



Checklist of Chalcidoidea and Mymarommatidae (Hymenoptera) of Canada, Alaska and Greenland

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Abstract

A checklist of 1246 extant, described species, classified in 346 genera in 18 families of Chalcidoidea (Hymenoptera) are reported from Canada, Alaska (USA) and Greenland (Denmark) based on examined specimens and published records up to December 31, 2020. Of the reported species, 1214 (in 345 genera in 18 families) are listed from Canada, 113 (in 58 genera in 10 families) from Alaska, and 26 (in 22 genera in 4 families) from Greenland. The list includes 235 new species records and 53 new generic records for Canada (no new family records). Forty-one new species records, 22 new generic records and the families Chalcididae and Eurytomidae are newly reported for Alaska. No new records were found for Greenland. Two species (in one genus) of Mymarommatidae are reported from Canada. For each species in Canada, distribution is tabulated by province or territory, except the province of Newfoundland and Labrador is divided into the island of Newfoundland and the region of Labrador. The inclusion of known species from Alaska and Greenland results in the first comprehensive distributional checklist for

the entire northern part of the Nearctic region. A brief review of the history of cataloguing Chalcidoidea in North America and a comparison of this checklist with four published checklists from the Palaearctic region is provided.

Keywords

Microhymenoptera, Nearctic region, northern North America, species distributions

Introduction

The superfamily Chalcidoidea is one of the most diverse groups of organisms on the planet (Figs 2–13). More than 22,700 species are described (Huber 2017), but Heraty et al. (2013) estimated that there might be up to 500,000 species worldwide. Most chalcidoids, for which the biology is known, are parasitoids, having been reared from a wide variety (12 orders) of Insecta, and also 2 orders of Arachnida and the family An-quinidae (Nematoda) (Gibson 1993). A few are predators and some are phytophagous. For more comprehensive information on the biology of Chalcidoidea see, e.g., Clausen (1940), Askew (1971), Bendel-Janssen (1977), Gordh (1979a), Gauld and Bolton (1988), Hanson and Gauld (1995), Noyes (2019). In addition to Chalcidoidea, the small superfamily Mymarommatoidae is also included in this paper because it is generally considered to be the sister group to Chalcidoidea (Gibson et al. 2007; Huber et al. 2008; Heraty et al. 2013). The biology of Mymarommatoidae is unknown, except that one has been reared from a bracket fungus and most are collected in shady, moist areas such as deciduous forests (Huber et al. 2008).

The first published cataloguing efforts for Chalcidoidea of the Nearctic region began with Peck (1951), with supplements by Burks (1958, 1967b). Peck (1963) catalogued the literature for each species up to and including 1958. The families comprising the Chalcidoidea section in Krombein et al. (1979) were catalogued by B. Burks, G. Gordh, and E. Grissell, former chalcidologists at United States National Museum of Natural History, Washington, DC (USNM), and included the relevant taxonomic literature to the end of 1972 or 1976 depending on the family. These catalogues also included species and records from Greenland. In his acclaimed Universal Chalcidoidea Database (UCD) for world Chalcidoidea, Noyes (2019) included the data from these previous catalogues. His database is now the only comprehensive compilation of taxonomic, biological, distributional and literature source information for world Chalcidoidea for the past 40–50 years, though it has not been updated since March 2019. Among other searches, it can be used to generate numbers and lists of Chalcidoidea names for any biogeographical region or country, and political subdivision within larger countries. Building on the information contained in the UCD, it is the purpose of this paper to provide the first checklist of the Chalcidoidea and Mymarommatoidae of Canada, Alaska and Greenland incorporating previously published, substantiated records as well as new records based on authoritatively identified specimens.

Methods

Sources of data

All records are substantiated by evidence, either collection- or literature-based. The vast majority of records in this checklist are based on specimens in the Canadian National Collection of Insects, Arachnids and Nematodes, Ottawa (**CNC**). Additional distributional records, for which specimens could not be examined, were obtained by mining previous literature. Because of the relatively poor knowledge of Chalcidoidea, regional collections were generally not consulted because of the immense amount of work required to identify and curate most specimens in these collections. However, a few records were based on examination of specimens (or their photographs) deposited in other collections, as follows: Royal Alberta Museum, Edmonton, Alberta, Canada (**PMAE**: M. Buck); Royal Ontario Museum, Toronto, Ontario, Canada (**ROM**: C. Darling); Royal Saskatchewan Museum, Regina, Saskatchewan, Canada (**RSM**: C. Sheffield), University of Alaska, Fairbanks, Alaska, USA (**UAM**: D. Sikes). Whereas most records are Canadian, records from Alaska (USA), Greenland (Denmark) and the 242 km² French Overseas Collectivity of Saint Pierre and Miquelon islands located 25 km from the southern coast of Newfoundland are also included so as to provide complete coverage of the northern part of the Nearctic region. Most of the Alaska species records (74 of 113) were based on specimens in collections (CNC and UAM). The remainder were literature records, primarily from the chapters in Krombein et al. (1979), which mostly catalogued specimens in the USNM. The Greenland records were taken almost exclusively from the relevant chapters in Böcher et al. (2015) with some records substantiated by specimens in the CNC. The single species recorded from Saint Pierre and Miquelon was obtained from the TAXREF database (Gargominy et al. 2020) managed by the Muséum national d'Histoire naturelle, Paris, but specimens were not examined and this species is only discussed in the text, not included in Table 2. Because of relatively poor sampling of the chalcidoids of these last three regions, it is likely that the current survey is not as complete for them as it is for Canada. All records published up to December 31, 2020 were evaluated for the current checklist.

We exclude from the checklist the very few fossil species of Chalcidoidea described from Canadian Cretaceous amber; all are now classified in Mymaridae (Poinar and Huber 2011) and Rotoitidae (Gumovsky et al. 2018). Further, species introduced into Canada from other countries for biological control against introduced pests are included only if there is irrefutable evidence that they became established after release. Often, no follow up surveys were undertaken to determine if the species released had established and so their continued presence is unsubstantiated. Because there is no single compilation of intentionally released species, one must search for their names in the five volumes on biological control in Canada: McLeod et al. (1962), Kelleher et al. (1971), Kelleher and Hume (1984), Mason and Huber (2002) and Mason and Gillespie (2012). At least 18 species are or were commercially produced in Canada (Mason and Huber 2002), 14 of which are included in the checklist. The other four species, *Aphytis melinus* DeBach, *Eretmocerus californicus* Howard, *Metaphycus helvolus* (Compere) and

Trichogrammatoidea bactrae Nagaraja, occur in the southern states of USA or outside the Nearctic region on pests of crops not, or not extensively, grown commercially in Canada so are most unlikely to be found there. Some of the commercially produced species may establish more or less permanent populations in areas where they are released, often in large numbers at intervals (usually in greenhouses) or may occur naturally outside the facilities that produce them. We do not include any records in Table 2 that are solely known from websites such as iNaturalist, BugGuide or online databases of specimens in museums because for Chalcidoidea, examination of specimens with reference to authoritatively identified material is generally required. Finally, we only include described species, not undescribed taxa or specimens identified only to genus.

Presentation of data

Distributions of taxa are indicated using acronyms of 18, mostly political, regions of northern (mostly north of 45° latitude) North America. For practical purposes the province of Newfoundland and Labrador is divided into the island of Newfoundland and the region of Labrador on mainland Canada. The acronyms used for the regions are: **CAN** = Canada, **AK** = Alaska (USA), **GL** = Greenland, **SPM** = Saint Pierre and Miquelon. Within Canada, the regions are: **AB** = Alberta, **BC** = British Columbia, **LB** = Labrador, **MB** = Manitoba, **NB** = New Brunswick, **NF** = Newfoundland island, **NS** = Nova Scotia, **NT** = Northwest Territories, **NU** = Nunavut, **ON** = Ontario, **PE** = Prince Edward Island, **QC** = Quebec, **SK** = Saskatchewan, **YT** = Yukon Territory. All regions are shown in Fig. 1. The distributional data are presented in two ways. Table 1 is a summary of the numbers of described, recorded species of Chalcidoidea and Mymarommatoidae in Canada, Alaska and Greenland (not including Saint Pierre and Miquelon) totalled for each family for all 17 regions. Table 2 is the species checklist arranged alphabetically by family for the same 17 regions. It contains three types of distributional records: 1) a published record for which we have examined a specimen; 2) a new (unpublished) record for which we have examined a specimen; and 3) a published record for which we have not examined a specimen, but is well-substantiated (see Assessing credibility of records section in Bennett 2021a). The different types of records are indicated by different fonts and colours in Table 2 (see Table heading). The absence of a provincial or territorial acronym for a species recorded from Canada indicates that the taxon was recorded from Canada but no province was specified. Literature references (shown in the far right column of Table 2) are only noted for previously published records for which no specimens were examined. Authors' names that have been spelled in different ways, such as with or without diacritic marks, are spelled in only one way for consistency, for example, Förster, not Foerster. Literature references for published records for which specimens were examined are not provided as this would dramatically increase the size of the study and make it practically impossible to present the distributional data in a table format. We do provide an extensive, but by no means comprehensive, list of references for higher taxa, e.g., revisions of genera and regional checklists, which are cited directly under the higher taxon names in Table 2. Our list is not a catalogue so synonyms and homonyms are generally excluded;

these can be found in UCD. In addition to the published checklist, the data presented in Table 2 have been added to Canadensys (<https://data.canadensys.net/ipt/resource?r=aafc-hymenoptera-canada-ak-gl>) and are also registered on GBIF (Bennett 2021b).

Classification

The family classification in Chalcidoidea has been extremely volatile, varying from 1 to 23 recognized families (see Grissell and Schauff 1997), with changes even in the last few years and more changes likely in the future. We mainly follow the family classification in Heraty et al. (2013) in which 22 families were recognized, except we also recognize the family Megastigmidae, which was raised from subfamily status within Torymidae by Janšta et al. (2018). Five extant families, the Agaonidae, Cynipencyrtidae, Eriaporidae, Rotoitidae, and Tanaostigmatidae do not occur in northern North America. Species of Agaonidae are associated exclusively with figs (*Ficus* spp.), which do not naturally occur in Canada, Cynipencyrtidae consists of one genus and species in Asia, Eriaporidae occur only in the Old World, the two described species of Rotoitidae occur only in Chile and New Zealand, and species of Tanaostigmatidae occur in the New World only as far north as the southern states of USA.

Results and discussion

A total of 1246 described, extant species of Chalcidoidea in 346 genera in 18 families are listed for Canada, Alaska and Greenland (Tables 1 and 2). Of these, 1214 species, classified in 345 genera in 18 families, are listed from Canada. To place the current number of species in perspective, it represents a 149% increase from the 500 species reported in Danks (1979). In terms of relative species richness within Hymenoptera, Chalcidoidea species comprise 13.5% of the 9250 species recorded in northern North America and 13.6% of the 8933 recorded in Canada (Bennett 2021a). Yet in comparison to other areas of the world the number of Chalcidoidea is relatively low. Gijswit (2003) recorded 1085 species of Chalcidoidea for The Netherlands, Weber et al. (2018) 1964 species (and likely about 380 more) for Germany, Dale-Skey et al. (2016) 1754 species for Great Britain and Ireland, and Belokobylskij et al. (2019) 2307 species for Russia, other countries that have recently published checklists for Chalcidoidea. Britain and Ireland together ($313,100 \text{ km}^2$) are only about 3.2% the size of Canada (9.985 million km^2), but despite this, the 1754 species recorded from there is almost 1.5 times greater than all the species we record from Canada. Canada and Russia have a much greater variety of ecozones and habitats than does Britain and Ireland, which have little or no tundra, temperate rain forest, grassland or semi-desert. While the colder climate over much of Canada contributes to the apparently depauperate fauna this is not the main reason. Lack of collecting as well as lack of study of what has been collected, in groups other than those of research interest to the few taxonomists who study Chalcidoidea in Canada, is probably the main factor contributing to poor knowledge of species and their distributions.

Table 1. Described, recorded species of Chalcidoidea and Mymarommoidea in Canada, Alaska and Greenland totalled for each taxon and in each region. See Methods for acronyms used for the regions and Fig. 1 for their locations. Regions are arranged generally north to south and west to east.

TAXON	CAN+ AK+GL	CAN(New)	AK	YT	NT	NU	BC	AB	SK	MB	ON	QC	NB	PE	NS	LB	NF	GL
Aphelinidae	38	38 (12)	0	0	0	0	11	9	6	5	27	20	8	1	8	0	1	0
Azotidae	1	1 (0)	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Chalcididae	39	39 (7)	3	2	1	0	13	9	14	16	29	17	5	1	2	0	1	0
Encyrtidae	110	100 (23)	4	2	3	1	33	23	16	14	69	35	23	5	22	1	5	10
Eucharitidae	8	8 (0)	1	1	1	0	4	7	3	2	6	3	3	2	1	0	0	0
Eulophidae	379	374 (62)	43	23	34	2	133	108	61	87	285	191	107	18	89	5	28	6
Eupelmidae	28	28 (7)	0	0	0	0	8	6	3	4	20	8	4	3	3	0	0	0
Eurytomidae	87	87 (15)	4	5	3	0	35	27	21	20	65	44	9	8	11	2	0	0
Leucospidae	1	1 (0)	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0
Megastigmidae	21	21 (5)	3	2	2	1	11	5	3	4	12	10	3	2	3	2	3	0
Myrmidae	96	94 (7)	12	5	8	0	29	19	4	9	67	46	10	10	18	0	1	1
Ormyridae	9	9 (3)	0	0	1	0	2	2	0	2	7	4	2	0	3	0	0	0
Perilampidae	20	20 (6)	0	2	0	0	8	9	8	3	14	13	5	4	5	0	0	0
Pteromalidae	309	295 (71)	36	22	20	3	111	98	57	58	186	136	64	21	49	3	16	9
Signiphoridae	1	1 (0)	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Tetracampidae	4	4 (0)	0	0	0	0	0	1	0	0	4	3	1	0	0	0	0	0
Torymidae	60	59 (17)	3	3	3	0	28	20	9	14	41	22	8	2	5	0	1	0
Trichogrammatidae	35	35 (0)	4	2	2	0	13	11	1	6	17	13	4	1	3	0	0	0
CHALCIDOIDEA	1246	1214 (235)	113	69	78	7	440	355	207	245	852	566	257	79	223	13	56	26
MYMAROMMATOIDAEA	2	2 (0)	0	0	0	0	0	0	0	0	2	1	1	0	0	0	0	0

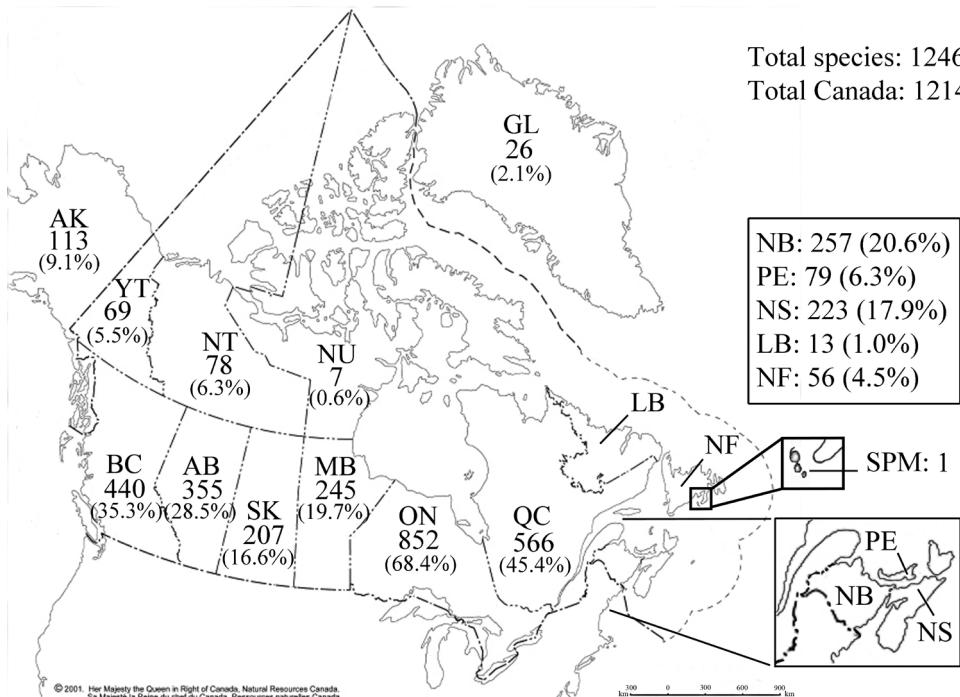


Figure 1. Map of Canada, Alaska, Greenland, and Saint Pierre and Miquelon showing number of described, recorded Chalcidoidea species and percentage of total species for each region. Canada is comprised of all regions except for Alaska, Greenland, and Saint Pierre and Miquelon. See the Presentation of data section under Methods for the acronyms of the regions treated in the checklist.

Table 2. Checklist of species of Chalcidoidea and Mymaromatoidea of Canada, Alaska and Greenland. See Methods for acronyms used for the regions. Distributional acronyms in black regular font are previously published and supported by an examined specimen. Red, boldface records are new (unpublished) records supported by an examined specimen. All specimens supporting boldfaced records are deposited in the CNC except if a depository acronym is noted in the far right column. Blue, italicized records are previously published but not validated by an examined specimen. Literature references are only noted for italicized records. For species with multiple italicized records based on multiple references, the references are listed in order from left to right, corresponding with the distributional records depicted from left to right, unless otherwise noted. An asterisk (*) denotes a record from Newfoundland for which it is uncertain whether it was from the island of Newfoundland or mainland Labrador.

ORDER HYMENOPTERA
SUPERFAMILY CHALCIDOIDEA

World families key – Gibson 1993; Nearctic families key – Grissell and Schaufuss 1997; Canadian families keys – Yoshimoto 1984; Nearctic generic keys – Gibson et al. 1997; Nearctic catalogue – Peck 1963, Burks 1979a–i, Gordh 1979a, Grissell 1979; Greenland fauna – Böcher et al. 2015.

FAMILY APHELINIDAE

Nearctic generic key – Woolley 1997a; Nearctic catalogue – Gordh 1979b (as part of Encyrtidae)

SUBFAMILY APHELININAE
Genus *Aphelinus* Dalman, 1820

Partial revision – Shirley et al. 2017

<i>A. abdominalis</i> (Dalman, 1820)	CAN	—	—	—	—	—	—	ON	—	—	NS	—	—
<i>A. annulipes</i> (Walker, 1851)	CAN	—	—	—	—	BC	—	—	—	—	—	—	—
<i>A. ayschis</i> Walker, 1839	CAN	—	—	—	—	AB	SK	MB	ON	QC	NB	—	NS
<i>A. chaonius</i> Walker, 1839	CAN	—	—	—	—	—	—	ON	—	NB	—	NS	—
<i>A. daucicola</i> Kurdjumov, 1913	CAN	—	—	—	—	BC	AB	—	ON	QC	—	—	—
<i>A. gosypii</i> Timberlake, 1924	CAN	—	—	—	—	—	—	QC	NB	—	—	—	—
<i>A. howardii</i> Dalla Torre, 1898	CAN	—	—	—	—	BC	AB	—	—	—	—	—	—
<i>A. jucundus</i> Gahan, 1924	CAN	—	—	—	—	—	—	ON	QC	—	—	—	Gordh 1979b
<i>A. mali</i> (Haldeman, 1851)	CAN	—	—	—	—	BC	AB	SK	MB	ON	QC	NB	—
<i>A. marlatti</i> (Ashmead, 1888)	CAN	—	—	—	—	—	—	ON	—	—	—	—	—
<i>A. niger</i> Girault, 1913	CAN	—	—	—	—	—	—	ON	—	—	—	—	—
<i>A. perpallidus</i> Gahan, 1924	CAN	—	—	—	—	—	—	ON	QC	—	—	—	Gordh 1979b
<i>A. prociphili</i> Carver, 1980	CAN	—	—	—	—	—	—	ON	QC	—	—	—	—
<i>A. sanborniae</i> Gahan, 1924	CAN	—	—	—	—	AB	—	ON	QC	—	—	—	—
<i>A. semiflavus</i> Howard, 1908	CAN	—	—	—	—	—	—	MB	ON	—	—	NS	—

A. varipes (Förster, 1840)

Genus *Aphytis* Howard, 1900

World revision – Rosen and DeBach 1979

<i>A. diaspidis</i> (Howard, 1881)	CAN	—	—	—	—	—	—	ON	QC	—	—	—	Jarvis 1908; Burden and Hart 1994
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A. mytilaspidis (Le Baron, 1870)

<i>A. mytilaspidis</i> (Le Baron, 1870)	CAN	—	—	—	—	BC	—	—	ON	QC	NB	—	Burden and Hart 1994; Peck 1963
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A. proclia (Walker, 1839)

Genus *Marietta* Motschulsky, 1863

World key – Hayat 1986

<i>M. mexicana</i> (Howard, 1895)	CAN	—	—	—	—	—	—	QC	—	—	—	—	Martel and Sharma 1968
<i>M. picta</i> (Andre, 1878)	CAN	—	—	—	—	—	—	—	—	—	—	—	Hayat 1986
<i>M. pulchella</i> (Howard, 1881)	CAN	—	—	—	—	BC	—	SK	—	ON	QC	—	Peck 1963; Burden and Hart 1994

SUBFAMILY COCCOPHAGINAE
Genus *Coccobius* Ratzeburg, 1852

<i>C. varicornis</i> (Howard, 1881)	CAN	—	—	—	—	—	—	SK	—	ON	QC	—	Cumming 1953; Jarvis 1911
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Genus *Coccophagus* Westwood, 1833

World revision – Compere 1931

<i>C. brunneus</i> Provancher, 1887	CAN	—	—	—	—	—	—	QC	—	—	—	—	Gahan and Rohwer 1917
<i>C. cinguliventris</i> Girault, 1909	CAN	—	—	—	—	—	—	QC	—	—	—	—	—

<i>C. fletcheri</i> Howard, 1897	CAN	—	—	—	—	—	—	—	—	—	—	Howard 1897
<i>C. gossypariae</i> Gahan, 1927	CAN	—	—	—	—	BC	AB	—	—	ON	NB	Mader et al. 2020
<i>C. hycimnia</i> (Walker, 1839)	CAN	—	—	—	—	BC	AB	—	—	ON	QC	—
<i>C. perflavus</i> Girault, 1916	CAN	—	—	—	—	—	—	—	—	ON	QC	—
<i>C. quaestor</i> Girault, 1917	CAN	—	—	—	—	—	—	MB	ON	—	—	Girault 1917
<i>C. scutellaris</i> (Dalman, 1826)	CAN	—	—	—	—	BC	—	—	—	—	—	—
Genus <i>Encarsia</i> Förster, 1878												
<i>E. aurantii</i> (Howard, 1894)	CAN	—	—	—	—	—	—	—	—	QC	—	Girault 1912a
<i>E. citrina</i> (Craw, 1891)	CAN	—	—	—	—	—	—	—	—	—	—	Thompson 1953
<i>E. formosa</i> Gahan, 1924	CAN	—	—	—	—	BC	AB	SK	MB	ON	QC	NB
										PE	NS	NF
												AB,SK,MB,QC, NB,PE,NS-Baird 1938; NF-Baird 1940
<i>E. gennaroii</i> Pedata & Giorgini, 2017	CAN	—	—	—	—	—	—	—	—	ON	—	—
<i>E. lounsburyi</i> (Berlese & Paoli, 1916)	CAN	—	—	—	—	—	—	—	—	ON	—	—
<i>E. perniciosi</i> (Tower, 1913)	CAN	—	—	—	—	—	—	—	—	ON	—	—
SUBFAMILY ERETMOUCERINAE												
Genus <i>Eretmocerus</i> Haldeman, 1850												
<i>E. eremicus</i> Rose & Zolnerowich, 1997	CAN	—	—	—	—	—	—	—	—	ON	—	—
FAMILY AZOTIDAE												
Nearctic catalogue – Gordh 1979b (as part of Encyrtidae)												
Genus <i>Ablerus</i> Howard, 1894												
<i>A. clisiocampae</i> (Ashmead, 1894)	CAN	—	—	—	—	—	—	—	—	ON	—	Jarvis 1908
FAMILY CHALCIDIDAE												
Subfamily classification, phylogeny – Cruaud et al. 2021; Nearctic generic key – Bouček and Halstead 1997; New World generic revision – Bouček 1992; Nearctic catalogue – Burks 1979a												
SUBFAMILY BRACHYMERINAE												
Genus <i>Brachymeria</i> Westwood, 1829												
Nearctic revision – Burks 1960												
<i>B. aeca</i> Burks, 1960	CAN	—	—	—	—	BC	—	SK	MB	ON	QC	—
<i>B. compsilurae</i> (Crawford, 1911)	CAN	—	—	—	—	BC	—	MB	ON	—	—	—
<i>B. ovata</i> (Say, 1824)	CAN	—	—	—	—	—	—	ON	QC	—	—	Peck 1951
<i>B. parvula</i> (Walker, 1834)	CAN	AK	—	—	—	BC	AB	SK	MB	ON	—	—
<i>B. podagriva</i> (Fabricius, 1787)	CAN	—	—	—	—	AB	—	—	—	—	—	AK-UAM
<i>B. regularis</i> (Cresson, 1872)	CAN	AK	—	—	—	BC	AB	SK	MB	ON	QC	—
<i>B. tibialis</i> (Walker, 1834)	CAN	—	—	—	—	—	—	—	QC	—	—	Madrid and Stewart 1980
<i>B. truncatella</i> Burks, 1967	CAN	—	—	—	—	—	—	SK	—	—	—	—
SUBFAMILY CRATOCENTRINAE												
Genus <i>Acanthochalcis</i> Cameron, 1884												
Nearctic key – Halstead 1990c												
<i>A. nigricans</i> Cameron, 1884	CAN	—	—	—	—	—	—	—	—	ON	—	—
SUBFAMILY CHALCIDINAE												
New World revision – Burks 1940, Delvare 1992;												
Genus <i>Chalcis</i> Fabricius, 1787												
Nearctic revision – Burks 1940; New World checklist – Delvare 1992												
<i>C. canadensis</i> (Cresson, 1872)	CAN	—	—	—	—	—	—	MB	ON	QC	NB	—
<i>C. divisa</i> (Walker, 1862)	CAN	—	—	—	—	—	—	ON	—	—	—	—
<i>C. flebilis</i> (Cresson, 1872)	CAN	—	—	—	—	—	—	ON	QC	—	—	Cresson 1872
<i>C. microgaster</i> Say, 1824	CAN	—	—	—	—	—	—	MB	ON	QC	—	—
<i>C. neptis</i> Burks, 1940	CAN	—	—	—	—	—	SK	MB	—	—	—	—
<i>C. phoenicopoda</i> Burks, 1940	CAN	—	—	—	—	—	—	—	—	—	—	Peck 1951
Genus <i>Conura</i> Spinola, 1837												
Nearctic revision (as <i>Ceratosmicra</i> , <i>Spilochalcis</i>) – Burks 1940												
<i>C. albifrons</i> (Walsh, 1861)	CAN	AK	YT	NT	—	BC	AB	SK	MB	ON	QC	NB
<i>C. arcana</i> (Cresson, 1872)	CAN	—	—	—	—	AB	—	MB	ON	—	—	—
<i>C. debilis</i> (Say, 1836)	CAN	—	—	—	—	BC	—	SK	MB	ON	—	—
<i>C. delumbis</i> (Cresson, 1872)	CAN	—	—	—	—	—	MB	ON	QC	—	—	Burks 1979a
<i>C. igneoides</i> (Kirby, 1883)	CAN	—	—	—	—	AB	—	ON	—	—	—	—
<i>C. juxta</i> (Cresson, 1872)	CAN	—	—	—	—	—	—	ON	QC	—	—	—
<i>C. leptis</i> (Burks, 1940)	CAN	—	—	—	—	BC	—	—	—	—	—	—
<i>C. maria</i> (Riley, 1870)	CAN	—	—	—	—	—	—	ON	—	—	—	—
<i>C. melana</i> (Burks, 1940)	CAN	—	—	—	—	—	—	ON	—	—	—	—
<i>C. meteori</i> (Burks, 1940)	CAN	—	—	—	—	—	—	—	—	—	NF	Halstead 1986
<i>C. side</i> (Walker, 1843)	CAN	—	—	—	—	BC	—	SK	—	ON	QC	—
<i>C. torvina</i> (Cresson, 1872)	CAN	—	—	—	—	BC	AB	SK	—	ON	—	—
<i>C. xanthostigma</i> (Dalman, 1820)	CAN	—	—	—	—	—	—	ON	—	—	—	Graham 1944

<i>C. bakeri</i> (Howard, 1898)	CAN	-	-	-	-	-	AB	SK	MB	ON	-	NB	-	-	-	-	-	King and Atkinson 1928; Wood and Neilson 1957
<i>C. bucculatrix</i> (Howard, 1892)	CAN	-	-	-	-	-	-	ON	QC	NB	PE	-	-	-	-	-	-	
<i>C. celaenae</i> Howard, 1885	CAN	-	YT	NT	-	BC	AB	SK	MB	ON	QC	NB	-	NS	-	-	-	
<i>C. cervius</i> (Walker, 1846)	CAN	-	-	-	-	BC	AB	SK	-	ON	QC	NB	-	-	-	NF	-	
<i>C. chalconotum</i> (Dalman, 1820)	CAN	AK	-	-	-	BC	AB	-	-	QC	-	-	NS	-	-	-	-	
<i>C. cuproviride</i> Springate & Noyes, 1990	CAN	-	-	-	-	BC	-	-	ON	-	-	NS	-	-	-	-	-	
<i>C. deceptor</i> Miller, 1958	CAN	-	-	-	-	BC	AB	SK	MB	ON	QC	NB	-	NS	-	NF	-	
<i>C. filicornis</i> (Dalman, 1820)	CAN	-	-	-	-	-	AB	-	-	ON	-	NB	-	-	-	-	-	
<i>C. floridanum</i> (Ashmead, 1900)	CAN	AK	YT	-	-	BC	AB	SK	MB	ON	QC	NB	-	NS	-	-	-	
<i>C. gelechiae</i> Howard, 1885	CAN	AK	-	-	-	BC	AB	SK	MB	ON	QC	NB	-	NS	-	-	-	
<i>C. howardi</i> Zolnerowich & Zuparko, 2011	CAN	-	-	-	-	BC	-	-	-	-	NB	-	-	-	-	-	Zolnerowich and Zuparko 2011	
<i>C. lymani</i> Howard, 1907	CAN	-	-	-	-	-	-	ON	-	-	-	-	-	-	-	-	-	
<i>C. melanocerum</i> (Ashmead, 1900)	CAN	-	-	-	-	-	-	-	ON	QC	NB	-	-	-	-	-	-	
<i>C. pyralidis</i> (Ashmead, 1888)	CAN	-	-	-	-	BC	-	-	ON	QC	NB	-	-	-	-	-	-	
<i>C. truncatellum</i> (Dalman, 1820)	CAN	-	-	-	-	BC	AB	SK	-	ON	QC	NB	-	NS	LB	NF	-	Wood 1951
Genus Encyrtus Latreille, 1809																		
Holarctic review – Sugonjaev and Gordh 1982																		
<i>E. aurantii</i> (Goffroy, 1785)	CAN	-	-	-	-	-	-	-	ON	-	-	-	-	-	-	-	-	Jarvis 1911
<i>E. fuscus</i> (Howard, 1881)	CAN	-	-	-	-	BC	-	SK	-	ON	QC	-	-	NS	-	-	-	
<i>E. infidus</i> (Rossi, 1790)	CAN	-	-	-	-	-	-	-	MB	ON	QC	-	-	-	-	-	-	
Genus Epitetracnemus Girault, 1915																		
<i>E. intersecutus</i> (Fonscolombe, 1832)	CAN	-	-	-	-	BC	-	-	ON	QC	-	-	NS	-	-	-	-	
Genus Gabaniella Timberlake, 1926																		
<i>G. incerta</i> (Howard, 1881)	CAN	-	-	-	-	-	-	-	ON	QC	-	-	-	-	-	-	-	
Genus Ginsiana Erdős & Novicky, 1955																		
<i>G. richardsi</i> (Barron, 1970)	CAN	-	-	-	-	-	-	-	ON	-	-	-	-	-	-	-	-	
Genus Habrolepis Förster, 1856																		
<i>H. dalmanni</i> (Westwood, 1837)	CAN	-	-	-	-	-	-	-	ON	-	-	-	-	-	-	-	-	
Genus Homalotylus Mayr, 1876																		
Nearctic revision – Timberlake 1920																		
<i>H. hemipterus</i> (De Stefani, 1898)	CAN	-	-	-	-	-	-	-	ON	QC	-	-	-	-	-	-	-	
<i>H. terminalis</i> (Say, 1829)	CAN	-	-	-	-	BC	-	-	-	-	-	-	-	-	-	-	-	
Genus Isodromus Howard, 1887																		
Nearctic revision – Timberlake 1920																		
<i>I. atriventris</i> Ashmead, 1900	CAN	-	-	-	-	-	-	-	ON	-	-	-	-	-	-	-	-	Ashmead 1900
<i>I. iceryae</i> Howard, 1887	CAN	-	-	-	-	-	-	-	QC	-	-	-	-	-	-	-	-	
<i>I. niger</i> Ashmead, 1900	CAN	-	-	-	-	-	-	-	ON	-	-	-	-	-	-	-	-	
<i>I. puncticeps</i> (Howard, 1885)	CAN	-	-	-	-	-	-	-	-	-	-	NS	-	-	-	-	-	
<i>I. vinulus</i> (Dalman, 1820)	CAN	-	-	-	-	-	-	-	-	-	PE	-	-	-	-	-	-	
Genus Ixodiphagus Howard, 1907																		
<i>I. hookeri</i> (Howard, 1908)	CAN	-	-	-	-	BC	-	-	-	-	-	-	-	-	-	-	-	Peck 1963
<i>I. texanus</i> Howard, 1907	CAN	-	-	-	-	-	-	-	-	-	-	NS	-	-	-	-	-	
Genus Lamennaisia Girault, 1922																		
<i>L. ambigua</i> (Nees, 1834)	CAN	-	-	-	-	-	SK	-	-	-	-	-	-	-	-	-	-	
Genus Merlen Noyes & Woolley, 1994																		
<i>M. agricola</i> Noyes & Woolley, 1994	CAN	-	-	-	-	-	-	ON	QC	-	-	-	-	-	-	-	-	
Genus Metablastothrix Sugonjaev, 1964																		
<i>M. claripennis</i> (Compte, 1928)	CAN	-	-	-	-	BC	-	SK	MB	ON	-	-	-	-	-	-	-	
Genus Metaphycus Mercet, 1917																		
<i>M. annulipes</i> (Ashmead, 1882)	CAN	-	-	-	-	-	-	-	ON	-	-	-	-	-	-	-	-	Fletcher 1902
<i>M. ater</i> (Mercet, 1925)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GL	Noyes 2015
<i>M. groenlandicus</i> Buhl, 1997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GL	Buhl 1997
<i>M. johnsoni</i> (Howard, 1898)	CAN	-	-	-	-	-	-	-	ON	QC	-	-	-	-	-	-	-	Beaulne 1949
<i>M. kincaidi</i> Timberlake, 1929	CAN	-	-	-	-	BC	-	-	-	-	-	-	-	-	-	-	-	
<i>M. maculipes</i> (Howard, 1885)	CAN	-	-	-	-	-	-	-	ON	-	-	-	-	-	-	-	-	
<i>M. pulchellus</i> (Howard, 1898)	CAN	-	-	-	-	-	-	-	ON	-	-	-	-	-	-	-	-	Jarvis 1911
<i>M. pulvinariae</i> (Howard, 1881)	CAN	-	-	-	-	-	-	-	ON	-	-	-	-	-	-	-	-	
<i>M. rileyi</i> (Timberlake, 1916)	CAN	-	-	-	-	-	-	-	ON	-	-	-	-	-	-	-	-	Timberlake 1916
<i>M. stanleyi</i> Compte, 1940	CAN	-	-	-	-	BC	-	-	-	-	-	-	-	-	-	-	-	McLeod 1951
Genus Microterys Thomson, 1876																		
<i>M. curio</i> Tijapitzin, 1966	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GL	Noyes 2015

<i>M. cyanocephalus</i> (Dalman, 1820)	CAN	- - - - -	- - - - -	ON	- - - - -	- - - - -	- - - - -	Jarvis 1911
<i>M. fuscicornis</i> (Howard, 1885)	CAN	- - - - -	- - - - -	SK MB ON	- - - - -	- - - - -	- - - - -	
<i>M. interpunctus</i> (Dalman, 1820)	-	- - - - -	- - - - -	-	- - - - -	- - - - -	- - - - -	GL
<i>M. niemeri</i> (Motschulsky, 1859)	CAN	- - - - -	- - - - -	-	ON	- - - - -	- - - - -	Howard 1897
<i>M. physokermis</i> Compere, 1926	CAN	- - - - -	- - - - -	AB SK MB ON QC NB PE	- - - - -	- - - - -	- - - - -	
<i>M. sylvius</i> (Dalman, 1820)	CAN	- - - - -	- - - - -	-	-	- - - - -	- - - - -	Ashmead 1900
Genus <i>Oenocytus</i> Ashmead, 1900								
<i>O. bucculatrix</i> (Howard, 1883)	CAN	- - - - -	- - - - -	-	ON	- - - - -	- - - - -	Brodie 1909
<i>O. clisiocampae</i> (Ashmead, 1893)	CAN	- - - - -	- - - - -	BC AB	- -	ON	- - - - -	
<i>O. kuvanae</i> (Howard, 1910)	CAN	- - - - -	- - - - -	-	ON	- - - - -	- - - - -	
Genus <i>Prionomitus</i> Mayr, 1876								
<i>P. mitratus</i> (Dalman, 1820)	CAN	- - - - -	BC	- - -	ON	- - - - -	- - - - -	
Genus <i>Pseudencyrtus</i> Ashmead, 1900								
<i>P. bolus</i> (Walker, 1844)	CAN	- - - - -	- - - - -	-	ON	- - - - -	- - - - -	Walker 1844
<i>P. cecidomyiae</i> (Howard, 1885)	CAN	- - - - -	NT	- - - -	MB	ON QC	- - - - -	Gordh 1979b
Genus <i>Pseudococcobius</i> Timberlake, 1916								
<i>P. obenbergeri</i> (Novickij, 1926)	-	- - - - -	- - - - -	-	-	- - - - -	- - - - -	GL Noyes 2015
Genus <i>Pseudorhopus</i> Timberlake, 1926								
<i>P. fuscus</i> (Girault, 1912)	CAN	- - - - -	- - - - -	-	ON	QC NB	- - - - -	Peck 1951
Genus <i>Pyllaephagus</i> Ashmead, 1990								
<i>P. trioziphagus</i> (Howard, 1885)	CAN	- - - - -	-	AB	-	- - - - -	- - - - -	
Genus <i>Stenmatosteres</i> (Timberlake, 1918)								
<i>S. apterus</i> Timberlake, 1918	-	- - - - -	- - - - -	-	-	- - - - -	- - - - -	GL Noyes 2015
<i>S. kuchari</i> Yoshimoto, 1972	CAN	- - - - -	-	AB	-	- - - - -	- - - - -	
Genus <i>Syrphophagus</i> Ashmead, 1900								
<i>S. quadrimaculata</i> (Ashmead, 1881)	CAN	- - - - -	- - - - -	-	-	NB	- NS	- - -
<i>S. smithi</i> Kamal, 1926	CAN	- - - - -	-	BC	-	- - - - -	- - - - -	- - -
Genus <i>Tachinaephus</i> Ashmead, 1904								
<i>T. zealandicus</i> Ashmead, 1904	CAN	- - - - -	-	AB	-	- - - - -	- - - - -	- - -
Genus <i>Tetracylos</i> Kryger, 1942								
<i>T. boreios</i> Kryger, 1942	CAN	- - - - -	NU	-	- - - - -	- - - - -	- - - - -	GL
Genus <i>Thomsonisa</i> Ghesquière, 1946								
<i>T. amathus</i> (Walker, 1838)	-	- - - - -	- - - - -	-	-	- - - - -	- - - - -	GL Buhl 1997
Genus <i>Trechnites</i> Thomson, 1876								
<i>T. insidiosus</i> (Crawford, 1910)	CAN	- - - - -	BC	-	ON	- - - - -	NS	- - -
Genus <i>Trichomasthus</i> Thomson, 1876								
<i>T. marsus</i> (Walker, 1837)	-	- - - - -	- - - - -	-	-	- - - - -	- - - - -	GL Noyes 2015
Genus <i>Zaomma</i> Ashmead, 1900								
Key – Gordh and Triapitzin 1979								
<i>Z. lambinus</i> (Walker, 1838)	CAN	- - - - -	- - - - -	-	ON	QC NB PE	NS	- - -
								Lord and MacPhee 1953

SUBFAMILY TETRACNEMINAE

Genus <i>Anagyrus</i> Howard, 1896								
<i>A. antoninae</i> Timberlake, 1920	CAN	- - NT	- - - - -	-	-	- - - - -	- - - - -	
<i>A. aper</i> Noyes & Menezes, 2000	CAN	- - - - -	- - - - -	-	ON	- - - - -	- - - - -	Noyes 2000
<i>A. argyra</i> (Burks, 1952)	CAN	- - - - -	- - - - -	-	-	QC	- - - - -	Burks 1952
<i>A. pulcher</i> (Ashmead, 1888)	CAN	- - - - -	-	AB	-	- - - - -	- - - - -	
Genus <i>Anusia</i> Förster, 1856								
<i>A. nasicornis</i> Förster, 1860	CAN	- - - - -	- - - - -	-	ON	- - - - -	- - - - -	
Genus <i>Chrysoplatycerus</i> Ashmead, 1889								
<i>C. splendens</i> (Howard, 1888)	CAN	- - - - -	- - - - -	-	ON	QC	- - - - -	Baird 1940
Genus <i>Clausenia</i> Ishii, 1923								
<i>C. purpurea</i> Ishii, 1923	CAN	- - - - -	- - - - -	-	ON	- - - - -	- - - - -	
Genus <i>Ectromatopsis</i> Compere, 1947								
<i>E. americana</i> (Howard, 1898)	CAN	- - - - -	BC	-	- - - - -	- - - - -	- - - - -	
Genus <i>Epanusia</i> Girault, 1913								
<i>E. xerophila</i> (Brues, 1906)	CAN	- - - - -	- - - - -	-	ON	- - - - -	- - - - -	
Genus <i>Leptomastidea</i> Mercet, 1926								
<i>L. abnormis</i> (Girault, 1915)	CAN	- - - - -	BC AB SK	-	ON	QC NB	- NS - NF	AB,SK,NS-Baird 1939; BC,QC,NB-Baird 1941; NF-Peck 1963

Genus *Leptomastix* Förster, 1856

<i>L. dactylopii</i> Howard, 1885	CAN	—	—	—	BC	AB	SK	—	ON	QC	NB	—	NS	—	NF	—	AB, SK, ON, NS- Baird 1939; BC, QC, NB- Baird 1941; NF-Peck 1963
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Genus *Mira* Schellenberg, 1803

<i>M. mucora</i> Schellenberg, 1803	CAN	—	—	—	—	—	—	—	—	—	—	—	NS	—	—	—	—
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Genus *Pseudoleptomastix* Girault, 1915

<i>P. squamulatus</i> Girault, 1917	CAN	—	—	—	—	—	AB	—	—	—	—	—	—	—	—	—	Noyes 2000
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Genus *Rhopus* Förster, 1856

<i>R. sulphureus</i> (Westwood, 1837)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Noyes 2015
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Genus *Tetracnemoides* Howard, 1898

<i>T. westwoodi</i> (Cockerell, 1898)	CAN	—	—	—	—	—	—	—	QC	—	—	—	—	—	—	—	Gordh 1979b
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Genus *Zaplatyterus* Timberlake, 1925

<i>Z. gela</i> (Noyes & Woolley, 1994)	CAN	—	—	—	—	—	—	—	QC	—	—	—	—	—	—	—	—
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Genus *Zarhopalus* Ashmead, 1900

<i>Z. corvinus</i> (Girault, 1915)	CAN	—	—	—	—	BC	AB	—	—	ON	QC	NB	—	NS	—	—	Baird 1941
<i>Z. sheldoni</i> Ashmead, 1900	CAN	—	—	—	—	AB	—	MB	ON	QC	—	—	—	—	—	—	AB, MB-Noyes and Hayat 1994; QC-Baird 1946

FAMILY EUCHARITIDAE

World generic revision – Heraty 2002; Nearctic generic key – Heraty 1997; Nearctic catalogue – Burks 1979b

SUBFAMILY EUCHARITINAE

Nearctic revision – Heraty 1985

Genus *Pseudochalcura* Ashmead, 1904

New World revision – Heraty 1986

<i>P. gibbosa</i> (Provancher, 1881)	CAN	AK	YT	NT	—	BC	AB	SK	MB	ON	QC	NB	—	—	—	—	—
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Genus *Pseudometagea* Ashmead, 1899

<i>P. bakeri</i> Burks, 1961	CAN	—	—	—	—	BC	AB	SK	—	—	—	—	—	—	—	—	—
<i>P. barberi</i> Heraty, 1985	CAN	—	—	—	—	—	—	—	ON	—	—	—	—	—	—	—	—
<i>P. montana</i> (Ashmead, 1890)	CAN	—	—	—	—	AB	SK	—	ON	QC	NB	PE	NS	—	—	—	Heraty 1985
<i>P. nefrens</i> Heraty, 1985	CAN	—	—	—	—	AB	—	—	ON	—	—	—	—	—	—	—	—
<i>P. occipitalis</i> Heraty, 1985	CAN	—	—	—	—	BC	AB	—	—	—	—	—	—	—	—	—	Heraty 1985
<i>P. schwartzii</i> (Ashmead, 1892)	CAN	—	—	—	—	AB	—	—	ON	QC	NB	PE	—	—	—	—	—

SUBFAMILY ORASEMINAE**Genus *Orasema* Cameron, 1884**

Revision – Baker and Heraty 2020

<i>O. coloradensis</i> Wheeler, 1907	CAN	—	—	—	—	BC	AB	—	MB	ON	—	—	—	—	—	—	Baker and Heraty 2020
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FAMILY EULOPHIDAE

Phylogenomics – Rasplus et al. 2020; Nearctic generic review – Schaufuß et al. 1997; Nearctic catalogue – Burks 1979c

SUBFAMILY ENTEDONINAE**Genus *Achyroscharoides* Girault, 1913**

Nearctic revision – Yoshimoto 1977

<i>A. albus</i> Yoshimoto, 1977	CAN	—	—	—	—	—	—	—	ON	—	—	NS	—	—	—	—	—
<i>A. arienascapus</i> (Miller, 1962)	CAN	—	—	—	—	—	—	—	ON	QC	—	—	—	—	—	—	—
<i>A. bipunctatus</i> (Girault, 1916)	CAN	—	—	—	—	—	—	SK	—	ON	QC	—	—	—	—	—	—
<i>A. bisulcus</i> Yoshimoto, 1977	CAN	—	—	—	—	—	—	—	ON	QC	—	—	—	—	—	—	—
<i>A. cariocus</i> (Miller, 1962)	CAN	—	—	—	—	—	—	—	ON	QC	—	—	—	—	—	—	—
<i>A. clypeatus</i> (Miller, 1962)	CAN	—	—	—	—	—	—	—	ON	QC	—	—	—	—	—	—	—
<i>A. gahani</i> (Miller, 1962)	CAN	—	—	—	—	—	—	—	ON	QC	—	—	—	—	—	—	—
<i>A. guizoti</i> Girault, 1917	CAN	—	—	—	—	—	—	—	ON	—	—	—	—	—	—	—	—
<i>A. hirtiscapus</i> (Miller, 1962)	CAN	—	—	—	—	—	—	—	ON	—	—	—	—	—	—	—	—
<i>A. intricatus</i> Yoshimoto, 1977	CAN	—	—	—	—	—	—	—	ON	QC	—	—	—	—	—	—	—
<i>A. mali</i> Kamijo, 1991	CAN	—	—	—	—	—	—	—	—	—	—	NS	—	—	—	—	—
<i>A. reticulatus</i> Yoshimoto, 1977	CAN	—	—	—	—	—	—	—	ON	QC	—	—	—	—	—	—	—
<i>A. tetrapunctatus</i> Yoshimoto, 1977	CAN	—	—	—	—	—	—	—	ON	—	—	—	—	—	—	—	—
<i>A. titiani</i> Girault, 1916	CAN	—	—	—	—	—	—	—	ON	—	—	NS	—	—	—	—	—
<i>A. yoshimotoi</i> Kamijo, 1991	CAN	—	—	—	—	—	—	—	ON	QC	—	—	—	—	—	—	—
<i>A. zuwelferi</i> (Delucchi, 1954)	CAN	—	—	—	—	BC	—	—	—	—	—	—	—	—	—	—	—

Genus *Ceranisus* Walker, 1842

Nearctic review – Triapitsyn and Morse 2005

<i>C. americensis</i> (Girault, 1917)	CAN	-	-	-	-	BC	AB	-	-	ON	-	-	-	-	-	-	-
<i>C. loomansi</i> Triapitsyn & Headrick, 1995	CAN	-	-	-	-	BC	AB	SK	MB	ON	-	NB	PE	-	-	-	-
<i>C. menes</i> (Walker, 1939)	CAN	-	-	-	-	BC	-	-	-	ON	-	-	-	-	-	-	-
<i>C. planitanus</i> Erdös, 1966	<i>CAN</i>	-	-	<i>NT</i>	-	-	-	-	-	-	-	-	-	-	-	-	Triapitsyn and Morse 2005
<i>C. russelli</i> (Crawford, 1911)	CAN	-	-	-	-	-	-	-	-	ON	<i>QC</i>	-	-	-	-	-	Triapitsyn and Morse 2005

Genus *Chrysocharis* Förster, 1856

New World/Nearctic revisions – Hansson 1987, 1995b, respectively; Palaearctic revision – Hansson 1985; Nearctic review *Chrysocharis (Kratochviliana)*, Nearctic revision *Chrysocharis* s str – Yoshimoto 1973a, 1973b, respectively

<i>C. acoris</i> (Walker, 1839)	CAN AK	-	-	-	-	-	-	ON	-	-	-	-	-	-	-		
<i>C. acutigaster</i> Hansson, 1985	CAN	-	-	-	-	-	-	MB	ON	QC	NB	-	-	-	Hansson 1987		
<i>C. ainsliei</i> Crawford, 1912	CAN AK	YT	-	-	BC	AB	SK	-	ON	QC	NB	-	NS	-	Hansson 1987		
<i>C. aluta</i> Yoshimoto, 1973	CAN	-	-	NT	-	-	-	-	ON	QC	-	-	-	-	-		
<i>C. amasis</i> (Walker, 1839)	CAN	-	-	-	-	-	-	-	-	-	-	NS	-	-	Hansson 1987		
<i>C. amyite</i> (Walker, 1839)	CAN AK	YT	NT	-	BC	AB	SK	MB	QC	-	-	-	NF*	-	Hansson 1987		
<i>C. assis</i> (Walker, 1839)	CAN	-	YT	-	-	AB	SK	-	ON	QC	NB	-	NS	-	Hansson 1987		
<i>C. avia</i> Hansson, 1985	CAN	-	-	NT	-	-	-	-	ON	-	-	-	-	-	-		
<i>C. beckeri</i> Yoshimoto, 1973	CAN	-	-	-	-	-	-	-	ON	QC	NB	-	-	-	-		
<i>C. cerodonthae</i> Hansson, 1987	CAN	-	-	-	-	AB	-	-	ON	QC	-	-	-	-	-		
<i>C. chromatomyiae</i> Hansson, 1987	CAN	-	-	-	-	BC	AB	-	ON	QC	NB	-	-	-	-		
<i>C. clarkae</i> Yoshimoto, 1973	CAN AK	YT	NT	-	BC	AB	-	MB	ON	QC	NB	-	NS	-	-		
<i>C. collaris</i> Graham, 1963	CAN	-	-	-	-	-	-	-	QC	-	-	-	-	-	-		
<i>C. compressicornis</i> Ashmead, 1895	CAN	-	-	-	-	BC	-	-	ON	QC	NB	-	-	-	-		
<i>C. coptodiscae</i> Yoshimoto, 1973	CAN	-	-	-	-	BC	-	SK	MB	ON	QC	NB	-	NS	NF*	Hansson 1987	
<i>C. cornigera</i> Hansson, 1995	CAN	-	-	-	-	AB	-	-	-	-	-	-	-	-	-		
<i>C. crassiscapus</i> (Thomson, 1878)	CAN	AK	YT	NT	-	BC	AB	SK	MB	ON	QC	NB	-	NS	-	Hansson 1987	
<i>C. elongata</i> (Thomson, 1878)	CAN AK	YT	NT	-	BC	AB	-	MB	ON	QC	-	-	-	-	-		
<i>C. entedonoides</i> (Walker, 1972)	CAN	-	YT	-	-	-	-	-	-	-	-	-	-	-	Hansson 1987		
<i>C. frigida</i> Baur & Hansson, 1997	CAN	-	-	-	-	-	-	-	QC	-	-	-	-	-	-		
<i>C. fulviscapus</i> Hansson, 1987	CAN	-	-	-	-	-	-	-	ON	-	-	-	-	-	-		
<i>C. gemma</i> (Walker, 1839)	CAN	-	-	-	-	BC	-	-	ON	-	-	-	-	-	-		
<i>C. giraulti</i> Yoshimoto, 1973	CAN	AK	-	-	BC	AB	-	MB	ON	QC	NB	-	NS	-	Hansson 1987; Yoshimoto 1973b		
<i>C. griffithsi</i> Hansson, 1987	CAN	-	YT	-	-	BC	AB	-	ON	-	-	-	-	-	Hansson 1987		
<i>C. ignota</i> Hansson, 1987	CAN	-	-	-	-	AB	-	-	ON	-	-	-	-	-	-		
<i>C. illustris</i> Graham, 1963	CAN	-	-	-	BC	-	-	-	-	-	-	-	-	-	-		
<i>C. laomedon</i> (Walker, 1839)	CAN	-	-	-	BC	-	-	ON	QC	-	NS	-	-	-	-		
<i>C. laricinellae</i> (Ratzeburg, 1848)	CAN	AK	-	-	BC	AB	-	MB	ON	QC	NB	PE	NS	-	NF	Yoshimoto 1973a	
<i>C. liriomyzae</i> Delucchi, 1954	CAN	-	-	-	-	-	-	ON	-	PE	-	-	-	-	-	Heimpel and Meloché 2001	
<i>C. longicoxa</i> Hansson, 1987	CAN AK	YT	NT	-	BC	AB	-	-	-	-	-	-	-	-	-	Hansson 1987	
<i>C. longigaster</i> Hansson, 1987	CAN	-	-	-	-	-	-	-	ON	-	-	-	-	-	-	-	
<i>C. mediana</i> Förster, 1861	CAN	AK	-	-	-	-	-	MB	ON	QC	NB	-	-	-	-	-	
<i>C. minutula</i> (Hansson, 1986)	CAN	-	-	-	BC	-	-	-	-	-	-	-	-	-	-	-	
<i>C. nephereus</i> (Walker, 1839)	CAN AK	-	-	-	BC	AB	SK	MB	ON	QC	NB	-	NS	-	-		
<i>C. nitetis</i> (Walker, 1839)	CAN	-	-	-	BC	AB	SK	-	ON	QC	NB	-	NS	-	NF*	AB, SK, NS- Yoshimoto 1973a; NB, NF- Hansson 1987	
<i>C. occidentalis</i> (Girault, 1916)	CAN	-	-	-	-	-	-	MB	ON	QC	NB	-	NS	-	NF	-	Hansson 1987
<i>C. oscinidis</i> Ashmead, 1888	CAN AK	YT	NT	-	BC	AB	SK	MB	ON	QC	NB	-	NS	-	-	-	
<i>C. pallipes</i> (Nees, 1834)	CAN AK	-	-	-	BC	AB	-	-	ON	QC	-	-	-	-	-	Hansson 1987	
<i>C. paradoxa</i> Hansson, 1985	CAN	AK	-	-	-	-	-	-	ON	-	-	-	-	-	-	-	
<i>C. pentheus</i> (Walker, 1839)	CAN AK	-	-	-	BC	-	SK	MB	ON	QC	NB	-	-	-	-	-	
<i>C. phytomyzivora</i> Hansson, 1987	CAN	AK	-	-	-	AB	-	-	-	-	-	-	-	-	-	Hansson 1987	
<i>C. pilosa</i> Delucchi, 1954	CAN	-	-	-	BC	-	-	-	-	-	-	-	-	-	-	-	
<i>C. polita</i> (Howard, 1897)	CAN	-	-	-	BC	AB	-	-	ON	QC	-	-	NS	-	NF*	-	Hansson 1987
<i>C. polyzo</i> (Walker, 1839)	CAN AK	YT	NT	-	BC	AB	SK	MB	ON	QC	NB	-	NS	LB	NF	-	Hansson 1987

<i>M. bimacularis</i> (Dalman, 1820)	CAN	- - - - -	BC AB	- MB ON QC	- - <i>NS</i>	- <i>NF*</i>	- Hansson 1988
<i>M. tropicalis</i> Yoshimoto, 1976	CAN	- - - - -	- - - - -	ON	- - - - -	- - - - -	-
Genus <i>Neobrysocharis</i> Kurdjumov, 1912							
Nearctic revision – Hansson 1995a							
<i>N. agromyzae</i> (Crawford, 1913)	CAN	- - - - -	<i>BC AB</i>	- <i>MB ON QC</i>	- <i>PE</i>	- - - - -	Hansson 1995a
<i>N. aratus</i> (Walker, 1838)	CAN	- - - - -	- AB	- - ON	- - - - -	- - - - -	-
<i>N. arizonensis</i> (Crawford, 1913)	CAN	- - - - -	BC	- - - - -	- - - - -	- - - - -	-
<i>N. clavatus</i> (Hansson, 1995)	CAN	- - - - -	- AB	- - - - -	- - - - -	- - - - -	-
<i>N. cyaneoviridis</i> Hansson, 1995	CAN	- - - - -	- - - - -	ON	- - - - -	- - - - -	-
<i>N. diastatae</i> (Howard, 1881)	CAN	<i>AK</i>	- - BC AB SK	MB ON QC NB PE NS	- - <i>GL</i>	Hansson 1995a; Baur 2005	-
<i>N. elongatus</i> Hansson, 1995	CAN	- - - - -	BC	- - ON	- - - - -	- - - - -	-
<i>N. formosus</i> (Westwood, 1833)	CAN	- - - - -	BC AB SK	- ON QC NB	- NS	- - - -	-
<i>N. marginalis</i> Hansson, 1995	CAN	- - - - -	- AB SK	- ON	- PE	- - - -	-
<i>N. pictipes</i> (Crawford, 1912)	CAN	- - - - -	- AB	- ON	- - - - -	- - - - -	Hansson 1995a
Genus <i>Omphale</i> Haliday, 1833							
New World revision – Hansson 1996a							
<i>O. acamas</i> (Walker, 1839)	CAN	- - - - -	BC AB	- - ON	- - - - -	- - - - -	-
<i>O. acuminicornis</i> (Girault, 1916)	CAN	- - - - -	- - - - -	- ON	- - - - -	- - - - -	-
<i>O. acuminativentris</i> (Girault, 1917)	CAN	- - - - -	- - - - -	<i>ON QC NB</i>	<i>NS</i>	- - - - -	Hansson 1996a
<i>O. aureopurpurea</i> Hansson, 1996	CAN	- - NT	- - - - -	MB	- - - - -	- - - - -	-
<i>O. bicincta</i> Ashmead, 1888	CAN	- - - - -	- - - - -	ON QC	- - - - -	- - - - -	-
<i>O. brevicornis</i> Hansson, 1996	CAN	- - - - -	- - - - -	ON	- - - - -	- - - - -	-
<i>O. clypealba</i> Hansson, 1996	CAN	- - - - -	- - - - -	ON	- - - - -	- - - - -	-
<i>O. deplanata</i> Hansson, 1996	CAN	- - - - -	- - - - -	- QC	- - - - -	- - - - -	-
<i>O. divina</i> (Girault, 1916)	CAN	- - - - -	- - - - -	ON	- - - - -	- - - - -	-
<i>O. elevata</i> Hansson, 1996	CAN	- - - - -	- - - - -	MB	- - - - -	- - - - -	-
<i>O. erginus</i> (Walker, 1839)	CAN	- - - - -	AB SK	MB ON QC NB	- NS	- - - -	-
<i>O. flavicephala</i> Hansson, 1996	CAN	- - - - -	- - - - -	ON	- - - - -	- - - - -	-
<i>O. flavifacies</i> Hansson, 1996	CAN	- - - - -	- - - - -	ON	- - - - -	- - - - -	-
<i>O. gracilicornis</i> (Hansson, 1987)	CAN	- - - - -	BC AB	- MB ON QC NB	- - - -	- - - - -	-
<i>O. huggerti</i> (Hansson, 1988)	CAN	- - - - -	- - - - -	<i>ON</i>	- - - - -	- - - - -	-
<i>O. longiseta</i> Hansson, 1996	CAN	- - - - -	- - - - -	- QC	- - - - -	- - - - -	-
<i>O. marginalis</i> Hansson, 1996	CAN	- - - - -	- - - - -	MB ON QC	- - - - -	- - - - -	-
<i>O. marylandensis</i> (Girault, 1916)	CAN	<i>AK</i>	- - - - -	<i>MB</i> ON QC NB	<i>NS</i>	- - - - -	Hansson 1996a
<i>O. obscurinotata</i> (Girault, 1916)	CAN	- - - - -	- - - - -	MB ON QC	- NS	- - - - -	-
<i>O. ocelliparva</i> Hansson, 1996	CAN	- - - - -	- - - - -	ON QC	- - - - -	- - - - -	-
<i>O. oculiparva</i> Hansson, 1996	CAN	- - - - -	BC	- MB ON QC	- - - - -	- - - - -	-
<i>O. pedicellata</i> Hansson, 1996	CAN	- - - - -	- - - - -	ON QC	- - - - -	- - - - -	-
<i>O. pilosa</i> Hansson, 1996	CAN	- - - - -	- - - - -	ON	- - - - -	- - - - -	-
<i>O. purpurea</i> Hansson, 1996	CAN	- - - - -	- - - - -	ON QC NB	- - - -	- - - - -	-
<i>O. salicis</i> (Haliday, 1833)	CAN	- - - - -	AB SK	- ON <i>QC</i> NB	- - - -	- - - - -	Hansson 1996a
<i>O. scutellata</i> (Girault, 1916)	CAN	- - - - -	- - - - -	MB ON QC	- - - - -	- - - - -	-
<i>O. semiglobosa</i> Hansson, 1996	CAN	- - - - -	- - - - -	<i>ON</i>	- - - - -	- - - - -	Hansson 1996a
<i>O. straminea</i> Hansson, 1996	CAN	- - - - -	- - - - -	MB ON	- - - - -	- - - - -	-
<i>O. theana</i> (Walker, 1839)	CAN	- - - - -	BC AB	- MB ON QC NB <i>PE NS</i>	- - - -	- - - - -	Hansson 1996a
<i>O. triclava</i> Hansson, 1996	CAN	- - - - -	- - - - -	ON <i>QC</i>	- - - - -	- - - - -	Hansson 1996a
<i>O. varia</i> (Hansson, 1987)	CAN	- - - - -	- - - - -	ON QC	- - - - -	- - - - -	-
<i>O. versicolor</i> (Nees, 1834)	CAN	- - NT	BC AB	- - ON	- - - - -	- - - - -	-
<i>O. vinacea</i> Hansson, 1996	CAN	- - - - -	- - - - -	- QC	- - - - -	- - - - -	-
<i>O. vulgaris</i> Hansson, 1996	CAN	- - - - -	- - - - -	MB ON QC NB	<i>NS</i>	- - - -	-
Genus <i>Paracrias</i> Ashmead, 1904							
Review – Gumovsky 2001							
<i>P. arizonensis</i> (Ashmead, 1888)	CAN	- - - - -	- AB	- - - - -	- - - - -	- - - - -	-
<i>P. canadensis</i> Gumovsky, 2001	CAN	- - - - -	- - - - -	MB	- - - - -	- - - - -	-
<i>P. huberi</i> Gumovsky, 2001	CAN	- - - - -	- - - - -	- - - - -	NB	- - - - -	-
<i>P. laticalcar</i> Gumovsky, 2001	CAN	- - - - -	- AB <i>SK</i>	- - - - -	- - - - -	- - - - -	Gumovsky 2001
<i>P. mirus</i> (Girault, 1917)	CAN	- - - - -	- - - - -	- QC	- - - - -	- - - - -	-
Genus <i>Pediobius</i> Walker, 1846							
Nearctic revision – Peck 1985							
<i>P. adelphae</i> Peck, 1985	CAN	- - - - -	- - - - -	- ON QC	- - - - -	- - - - -	-
<i>P. alasparus</i> (Walker, 1839)	CAN	- - - - -	- - - - -	<i>ON</i>	- - - - -	<i>NS</i>	- <i>GL</i>
<i>P. albipes</i> (Provancher, 1887)	CAN	- - - - -	BC AB SK	<i>MB</i> ON QC NB	- NS	- NF	-
<i>P. alcaeus</i> (Walker, 1839)	CAN	<i>AK</i>	- - BC AB	- - ON QC	- - NS	- -	-
<i>P. aphidiaphagus</i> (Ashmead, 1887)	CAN	- - - - -	<i>BC</i>	- - ON QC	- - - -	- - - -	Peck 1985

SUBFAMILY EULOPHINAE

Nearctic key to genera – Miller 1970

Genus *Burkseus* Perry, 2019

Revision and key to genera – Perry and Heraty 2019

<i>C. pictus</i> (Nees, 1834)	CAN	- - - - -	- - - - -	ON	QC	- - - - -	- - - - -	Peck 1963
Genus Colpocephus Lucchese, 1941								
<i>C. florus</i> (Walker, 1839)	CAN	- - - - -	BC	- - -	ON	QC	- - - - -	-
Genus Dahlbominus Hincks, 1945								
<i>D. fuscipennis</i> (Zetterstedt, 1838)	CAN	- - - - -	BC	- - -	ON QC	NB PE NS	- NF*	- BC-Baird 1942; NB-Hawboldt 1939; PE-Baird 1947; NS,NF- 1946; Baird 1946
 Genus Diaulinopsis Crawford, 1912								
<i>D. callichroma</i> Crawford, 1912	CAN	- - - - -	-	SK	-	ON	- NB	- - - - -
Genus Dicladocerus Westwood, 1832								
Nearctic revision – Yoshimoto 1976								
<i>D. alaskensis</i> Yoshimoto, 1976	- AK	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	-
<i>D. betulae</i> Yoshimoto, 1976	CAN	- - - - -	- - - - -	- - - - -	ON	- - - - -	- - - - -	NF
<i>D. epinotiae</i> Yoshimoto, 1976	CAN	- - - - -	- - - - -	- - - - -	ON	- - - - -	- - - - -	NF
<i>D. exoteliae</i> Yoshimoto, 1976	CAN	- - - - -	- - - - -	- - - - -	ON	- - - - -	- - - - -	-
<i>D. nearctica</i> Yoshimoto, 1976	CAN	- - - - -	BC AB SK	-	ON QC NB	- - - - -	- - - - -	-
<i>D. occidentalis</i> Yoshimoto, 1976	CAN	- - - - -	BC	- - - - -	- - - - -	- - - - -	- - - - -	-
<i>D. pacificus</i> Yoshimoto, 1976	CAN	- - - - -	BC	- - - - -	- - - - -	- - - - -	- - - - -	-
<i>D. terraenovae</i> Yoshimoto, 1976	CAN	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	NF
<i>D. vulgaris</i> Yoshimoto, 1976	CAN	- - - - -	- - - - -	- - - - -	ON QC NB	- - - - -	- - - - -	-
<i>D. westwoodii</i> Westwood, 1832	CAN	- - - - -	BC	- - -	ON	- - - - -	- - - - -	Andrews and Geistlinger 1969
 Genus Diglyphus Walker, 1844								
<i>D. begini</i> (Ashmead, 1904)	CAN	- YT	- -	BC AB SK MB	ON QC NB	- NS	- - - -	-
<i>D. intermedius</i> (Girault, 1916)	CAN	- - - - -	BC AB	- MB	ON QC	- NS	- - - -	-
<i>D. isaea</i> (Walker, 1838)	CAN	- - - - -	AB	- ON	- - - - -	- - - - -	GL	Fry 1989; Baur 2005
<i>D. pulchripes</i> (Crawford, 1912)	CAN	- - - - -	BC AB SK MB	ON QC	- - - - -	- - - - -	-	-
<i>D. websteri</i> (Crawford, 1912)	CAN AK	- NT	- - -	SK	ON QC	- NS	- - - -	-
 Genus Dimmockia Ashmead, 1904								
World review – Ikeda and Huber 1996								
<i>D. incongrua</i> (Ashmead, 1898)	CAN	- - - - -	- - - - -	ON	- - - - -	- - - - -	-	-
<i>D. pallipes</i> Muesebeck, 1927	CAN	- - - - -	- - - - -	MB	ON QC NB	- - - - -	-	-
 Genus Elachertus Spinola, 1811								
Nearctic revision – Schauf 1985a								
<i>E. attus</i> Schauf, 1985	CAN	- - - - -	- - - - -	MB	ON QC NB	- - - -	NF	-
<i>E. cacociae</i> Howard, 1885	CAN AK	- - - - -	BC AB SK MB	ON QC NB	- NS	- - - -	NF	-
<i>E. ciliariae</i> Ashmead, 1898	CAN AK	- NT	BC	- - -	ON QC NB	- NS	- - - -	-
<i>E. fenestratus</i> Nees, 1834	CAN	- YT NT NU	BC AB SK MB	ON QC NB	- NS	- - - -	GL	Baur 2005
<i>E. lob</i> Schauf, 1985	CAN	- - - - -	- - - - -	- - - - -	- - - - -	NS	- - - -	-
 Genus Elasmus Westwood, 1833								
Nearctic review – Coote 1997; Nearctic key – Burks 1965								
<i>E. albicoxa</i> Howard, 1885	CAN	- - - - -	- - - - -	- - - - -	ON QC	- - - - -	- - - - -	-
<i>E. apanteli</i> Gahan, 1913	CAN	- - - - -	- - - - -	SK	ON QC	- - - - -	- - - - -	Burks 1979c
<i>E. apidiscar</i> Girault, 1917	CAN	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	-	Thompson 1955
<i>E. atratus</i> Howard, 1897	CAN	- - - - -	BC	- - - -	QC NB	- - - - -	- - - - -	-
<i>E. marylandicus</i> Girault, 1915	CAN	- - - - -	- - - - -	ON	- - - - -	- - - - -	-	-
<i>E. mordax</i> Girault, 1917	CAN	- - - - -	- - - - -	- - - - -	- - - - -	NS	- - - -	Thompson 1955
 Genus Eulophus Geoffroy, 1762								
<i>E. anomocerus</i> (Crawford, 1912)	CAN	- - - - -	- - - - -	SK MB	ON QC NB	- - - -	- - - -	-
<i>E. basalis</i> Say, 1836	CAN	- - - - -	- - - - -	- - - - -	ON	- - - - -	- - - -	-
<i>E. brevicapitatus</i> Cook & Davis, 1891	CAN	- - - - -	- - - - -	SK MB	ON QC	- - - -	- - - -	-
<i>E. koebelia</i> (Crawford, 1912)	CAN	- - - - -	- - - - -	SK	- - - -	- - - -	- - - -	-
<i>E. larvarum</i> (Linnaeus, 1758)	CAN	- - - - -	- - - - -	- - - - -	- - - - -	NS	- - - -	-
<i>E. nebulosus</i> (Provancher, 1887)	CAN	- - - - -	BC	- - -	ON QC NB PE	- - -	NF	-
<i>E. orgyiae</i> (Fitch, 1856)	CAN	- - - - -	BC AB SK MB	ON QC NB PE NS	- - -	- - -	NF	-
<i>E. ramosus</i> Provancher, 1881	CAN	- - - - -	- - - - -	- - - - -	QC	- - - - -	- - - -	Provancher 1881
<i>E. smerinthii</i> (Ashmead, 1898)	CAN	- - - - -	- - - - -	- - - - -	ON QC	- - - - -	- - - -	-
 Genus Euplectrus Westwood, 1832								
European revision – Hansson and Schmidt 2018; China species – Zhu and Huang 2003								
<i>E. bicolor</i> (Swederus, 1795)	CAN	- - - - -	- - - - -	MB	ON QC	- - - - -	- - - -	Zhu and Huang 2002
<i>E. frontalis</i> Howard, 1885	CAN	- - - - -	- - - - -	- - - - -	ON QC	- - - - -	- - - -	Chittenden 1901; Fyles 1897

<i>E. liparidis</i> Ferrière, 1941	CAN	- - - - -	- - - - -	QC	- - - - -	- - - - -	Zhu and Huang 2002
<i>E. mellipes</i> Provancher, 1887	CAN	AK	- - - - -	ON QC	- -	NS	- - - - -
Genus <i>Grotiusomyia</i> Girault, 1917							
<i>G. flavicornis</i> Girault, 1917	CAN	- - - - -	SK	- - - - -	- - - - -	- - - - -	-
Genus <i>Hemiptarsenus</i> Westwood, 1833							
<i>H. collaris</i> (Ashmead, 1904)	CAN	- - - - -	- - - - -	QC	- - - - -	- - - - -	Burks 1979c
<i>H. longifasciatus</i> (Girault, 1917)	CAN	- - - - -	- - - - -	ON QC	- - - - -	- - - - -	-
<i>H. unguicellus</i> (Zetterstedt, 1838)	CAN	- - - - -	- - - - -	ON QC NB	- - - - -	- - - - -	-
Genus <i>Hyssopus</i> Girault, 1916							
Nearctic revision – Schaufuß 1985b	-	-	-	-	-	-	-
<i>H. benefactor</i> (Crawford, 1912)	CAN	- - - - -	BC AB	- -	ON QC	- - - - -	Burks 1979c
<i>H. johannseni</i> (Crawford, 1912)	CAN	YT	- - BC AB	SK MB	ON QC NB	- - - - -	-
<i>H. novus</i> Girault, 1917	CAN	- - - - -	BC	- - - - -	- - - - -	- - - - -	-
<i>H. rhyacioniae</i> Gahan, 1927	CAN	- - - - -	- - - - -	ON	- - - - -	- - - - -	-
<i>H. thymus</i> Girault, 1916	CAN	- - - - -	BC AB	SK MB	ON QC	PE	- - - - -
Genus <i>Miotropis</i> Thomson, 1878							
<i>M. mellea</i> (Ashmead, 1904)	CAN	- - - - -	- - - - -	ON	- - - - -	- - - - -	-
Genus <i>Necremnus</i> Thomson, 1878							
<i>N. californicus</i> (Girault, 1917)	CAN	- - - - -	AB	- -	ON	- - - - -	-
<i>N. duplicatus</i> Gahan, 1941	CAN	- - - - -	BC AB	SK	ON QC	- - - - -	-
<i>N. tidius</i> (Walker, 1839)	CAN	- - - - -	BC	- -	ON	- - - - -	-
Genus <i>Paraolinx</i> Ashmead, 1894							
<i>P. canadensis</i> Miller, 1964	CAN	- - - - -	- - - - -	QC	- - - - -	- - - - -	-
Genus <i>Platyplectrus</i> Ferrière, 1941							
<i>P. americanus</i> (Girault, 1917)	CAN	- - - - -	- - - - -	ON	- - - - -	- - - - -	-
Genus <i>Pnigalio</i> Schrank, 1802							
Nearctic review – Yoshimoto 1983; Nearctic revision – Miller 1970	-	-	-	-	-	-	-
<i>P. boharti</i> Yoshimoto, 1983	CAN	- - - - -	BC	- - - - -	- - - - -	- - - - -	-
<i>P. elongatus</i> Yoshimoto, 1983	CAN	- - - - -	- - - - -	ON QC	- - - - -	- - - - -	-
<i>P. glaber</i> Yoshimoto, 1983	CAN	- - - - -	- - - - -	MB ON	- - - - -	- - - - -	-
<i>P. kukakensis</i> (Ashmead, 1902)	CAN AK	- - NU	BC AB	- - - - -	- NS	- - - - -	Yoshimoto 1983
<i>P. levius</i> Yoshimoto, 1983	CAN	- - - - -	BC	- - - - -	- - - - -	- - - - -	-
<i>P. longulus</i> (Zetterstedt, 1838)	CAN AK	NT	BC AB SK MB ON	NB	- - - - -	- - - - -	Yoshimoto 1983
<i>P. maculipes</i> (Crawford, 1913)	CAN AK	YT NT	BC AB SK MB ON QC NB	-	NS	NF	Burks 1979c
<i>P. minio</i> (Walker, 1847)	CAN AK	NT	BC AB SK MB ON QC NB	-	NS	NF	-
<i>P. nemati</i> (Westwood, 1838)	CAN	- - - - -	- - - - -	ON	- - - - -	- - - - -	-
<i>P. neolongulus</i> Yoshimoto, 1983	CAN AK	YT	BC	- - MB ON QC	- - NS	- - - - -	-
<i>P. pallipes</i> (Provancher, 1887)	CAN AK	NT	BC	- SK MB ON QC NB	- NS	- - - - -	Yoshimoto 1983
<i>P. pectinicornis</i> (Linnaeus, 1758)	CAN	- - - - -	- - - - -	ON QC	- - - - -	- - - - -	-
<i>P. uroplatae</i> (Howard, 1885)	CAN AK	NT	AB	- MB ON QC NB	- NS	NF	Yoshimoto 1983
Genus <i>Sympiesis</i> Förster, 1856							
Holarctic Review of <i>Sympiesis acalle, gordius</i> – Maier and Hansson 2006; Nearctic revision – Miller 1970	-	-	-	-	-	-	-
<i>S. acalle</i> (Walker, 1848)	CAN AK	- - - - -	BC AB	- -	ON QC NB	NS	- - - - -
<i>S. aencylae</i> Girault, 1917	CAN	- - - - -	AB	- -	ON QC NB	NS	- - - - -
<i>S. argenticoxae</i> Girault, 1917	CAN	- - - - -	- - - - -	MB ON QC	- - - - -	-	Burks 1979c
<i>S. dolichogaster</i> Ashmead, 1888	CAN	- - - - -	BC AB SK	- -	ON QC NB	- - - - -	Burks 1979c
<i>S. enargiae</i> Miller, 1970	CAN	- - NT	BC	- -	ON QC NB	- - - - -	Miller 1970
<i>S. gordius</i> (Walker, 1848)	CAN	- - - - -	BC	- - MB ON QC NB	- NS	- - - - -	-
<i>S. mariolandia</i> Girault, 1917	CAN	- - - - -	- - - - -	ON QC	- - NS	- - - - -	Burks 1979c
<i>S. sericeicornis</i> (Nees, 1834)	CAN	YT NT	BC AB SK MB	ON QC NB	- NS	- - - - -	-
<i>S. stigmata</i> Girault, 1917	CAN	- - - - -	BC AB SK	- - - - -	- - - - -	-	Burks 1979c
<i>S. stigmatipennis</i> Girault, 1917	CAN	- - - - -	BC AB	- -	ON QC NB	NS	- - - - -
<i>S. triclada</i> (Provancher, 1887)	CAN	- - - - -	- - - - -	ON QC	- - - - -	- - - - -	-
<i>S. viridula</i> (Thomson, 1878)	CAN	- - - - -	AB	- -	ON QC NB	NS	- - - - -
<i>S. yuekeli</i> Doğanlar, 1979	CAN	- - - - -	BC	- - - - -	- - - - -	- - - - -	-
Genus <i>Xanthella</i> Móczár, 1950							
<i>X. szabopatayi</i> Móczár, 1950	CAN	- - - - -	- - - - -	ON	- - - - -	- - - - -	-
Genus <i>Zagrammosoma</i> Ashmead, 1904							
<i>Z. americanum</i> Girault, 1916	CAN	- - - - -	BC AB	- - - - -	- - - - -	- - - - -	McLeod 1951
<i>Z. centroleatum</i> Crawford, 1913	CAN	- - - - -	BC	- - - - -	- - - - -	- - - - -	-
<i>Z. multilineatum</i> (Ashmead, 1888)	CAN	- - - - -	BC AB	- -	ON QC NB	NS	- - - - -

SUBFAMILY TETRASTICHINAE

European keys – Graham 1987, 1991; Nearctic generic key and species catalogue – LaSalle 1994

Genus *Anaprostocephalus* Graham, 1987

Holarctic revision and key – Graham 1987

<i>A. acuminatus</i> (Ratzeburg, 1848)	CAN	-	-	-	-	-	ON	-	NB	-	-	-	-
Genus <i>Aprostocetus</i> Westwood, 1833													
<i>A. anthophilus</i> (Burks, 1947)	CAN	-	-	-	-	-	AB	-	ON	QC	-	-	Pilon 1965
<i>A. anthracinus</i> (Ashmead, 1902)	-	AK	-	-	-	-	-	-	-	-	-	-	Ashmead 1902
<i>A. bruezzonii</i> (Masi, 1930)	CAN	-	-	-	-	-	-	-	ON	QC	-	-	-
<i>A. casidis</i> (Burks, 1943)	CAN	-	-	-	-	-	-	-	ON	-	-	-	-
<i>A. esurus</i> (Riley, 1879)	CAN	-	-	-	-	-	AB	SK	MB	ON	QC	NB	-
<i>A. garryana</i> (Burks, 1963)	CAN	-	-	-	-	-	BC	-	-	-	-	-	-
<i>A. hibus</i> (Burks, 1943)	CAN	-	-	-	-	-	NT	-	SK	-	-	-	-
<i>A. impexus</i> (Girault, 1917)	CAN	-	-	-	-	-	-	-	-	NB	-	-	-
<i>A. juniperi</i> (Crawford, 1915)	CAN	-	-	-	-	-	BC	-	-	ON	-	-	-
<i>A. marcovitchi</i> (Crawford, 1915)	CAN	-	-	-	-	-	-	-	-	-	NB	-	-
<i>A. mellofiei</i> Buhl, 1997	-	-	-	-	-	-	-	-	-	-	-	GL	Buhl 1997
<i>A. minutus</i> (Howard, 1881)	CAN	-	-	-	-	-	BC	AB	-	ON	QC	-	Samarasinghe and LeRoux 1966
<i>A. nebrascensis</i> (Girault, 1916)	CAN	-	-	-	-	-	BC	-	-	ON	-	NB	-
<i>A. pallipes</i> (Dalman, 1820)	CAN	-	-	-	-	-	AB	-	-	-	-	-	Graham 1987
<i>A. pattersonae</i> (Fullaway, 1912)	CAN	-	-	-	-	-	BC	-	-	-	-	-	-
<i>A. pausiris</i> (Walker, 1839)	CAN	-	-	-	-	-	AB	-	-	ON	-	-	-
<i>A. pygmaeus</i> (Zetterstedt, 1838)	CAN	-	-	-	-	-	AB	-	-	-	-	-	-
<i>A. rosae</i> (Ashmead, 1886)	CAN	-	-	-	-	-	BC	-	-	ON	-	-	Essig 1926
<i>A. silvaticus</i> (Gahan, 1937)	CAN	-	-	-	-	-	BC	AB	-	ON	QC	NB	PE
<i>A. strobilanae</i> (Ratzeburg, 1844)	CAN	-	-	-	-	-	-	-	-	-	NB	-	-
<i>A. strobilus</i> (Burks, 1943)	CAN	-	-	-	-	-	BC	-	-	-	-	-	Hedlin 1960
<i>A. venustus</i> (Gahan, 1914)	CAN	-	-	-	-	-	-	-	-	ON	QC	NB	-
<i>A. zosimus</i> (Walker, 1839)	CAN	-	-	-	-	-	-	-	-	MB	ON	-	-
Genus <i>Baryscapus</i> Förster, 1856	CAN	-	-	-	-	-	-	-	-	ON	-	-	Vickruck et al. 2010
<i>B. americanus</i> (Ashmead, 1888)	CAN	-	-	-	-	-	-	-	-	-	-	-	-
<i>B. bruchophagi</i> (Gahan, 1913)	CAN	-	-	-	-	-	-	-	-	ON	-	-	-
<i>B. clamytis</i> (Ashmead, 1896)	CAN	-	-	-	-	-	-	-	-	ON	QC	NB	NS
<i>B. chrysopae</i> (Crawford, 1915)	CAN	-	-	-	-	-	BC	-	-	-	NB	-	-
<i>B. coerulescens</i> (Ashmead, 1898)	CAN	AK	-	-	-	-	BC	-	-	MB	ON	-	NS
<i>B. daina</i> (Walker, 1839)	CAN	-	-	-	-	-	BC	-	-	ON	-	NB	-
<i>B. galactopus</i> (Ratzeburg, 1844)	CAN	-	-	-	-	-	BC	-	-	ON	QC	NB	-
<i>B. granulatus</i> (Walker, 1844)	CAN	-	-	-	-	-	-	-	-	ON	-	-	Walker 1844
<i>B. malacosoma</i> (Girault, 1917)	CAN	-	-	-	-	-	BC	-	-	ON	QC	-	Blatt et al. 2000
<i>B. microrhopalae</i> (Ashmead, 1896)	CAN	-	-	-	-	-	-	-	-	MB	-	-	-
<i>B. modestus</i> (Howard, 1889)	CAN	-	-	-	-	-	-	-	-	-	-	-	Thompson 1955
<i>B. racemariae</i> (Ashmead, 1886)	CAN	-	-	-	-	-	-	-	-	MB	ON	QC	NB
<i>B. rugglesi</i> (Rohwer, 1919)	CAN	-	-	-	-	-	-	-	-	MB	ON	-	NB
<i>B. turionum</i> (Hartig, 1838)	CAN	-	-	-	-	-	-	-	-	ON	-	-	-
Genus <i>Chytreolestes</i> LaSalle, 1994	CAN	-	-	-	-	-	-	-	-	QC	-	-	-
<i>C. alibabae</i> LaSalle, 1994	CAN	-	-	-	-	-	-	-	-	-	-	-	-
Genus <i>Crataepus</i> Förster, 1878	CAN	-	-	-	-	-	-	-	-	MB	ON	QC	NB
<i>C. marbis</i> (Walker, 1839)	CAN	-	-	-	-	-	-	-	-	MB	ON	-	NB
Genus <i>Galeopsomyia</i> Girault, 1916	CAN	-	-	-	-	-	-	-	-	-	-	-	-
<i>G. epidius</i> (Walker, 1847)	CAN	-	-	-	-	-	-	-	-	ON	-	-	Burks 1975
<i>G. haemon</i> (Walker, 1847)	CAN	-	-	-	-	-	-	-	-	ON	QC	NB	-
Genus <i>Melittobia</i> Westwood, 1848	CAN	-	-	-	-	-	BC	-	-	MB	ON	QC	NB
World revision – Dahms 1984	CAN	-	-	-	-	-	-	-	-	-	-	-	-
<i>M. acasta</i> (Walker, 1839)	CAN	-	-	-	-	-	BC	AB	-	MB	ON	-	-
<i>M. chalybii</i> Ashmead, 1892	CAN	-	-	-	-	-	BC	AB	-	MB	ON	-	BC-Buckell 1928; AB, MB-Peck 1969; ON-MacFarlane and Pengelly 1978

Genus *Eupelmus* Dalman, 1820**Subgenus *Eupelmus* Dalman, 1820**

Nearctic revision – Gibson 2011

<i>E. annulatus</i> Nees, 1834	CAN	—	—	—	BC	—	—	ON	NB	—	NS	—	—
<i>E. cyaniceps</i> Ashmead, 1886	CAN	—	—	—	—	—	—	ON	—	—	—	—	—
<i>E. dryorhizoxeni</i> Ashmead, 1886	CAN	—	—	—	—	AB	SK	—	ON	QC	—	—	—
<i>E. microzonus</i> Förster, 1860	CAN	—	—	—	—	AB	—	—	—	—	—	—	—
<i>E. nitifrons</i> Gibson, 2011	CAN	—	—	—	—	—	—	—	QC	—	—	—	—
<i>E. pini</i> Taylor, 1927	CAN	—	—	—	—	—	—	ON	QC	PE	—	—	—
<i>E. pulchriceps</i> (Cameron, 1904)	CAN	—	—	—	—	—	—	ON	—	—	—	—	—
<i>E. utahensis</i> Girault, 1916	CAN	—	—	—	BC	AB	—	—	—	—	—	—	—

Subgenus *Macroneura* Walker, 1837

Nearctic revision – Gibson 1990

<i>E. messene</i> Walker, 1839	CAN	—	—	—	BC	AB	SK	MB	ON	QC	NB	PE	NS	—	—
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Genus *Merostenus* Walker, 1837

Subgeneric classification – Gibson 2017

Subgenus *Merostenus* Walker, 1837

<i>M. excavatus</i> (Dalman, 1820)	CAN	—	—	—	—	—	—	—	—	—	NS	—	—
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Subgenus *Reikosiella* Yoshimoto, 1969

<i>M. bigutta</i> (Girault, 1917)	CAN	—	—	—	—	—	—	ON	—	—	—	—	—
<i>M. charitopoides</i> (Girault, 1916)	CAN	—	—	—	—	—	—	ON	—	—	—	—	—
<i>M. marylandica</i> (Girault, 1916)	CAN	—	—	—	—	AB	—	ON	QC	—	—	—	—

Genus *Zaischnopsis* Ashmead, 1904

Nearctic revision and world checklist – Gibson 2005b

<i>Z. bouceki</i> Gibson, 2005	CAN	—	—	—	—	—	—	ON	—	—	—	—	—
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SUBFAMILY NEANASTATINAE

World generic revision – Gibson 1989

Genus *Metapelma* Westwood, 1835

<i>M. spectabile</i> Westwood, 1835	CAN	—	—	—	—	—	SK	MB	ON	QC	NB	—	—	—
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FAMILY EURYTOMIDAE

Nearctic generic key – DiGiulio 1997; Nearctic generic key – Burks 1971; Nearctic catalogue – Burks 1979e

SUBFAMILY EURYTOMINAE

Phylogenetic analysis – LotfaliZadeh et al. 2007

Genus *Axima* Walker, 1862

<i>A. zabriskiei</i> Howard, 1890	CAN	—	—	—	—	—	—	ON	QC	—	—	—	Burks 1979e
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Genus *Bruchophagus* Ashmead, 1888

<i>B. borealis</i> Ashmead, 1894	CAN	—	—	—	—	—	—	ON	—	—	—	—	Ashmead 1894	
<i>B. gibbus</i> (Bohemian, 1836)	CAN	—	—	—	—	BC	—	SK	—	ON	QC	—	—	Glendinning and King 1953; Ashmead 1894

B. platypterus (Walker, 1834)

<i>B. platypterus</i> (Walker, 1834)	CAN	—	—	—	—	AB	—	—	ON	QC	—	—	—
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B. roddi Gussakovskij, 1933

<i>B. roddi</i> Gussakovskij, 1933	CAN	—	—	—	BC	AB	SK	MB	ON	NB	—	—	—
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Genus *Eurytoma* Illiger, 1807Nearctic revision of *Diplolepis* parasitoids – Zhang et al. 2014, 2017; Nearctic revision – Bugbee 1967, 1970, 1975; Keys to *morio* species group – Delvare et al. 2014

<i>E. abatus</i> Walker, 1843	CAN	—	—	—	BC	—	—	ON	QC	NB	—	NS	—	Burks 1979e
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E. aciculata Ratzeburg, 1848

<i>E. aciculata</i> Ratzeburg, 1848	CAN	—	—	—	—	—	—	QC	—	—	—	—	—
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E. africana Boheman, 1836

<i>E. africana</i> Boheman, 1836	CAN	—	—	—	BC	—	—	—	—	—	—	—
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E. altifossa Bugbee, 1967

<i>E. altifossa</i> Bugbee, 1967	CAN	—	—	—	—	—	MB	—	—	—	—	—
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E. appendigaster (Swederus, 1795)

<i>E. appendigaster</i> (Swederus, 1795)	CAN	—	—	—	—	—	ON	—	NB	—	—	Burks 1979e
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E. atripes Gahan, 1933

<i>E. atripes</i> Gahan, 1933	CAN	AK	YT	NT	—	AB	SK	—	ON	QC	PE	—
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E. bicolor Walsh, 1870

<i>E. bicolor</i> Walsh, 1870	CAN	—	—	—	—	—	ON	QC	—	—
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E. bolteri Riley, 1869

<i>E. bolteri</i> Riley, 1869	CAN	—	—	—	BC	—	—	ON	—	—	—
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E. brevitergis Bugbee, 1975

<i>E. brevitergis</i> Bugbee, 1975	CAN	—	—	—	BC	AB	—	—	—	—	—	Bugbee 1975
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E. californica Ashmead, 1887

<i>E. californica</i> Ashmead, 1887	CAN	—	—	—	BC	—	—	QC	—	—
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E. calycis Bugbee, 1961

<i>E. calycis</i> Bugbee, 1961	CAN	—	—	—	BC	—	SK	ON	—	—
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E. caraganae Nikolskaya, 1952

<i>E. caraganae</i> Nikolskaya, 1952	CAN	—	—	—	AB	SK	MB	—	—	—	Peck 1963
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E. cleri Ashmead, 1894

<i>E. cleri</i> Ashmead, 1894	CAN	—	—	—	BC	—	—	QC	—	—
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E. conica Provancher, 1887

<i>E. conica</i> Provancher, 1887	CAN	—	—	—	BC	—	—	MB	ON	QC
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E. contractra Bugbee, 1967

<i>E. contractra</i> Bugbee, 1967	CAN	—	—	—	—	—	ON	—	—	—
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E. diastrophi Walsh, 1870

<i>E. diastrophi</i> Walsh, 1870	CAN	—	—	NT	BC	—	SK	MB	ON	QC	NB	—	Peck 1963
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E. discordans Bugbee, 1951

<i>E. discordans</i> Bugbee, 1951	CAN	—	—	—	BC	AB	SK	MB	ON	QC	NB	PE
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E. dorcaschenae Ashmead, 1888

<i>E. dorcaschenae</i> Ashmead, 1888	CAN	—	—	—	—	SK	—	ON	—	—	—
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E. flavifacies Bugbee, 1969

<i>E. flavifacies</i> Bugbee, 1969	CAN	—	—	—	—	—	ON	—	—	—
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E. fossae Bugbee, 1967
E. fossae Bugbee, 1967	CAN	—	—	—	BC
<td

<i>E. gigantea</i> Walsh, 1870	CAN	—	—	—	—	BC	AB	SK	MB	ON	QC	NB	—	—	LB	—	—
<i>E. hecale</i> Walker, 1843	CAN	—	—	—	—	BC	—	—	ON	—	—	—	—	—	—	—	—
<i>E. illinoiensis</i> Girault, 1920	CAN	—	—	—	—	BC	AB	—	—	ON	QC	—	—	NS	—	—	—
<i>E. imminuta</i> Bugbee, 1951	CAN	—	—	—	—	BC	AB	—	MB	ON	QC	—	—	—	—	—	Zhang et al. 2017
<i>E. incerta</i> Fullaway, 1912	CAN	—	—	—	—	BC	AB	SK	—	ON	—	—	—	—	—	—	—
<i>E. iniquus</i> Bugbee, 1951	CAN	—	—	—	—	BC	AB	—	—	ON	QC	—	PE	—	—	—	Zhang et al. 2017
<i>E. juniperina</i> Marcovitch, 1915	CAN	—	—	—	—	BC	—	SK	—	ON	—	—	—	—	—	—	—
<i>E. longavena</i> Bugbee, 1951	CAN	—	—	—	—	BC	AB	SK	—	ON	QC	—	—	—	—	—	BC-Bugbee 1951; SK,ON, QC-Zhang et al. 2017
<i>E. magdalalis</i> Ashmead, 1894	CAN	—	—	—	—	—	—	—	—	ON	QC	—	—	—	—	—	Burks 1979e
<i>E. minnesota</i> Girault, 1916	CAN	AK	YT	—	—	—	—	—	—	ON	QC	—	—	—	—	—	—
<i>E. neomexicana</i> Girault, 1920	CAN	—	—	—	—	AB	SK	—	ON	QC	—	—	—	—	—	—	—
<i>E. nigricoxa</i> Provancher, 1887	CAN	—	—	—	—	BC	AB	—	MB	ON	QC	—	—	—	—	—	—
<i>E. obtusiventris</i> Gahan, 1934	CAN	—	—	—	—	—	—	—	ON	—	—	—	—	—	—	—	—
<i>E. onobrychidis</i> Nikolskaya, 1933	CAN	—	—	—	—	—	AB	SK	—	—	—	—	—	—	—	—	Richards 1989
<i>E. orchidearum</i> (Westwood, 1869)	CAN	—	—	—	—	BC	—	—	—	ON	QC	—	—	—	—	—	Essig 1926; Gibson 1914; Burks 1979e
<i>E. pachyneuron</i> Girault, 1916	CAN	AK	YT	NT	—	BC	AB	SK	MB	ON	QC	—	PE	NS	LB	—	—
<i>E. parva</i> Phillips, 1918	CAN	—	—	—	—	BC	AB	SK	MB	ON	QC	—	PE	—	—	—	—
<i>E. phloeotribi</i> Ashmead, 1894	CAN	—	—	—	—	—	—	—	—	—	QC	—	—	—	—	—	Bugbee 1970
<i>E. picea</i> Bugbee, 1967	CAN	—	—	—	—	BC	—	—	—	—	—	—	—	—	—	—	—
<i>E. pini</i> Bugbee, 1958	CAN	—	—	—	—	BC	—	—	MB	ON	QC	—	—	—	—	—	Bugbee 1958
<i>E. pissodis</i> Girault, 1917	CAN	—	—	—	—	BC	AB	—	MB	ON	QC	NB	—	NS	—	—	Peck 1963
<i>E. profunda</i> Bugbee, 1967	CAN	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Ashmead 1887
<i>E. prunicola</i> Walsh, 1870	CAN	—	—	—	—	—	—	—	ON	—	—	—	—	—	—	—	—
<i>E. querciglobuli</i> (Fitch, 1859)	CAN	AK	YT	—	—	BC	—	—	MB	ON	—	—	—	—	—	—	—
<i>E. rhois</i> Crosby, 1909	CAN	—	—	—	—	—	—	—	ON	—	—	—	—	—	—	—	—
<i>E. shorthousei</i> Zhang & Gates, 2017	CAN	—	—	—	—	BC	—	—	MB	—	—	—	—	—	—	—	Zhang et al. 2017
<i>E. solenozopheriae</i> Ashmead, 1887	CAN	—	—	—	—	—	—	—	ON	QC	—	—	NS	—	—	—	Burks 1979e; Hayman et al. 2003
<i>E. spongiosa</i> Bugbee, 1951	CAN	—	—	—	—	BC	AB	SK	MB	ON	—	—	—	—	—	Bugbee 1951	
<i>E. studiosa</i> Say, 1836	CAN	—	—	—	—	BC	—	—	—	ON	QC	—	—	—	—	—	BC,QC-Burks 1979e; ON-Harrington 1895
<i>E. tomici</i> Ashmead, 1894	CAN	—	—	—	—	—	AB	—	—	—	—	—	—	—	—	—	—
<i>E. tylodermatis</i> Ashmead, 1896	CAN	—	—	—	—	BC	AB	SK	—	ON	QC	NB	—	—	—	—	Haye et al. 2013
<i>E. verticillata</i> (Fabricius, 1798)	CAN	—	—	—	—	—	—	—	ON	—	—	—	—	—	—	—	—
<i>E. vitis</i> (Saunders, 1869)	CAN	—	—	—	—	—	—	—	—	ON	QC	—	—	—	—	—	Saunders 1869
Genus Mangoma Subba Rao, 1986	CAN	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>M. salicis</i> (Walker, 1834)	CAN	—	—	—	—	—	—	—	—	ON	—	—	—	—	—	—	—
Genus Masneroma Bouček, 1983	CAN	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>M. angulifera</i> Bouček, 1983	CAN	—	—	—	—	—	—	—	ON	—	—	—	—	—	—	—	—
Genus Sycophila Walker, 1871	CAN	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Nearctic revision – Balduf 1932 (as <i>Decatoma</i> Spinola)	CAN	—	—	—	—	—	—	—	ON	—	—	—	—	—	—	—	—
<i>S. dubia</i> (Walsh, 1870)	CAN	—	—	—	—	—	—	—	—	ON	—	—	—	—	—	—	—
<i>S. marylandica</i> (Girault, 1916)	CAN	—	—	—	—	—	—	—	—	—	—	NS	—	—	—	—	Balduf 1932
<i>S. mellea</i> (Curtis, 1831)	CAN	—	—	—	—	—	—	—	—	ON	QC	—	PE	—	—	—	Beaulne 1949
<i>S. nigriceps</i> (Walsh, 1870)	CAN	—	—	—	—	BC	—	—	—	—	—	—	—	—	—	—	—
<i>S. novascotiae</i> (Balduf, 1932)	CAN	—	—	—	—	—	—	—	—	—	—	NS	—	—	—	—	—
<i>S. nubilistigma</i> (Walsh, 1870)	CAN	—	—	—	—	—	—	—	MB	—	QC	—	—	—	—	—	Balduf 1932
<i>S. quercilanae</i> (Fitch, 1859)	CAN	—	—	—	—	—	—	—	—	ON	QC	—	—	—	—	—	Peck 1963
<i>S. subimmaculata</i> (Girault, 1917)	CAN	—	—	—	—	—	—	—	ON	—	—	—	—	—	—	—	—
<i>S. vaccinicolae</i> (Balduf, 1932)	CAN	—	—	—	—	—	—	—	—	ON	QC	—	NS	—	—	—	Balduf 1932; Hayman et al. 2003
<i>S. varians</i> (Walsh, 1870)	CAN	—	—	—	—	—	—	—	ON	—	—	—	—	—	—	—	—
Genus Systole Walker, 1832	CAN	—	—	—	—	—	—	—	—	ON	QC	—	—	—	—	—	—
<i>S. albipennis</i> Walker, 1832	CAN	—	—	—	—	—	—	—	—	ON	QC	—	—	—	—	—	—

Genus *Tenuipetiolus* Bugbee, 1951

<i>T. medicaginis</i> (Gahan, 1919)	CAN	- - - - -	- - - - -	ON	- - - - -	- - - - -	- - - - -
<i>T. ruber</i> Bugbee, 1951	CAN	- - - - -	BC	SK MB	ON QC	- - NS	- - - -

Genus *Tetramesa* Walker, 1848

Nearctic revision – Phillips and Emery 1919, Phillips 1936							
<i>T. hordei</i> (Harris, 1830)	CAN	- - - - -	- - - - -	ON	QC	PE	NS
<i>T. kingi</i> (Phillips, 1927)	CAN	- - - - -	- AB	SK	- - - - -	- - - - -	- - - - -
<i>T. linearis</i> (Walker, 1832)	CAN	- - - - -	- - - - -	ON	- - - - -	- - - - -	- - - - -
<i>T. longipetiolatum</i> (Phillips, 1836)	CAN	- - - - -	- AB	- - - - -	- - - - -	- - - - -	- - - - -
<i>T. maderae</i> (Walker, 1849)	CAN	- - - - -	- - - - -	ON	QC	- - - - -	Burks 1979e; Peck 1963
<i>T. oregon</i> (Phillips, 1836)	CAN	- - - - -	- AB	- - - - -	- - - - -	- - - - -	- - - - -
<i>T. secale</i> (Fitch, 1861)	CAN	- - - - -	- AB	- ON	- - - - -	- - - - -	Holmes and Blakeley 1971; Peck 1963
<i>T. tritici</i> (Fitch, 1859)	CAN	- - - - -	- - - - -	ON	QC NB	PE	- - - - -
<i>T. vaginicolum</i> (Doane, 1916)	CAN	- - - - -	- - - - -	ON	QC	- - - - -	ON, PE-Fletcher 1906; QC-Peck 1963
<i>T. websteri</i> (Howard, 1896)	CAN	- - - - -	- AB	- ON	QC	- - - - -	Phillips and Emery 1919; Peck 1951

SUBFAMILY RILEYINAE

World revision – Gates 2008							
Genus <i>Neorileya</i> Ashmead, 1904							
<i>N. flavipes</i> Ashmead, 1904							
Genus <i>Rileya</i> Ashmead, 1888							
<i>R. cecidomyiae</i> Ashmead, 1888							
<i>R. insularis</i> (Ashmead, 1894)							

FAMILY LEUCOSPIDAE

Nearctic review – Bouček 1997a; world revision – Bouček 1974; Nearctic catalogue – Burks 1979f							
Genus <i>Leucospis</i> Fabricius, 1775							
<i>L. affinis</i> Say, 1824	CAN	- - - - -	BC AB SK MB	ON QC NB	PE	NS	- - - -

FAMILY MEGASTIGMIDAE

World catalogue – Grissell 1999; Nearctic catalogue – Grissell 1979; phylogenetics – Janšta et al. 2018							
Genus <i>Megastigmus</i> Dalman, 1820							
Nearctic key – Hedlin et al. 1980; Nearctic revision and key – Milliron 1949							
<i>M. aculeatus</i> (Swederus, 1795)	CAN	- - - - -	- - - - -	ON	QC	- - - - -	- - - - -
<i>M. albifrons</i> Walker, 1869	CAN	- - - - -	BC	- - - - -	- - - - -	- - - - -	Hedlin et al. 1980
<i>M. amelanochieris</i> Cushman, 1918	CAN	- - - - -	BC AB	MB	- - - - -	- - - - -	- - - - -
<i>M. americanus</i> Milliron, 1949	CAN	- - - - -	- - - - -	ON	QC	- - - - -	NF
<i>M. atedius</i> Walker, 1851	CAN	AK	- - - - -	BC	- - - - -	ON	QC NB
<i>M. brevicaudis</i> Ratzeburg, 1852	CAN	- - - - -	- - - - -	MB	- - - - -	- - - - -	Werner 1964
<i>M. caperonatus</i> Milliron, 1949	CAN	- - - - -	- - - - -	ON	- - - - -	- - - - -	- - - - -
<i>M. formosus</i> Milliron, 1949	CAN	- - - - -	- - - - -	ON	QC	- - - - -	- - - - -
<i>M. gahani</i> Milliron, 1949	CAN	- - - - -	- - - - -	ON	QC	- - - - -	- - - - -
<i>M. hoffmeyeri</i> Walley, 1932	CAN	- - - - -	- - - - -	ON	QC	- - - - -	- - - - -
<i>M. laricis</i> Marcovitch, 1914	CAN	AK YT NT NU BC AB SK MB	ON QC NB	PE	NS	LB	NF
<i>M. lasiocarparae</i> Crosby, 1913	CAN	- - - - -	BC AB	- - - - -	- - - - -	- - - - -	- - - - -
<i>M. melanurus</i> Milliron, 1949	CAN	- - - - -	- - - - -	ON	- - - - -	- - - - -	- - - - -
<i>M. milleri</i> Milliron, 1949	CAN	- - - - -	BC	- - - - -	- - - - -	- - - - -	- - - - -
<i>M. nigrovareiegatus</i> Ashmead, 1890	CAN	AK YT NT	BC AB SK	ON QC	PE	NS	NF
<i>M. physocarpi</i> Crosby, 1913	CAN	- - - - -	- - - - -	ON	QC	- - - - -	- - - - -
<i>M. pinus</i> Parfitt, 1857	CAN	- - - - -	BC	- - - - -	- - - - -	- - - - -	- - - - -
<i>M. rafni</i> Hoffmeyer, 1929	CAN	- - - - -	BC	- - - - -	- - - - -	- - - - -	- - - - -
<i>M. specularis</i> Walley, 1932	CAN	- - - - -	- - - - -	SK MB	ON QC NB	NS LB	- Hedlin 1956
<i>M. spermotrophus</i> Wachtl, 1893	CAN	- - - - -	BC AB	- - - - -	- - - - -	- - - - -	- - - - -
<i>M. tsugae</i> Crosby, 1913	CAN	- - - - -	BC	- - - - -	- - - - -	- - - - -	- - - - -

FAMILY MYMARIDAE

World genera – Annecke and Doutt 1961; Holarctic genera – Schaufuß 1984; Nearctic generic key – Huber 1997, Huber et al. 2020; New World genera – Yoshimoto 1990; Nearctic catalogue – Burks 1979g, Huber et al. 2020

Genus *Acmonoplyneuma* Oogblin, 1946

Nearctic review – Schaufuß 1981							
<i>A. immaculatum</i> Schaufuß, 1981	CAN	- - - - -	- - - - -	ON	- - - -	NS	- - - -

<i>A. varium</i> (Girault, 1917)	CAN	- - - - -	ON QC	- - - - -	Schauff 1981
Genus <i>Alaptus</i> Westwood, 1839					
Holarctic revision – Triapitsyn 2017					
<i>A. fusculus</i> Walker, 1846	CAN	- - - - -	ON	- - - - -	Triapitsyn 2017
<i>A. huberi</i> Triapitsyn, 2017	CAN	- - - - -	ON	- - - - -	Triapitsyn 2017
<i>A. immaturus</i> Perkins, 1905	CAN	- - - - -	AB	- - ON	Triapitsyn 2017
<i>A. klonz</i> Triapitsyn, 2017	CAN	- - - - -	ON	- - - - -	
<i>A. minimums</i> Westwood, 1839	CAN	- - - - -	ON	- NB	Triapitsyn 2017
<i>A. pallidicornis</i> Förster, 1856	CAN	- - - - -	ON	- - - - -	Triapitsyn 2017
<i>A. sanitapsei</i> Triapitsyn, 2017	CAN	- - - - -	YT	- AB	ON - - - - -
Genus <i>Anagrus</i> Haliday, 1833					
World key – Triapitsyn 2015; Nearctic review – Triapitsyn 1998; Holarctic key and Nearctic review – Chiappini et al. 1996; Nearctic key – Gordh and Dunbar 1977					
<i>A. atomus</i> (Linnaeus, 1767)	CAN	- - - - -	BC	- - - - -	Triapitsyn 1998
<i>A. avalae</i> Soyka, 1956	CAN	- - - - -	BC	- - ON	Chiappini and Triapitsyn 1999
<i>A. daanei</i> Triapitsyn, 1998	CAN	- - - - -	BC	- - - - -	
<i>A. incarnatus</i> Haliday, 1833	CAN	- - - - -	SK	- - - - -	Triapitsyn et al. 2018
<i>A. nigriceps</i> (Smits van Burgt, 1914)	- - - - -				GL Huber 2015a
<i>A. nigriventris</i> Girault, 1911	CAN	- - - - -	ON	- - - - -	
<i>A. puella</i> Girault, 1911	CAN	- - - - -	AB	- - - - -	Armstrong 1936
<i>A. subfuscus</i> Förster, 1847	CAN	- - - - -	ON	QC - - - - -	
Genus <i>Anaphes</i> Haliday, 1833					
Review and world catalogue – Huber and Thuróczy 2018; Nearctic review and keys – species groups and <i>A. fuscipennis</i> group – Huber 1992, <i>A. crasicornis</i> group – Huber 2006; key and descriptions of carrot weevil parasitoids – Huber et al. 1997					
<i>A. alaskae</i> Annecke & Doutt, 1961	CAN	AK YT NT	- - - - -	- - - - -	Annecke and Doutt 1961
<i>A. byrrhidiphagus</i> Huber, 1992	CAN	AK YT	- - BC	- MB QC	- - - - -
<i>A. calendrae</i> (Gahan, 1927)	CAN	- - - - -	- - - - -	ON	- - - - -
<i>A. collinus</i> Walker, 1846	CAN	- - - - -	- - - - -	ON	- - - - -
<i>A. confertus</i> (Doutt, 1949)	CAN	- - - - -	BC	- - ON	- - - - -
<i>A. conotricheli</i> Girault, 1905	CAN	- - NT	- - - - -	QC	- - - - -
<i>A. cotei</i> Huber, 1997	CAN	- - - - -	- - - - -	NS	- - - - -
<i>A. diana</i> (Girault, 1911)	CAN	- - - - -	- - - - -	QC	- NS - - -
<i>A. flavipes</i> (Förster, 1841)	CAN	- - - - -	- - - - -	ON	- - NS - - -
<i>A. fuscipennis</i> Haliday, 1833	CAN	- - - - -	BC	- - ON QC	- NS - - -
<i>A. gerrisophaga</i> (Doutt, 1949)	CAN	- - - - -	- - - - -	MB ON QC	- - - - -
<i>A. iole</i> Girault, 1911	CAN	AK NT	- BC AB	- ON QC PE	- - - - -
<i>A. listronoti</i> Huber, 1997	CAN	- - - - -	- - - - -	ON QC	- - - - -
<i>A. luna</i> (Girault, 1914)	CAN	- - - - -	AB	- ON QC PE	- - - - -
<i>A. sinipennis</i> Girault, 1911	CAN	- - - - -	AB	- ON NS	- - - - -
<i>A. victus</i> Huber, 1997	CAN	- - - - -	- - - - -	ON QC	- - - - -
Genus <i>Camptoptera</i> Förster, 1856					
Holarctic revision – Triapitsyn 2014					
<i>C. cardui</i> (Förster, 1856)	CAN	- - - - -	- - - - -	MB	- - - - -
Genus <i>Chrysoctonus</i> Mathot, 1966					
<i>C. masneri</i> (Yoshimoto, 1990)	CAN	- - - - -	- - - - -	ON QC	- - - - -
Genus <i>Cleruchus</i> Enoch, 1909					
<i>C. biciliatus</i> (Ferrière, 1952)	CAN	- - - - -	- - - - -	ON QC	- - - - -
<i>C. pieloui</i> (Yoshimoto, 1971)	CAN	- - - - -	- - - - -	QC NB	- - - - -
Genus <i>Cosmocomoidea</i> Howard, 1908					
World checklist – Huber 2015b; Nearctic key – Triapitsyn 2013b; Nearctic revision (as <i>Gonatocerus ater</i> group) – Huber 1988; Nearctic review and key to parasites of Proconini – Triapitsyn 2006					
<i>C. bonariensis</i> (Brethès, 1922)	CAN	- - - - -	AB	- - - - -	- - - - -
<i>C. dolichocerus</i> (Ashmead, 1887)	CAN	- - - - -	- - - - -	ON QC NB	- NS - - -
<i>C. inexpectata</i> (Huber, 1988)	CAN	- - - - -	- - - - -	ON	- - - - -
<i>C. latipennis</i> (Girault, 1911)	CAN	- - - - -	BC	- MB ON QC	- NS - - -
<i>C. novifasciata</i> (Girault, 1911)	CAN	- - - - -	- - - - -	-	NS - - -
Genus <i>Dicopus</i> Enoch, 1909					
<i>D. halitus</i> Girault, 1917	CAN	- - - - -	- - - - -	QC	- - - - -
Genus <i>Erythmelus</i> Enoch, 1909					
Nearctic review – Triapitsyn et al. 2007					
<i>E. agilis</i> (Enock, 1909)	CAN	AK NT	- BC	- ON QC PE	- - - - -

FAMILY PERILAMPIDAE

Nearctic generic key – Darling 1997; Nearctic catalogue – Burks 1979h

SUBFAMILY CHRYSOLAMPINAE

New World revision – Darling 1986

Genus *Chrysolampus* Spinola, 18

C. schwarzii Crawford, 1914

C. sisymbrii (Ashmead, 1896)

SUBFAMILY PERILAMPINAE

World generic key – Bouček 1978

Genus *Euperilamnus* Walker.

New World review – Darling 1983

F. triangularis (Sav. 1829)

Genus *Perilampus* Latreille, 1809

World synopsis and keys – Argaman 1990, 1991; generic concepts – Darling 1996; Nearctic revision – Smulyan 1937

World synopses and keys - Tuganhan 1990, 1991; generic concepts - Darming 1990; Nearctic revision - Smulyan 1997	CAN	AB	SK	ON	QC	PE	-	-	-	-
<i>P. anomocerus</i> Crawford, 1914	CAN	-	-	-	AB	SK	-	-	-	-
<i>P. canadensis</i> Crawford, 1914	CAN	-	-	-	-	-	ON	QC	-	-
<i>P. carolinensis</i> Smulyan, 1936	CAN	-	-	-	-	-	-	QC	-	-
<i>P. chrysopae</i> Crawford, 1914	CAN	-	YT	-	BC	AB	SK	MB	ON	QC
<i>P. fulicicornis</i> Ashmead, 1886	CAN	-	-	-	BC	AB	SK	-	ON	QC
<i>P. gahani</i> Smulyan, 1936	CAN	-	-	-	BC	AB	SK	-	-	-
<i>P. hyalinus</i> Say, 1829	CAN	-	-	-	BC	AB	SK	MB	ON	QC
<i>P. muesebecki</i> Smulyan, 1936	CAN	-	-	-	-	-	-	ON	QC	-
<i>P. platigaster</i> Say, 1836	CAN	-	-	-	-	-	-	-	ON	QC
<i>P. prothoracicus</i> Smulyan, 1936	CAN	-	-	-	BC	AB	SK	-	ON	QC
<i>P. robertsoni</i> Crawford, 1914	CAN	-	-	-	-	-	SK	-	ON	-
<i>P. rohweri</i> Smulyan, 1936	CAN	-	-	-	-	-	-	ON	-	-

<i>P. similis</i> Crawford, 1914	CAN	- - - - -	AB	MB	- - - - -	- - - - -	- - - - -	Burks 1979h	
<i>P. stygicus</i> Provancher, 1888	CAN	- - - - -	SK	ON	QC	NB	NS	- - - - -	
<i>P. subcarinatus</i> Crawford, 1914	CAN	- - - - -	AB	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	
<i>P. tristis</i> Maya, 1905	CAN	- - - - -	BC	- - -	ON	QC	PE	- - - - -	
Genus Steffanolampus Peck, 1974	CAN	- - - - -	-	ON	QC	- - - - -	- - - - -	- - - - -	
<i>S. salicetum</i> (Steffan, 1952)									
FAMILY PTEROMALIDAE									
Nearctic generic key – Bouček and Heydon 1997; new Nearctic genera – Bouček 1993; Northwest Europe review and keys – Graham 1969; Nearctic catalogue – Burks 1979h; review of world genera of Trigonoderini and revision of Nearctic species – Heydon 1997									
SUBFAMILY ASAPHESINAE									
= Asaphinae (see Burks and Heraty 2020)									
Genus Asaphes Walker, 1834									
Nearctic revision and world review – Gibson and Vikberg 1998; Nearctic catalogue – Burks 1979h									
<i>A. brevipetiolatus</i> Gibson & Vikberg, 1998	CAN	AK YT	- -	BC AB	- MB	- QC NB	- - -	NF	- Gibson and Vikberg 1998
<i>A. californicus</i> Girault, 1917	CAN	AK YT	- -	BC AB	- - -	- - -	- - -	-	-
<i>A. hirsutus</i> Gibson & Vikberg, 1998	CAN	AK YT NT	-	BC AB SK	MB	- QC NB	PE NS LB	GL	Baur 2005
<i>A. petiolatus</i> (Zetterstedt, 1838)	CAN	- - NT	- -	AB SK	MB	- QC	- - -	-	-
<i>A. suspensus</i> (Nees, 1934)	CAN	AK	- NT	-	BC AB	SK MB	ON QC NB	PE NS	- - -
<i>A. vulgaris</i> Walker, 1834	CAN	- - -	- - -	- - -	-	ON QC	- PE NS	-	GL Burks 1979h
Genus Hyperimerus Girault, 1917									
<i>H. corvus</i> Girault, 1917	CAN	AK	- - -	- - -	- - -	- - -	NB	- - -	- - -
<i>H. pusillus</i> (Walker, 1833)	CAN	- YT	- -	AB	- -	ON QC	NB	PE NS	- - -
SUBFAMILY CEINAE									
Genus Cea Walker, 1837									
<i>C. pulicaris</i> Walker, 1837	CAN	- - - - -	- - - - -	-	ON	- -	PE	- - -	ON-ROM
Genus Spalangiopeleta Masi, 1922									
World revision – Darling 1991									
<i>S. apotherisma</i> Darling & Hanson, 1986	CAN	- - - - -	-	AB	- -	ON QC	- -	NS	- - -
<i>S. canadensis</i> Darling, 1991	CAN	- - - - -	-	BC AB	- -	ON QC	- -	NS	- - -
<i>S. ciliata</i> Yoshimoto, 1977	CAN	- - - - -	- - - - -	-	ON QC	- -	NS	- - -	-
SUBFAMILY CEROCEPHALINAE									
Genus Cerocephala Westwood, 1832									
<i>C. rufa</i> (Walker, 1833)	CAN	- - - - -	- - - - -	-	ON	- - -	- - -	- - -	-
Genus Theocolax Westwood, 1832									
<i>T. elegans</i> (Westwood, 1874)	CAN	- - - - -	-	BC	- -	-	QC	- - -	Burks 1979h
SUBFAMILY CLEONYMINAE									
Phylogenetics and world generic revision – Gibson 2003									
Genus Chalcedectus Walker, 1852									
<i>C. hyalinipennis</i> (Ashmead, 1896)	CAN	- - - - -	- - - - -	-	ON QC	- - -	- - -	- - -	-
Genus Cleonus Latreille, 1809									
<i>C. magnificus</i> (Ashmead, 1888)	CAN	- - - - -	- - - - -	-	QC	- - -	- - -	- - -	Beaulne 1953
Genus Epistenia Westwood, 1832									
<i>E. coeruleata</i> Westwood, 1832	CAN	- - - - -	- - - - -	-	ON	- - -	- - -	- - -	-
Genus Heydenia Förster, 1856									
<i>H. unica</i> Cook & Davis, 1891	CAN	- - - - -	-	BC AB	- - -	- - -	- - -	- - -	-
SUBFAMILY COLOTRECHININAE									
Genus Colotrechus Thomson, 1878									
<i>C. ignotus</i> Burks, 1958	CAN	- - - - -	- - - - -	-	ON	- - -	- - -	- - -	-
SUBFAMILY DIPARINAE									
Genus Dipara Walker, 1833									
<i>D. canadensis</i> Hedqvist, 1969	CAN	- - - - -	- - - - -	-	MB	ON	QC	- - -	-
<i>D. trilineatus</i> (Yoshimoto, 1977)	CAN	- - - - -	- - - - -	-	ON	- - -	- - -	- - -	-
Genus Lelaps Walker, 1843									
<i>L. argenticoxa</i> (Girault, 1916)	CAN	- - - - -	- - - - -	-	- - -	- - -	- - -	- - -	-
<i>L. beckeri</i> Yoshimoto, 1977	CAN	- - - - -	- - - - -	-	ON	QC	- - -	- - -	-
<i>L. striatus</i> Yoshimoto, 1977	CAN	- - - - -	- - - - -	-	ON	- - -	- - -	- - -	-
Genus Netomocera Bouček, 1954									
<i>N. nearctica</i> Yoshimoto, 1977	CAN	- - - - -	- - - - -	-	ON	- - -	- - -	- - -	-
SUBFAMILY EUNOTINAЕ									
Genus Eunotus Walker, 1834									
<i>E. cretaceus</i> Walker, 1834	CAN	- - - - -	- - - - -	-	- - -	- - -	-	NS	NF
<i>E. lividus</i> Ashmead, 1892	CAN	- - - - -	- - - - -	-	ON	QC	- - -	- - -	Burks 1979h

SUBFAMILY EUTRICHOSOMATINAE**Genus *Eutrichosoma* Ashmead, 1899**

<i>E. mirabile</i> Ashmead, 1904	CAN	—	—	—	BC	AB	SK	—	ON	QC	—	—	—	—	—
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Genus *Peckianus* Bouček, 1975

<i>P. laevis</i> (Provancher, 1887)	CAN	—	—	—	—	—	—	—	ON	—	—	—	—	—	—
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SUBFAMILY MACROMESINAE**Genus *Macromesus* Walker, 1848**

<i>M. americanus</i> Hedqvist, 1960	CAN	—	—	—	—	AB	—	—	—	—	—	—	—	—	—
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SUBFAMILY MISCOGASTERINAE**Genus *Ardilea* Graham, 1959**

<i>A. convexa</i> (Walker, 1833)	CAN	AK	—	—	—	—	—	—	—	LB	—	GL	—	—	—
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Genus *Callimerismus* Graham, 1956

<i>C. inusitatus</i> Heydon, 1989	CAN	—	—	—	—	—	—	ON	—	—	—	—	—	—	—
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Genus *Colletitis* Heydon, 1992

<i>C. suecicus</i> (Graham, 1969)	—	—	—	—	—	—	—	—	—	—	—	GL	Baur 2005	—	—
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Genus *Glyphognathus* Graham, 1956

<i>G. laevigatus</i> (Delucchi, 1953)	—	—	—	—	—	—	—	—	—	—	—	GL	Baur 2005	—	—
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G. laevis (Delucchi, 1953)**Genus *Halticoptera* Spinola, 1811**

<i>H. aenea</i> (Walker, 1833)	CAN	—	—	—	—	—	—	ON	—	—	—	Boyce 1939	—	—	—
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H. brodiei Ashmead, 1887

<i>H. circulus</i> (Walker, 1833)	CAN	—	—	—	BC	—	—	ON	QC	—	—	Burks 1979h	—	—	—
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H. goodi Crawford, 1915

<i>H. rosae</i> Burks, 1955	CAN	AK	—	—	—	—	—	SK	ON	—	—	Burks 1979h	—	—	—
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H. triannulata (Erdős, 1946)

<i>G. triannulata</i> (Erdős, 1946)	CAN	—	—	—	—	—	—	SK	—	—	—	—	—	—	—
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Genus *Lamprotatus* Westwood, 1833

<i>L. canadensis</i> Girault, 1917	CAN	—	—	—	—	AB	—	—	—	—	—	Girault 1917	—	—	—
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L. claviger Thomson, 1876

<i>L. conicus</i> Girault, 1917	—	AK	—	—	—	—	—	—	—	—	—	Girault 1917	—	—	—
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L. pschorri Delucchi, 1953

<i>L. truncatus</i> (Fonscolombe, 1832)	CAN	—	—	—	—	—	QC	—	—	—	—	—	—	—	—
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Genus *Mauleus* Graham, 1981

Nearctic review – Heydon 1995	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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M. venetus Heydon, 1995

<i>M. venetus</i> Heydon, 1995	CAN	—	—	—	—	—	—	QC	—	—	—	—	—	—	—
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Genus *Merismus* Walker, 1833

<i>M. lasthenes</i> (Walker, 1848)	CAN	AK	—	NT	—	—	—	—	—	—	—	—	—	—	—
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M. megapterus Walker, 1833

<i>M. splendens</i> Graham, 1969	CAN	—	—	YT	—	—	—	—	—	—	—	—	—	—	—
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Genus *Misogaster* Walker, 1833

<i>M. elegans</i> Walker, 1833	CAN	—	—	—	—	—	—	—	NB	—	—	—	—	—	—
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<i>G. Rhinocoelia</i> Graham, 1956	CAN	AK	—	—	AB	—	—	—	—	—	—	—	—	—	—
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R. constans (Walker, 1836)

<i>G. Seladerna</i> Walker, 1834	CAN	AK	—	—	AB	—	—	—	—	—	—	—	—	—	—
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S. diaeus (Walker, 1844)

<i>S. geniculatum</i> (Zetterstedt, 1838)	CAN	—	—	—	—	—	—	ON	—	—	—	Walker 1844	—	—	—
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S. tarsale (Walker, 1833)

<i>S. vulgaris</i> (Ashmead, 1902)	—	—	AK	—	—	—	—	—	—	—	—	Ashmead 1902	—	—	—
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<i>G. Thinodytes</i> Graham, 1956	—	—	AK	—	—	—	—	—	—	—	—	—	—	—	—
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Nearctic review – Heydon 1995	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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T. caroticus Heydon, 1995

<i>T. caroticus</i> Heydon, 1995	CAN	—	—	—	AB	—	—	ON	QC	NB	—	—	Heydon 1995	—	—
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T. petiolatus Heydon, 1995

<i>G. Tricyclomischus</i> Graham, 1956	CAN	—	—	—	BC	AB	—	—	—	—	—	—	—	—	—
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T. algonquinus Heydon, 1992

<i>T. algonquinus</i> Heydon, 1992	CAN	AK	YT	NT	NU	—	—	MB	—	—	—	NF	—	—	—
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SUBFAMILY ORMOCERINAE	CAN	—	—	—	—	—	—	SK	—	ON	QC	NB	—	NS	—
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Genus <i>Hennadas</i> Crawford, 1909	CAN	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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<i>H. nubilipennis</i> (Ashmead, 1887)	CAN	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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Genus <i>Melancistrus</i> Graham, 1969	CAN	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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M. diplosidii (Eckel, 1903)	CAN	—	—	—	BC	AB	—	SK	MB	ON	QC	—</td

SUBFAMILY PIRENINAE										
Genus <i>Gastrancistrus</i> Westwood, 1833										
<i>G. americana</i> (Ashmead, 1904)	CAN	-	-	-	-	-	ON	-	-	-
<i>G. clavicornis</i> (Girault, 1917)	CAN	-	-	-	-	SK	-	-	-	Girault 1920
<i>G. oblongus</i> (Provancher, 1881)	CAN	-	-	-	-	-	QC	-	-	Provancher 1881
Genus <i>Macroglenes</i> Westwood, 1832										
<i>M. penetrans</i> (Kirby, 1800)	CAN	-	-	-	-	SK	MB	ON	-	Doane et al. 1989
Genus <i>Morodora</i> Gahan, 1933										
<i>M. armata</i> Gahan, 1933	CAN	-	-	-	BC	-	-	-	-	Burks 1979h
SUBFAMILY PTEROMALINAE										
Genus <i>Abomalus</i> Bouček, 1993										
<i>A. masonii</i> Bouček, 1993	CAN	-	-	NT	-	-	-	-	-	-
Genus <i>Acroclisooides</i> Girault & Dodd, 1915										
<i>A. solus</i> Grissell & Smith, 2006	CAN	-	-	-	-	-	ON	-	-	Gariepy et al. 2014
Genus <i>Amphidocius</i> Dzhankokmen, 1974										
<i>A. schickae</i> Heydon & Bouček, 1992	CAN	-	-	-	BC	-	-	-	-	-
Genus <i>Anisopteronotus</i> Ruschka, 1912										
<i>A. calandrae</i> (Howard, 1881)	CAN	-	YT	-	BC	-	-	ON	QC	-
Genus <i>Anognathus</i> Förster, 1856										
<i>A. laricis</i> Bouček, 1966	CAN	-	-	-	BC	-	-	-	-	-
<i>A. piceae</i> (Ruschka, 1921)	CAN	-	-	-	-	-	-	NB	-	-
<i>A. planus</i> Bouček, 1993	CAN	-	-	-	AB	-	ON	-	-	-
<i>A. strobilorum</i> (Thomson, 1878)	CAN	-	-	-	BC	-	-	ON	NB	-
Genus <i>Arachnophorotomalus</i> Gordh, 1976										
<i>A. dasys</i> Gordh, 1976	CAN	-	-	-	-	-	ON	-	-	-
Genus <i>Artibolytus</i> Thomson, 1878										
<i>A. fasciatus</i> (Provancher, 1881)	CAN	-	-	-	-	-	ON	QC	-	-
<i>A. oezbeki</i> Doğanlar, 1978	CAN	-	-	-	BC	-	-	-	-	-
Genus <i>Brachycaudonia</i> Ashmead, 1904										
<i>B. californica</i> Ashmead, 1904	CAN	-	-	-	-	-	ON	-	-	-
<i>B. cyaniceps</i> Bouček, 1993	CAN	-	-	-	-	-	ON	-	-	-
Genus <i>Bubekia</i> Dalla Torre, 1897										
<i>B. lasiopterae</i> (Ashmead, 1893)	CAN	-	-	-	-	-	ON	-	-	-
Genus <i>Caenacis</i> Förster, 1856										
<i>C. cupraeus</i> (Provancher, 1881)	CAN	-	-	-	AB	-	ON	QC	-	Treherne 1916; Provancher 1881
Genus <i>Callicarolynia</i> Heydon, 1989										
<i>C. eruga</i> Heydon, 1989	CAN	-	-	-	AB	-	MB	ON	-	-
Genus <i>Callitula</i> Spinola, 1811										
<i>C. bicolor</i> Spinola, 1811	CAN	-	-	-	-	-	ON	-	-	-
<i>C. nigricornis</i> (Provancher, 1881)	CAN	-	-	-	-	-	QC	-	-	Provancher 1881
Genus <i>Canada</i> Koçak & Kemal, 2008										
<i>C. gracilis</i> (Bouček, 1993)	CAN	-	-	-	-	-	-	-	-	NF -
Genus <i>Capellinia</i> Delucchi, 1958										
<i>C. rufiventris</i> (Girault, 1920)	CAN	-	-	-	BC	-	MB	ON	QC	-
Genus <i>Catolaccus</i> Thomson, 1878										
<i>C. aeneoviridis</i> (Girault, 1911)	CAN	-	-	-	BC	AB	SK	MB	ON	QC NS -
<i>C. crassiceps</i> (Masi, 1911)	CAN	-	-	-	AB	-	-	-	-	-
<i>C. cyanoideus</i> Burks, 1954	CAN	-	-	-	AB	SK	MB	ON	-	-
Genus <i>Cheiropachus</i> Westwood, 1829										
<i>C. obscuripes</i> Brues, 1910	CAN	-	-	-	-	-	ON	-	-	Schedl 1932
<i>C. quadratum</i> (Fabricius, 1787)	CAN	-	-	-	BC	AB	-	ON	QC	-
Genus <i>Chlorocytus</i> Graham, 1956										
<i>C. languriae</i> (Ashmead, 1896)	-	AK	-	-	-	-	-	-	-	Burks 1979h
<i>C. rhodobaenii</i> (Ashmead, 1896)	CAN	-	-	-	-	-	-	-	-	Thompson 1958
Genus <i>Coelopisthia</i> Förster, 1856										
<i>C. fumosipennis</i> Gahan 1909	CAN	-	-	-	-	-	ON	-	-	-
<i>C. suborbicularis</i> (Provancher, 1881)	CAN	-	YT	-	-	-	-	QC	NB	-
Genus <i>Coruna</i> Walker, 1833										
<i>C. clavata</i> Walker, 1833	CAN	AK	-	-	BC	AB	-	MB	ON	OC NB NS -

Genus <i>Cratomus</i> Dalman, 1820	<i>C. leucophthalmus</i> Ashmead, 1888	CAN	-	-	-	-	-	-	-	ON	-	-	-	-	-	Ashmead 1888	
	<i>C. megacephalus</i> (Fabricius, 1793)	CAN	-	-	-	-	BC	-	-	ON	-	-	NS	-	-		
Genus <i>Cryptopyrmina</i> Förster, 1856																	
	Neartic review and key – Heydon 1988a																
Genus <i>Cyclogastrella</i> Bukovskii, 1938																	
	<i>C. simplex</i> (Walker, 1834)	CAN	-	-	-	-	-	-	-	ON	-	-	-	-	-		
Genus <i>Cyrtogaster</i> Walker, 1833																	
	<i>C. britteni</i> Askev, 1965	CAN	-	-	-	-	-	-	-	MB	ON	QC	-	-	-		
	<i>C. capitanea</i> Heydon, 1989	CAN	-	-	NT	-	BC	-	-	ON	-	-	-	-	-		
	<i>C. reburna</i> Heydon, 1989	CAN	-	-	-	-	-	-	-	ON	-	-	-	-	-		
	<i>C. trypherus</i> (Walker, 1843)	CAN	-	YT	NT	-	BC	-	-	ON	QC	-	-	-	-		
	<i>C. vulgaris</i> Walker, 1833	CAN	AK	YT	-	-	BC	AB	-	ON	QC	NB	NS	LB	NF		
Genus <i>Dibrachys</i> Förster, 1856																	
	<i>D. confusus</i> (Girault, 1916)	CAN	-	YT	NT	-	BC	AB	SK	MB	ON	-	NB	-	-		
	<i>D. fuscicornis</i> (Walker, 1836)	CAN	-	-	-	-	-	-	-	ON	-	-	-	-	-		
	<i>D. bians</i> Bouček, 1965	CAN	-	-	-	-	BC	-	-	-	-	-	-	-	-		
	<i>D. maculipennis</i> Szelenyi, 1957	CAN	-	-	-	-	AB	SK	-	-	-	-	-	-	Peck 1969		
	<i>D. microgastri</i> (Bouché, 1834)	CAN	AK	-	-	-	BC	AB	-	ON	QC	NB	PE	NS	NF*	Burks 1979h	
	<i>D. relativus</i> Doğanlar, 1987	CAN	-	-	-	-	AB	-	-	-	-	-	-	-	-		
Genus <i>Diglochis</i> Förster, 1856																	
	<i>D. occidentalis</i> (Ashmead, 1896)	CAN	AK	YT	NT	-	BC	AB	SK	MB	ON	QC	NB	-	NS	-	-
Genus <i>Dimachus</i> Thomson, 1878																	
	<i>D. cingulum</i> (Nees, 1834)	CAN	-	-	-	-	BC	-	-	-	-	-	-	-	-	Rasplus 1989	
Genus <i>Dinarmus</i> Thomson, 1878																	
	<i>D. acutus</i> (Thomson, 1878)	CAN	-	-	-	-	-	-	-	-	-	-	-	-	-		
	<i>D. basalis</i> (Rondani, 1877)	CAN	-	-	-	-	-	-	-	QC	-	-	-	-	-		
Genus <i>Dinotiscus</i> Ghesquière, 1946																	
	<i>D. aponius</i> (Walker, 1848)	CAN	-	-	-	-	BC	-	-	ON	QC	-	NS	-	-		
	<i>D. colon</i> (Linnaeus, 1758)	CAN	-	-	-	-	BC	-	-	ON	-	-	-	-	-	Essig 1926; Schedl 1932	
	<i>D. dendroctoni</i> (Ashmead, 1894)	CAN	-	-	-	-	BC	AB	-	ON	QC	-	-	-	-		
	<i>D. eupterus</i> (Walker, 1836)	CAN	-	-	-	-	BC	-	-	ON	QC	NB	-	NS	-	-	
	<i>D. thomsoni</i> (Crawford, 1912)	CAN	-	-	-	-	BC	-	-	-	-	-	-	-	NF	-	
Genus <i>Doganlaria</i> Koçak & Kemal, 2008																	
	<i>D. daphne</i> (Girault, 1917)	CAN	-	-	-	-	BC	-	-	-	-	-	-	-	-		
Genus <i>Endomychobius</i> Ashmead, 1896																	
	<i>E. flavipes</i> Ashmead, 1896	CAN	-	-	-	-	-	-	-	QC	-	-	-	-	-		
Genus <i>Epipteromalus</i> Ashmead, 1904																	
	<i>E. algonguinensis</i> Ashmead, 1904	CAN	-	-	-	-	-	-	-	ON	-	-	-	-	-		
Genus <i>Eulonchetron</i> Graham, 1966																	
	<i>E. torymoides</i> (Thomson, 1878)	CAN	AK	-	NT	-	AB	-	-	ON	QC	-	-	-	-	Peck 1951	
Genus <i>Eumacepolus</i> Graham, 1957																	
	<i>E. salicis</i> Bouček, 1993	CAN	-	-	-	-	-	-	-	MB	ON	-	-	-	-		
Genus <i>Euneura</i> Walker, 1844																	
	<i>E. lachni</i> (Ashmead, 1887)	CAN	-	-	NT	-	BC	AB	-	MB	ON	QC	NB	-	-	NF	-
	<i>E. sopolis</i> (Walker, 1844)	CAN	AK	-	-	-	BC	-	SK	MB	ON	QC	NB	-	-	-	
Genus <i>Eurydinoteloides</i> Girault, 1913																	
	<i>E. incerta</i> (Ashmead, 1893)	CAN	-	-	-	-	AB	SK	-	ON	-	-	-	-	-		
	<i>E. perdubia</i> (Girault, 1916)	CAN	-	-	-	-	AB	SK	-	ON	QC	-	-	-	-		
Genus <i>Gastracanthus</i> Westwood, 1933																	
	<i>G. conicus</i> (Girault, 1917)	CAN	AK	-	-	-	BC	-	-	MB	ON	QC	-	NS	-	-	
Genus <i>Gbelcia</i> Bouček, 1961																	
	<i>G. cordilurae</i> Bouček, 1993	CAN	-	-	-	-	-	-	-	QC	-	-	-	-	-	Bouček 1993	
Genus <i>Grissellum</i> Bouček, 1993																	
	<i>G. hirtulorum</i> Bouček, 1993	CAN	-	-	-	-	-	-	-	ON	QC	-	-	-	-	Bouček 1993	
Genus <i>Guolima</i> Heydon, 1994																	
	<i>G. psenophaga</i> Heydon, 1994	CAN	-	-	-	-	BC	-	-	-	-	-	-	-	-	Heydon 1994	
Genus <i>Gyrinophagus</i> Ruschka, 1914																	
	<i>G. aper</i> (Walker, 1839)	CAN	-	-	-	-	-	SK	-	ON	QC	NB	-	-	-		
Genus <i>Habritys</i> Thomson, 1878																	
	<i>H. brevicornis</i> (Ratzeburg, 1844)	CAN	-	-	NT	-	BC	-	-	ON	QC	-	-	-	-		
	<i>H. latrus</i> Wallace, 1954	CAN	-	-	-	-	-	-	-	ON	QC	-	-	-	-	Burks 1979h	
Genus <i>Hemitrichus</i> Thomson, 1878																	
	<i>H. seniculus</i> (Nees, 1834)	CAN	-	-	-	-	-	-	-	ON	QC	-	-	-	-	Burks 1979h	

<i>N. scutellaris</i> (Dodd & Girault, 1915)	CAN	- - - - -	MB	ON	- - - - -	-	-	-	-	Heydon 1989
Genus <i>Ogloblinisca</i> Hedqvist, 1968										
<i>O. americana</i> Hedqvist, 1968	CAN	- - - - -	BC	- - -	ON	-	NB	- - - - -	-	
Genus <i>Ottawita</i> Bouček, 1993										
<i>O. masneri</i> Bouček, 1993	CAN	- - - - -	- - - - -	ON	- - - - -	-	-	-	-	
Genus <i>Oxysybus</i> Delucchi, 1956										
<i>O. acanthocini</i> (Ashmead, 1887)	CAN	- - - - -	- - - - -	QC	- - - - -	-	-	-	-	Beaulne 1953
<i>O. facialis</i> (Provancher, 1887)	CAN	- - - - -	- - SK	-	ON QC	-	-	-	-	
Genus <i>Pachycrepoideus</i> Ashmead, 1904										
<i>P. vindemiae</i> (Rondani, 1875)	CAN	- - - - -	BC	- - -	ON	- - - - -	-	-	-	
Genus <i>Pachyneuron</i> Walker, 1833										
<i>P. albutius</i> Walker, 1843	CAN	- YT NT NU	BC	AB SK MB	ON QC	- - - - -	-	-	-	
<i>P. altiscuta</i> Howard, 1884	CAN	- - - - -	- AB SK MB	ON QC	NB	- - - - -	-	-	-	Brown and Clark 1956
<i>P. aphidis</i> (Bouché, 1834)	CAN	- - - - -	BC AB SK MB	ON QC	NB	- - - - -	-	-	-	Wylie and Bisdee 1987
<i>P. californicum</i> Girault, 1917	CAN	- - - - -	BC	- - -	- - - - -	-	-	-	-	
<i>P. eros</i> Girault, 1917	CAN	- - - - -	BC	- - -	- - - - -	-	-	-	-	Proverbs 1957
<i>P. formosum</i> Walker, 1833	CAN	- - - - -	BC	- - -	- - - - -	-	-	-	-	
<i>P. groenlandicum</i> (Holmgren, 1872)	-	- - - - -	- - - - -	- - - - -	- - - - -	-	-	-	-	GL Baur 2005
<i>P. validum</i> Waterston, 1923	CAN	- - - - -	- - - - -	- - - - -	- - - - -	-	-	-	-	Thompson 1958
Genus <i>Panstenon</i> Walker, 1839										
<i>P. poaphilum</i> Heydon, 1992	CAN	- - - - -	AB	- MB	- - - - -	-	-	-	-	Heydon and Bouček 1992
Genus <i>Paracarrotomus</i> Ashmead, 1894										
<i>P. cephalotes</i> Ashmead, 1894	CAN	- - - - -	BC	- - -	- - - - -	-	-	-	-	
Genus <i>Peridesmia</i> Förster, 1856										
<i>P. discus</i> (Walker, 1835)	CAN	- - - - -	- - - - -	- NB	- - - - -	-	-	-	-	
Genus <i>Perniphora</i> Ruschka, 1923										
<i>P. americana</i> Miller, 1965	CAN	- - - - -	- - - - -	- NB	- - - - -	-	-	-	-	
<i>P. robusta</i> Ruschka, 1923	CAN	- - - - -	BC	- - - - -	- - - - -	-	-	-	-	
Genus <i>Platygerrhus</i> Thomson, 1878										
<i>P. algonquinus</i> (Girault, 1917)	CAN	- - - - -	- SK	- ON QC	- - - - -	-	-	-	-	Burks 1979h
<i>P. americanus</i> Hedqvist, 1968	CAN AK	- - - - -	BC	- - - - -	- - - - -	-	-	-	-	Burks 1979h
<i>P. columbianus</i> (Ashmead, 1896)	CAN	- - - - -	- - - - -	ON	- - - - -	-	-	-	-	
Genus <i>Plutothrix</i> Förster, 1856										
<i>P. acuminata</i> (Thomson, 1878)	CAN	- - - - -	- - - - -	ON	- - - - -	-	-	-	-	
<i>P. ascita</i> Heydon, 1997	CAN	- - - - -	- - - - -	ON	- - - - -	-	-	-	-	
<i>P. ceontalis</i> Heydon, 1997	CAN	- - - - -	- - - - -	QC	- - - - -	-	-	-	-	
<i>P. glareosa</i> Heydon, 1997	CAN	- - - - -	- - - - -	SK	- ON QC	- - - - -	-	-	-	
<i>P. pilosiclaiva</i> Heydon, 1997	CAN	- YT	- - - - -	MB	ON QC	- - - - -	-	-	-	
<i>P. smithi</i> Heydon, 1997	CAN	- - - NT	- - - - -	-	ON QC NB	- - - - -	-	-	-	
<i>P. unguitta</i> (Girault, 1917)	CAN	- - - - -	- - - - -	-	ON QC NB	- - - - -	-	-	-	
<i>P. unguicellula</i> Heydon, 1997	CAN	- - - - -	- - - - -	ON	QC	- - - - -	-	-	-	Heydon 1997
Genus <i>Polstonia</i> Heydon, 1988										
<i>P. pelagocorypha</i> Heydon, 1988	CAN	- - - - -	AB SK	- - QC	NB	- - - - -	-	-	-	Heydon 1988
<i>P. quadriplana</i> Heydon, 1988	CAN	- - - - -	NU BC	- -	ON QC NB	- NS	-	-	-	
Genus <i>Psilocera</i> Walker, 1843										
<i>P. rufipes</i> (Ashmead, 1896)	CAN	- - - - -	- - - - -	ON QC	- - - - -	-	-	-	-	
Genus <i>Psilonotus</i> Walker, 1834										
<i>P. achaeus</i> Walker, 1848	CAN	- - - - -	AB	-	ON	- - - - -	-	-	-	
Genus <i>Psychophagus</i> Mayr, 1904										
<i>P. omnivorus</i> (Walker, 1835)	CAN	- - - - -	- - - - -	ON QC NB	- NS	- - - - -	-	-	-	
Genus <i>Pteromalus</i> Swederus, 1795										
<i>P. acutiventris</i> (Peck, 1951)	CAN	- - - - -	- - - - -	QC	- - - - -	-	-	-	-	Provancher 1881
<i>P. anthonomi</i> (Ashmead, 1893)	CAN	- - - - -	BC AB SK	- ON	- - - - -	-	-	-	-	
<i>P. apum</i> (Retzius, 1783)	CAN	- - - - -	- AB	- MB	ON	- - - - -	-	-	-	Hobbs 1968; Jay and Mohr 1987
<i>P. bedeguaris</i> (Thomson, 1878)	CAN	- - - - -	BC AB SK MB	ON	- - - - -	-	-	-	-	Cockerell 1926
<i>P. britanicus</i> (Girault, 1926)	CAN	- - - - -	BC	- - - - -	- - - - -	-	-	-	-	Girault 1926
<i>P. cassotis</i> Walker, 1847	CAN	- - - - -	BC	SK MB	ON QC NB	- - - - -	-	-	-	
<i>P. cerealellae</i> (Ashmead, 1902)	CAN AK	- - - - -	- - - - -	-	QC NB	- - - - -	-	-	-	Burks 1979h
<i>P. coeruleiventris</i> (Ashmead, 1888)	CAN	- - - - -	- AB	- MB	ON	- - - - -	- NS	-	-	
<i>P. cynipidii</i> (Linnaeus, 1758)	- AK	- - - - -	- - - - -	- -	-	- - - - -	-	-	-	Viereck 1923

<i>P. egegius</i> Förster, 1841	CAN	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	Thompson 1958
<i>P. elevatus</i> (Walker, 1834)	CAN	- - - - -	- - - - -	- - - - -	- - - - -	NB	NS	NF	-
<i>P. euryini</i> Gahan, 1913	CAN	- - - - -	- - - AB	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	Provancher 1881
<i>P. fuscipes</i> (Provancher, 1881)	CAN	- - - - -	- - - - -	- - - - -	- - - - -	QC	- - - - -	- - - - -	Provancher 1881
<i>P. galliculus</i> Doğanlar, 1980	CAN	- - - - -	- - BC	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	
<i>P. grisellii</i> Gibson 2013	CAN	- - - - -	- YT	- - - - -	- - ON	- - - - -	- - - - -	- - - - -	
<i>P. melanicus</i> (Provancher, 1881)	CAN	- - - - -	- - - - -	- - - - -	- - QC	- - - - -	- - - - -	- - - - -	Provancher 1881
<i>P. microps</i> (Graham, 1969)	CAN	- - - - -	- - BC AB	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	Burks 1979h
<i>P. onerata</i> Fitch, 1859	CAN	- - - - -	- - - - -	- - - - -	- - ON	- - - - -	- - - - -	- - - - -	
<i>P. phycidis</i> (Ashmead, 1898)	CAN	- - - - -	- - BC SK	- - ON QC NB	PE NS	- - - - -	- - - - -	- - - - -	
<i>P. platyphilus</i> Walker, 1874	CAN	- - - - -	- YT	- - - - -	- - ON QC	- - - - -	- - - - -	- - - - -	
<i>P. puparium</i> (Linnaeus, 1758)	CAN	- - - - -	- - BC AB	SK MB ON QC NB	- NS	- NF	- - - - -	Beaulne 1940	
<i>P. rosae</i> (Girault, 1917)	CAN	- - - - -	- - BC	AB	- - - - -	- - - - -	- - - - -	- - - - -	Peck 1951
<i>P. semotus</i> (Walker, 1834)	CAN	- - - - -	- - - - -	- - SK	- - - - -	- - - - -	- - - - -	- - - - -	
<i>P. sequester</i> Walker, 1835	CAN	- - - - -	- - - - -	- AB	SK MB ON	- - - - -	- - - - -	- - - - -	
<i>P. thyridopterigis</i> Howard, 1897	CAN	- - - - -	- - BC	- - - - -	ON	- - - - -	- - - - -	- - - - -	Waddell 1952
<i>P. venustus</i> Statz, 1938	CAN	- - - - -	- - AB	SK MB ON	- - - - -	- - - - -	- - - - -	- - - - -	
Genus Rhaphitelus Walker, 1934	CAN	- - - - -	- BC AB	SK MB ON QC	- NS	- - - - -	- - - - -	- - - - -	
<i>R. maculatus</i> Walker, 1934	CAN	- - - - -	- BC AB	SK MB ON QC	- - - - -	- - - - -	- - - - -	- - - - -	
Genus Rhopalicus Förster, 1856	CAN	- - - - -	- - - - -	- - QC	- - - - -	- - - - -	- - - - -	- - - - -	Provancher 1888
<i>R. pallipes</i> Provancher, 1888	CAN	- - - - -	- - BC	- - MB ON QC NB	- - - - -	- - - - -	- - - - -	- - - - -	
<i>R. pulchripennis</i> (Crawford, 1912)	CAN	- - - - -	- BC	- - - - -	ON QC NB	- - - - -	- - - - -	- - - - -	Bright 1996, Langor and Raske 1988
<i>R. tutela</i> (Walker, 1836)	CAN	- - - - -	- - BC	- - - - -	ON QC NB	- - - - -	- - - - -	- - - - -	
Genus Roptrocerus Ratzeburg, 1848	CAN	- - - - -	- BC AB	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	
<i>R. brevicornis</i> Thomson, 1878	CAN	- - - - -	- AK NT	BC AB	MB ON QC NB	- NS	- NF	- - - - -	Bright 1996, Langor and Raske 1988
<i>R. xylophagorum</i> (Ratzeburg, 1844)	CAN	- - - - -	- - BC	- - - - -	ON QC NB	- - - - -	- - - - -	- - - - -	
Genus Sceptrotelys Graham, 1956	CAN	- - - - -	- BC	AB	- - - - -	- - - - -	- - - - -	- - - - -	
<i>S. deione</i> (Walker, 1839)	CAN	- - - - -	- BC	SK	ON QC	PE NS	- - - - -	- - - - -	
<i>S. grandiclavata</i> (Walker, 1835)	CAN	- - - - -	- - - - -	- - - - -	ON	- - - - -	- - - - -	- - - - -	
<i>S. parviclavata</i> Graham, 1969	CAN	- - - - -	- - - - -	- - - - -	ON	- - - - -	NS	- - - - -	
Genus Schizomotus Ratzeburg, 1852	CAN	- - - - -	- - AB	- - - - -	ON QC	- - - - -	- - - - -	- - - - -	
<i>S. latus</i> (Walker, 1835)	CAN	- - - - -	- - - - -	- - AB	- - - - -	- - - - -	- - - - -	- - - - -	Thompson 1958
<i>S. rotundiventris</i> (Girault, 1917)	CAN	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	
<i>S. sieboldi</i> (Ratzeburg, 1848)	CAN	- - - - -	- - - - -	- - SK	ON QC	- - - - -	- - - - -	- - - - -	
Genus Sisyridivora Gahan, 1951	CAN	- - - - -	- - - - -	- - - - -	ON QC	- - - - -	- - - - -	- - - - -	
<i>S. cavigena</i> Gahan, 1951	CAN	- - - - -	- - - - -	- - - - -	ON QC	- - - - -	- - - - -	- - - - -	
Genus Spaniopus Walker, 1833	CAN	- - - - -	- - - - -	- - - - -	ON	- - - - -	NS	- - - - -	Gahan 1933
<i>S. dissimilis</i> Walker, 1833	CAN	- - - - -	- - - - -	- - - - -	ON	- - - - -	- - - - -	- - - - -	
Genus Sphegigaster Spinola, 1811	CAN	- - - - -	- - - - -	- - AB	SK MB ON	- NB	- - - - -	- - - - -	
<i>S. aurata</i> (Ashmead, 1904)	CAN	- - - - -	- - - - -	- AB	SK	- - - - -	- - - - -	- - - - -	
<i>S. conchyliatus</i> Heydon, 1988	CAN	- - - - -	- NT	- - - - -	ON QC	- - NS	- - - - -	- - - - -	Heydon and LaBerge 1988
<i>S. cracentis</i> Heydon & LaBerge, 1988	CAN	- - - - -	- - BC	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	
<i>S. euryepomis</i> Heydon & LaBerge, 1988	CAN	- - - - -	- - - - -	- - - - -	ON QC	- - - - -	- - - - -	- - - - -	
<i>S. griseillii</i> Heydon, 1992	CAN	- - - - -	- - - - -	- - - - -	ON QC	- - - - -	- - - - -	- - - - -	
<i>S. pallicornis</i> (Spinola, 1808)	CAN	- - - - -	- - - - -	- - BC	- - - - -	- - - - -	- - - - -	- - - - -	McLeod 1954
<i>S. salicinus</i> Heydon & LaBerge, 1988	CAN	- - - - -	- - NT	- - AB	- - ON QC	- - - - -	- - - - -	- - - - -	
Genus Stenetra Masi, 1931	CAN	- - - - -	- - - - -	- - - - -	- - QC	- - - - -	- - - - -	- - - - -	
<i>S. miyazakii</i> Tselikh & Burks, 2020	CAN	- - - - -	- - - - -	- - - - -	- - QC	- - - - -	- - - - -	- - - - -	
Genus Stenomalina Ghesquière, 1946	CAN	- - - - -	- - - - -	- - BC	- - - - -	- - - - -	- - - - -	- - - - -	
<i>S. gracilis</i> (Walker, 1934)	CAN	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	
Genus Stinoplus Thomson, 1878	CAN	- - - - -	- - - - -	- AB SK	ON	- - - - -	- - - - -	- - - - -	
<i>S. etearchus</i> (Walker, 1848)	CAN	- - - - -	- YT	- - - - -	AB	MB ON QC NB	- NS	- - - - -	
Genus Syntomopus Walker, 1833	CAN	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	
<i>S. americanus</i> Ashmead, 1895	CAN	- - - - -	- - - - -	- AB	SK MB ON QC NB	- NS	- - - - -	- - - - -	
Genus Systellogaster Gahan, 1917	CAN	- - - - -	- - - - -	- - - - -	ON	QC	- - - - -	- - - - -	Burks 1979h
<i>S. ovivora</i> Gahan, 1917	CAN	- - - - -	- - - - -	- - - - -	ON	QC	- - - - -	- - - - -	
<i>S. Tomicobia</i> Ashmead, 1899	CAN	- - - - -	- - BC AB SK	- - - - -	QC	- - - - -	- - - - -	- - - - -	
<i>T. tibialis</i> Ashmead, 1904	CAN	- - - - -	- - BC AB SK	- - - - -	QC	- - - - -	- - - - -	- - - - -	

Genus <i>Toxeuma</i> Walker, 1833	
<i>T. aciculare</i> Heydon, 1988	CAN - - - - - BC - - - ON QC NB - - - - -
<i>T. aquilonium</i> Heydon, 1988	CAN AK - - - BC AB SK - ON QC - - - - -
<i>T. gerra</i> Heydon, 1988	CAN - - - - - - - - - - - NS - - -
<i>T. inopinum</i> Heydon, 1988	CAN - - - - - BC AB - - - - - - - - -
Genus <i>Toxeumelloides</i> Girault, 1913	
<i>T. cavigena</i> Bouček, 1993	CAN - - - - - - - - ON - - - - - - -
Genus <i>Trichomalopsis</i> Crawford, 1913	
<i>T. americana</i> (Gahan, 1933)	CAN - - - - - AB SK MB - - NB PE NS - - -
<i>T. dubia</i> (Ashmead, 1896)	CAN - YT - - BC AB SK MB ON QC - - - - -
<i>T. fucicola</i> (Walker, 1835)	- - - - - - - - - - - - - - -
<i>T. hemiptera</i> (Walker, 1835)	CAN - - - - - BC - - - ON - NB - NS - - -
<i>T. peregrina</i> (Graham, 1969)	CAN - - - - - BC - - - ON QC - - - - - -
<i>T. sarcophagae</i> (Gahan, 1914)	CAN - - - - - AB SK MB - - - - - - - -
<i>T. subapterus</i> (Riley, 1885)	CAN - - - - - - - - ON QC NB PE - - - -
<i>T. tachinae</i> (Gahan, 1917)	CAN - - - - - - - - ON QC - - - - - -
<i>T. viridascens</i> (Walsh, 1861)	CAN - - - - - BC AB - MB ON QC NB - NS - -
Genus <i>Trichomalus</i> Thomson, 1878	
<i>T. lucidus</i> (Walker, 1835)	CAN - - - - - BC AB SK - ON QC - - - - -
<i>T. perfectus</i> (Walker, 1835)	CAN - - - - - - - - ON QC - - - - - -
Genus <i>Trimeromicrus</i> Gahan, 1914	
<i>T. maculatus</i> Gahan, 1914	CAN - - - - - BC AB SK - ON QC - - - - -
Genus <i>Tritneptis</i> Girault, 1908	
<i>T. affinis</i> (Nees, 1834)	CAN - - - - - - - - - - - - - - - - -
<i>T. diprionis</i> Gahan, 1938	CAN - - - - - - - - ON QC - - - - - -
<i>T. hemerocampae</i> Girault, 1908	CAN - - - - - BC - - - ON QC NB PE NS - -
<i>T. klugii</i> (Ratzburg, 1844)	CAN AK - - - BC - SK MB ON QC NB - NS - -
<i>T. scutellata</i> (Muesebeck, 1927)	CAN - - - - - - - - - ON - - - - - - -
Genus <i>Urolepis</i> Walker, 1846	
World review – Gibson 2000	
<i>U. maritima</i> (Walker, 1834)	CAN AK - - - - AB - - - QC - - - - - -
<i>U. rufipes</i> (Ashmead, 1896)	CAN - - - - - BC AB - MB ON - NB PE - - -
Genus <i>Vrestovia</i> Bouček, 1961	
<i>V. brevior</i> Bouček, 1993	CAN - - - - - BC AB SK - ON QC NB - - - - -
Genus <i>Xiphydriphagus</i> Ferrière, 1952	
<i>X. meyerickii</i> (Ratzburg, 1848)	CAN - - - - - - - - ON QC - - - - - -
Genus <i>Zdenekiana</i> Huggert, 1976	
<i>Z. squama</i> Huggert, 1979	CAN - - - - - - - - - QC - - - - - -
SUBFAMILY SPALANGHIINAE	
New World revision – Gibson 2009	
Genus <i>Spalangia</i> Latreille, 1805	
<i>S. alyxia</i> Gibson, 2009	CAN - - - - - AB - - - - - - - - - - -
<i>S. cameroni</i> Perkins, 1910	CAN - - - - - AB - - ON - NB PE - - - -
<i>S. drosophilae</i> Ashmead, 1887	CAN - - - - - BC AB - MB ON QC - - NS - -
<i>S. endius</i> Walker, 1839	CAN - - - - - AB - - ON QC - - - - -
<i>S. erythromera</i> Förster, 1850	CAN AK - - - BC AB SK MB ON QC NB PE - - -
<i>S. gemina</i> Bouček, 1963	CAN - - - - - AB - - - - - - - - -
<i>S. haematobiae</i> Ashmead, 1894	CAN - - - - - BC AB - - ON QC NB PE - - -
<i>S. nigra</i> Latreille, 1805	CAN - - - - - BC AB - - ON QC NB - - - -
<i>S. nigroaenea</i> Curtis, 1839	CAN - - - - - BC AB - - ON - NB - - - -
<i>S. nigroides</i> Gibson, 2009	CAN - - - - - - - - - ON QC - - - - - -
<i>S. subpunctata</i> Förster, 1850	CAN - - - - - AB - - ON QC NB PE - - - -
	Heydon and Grissell 1988
	Burks 1979h
	Fletcher 1890
	Gibson and Floate 2001
	Gibson and Floate 2001
	Graham 1969
	Burks 1979h
	AK-Richmond et al. 1995; SK-Baird 1949; MB-Baird 1948; NB,NS-Peck 1963
	Gibson 2000
	Noronha et al. 2007
	Gibson 2009
	Gibson 2009
	Burks 1979h
	Gibson 2009
	Gibson 2009
	BC,NB-Burks 1979h; AB- Gibson 2009

SUBFAMILY UNDETERMINED**Genus *Eriestus* Crawford, 1910**

<i>E. winnemana</i> Crawford, 1910	CAN	- - - - -	SK	MB	ON	QC	- - - - -
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FAMILY SIGNIPHORIDAE

Nearctic generic keys – Woolley 1988, 1990, 1997b; Nearctic catalogue – Gordh 1979b

Genus *Signiphora* Ashmead, 1880Key to species groups – Woolley 1988, *S. flavopalliata* species group – Woolley and Dal Molin 2017

<i>S. pulchra</i> Girault, 1913	CAN	- - - - -	ON	- - - - -
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FAMILY TETRACAMPIDAE

Nearctic key to genera – Bouček 1993; Nearctic generic key – Bouček 1997b; World catalogue – Bouček 1958

SUBFAMILY PLATYNOCHEILINAE**Genus *Platynocheilus* Westwood, 1837**

Holartic key – Bouček 1993

<i>P. aeneus</i> Bouček, 1993	CAN	- - - - -	AB	-	ON	- - - - -
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SUBFAMILY TETRACAMPINAE**Genus *Dipriocampe* Bouček, 1957**

World key – Ferrière 1935

<i>D. diprioni</i> (Ferrière, 1935)	CAN	- - - - -	ON	QC	NB	- - - - -	Baird 1938
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Genus *Epiclerus* Haliday, 1844

New World revision – Yoshimoto 1978

<i>E. acutus</i> Bouček, 1993	CAN	- - - - -	ON	QC	- - - - -
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<i>E. nearcticus</i> Yoshimoto, 1978	CAN	- - - - -	ON	QC	- - - - -
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FAMILY TORYMIDAE

Nearctic generic key – Grissell 1997; Nearctic catalogue – Grissell 1979; world catalogue and key to bee parasitoids – Grissell 2007; family group reclassification – Janšta et al. 2018

SUBFAMILY GLYPHOMERINAE**Genus *Glyphomerus* Förster, 1856**

<i>G. stigma</i> (Fabricius, 1793)	CAN	AK	YT	NT	-	BC	AB	SK	MB	ON	QC	- - - - -	Provancher 1881
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SUBFAMILY MICRODONTOMERINAE**Genus *Eridontomerus* Crawford, 1907**

<i>E. biroi</i> Ruschka, 1923	CAN	- - - - -	AB	-	ON	- - - - -	-	-	-	-	-	-	Janšta et al. 2018
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Genus *Idiomacromerus* Crawford, 1914

<i>I. perplexus</i> (Gahan, 1914)	CAN	- - - - -	AB	-	ON	- - - - -	-	-	-	-	-	-	Richards and Hanna 1982
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<i>I. terebrator</i> (Masi, 1916)	CAN	- - - - -	ON	- - - - -
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Genus *Microdontomerus* Crawford, 1907

<i>M. anthonomi</i> (Crawford, 1907)	CAN	- - - - -	BC	-	ON	- - - - -
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SUBFAMILY MONODONTOMERINAE**Genus *Monodontomerus* Westwood, 1833**

New World revision – Grissell 2000; World revision – Gahan 1941

<i>M. aeneus</i> (Fonscolombe, 1832)	CAN	- - - - -	BC	-	ON	- - - - -	-	-	-
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<i>M. aereus</i> Walker, 1834	CAN	- - - - -	ON	- - - - -	NS	- - -
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<i>M. bakeri</i> Gahan, 1941	CAN	- - - - -	BC	AB	-	-	-	-	-	-	-	Grissell 1995
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<i>M. dentipes</i> (Dalman, 1820)	CAN	- - - - -	MB	ON	QC	NB	-	-	-	-	-	Baird 1941; Baird 1938
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<i>M. mandibularis</i> Gahan, 1941	CAN	- - - - -	SK	-	QC	-	-	-	-	-	-	-
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<i>M. menticle</i> Grissell, 2000	CAN	- - - - -	AB	-	ON	- - - - -
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<i>M. minor</i> (Ratzeburg, 1848)	CAN	- - - - -	BC	-	ON	NB	-	-	-	-	-	Coppel 1951
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<i>M. montivagus</i> Ashmead, 1890	CAN	- - - - -	BC	AB	SK	MB	ON	QC	-	-	-	
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<i>M. obscurus</i> Westwood, 1833	CAN	- - - - -	AB	-	ON	- - - - -
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<i>M. osmiae</i> Kamijo, 1963	CAN	- - - - -	BC	-	ON	- - - - -
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<i>M. parkeri</i> Grissell, 2000	CAN	- - - - -	AB	-	ON	- - - - -
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<i>M. torchioi</i> Grissell, 2000	CAN	- - - - -	BC	-	ON	- - - - -
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<i>M. viridiscapus</i> Gahan, 1941	CAN	- - - - -	BC	-	ON	- - - - -
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<i>Genus <i>Zaglyptonotus</i> Crawford, 1914</i>	CAN	- - - - -	AB	SK	-	-	-	-	-	-	-	Grissell 2000
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<i>Z. mississippiensis</i> Breland, 1938	CAN	- - - - -	AB	SK	-	-	-	-	-	-	-	Sharkey et al. 1987
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Genus <i>Zdenekius</i> Grissell, 1993	CAN	- - - - -	ON	QC	NB	-	-	-	-	-	-	Grissell 1993
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SUBFAMILY TORYMINAE**Genus *Diomorus* Walker, 1834**

<i>D. viridis</i> (Provancher, 1887)	CAN	- - - - -	QC	-	-	-	-	-	-	-	-	Provancher 1887
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Genus *Pseudotorymus* Masi, 1921

<i>P. lazulellus</i> (Ashmead, 1890)	CAN	- - - - -	BC	AB	-	ON	QC	NB	PE	NS	NF	-
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Genus *Torymus* Dalman, 1820

Holarctic partial key – Grissell et al. 2004; updated key to *T. fullaway* species group – Grissell 1992; western Nearctic revision – Grissell 1976; Nearctic review – Huber 1927

FAMILY TRICHOGRAMMATIDAE

New World generic review – Pinto 2006; Nearctic generic key – Pinto 1997; Nearctic catalogue – Burks 1979i.

SUBFAMILY OLIGOSITINAE

Genus *Aphelinoidea* Girault, 1911

Review of Palaearctic species including *A. neomexicana* Girault, 1915 – Triapitsyn 2018

SUBFAMILY TRICHOGRAMMATINAEGenus *Hydrophyllita* Ghesquière, 1946

Key to species – Querino and Pinto 2007

<i>H. aquivolans</i> (Matheson & Crosby, 1912)	CAN	– – – – – – – – – – ON	– – – – – – – – – –
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Genus *Pintoa* Viggiani, 1988

<i>P. nearctica</i> Viggiani, 1988	CAN	– – – – – – – – – – ON QC	– – – – – – – – – – Viggiani 1988; Pinto 2006
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Genus *Soikiella* Novicki, 1934

World key – Velten and Pinto 1990

<i>S. occidentalis</i> Velten & Pinto, 1990	CAN	– – – – BC AB	– – – – – – – – – – Pinto 2006
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Genus *Trichogramma* Westwood, 1833

Nearctic revision and key – Pinto 1999

<i>T. acutovirilia</i> Pinto, 1999	CAN	– – – – – – – – – – QC	– – – – – – – – – – Pinto 1999
<i>T. alpha</i> Pinto, 1999	CAN	– – – – – – MB ON QC	– PE – – – – – – Pinto 1999
<i>T. arcanum</i> Pinto, 1999	CAN	– – – – – – – – – – ON	– – – – – – – – – –
<i>T. aurosum</i> Sugonjaev & Sorokina, 1976	CAN AK	– – – BC AB	– ON QC – – – – – – Pinto 1999
<i>T. ballmeri</i> Pinto, 1999	CAN	– – – – – – AB	– – – – – – – – – – Pinto 1999
<i>T. brassicae</i> Bezdenko, 1968	CAN	– – – – – – AB	– QC – – – – – – Yu and Byers 1994
<i>T. canadense</i> Pinto, 1999	CAN	– – – – – – – – – – ON QC	– – – – – – – – – – Pinto 1999
<i>T. deion</i> Pinto & Oatman, 1986	CAN	– – – – – – BC	– – – – – – – – – – Pinto 1999
<i>T. evanescens</i> Westwood, 1833	CAN	– – – – – – BC	– – – – QC – – – – Fournier and Boivin 2000
<i>T. exiguum</i> Pinto & Platner, 1978	CAN	– – – – – – – – – – QC	– – – – – – – – – – Pinto 1999
<i>T. fasciatum</i> (Perkins, 1912)	CAN	– – – – – – BC	– – – – – – – – – – Pinto 1999
<i>T. inyoense</i> Pinto & Oatman, 1985	CAN AK	– – – – – – SK	– ON QC NB – – – – Pinto 1999
<i>T. japonicum</i> Ashmead, 1904	CAN	– – – – – – – – – – ON	– – – – – – – – – – Pinto 1999
<i>T. julianoi</i> Platner & Oatman, 1981	CAN	– – – – – – – – – – ON	– – – – – – – – – – Pinto 1999
<i>T. marylandense</i> Thorpe, 1982	CAN	– – – – – – – – – – ON	– – – – – – – – – – Pinto 1999
<i>T. minutum</i> Riley, 1871	CAN AK	– – – BC	– MB ON QC NB – NS – – Torgersen 1970; Pinto 1999
<i>T. nemesis</i> Pinto, 1999	CAN	– – – – – – MB	– QC – – – – – – Pinto 1999
<i>T. nomalaki</i> Pinto & Oatman, 1985	CAN	– – – – – – AB	– – – – – – – – – – Pinto 1999
<i>T. parkeri</i> Nagarkatti, 1975	CAN	– – – – – – BC	– – – – ON – NB – – Pinto 1999
<i>T. pintoi</i> Voegeli, 1982	CAN	– – – – – – YT NT	– BC AB – – – – – – Pinto 1999
<i>T. platneri</i> Nagarkatti, 1975	CAN	– – – – – – BC	– – – – – – – – – – Pinto 1999
<i>T. pretiosum</i> Riley, 1879	CAN	– – – – – – BC	– – – – ON QC – – NS – – Fournier and Boivin 2000; Neil and Specht 1990
<i>T. retorridum</i> (Girault, 1911)	CAN	– – – – – – BC	– – MB ON – – – – – – Pinto 1999
<i>T. semblidis</i> (Aurivillius, 1898)	CAN AK	– – – – – – BC AB	– – MB ON – – – – – – Pinto 1999
<i>T. sibiricum</i> Sorokina, 1980	CAN	– – – – – – BC	– – – – – – – – – – Pinto 1999

Genus *Trichogrammatomyia* Girault, 1916

<i>T. tortricis</i> Girault, 1916	CAN	– – – – – – – – – – ON QC NB	– – – – – – – – – – Girault 1916, Peck 1951
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SUPERFAMILY MYMAROMMATOIDEA

FAMILY MYMAROMMATIDAE

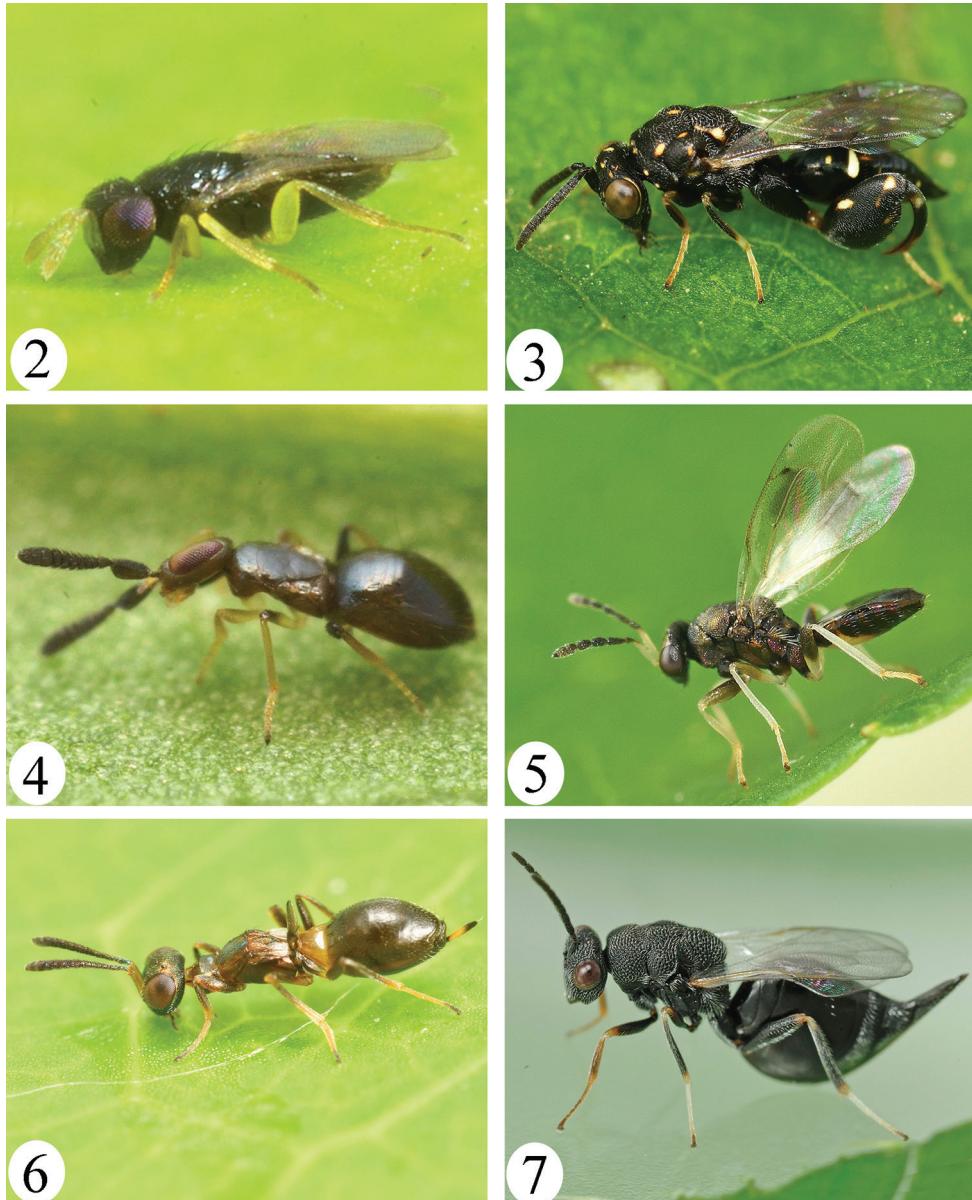
World generic key – Gibson et al. 2007

Genus *Mymaromella* Girault, 1931

World species key – Huber et al. 2008

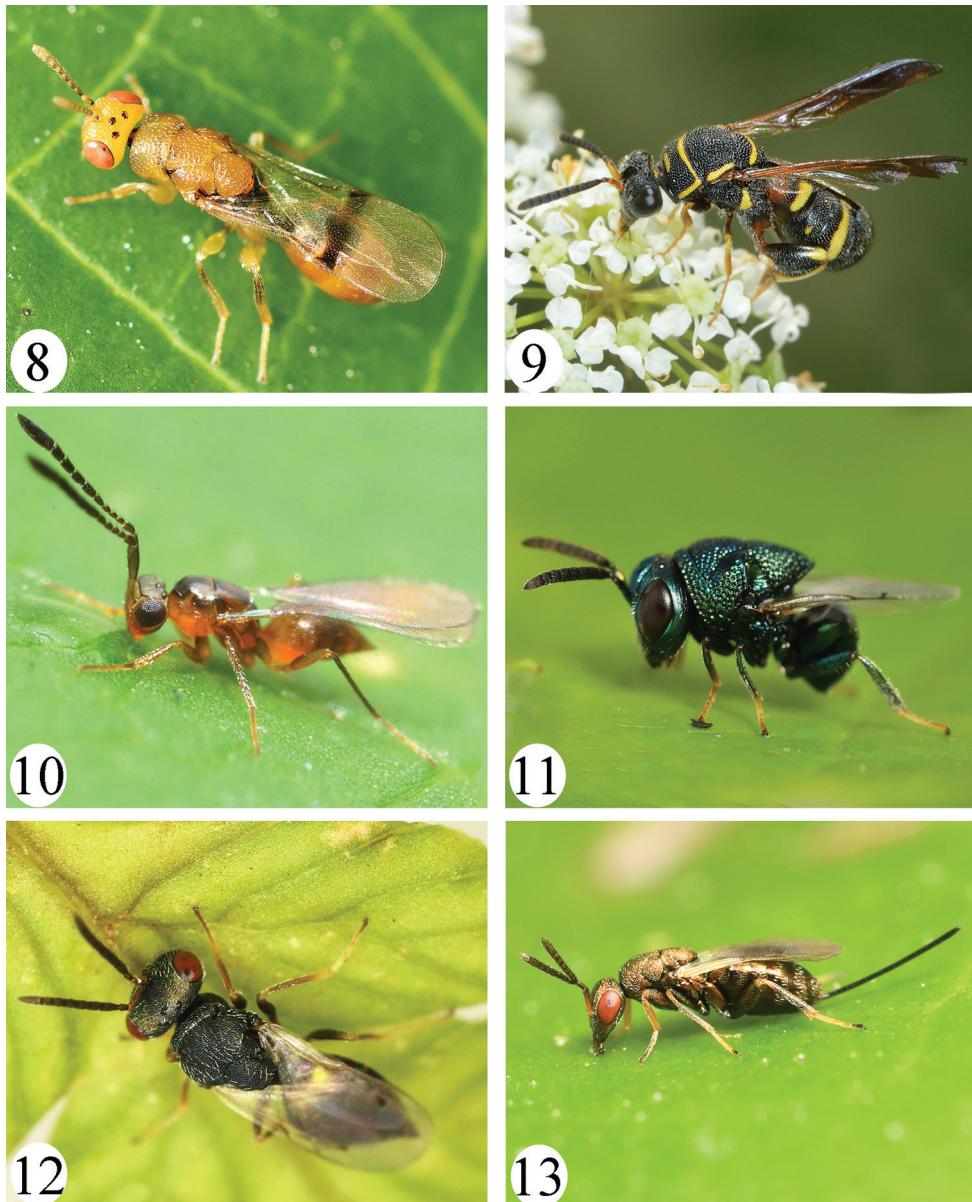
<i>M. pala</i> Huber & Gibson, 2008	CAN	– – – – – – – – – – ON	– – – – – – – – – –
<i>M. palella</i> Huber & Gibson, 2008	CAN	– – – – – – – – – – ON QC NB	– – – – – – – – – –

Based on sequencing of the DNA barcode region of cytochrome oxidase I (*COI*) and using the Barcode Index Number (BIN) criterion of Ratnasingham and Hebert (2013) that 2% sequence divergence is indicative of species differences, Bennett et al. (2019) estimated that there are 3301 species of Chalcidoidea from Canada in the Barcode of Life Data System (BOLD) database (Ratnasingham



Figures 2–7. **2** *Aphelinus* sp. (Aphelinidae), Clear Creek, ON **3** *Conura* sp. (Chalcididae), near St. Williams, ON **4** *Anusia nasicornis* (Encyrtidae), near Marmora, ON. This is the most recent record of an Old World genus and species in the New World, identified by J. Noyes in October, 2019 **5** *Eulophus* sp. (Eulophidae), Fergus, ON **6** *Eupelmus messene* (Eupelmidae) drinking from a water droplet, Forks of the Credit Provincial Park, ON. Until recently, misidentified as the common, polyphagous species *E. vesicularis*; the latter now recorded only from the Old World **7** *Eurytoma gigantea* (Eurytomidae), Fergus, ON. Photos courtesy of S. Marshall.

and Hebert 2007). This represents 2.7 times the number of recorded named species of Chalcidoidea in Canada. These BINs have not yet been reconciled against the names in the checklist so the percent congruence is unknown, but it illus-



Figures 8–13. 8 *Sycophila* sp. (Eurytomidae), near Elora, ON 9 *Leucospis affinis* (Leucospidae) sipping nectar, Ojibway Prairie, ON 10 *Lymaenon* sp. (Mymaridae) drinking from a water droplet, Fergus, ON 11 *Perilampus hyalinus* (Perilampidae), Cedar Creek, ON 12 unidentified genus (Pteromalidae), Belwood, ON 13 *Idiomacromerus* sp. (Torymidae), Ojibway Prairie, ON. Photos courtesy of S. Marshall.

brates that there are many unrecorded species. The comparison of *COI* sequences from unidentified specimens against those of named species in such databases as BOLD will certainly help to reveal yet more species to add to the checklist, e.g., *Anastatus redivvii* (Howard) (Eupelmidae), a recent, accidentally introduced parasi-

toid of the major pest *Halyomorpha halys* Stål (Hemiptera: Pentatomidae) (Gariepy and Talamas 2019).

Compared to Canada, the number of species of Chalcidoidea recorded from Alaska and Greenland is far lower (113 species in 58 genera in 10 families from Alaska and 26 described species in 22 genera in 4 families from Greenland) (Tables 1, 2). The summary of the entomofauna of Greenland (Böcher et al. 2015) included records from six chalcidoid families, but specimens of Aphelinidae and Trichogrammatidae were only identified to genus, and so are not included in our checklist. Relative to Canada, the smaller land masses and more northerly latitudes of Alaska and Greenland definitely contribute to lower species richness, but it is also probable that the numbers are lower than expected because of relatively poor sampling in Alaska and Greenland (as well as in the three Canadian territories, NT, NU and YT). In addition, one species of Chalcidoidea, *Pteromalus elevatus* (Walker, 1834) (Pteromalidae) has been recorded from the French Overseas Collectivity of Saint Pierre and Miquelon Islands (Gargominy et al. 2020). This record is derived from an online database and specimens have not been examined, but this species has been recorded previously from NB, NS and NL (Hoebke and Wheeler 1996).

Two species of Mymaromatoidea are recorded, one known only from Ontario, and one from Ontario, Quebec and New Brunswick (see bottom of Table 2). The latter species (*Mymaromella pala* Huber and Gibson) has also been collected from Montana, USA (Hatten et al. 2011), so it is likely that future collecting in central and western Canada will reveal its presence there as well. This further illustrates the work still needed to obtain reliable records of the species and their distributions in Canada and the rest of North America.

In terms of species richness by distributional area, the political region with the highest recorded number of species of Chalcidoidea is Ontario (852, 68.4% of 1246 species), followed by Quebec (566, 45.4%) and British Columbia (440, 35.3%) (Fig. 1 and Table 1). The greater relative species richness in these areas is certainly strongly influenced by higher sampling effort compared to more northern or central regions (Langor 2019). Despite this bias, higher species diversity is expected in these three provinces relative to most other regions because of the higher number of ecozones and habitats, compared to more northern areas (Scudder 1979).

In total, 235 new species records of Chalcidoidea are reported for Canada, which represents 19.4% of the total number of described species recorded. The number of new Canadian species records by family is shown in Table 1 (in parentheses following the Canada totals). The checklist includes 53 new generic records for Canada (those for which the only Canadian records are shown in boldface in Table 2). All families in our checklist were previously recorded from Canada, although some, like Azotidae (see Heraty et al. 2013) and Megastigmidae (see Janšta et al. 2018), were not recognized as families in previous catalogues (e.g., chapters in Krombein et al. 1979), whereas some other previously recognized families have been subsumed within others, e.g., Elasmidae is now classified as part of Eulophidae (Gauthier et al. 2000). For Alaska, there were 41 new species records (36.3% of the total), 22 new generic records and the families Chalcididae and Eurytomidae are also newly recorded. There were no new records for Greenland.

The distributions given by province and territory for Canada, the state of Alaska for USA, and Greenland must be accepted with caution. Records taken from the literature, particularly pre-1980 records, could be based on misidentifications because of the difficulty in identifying all taxa reliably to species when fewer workable species keys existed. Although Yoshimoto (1984) provided a key to the families and some subfamilies of Chalcidoidea from Canada, a comprehensive key to the genera of the Nearctic region did not exist prior to 1997 (Gibson et al. 1997). The superfamily is so diverse and speciose, even in the relatively cold, mid-to-high latitude region encompassed by our checklist, that the relatively few authorities available, in the past or now, simply could not correctly identify every specimen encountered. In preparing our checklist, there was no time or sufficient expertise for exhaustive study of all specimens from various localities in Canada and comparison with previously identified CNC specimens, which may or may not have been authoritatively and correctly identified in the first place. As often occurs, cataloguing efforts greatly outpace production of taxonomic revisions, including comparative descriptions and comprehensive identification keys to genera or species. Yet, once published, past identifications are the basis of the names and distributions presented in our checklist and had to be included even if some are wrong. Nevertheless, this checklist is our best summary of the current state of knowledge. It provides baseline data for future studies on the taxonomy, natural history and distribution of chalcidoids and will be useful to more applied fields such as the biological control of insect pests.

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