidium) septemdentatum* (Latreille, 1809); order: Hymenoptera; family: Megachilidae; genus: *Rhodanthidium*; subgenus: *Rhodanthidium*; specificEpithet: *septemdentatum*; scientificNameAuthorship: (Latreille, 1809); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Valle dell'Aniene 1; decimalLatitude: 41.9345179; decimalLongitude: 12.5453096; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-01; individualCount: 2; sex: 1 male, 1 female; lifeStage: adult; catalogNumber: A0169, A0170; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 57626599-DF95-5C7B-BC74-42B8E9048BED

## *Trachusa integra* (Eversmann, 1852)

### Materials

- a. scientificName: *Trachusa (Paraanthidium) integra* (Eversmann, 1852); order: Hymenoptera; family: Megachilidae; genus: *Trachusa*; subgenus: *Paraanthidium*; specificEpithet: *integra*; scientificNameAuthorship: (Eversmann, 1852); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 2; decimalLatitude: 41.8316516; decimalLongitude: 12.3999927; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-01; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0174; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: A6C36ACB-3331-55AE-927A-25262B76894E
- b. scientificName: *Trachusa (Paraanthidium) integra* (Eversmann, 1852); order: Hymenoptera; family: Megachilidae; genus: *Trachusa*; subgenus: *Paraanthidium*; specificEpithet: *integra*; scientificNameAuthorship: (Eversmann, 1852); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.9644829; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-05-27; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0175; recordedBy: L. Fortini; identifiedBy: M. Mei; collectionCode: UR3; occurrenceID: 27170E4C-8156-50D9-BCB7-EA5B31E4D0BD

## *Trachusa interrupta* (Fabricius, 1781)

### Materials

- a. scientificName: *Trachusa (Paraanthidium) interrupta* (Fabricius, 1781); order: Hymenoptera; family: Megachilidae; genus: *Trachusa*; subgenus: *Paraanthidium*; specificEpithet: *interrupta*; scientificNameAuthorship: (Fabricius, 1781); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale di Monte Mario; decimalLatitude: 41.9386215; decimalLongitude: 12.4546223; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-19; individualCount: 1; sex: male;

- lifeStage: **adult**; catalogNumber: **A0172**; recordedBy: **L. Fortini**; identifiedBy: **M. Mei**; collectionCode: **UR3**; occurrenceID: **D5E94FEA-F3B6-5FD8-AD09-C115C8DA2F1D**
- b. scientificName: *Trachusa* (*Paraanthidium*) *interrupta* (Fabricius, 1781); order: Hymenoptera; family: Megachilidae; genus: *Trachusa*; subgenus: *Paraanthidium*; specificEpithet: *interrupta*; scientificNameAuthorship: (Fabricius, 1781); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Regionale dell'Appia Antica 1; decimalLatitude: 41.8623941; decimalLongitude: 12.524863; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-12; individualCount: 1; sex: female; lifeStage: **adult**; catalogNumber: **A0173**; recordedBy: **L. Fortini**; identifiedBy: **M. Mei**; collectionCode: **UR3**; occurrenceID: **6E412B0C-FD82-5A58-B8CE-A8823A28DF6C**

## Melittidae Michener, 2000

### *Dasygaster hirtipes* (Fabricius, 1793)

#### Materials

- a. scientificName: *Dasygaster* (*Dasygaster*) *hirtipes* (Fabricius, 1793); order: Hymenoptera; family: Melittidae; genus: *Dasygaster*; subgenus: *Dasygaster*; specificEpithet: *hirtipes*; scientificNameAuthorship: (Fabricius, 1793); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.892841; decimalLongitude: 12.399320; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-10; individualCount: 3; sex: 2 males, 1 female; lifeStage: **adult**; catalogNumber: **A0218, A0220, A0240**; recordedBy: **L. Fortini**; identifiedBy: **L. Fortini**; collectionID: **UR3**; occurrenceID: **F5B9DE86-9BCC-5F15-8D83-45C2744694DA**
- b. scientificName: *Dasygaster* (*Dasygaster*) *hirtipes* (Fabricius, 1793); order: Hymenoptera; family: Melittidae; genus: *Dasygaster*; subgenus: *Dasygaster*; specificEpithet: *hirtipes*; scientificNameAuthorship: (Fabricius, 1793); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Acquafredda; decimalLatitude: 41.892841; decimalLongitude: 12.399320; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-12; individualCount: 16; sex: 11 males, 5 females; lifeStage: **adult**; catalogNumber: **A0221, A0222, A0223, A0224, A0225, A0226, A0227, A0228, A0229, A0230, A0231, A0234, A0235, A0236, A0237, A0239**; recordedBy: **L. Fortini**; identifiedBy: **L. Fortini**; collectionID: **UR3**; occurrenceID: **1FA9B15F-1EF6-5B1A-8258-19051198CCF3**
- c. scientificName: *Dasygaster* (*Dasygaster*) *hirtipes* (Fabricius, 1793); order: Hymenoptera; family: Melittidae; genus: *Dasygaster*; subgenus: *Dasygaster*; specificEpithet: *hirtipes*; scientificNameAuthorship: (Fabricius, 1793); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 2; decimalLatitude: 41.959925; decimalLongitude: 12.433852; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-07-30; individualCount: 1; sex: male; lifeStage: **adult**; catalogNumber: **A0219**; recordedBy: **L. Fortini**; identifiedBy: **L. Fortini**; collectionID: **UR3**; occurrenceID: **4EE88335-CE8B-5FA0-B73A-576638134B73**
- d. scientificName: *Dasygaster* (*Dasygaster*) *hirtipes* (Fabricius, 1793); order: Hymenoptera; family: Melittidae; genus: *Dasygaster*; subgenus: *Dasygaster*; specificEpithet: *hirtipes*; scientificNameAuthorship: (Fabricius, 1793); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale dell'Insugherata 3; decimalLatitude: 41.964483; decimalLongitude: 12.436101; geodeticDatum: WGS84; coordinatePrecision:

- 0.0002; eventDate: 2022-07-30; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0238; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionID: UR3; occurrenceID: C739AE5B-5E3E-5BBA-A50B-810501370B82
- e. scientificName: *Dasygaster (Dasygaster) hirtipes* (Fabricius, 1793); order: Hymenoptera; family: Melittidae; genus: *Dasygaster*; subgenus: *Dasygaster*; specificEpithet: *hirtipes*; scientificNameAuthorship: (Fabricius, 1793); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.807927; decimalLongitude: 12.468555; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-09-14; individualCount: 1; sex: male; lifeStage: adult; catalogNumber: A0217; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionID: UR3; occurrenceID: 63556E66-BC55-58F2-94F3-C1D1457E8C8F
- f. scientificName: *Dasygaster (Dasygaster) hirtipes* (Fabricius, 1793); order: Hymenoptera; family: Melittidae; genus: *Dasygaster*; subgenus: *Dasygaster*; specificEpithet: *hirtipes*; scientificNameAuthorship: (Fabricius, 1793); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Laurentino-Acqua Acetosa; decimalLatitude: 41.807927; decimalLongitude: 12.468555; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-16; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0232; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionID: UR3; occurrenceID: C04987AF-E1C9-57D1-BE64-3BEB2C6DF18E
- g. scientificName: *Dasygaster (Dasygaster) hirtipes* (Fabricius, 1793); order: Hymenoptera; family: Melittidae; genus: *Dasygaster*; subgenus: *Dasygaster*; specificEpithet: *hirtipes*; scientificNameAuthorship: (Fabricius, 1793); country: Italy; countryCode: IT; stateProvince: Roma; locality: Riserva Naturale Tenuta dei Massimi 1; decimalLatitude: 41.8532859; decimalLongitude: 12.3842322; geodeticDatum: WGS84; coordinatePrecision: 0.0002; eventDate: 2022-06-27; individualCount: 1; sex: female; lifeStage: adult; catalogNumber: A0233; recordedBy: L. Fortini; identifiedBy: L. Fortini; collectionID: UR3; occurrenceID: E8A05375-6B34-50CC-87F9-6BBBD6D905C3

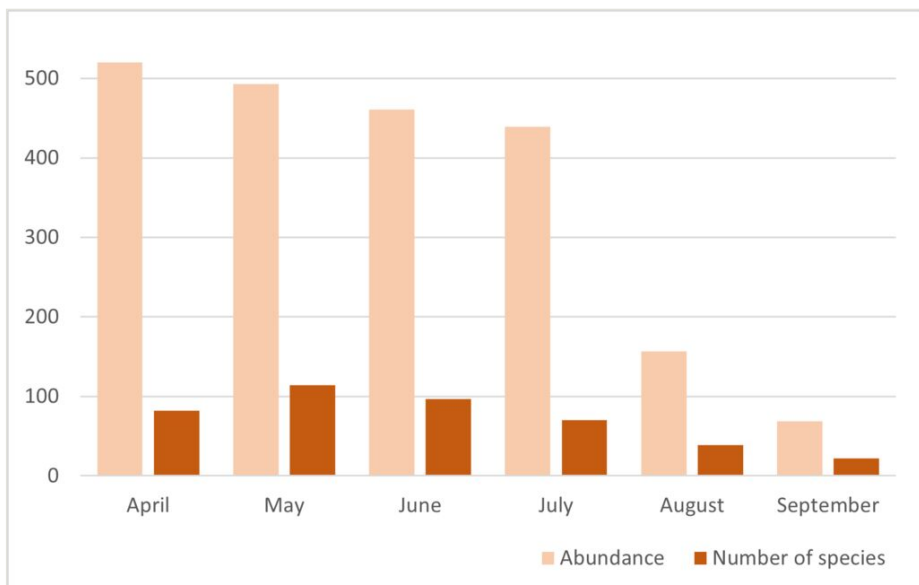
## Analysis

The survey allowed the collection of 2139 specimens (spc.) of Apoidea belonging to 208 species (spp.) in 36 genera and six different families. Amongst the areas we investigated, APP presented both the greatest number of specimens and the greatest number of species collected (448 spc., 110 spp.), followed by INS (329 spc., 93 spp.), VDC (278 spc., 84 spp.), VAN (313 spc., 83 spp.), TDM (269 spc., 73 spp.), LAU (145 spc., 68 spp.), MMA (186 spc., 58 spp.) and ACQ (171 spc., 53 spp.). LAU presented the smallest number of specimens, whereas ACQ presented the lowest number of species (Table 1). The most abundant species were *Halictus scabiosae* (Rossi, 1790) (148 spc.), *Lasioglossum malachurum* (Kirby, 1802) (110 spc.) and *Bombus pascuorum* (Scopoli, 1763) (63 spc.). The species we recorded in the nature reserves selected for the study represent approximately 74% of the known bee species for the area within the GRA of Rome since 1997, 46% of the Latium Region and approximately 20% of Italy. In April, the first month of sampling, we collected the greatest number of bees compared to the other months, while we observed a clear decrease in abundance in August and September compared with the previous months. We found the highest number of species in May (114 spp.), while we found the lowest number of species in September (22 spp.) (Fig. 2).

Table 1.

Absolute abundance and number of species collected in the different urban Nature Reserves of Rome, Italy and relative sampling effort made.

Green area	Abbreviation	n. transects	n. specimens	n. species
Parco Regionale dell'Appia Antica	APP	3	448	110
Riserva Naturale dell'Insugherata	INS	3	329	93
Riserva Naturale Valle dei Casali	VDC	2	278	84
Riserva Naturale Valle dell'Aniene	VAN	2	313	83
Riserva Naturale Tenuta dei Massimi	TDM	2	269	73
Riserva Naturale Laurentino-Acqua Acetosa	LAU	1	145	68
Riserva Naturale di Monte Mario	MMA	1	186	58
Riserva Naturale dell'Acquafredda	ACQ	1	171	53

Figure 2. [doi](#)

Total abundances and number of species of Apoidea collected during each sampling session, from April to September, in the urban Nature Reserves of Rome, Italy.

Halictidae is the most common family, with 788 spc. representing 36% of the samples (Fig. 3a) belonging to 40 species and three genera (19% of the total species) (Fig. 3b). This bee family is the most abundant in six out of the eight nature reserves, except for INS and LAU (Fig. 4a). Apidae counts 505 spc., representing 24% of the samples (Fig. 3a) and belonging to 48 species and 11 genera (23% of the total species) (Fig. 3b). Apidae is

the most abundant family in INS and LAU (Fig. 4a). Andrenidae represents 17% of the samples (Fig. 3a), belonging to 48 species and two genera (23% of the total species) (Fig. 3b). Megachilidae represents 15% of the samples (Fig. 3a), belonging to 52 species and 14 genera (25% of the total species) (Fig. 3b). Colletidae counts 148 spc., representing 7% of the samples (Fig. 3a) and belonging to 19 species and two genera (10% of the total species) (Fig. 3b). Mellittidae is represented just by *Dasypoda hirtipes* (Fabricius, 1793). It represents 1% of the total samples (Fig. 3a). We did not collect Mellittidae from APP, MMA or VDC, whereas, in ACQ, it represented 11% of all the samples (Fig. 4). We found eight species included in the European Wild Bees Red List. One species, *Trachusa interrupta* (Fabricius, 1781), is classified in the category Endangered (EN) and seven species are in the category Near Threatened (NT) (Table 2). Twenty-four species amongst those collected are new records for the urban area of Rome (Table 3).

Table 2.

List of species of Hymenoptera Apoidea collected included in the European Red List (Nieto et al. 2014) and the Italian Red List (Quaranta et al. 2018) of wild bees with a risk classification equal or higher than Least Concern (LC) and sites where they were recorded.

Family	Species	status EU	status IT	Area of recording
Andrenidae	<i>Andrena hattorfiana</i> Fabricius, 1775	NT	DD	INS
Apidae	<i>Epeolus cruciger</i> (Panzer, 1799)	NT	DD	MMA; TDM
Apidae	<i>Nomada argentata</i> Herrich-Schäffer, 1839	NT	NT	APP
Halictidae	<i>Halictus quadricinctus</i> (Fabricius, 1776)	NT	DD	APP; INS; LAU; VAN; VDC
Halictidae	<i>Lasioglossum brevicorne</i> (Schenck, 1868)	NT	DD	LAU; VDC
Halictidae	<i>Lasioglossum pygmaeum</i> (Schenck, 1853)	NT	DD	APP; MMA
Halictidae	<i>Systropha curvicornis</i> (Scopoli, 1770)	NT	DD	ACQ; INS; VDC
Megachilidae	<i>Trachusa interrupta</i> (Fabricius, 1781)	EN	DD	APP; MMA

Table 3.

List of Hymenoptera Apoidea collected that are new records for the Rome area.

Family	Species	Area of recording
Andrenidae	<i>Andrena braunsiana</i> Friese, 1887	INS
Apidae	<i>Nomada basalis</i> Herrich-Schäffer, 1839	LAU; TDM; VDC
Apidae	<i>Nomada insignipes</i> Schmiedeknecht, 1882	LAU
Apidae	<i>Nomada verna</i> Schmiedeknecht, 1882	INS; MMA
Colletidae	<i>Colletes hederæ</i> Schmidt & Westrich, 1993	APP

Family	Species	Area of recording
Colletidae	<i>Colletes marginatus</i> Smith, 1846	LAU
Colletidae	<i>Hylaeus cornutus</i> Curtis, 1831	LAU
Colletidae	<i>Hylaeus difformis</i> (Eversmann, 1852)	INS; VAN
Colletidae	<i>Hylaeus hyalinatus</i> Smith, 1842	APP
Colletidae	<i>Hylaeus punctulatissimus</i> Smith, 1842	LAU
Colletidae	<i>Hylaeus styriacus</i> Förster, 1871	ACQ; TDM
Colletidae	<i>Hylaeus tyrolensis</i> Förster, 1871	ACQ; APP; MMA; TDM; VDC
Halictidae	<i>Lasioglossum crassepunctatum</i> (Blüthgen, 1923)	TDM
Halictidae	<i>Lasioglossum medinai</i> (Vachal, 1895)	ACQ; APP; INS; MMA; TDM; VAN; VDC
Halictidae	<i>Lasioglossum perclavipes</i> (Blüthgen, 1934)	APP
Halictidae	<i>Lasioglossum zonulum</i> (Smith, 1848)	INS
Megachilidae	<i>Coelioxys emarginatus</i> Förster, 1853	VDC
Megachilidae	<i>Hoplitis tridentata</i> (Dufour & Perris, 1840)	APP
Megachilidae	<i>Megachile flabellipes</i> Pérez, 1895	VDC
Megachilidae	<i>Megachile octosignata</i> Nylander, 1852	APP
Megachilidae	<i>Megachile marginata</i> Smith, 1853	INS
Megachilidae	<i>Osmia cephalotes</i> Morawitz, 1870	INS
Megachilidae	<i>Osmia melanogaster</i> Spinola, 1808	LAU
Megachilidae	<i>Pseudoanthidium melanurum</i> (Klug, 1832)	LAU; VDC

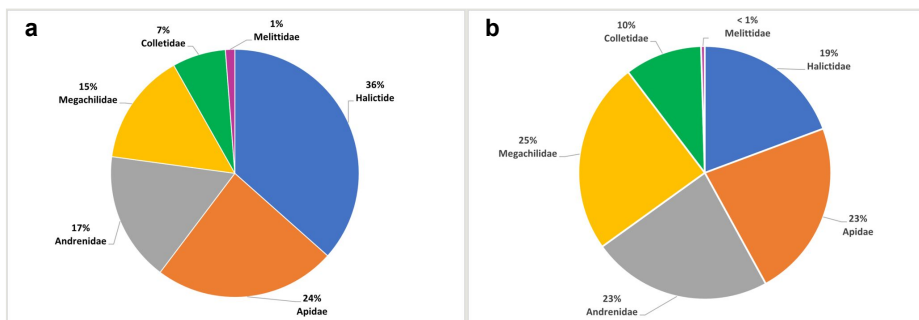


Figure 3.

Apoidea community assemblages in the urban Nature Reserves of Rome, Italy:

**a:** Abundance (% of sampled individuals) of wild bees per family; [doi](#)

**b:** Taxonomic composition (% of species) of wild bees per family. [doi](#)

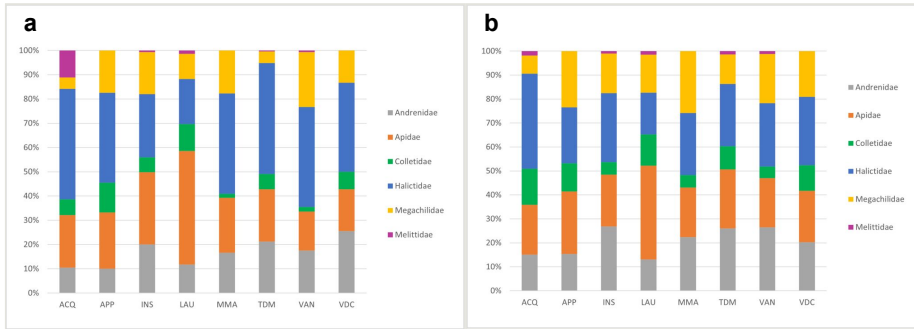


Figure 4.

Apoidea community assemblages in the eight sampling sites:

**a:** Abundance (% of sampled individuals) of wild bees per family; [doi](#)

**b:** Taxonomic composition (% of species) of wild bees per family. [doi](#)

## Discussion

Although the entire experiment and sampling took place over a single year, carried out in eight green areas, using only one collection method (entomological net along fixed transects) and performed by only one operator (LF), we collected 208 species, representing 74% of the wild bee species reported within the urban area of Rome (Comba and Comba 1997), 46% of the Latium Region (Comba and Comba 1991) and 20% of the species reported for Italy (Lhomme et al. 2020, Wood et al. 2023, Cornalba et al. 2024). The percentage of species detected in this experiment, relative to all those cumulative and historically reported for the study area and the addition of twenty-four new taxa represents, in our opinion, a good achievement, showing that an intensive sampling effort may yield new results regarding the distribution of wild bees in southern Europe. To highlight the effectiveness of the work and show with as little approximation as possible the state of the diversity of bees, it is possible to compare the methodological strategy and faunal results reported with the recent article by Geppert et al. (2022), which represents a landmark study on the topic of wild bees in Rome from an ecological point of view. The two sampling strategies are not comparable in terms of collection effort, but they provide an idea of what may be the best approach to use if the goal is to study the alpha diversity of an area. The work of Geppert et al. (2022) resulted in the collection of 3280 wild bees belonging to 96 species, representing 34.5% of the species reported in the urban area of Rome. Geppert's data were collected during four months of sampling, which was carried out at thirty-six sites of different sizes within the GRA and using yellow pan traps. Compared with passive sampling methods such as yellow pan traps, active sampling using entomological netting more exhaustively captures alpha diversity, but results in a bias in the abundances of the groups collected because it is highly dependent on sampler capabilities (Westphal et al. 2008). In this study, we collected data over two more months (April and May), but in only eight large green areas and we collected more than twice the number of species recorded by Geppert et al. (2022). In this way, we provide a recent snapshot of the presence and distribution of wild bee species in

the nature reserves of Rome, representing a starting point for monitoring them in the future. In addition, not all the species collected were reported for the area; in fact, twenty-four species (11% of the spp. collected) are new reports for the urban area of Rome.

In terms of the abundance data, April was the month in which the greatest number of bees were collected overall (Fig. 2). As we expected, from April to July, wild bees were more abundant than they were in August and September, the months in which a significant decrease in abundance was evident. The peak in the species diversity was detected during the May session (114 spp.) and declined steadily until September when only 22 species were detected. In April, the first month of sampling, the number of species detected already amounted to 82. Flower plants provide sustenance to bees and almost all herbaceous plants observed during sampling had completed their flowering period by August. The sampling period was selected according to the guidelines given in the literature for sampling pollinating insects in the Mediterranean environment (Westphal et al. 2008), but in April, the peak of abundance for wild bees may have already been reached and a relatively good number of species is already active. The “heat island effect” produced by large urban centres and the average warmer and drier climate cause pollinators to be active early. For this reason, it would probably be correct to start sampling for pollinator insect studies in early March or even mid-February to obtain more complete information on the presence and abundance of species with early phenology.

Amongst those species we collected, eight are included in the European Red List of bees (Nieto et al. 2014). The presence of Red-listed species within the city shows that large urban green areas can be a refuge not only for wild bee species with a generalist ecology, but also for species with a more restricted ecology and that the nature reserves of Rome allow the survival of rarer species. The work of Fusco et al. (2024), for example, studied ground spider diversity in APP itself and showed that it is true for other groups of arthropods. Focusing on APP, it is the largest urban nature reserve in Europe. It represents a unique case, being a single continuous green area that extends from the city centre to the area outside the city. In this way, APP offers ecological continuity and hosts an exceptionally high biodiversity of botanical species (Iamónico 2022). The diversity of plants in the area is due to the presence of spontaneous, non-native and ornamental herbaceous and shrubby species in villas and home gardens distributed throughout the Reserve. Many plant species can have many different flowering periods that overlap. It can ensure continuity in the supply of resources for pollinators and spontaneous plants, promoting more functionally diverse bee communities (Zaninotto et al. 2023).

This study revealed that, given its unique combination of natural and semi-natural elements embedded in the urban matrix, Rome hosts and offers shelter to a remarkable variety of Apoidea Anthophila, including multiple threatened species. Notably, the bee community was probably not subject to any particular erosion in terms of richness between 1997 and 2022, indicating that the current complexity and repartition of green areas within or at the margin of Rome possibly buffered some of the drivers causing pollinators to decline. However, from a conservation perspective, the protection of urban fauna has to pass through the adoption of correct green management and planning



strategies. Furthermore, faunistic surveys aimed at investigating bee diversity in urban ecosystems should consider the 'heat island effect' that occurs in large urban centres, a phenomenon that affects bee phenology and enhances flowering in plants in an urban context. In this regard, an earlier sampling period in February and March would be desirable to intercept the more precocious species, which we probably did not encounter in the present survey.

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## Author contributions

Lorenzo Fortini designed the sampling protocol, collected the data, prepared specimens and identified part of them, prepared Figs. 1-6 and Tables 1-2, wrote the manuscript; Maurizio Mei identified the specimens and wrote the manuscript; Enrico Ruzzier wrote the manuscript and helped preparing the data; Andrea di Giulio wrote the manuscript, coordinated the research project and was the scientific manager of the grants.

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