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**World catalog of Mythicomyiidae (Insecta: Diptera)
Revised edition**

Neal L. Evenhuis



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COVER PHOTO: Male of *Acridophagus paganicus* (White), Hobart, Tasmania. Photo: Nathan Butterworth.

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Author Contact Information:
Neal L. Evenhuis
Bishop Museum
1525 Bernice Street
Honolulu, Hawai'i 96817-2704, USA
email: neale@bishopmuseum.org

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INTRODUCTION

The Mythicomyiidae (microbombyliids) have had a confused taxonomic history. Some taxa have been placed at one time or another in the family Acroceridae (species of *Glabellula*), Empididae (e.g., species of *Cephalodromia* and *Mythicomymia collina*), Stratiomyidae (species of *Glabellula*), or Rhagionidae (e.g., species of *Mythicomymia*), and true empidids have been wrongly placed in some mythicomyiid genera (e.g., *Chelipoda pictipennis* Bezzi has been placed in *Cephalodromia* (Smith 1975). Until the 1990s, members of this family have been treated mostly within a broadened concept of Bombyliidae, without corroboration of phylogenetic analysis. Rohdendorf (1961, 1964) was one of the first workers to recognize the uniqueness of this group of flies (treating them under “Cyrtosiinae”) and proposed that they be separated into the Cyrtosiidae, but added that research needed to be done to support his contention.

Mühlenberg (1971a) conducted a phylogenetic analysis of the Bombyliidae as a whole, but reached no conclusion that supported placing the “Cyrtosiinae” outside of the current concepts of the family Bombyliidae. Unfortunately, Mühlenberg’s analysis was limited (using primarily morphological characters of the male and female postabdomen, with emphasis on the female reproductive system). Mühlenberg’s work did have merit in illustrating the usefulness of female characters, which had otherwise gone relatively unnoticed. In the following years, Rohdendorf (1976, 1977, 1980) continued to contend his proposal of splitting his “Cyrtosiidae” from the Bombyliidae, but without detailing the evidence for that proposal.

In 1983, I started work on the higher classification of the Bombyliidae on a subfamily-by-subfamily basis to find and verify monophyletic groups and determine generic concepts and interrelationships within the family as it is currently defined. Evenhuis’s (1990) higher classification of the Usiinae and Phthiriinae contained the first published results of these ongoing investigations. The Mythicomymiinae was the next subfamily to be investigated. The results of analyses by me and others over the years show that the Mythicomymiidae are, indeed, a separate family residing in a sister-clade to the Bombyliidae along with Hilarimorphidae and the anomalous bombyliid *Heterotropus* [proposed by Yeates & Irwin (1992) and Krivosheina (2012) to be raised to family-level (= Heterotropodidae), which is followed here]. Molecular analyses in the past 15 years have continued to place Mythicomymiidae in that virtually same basal clade to the remainder of the Bombyliidae (e.g. Trautwein 2009, Trautwein *et al.* 2010, 2011; Li *et al.* 2020); but those authors (and senior authors) preferred to retain the group as a subfamily within Bombyliidae, except for Lamas & Nihei (2007) who retained Mythicomymiidae as a distinct family. Treating Heterotropodinae at the family-level here removes the existing paraphyly of the Bombyliidae and allows justification of the family level treatment of the Mythicomymiidae. This paper follows the subfamilial groupings of the family proposed in Greathead & Evenhuis (2001b), although current research by Luanna Mendes may change some relationships within the family.

The family is geologically an old one, with an impression fossil of the wing of *Palaeo-platypygyus* dating back to the Jurassic (Kovalev *in* Kalugina & Kovalev 1985). A number of amber and impression specimens are known from the Cretaceous, which is most likely its point of diversification, where the vast majority of fossils in the family are from the phylogenetically basal subfamily Psiloderoidinae. The family is also found in a variety of amber sites in Europe in the Eocene (e.g., Baltic, France, Rovno ambers) and Miocene (Dominican ambers). A recent finding of the extant Canary Islands genus *Reissa* in an Eocene impression fossil in North America (Evenhuis 2019c) lends support to the hypothesis that the family was once more widely distributed and has evolved over time to have some genera represented now by disjunct populations [cf., *Mythenteles* (Evenhuis 2003) and *Mythicomymia* and *Pieza* (Evenhuis 2020a)].

The following is a catalog of all taxonomic names of Mythicomysiidae found in the literature and includes 467 valid taxonomic species in 35 genera. *Nomina nuda* are included and are treated under available nominal species where possible. Specific taxa marked with a dagger (†) are preserved either as amber inclusions or fossil impressions. Extensions of published distributional ranges are presented only for those taxa where specific identifications of material at hand have been confirmed. The format of presentation essentially follows that given in the world catalog of bee flies (Diptera: Bombyliidae) (Evenhuis & Greathead, 1999).

Progress since the original 2002 world catalog

More than 20 years have passed since the original catalog of Mythicomysiidae was published (Evenhuis 2002d). It was hoped that its publication would spur interest into the family and, certainly taxonomically, this has been the case. The number of species now known (467) is a 38% increase over the number listed in 2002 (337) with concerted collecting, continuous research and resulting publications (Chart 1) Much of this activity has taken place in the Palaearctic Region where Babak Gharali and his students have collected (mostly via pan trapping) and studied the family as it occurs in just Iran. If the same level of collecting is done in other areas, it is surmised that the total number of species in the family could easily double worldwide. Work by Carlos Lamas and his students in Brazil are showing the Neotropical realm to be much more diverse in mythicomysiid species than was previously known and new and complex Gondwanan taxa are being found that have a distinct impact on the biogeographic history of the family as well as evolutionary relationships within it. The large arid areas of China and Mongolia remain a vast frontier of high potential for finding new taxa of mythicomysiids, but since the original catalog, only two new species have been described from there (Evenhuis 2019b, Yao & Chen 2019). Expeditions funded primarily by the Schlinger Foundation making extensive use of multiple Malaise traps per site have made collections in Peru, Chile, Argentina, Australia, Madagascar, South Africa, and India, and the thousands of specimens collected from those expeditions are slowly being examined and described. Pan trapping is another collecting method that has shown promise in obtaining mythicomysiids that would otherwise not be collected by flight intercept traps (e.g., low-flying taxa — see below). More pan trapping should be done to help ensure a better estimate of the diversity of the family worldwide.

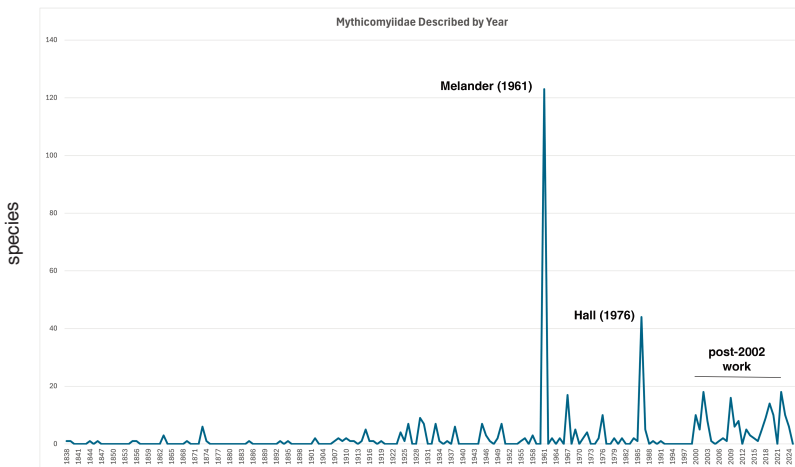


Chart 1. Mythicomysiidae described by year. Anomalous spikes are due to two publications describing mythicomysiids (Melander 1961, Hall 1976). A continuous and concerted effort of study resulting in publications of new taxa since Evenhuis (2000d) is shown at the right.

Although 20 years have passed since the original catalog, still not much is known of the biologies of the immature stages of mythicomyiids where knowledge of larval characters could help resolve putative classifications. Host data and potential or presumed hosts are still known for only six of the 467 species of mythicomyiids. *Psiloderoides mansfieldi* and an undescribed genus and species [the latter misidentified as *Cyrtomorpha flaviscutellaris*], have been reared from grasshopper egg pods in South Africa and Australia, respectively (Hesse, 1967; Fuller, 1938); *Glabellula arctica* has been observed in nests of *Formica* spp. (Meijere, 1924; Andersson 1974, Mielczarek 2018) in Holland, Sweden, and Poland, respectively; a pupa of *Glabellula crassicornis* was found in the USA in a dead locust tree among the frass of an unknown insect and successfully reared to the adult stage (Greene, 1924); *Mythicomymia pusilla* has been recorded as an apparent gregarious parasite of *Anthophora* bee larvae with more than ten larvae feeding on one bee host larva (Thorp, 1969); and an immature of *Mythicomymia pruinosa* was found in an ant midden located beneath a rock (Hall & Evenhuis, 1986). While setting traps of vials in holes in a small cliff in a dry river bed to trap eggs of *Bombylius anthophoroides*, a known parasite of *Anthophora urbana* in California, I instead trapped adult females of *Mythicomymia*. Whether this has any association with other known parasitic behavior of *Mythicomymia* on *Anthophora* could not be verified. Only one additional record was found in the over 15,000 specimens examined during this study: a single specimen of *Glabellula palaestinensis* was found in the stem of *Sorghum*, which was infested with the larvae of the moth *Sesamis* in Egypt. Bowden (1980) stated that “A few species of Mythicomymiinae have been reared from vegetable detritus . . .”, but gave no further details.

Aside from records of flower visitation (most mythicomyiids are collected by sweeping flowers and some species congregate in them as a lekking behavior, much like species of *Usia*), behaviors of Mythicomyiidae are even more rare to be found in the literature than immature biologies. Edwards (1930) described *Mythicomymia pusillima* males as swarming in sunlight in Uruguay and Mühlenberg (1971b) described and illustrated in detail the courtship and mating of an undescribed *Ceratolaemus* (= *Cephalodromia*) in the late afternoon and at dusk in Greece. However, virtually nothing much more has ever been published. I have seen *Mythicomymia* swarm (also in the late afternoon) in a dry stream bed using a large rock as a landmark; sweeping the swarm showed all to be males. *Mythicomymia sedonae* was observed by me in Arizona hovering alone about 1 dm above an *Erigeron* daisy and then dropping onto it to feed. I had seen the same behavior in *Cephalodromia* in South Africa on flowers there (also hovering alone). Mike Irwin (pers. comm.) has seen females of an undescribed genus of mythicomyiid in Argentina each hover a dm or so above dunes and drop to the ground in a similar manner (the abdomen of this species is completely covered with bright silver tomentum that shines in the sunlight and no doubt is used to attract males). *Glabellula* that I have collected from *Eriogonum* in southern California flew much like the small *Perdita* bees they accompanied while searching for flowers and did not drop to land, but settled onto each flower from a much lower elevation (a few millimeters). I have also observed species of *Paraconsors* in New Mexico visiting the flowers of low-growing spotted spurge (*Chamaesyce maculata* [Euphorbiaceae]) and never flew more than a few millimeters above the plants. I had to lie on the ground and view the plants against a light background to be able to see the flies and collect them. Finally, Lamas *et al.* (2023) recorded the first cave dwelling record of a micro-bee fly by the presence of *Tamandua myia bichuetae* at the entrance of a limestone cave in Brazil in all expeditions carried out during a two year monitoring study.

Increased interest in the family has extended beyond taxonomists to photographers where online repositories of photos like *iNaturalist*, *BugGuide* and *Flickr* have helped record and identify a number of new distributional records and has even led to the discovery of a new genus (Evenhuis 2022a). Given the increased in awareness of the family in the last 20 years and posting of photos of live specimens, it is hoped that the family will undergo even more rigorous study with descriptions of new taxa and analyses of their behavior, biology, ecology, and phylogenetic relationships.

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Many people provided critical assistance throughout this study. Without their help and generosity, this product could not have achieved fruition. I am indebted to the following for their help in various ways: Rudolph Abraham (for information on the destruction of types in ZMUH); David Barraclough (for assistance during my visit to NMSA and subsequent assistance with further questions about types in NMSA); John Chainey (for generous assistance during my visits to BMNH and help with checking hard-to-find types or historical information); Margie Cochrane (for her generosity and assistance during my visit to SAMC); Ruth Contreras-Lichtenberg (for a list of mythicomyiid types in NMW and her generosity during my visit there); Roy Danielsson (for his assistance with information on types in MZLU); Jürgen Götze (for his detailed list of mythicomyiid type material in the Strobl Collection in NMBA); Patrick Grootaert (for his generosity, kindness, humor, and assistance during my visit to KBIN); Valery Korneyev (for detailed assistance with the Paramonov Collection in SIZK); Marion Kotrba (for her kindness and generous assistance during my visit to ZMHB and for her help with questions concerning the history of the collection); the late Loïc Matile (for his kindness and assistance during my visit to MNHN); Adrian C. Pont (for his generosity and assistance during my visits to OUMNH); Fabrizio Rigato (for his help in verifying mythicomyiid types in MSNM); Magdi Shaaban Ali El-Hawagry (for his assistance with locating and assessing the status and existence of mythicomyiid types in Egyptian collections); Peter von Tschorsnig (for a list of mythicomyiid types in SMNS); Doreen Werner (for her generosity and assistance during my visit to Germany); Sarah Whitman (for a list of mythicomyiid types in MZHF); Joachim Ziegler (for his generosity and assistance during my visit to DEI). The following provided assistance with questions of authorship and biographical material, obtaining copies of original literature, and/or assistance with publication dating information: Holger Dather (DEI); Reinhard Gaedike (DEI); David Grimaldi (AMNH); Patrick Grootaert (KBIN); Julie Harvey (BMNH); Marion Kotrba (ZMHB); the late Loïc Matile (MNHN); Emilia Nartshuk (ZIS); Adrian Pont (OUMNH); the late F. Christian Thompson (USNM); and the respective staffs of the libraries at BMNH, BPBM, OUMNH, USNM, ZMHB and the Royal Entomological Society, London.

REVISED EDITION ACKNOWLEDGMENTS

A number of people additional to those many listed above have assisted or contributed in ways to help gain further knowledge of these flies and the making of this revised catalog: my good friends and colleagues Babak Gharali (Iran) and Carlos Lamas (Brazil) have been the two most active participants, and where we are with mythicomyiid taxonomy is due in large part to them and their students. Luanna Mendes (Brazil) is currently working on the phylogenetic relationships of the genera of the family and is thanked for her collaboration on many projects as well as insights into the complex morphological relationships of the male and female genitalia of genera in the family. Her ongoing work has helped me understand the family much more in the last few year than all the years I've studied the family! Yardany Ramos-Pastrana (Colombia) and Pavel Sánchez (Peru) are two of hopefully many more new taxonomists working on the taxonomy of the family and are thanked for their offering me to collaborate with them. The late David Greathead spent a generous amount of his time discussing with me taxonomic complexities of the Mythicomyiidae and his support and knowledge of the family (as well as his unsurpassed knowledge of bee flies) I sorely miss. Christine Lambkin (Australia) has assisted with reviews of papers and my work with her on a project to describe the first Australian *Empidideicus* benefitted from her keen eye at discerning similarities and differences at the species level. Yao Gang (China) is thanked for his hospitality during my 2014 visit to China (unfortunately no mythicomyiids were

collected). The late Amnon Freidberg is thanked for his having collected the first new mythicomyiid from China since Séguy (1963). I told him of me seeing some on a trip in 1995 at the Ming Tomb but was frustrated in having had no way of collecting them at the time. As an intended surprise, I soon received a package of mythicomyiid specimens from him that HE had collected at the Ming Tomb two years previous; it now bears his name as *Cephalodromia freidbergi* (Evenhuis 2019b). My Portuguese colleagues Jorge Almeida and Rui Andrade are thanked for their fervent desire to know as much as possible about Mythicomyiidae in the Iberian Peninsula and adjacent areas. My collaborating with them over the years has been an exciting one.

Last but not least are thanks to the photographers and other citizen scientists who have found new records and taxa of bee flies and microbombyliids. Tops among them are Jean and Fred Hort (Australia) whose photos led to the discovery of the new genus *Zyzzarro*. Also thanked is Nathan Butterworth (Australia), whose photo of a lone microbombyliid resting on a trail in Hobart Tasmania turned out to be the first sighting in exactly 100 years (to the day!) of *Acridophagus paganicus*. His observation was noted on social media and attracted the attention of Simon Grove, who alerted me to his having collected two specimens of that same species in northern Tasmania at about the same time and published the first known photograph of the female of the species (Grove *et al.* 2021). No specimens have been seen since. Digital media is transforming how we conduct research and thanks to all who collaborate via that medium in helping better fill out the manifest of passengers living on Spaceship Earth.

This revised edition of the catalog benefitted from review by Babak Gharali, Carlos Lamas and Luanna Mendes. They are thanked for their assistance in making this catalog as accurate as possible. Errors that remain are mine.

SPECIES DISTRIBUTION

	AF	PA	NE	NO	OR	AU	Total	2002
Psiloderoidinae								
<i>Acridophagus</i> Evenhuis						1	1	2
<i>Ahessia</i> Greathead & Evenhuis	1						1	1
<i>Amydrostylus</i> Lamas, Falaschi & Evenhuis				2			2	
<i>Borrisovia</i> Evenhuis†		1					1	
<i>Carmenelectra</i> Evenhuis†		3					3	
<i>Eoacridophagus</i> Myskowiak, Garouste & Nel†		1					1	
<i>Onchopelma</i> Hesse	7						7	7
<i>Palaeoplatypygus</i> Kovalev†		1					1	1
<i>Procyrtosia</i> Zaitzev†		1					1	1
<i>Proplatypygus</i> Hennig†		2					2	1
<i>Psilerooides</i> Hesse	2						2	1
<i>Zyzzarro</i> Evenhuis						1	1	
Unplaced Psiloderoidinae						2	2	
Platypyginae								
<i>Cephalodromia</i> Becker	10	11			3		24	16
<i>Cyrtisopsis</i> Séguy		3					3	4
<i>Cyrtosia</i> Perris	11	35					42	35
<i>Platypygus</i> Loew	2	12	1		1		15	11
Glbellulinae								
<i>Doliopteryx</i> Hesse	12	5					16	12
<i>Eurodoliopteryx</i> Nel†		1					1	
<i>Glbellula</i> Bezzi	5	15	6	7		3	35	19
<i>Glella</i> Greathead & Evenhuis	1			1			2	2
<i>Mnemonymia</i> Bowden	2						2	2
Empidideicinae								
<i>Empidideicus</i> Becker							54	22
<i>Anomaloptilus</i> Hesse	14	3						
<i>Cyrtoides</i> Engel	3	1						
<i>Empidideicus</i> Becker	13	25			1			
Leylaiyinae								
<i>Leylaiya</i> Eflatoun	11	3			1		12	4
<i>Pseudoglbellula</i> Hesse	1						1	1
Mythicomyiinae								
<i>Mitinha</i> Rafael & Limeira-de-Oliveira				1			1	
<i>Mythenteles</i> Hall & Evenhuis		11	2		1		14	4
<i>Mythicomymia</i> Coquillett							183	169
<i>Heterhybos</i> Brèthes			49	11		2		
<i>Mythicomymia</i> Coquillett			95					
Unplaced to subgenus	1	1	17	6	2			
<i>Nexus</i> Hall & Evenhuis			1				1	1
<i>Paraconsors</i> Hall & Evenhuis							7	7
<i>Elachymia</i> Hall & Evenhuis			1					
<i>Paraconsors</i> Hall & Evenhuis			6					
<i>Pieza</i> Evenhuis			6	16			21	11
<i>Reissa</i> Evenhuis & Báez		1	1				2	1
<i>Riga</i> Evenhuis†		1					1	
<i>Tamanduamymia</i> Rafael & Limeira-de-Oliveira				2			2	
Unplaced								
<i>Hesychastes</i> Evenhuis	1						1	
<i>Microburmyia</i> Grimaldi & Cumming†					2		2	
Totals	97	137	185	46	11	9	467	
2002 totals	53	81	182	18	7	4		337

EXPLANATORY INFORMATION

Taxonomic and Nomenclatural Information

1. Scope: This catalog includes all names, available and unavailable according to the I.C.Z.N. *Code* (see below), that apply to the extant (living) and extinct (fossil) members of the family Mythicomyiidae occurring in the world.

2. Adherence to the Code: Wherever possible, all requirements of the *International Code of Zoological Nomenclature* (I.C.Z.N., 1999) have been followed in this catalog.

3. Arrangement of taxa: Names of valid genera are listed alphabetically within higher category (subfamily) and valid subgenera listed alphabetically within genera. Valid species are listed alphabetically within genera or subgenera, and valid infraspecific taxa [varieties and forms (those proposed before 1961), and subspecies] are listed alphabetically within species. Synonyms including all available and unavailable names (genus-group and species-group) and emendations (justified or unjustified) are listed chronologically; variant spellings (termed “errors” and “incorrect original spellings” herein) are placed at the end of the synonyms in chronological order. Unplaceable taxa are listed at the end of the most appropriate taxon (e.g., subgenerically unplaced species at the end of the genus possessing subgenera; subfamiliarily unplaced genera and species at the end of the family treatment).

4. Typographical treatment of names: Genus-group and suprageneric headings are centered with authorship. Taxonomically valid genus-group and species-group names are listed in boldface and placed flush left (uppercase for genus-group names; lowercase for species-group names). Nomenclaturally unavailable species-group names (e.g., *nomina nuda*) that could not be synonymized with a taxonomically valid species are listed alphabetically within genera along with valid species, but are in italics. For species-group names, the full reference with original generic combination and genus-group and species-group orthography, author, year, page, and associated synonyms are indented below the main species-group name entry in chronological order. Incorrect original spellings and errors for species-group names are listed at the end of the list of synonyms without being combined with a genus-group name. Unplaceable and unavailable names (*nomina nuda*, non-binominal names, etc.) above the species level are placed in a list at the end of the appropriate higher taxon.

5. Taxonomic references: References given after each name pertain to the original proposal of that name. Additional (secondary) references are given in brackets when necessary for nomenclatural purposes, or to give secondary citations when an author described the same taxon as new in a different work (when there is more than one secondary reference they are listed in chronological order). Each reference consists of name (genus- or species-group), author(s), year of publication, and page. Nomenclaturally available genus-group names follow this reference line with information on the type species (see below under Section 6). Suppressed and other unavailable genus-group names (*nomina nuda*, unjustified emendations, and incorrect original and subsequent spellings) do not have type species or type specimen information listed. Taxonomically valid species-group names are followed by geographical distribution (see below under Treatment of Geographical Information). The author and date combination can be used to find the corresponding reference in the Literature Cited section. (When authors have published more than one article in the same year, dates are suffixed with letters denoting chronological order.) Authors cited are those responsible for the names listed in accordance with the Code. Authorship by more than one author is listed as in the original work. When authorship of the name is different from the authorship of the work, the citation takes the form, e.g., “*Tabet* in Hall & Evenhuis, 1986”, so that the work can be located in the Literature Cited section (in this case, under “Hall & Evenhuis, 1986”). Spelling of authors’ names follows that most commonly used or, when known, the spelling preferred by the author. Spelling of Russian names takes the predomi-

nant form when transliterated from the Cyrillic to the Roman alphabet or the transliterated form preferred by the author (e.g., “Zaitzev” rather than “Zaytsev” or “Zaitsev”). The year of a work given in the catalog is that which is found to be correct, whether through internal or external evidence. In cases where two or more bibliographic references are given for the same name, e.g., “*Empidideicus turkestanicus* Paramonov, 1934: 17, 19 [1947: 88]”, the nomenclatural availability of the name dates from the first reference. Page numbers cited are those on which the name appears in the original work including cases where reprint pagination predates the journal issue date (having been issued in advance of the published journal article). For certain authors for which works are known from reprinted as well as original editions (e.g., Paramonov), both the original and secondary publication pagination are cited, with the secondary pagination in parentheses, e.g., “*Platypygus algerius* Paramonov, 1929: 199(137)”. When an original and secondary publication were published in different years, the secondary publication is cited in brackets, e.g., “*Empidideicus turkestanicus* Paramonov, 1934: 17, 19 [1947: 88]”.

6. Type species: Most of the information for type species of genus-group names is taken from Evenhuis (1991, 2002d). Type species of genus-group names are listed in their original binomina with original authorship and date irrespective of their citation and orthography at the time of the establishment of the genus-group name. Subgeneric epithets that may have been included in the original establishment of the type species are omitted. The correct nominal type species is listed first, with any senior synonym listed in brackets, e.g. “Type species: *Mythicomymia mutabilis* Melander, 1961 [= *Empidideicus propleuralis* Melander, 1946].” Method of fixation of type species follows Articles 68 and 69 of the Code and uses the terms (in order of precedence according to Articles 68 and 69) “original designation”, “monotypy”, “subsequent designation”, and “subsequent monotypy”. In cases of subsequent monotypy and subsequent designation, the author, date, and page of the designation is given, e.g., “. . . subsequent designation (I.C.Z.N., 1989: 148)”.

7. Homonyms and replacement names: Preoccupied names are noted with annotations in brackets. Genus-group junior homonyms have this bracketed information following the type species information; species-group junior homonyms have this bracketed information following the type locality. Replacement names are listed with the preoccupied name they replace in parentheses after the page reference, e.g., “ACRIDOPHAGUS Evenhuis, 1983a: 318 (new replacement name for *Robertsella* Evenhuis, 1978).”

8. Emendations and variant spellings: Genus-group names published prior to 1991 and associated type species information were checked by me and were published in Evenhuis (1991). There are no known published emendations for genus-group or species-group names in the Mythicomymiidae. Incorrect spellings are not available names, hence are listed in the form: “*Mythicomymia*: [author, year: page], followed by “incorrect original spelling of [taxon name]” in parentheses if the incorrect spelling is an example of more than one spelling for the same taxon found in the original publication. When a name is spelled in more than one way in the original publication, the correct spelling is determined by the First Revisor Principle. Other variant spellings (i.e., incorrect subsequent spellings) are listed as “incorrect spelling of [taxon name].” The listing of these variant spellings is not exhaustive, but reflects those names found in the major reference works that otherwise may lead to confusion as to correct orthography.

9. Gender endings of species-group names: Names in synonymy are cited in their original orthography, but to satisfy Article 30 of the Code, taxonomically valid names have been checked and changed when necessary to ensure that the ending agrees in gender with the genus under which it is presently combined.

10. Nomenclatural changes: Changes in binominal combination, rank, and validity presented for the first time in this catalog are marked in boldface with abbreviated notations (listed in Section 13). With regard to junior synonyms, changes in binomial combination or changes in rank are not annotated.

11. Type depositories: Every effort was made to ascertain the existence of a type or types and its/their type depository(s). The form of citation is indication of the rank of type that currently exists (e.g., syntype, holotype, lectotype, etc.) and the location of the type specimen(s). Codens for collections are those listed in the revised web version of Arnett et al. (1993) (see <http://hbs.bishopmuseum.org/codens>). Primary types that have been examined by me either on site or through loan are indicated by an asterisk (*). The following institutions have been visited by me for the purpose of studying types of Mythicomyiidae: AMS, ANIC, BMNH, BPBM, CAS, CNC, DEI, HNHM, KBIN, MNHN, NMSA, NMW, OUMNH, QM, SAM, SAMC, USNM, ZMHB. Type specimens of Chilean species currently in MEUC were seen by me in the collection of Jack Hall before they were sent for deposition to MEUC. If a lectotype has been previously designated, the citation referring to such a designation is given in parentheses following the rank of type.

Abbreviations used for types:

H = holotype

L = lectotype

N = neotype

S = syntype(s)

T = type (status not ascertained)

Abbreviations for type depositories:

AMS = Australian Museum, Sydney, NSW, Australia

ANIC = Australian National Insect Collection, Canberra, ACT, Australia

ANSP = Academy of Natural Sciences, Philadelphia, Pennsylvania, USA

BMNH = Natural History Museum, London, UK

BPBM = Bernice Pauahi Bishop Museum, Honolulu, Hawai'i, USA

BYU = Brigham Young University, Provo, California, USA

CAS = California Academy of Sciences, San Francisco, California, USA

CEUA = Universidad de Antioquia, Medellín, Antioquia, Colombia

CNC = Canadian National Collection, Ottawa, Ontario, Canada

CUE = Cairo University, Cairo, Egypt

CZMA = Coleção Zoológica do Maranhão, Caxias, Maranhão, Brazil

DEI = Senckenberg Deutsches Entomologisches Institut, Müncheberg, Germany

ESEC = Entomological Society of Egypt, Cairo, Egypt

HMIM = Hayk Mirzayans Insect Museum, Iranian Research Institute of Plant Protection, Tehran

HNHM = Hungarian Natural History Museum, Budapest, Hungary [most Diptera types destroyed during the 1956 insurrection]

INPC = National Pusa Collection, New Delhi, India

IRIPP = *see HMIM*

KBIN = Royal Belgian Institute of Natural History, Brussels, Belgium

LEUA = Laboratorio de Entomología, Universidad de la Amazonia, Florencia, Caquetá, Colombia

MABC = Marcos Báez personal collection, Tenerife, Canary Islands

MACN = Museo Argentino de Ciencias Naturales, Buenos Aires, Argentina

MCSN = Museo Civico di Storia Naturali "Giacamo Doria", Genoa, Italy

MCSV = Museo Civico di Storia Naturali di Venezia, Venice, Italy

MEUC = Universidad de Chile, Santiago, Chile

MHNN = Museum d'Histoire Naturelle, Neuchâtel, Switzerland

MNHG = Museum d'Histoire Naturelle, Genève, France

- MNHN = Museum National d'Histoire Naturelle, Paris, France
 MNHNR = Museum National d'Histoire Naturelle, Rabat, Morocco
 MNNC = Museo Nacional de Historia Natural, Santiago, Chile
 MNRJ = Museu Nacional de Rio de Janeiro, Rio de Janeiro, Brazil
 MSNM = Museo Civico di Storia Naturale, Milan, Italy
 MTD = Museum für Tierkunde, Dresden, Germany.
 MUSM = Natural History Museum, Universidad Nacional Mayor de San Marcos, Lima, Peru
 MZHF = Museum of Zoology, University of Helsinki, Helsinki, Finland
 MZLU = Zoological Museum, University of Lund, Lund, Sweden
 MZUN = Museo dell'Istituto di Zoologia dell'Università di Napoli, Naples, Italy
 MZUSP = Museu de Zoologia, Universidade de São Paulo, São Paulo, Brazil
 NHMM = Natuurhistorisch Museum, Maastricht, Netherlands
 NLE = Neal L. Evenhuis personal collection, Honolulu, Hawai'i, USA
 NMBA = Naturhistorisches Museum, Admont, Austria
 NMNW = National Museum of Namibia, Windhoek, Namibia
 NMSA = Natal Museum, Pietermaritzburg, South Africa
 NMW = Naturhistorisches Museum, Vienna, Austria
 NMWC = National Museum of Wales, Cardiff, UK
 OUMNH = Oxford University Museum of Natural History, Oxford, UK.
 PMHU = Paläontologisches Museum, Berlin, Germany
 PPDD = Ministry of Agriculture, Cairo, Egypt
 PPRI = National Collection of Insects, Pretoria, South Africa
 QM = Queensland Museum, Brisbane, Australia
 SAM = South Australian Museum, Adelaide, Australia
 SAMC = South Africa Museum, Cape Town, South Africa
 SIZK = Schmalhausen Institute of Zoology, Kyiv, Ukraine
 SMNS = Museum für Naturkunde, Stuttgart, Germany
 TAU = Tel Aviv University, Tel Aviv, Israel
 TMUC = Tarbiat Modares University Insect Collection, Tehran, Iran
 UCD = University of California, Davis, California, USA
 UCM = University of Colorado Museum of Natural History, Boulder, Colorado, USA
 UCR = University of California, Riverside, California, USA
 UNKN = Type depository unknown or not traced in this study
 USNM = National Museum of Natural History, Washington, D.C., USA
 ZIS = Zoological Institute, Russian Academy of Science, St. Petersburg, Russia
 ZMFU = Zoologisches Museum, Frei Universität, Berlin
 ZMHB = Museum für Naturkunde, Berlin, Germany
 ZMUC = Natural History museum of Denmark, University of Copenhagen, Copenhagen, Denmark
 ZMUH = Zoologisches Museum und Institut, Hamburg, Germany
 ZMUM = Zoological Museum, University of Moscow, Russia
 ZSI = Zoological Survey of India, Kolkata, India
 ZSMC = Zoologische Staatssammlung des Bayern, Munich, Germany

12. Miscellaneous annotations: Unavailable names are listed under their current synonym (if known), without type locality, depository, or distributional information, and are followed by “*Nomen nudum*” or other reason for their unavailability. When synonymy is not known for them, they are listed alphabetically under the currently accepted generic combination. New combinations and/or synonymy for *nomina nuda* are not annotated as such. Other annotations are added in brackets for various circumstances such as nomenclatural actions that clarify usage, etc.

13. Abbreviations and symbols: The following abbreviations and symbols are used throughout the catalog:

† = fossil taxon

[A] = amber fossil

[C] = compression/impression fossil

Code = International Code of Zoological Nomenclature

ed(s). = editor(s)

f. = form

I.C.Z.N. = International Commission on Zoological Nomenclature

I(s) = Island(s)

in litt. = *in litteris*

Mt(s) = Mount/Mountain(s)

P(p). = page(s)

pers. comm. = personal communication

var. = variety

Treatment of Geographical Information

1. Zoogeographical realm delimitation: The zoogeographical realms used here are Afrotropical, Australasian, Nearctic, Neotropical, Oriental, and Palaeartic. Delimitation of the Afrotropical and Australasian realms are based primarily on the boundaries defined in Kirk-Spriggs (2017) (Afrotropical) and Evenhuis (1989) (Australasian). The boundaries for the remainder of these realms are based on political boundaries as this provided a convenient and absolute delimitation, although they may be at odds with realms from a zoological standpoint. For the delimitation between the Nearctic and Neotropical Regions, the boundaries in Mexico are based on the following: **Nearctic** (Aguascalientes, Baja California, Chihuahua, Coahuila de Zaragoza, Colima, Distrito Federal, Durango, Guanajuato, Guerrero, Hidalgo, Jalisco, México, Michoacán, Morelos, Nayarit, Nuevo León, Puebla, Querétaro, San Luis Potosí, Sinaloa, Sonora, Tamaulipas, Tlaxcala, Veracruz, Zacatecas). **Neotropical** (Campeche, Chiapas, Oaxaca, Quintana Roo, Tabasco, Yucatán). For the delimitation of the Oriental and Palaeartic Regions, the boundaries in China are based on the following: **Oriental** (Fujian, Guangdong, Guangxi, Guizhou, Hainan, Hong Kong, Hunan, Jiangxi, Shanghai, Yunnan, Zhejiang); **Palaeartic** (Anhui, Beijing, Gansu, Hebei, Heilongjiang, Henan, Hubei, Jiangsu, Jilin, Liaoning, Nei Monggol, Ningxia, Qinghai, Shanxi, Shaanxi, Shandong, Sichuan, Tianjin, Xinjiang, Xizang).

2. Type localities: Only the country, island group, or state or province are listed depending on the format. In cases where the original citation of the type locality differs from a contemporary geopolitical entity, the country or main geopolitical unit of the type locality is cited in full as given in the original publication and placed in quotes. The type locality is followed by supplemental distributional information, if known, separated from the type locality by a semicolon. When more than one type locality is listed by the author and no lectotype has been designated, these localities are listed with each locality connected by an ampersand, or are cited verbatim, e.g., “Greece” & “Turkey”; “Persie.” When a lectotype has been designated from one of the original localities, only the lectotype locality is listed without further annotation. Some countries and island groups are broken down to states, provinces, archipelagos, overseas or other outside dependencies, and smaller island groups. These “sublocalities” are placed in parentheses after the main locality, e.g., “Australia (NSW),” “USA (California)”. If the type locality was not given in the original description or in any other part of the original work, the term “Not given” is used.

3. Fossil Taxa: Species originally described from fossils are listed with form of preservation (amber, or compression/impression), their known geographical distribution, as well as their geological horizon (e.g., Miocene, Oligocene, Eocene).

4. Distribution: Complete distributional information as is known from the literature is listed in alphabetical order with additional records from unpublished information that has been verified to the best possible extent. Localities preceded by a query are considered questionable for purposes of this catalog.

5. Abbreviations: The following abbreviations are used in the geographical treatment of the catalog:

ACT = Australian Capital Territory (Australia)

AF = Afrotropical

AU = Australasian

DC = District of Columbia (USA)

incl. = including

NE = Nearctic

NSW = New South Wales (Australia)

NT = Northern Territory (Australia)

NO = Neotropical

OR = Oriental

PA = Palaearctic

Qld = Queensland

SA = South Australia (Australia)

Tas = Tasmania

UAE = United Arab Emirates

USA = United States of America

5. Geographical equivalents: Countries and states and provinces within countries listed in the distribution for each species follow current Anglo-American orthography. An exception is the eastern European republic of Georgia, for which “Gruzia” is used so as to avoid confusion with the USA state of Georgia.

6. Geographical areas broken down below country level: The following countries are broken down to state/province/island, etc. Australia, Brazil, Canada, India, Mexico, Russia, South Africa, and the United States. The following countries have off-shore islands or island-groups listed in parentheses: France, Greece, and Italy.

THE CATALOG

Subfamily PSILODEROIDINAE Hull

Genus ACRIDOPHAGUS Evenhuis

Cyrtomorpha White, 1916: 185. Type species: *Cyrtomorpha paganica* White, 1916, by monotypy. [Preoccupied by Graff, 1882.]

Robertsella Evenhuis, 1978: 247 (new replacement name for *Cyrtomorpha* White, 1916). Type species: *Cyrtomorpha paganica* White, 1916, automatic. [Preoccupied by Guinot, 1969.]

ACRIDOPHAGUS Evenhuis, 1983a: 318 (new replacement name for *Robertsella* Evenhuis, 1978). Type species: *Cyrtomorpha paganica* White, 1916, automatic.

paganicus

Cyrtomorpha paganica White, 1916: 186. TYPE LOCALITY: Australia (Tas) [H in BMNH*].

DISTRIBUTION: **Australasian**: Australia (Tas).

Genus AHESSEA Greathead & Evenhuis

AHESSEA Greathead & Evenhuis, 2001b: 132. Type species: *Cyrtisopsis crassirostris* Hesse, 1967, by original designation.

crassirostris

Cyrtisopsis crassirostris Hesse, 1967: 98. TYPE LOCALITY: South Africa (Eastern Cape) [L designated by Evenhuis (1993: 95) in SAMC*].

DISTRIBUTION: **Afrotropical**: Namibia, South Africa (Eastern Cape).

Genus AMYDROSTYLUS Lamas, Falaschi & Evenhuis

AMYDROSTYLUS Lamas, Falaschi & Evenhuis, 2015: 404. Type species: *Amydrostylus triadicophallus* Lamas, Falaschi & Evenhuis, 2015, by original designation.

martinsi

Amydrostylus martinsi Mendes, Evenhuis, Limeira-de-Oliveira & Lamas, 2023: 3. TYPE LOCALITY: Brazil (Pernambuco) [H in MZUSP].

DISTRIBUTION: **Neotropical**: Brazil (Pernambuco).

triadicophallus

Amydrostylus triadicophallus Lamas, Falaschi & Evenhuis, 2015: 404. TYPE LOCALITY: Brazil (Mato Grosso do Sul) [H in MZUSP].

DISTRIBUTION: **Neotropical**: Brazil (Mato Grosso do Sul).

Genus BORISSOVIA Evenhuis

BORISSOVIA† Evenhuis, 2002e: 13. Type species: *Proplatypygus rohdendorfi* Zaitzev, 1986, by original designation.

rohdendorfi†

Proplatypygus rohdendorfi Zaitzev, 1986: 815. TYPE LOCALITY: Russia (Siberia) [H in ZMUM*].

DISTRIBUTION: **Palaearctic**: Russia (Siberia) (Cretaceous) [A].

Genus CARMENELECTRA Evenhuis

CARMENELECTRA† Evenhuis, 2002e: 11. Type species: *Carmenelectra shechisme* Evenhuis, 2002, by original designation & monotypy.

pernigra†

Carmenelectra pernigra Evenhuis, 2013: 376. TYPE LOCALITY: Baltic Region [H in BPBM*].

DISTRIBUTION: **Palaeartic**: Baltic Region (Eocene) [A].

shechisme†

Carmenelectra shechisme Evenhuis, 2002e: 11. TYPE LOCALITY: Baltic Region [H in DEI*].

DISTRIBUTION: **Palaeartic**: Baltic Region (Eocene) [A].

shehuggme†

Carmenelectra shehuggme Evenhuis, 2013: 377. TYPE LOCALITY: Ukraine (Rovno) [H in SIZK*].

DISTRIBUTION: **Palaeartic**: Ukraine (Eocene) [A].

Genus EOACRIDOPHAGUS Myskowiak, Garrouste & Nel

EOACRIDOPHAGUS† Myskowiak, Garrouste & Nel, 2016: 583. Type species: *Eoacridophagus azari* Myskowiak, Garrouste & Nel, 2016, by original designation.

azari†

Eoacridophagus azari Myskowiak, Garrouste & Nel, 2016: 583. TYPE LOCALITY: France (Le Quesnoy) [H in MNHN].

DISTRIBUTION: **Palaeartic**: France (Eocene) [A].

Genus ONCHOPELMA Hesse

ONCHOPELMA Hesse, 1938: 973. Type species: *Onchopelma pulchella* Hesse, 1938, by original designation.

brevifasciatum

Onchopelma brevifasciatum Evenhuis, 2002c: 3. TYPE LOCALITY: Namibia [H in NMNW*].

DISTRIBUTION: **Afrotropical**: Namibia.

irwini

Onchopelma irwini Evenhuis, 2002c: 6. TYPE LOCALITY: Namibia [H in NMNW*].

DISTRIBUTION: **Afrotropical**: Namibia.

karooanum

Onchopelma karooanum Hesse, 1967: 105. TYPE LOCALITY: South Africa (Western Cape) [H in SAMC*].

DISTRIBUTION: **Afrotropical**: South Africa (Western Cape).

majus

Onchopelma majus Evenhuis, 2002c: 7. TYPE LOCALITY: Namibia [H in NMNW*].

DISTRIBUTION: **Afrotropical**: Namibia.

nitidum

Onchopelma nitidum Evenhuis, 2002c: 9. TYPE LOCALITY: Namibia [H in CAS*].

DISTRIBUTION: **Afrotropical**: Namibia.

pulchellum

Onchopelma pulchella Hesse, 1938: 976. TYPE LOCALITY: Namibia [H in BMNH*].
DISTRIBUTION: **Afrotropical**: Namibia.

trilineatum

Onchopelma trilineata Hesse, 1938: 978. TYPE LOCALITY: Namibia [H in BMNH*].
DISTRIBUTION: **Afrotropical**: Namibia.

Genus PALAEOPLATYPYGUS Kovalev

PALAEOPLATYPYGUS† Kovalev in Kalugina & Kovalev, 1985: 186. Type species:
Palaeoplatypygus zaitzevi Kovalev, 1985, by original designation.

zaitzevi†

Palaeoplatypygus zaitzevi Kovalev in Kalugina & Kovalev, 1985: 187. TYPE LOCALITY:
Russia (Siberia) [H in ZMUM*].
DISTRIBUTION: **Palaeartic**: Russia (Siberia) (Jurassic) [C].

Genus PROCYRTOSIA Zaitzev

PROCYRTOSIA† Zaitzev, 1986: 817 [1987: 152]. Type species: *Procyrtosia sukatshevae*
Zaitzev, 1986, by original designation.

sukatshevae†

Procyrtosia sukatshevae Zaitzev, 1986: 817 [1987: 152]. TYPE LOCALITY: Russia
(Siberia) [H in ZMUM*].
DISTRIBUTION: **Palaeartic**: Russia (Siberia) (Cretaceous) [A].

Genus PROPLATYPYGUS Hennig

PROPLATYPYGUS† Hennig, 1969: 58. Type species: *Proplatypygus succineus* Hennig,
1969, by monotypy.

matilei†

Proplatypygus matilei Nel & de Ploëg, 2004: 61. TYPE LOCALITY: France (Le Quesnoy)
[H in MNHN].
DISTRIBUTION: **Palaeartic**: France (Eocene) [A].

succineus†

Proplatypygus succineus Hennig, 1969: 58. TYPE LOCALITY: Baltic Region [H in
ZMUC*].
DISTRIBUTION: **Palaeartic**: Baltic Region (Eocene) [A].

Genus PSILODEROIDES Hesse

PSILODEROIDES Hesse, 1967: 121. Type species: *Psiloderoides mansfieldi* Hesse, 1967,
by original designation.

dauresensis

Psiloderoides dauresensis Kirk-Spriggs & Evenhuis, 2008: 123. TYPE LOCALITY:
Namibia [H in NMNW*].
DISTRIBUTION: **Afrotropical**: Namibia.

mansfieldi

Psiloderoides mansfieldi Hesse, 1967: 126. TYPE LOCALITY: South Africa (Northern
Province) [H in PPRI*].
DISTRIBUTION: **Afrotropical**: South Africa (Northern Province).

Genus ZZZZZARRO Evenhuis

ZZZZZARRO Evenhuis, 2022a: 5. Type species: *Zyzzarro hortorum* Evenhuis, 2022, by original designation.

hortorum

Zyzzarro hortorum Evenhuis, 2022a: 5. TYPE LOCALITY: Australia (WA) [H in WAMP*].

DISTRIBUTION: **Australasian**: Australia (WA).

Unplaced to genus of PSILODEROIDINAE**flaviscutellaris**

Cyrtomorpha flaviscutellaris Roberts, 1929: 566. TYPE LOCALITY: Australia (WA) [H in AMS*].

DISTRIBUTION: **Australasian**: Australia (WA).

parvissima

Cyrtosia parvissima Roberts, 1929: 567. TYPE LOCALITY: Australia (Qld) [H in QM*].

DISTRIBUTION: **Australasian**: Australia (Qld).

Subfamily PLATYPYGINAE Verrall**Genus CEPHALODROMIA Becker**

CEPHALODROMIA Becker, 1914: 121. Type species: *Cephalodromia curvata* Becker, 1914, by monotypy.

Ceratolaemus Hesse, 1938: 969 (as subgenus of *Platypygus* Loew). Type species: *Platypygus xanthogrammus* Hesse, 1938 [= *Cyrtosia scutellaris* Bezzi, 1926], by original designation.

albocincta

Cyrtosia albocincta Séguy, 1930a: 98 [1930b: 79]. TYPE LOCALITY: Tunisia [3S in MNHN*].

DISTRIBUTION: **Palaeartic**: Tunisia.

amnicola

Cyrtosia amnicola Bowden, 1965: 203. TYPE LOCALITY: Nepal [H in BMNH*].

DISTRIBUTION: **Oriental**: Nepal.

beckeri

Epidideicus beckeri Bezzi, 1908: 180. South Africa. TYPE LOCALITY: South Africa (Northern Cape) [H (destroyed; see Evenhuis, 1993: 93) in ZMHB].

Epidideicus beckeri: Becker in Becker, Kuntze, Schnabl & Villeneuve, 1910: 637 (misspelling of *beckeri*).

DISTRIBUTION: **Afrotropical**: South Africa (Northern Cape).

bicolor

Cyrtosia bicolor Santos Abreu, 1926: 44. TYPE LOCALITY: Canary Is [1S in MABC].

DISTRIBUTION: **Palaeartic**: Canary Is.

bilineata

Ceratolaemus bilineatus Hesse, 1967: 102. TYPE LOCALITY: South Africa (Western Cape) [H in NMSA*].

DISTRIBUTION: **Afrotropical**: South Africa (Western Cape).

cognata

Cyrtosia cognata Engel, 1933: 107. TYPE LOCALITY: Israel [S in UNKN].

Cyrtosia cognata var. *trisinata* Engel, 1933: 108. TYPE LOCALITY: "Palaestina" [H in UNKN].

DISTRIBUTION: **Palaeartic**: Israel.

colonica

Ceratolaemus colonica Deeming, 1973: 64. *Nomen nudum*.

curvata

Cephalodromia curvata Becker, 1914: 121. TYPE LOCALITY: Kenya [T in UNKN].

DISTRIBUTION: **Afrotropical**: Kenya.

dichadopercnis

Cephalodromia dichadopercnis Evenhuis, 2009: 725. TYPE LOCALITY: UAE [H in NMWC*].

DISTRIBUTION: **Afrotropical**: UAE.

dumonti

Ceratolaemus dumonti Séguy, 1930a: 98 [1930b: 80]. TYPE LOCALITY: Tunisia [H in MNHN*].

DISTRIBUTION: **Palaeartic**: Tunisia.

flava

Cyrtosia flava Séguy, 1930a: 98 [1930b: 79]. TYPE LOCALITY: Tunisia [H in MNHN*].
DISTRIBUTION: **Palaeartic**: Tunisia.

freidbergi

Cephalodromia freidbergi Evenhuis, 2019b: 3. TYPE LOCALITY: China (Beijing) [H in TAU*].
DISTRIBUTION: **Palaeartic**: China (Beijing).

fusca

Cyrtosia fusca Séguy, 1938: 332. TYPE LOCALITY: Kenya [6S in MNHN*].
DISTRIBUTION: **Afrotropical**: Gambia, Kenya, Mozambique, Namibia, South Africa (KwaZulu-Natal), Swaziland.

gobica

Cyrtosia gobica Zaitzev, 1972: 854. TYPE LOCALITY: Mongolia [H in ZIS].
DISTRIBUTION: **Palaeartic**: China (Beijing), Mongolia.

humeralis

Cyrtosia humeralis Santos Abreu, 1926: 47. TYPE LOCALITY: Canary Is [1S in MABC].
DISTRIBUTION: **Palaeartic**: Canary Is.

ktantesula

Cephalodromia ktantesula Evenhuis, 2009: 724. TYPE LOCALITY: UAE [H in NMWC*].
DISTRIBUTION: **Afrotropical**: UAE.

longirostris

Ceratolaemus longirostris Hesse, 1967: 103. TYPE LOCALITY: South Africa (Kwa-Zulu-Natal) [H in NMSA*].
DISTRIBUTION: **Afrotropical**: South Africa (KwaZulu-Natal).

montana

Ceratolaemus montanus Hesse, 1967: 103. TYPE LOCALITY: South Africa (Western Cape) [H in NMSA*].
DISTRIBUTION: **Afrotropical**: South Africa (Western Cape).

nitens

Cyrtosia nitens Loew, 1846: 421. TYPE LOCALITY: Italy & Italy (Sicily) [1S in ZMHB*].
DISTRIBUTION: **Palaeartic**: Egypt, Italy (incl. Sicily).

ornatifrons

Cyrtosia ornatifrons Séguy, 1932: 160. TYPE LOCALITY: Madagascar [2S in MNHN*].
DISTRIBUTION: **Afrotropical**: Madagascar.

pusaensis

Glabellula pusaensis Kapoor & Agarwal in Kapoor, Agarwal & Grewal, 1979: 409.
TYPE LOCALITY: India (Bihar) [H in INPC].
DISTRIBUTION: **Oriental**: India (Bihar).

scutellaris

Cyrtosia scutellaris Bezzi, 1926: 259 (key only). TYPE LOCALITY: South Africa (Mpumalanga) [1S (destroyed) in HNHM; L designated by Greathead & Evenhuis (2004: 11) in MSNM*].
Platypygus xanthogrammus Hesse, 1938: 971. TYPE LOCALITY: South Africa (Kwa-Zulu-Natal) [H in BMNH*].
DISTRIBUTION: **Afrotropical**: South Africa (KwaZulu-Natal, Mpumalanga). Tanzania.

seia

Cyrtosia seia Séguy, 1963: 253. TYPE LOCALITY: “Paita” [= China (Hebei)] [L designated by Evenhuis (2019: 8) in MNHN*].

DISTRIBUTION: **Palaeartic**: China (Hebei).

simproboscis

Glbellula simproboscis Kapoor & Agarwal in Kapoor, Agarwal & Grewal, 1979: 410. TYPE LOCALITY: India (Bihar) [H in INPC].

DISTRIBUTION: **Oriental**: India (Bihar).

Genus CYRTISIOPSIS Séguy

CYRTISIOPSIS Séguy, 1930b: 80. Type species: *Cyrtisiopsis singularis* Séguy, 1930, by original designation.

maculiventris

Platypygus maculiventris Loew, 1874: 416. TYPE LOCALITY: Iran [H (lost?) in ZMHB].

DISTRIBUTION: **Palaeartic**: ?Egypt, Iran.

melleus

Platypygus melleus Loew, 1856: 31. TYPE LOCALITY: Egypt [1S in ZMHB*].

Platypygus algirus Paramonov, 1929: 137(199). TYPE LOCALITY: Algeria [H (destroyed) in ZMUH].

DISTRIBUTION: **Palaeartic**: Algeria, Armenia, Azerbaijan, Egypt, France, Greece, Gruzia, Iran, Italy (incl. Sardinia), Jordan, Morocco, Russia, Spain, Tajikistan, Turkey, Turkmenistan, Ukraine.

singularis

Cyrtisiopsis singularis Séguy, 1930b: 80. TYPE LOCALITY: Libya & Spain & Morocco [4S in MNHN*; 1S in MCSN].

DISTRIBUTION: **Palaeartic**: Libya, Morocco, Spain.

Genus CYRTOSIA Perris

CYRTOSIA Perris, 1839: 54. Type species: *Cyrtosia marginata* Perris, 1839, by monotypy.

abragi

Cyrtosia abragi Efflatoun, 1945: 38. TYPE LOCALITY: Egypt [5S in ESEC (all lost), 13S in CUE].

DISTRIBUTION: **Palaeartic**: Egypt.

aglota

Cyrtosia aglota Séguy, 1930a: 98 [1930b: 79]. TYPE LOCALITY: Algeria [2S in MNHN*].

DISTRIBUTION: **Palaeartic**: Algeria, Morocco.

arabica

Cyrtosia arabica Evenhuis, 2009 720. TYPE LOCALITY: UAE [H in NMWC*].

DISTRIBUTION: **Afrotropical**: UAE.

baccadomus

Cyrtosia baccadomus Gharali & Evenhuis, 2017a: 231. TYPE LOCALITY: Iran [H in ZMHB].

DISTRIBUTION: **Palaeartic**: Iran.

bispermatheca

Cyrtosia bispermatheca Gharali & Evenhuis, 2017a: 235. TYPE LOCALITY: Iran [H in ZMHB].

DISTRIBUTION: **Palaeartic**: Iran.

canariensis

Cyrtosia tetragramma var. *canariensis* Engel, 1933: 116. TYPE LOCALITY: Canary Is [H in ZMHB*].

Cyrtosia canariensis f. *tenuis* Frey, 1958a: 15, 17. TYPE LOCALITY: Canary Is [T in MZHF].

DISTRIBUTION: **Palaeartic**: Canary Is.

certozia

Cyrtosia certozia Evenhuis & Gharali, 2020: 25. TYPE LOCALITY: UAE [H in NMWC*].

DISTRIBUTION: **Afrotropical**: Oman, UAE.

charops

Cyrtosia charops Evenhuis & Gharali, 2020: 25. TYPE LOCALITY: UAE [H in NMWC*].

DISTRIBUTION: **Afrotropical**: UAE.

chongorica

Cyrtosia chongorica Zaitzev, 1975: 549. TYPE LOCALITY: Mongolia [H in ZIS].

DISTRIBUTION: **Palaeartic**: Mongolia.

cinerascens

Cyrtosia cinerascens Loew, 1873: 207. TYPE LOCALITY: Tajikistan [T in UNKN].

DISTRIBUTION: **Palaeartic**: Tajikistan, Turkmenistan, Uzbekistan.

cossacki

Cyrtosia cossacki Evenhuis, 2018: 129. TYPE LOCALITY: Kazakhstan [H in OUMNH*].

DISTRIBUTION: **Palaeartic**: Kazakhstan.

flavorufa

Cyrtosia flavorufa Strobl, 1909: 151. TYPE LOCALITY: Spain [H in NMBA].

Cyrtosia rufoflava: Morge, 1976: 420 (misspelling of *Cyrtosia flavorufa*).

DISTRIBUTION: **Palaeartic**: Spain.

geniculata

Cyrtosia geniculata Séguy, 1930b: 80. TYPE LOCALITY: Tunisia [H in MNHN*].

DISTRIBUTION: **Palaeartic**: Tunisia.

gulperii

Cyrtosia gulperii Efflatoun, 1945: 40. TYPE LOCALITY: Egypt [5S in CUE; 11S (2 lost) in ESEC].

DISTRIBUTION: **Afrotropical**: Oman, Sudan, UAE. **Palaeartic**: Egypt.

injii

Cyrtosia injii Efflatoun, 1945: 41. TYPE LOCALITY: Egypt [11S in CUE, 5S in ESEC (8 lost)].

DISTRIBUTION: **Afrotropical**: Sudan. **Palaeartic**: Egypt.

jeanneli

Cyrtosia jeanneli Séguy, 1949a: 84. TYPE LOCALITY: Algeria [1S in MNHN*].

DISTRIBUTION: **Palaeartic**: Algeria.

luteiventris

Cyrtosia luteiventris Bezzi, 1926: 262. TYPE LOCALITY: Egypt [H (destroyed) in PPDD].

Cyrtosia luteiventris var. *minima* Efflatoun, 1945: 45 TYPE LOCALITY: Egypt [3S in CUE, 1S in ESEC].

DISTRIBUTION: **Palaeartic**: Egypt.

manni

Cyrtosia manni Evenhuis, 2018: 132. TYPE LOCALITY: Kazakhstan [H in OUMNH*].
DISTRIBUTION: **Palaeartic**: Kazakhstan.

marginata

Cyrtosia marginata Perris, 1839: 56. TYPE LOCALITY: France [2S in MNHN*].
DISTRIBUTION: **Palaeartic**: Bulgaria, Egypt, France, Germany, Poland, Serbia, UK
(Channel Is).

meridionalis

Cyrtosia meridionalis Rondani, 1863: 73 [1864: 73]. TYPE LOCALITY: Italy [T in UNKN].
DISTRIBUTION: **Palaeartic**: Egypt, France, Iran, Italy (incl. Sardinia), Mongolia, Spain, Tajikistan, Turkmenistan.

namaquensis

Cyrtosia namaquensis Hesse, 1967: 94. TYPE LOCALITY: South Africa (Northern Cape)
[H in SAMC*].
DISTRIBUTION: **Afrotropical**: South Africa (Northern Cape).

nigrescens

Cyrtosia nigrescens Zaitzev, 1972: 850. TYPE LOCALITY: Mongolia [H in ZIS].
DISTRIBUTION: **Palaeartic**: Mongolia, Russia (WS).

nitidissima

Cyrtosia nitidissima Engel, 1933: 111. TYPE LOCALITY: Algeria [H in NMW*].
DISTRIBUTION: **Palaeartic**: Algeria.

nubila

Empidideicus nubilus Bezzi, 1925: 188. TYPE LOCALITY: Egypt [1S in MSNM].
DISTRIBUTION: **Afrotropical**: Ethiopia, Sudan. **Palaeartic**: Egypt.

obscuripes

Cyrtosia obscuripes Loew, 1855: 39. TYPE LOCALITY: Greece [H in ZMHB*].
Cyrtosia obscuripes var. *maculithorax* Engel, 1933: 113. TYPE LOCALITY: Tunisia [H in ZMHB*].
DISTRIBUTION: **Palaeartic**: Greece, Gruzia, Italy, Kazakhstan, Macedonia, Tunisia, Turkmenistan, Uzbekistan, Yugoslavia.

occidentalis

Cyrtosia occidentalis Rondani, 1863: 74 [1864: 73]. TYPE LOCALITY: Italy [T in UNKN].
DISTRIBUTION: **Palaeartic**: Italy.

opaca

Cyrtosia opaca Loew, 1846: 420. TYPE LOCALITY: Not given [= Italy (Sicily)] [2S in ZMHB*].
DISTRIBUTION: **Afrotropical**: Sudan. **Palaeartic**: Egypt, Greece, Italy (incl. Sicily), Serbia.

pallipes

Cyrtosia pallipes Costa, 1885: 324. TYPE LOCALITY: Italy (Sardinia) [H in MZUN].
DISTRIBUTION: **Palaeartic**: Italy (incl. Sardinia).

panemplio

Cyrtosia panemplio Evenhuis, 2009 722. TYPE LOCALITY: UAE [H in NMWC*].
DISTRIBUTION: **Afrotropical**: Oman, UAE.

perfecta

Empidideicus perfectus Becker in Becker, Kuntze, Schnabl & Villeneuve, 1910: 637.

TYPE LOCALITY: France (Corsica) [H in ZMHB*].

DISTRIBUTION: **Palaeartic**: France (incl. Corsica), Italy (incl. Sardinia).

persica

Cyrtosia persica Gharali & Evenhuis in Gharali, Kamali, Evenhuis & Talebi, 2011b:

152. TYPE LOCALITY: Iran [H in TMUC].

DISTRIBUTION: **Palaeartic**: Iran.

pruinosa

Cyrtosia pruinosa François, 1969: 114. TYPE LOCALITY: Spain [H in ZMUC].

DISTRIBUTION: **Palaeartic**: Spain.

pusilla

Cyrtosia pusilla Loew, 1873: 206. TYPE LOCALITY: “Kisilkum” [= Uzbekistan] [H in ZMHB*].

DISTRIBUTION: **Palaeartic**: Egypt, Iran, Kazakhstan, Mongolia, Saudi Arabia, Tajikistan, Turkmenistan, Uzbekistan.

separata

Cyrtosia separata Eflatoun, 1945: 51. TYPE LOCALITY: Egypt [H in ESEC].

DISTRIBUTION: **Palaeartic**: Egypt.

serena

Empidideicus serena Becker, 1915: 329. TYPE LOCALITY: Tunisia [T in ZMHB].

DISTRIBUTION: **Palaeartic**: Greece, Tunisia.

stuckenbergi

Cyrtosia stuckenbergi Hesse, 1967: 95. TYPE LOCALITY: South Africa (Western Cape) [H in NMSA*].

DISTRIBUTION: **Afrotropical**: South Africa (Western Cape).

subnitens

Cyrtosia subnitens Zaitzev, 1972: 854. TYPE LOCALITY: Mongolia [H in ZIS].

DISTRIBUTION: **Palaeartic**: Mongolia.

sympatrica

Cyrtosia sympatrica Evenhuis, 2018: 132. TYPE LOCALITY: Kazakhstan [H in OUMNH*].

DISTRIBUTION: **Palaeartic**: Kazakhstan.

tetragramma

Cyrtosia tetragramma Bezzi, 1926: 261. TYPE LOCALITY: Egypt [H (destroyed) in ESEC].

DISTRIBUTION: **Palaeartic**: Egypt.

tibiella

Cyrtosia tibiella Morge, 1976: 365. *Nomen nudum*.

trivitta

Cyrtosia trivitta Hakimian, Nozari, Gharali & Evenhuis, 2018: 196. TYPE LOCALITY: Iran [H in TMUC].

DISTRIBUTION: **Palaeartic**: Kazakhstan.

zieglerii

Cyrtosia zieglerii Gharali & Evenhuis, 2017a: 240. TYPE LOCALITY: Iran [H in ZMHB].

DISTRIBUTION: **Palaeartic**: Iran.

zygophrys

Cyrtosia zygophrys Evenhuis, 2009: 722. TYPE LOCALITY: UAE [H in NMWC*].

DISTRIBUTION: **Afrotropical**: Oman, UAE.

Genus PLATYPYGUS Loew

PLATYPYGUS Loew, 1844: 127. Type species: *Platypygus chrysanthemi* Loew, 1844, by monotypy.

Popsia Costa, 1863: 52. Type species: *Popsia ridibundus* Costa, 1863, by monotypy.

americanus

Platypygus americanus Melander, 1950a: 140. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California).

bellus

Platypygus bellus Loew, 1869: 251. TYPE LOCALITY: Russia [1S in ZMHB*].

DISTRIBUTION: **Palaeartic**: Armenia, Azerbaijan, Egypt, Greece, Gruzia, Hungary, Russia, Turkey.

chrysanthemi

Platypygus chrysanthemi Loew, 1844: 127. TYPE LOCALITY: Greece (Rhodes) & “Inseln des griechischen Archipels” [4S in ZMHB*].

DISTRIBUTION: **Palaeartic**: Egypt, Greece (incl. Rhodes), Israel, Italy (incl. Sicily), Jordan, Lebanon, Serbia, Syria, Turkey.

emoji

Platypygus emoji Evenhuis, 2019d: 271. TYPE LOCALITY: South Africa (Northern Cape) [H in NMSA*].

DISTRIBUTION: **Afrotropical**: South Africa (Northern Cape).

ibericus

Platypygus ibericus Dils & Gharali, 2018: 113. TYPE LOCALITY: Portugal [H in KBIN].

DISTRIBUTION: **Palaeartic**: Portugal.

kassanovskiji

Platypygus kassanovskiji Hull, 1973: 262. *Nomen nudum*.

kurdorum

Platypygus kurdorum Paramonov, 1929: 157, 158, 159(221, 222, 223). TYPE LOCALITY: Turkey [H in DEI*].

Platypygus kurdorum var. *persicus* Paramonov, 1934: 18. TYPE LOCALITY: “Persien” [= Iran] [L designated by Zaitzev & Kandybina (1983: 32) in ZIS].

DISTRIBUTION: **Palaeartic**: Iran, Israel, Jordan, Syria, Turkey.

lativentris

Platypygus lativentris Loew, 1873: 202. TYPE LOCALITY: Tajikistan [1S in ZMHB*].

DISTRIBUTION: **Palaeartic**: Tajikistan, Uzbekistan.

limatus

Platypygus limatus Séguy, 1963: 254. TYPE LOCALITY: “Paita” [= China (Hebei)] [H in MNHN].

DISTRIBUTION: **Oriental**: Nepal, Thailand. **Palaeartic**: China (Hebei).

melinoproctus

Platypygus melinoproctus Loew, 1873: 203. TYPE LOCALITY: “Fan” [= Tajikistan] [5S in ZMHB*].

DISTRIBUTION: **Palaeartic**: Armenia, Azerbaijan, Iran, Italy, Lebanon, Syria, Tajikistan, Turkmenistan.

natalensis

Platypygus natalensis Hesse, 1967: 97. TYPE LOCALITY: South Africa (KwaZulu-Natal) [H in NMSA*].

DISTRIBUTION: **Afrotropical**: South Africa (KwaZulu-Natal).

pumilio

Platypygus pumilio Loew, 1873: 204. TYPE LOCALITY: Uzbekistan [6S in ZMHB*].

DISTRIBUTION: **Palaeartic**: Greece, Tajikistan, Turkmenistan, Uzbekistan.

ridibundus

Popsia ridibundus Costa, 1863: 52. TYPE LOCALITY: Not given [= Italy] [T in MZUN].

Platypygus tauricus Paramonov, 1926: 88. TYPE LOCALITY: “Krym” [= Ukraine] [37S in ZMHB*; 3S in SIZK].

DISTRIBUTION: **Palaeartic**: Armenia, Azerbaijan, Bulgaria, Croatia, Cyprus, Egypt, France, Greece, Gruzia, Israel, Italy, Portugal, Romania, Russia, Slovenia, Spain, Ukraine.

titanomedeae

Platypygus titanomedeae Gharali & Evenhuis in Gharali, Evenhuis, Kamali & Talebi, 2011: 27. TYPE LOCALITY: Iran [H in TMUC].

DISTRIBUTION: **Palaeartic**: Iran, Jordan, Turkey.

turkmenorum

Platypygus turkmenorum Paramonov, 1929: 145(209). TYPE LOCALITY: Turkmenistan [1S in ZMHB*; 1S in SIZK].

Platypygus turkmenoricum: Evenhuis (2002d: 84) (incorrect spelling of *turkmenorum*).

DISTRIBUTION: **Palaeartic**: Turkmenistan, Uzbekistan.

yellibeli

Platypygus yellibeli Dils & Gharali, 2018: 116. TYPE LOCALITY: Turkey [H in KBIN].

DISTRIBUTION: **Palaeartic**: Turkey.

Subfamily GLABELLULINAE Cockerell**Genus DOLIOPTERYX Hesse**

Doliopteryx Hesse, 1938: 39, 968. *Nomen nudum*.

Doliopteryx Melander, 1946: 454. *Nomen nudum*.

Doliopteryx Hesse, 1956a: 15. *Nomen nudum*.

DOLIOPTERYX Hesse, 1956b: 936. Type species: *Doliopteryx crocea* Hesse, 1956, by original designation.

acuminatis

Doliopteryx acuminatis Gharali, Moghbeli & Evenhuis, 2023: 26. TYPE LOCALITY: Iran [H in HMIM*].

DISTRIBUTION: **Palaeartic**: Iran.

arava

Doliopteryx arava Evenhuis, 2000: 121. TYPE LOCALITY: Israel [H in TAU*].

DISTRIBUTION: **Palaeartic**: Israel.

crocea

Doliopteryx crocea Hesse, 1956b: 938. TYPE LOCALITY: Namibia [L designated by Evenhuis (1993: 95) in BMNH*].

DISTRIBUTION: **Afrotropical**: Namibia.

diamondis

Doliopteryx diamondis Evenhuis, 2000: 124. TYPE LOCALITY: Namibia [H in NMNW*].

DISTRIBUTION: **Afrotropical**: Namibia.

dichroma

Doliopteryx dichroma Evenhuis, 2000: 125. TYPE LOCALITY: Namibia [H in NMNW*].

DISTRIBUTION: **Afrotropical**: Namibia.

ecphata

Doliopteryx ecphata Evenhuis, 2000: 127. TYPE LOCALITY: Namibia [H in NMNW*].

DISTRIBUTION: **Afrotropical**: Namibia.

fratris

Doliopteryx fratris Gharali & Evenhuis, 2017b: 397. TYPE LOCALITY: Iran [H in HMIM].

DISTRIBUTION: **Palaeartic**: Iran.

nigrescens

Doliopteryx nigrescens Hesse, 1956b: 940. TYPE LOCALITY: Namibia [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Namibia.

nodahaki

Doliopteryx nodahaki Gharali & Evenhuis, 2017b: 397. TYPE LOCALITY: Iran [H in HMIM].

DISTRIBUTION: **Palaeartic**: Iran.

omanae

Doliopteryx omanae Evenhuis, 2000: 129. TYPE LOCALITY: Oman [H in NMWC*].

DISTRIBUTION: **Afrotropical**: Oman.

palaestinensis

Doliopteryx palaestinensis Evenhuis & Theodor *in* Evenhuis, 2000: 129. TYPE LOCALITY: Israel [H in TAU*].

DISTRIBUTION: **Afrotropical**: UAE. **Palaeartic**: ?Egypt, Israel.

pallida

Dolioleteryx pallida Evenhuis, 2000: 131. TYPE LOCALITY: Zimbabwe [H in NMSA*].
DISTRIBUTION: **Afrotropical**: Zimbabwe.

splendida

Dolioleteryx splendida Evenhuis, 2000: 132. TYPE LOCALITY: Namibia [H in NMNW*].
DISTRIBUTION: **Afrotropical**: Namibia.

tigrina

Dolioleteryx tigrina Evenhuis, 2000: 133. TYPE LOCALITY: South Africa (Northern Cape) [H in NMSA*].
DISTRIBUTION: **Afrotropical**: South Africa (Northern Cape).

welwitschia

Dolioleteryx welwitschia Evenhuis, 2000: 133. TYPE LOCALITY: Namibia [H in NMNW*].
DISTRIBUTION: **Afrotropical**: Namibia.

xanthinon

Dolioleteryx xanthinon Evenhuis & Gharali, 2020: 17. TYPE LOCALITY: UAE [H in NMWC*].
DISTRIBUTION: **Afrotropical**: UAE.

Genus EURODOLIOPTERYX Nel

EURODOLIOPTERYX† Nel, 2006: 112. Type species: *Eurodolioleteryx inexpectatus* Nel, 2006, by original designation.

inexpectatus†

Eurodolioleteryx inexpectatus Nel, 2006: 112. TYPE LOCALITY: France (Le Quesnoy) [H in MNHN].
DISTRIBUTION: **Palaeartic**: France (Eocene) [A].

Genus GLABELLULA Bezzi

Platygaster Zetterstedt, 1838: 574. Type species: *Platygaster arcticus* Zetterstedt, 1838, by monotypy. [Preoccupied by Latreille, 1809.]

Sphaerogaster Zetterstedt, 1842: 232 (new replacement name for *Platygaster* Zetterstedt, 1838). Type species: *Platygaster arcticus* Zetterstedt, 1838, automatic. [Not preoccupied by Sturm, 1826.]. **Nomen oblitum**.

Glabella Loew, 1873: 210. Type species: *Glabella femorata* Loew, 1873, by monotypy. [Preoccupied by Swainson, 1840.]

GLABELLULA Bezzi, 1902: 191 (new replacement name for “*Platygaster* ... und *Sphaerogaster* ... und *Glabella*”). Type species: *Platygaster arcticus* Zetterstedt, 1838, by subsequent designation (I.C.Z.N., 1989: 148). [Name valid by I.C.Z.N. Code Article 23.9.2.]. **Nomen protectum**.

Pachyneres Greene, 1924: 62. Type species: *Pachyneres crassicornis* Greene, 1924, by monotypy.

Proglabellula† Hennig, 1966: 15. Type species: *Proglabellula electrica* Hennig, 1966, by monotypy.

aggregata†

Glabellula aggregata Evenhuis, 2013: 372. TYPE LOCALITY: Ukraine (Rovno) [H in SIZK*].

Glabellula interrupta: Evenhuis (2013: 379; incorrect original spelling of *aggregata*).
DISTRIBUTION: **Palaeartic**: Ukraine (Eocene) [A].

antioquensis

Glabellula antioquensis Ramos-Pastrana, Córdoba & Evenhuis, 2023a: 559. TYPE LOCALITY: Colombia [H in LEUA].

DISTRIBUTION: **Neotropical**: Colombia.

arctica

Platygaster arcticus Zetterstedt, 1837: 34. *Nomen nudum*.

Platygaster arctica Zetterstedt, 1838: 574. TYPE LOCALITY: Sweden [T in MZLU].

DISTRIBUTION: **Palaearctic**: Czech Republic, Denmark, Finland, Netherlands, Norway, Poland, Russia, Slovakia, Sweden, Switzerland.

australis

Pachyneres australis Malloch, 1924: 205. TYPE LOCALITY: Australia (NSW) [H in AMS*].

DISTRIBUTION: **Australasian**: Australia (ACT, NSW, Qld, Tas, WA).

binotata

Glabellula binotata Hall & Evenhuis, 1984: 314. TYPE LOCALITY: USA (Arizona) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (Arizona); Mexico.

brunnifrons†

Glabellula brunnifrons Evenhuis, 2002e: 3. TYPE LOCALITY: Dominican Republic [H in AMNH*].

DISTRIBUTION: **Neotropical**: Dominican Republic (Miocene) [A].

canariensis

Glabellula canariensis Frey, 1937: 47. TYPE LOCALITY: Canary Is [H in MZHF].

DISTRIBUTION: **Palaearctic**: Canary Is.

catiapatuiuae

Glabellula catiapatuiuae Mendes, Evenhuis, Limeira-de-Oliveira & Lamas, 2022: 207. TYPE LOCALITY: Brazil (Maranhão) [H in MZUSP].

DISTRIBUTION: **Neotropical**: Brazil (Maranhão).

crassicornis

Pachyneres crassicornis Greene, 1924: 62. TYPE LOCALITY: USA(DC) [H in USNM*].

DISTRIBUTION: **Nearctic**: Canada, USA (DC, Idaho, Maryland, Michigan, Montana, New Hampshire, Pennsylvania).

electrica†

Proglabellula electrica Hennig, 1966: 16. TYPE LOCALITY: Baltic (Eocene) [H in ZMUC*].

DISTRIBUTION: **Palaearctic**: Baltic (Eocene) [A].

fasciata

Glabellula fasciata Melander, 1950a: 143. TYPE LOCALITY: USA (Washington) [H in USNM*].

Glabellula nanella Melander, 1950a: 144. TYPE LOCALITY: USA (California) [H in USNM*].

Glabellula pumila Melander, 1950a: 144. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California, Idaho, Montana, Washington).

femorata

Glabella femorata Loew, 1873: 208. TYPE LOCALITY: “Utinata” [= Kazakhstan] [H (lost?) in ZMHB].

DISTRIBUTION: **Palaearctic**: ?Egypt, Kazakhstan, Turkmenistan, Uzbekistan.

fumipennis

Glabellula fumipennis Hall & Evenhuis, 1984: 318. TYPE LOCALITY: USA (Arizona) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (Arizona).

grimaldii†

Glabellula grimaldii Evenhuis, 2002e: 5. TYPE LOCALITY: Dominican Republic [H in AMNH*].

DISTRIBUTION: **Neotropical**: Dominican Republic (Miocene) [A].

hannemanni†

Glabellula hannemanni Schumann, 1991: 79. TYPE LOCALITY: Germany [H in ZMHB (lost after examination)*].

DISTRIBUTION: **Palaeartic**: Germany (Miocene) [A].

hospes

Glabellula hospes Evenhuis, 2022b: 3. TYPE LOCALITY: Madagascar [H in CAS*].

DISTRIBUTION: **Afrotropical**: Madagascar.

humeralis

Glabellula humeralis Gharali & Evenhuis, 2011a: 114. TYPE LOCALITY: Iran [H in BPBM].

DISTRIBUTION: **Palaeartic**: Iran.

kuehnei†

Glabellula kuehnei Schlüter, 1976: 358. TYPE LOCALITY: Dominican Republic [H in ZMFU*].

DISTRIBUTION: **Neotropical**: Dominican Republic (Miocene) [A].

madagascarensis

Glabellula madagascarensis Evenhuis, 2022b: 7. TYPE LOCALITY: Madagascar [H in CAS*].

DISTRIBUTION: **Afrotropical**: Madagascar.

maroccana

Glabellula maroccana Evenhuis & Kettani, 2018: 349. TYPE LOCALITY: Morocco [H in MNHNR*].

DISTRIBUTION: **Palaeartic**: Morocco.

meridionalis

Glabellula meridionalis François, 1955: 1. TYPE LOCALITY: Greece [H in KBIN].

DISTRIBUTION: **Palaeartic**: Greece, Italy.

metatarsalis

Glabellula metatarsalis Melander, 1950a: 143. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California).

natalensis

Glabellula natalensis Hesse, 1967: 106. TYPE LOCALITY: South Africa (KwaZulu-Natal) [H in NMSA*].

DISTRIBUTION: **Afrotropical**: South Africa (KwaZulu-Natal), Zimbabwe.

nobilis

Glabellula nobilis Kertész, 1912: 638. TYPE LOCALITY: “Bashara-Su” [= Syria] [H (destroyed) in HNHM].

DISTRIBUTION: **Palaeartic**: Israel, Syria, Turkey.

palaestinensis

Glabellula nobilis var. *palaestinensis* Engel, 1933: 119. TYPE LOCALITY: Israel [3S in SMNS].

DISTRIBUTION: **Palaearctic**: Israel.

perkovskiyi†

Glabellula perkovskiyi Evenhuis, 2013: 375. TYPE LOCALITY: Ukraine (Rovno) [H in SIZK*].

DISTRIBUTION: **Palaearctic**: Ukraine (Eocene) [A].

pinyonicola

Glabellula pinyonicola Edwards, 1988: 314. *Nomen nudum*.

rafaelae

Glabellula rafaelae Mendes, Evenhuis, Limeira-de-Oliveira & Lamas, 2022: 209. TYPE LOCALITY: Brazil (Maranhão) [H in CZMA].

DISTRIBUTION: **Neotropical**: Brazil (Maranhão, Piauí, Roraima).

rotundipennis

Glabellula rotundipennis Melander, 1950b: 145. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California).

sarahae

Glabellula sarahae Mendes, Evenhuis, Limeira-de-Oliveira & Lamas, 2022: 211. TYPE LOCALITY: Brazil (Goiás) [H in CZMA].

DISTRIBUTION: **Neotropical**: Brazil (Goiás).

sufflava

Glabellula sufflava François, 1969: 120. TYPE LOCALITY: Spain [H in CNC*].

DISTRIBUTION: **Palaearctic**: Spain (incl. Balearic Is).

tagos

Glabellula tagos Evenhuis, 2019a: 7. TYPE LOCALITY: Australia (WA) [H in ANIC*].

DISTRIBUTION: **Australasian**: Australia (WA).

thespia

Glabellula thespia Evenhuis, 2009: 718. TYPE LOCALITY: UAE [H in NMWC*].

DISTRIBUTION: **Afrotropical**: UAE.

unicolor

Glabellula unicolor Strobl, 1910: 55. TYPE LOCALITY: Austria [H in NMBA].

DISTRIBUTION: **Palaearctic**: Austria, Italy, Switzerland.

vibex

Glabellula vibex Evenhuis, 2022b: 11. TYPE LOCALITY: Madagascar [H in CAS*].

DISTRIBUTION: **Afrotropical**: Madagascar.

whartoni

Glabellula whartoni Evenhuis, 2019a: 8. TYPE LOCALITY: Australia (WA) [H in CAS*].

DISTRIBUTION: **Australasian**: Australia (WA).

yemeni

Glabellula yemeni Evenhuis & Gharali, 2020: 21. TYPE LOCALITY: Yemen [H in NMWC*].

DISTRIBUTION: **Afrotropical**: Yemen.

Genus GLELLA Greathead & Evenhuis

GLELLA Greathead & Evenhuis, 2001b: 121. Type species: *Glbellula quebradae* Hall, 1976, by original designation.

ashleyi

Glella ashleyi Greathead & Evenhuis, 2001b: 122. TYPE LOCALITY: Namibia [H in NMWC*].

DISTRIBUTION: **Afrotropical**: Namibia.

quebradae

Glbellula quebradae Hall, 1976: 86. TYPE LOCALITY: Chile [H in MEUC*].

DISTRIBUTION: **Neotropical**: Chile.

Genus MNEMOMYIA Bowden

MNEMOMYIA Bowden, 1975b: 308. Type species: *Mnemomyia rostrata* Bowden, 1975, by original designation.

mellea

Glbellula mellea Bezzi, 1908: 180. TYPE LOCALITY: South Africa (Northern Cape) [H in ZMHB*].

DISTRIBUTION: **Afrotropical**: Namibia, South Africa (Northern Cape).

rostrata

Mnemomyia rostrata Bowden, 1975b: 309. TYPE LOCALITY: South Africa (Western Cape) [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Namibia, South Africa (Western Cape).

Subfamily EMPIDIDEICINAE Hull

Genus EMPIDIDEICUS Becker

EMPIDIDEICUS Becker, 1907: 97. Type species: *Empidideicus carthaginiensis* Becker, 1907, by monotypy.

Aetheoptilus Hesse, 1967: 112 (as subgenus of *Empidideicus* Becker). Type species: *Empidideicus zuluensis* Hesse, 1967, by original designation.

Aetheoptilus: Hull (1973: 265, 271, 272) (incorrect spelling of *Aetheoptilus*).

Subgenus ANOMALOPTILUS Hesse

ANOMALOPTILUS Hesse, 1938: 983 (as subgenus of *Empidideicus* Becker). Type species: *Empidideicus celluliferus* Hesse, 1938, by monotypy.

andriambahomananii

Empidideicus andriambahomananii Evenhuis & Gharali, 2022: 404. TYPE LOCALITY: Madagascar [H in USNM*].

DISTRIBUTION: **Afrotropical**: Madagascar.

atomus

Anomaloptilus atomus Frey, 1958a: 15. TYPE LOCALITY: Canary Is [H in MZHF].

DISTRIBUTION: **Palaearctic**: Canary Is.

basutoensis

Empidideicus basutoensis Hesse, 1967: 109. TYPE LOCALITY: Lesotho [H in NMSA*].

DISTRIBUTION: **Afrotropical**: Lesotho.

brevistilus

Empidideicus brevistilus Hesse, 1967: 111. TYPE LOCALITY: South Africa (KwaZulu-Natal) [H in NMSA*].

DISTRIBUTION: **Afrotropical**: South Africa (KwaZulu-Natal).

celluliferus

Empidideicus celluliferus Hesse, 1938: 983. TYPE LOCALITY: South Africa (Western Cape) [L designated by Evenhuis (1993: 94) in BMNH*].

DISTRIBUTION: **Afrotropical**: Botswana, Lesotho, Namibia, South Africa (Western Cape).

cnecotoichus

Empidideicus cnecotoichus Evenhuis, 2009: 728. TYPE LOCALITY: UAE [H in NMWC*].

DISTRIBUTION: **Afrotropical**: UAE.

completus

Empidideicus completus Bezzi, 1926: 254. TYPE LOCALITY: “d’Assab” [= Eritrea] [T (destroyed) in HNHM].

DISTRIBUTION: **Afrotropical**: Eritrea.

contrasticus

Empidideicus contrasticus Evenhuis & Gharali, 2022: 407. TYPE LOCALITY: Madagascar [H in CAS*].

DISTRIBUTION: **Afrotropical**: Madagascar.

hauseri

Empidideicus hauseri Evenhuis & Gharali, 2022: 408. TYPE LOCALITY: Madagascar [H in CAS*].

DISTRIBUTION: **Afrotropical**: Madagascar.

irwini

Empidideicus irwini Evenhuis & Gharali, 2022: 410. TYPE LOCALITY: Madagascar [H in CAS*].

DISTRIBUTION: **Afrotropical**: Madagascar.

nanus

Empidideicus nanus Evenhuis & Gharali, 2022: 412. TYPE LOCALITY: Madagascar [H in CAS*].

DISTRIBUTION: **Afrotropical**: Madagascar.

notatus

Empidideicus notatus Hesse, 1967: 108. TYPE LOCALITY: South Africa (Western Cape) [L designated by Evenhuis (1993: 98) in SAMC*].

DISTRIBUTION: **Afrotropical**: Namibia, South Africa (Western Cape).

regius

Empidideicus regius Evenhuis & Gharali, 2022: 413. TYPE LOCALITY: Madagascar [H in CAS*].

DISTRIBUTION: **Afrotropical**: Madagascar.

rhinoclypeatus

Empidideicus rhinoclypeatus Evenhuis, 2007: 56. TYPE LOCALITY: Madagascar [H in CAS*].

DISTRIBUTION: **Afrotropical**: Madagascar.

rinhai

Empidideicus rinhai Evenhuis & Gharali, 2022: 418. TYPE LOCALITY: Madagascar [H in CAS*].

DISTRIBUTION: **Afrotropical**: Madagascar.

sugonjaevi

Empidideicus sugonjaevi Zaitzev, 1971: 893. TYPE LOCALITY: Kazakhstan [H in ZIS].

DISTRIBUTION: **Palaearctic**: Kazakhstan, Kirghizstan, Tajikistan.

turkestanicus

Empidideicus turkestanicus Paramonov, 1934: 17, 19 [1947: 88]. TYPE LOCALITY: Not given [= Uzbekistan] [1S in SIZK].

DISTRIBUTION: **Palaearctic**: Mongolia, Uzbekistan.

Subgenus CYRTOIDES Engel

CYRTOIDES Engel, 1933: 102 (as subgenus of *Empidideicus* Becker). Type species: *Empidideicus efflatouni* Engel, 1933, by monotypy.

Ecliptica Engel, 1933: 103 (as genus). Unavailable name; name proposed in synonymy with *Cyrtoides* and not made available before 1961.

efflatouni

Empidideicus efflatouni Engel, 1933: 102. TYPE LOCALITY: Egypt [1S in CUE, 8S in ESEC].

DISTRIBUTION: **Afrotropical**: Sudan. **Palaearctic**: Egypt, Israel, Libya.

pissinulus

Empidideicus pissinulus Evenhuis, 2009: 733. TYPE LOCALITY: UAE [H in NMWC*]
Empidideicus psssinulus: Evenhuis (2009: 734; incorrect original spelling of *pissinulus*).

DISTRIBUTION: **Afrotropical**: UAE.

psephenyps

Empidideicus psephenyps Evenhuis, 2009: 737. TYPE LOCALITY: UAE [H in NMWC*].

DISTRIBUTION: **Afrotropical**: UAE.

Subgenus EMPIDIDEICUS Becker**amicus**

Empidideicus amicus Gharali & Evenhuis *in* Gharali, Kamali, Evenhuis, Talebi & Khalgani, 2010: 2. TYPE LOCALITY: Iran [H in TMUC].

DISTRIBUTION: **Palaeartic**: Iran

anahoraticus

Empidideicus anahoraticus Evenhuis, 2009: 730. TYPE LOCALITY: UAE [H in NMWC*].

DISTRIBUTION: **Afrotropical**: UAE.

asiaticus

Empidideicus asiaticus Zaitzev, 1971: 893. TYPE LOCALITY: Uzbekistan [H in ZIS].

DISTRIBUTION: **Palaeartic**: Tajikistan, Turkmenistan, Uzbekistan.

aurantiacus

Empidideicus aurantiacus Gharali & Evenhuis *in* Gharali, Evenhuis & Lotfalizadeh, 2011: 115. TYPE LOCALITY: Iran [H in ZMHB].

DISTRIBUTION: **Palaeartic**: Iran

blascoi

Empidideicus blascoi Evenhuis, Almeida & Andrade, 2023: 4. TYPE LOCALITY: Portugal [H in NHMM*].

DISTRIBUTION: **Palaeartic**: Morocco, Portugal, Spain.

carrapateira

Empidideicus carrapateira Evenhuis, Almeida & Andrade, 2023: 7. TYPE LOCALITY: Portugal [H in BPBM*].

DISTRIBUTION: **Palaeartic**: Portugal.

carthaginiensis

Empidideicus carthaginiensis Becker, 1907: 97. TYPE LOCALITY: “Sfax” [= Tunisia] [T in UNKN].

DISTRIBUTION: **Afrotropical**: Sudan. **Palaeartic**: Algeria, Egypt, Israel, Tunisia.

chalepoblepsis

Empidideicus chalepoblepsis Evenhuis, 2009: 729. TYPE LOCALITY: UAE [H in NMWC*].

DISTRIBUTION: **Afrotropical**: UAE.

citridomus

Empidideicus citridomus Gharali, Majnon Jahromi & Evenhuis, 2015: 30. TYPE LOCALITY: Iran [H in BPBM].

DISTRIBUTION: **Palaeartic**: Iran

crocea

Cyrtosia crocea Séguy, 1949b: 155. TYPE LOCALITY: Morocco [3S in MNHN*].

DISTRIBUTION: **Palaeartic**: Morocco.

ebellicus

Empidideicus ebellicus Gharali & Evenhuis *in* Gharali, Kamali, Evenhuis, Talebi & Khalgani, 2010: 5. TYPE LOCALITY: Iran [H in TMUC].

DISTRIBUTION: **Palaeartic**: Iran

evenhuisi

Empidideicus evenhuisi Evenhuis, 2023a: 20. TYPE LOCALITY: Portugal [H in NHMM*].

DISTRIBUTION: **Palaeartic**: Morocco, Portugal, Spain.

formosus

Empidideicus formosus Hakimian, Talebi & Gharali in Hakimian, Talebi, Gharali & Evenhuis, 2014: 258. TYPE LOCALITY: Iran [H in TMUC].

DISTRIBUTION: **Palaeartic**: Iran

freyi

Empidideicus freyi Greathead, 1986: 86. TYPE LOCALITY: Cape Verde Is [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Cape Verde Is. **Palaeartic**: Portugal, Morocco, Spain.

greatheadi

Empidideicus greatheadi Gharali & Evenhuis in Gharali, Kamali, Evenhuis, Talebi & Khalgani, 2010: 8. TYPE LOCALITY: Iran [H in TMUC].

DISTRIBUTION: **Palaeartic**: Iran

griseus

Empidideicus griseus Zaitzev, 1972: 856. TYPE LOCALITY: Mongolia [H in ZIS].

DISTRIBUTION: **Palaeartic**: Mongolia.

hackmani

Empidideicus hackmani François, 1969: 113. TYPE LOCALITY: Spain [H in CNC*].

DISTRIBUTION: **Palaeartic**: France, Morocco, Portugal, Spain.

hispanus

Empidideicus hispanus François, 1969: 112. TYPE LOCALITY: Spain [H in ZUMC*].

DISTRIBUTION: **Palaeartic**: Spain.

hungaricus

Empidideicus hungaricus Thalhammer, 1911: 388. TYPE LOCALITY: Hungary [2S (destroyed) in HHNM].

DISTRIBUTION: **Palaeartic**: France (Corsica), Hungary, Italy, Malta, Ukraine.

inesae

Empidideicus inesae Evenhuis, Almeida & Andrade, 2023: 18. TYPE LOCALITY: Portugal [H in BPBM*].

DISTRIBUTION: **Palaeartic**: Portugal.

insularis

Empidideicus insularis Frey, 1958b: 10. TYPE LOCALITY: Cape Verde Is [2S in MZHF].

DISTRIBUTION: **Afrotropical**: Cape Verde Is.

jirofti

Empidideicus jirofti Gharali, Moghbeli & Fekrat, 2020: 353. TYPE LOCALITY: Iran [H in MTD].

DISTRIBUTION: **Palaeartic**: Iran.

legulicoxa

Empidideicus legulicoxa Gharali & Evenhuis in Gharali, Kamali, Evenhuis, Talebi & Khalgani, 2010: 10. TYPE LOCALITY: Iran [H in BPBM*].

DISTRIBUTION: **Palaeartic**: Iran.

mariouti

Empidideicus mariouti Efflatoun, 1945: 32. TYPE LOCALITY: Egypt [1S in CUE; 3S (1 lost) in ESEC].

DISTRIBUTION: **Palaeartic**: Egypt.

matricarius

Empidideicus matricarius Gharali & Evenhuis in Gharali, Kamali, Evenhuis, Talebi & Khalgani, 2010: 11. TYPE LOCALITY: Iran [H in TMUC].

DISTRIBUTION: **Palaeartic**: Iran.

pallidifacies

Empidideicus pallidifacies Evenhuis, Almeida & Andrade, 2023: 20. TYPE LOCALITY: Portugal [H in BPBM*].

DISTRIBUTION: **Palaeartic**: Portugal.

parvus

Empidideicus parvus Evenhuis, 2009: 730. TYPE LOCALITY: UAE [H in NMWC*].

DISTRIBUTION: **Afrotropical**: UAE.

pentagonius

Empidideicus pentagonius Yao & Chen, 2019: 67. TYPE LOCALITY: China (Yunnan) [H in CAU].

DISTRIBUTION: **Oriental**: China (Yunnan)

persicus

Empidideicus persicus Gharali & Evenhuis in Gharali, Kamali, Evenhuis, Talebi & Khalgani, 2010: 14. TYPE LOCALITY: Iran [H in TMUC].

DISTRIBUTION: **Palaeartic**: Iran

pollostus

Empidideicus pollostus Evenhuis, 2009: 736. TYPE LOCALITY: UAE [H in NMWC*].

DISTRIBUTION: **Afrotropical**: UAE.

socotrae

Empidideicus socotrae Greathead & Evenhuis, 2001a: 3. TYPE LOCALITY: Yemen (Sokotra) [H in NMSA*].

DISTRIBUTION: **Afrotropical**: Yemen (Sokotra).

turneri

Empidideicus turneri Hesse, 1938: 982. TYPE LOCALITY: South Africa (Western Cape) [H in BMNH*].

DISTRIBUTION: **Afrotropical**: South Africa (Western Cape).

unicus

Empidideicus unicus Gharali & Evenhuis in Gharali, Evenhuis & Lotfalizadeh, 2011: 117. TYPE LOCALITY: Iran [H in IRIPP].

DISTRIBUTION: **Palaeartic**: Iran

vanharteni

Empidideicus vanharteni Evenhuis, 2009: 739. TYPE LOCALITY: UAE [H in NMWC*].

DISTRIBUTION: **Afrotropical**: UAE.

variegatus

Empidideicus variegatus Greathead & Evenhuis, 2001a: 4. TYPE LOCALITY: Yemen (Sokotra) [H in NMSA*].

DISTRIBUTION: **Afrotropical**: Yemen (Sokotra).

zoyphus

Empidideicus zoyphus Deeming, 1973: 64. *Nomen nudum*.

zuluensis

Empidideicus zuluensis Hesse, 1967: 113. TYPE LOCALITY: South Africa (KwaZulu-Natal) [H in NMSA*].

DISTRIBUTION: **Afrotropical**: South Africa (KwaZulu-Natal).

Subfamily LEYLAIYINAE Greathead & Evenhuis**Genus LEYLAIYA Eflatoun**

LEYLAIYA Eflatoun, 1945: 21. Type species: *Leylaiya mimnermia* Eflatoun, 1945, by original designation.

Euanthobates Hesse, 1965: 482. Type species: *Euanthobates pectinigulus* Hesse, 1965, by original designation.

Acoecus Hull, 1973: 265, 276 (as subgenus of *Euanthobates* Hesse). Type species: *Euanthobates mellivorus* Hesse, 1967, by original designation.

apostibes

Leylaiya apostibes Evenhuis, 2009: 716. TYPE LOCALITY: UAE [H in NMWC*].

DISTRIBUTION: **Afrotropical**: UAE.

aquilonia

Leylaiya aquilonia Gharali & Evenhuis, 2011: 205. TYPE LOCALITY: Iran [H in IRIPP].

DISTRIBUTION: **Afrotropical**: Oman, UAE. **Palaeartic**: Iran, Iraq.

citrina

Leylaiya citrina Evenhuis & Gharali, 2020: 3. TYPE LOCALITY: UAE [H in NMWC*].

DISTRIBUTION: **Afrotropical**: Oman, UAE.

deemingi

Leylaiya deemingi Evenhuis & Gharali, 2020: 9. TYPE LOCALITY: Oman [H in NMWC*].

DISTRIBUTION: **Afrotropical**: Oman.

gharalii

Leylaiya gharalii Evenhuis in Evenhuis & Gharali, 2020: 11. TYPE LOCALITY: UAE [H in NMWC*].

DISTRIBUTION: **Afrotropical**: UAE.

mediocipitalis

Leylaiya mediocipitalis Evenhuis & Gharali, 2020: 13. TYPE LOCALITY: UAE [H in NMWC*].

DISTRIBUTION: **Afrotropical**: UAE. **Oriental**: India (Rajasthan).

mellivora

Euanthobates mellivorus Hesse, 1967: 117. TYPE LOCALITY: South Africa (Western Cape) [L designated by Evenhuis (1993: 96) in SAMC*].

DISTRIBUTION: **Afrotropical**: Namibia, South Africa (Western Cape).

mimnermia

Leylaiya mimnermia Eflatoun, 1945: 23. TYPE LOCALITY: Egypt [4S in CUE*; 4S in ESEC].

DISTRIBUTION: **Afrotropical**: Oman. **Palaeartic**: Egypt, Israel.

ochreatea

Leylaiya ochreatea Evenhuis & Gharali, 2020: 14. TYPE LOCALITY: UAE [H in NMWC*].

DISTRIBUTION: **Afrotropical**: UAE.

pectinigula

Euanthobates pectinigulus Hesse, 1965: 483. TYPE LOCALITY: Namibia [H in MZLU*].

DISTRIBUTION: **Afrotropical**: Namibia.

pellea

Leylaiya pellea Evenhuis & Kettani, 2018: 349. TYPE LOCALITY: Morocco [H in MNHNR*].

DISTRIBUTION: **Palaeartic**: Morocco.

whiteheadi

Leylaiya whiteheadi Greathead & Evenhuis, 2001b: 124. TYPE LOCALITY: South Africa (Northern Cape) [H in SAMC*].

DISTRIBUTION: **Afrotropical**: South Africa (Northern Cape).

Genus PSEUDOGLABELLULA Hesse

PSEUDOGLABELLULA Hesse, 1967: 118. Type species: *Pseudoglabellula meridionalis* Hesse, 1967, by original designation.

meridionalis

Pseudoglabellula meridionalis Hesse, 1967: 120. TYPE LOCALITY: South Africa (Western Cape) [H in SAMC*].

DISTRIBUTION: **Afrotropical**: Namibia, South Africa (Western Cape).

Subfamily MYTHICOMYIINAE Melander**Genus MITINHA Rafael & Limeira-de-Oliveira**

MITINHA Rafael & Limeira-de-Oliveira, 2014: 592. Type species: *Mitinha neri* Rafael & Limeira-de-Oliveira, 2014, by original designation

neri

Mitinha neri Rafael & Limeira-de-Oliveira, 2014: 592. TYPE LOCALITY: Brazil (Piauí) [H in CZMA*].

DISTRIBUTION: **Neotropical**: Brazil (Piauí).

Genus MYTHENTELES Hall & Evenhuis

Cladella Hull, 1973: 273. *Nomen nudum*.

MYTHENTELES Hall & Evenhuis, 1986: 332 (as subgenus of *Mythicomymia* Coquillett).

Type species: *Mythicomymia mutabilis* Melander, 1961 [= *Empidideicus propleuralis* Melander, 1946], by original designation.

Cladella Hall & Evenhuis, 1987: 619. Type species: *Empidideicus propleuralis* Melander, 1946, by original designation.

andalusica

Mythenteles andalusica Gibbs, 2007: 64. TYPE LOCALITY: Spain [H in NMWC].

DISTRIBUTION: **Palaeartic**: Spain.

baltica†

Mythenteles baltica Evenhuis, 2002e: 9. TYPE LOCALITY: Baltic Region [H in MHNN*].

DISTRIBUTION: **Palaeartic**: Baltic Region (Miocene) [A].

coptopheles

Mythenteles coptopheles Evenhuis, 2003: 8. Type locality: Israel [H in TAU*].

DISTRIBUTION: **Palaeartic**: Israel.

deemingi

Mythenteles deemingi Evenhuis, 2003: 10. TYPE LOCALITY: Cyprus [H in MHNG*].

DISTRIBUTION: **Palaeartic**: Cyprus.

freidbergi

Mythenteles freidbergi Evenhuis, 2003: 12. TYPE LOCALITY: Israel [H in TAU*].

DISTRIBUTION: **Palaeartic**: Israel.

hellenicae

Mythenteles hellenicae Evenhuis, 2003: 13. TYPE LOCALITY: Greece [H in MZLU*].

DISTRIBUTION: **Palaeartic**: Greece.

hispanicola

Mythenteles hispanicola Evenhuis, 2003: 14. TYPE LOCALITY: Spain [H in BPBM*].

DISTRIBUTION: **Palaeartic**: Spain.

indica

Empidideicus indicus Brunetti, 1917: 77. TYPE LOCALITY: India (Himachal Pradesh) [L designated by Evenhuis (2003: 17) in ZSI].

DISTRIBUTION: **Oriental**: India (Himachal Pradesh).

infrequens

Mythenteles infrequens Evenhuis & Blasco-Zumeta *in* Evenhuis, 2003: 18. TYPE LOCALITY: Spain [H in BPBM*].

DISTRIBUTION: **Palaeartic**: Spain.

propleuralis

Empidideicus propleuralis Melander, 1946: 458. TYPE LOCALITY: USA (California) [L designated by Hall & Evenhuis (1987: 629) in USNM*].

Mythicomyia mutabilis Melander, 1961: 229. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California).

rameli

Mythenteles rameli Gibbs, 2009: 51. TYPE LOCALITY: Greece [H in NMWC].

DISTRIBUTION: **Palaearctic**: Greece.

signifera

Mythenteles signifera Evenhuis & Kettani, 2018: 352. TYPE LOCALITY: Morocco [H in MNHNR*].

DISTRIBUTION: **Palaearctic**: Morocco.

silus

Mythenteles silus Evenhuis, 2003: 23. TYPE LOCALITY: USA (California) [H in CAS*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California, Nevada); Mexico (Baja California).

wadimurri

Mythenteles wadimurri Evenhuis & Theodor *in* Evenhuis, 2003: 25. TYPE LOCALITY: Israel [H in TAU*].

DISTRIBUTION: **Palaearctic**: Israel, Palestine.

Genus MYTHICOMYIA Coquillett

MYTHICOMYIA Coquillett, 1893: 209. Type species: *Mythicomyia rileyi* Coquillett, 1893, by monotypy.

Mythiocomyia: Coquillett, 1893: 209 (incorrect original spelling of *Mythicomyia* Coquillett).

Subgenus HETERHYBOS Brèthes

HETERHYBOS Brèthes, 1919: 40 (as genus). Type species: *Heterhybos hyalipennis* Brèthes, 1919, by original designation.

Mythastrabes Hall & Evenhuis, 1986: 340. Type species *Mythicomyia antecessor* Melander, 1961, by original designation.

actoni

Mythicomyia actoni Hall & Evenhuis, 1986: 341. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California).

agilis

Mythicomyia agilis Melander, 1961: 180. TYPE LOCALITY: USA (California) [H in CAS*].

DISTRIBUTION: **Nearctic**: USA (California).

antecessor

Mythicomyia antecessor Melander, 1961: 182. TYPE LOCALITY: USA (California) [H in USNM*].

Mythicomyia aureola Melander, 1961: 187. TYPE LOCALITY: USA (California) [H in USNM*].

Mythicomyia aureola var. *flavida* Melander, 1961: 187. Unavailable name; varietal name proposed after 1960.

Mythicomyia hoplites Melander, 1961: 212. TYPE LOCALITY: USA (California) [H in USNM*].

Mythicomyia murina Melander, 1961: 229. TYPE LOCALITY: USA (California) [H in UCR*].

DISTRIBUTION: **Nearctic**: Mexico (Sonora), USA (Arizona, California).

atra

Mythicomyia atra Cresson, 1915: 456. TYPE LOCALITY: USA (New Mexico) [H in ANSP*].

DISTRIBUTION: **Nearctic**: Mexico (Hidalgo, Nuevo León), USA (Arizona, California, Colorado, Idaho, New Mexico, Oregon, Texas, Utah).

auletris

Mythicomyia auletris Melander, 1961: 186. TYPE LOCALITY: Mexico (Baja California) [H in CAS*].

DISTRIBUTION: **Nearctic**: Mexico (Baja California, Sonora).

aurifera

Mythicomyia aurifera Melander, 1961: 187. TYPE LOCALITY: USA (California) [H in CAS*].

Mythicomyia formosa Melander, 1961: 206. TYPE LOCALITY: USA (Arizona) [H in CAS*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California).

bella

Mythicomyia cala var. *bella* Melander, 1961: 191. Unavailable name; varietal name proposed after 1960.

Mythicomyia bella Hall & Evenhuis, 1986: 354. TYPE LOCALITY: USA (California) [H in CAS*].

DISTRIBUTION: **Nearctic**: USA (California).

bianca

Mythicomyia bianca Tabet, 1979: 112, 115. *Nomen nudum*.

Mythicomyia bianca Tabet in Hall & Evenhuis, 1986: 341 [Tabet, 2001: 58]. TYPE LOCALITY: USA (Idaho) [H in CAS*].

DISTRIBUTION: **Nearctic**: USA (Idaho).

bilobata

Mythicomyia bilobata Ramos-Pastrana, Rojas-Portilla & Evenhuis, 2024: 542. TYPE LOCALITY: Colombia [H in LEUA].

DISTRIBUTION: **Neotropical**: Colombia.

binotata

Mythicomyia scutellata var. *binotata* Melander, 1961: 251. Unavailable name; varietal name proposed after 1960.

Mythicomyia binotata Hall & Evenhuis, 1986: 356. TYPE LOCALITY: Mexico (Baja California) [H in CAS*].

DISTRIBUTION: **Nearctic**: Mexico (Baja California).

bivulneris

Mythicomyia bivulneris Melander, 1961: 190. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California).

brachytis

Mythicomyia brachytis Hall, 1976: 77. TYPE LOCALITY: Chile [H in MEUC*].

DISTRIBUTION: **Neotropical**: Chile.

callima

Mythicomyia callima Melander, 1961: 193. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California, Nevada).

citrina

Mythicomomyia citrina Hall, 1976: 78. TYPE LOCALITY: Chile [H in MEUC*].
DISTRIBUTION: **Neotropical**: Chile.

collina

Cyrtoma collina Philippi, 1866: 768. TYPE LOCALITY: Chile [T (lost?) in MNNC].
Mythicomomyia melania Hall, 1976: 82. TYPE LOCALITY: Chile [H in MEUC*].
DISTRIBUTION: **Neotropical**: Chile.

compta

Mythicomomyia compta Melander, 1961: 197. TYPE LOCALITY: USA (California) [H in CAS*].
DISTRIBUTION: **Nearctic**: USA (California).

concinna

Mythicomomyia concinna Melander, 1961: 198. TYPE LOCALITY: USA (California) [H in USNM*].
DISTRIBUTION: **Nearctic**: USA (California).

diasema

Mythicomomyia diasema Hall, 1976: 79. TYPE LOCALITY: Chile [H in MEUC*].
DISTRIBUTION: **Neotropical**: Chile.

diropeda

Mythicomomyia diropeda Melander, 1961: 202. TYPE LOCALITY: USA (California) [L designated by Arnaud & Lee in Arnaud (1979: 219) in CAS*].
DISTRIBUTION: **Nearctic**: USA (California).

discreta

Mythicomomyia discreta Hall & Evenhuis, 1986: 368. TYPE LOCALITY: USA(California) [H in CAS*].
DISTRIBUTION: **Nearctic**: USA (California).

enoria

Mythicomomyia enoria Melander, 1961: 203. TYPE LOCALITY: USA (California) [H in USNM*].
DISTRIBUTION: **Nearctic**: USA (Arizona, California).

flavipes

Mythicomomyia flavipes Cresson, 1915: 452. TYPE LOCALITY: USA(Texas) [H in ANSP*].
DISTRIBUTION: **Nearctic**: Mexico (Sonora), USA (Arizona, California, New Mexico, Texas).

frontalia

Mythicomomyia frontalia Melander, 1961: 206. TYPE LOCALITY: USA (California) [H in USNM*].
DISTRIBUTION: **Nearctic**: USA (Arizona, California).

fumipennis

Mythicomomyia fumipennis Melander, 1961: 207. TYPE LOCALITY: Mexico (Sonora) [H in CAS*].
DISTRIBUTION: **Nearctic**: Mexico (Sonora).

galbea

Mythicomomyia galbea Melander, 1961: 208. TYPE LOCALITY: USA (California) [H in CAS*].
DISTRIBUTION: **Nearctic**: USA (Arizona, California).

gracilis

Mythicomymia gracilis Melander, 1961: 210. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California).

habra

Mythicomymia habra Melander, 1961: 211. TYPE LOCALITY: USA (Arizona) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California).

humeralis

Mythicomymia humeralis Melander, 1961: 213. TYPE LOCALITY: Mexico (Baja California) [H in CAS*].

DISTRIBUTION: **Nearctic**: Mexico (Baja California).

hyalipennis

Heterhybos hyalipennis Brèthes, 1919: 40. TYPE LOCALITY: Chile [T in MACN].

DISTRIBUTION: **Neotropical**: Chile.

hybos

Mythicomymia hybos Melander, 1961: 214. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California).

illustris

Mythicomymia illustris Melander, 1961: 215. TYPE LOCALITY: USA (Arizona) [H in CAS*].

Mythicomymia fulgida Melander, 1961: 207. TYPE LOCALITY: USA (California) [H in CAS*].

DISTRIBUTION: **Nearctic**: Mexico, USA (Arizona, California).

imbellis

Mythicomymia imbellis Melander, 1961: 215. TYPE LOCALITY: USA (California) [H in CAS*].

DISTRIBUTION: **Nearctic**: USA (California, Utah).

infrequens

Mythicomymia infrequens Hall & Evenhuis, 1986: 385. TYPE LOCALITY: USA (Arizona) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (Arizona).

insignis

Mythicomymia insignis Melander, 1961: 216. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California).

introrsa

Mythicomymia introrsa Melander, 1961: 218. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California, New Mexico).

irrupta

Mythicomymia irrupta Melander, 1961: 218. TYPE LOCALITY: USA (California) [H in USNM*].

Mythicomymia laticlavata Melander, 1961: 220. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: Mexico (Baja California); USA (Arizona, California, New Mexico, Texas, Utah, Washington).

macra

Mythicomymia macra Hall, 1976: 81. TYPE LOCALITY: Chile [H in MEUC*].

DISTRIBUTION: **Neotropical**: Chile.

marginata

Mythicomymia marginata Melander, 1961: 222. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California, New Mexico, Utah).

modesta

Mythicomymia modesta Melander, 1961: 227. TYPE LOCALITY: Mexico (Sonora) [H in USNM*].

DISTRIBUTION: **Nearctic**: Mexico (Sonora).

mulsea

Mythicomymia mulsea Melander, 1961: 228. TYPE LOCALITY: USA (California) [H in CAS*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California, New Mexico).

ocreata

Mythicomymia ocreata Melander, 1961: 232. TYPE LOCALITY: USA (Arizona) [H in CAS*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California).

optata

Mythicomymia optata Melander, 1961: 233. TYPE LOCALITY: USA (California) [H in USNM*].

Mythicomymia optata var *diloga* Melander, 1961: 234. Unavailable name; varietal name proposed after 1960.

DISTRIBUTION: **Nearctic**: Mexico (Chihuahua); USA (California, Utah).

ornata

Mythicomymia ornata Melander, 1961: 234. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California).

orthis

Mythicomymia orthis Hall, 1976: 83. TYPE LOCALITY: Chile [H in MEUC*].

DISTRIBUTION: **Neotropical**: Chile.

pallida

Mythicomymia pallida Hall & Evenhuis, 1986: 400. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California).

pedias

Mythicomymia pedias Hall & Evenhuis, 1986: 401. TYPE LOCALITY: USA (Arizona) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California).

phacodes

Mythicomymia phacodes Melander, 1961: 239. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California).

problis

Mythicomymia problis Hall, 1976: 84. TYPE LOCALITY: Chile [H in MEUC*].

DISTRIBUTION: **Neotropical**: Chile.

pulla

Mythicomymia pulla Melander, 1961: 245. TYPE LOCALITY: USA (Nevada) [H in USNM*].

DISTRIBUTION: **Nearctic**: Mexico (Sonora), USA (Arizona, California, Nevada).

pusillima

Mythicomymia pusillima Edwards, 1930: 168. TYPE LOCALITY: Uruguay [H in BMNH*].

DISTRIBUTION: **Neotropical**: Argentina, Chile, Uruguay.

scapulata

Mythicomymia scapulata Melander, 1961: 250. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California, New Mexico).

scutellata

Mythicomymia scutellata Coquillett, 1902: 102. TYPE LOCALITY: USA (Arizona) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (Arizona).

spectabilis

Mythicomymia spectabilis Hall & Evenhuis, 1986: 409. TYPE LOCALITY: USA (Arizona) [H in USNM*].

DISTRIBUTION: **Nearctic**: Mexico (Baja California), USA (Arizona, California).

tagax

Mythicomymia tagax Melander, 1961: 253. TYPE LOCALITY: USA (California) [H in CAS*].

DISTRIBUTION: **Nearctic**: USA (California).

texana

Mythicomymia texana Hall & Evenhuis, 1986: 412. TYPE LOCALITY: USA (Texas) [H in USNM*].

DISTRIBUTION: **Nearctic**: Mexico (Coahuila de Zaragoza, Durango, Nuevo León), USA (Arizona, Texas).

tokotaai

Mythicomymia tokotaai Evenhuis, 2020a: 3. TYPE LOCALITY: Fiji [H in BPBM*].

DISTRIBUTION: **Australasian**: Fiji.

trepta

Mythicomymia trepta Hall, 1976: 85. TYPE LOCALITY: Chile [H in MEUC*].

DISTRIBUTION: **Neotropical**: Chile.

tristis

Mythicomymia tristis Melander, 1961: 257. TYPE LOCALITY: USA (California) [H (lost) in USNM].

DISTRIBUTION: **Nearctic**: USA (California).

tumescens

Mythicomymia tumescens Melander, 1961: 258. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California).

vinaka

Mythicomymia vinaka Evenhuis, 2020a: 5. TYPE LOCALITY: Fiji [H in BPBM*].

DISTRIBUTION: **Australasian**: Fiji.

vulnerata

Mythicomymia vulnerata Melander, 1961: 261. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California).

Subgenus MYTHICOMYIA Coquillett**acuta**

Mythicomomyia acuta Melander, 1961: 179. TYPE LOCALITY: USA (California) [H in CAS*].

DISTRIBUTION: **Nearctic**: USA (California).

annulata

Mythicomomyia annulata Melander, 1961: 181. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: Mexico (Baja California, Sonora), USA (Arizona, California).

anomala

Mythicomomyia anomala Melander, 1961: 182. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California).

apricata

Mythicomomyia apricata Melander, 1961: 183. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California, Utah, Washington).

arizonica

Mythicomomyia arizonica Hall & Evenhuis, 1986: 425. TYPE LOCALITY: USA (Arizona) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California, Colorado, Texas).

armata

Mythicomomyia armata Cresson, 1915: 455. TYPE LOCALITY: USA (New Mexico) [H in ANSP*].

DISTRIBUTION: **Nearctic**: Mexico (Baja California, Sonora), USA (Arizona, California, Idaho, New Mexico, Washington).

armipes

Mythicomomyia armipes Cresson, 1915: 454. TYPE LOCALITY: USA (New Mexico) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California, New Mexico).

asclepiadis

Mythicomomyia asclepiadis Hall & Evenhuis, 1986: 431. TYPE LOCALITY: USA (Arizona) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California, Nevada).

aspilota

Mythicomomyia crocina var. *aspilota* Melander, 1961: 164, 200. Unavailable name; varietal name published after 1960.

Mythicomomyia aspilota Hall & Evenhuis, 1986: 432. TYPE LOCALITY: USA (California) [H in CAS*].

DISTRIBUTION: **Nearctic**: USA (California).

atratella

Mythicomomyia atratella Hall & Evenhuis, 1986: 434. TYPE LOCALITY: USA (California) [H in CAS*].

DISTRIBUTION: **Nearctic**: USA (California).

bilychnis

Mythicomomyia bilychnis Melander, 1961: 189. TYPE LOCALITY: USA (California) [H in CAS*].

DISTRIBUTION: **Nearctic**: USA (California).

brevis

Mythicomymia brevis Hall & Evenhuis, 1986: 439. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California).

brevivena

Mythicomymia brevivena Tabet, 1979: 111, 118. Unavailable name; unpublished thesis.

Mythicomymia brevivena Tabet in Hall & Evenhuis, 1986: 440 [Tabet, 2001: 60]. TYPE LOCALITY: USA (Idaho) [H in CAS*].

DISTRIBUTION: **Nearctic**: USA (California, Idaho, Oregon).

californica

Mythicomymia californica Greene, 1924: 61. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California, Nevada, Oregon).

caligula

Mythicomymia caligula Melander, 1961: 193. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California).

calva

Mythicomymia calva Melander, 1961: 194. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: Mexico, USA (Arizona, California).

campestris

Mythicomymia campestris Hall & Evenhuis, 1986: 448. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California).

carptura

Mythicomymia carptura Melander, 1961: 194. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California, Oregon, Washington).

cocollina

Mythicomymia collina Melander, 1961: 195. TYPE LOCALITY: USA (California) [H in USNM*]. [Preoccupied by Philippi, 1866.]

Mythicomymia cocollina Evenhuis, 2002d: 44 (new replacement name for *Mythicomymia collina* Melander, 1961).

DISTRIBUTION: **Nearctic**: USA (California, Colorado).

communis

Mythicomymia communis Hall & Evenhuis, 1986: 454. TYPE LOCALITY: USA (California) [H in CAS*].

DISTRIBUTION: **Nearctic**: USA (California).

comparata

Mythicomymia comparata Melander, 1961: 197. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California).

concrescens

Mythicomymia concrescens Melander, 1961: 198. TYPE LOCALITY: USA (California) [H in CAS*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California).

cressoni

Mythicomyia cressoni Melander, 1961: 199. TYPE LOCALITY: USA (California) [L designated by Hall & Evenhuis (1986: 457) in USNM*].

DISTRIBUTION: **Nearctic**: USA (California, New Mexico, Utah).

cristata

Mythicomyia cristata Melander, 1961: 199. TYPE LOCALITY: USA (Washington) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (Washington).

cruralis

Mythicomyia cruralis Melander, 1961: 201. TYPE LOCALITY: Mexico (Baja California) [H in CAS*].

DISTRIBUTION: **Nearctic**: Mexico (Baja California, Sonora), USA (Arizona, California).

curtata

Mythicomyia curtata Hall & Evenhuis, 1986: 461. TYPE LOCALITY: USA (Arizona) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (Arizona).

cylla

Mythicomyia cylla Melander, 1961: 201. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California).

desertorum

Mythicomyia desertorum Hall & Evenhuis, 1986: 464. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California).

diadela

Mythicomyia diadela Melander, 1961: 201. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California).

dipura

Mythicomyia dipura Melander, 1961: 202. TYPE LOCALITY: USA (California) [H in CAS*].

DISTRIBUTION: **Nearctic**: USA (California).

fasciolata

Mythicomyia fasciolata Melander, 1961: 204. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: Mexico (Sonora), USA (Arizona, California, Utah).

fusca

Mythicomyia fusca Hall & Evenhuis, 1986: 469. TYPE LOCALITY: Mexico (Durango) [H in USNM].

DISTRIBUTION: **Nearctic**: Mexico (Coahuila de Zaragoza, Durango), USA (Arizona).

gausa

Mythicomyia gausa Melander, 1961: 208. TYPE LOCALITY: USA (California) [H in CAS*].

DISTRIBUTION: **Nearctic**: USA (California).

gibbera

Mythicomyia gibbera Melander, 1961: 210. TYPE LOCALITY: USA (California) [H in USNM*].

Mythicomymia gibba Melander, 1961: 209. TYPE LOCALITY: USA (Arizona) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California).

grandis

Mythicomymia grandis Hall & Evenhuis, 1986: 475. TYPE LOCALITY: Mexico (Puebla) [H in USNM*].

DISTRIBUTION: **Nearctic**: Mexico (Guerrero, Puebla).

gynandra

Mythicomymia gynandra Melander, 1961: 211. TYPE LOCALITY: Mexico (Baja California) [H in CAS*].

Mythicomymia minor Melander, 1961: 224. TYPE LOCALITY: Mexico (Sonora) [H in USNM*].

DISTRIBUTION: **Nearctic**: Mexico (Baja California, Sonora), USA (California).

hamata

Mythicomymia hamata Melander, 1961: 211. TYPE LOCALITY: USA (California) [H in CAS*].

DISTRIBUTION: **Nearctic**: USA (California).

hespera

Mythicomymia hespera Hall & Evenhuis, 1986: 479. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: Mexico (Baja California, Sonora), USA (California).

hormatha

Mythicomymia hormatha Melander, 1961: 213. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California, Nevada, Utah).

intermedia

Mythicomymia intermedia Melander, 1961: 217. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: Mexico (Sonora), USA (Arizona, California, Colorado, New Mexico, Utah).

lenticularis

Mythicomymia lenticularis Melander, 1961: 220. TYPE LOCALITY: USA (California) [H in CAS*].

DISTRIBUTION: **Nearctic**: Mexico (Sonora), USA (California).

levigata

Mythicomymia levigata Melander, 1961: 221. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California).

liticen

Mythicomymia liticen Melander, 1961: 221. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: Mexico (Sonora), USA (Arizona, California).

litoris

Mythicomymia litoris Hall & Evenhuis, 1986: 491. TYPE LOCALITY: USA (California) [H in CAS*].

DISTRIBUTION: **Nearctic**: USA (California).

longimana

Mythicomymia longimana Melander, 1961: 222. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California).

lucens

Mythicomymia minima var. *lucens* Melander, 1961: 224. Unavailable name; varietal name proposed after 1960.

Mythicomymia lucens Hall & Evenhuis, 1986: 494. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California).

macclayi

Mythicomymia macclayi Hall & Evenhuis, 1986: 495. TYPE LOCALITY: USA (California) [H in UCD*].

DISTRIBUTION: **Nearctic**: USA (California).

macroglossa

Mythicomymia macroglossa Hall & Evenhuis, 1986: 497. TYPE LOCALITY: USA (Utah) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (Utah).

minima

Mythicomymia minima Melander, 1961: 223. TYPE LOCALITY: USA (California) [H in CAS*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California).

mitrata

Mythicomymia mitrata Melander, 1961: 227. TYPE LOCALITY: USA (California) [H in CAS*].

DISTRIBUTION: **Nearctic**: USA (California).

munda

Mythicomymia munda Melander, 1961: 228. TYPE LOCALITY: Mexico (Baja California) [H in CAS*].

DISTRIBUTION: **Nearctic**: Mexico (Baja California).

nevadensis

Mythicomymia nevadensis Hall & Evenhuis, 1986: 502. TYPE LOCALITY: USA (Nevada) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (Arizona, Nevada).

nigricans

Mythicomymia nigricans Melander, 1961: 231. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California).

nitida

Mythicomymia nitida Melander, 1961: 231. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California).

nitidula

Mythicomymia nitidula Melander, 1961: 231. TYPE LOCALITY: USA (California) [H in CAS*].

DISTRIBUTION: **Nearctic**: USA (California).

oporina

Mythicomymia oporina Melander, 1961: 232. TYPE LOCALITY: USA (California) [H in USNM*].

Mythicomymia bibosa Melander, 1961: 188. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California).

orchestes

Mythicomymia orchestes Melander, 1961: 234. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California).

ornatula

Mythicomymia ornatula Melander, 1961: 235. TYPE LOCALITY: USA (California) [H in USNM*].

Mythicomymia lanculata Tabet, 1979: 110. Incorrect original spelling of *lunulata*.

Mythicomymia lunulata Tabet, 1979: 124. Unavailable name; unpublished thesis.

Mythicomymia candida Tabet & Hall, 1987: 43. TYPE LOCALITY: USA (California) [H in CAS*].

Mythicomymia lunulata Tabet, 2001: 60. TYPE LOCALITY: USA (Idaho) [H in CAS].

DISTRIBUTION: **Nearctic**: Mexico (Durango), USA (Arizona, California, Idaho, Montana, Oregon, Washington).

painterorum

Mythicomymia painterorum Hall & Evenhuis, 1986: 510. TYPE LOCALITY: USA (Arizona) [H in USNM*].

DISTRIBUTION: **Nearctic**: Mexico (Colima), USA (Arizona).

parma

Mythicomymia parma Melander, 1961: 236. TYPE LOCALITY: USA (California) [H in CAS*].

DISTRIBUTION: **Nearctic**: USA (California).

peniculus

Mythicomymia peniculus Melander, 1961: 237. TYPE LOCALITY: USA (Arizona) [H in CAS*].

DISTRIBUTION: **Nearctic**: USA (Arizona).

perlonga

Mythicomymia perlonga Hall & Evenhuis, 1986: 515. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California).

petena

Mythicomymia petena Melander, 1961: 237. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California).

petiolata

Mythicomymia petiolata Melander, 1961: 238. TYPE LOCALITY: USA (California) [H in CAS*].

DISTRIBUTION: **Nearctic**: USA (California).

pharetra

Mythicomymia pharetra Melander, 1961: 239. TYPE LOCALITY: USA (California) [H in CAS*].

DISTRIBUTION: **Nearctic**: USA (California).

phormus

Mythicomyia phormus Hall & Evenhuis, 1986: 522. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California).

picta

Mythicomyia picta Melander, 1961: 240. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California, Idaho, Oregon, Utah).

pictipes

Mythicomyia pictipes Coquillett, 1902: 102. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California, New Mexico).

platycheira

Mythicomyia platycheira Melander, 1961: 241. TYPE LOCALITY: USA (Oregon) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (Oregon).

poliodes

Mythicomyia poliodes Hall & Evenhuis, 1986: 529. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California).

polygena

Mythicomyia polygena Melander, 1961: 242. TYPE LOCALITY: USA (Utah) [H in USNM*].

DISTRIBUTION: **Nearctic**: Mexico (Baja California), USA (Arizona, California, Idaho, Nevada, Utah).

polysperes

Mythicomyia polysperes Hall & Evenhuis, 1986: 532. TYPE LOCALITY: USA (Texas) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California, Texas, Washington).

potrix

Mythicomyia potrix Melander, 1961: 242. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California, Nevada, Oregon, Washington).

powelli

Mythicomyia powelli Hall & Evenhuis, 1986: 536. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California).

pravipes

Mythicomyia pravipes Melander, 1961: 243. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: Mexico (Durango, Hidalgo, Sonora), USA (Arizona, California, Washington).

pruinosa

Mythicomyia pruinosa Melander, 1961: 244. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: Mexico (Sonora), USA (California).

pusilla

Mythicomyia pusilla Melander, 1961: 245. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California).

rhaeba

Mythicomymia rhaeba Melander, 1961: 246. TYPE LOCALITY: USA (California) [H in CAS*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California, Idaho, Montana).

rileyi

Mythicomymia rileyi Coquillett, 1893: 209. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: Mexico (Baja California Sonora), USA (Arizona, California, Idaho, Nevada, New Mexico, Utah, Washington).

salpinx

Mythicomymia salpinx Melander, 1961: 249. TYPE LOCALITY: USA (California) [H in CAS*].

Mythicomymia torta Tabet & Hall, 1987: 49. TYPE LOCALITY: USA (California) [H in CAS*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California, Texas, Utah).

schlingeri

Mythicomymia schlingeri Hall & Evenhuis, 1986: 550. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California, Nevada).

sedonae

Mythicomymia sedonae Evenhuis, 1989: 527. TYPE LOCALITY: USA (Arizona) [H in BPBM*].

DISTRIBUTION: **Nearctic**: USA (Arizona).

sorbens

Mythicomymia sorbens Melander, 1961: 252. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California).

strenua

Mythicomymia strenua Hall & Evenhuis, 1986: 553. TYPE LOCALITY: USA (Arizona) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (Arizona).

tenthes

Mythicomymia tenthes Melander, 1961: 253. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: Mexico (Baja California, Sonora), USA (Arizona, California).

tibialis

Mythicomymia tibialis Coquillett, 1895: 409. TYPE LOCALITY: USA (California) [H in USNM*].

Mythicomymia triformis Melander, 1961: 255. TYPE LOCALITY: USA (California) [H in USNM*].

Mythicomymia triformis var. *chitona* Melander, 1961: 256. Unavailable name; varietal name published after 1960.

Mythicomymia triformis var. *monacha* Melander, 1961: 256. Unavailable name; varietal name published after 1960.

DISTRIBUTION: **Nearctic**: Mexico (Baja California), USA (California, Idaho, Nevada, New Mexico).

timberlakei

Mythicomymia timberlakei Hall & Evenhuis, 1986: 559. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California).

tortilis

Mythicomymia tortilis Hall & Evenhuis, 1986: 560. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California).

trifaria

Mythicomymia trifaria Melander, 1961: 254. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California, Colorado, Nevada, Utah).

tubicen

Mythicomymia tubicen Melander, 1961: 257. TYPE LOCALITY: Mexico (Baja California) [H in CAS*].

DISTRIBUTION: **Nearctic**: Mexico (Baja California), USA (Arizona).

uncata

Mythicomymia uncata Melander, 1961: 258. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California, Oregon, Washington).

vallis

Mythicomymia vallis Hall & Evenhuis, 1986: 567. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California, ?Utah).

versicolor

Mythicomymia versicolor Hall & Evenhuis, 1986: 569. TYPE LOCALITY: USA (Arizona) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (Arizona, Utah, Wyoming).

vestis

Mythicomymia vestis Melander, 1961: 259. TYPE LOCALITY: USA (California) [H in BYU*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California).

vilis

Mythicomymia vilis Melander, 1961: 259. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California).

Unplaced to Subgenus of MYTHICOMYIA**actites**

Mythicomymia collina var. *actites* Melander, 1961: 196. Unavailable; varietal name published after 1960.

Mythicomymia actites Hall & Evenhuis, 1986: 573. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California).

africana

Mythicomymia africana Evenhuis, 2020a: 6. TYPE LOCALITY: South Africa (Western Cape) [H in CAS*].

DISTRIBUTION: **Afrotropical**: South Africa (Western Cape).

asiatica

Mythicomymia asiatica Evenhuis, 1981: 5. TYPE LOCALITY: China (Sichuan) [H in CAS*].

DISTRIBUTION: **Palaearctic**: China (Sichuan).

atrita

Mythicomymia atrita Melander, 1961: 186. TYPE LOCALITY: USA (New Mexico) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (New Mexico).

bucinator

Mythicomymia bucinator Melander, 1961: 190. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California).

cala

Mythicomymia cala Melander, 1961: 190. TYPE LOCALITY: USA (California) [N designated in Hall & Evenhuis (1986: 575) in CAS*].

DISTRIBUTION: **Nearctic**: USA (California).

comma

Mythicomymia comma Melander, 1961: 196. TYPE LOCALITY: USA (New Mexico) [H in USNM*].

DISTRIBUTION: **Nearctic**: Mexico (Sonora), USA (New Mexico).

crocina

Mythicomymia crocina Melander, 1961: 200. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California).

dominicana[†]

Mythicomymia dominicana Evenhuis, 2002e: 8. TYPE LOCALITY: Dominican Republic [H in AMNH].

Mythicomymia dominica: Evenhuis, 2002e: 8; incorrect original spelling of *dominicana*

DISTRIBUTION: **Neotropical**: Dominican Republic (Miocene) [A].

flaviventris

Mythicomymia flaviventris Melander, 1961: 205. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California, ?Texas).

huk

Mythicomymia huk Sánchez & Evenhuis, 2024: 514. TYPE LOCALITY: Peru [H in CAS].

DISTRIBUTION: **Neotropical**: Peru.

indicata

Mythicomymia indicata Melander, 1961: 216. TYPE LOCALITY: USA (California) [H in CAS*].

DISTRIBUTION: **Nearctic**: USA (California).

irwini

Mythicomymia irwini Evenhuis, 2020a: 7. TYPE LOCALITY: India (Rajasthan) [H in ZSI*].

DISTRIBUTION: **Oriental**: India (Rajasthan).

iskay

Mythicomymia iskay Sánchez & Evenhuis, 2024: 518. TYPE LOCALITY: Peru [H in CAS].

DISTRIBUTION: **Neotropical**: Peru.

kinsa

Mythicomymia kinsa Sánchez & Evenhuis, 2024: 523. TYPE LOCALITY: Peru. [H in MUSM].

DISTRIBUTION: **Neotropical**: Peru.

minuscula

Mythicomymia minuscula Melander, 1961: 225. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California).

mira

Mythicomymia mira Melander, 1961: 226. TYPE LOCALITY: USA (California) [H in BYU*].

DISTRIBUTION: **Nearctic**: USA (California).

mirifica

Mythicomymia mirifica Melander, 1961: 226. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California).

petes

Mythicomymia petes Melander, 1961: 238. TYPE LOCALITY: USA (Arizona) [H in CAS*].

DISTRIBUTION: **Nearctic**: USA (Arizona).

phalerata

Mythicomymia phalerata Melander, 1961: 239. TYPE LOCALITY: USA (Washington) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (Washington).

pisqa

Mythicomymia pisqa Sánchez & Evenhuis, 2024: 530. TYPE LOCALITY: Peru. [H in MUSM].

DISTRIBUTION: **Neotropical**: Peru.

rigirostris

Mythicomymia rigirostris Evenhuis, 1981: 6. TYPE LOCALITY: Bangladesh [H in CAS*].

DISTRIBUTION: **Oriental**: Bangladesh.

robiginosa

Mythicomymia robiginosa Melander, 1961: 249. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California).

sugens

Mythicomymia sugens Melander, 1961: 252. TYPE LOCALITY: USA (Oregon) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California, Oregon).

tawa

Mythicomymia tawa Sánchez & Evenhuis, 2024: 526. TYPE LOCALITY: Peru. [H in MUSM].

DISTRIBUTION: **Neotropical**: Peru.

virgata

Mythicomymia virgata Melander, 1961: 260. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California).

virgo

Mythicomymia virgo Melander, 1961: 260. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California, Utah).

Genus NEXUS Hall & Evenhuis

NEXUS Hall & Evenhuis, 1987: 623. Type species: *Nexus cyrtoidopsis* Hall & Evenhuis, 1986, by original designation.

cyrtoidopsis

Nexus cyrtoidopsis Hall & Evenhuis, 1987: 624. TYPE LOCALITY: USA (Arizona) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (Arizona, Nevada).

Genus PARACONSORS Hall & Evenhuis

PARACONSORS Hall & Evenhuis, 1987: 606. Type species: *Mythicomymia aperta* Melander, 1961, by original designation.

Subgenus ELACHYMYIA Hall & Evenhuis

ELACHYMYIA Hall & Evenhuis, 1987: 616. Type species: *Empidideicus humeralis* Melander, 1946, by original designation.

humeralis

Empidideicus humeralis Melander, 1946: 455. TYPE LOCALITY: USA (California) [H in USNM*].

Mythicomymia hiata Melander, 1961: 212. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California).

Subgenus PARACONSORS Hall & Evenhuis**aperta**

Mythicomymia aperta Melander, 1961: 183. TYPE LOCALITY: Mexico (Baja California) [H in CAS*].

DISTRIBUTION: **Nearctic**: Mexico (Baja California), USA (California).

cooperi

Paraconsors cooperi Hall & Evenhuis, 1987: 610. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California).

flavifrons

Empidideicus flavifrons Melander, 1950a: 141. TYPE LOCALITY: USA (California) [L designated by Hall & Evenhuis (1987: 611) in USNM*].

DISTRIBUTION: **Nearctic**: USA (California).

napaea

Mythicomymia napaea Melander, 1961: 165, 230. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California).

scutellaris

Empidideicus scutellaris Melander, 1946: 455, 456. TYPE LOCALITY: USA (California) [L designated by Hall & Evenhuis (1987: 613) in USNM*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California).

timberlakei

Empidideicus timberlakei Hall, 1967: 216. TYPE LOCALITY: USA (Texas) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (Texas).

Genus PIEZA Evenhuis

PIEZA Evenhuis, 2002b: 3. Type species: *Mythicomyia angusta* Melander, 1961, by original designation.

agnastis

Mythicomyia agnastis Hall, 1976: 77. Chile [H in MEUC*].

DISTRIBUTION: **Neotropical**: Chile.

angusta

Mythicomyia angusta Melander, 1961: 180. TYPE LOCALITY: USA (California) [H in USNM*].

Mythicomyia vernalis Frommer, 1981: 37. *Nomen nudum*.

Mythicomyia vernalis Tabet & Hall, 1987: 50. TYPE LOCALITY: USA (California) [H in CAS*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California, New Mexico).

ankh

Pieza ankh Mendes, Lamas, Evenhuis & Limeira-de-Oliveira, 2019: 3. TYPE LOCALITY: Brazil (Piauí) [H in CZMA].

DISTRIBUTION: **Neotropical**: Brazil (Piauí, Maranhão).

aurislepus

Pieza aurislepus Mendes, Lamas, Evenhuis & Limeira-de-Oliveira, 2019: 5. TYPE LOCALITY: Brazil (Maranhão) [H in CZMA].

DISTRIBUTION: **Neotropical**: Brazil (Maranhão).

bittencourti

Pieza bittencourti Mendes, Lamas, Evenhuis & Limeira-de-Oliveira, 2019: 8. TYPE LOCALITY: Brazil (Maranhão) [H in CZMA].

DISTRIBUTION: **Neotropical**: Brazil (Maranhão, Piauí).

deresistans

Pieza deresistans Evenhuis, 2002b: 9. TYPE LOCALITY: Venezuela [H in USNM*].

DISTRIBUTION: **Neotropical**: Venezuela.

dominicana†

Pieza dominicana Evenhuis, 2002e: 10. TYPE LOCALITY: Dominican Republic (Miocene) [H in AMNH*].

DISTRIBUTION: **Neotropical**: Dominican Republic (Miocene) [A].

flavitibia

Pieza flavitibia Evenhuis, 2002b: 12. TYPE LOCALITY: Venezuela [H in USNM*].

DISTRIBUTION: **Neotropical**: Venezuela.

globosa

Pieza globosa Ramos-Pastrana, Córdoba-Suarez & Evenhuis, 2023b: 365. TYPE LOCALITY: Colombia [H in LEUA].

DISTRIBUTION: **Neotropical**: Colombia.

kake

Pieza kake Evenhuis, 2002b: 13. TYPE LOCALITY: Brazil (Belo Horizonte) [H (destroyed in 2018 fire) in MNRJ*].

DISTRIBUTION: **Neotropical**: Brazil (Belo Horizonte).

ministra

Mythicomymia ministra Melander, 1961: 224. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California, New Mexico).

minuta

Mythicomymia minuta Greene, 1924: 62. TYPE LOCALITY: USA (New Mexico) [H in USNM*].

Mythicomymia eremica Melander, 1961: 204. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (California, New Mexico).

ostenta

Mythicomymia ostenta Melander, 1961: 236. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California, Texas).

parakake

Piezia parakake Mendes, Lamas, Evenhuis & Limeira-de-Oliveira, 2019: 10. TYPE LOCALITY: Brazil (Piauí) [H in CZMA].

DISTRIBUTION: **Neotropical**: Brazil (Piauí, Maranhão).

parnasecon

Piezia parnasecon Mendes, Lamas, Evenhuis & Limeira-de-Oliveira, 2019: 13. TYPE LOCALITY: Brazil (Piauí) [H in CZMA].

DISTRIBUTION: **Neotropical**: Brazil (Piauí).

pi

Piezia pi Evenhuis, 2002b: 19. TYPE LOCALITY: Bahamas Is [H in AMNH*].

DISTRIBUTION: **Nearctic**: Mexico (Morelos). **Neotropical**: Bahamas Is.

rafaeli

Piezia rafaeli Mendes, Lamas, Evenhuis & Limeira-de-Oliveira, 2019: 15. TYPE LOCALITY: Brazil (Maranhão) [H in CZMA].

DISTRIBUTION: **Neotropical**: Brazil (Maranhão, Piauí), Colombia.

rhea

Piezia rhea Evenhuis, 2002b: 21. TYPE LOCALITY: USA (Florida) [H in ABS*].

DISTRIBUTION: **Nearctic**: USA (Florida).

silvanae

Piezia silvanae Mendes, Lamas, Evenhuis & Limeira-de-Oliveira, 2019: 18. TYPE LOCALITY: Brazil (Maranhão) [H in CZMA].

DISTRIBUTION: **Neotropical**: Brazil (Maranhão).

sinclairi

Piezia sinclairi Evenhuis, 2002b: 22. TYPE LOCALITY: Galápagos Is [H in CNC*].

DISTRIBUTION: **Neotropical**: Curaçao, Dominican Republic, Galápagos Is.

yeatesi

Piezia yeatesi Mendes, Lamas, Evenhuis & Limeira-de-Oliveira, 2019: 20. TYPE LOCALITY: Brazil (Maranhão) [H in CZMA].

DISTRIBUTION: **Neotropical**: Brazil (Maranhão).

Genus REISSA Evenhuis & Báez

REISSA Evenhuis & Báez *in* Greathead & Evenhuis, 2001b: 127. Type species: *Reissa roni* Evenhuis & Báez, 2001, by original designation.

kohlsi†

Reissa kohlsi Evenhuis, 2019c: 224. TYPE LOCALITY: Colorado (Green River Formation) [H in UCM*].

DISTRIBUTION: **Nearctic**: USA (Colorado) (Eocene) [C].

roni

Reissa roni Evenhuis & Báez *in* Greathead & Evenhuis, 2001b: 128. TYPE LOCALITY: Canary Is [H in MABC*].

DISTRIBUTION: **Palaearctic**: Canary Is.

Genus RIGA Evenhuis

RIGA Evenhuis, 2013: 378. Type species: *Riga toni* Evenhuis, 2013, by original designation.

toni†

Riga toni Evenhuis, 2013: 378. TYPE LOCALITY: Ukraine (Rovno amber) [H in SIZK*].

DISTRIBUTION: **Palaearctic**: Ukraine (Eocene) [A].

Genus TAMANDUAMYIA Rafael & Limeira-de-Oliveira

TAMANDUAMYIA Rafael & Limeira-de-Oliveira, 2014: 594. Type species: *Tamanduamyia bandeira* Rafael & Limeira-de-Oliveira, 2014, by original designation

bandeira

Tamanduamyia bandeira Rafael & Limeira-de-Oliveira, 2014: 595. TYPE LOCALITY: Brazil (Piauí) [H in CZMA].

DISTRIBUTION: **Neotropical**: Brazil (Piauí).

bichuetae

Tamanduamyia bichuetae Lamas, Mendes, Falaschi & Evenhuis, 2023: 3. TYPE LOCALITY: Brazil (Bahia) [H in MZUSP].

DISTRIBUTION: **Neotropical**: Brazil (Bahia).

Unplaced to Subfamily

Genus HESYCHASTES Evenhuis

HESYCHASTES Evenhuis, 2002a: 137. Type species: *Hesychastes solitus* Evenhuis, 2002, by original designation.

solitus

Hesychastes solitus Evenhuis, 2002a:138. TYPE LOCALITY: Namibia [H in NMNW].

DISTRIBUTION: **Afrotropical**: Namibia.

Genus MICROBURMYIA Grimaldi & Cumming†

MICROBURMYIA Grimaldi & Cumming, 2011: 312. Type species: *Microburmyia analvena* Grimaldi & Cumming, 2011 by original designation.

analvena†

Microburmyia analvena Grimaldi & Cumming, 2011: 313. TYPE LOCALITY: Myanmar [H in KU].

DISTRIBUTION: **Oriental**: Myanmar [A] [Cretaceous].

veanalvena†

Microburmyia veanalvena Grimaldi & Cumming, 2011: 315. TYPE LOCALITY: Myanmar [H in AMNH].

DISTRIBUTION: **Oriental**: Myanmar [A] [Cretaceous].

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Authors' names: Surnames of authors are cited in the bibliography the same as they are in the text for proper association of literature citations with entries in the catalog. See under Explanatory Information in the Introduction for protocol in orthography of names of authors. Full given names and dates of birth and/or death are given where known.

Dates of publication: A concerted effort for obtaining dates of publication for taxonomic Diptera works was begun in Evenhuis *et al.* (1989) and has continued in similar catalogs (e.g., Evenhuis, 1991, 1994, 1997, 2002d; Evenhuis & Greathead, 1999, etc.). Dates of the works cited in this catalog were obtained through various methods in order to obtain as accurate a date of publication as possible for purposes of priority in nomenclature. Dates found in the original work or by outside evidence are placed in parentheses after the literature citation. Those found in the original work itself are not annotated or marked. Those dates marked with a single asterisk (*) are dated from library receipts at the Natural History Museum, London. Dating from other outside evidence (reviews in other journals, evidence through published research, dates of receipt at other libraries, etc.) are given with annotations in square brackets after the publication date. Where no accurate date of publication could be obtained other than the year, the date "31 December+" is given to distinguish it from published dates of 31 December. Dates with month only should be construed as being issued on the last day of that month until further evidence is found to restrict the actual date of publication further within the month. Where the actual year of publication, found through outside evidence, is different than a printed year within the work itself, an annotation explaining such evidence is given in square brackets after the date of publication.

Titles: Titles of articles in journals and books are given in full including secondary titles. Titles are given as on the title page of the original work (in some cases, titles on wrappers, covers, and tables of contents may vary somewhat). Titles are standardized to lowercase except for proper nouns and in cases where languages require capitalization. Where possible, titles in Eastern European languages and Cyrillic have either been translated into English and placed in brackets or transliterated, with original language indicated in the annotation for that citation.

Journals: Journals are spelled out in full. Additional information, such as series number or name, is given in parentheses but not italicized. Volume numbers are given in Arabic numbers in boldface, irrespective of whether or not Roman numerals were used in the work cited. Issue or part numbers are included in parentheses after the volume number only if each issue is separately paginated. In cases where there is no volume number, but the volume pertains to a particular year, that year is used as the volume number (even though the actual date of publication may differ) and placed in boldface type. Citation of plate and/or figure numbers is omitted in the citation except in cases when necessary for nomenclatural reasons within the catalog or for bibliographic retrieval. Pagination is given for the entire article except in those cases where the article has been published at different times due to separate issues. Books: Single-volume books are cited with title (italicized), publisher (if known), place(s) of publication, and pagination (Roman and Arabic as appropriate). Multi-volume

works are listed separately by volume with full reference as for single-volume books. Continuously paginated multi-volume works are listed singly for as many parts (or volumes) as were published in a single year (only if separate issue dates are not known). Unpaginated portions of a book are placed in square brackets.

Annotations: Annotations are given to clarify authors' spellings, explanations of dating, title variations, duplicate versions, translations, separate editions, and various other reasons.

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BECKER, THEODOR (1840–1928)

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