A literature-based review of Hymenoptera Parasitica and Chrysidoidea from Reunion Island

David Muru¹, Michael Madl², Maxime Jacquot¹³, Jean-Philippe Deguine¹

¹ CIRAD, UMR PVBMT, F – 97410 Saint-Pierre, La Réunion, France ² Naturhistorisches Museum, 2 Zoologische Abteilung, Burgring 7, 1010 Wien, Austria ³ Université de La Réunion, UMR PVBMT, F-97410, Saint-Pierre, La Réunion, France

Corresponding author: David Muru (david.muru@hotmail.fr)

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Abstract
A review of the genera and species of Hymenoptera Parasitica and Chrysidoidea reported so far from Reunion Island is provided with host information. Data presented here is based on a review of the existing literature by the authors. The list includes: (1) 156 species of Ichneumonoidea belonging to 65 genera and 25 subfamilies (Braconidae: Agathidinae, Alysiinae, Aphidiinae, Braconinae, Charmontinae, Cheloniinae, Doryctinae, Euphorinae, Gnamptodontinae, Microgastrinae, Opiinae; Ichneumonidae: Banchinae, Campopleginae, Cremastinae, Cryptinae, Diplopontinae, Ichneumoninae, Mesochorinae, Metopiinae, Ophioninae, Orthocentrinae, Pimplinae, Tersilochinae, Tryphoninae); (2) 121 species of Chalcidoidea belonging to 56 genera and 8 families (Agaonidae, Aphelinidae, Chalcididae, Encyrtidae, Eulophidae, Eupelmidae, Eurytomidae, Ormyridae, Pteromalidae, Signiphoridae, Tormyidae and Trichogrammatidae); (3) seven species of Cynipoidea (family Figitidae); (4) six species of Chrysidoidae in three families (Bethylidae, Chrysididae, Dryinidae); (5) five species of Platygastroidea (families Platygastridae and Scelionidae); (6) five species of Diaprioidae (family Diapriidae); (7) four species of Ceraphronoidae (families Ceraphronidae and Megasphilidae); and (8) two species of Evanioidea (family Evaniiidae). This review records a total of 306 species.

Keywords
Hymenoptera, checklist, Chalcidoidea, Ichneumonoidea, Diaprioidae, Cynipoidea, Evanioidea, Chrysidoidae, Ceraphronoidae, Platygastroidea, Reunion Island
Introduction

The parasitoids of the Hymenoptera Apocrita form one of the most species-rich groups of animals, potentially representing more than 20% of the world’s insects (LaSalle and Gauld 1992). Furthermore, they play an important role in the regulation of insect pests and many of them are used in biological control programs all over the world. The failures and successes of their use in biocontrol have been extensively reviewed (e.g. DeBach 1964, Funasaki et al. 1988, DeBach and Rosen 1991, van Driesche and Bellows 1996, Smith 1996, Solomon et al. 2001).

To date, the diversity of Hymenoptera in La Réunion has been partially studied. There have been some studies on the hymenopteran diversity around 1950. Risbec (1957) and Benoit (1957) reviewed the Chalcidoidea/Proctotrupoidea and the Ichneumonoidea, respectively. To our knowledge, after 1957 almost nothing was published on the hymenopteran diversity of Reunion Island (only Wiebes 1981 on the figwasps) until 2001 when Vayssièere et al. published a review of the pests and their natural enemies on several crops of the island. Two years later, this work was followed and updated by the publication of a book (Quilici et al. 2003). At this time, taxonomic work on Parasitica was far from exhaustive because it only dealt with parasitoids associated with important pests. In fact, a lot of work has been done to combat key pests such as Tephritid flies (Diptera: Tephritidae) in mango and cucurbit fruits. Nevertheless, the taxonomic review of the fauna from Reunion Island has been conducted for a few groups. Rousse and Villemant (2012) reviewed the Ichneumonidae and provided a key to species of the Island with 15 species new to science. Some subfamilies of Braconidae (Ichneumonoidea) have been reviewed: Madl (2007, Agathidinae), Fischer and Madl (2008, Opiinae), Rousse and Braet (2012, Euphorinae), Braet et al. (2012, Cheiloninae), Rousse and Gupta (2013, Microgastrinae). Madl and van Ackerberg (2014) published a catalogue of the Braconidae of Malagasy subregion, including Reunion Island. Fischer (2014) published an important paper on Alysiinae and Opiinae (Braconidae) with 12 species new to science. Until now the study of Ichneumonoidea has added more than 140 species to the list of Benoit (1957).

Superfamilies other than the Ichneumonoidea were less studied. For example, the Chalcidoidea may have a diversity similar to or higher than that of the Ichneumonoidea. In fact, there are a lot of unpublished data from the work of Marc Attié (2001–2004). The material collected during his work is now at the CBGP in Montpellier (France).

By reviewing the published data, this work provides a first list of all the Hymenoptera Parasitica of Reunion Island and the superfamily Chrysidoidea (belonging to the Hymenoptera Aculeata). We think this work will be a valuable tool for future inventories or work on biological control. Indeed, this work allows the detection of new indigenous natural enemies (e.g. Pristomerus river, Ichneumonidae, parasitoid of Prophantis smaragdina, Lepidoptera) and invasive hyperparasitoid or parasitoid of predators (e.g. Homalotylus eytelweinii, Encyrtidae, a parasitoid of Rodolia chermesina, Coccinellidae).
Arrangement of the checklist

In this review, superfamilies are treated according to their importance, the most diverse (Ichneumonoidea) presented first. Genera known so far from Reunion Island are grouped according to subfamilies, and family affiliation. For convenience, families, subfamilies, genera and species are listed in alphabetical order. Genera and species names are followed by the names of the author(s) and year of first description, then by the reference of the record and, when available, host data.

The review includes three tables summarizing (1) the Ichneumonoidea, (2) the Chalcidoidea, (3) the records for the other superfamilies, each with general host information.

Discussion

The present work is a literature-based review. Therefore, users should be aware that it might contain some mistakes present in the original literature. However, all references are listed so that the records can be validated.

This review lists 306 species of parasitoid Hymenoptera recorded from the island belonging to eight superfamilies. Of the species and genera reported from the island, at least 1 genus and 14 species of Ichneumonidae (Rousse and Villemant 2012), and 1 genus and 25 species of Braconidae (Madl 2007, Rousse and Braet 2012, Rousse and Gupta 2013), may be endemic as they currently only are recorded from Reunion Island. On the other hand, several species are now cosmopolitan in distribution due to their widespread use as biocontrol agents.

When compared with other geographical regions of the world, the study of hymenopteran parasitoid diversity in Reunion Island is still preliminary. Many new taxa will probably be found from the region in the future, and thus this checklist will need to be periodically updated.

Checklist of Hymenoptera Parasitica and Chrysidoidea from Reunion Island

Superfamily: ICHNEUMONOIDEA
Family: BRACONIDAE
Subfamily: Agathidinae

Genus: Biroia Szépligeti, 1900
Biroia costata (Brullé, 1846)
   Recorded from: Granger 1949
   Host information: Unknown
Genus: *Camptothlipsis* Enderlein, 1920
*Camptothlipsis curticornis* Granger, 1949
   Recorded from: Quilici et al. 2003
   Host information: *Nephopterix beharella* (Lepidoptera, Pyralidae) (Quilici et al. 2003, Madl 2007)

Genus: *Coccygidium* de Saussure, 1890
*Coccygidium lutea* (Brullé, 1846)
   Recorded from: Szépligeti 1904
   Host information: *Condica conducta, Mythimna curvula, Mythimna loreyi* (Lepidoptera, Noctuidae) (Madl 2007)

Subfamily: Alysiinae

Genus: *Adelphenaldis* Fischer, 2003
*Adelphenaldis grimmorum* Fischer, 2014
   Recorded from: Fischer 2014
   Host information: Unknown

*Adelphenaldis nanocorpus* Fischer, 2014
   Recorded from: Fischer 2014
   Host information: Unknown

Genus: *Aphaereta* Förster, 1863
*Aphaereta* sp.
   Recorded from: Quilici et al. 2003
   Host information: Diptera Cyclorrhapha (Gauld and Bolton 1988)

Genus: *Asobara* Förster, 1863
*Asobara diadegmae* Fischer, 2014
   Recorded from: Fischer 2014
   Host information: Hyperparasitoid of *Diadegma* sp. (ex *Plutella xylostella*, Lepidoptera) (Fischer 2014)

Genus: *Cratospila* Förster, 1863
*Cratospila sinenotaulis* Fischer, 2014
   Recorded from: Fischer 2014
   Host information: Unknown
Genus: **Dacnusa** Haliday, 1833

*Dacnusa sibirica* Telenga, 1934
- Recorded from: Vayssières et al. 2001
- Host information: *Liriomyza* spp. (Diptera, Agromyzidae) (Vayssières et al. 2001)

*Dacnusa* sp.
- Recorded from: Vayssières et al. 2001
- Host information: Unknown, but *Dacnusa* spp. are parasitoids of *Liriomyza* spp. (Diptera, Agromyzidae) (Vayssières et al. 2001)

Genus: **Dinotrema** Förster, 1863

*Dinotrema candidiapex* Fischer, 2014
- Recorded from: Fischer 2014
- Host information: Unknown

Genus: **Synaldis** Förster, 1863

*Synaldis dugainensis* Fischer, 2014
- Recorded from: Fischer 2014
- Host information: Unknown

*Synaldis robusticeps* Fischer, 2014
- Recorded from: Fischer 2014
- Host information: Unknown

Subfamily: **Aphidiinae**

Genus: **Aphidius** Nees, 1818

*Aphidius camerunensis* Mackauer, 1966
- Recorded from: Stary et al. 1994
- Host information: *Sitobion* spp. (Hemiptera, Aphididae) (Todorov 2009)

*Aphidius colemani* Viereck, 1912
- Recorded from: Vayssières et al. 2001
- Host information: Hemiptera, Aphididae, Genera: *Aphis, Aulacorthum, Brachycaudus, Brevicorinae, Capitophorus, Dysaphis, Hialopterus, Hayhurstia, Hyadaphis, Hypermizus, Macrosiphon, Melanaphis, Micromizus, Mizodes, Mizus, Pterocoma, Rhopalosiphum, Schizaphis, Thelaxis, Toxoptera* (Todorov 2009)

*Aphidius rosae* Haliday, 1833
- Recorded from: Starý et al. 1977
- Host information: *Macrosiphum rosae, Sitobion fragariae* (Hemiptera, Aphididae) (Mackauer and Stary 1967, Stary 1973)
Aphidius seyrigi Granger, 1949
   Host information: Hemiptera, Aphididae

Genus: Diaeretiella Starý, 1960
   Diaeretiella rapae (McIntosh, 1855)
   Host information: Myzus persicae, Brevicoryne brassicae, Lipaphis erysimi on cabbage, cauliflower, mustard, etc. Aphis craccivora, Aphis fabae, Aphis gossypii, Brachycydon helichrysi, Hysteroneura setariae, and Schizaphis graminum (Hemiptera, Aphididae) (Raychaudhuri 1990)

Genus: Praon Haliday, 1833
   Praon sp.
   Host information: Aphis sp. (Vayssières et al. 2001) Uroleucon sonchi, Hyperomyzus lactucae, Nasonovia ribisnigri, Macrosiphum euphorbiae (Madl and van Achterberg 2014) (Hemiptera, Aphididae)

Subfamily: Braconinae

Genus: Bracon Fabricius, 1804
   Bracon (Habrobracon) hebetor (Say, 1836)
   Host information: Maruca vitrata or Maruca testulalis (Lepidoptera, Crambidae), Lampides boeticus (Lepidoptera, Lycaenidae), Corcyra cephalonica, Etiella zinckenella (Lepidoptera, Pyralidae) (Madl and van Achterberg 2014)

Genus: Iphiaulax Förster, 1863
   Iphiaulax didymus (Brullé, 1846)
   Host information: Unknown

Subfamily: Charmontinae

Genus: Charmon Haliday, 1833
   Charmon ramagei Rousse, 2013
   Host information: Unknown
Subfamily: Cheloninae

Genus: Chelonus Panzer, 1806

Chelonus (Microchelonus) curvimaculatus Cameron, 1906
- Recorded from: Quilici et al. 2003, Braet et al. 2012
- Host information: Nephopterix beharella (Lepidoptera, Pyralidae) (Quilici et al. 2003), Pectinophora gossypiella (Lepidoptera, Gelechiidae), Trichoplusia ni (Lepidoptera, Noctuidae) (Chiri and Legner 1982, Jones 1986)

Chelonus (Microchelonus) matilei Braet & Rousse, 2012
- Recorded from: Braet et al. 2012
- Host information: Unknown

Chelonus (Chelonus) mayi Braet & Rousse, 2012
- Recorded from: Braet et al. 2012
- Host information: Unknown

Chelonus (Microchelonus) merdicus Rousse & Braet, 2012
- Recorded from: Braet et al. 2012
- Host information: Unknown

Chelonus sp.
- Recorded from: Quilici et al. 2003
- Host information: Unknown

Subfamily: Doryctinae

Genus: Ipodoryctes Granger, 1949

Ipodoryctes sp.
- Recorded from: Zaldivar-Riveron et al. 2008
- Host information: Parasitoid of xylophagus and stem-boring Coleoptera (Beyarslan 2015)

Genus: Rinamba Cameron, 1912

Rinamba opacicollis Cameron, 1912
- Recorded from: Braet 2001
- Host information: Parasitoid of xylophagus and stem-boring Coleoptera larvae (Beyarslan 2015)
Subfamily: Euphorinae

Genus: *Centistes* Haliday, 1835
*Centistes caloupile* Rousse & Braet, 2012
- Recorded from: Rousse and Braet 2012
- Host information: Unknown

Genus: *Chrysopophthorus* Goidanich, 1948
*Chrysopophthorus* sp.
- Recorded from: Semeria and Quilici 1986
- Host information: Unknown, but *Chrysopophthorus* spp. are endoparasitoidss of Chrysopidae (Neuroptera) (Séméria 1976)

Genus: *Cosmophorus* Ratzeburg, 1848
*Cosmophorus merdiculatus* Rousse & Braet, 2012
- Recorded from: Rousse and Braet 2012
- Host information: Unknown, but *Cosmophorus* spp. are endoparasitoidss of adult bark beetles (Coleoptera, Scolytinae) (Watanabe 1968)

Genus: *Leiophron* Nees, 1819
*Leiophron sarahae* Rousse & Braet, 2012
- Recorded from: Rousse and Braet 2012
- Host information: Unknown, but *Leiophron* spp. are parasitoids of Miridae and Psocoptera (Simbolotti et al. 2002)

*Leiophron yaeli* Rousse & Braet, 2012
- Recorded from: Rousse and Braet 2012
- Host information: Unknown, but *Leiophron* spp. are parasitoids of Miridae and Psocoptera (Simbolotti et al. 2002)

Genus: *Meteorus* Haliday, 1835
*Meteorus anthracnemis* de Saeger, 1946
- Recorded from: Rousse and Braet 2012
- Host information: Unknown, but *Meteorus* spp. are endoparasitoidss of Lepidoptera or Coleoptera (van Achterberg 1979; Zitani et al. 1997)

*Meteorus comonile* Rousse & Braet, 2012
- Recorded from: Rousse and Braet 2012
- Host information: Unknown, but *Meteorus* spp. are endoparasitoidss of Lepidoptera or Coleoptera (van Achterberg 1979; Zitani et al. 1997)
Meteorus pulchricornis Wesmael, 1835
Recorded from: Rousse and Braet 2012
Host information: Lepidoptera: Geometridae, Lasiocampidae, Lycaenidae, Lymnantriidae, Noctuidae, Nolidae, Nymphalidae, (Huddleston 1980) Arctiidae, Papilionidae, (Maetô 1990) Plutellidae, (Okada 1989) and Tortricidae, (Berry 1997)

Genus: *Syntretus* Förster, 1863
*Syntretus massale* Rousse and Braet, 2012
Recorded from: Rousse and Braet 2012
Host information: Unknown, but *Syntretus* spp. are solitary endoparasitoidss of adult Hymenoptera (Ichneumonidae and Apidae (Rousse and Braet 2012)

Subfamily: Microgastrinae

Genus: *Apanteles* Förster, 1863
*Apanteles aff. acutissimus* Granger, 1949
Recorded from: Vayssières et al. 2001
Host information: *Diaphana indica* (Lepidoptera, Crambidae) (Vayssières et al. 2001)

*Apanteles bordagei* Giard, 1902
Recorded from: Rousse and Gupta 2013
Host information: Endoparasitoid of *Crobylophora daricella, Leucoptera caffeina, Leucoptera mayricki* (Lepidoptera, Lyonetiidae) (Ferrière 1936, Rousse and Gupta 2013)

*Apanteles fontinalis* de Saeger, 1944
Recorded from: Rousse and Gupta 2013
Host information: Unknown, but *Apanteles* are endoparasitoids of Lepidoptera larvae (Farahani et al. 2012)

*Apanteles galleriae* Wilkinson, 1932
Recorded from: Rousse and Gupta 2013
Host information: *Achroia grisella, Galleria mellonella and Vitula edmansii* (Lepidoptera, Pyralidae) (Rousse and Gupta 2013)

*Apanteles* (*Apanteles*) minatchy Rousse & Gupta, 2013
Recorded from: Rousse and Gupta 2013
Host information: Unknown, but *Apanteles* are endoparasitoids of Lepidoptera larvae (Farahani et al. 2012)
**Apanteles (Apanteles) nigrofemoratus** Granger, 1949  
Recorded from: Rousse and Gupta 2013  
Host information: *Tortyra* sp. (Lepidoptera, Choreutidae) (Rousse and Gupta 2013)

**Apanteles (Apanteles) phasmina** Rousse, 2013  
Recorded from: Rousse and Gupta 2013  
Host information: Unknown, but *Apanteles* spp. are endoparasitoids of Lepidoptera larvae (Farahani et al. 2012)

**Apanteles (Apanteles) romei** Rousse, 2013  
Recorded from: Rousse and Gupta 2013  
Host information: *Diaphina* sp. (Lepidoptera, Pyralidae) on *Momordicha charantia* (Cucurbitaceae) (Rousse and Gupta 2013)

**Genus: Cotesia** Cameron, 1891

**Cotesia flavipes** Cameron, 1891  
Recorded from: Kfir et al. 2002  
Host information: About 30 lepidopteran species in Arctiidae, Brachodidae, Lymantriidae, Noctuidae, Pyralidae and Tortricidae, including major pests (Rousse and Gupta 2013)

**Cotesia plutellae** (Kurdumov, 1912)  
Recorded from: Rousse and Gupta 2013  
Host information: About 30 lepidopteran species in Arctiidae, Lasiocampidae, Lymantriidae, Noctuidae, Notodontidae, Nymphalidae, Pieridae, Plutellidae, Pterophoridae, Pyralidae and Tortricidae, including major pests (Rousse and Gupta 2013)

**Cotesia ruficrus** (Haliday, 1834)  
Recorded from: Rousse and Gupta 2013  
Host information: About 100 lepidopteran species in Arctiidae, Brachodidae, Dilobidae, Gelechiidae, Geometridae, Hesperiidae, Lasiocampidae, Lycaenidae, Lymantriidae, Noctuidae, Nymphalidae, Pieridae, Plutellidae, Pyralidae and Tortricidae (Rousse and Gupta 2013)

**Cotesia sesamiae** (Cameron, 1906)  
Recorded from: Van Achterberg and Polaszek 1996  
Host information: 15 species of Noctuidae and Pyralidae, including major pests (Rousse and Gupta 2013)

**Cotesia xavieri** Rousse, 2013  
Recorded from: Rousse and Gupta 2013  
Host information: Unknown, but *Apanteles* spp. are endoparasitoids of Lepidoptera larvae (Rousse and Gupta 2013)
Genus: *Diolcogaster* Ashmead, 1900

*Diolcogaster australis* (Wilkinson, 1929)

Recorded from: Aubert 1966

Host information: Unknown, but *Diolcogaster* spp. are endoparasitoids in 11 families of Lepidoptera including: Arctiidae, Geometridae, Lasiocampidae, Limacodidae, Lymantridae, Noctuidae, Notodontidae, Plutellidae, Pyralidae, Tenthredinidae, and Thaumetopoeidae (Zeng et al. 2011)

*Diolcogaster curticornis* (Granger, 1949)

Recorded from: Rousse and Gupta 2013

Host information: *Brenthia leptocosma*, (Lepidoptera, Choreutidae) *Macalla* sp. (Lepidoptera, Pyralidae) (Rousse and Gupta 2013)

Genus: *Distatrix* Mason, 1981

*Distatrix belliger* (Wilkinson, 1929)

Recorded from: Rousse and Gupta 2013

Host information: *Helicoverpa armigera*, *Pseudaletia unipunctata* and *Mythimna* sp. (Lepidoptera, Noctuidae) (Rousse and Gupta 2013)

*Distatrix yunae* Rousse & Gupta, 2013

Recorded from: Rousse and Gupta 2013

Host information: Unknown, but *Distatrix* spp. are endoparasitoids of Lepidoptera larvae (Rousse and Gupta 2013)

Genus: *Dodogaster* Rousse, 2013

*Dodogaster grangeri* Rousse, 2013

Recorded from: Rousse and Gupta 2013

Host information: Unknown

Genus: *Dolichogenidea* Viereck, 1911

*Dolichogenidea ashoka* Rousse, 2013

Recorded from: Rousse and Gupta 2013

Host information: Unknown, but *Dolichogenidea* spp. are endoparasitoids of Lepidoptera larvae (Rousse and Gupta 2013)

*Dolichogenidea broadi* Rousse, 2013

Recorded from: Rousse and Gupta 2013

Host information: Unknown, but *Dolichogenidea* spp. are endoparasitoids of Lepidoptera larvae (Rousse and Gupta 2013)

*Dolichogenidea lumba* Rousse & Gupta, 2013

Recorded from: Rousse and Gupta 2013

Host information: Unknown, but *Dolichogenidea* spp. are endoparasitoids of Lepidoptera larvae (Rousse and Gupta 2013)
Dolichogenidea uru Rousse & Gupta, 2013
Recorded from: Rousse and Gupta 2013
Host information: Unknown, but Dolichogenidea spp. are endoparasitoids of Lepidoptera larvae (Rousse and Gupta 2013)

Dolichogenidea villemantae Rousse, 2013
Recorded from: Rousse and Gupta 2013
Host information: Unknown, but Dolichogenidea spp. are endoparasitoids of Lepidoptera larvae (Rousse and Gupta 2013)

Genus: Exoryza Mason, 1981
Exoryza safranum Rousse & Gupta, 2013
Recorded from: Rousse and Gupta 2013
Host information: Unknown, but Exoryza spp. are endoparasitoids of Lepidoptera larvae (Rousse and Gupta 2013)

Genus: Glyptapanteles Ashmead, 1904
Glyptapanteles antsirabensis (Granger, 1949)
Recorded from: Rousse and Gupta 2013
Host information: Unknown, but Glyptapanteles spp. are endoparasitoids of Lepidoptera larvae (Rousse and Gupta 2013)

Glyptapanteles chidra Rousse & Gupta, 2013
Recorded from: Rousse and Gupta 2013
Host information: Unknown, but Glyptapanteles spp. are endoparasitoids of Lepidoptera larvae (Rousse and Gupta 2013)

Glyptapanteles ficus (Granger, 1949)
Recorded from: Rousse and Gupta 2013
Host information: Naroma signifera (Lepidoptera, Lymantriidae) (Rousse and Gupta 2013)

Glyptapanteles subandinus (Blanchard, 1947)
Recorded from: Rousse and Gupta 2013
Host information: Achyra bifidalis (Lepidoptera, Pyralidae), Phthorimaea opercullela and Scrobipalpula absoluta (Lepidoptera, Gelechiidae) on Solanum tuberosum (Solanaceae) (Rousse and Gupta 2013)

Genus: Microplitis Förster, 1863
Microplitis subsulcatus Granger, 1949
Recorded from: Rousse and Gupta 2013
Host information: Unknown, but Microplitis spp. are endoparasitoids of Lepidoptera larvae (Rousse and Gupta 2013)
Genus: **Nyereria** Mason, 1981
*Nyereria ganges* Rousse & Gupta, 2013  
- Recorded from: Rousse and Gupta 2013  
- Host information: Unknown, but *Nyereria* spp. are endoparasitoids of macrolepidoptera larvae (Rousse and Gupta 2013)

*Nyereria mayurus* Rousse & Gupta, 2013  
- Recorded from: Rousse and Gupta 2013  
- Host information: Unknown, but *Nyereria* spp. are endoparasitoids of macrolepidoptera larvae (Rousse and Gupta 2013)

Genus: **Parapanteles** Ashmead, 1900
*Parapanteles covino* Rousse & Gupta, 2013  
- Recorded from: Rousse and Gupta 2013  
- Host information: Unknown, but *Parapanteles* spp. are endoparasitoids in 7 families of Lepidoptera including: Arctiidae, Noctuidae, Notodontidae, Elachistidae, Saturniidae, Geometridae, Gelechiidae (Valerio et al. 2009)

*Parapanteles darignac* Rousse & Gupta, 2013  
- Recorded from: Rousse and Gupta 2013  
- Host information: Unknown, but *Parapanteles* spp. are endoparasitoids in 7 families of Lepidoptera including: Arctiidae, Noctuidae, Notodontidae, Elachistidae, Saturniidae, Geometridae, Gelechiidae (Valerio et al. 2009)

Genus: **Venanides** Mason, 1981
*Venanides curticornis* (Granger, 1949)  
- Recorded from: Rousse and Gupta 2013  
- Host information: Unknown, but *Venanides* spp. are endoparasitoids of microlepidoptera larvae (Rousse and Gupta 2013)

Genus: **Wilkinsonellus** Mason, 1981
*Wilkinsonellus narangahus* Rousse & Gupta, 2013  
- Recorded from: Rousse and Gupta 2013  
- Host information: Unknown

Subfamily: **Gnamptodontinae**

Genus: **Gnamptodon** Haliday, 1833
*Gnamptodon legorskyi* Fischer, 2014  
- Recorded from: Fischer 2014  
- Host information: Unknown, but *Gnamptodon* spp. are parasitoids of Nepticulidae.
Subfamily: Opiinae

**Genus: Diachasmimorpha** Viereck, 1913  
*Diachasmimorpha fullawayi* (Silvestri, 1913)  
Recorded from: Quilici et al. 2003  
Host information: *Ceratitis capitata* (Diptera, Tephritidae) (Quilici et al. 2003, Fischer and Madl 2008)

*Diachasmimorpha tryoni* (Cameron, 1911)  
Recorded from: Hurtrel et al. 1999  
Host information: At least 6 species of Tephritidae (Diptera) (Ramadan et al. 1994, Wharton and Gilstrap 1983)

**Genus: Fopius** Wharton, 1987  
*Fopius arisanus* (Sonan, 1932)  
Recorded from: Quilici et al. 2003  
Host information: *Bactrocera zonata, Ceratitis capitata, Ceratitis catoirii, Ceratitis rosa, Dacus ciliatus, Dacus demmerezi, Neoceratitis cyanescens* (Diptera, Tephritidae) (Fischer and Madl 2008)

**Genus: Opius** Wesmael, 1835  
*Opius dissitus* Muesebeck, 1963  
Recorded from: Vayssière et al. 2001  
Host information: *Liriomyza* spp. (Diptera, Agromyzidae) (Stegmaier 1972, Schuster and Wharton 1993, Vayssière et al. 2001)

*Opius (Utetes) coriacitergum* Fischer, 2014  
Recorded from: Fischer 2014  
Host information: Unknown, but Opiinae are parasitoids of Cyclorrhapha (Diptera) larvae (Ameri et al. 2014)

*Opius (Tolbia) karlmayi* Fischer, 2014  
Recorded from: Fischer 2014  
Host information: Unknown, but Opiinae are parasitoids of Cyclorrhapha (Diptera) larvae (Ameri et al. 2014)

*Opius (Utetes) lareunionensis* Fischer, 2014  
Recorded from: Fischer 2014  
Host information: Unknown, but Opiinae are parasitoids of Cyclorrhapha (Diptera) larvae (Ameri et al. 2014)
*Opius* (*Gastrosema*) *laticrenis* Fischer, 2014
Recorded from: Fischer 2014
Host information: Unknown, but Opiinae are parasitoids of Cyclorrhapha (Diptera) larvae (Ameri et al. 2014)

*Opius* (*Opius*) *raoiformis* Fischer, 2014
Recorded from: Fischer 2014
Host information: Unknown, but Opiinae are parasitoids of Cyclorrhapha (Diptera) larvae (Ameri et al. 2014)

*Opius* (*Utetes*) *semipilosus* Fischer, 2014
Recorded from: Fischer 2014
Host information: Unknown, but Opiinae are parasitoids of Cyclorrhapha (Diptera) larvae (Ameri et al. 2014)

*Opius* (*Gastrosema*) *waterloti* Granger, 1949
Recorded from: Fischer and Madl 2008
Host information: Unknown, but Opiinae are parasitoids of Cyclorrhapha (Diptera) larvae (Ameri et al. 2014)

**Genus:** *Psyttalia* Walker, 1860

*Psyttalia* *cosyrae* (Wilkinson, 1927)
Recorded from: Doubtful record. Fischer (1987) recorded it from Réunion because “Réunion, Mayotte” was indicated on the label.
Host information: *Dacus* sp. (Diptera, Tephritidae) (Fischer and Madl 2008)

*Psyttalia* *distinguenda* (Granger, 1949)
Recorded from: Wharton et al. 1999
Host information: *Ceratitis capitata* (Diptera, Tephritidae) (Quilici et al. 2003, Fischer and Madl 2008)

*Psyttalia* *fletcheri* (Sylvestri, 1916)
Recorded from: Hurtrel et al. 1999
Host information: *Bactrocera cucurbitae, Ceratitis capitata* and *Dacus ciliatus* (Diptera, Tephritidae) (Fischer and Madl 2008)

*Psyttalia* *insignipennis* (Granger, 1949)
Recorded from: Wharton et al. 1999
Host information: *Ceratitis capitata, Ceratitis catoirii* and *Neoceratitis cyanescens* (Diptera, Tephritidae) (Quilici et al. 2003, Fischer and Madl 2008)
Psyttalia phaeostigma (Wilkinson, 1927)
  Recorded from: Fischer 1987
  Host information: Dacus ciliatus and Dacus demmerezi (Diptera, Tephritidae) (Fischer and Madl 2008)

Psyttalia sanctamarina (Fischer, 1980)
  Recorded from: Fischer 1980
  Host information: Spathulina aroleuca (Diptera, Tephritidae) (Fischer and Madl 2008)

Psyttalia subsulcata (Granger, 1949)
  Recorded from: Fischer and Madl 2008
  Host information: Spathulina aroleuca (Diptera, Tephritidae) (Fischer and Madl 2008)

Family: ICHNEUMONIDAE
Subfamily: Banchinae

Genus: Himertosoma Schimedeknecht, 1900
Himertosoma bebourensis (Benoit, 1957)
  Recorded from: Benoit 1957
  Host information: Unknown, but Banchinae are parasitoid of Lepidoptera larvae (Rousse and Villemant 2012)

Himertosoma striata (Seyrig, 1932)
  Recorded from: Rousse and Villemant 2012
  Host information: Unknown, but Banchinae are parasitoid of Lepidoptera larvae (Rousse and Villemant 2012)

Subfamily: Campopleginae

Genus: Campoplex Gravenhorst, 1829
Campoplex techer Rousse & Villemant, 2012
  Recorded from: Rousse and Villemant 2012
  Host information: Unknown, but Campopleginae are generally parasitoids of Lepidoptera and Symphyta but they sometimes parasitize Coleoptera and Neuroptera (Rousse and Villemant 2012)

Genus: Diadegma Förster, 1869
Diadegma insulare (Cresson, 1865)
  Recorded from: Rousse and Villemant 2012
Host information: *Plutella xylostella, Plutella opercula, Plutella omissa, Plutella armoraciae* (Lepidoptera, Plutellidae) and *Hellula undalis* (Lepidoptera, Pyralidae) (Sourakov and Mitchell 2000, Rousse and Villemant 2012)

*Diadegma mollipla* (Holmgren, 1868)
  Recorded from: Vaysières et al. 2001
  Host information: *Plutella xylostella*, (Lepidoptera, Plutellidae) and *Phthorimaea operculella* (Lepidoptera, Gelechiidae) (Rousse and Villemant 2012)

**Genus: Dusona** Cameron, 1901
*Dusona douraguia* Rousse & Villemant, 2012
  Recorded from: Rousse and Villemant 2012
  Host information: Unknown, but Campopleginae are generally parasitoids of Lepidoptera and Symphyta but they sometimes parasitize Coleoptera and Neuroptera (Rousse and Villemant 2012)

*Dusona pauliani* (Benoit, 1957)
  Recorded from: Rousse and Villemant 2012
  Host information: Unknown, but Campopleginae are generally parasitoids of Lepidoptera and Symphyta but they sometimes parasitize Coleoptera and Neuroptera (Rousse and Villemant 2012)

**Genus: Enytus** Cameron, 1905
*Enytus huet* Rousse & Villemant, 2012
  Recorded from: Rousse and Villemant 2012
  Host information: Unknown, but Campopleginae are generally parasitoids of Lepidoptera and Symphyta but they sometimes parasitize Coleoptera and Neuroptera (Rousse and Villemant 2012)

**Genus: Eriborus** Förster, 1869
*Eriborus cadjee* Rousse & Villemant, 2012
  Recorded from: Rousse and Villemant 2012
  Host information: Unknown, but Campopleginae are generally parasitoids of Lepidoptera and Symphyta but they sometimes parasitize Coleoptera and Neuroptera (Rousse and Villemant 2012)

*Eriborus pallipes* (Brullé, 1846)
  Recorded from: Rousse and Villemant 2012
  Host information: Unknown, but Campopleginae are generally parasitoids of Lepidoptera and Symphyta but they sometimes parasitize Coleoptera and Neuroptera (Rousse and Villemant 2012)
Genus: *Hyposoter* Förster 1869
*Hyposoter reunionis* (Benoit, 1957)
   Recorded from: Benoit 1957
   Host information: Unknown, but Campopleginae are generally parasitoids of Lepidoptera and Symphyta but they sometimes parasitize Coleoptera and Neuroptera (Rousse and Villemant 2012)

Genus: *Venturia* Schrottky, 1902
*Venturia canescens* (Gravenhorst, 1829)
   Recorded from: Rousse and Villemant 2012
   Host information: 23 species belonging to the families Pyralidae, Noctuidae, Tortricidae, Gelechiidae, Tineidae and Yponomeutidae (Lepidoptera) (Rousse and Villemant 2012)

Genus: *Xanthocampoplex* Morley, 1913
*Xanthocampoplex huberti* Rousse & Villemant, 2012
   Recorded from: Rousse and Villemant 2012
   Host information: Unknown, but Campopleginae are generally parasitoids of Lepidoptera and Symphyta but they sometimes parasitize Coleoptera and Neuroptera (Rousse and Villemant 2012)

Subfamily: Cremastinae

Genus: *Pristomerus* Curtis, 1836
*Pristomerus rivier* Rousse & Villemant, 2012
   Recorded from: Rousse and Villemant 2012
   Host information: *Plutella xylostella* (Plutellidae) (Rousse and Villemant 2012) and *Prophantis smaragdina* (Chartier et al. 2013, Identified by Rousse 2012 unpublished data)

Genus: *Temelucha* Meyrick, 1909
*Temelucha basiornata* (Cameron, 1911)
   Recorded from: Rousse and Villemant 2012
   Host information: Unidentified rice stem borer, probably *Diopsis* sp. (Diptera, Diopsidae) (Zwart 1998)

*Temelucha labusi* Rousse & Villemant, 2012
   Recorded from: Rousse and Villemant 2012
   Host information: Unknown, but Cremastinae are endoparasitoids of Lepidoptera or Coleoptera larvae in leaf folds, tunnels, buds, galls or other concealed situations (Rousse and Villemant 2012)
**Temelucha minuta** (Morley, 1912)
Recorded from: Rousse and Villemant 2012
Host information: *Grapholita critica* (Lepidoptera, Tortricidae), *Etiella behrii* (Lepidoptera, Pyralidae), *Bilobata subsecivella* (Lepidoptera, Gelechiidae) on peanut, *Phthorimaea operculella* (Lepidoptera, Gelechiidae) on potato (Gauld 1980, Rousse and Villemant 2012)

**Temelucha pestifer** (Morley, 1913)
Recorded from: Benoit 1957
Host information: An unidentified stem borer on *Oryza sativa* (Poaceae) field (Rousse and Villemant 2012)

**Temelucha talibarti** Rousse, Villemant & Seyrig, 2011
Recorded from: Rousse and Villemant 2012
Host information: Unknown, but Cremastinae are endoparasitoids of Lepidoptera or Coleoptera larvae in leave folds, tunnels, buds, galls or other concealed situations (Rousse and Villemant 2012)

**Temelucha sp. 1**
Recorded from: Rousse and Villemant 2012
Host information: Unknown, but Cremastinae are endoparasitoids of Lepidoptera or Coleoptera larvae in leave folds, tunnels, buds, galls or other concealed situations (Rousse and Villemant 2012)

**Temelucha sp. 2**
Recorded from: Rousse and Villemant 2012
Host information: Unknown, but Cremastinae are endoparasitoids of Lepidoptera or Coleoptera larvae in leave folds, tunnels, buds, galls or other concealed situations (Rousse and Villemant 2012)

**Genus: Trathala** Cameron, 1899

*Trathala annulicornis* (Tosquinet, 1896)
Recorded from: Rousse and Villemant 2012
Host information: Unknown, but Cremastinae are endoparasitoids of Lepidoptera or Coleoptera larvae in leave folds, tunnels, buds, galls or other concealed situations (Rousse and Villemant 2012)

*Trathala flavoorbitalis* (Cameron, 1907)
Recorded from: Rousse and Villemant 2012
Host information: Seventy-eight host records, all Lepidoptera (Gelechioidea, Noctuoidea, Pyraloidea, Tineoidea and Tortricoidea) (Rousse and Villemant 2012)
Subfamily: Cryptinae

Genus: **Acrolyta** Förster, 1868

*Acrolyta dindar* Rousse & Villemant, 2012

Recorded from: Rousse and Villemant 2012

Host information: Unknown, but Cryptinae generally are ectoparasitoids of Holo-
metabola pupae or prepupae. Some species are endoparasitoids, and some species
parasitize the egg masses of Araneae and Pseudoscorpionida. (Rousse and Villemant 2012)

Genus: **Diatora** Förster, 1868

*Diatora albiscapus* (Seyrig, 1952)

Recorded from: Rousse and Villemant 2012

Host information: *Apanteles* sp. (Hymenoptera, Braconidae) ex *Napta serratileine*
(Lepidoptera, Lasiocampidae) and *Nephele densoi* (Lepidoptera, Sphingidae)
on mimosa (*Mimosa* sp.) (Seyrig 1952, Rousse and Villemant 2012)

Genus: **Paraphylax** Förster, 1869

*Paraphylax mussar* Rousse & Villemant, 2012

Recorded from: Rousse and Villemant 2012

Host information: Unknown, but *Paraphylax* spp. are parasitoids of *Heliothis armigera*
(Lepidoptera, Noctuidae) (Choudhary et al. 1983)

*Paraphylax transversatoria* (Seyrig, 1952)

Recorded from: Rousse and Villemant 2012

Host information: Unknown, but *Paraphylax* spp. are parasitoids of *Heliothis armigera*
(Lepidoptera, Noctuidae) (Choudhary et al. 1983)

Genus: **Phygadeuon** Gravenhorst, 1829

*Phygadeuon nativel* Rousse & Villemant, 2012

Recorded from: Rousse and Villemant 2012

Host information: Unknown, but *Phygadeuon* spp. are parasitoids of *Musca domestica*
(Diptera, Muscidae) and *Rhagoletis cerasi* (Diptera, Tephritidae) (Rousse and Villemant 2012)

Subfamily: Diplazontinae

Genus: **Diplazon** Nees, 1918

*Diplazon laetatorius* (Fabricius, 1781)

Recorded from: de Saussure 1892
Host information: Parasitoid of a wide range of Diptera, especially aphidophagous syrphid flies (more than 50 host species reported in Syrphidae) (Rousse and Villemant 2012)

**Subfamily: Ichneumoninae**

**Genus: Crytea** Cameron, 1906  
*Crytea albitrochanterata* (Heinrich, 1938)  
Recorded from: Rousse and Villemant 2012  
Host information: Unknown, but Ichneumoninae are endoparasitoids of Lepidoptera larvae or pupae (Rousse and Villemant 2012)

**Genus: Ichneumon** Fabricius, 1798  
*Ichneumon unicinctus* Brullé, 1846  
Recorded from: Rousse and Villemant 2012  
Host information: *Charadrina* sp., *Sciomesia biluma*, *Sesamia calamistis* (Lepidoptera, Noctuidae, Amphipyridae) (Zwart 1998)

**Subfamily: Mesochorinae**

**Genus: Mesochorus** Gravenhorst, 1829  
*Mesochorus cariniferus* Benoit, 1955  
Recorded from: Rousse and Villemant 2012  
Host information: Unknown, but Mesochorinae are hyperparasitoids of Ichneumonoidea (Hymenoptera) or Tachinidae (Diptera) (Rousse and Villemant 2012)

*Mesochorus* sp.  
Recorded from: Rousse and Villemant 2012  
Host information: Unknown, but Mesochorinae are hyperparasitoids of Ichneumonoidea (Hymenoptera) or Tachinidae (Diptera) (Rousse and Villemant 2012)

**Subfamily: Metopiinae**

**Genus: Triclistus** Förster, 1869  
*Triclistus aitkeni* (Cameron, 1897)  
Recorded from: Rousse and Villemant 2012  
Host information: *Cnaphalocrocis medinalis* (Guenée) (Lepidoptera: Pyralidae) on rice (*Oryza sativa*) (Rousse and Villemant 2012)
Subfamily: Ophioninae

Genus: *Enicospilus* Stephens, 1835

*Enicospilus angustatus* (Brullé, 1846)
- Recorded from: Bordage 1914
- Host information: Unknown, but *Enicospilus* spp. are nocturnal endoparasitoids of Lepidoptera (Rousse and Villemant 2012)

*Enicospilus betanimenus* (Saussure, 1892)
- Recorded from: Rousse and Villemant 2012
- Host information: *Achaea faber*, *Dysgonia pudica*, *Dysgonia triplocyma*, *Heliophisma klugii*, and *Tatorinia rufipennis* (Lepidoptera, Noctuidae) (Rousse and Villemant 2012)

*Enicospilus dolosus* (Tosquinet, 1896)
- Recorded from: Rousse and Villemant 2012
- Host information: *Anomis leona* (Lepidoptera, Noctuidae) and *Haritalodes derogate* (Lepidoptera, Crambidae) (Rousse and Villemant 2012)

*Enicospilus dubius* (Tosquinet, 1896)
- Recorded from: Rousse and Villemant 2012
- Host information: *Anomis leona*, *Chrysodeixis chalcites* (Lepidoptera, Noctuidae) and *Plusia* sp. (Lepidoptera, Plusiidae) (Gauld and Mitchell 1978)

*Eniscopilus grandiflavus* Townes, 1973
- Recorded from: Rousse and Villemant 2012
- Host information: Unknown, but *Enicospilus* spp. are nocturnal endoparasitoids of Lepidoptera (Rousse and Villemant 2012)

*Enicospilus helvolus* Gauld & Mitchell, 1978
- Recorded from: Rousse and Villemant 2012
- Host information: Unknown, but *Enicospilus* spp. are nocturnal endoparasitoids of Lepidoptera (Rousse and Villemant 2012)

*Enicospilus hova* Gauld & Mitchell, 1978
- Recorded from: Gauld and Mitchell 1978
- Host information: Unknown, but *Enicospilus* spp. are nocturnal endoparasitoids of Lepidoptera (Rousse and Villemant 2012)

*Enicospilus mauritii* (de Saussure, 1892)
- Recorded from: Bordage 1914
Host information: *Chilo sacchariphagus* (Lepidoptera, Pyralidae), *Leucania loreyi* (Lepidoptera, Noctuidae, Hadeninae), *Mythimna loreyi* (Lepidoptera, Noctuidae), *Olethreutes schistaceanus*, *Tetramoera schistacea* (Lepidoptera, Tortricidae, Olethreutinae), *Procerata sacchariphaga*, *Procerata venostata* (Lepidoptera, Brachodidae), *Sesamia calamistis*, *Sesamia inferens*, *Sesamia nonagrioides*, *Speia vuteria* (Lepidoptera, Noctuidae, Amphipyrinae) (Rousse and Villemant 2012)

*Enicospilus rufus* (Brullé, 1846)
Recorded from: Benoit 1957
Host information: *Ctenoplusia limbirena*, *Trigonodes hyppasia* (Lepidoptera, Noctuidae) (Rousse and Villemant 2012).

*Enicospilus ruscus* Gauld & Mitchell, 1978
Recorded from: Rousse and Villemant 2012
Host information: *Mythimna loreyi*, *Sesamia botanephaga*, *Sesamia veturia*, (Lepidoptera, Noctuidae) (Rousse and Villemant 2012)

*Enicospilus sesamiae* Delobel, 1974
Recorded from: Zwart 1998
Host information: *Procerata venosata* (Lepidoptera, Brachodidae) (Gauld and Mitchell 1978), *Busseola fusca*, *Sesamia calamistis* and *Sesamia vuteria* (Lepidoptera, Noctuidae) (Zwart 1998)

*Enicospilus transvaalensis* Cameron, 1911
Recorded from: Rousse and Villemant 2012
Host information: *Mythimna* sp. and *Sesamia calamistis* (Lepidoptera, Noctuidae) (Rousse and Villemant 2012)

*Enicospilus vitry* Rousse & Villemant, 2012
Recorded from: Rousse and Villemant 2012
Host information: Unknown, but *Enicospilus* spp. are nocturnal endoparasitoids of Lepidoptera (Rousse and Villemant 2012)

**Subfamily: Orthocentrinae**

**Genus: Megastylus** Schiodte, 1838

*Megastylus vagabundus* Seyrig, 1934
Recorded from: Rousse and Villemant 2012
Host information: Unknown, but Orthocentrinae are endoparasitoids of Mycetophilidae and Sciaridae (Diptera) (Rousse and Villemant 2012)
Genus: *Orthocentrus* Gravenhorst, 1829
*Orthocentrus urbanus* Seyrig, 1934
  Recorded from: Rousse and Villemant 2012
  Host information: Unknown, but Orthocentrinae are endoparasitoids of Mycetophilidae and Sciaridae (Diptera) (Rousse and Villemant 2012)

Genus: *Pantisarthrus* Förster, 1871
*Pantisarthrus isolatus* (Benoit, 1957)
  Recorded from: Benoit 1957
  Host information: Unknown, but Orthocentrinae are endoparasitoids of Mycetophilidae and Sciaridae (Diptera) (Rousse and Villemant 2012)

Genus: *Proclitus* Förster, 1869
*Proclitus ligatus* (Seyrig, 1934)
  Recorded from: Rousse and Villemant 2012
  Host information: Unknown, but Orthocentrinae are endoparasitoids of Mycetophilidae and Sciaridae (Diptera) (Rousse and Villemant 2012)

Genus: *Stenomacrus* Förster, 1869
*Stenomacrus payet* Rousse & Villemant, 2012
  Recorded from: Rousse and Villemant 2012
  Host information: Unknown, but Orthocentrinae are endoparasitoids of Mycetophilidae and Sciaridae (Diptera) (Rousse and Villemant 2012)

Genus: *Tariqia* Rousse and Villemant, 2012
*Tariqia stellaris* Rousse & Villemant, 2012
  Recorded from: Rousse and Villemant 2012
  Host information: Unknown, but Orthocentrinae are endoparasitoids of Mycetophilidae and Sciaridae (Diptera) (Rousse and Villemant 2012)

Subfamily: Pimplinae

Genus: *Echthromorpha* Holmgren, 1868
*Echthromorpha spinator* (Fabricius, 1798)
  Recorded from: Rousse and Villemant 2012
  Host information: *Nagia linteola* (Lepidoptera, Noctuidae) (Rousse and Villemant 2012)

Genus: *Itoplectis* (Förster, 1869)
*Itoplectis albipes* Seyrig 1932
  Recorded from: Rousse and Villemant 2012
  Host information: Unknown, but morphological studies indicate that *Itoplectis albipes* uses echolocation when foraging for hosts (Broad and Quicke 2000)
Genus: **Xanthophenax** Saussure, 1892

*Xanthophenax defector* Seyrig, 1932
   - Recorded from: Rousse and Villemant 2012
   - Host information: Unknown, but Pimplinae are generally ectoparasitoids of pupae and larvae of Holometabola. Some species parasitize adult and egg sacs of Araneae (Rousse and Villemant 2012)

*Xanthophenax pacificator* Seyrig, 1932
   - Recorded from: Rousse and Villemant 2012
   - Host information: Unknown, but Pimplinae are generally ectoparasitoids of pupae and larvae of Holometabola. Some species parasitize adult and egg sacs of Araneae (Rousse and Villemant 2012)

*Xanthophenax xanthomelas* (Brullé, 1846)
   - Recorded from: Rousse and Villemant 2012
   - Host information: Unknown, but Pimplinae are generally ectoparasitoids of pupae and larvae of Holometabola. Some species parasitize adult and egg sacs of Araneae (Rousse and Villemant 2012)

Genus: **Xanthopimpla** de Saussure, 1892

*Xanthopimpla stemmator* (Thunberg, 1824)
   - Recorded from: Kfir et al. 2002
   - Host information: More than 30 species of Pyralidae (Lepidoptera) (Rousse and Villemant 2012)

Genus: **Zatypota** Förster, 1869

*Zatypota inexpectata* (Seyrig, 1932)
   - Recorded from: Rousse and Villemant 2012
   - Host information: Unknown, but Pimplinae are generally ectoparasitoids of pupae and larvae of Holometabola. Some species parasitize adult and egg sacs of Araneae (Rousse and Villemant 2012)

Subfamily: Tersilochinae

Genus: **Aneuclis** Förster, 1869

*Aneuclis larga* Khalaim, 2009
   - Recorded from: Rousse and Villemant 2012
   - Host information: Unknown, but most Tersilochinae are endoparasitoids of Coleoptera (generally Curculionidae and Chrysomelidae). Some species parasitize Symphyta (Hymenoptera) (Rousse and Villemant 2012)
Genus: *Diaparsis* Förster, 1869

*Diaparsis ramassamy* Rousse & Villemant, 2012  
Recorded from: Rousse and Villemant 2012  
Host information: Unknown, but most Tersilochinae are endoparasitoids of Coleoptera (generally Curculionidae and Chrysomelidae). Some species parasitize Symphyta (Hymenoptera) (Rousse and Villemant 2012)

Subfamily: Tryphoninae

Genus: *Netelia* Gray, 1860

*Netelia melanopus* (Brullé, 1846)  
Recorded from: de Saussure 1892  
Host information: *Mythimna loreyi, Sesamia calamistis, Sesamia inferens* (Lepidoptera, Noctuidae), *Olethreutes schistaceanus* (Lepidoptera, Tortricidae) and *Chilo sacchariphagus* (Lepidoptera, Pyralidae) (Rousse and Villemant 2012)

*Netelia* sp.  
Recorded from: Rousse and Villemant 2012  
Host information: Unknown, but *Netelia* spp. are ectoparasitoids of Lepidoptera larvae (Rousse and Villemant 2012)

Table 1. List of Ichneumonoidea recorded from Reunion Island.

| Family       | Subfamily | Genus / Species                  | General host information | Recorded from |
|--------------|-----------|----------------------------------|--------------------------|----------------|
| BRACONIDAE   | Agathidinae | *Biroia costata* (Brullé, 1846)  | Unknown                  | Granger 1949   |
|              |           | *Camptothlipsis curticornis* Granger, 1949 | *Nephoterix beharella*   | Quilici et al. 2003 |
|              |           | *Coccydium lutea* (Brullé, 1846) | *Condica conducta* *Mythimna curvula* *Mythimna loreyi* | Brullé 1846 |
|              | Alysiinae  | *Adelphenaldis grimmorum* Fischer, 2014 | Unknown                  | Fischer 2014   |
|              |           | *Adelphenaldis nanocorpus* Fischer, 2014 | Unknown                  | Fischer 2014   |
|              |           | *Aphaereta* sp.                  | Diptera Cyclorrhapha     | Quilici et al. 2003 |
|              |           | *Asobara diadegmae* Fischer, 2014 | *Diadegma* sp. (Ichneumonidae) | Fischer 2014   |
|              |           | *Cratopila sinenotaulis* Fischer, 2014 | Unknown                  | Fischer 2014   |
|              |           | *Dacnusa sibirica* Telenga, 1934 | Agromyzidae              | Vayssières et al. 2001 |
|              |           | *Dacnusa* sp.                    | Agromyzidae              | Vayssières et al. 2001 |
| Family       | Subfamily | Genus / Species                                      | General host information                      | Recorded from |
|-------------|-----------|------------------------------------------------------|-----------------------------------------------|---------------|
|            | Alysiinae | *Dinotrema cardidiapex* Fischer, 2014                | Unknown                                      | Fischer 2014  |
|            |           | *Synaldis dugainensis* Fischer, 2014                 | Unknown                                      | Fischer 2014  |
|            |           | *Synaldis robusticeps* Fischer, 2014                 | Unknown                                      | Fischer 2014  |
|            | Aphidiinae| *Aphidius camerunensis* Mackauer, 1966               | *Sitobion*                                   | Stary et al. 1994 |
|            |           | *Aphidius colemani* Viereck, 1912                    | Aphididae                                    | Vayssières et al. 2001 |
|            |           | *Aphidius roae* Holiday, 1833                        | *Macrosiphum roae* *Sitobion fragariae*       | Stary et al. 1977 |
|            |           | *Aphidius seyrigi* Granger 1949                      | Aphididae                                    | Benoit 1957   |
|            |           | *Diacretiella rapae* (McIntosh, 1855)                | Aphididae                                    | Quilici et al. 1988 |
|            |           | *Praon* sp.                                          | *Aphis* sp.                                  | Vayssières et al. 2001 |
|            | Braconinae| *Bracon* (Habrobracon) hebetor (Say, 1836)          | Crambidae, Lycaenidae, Pyralidae (Lep.)      | Quilici et al. 2003 |
|            |           | *Iphiaulax didymus* (Brullé, 1846)                   | Unknown                                      | Brullé 1846   |
| Charmontinae|           | *Charmon ramagei* Rousse, 2013                       | Unknown                                      | Rousse 2013   |
|            | Cheloniinae| *Chelonus (Microchelonus) curvimaculatus* Cameron, 1906| *Pectinophora gossypiella, Trichoplusia ni* | Quilici et al. 2003 |
|            |           | *Chelonus (Microchelonus) matilei* Braet & Rousse, 2012| Unknown                                     | Braet et al. 2012 |
|            |           | *Chelonus (Chelonus) mayi* Braet & Rousse, 2012      | Unknown                                      | Braet et al. 2012 |
|            |           | *Chelonus (Microchelonus) merdicus* Rousse & Braet, 2012| Unknown                                     | Braet et al. 2012 |
|            |           | *Chelonus* sp.                                       | Unknown                                      | Quilici et al. 2003 |
|            | Doryctinae| *Ipodoryctes* sp.                                    | Coleoptera                                   | Zaldivar-Riveron et al. 2008 |
|            |           | *Rinamba opacicollis* Cameron, 1912                  | Coleoptera                                   | Braet 2001    |
|            | Euphorinae| *Centitites calapile* Rousse & Braet, 2012           | Unknown                                      | Rousse and Braet 2012 |
|            |           | *Chrysopophthorus* sp.                               | Chrysopidae                                  | Semeria and Quilici 1986 |
|            |           | *Cosmophorus merdiculatus* Rousse & Braet, 2012      | Scolytinae                                   | Rousse and Braet 2012 |
|            |           | *Leiophron sanahe* Rousse & Braet, 2012              | Miridae or Psocoptera                        | Rousse and Braet 2012 |
|            |           | *Leiophron yaeli* Rousse & Braet, 2012               | Miridae or Psocoptera                        | Rousse and Braet 2012 |
|            |           | *Meteorus anthracnemis* de Saeger, 1946              | Lepidoptera                                  | Rousse and Braet 2012 |
|            |           | *Meteorus comonile* Rousse & Braet, 2012             | Lepidoptera                                  | Rousse and Braet 2012 |
|            |           | *Meteorus pulchricornis* Rousse & Braet, 2012         | Lepidoptera                                  | Rousse and Braet 2012 |
| Family          | Subfamily         | Genus / Species                                      | General host information | Recorded from               |
|-----------------|-------------------|------------------------------------------------------|--------------------------|------------------------------|
| Euphorinae      |                   | *Syntres massale* Rousset & Braet, 2012              | Hymenoptera              | Rousse and Braet 2012        |
| Gnamptodontinae |                   | *Gnamptodon leviskyi* Fischer, 2014                  | Nepticulidae             | Fischer 2014                 |
|                 |                   | *Apanteles aff. acutissimus* Granger, 1949           | *Diaphana indica*        | Vayssières et al. 2001       |
|                 |                   | *Apanteles bordagei* Giard, 1902                     | *Crobyphora daricella*   | Rousse and Gupta 2013        |
|                 |                   | *Apanteles fontanis de Saege, 1944                   | Lepidoptera              | Rousse and Gupta 2013        |
|                 |                   | *Apanteles galleria* Wilkinson, 1932                 | Lepidoptera, Pyralidae    | Rousse and Gupta 2013        |
|                 |                   | *Apanteles minatchy* Rousset & Gupta, 2013          | Lepidoptera              | Quili et al. 2003            |
|                 |                   | *Apanteles nigromoratus* Granger, 1949               | Lepidoptera, Cheurotidae | Rousse and Gupta 2013        |
|                 | Microgastrinae    | *Apanteles phasmina* Rousset, 2013                   | Lepidoptera              | Rousse and Gupta 2013        |
|                 |                   | *Apanteles romei* Rousset, 2013                      | *Diaphina* sp.           | Rousse and Gupta 2013        |
|                 |                   | *Cotesia flavipes* Cameron, 1891                     | Lepidoptera              | Kfir et al. 2002             |
|                 |                   | *Cotesia plutellae* (Kurdumov, 1912)                 | Lepidoptera              | Rousse and Gupta 2013        |
|                 |                   | *Cotesia ruficrus* (Haliday, 1834)                   | Lepidoptera              | Rousse and Gupta 2013        |
|                 |                   | *Cotesia sesamiae* (Cameron, 1906)                   | Lepidoptera, Noctulidae, | Van Achterberg and Polaszek 1996 |
|                 |                   | *Cotesia xavieri* Rousset, 2013                      | Lepidoptera              | Rousse and Gupta 2013        |
|                 |                   | *Diolcogaster australis* (Wilkinson, 1929)           | Lepidoptera              | Aubert 1966                  |
|                 |                   | *Diolcogaster curvicornis* (Granger, 1949)           | Lepidoptera              | Rousse and Gupta 2013        |
|                 |                   | *Distatrix belliger* (Wilkinson, 1929)               | Lepidoptera              | Rousse and Gupta 2013        |
|                 |                   | *Distatrix yunae* Rousset & Gupta, 2013              | Lepidoptera              | Rousse and Gupta 2013        |
|                 |                   | *Dodogaster grangeri* Rousset, 2013                  | Lepidoptera              | Rousse and Gupta 2013        |
|                 |                   | *Dolichogenidea asoka* Rousset, 2013                 | Lepidoptera              | Rousse and Gupta 2013        |
|                 |                   | *Dolichogenidea broadi* Rousset, 2013                | Lepidoptera              | Rousse and Gupta 2013        |
|                 |                   | *Dolichogenidea lumba* Rousset & Gupta, 2013         | Lepidoptera              | Rousse and Gupta 2013        |
|                 |                   | *Dolichogenidea uru* Rousset & Gupta, 2013           | Lepidoptera              | Rousse and Gupta 2013        |
| Family          | Subfamily | Genus / Species | General host information | Recorded from |
|-----------------|-----------|-----------------|--------------------------|---------------|
| BRACONIDAE      | Microgastrinae | *Dolichogenidea villemantae* Rousse, 2013 | Lepidoptera | Rousse and Gupta 2013 |
|                 | Microgastrinae | *Exoryza safranum* Rousse & Gupta, 2013 | Lepidoptera | Rousse and Gupta 2013 |
|                 | Microgastrinae | *Glyptapanteles antisabensii* (Granger, 1949) | Lepidoptera | Rousse and Gupta 2013 |
|                 | Microgastrinae | *Glyptapanteles chidera* Rousse & Gupta, 2013 | Lepidoptera | Rousse and Gupta 2013 |
|                 | Microgastrinae | *Glyptapanteles ficus* (Granger, 1949) | *Naroma signifera* | Rousse and Gupta 2013 |
|                 | Microgastrinae | *Glyptapanteles subandinus* (Blanchard, 1947) | *Achyra bifidalis Phthorimaea operculella* *Scrobipalpula absoluta* | Rousse and Gupta 2013 |
|                 | Microgastrinae | *Microplitis subulatus* Granger, 1949 | Lepidoptera | Rousse and Gupta 2013 |
|                 | Microgastrinae | *Nyereria ganges* Rousse & Gupta, 2013 | Lepidoptera | Rousse and Gupta 2013 |
|                 | Microgastrinae | *Nyereria mayurus* Rousse & Gupta, 2013 | Lepidoptera | Rousse and Gupta 2013 |
|                 | Microgastrinae | *Parapanteles covino* Rousse & Gupta, 2013 | Lepidoptera | Rousse and Gupta 2013 |
|                 | Microgastrinae | *Parapanteles darignac* Rousse & Gupta, 2013 | Lepidoptera | Rousse and Gupta 2013 |
|                 | Microgastrinae | *Venanides curticornis* (Granger, 1949) | Lepidoptera | Rousse and Gupta 2013 |
|                 | Microgastrinae | *Wilkinsonellus narangahus* Rousse & Gupta, 2013 | Unknown | Rousse and Gupta 2013 |
| Opiinae         | Opiinae | *Diachasmimorpha fullawayi* (Silvestri, 1913) | *Ceratitis capitata* | Quilici et al. 2003 |
| Opiinae         | Opiinae | *Diachasmimorpha tryoni* (Cameron, 1911) | Diptera, Tephritidae | Hurtrel et al. 1999 |
| Opiinae         | Opiinae | *Fopius arisanus* (Sonan, 1932) | Diptera, Tephritidae | Quilici et al. 2003 |
| Opiinae         | Opiinae | *Opius dissitus* Muesebeck, 1963 | Diptera, Agromyzidae | Vaysières et al. 2001 |
| Opiinae         | Opiinae | *Opius (Utetes) coriacitergum* Fischer, 2014 | Diptera Cyclorrhapha | Fischer 2014 |
| Opiinae         | Opiinae | *Opius (Tolbia) karlinayi* Fischer, 2014 | Diptera Cyclorrhapha | Fischer 2014 |
| Opiinae         | Opiinae | *Opius (Gastrosema) laticrenis* Fischer, 2014 | Diptera Cyclorrhapha | Fischer 2014 |
| Opiinae         | Opiinae | *Opius (Opius) raiformis* Fischer, 2014 | Diptera Cyclorrhapha | Fischer 2014 |
| Opiinae         | Opiinae | *Opius (Utetes) semipilosus* Fischer, 2014 | Diptera Cyclorrhapha | Fischer 2014 |
| Opiinae         | Opiinae | *Opius (Gastrosema) waterloti* Granger, 1949 | Diptera Cyclorrhapha | Fischer and Madl 2008 |
| Opiinae         | Opiinae | *Psyttalia cosyrae* [1] (Wilkinson, 1927) | *Dacus sp.* | – |
| Family   | Subfamily | Genus / Species | General host information | Recorded from |
|----------|-----------|-----------------|--------------------------|---------------|
| **BRACONIDAE** | **Opiinae** | *Psyttalia distinguenda* (Granger, 1949) | Diptera Cyclorrhapha | Wharton et al. 1999 |
|          |           | *Psyttalia fletcheri* (Sylvestri, 1916) | Diptera Cyclorrhapha | Hurtrel et al. 1999 |
|          |           | *Psyttalia insignipennis* (Granger, 1949) | *Ceratitis capitata*, *Ceratitis catioiri*, *Neoceratitis cyanescens* | Wharton et al. 1999 |
|          |           | *Psyttalia phaeostigma* (Wilkinson, 1927) | *Dacus ciliatus*, *Dacus demmererezi* | Fischer 1987 |
|          |           | *Psyttalia sanctamarina* (Fischer, 1980) | *Spathulina aroleuca* | Fischer 1980 |
|          |           | *Psyttalia subsulcata* (Granger, 1949) | *Spathulina aroleuca* | Fischer and Madl 2008 |
|          | **Banchinae** | *Himertosoma be bourensis* (Benoit, 1957) | Lepidoptera, Tortricidae, Gelechiidae | Benoit 1957 |
|          |           | *Himertosoma striata* (Seyrig, 1932) | Lepidoptera, Tortricidae, Gelechiidae | Rousse and Villemant 2012 |
|          |           | *Campoplex techer* Rousse & Villemant, 2012 | Lepidoptera, Coleoptera or Hymenoptera | Rousse and Villemant 2012 |
|          |           | *Diadegma insulare* (Cresson, 1865) | Lepidoptera, Plutellidae, Pyralidae | Rousse and Villemant 2012 |
|          |           | *Diadegma mollipla* (Holmgren, 1868) | Lepidoptera, Plutellidae, Gelechiidae | Vayssières et al. 2001 |
|          |           | *Dusona douragui*a Rousse & Villemant, 2012 | Symphyta or Lepidoptera | Rousse and Villemant 2012 |
|          |           | *Dusona pauliani* (Benoit, 1957) | Symphyta or Lepidoptera | Rousse and Villemant 2012 |
|          |           | *Enytus huet* Rousse & Villemant, 2012 | Lepidoptera, Coleoptera or Hymenoptera | Rousse and Villemant 2012 |
|          |           | *Eriborus cadje* Rousse & Villemant, 2012 | Unknown. | Rousse and Villemant 2012 |
|          |           | *Eriborus pallipes* (Brullé, 1846) | Unknown. | Rousse and Villemant 2012 |
|          |           | *Hyposoter reunionis* (Benoit, 1957) | Lepidoptera, Coleoptera or Hymenoptera | Rousse and Villemant 2012 |
|          |           | *Venturia canescens* (Gravenhorst, 1829) | Lepidoptera | Benoit 1957 |
|          |           | *Xanthocampoplex huberti* Rousse & Villemant, 2012 | Lepidoptera, Gracillariidae, Pyralidae | Rousse and Villemant 2012 |
|          | **Ichneumonidae** | *Pristomerus rivier* Rousse & Villemant, 2012 | *Plutella xylostella*, *Prophantis smaragdina* | Rousse and Villemant 2012 |
|          |           | *Temelucha basiornata* (Cameron, 1911) | Diptera, Diopsidae | Rousse and Villemant 2012 |
|          |           | *Temelucha labusi* Rousse & Villemant, 2012 | Lepidoptera | Rousse and Villemant 2012 |
|          |           | *Temelucha minuta* (Morley, 1912) | Lepidoptera | Rousse and Villemant 2012 |
| Family       | Subfamily | Genus / Species | General host information | Recorded from |
|--------------|-----------|------------------|--------------------------|---------------|
| Cremastinae  |           | *Temelucha* sp. 1 | Lepidoptera              | Rousse and Villemant 2012 |
|              |           | *Temelucha* sp. 2 | Lepidoptera              | Rousse and Villemant 2012 |
|              |           | *Trathala* sp.    | Lepidoptera              | Rousse and Villemant 2012 |
|              |           | *Trathala annulicornis* | *Leucinodes orbonalis* | Rousse and Villemant 2012 |
|              |           | *Trathala flavoorebitalis* (Cameron, 1907) | *Leucinodes orbonalis* | Rousse and Villemant 2012 |
| Cryptinae    |           | *Acrolyta* dindar | Unknown.                 | Rousse and Villemant 2012 |
|              |           | *Diatora* albiscapus (Seyrig, 1952) | *Apanteles*              | Rousse and Villemant 2012 |
|              |           | *Paraphylax* musar | *Heliothis armigera*     | Rousse and Villemant 2012 |
|              |           | *Paraphylax* transversatoria (Seyrig, 1952) | *Heliothis armigera*     | Rousse and Villemant 2012 |
|              |           | *Phygadeuon* nattivel | *Musca domestica* | Rousse and Villemant 2012 |
|              |           | *Phygadeuon* nattivel | *Rhagoletis cerai* | Rousse and Villemant 2012 |
| Diplazontinae|           | *Diplazon* laetatorius (Fabricius, 1781) | *Diptera, Syrphidae*    | Saussure 1892 |
| Ichneumoninae|           | *Crytea* albitrochanterata (Heinrich, 1938) | *Aletia pallens* | Rousse and Villemant 2012 |
|              |           | *Ichneumon* unicinctus Brullé, 1846 | *Despria varia* | Rousse and Villemant 2012 |
|              |           | *Mesochorus cariniferus* Benoit, 1955 | *Phryganidia californica* | Rousse and Villemant 2012 |
|              |           | *Mesochorus* sp. | *Phryganidia californica* | Rousse and Villemant 2012 |
|              |           | *Triclistus* aitkeni (Cameron, 1897) | Unknown.                 | Rousse and Villemant 2012 |
| Metopiinae   |           | *Enicospilus* angustatus (Brullé, 1846) | *Lepidoptera*            | Bordage 1914 |
|              |           | *Enicospilus* betanimumens (de Saussure, 1892) | *Lepidoptera, Noctuidae* | Rousse and Villemant 2012 |
|              |           | *Enicospilus* dolosa (Tosquinet, 1896) | *Lepidoptera, Noctuidae, Crambidae* | Rousse and Villemant 2012 |
|              |           | *Enicospilus* dubius (Tosquinet, 1896) | *Lepidoptera, Noctuidae, Plusiidae* | Rousse and Villemant 2012 |
|              |           | *Enicospilus* grandiflavus Townes, 1973 | *Lepidoptera*            | Rousse and Villemant 2012 |
|              |           | *Enicospilus* helvolus Gauld & Mitchell, 1978 | *Anomis leona* | Rousse and Villemant 2012 |
|              |           | *Enicospilus* hova Gauld & Mitchell, 1978 | *Lepidoptera*            | Gauld and Mitchell 1978 |
| Family        | Subfamily | Genus / Species                         | General host information                          | Recorded from         |
|---------------|-----------|----------------------------------------|--------------------------------------------------|------------------------|
| Ophioninae    |           | *Enicospilus mauritii* (de Saussure, 1892) | Lepidoptera                                      | Bordage 1914           |
|               |           | *Enicospilus rufus* (Brullé, 1846)      | *Ctenoplusia limbirena* *Trigonodes hypsia*       | Benoit 1957            |
|               |           | *Enicospilus ruscus* Gauld & Mitchell, 1978 | Lepidoptera, Noctuidae                           | Rousse and Villemant 2012 |
|               |           | *Enicospilus sesamiae* Delobel, 1974    | Lepidoptera, Brachodidae, Noctuidae              | Zwart 1998             |
|               |           | *Enicospilus transatlantis* Cameron, 1911 | *Mythimna sp. Sesamia calamis*                    | Rousse and Villemant 2012 |
|               |           | *Enicospilus vitry* Rousse & Villemant, 2012 | Lepidoptera                                      | Rousse and Villemant 2012 |
| Orthocentrinae|           | *Megastylus vagabundus* Seyrig, 1934    | Diptera or Hymenoptera                           | Rousse and Villemant 2012 |
|               |           | *Orthocentrus urbanus* Seyrig, 1934     | Diptera, Coleoptera or Hymenoptera               | Rousse and Villemant 2012 |
|               |           | *Pantisarthus isolatus* (Benoit, 1957)  | Unknown.                                         | Benoit 1957            |
|               |           | *Proctinus ligatus* (Seyrig, 1934)      | Diptera or Lepidoptera                           | Rousse and Villemant 2012 |
|               |           | *Stenomacrus payet* Rousse & Villemant, 2012 | Unknown.                                         | Rousse and Villemant 2012 |
|               |           | *Tariqia stellaris* Rousse & Villemant, 2012 | Unknown.                                         | Rousse and Villemant 2012 |
| Pimplinae     |           | *Echthromorpha spinator* (Fabricius, 1798) | *Nagia linteola*                                 | Rousse and Villemant 2012 |
|               |           | *Itoplectis albipes* Seyrig, 1932       | Unknown.                                         | Rousse and Villemant 2012 |
|               |           | *Xanthophenax defector* Seyrig, 1932    | *Hypsipyla scabruscellela*                       | Rousse and Villemant 2012 |
|               |           | *Xanthophenax pacificator* Seyrig, 1932 | *Hypsipyla scabruscellela*                       | Rousse and Villemant 2012 |
|               |           | *Xanthophenax xanthomelas* (Brullé, 1846) | *Hypsipyla scabruscellela*                       | Rousse and Villemant 2012 |
|               |           | *Xanthopimpla stemmator* (Thunberg, 1824) | Lepidoptera, Pyralidae                           | Kfir et al. 2002       |
|               |           | *Zatypota inexpectata* Seyrig, 1932     | Araneae or Lepidoptera                           | Rousse and Villemant 2012 |
| Tersilochinae |           | *Aneuclis larga* Khalaim, 2009          | Unknown.                                         | Rousse and Villemant 2012 |
|               |           | *Diaparsis ramassamy* Rousse & Villemant, 2012 | Coleoptera, Symphyta                            | Rousse and Villemant 2012 |
| Tryphoninae   |           | *Netelia melanopus* (Brullé 1846)       | Lepidoptera, Tortricidae, Pyralidae, Noctuidae   | Saussure 1892           |
|               |           | *Netelia sp.*                           | Lepidoptera                                      | Rousse and Villemant 2012 |

[1] Fischer (1987) recorded it from Reunion, because «Réunion, Mayotte» is indicated on the label
Superfamily: CHALCIDOIDEA
Family: AGAONIDAE
Subfamily: Agaoninae

Genus: Elisabethiella Grandi, 1928
Elisabethiella reflexa Wiebes, 1975
Recorded from: Wiebes 1975
Host information: Ficus reflexa Thunb. (Moraceae) and Ficus alabreensis Baker C.C. Berg (Wiebes 1975)

Genus: Nigeriella Wiebes, 1974
Nigeriella avicola Wiebes, 1975
Recorded from: Wiebes 1975
Host information: Ficus rubra Vahl (Moraceae) (Wiebes 1975)

Genus: Platyscapa Motschoulsky, 1863
Platyscapa etiennei Wiebes, 1977
Recorded from: Wiebes 1977
Host information: Ficus salicifolia Vahl (Moraceae) (Wiebes 1977)

Subfamily: Kradibiinae

Genus: Ceratosolen Mayr, 1885
Ceratosolen coecus (Coquerel, 1855)
Recorded from: Coquerel 1855
Host information: Ficus mauritiana Lam. (Moraceae) (Coquerel 1855)

Genus: Kradibia Saunders, 1883
Kradibia etiennei Wiebes, 1990
Recorded from: Wiebes and Gompton 1990
Host information: Ficus lateriflora Vahl (Moraceae) (Wiebes and Gompton 1990)

Subfamily: Sycophaginae

Genus: Sycophaga Westwood, 1840
Sycophaga explorator (Coquerel, 1855)
Recorded from: Coquerel 1855
Host information: Unknown. But Sycophaga are parasites of figs (Coquerel 1855)
Family: **APHELINIDAE**

**Subfamily: Aphelininae**

**Genus: Aphelinus** Dalman, 1820

*Aphelinus asychis* Walker, 1839
- Recorded from: Vayssières et al. 2001
- Host information: Hemiptera, Aphididae (Vayssières et al. 2001)

*Aphelinus gossypii* Timberlake, 1924
- Recorded from: Quilici et al. 2003
- Host information: Aphididae (Hemiptera) (Vayssières et al. 2001)

*Aphelinus mariscusae* (Risbec, 1957)
- Recorded from: Risbec 1957
- Host information: Aphididae (Hemiptera) and particularly *Micromyzus (Kugegania) ageni* (Polaszek and Hayat 1989)

*Aphelinus varipes* (Förster, 1841)
- Recorded from: Vayssières et al. 2001
- Host information: Aphididae (Hemiptera) (Vayssières et al. 2001)

**Genus: Aphytis** Howard, 1900

*Aphytis africanus* Quednau, 1964
- Recorded from: Quilici et al. 2003
- Host information: *Aonidiella aurantii* (Hemiptera, Diaspididae) (Triapitsyn and Kim 2008)

*Aphytis coheni* DeBach, 1960
- Recorded from: Quilici et al. 2003
- Host information: *Aspidiotus nerii* (Hemiptera, Diaspididae) (Triapitsyn and Kim 2008)

*Aphytis holoxanthus* DeBach, 1960
- Recorded from: Quilici et al. 2003
- Host information: *Chrysomphalus aonidum* (Hemiptera, Diaspididae) (Triapitsyn and Kim 2008)

*Aphytis lepidosaphes* Compere, 1955
- Recorded from: Quilici et al. 2003
- Host information: *Lepidosaphes beckii* (Hemiptera, Diaspididae) (Triapitsyn and Kim 2008)
Aphytis lignanensis Compere, 1955
  Recorded from: Quilici et al. 2003
  Host information: *Aonidiella aurantii*, *Pseudaulacaspis pentagona* (Hemiptera, Diaspididae) (Luck and Podoler 1985)

Aphytis melinus DeBach, 1959
  Recorded from: Quilici et al. 2003
  Host information: *Aonidiella aurantii* (Hemiptera, Diaspididae) (Luck and Podoler 1985)

Genus: *Marietta* Motschulsky, 1863
*Marietta leopardina* Motschulsky, 1863
  Recorded from: Quilici et al. 2003
  Host information: Hyperparasitoid of 48 hemiptera and scales parasitic hymenoptera species (Shabaan 2003)

Subfamily: Calesinae

Genus: *Cales* Howard, 1907
*Cales noacki* Howard, 1907
  Recorded from: Etienne 1977
  Host information: *Aleurothrixus flocosus*, (Miret and Garcia-Marí 2001) *Aleurotrachelus atratus* (Borowiec et al. 2007) (Hemiptera, Aleyrodidae)

Subfamily Coccophaginae

Genus: *Coccophagus* Westwood, 1833
*Coccophagus ceroplastae* (Howard, 1985)
  Recorded from: Quilici et al. 2003
  Host information: *Coccus viridis, Coccus hesperidum, Saissetia coffeae, Ceroplastes spp., Pulvinaria psidii, Pulvinaria polygonata* (Hemiptera, Coccoidea), scales and mealybugs belonging to Diaspididae and Pseudococcidae (Hemiptera) have also been recorded as hosts (Hayat 1998)

*Coccophagus couperi* Girault, 1917
  Recorded from: Quilici et al. 2003
  Host information: *Saissetia oleae* (Clausen 1956), *Saissetia coffeae* (Shabaan 2005) (Hemiptera, Coccidae)
Coccophagus rusti Compere, 1928
  Recorded from: Quilici et al. 2003
  Host information: Saissetia oleae (Hemiptera, Coccidae) (Daane et al. 1991)

Genus: Encarsia Förster, 1878

Encarsia acaudaleyrodis Hayat, 1976
  Recorded from: Vayssières et al. 2001
  Host information: Acaudaleyrodes rachipora, Tetraleurodes leguminicola, Bemisia tabaci (Hemiptera, Aleyrodidae) (Ghahari et al. 2011)

Encarsia brasiliensis (Hempel, 1904)
  Recorded from: Vayssières et al. 2001
  Host information: Aleurodicus dispersus Bemisia tabaci, Lecanoideus floccissimus Trialeurodes vaporarium (Homoptera, Aleyrodidae) (Magnet and Onillon 1997, Hernandez-Suarez et al. 2000)

Encarsia citrina (Craw, 1891)
  Recorded from: Vayssières et al. 2001
  Host information: Several Coccoidae (Hemiptera) (Viggiani 1987)

Encarsia diaspicola (Silvestri, 1909)
  Recorded from: Quilici et al. 2003
  Host information: Pseudaulacaspis pentagona (Hemiptera, Diaspididae) (Liebregts et al. 1989)

Encarsia formosa Gahan, 1924
  Recorded from: Vayssières et al. 2001
  Host information: About 20 species in 8 genera of Aleyrodidae (Hemiptera) (Polaszek et al. 1992, Schauff et al. 1996)

Encarsia lounsburyi (Berlese & Paoli, 1916)
  Recorded from: Quilici et al. 2003
  Host information: Parlatoria ziziphi, Aonidiella citrina and Parlatoria pergandii (Hemiptera, Coccoidae) (Ghahari et al. 2004)

Encarsia luteola Howard, 1895
  Recorded from: Vayssières et al. 2001
  Host information: Bemisia argentifolii, Bemisia tabaci (Hemiptera, Aleyrodidae) (Gerling et al. 1987, Heinz and Parrella 1994)

Encarsia nigricephala Dozier, 1937
  Recorded from: Vayssières et al. 2001
  Host information: Trialeurodes abulitoni, Trialeurodes floridensis, Trialeurodes vaporiorum (Polaszek et al. 1999)
Encarsia perniciosi (Tower, 1913)  
Recorded from: Quilici et al. 2003  
Host information: Quadraspidiotus perniciosus (Baroffio 1997)

Encarsia sophia (Girault & Dodd, 1915)  
Recorded from: Vayssières et al. 2001  
Host information: Bemisia tabaci, Trialeurodes vaporarium (Hemiptera, Aleyrodoidea) (Vayssières et al. 2001, Luo and Liu 2011)

Encarsia tabacivora Viggiani, 1985  
Recorded from: Vayssières et al. 2001  
Host information: 14 species from 9 genera of Aleyrodidae (Hemiptera) (Polaszek et al. 1992, Schauff et al. 1996)

Subfamily: Eretmocerinae

Genus: Eretmocerus Haldeman, 1850  
Eretmocerus hayati Zolnerowich & Rose, 1998  
Recorded from: Vayssières et al. 2001  
Host information: Bemisia tabaci, Trialeurodes vaporarium (Hemiptera, Aleyrodoidea) (Vayssières et al. 2001)

Eretmocerus mundus Mercet, 1931  
Recorded from: Vayssières et al. 2001  
Host information: Bemisia argentifolii (Hemiptera, Aleyrodoidea) (Walker et al. 1999), Bemisia tabaci, Trialeurodes vaporarium (Hemiptera, Aleyrodoidea) (Vayssières et al. 2001)

Family: CHALCIDIDAE  
Subfamily: Chalcidinae

Genus: Brachymeria Westwood, 1829  
Brachymeria nephantidis Gahan, 1930  
Recorded from: Ramage et al. 2011  
Host information: Nephantis serinopa (Lepidoptera, Xyloricitidae) (Joy et al. 1978), Coryya cephalonica (Lepidoptera, Pyralidae) (Kapadia 1999)
\textit{Brachymeria podagrica} (Fabricius, 1787)

Recorded from: Ramage et al. 2011
Host information: Moths in several families and Calypterate Diptera such as: \textit{Chrysomya albiceps} (Diptera, Calliphoridae) (Marchiori et al. 2002a) and \textit{Sarcodexia lambens} (Diptera, Sarcophagidae) (Marchiori et al. 2002b)

\textbf{Subfamily: Dirhinae}

\textbf{Genus: Dirhinus} Dalman, 1818

\textit{Dirhinus galesusaeformis} (Risbec, 1957)
Recorded from: Risbec 1957
Host information: Unknown

\textit{Dirhinus giffardii} Silvestri, 1913
Recorded from: Vayssières et al. 2001
Host information: Diptera, Tephritidae (Noyes 2013)

\textit{Dirhinus himalayanus} Westwood, 1836
Recorded from: Ramage et al. 2011
Host information: \textit{Sarcophaga bullata} (Diptera, Sarcophagidae), \textit{Hydrotaea aeneocens}, \textit{Stomoxys calcitrans}, and \textit{Musca domestica} (Diptera, Muscidae) (Geden et al. 2006, Srinivasan and Amalraj 2003). \textit{Dirhinus himalayanus} is also a parasitoid of some Tephritidae (Diptera) pupae (Grissell and Schaufl 1990, Sivinsky et al. 1997)

\textbf{Subfamily: Epitranae}

\textbf{Genus: Epitranus} Walker, 1834

\textit{Epitranus erythrogaster} Cameron, 1888
Recorded from: Ramage et al. 2011
Host information: \textit{Corcyra cephalonica} (Lepidoptera, Pyralidae) (Boucek 2007)

\textit{Epitranus evanioides} (Westwood, 1835)
Recorded from: Ramage et al. 2011
Host information: Unknown
Subfamily: Haltichellinae

Genus: *Antrocephalus* Kirby, 1883
*Antrocephalus crassipes* Masi, 1940
  Recorded from: Ramage et al. 2011
  Host information: Unknown

*Antrocephalus dividens* (Walker, 1860)
  Recorded from: Ramage et al. 2011
  Host information: Unknown

Genus: *Hockeria* Walker, 1834
*Hockeria fulvipes* Masi, 1917
  Recorded from: Ramage et al. 2011
  Host information: Unknown

Genus: *Proconura* Dodd, 1915
*Proconura eublemmae* (Steffan, 1951)
  Recorded from: Ramage et al. 2011
  Host information: *Eublemma gayneri* (Lepidoptera, Noctuidae) (Gahukar 1981)

Family: ENCYRTIDAE
Subfamily: Encyrtinae

Genus: *Ageniaspis* Dahlbom, 1857
*Ageniaspis citricola* Logvinovskaya, 1983
  Recorded from: Quilici et al. 2003
  Host information: *Phyllocnistis citrella* (Lepidoptera, Gracillariidae) (Edward and Hoy 1998, Hoy and Jessey 2004)

*Ageniaspis fuscicallis* (Dalman, 1920)
  Recorded from: Quilici et al. 2003
  Host information: *Yponomeuta malinellus* (Lepidoptera, Yponomeutidae) (Kuhlmann et al. 1998), *Acrolepia assectella* (Lepidoptera, Acrolepiidae) (Pralavorio et al. 1977)

Genus: *Aloencyrtus* Prinsloo, 1978
*Aloencyrtus obscuratus* (Waterston, 1917)
  Recorded from: Quilici et al. 2003
  Host information: Unknown. But *Aloencyrtus* appear to be exclusively parasitic in Coccidae (Hemiptera) (Prinsloo 2010)
Genus: *Arrhenophagus* Aurivillius, 1888  
*Arrhenophagus chionaspidis* Aurivillius, 1888  
Recorded from: Quilici et al. 2003  
Host information: *Pseudaulacaspis pentagona* (Hemiptera, Diaspididae) (Kreiter et al. 2000, Goebel 1987)

Genus: *Cheiloneurus* Westwood, 1833  
*Cheiloneurus cyanonotus* Waterston, 1917  
Recorded from: Risbec 1957  
Host information: *Phenacoccus manihoti* (Hemiptera, Pseudococcidae) (Fabres and Matile-Ferrero 1986)

Genus: *Comperiella* Howard, 1906  
*Comperiella bifasciata* Howard, 1906  
Recorded from: Quilici et al. 2003  
Host information: *Aonidiella citrina, Aonidiella aurantii, Aspidiotus destructor* (Hemiptera, Diaspididae) (Flanders 1944, Tandon and Srivastava 1980)

Genus: *Copidosoma* Ratzeburg, 1844  
*Copidosoma koehleri* Blanchard, 1940  
Recorded from: Vayssières et al. 2001  
Host information: *Phtorimea operculella* (Lepidoptera, Gelechiidae) (Dalaya and Patil 1973)

Genus: *Diaphorencyrtus* Hayat, 1981  
*Diaphorencyrtus aligarhensis* (Shafee, Alam & Agarwal, 1975)  
Recorded from: Quilici et al. 2003  
Host information: *Diaphorina citri* (Hemiptera, Psyllidae) (Prinsloo 1985, Hoy and Nguyen 1998)

Genus: *Habrolepis* Förster, 1856  
*Habrolepis rouxi* Compere, 1936  
Recorded from: Quilici et al. 2003  
Host information: *Anonidiella aurantii* (Hemiptera, Diaspididae) (Flanders 1942)

Genus: *Homalotylus* Mayr, 1876  
*Homalotylus eytelweinii* (Ratzeburg, 1844)  
Recorded from: Delpoux et al. 2013  
Host information: Coccinellidae (Coleoptera) from the tribes Coccinellini, Chilocorini, and Psylloborini (Kuznetsov 1975, 1987, Trjapitzin 2011)
Genus: *Metaphycus* Mercet, 1917
*Metaphycus galbus* Annecke, 1964
  Recorded from: Quilici et al. 2003
  Host information: *Protopulvinaria pyriformis* (Hemiptera, Coccidae) (Robertson and De Villiers 1986)

Genus: *Microterys* Thomson, 1876
*Microterys nietneri* (Motschulsky, 1859)
  Recorded from: Quilici et al. 2003
  Host information: Hemiptera, Coccidae especially on citrus (Triapitsyn et al. 2008)

Genus: *Psyllaephagus* Ashmead, 1900
*Psyllaephagus pulvinatus* (Waterston, 1922)
  Recorded from: Aubert 1975
  Host information: *Trioza eryteae* (Homoptera, Psyllidae) (MacDaniel and Moran 1972)

Genus: *Syrphophagus* Ashmead, 1900
*Syrphophagus africanus* (Gahan, 1932)
  Recorded from: Vayssières et al. 2001
  Host information: Hyperparasitoid of some aphid parasitoids (e.g. *Lysiphlebus testaceipes*, *Phelinus ficusae*) (Saethre et al. 2011)

Subfamily: Tetracneminae

Genus: *Coccidoxenoides* Girault, 1915
*Coccidoxenoides perminutus* Girault, 1915
  Recorded from: Quilici et al. 2003
  Host information: *Planococcus ficus* (Hemiptera, Pseudococcidae) (Walton and Pringle 2005)

Family: EULOPHIDAE
Subfamily: Entedoninae

Genus: *Chrysocharis* Förster, 1856
*Chrysocharis bedius* (Walker, 1842)
  Recorded from: Vayssières et al. 2001
  Host information: *Liriomyza* species (Diptera, Agromyzidae) (Vayssières et al. 2001)
Chrysocharis sp.
Recorded from: Vayssières et al. 2001
Host information: Liriomyza species (Diptera, Agromyzidae) (Vayssières et al. 2001)

Genus: Chrysonotomyia Ashmead, 1904
Chrysonotomyia pulcherrima (Kerrich, 1970)
Recorded from: Quilici et al. 2003
Host information: Procontarinia matteiana (Diptera, Cecidomyiidae) (Sankaran and Mjeni 1985)

Genus: Neochrysocharis Kurdjumov, 1912
Neochrysocharis formosa (Westwood, 1833)
Recorded from: Vayssières et al. 2001
Host information: Liriomyza species (Diptera, Agromyzidae) (Vayssières et al. 2001)

Neochrysocharis sp.
Recorded from: Vayssières et al. 2001
Host information: Liriomyza species (Diptera, Agromyzidae) (Vayssières et al. 2001)

Genus: Platocharis Kerrich, 1969
Platocharis coffeae (Ferrière, 1936)
Recorded from: Kerrich 1969
Host information: Coffee leaf-miners (Leucoptera spp.) (Kerrich 1969)

Subfamily: Eulophinae

Genus: Cirrospilus Westwood, 1832
Cirrospilus cinctiventris Ferrière, 1936
Recorded from: Quilici et al. 2003
Host information: Leaf-miners from genus Leucoptera (Lepidoptera, Lyonetiidae) (Ferrière 1936)

Cirrospilus crowei Kerrich, 1969
Recorded from: Quilici et al. 2003
Host information: Phyllocnistis citrella (Lepidoptera, Gracillariidae) (Schauff et al. 1998)

Genus: Elachertus Spinola, 1811
Elachertus insularis (Risbec, 1957).
Recorded from: Risbec 1957
Host information: Unknown
Genus: Elasmus Westwood, 1833
Elasmus masii Ferrière, 1929
  Recorded from: Risbec 1957
  Host information: Recorded as both, primary and secondary parasitoid of Lepidoptera (Noyes and Yu 2012)

Genus: Euplectrus Westwood, 1832
Euplectrus bebourensis Risbec, 1957
  Recorded from: Risbec 1957
  Host information: Unknown. But Euplectrus are parasitoid of Lepidoptera larvae (Schauff and Janzen 2001)

Genus: Hamonia Risbec, 1957
Hamonia reunionensis Risbec, 1957
  Recorded from: Risbec 1957
  Host information: Unknown

Hamonia sexdentata Risbec, 1957
  Recorded from: Risbec 1957
  Host information: Unknown

Hamonia sylvatica Risbec, 1957
  Recorded from: Risbec 1957
  Host information: Unknown

Genus: Hemiptarsenus Westwood, 1833
Hemiptarsenus varicornis Girault, 1913
  Recorded from: Vayssières et al. 2001
  Host information: Liriomyza trifolii and other Liriomyza species (Diptera, Agromyzidae) (Arakaki and Kinjo 1998, Vayssières et al. 2001)

Genus: Notanisomorphella Girault, 1913
Notanisomorphella borborica (Giard, 1903)
  Recorded from: Quilici et al. 2003
  Host information: Leaf-miners from genus Leucoptera (Lepidoptera, Lyonetiidae) (Ferrière 1936)

Genus: Stenomesius Westwood, 1833
Stenomesius belouvi (Risbec, 1957)
  Recorded from: Risbec 1957
  Host information: Unknown
Stenomesius masii (Risbec, 1957)
Recorded from: Risbec 1957
Host information: Unknown

Subfamily: Tetrastichinae

Genus: Aprostocetus Westwood, 1833
Aprostocetus ceroplastae (Girault, 1916)
Recorded from: Quilici et al. 2003
Host information: Ceroplastes destructor (Hemiptera, Coccidae) (Wakgari and Gilio-mee 2001)

Aprostocetus toddaliae (Risbec, 1958)
Recorded from: Quilici et al. 2003
Host information: Ceroplastes rusci (Hemiptera, Coccidae) (Talebi et al. 2011)

Genus: Gyrolasia Förster, 1856
Gyrolasia helburgi (Risbec, 1957)
Recorded from: Risbec 1957
Host information: Unknown

Genus: Nesolynx Ashmead, 1905
Nesolynx phaeosoma (Waterston, 1915)
Recorded from: Quilici et al. 2003
Host information: Hyperparasitoid on Nephopterix beharella (Lepidoptera, Pyralidae) (Quilici et al. 2003)

Genus: Oomyzus Rondani, 1870
Oomyzus sokolowskii (Kurdjumov, 1912)
Recorded from: Vayssières et al. 2001
Host information: Plutella xylostella (Lepidoptera, Yponomeutoidea) (Vayssières et al. 2001)

Genus: Quadrastichus Girault, 1913
Quadrastichus erythrinae Kim, 2004
Recorded from: Kim et al. 2004
Host information: Gall-inducer on Erythrina (Kim et al. 2004)

Genus: Tamaraxia Mercet, 1924
Tamaraxia dryi (Waterston, 1922)
Recorded from: Etienne and Aubert 1980
Host information: Ectoparasitoid of Psyllid larvae (Hemiptera, Psyllidae) (Quilici et al. 2003)

*Tamaraxia radiata* (Waterston, 1922)
- Recorded from: Aubert et al. 1979
- Host information: Ectoparasitoid of Psyllid larvae (Hemiptera, Psyllidae) (Quilici et al. 2003)

**Genus: Tetrastichus** Haliday, 1844
*Tetrastichus giffardianus* Silvestri, 1915
- Recorded from: Vayssières et al. 2001
- Host information: Endoparasitoids of several Tephritid larvae (Diptera) (Clausen et al. 1965)

*Tetrastichus gyrolasiaeformis* Risbec, 1957
- Recorded from: Risbec 1957
- Host information: Unknown

*Tetrastichus sesamiae* Risbec, 1951
- Recorded from: Risbec 1957
- Host information: Parasitoid of Lepidoptera (Noyes and Yu 2012)

**Family: EUPELMIDAE**
**Subfamily: Eupelminae**

**Genus: Eupelmus** Dalman, 1820
*Eupelmus* sp.
- Recorded from: Vayssières et al. 2001
- Host information: Unknown. But *Eupelmus* can be extremely polyphagous (Gibson 2011)

**Family: EURYTOMIDAE**
**Subfamily: Eurytominae**

**Genus: Eurytoma** Illiger, 1807
*Eurytoma ivohibe* Risbec, 1957
- Recorded from: Risbec 1957
- Host information: Unknown
Eurytoma reunionensis Risbec, 1957  
  Recorded from: Risbec 1957  
  Host information: Unknown

Family: ORMYRIDAE

Genus: Ormyrus Westwood, 1832  
Ormyrus australis Risbec, 1957  
  Recorded from: Risbec 1957  
  Host information: Unknown

Family: PTEROMALIDAE  
Subfamily: Eunotinae

Genus: Mesopeltita Ghesquière, 1946  
Mesopeltita truncatipennis (Waterston, 1917)  
  Recorded from: Quilici et al. 2003  
  Host information: Ceroplastes sp., Saissetia oleae, Saissetia somereni and Saissetia sp.  
  (Hemiptera, Coccidae) (Myartseva et al. 2004)

Genus: Moranila Cameron, 1883  
Moranila californica (Howard, 1881)  
  Recorded from: Quilici et al. 2003  
  Host information: Saissetia oleae, Ceroplastes floridensis (Hemiptera: Coccidae)  
  (Flanders 1958, Argov et al. 1992)

Subfamily: Miscogasterinae

Genus: Halticoptera Spinola, 1811  
Halticoptera sp.  
  Recorded from: Vayssières et al. 2001  
  Host information: Melanagromyza phaseoli, Liriomyza spp. (Diptera, Agromyzidae)  
  (Abul-Nasr and Assem 1968, Vayssières et al. 2001)
Subfamily: Pteromalinae

**Genus: Muscidifurax** Girault & Sanders, 1910
*Muscidifurax raptor* Girault & Sanders, 1910
  Recorded from: Quilici et al. 2003
  Host information: *Musca domestica, Stomoxys calcitrans* and other Synanthropic filth-breeding Diptera (Diptera, Muscidae) (Legner 1967, Zchori-Fein et al. 2000)

*Muscidifurax uniraptor* Kogan & Legner, 1970
  Recorded from: Quilici et al. 2003
  Host information: *Musca domestica, Stomoxys calcitrans* and other Synanthropic filth-breeding Diptera (Diptera, Muscidae) (Legner 1967, Zchori-Fein et al. 2000)

**Genus: Pachyneuron** Walker, 1833
*Pachyneuron* sp.
  Recorded from: Vayssières et al. 2001
  Host information: Unknown. But *Pachyneuron* are mostly Hyperparasitoid of Hemiptera, Aphididae, and some Diptera (Gibson 2001)

*Pachyneuron longiradius* Silvestri, 1915
  Recorded from: Delvare G. unpublished determination (2013)
  Host information: The identified *Dendrocerus* emerged from a specimen of *Rodolia chermesina* (Coleoptera, Coccinellidae) (Delvare 2013, unpublished data)

**Genus: Ploskana** Boucek, 1976
*Ploskana tenuis* Boucek, 1976
  Recorded from: Vayssières et al. 2001
  Host information: *Bactrocera cucurbitae* (Diptera, Tephritidae) (Vayssières et al. 2001)

**Genus: Pteromalus** Swederus, 1795
*Pteromalus* sp.
  Recorded from: Vayssières et al. 2001
  Host information: Unknown. But all species of *Pteromalus* are parasitoids of larvae and pupae of various holometabolous insects, for instance Lepidoptera, Coleoptera, gall forming Hymenoptera (Cynipidae, Tenthredinidae) and Diptera (Tephritidae) (Baur 2015)

**Genus: Spodophagus** Delvare & Rasplus, 1994
*Spodophagus lepidopterae* (Risbec, 1952)
  Recorded from: Risbec 1952
  Host information: *Spodoptera littoralis* (Lepidoptera, Noctuidae) (Risbec 1952, Delvare and Rasplus 1994)
**Genus: Trichomalopsis** Crawford, 1913
*Trichomalopsis* sp.
  - Recorded from: Vayssières et al. 2001
  - Host information: Diptera, Muscidae (Gibson and Floate 2001)

**Subfamily: Spalangiinae**

**Genus: Spalangia** Latreille, 1805
*Spalangia endius* Walker, 1839
  - Recorded from: Vayssières et al. 2001
  - Host information: *Musca domestica* (Diptera, Muscidae) (Ables and Shepard 1974), *Dacus ciliates* (Diptera, Tephritidae) (Vayssières et al. 2001)

*Spalangia gemina* Boucek, 1963
  - Recorded from: Vayssières et al. 2001
  - Host information: Diptera, Muscidae (Morgan et al. 1991), Tephritidae (Vayssières et al. 2001)

*Spalangia seyrigi* Risbec, 1952
  - Recorded from: Vayssières et al. 2001
  - Host information: *Dacus ciliatus* (Diptera, Tephritidae) (Vayssières et al. 2001)

**Subfamily: Sycoecinae**

**Genus: Seres** Waterston, 1919
*Seres bouceki* (Wiebes, 1981)
  - Recorded from: Wiebes 1981
  - Host information: *Ficus reflexa reflexa* Thunb. and *Ficus reflexa aldabreensis* (Baker) C.C. Berg (Wiebes 1981)

**Subfamily: Sycoryctinae**

**Genus: Apocrypta** Coquerel, 1855
*Apocrypta perplexa* Coquerel, 1855
  - Recorded from: Coquerel 1855
  - Host information: *Ficus mauritiana* Lam. (Moraceae) (Coquerel 1855)
Genus: **Sycoryctes** Mayr, 1885

*Sycoryctes anceps* Wiebes, 1981
- Recorded from: Wiebes 1981
- Host information: *Ficus densifolia* Miq. (Moraceae) (Wiebes 1981)

*Genus: Sycoryctes caelebs* Wiebes, 1975
- Recorded from: Wiebes 1975
- Host information: *Ficus densifolia* Miq. and *Ficus rubra* (Moraceae) (Wiebes 1981)

*Genus: Sycoryctes comparabilis* Wiebes, 1981
- Recorded from: Wiebes 1981
- Host information: *Ficus densifolia* Miq. (Moraceae) (Wiebes 1981)

*Genus: Sycoryctes remus* Wiebes, 1981
- Recorded from: Bouček et al. 1981
- Host information: *Ficus reflexa reflexa* Thunb. and *Ficus burkei* (Miq.) Miq. (Moraceae) (Bouček et al. 1981)

Genus: **Sycoscapter** Saunders, 1883

*Genus: Sycoscapter gibbuis* Saunders, 1883
- Recorded from: Saunders 1883
- Host information: *Ficus politoria* Lam. and *Ficus lateriflora* Vahl (Moraceae) (Saunders 1883)

*Genus: Sycoscapter tibialis* Wiebes, 1981
- Recorded from: Wiebes 1981
- Host information: *Ficus rubra* Vahl (Moraceae) (Wiebes 1981)

Genus: **Philotrypesis** Förster, 1878

*Philotrypesis cnephaea* Wiebes, 1981
- Recorded from: Wiebes 1981
- Host information: *Ficus reflexa reflexa* Thunb. (Moraceae) (Wiebes 1981)

Genus: **Watshamiella** Wiebes, 1981

*Genus: Watshamiella fictitia* Wiebes, 1981
- Recorded from: Wiebes 1981
- Host information: *Ficus rubra* Vahl (Moraceae) (Wiebes 1981)

*Genus: Watshamiella lucens* Wiebes, 1981
- Recorded from: Wiebes 1981
- Host information: *Ficus densifolia* Miq. (Moraceae) (Wiebes 1981)
Family: SIGNIPHORIDAE

Genus: *Chartocerus* Motschulsky, 1859
*Chartocerus* sp.
- Recorded from: Delvare G. unpublished determination (2013)
- Host information: In 2013 *Dendrocerus wollastoni* emerged from a specimen of *Rodolia chermesina* (Coleoptera, Coccinellidae) in Reunion Island (Delvare 2013, unpublished data)

Family: TORYMIDAE
Subfamily: Megastigminae

Genus: *Megastigmus* Dalman, 1820
*Megastigmus transvaalensis* (Hussey, 1956)
- Recorded from: Habeck et al. 1989
- Host information: Develops on plants in the genera *Rhus* and *Schinus* (Anacardiaceae) (Hussey 1956, Habeck et al. 1989)

Family: TRICHOGRAMMATIDAE
Subfamily: Trichogrammatinae

Genus: *Trichogramma* Westwood, 1833
*Trichogramma chilonis* Ishii, 1941
- Recorded from: Vayssières et al. 2001
- Host information: *Plutella xylostella* (Lepidoptera, Plutellidae) (Vayssières et al. 2001)

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**Table 2.** List of the Chalcidoidea recorded from Reunion Island.

| Family      | Subfamily | Genus / Species                  | General host information                       | Recorded from       |
|-------------|-----------|----------------------------------|-----------------------------------------------|---------------------|
| AGAONIDAE   | Agaoninae | *Elisabethiella reflexa* Wiebes, 1975 | *Ficus reflexa* and *Ficus aldobrensis* (Moraceae) | Wiebes 1975         |
|             |           | *Nigeriella avicola* Wiebes, 1975 | *Ficus rubra* (Moraceae)                      | Wiebes 1975         |
|             |           | *Platyscapa etiennei* Wiebes, 1977 | *Ficus salicifolia* (Moraceae)                | Wiebes 1977         |
| Kradibiinae | Ceratosolen coecus (Coquerel, 1855) | *Ficus mauritiana* (Moraceae)                | Coquerel 1855       |
|             | Kradibia etiennei Wiebes, 1990 | *Ficus lateriflora* (Moraceae)               | Wiebes and Gompton 1990 |
| Sycophaginae| Sycophaga explorator (Coquerel, 1855) | Unknown Moraceae                           | Coquerel 1855       |
| Family       | Subfamily | Genus / Species                  | General host information | Recorded from     |
|--------------|-----------|----------------------------------|--------------------------|-------------------|
| Aphelinidae  | Calesinae | *Cales naocki* Howard, 1907       | Aleurotrachelus atratus, Aleurothrixus floccosus (Hemiptera: Aleyrodidae) | Etienne 1977      |
|              |           | *Cocophagus ceroplastae* (Howard, 1985) | Coccidae, Diaspididae or Pseudococcidae (Hemiptera) | Quilici et al. 2003 |
|              |           | *Cocophagus couperi* (Girault, 1917) | Saissetia (Hemiptera: Coccidae) | Quilici et al. 2003 |
|              |           | *Cocophagus rusti* (Compere, 1928) | Saissetia oleae (Hemiptera: Coccidae) | Quilici et al. 2003 |
|              |           | *Encarsia acaudaleydolis* Hayat, 1976 | Aleyrodidae (Hemiptera) | Vayssières et al. 2001 |
|              |           | *Encarsia brasiliensis* (Hempel, 1904) | Aleyrodidae (Hemiptera) | Vayssières et al. 2001 |
|              |           | *Encarsia citrina* (Craw, 1891) | Coccidae (Hemiptera) | Vayssières et al. 2001 |
|              |           | *Encarsia diaspicola* (Silvestri, 1909) | Pseudaulacaspis pentagona (Hemiptera: Diaspididae) | Quilici et al. 2003 |
|              |           | *Encarsia formosa* Gahan, 1924 | Aleyrodidae (Hemiptera) | Vayssières et al. 2001 |
|              |           | *Encarsia lounsburyi* (Berlese & Paoli, 1916) | Coccidae (Hemiptera) | Quilici et al. 2003 |
|              |           | *Encarsia luteola* Howard, 1895 | *Bemisia* (Hemiptera: Aleyrodidae) | Vayssières et al. 2001 |
|              |           | *Encarsia nigricephalus* Dozier, 1937 | *Trialeurodes* (Hemiptera: Aleyrodidae) | Vayssières et al. 2001 |
|              |           | *Encarsia perniciosi* (Tower, 1913) | *Quadraspidiotus perniciosus* | Quilici et al. 2003 |
|              |           | *Encarsia sophia* (Girault & Dodd, 1915) | *Bemisia tabaci, Trialeurodes vaporarion* (Hemiptera: Aleyrodidae) | Vayssières et al. 2001 |
| Aphelinidae  | Aphelininae | *Aphelinus asychis* (Walker, 1839) | Aphididae (Hemiptera) | Quilici et al. 2003 |
|              |           | *Aphelinus gossypii* Timberlake, 1924 | Aphididae (Hemiptera) | Vayssières et al. 2001 |
|              |           | *Aphelinus mariscusae* (Risbec, 1957) | Aphididae (Hemiptera) | Risbec 1957 |
|              |           | *Aphelinus varipes* ( Förster, 1841) | Aphididae (Hemiptera) | Vayssières et al. 2001 |
|              |           | *Aphytis africanus* (Quednau, 1964) | Aonidiella aurantii (Hemiptera: Diaspididae) | Quilici et al. 2003 |
|              |           | *Aphytis coheni* (DeBach, 1960) | *Aspidiotus nerii* (Hemiptera: Diaspididae) | Quilici et al. 2003 |
|              |           | *Aphytis holoxanthus* (DeBach, 1960) | Diaspididae (Hemiptera) | Quilici et al. 2003 |
|              |           | *Aphytis lepidosaphes* (Compere, 1928) | *Aonidiella aurantii, Pseudaulacaspis pentagona* (Hemiptera: Diaspididae) | Quilici et al. 2003 |
|              |           | *Aphytis melinus* (DeBach, 1959) | *Aonidiella aurantii* (Hemiptera: Diaspididae) | Quilici et al. 2003 |
|              |           | *Marietta leopardina* (Motschulsky, 1863) | Hymenoptera | Quilici et al. 2003 |
|              |           | *Encarsia acaudaleydolis* Hayat, 1976 | Aleyrodidae (Hemiptera) | Vayssières et al. 2001 |
|              |           | *Encarsia brasiliensis* (Hempel, 1904) | Aleyrodidae (Hemiptera) | Vayssières et al. 2001 |
|              |           | *Encarsia citrina* (Craw, 1891) | Coccidae (Hemiptera) | Vayssières et al. 2001 |
|              |           | *Encarsia diaspicola* (Silvestri, 1909) | *Pseudaulacaspis pentagona* (Hemiptera: Diaspididae) | Quilici et al. 2003 |
|              |           | *Encarsia formosa* Gahan, 1924 | Aleyrodidae (Hemiptera) | Vayssières et al. 2001 |
|              |           | *Encarsia lounsburyi* (Berlese & Paoli, 1916) | Coccidae (Hemiptera) | Quilici et al. 2003 |
|              |           | *Encarsia luteola* Howard, 1895 | *Bemisia* (Hemiptera: Aleyrodidae) | Vayssières et al. 2001 |
|              |           | *Encarsia nigricephalus* Dozier, 1937 | *Trialeurodes* (Hemiptera: Aleyrodidae) | Vayssières et al. 2001 |
|              |           | *Encarsia perniciosi* (Tower, 1913) | *Quadraspidiotus perniciosus* | Quilici et al. 2003 |
|              |           | *Encarsia sophia* (Girault & Dodd, 1915) | *Bemisia tabaci, Trialeurodes vaporarion* (Hemiptera: Aleyrodidae) | Vayssières et al. 2001 |
| Family     | Subfamily   | Genus / Species                      | General host information                                                                 | Recorded from  |
|------------|-------------|--------------------------------------|------------------------------------------------------------------------------------------|----------------|
| APHELINIDAE| Coccophaginae| *Encarsia tabacivora* Vigiani, 1985   | Aleyrodidae (Hemiptera)                                                                   | Vayssières et al. 2001 |
|            | Eretmocerinae| *Eretmocerus hayati* (Zolnerowich & Rose, 1998) | *Bemisia tabaci, Trialeurodes vaporarium* (Hemiptera: Aleyrodidae)                      | Vayssières et al. 2001 |
|            |             | *Eretmocerus mundus* (Mercet, 1931)   | *Bemisia argentifolii, Bemisia tabaci, Trialeurodes vaporarium* (Hemiptera: Aleyrodidae) | Vayssières et al. 2001 |
| CHALCIDIDAE| Chalcidinae  | *Brachymeria nphantidis* Gahan, 1930  | *Nephanis serinopa* (Lepidoptera: Autostichidae), *Corcyra cephalonica* (Lepidoptera: Pyralidae) | Ramage et al. 2011 |
|            |             | *Brachymeria podagrica* (Fabricius, 1787) | Lepidoptera and Diptera                                                                   | Ramage et al. 2011 |
|            |             | *Dirhinus galesuaformis* (Risbec, 1957) | Unknown                                                                                  | Risbec 1957 |
|            |             | *Dirhinus giffardii* (Silvestri, 1913) | Tephritidae (Diptera)                                                                     | Vayssières et al. 2001 |
|            |             | *Dirhinus himalayanus* Westwood, 1836 | Some Diptera in: Tephritidae, Muscidae and Sarcophagida                                  | Ramage et al. 2011 |
|            | Epitrainae  | *Epitranus erythrogaster* Cameron, 1888 | *Corcyra cephalonica* (Lepidoptera: Pyralidae)                                           | Ramage et al. 2011 |
|            |             | *Epitranus evanioides* (Westwood, 1835) | Unknown                                                                                 | Ramage et al. 2011 |
|            | Haltichellinae| *Anthrocephalus cassinipes* (Masi, 1940) | Unknown                                                                                 | Ramage et al. 2011 |
|            |             | *Anthrocephalus dividens* (Walker, 1860) | Unknown                                                                                 | Ramage et al. 2011 |
|            |             | *Hockeria fluviipes* Masi, 1917       | Unknown                                                                                 | Ramage et al. 2011 |
|            |             | *Proconura eublenmae* (Steffan, 1951)  | *Eublenma gayneri* (Lepidoptera: Erebidae)                                               | Ramage et al. 2011 |
| ENCRIPTIDAE| Enyrtinae    | *Ageniaspis citricola* Logvinovskaya, 1983 | *Phyllocnistis citrella* (Lepidoptera: Gracillaridae)                                   | Quilici et al. 2003 |
|            |             | *Ageniaspis fuscicallis* (Dalman, 1920) | *Yponomeuta malinellus* (Lepidoptera: Yponomeutidae), *Acrolepiidae*               | Quilici et al. 2003 |
|            |             | *Albencyrtus obscurnatus* (Waterston, 1917) | Coccidae (Hemiptera)                                                                     | Quilici et al. 2003 |
|            |             | *Arwyenophagus chionaspis* (Aurivillius, 1888) | *Pseudaulacaspis pentagona* (Hemiptera: Diaspididae)                                      | Quilici et al. 2003 |
|            |             | *Cheloneurus cyanonotus* (Waterston, 1917) | *Phenacoccus manihoti* (Hemiptera: Pseudococcidae)                                       | Risbec 1957 |
|            |             | *Comperiella bifasciata* (Howard, 1906) | Diaspididae (Hemiptera)                                                                   | Quilici et al. 2003 |
|            |             | *Copidosoma koelheri* (Blanchard, 1940) | *Phthorimea opercula*                                                                     | Vayssières et al. 2001 |
|            |             | *Diaphorencyrtus algarhenis* (Shafee, Alam & Agarwal, 1975) | *Diaphorina citri* (Hemiptera: Psyllidae)                                               | Quilici et al. 2003 |
| Family     | Subfamily | Genus / Species | General host information | Recorded from |
|------------|-----------|-----------------|--------------------------|---------------|
| Euceritidae| Encyrtinae| *Habrolepis rouxi* (Compere, 1936) | *Aonidiella aurantii* (Hemiptera, Diaspididae) | Quilici et al. 2003 |
|            |           | *Homalotylus eytelweinii* (Ratzeburg, 1844) | *Coccinellidae* (Coleoptera) | Delpoux et al. 2013 |
|            |           | *Metapocyclus galbus* (Annecke, 1964) | *Protopulvinaria pyriformis* (Hemiptera, Coccidae) | Quilici et al. 2003 |
|            |           | *Microterys nietneri* (Motschulsky, 1859) | *Coccidae* (Hemiptera) | Quilici et al. 2003 |
|            |           | *Pylleaophagus pulvinatus* (Waterson, 1922) | *Psyllidae* (Hemiptera) | Aubert 1975 |
|            |           | *Syrophagus africanus* (Gahan, 1932) | Hyperparasitoid of aphid parasitoid | Vayssières et al. 2001 |
|            | Tetracneminae | *Coccidoxenoides perminutus* (Girault, 1915) | *Platococcus ficus* (Hemiptera: Pseudococcidae) | Quilici et al. 2003 |
|            |           | *Chryscharis bedius* (Walker, 1842) | *Liriomyza* spp. (Diptera: Agromyzidae) | Vayssières et al. 2001 |
|            | Entedoninae | *Chryscharis sp.* | *Liriomyza* spp. (Diptera: Agromyzidae) | Vayssières et al. 2001 |
|            |           | *Chrysosmya pachherrima* (Kerrich, 1970) | *Procontarinia mattacana* (Diptera: Cecidomyiidae) | Quilici et al. 2003 |
|            |           | *Neochrysocharis formosus* (Westwood, 1833) | *Liriomyza* spp. (Diptera: Agromyzidae) | Vayssières et al. 2001 |
|            |           | *Neochrysocharis sp.* | *Liriomyza* spp. (Diptera: Agromyzidae) | Vayssières et al. 2001 |
|            |           | *Platocharis coffeae* (Ferrière, 1936) | *Leucoptera* spp. (Lepidoptera: Lyonetiidae) | Ferrière 1936 |
|            | Eulophinae | *Cirsoilus cinctiventris* (Ferrière, 1936) | *Leucoptera* spp. (Lepidoptera: Lyonetiidae) | Quilici et al. 2003 |
|            |           | *Cirsoilus crouei* (Kerrich, 1969) | *Phyllocoptes citrella* (Lepidoptera: Gracillaridae) | Quilici et al. 2003 |
|            |           | *Elachertus insularis* (Risbec, 1957) | Unknown | Risbec 1957 |
|            |           | *Elasmus masii* Ferrière, 1929 | (Hyper)Parasitoid of Lepidoptera | Risbec 1957 |
|            |           | *Euplectrus belourensis* Risbec, 1957 | *Leucoptera* | Risbec 1957 |
|            |           | *Hamonia reunionensis* (Risbec, 1957) | Unknown | Risbec 1957 |
|            |           | *Hamonia secundata* (Risbec, 1957) | Unknown | Risbec 1957 |
|            |           | *Hamonia sylvatica* (Risbec, 1957) | Unknown | Risbec 1957 |
|            |           | *Hemiptarsenus varicornis* Girault, 1913 | *Liriomyza* spp. (Diptera: Agromyzidae) | Vayssières et al. 2001 |
|            |           | *Notanisomorphella borborica* (Giard, 1903) | *Leucoptera* spp. (Lepidoptera: Lyonetiidae) | Quilici et al. 2003 |
|            |           | *Stenomeius belouvi* (Risbec, 1957) | Unknown | Risbec 1957 |
|            |           | *Stenomeius masii* (Risbec, 1957) | Unknown | Risbec 1957 |
|            | Tetrastichinae | *Aprostocetus ceroplastae* (Girault, 1916) | *Ceroplastes destructor* (Hemiptera, Coccidae) | Quilici et al. 2003 |
|            |           | *Aprostocetus toddalae* (Risbec, 1958) | *Ceroplastes ruscii* (Hemiptera, Coccidae) | Quilici et al. 2003 |
|            |           | *Gyrolasia hellburgi* (Risbec, 1957) | Unknown | Risbec 1957 |
|            |           | *Nesolynx phaeosoma* (Waterston, 1915) | *Epichnemia beharella* (Lepidoptera: Pyralidae) | Quilici et al. 2003 |
| Family          | Subfamily | Genus / Species                  | General host information                        | Recorded from |
|-----------------|-----------|----------------------------------|-------------------------------------------------|---------------|
| **EULOPHIDAE**  | **Tetrastichinae** | *Oomyzus sokolowskii* (Kurdjumov, 1912) | *Plutella xylostella* (Lepidoptera: Plutellidae) | Vayssières et al. 2001 |
|                 |           | *Quadrastichus erythrinae* (Kim, 2004) | *Erythrina* (Fabales: Fabaceae) | Kim et al. 2004 |
|                 |           | *Tamaraxia dryi* (Waterston, 1922) | *Psyllidae* (Hemiptera) | Etienne and Aubert 1980 |
|                 |           | *Tamaraxia radiata* (Waterston, 1922) | *Psyllidae* (Hemiptera) | Aubert et al. 1979 |
|                 |           | *Tetrastichus giffardianus* (Silvestri, 1915) | *Tephritidae* (Diptera) | Vayssières et al. 2001 |
|                 |           | *Tetrastichus gyrolasiaeformis* (Risbec, 1957) | Unknown | Risbec 1957 |
|                 |           | *Tetrastichus sesamiae* (Risbec, 1951) | *Lepidoptera* | Risbec 1957 |
| **EUPELMIDAE**  | **Eupelminae** | *Eupelmus sp.* | Extremely polyphagous | Vayssières et al. 2001 |
| **EURYTOMIDAE** | **Eurytominae** | *Eurytoma ivohibei* (Risbec, 1957) | Unknown | Risbec 1957 |
|                 |           | *Eurytoma reunionensis* (Risbec, 1957) | Unknown | Risbec 1957 |
| **ORMYRIDAE**   |           | *Ormyrus australis* Westwood, 1832 | Unknown | Risbec 1957 |
| **PTEROMALIDAE**| **Eunotinae** | *Mesopeltita truncatipennis* (Waterston, 1917) | *Coccidae* (Hemiptera) | Quilici et al. 2003 |
|                 |           | *Moranila californica* (Howard, 1881) | *Saissetia oleae, Ceroplastes floridensis* (Hemiptera, Coccidae) | Quilici et al. 2003 |
|                 | **Miscogasterinae** | *Halicotoptera sp.* | *Melanagromyza phaseoli, Liriomyza spp.* (Diptera: Agromyzidae) | Vayssières et al. 2001 |
|                 | **Pteromalinae** | *Muscidifurax raptor* (Girault & Sanders, 1910) | *Muscidae* (Diptera) | Quilici et al. 2003 |
|                 |           | *Muscidifurax uniraptor* (Kogan & Legner, 1970) | *Muscidae* (Diptera) | Quilici et al. 2003 |
|                 |           | *Pachyneuron sp.* | Extremely polyphagous | Vayssières et al. 2001 |
|                 |           | *Pachyneuron longiradius* (Silvestri, 1915) | *Coccinellidae* (Coleoptera) | Delvare unpublished |
|                 |           | *Ploskana tenuis* (Boucek, 1976) | *Tephritidae* (Diptera) | Vayssières et al. 2001 |
| Family       | Subfamily | Genus / Species | General host information                              | Recorded from          |
|--------------|-----------|-----------------|-------------------------------------------------------|------------------------|
| PTEROMALIDAE | Pteromalinae | *Pteromalus* sp. | Extremely polyphagous                                 | Vayssières et al. 2001 |
|              |           | *Spodophagus lepidopterae* (Risbec, 1952) | Noctuidae (Lepidoptera)                                | van Noort 2013         |
|              |           | *Trichomalopsis* sp. | Muscidae (Diptera)                                    | Vayssières et al. 2001 |
|              | Spalangiinae | *Spalangia endius* (Walker, 1839) | *Musca domestica* (Diptera: *Muscidae*), *Dacus ciliatus* (Diptera: *Tephritidae*) | Vayssières et al. 2001 |
|              |           | *Spalangia gemina* Boucek, 1963 | Muscidae, Tephritidae                                   | Vayssières et al. 2001 |
|              |           | *Spalangia seyrigi* (Risbec, 1952) | *Dacus ciliatus* (Diptera: Tephritidae)                | Vayssières et al. 2001 |
|              | Sycoecinae | *Seres bouceki* (Wiebes, 1981) | *Ficus reflexa reflexa* (Moraceae)                    | Wiebes 1981            |
|              | Sycoryctinae | *Apocrypta perplexa* Coquerel, 1855 | *Ficus mauritiana* (Moraceae)                         | Coquerel 1855          |
|              |           | *Sycoryctes anceps* Wiebes, 1981 | *Ficus densifolia* (Moraceae)                         | Wiebes 1981            |
|              |           | *Sycoryctes caelebs* Wiebes, 1975 | *Ficus densifolia* (Moraceae)                         | Wiebes 1975            |
|              |           | *Sycoryctes comparabilis* Wiebes, 1981 | *Ficus densifolia* (Moraceae)                     | Wiebes 1981            |
|              |           | *Sycoryctes remus* Wiebes, 1981 | *Ficus reflexa reflexa* (Moraceae)                    | Bouček et al. 1981     |
|              |           | *Sycoscpater gibbus* Saunders, 1883 | *Ficus politoria* and *Ficus lateriflora* (Moraceae) | Saunders 1883          |
|              |           | *Sycoscpater tibialis* Wiebes, 1981 | *Ficus rubra* (Moraceae)                              | Wiebes 1981            |
|              |           | *Philotrypesis cnephae* Wiebes, 1981 | *Ficus reflexa reflexa* (Moraceae)                    | Wiebes 1981            |
|              |           | *Watshamiella fictitia* Wiebes, 1981 | *Ficus rubra* (Moraceae)                              | Wiebes 1981            |
|              |           | *Watshamiella lucens* Wiebes, 1981 | *Ficus densifolia* (Moraceae)                         | Wiebes 1981            |
|              | Signiphoridae | – | Chartocerus sp. | Coccinellidae (Coleoptera)                          | Delvare unpublished    |
| TORYMIDAE    | Megastiginae | *Megastigmus transvaalensis* (Hussey, 1956) | Anacardiaceae (Sapindales)                           | Habeck et al. 1989     |
|             | Trichogrammatidae | *Trichogramma chilonis* (Ishii, 1941) | *Plutella xylostella* (Lepidoptera: Plutellidae)    | Vayssières et al. 2001 |
Superfamily: CYNIPOIDEA
Family: FIGITIDAE
Subfamily: Charipinae

Genus: *Phaenoglyphis* Förster, 1869
*Phaenoglyphis villosa* (Hartig, 1841)
  Recorded from: Evenhuis and Barbotin 1977
  Host information: *Aphis nerii* (Hemiptera, Aphididae) (Evenhuis and Barbotin 1977), Hyperparasitoid of Aphididae (Hemiptera) via Aphidiinae (Hymenoptera, Braconidae) (Pujade-villar et al. 2007)

Subfamily: Eucoilinae

Genus: *Aganaspis* Lin, 1987
*Aganaspis daci* (Weld, 1951)
  Recorded from: Etienne 1975
  Host information: *Bactrocera dorsalis* (Clausen et al. 1965), *Anastrepha suspensa* (Nuñez-Bueno 1982), *Ceratitis capitata* and *Ceratitis rosa* (Diptera, Tephritidae) (Etienne 1975)

Genus: *Leptopilina* Förster, 1869
*Leptopilina freyae* Allemand & Nordlander, 2003
  Recorded from: Allemand et al. 2003
  Host information: *Drosophila* ssp. (Diptera, Drosophilidae) (Allemand et al. 2003)

*Leptopilina guineanensis* Allemand & Nordlander, 2003
  Recorded from: Allemand et al. 2003
  Host information: *Drosophila* ssp. (Diptera, Drosophilidae) (Allemand et al. 2003)

*Leptopilina orientalis* Allemand & Nordlander, 2003
  Recorded from: Allemand et al. 2003
  Host information: *Drosophila* ssp. (Diptera, Drosophilidae) (Allemand et al. 2003)

*Leptopilina victoriae* Nordlander, 1980
  Recorded from: Allemand et al. 2003
  Host information: *Drosophila* ssp. (Diptera, Drosophilidae) (Allemand et al. 2003)

Genus: *Rhoptromeris* Förster, 1869
*Rhoptromeris bupalus* Quinlan, 1986
  Recorded from: Quinlan 1986
  Host information: Parasitoid of Chloropidae (Diptera) on grass and fungi (van Noort et al. 2015)
Rhoptromeris crito Quinlan, 1986
   Recorded from: Quinlan 1986, Madl and van Achterberg 2014
   Host information: Parasitoid of Chloropidae (Diptera) on grass and fungi (van Noort et al. 2015)

Superfamily: CHRYSIDOIDEA
Family: BETHYLIDAE
Subfamily: Bethylinae

Genus: Goniozus Förster, 1856
Goniozus indicus (Ashmead, 1903)
   Recorded from: Polaszek et al. 1994
   Host information: Maliarpha separatiella (Lepidoptera, Pyralidae), Cryptophlebia leucotreta, Cryptophlebia peltastica, Cryptophlebia semilunana, Eccopsis praecedens, Strepsicrates rhostia (Lepidoptera, Olethreutidae) (Azevedo et al. 2010)

Family: CHRYSIDIDAE
Subfamily: Amiseginae

Genus: Senesega Kimsey, 2005
Senesega attiei Kimsey, 2005
   Recorded from: Kimsey 2005
   Host information: Probably parasitoid of Phasmatodea (Kimsey 2005)

Subfamily: Chrysidinae

Genus: Chrysis Linnaeus, 1761
Chrysis gheudei Guérin-Méneville, 1842
   Recorded from: Azevedo et al. 2010. The record from Reunion is probably a misidentification of Chrysis lineea Fabricius 1775 (Azevedo et al. 2010)
   Host information: Delta reginum (Hymenoptera, Vespidae, Eumeninae) and Sceliphron fuscum (Hymenoptera, Sphecidae) (Azevedo et al. 2010)

Genus: Praestochrysis Linsenmaier, 1959
Praestochrysis lusca (Fabricius, 1804)
   Recorded from: Bordage 1912
   Host information: Chalybion madecassum, Sceliphron fuscum (Hymenoptera, Sphecidae) (Azevedo et al. 2010)
Family: DRYINIDAE
Subfamily: Anteoninae

Genus: *Anteon* Jurine, 1807
*Anteon reunionense* Olmi, 1987
  Recorded from: Olmi 1987
  Host information: Unknown. But Dryinidae (including *Anteon*) are parasitoids of Homoptera auchenorrhyncha and commonly called “Cicada wasps” (Azevedo et al. 2010)

Subfamily: Gonatopodinae

Genus: *Gonatopus* Ljungh, 1810
*Gonatopus similis* Brues, 1906
  Recorded from: Olmi 1987a
  Host information: *Dicranotropis muiri, Perkinsiella saccharicida* (Hemiptera, Delphacidae) (Azevedo et al. 2010)

Superfamily: PLATYGASTROIDEA
Family: PLATYGASTRIDAE
Subfamily: Platygastrinae

Genus: *Leptacis* Förster, 1856
*Leptacis risbeci* Masner, 1960
  Recorded from: Masner 1960, Madl 2016
  Host information: Parasitoids of Cecidomyiidae (Diptera) (Buhl 2011)

Genus: *Synopeas* Förster, 1856
*Synopeas pauliani* (Risbec, 1957)
  Recorded from: Risbec 1957, Masner 1960
  Host information: Parasitoids of Cecidomyiidae (Diptera) (Buhl 2011)

Family: SCELIOLIDAE
Subfamily: Scelioninae

Genus: *Macroteleia* Westwood, 1935
*Macroteleia insularis* (Risbec, 1957)
  Recorded from: Risbec 1957
  Host information: Unknown
Genus: *Styloteleia* Kieffer, 1916
*Styloteleia gibbosa* Risbec, 1957
  Recorded from: Risbec 1957
  Host information: Unknown

Subfamily: Telenominae

Genus: *Telenomus* Haliday, 1833
*Telenomus busseolae* Gahan, 1922
  Recorded from: Rao and Nagaraja 1969
  Host information: Parasitizes eggs of *Busseola fusca*, *Sesamia calamistis* and *Sesamia cretica* (Lepidoptera, Pyralidae) (Samin and Asgari 2012)

Superfamily: DIAPRIOIDEA
Family: DIAPRIIDAE
Subfamily: Diapriinae

Genus: *Trichopria* Ashmead, 1893
*Trichopria belouvi* (Risbec, 1957)
  Recorded from: Risbec 1957, Notton 2004, Madl 2015
  Host information: Unknown. But *Trichopria* are parasitoids of Tachinidae (Diptera) (Rajmohana 2006) and Tephritidae (Diptera) (Vayssières et al. 2001)

*Trichopria inconspicua* (Kieffer, 1905)
  Recorded from: Huggert 1977, Madl 2015
  Host information: Unknown. But *Trichopria* are parasitoids of Tachinidae (Diptera) (Rajmohana 2006) and Tephritidae (Diptera) (Vayssières et al. 2001)

*Trichopria jeanneli* Notton, 2004
  Recorded from: Risbec 1957, Madl 2015
  Host information: Unknown. But *Trichopria* are parasitoids of Tachinidae (Diptera) (Rajmohana 2006) and Tephritidae (Diptera) (Vayssières et al. 2001)

*Trichopria scotti* (Kieffer, 1912)
  Recorded from: Risbec 1957
  Host information: Unknown. But *Trichopria* are parasitoids of Tachinidae (Diptera) (Rajmohana 2006) and Tephritidae (Diptera) (Vayssières et al. 2001)
Trichopria variabilis (Risbec, 1950)
  Recorded from: Risbec 1957, Madl 2015
  Host information: Unknown. But Trichopria are parasitoids of Tachinidae (Diptera) (Rajmohana 2006) and Tephritidae (Diptera) (Vayssières et al. 2001)

Superfamily: CERAPHRONOIDEA
Family: CERAPHRONIDAE

Genus: Aphanogmus Thomson, 1858
Aphanogmus fijiensis (Ferrière, 1933)
  Recorded from: Polaszek and LaSalle 1995, Madl 2015
  Host information: Cotesia sesamiae (Hymenoptera, Braconidae) (Polaszek and La-Salle 1995)

Genus: Ceraphron Jurine, 1807
Ceraphron amphimelas Dessart, 1989
  Recorded from: Dessart 1989, Madl 2015
  Host information: Hemiptera, Diaspididae (Dessart 1989)

Family: MEGASPILIDAE

Subfamily: Megaspilinae
Genus: Dendrocerus Ratzeburg, 1852
Dendrocerus wollastoni (Dodd, 1920)
  Recorded from: Dessart 1984, Madl 2015
  Host information: Neuroptera, Chrysopidae (Dessart 1984). In 2013 Dendrocerus wollastoni emerged from a specimen of Rodolia chermesina (Coleoptera, Coc-cinellidae) in Reunion Island (Delvare 2013, unpublished data)

Dendrocerus sp.
  Recorded from: Delvare G. unpublished determination (2013)
  Host information: Cf. Dendrocerus wollastoni.
Superfamily: EVANIOIDEA
Family: EVANIIDAE

Genus: *Evania* Fabricius, 1775
*Evania appendigaster* (Linnaeus, 1758)
Recorded from: Madl and Ganeshan 2008
Host information: Oviposits within the oothecae of *Periplaneta americana* and possibly that of *Periplaneta australasiae* and *Rhyparobia maderae* (Dictyoptera, Blattidae) (Madl and Ganeshan 2008)

Genus: *Prosevania* Kieffer, 1911
*Prosevania erythrosoma* (Schletterer, 1886)
Recorded from: Recorded from Rodrigues and Mauritious, but not yet from Reunion Island (Madl and Ganeshan 2008)
Host information: Oviposits within the oothecae of *Blatta orientalis* (Dictyoptera, Blattidae) (Madl and Ganeshan 2008)

Table 3. List of the Cynipoidea, Chrysidoidea, Platygastroidea, Diaprioidea, Ceraphronoidea and Evanioidea recorded from Reunion Island.

| Superfamily | Family | Subfamily | Genus / Species                      | General host information                  | Recorded from                                      |
|-------------|--------|-----------|-------------------------------------|-------------------------------------------|----------------------------------------------------|
| CYNIOIDEA   | FIGITIDAE | Eucoilinae | *Aganaspis daci* (Weld, 1951)       | Tephritidae (Diptera)                      | Etienne 1975                                       |
|             |         |           | *Leptopilina freyae* Allemand & Nordlander, 2003 | *Drosophila* ssp.                         | Allemand et al. 2003                               |
|             |         |           | *Leptopilina guineanensis* Allemand & Nordlander, 2003 | *Drosophila* ssp.                         | Allemand et al. 2003                               |
|             |         |           | *Leptopilina orientalis* Allemand & Nordlander, 2003 | *Drosophila* ssp.                         | Allemand et al. 2003                               |
|             |         |           | *Leptopilina victoriae* Nordlander, 1980 | *Drosophila* ssp.                         | Allemand et al. 2003                               |
|             |         |           | *Rhoptromeris bupalus* Quinlan, 1986 | Chloropidae (Diptera)                      | Quinlan 1986                                       |
|             |         |           | *Rhoptromeris cri*o* Quinlan, 1986 | Chloropidae (Diptera)                      | Quinlan 1986; Madl and Achterberg 2014             |
| CHRYSIOIDEA | BETHYLDIAE | Bethylinae | *Goniozus indicus* (Ashmead, 1903)  | Pyralidae, Olerthreutidae (Lepidoptera)   | Polaszek et al. 1994                               |
|             | CHRYSIDAE | Amiseginae | *Seneoga attiei* (Kimsey, 2005)     | Phasmatodea                               | Kimsey 2005                                        |
|             |         | Chrysidinae | *Chrys gheudei* [1] Guérin-Méneville, 1842 | Vespidae and Sphecidae (Hymenoptera)       | Azevedo et al. 2010                                 |
| Superfamily | Family       | Subfamily | Genus / Species            | General host information                                      | Recorded from               |
|-------------|--------------|-----------|---------------------------|----------------------------------------------------------------|----------------------------|
| CHRYSIDIDA | Chrysidinae  |           | Praetochrysis lucas        | Chalybion madecassum                                          | Bordage 1912                |
|             |              |           | (Fabricius, 1804)          | Sceliphron fuscum (Hymenoptera: Apoidea: Sphecidae)            |                            |
| DRYNIDAE    | Anteoniniae  |           | Anteon reunione           | Cicadellidae (Hemiptera)                                      | Olmi 1987                   |
|             |              |           | e (Olmi, 1987)            | Dicranotropis muiri, Perkinsiella saccharicina (Hemiptera: Delphaciidae) |                            |
|             | Gonato-      |           | Gonatopus similis Brues   |                                                                  | Olmi 1987a                  |
|             | podinae      |           | 1906                      |                                                                  |                            |
| PLATYGASTR | Platyga-      |           | Leptacis risbeci (Masner  | Cecidomyiidae (Diptera)                                       | van Noort 2013              |
| DEA        | strinae      |           | 1960)                    |                                                                  |                            |
|             |              |           | Synopea paulianni (Risbec | Cecidomyiidae (Diptera)                                       | Risbec 1957                 |
|             |              |           | 1957)                    |                                                                  |                            |
| SCELIONID | Scelioniae   |           | Macroteleia insularis     | Unknown                                                          | Risbec 1957                 |
|             |              |           | (Risbec, 1957)            |                                                                  |                            |
|             | Telenominae  |           | Telenomus buseolae Gahan  | Pyralidae (Lepidoptera)                                       | Rao and Nagara 1969         |
|             |              |           | 1922)                    |                                                                  |                            |
| DIAPRIIDAE  | Diapriinae   |           | Trichopria belouvi        | Tachinidae, Tephritidae (Diptera)                             | Risbec 1957; Notton 2004; Madl 2015 |
|             |              |           | (Risbec, 1957)            |                                                                  |                            |
|             |              |           | Trichopria inconstipucia  | Tachinidae, Tephritidae (Diptera)                             | Huggert 1977; Madl 2015     |
|             |              |           | (Kieffer, 1905)           |                                                                  |                            |
|             |              |           | Trichopria jeanneli       | Tachinidae, Tephritidae (Diptera)                             | Risbec 1957; Madl 2015      |
|             |              |           | Notton, 2004              |                                                                  |                            |
|             |              |           | Trichopria scotti         | Tachinidae, Tephritidae (Diptera)                             | Risbec 1957                 |
|             |              |           | (Kieffer, 1912)           |                                                                  |                            |
|             |              |           | Trichopria variabilis     | Tachinidae, Tephritidae (Diptera)                             | Risbec 1957                 |
|             |              |           | (Risbec, 1950)            |                                                                  |                            |
| CERAPHONID | -            |           | Aphanogmus fijiensis      | Cotesia sesameiai (Braconidae)                                | Polaszek and LaSalle 1995; Madl 2015 |
|             |              |           | (Ferrière, 1933)          |                                                                  |                            |
|             | Ceraphron    | -         | Ceraphron amphimelae      | Hemiptera: Diaspididae                                         | Dessart 1984; Madl 2015     |
|             | amphimelae   |           | (Dessart 1989)            |                                                                  |                            |
| MEGASPILOD | Dendrocerus  | -         | Dendrocerus vallatoni     | Coccinellidae (Coleoptera)                                    | Delvare unpublished         |
| DEA        | sp.          |           | (Dodd, 1920)              |                                                                  |                            |
|             |              |           | Dendrocerus sp.           | Coccinellidae (Coleoptera)                                    | Delvare unpublished         |
| EVANIIDAE  | -            |           | Evania appengaster        | Blattidae (Blattodea)                                         | Madl and Ganeshan 2008      |
|            |              |           | (Linnaeus, 1758)          |                                                                  |                            |
|             | Prosevania   | [2]       | Prosevania erythrosoma    | Blatta orientalis (Blattodea: Blattidae)                       | Madl and Ganeshan 2008      |
|             | erythrosoma  | (Schletterer, 1886)     | (Blattodea: Blattidae)                                         |                            |

[1] Probably a misidentification of Chrysis lincea (Azevedo et al. 2010)
[2] Recorded from Rodrigues and Mauritius, not (yet) from Reunion Island
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