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Twenty two years later: An updated checklist of Neotropical spider wasps (Hymenoptera: Pompilidae)

FERNANDO FERNÁNDEZ[1], JUANITA RODRIGUEZ[2], CECILIA WAICHERT[3,4], BRENNA DECKER[5,6] & JAMES PITTS[5,7]

[1]*Instituto de Ciencias Naturales, Universidad Nacional de Colombia, Bogotá D.C., Colombia.*
ffernandezca@unal.edu.co; https://orcid.org/0000-0002-6862-3592
[2]*Australian National Insect Collection, CSIRO, Acton, ACT, Australia.*
juanita.rodriguez@csiro.au; https://orcid.org/000-0001-9922-1978
[3]*Universidade Vila Velha, Vila Velha, ES, Brazil. cwaichert@gmail.com; https://orcid.org/0000-0003-1841-7405*
[4]*Programa de Pós Graduação em Biologia Animal, Universidade Federal do Espírito Santo, Vitória, ES, Brazil.*
[5]*Department of Biology, Utah State University, 5305 Old Main Hill, Logan, UT 84322, USA.*
[6] *brenna.decker@usu.edu; https://orcid.org/0000-0002-9878-1903*
[7] *james.pitts@usu.edu; https://orcid.org/0000-0002-1062-3258*

Abstract

Twenty two years after the first checklist of Neotropical Spider Wasps, a new list of genera and species is offered, including novelties in phylogeny and systematics, as well as reviews, synonyms and descriptions since the year 2000. Sixty three genera and 946 species of Pompilidae are listed.

Key words: Neotropical Pompilidae, Hymenoptera, Species list, new records, synonym

Introduction

Spider hunting wasps (Hymenoptera: Pompilidae) are one of the most common families of wasps in the World, with more than 5,000 described species distributed worldwide (Huber 2017). Although the family is clearly monophyletic, its internal phylogenetic relationships are not satisfactorily resolved. In recent years, however, the use of molecular data and new techniques have begun to offer new insights into the monophyly and relationships between subfamilies and genera (Waichert *et al*. 2015b) and placement within Aculeata (Peters *et al*. 2011; Peters *et al*. 2017; Branstetter *et al*. 2017, other point of view in Brothers 2019). Recent fossil discoveries have provided a clearer picture on the timing and diversification of the group (Rodriguez *et al*. 2017; Waichert *et al*. 2019b).

Pompilids are generally stout-looking wasps with long and spiny legs; they are usually seen performing short flights and quickly flicking their wings and antennae in search for hosts at ground level or low vegetation. They are predominantly dark in color, although some genera have bold colors, and some have aposematic coloration as a result of Müllerian mimicry coevolution with other wasps (Rodriguez *et al*. 2014). All pompilids have a straight oblique groove that divides the mesepisternus into two regions, and most females curl the antennae after death. All Pompilidae females are idiobiont solitary ectoparasitoids (some cenobionts) exclusively of spiders (Fernández *et al*. 2017). Some lineages are kleptoparasitic and there is communal behavior in some females of the tribe Ageniellini (Evans & Shimizu 1996, 1998).

Listing 726 species (764 including subspecies) in 51 genera, the most recent checklist of Neotropical Pompilidae (Fernández 2000) continues to be cited in taxonomic or geographical papers dealing with Neotropical species of spider wasps despite being outdated. This is probably due to the lack of a full catalog of the pompilid fauna, and/or the Neotropical species. Although the phylogeny and taxonomy of Pompilidae has witnessed several recent key studies (see below), there are still a number of issues to be solved in the revision and even delimitation of genera. We offer an update of the 2000 list, by adding 220 species and 12 genera. These are new to the checklist because of new

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records, new literature examined or new nomenclatural prepositions to the pompilid taxa. We also include a short review of the pertinent literature on phylogeny and family systematics for the Neotropical Region since 2000.

Pompiloidea in Aculeata

The superfamily Pompiloidea historically comprises the families Pompilidae and Rhopalosomatidae. Cladistic analyses of morphological data by Brothers & Carpenter (1993) and Brothers (1999) recovered Pompilidae as a member of the Vespoidea and most recently as sister to Rhopalosomatidae or Mutillidae + Sapygidae. Molecular phylogenetic analyses recovered Pompilidae as sister to Mutillidae (in part), Sapygidae and Myrmosinae (Pilgrim *et al*. 2008). This last study revived the superfamily Pompiloidea, including Pompilidae, Mutillidae, Sapygidae and Myrmosidae. Debevec *et al*. (2012) reached similar results in their exploration of the Aculeata phylogeny, with an emphasis on Apoidea. Johnson *et al*. (2013) established sister relationship between Pompilidae and Mutillidae and confirmed the paraphyly of Vespoidea sensu Brothers (1999). Peters *et al*. (2017) studied the evolutionary history of Hymenoptera using 3,256 protein-coding genes from 173 species. The position and composition of Pompiloidea was basically recovered as that of Johnson *et al*. (2013): Pompiloidea as sister of Tiphioidea + Thynnoidea, and within Pompiloidea, Pompilidae as sister to Sapygidae + Mutillidae (Myrmosidae were not included in this study). The same year, an analysis of genome-wide Ultra-Conserved Elements (UCE), recovered the same topology as Peters *et al*. (2017) but included Myrmosidae, which is sister to Mutillidae (Branstetter *et al*. 2017).

Engel & Grimaldi (2006) described a Cretaceous specimen, which at the time was included in Pompilidae. Rodriguez *et al*. (2015a) showed that this fossil species was not a pompilid and belongs to a separate family: Bryopompilidae. This family is of uncertain affiliation within Aculeata. Rodriguez *et al*. (2017) reviewed the Pompilidae fossil fauna and confirmed Late Eocene as the oldest fossil record for the family. Later, Waichert *et al*. (2019b) described an older fossil specimen, shifting the origin of the family to the Ypresian, Early Eocene.

Pompilidae internal phylogeny

The phylogenetic relationship among the pompilid wasps has shown inconsistencies in the reconstruction attempts. Pitts *et al*. (2006) performed a morphological cladistic analysis based on the characters of Shimizu (1994) and proposed the relationships Ceropalinae + (Pepsinae + (Ctenocerinae + Pompilinae)). Notocyphinae was recovered as part of Pompilinae and Epipompilinae (in the sense of Shimizu 1994) was included within Ctenocerinae. The two synapomorphies for Pepsinae + (Ctenocerinae + Pompilinae) were: 1) the female antennae curling in dry specimens and 2) the acute transverse sulcus in the second sternum of the female metasoma. The apicoventral hairs of the apical hind tarsomerus, wide and flattened, were assumed to be plesiomorphic.

The most recent and extensive proposal on the exploration of pompilid internal phylogenetics corresponds to that of Waichert *et al*. (2015b), who used Bayesian (MB) and Maximum Likelihood (ML) analyses of four nuclear markers (elongation factor 1, long wavelength rhodopsin, RNA polymerase II, and 28S ribosomal RNA unit) to resolve the internal relationships of Pompilidae. These authors found that Ctenocerinae is the sister group of (Ceropalinae + Notocyphinae) + (Pompilinae + Pepsinae). The position of Ctenocerinae as a sister group to the rest of Pompilidae supports that of Pitts *et al*. (2006) of having a subfamily with kleptoparasitic wasps as the sister group to the rest of the family. The monophyly of Notocyphinae and its closeness to Ceropalinae were reaffirmed, and the two most diverse subfamilies (Pompilinae and Pepsinae) were recovered together in a single clade. The authors suggested a Nearctic origin of the group, about 47 million years ago, in the middle of the Cenozoic and an earlier diversification, between 35 and 25 million years ago. If this is correct, it implies, according to the authors, that these wasps diversified mostly by dispersal (and not by vicariance of continental masses) and that the decline in diversity from the Eocene—Oligocene did not affect the family (Waichert *et al*. 2015a).

Rodriguez *et al*. (2016b) explored the internal phylogeny of Pompilinae using five nuclear genes (28S ribosomal RNA unit , elongation factor 1, long wavelength rhodopsin, wingless, RNA polymerase II) from 76 taxa in 39 genera using ML and MB analyses. Aporini was the only pompiline tribe recovered as monophyletic. Some genera including *Pompilus* Fabricius 1798 are not monophyletic. Rodriguez *et al*. (2015b) studied the historical biogeography of the tribe Aporini, which originated in the Nearctic region and dispersed to other continents over the course of 22 million years.

Studies in the Neotropics

The Neotropical Region comprises 946 species in 63 genera and 4 subfamilies (Table 1). The North American Pompilidae are better understood, with about 300 known species in 40 genera (Goulet & Huber 1993). Banks's treatment of the South American fauna (1945, 1946, 1947) is far from satisfactory and of limited utility. Bradley (1944) studied the fauna for what we now call Aporini. Evans (1966b, 1968a, 1968b) provided monographs of the Central American Pompilinae.

Since the historical works by Banks (1945, 1946, 1947) and Bradley (1944), some genera have been more critically studied: *Irenangelus* Schulz (Evans 1969c, 1987; Kimsey & Wasbauer 2004), *Aporus* Spinola (Evans 1973a), *Psorthaspis* Banks (Rodríguez *et al*. 2016a), *Epipompilus* Kohl (Evans 1967), *Agenioideus* Ashmead (Evans 1965), *Anoplius* Dufour (Evans 1969b; Pitts *et al*. 2017), *Austrochares* Banks (Evans 1969a), *Neanoplius* Banks (Pitts & Sadler 2019), *Poecilopompilus* Howard (Colomo de Correa 1998), *Priochilus* Banks (Wasbauer *et al*. 2017), *Abernessia* Arlé (Waichert & Pitts 2013; Oliveira *et al.* 2020), *Adirostes* Banks (Roig-Alsina 1986a), *Aridestus* Banks (Evans 1966a), *Aimatocare* Roig-Alsina (Roig-Alsina 1989), *Caliadurgus* Pate (Dreisbach 1961b; Roig-Alsina 1982b), *Dipogon* Fox (Evans 1974), *Chirodamus* Haliday (Evans 1968c; Roig-Alsina 1989), *Eragenia* Banks (Waichert *et al*. 2015a), *Plagicurgus* Roig-Alsina (Roig-Alsina 1982a), *Pepsis* Fabricius (Vardy 2000, 2002, 2005), *Pompilocalus* Roig-Alsina (Roig-Alsina 1989), *Priocnemis* Schiodte (Roig-Alsina 1986b), *Priocnessus* Banks (Dreisbach 1961a), *Sphictostethus* Kohl (Roig-Alsina 1987), *Atopagenia* Wasbauer (Wasbauer 1987), *Auplopus* Spinola (Dreisbach 1963), *Dimorphagenia* Evans and *Mystacagenia* Evans (Evans 1973b, 1980).

Waichert *et al*. (2012a) reviewed the fauna of the Dominican Republic. Waichert *et al*. (2014) listed the fauna of Honduras. Wahis (1995) offered notes on the Nicaraguan pompilid fauna. Fernández *et al*. (2017) offered a synopsis of the Colombian fauna; Castro *et al*. (2014) and Waichert *et al.* (2017) add new records for that country. For Argentina there are revisions for *Entypus* Dahlbom (Roig-Alsina 1981), *Caliadurgus* Pate (Roig-Alsina 1982b) and *Tachypompilus* Ashmead (Colomo de Correa 1987). Roig-Alsina (2005) offered new records and new species from Argentina. Waichert *et al*. (2018) reviewed the *Ageniella* from Brazil, see also Rapoza & Waichert (2022). Wahis & Rojas (2003) offered notes and a synopsis of the Chilean Pompilidae. Rasmussen & Ajenjo (2009) listed the wasps of Peru, including Pompilidae. Corro *et al*. (2011) listed the species of the Parque Nacional Darién in Panama. A new genus, *Pompiliodon* Wasbauer, was proposed by Wasbauer & Kimsey (2019) from French Guiana and Ecuador.

TABLE 1. List of the subfamilies, families, tribes, genera and subgenera of Neotropical spider wasps. After each genus or subgenus the number of Neotropical species is offered, as well as the geographic distribution within the Neotropics.

Subfamily Ceropalinae (2)

Ceropales Latreille, 1796—15, Neotropics

Irenangelus Schulz, 1906—12, Neotropics

Subfamily Notocyphinae (1)

Notocyphus Smith, 1855—71, Neotropics

Subfamily Pompilinae (32)

Aporini (9)

Allaporus Banks, 1933—3, Mexico to Costa Rica

Aporus Spinola, 1808—20, Neotropics

Aporus s. s.—9, Central America and Colombia

Cosmiaporus Bradley, 1944—2, Colombia, Brazil

Neoplaniceps Bradley, 1944—6, West Indies, Central America to Colombia

Notoplaniceps Bradley, 1944—3, Trinidad, Panama to Brazil

Aspidaporus Bradley, 1944—1, Brazil

Chelaporus Bradley, 1944—1 Mexico

Drepanaporus Bradley, 1944—3, Cuba, Puerto Rico, Dominican Republic

Euplaniceps Haupt, 1930—20, Central and South America

Psorthaspis Banks, 1919—25, West Indies, Mexico to Colombia

Rhabdaporus Bradley, 1944—1, Brazil

Tupiaporus Arlé, 1947—1, Brazil

Pompilini (19)
Agenioideus Ashmead, 1902—5, Neotropics
Agenioideus s.s.—1, Central America
Enbanksia Evans1965—2, Costa Rica to Paraguay
Gymnochares Banks, 1917—1 Mexico to Colombia
Ridestus Banks, 1912—1, Mexico
Allochares Banks, 1917—1, Mexico
Ammosphex Wilcke, 1942—2, Neotropics
Anoplioides Haupt, 1950—1, Argentina
Anoplius Dufour, 1834—73, Neotropics
Anopliodes Banks, 1939—4, Neotropics
Anoplius s.s.—13, Neotropics
Arachnophroctonus Howard, 1901—44, Neotropics
Dicranoplius Haupt, 1950—9, West Indies, South America
Lophopompilus Radoszkowski, 1887—3, Mexico, Guatemala, West Indies
Notiochares Banks, 1917—3, Neotropics
Aplochares Banks, 1944—2, Honduras to Brazil
Aporinellus Banks, 1911—5, Neotropical
Arachnospila Kincaid, 1900—6, Peru to Argentina
Aridestus Banks, 1947—3, Andes, Paraguay to Argentina
Austrochares Banks, 1947—5, South America
Episyron Schiødte, 1837—1, Neotropics
Evagetes Lepeletier, 1845—6, Neotropics
Neanoplius Banks, 1947—1, Brazil
Paracyphononyx Gribodo, 1884—13, Central and South America
Poecilopompilus Howard, 1901—9, Neotropics
Tachypompilus Ashmead, 1902—13, Neotropics
Xenanoplius Haupt, 1950 – 1, Brazil
Xenopompilus Evans, 1953—2, Mexico to Costa Rica
Xerochares Evans, 1951—1, Mexico to Colombia
Priochilini (3)
Braunilla Wasbauer & Kimsey, 2019—10, Neotropics
Pompiliodon Wasbauer, 2019—1, Ecuador, French Guiana
Priochilus Banks, 1944—25, Neotropics
Sericopompilini (1)
Sericopompilus Ashmead, 1902—1, Mexico to Costa Rica
Subfamily Pepsinae (30)
Pepsini (22)
Abernessia Arlé, 1947—4, Paraguay, Brazil
Adirostes Banks, 1946—4, Peru
Aimatocare Roig-Alsina, 1989—5, Tropical South America
Anacyphonyx Banks, 1946—6, Brazil to Argentina
Caliadurgus Pate, 1946—29, Neotropics
Calopompilus Ashmead, 1900—1, Guatemala, Honduras
Chirodamus Haliday, 1837—5, Colombia to Argentina

Cryptocheilus Panzer, 1806—5, Central America to Colombia
Dipogon Fox, 1897—14, Dominican Republic, Mexico to Argentina
Entypus Dahlbom, 1843—38, Colombia to Argentina
Epipompilus Kohl, 1884—16, Neotropics
Hemipepsis Bradley, 1944—3, Mexico to Colombia
Herbstellus Wahis, 2002—2, Chile and Argentina
Hypoferreola Ashmead, 1902—1, Argentina
Lepidocnemis Haupt, 1930—1, Argentina
Minagenia Banks, 1934—6, Neotropics
Pepsis Fabricius, 1805—136, Neotropics
Plagicurgus Roig-Alsina, 1982—2, Brazil and Argentina
Pompilocalus Roig-Alsina, 1989—28, South America
Priocnemis Schiødte, 1837—10, Neotropics
Priocnessus Banks, 1925—36, Neotropics
Sphictostethus Kohl, 1884—11, Southern South America

Ageniellini (8)

Ageniella Banks, 1912—74, Neotropics
  Ageniella s.s.—9, West Indies, Mexico to Colombia
  Alasagenia Banks, 1944—10, Neotropics
  Ameragenia Banks, 1945—28, Neotropics
  Cyrtagenia Evans, 1973—2, Panama to Brazil, Peru to Argentina
  Nemagenia Banks, 1944—1, Neotropics
  Neotumagenia Fernández, 1998—1, Colombia and Brazil, Amazon
  Priophanes Banks, 1944—23, Neotropics
Atopagenia Wasbauer, 1987—1, Costa Rica and Panama
Auplopus Spinola, 1841 – 119, Neotropics
Dimorphagenia Evans, 1973—1, Ecuador
Eragenia Banks, 1946—16, Neotropics
Mystacagenia Evans, 1973—5, Panama, Colombia, Brazil to Peru
Phanagenia Banks, 1933 – 1, Mexico
Priocnemella Banks, 1925—9, Neotropics

Few Neotropical species have known host and nesting behavior. Cambra *et al*. (2004) showed data on nest biology and new records from the Neotropics. Kurcsewski *et al*. (2020) offered a detailed list of spider wasps and their hosts for the New World, also adding to their distribution range. Other behavioral observations are found in Kimsey (1980), Wilson & Pitts (2007), Auko *et al*. (2013), Carvalho-Filho *et al*. (2015), Contreras & Téllez (2017), Santos *et al*. (2017), Rapoza *et al*. (2019), Quijano-Cuervo *et al*. (2020), and Falcón-Reibán *et al*. (2021).

Catalogs and keys

There is no taxonomic catalog for the Neotropical Pompilidae. Fernández (2000) offered a preliminary list of the species; Alayo (1969) treated the Ceropalinae and Pepsinae of Cuba; Wahis (2002) and Wahis & Rojas (2003) discussed the fauna of Chile; Snelling & Torres (2004) offer a synopsis of Puerto Rico and British Virgin Islands and Waichert *et al*. (2012a) discussed the Dominican Republic fauna.

Keys to the genera of Pompilinae were offered in Evans (1966b: Central America), Colomo de Correa (1981: Argentina) and Pitts & Sadler (2019: New World). Fernández (2006) offered a key for the Neotropical genera except Pepsini. Fernández *et al*. (2017) offered keys for the genera and species of several Colombian genera, which are useful for northern South America.

Synopsis and species list

As noted above, the taxonomy of several Pompilidae remains in a poor state of knowledge. A catalog is highly desirable, but due to the circumstances outlined above, there are still several problems to be solved in some critical groups to have a more stable taxonomy. For this reason, we believe that it is useful to offer an updated checklist of the subfamilies, tribes, genera and species of the Pompilidae described in the Neotropical Region, a region that includes Mexico, Central America, the Caribbean and all of South America. The present list was made based on the available literature up to the present date, including published behavioral records. The supraspecific synopsis is provided in Table 1. Since there have been numerous tranfers between genus names in the family, Table 2 provides a quick list of synonyms. Table 3 lists the Pompilidae species in the Neotropical Region and includes described sexes (♀, ♂), known distribution, references to descriptions, revisions and/or keys of some taxa.

TABLE 2. Synonymic list of supraspecific Neotropical Pompilidae

Pompilidae
Ceropalidae Radozkowski, 1888 = Pompilidae
Psammocharidae Banks, 1910 = Pompilidae
Ceropalinae
Ceratopales Howard, 1901 = *Ceropales* Latreille
Epipompilinae = Ctenoceratinae = Pepsinae
Pepsinae
Abripepsis Banks, 1946 = *Pepsis* Fabricius
Agriogenia Banks, 1919 = *Dipogon* Fox
Amerocnemis Banks, 1946 = *Aimatocare* Roig-Alsina
Anapriocnemis Haupt, 1959 = *Sphictostethus* Kohl
Auplopodini Haupt = Ageniellini
Allageniella Haupt, 1959 = *Ageniella* subgenus *Ameragenia* Banks
Brachyagenia Haupt, 1959 = *Ageniella* subgenus *Ameragenia* Banks
Calagenia Banks, 1934 = *Auplopus* Spinola
Calicurgus Lepeletier, 1845 = *Caliadurgus* Pate
Calopompilus Banks, 1946 = *Aimatocare* Roig-Alsina
Calopompilus Banks, 1946 = *Pompilocalus* Roig-Alsina
Cirripepsis Banks, 1945 = *Pepsis* Fabricius
Cheilotus Bradley, 1946 = *Entypus* Dahlbom
Chirodamus Townes, 1951 = *Calopompilus* Ashmead
Chirodamus argentinicus group Evans, 1968 = *Aimatocare* Roig-Alsina
Compsagenia Haupt, 1959 = *Minagenia* Banks
Cosmagenia Haupt, 1959 = *Priocnemella* Banks
Derochilus Banks, 1941 = *Calopompilus* Ashmead
Deropepsis Banks, 1946 = *Pepsis* Fabricius
Dinocnemis Banks, 1945 = *Calopompilus* Ashmead
Dinopepsis Banks, 1945 = *Pepsis* Fabricius
Gigantopepsis Lucas, 1919 = *Pepsis* Fabricius
Hovagenia Banks 1941 = *Hemipepsis* Dahlbom
Lophagenia Banks, 1934 = *Auplopus* Spinola
Myrmecosalius Ashmead, 1903 = *Priocnemis* Schiødte
Nannochilus Banks, 1944 = *Minagenia* Banks
Nannopepsis Banks, 1945 = *Pepsis* Fabricius
Onochares Banks, 1933 = *Calopompilus* Ashmead
Ovatopepsis Haupt = *Pepsis* Fabricius
Parageniella Haupt, 1959 = *Ageniella* subgénero *Ameragenia* Banks
Priocnemioides Radoszkowski, 1898 = *Entypus* Dahlbom
Pseudagenia Kohl, 1884 = *Auplopus* Spinola

Pseudageniella Haupt, 1959 = *Ageniella* subgénero *Ameragenia* Banks
Reedimia Banks, 1946 = *Chirodamus* Haliday
Stenopepsis Banks, 1945 = *Pepsis* Fabricius
Trichopepsis Banks, 1945 = *Pepsis* Fabricius
Tumagenia Banks, 1934 = *Auplopus* Spinola
Xenopepsis Arnold, 1932 = *Hemipepsis* Dahlbom

Ctenoceratinae

Aulocostethus Ashmead, 1902 = *Epipompilus* Kohl
Episcothetus Banks, 1947 = *Epipompilus* Kohl

Pompilinae

Anacyphonyx Haupt, 1950 = *Paracyphononyx* Gribodo
Anoplinellus Banks, 1934 = *Anoplius* subgenus *Arachnophroctonus* Howard
Aporoideus Ashmead, 1902 = *Agenioideus* subgenus *Agenioideus* Ashmead
Anotochares Banks, 1939 = *Chalcochares* Banks
Arachnophroctonus Ashmead, 1902 = *Tachypompilus* Ashmead
Batazonus Howard, 1901 = *Poecilopompilus* Howard
Ceratopompilus Bradley, ???? = *Aporinellus* Banks
Dycirtomalis Bradley, 1944 = *Psorthaspis* Banks
Eubatazonus Haupt, 1950 = *Poecilopompilus* Howard
Nannopompilus Ashmead, 1902 = *Evagetes* Lepeletier
Odontaporus Bradley, 1944 = *Aporus* subgenus *Aporus* Spinola
Paracyphonyx Ashmead, 1902 = *Paracyphononyx* Gribodo
Pompilinus Ashmead, 1902 = *Anoplius* subgenus *Arachnophroctonus* Howard
Pompiliodes Radoszkowski, 1887 = *Anoplius* subgenus *Anoplius* Dufour
Pycnopompilus Ashmead, 1902 = *Arachnospila* Kincaid
Sophropompilus Howard, 1901 = *Evagetes* Lepeletier
Spilopompilus Ashmead, 1902 = *Epysiron* Schiødte

Although the list has been based on the literature and in part on the experience of the authors, some species are probably left out, or some are still placed in genera to which they do not correspond. For some names it has not been possible to locate with certainty the author, the date of publication or the sex in which the new taxon is described.

We included records from behavioral observations as these studies have elucidated prey choice and nesting in the family, but poorly highlighted new range additions. Species recorded from Mexico were included in the list either when geographically reported from the Neotropical area, or when reported from Mexico, without state or coordinate distinction. In spite of these shortcomings, the list and references will be helpful to anyone interested in this intriguing family.

Notes on some names in the species list and taxonomic accounts

Pompilidae are a group that presents many taxonomic challenges. In preparing this list, it has been inevitable to find some inconsistencies, incomplete information, as well as synonyms and homonyms have been found. Some cases are listed below, although surely others are waiting to be discovered.

Notocyphus minimus Lucas, 1897 and *Notocyphus minimus* Banks, 1947, possible homonyms. We herein abstain from proposing new name because a revision of *Notocyphus* will be treated elsewhere.

Notocyphus restrictus Townes, 1957 described as a subspecies of *Notocyphus dorsalis* Cresson, 1872.

Auplopus esmeraldus (Banks, 1925) is treated as *Auplopus esmeralda* in Kimsey (1980).

Mystacagenia albiceps Evans, 1973. The following are new records for Costa Rica and Ecuador: COSTA RICA: Ala. 20 Km S Upala, 26.iii-12.iv.1991, F.D. Parker [coll.], 1♀ (Department of Biology Insect Collection, Utah State University, Logan, Utah, EMUS). ECUADOR: Napo, Misahualli nr. Tena, 6-19.x.2001, Mal. Tr., 1f (EMUS).

Remarks. The species was previous know from Brazil and Peru (Evans 1973). This is the first record of the species

from Central America, rising to three the number of species of *Mystacagenia* that occur in Central America, they are *M. albiceps*, *M. elengatula*, and *M. kimseyae*.

Phanagenia bombycina Cresson, 1867. New record for Mexico. MEXICO: 1 ♂, Chiapas, Municipio de San Cristobal de Las Casas. Hills of San Cristobal de Las Casas, 2194 m, viii-ix.1981, D.E. Breedlove (California Academy of Sciences, CASENT).

Remarks. *Phanagenia bombycina* is the only New World species of the genus, and has a Nearctic distribution in the continent (Townes 1957). San Cristobal de Las Casas, in Mexico, is the southernmost record of the species in the New World.

Priocnemella fuscomarginata (Fox, 1897). New record for Panama. PANAMA: 1 ♀, Las Cumbres, 12-18.ix.1982, H. Wolda [coll.] ground (Provincial Museum of Alberta, Edmonton, Alberta, Canada, PMAE), 1 female, Cerro Azul, N of Tocumén, 7.vi.1958, W.J. Hanson coll. (EMUS).

Entypus coeruleus (Taschenberg, 1869), in Fernández (2000), and *Entypus caeruleus* (Linnaeus, 1758), in Waichert *et. al.* (2012a), are treated as *Entypus taschenbergii* (Dalla Torre, 1897) (see Roig-Alsina 1981).

Epipompilus jamaicensis Evans, 1976 is a nomen dubium.

Hypoferreola cephalotes (De Saussure, 1867) is a nomen dubium.

Anoplius (*Arachnophroctonus*) *inculcatrix* (Cameron, 1912) is treated with Cresson as author in Starr & Hook (2003).

Paracyphononyx diabolicus (Holmberg, 1881) must be *Austrochares*.

Priochilus captivum (Fabricius, 1804) must be placed in a different genus, either *Anoplius* or *Paracyphononyx*.

The diversity of spider wasps

With four subfamilies, 63 genera and 946 species, Pompilidae is a moderately-sized family within the stinging Hymenoptera (Aculeata) in the Neotropical region. In the neotropics Pompilidae are surpassed in diversity by Halictidae (1,004 species), Megachilidae (1,014 species), Crabronidae (1,304 species), Vespidae (1,330 species), Mutillidae (1,505 species), Apidae (1,536 species) and Formicidae (3,200 species).

In the World there are 254 valid genera (Loktionov & Lelej 2017) and 4,856 species (Aguiar *et al*. 2013) known for Pompilidae, within which the Neotropical fauna comprises 25% of the genera and 20% of the World's species. The Neotropical fauna of Pompilidae is richer than that of the Australian (45 genera and 256 species: Elliot 2007), Nearctic (41 genera and 290 species: Brothers & Finnamore 1993) and Palearctic (55 genera and 650 species: Loktionov & Lelej 2015) regions.

In the Neotropical region, the subfamilies Pepsinae (30 genera and 589 species) and Pompilinae (30 genera and 259 species) are the largest, and the remaining two subfamilies Ceropalinae (2 genera and 27 species) and Notocyphinae (1 genus and 71 species) comprise a modest number of species (Figures 1 and 2). Most genera have low diversity, and few are better represented. Taking the number of 25 species as an arbitrary level, the most diverse genera are *Pompilocalus* (28), *Caliadurgus* (29), *Priocnessus* (36), *Notocyphus* (71), *Anoplius* (73), *Ageniella* (74), *Auplopus* (119) and *Pepsis* (136) (Figure 1).

Nonetheless, a discussion on generic or specific diversity in Pompilidae should be taken with caution. As has been pointed out by taxonomists such as Evans (1977) or Vardy (2000), the separation of genera and species in this family is notoriously difficult due to the scarcity of external morphology traits to delimit taxa. Only in recent years have molecular phylogeny studies unraveled the phylogeny and internal relationships within the pompilid family and subfamilies (Waichert *et al*. 2015b; Rodríguez *et al*. 2016b). There is still much to do, especially at the species level, with many important and diverse genera in which there are no recent studies that incorporate genes to explore the internal diversity. A good example is *Notocyphus*, a genus without revision and for which there are many collected specimens that do not conform to the already obsolete descriptions or updated keys. The same situation occurs in *Anoplius*, *Auplopus* and many other genera.

The difficulty in sex-association (e.g. Evans 1968c) has resulted in fragmented information on sexes for different species. This is caused either by strong sexual dimorphism or morphological uniformity. There is information on both sexes for only 418 species, females are known for 777 species whereas males are known for 550 species. There is no information on either sex for 52 of the species (Table 3). Current molecular tools and access to DNA in dry collections specimens show promise in accurately establishing sex-associations.

TABLE 3. List of Neotropical species of spider wasps. After each species the known sex is offered (♀= female, ♂ = male, ? = unknown), countries and references. Newly listed species and subspecies are indicated with an asterisk.

Subfamily Ceropalinae				
***Ceropales* Latreille, 1796**				Banks 1947, Rodríguez *et al.* 2021
C. abdominalis (Taschenberg, 1869)		♀♂	Peru, Brazil, Bolivia, Suriname, Paraguay, Argentina	Banks 1947, Rassmusen & Asenjo 2009
C. anomalipes Shuckard, 1837	*	♀♂	Brazil, Colombia, Guiana, Surinam, Paraguay	Móczar 1990
C. azteca (Cameron, 1891)		♀♂	Central America, Colombia	Banks 1947
C. brethesi (Banks, 1947)		♀♂	Brazil, Uruguay, Argentina	Banks 1947
C. basirufus Rohwer, 1913	*	?	Peru	Rassmusen & Asenjo 2009
C. bolivari Banks, 1945		♂	Colombia	Banks 1947
C. chilensis Spinola, 1851	*	♀	Chile	Wahis & Rojas 2003
C. cubensis agilis Smith, 1864	*	♀♂	Guatemala, Nicaragua, Mexico	Móczar 1990
C. cubensis albopicta Cresson, 1869		♀♂	Central America	Banks 1947
C. cubensis cooperi Moczar, 1990	*	♂	Peru, Colombia, Mexico, Costa Rica	Rassmusen & Asenjo 2009, Móczar 1990
C. cubensis cubensis Cresson, 1869		♀♂	Caribbean	Banks 1947, Alayo 1969
C. cubensis menkei Móczar, 1990	*	♀♂	Costa Rica, Venezuela, Trinidad, Ecuador	Móczar 1990
C. cubensis vardyi Moczar, 1990	*	♀♂	Peru, Ecuador, Uruguay	Rassmusen & Asenjo 2009, Móczar 1990
C. elsida Banks, 1947		♀♂	Bolivia, Brazil	Banks 1947
C. femoralis Cresson, 1869	*	♂	Central America	Banks 1947
C. isolde isolde (Banks, 1945)	*	♀	Panamá, Colombia, Ecuador, Venezuela, Costa Rica, Mexico, Peru	Banks 1947, Móczar 1990, Santos *et al.* 2015
C. isolde surinamensis Móczar, 1990	*	♀♂	Suriname, Guiana, Ecuardor	Móczar 1990
C. luctuosa luctuosa (Smith, 1864)	*	?	Peru, Brazil, Suriname	Rassmusen & Asenjo 2009, Móczar 1990
C. luctuosa brasiliensis Móczar, 1990	*	♀♂	Brazil	Móczar 1990
C. mexicana Cresson, 1869	*	♀♂	Mexico, Guatemala	Móczar 1990
C. rugata Townes, 1957	*	♂	México	Banks 1947
C. taschenbergi Dalla Torre, 1897		?	Argentina	Banks 1947
***Irenangelus* Schulz, 1906**				Evans 1969 1987, Kimsey & Wasbauer 2004
I. clarus Evans, 1969		♀♂	Colombia, Brazil, Argentina	Kimsey & Wasbauer 2004, Castro *et al.* 2014
I. crossopus Kimsey & Wasbauer, 2004	*	♀♂	Costa Rica, Panama, Ecuador, Brazil	Kimsey & Wasbauer 2004
I. eberhardi Evans, 1987		♀♂	Costa Rica, Mexico	Kimsey & Wasbauer 2004

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TABLE 3. (Continued)

I. evansi Kimsey & Wasbauer, 2004	*	♀♂	Costa Rica, Panama	Kimsey & Wasbauer 2004
I. furtivus Evans, 1969		♀♂	Panama, Peru, Bolivia, Brazil, Venezuela, Surinam, Guiana	Kimsey & Wasbauer 2004
I. hispaniolae Evans, 1969		♂	Dominican Republic	Kimsey & Wasbauer 2004
I. ichneumonoides Ducke, 1908		♀♂	Costa Rica, Panama, Venezuela, Ecuador, Peru, Brazil, Surinam	Kimsey & Wasbauer 2004
I. lucidus Evans, 1969		♀♂	Costa Rica, Honduras, Panama, Venezuela, Ecuador, Peru, Brazil, Surinam	Kimsey & Wasbauer 2004
I. mexicanus Turner, 1917		♀♂	Mexico, Honduras	Kimsey & Wasbauer 2004
I. townesorum Evans, 1969		♀♂	Mexico, Costa Rica, Panama, Ecuador	Kimsey & Wasbauer 2004
I. reversus (Smith, 1873)		♀♂	Ecuador, Peru, Brazil, Surinam	Kimsey & Wasbauer 2004
I. tucumanus Evans, 1969		♀♂	Argentina	Kimsey & Wasbauer 2004
Subfamily Notocyphinae				Waichert *et al.* 2015b
***Notocyphus* Smith, 1855**				
N. abdominalis Lucas, 1897	*	♂	Brazil	Lucas 1897
N. abnormis Taschenberg, 1869		♂	Brazil	Banks 1947
N. adoletis Banks, 1945		♂	Colombia	Banks 1945
N. albopictus Smith, 1862	*	♂	Mexico	Smith 1862
N. alboplagiatus Smith		♂	Trinidad	Starr & Hook 2003, transcribed in Banks 1947
N. anacaona Rodriguez & Pitts 2012	*	♂	Dominican Republic	Waichert *et al.* 2012
N. apicalis Cameron, 1893	*	♀	Panama	Cameron 1893
N. atratus Banks, 1947		♂	Paraguay	Banks 1947
N. aurantiicornis Lucas, 1897		♀	Brazil	Lucas 1897
N. bicolor Lucas, 1897	*	♀	Colombia	Lucas 1897
N. bimaculatus Lucas, 1897	*	♂	Brazil	Lucas 1897
N. bipartitus Banks, 1947		♀	Ecuador	Banks 1947
N. brevicornis Fox, 1897		♀♂	Brazil, Peru	Banks 1947, Rassmusen & Asenjo 2009
N. chiriquensis Cameron, 1893	*	♀	Panama	Corro & Cambra 2011
N. compressiventris (Cresson, 1865)	*	♀	Cuba	Alayo 1969
N. crassicornis (Smith, 1893)	*	♂	Brazil, Peru	Santos *et al.* 2015

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TABLE 3. (Continued)

N. deceptus Banks, 1947		♂	Brazil	Banks 1947
N. dolorosus Banks, 1947		♂	Brazil	Banks 1947
N. dorsalis dorsalis Cresson, 1872	*	♀	Mexico	Townes 1957
N. dorsalis restrictus Townes 1957	*	♀	Guatemala	Townes 1957
N. entrerrianus Brethes, 1924	*	♀	Argentina	Brethes 1924
N. erythronotus Lucas, 1897	*	♂	Brazil	Lucas 1897
N. femoratus Lucas, 1897	*	♂	Brazil	Lucas 1897
N. ferrugineus Fox, 1897		♀	Brazil	Fox 1897, Banks 1947
N. fraternus Banks, 1947		♂	Ecuador	Banks 1947
N. fulvus Lucas, 1897	*	♂	Brazil	Lucas 1897
N. fuscus Lucas, 1897	*	♀	Brazil	Lucas 1897
N. griseus Lucas, 1897	*	♂	Brazil	Lucas 1897
N. inornatus Banks, 1947		♀	Brazil	Banks 1947
N. jorgenseni Brethes, 1909	*	♀♂	Argentina	Brethes 1909
N. kohli Lucas, 1897	*	♀	Brazil	Lucas 1897
N. laetabilis (Smith, 1873)	*	♀	Brazil, Peru	Smith 1873, Santos *et al.* 2015
N. lucasi Banks, 1945		♂	Trinidad	Banks 1945, Starr & Hook 2003
N. lunulatus Lucas, 1897	*	♂	Bolivia	Lucas 1897
N. luteipennis Lucas, 1897	*	♀	Brazil	Lucas 1897
N. macrostoma Kohl, 1886	*	♀	Brazil	Kohl 1886
N. maculifrons Smith, 1873		♀	Peru	Banks 1947, Rassmusen & Asenjo 2009
N. melanosoma Kohl, 1886		♀	Brazil	Banks 1947
N. minimus Banks, 1931	*	♂	Mexico	Banks 1931
N. minimus Lucas, 1897	*	♂	Brazil	Lucas 1897
N. morosus Banks, 1947		♂	Colombia	Banks 1947
N. multipicta (Smith, 1873)	*	♂	Brazil, Peru	Smith 1873, Santos *et al.* 2015
N. nessus Banks, 1945		♂	Colombia	Banks, 1945
N. nigricornis Banks, 1947	*	♀	Brazil	Banks 1947
N. nigrinus Banks, 1947		♀	Bolivia	Banks 1947

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TABLE 3. (Continued)

N. nubilipennis Fox, 1897		♀	Brazil	Fox 1897
N. obscuripennis Fox, 1897	*	♀	Brazil	Fox 1897
N. octomaculatus Brethes, 1913	*	♂	Argentina	Brethes 1913
N. ornatus Banks, 1947		♂	Ecuador	Banks 1947
N. pallidipennis Banks, 1947		♀	Peru	Banks 1947
N. pictipennis Fox, 1897	*	♀	Brazil	Fox 1897
N. plagiatus (Smith, 1862)	*	♀	Mexico Nicaragua	Wahis 1996
N. prixii Brethes, 1924	*	♀	Argentina	Brethes 1924
N. procris Banks, 1947		♀	Brazil	Banks 1947
N. rixosus Smith, 1855	*	♀	Brazil	Smith 1855
N. rubriventris Brethes, 1909	*	♀	Argentina	Brethes 1909
N. rufigaster Banks, 1945		♂	Colombia	Banks 1945
N. saevissimus Smith, 1855		♀	Brazil, Peru	Santos *et al.* 2015
N. sericeus Banks, 1947		♂	Brazil	Banks 1947
N. sigmoides Banks, 1947		♂	Brazil	Banks 1947
N. signatus Banks, 1947		♂	Peru	Banks 1947
N. similis Fox, 1897	*	♀	Brazil	Fox 1897
N. stahli Lucas, 1897	*	♀	Bolivia	Lucas 1897
N. stimulator Cameron, 1893	*	♂	Panama	Wahis 1996
N. terminatus Fox, 1897	*	♀	Brazil	Fox 1897
N. thetis Banks, 1945		♀	Surinam, Panama, Peru	Banks 1945, Santos *et al.* 2015
N. tyrannicus Smith, 1855		♀	Brazil, British Guiana, Peru	Smith 1855
N. unicinctus Brethes, 1913		♂	Argentina	Brethes 1913
N. variegatus Banks, 1947		♂	Brazil	Banks 1947
N. vindex Smith, 1846		♀	Brazil Peru	Banks 1947, Rassmusen & Asenjo 2009
N. violaceipennis Cameron, 1893	*	♀	Mexico	Cameron 1893
N. williamsi Banks, 1947		♀	Ecuador	Banks 1947
N. xanthoproctus Lucas, 1897	*	♀?	Brazil	Lucas 1897

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TABLE 3. (Continued)

Subfamily Pepsinae				
Tribe Ageniellini				
***Ageniella* Banks, 1912**				
Ageniella subgenus *Ageniella* Banks, 1912				
A. (*A.*) *accepta* (Cresson, 1867)	*	♀♂	Central America	Waichert *et al.* 2019a
A. (*A.*) *bruesi* (Banks, 1928)	*	♀♂	Cuba, Jamaica, Dominican Republic	Alayo 1969, Waichert *et al.* 2012
A. (*A.*) *dominguensis* (Banks, 1944)	*	♀♂	Dominican Republic	Banks 1944, Waichert *et al.* 2012
A. (*A.*) *magdalena* (Banks, 1945)	*	♀♂	Colombia	Dreisbach 1963, Fernández *et al.* 2017
A. (*A.*) *molinor* (Banks, 1925)	*	♀	Costa Rica Honduras Panama	Waichert *et al.* 2014
A. (*A.*) *nivalis* (Cameron, 1893)	*	♀	Mexico, Panama	Wahis 1995
A. (*A.*) *purpuripes* Banks, 1938	*	♂	Cuba	Alayo 1969, Townes 1957
A. (*A.*) *violaceipes* (Cresson, 1865)	*	♀	Cuba, Dominican Republic	Alayo 1969, Waichert *et al.* 2012
A. (*A.*) *wheeleri* (Banks, 1925)	*	♀	Panama	Cambra *et al.* 2004
Ageniella subgenus *Alasagenia* Banks, 1944				
A. (*A.*) *cymbele* Banks, 1946		♂	Paraguay	Banks 1946
A. (*A.*) *cursor* (Smith, 1873)	*	♂	Brazil	Wahis 1995, Waichert *et al.* 2018
A. (*A.*) *curtispinus* (Cameron)	*	♀♂	Brazil, Colombia, Guiana, Peru, Trinidad	Wahis 1995, Castro-Huertas *et al.* 2014, Waichert *et al.* 2018
A. (*A.*) *erichsoni* Banks, 1946		♀	Guiana, Trinidad	Banks 1946, Starr & Hook 2003
A. (*A.*) *difformis* (Banks, 1944)	*	♀	Guiana, Peru, Bolivia	Banks 1944
A. (*A.*) *flavipennis* Banks, 1946	*	♀	Brazil	Banks 1946, Dos Santos *et al.* 2017, Waichert *et al.* 2018
A. (*A.*) *fortipes* (Smith, 1873)	*	♂	Brazil, Peru	Smith 1873, Santos *et al.* 2015
A. (*A.*) *hirsuta* Banks, 1946		♀	Colombia, Ecuador	Banks 1946, Castro *et al.* 2014
A. (*A.*) *pilifrons* (Cameron, 1912)		?	Colombia, Guiana, Peru	Banks 1944, Castro *et al.* 2014, Santos *et al.* 2015
A. (*A.*) *zeteki* (Banks, 1925)	*	♀	Brazil, Colombia, Costa Rica, Ecuador, Panama, Trinidad	Cambra *et al.* 2004, Castro-Huertas *et al.* 2014, Waichert *et al.* 2018
Ageniella subgenus *Ameragenia* Banks, 1945				
A. (*A.*) *adele* Banks, 1946		♀	Bolivia	Banks 1946
A. (*A.*) *alcimeda* Banks, 1946		♀	Peru	Banks 1946

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TABLE 3. (Continued)

A. (*A.*) *agitata* (Smith, 1873)	*	♀	Brazil	Wahis 1995, Waichert *et al.* 2018
A. (*A.*) *anconis* (Banks, 1925)	*	♀	Panama	Cambra 2005, Kimsey 1980
A. (*A.*) *banksii* (Banks, 1946)	*	♀	Brazil	Banks, 1946, Waichert *et al.* 2018
A. (A.) caerulea Rapoza & Waichert, 2022		♀♂	Brazil	Rapoza & Waichert 2022
A. (*A.*) *citricornis* (Fox, 1897)	*	♀	Brazil	Waichert *et al.* 2018
A. (*A.*) *cleora* (Banks, 1946)		♀	Brazil	Banks 1946, Waichert *et al.* 2018
A. (*A.*) *clypeata* (Fox, 1897)	*	♀	Brazil	Waichert *et al.* 2018
A. (*A.*) *dolorosa* Banks, 1946		♀	Argentina, Brazil, Ecuador	Banks 1946, Fernández 2000, Waichert *et al.* 2018
A. (*A.*) *fabricii* (Banks, 1944)		♀♂	British Guiana, Colombia, Ecuador, Honduras, Trinidad, Belize, Bolivia, Costa Rica, Brazil	Banks 1944, Waichert *et al.* 2014, Waichert *et al.* 2018
A. (*A.*) *fragilis* (Fox, 1897)	*	♂	Brazil, Colombia, Honduras	Fernández 2000, Waichert & Pitts 2014, Waichert *et al.* 2018
A. (*A.*) *gracilenta* (Smith, 1873)	*	♂	Brazil	Waichert *et al.* 2018
A. (*A.*) *incrota* (Banks, 1944)		♀	Guiana	Banks 1944, Banks 1946, Dreisbach 1963 (as Auplopus incrotus)
A. (*A.*) *irene* (Banks, 1946)		♀	Colombia	Banks 1946
A. (*A.*) *partita* Banks, 1946		♀	British Guiana	Banks 1946
A. (*A.*) *pretiosa* (Banks, 1946)		♀	Brazil, Colombia, Peru	Banks 1946, Castro-Huertas *et al.* 2014, Waichert *et al.* 2018
A. (*A.*) *rufospina* (Cameron, 1893)	*	♀	Mexico, Panama	Wahis 1995
A. (*A.*) *rustica* (Fabricius, 1804)	*	♀	Brazil	Banks 1946, Waichert *et al.* 2018
A. (*A.*) *rutilis* (Fox, 1897)	*	♂	Brazil	Waichert *et al.* 2018
A. (*A.*) *sanguinolenta* (Smith, 1864)	*	♀♂	Brazil, Colombia, Honduras, Guiana, Peru	Wahis 1995, Castro-Huertas *et al.* 2014, Waichert *et al.* 2014, Santos *et al.* 2015 (as *Ageniella ruficeps* (Smith))
A. (*A.*) *salti* (Banks, 1928)	*	♀♂	Cuba, Dominican Republic, Mexico	Alayo 1969, Waichert *et al.* 2012
A. (*A.*) *serrula* (Fox, 1897)	*	♀	Brazil	Waichert *et al.* 2018
A. (*A.*) *similaris* (Banks, 1946)		♀	Brazil	Banks 1946, Waichert *et al.* 2018
A. (*A.*) *thione* (Banks, 1946)		♀	Brazil	Banks 1946, Evans 1973, Waichert *et al.* 2018
A. (*A.*) *ursula* (Banks, 1944)	*	♀♂	Dominican Republic	Banks, 1944b, Waichert *et al.* 2012

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TABLE 3. (Continued)

A. (*A.*) *varipes* (Fox, 1897)	*	♀	Brazil	Waichert *et al.* 2018
A. (*A.*) *volatilis* (Smith, 1846)		♀	Brazil	Waichert *et al.* 2018
Ageniella subgenus *Cyrtagenia* Evans, 1973				Evans 1973
A. (*C.*) *fallax* (Arlé, 1947)		♀	Argentina, Brazil, Colombia, Panama, Peru	Castro et al. 2014, Waichert *et al.* 2018
A. (*C.*) *innuba* Evans, 1973		♀	Brazil	Evans 1973, Waichert *et al.* 2018
Ageniella subgenus *Nemagenia* Banks, 1944				
A. (*N.*) *longula* (Cresson, 1867)		♀♂	from Mexico to Southern Brazil	Townes 1957, Waichert *et al.* 2018
Ageniella subgenus *Neotumagenia* Fernández, 1998				
A. (*N.*) *amazonica* Fernández, 1998		♀	Colombia, Brazil	Fernández 1998, Waichert *et al.* 2012a
Ageniella subgenus *Priophanes* Banks, 1944				
A. (*P.*) *azteca* (Cameron, 1891)	*	♀♂	Mexico, Panama	Wahis 1995
A. (*P.*) *dowi* (Banks, 1938)	*	♀♂	Cuba, Dominican Republic	Alayo 1969, Banks 1944b, Townes 1957, Waichert *et al.* 2012
A. (*P.*) *basifura* (Fox, 1897)	*	♀	Argentina, Bolivia, Brazil	Fernández 2000, Waichert *et al.* 2018
A. (*P.*) *bradleyi* (Banks, 1946)		♀	Argentina	Banks 1946
A. (*P.*) *cingulata* (Fox, 1897)	*	♂	Brazil	Waichert *et al.* 2018
A. (*P.*) *comes* (Banks, 1946)		♀	Brazil	Banks, 1946, Waichert *et al.* 2018
A. (*P.*) *dolorosa* (Banks, 1946)	*	♀	Argentina, Brazil, Ecuador	Banks 1946, Fernández 2000, Waichert *et al.* 2018
A. (*P.*) *erythropoda* (Banks, 1946)		?	Brazil	Banks, 1946, Waichert *et al.* 2018
A. (*P.*) *erythroptera* (Banks, 1946)		♀	Brazil	Banks 1946, Waichert *et al.* 2018
A. (*P.*) *eudora* Banks, 1945		♀	Colombia	Banks 1946
A. (*P.*) *juno* (Cameron, 1893)	*	♀	Mexico	Wahis 1995
A. (*P.*) *moesta* (Banks, 1945)		♀	Colombia	Banks 1945, 1946
A. (*P.*) *nigerrima* (Fox, 1897)		♀	Brazil, Colombia	Fernández 2000, Waichert *et al.* 2018
A. (*P.*) *otiosa* (Banks, 1946)		♀	Bolivia, Brazil	Banks 1946, Waichert *et al.* 2018
A. (*P.*) *pallicornis* (Banks, 1946)		♀	Brazil	Banks 1946, Waichert *et al.* 2018
A. (*P.*) *parkeri* (Banks, 1925)	*	♀	Panama	Banks 1925, Cambra *et al.* 2004
A. (*P.*) *pictipennis* (Banks, 1946)		♀	Brazil	Banks 1946, Waichert *et al.* 2018
A. (*P.*) *posticada* (Banks, 1946)	*	♀	Argentina	Banks 1946
A. (*P.*) *rufigaster* (Banks, 1946)		♀	Brazil	Banks 1946, Waichert *et al.* 2018

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TABLE 3. (Continued)

A. (*P.*) *rufitarsis* (Fox, 1897)	*	♀	Brazil	Waichert *et al.* 2018
A. (*P.*) *rufofemorata* (Taschemberg, 1869)		♀	Argentina	Banks 1946
A. (P.) ruschi Rapoza & Waichert, 2022		♀	Brazil	Rapoza & Waichert 2022
A. (*P.*) *sericosoma* (Banks, 1946)		♀♂	Brazil	Banks 1946, Waichert *et al.* 2018
***Atopagenia* Wasbauer, 1987**				
A. menkei Wasbauer, 1987	y	h	Costa Rica Panama	Wasbauer 1987
***Auplopus* Spinola, 1845**				
A. abnormalis Dreisbach, 1963		♂	Panama	Dreisbach 1963
A. aeruginosus Dreisbach, 1963	*	♂	Trinidad	Dreisbach 1963
A. alarius Dreisbach, 1963		♀	Brazil	Dreisbach 1963
A. albifrons Dreisbach, 1963		♂	Trinidad	Dreisbach 1963
A. amalotis (Banks, 1946)		♀	Brazil	Dreisbach 1963
A. amoenus Dreisbach, 1963	*	♂	Mexico	Dreisbach 1963
A. anthracinus Dreisbach, 1963		♂	Panama	Dreisbach 1963
A. aquilus Dreisbach, 1963		♀	Nicaragua, Cuba	Dreisbach 1963
A. argentinensis Dreisbach, 1963		♀	Brazil	Dreisbach 1963
A. argentinus Dreisbach, 1963		♂	Panama	Dreisbach 1963
A. argutus Dreisbach, 1963		♀	Brazil	Dreisbach 1963
A. associatus (Banks, 1946)		♀	Colombia, Ecuador	Dreisbach 1963
A. ater Dreisbach, 1963		♂	Brazil	Dreisbach 1963
A. atratus Dreisbach, 1963	*	♂	Mexico	Dreisbach 1963
A. aurarius Dreisbach, 1963		♀	Bolivia	Dreisbach 1963
A. auripilus (Cresson, 1869)		♀♂	Costa Rica, Mexico	Dreisbach 1963, Quijano-Cuervo *et al.* 2020
A. basalis (Fox, 1897)		♂	Brazil	Dreisbach 1963
A. batesi Dreisbach, 1963		♀	Brazil	Dreisbach 1963
A. bermudensis Dreisbach, 1963		♀	Bermudas	Dreisbach 1963
A. bellus (Cresson, 1865)		♀♂	Cuba to Puerto Rico, Jamaica, Dominican Republic	Alayo 1969, Snelling & Torres, 2004, Waichert *et al.* 2012
A. bequaerti Dreisbach, 1963		♂	Guatemala	Dreisbach 1963
A. blatteus Dreisbach, 1963		♀	Nicaragua	Dreisbach 1963

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TABLE 3. (Continued)

A. brasiliensis Dreisbach, 1963		♂	Brazil	Dreisbach 1963
A. buscki Dreisbach, 1963		♂	Trinidad	Dreisbach 1963
A. callainus Dreisbach, 1963		♀	Panama	Dreisbach 1963
A. caeruleosoma (Banks, 1946)	*	♀	Peru	Rasmussem & Asenjo 2009
A. clypeatus Dreisbach, 1963		♂	Honduras	Dreisbach 1963
A. chloris (Cresson, 1891)	*	♀	Mexico	Dreisbach 1963
A. comparatus (Smith, 1873)		♀	Costa Rica, Trinidad, Guiana, Brazil	Dreisbach 1963
A. coracinus Dreisbach, 1963		♂	Argentina	Dreisbach 1963
A. cordobensis Dreisbach, 1963		♂	Argentina	Dreisbach 1963
A. cressoni (Cameron, 1891)		♀	Mexico, Guatemala	Dreisbach 1963
A. curvinervis (Cameron, 1891)		♀	Panama	Dreisbach 1963
A. cyaneus Dreisbach, 1963		♀♂	Venezuela	Dreisbach 1963
A. charlesi Waichert & Pitts, 2012	*	♀	Dominican Republic	Waichert *et al.* 2012
A. deceptor (Smith, 1873)	*	♀	Brazil, Peru	Smith 1873, Santos *et al.* 2015
A. dietzi Dreisbach, 1963		♀	Panama	Dreisbach 1963
A. earinus Dreisbach, 1963		♀	Panama	Dreisbach 1963
A. editorialis Dreisbach, 1963		♂	Ecuador	Dreisbach 1963
A. eriodes Dreisbach, 1963		♀	Peru	Dreisbach 1963
A. esmeraldus (Banks, 1925)		♀	Costa Rica, Panama	Dreisbach 1963
A. exilis Dreisbach, 1963		♀	Panama	Dreisbach 1963
A. femoratus (Fabricius, 1804)		♂	Trinidad, Guiana, Brazil	Dreisbach 1963
A. femur-rubrus Dreisbach, 1963		♀	Panama	Dreisbach 1963
A. ferrugineus Dreisbach, 1963		♀	Brazil	Dreisbach 1963
A. flavicrus Dreisbach, 1963		♂	British Guiana	Dreisbach 1963
A. fulgidus Dreisbach, 1963	*	♀	Mexico	Dreisbach 1963
A. fuscus Dreisbach, 1963		♀	Costa Rica	Dreisbach 1963
A. gaumeri Dreisbach, 1963	*	♂	Mexico	Dreisbach 1963
A. gentilis (Cameron, 1891)		♀	Panama	Dreisbach 1963
A. gertschi Dreisbach, 1963		♂	Panama	Dreisbach 1963

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TABLE 3. (Continued)

A. grossus Dreisbach, 1963		♀	Panama	Dreisbach 1963
A. guatemalensis Dreisbach, 1963		♀	Guatemala	Dreisbach 1963
A. hidalgoensis Dreisbach, 1963	*	♀	Mexico	Dreisbach 1963
A. hispidus Dreisbach, 1963		♀	Guatemala	Dreisbach 1963
A. hondurensis Dreisbach, 1963		♂	Honduras	Dreisbach 1963
A. incognitus (Smith)		♀	Mexico, Costa Rica	Dreisbach 1963
A. iolanthe (Banks, 1925)		♀	Panama	Dreisbach 1963
A. kathryni Dreisbach, 1963	*	♀	Mexico	Dreisbach 1963
A. lasios Dreisbach, 1963		♀	Peru	Dreisbach 1963
A. lineatus Dreisbach, 1963		♀	Guatemala, Panama	Dreisbach 1963
A. lorenzanus (Banks, 1945)		♀	Colombia	Banks 1945
A. marginalis Dreisbach, 1963		♂	Mexico	Dreisbach 1963
A. magnus Dreisbach, 1963		♀	Costa Rica	Dreisbach 1963
A. malinus Dreisbach, 1963	*	♂	Brazil	Dreisbach 1963
A. medius Dreisbach, 1963		♀	Guatemala	Dreisbach 1963
A. mendicus (Banks, 1946)		♀	Ecuador	Banks 1946
A. mexicanus (Cresson, 1867)		♀	Mexico, America Central	Dreisbach 1963
A. militaris (Lynch-Arribálzaga, 1873)		♀♂	Argentina, Brazil, Costa Rica, Peru	Dreisbach 1963, Kurczewski *et al.* 2020
A. minimus Dreisbach, 1963	*	♀	Mexico	Dreisbach 1963
A. minus Dreisbach, 1963		♀	Panama	Dreisbach 1963
A. minusculus Dreisbach, 1963		♀	Panama	Dreisbach 1963
A. montanus Alayo, 1969	*	♀	Cuba	Alayo 1969
A. montezuma (Smith, 1862)	*	♂	Mexico	Dreisbach 1963
A. montivagus (Cameron, 1891)	*	♀	Mexico	Dreisbach 1963
A. nebulosus Dreisbach, 1963		♀	Costa Rica	Dreisbach 1963
A. nabori Alayo, 1969	*	♀	Cuba	Alayo 1969
A. niger Dreisbach, 1963		♂	Costa Rica	Dreisbach 1963
A. nigriculus Dreisbach, 1963		♀	Panama	Dreisbach 1963
A. olivarus Dresibach, 1963		♀	Panama	Dreisbach 1963

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TABLE 3. (Continued)

A. obscurus (Banks, 1946)		♀	Panama	Banks 1946
A. opacus Dreisbach, 1963		♀	Panama	Dreisbach 1963
A. panamensis Dreisbach, 1963		♀	Panama	Dreisbach 1963
A. paniquitus (Banks, 1946)		♀	Colombia	Banks 1946
A. perditus (Cameron, 1891)	*	♀	Mexico	Dreisbach 1963
A. peruana (Banks, 1946)	*	♀	Peru	Rasmussen & Asenjo 2009
A. pratens Dreisbach, 1963		♀	Brazil	Dreisbach 1963
A. pratentis Dreisbach, 1963		♀♂	Brazil	Dreisbach 1963
A. princeps (Banks, 1943)		♀	Mexico, Brazil	Banks 1943, Dreisbach 1963
A. puniceus Dreisbach, 1963		♀♂	Brazil, Paraguay	Dreisbach 1963
A. purpureus Dreisbach, 1963			Panama	Dreisbach 1963
A. pygidialis Dreisbach, 1963		♀	Amazonas	Dreisbach 1963
A. quartus Dreisbach, 1963		♀	Costa Rica	Dreisbach 1963
A. rufipes (Banks, 1946)		♀♂	Brazil	Banks 1946
A. robustus (Banks, 1945)		♀	Colombia, Ecuador	Banks 1945
A. roseus Dreisbach, 1963	*	♀	Mexico	Dreisbach 1963
A. sapphirus Dreisbach, 1963		♀	Costa Rica	Dreisbach 1963
A. schausi Dreisbach, 1963		♂	British Guiana	Dreisbach 1963
A. semialatus Dreisbach, 1963		♀♂	Panama	Dreisbach 1963
A. semirufus Dreisbach, 1963		♂	Panama, Mexico	Dreisbach 1963
A. stagei Dreisbach, 1963		♂	Surinam	Dreisbach 1963
A. striatus Dreisbach, 1963		♀	Peru	Dreisbach 1963
A. shannoni Dreisbach, 1963		♀	Panama	Dreisbach 1963
A. smithi (Dalla Torre, 1897)		♀♂	Panama, British Guiana	Dreisbach 1963
A. splendens Dreisbach, 1963		♀	Panama	Dreisbach 1963
A. subaurarius Dreisbach, 1963		♀	Brazil	Dreisbach 1963
A. subvirescens (Cresson, 1867)	*	♀	Mexico	Dreisbach 1963
A. tarsatus (Smith, 1873)		♀♂	British Guiana, Brazil	Dreisbach 1963
A. testaceus (Fox, 1897)		♂	Brazil	Fox 1897

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TABLE 3. (Continued)

A. venetus Dreisbach, 1963		♀	Panama	Dreisbach 1963
A. villosus Dreisbach, 1963		♀	Costa Rica	Dreisbach 1963
A. viridulus Dreisbach, 1963		♂	Brazil	Dreisbach 1963
A. violaceus Dreisbach, 1963		♀	Trinidad, Panama	Dreisbach 1963, Cambra *et al.* 2004
A. viridis (Smith, 1864)		♀	Colombia	Dreisbach 1963
A. vulcanensis Dreisbach, 1963	*	♂	Mexico	Dreisbach 1963
A. wheeleri (Banks, 1945)		♀	British Guiana	Banks 1945, Dreisbach 1963
A. woodi Dreisbach, 1963		♂	Mexico, Honduras	Dreisbach 1963
A. zeteki Dreisbach, 1963		♀	Mexico, Panama	Dreisbach 1963
A. taino Snelling & Torres, 2004	*	♀	Puerto Rico	Snelling & Torres 2004
***Dimorphagenia* Evans, 1973**				
D. naumanni Evans, 1973		♀♂	Ecuador	Evans 1973
***Eragenia* Banks, 1946**				
E. abdominalis (Smith, 1864)	*	♀♂	Brazil, Peru	Waichert *et al.* 2015
E. amabilis Taschenberg, 1869	*	♀♂	Brazil, Bolivia, Colombia, Ecuador, Trinidad	Banks 1945, Evans, 1973, Waichert *et al.* 2015
E. aureicornis (Smith, 1873)	*	♀♂	Argentina, Brazil, British Guiana, Bolivia, Costa Rica, Ecuador, French Guiana, Peru, Trinidad	Banks 1944, 1945, Rasmussen & Asenjo 2009, Waichert *et al.* 2015
E. bella Waichert & Pitts, 2014	*	♀	Costa Rica, Guatemale, Panama	Waichert *et al.* 2015
E. carinata Waichert & Pitts, 2014	*	♀	Colombia	Waichert *et al.* 2015
E. coerulipes (Smith, 1862)	*	♀♂	Costa Rica, Colombia, Guatemala, Mexico, Panama	Waichert *et al.* 2015
E. congrua (Fox, 1897)	*	♀♂	Brazil, Colombia, Ecuador, French Guiana, Peru, Venezuela	Waichert *et al.* 2015
E. dentata Waichert & Pitts, 2014	*	♀♂	Costa Rica, Mexico	Waichert *et al.* 2015
E. isolata (Banks, 1925)	*	♀♂	Brazil, Colombia, Costa Rica, Ecuador, French Guiana, Panama, Trinidad, Venezuela	Waichert *et al.* 2015
E. micans (Fabricius, 1804)	*	♀♂	from Costa Rica to Southern Brazil	Rasmussen & Asenjo 2009, Wasbauer 1985, Waichert *et al.* 2015
E. oliva Waichert & Pitts, 2014	*	♀♂	Belize, Costa Rica, Mexico	Waichert *et al.* 2015
E. pseudomicans Waichert & Pitts, 2014	*	♀♂	Costa Rica, Honduras, Panama	Waichert *et al.* 2015
E. rotunda Waichert & Pitts, 2014	*	♂	Costa Rica	Waichert *et al.* 2015

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TABLE 3. (Continued)

E. setosa Waichert & Pitts, 2014	*	♀	Costa Rica	Waichert *et al.* 2015
E. tabascoensis (Cameron, 1891)	*	♀♂	Belize, Colombia, Costa Rica, Ecuador, Guatemala, Honduras, Mexico, Nicaragua	Waichert *et al.* 2015
E. villosa Waichert & Pitts, 2014	*	♀♂	Costa Rica, Nicaragua, Panama	Waichert *et al.* 2015
***Mystacagenia* Evans, 1973**				
M. albiceps Evans, 1973		♀	Costa Rica, Ecuador, Brazil, Peru	Evans 1973, Cambra *et al.* 2020, new record (Costa Rica, Ecuador)
M. bellula Evans, 1973		♀	Colombia, Peru	Evans 1973, Castro *et al.* 2014
M. elengatula Evans, 1980		♀	Panama	Evans 1973, 1980
M. kimseyae Cambra & Wasbauer, 2020	*	♀	Panama	Cambra *et al.* 2020
M. variegata Evans, 1973		♀	Brazil	Evans 1973
***Phanagenia* Banks, 1933**				
Phanagenia bombycina Cresson, 1867	*	♂	Mexico	**new record**
***Priocnemella* Banks, 1925**				
P. aurodecorata (Cameron, 1912)	*	♀	British Guiana	Cameron 1912
P. insignis (Banks, 1946)		♂	Brazil, Peru	Banks 1946, Santos *et al.* 2015 (as *Ageniella insignis*)
P. fairchildi (Banks, 1925)		♀♂	Panama, Peru, Bolivia, Costa Rica, northern Brazil	Rasmussen & Ansejo 2009
P. eurytheme (Banks, 1944)		♀♂	British Guiana	Banks 1944
P. hexagona (Fox, 1897)		♀♂	Brazil	Banks 1946
P. hexagona omissa (Banks, 1946)		♀	Peru	Banks 1946, Santos *et al.* 2015
P. nobilitata (Smith, 1866)	*	♀♂	Brazil, Colombia, Ecuador, Peru, British Guiana	Banks 1946, Castro *et al.* 2014
P. gloriosa (Smith, 1873)	*	♀♂	British Guiana, Brazil, Peru	Banks 1946, Rasmussen & Asenjo 2009
P. ornata Banks, 1946	*	♂	Peru, Trinidad	Banks 1946, Starr & Hook 2003 (as *Priophanes ornatus*)
P. fuscomarginata (Fox, 1897)	*	♀♂	Brazil, Guiana, Peru, Panama	Banks 1946, new record (Panama)
Tribe Pepsini				
***Abernessia* Arlé, 1947**				Arlé 1947, Waichert & Pitts 2011, Waichert & Pitts 2013, Oliveira *et al.* 2020
A. capixaba Waichert & Pitts, 2013	*	♂	Brazil	Waichert & Pitts 2013

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TABLE 3. (Continued)

A. giga Waichert & Pitts, 2013	*	♀♂	Brazil	Waichert & Pitts 2013, Oliveira *et al.* 2020
A. irmgardae Arlé, 1947	*	♀	Brazil, Paraguay	Arlé 1947, Waichert & Pitts 2013, Oliveira *et al.* 2020
A. prima Waichert & Pitts, 2011	*	♂	Brazil	Waichert & Pitts 2011
***Adirostes* Banks, 1946**				Roig-Alsina 1984
A. ariphana Roig-Alsina, 1984	*	♀	Peru	Roig-Alsina 1984
A. tolteca Banks, 1946	*	♀	Peru	Roig-Alsina 1984
A. wahisi Roig-Alsina, 1984	*	♀	Peru	Roig-Alsina 1984
A. willinki Roig-Alsina, 1984	*	♀	Peru	Roig-Alsina 1984
***Aimatocare* Roig-Alsina, 1988**				Evans 1968, Roig-Alsina 1988
A. argentinica (Banks, 1946)	*	♀♂	Argentina	Roig-Alsina 1988
A. imitator (Evans, 1968)	*	♂	Ecuador	Roig-Alsina 1988
A. impensa (Evans, 1968)	*	♂	Paraguay	Roig-Alsina 1988
A. longula (Banks, 1946)	*	♀♂	Colombia, Peru, Bolivia, Brazil	Roig-Alsina 1988, Waichert *et al.* 2017
A. vitrea (Fox, 1897)	*	♀♂	Colombia, Peru, Brazil, Guiana	Roig-Alsina 1988, Rassmusen & Asenjo 2009
***Anacyphonyx* Banks, 1946**				Banks 1946
A. apicipennis (Fox, 1899)		♂	Bolivia, Brazil, Paraguay	Fox 1869
A. brevipennis (Taschenberg, 1869)		♀	Paraguay	Taschenberg 1869
A. dubiosa Banks, 1946		♂	Brazil	Banks 1946
A. fidelis Banks, 1946		♀	Brazil	Banks 1946
A. glabriventris Roig-Alsina, 2005	*	♀♂	Argentina	Roig-Alsina 2005
A. rosai Banks, 1946		♀	Argentina	Banks 1946
***Caliadurgus* Pate, 1946**				Roig-Alsina 1982
C. anomalus (Dreisbach, 1961)		♂	Brazil	Dreisbach 1961
C. aberrans (Dreisbach, 1961)		♂	México Honduras	Dreisbach 1961
C. albosignus (Dreisbach, 1961)		♂	Panama	Dreisbach 1961
C. andicolus (Banks, 1946)		♀	Ecuador	Dreisbach 1961
C. braziliensis (Dreisbach, 1961)		♀	Brazil	Dreisbach 1961
C. cinereus (Fox, 1897)		♀♂	Brazil Argentina	Roig-Alsina 1982
C. clypeatus (Cresson, 1865)	*	♀♂	Cuba	Alayo 1969

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TABLE 3. (Continued)

C. cruralis (Dreisbach, 1961)		♀	Panama	Dreisbach 1961
C. fasciatellus fratellus (Holmberg, 1903)		♀♂		Roig-Alsina 1982
C. flavidus (Dreisbach, 1961)	*	♀	Mexico, Honduras	Dreisbach 1961, Waichert *et al.* 2014
C. fuscus (Dreisbach, 1961)		♀	Brazil	Dreisbach 1961
C. gayi (Spinola, 1851)		♀♂	Argentina Chile	Wahis & Rojas 2003
C. huitaca (Banks, 1945)		♀	Colombia	Dreisbach 1961
C. jocaste (Banks, 1946)		♀	Brazil	Dreisbach 1961
C. loranthe (Banks, 1946)		♀	Ecuador	Dreisbach 1961
C. machetes (Kohl, 1886)		♀	Colombia Ecuador Brazil	Dreisbach 1961
C. macullatellus (Taschenberg, 1869)		♀	Brazil Argentina	Roig-Alsina 1982
C. maestralis Alayo, 1969	*	♀	Cuba	Alayo 1969
C. marginatus (Banks, 1946)		♀	Brazil	Dreisbach 1961
C. modestus (Smith, 1864)		♀♂	Colombia, Ecuador, Brazil, Argentina, Guiana	Roig-Alsina 1982
C. ochraceus Roig-Alsina, 1982		♂	Argentina	Roig-Alsina 1982
C. ornatus (Dreisbach, 1961)		♀	Peru	Dreisbach 1961
C. pretiosus (Fox, 1897)		♀	Colombia, Brazil, Peru	Dreisbach 1961, Santos *et al.* 2015
C. pulchellus (Cresson, 1865)	*	♂	Cuba	Alayo 1969
C. quitus (Banks, 1946)		♀	Ecuador	Dreisbach 1961
C. rufigaster (Banks, 1945)		♀♂	Colombia	Dreisbach 1961
C. rufricus (Dreisbach, 1961)		♂	Brazil	Dreisbach 1961
C. sigillipes (Taschenberg, 1869)		♀♂	Uruguay, Argentina	Roig-Alsina 1982
C. subandinus Roig-Alsina, 1982		♀♂	Argentina	Roig-Alsina 1982
***Calopompilus* Ashmead, 1900**				
C. setaerotundus Waichert & Pitts, 2014	*	♀♂	Guatemala, Honduras	Waichert et al. 2014, Kurczewski *et al.* 2020
***Chirodamus* Haliday, 1837**				Roig-Alsina 1984
C. agenius Roig-Alsina, 1984		♀♂	Uruguay, Chile	Roig-Alsina 1984
C. hirsutulus (Spinola, 1851)		♀♂	Uruguay, Chile, Argentina	Roig-Alsina 1984
C. kingii Haliday, 1837		♀♂	Chile, Argentina	Roig-Alsina 1984
C. luteifrons Roig-Alsina, 1984		♀♂	Chile	Roig-Alsina 1984

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TABLE 3. (Continued)

C. paramicola Roig-Alsina, 1984		♀	Colombia, Venezuela	Roig-Alsina 1984, Waichert *et al.* 2017
***Cryptocheilus* Panzer, 1806**				Cambra & Wahis 2005
C. attenuatum Banks, 1933	*	♀♂	Mexico	Townes 1957
C. neotropicalis Cambra & Wahis, 2005	*	♀♂	Panama	Cambra & Wahis 2005
C. severini Banks, 1926	*	♀♂	Mexico	Townes 1957
C. santosi Cambra & Wahis, 2005	*	♀♂	Panama	Cambra & Wahis 2005
C. sp.	*	♀	Colombia	Castro *et al.* 2014
***Dipogon* Fox, 1897**				
D. alastor Banks, 1946		♀	Ecuador	Banks 1946
D. ariel Banks, 1946		♀	Colombia, Ecuador	Waichert *et al.* 2017
D. aztecus Evans, 1974	*	♀	Mexico	Evans 1974
D. calipterus nubifer (Cresson, 1869)		♀♂	Costa Rica, Mexico, Panama	Evans 1974
D. chapalae Evans, 1974	*	♀	Mexico	Evans 1974
D. cubensis Genaro & Portuondo, 2002	*	♀	Cuba	Genaro & Portuondo 2002
D. honduriensis Dreisbach, 1955	*	♀	Honduras	Dreisbach 1955
D. hurdi Evans, 1974	*	♀	Mexico	Evans 1974
D. itshmica (Cameron, 1891)	*	♀	Panama	Evans 1974
D. melanocephalus (Cameron, 1891)	*	♀	Mexico	Evans 1974
D. moctezuma Evans, 1974	*	♀	Mexico	Evans 1974
D. neotropica (Kohl, 1886)		♀	Colombia, Brazil, Paraguay	
D. papago papago (Banks, 1933)		♀♂	Mexico	Evans 1974
D. populator Fox, 1897		♀	Brazil, Argentina	Roig-Alsina 2005
D. spangleri (Evans, 1972)	*	♀	Dominican Republic	Waichert *et al.* 2012
***Entypus* Dahlbom, 1843**				Roig-Alsina 1981
E. apicipennis Fox, 1899	*	♂	Brazil	
E. apollinarii Brèthes, 1926	*	♀	Colombia	
E. aurifrons (Banks, 1946)		♀♂	Guiana	
E. bituberculatus (Guerin, 1838)		♀♂	Peru Brazil Argentina Guiana	Roig-Alsina 1981
E. bonariensis (Lepeletier, 1845)		♀♂	Brazil Paraguay Argentina	Roig-Alsina 1981

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TABLE 3. (Continued)

E. brasiliensis (Taschenberg, 1869)		♀	Brazil Paraguay Argentina	Roig-Alsina 1981
E. carinatellus (Brèthes, 1911)	*	♂	Brazil	
E. carinata (Fox)	*	♀♂	Bolivia Brazil Paraguay	
E. concolorans Roig-Alsina, 1981		♂	Argentina	Roig-Alsina 1981
E. crassiceps Roig-Alsina, 1981		♀♂	Argentina	Roig-Alsina 1981
E. decoloratus (Lepeletier, 1845)	*		Peru	Santos *et al.* 2015
E. dumosus (Spinola, 1851)	*		Peru	Santos *et al.* 2015
E. ferruginipennis (Haliday, 1837)		♀♂	Brazil Paraguay Argentina	Roig-Alsina 1981
E. fossulatus (Giner Marí, 1944)	*	?	Peru	Rassmusen & Asenjo 2009
E. gigas (Fabricius, 1804)		♀♂	Bolivia, Guiana, Peru	Santos *et al.* 2015
E. grandis (Banks, 1946)		♀	Colombia	
E. iheringii (Fox, 1899)		♀	Ecuador Brazil Argentina	Roig-Alsina 1981
E. lepelletierii (Guérin, 1831)	*	♀♂	Chile Argentina	Roig-Alsina 1981
E. limbatus (Brèthes, 1911)	*	♀	Brazil	
E. luteicornis (Lepeletier, 1845)		♀	Brazil	
E. mammillatus (Fox, 1897)		♀♂	Bolivia Peru Brazil Paraguay	
E. manni (Banks, 1928)	*	♀	Haiti, Dominican Republic	Perez-Gelabert 2008, Waichert *et al.* 2012
E. molestus (Banks, 1946)		♀♂	Peru	Santos *et al.* 2015
E. nitidus (Banks, 1946)		♀	Ecuador, Peru	Santos *et al.* 2015
E. ochrocerus Dahlbom, 1843	*	♀♂	Cuba to Puerto Rico, Bahamas, Dominican Republic	Snelling & Torres, 2004, Waichert *et al.* 2012
E. perpunctatus (Fox, 1897)		♀	Bolivia	
E. persimilis (Banks, 1946)		♀	Brazil	
E. peruvianus (Rohwer, 1913)		♀♂	Bolivia, Peru, Paraguay	Santos *et al.* 2015
E. praestans Banks, 1945		♀♂	Trinidad	
E. purpureipes (Cameron)		♀♂	Guiana	
E. soleatus (Brèthes, 1926)	*	♀	Colombia	
E. sulphureicornis (Palisot de Beauvois, 1809)	*	♀	Dominican Republic	Waichert *et al.* 2012
E. tenebrosus (Banks, 1946)	*	♀	Brazil	
E. taschenbergii (Dalla Torre, 1897)		♀♂	Dominican Republic, Mexico, South America	Roig-Alsina 1981

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TABLE 3. (Continued)

E. tinctipennis (Fox, 1899)	*	♀	Brazil	
E. unifasciatus dumosus (Spinola, 1851)	*	♂	Southern South America	Wahis & Rojas 2003
E. urichi (Banks, 1945)		♀	Panama Colombia Brazil Trinidad	Corro & Cambra 2011
E. velutinus (Taschenberg, 1869)		♀♂	Brazil Paraguay	
Epipompilus Kohl, 1884				Evans 1961 1967
E. aztecus (Cresson, 1869)		♀♂	Mexico CA Brazil	Evans 1961 1967, Silvestre *et al* 2010
E. bifasciatus (Ashmead, 1902)		♀	Brazil	Evans 1961 1967
E. delicatus Turner, 1917		♀♂	Costa Rica	Evans 1961 1967
E. excelsus (Bradley, 1944)		♀♂	Brazil	Evans 1961 1967
E. haupti (Arlé, 1936)		♀	Brazil	Evans 1961 1967
E. insolitus Evans, 1961		♀	Costa Rica	Evans 1961 1967
E. inca Evans, 1967		♀	Peru	Evans 1961 1967
E. innubus Evans, 1961		♂	Peru	Evans 1961 1967
E. jamaicensis Evans, 1976		♀	Jamaica	Evans 1961 1967
E. jocosus Evans, 1967		♀♂	Brazil	Evans 1961 1967
E. morosus Evans, 1976		♀	Bolivia	Evans 1961 1967
E. nigribasis (Banks, 1925)		♀♂	Panamá Colombia Brazil	Evans 1961 1967
E. pulcherrimus (Evans, 1961)		♀♂	Bahamas	Evans 1961 1967
E. quinquenotatus Evans, 1976		♀♂	Bolivia	Evans 1961 1967
E. tucumanus Evans, 1967		♀♂	Venezuela Brazil Argentina	Evans 1961 1967, Trad *et al.* 2018
E. williamsi (Evans, 1961)		♀	Peru	Evans 1961 1967, Santos *et al.* 2015
Hemipepsis **Dahlbom, 1844**				Townes 1957
H. toussainti (Banks, 1928)	*	♀♂	Mexico, Haiti, Costa Rica	Townes 1957, Kurczewski *et al.* 2020
H. mexicana (Cresson, 1867)		♀♂	Mexico to Colombia	Townes 1957
H. ustulata Dahlbom, 1843	*	♀♂	Mexico, Costa Rica	Townes 1957, Kurczewski *et al.* 2020
Herbstellus **Wahis, 2000**				Wahis 2000
H. lamprus Roig-Alsina, 2005		♀♂	Argentina	Roig-Alsina, 2005
H. pachylopus (Kohl, 1886)		♀	Chile, Argentina	Roig-Alsina, 2005, Wahis 2000
Hypoferreola **Ashmead, 1902**				Waichert & Pitts 2011

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TABLE 3. (Continued)

H. cephalotes (Saussure, 1867)	*	♀	Argentina	Waichert & Pitts 2011
***Lepidocnemis* Haupt, 1930**				Waichert & Pitts 2011
L. antiqua Haupt, 1930		♀	Argentina	Waichert & Pitts 2011
***Minagenia* Banks, 1934**				
M. colombianus Banks, 1945		♀♂	Colombia	Banks 1945
M. laevis (Banks, 1946)		♂	Trinidad	Banks 1946
M. levipes (Cresson, 1869)		♂	Mexico	
M. minor Dreisbach, 1953		♂	Costa Rica	Dreisbach 1953
M. obscura (Banks, 1946)		♀	Brazil	Banks 1946
M. peruana (Banks, 1946)		♀	Peru	Banks 1946
***Pepsis* Fabricius, 1805**				Vardy 2000 2002 2005
P. achterbergi Vardy, 2005	*	♀♂	Surinam Guiana Brazil	Vardy 2005
P. aciculata Taschenberg, 1869		♀♂	Brazil Uruguay Argentina	Vardy 2005
P. adonta Vardy, 2005	*	♀♂	Bolivia Brazil Paraguay	Vardy 2005
P. albocincta Smith, 1855		♀♂	Colombia Brazil Argentina	Vardy 2000, 2005
P. amyntas Mocsàry, 1885		♀♂	Colombia, Bolivia, Brazil, Argentina, Trinidad	Vardy 2005, Starr & Hook 2003
P. apicata Taschenberg, 1869		♀♂	Peru, Bolivia, Brazil	Vardy 2002, 2005
P. aquila Lucas, 1895		♀♂	Central America	Vardy 2002, 2005
P. assimilis Banks, 1946		♀♂	Panama, Colombia, Venezuela, Trinidad	Vardy 2000 2005, Starr & Hook 2003
P. asteria Mocsàry, 1894		♀♂	Central America, Colombia, Ecuador, Peru	Vardy 2005
P. atalanta Mocsáry, 1885		♀♂	Central America, Colombia, Venezuela	Vardy 2005
P. atripennis Fabricius, 1804		♀♂	Northern South America, Trinidad	Vardy 2005, Starr & Hook 2003
P. aurifex Smith, 1855		♀♂	Brazil	Vardy 2002, 2005
P. auriguttata Burmeister, 1872		♀♂	Panama to Argentina	Vardy 2005
P. aurozonata Smith, 1855		♀♂	Venezuela, French Guiana, Peru, Brazil, Ecuador	Vardy 2002, 2005, Kurczewski *et al.* 2020
P. australis de Saussure, 1868		♀♂	Bolivia Brazil Paraguay	Vardy 2005
P. basalis Mocsáry, 1885		♀♂	Costa Rica to Colombia	Vardy 2005
P. basifusca Lucas, 1895		♀♂	Central America	Vardy 2005
P. boharti Vardy, 2005	*	♀♂	Brazil	Vardy 2005

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TABLE 3. (Continued)

P. bonplandi Brèthes, 1914		♀♂	Brazil Argentina	Vardy 2002, 2005
P. brevicornis Mocsáry, 1894		♀♂	Brazil Argentina	Vardy 2002, 2005
P. brunneicornis Lucas, 1895		♀♂	Brazil Paraguay Argentina	Vardy 2005
P. caliente Vardy, 2005	*	♂	Colombia	Vardy 2005
P. caridei Brèthes, 1908		♀♂	Bolivia, Chile, Colombia, Argentina	Vardy 2000, 2005, Kurczewski *et al.* 2020
P. cassandra Mocsary, 1899	*	♀	Chile	Wahis & Rojas 2003
P. cassiope Mocsáry, 1889		♀♂	Mexico to Bolivia, Guianas	Vardy 2002, 2005
P. catarinensis Vardy, 2005	*	♂	Brazil	Vardy 2005
P. chacoana Brèthes, 1908		♀♂	Bolivia Paraguay, Uruguay, Argentina	Vardy 2002, 2005
P. chiliensis Lepeletier, 1845		♀♂	Ecuador, Peru, Chile	Vardy 2002, 2005
P. chiron Mocsàry, 1885		♀♂	Mexico, Belize	Vardy 2005
P. crassicornis Mocsàry, 1885		♀♂	Peru, Brazil, Argentina	Vardy 2005
P. chrysoptera Burmeister, 1872		♀♂	Colombia to Argentina	Vardy 2005
P. chrysotemis Lucas, 1895		♀♂	Mexico	Vardy 2000, 2005
P. cofanes Banks, 1946		♀♂	Ecuador	Vardy 2002, 2005
P. completa Smith, 1855		♀♂	Guiana, Brazil, Argentina, Venezuela, Suriname	Vardy 2005, Kurczewski *et al.* 2020
P. cooperi Vardy, 2000	*	♀♂	Peru	vardy 2000, 2005
P. cyanescens Lepeltier, 1845		♀♂	Panama, Trinidad, West Indies Colombia to Brazil	Vardy 2005, Starr & Hook 2003
P. cybele Banks, 1945		♀♂	Colombia, Ecuador, Venezuela, Trinidad	Vardy 2005, Kurczewski *et al.* 2020
P. dayi Vardy, 2005	*	♀♂	Ecuador, Peru	Vardy 2005
P. deaurata Mocsáry, 1894		♀♂	Colombia, Peru, Brazil, French Guiana	Vardy 2002, 2005
P. decipiens Lucas, 1895		♀♂	Brazil, Paraguay	Vardy 2005
P. decorata Perty, 1833		♀♂	French Guiana, Bolivia, Brazil, Paraguay	Vardy 2000, 2005
P. defecta Taschenberg, 1869		♀♂	Bolivia, Brazil, Argentina	Vardy 2002, 2005
P. dimidiata Fabricius, 1804		♀♂	Panama, Colombia, Venezuela, Brazil, Argentina	Vardy 2005
P. discolor Taschenberg, 1869		♀♂	Bolivia, Brazil, Paraguay, Uruguay, Argentina	Vardy 2005
P. ecuadorae Vardy, 2002	*	♀	Ecuador	Vardy 2002, 2005
P. egregia Mocsáry, 1885	*	♀♂	Panama to Brazil	Vardy 2002, 2005
P. elevata Fabricius, 1805		♀♂	Colombia, Guianas, Peru, Brazil, Uruguay, Argentina	Vardy 2002, 2005

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TABLE 3. (Continued)

P. elongata Lepeletier, 1845		♀♂	Panama, Colombia, Venezuela, Guianas, Peru, Bolivia, Brazil	Vardy 2005
P. esmeralda Vardy, 2005	*	♀♂	Surinam, French Guiana, Brazil	Vardy 2005
P. equestris Erichson, 1848		♀♂	Northern South America, Trinidad	Vardy 2000, 2005, Starr & Hook 2003
P. festiva Fabricius, 1804		♀♂	Mexico to Argentina	Vardy 2005
P. filiola Brèthes, 1914		♀♂	Bolivia, Brazil, Paraguay, Argentina	Vardy 2005
P. flavescens Lucas, 1895		♀♂	Bolivia, Brazil, Argentina, Chile	Vardy 2005
P. foxi Lucas, 1897		♀♂	Southern South America	Vardy 2000, 2005
P. friburgensis Vardy, 2002	*	♀♂	Brazil	Vardy 2002, 2005
P. frivaldszkyi Mocsáry, 1885		♀♂	Panama, Venezuela, Guianas, Trinidad	Vardy 2002, 2005, Starr & Hook 2003
P. fumipennis Smith, 1855		♀♂	Central America, Colombia, Ecuador, Peru, Brazil, Guianas	Vardy 2005
P. gracilis Lepeletier, 1845		♀♂	Northern South America	Vardy 2005
P. gracillima Taschenberg, 1869		♀♂	Colombia, Venezuela, Ecuador	Vardy 2005
P. grossa (Fabricius, 1798)		♀♂	Mexico to Peru, West Indies, Trinidad	Vardy 2002, 2005, Starr & Hook 2003
P. helvolicornis Lucas, 1895	*	♀♂	Brazil	Vardy 2005
P. heros (Fabricius, 1798)		♀♂	Colombia, Venezuela, Guianas, Peru, Brazil	Vardy 2000, 2005
P. hirtiventris Banks, 1946		♀♂	Colombia to Bolivia	Vardy 2005
P. hyalinipennis Mocsáry, 1885		♀♂	Costa Rica to Peru, Venezuela	Vardy 2005
P. hymenaea Mocsáry, 1885		♀♂	Colombia, Venezuela	Vardy 2002, 2005
P. hyperion Mocsáry, 1894		♀♂	Brazil	Vardy 2002, 2005
P. ianthina Erichson, 1848		♀♂	Honduras to Brazil, Surinam, Trinidad	Vardy 2005, Starr & Hook 2003
P. ianthoides Vardy, 2005	*	♂	Brazil	Vardy 2005
P. inbio Vardy, 2000	*	♀♂	Guatemala to Costa Rica	Vardy 2000, 2005
P. inclyta Lepeletier, 1845		♀♂	South America	Vardy 2005
P. infuscata Spinola, 1841		♀♂	Northern South America	Vardy 2005
P. jamaicensis Vardy, 2005	*	♀♂	Jamaica	Vardy 2005
P. krombeini Vardy, 2005	*	♂	Peru	Vardy 2005
P. lampas Lucas, 1895		♀♂	Peru, Brazil, Argentina	Vardy 2005
P. laetabilis Brèthes, 1908		♀♂	Brazil, Argentina	Vardy 2005

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TABLE 3. (Continued)

P. lepida Mocsáry, 1894		♀♂	Costa Rica to Colombia	Vardy 2005
P. limbata Guérin, 1831		♀♂	Bolivia, Brazil, Uruguay, Chile, Argentina	Vardy 2005
P. luteicornis Fabricius, 1804		♀♂	Colombia Peru Bolivia Brazil Guianas	Vardy 2005
P. lurida Lucas, 1895	*	?	Brazil, Paraguay, Argentina, Chile	Wahis & Rojas 2003
P. lycaon Banks, 1945		♀♂	Ecuador, Peru	Vardy 2002 2005
P. macandrina Lucas, 1895	*	♀♂	Bolivia, Brazil, Paraguay	Vardy 2005
P. marginata Palisot de Beauvios, 1809		♀♂	West Indies	Vardy 2002, 2005
P. marthae Vardy, 2002	*	♀♂	Peru	Vardy 2002, 2005
P. martini Vardy, 2005	*	♀♂	Brazil, Paraguay	Vardy 2005
P. menechma Lepeletier, 1845		♀♂	Mexico to Argentina	Vardy 2005
P. mexicana Lucas, 1895		♀♂	Mexico to Costa Rica	Vardy 2000, 2005
P. mildei Stal, 1857		♀♂	Mexico to Ecuador	Vardy 2005
P. minarum Brèthes, 1914		♀♂	Brazil, Paraguay	Vardy 2005
P. montezuma Smith, 1855		♀♂	Neotropics	Vardy 2005
P. multichroma Vardy, 2005	*	♀♂	Ecuador, Peru	Vardy 2005
P. nana Mocsáry, 1885		♀♂	Colombia to Argentina	Vardy 2005
P. nanoides Vardy, 2005	*	♀♂	Brazil	Vardy 2005
P. nigricans Lucas, 1895		♀♂	Argentina	Vardy 2005
P. nitida Lepeletier, 1845		♀♂	Brazil, Paraguay, Argentina	Vardy 2005
P. onorei Vardy, 2002	*	♀♂	Colombia, Ecuador	Vardy 2002, 2005
P. optimus Smith, 1879		♀♂	Mexico to Ecuador, Venezuela	Vardy 2002, 2005
P. optimatus Smith, 1873	*	♀♂	Brazil, Paraguay	Vardy 2005
P. pallidolimbata Lucas, 1895		♀♂	Mexico	Vardy 2000, 2005
P. peruana Lucas, 1895	*	?	Chile	Wahis & Rojas 2003
P. petitii Guérin, 1831		♀♂	Ecuador, Peru	Vardy 2000, 2005
P. pilosa Banks, 1946		♀♂	Venezuela	Vardy 2005
P. plutus Erichson, 1848		♀♂	Colombia, Peru, Brazil, Guianas	Vardy 2002, 2005
P. pretiosa Dahlbom, 1843	*	♀♂	Brazil	Vardy 2002, 2005
P. pulawskii Vardy, 2002	*	♀♂	Peru	Vardy 2002, 2005

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TABLE 3. (Continued)

P. pulszkyi Mocsáry, 1855		♀♂	Colombia, Peru, Venezuela, Guianas	Vardy 2002, 2005
P. purpurea Smith, 1873		♀♂	Panama, Northern South America	Vardy 2005
P. purpureipes Packard, 1869		♀♂	Panama, Colombia, Peru, Venezuela, Ecuador	Vardy 2005, Kurczewski *et al.* 2020
P. riopretensis Vardy, 2002	*	♀♂	Brazil	Vardy 2002, 2005
P. roigi Vardy, 2000	*	♀♂	Paraguay, Argentina, Chile	Vardy 2000, 2005
P. rubra (Drury, 1773)		♀♂	West Indies	Vardy 2000, 2005
P. ruficornis (Fabricius, 1775)		♀♂	West Indies to northern South America	Vardy 2005, Snelling & Torres 2004
P. sabina Mocsáry, 1885		♀♂	Panama to Brazil	Vardy 2005
P. schlinkei Lucas, 1897		♀♂	Bolivia, Brazil	Vardy 2005
P. seifferti Lucas, 1895		♀♂	Brazil	Vardy 2005
P. seladonica Dahlbom, 1843		♀♂	Colombia, Peru, Brazil	Vardy 2005
P. sericans Lepeletier, 1845		♀♂	Cuba	Vardy 2000, 2005
P. smaragdina Dahlbom, 1843		♀♂	Bolivia, Brazil, Argentina	Vardy 2005
P. sommeri Dahlbom, 1845		♀♂	Mexico, Costa Rica, Colombia, Venezuela, Peru	Vardy 2005
P. stella Montet, 1921		♀♂	Colombia, Ecuador	Vardy 2002, 2005, Kurczewski *et al.* 2020
P. sumptuosa Smith, 1855		♀♂	Colombia	Vardy 2002, 2005
P. taschenbergi Lucas, 1895		♀♂	Brazil	Vardy 2005
P. terminata Dahlbom, 1844		♀♂	Mexico to Peru, West Indies (not Cuba), Trinidad	Vardy 2002, 2005, Starr & Hook 2003
P. thisbe Lucas, 1895		♀♂	Central America	Vardy 2000, 2005
P. thoreyi Dahlbom, 1845		♀♂	Bolivia, Uruguay, Chile, Argentina	Vardy 2005
P. tolteca Lucas, 1895		♀♂	Peru	Vardy 2002, 2005
P. toppini Turner, 1915		♀♂	Ecuador, Peru	Vardy 2002, 2005
P. tricuspidata Gribodo, 1894		♀♂	Costa Rica to Venezuela	Vardy 2002, 2005
P. varipennis Lepeletier, 1845		♀♂	Brazil, Paraguay, Argentina	Vardy 2005
P. vinipennis Packard, 1869		♀♂	Panama, Colombia, Peru, Brazil	Vardy 2000, 2005
P. viridis Lepeletier, 1845		♀♂	Peru, Brazil, Paraguay, Argentina	Vardy 2005
P. viridisetosa Spinola, 1841		♀♂	Venezuela, Guianas, Brazil	Vardy 2005
P. vitripennis Smith, 1855		♀♂	Central America, Colombia, Peru, Bolivia	Vardy 2005
P. wahisi Vardy, 2005	*	♀♂	Brazil	Vardy 2005

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TABLE 3. (Continued)

P. willinki Vardy, 2005	*	♀♂	Colombia, Peru, Brazil, Guianas	Vardy 2005
P. xanthocera Dahlbom, 1843		♀♂	Mexico to Argentina	Vardy 2005
P. yucatani Vardy, 2002	*	♀♂	Mexico	Vardy 2002, 2005
***Plagicurgus* Roig-Alsina, 1982**				Roig-Alsina 1982
P. metallicus (Banks, 1946)		♀♂	Paraguay Argentina	Roig-Alsina 1982
P. singularis (Fox, 1897)		♂	Brazil Argentina	Roig-Alsina 1982
***Pompilocalus* Roig-Alsina, 1988**				Roig-Alsina 1988
P. atahualpa Roig-Alsina, 1988		♀♂	Ecuador	Roig-Alsina 1988
P. calchaqui Roig-Alsina, 1988		♂	Argentina	Roig-Alsina 1988
P. caran Roig-Alsina, 1988		♀♂	Ecuador	Roig-Alsina 1988
P. carrascoi Roig-Alsina, 1988		♂	Peru	Roig-Alsina 1988
P. catriel Roig-Alsina, 1988		♀♂	Chile, Argentina	Roig-Alsina 1988
P. caupolican Roig-Alsina, 1988		♀♂	Chile	Roig-Alsina 1988
P. constrictus (Brèthes, 1913)		♀♂	Argentina	Roig-Alsina 1988
P. edmondii (Brèthes, 1924)		♀♂	Peru, Bolivia	Roig-Alsina 1988
P. fraternus (Banks, 1946)		♀♂	Brazil, Uruguay, Argentina	Roig-Alsina 1988
P. guaymallen Roig-Alsina, 1988		♀♂	Argentina, Chile	Roig-Alsina 1988, Silva *et al*. 2015
P. hirticeps (Guérin, 1838)		♀♂	Peru, Chile, Argentina	Roig-Alsina 1988
P. hirsutulus (Brèthes, 1913)		♀♂	Argentina	Roig-Alsina 1988
P. huaynacapac Roig-Alsina, 1988		♀♂	Peru, Argentina	Roig-Alsina 1988
P. jorgenseni (Brèthes, 1913)		♀♂	Bolivia, Uruguay, Argentina	Roig-Alsina 1988
P. lautaro Roig-Alsina, 1988		♀♂	Chile, Argentina	Roig-Alsina 1988
P. mancocapac Roig-Alsina, 1988		♂	Peru	Roig-Alsina 1988
P. maytocapac Roig-Alsina, 1988		♀♂	Peru	Roig-Alsina 1988
P. nemequene Roig-Alsina, 1988		♀	Colombia	Roig-Alsina 1988
P. paine Roig-Alsina, 1988		♀♂	Argentina	Roig-Alsina 1988
P. pachacutec Roig-Alsina, 1988		♀♂	Peru	Roig-Alsina 1988
P. parvulus (Banks, 1946)		♀♂	Brazil, Argentina	Roig-Alsina 1988, Silva *et al*. 2015
P. payan Roig-Alsina, 1988		♀	Colombia	Roig-Alsina 1988

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TABLE 3. (Continued)

P. potty Roig-Alsina, 1988		♀♂	Brazil	Roig-Alsina 1988
P. ruminahui Roig-Alsina, 1988		♀♂	Ecuador	Roig-Alsina 1988
P. tacaynamo Roig-Alsina, 1988		♀	Peru	Roig-Alsina 1988
P. tupacyupanqui Roig-Alsina, 1988		♀♂	Peru	Roig-Alsina 1988
P. tupi Roig-Alsina, 1988		♀♂	Brazil	Roig-Alsina 1988, Silva *et al*. 2015
P. vinicolor (Packard, 1869)		♀♂	Ecuador	Roig-Alsina 1988
***Priocnemis* Schiödte, 1837**				
P. asignata Roig-Alsina, 1986	*	♀♂	Chile Argentina	Roig-Alsina 1986
P. brevinota Roig-Alsina, 1986	*	♀	Chile	Roig-Alsina 1986
P. cornica (Say, 1836)	*	♀♂	Dominican Republic, Mexico, Puerto Rico	Snelling & Torres, 2004, Waichert *et al. 2*012
P. dichrous Dalla Torre, 1897	*	?	Peru	Rassmusen & Asenjo 2009
P. dispertita (Kohl, 1905)	*	♀	Chile, Argentina	Roig-Alsina 1986
P. moesta (Banks, 1945)		♀	Colombia	Banks 1945, Fernandez *et al.* 2018
P. parcus (Cresson, 1867)		♀♂	Cuba	Alayo 1969
P. reedita Roig-Alsina, 1986	*	♀♂	Chile	Roig-Alsina 1986
P. temuco Roig-Alsina, 1986	*	♀♂	Chile	Roig-Alsina 1986
P. wasbaueri Waichert & Pitts, 2014	*			
***Priocnessus* Banks, 1925**				Dreisbach 1960, 1961
P. anomalus Dreisbach, 1960	*	♀	Mexico	Dreisbach 1960, 1961
P. aureus Dreisbach, 1960	*	♀	Mexico	Dreisbach 1960, 1961
P. bequaerti Banks, 1945		♀	Colombia	Dreisbach 1960, 1961
P. bicuspidus Dreisbach, 1961	*	♂	Mexico	Dreisbach 1960, 1961
P. caesius Dreisbach, 1960		♀	Ecuador	Dreisbach 1960, 1961
P. cincticornis (Cresson, 1867))	*	♀♂	Mexico	Dreisbach 1960, 1961
P. durangoensis Dreisbach, 1960	*	♀	Mexico	Dreisbach 1960, 1961
P. evansi Dreisbach, 1961	*	♂	Mexico	Dreisbach 1960, 1961
P. flavidulus Dreisbach, 1960		♀	El Salvador	Dreisbach 1960, 1961
P. grandis Dreisbach, 1961		♀	Panama, Peru	Dreisbach 1960, 1961
P. guatemalensis (Cameron, 1886)		♀	Guatemala to Costa Rica	Dreisbach 1960, 1961

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TABLE 3. (Continued)

P. hirsutus Dreisbach, 1961	*	♀	Mexico	Dreisbach 1960, 1961
P. hondurensis Dreisbach, 1960		♂	Honduras	Dreisbach 1960, 1961
P. hurdi Dreisbach, 1960	*	♀♂	Mexico, Honduras	Dreisbach 1960, 1961, Waichert *et al.* 2014
P. kayi Dreisbach, 1960	*	♂	Mexico	Dreisbach 1960, 1961
P. lineatus Dreisbach, 1960	*	♂	Mexico	Dreisbach 1960, 1961
P. meridionalis Banks, 2005	*	♀♂	Brazil, Argentina	Roig-Alsina, 2005
P. monticolus Banks		♀	West Indies	Dreisbach 1960, 1961, Waichert *et al.* 2014
P. neotropicalis Dreisbach, 1960		♀♂	Panama	Dreisbach 1960, 1961
P. niger Dreisbach, 1960	*	♀	Colombia	Dreisbach 1960, 1961
P. nigropectus Dreisbach, 1961	*	♀	Mexico	Dreisbach 1960, 1961
P. nubeculatus (Cresson, 1865)		♀	Cuba	Dreisbach 1960, 1961, Alayo 1969
P. octomaculatus Dreisbach, 1960	*	♀♂	Mexico	Dreisbach 1960, 1961
P. opacus Dreisbach, 1960	*	♀	Mexico	Dreisbach 1960, 1961
P. orbiculatus (Smith. 1862)		♀♂	Mexico, Salvador, Cuba	Dreisbach 1960, 1961
P. ornamentatus Dreisbach, 1960		♀	Honduras, El Salvador	Dreisbach 1960, 1961, Waichert *et al.* 2014
P. ornatus Banks		♀	Trinidad	Dreisbach 1960, 1961
P. prominens Banks, 1945		♀♂	Colombia, Peru	Dreisbach 1960, 1961, Kurczewski *et al.* 2020
P. rubrus Dreisbach, 1960	*	h	Mexico	Dreisbach 1960, 1961
P. ruficrus Dreisbach, 1961	*	♂	Mexico	Dreisbach 1960, 1961
P. semirufus Dreisbach, 1960		♀	Peru	Dreisbach 1960, 1961
P. sericeus Dreisbach, 1960		♀	Panama Colombia	Dreisbach 1960, 1961
P. spinosus Dreisbach, 1961	*	♀♂	Mexico	Dreisbach 1960, 1961
P. tricoloratus Dreisbach, 1960		♀	Brazil	Dreisbach 1960, 1961
P. tridentatus Dreisbach, 1961	*	♀	Mexico	Dreisbach 1960, 1961
P. vancei Waichert & Pitts, 2012	*	♀	Dominican Republic	Waichert *et al.* 2012
***Sphictostethus* Kohl, 1884**				Roig-Alsina, 1985
S. antartandicus Roig-Alsina, 1985		♀♂	Chile	Roig-Alsina, 1985
S. apogonus (Kohl, 1884)		♀♂	Argentina, Chile	Wahis & Rojas 2003
S. dolichonotus Roig-Alsina, 1985		♀♂	Argentina, Chile	Roig-Alsina, 1985

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TABLE 3. (Continued)

S. flavipes (Guérin, 1838)		♀♂	Chile	Roig-Alsina, 1985
S. gravesii (Haliday, 1837)		♀♂	Chile	Roig-Alsina, 1985
S. isodontus Roig-Alsina, 1985		♀♂	Argentina, Chile	Roig-Alsina, 1985
S. minus (Kohl, 1905)		♀♂	Argentina, Chile	Roig-Alsina, 1985
S. obscurus (Siefeld, 1973)		♀♂	Argentina, Chile	Roig-Alsina, 1985
S. striatulus Roig-Alsina, 1985		♀♂	Argentina, Chile	Roig-Alsina, 1985
S. thaumastarius (Kohl, 1905)		♀	Chile	Roig-Alsina, 1985
S. xanthopus (Spinola, 1851)		♀♂	Argentina, Chile	Roig-Alsina, 1985
Subfamily Pompilinae				
Aporini				
***Allaporus* Banks, 1933**				
A. fummipenis Evans, 1966	*	♂	Mexico	Evans 1966a
A. pulchellus (Banks, 1910)	*	♀♂	Mexico	Evans 1966a
A. smithianus Cameron, 1893	*	♀♂	Mexico to Costa Rica	Evans 1966a, Wasbauer & Kimsey 1985
***Aporus* Spinola, 1808**				
Aporus subgenus *Aporus* s. s.				
A. (*A.*) *concolor* (Smith, 1860)		♀♂	Mexico to Costa Rica	Evans 1966a
A. (*A.*) *cupripennis* (Banks, 1928)		♀	Jamaica	Evans 1966a
A. (*A.*) *cuzco* Evans, 1976		♀♂	Colombia, Peru	Rassmusen & Asenjo 2009, Castro *et al*. 2014, Santos *et al.* 2015
A. (*A.*) *euferalis* (Fox, 1891)		♂	Jamaica	Evans 1966a
A. (*A.*) *idris comptus* (Bradley, 1944)		♀♂	Panama	Evans 1966a
A. (*A.*) *idris idris* (Cameron, 1897)		♀♂	Mexico Belize	Evans 1966a
A. (*A.*) *luxus* (Banks, 1914)		♀♂	Mexico	Evans 1966a
A. (*A.*) *minusculus* (Bradley, 1944)		♀♂	Brazil Paraguay Argentina	Bradley 1944
A. (*A.*) *simulatrix* Bradley, 1944		♀	Cuba, Puerto Rico	Evans 1966a, Snelling & Torres 2004
A. (*A.*) *spilurus* Evans, 1976		♀	Ecuador	Evans 1976
Aporus subgenus *Cosmiaporus* Bradley, 1944				
A. (*C.*) *arlei* Evans, 1976		♀	Brazil	Evans 1976
A. (*C.*) *diverticulus* (Fox, 1897)		♀	Colombia, Brazil	Bradley 1944, Castro *et al.* 2014

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TABLE 3. (Continued)

Aporus subgenus *Neoplaniceps* Bradley, 1944				
A. (*N.*) *cariborum* Bradley, 1944		♂	San Vicente	Evans 1966a
A. (*N.*) *chiapanus* Evans, 1966		♀♂	Mexico, Belize, Costa Rica	Evans 1966a
A. (*N.*) *funestus* Evans, 1966		♀	Martinique	Evans 1966a
A. (*N.*) *prolixus* Bradley, 1944		♀	Vírgin Island	Evans 1966a, Snelling & Torres 2004
A. (*N.*) *tarsalis* (Ashmead, 1900)		♀♂	Grenada	Evans 1966a
A. (*N.*) *umbratilis* Evans, 1966		♀♂	Colombia, Venezuela, Peru	Evans 1966a, Santos *et al.* 2015
Aporus subgenus *Notoplaniceps* Bradley, 1944				
A. (*N.*) *canescens* Smith, 1873		♀♂	Trinidad, Colombia, Peru, Brazil, Argentina	Evans 1966a, Castro *et al.* 2014, Santos *et al.* 2015
A. (*N.*) *fenestralis* Bradley, 1944		♀♂	Colombia Brazil	Bradley 1944
A. (*N.*) *innotatus* (Banks, 1925)		♀	Costa Rica to Colombia	Evans 1966a
***Aspidaporus* Bradley, 1944**				
A. jugosus (Fox, 1897)		♀	Brazil	Bradley 1944
***Chelaporus* Bradley, 1944**				
C. anomalus (Banks, 1917)	*	♀♂	Mexico	Evans 1966a
***Drepanaporus* Bradley, 1944**				
D. collaris (Cresson, 1865)		♀♂	Bahamas, Cuba, Haiti, Dominican Re-public, and Puerto Rico.	Bradley 1944, Rodriguez *et al.* 2014
D. antillarum (Bradley, 1944)	*	♀♂	Cuba, Dominican Republic, and Virgin Islands.	Rodriguez *et al,* 2014
D. bachata Rodriguez & Pitts, 2014	*	♀♂	Dominican Republic	Rodriguez *et al.* 2014
***Euplaniceps* Haupt, 1930**				
E. albovillosa Colomo de Correa, 1998	*	♀	Argentina	Cambra *et al.* 2013
E. bradleyi Banks, 1947	*	♂	Brazil	Cambra *et al.* 2013
E. ceres (Cameron, 1897)		♀	Panama Peru	Rassmusen & Asenjo 2009
E. evansi Colomo de Correa, 1998	*	♀♂	Bolivia Argentina	Cambra *et al.* 2013
E. exilis (Banks, 1944)	*	♂	Colombia Surinam Guiana	Castro *et al.* 2014
E. herbertii (Fox, 1897)		♀	Colombia Guiana Brazil	Bradley 1944, Castro *et al.* 2014
E. lacordairii (Guérin-Meneville, 1845)		♀	Brazil	Bradley 1944
E. lotus Banks, 1947	*	♂	Bolivia	Cambra *et al.* 2013
E. notabilis notabilis (Smith, 1860)	*	♀♂	Mexico to Colombia	Evans 1966a, Waichert *et al.* 2017

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TABLE 3. (Continued)

E. notabilis prolongatus Evans, 1966	*	♀♂	Mexico	Evans 1966a, Waichert *et al.* 2017
E. notabilis pulchritarsis (Cameron, 1893)	*	♀♂	Mexico	Evans 1966a, Waichert *et al.* 2017
E. ornatula (Dalla Torre, 1869)		♀	Argentina	Bradley 1944
E. perpicta (Fox, 1897)	*	♀	Brazil Paraguay Argentina	Colomo de Correa 1998b
E. pertyi (Banks, 1944)	*	♀	Guiana	Cambra *et al.* 2013
E. petulans Bradley, 1944		♀	Brazil Paraguay Uruguay Argentina	Colomo de Correa 1998b
E. punctata Bradley, 1944		♀	Brazil Bolivia Argentina	Colomo de Correa 1998b
E. quadrimaculata (Smith, 1873)		♀	Brazil	Bradley 1944
E. saussurei (Kohl, 1885)		♀♂	Chile	Wahis & Rojas 2003
E. sima Bradley, 1944		♀	Venezuela	Bradley 1944
E. varia Bradley, 1944		♀	Panama, Colombia, Peru	Rassmusen & Asenjo 2009, Cambra *et al.* 2013, Santos *et al.* 2015
E. variipennis (Perty, 1833)		♀	Brazil	Bradley 1944
E. venusta (Guérin-Meneville, 1844)		♂	Venezuela, Uruguay, Argentina	Bradley 1944
***Psorthaspis* Banks, 1919**				
P. alternata (Banks, 1931)		♂	Mexico	Evans 1966a
P. avinoffi (Banks, 1938)		♀♂	Jamaica	Evans 1966a
P. banksi Bradley, 1944		♀	Mexico	Evans 1966a
P. bioculata Bradley, 1944		♀♂	Costa Rica	Evans 1966a
P. bradleyi Banks, 1954		♀♂	Mexico	Evans 1966a
P. bugabensis (Cameron, 1893)		♀	Panama	Evans 1966a
P. colelestis Bradley, 1944		♀	Costa Rica	Evans 1966a
P. connexa (Cresson, 1869)	*	♀♂	Mexico to Colombia	Rodriguez *et al.* 2010
P. colombiae Bradley, 1944		♀	Colombia Guiana	Rodriguez *et al.* 2010
P. elegans (Cresson, 1865)		♀	Cuba	Evans 1966a
P. eubule (Cameron, 1893)		♀♂	Mexico	Evans 1966a
P. formosa (Smith, 1862)		♀♂	Mexico to Costa Rica	Evans 1966a
P. gloria Snelling, 1995	*	♀♂	Puerto Rico, Virgin Islands	Snelling & Torres 2004
P. guatemalae Bradley, 1944		♀♂	Mexico to Guatemala	Evans 1966a
P. hispaniolae Bradley, 1944		♀♂	Haiti Dominican Republic	Evans 1966a

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TABLE 3. (Continued)

P. laevifrons (Cresson, 1869)		♀	Mexico to Panama	Evans 1966a
P. macronotum cressoni Bradley, 1944		♀♂	Mexico	Evans 1966a
P. macronotum hurdi Evans, 1954		♀♂	Mexico	Evans 1966a
P. macronotum (Kohl, 1866)	*	♀	Mexico	Evans 1966a
P. nahuatlensis Bradley, 1944		♂	Mexico	Evans 1966a
P. naomi (Smith, 1855)		♀	Santo Domingo	Evans 1966a
P. picta (Kohl, 1886)		♀	Mexico	Evans 1966a
P. portiae conocephala Bradley, 1944		♀♂	Mexico	Evans 1966a
P. portiae portiae (Rohwer, 1920)		♀♂	Mexico	Evans 1966a
P. purpuripennis (Cresson, 1865)		♀	Cuba	Evans 1966a
P. regalis (Smith, 1862)		♀♂	Mexico	Evans 1966a
P. unicolor (Smith, 1855)		♀	Peru	Evans 1966a
P. variegata (Smith, 1862)	*	♀♂	Mexico to Colombia	Rodriguez *et al.* 2010
***Rhabdaporus* Bradley, 1944**				
R. bellus Bradley, 1944		♀	Brazil	Bradley 1944
***Tupiaporus* Arlé, 1947**				
Tupiaporus bradleyi Arlé, 1947	*		Brazil	Arlé 1947
Pompilini				
***Agenioideus* Ashmead, 1902**				
Agenioideus subgenus *Agenioideus* Ashmead, 1902				
A. (*A.*) *humilis* (Cresson, 1867)		♀♂	Central America	Evans 1966a
Agenioideus subgenus *Enbanksia* Evans, 1965				
A. (*E.*) *accoleus accoleus* (Banks, 1947)		♀♂	Panama, Brazil	Evans 1965, Corro & Cambra 2011
A. (*E.*) *accoleus lucanus* (Banks, 1947)		♀♂	Brazil	Evans 1965
A. (*E.*) *minutus* (Banks, 1947)		♀♂	Peru, Paraguay, Brazil	Evans 1965
Agenioideus subgenus *Gymnochares* Banks, 1917				
A. (*G.*) *birkmanni* (Banks, 1910)	*	♀♂	Mexico, Colombia	Castro *et al.* 2014
Agenioideus subgenus *Ridestus* Banks, 1912				
A. (*R*) *rubicundus* Evans, 1966	*	♂	Mexico	Evans 1966a

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TABLE 3. (Continued)

***Allochares* Banks, 1917**				
A. azureus (Cresson, 1867)	*		Mexico	Evans 1966a
***Ammosphex* Wilcke, 1942**				
A. angularis volcanicus Evans, 1966		♀♂	Mexico to Guatemala	Evans 1966a
A. smaragdina (Herbst, 1928)	*	?	Chile	Wahis & Rojas 2003
***Anoplioides* Haupt, 1950**				
Anoplioides angustifrons Haupt, 1950	*	♀♂	Argentina	
***Anoplius* Dufour, 1834**				
Anoplius subgenus *Anopliodes* Banks, 1939				
A. (*A.*) *chiriqui* Evans, 1966		♂	Costa Rica Panama Honduras	Evans 1966a, Waichert *et al.* 2014
A. (*A.*) *parsoni* (Banks, 1944)		♀♂	Central America	Evans 1966a
A. (*A.*) *varius* (Fabricius, 1804)		♀♂	Costa Rica to Peru, Surinam	Evans 1966a
A. (*A.*) *vestoris* Banks, 1947		♀	Brazil	Banks, 1947
Anoplius subgenus *Anoplius* Dufour, 1834				
A. (*A.*) *ambatoensis* (Cameron, 1903)		♀♂	Colombia, Ecuador, Peru	Santos *et al.* 2015
A. (*A.*) *angustus* Banks, 1947		♀	Brazil	Banks 1947
A. (*A.*) *araucanus* (Herbst, 1928)	*	?	Chile	Wahis & Rojas 2003
A. (*A.*) *davisi* Banks, 1947		♀	Argentina	Banks 1947
A. (*A.*) *fulgidus* (Cresson, 1865)		♀♂	Peru Brazil West Indies	Rassmusen & Asenjo 2009, Snelling & Torres 2004
A. (*A.*) *imbellis* Banks, 1944		♀♂	Mexico to Costa Rica	Banks 1947
A. (*A.*) *machachiensis* (Cameron, 1903)		♂	Ecuador?	
A. (*A.*) *minor* Banks, 1947		♀	Peru	Rassmusen & Asenjo 2009
A. (*A.*) *papago* Banks, 1941		♀♂	Mexico to Costa Rica	Banks 1947
A. (*A.*) *perpilosus* Banks, 1947		♀	Colombia	Banks 1947
A. (*A.*) *simulans* (Cresson, 1869)		♀♂	Mexico to Panama	Banks 1947
A. (*A.*) *toluca* (Cameron, 1893)		♀♂	Mexico to Panama	
A. (*A.*) *varunus* Banks, 1947		♂	Guiana	Banks 1947
Anoplius subgenus *Arachnophroctonus* Howard, 1901				
A. (*A.*) *acapulcoensis* (Cameron, 1893)	*	♀♂	Mexico to El Salvador	

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TABLE 3. (Continued)

A. (*A.*) *allorices* (Banks, 1947)	*	♀	Argentina	Banks 1947
A. (*A.*) *alcataria* (Banks, 1947)		♀	Colombia, Surinam, Guiana	Banks 1947
A. (*A.*) *americanus ambiguus* (Dahlbom, 1845)		♀♂	Neotropics	Evans 1966a, Starr & Hook 2003, Snelling & Torres 2004
A. (*A.*) *apiculatus apiculatus* (Smith, 1855)		♀♂	Mexico Central America	
A. (*A.*) *arequipensis* (Brèthes, 1924)		♀	Peru Bolivia	Banks 1947, Rassmusen & Asenjo 2009
A. (*A.*) *argelesia* (Banks, 1947)		♀	Brazil	Banks 1947
A. (*A.*) *argenteomaculata* (Fox, 1897)		♀	Bolivia	Banks 1947
A. (*A.*) *atrimene* (Banks, 1947)		♀	Peru Argentina	Banks 1947, Rassmusen & Asenjo 2009
A. (*A.*) *bilunata* (Haliday, 1836)		♀♂	Brazil Argentina	Banks 1947
A. (*A.*) *boliviana* (Banks, 1947)		♀	Bolivia	Banks 1947
A. (*A.*) *caloderes* (Banks, 1945)		♀♂	Colombia	Banks 1945
A. (*A.*) *chiapanus* Evans, 1966		♀♂	Mexico to Costa Rica	Evans 1966a
A. (*A.*) *cuautemoc* Evans, 1966		♂	Mexico to Costa Rica	Evans 1966a
A. (*A.*) *cymocles* (Banks, 1947)		♀♂	Argentina	Banks 1947
A. (*A.*) *cynthia* (Banks, 1947)		♀	Argentina	Banks 1947
A. (*A.*) *decepta* (Fox, 1897)		♀	Brazil	Banks 1947
A. (*A.*) *echinatus* (Fox, 1897)		♀♂	Costa Rica to Brazil, Bolivia, Surinam	
A. (*A.*) *emortua* Banks, 1947		♀♂	Argentina	Banks 1947
A. (*A.*) *euacantha* Banks, 1947		♀	Bolivia	Banks 1947
A. (*A.*) *hermanni* (Holmberg, 1904)	*	♀♂	Argentina	
A. (*A.*) *hispaniolae* Evans, 1966	*	♀♂	Hispaniola, Puerto Rico	Snelling & Torres 2004, Waichert *et al.* 2012
A. (*A.*) *holmbergi* (Banks, 1947)		♀	Paraguay Brazil	Banks 1947
A. (*A.*) *inaurata* (Smith, 1879)		♀♂	Ecuador Bolivia Paraguay Argentina	
A. (*A.*) *inculcatrix* (Cameron, 1912)		♀♂	Trinidad, Surinam, Peru	Rassmusen & Asenjo 2009, Starr & Hook 2003, Santos *et al.* 2015
A. (*A.*) *marginicollis* (Taschenberg, 1869)		♀	Peru Paraguay Argentina	
A. (*A.*) *ornamenta* (Fox, 1897)		♂	Brazil	
A. (*A.*) *partita* (Fox, 1897)		♀	Surinam Bolivia Brazil Argentina	
A. (*A.*) *personata* (Fox, 1897)		♀♂	Brazil	

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TABLE 3. (Continued)

A. (*A.*) *peruviana* (Banks, 1947)		♀	Peru	Banks 1947, Rassmusen & Asenjo 2009
A. (*A.*) *platensis* (Brèthes, 1909)		♀	Brazil Uruguay	
A. (*A.*) *pulchrisoma* (Banks, 1947)		♀	Bolivia	
A. (*A.*) *scalaris* (Taschenberg, 1869)		♀♂	Brazil Argentina	
A. (*A.*) *semirufus* (Cresson, 1867)		♀♂	Mexico Guatemala	
A. (*A.*) *semicinctus* (Dahlbom, 1843)	*	♀♂	Brazil Argentina	
A. (*A.*) *separata* (Taschenberg, 1869)	*	♀	Argentina	
A. (*A.*) *sobrinus* (Spinola, 1851)	*	?	Chile	Wahis & Rojas 2003
A. (*A.*) *spinimanus* (Eschscholtz, 1823)	*	?	Chile	Wahis & Rojas 2003
A. (*A.*) *spinolae* (Kohl, 1905)	*	?	Chile	Wahis & Rojas 2003
A. (*A.*) *taschenbergi* (Brèthes)		♂	Bolivia Brazil	
A. (*A.*) *triqueta* (Fox, 1897)		♂	Ecuador Brazil Argentina	
A. (*A.*) *turcica* (Fabricius, 1775)		♀♂	Brazil	
A. (*A.*) *veranes* (Banks, 1947)		♀	Brazil	Banks 1947
A. (*A.*) *virilis* (Banks, 1947)		♀	Brazil	Banks 1947
Anoplius subgenus *Dicranoplius* Haupt, 1950				
A. (*D.*) *albidus* (Evans, 1969)	*	♀	Brazil	Pitts *et al.* 2017
A. (*D.*) *areatus* (Taschenberg, 1869)	*	♀♂	Peru Brazil Argentina	Pitts *et al.* 2017
A. (*D.*) *brevitarsus* (Banks, 1947)	*	♀♂	Trinidad to Paraguay, Brazil and Argentina	Pitts *et al.* 2017
A, (*D.*) *cujanus* (Holmberg, 1881)	*	♀♂	Argentina	Pitts *et al.* 2017
A. (*D.*) *diphonichus* (Spinola, 1851)	*	♀♂	Argentina Chile	Pitts *et al.* 2017
A. (*D.*) *evansi* Pitts & Sadler, 2017	*	♀♂	Colombia	Pitts *et al.* 2017
A. (*D.*) *nigritus* (Evans, 1969)	*	♀♂	Argentina	Pitts *et al.* 2017
A. (*D.*) *pampero* (Evans, 1969)	*	♀♂	Argentina	Pitts *et al.* 2017
A. (*D.*) *satanus* (Holmberg, 1881)	*	♀♂	Bolivia Argentina	Pitts *et al.* 2017
Anoplius subgenus *Lophopompilus* Radoszkowski, 1887				
A. (*L.*) *aethiops* (Cresson, 1865)		♂	Mexico Guatemala	Evans 1966a

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TABLE 3. (Continued)

A. (*L.*) sp 1	*	?	West Indies	Evans 1966a
A. (*L.*) sp 2	*	?	West Indies	Evans 1966a
Anoplius subgenus *Notiochares* Banks, 1917				
A. (*N.*) *amethystinus amethystinus* (Fabricius, 1793) h,m México a Panamá		♀♂	Mexico, Guatemala, Panama, Peru, Puerto Rico, West Indies from Gueadeloupe to Jamaica, Cuba, Bahamas	Evans 1966a, Rassmusen & Asenjo 2009, Snelling & Torres 2004
A. (*N.*) *amethystinus exclusus* (Smith, 1873)		♀♂	Panama to Argentina, West Indies	Evans 1966a
A. (*N.*) *diffinis* Banks, 1947	*	?	Peru	Rassmusen & Asenjo 2009
A. (*N.*) *lepidus lepidus* (Say, 1835)		♀♂	Panama to Argentina, West Indies	Evans 1966a
***Aplochares* Banks, 1944**				
A. adrastes Banks, 1947		♀♂	Brazil	Banks 1947
A. imitator (Smith, 1864)		♀	Honduras to Amazon	Evans 1966a
***Aporinellus* Banks, 1911**				
A. apicipennis Brèthes, 1910		♀♂	Bolivia Brazil	
A. fucatus (Kohl, 1905)	*	♀	Chile	Wahis & Rojas 2003
A. medianus Banks, 1912		♀♂	Mexico to Costa Rica, Cuba, Dominican Republic	Evans 1966a, Waichert *et al.* 2012
A. taeniatus taeniatus (Kohl, 1886)		♀♂	Mexico to Guatemala	Evans 1966a
A. yucatanensis (Cameron, 1893)		♀♂	Mexico to Costa Rica	Evans 1966a
***Arachnospila* Kincaid, 1900**				
A. dichromorphus (Rohwer, 1913)		?	Peru	Rassmusen & Asenjo 2009
A. eximia Herbst, 1928	*	♀	Chile	Wahis & Rojas 2003
A. imitatrix Wahis, 2002	*	?	Chile	Wahis & Rojas 2003
A. titicaensis (Strand, 1911)	*	?	Peru	Rassmusen & Asenjo 2009
A. tolteca (Banks, 1947)		♀	Peru	
A. trochilinus (Holmberg, 1881)		♀	Argentina	
***Aridestus* Banks, 1947**				
A. bergii (Holmberg, 1881)	*	♀	Paraguay	Evans 1966ab
A. jaffueli (Herbst, 1923)	*	?	Chile	Wahis & Rojas 2003
A. porteri Evans, 1966	*		Peru	Evans 1966b
***Austrochares* Banks, 1947**				
A. autrani (Holmberg, 1903)	*	♂	Argentina	Evans 1968

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TABLE 3. (Continued)

A. chilensis Evans, 1969		♀♂	Chile	Wahis & Rojas 2003
A. elsinore Banks, 1947	*	♀♂	Peru	Evans 1968, Santos *et al.* 2015
A. exiguus (Banks, 1947)		♂	Brazil	Evans 1968
A. gastricus (Spinola, 1851)		♀♂	Brazil Argentina	Evans 1968
Episyron Schiødte, 1837				
E. conterminus conterminus (Smith, 1873)	*	♀	Peru, Argentina, Brazil, Bolivia	Evans 1966a, Snelling & Torres 2004
E. conterminus cressoni (Dewtz, 1881)	*	♀♂	Mexico to Costa Rica, Puerto Rico	Evans 1966a, Snelling & Torres 2004
***Evagetes* Lepeletier, 1845**				
E. coerulea (Taschenberg, 1869)		?	Bolivia	
E. copiosa (Banks, 1947)		♀	Argentina?, Peru	Banks 1947, Santos *et al.* 2015
E. nitidulus (Guérin, 1838)	*	♀	Chile	Wahis & Rojas 2003
E. padrinus padrinus (Viereck, 1902)		♀♂	Mexico to El Salvador	Evans 1966a
E. peruana (Banks, 1947)		♀	Colombia Peru	Rassmusen & Asenjo 2009, Waichert *et al.* 2017
E. sp.	*	?	Colombia	Castro *et al.* 2014
***Neanoplius* Banks, 1947**				
N. coeruleosomus Banks, 1947		♀♂	Brazil	Banks 1947, Pitts & Sadler 2019
***Paracyphononyx* Gribodo, 1884**				
P. affinis (Banks, 1947)		♂	Ecuador	Banks 1947
P. amoenissimus (Dalla Torre, 1897)		♂	Brazil	
P. diabolicus (Holmberg, 1881)		♀	Brazil Paraguay Argentina	
P. fairchildi (Banks, 1947)		♀	Brazil	Banks 1947
P. incalis (Banks, 1947)		♂	Peru Colombia?	Banks 1947
P. minor (Banks, 1947)		♀	Brazil	Banks 1947
P. neriene (Banks, 1947)		♀	Argentina	Banks 1947
P. neriene alienus (Banks, 1947)		♀	Argentina	Banks 1947
P. scapulatus (Brèthes, 1913)		♂	Bolivia Brazil Argentina	
P. semiplumbeus (Taschenberg, 1869)		♀♂	Brazil Argentina	
P. sericeus (Banks, 1947)		♂	Brazil	Banks 1947
P. serraticornis (Taschenberg, 1869)		♂	Brazil	

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TABLE 3. (Continued)

P. sulcatus (Fox, 1897)		♀	Brazil	
P. unicolor (Smith, 1879)		♀♂	Central America Southern South America	
***Poecilopompilus* Howard, 1901**				
P. algidus fervidus (Smith, 1873)		♀♂	Panama to Argentina, Trinidad	Colomo de Correa 1998, Starr & Hook 2003
P. algidus marcidus (Smith, 1862)		♀♂	Mexico to Costa Rica	Colomo de Correa 1998
P. badius Evans, 1966		♀	Costa Rica to Peru	Colomo de Correa 1998
P. eurymelus (Banks, 1947)		♀♂	Brazil	Colomo de Correa 1998
P. exquisitus (Fox, 1897)		♀	Brazil	Colomo de Correa 1998
P. decedens (Smith, 1873)		♀	Peru Brazil Guiana	Colomo de Correa 1998
P. familiaris (Smith, 1879)		♀♂	Brazil Paraguay Guiana	Colomo de Correa 1998
P. interruptus dubitatus (Cameron, 1893)		♀♂	Mexico to Panama	Colomo de Correa 1998
P. mixtus (Fab., 1794)		♀♂	Costa Rica to Paraguay, Trinidad, West Indies	Colomo de Correa 1998, Starr & Hook 2003, Waichert *et al.* 2012
P. rubricatus (Smith, 1879)		♀	Peru	Colomo de Correa 1998, Santos *et al.* 2015
***Tachypompilus* Ashmead, 1902**				
T. atratus Colomo de Correa, 1985		♀	Argentina	Colomo de Correa 1987
T. banksi Colomo de Correa, 1985		♀♂	Brazil Uruguay Argentina	Colomo de Correa 1987
T. erubescens (Taschenberg, 1869)		♀♂	Brazil Uruguay Argentina	Colomo de Correa 1987
T. ferrugineus affinis Banks, 1947		♀♂	Panama to Paraguay	Colomo de Correa 1987
T. ferrugineus burrus (Cresson, 1869)		♀♂	Mexico to Costa Rica	Evans 1966aa
T. ferrugineus bicolor (Banks, 1938)	*	♀♂	Cuba, Dominican Republic	Banks, 1938, Waichert *et al.* 2012
T. gracilis Colomo de Correa, 1985		♀♂	Argentina	Colomo de Correa 1987
T. latus (Smith, 1879)		♀	Brazil Argentina	Colomo de Correa 1987
T. mendozae (Dalla Torre, 1897)		♀♂	Panama to Argentina, Trinidad	Colomo de Correa 1987, Starr & Hook 2003
T. pallidus (Banks, 1947)		♀	Peru	Banks 1947, Santos *et al.* 2015
T. rubiginosus (Taschenberg, 1869)		♀♂	Bolivia Argentina	Colomo de Correa 1987
T. torridus (Smith, 1862)		♀	Trinidad	
T. unicolor cerinus Evans, 1966		♀♂	Mexico to Costa Rica	Evans 1966a
T. vulpes (Dalla Torre, 1897)		♀	Bolivia Guiana	Colomo de Correa 1987
T. xanthopterus (Rohwer, 1913)		♀♂	Peru Brazil Paraguay Argentina	Colomo de Correa 1987

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TABLE 3. (Continued)

***Xenanoplius* Haupt, 1950**				
X. tristis (Kohl, 1886)	*	♀	Brazil	
***Xenopompilus* Evans, 1953**				
X. tarascanus Evans, 1953	*	♀♂	Mexico to Costa Rica?	Evans 1960
X. tlahuicanus Evans, 1953	*	♀♂	Mexico to Costa Rica?	Evans 1960
***Xerochares* Evans, 1951**				
X. expulsus Schulz, 1906	*	♀♂	Mexico to Colombia	Evans 1966a, Castro *et al.* 2014
Priochilini				
***Braunilla* Wasbauer & Kimsey, 2019**				
B. auripennis (Fabricius, 1804)		♀♂	Panama to Brazil, Guiana, Trinidad, Peru	Evans 1966a, Starr & Hook 2003, Santos *et al.* 2015
B. cameroni (Evans, 1966)		♀♂	Costa Rica Panama	Evans 1966a
B. elegans (Banks, 1947)		♀	Bolivia	Banks 1947
B. fenestralis (Banks, 1947)		?	Bolivia	Banks 1947
B. fraterna (Banks, 1947)		♀	Ecuador Peru	Rassmusen & Asenjo 2009
B. fulvipes (Banks, 1944)		♀	Trinidad, Guiana	Banks 1944
B. manifestata (Smith, 1846)		♀	Amazon, Peru	Santos *et al.* 2015
*B. nigrina (*Banks, 1947)		?	Brazil	Banks 1947
B. pulchella (Evans, 1966)		♀	Panama	Evans 1966a
B. tarsalis (Cameron, 1897)		♀	Guatemala	Evans 1966a
***Pompiliodon* Wasbauer, 2019**				
P. katina Wasbauer, 2019	*	♀♂	Ecuador, French Guiana	Wasbauer & Kimsey 2019
***Priochilus* Banks, 1944**				
P. admirationis admirationis (Cameron, 1893)		♀	Honduras to Panama	Evans 1966a
P. amabilis Banks, 1947		♀♂	Ecuador	Banks 1947
P. captivum (Fabricius, 1804)		♀♂	Costa Rica to Brazil, Trinidad, Peru	Evans 1966a, Santos *et al.* 2015
P. chrysopygus Wasbauer, Cambra & Añino 2017	*	♀♂	Panama	Wasbauer *et al.* 2017
P. clarus Banks, 1945	*	♂	Colombia	
P. formosus Banks, 1944	*	♀	Guiana, Peru	Rassmusen & Asenjo 2009, Santos *et al.* 2015
P. formosus hondurense Dreisbach, 1950	*	♀	Honduras to Costa Rica, Colombia	Evans 1966a, Waichert *et al.* 2017

.....continued on the next page

TABLE 3. (Continued)

P. fragilis (Smith, 1864)		♂	Colombia	
P. fraternus Banks, 1946	*	♀	Ecuador	
P. fustiferum Evans, 1966		♂	Costa Rica to Venezuela	Evans 1966a
P. gloriosum gloriosum (Cresson, 1869)		♀♂	Mexico to Venezuela, Trinidad, Peru	Evans 1966a, Starr & Hook 2003, Santos *et al.* 2015
P. gloriosum multifasciatum (Taschenberg, 1869)	*	♀♂	Mexico to Venezuela, Peru	Rassmusen & Asenjo 2009
P. gracile Evans, 1966		♀♂	Costa Rica, Panama	Evans 1966a
P. imperius Banks, 1944		♀♂	Colombia, Ecuador, Bolivia, Peru, Brazil	Waichert *et al.* 2017, Santos *et al.* 2015 (recorded as *P. pectoralis* (Smith, 1855))
P. nigrocyaneus Guérin, 1838	*	♀♂	Guianas to Peru and Chile	Wahis & Rojas 2003
P. nobilis (Fabricius, 1787)		♀♂	Trinidad Peru Bolivia Brazil Guiana	Starr & Hook 2003
P. nubilus Banks, 1947		♂	Ecuador Brazil	
P. peruanus Banks, 1947		♀	Peru	Rassmusen & Asenjo 2009
P. plutonis Banks, 1944		♀	Ecuador Guiana	
P. regius regius (Fabricius, 1804)	*	♀♂	Panama to Brazil, Peru, Guiana, Trinidad	Corro & Cambra 2011, Starr & Hook 2003, Santos *et al.* 2015
P. regius infumatus Banks, 1947		?	Ecuador, Peru, Brazil	
P. ruficoxalis (Fox, 1897)		♂	Ecuador, Peru	Santos *et al.* 2015
P. scrupulum (Fox, 1897)		♀♂	Panama to Brazil, Guiana, Peru	Evans 1966a, Santos *et al.* 2015 (recorded as *P. gracillimus* (Smith, 1855))
P. sericeifrons (Fox, 1897)		♀♂	Mexico to Brazil, Trinidad	Evans 1966a, Starr & Hook 2003, Santos *et al.* 2015
P. splendidulum splendidulum (Fabricius, 1804)	*	♀♂	Mexico to Guatemala, Peru, Trinidad	Evans 1966a, Rassmusen & Asenjo, 2009, Starr & Hook 2003, Santos *et al.* 2015
P. superbus Banks, 1944		♀	Peru Guiana	Rassmusen & Asenjo 2009
P. veraepacis (Cameron, 1893)		♀♂	Guatemala to Brazil, Guiana, Peru	Evans 1966a, Santos *et al.* 2015
P. vitulinus (Dalla Torre, 1897)		♀	Brazil Guiana	Evans 1966a
Sericopompilini				
***Sericopompilus* Howard, 1901**				
S. neotropicalis (Cameron, 1893)	*	♀♂	Mexico to Costa Rica	Evans 1966a

The biology, diversity of behavior associated with hunting spiders, patterns of mimicry and biogeography of Pompilidae are fascinating. In order to better understand their evolution, we need a solid systematics base that must include monographs and user-friendly identification guides and keys. With this information, we would reach a better understanding on the diversity and evolution of this group in the Neotropical region.

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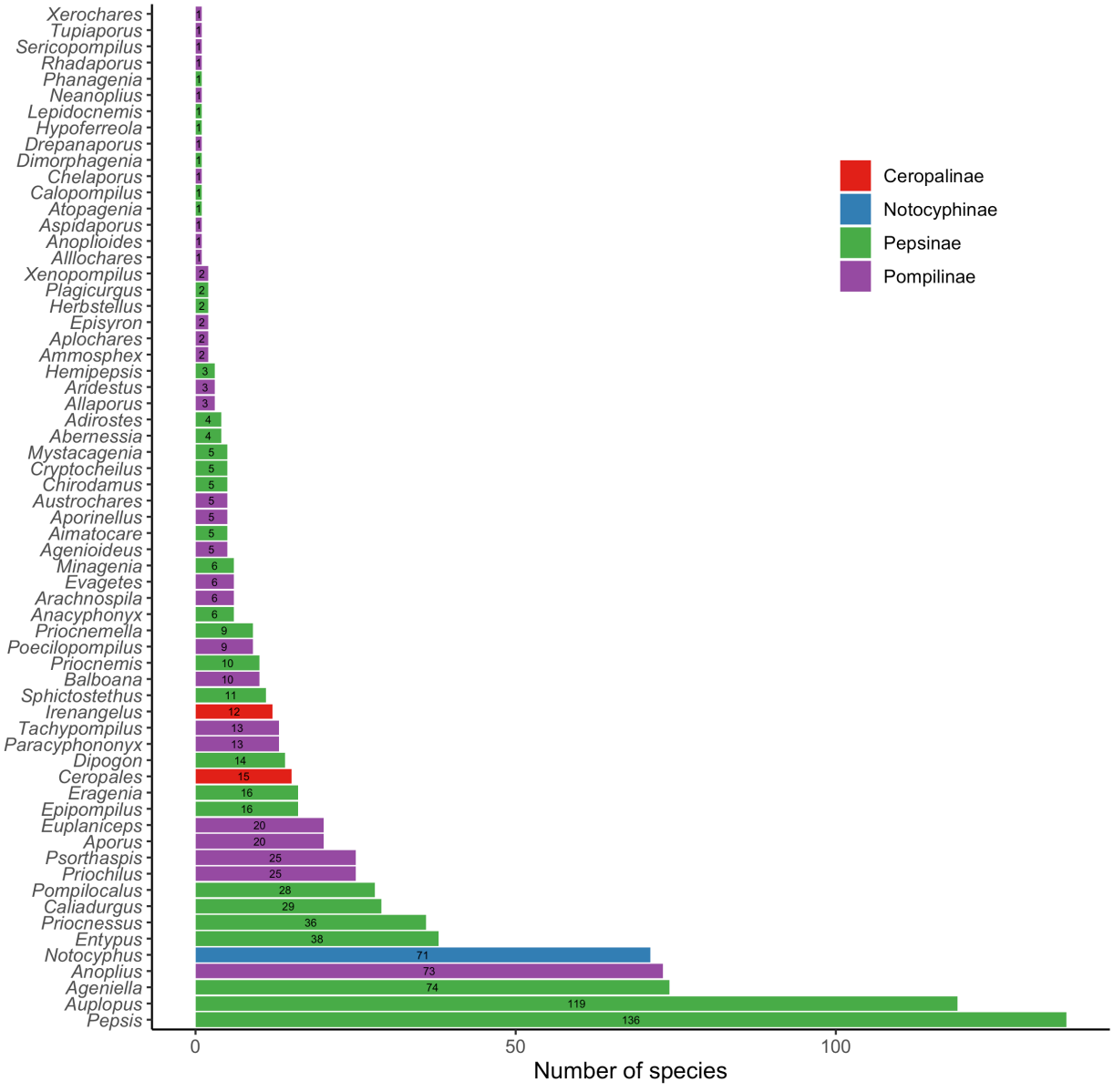

FIGURE 1. Number of Neotropical species by genus in the family Pompilidae. Color bars follow subfamilial classification: Pepsinae in green, Pompilinae in purple, Notocyphinae in blue, Ceropalinae in red. *Braunilla* es the new name for Balboana (Wasbauer & Kimsey, 2019b).

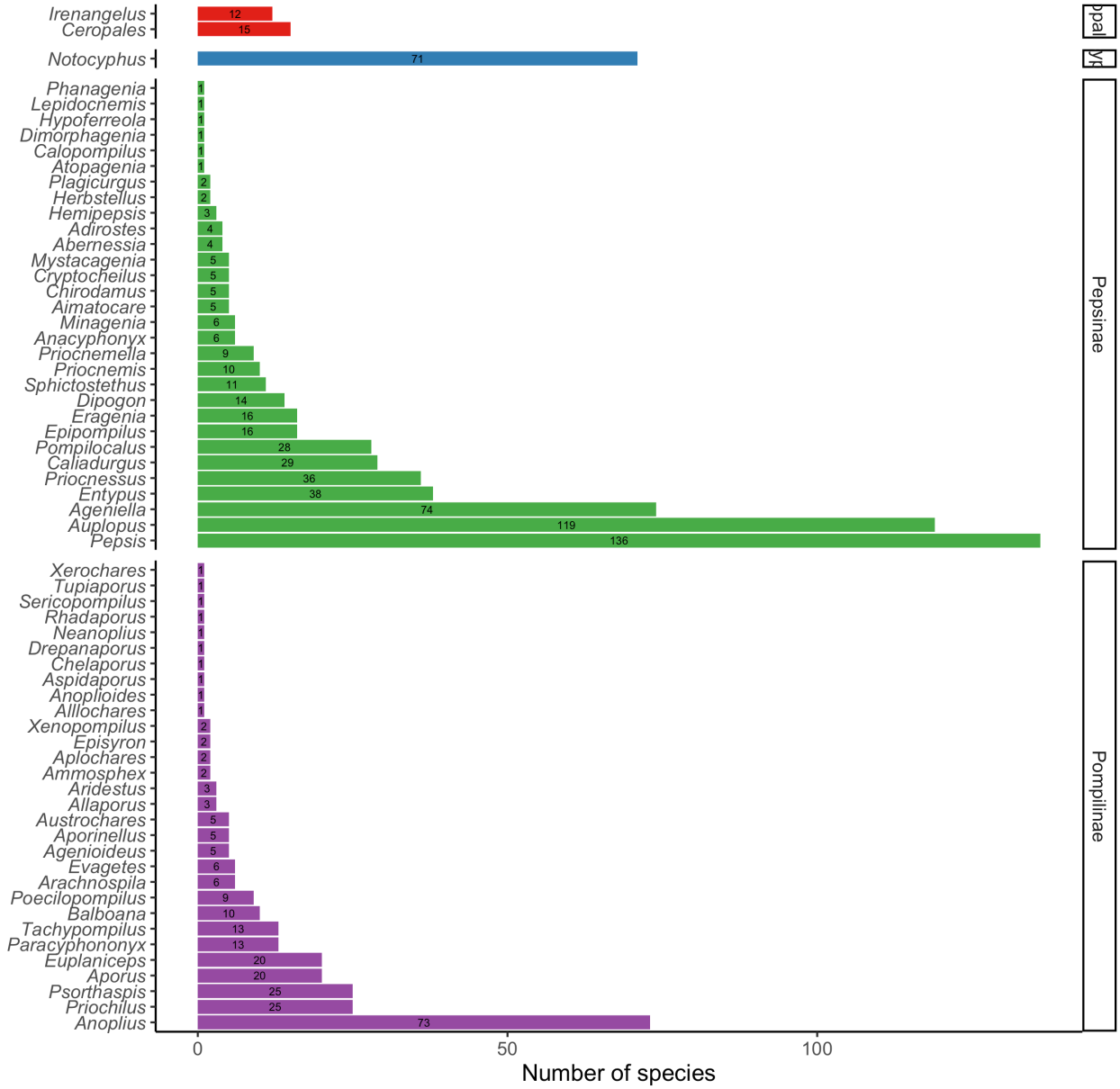

FIGURE 2. Number of species for subfamilies: Ceropalinae, Notocyphinae, Pepsinae and Pompilinae. *Braunilla* es the new name for Balboana (Wasbauer & Kimsey, 2019b).

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