

## The velvet ants (Hymenoptera, Mutillidae) of Mexico: a taxonomic account

## Los Mutílidos (Hymenoptera, Mutillidae) de México: una perspectiva taxonómica

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**ABSTRACT.** Digitalized data from different collections and information from the literature were analyzed to document the diversity of velvet ants of Mexico. A checklist of 369 species was compiled. This work has contributed to increasing the known species of Mexico by 40.30%. The most species-rich genus is *Dasymutilla* with 114 species and the less species-rich genera are *Hoplognathoca*, *Myrmosula* and *Pertyella* with one species each. The states with the most genera are Sonora, Chihuahua, and Coahuila and those with the most species are Sonora, Baja California, and Chihuahua. This study represents the first attempt to integrate information on the velvet ants occurring in Mexico and their geographic distribution per state.

**Key words:** Checklist; diversity; geographic distribution; Mexico; species

**RESUMEN.** Datos digitalizados de diferentes colecciones y la información proveniente de literatura fue analizada para documentar la diversidad de mutílidos de México. Se generó

una lista anotada de 369 especies. Este trabajo ha contribuido a incrementar la riqueza de especies conocida para México en un 40.30%. El género con mayor número de especies es *Dasymutilla* con 114 y los géneros menos diversos son *Hoplognathoca*, *Myrmosula* y *Pertyella* con una especie cada uno. Los estados con el mayor número de géneros son Sonora, Chihuahua y Coahuila y aquellos con el mayor número de especies son Sonora, Baja California y Chihuahua. Este trabajo representa el primer intento de integración de la información sobre la distribución geográfica de los mutílicos de México por estado.

**Palabras clave:** distribución geográfica; diversidad; especies; lista anotada; México

## INTRODUCTION

Velvet ants belong to the family Mutillidae (Hymenoptera). Hanson & Gauld (2006) estimated that the family consists of at least 10,000 species worldwide. More recent studies suggest around 4,300 and 4,603 species around the world (Brothers & Lelej, 2017; Pagliano *et al.*, 2020). There are eight subfamilies within the Mutillidae (Brothers & Lelej, 2017; Pagliano *et al.*, 2020), but only Myrmosinae, Sphaerophthalminae and Mutillinae occur in the New World (Manley & Pitts, 2002). *Mutilla europaea* Linnaeus, 1758 was the first velvet ant described and this genus was used to encompass all the known velvet wasp species at that time. Thus, the genus *Mutilla* was considered the most extensive and cosmopolitan genus within Aculeata. In fact, some of the first descriptive works that included Mexican species were placed in *Mutilla* (Blake, 1871; 1886) or *Sphaerophthalma* (Blake, 1871). However, advances in the taxonomy of velvet ants have allowed many species previously recognized within *Mutilla* or *Sphaerophthalma* to be placed in other genera such as *Ephuta* Say, 1836; *Dasymutilla* Ashmead, 1899; *Pseudomethoca* Ashmead, 1896; and *Timulla* Ashmead, 1899, which occur in Mexico.

Much of the recent knowledge about the diversity of velvet ant species in Mexico comes from various types of taxonomic information, such as descriptions of new taxa or taxonomic revisions (Manley & Pitts, 2007; Pitts, 2007). Pagliano *et al.* (2020) attempt to integrate the diversity of the world's velvet ants by mentioning the distribution of species at the country level. After the work of Pagliano *et al.* (2020), there is no integrative approach that includes an updated checklist of the velvet ants of Mexico.

Mittermeier *et al.* (1997), suggest that Mexico holds about 10 percent of the biodiversity of the world, at least in some groups such as mammals, birds, reptiles and plants. According to Pagliano *et al.* (2020), the number of velvet ants known for Mexico is 265 (plus 23 *incertae sedis* species and a *nomen dubium*). In this sense, whatever the reasons, the diversity of velvet ants occurring in Mexico seems to be underestimated. The aim of this work is to provide an integrative analysis of the velvet ants of Mexico and create the first checklist of velvet ants of the country with annotations on their distribution by state.

## MATERIALS AND METHODS

To document the diversity of velvet ants of Mexico, the previous work on the catalogue of the velvet ants of the Neotropical region, including Mexico (Nonveiller, 1990) and that of the World

(Pagliano *et al.*, 2020) were used as basis. The checklist was generated in alphabetical order but following the classification and nomenclature of the velvet ants used by Pagliano *et al.* (2020). Synonyms are included. The section named "Distribution" contains the name of the state where the species occur. The new records for Mexico were marked in bold in the checklist and the *incertae sedis* species and a *nomen dubium* are shown at the end of the checklist. (See Appendix A). Two maps of Mexico were created to show the richness of genera and species for each state in a color gradient.

Two sources of information were used to generate the checklist. In the first place, specialized literature coming from general catalogues or monographs (Blake, 1871; Blake, 1886; Krombein, 1979; Nonveiller 1990) as well as different taxonomic works focused on specific groups of velvet ants, like those on *Dasymutilla* (Manley & Pitts, 2002; Manley & Pitts, 2007; Williams, 2023) *Odontophotopsis* (Pitts, 2007), *Invreliella* (Quintero & Cambra, 2011; Waldren *et al.*, 2020), *Sphaerophthalma* (Schuster, 1958; Pitts, 2006), *Acrophotopsis* (Pitts & McGugh, 2002), *Lomachaeta* (Pitts & Manley, 2004; Williams & Pitts, 2007; Williams & Pitts, 2009; Williams *et al.*, 2019), *Lophostigma* (Quintero & Cambra, 1996), *Acanthophotopsis* (Tanner *et al.*, 2009), *Silvorientilla* (Williams *et al.*, 2018) and *Dilophotopsis* (Wilson & Pitts, 2008).

The second source of information came from digitalized databases. The databases consulted were the following:

- ASUHC Arizona State University Hasbrouck Insect Collection
- NMNH National Museum of Natural History, Smithsonian Institution, Washington, D.C.
- BMNH Natural History Museum, London, UK
- FMNH Field Museum of Natural History, Chicago, Illinois, USA
- AMNH American Museum of Natural History, NY, USA
- MCZ Museum of Comparative Zoology, Harvard University, Cambridge, MA
- CAS California Academy of Sciences, San Francisco, CA
- TTU Museum of Texas Tech University, Lubbock, TX
- Faculty of Natural Sciences, UAQ, Querétaro, Mexico and CE-UAEM (mantained at Universidad Autónoma del Estado de Morelos, Mexico)

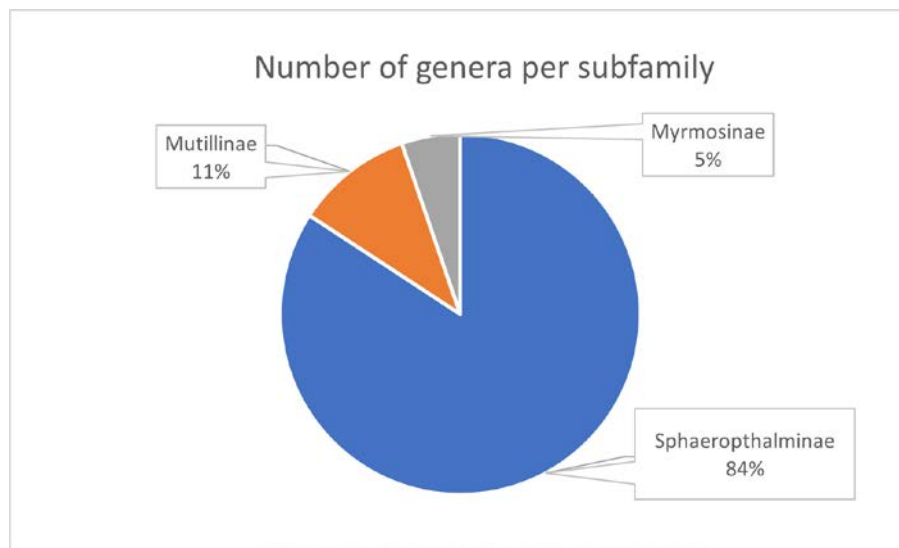
The database available on the web page Ecdysis Portal Home (<https://ecdysis.org/>) was also consulted. This web page contained the information of the following institutions:

- PSUC Frost Entomological Museum, Pennsylvania State University, USA
- NMSU New Mexico State Collection of Arthropods, New Mexico State University, USA
- CSUC Gillette Museum of Arthropod Diversity, Colorado State University, USA
- EFIC University of North Texas Elm Fork Insect Collection, University of North Texas, USA
- DMNS Denver Museum of Nature and Science, Denver, Colorado, USA
- WRME J. B. Wallis / R. E. Roughley Museum of Entomology University of Manitoba, Canada
- MSUC The Albert J. Cook Arthropod Research Collection Michigan State University, USA
- CUAC Clemson University Arthropod Collection Clemson University, USA
- SDNHM San Diego Natural History Museum Entomology, San Diego California, USA
- MNHUT Entomology Collection at the Natural History Museum of Utah, Salt Lake City, USA
- NAAC Northern Arizona University - Arthropod Collection, Northern Arizona University, USA

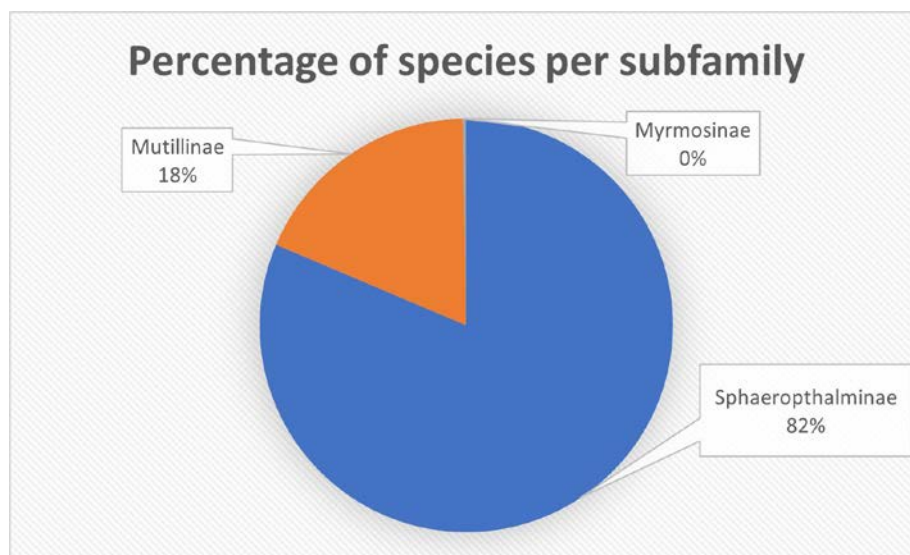
- UAIC University of Arizona Insect Collection, University of Arizona, USA
- DPGNHC Dugway Proving Ground Natural History Collection, Utah, USA
- UCSBIZC University of California Santa Barbara Invertebrate Zoology Collection, University of California Santa Barbara, USA
- ASUHC Arizona State University Hasbrouck Insect Collection, Arizona State University, USA

## RESULTS

A total of 369 species of velvet ants distributed in three subfamilies and 19 genera were registered. The checklist adds 106 new records compared to those obtained in Pagliano *et al.*, (2020), which represents an increase of 40.30% of species richness. The subfamily Sphaerophthalminae was represented with 16 genera and 303 species, the Mutillinae was represented with two genera and 65 species and the Myrmosinae was represented with one genus and one species (Figs. 1–2).

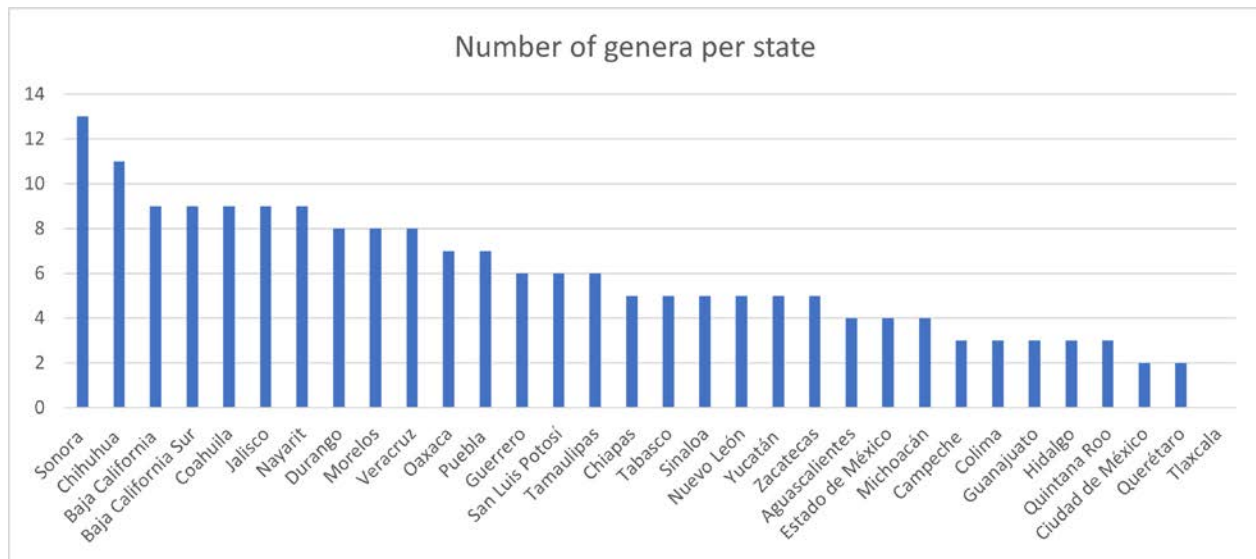


**Figura 1.** Pie diagram showing the percentage of genera per subfamily.

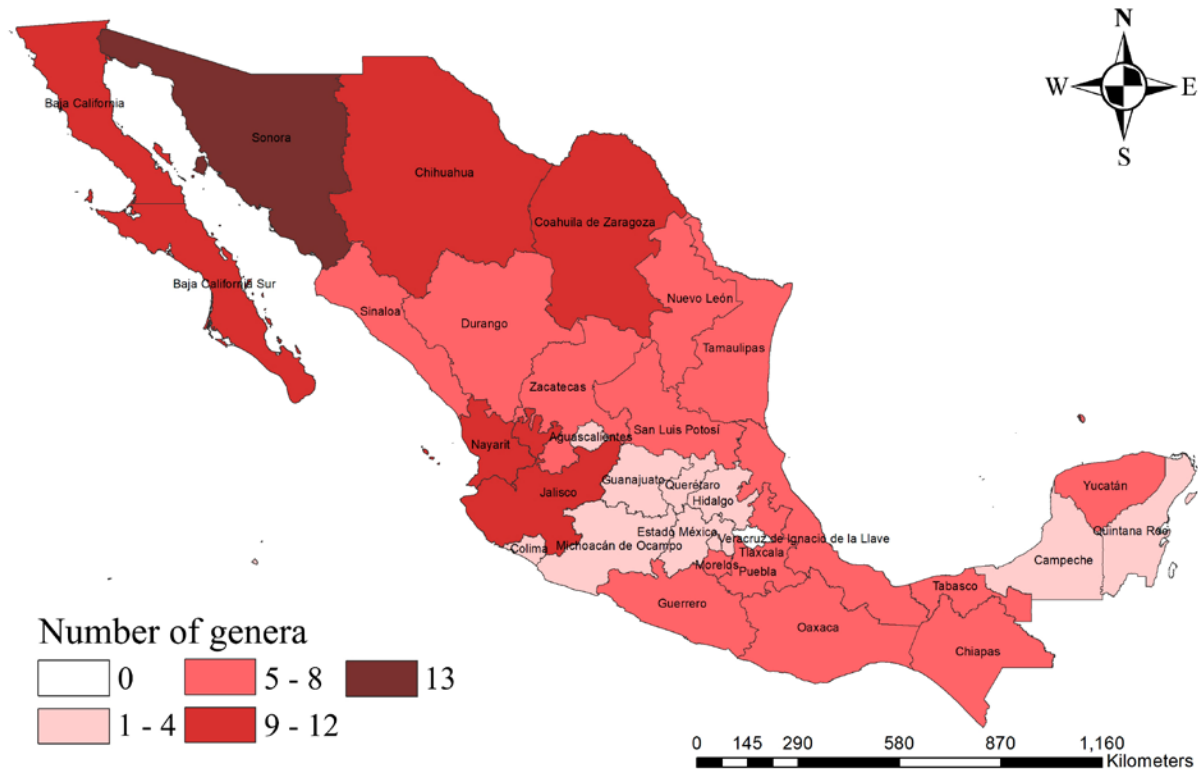


**Figura 2.** Pie diagram showing the percentage of species per subfamily. Note: The subfamily Myrmosinae represents 0.2%.

The number of genera per state was highly biased, with some states much better represented than others. An extreme example is that between Sonora and Tlaxcala with 13 and zero genera respectively as shown in the bar graph (Fig. 3) and the map that shows the number of genera per state in a color gradient (Fig. 4).

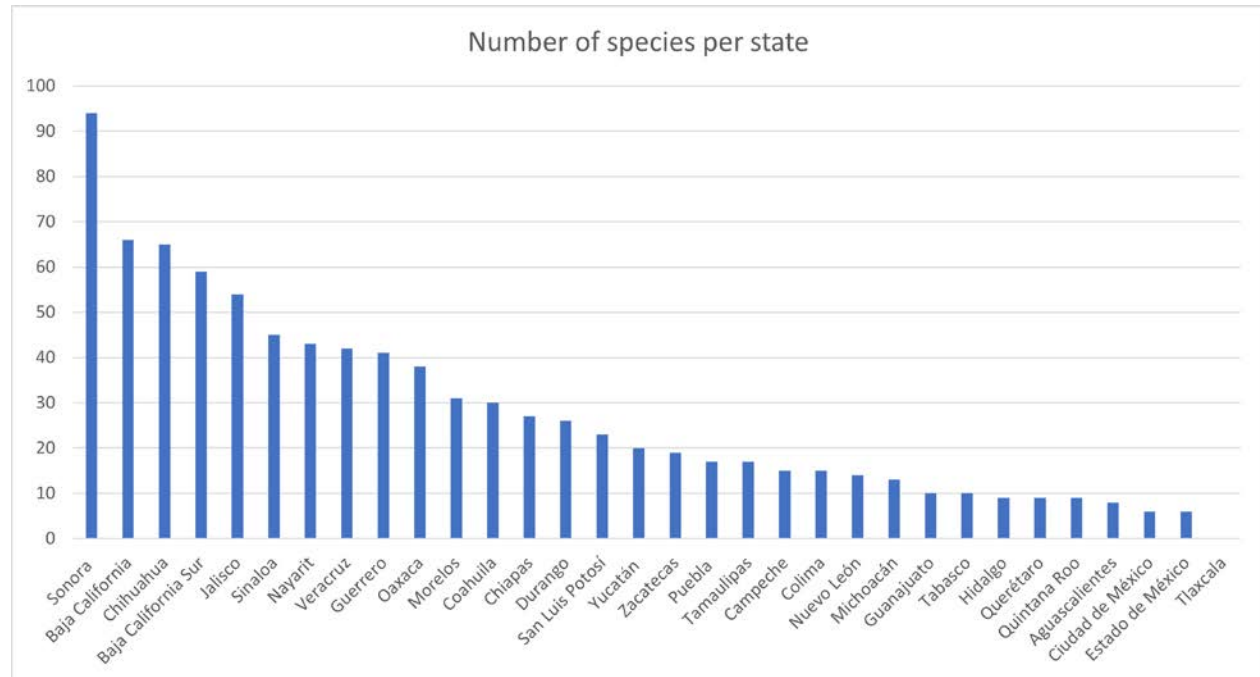


**Figura 3.** Bar graph showing the number of genera per state.

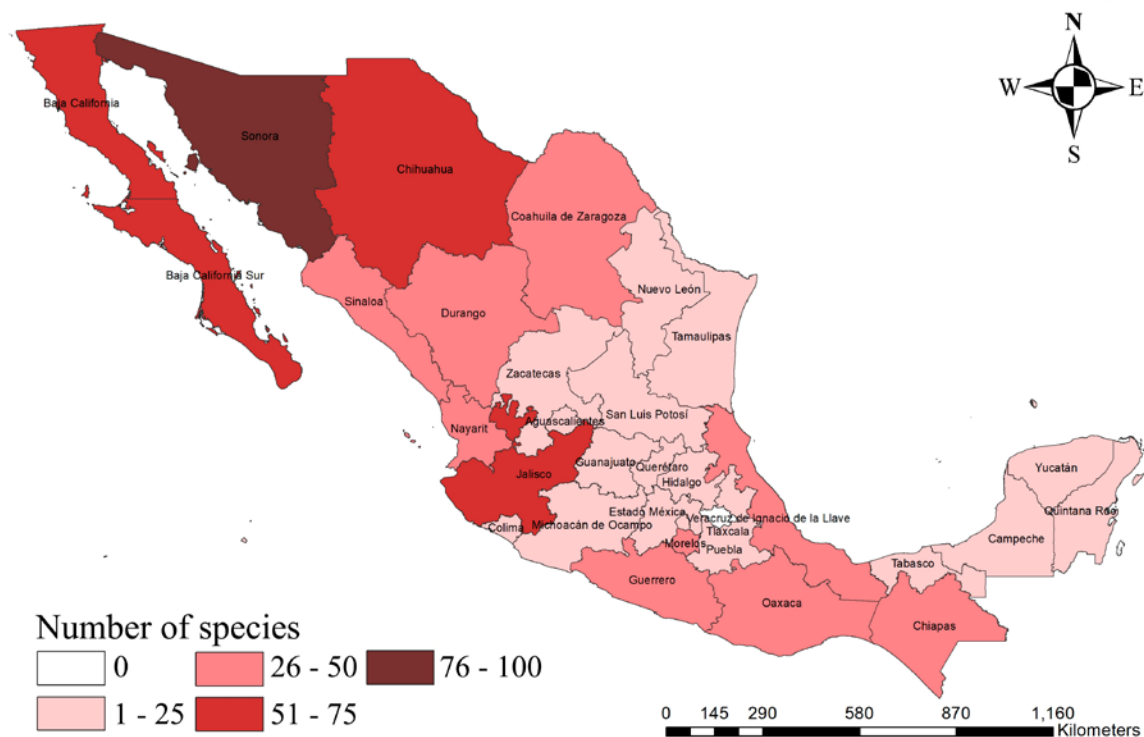


**Figura 4.** Map of Mexico showing the number of genera per state in a color gradient.

The number of species per state was also highly biased. For example, there were 94 species recorded for Sonora while zero species have been recorded for Tlaxcala (Figs. 5–6).

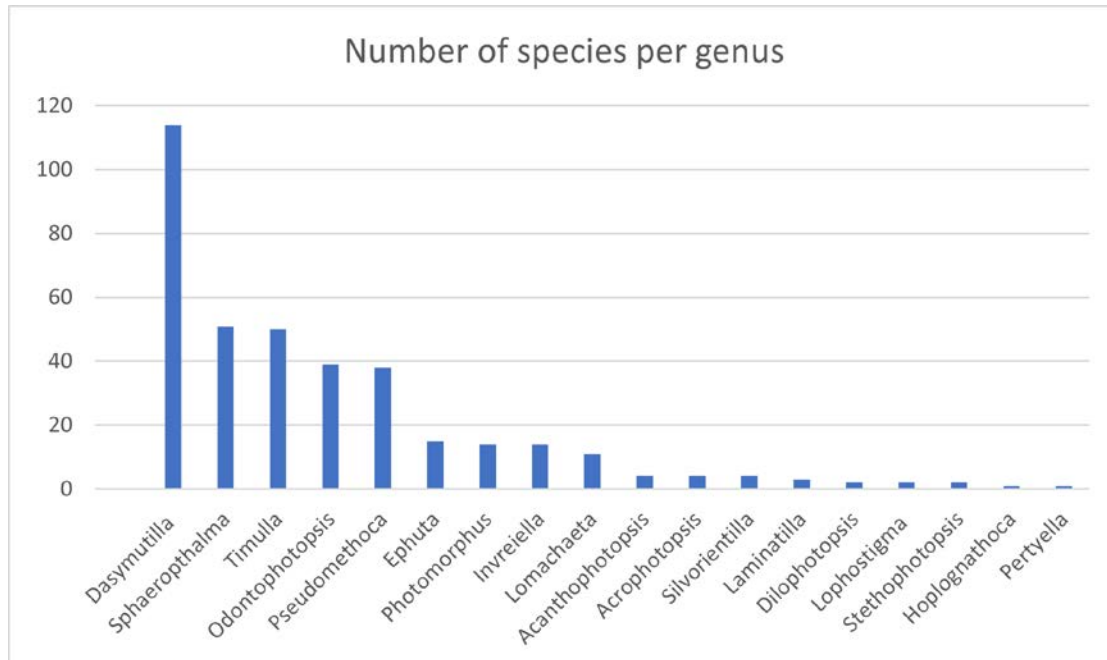


**Figura 5.** Bar graph showing the number of species per state.



**Figura 6.** Map of Mexico showing the number of species per state in a color gradient.

The most species rich genus was *Dasymutilla* with 114 species, while *Myrmosula*, *Hoplognathoca* and *Pertyella* were represented by one species each (Fig. 7).



**Figura 7.** Bar graph showing the number of species per genus.

A total of 41 species are known for Mexico, but with no additional information on the state they occur.

## DISCUSION

Due to its geographical location and the meeting of the Nearctic and Neotropics, Mexico is one of the so-called megadiverse countries, with many different ecosystems and a great diversity of species, making it one of the most biodiverse countries in taxonomic groups such as mammals, reptiles, amphibians and plants (CONABIO, 2008). However, with regard to the data on velvet ants obtained in this paper, this does not appear to be the case. In a study of velvet ants, Menard and Mitchell (2013) recorded 98 species in 10 genera for the state of Oklahoma, USA. This state has a very similar size to the Mexican state of Sonora with 181,037 km<sup>2</sup> and 179,355 km<sup>2</sup> respectively. These authors mention that there is a bias in the collection, as some districts are much better represented than others. They conclude that a greater effort would significantly increase the diversity of ant species in the state. Sonora was the state best represented in terms of number of genera (13) and species (94), which is very similar to Oklahoma. However, many of the species found in Sonora came from the same locality or from localities very close to each other. Some localities that occur frequently in the material studied are, for example, Álamos, Desemboque and Bahía de San Carlos, so, as in Oklahoma, there are still large unexplored regions where there are no collection efforts.

The number of species per genus correlates with other biological groups, i. e. there are some species that are numerically more dominant than others. For example, within the family Cleridae (Coleoptera), the genus *Cymatodera* Gray, 1832 is represented by 118 species in Mexico, while other genera such as *Isoforma* Opitz, 2015 are represented by one species (Araujo-Castillo *et al.*, 2024). However, the geographical distribution of the genera and species of velvet ants found in this work differs considerably from other groups. The ants are better known in the states of Veracruz and Chiapas (Dáttilo *et al.*, 2019), while the beetles are better known in the states of Chiapas, Oaxaca and Veracruz (Araujo-Castillo *et al.*, 2024), in contrast to the velvet ants, which are better represented in the northern states of Mexico such as Sonora, Baja California, and Chihuahua.

Possible explanations for these patterns can be through the so-called “shortfalls” (or lack of knowledge on biodiversity) (Hortal *et al.*, 2015). The most direct are the Linnean and Wallacean shortfalls. For example, lack of knowledge of the number of velvet ant species for Mexico (Linnean) is a consequence of those yet to be collected in remote areas, and those already collected, but in need to be described or treated taxonomically. Pagliano *et al.*, (2020) recognized 265 species of velvet ants for Mexico, however, two of them are now synonyms, reducing the number to 263 species.

The Wallacean shortfall refers to the lack of knowledge on the geographical distribution of species. In general, this shortfall is a consequence of the influence of the capabilities and efforts of scientists, resulting in geographic biases on the distribution of species. In this regard, most of the new discoveries reported in this paper are species whose natural geographic range overlaps between some states of the United States and Mexico. Historically, there have been taxonomists in the United States who have contributed to the knowledge of this group, while Mexico was hardly known, with most of the knowledge of Mexican velvet ants coming from the studies of American taxonomists.

Another shortfall is the Hutchinsonian, which refers to the gaps of knowledge of species’ life histories, functional roles and responses to habitat changes. According to the patterns of velvet ants for Mexico, it is hypothesized that the most diverse genera (*Dasymutilla* and *Sphaerophthalma*), both members of the subfamily Sphaerophthalminae, have recently diversified in the deserts of North America due to cyclical climatic changes in the Pleistocene, producing species that now live in the Chihuahuan or Sonoran Desert (Pitts *et al.*, 2010).

A fulfilling of these gaps will enable a better understanding of the richness of the velvet ants in Mexico. Certainly, an increase in collecting activity focused on local and global inventories and the training of specialized taxonomists will lead to a much better understanding of the taxonomy and other possible studies of the Mexican velvet ants.

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## Appendix A

### Checklist of the velvet ants of Mexico

**Family Mutillidae Latreille, 1802**  
**Subfamily Mutillinae Latreille, 1802**  
**Tribe Mutillini Latreille, 1802**  
**Genus *Ephuta* Say, 1836**

1. *Ephuta catriona* (Cameron, 1894)

*Mutilla catriona* Cameron, 1894

*Mutilla blakei* Cameron, 1894

Distribution: Guerrero

2. *Ephuta cinaloa* (Blake, 1871)

*Mutilla cinaloa* Blake, 1871

*Mutilla sinaloa* Cameron, 1894

Distribution: Morelos, Nayarit

3. *Ephuta copano* (Blake, 1871)

*Mutilla copano* Blake, 1871

*Mutilla susura* Melander, 1903

Distribution: Mexico

4. *Ephuta culta* (Cameron, 1894)

*Mutilla culta* Cameron, 1894

Distribution: Tabasco

5. *Ephuta dioetus* (Cameron, 1896)

*Sphaerophthalma dioetus* Cameron, 1896

Distribution: Mexico

6. *Ephuta ecarinata* Schuster, 1951

Distribution: Mexico

7. *Ephuta herberti* (Cameron, 1894)

*Mutilla herberti*, Cameron, 1894

Distribution: Mexico

8. *Ephuta idiastia* (Cameron, 1894)

*Mutilla idiastia* Cameron, 1894

Distribution: Guerrero, Sonora

9. *Ephuta megaera* (Cameron, 1894)*Mutilla megaera* Cameron, 1894

Distribution: Guerrero

10. *Ephuta pomona* (Cameron, 1894)*Mutilla pomona* Cameron, 1894

Distribution: Guerrero, Yucatán

11. *Ephuta sapiens* (Smith, 1879)*Mutilla sapiens* Smith, 1879*Mutilla astuta* Cameron, 1894

Distribution: Veracruz

12. *Ephuta teapae* (Cameron, 1894)*Mutilla teapae* Cameron, 1894

Distribution: Tabasco

13. *Ephuta tegulica* Bradley, 1916

Distribution: Mexico

14. *Ephuta tolteca* (Blake, 1871)*Mutilla tolteca* Blake, 1871

Distribution: Mexico

15. *Ephuta yucatana* (Blake, 1871)*Mutilla yucatana* Blake, 1871

Distribution: Campeche

**Tribu Trogaspidiini Bischoff, 1920****Genus *Timulla* Ashmead, 1899**16. *Timulla adrastis* Mickel, 1938*Timulla pilatrix* Mickel, 1938

Distribution: Jalisco, Michoacán, Morelos, Nayarit

17. *Timulla aerolla* (Cameron, 1894)*Mutilla aerolla* Cameron, 1894

Distribution: Guerrero

18. *Timulla asperata* Mickel, 1938

Distribution: Guerrero

19. *Timulla collina* Mickel, 1938

Distribution: Coahuila, Colima

20. *Timulla cyllene* (Cameron 1894)

*Mutilla cyllene* Cameron, 1894

Distribution: Guerrero, Jalisco, Morelos, Nayarit, San Luis Potosí, Veracruz

21. *Timulla cyra* (Cameron, 1894)

*Mutilla cyra* Cameron, 1894

*Mutilla vanduara* Cameron, 1894

Distribution: Guerrero, Morelos

22. *Timulla daedala* (Cameron, 1894)

*Mutilla daedala* Cameron, 1894

Distribution: Yucatán

23. *Timulla damalis* Mickel, 1938

Distribution: Veracruz.

24. *Timulla delecta* Mickel, 1938

Distribution: Tabasco, Veracruz

25. *Timulla derelicta* (Smith, 1879)

*Mutilla derelicta* Smith, 1879

Distribution: Mexico

26. *Timulla direpta* Mickel, 1938

Distribution: Durango, Tabasco, Veracruz

27. *Timulla disgrega* Mickel, 1938

Distribution: Veracruz

28. *Timulla divergens* Mickel, 1938

Distribution: Coahuila, Oaxaca

29. ***Timulla diversita* Mickel, 1938**

Distribution: Chiapas

30. ***Timulla dubitata* Mickel, 1938**

*Mutilla dubitata* Smith, 1855

*Mutilla dubiatta* [sic.] Blake, 1886

*Timulla (Timulla) dubitata fugitiva* Mickel, 1937

*Timulla (Timulla) murcia* Mickel, 1938

Distribution: Sonora

31. *Timulla falsa* (Dalla Torre, 1897)  
*Mutilla falsa* Dalla Torre, 1897  
*Mutilla rufofemorata* Cameron, 1894  
Distribution: Guerrero, Morelos
32. *Timulla ferocula* Mickel, 1938  
Distribution: Yucatan
33. *Timulla gaumeri* (Cameron, 1894)  
*Mutilla gaumeri* Cameron, 1894  
Distribution: Veracruz, Yucatán
34. *Timulla grotei* (Blake, 1871)  
*Mutilla grotei* Blake, 1871  
*Mutilla fulviventrtris* Gerstaecker, 1874  
Distribution: Chihuahua, Durango, Jalisco, Zacatecas
35. *Timulla hoegei* (Cameron, 1894)  
*Mutilla hoegei* Cameron, 1894  
Distribution: Veracruz
36. *Timulla impudica* (Cameron, 1894)  
*Mutilla impudica* Cameron, 1894  
Distribution: Guerrero
37. *Timulla incensita* Mickel, 1938  
Distribution: Oaxaca, Veracruz
38. *Timulla interstincta* Mickel, 1938  
Distribution: Mexico
39. *Timulla leona* (Blake, 1871)  
*Mutilla leona* Blake, 1871  
Distribution: Guerrero, Nuevo León, San Luis Potosí, Zacatecas
40. ***Timulla lilea* (Cameron 1894)**  
*Mutilla lilea* Cameron, 1894  
*Mutilla orthona* (Cameron, 1894)  
Distribution: Jalisco
41. *Timulla mexicana* (Cameron, 1894)  
*Mutilla mexicana* Cameron, 1894

*Mutilla amulae* Cameron, 1894

Distribution: Guerrero, Morelos, Oaxaca

42. *Timulla navasota* (Bradley, 1916)

*Mutilla navasota* Bradley, 1916

*Timulla navasota nebulosa* Mickel, 1937

Distribution: Chihuahua, Coahuila, Guanajuato, Nuevo León, Tamaulipas

43. *Timulla neobule* Mickel, 1937

*Timulla nicholi* Mickel, 1937

Distribution: Jalisco, Morelos, Sinaloa

44. *Timulla nitela* Mickel, 1937

Distribution: Nayarit

45. *Timulla oajaca* (Blake, 1871)

*Mutilla oajaca* Blake, 1871

*Mutilla ardens* Gerstaecker, 1874

*Mutilla mazatlanae* Cameron, 1894

*Mutilla nestor* Fox, 1899

*Mutilla ornata* Howard, 1901

Distribution: Chihuahua, Estado de México, Jalisco, Morelos, Nayarit, Sinaloa

46. *Timulla obscurella* Mickel, 1938

Distribution: Guerrero, Veracruz

47. *Timulla operosa* Mickel, 1938

Distribution: Jalisco, Sonora

48. *Timulla ordinaria* (Smith, 1879)

*Mutilla ordinaria* Smith, 1879

Distribution: Chiapas

49. *Timulla osberti* (Cameron, 1894)

*Mutilla osberti* Cameron, 1894

Distribution: Tabasco, Veracruz

50. *Timulla philyra* Mickel, 1938

Distribution: Mexico

51. *Timulla porcata* (Cameron, 1894)

*Mutilla porcata* Cameron, 1894

*Timulla phiala* Mickel, 1938

*Timulla bituberculata* Mickel, 1938

Distribution: Oaxaca

52. *Timulla prema* (Cameron, 1894)

*Mutilla prema* Cameron 1894

Distribution: Coahuila, Guerrero

53. *Timulla prominens* (Cameron, 1894)

*Mutilla prominens* Cameron, 1894

Distribution: Guerrero, Jalisco, Nayarit, Morelos, Oaxaca, San Luis Potosí, Sinaloa, Sonora

54. *Timulla psyra* (Cameron, 1894)

*Mutilla psyra* Cameron, 1894

Distribution: Sinaloa, San Luis Potosí, Yucatán

55. *Timulla rhanis* Mickel, 1938

Distribution: Aguascalientes, Jalisco, Morelos

56. *Timulla ruida* Mickel, 1938

Distribution: Nayarit

57. ***Timulla saundersi* Mickel, 1938**

Distribution: Veracruz

58. *Timulla simplex* Mickel, 1938

Distribution: Chiapas, Jalisco

59. *Timulla subrobusta* (Cameron, 1894)

*Mutilla talus* Cameron, 1894

*Mutilla subrobusta* Cameron, 1894

*Mutilla clutha* Cameron, 1894

Distribution: San Luis Potosí

60. *Timulla suffusa* Mickel, 1938

Distribution: Mexico

61. *Timulla suspensa* (Gerstaecker, 1874)

*Mutilla suspensa* Gerstaecker, 1874

*Timulla suspensa jonesi* Mickel, 1937

*Timulla suspensa sonora* Mickel, 1937

Distribution: Baja California, Chihuahua, Durango, Nuevo León

62. *Timulla taygete* Mickel, 1938

*Timulla aureata* Mickel, 1938

Distribution: Oaxaca, Veracruz, Yucatán

63. *Timulla trifolia* Mickel, 1938

Distribution: Yucatán

64. *Timulla tyro* Mickel, 1937

Distribution: Nayarit

65. *Timulla vagans* (Fabricius, 1798)

*Mutilla vagans* Fabricius, 1798

*Mutilla hexagona* Say, 1836

*Mutilla ornativentris* Cresson, 1865

*Mutilla briaxus* Blake, 1871

*Mutilla canadensis* Provancher, 1887

*Mutilla secunda* Dalla Torre, 1897

Distribution: Mexico

**Subfamilia Sphaerophthalminae Schuster, 1949 (1903)**

**Tribu Dasymutillini Brothers & Lelej, 2017**

**Genus *Dasymutilla* Ashmead, 1899**

66. *Dasymutilla albiceris* Mickel, 1936

Distribution: Baja California

67. *Dasymutilla altamira* (Blake, 1871)

*Mutilla altamira* Blake, 1871

*Sphaerophthalma* [sic.] *laothoe* Cameron, 1895

Distribution: Chiapas, Guerrero, Oaxaca, Jalisco

68. *Dasymutilla Andréniformis* (Smith, 1855)

*Mutilla Andréniformis* Smith, 1855

Distribution: Veracruz

69. *Dasymutilla apicalata* (Blake, 1871)

*Mutilla apicalata* Blake, 1871

*Sphaerophthalma guerreroensis* Cameron, 1895

*Sphaerophthalma* [sic.] *perfidiosa* Cameron, 1895

Distribution: Baja California Sur, Chiapas, Chihuahua, Durango, Guerrero, Jalisco, Michoacán, Nayarit, Oaxaca, San Luis Potosí, Sinaloa, Sonora, Veracruz

70. *Dasymutilla arachnoides* (Smith, 1855)*Mutilla arachnoides* Smith, 1855*Sphaerophthalma* [sic.] *hiera* Cameron, 1895*Sphaerophthalma* [sic.] *ephippiata* Cameron, 1895

Distribution: Campeche, Chiapas, Chihuahua, Colima, Guerrero; Jalisco, Morelos, Nayarit, Oaxaca, Puebla, Querétaro, Quintana Roo, San Luis Potosí, Tamaulipas, Veracruz, Yucatán

71. *Dasymutilla araneoides* (Smith, 1862)*Sphaerophthalma* [sic.] *temaxensis* Cameron, 1895*Sphaerophthalma* [sic.] *anthracia* Cameron, 1895*Sphaerophthalma* [sic.] *melanogaster* Cameron, 1895*Sphaerophthalma* [sic.] *waterhousei* Cameron, 1895*Dasymutilla deyrollesi* Mickel, 1937

Distribution: Campeche, Guerrero, Jalisco, Nayarit, Oaxaca, Sinaloa, Tamaulipas, Quintana Roo, Veracruz, Yucatán

72. ***Dasymutilla arenivaga* Mickel, 1928***Dasymutilla megalophthalma* Mickel, 1928

Distribution: Baja California, Hidalgo, Sonora

73. *Dasymutilla argentea* Manley & Pitts 2007

Distribution: Campeche

74. ***Dasymutilla asteria* Mickel, 1936**

Distribution: Jalisco, Nayarit, Sonora, Sinaloa

75. *Dasymutilla atrata* Manley & Pitts, 2007

Distribution: Campeche

76. ***Dasymutilla atricauda* Mickel, 1936**

Distribution: Baja California, Sonora

77. ***Dasymutilla aureola* (Cresson, 1865)***Mutilla aureola* Cresson, 1865

Distribution: Baja California

78. *Dasymutilla azteca* (Blake, 1871)*Mutilla azteca* Blake, 1871

Distribution: Campeche

79. *Dasymutilla balegyi* Manley & Pitts, 2007

Distribution: Jalisco

80. *Dasymutilla batui* Manley & Pitts, 2007

Distribution: Hidalgo, Nayarit, Oaxaca

81. ***Dasymutilla bioculata* (Cresson, 1865)**

*Mutilla fenestrata* Lepeletier, 1845

*Mutilla bioculata* Cresson, 1865

*Mutilla aegina* Cresson, 1865

*Mutilla bellona* Cresson, 1865

*Mutilla creusa* Cresson, 1865

*Mutilla medea* Cresson, 1865

*Mutilla chiron* Blake, 1872

*Mutilla ursula texana* Cresson, 1875

*Mutilla lepeletieri* Fox, 1899

*Mutilla pyrrhus* Fox, 1899

*Mutilla chlamydata* Melander, 1903

*Dasymutilla vierecki* Rohwer, 1910

*Dasymutilla ferrugata balabetei* Rohwer, 1912

*Dasymutilla georgiana* Rohwer, 1912

*Dasymutilla plesia* Rohwer, 1912

*Dasymutilla balbatei* Rohwer, 1912

*Dasymutilla melanippe* Mickel, 1928

*Dasymutilla lauta* Mickel, 1928

*Dasymutilla praegrands* Mickel, 1928

*Dasymutilla sulcatulla* Mickel, 1928

*Dasymutilla russala* Mickel, 1928

*Dasymutilla conformis* Mickel, 1928

*Dasymutilla bimaculata* Manley & Pitts, 2007

Distribution: Baja California, Chihuahua, Coahuila, Durango, Puebla, San Luis Potosí, Sonora

82. *Dasymutilla boharti*, Manley & Pitts, 2007

Distribution: Sonora

83. *Dasymutilla bonita* Mickel, 1928

*Dasymutilla poliothrix* Mickel, 1928

Distribution: Guerrero, Jalisco, Nayarit, Sinaloa, Sonora

84. *Dasymutilla buenavista* Manley & Pitts, 2007  
Distribution: Campeche
85. ***Dasymutilla californica* (Radoszkowski, 1861)**  
*Mutilla californica* Radoszkowski, 1861  
*Dasymutilla abdita* Mickel, 1928  
Distribution: Baja California, Baja California Sur
86. *Dasymutilla campogrande* Manley & Pitts, 2007  
Distribution: Mexico
87. *Dasymutilla canina* (Smith, 1855)  
*Mutilla canina* Smith, 1855  
*Mutilla sumichrasti* Saussure, 1867  
*Sphaerophthalma* [sic.] *philina* Cameron, 1895  
*Mutilla transmarina* Dalla Torre, 1897  
*Mutilla variicolor* André, 1898  
Distribution: Chiapas, Guerrero, Jalisco, Morelos, Sinaloa, Oaxaca, Puebla
88. *Dasymutilla cardinalis* Mickel, 1937  
Distribution: Oaxaca, Veracruz
89. *Dasymutilla chilcotti* Manley & Pitts, 2007  
Distribution: San Luis Potosí
90. *Dasymutilla chionothrix* Manley & Pitts, 2007  
*Dasymutilla truxali* Manley & Pitts, 2007  
Distribution: Morelos, Sonora
91. *Dasymutilla cirrhomeris* Manley & Pitts, 2007  
Distribution: Sinaloa
92. ***Dasymutilla clytemnestra* (Fox, 1899)**  
*Mutilla clytemenstra* Fox, 1899  
Distribution: Baja California
93. ***Dasymutilla coccineohirta* (Blake, 1871)**  
*Mutilla coccineohirta* Blake, 1871  
*Mutilla ochracea* Blake, 1879  
*Sphaerophthalma* [sic.] *venifica* Blake, 1886  
*Mutilla progne* Fox, 1899

*Dasymutilla aletina* Cockerell, 1915

Distribution: Baja California

94. *Dasymutilla combusta* (Smith, 1855)

*Mutilla combusta* Smith, 1855

Distribution: Hidalgo, Jalisco, San Luis Potosí, Veracruz

95. *Dasymutilla connectens* (Cameron, 1895)

*Sphaerophthalma* [sic.] *connectens* Cameron, 1895

*Dasymutilla helva* Mickel, 1928

*Dasymutilla ocydrome* Mickel, 1928

Distribution: Baja California, Baja California Sur, Chihuahua, Jalisco, Sinaloa, Sonora

96. *Dasymutilla cressoni* (Blake, 1870)

*Mutilla cressoni* Blake, 1870

Distribution: Chiapas, Chihuahua, Colima Guerrero, Jalisco, Morelos, Michoacán, Nayarit, Oaxaca, Puebla, Sinaloa, Veracruz

97. ***Dasymutilla dammersi* Mickel, 1936**

Distribution: Baja California Sur

98. *Dasymutilla eminentia* Mickel, 1928

Distribution: Baja California Sur, San Luis Potosí, Sinaloa, Sonora

99. *Dasymutilla erythrina* (Say, 1836)

*Mutilla erythrina* Say, 1836

*Dasymutilla fulgida* Mickel, 1928

*Dasymutilla pallida* Mickel, 1928

Distribution: Aguascalientes, Chiapas, Chihuahua, Ciudad de Mexico. Colima, Durango, Guanajuato, Guerrero, Jalisco, Michoacán, Morelos, Nayarit, Nuevo León, Oaxaca, Puebla, Querétaro, Sinaloa, Sonora, Veracruz, Yucatán

100. ***Dasymutilla eurynome* Mickel, 1928**

Distribution: Nayarit

101. ***Dasymutilla fasciventris* Mickel, 1938**

*Dasymutilla chamela* Manley & Pitts, 2007

*Dasymutilla citromaculosa* Manley & Pitts, 2007

Distribution: Jalisco, Morelos, Michoacán, Nayarit, Sinaloa, Puebla, Sonora

102. ***Dasymutilla fasciventroides* Manley et al. 2020**

Distribution: Jalisco, Nayarit, Sinaloa, Sonora

103. *Dasymutilla ferruginea* (Smith, 1879)*Mutilla ferruginea* (Smith, 1879)*Dasymutilla chrysocoma* Mickel, 1928

Distribution: Chihuahua, Colima, Guerrero, Jalisco, Michoacán, Nayarit, Oaxaca, Sinaloa

104. *Dasymutilla fimbriata* Manley & Pitts, 2007

Distribution: Guerrero, Michoacán

105. ***Dasymutilla flammifera* Mickel, 1928**

Distribution: Baja California

106. *Dasymutilla formicalia* Rohwer, 1912

Distribution: Ciudad de Mexico, Hidalgo, Jalisco, Morelos, Sinaloa

107. *Dasymutilla formosa* (Blake, 1871)*Mutilla formosa* Blake, 1871*Mutilla batopilas* Blake, 1871*Mutilla batophila* Dalla Torre, 1897*Sphaerophthalma batopilas* Cameron, 1895

Distribution: Aguascalientes, Chiapas, Guanajuato, Jalisco, Michoacán, Nayarit, Oaxaca, Querétaro, Sinaloa, Sonora, Veracruz, Yucatán

108. *Dasymutilla foxi* (Cockerell, 1894)*Mutilla foxi* Cockerell, 1894*Mutilla phoenix* Fox, 1899*Spaherophthalma* [sic.] *heterochroa* Cockerell & Casad, 1894*Spaherophthalma* [sic.] *dugesii* Cockerell & Casad, 1894*Spaherophthalma* [sic.] *foxi* Cockerell, 1894

Distribution: Aguascalientes, Baja California, Baja California Sur, Coahuila, Chihuahua, Guerrero, Guanajuato, Jalisco, Michoacán, Nayarit, Nuevo León, San Luis Potosí, Sonora, Sinaloa, Tamaulipas, Zacatecas

109. *Dasymutilla gloriosa* (Saussure, 1867)*Mutilla gloriosa* (Saussure, 1867)*Dasymutilla reperticia* Mickel, 1928*Dasymutilla chisos* Mickel, 1928

Distribution: Baja California, Baja California Sur, Chihuahua, Coahuila, Durango, Guanajuato, Nayarit, Nuevo León, San Luis Potosí, Sinaloa, Sonora

110. ***Dasymutilla gorgon* (Blake, 1871)**

*Mutilla gorgon* Blake, 1871

Distribution: Mexico

111. *Dasymutilla griswoldi* Manley & Pitts, 2007

Distribution: Chihuahua, Jalisco

112. ***Dasymutilla holotricha* (Saussure, 1867)**

*Mutilla holotricha* Saussure, 1867

Distribution: Morelos, Nayarit, Oaxaca

113. *Dasymutilla imperialis* Manley & Pitts, 2007

Distribution: Baja California Sur

114. *Dasymutilla impressa* Manley & Pitts, 2007

Distribution: Jalisco, Michoacán, Nayarit, Sinaloa, Sonora

115. *Dasymutilla iztapa* (Blake, 1871)

*Mutilla iztapa* (Blake, 1871)

*Sphaerophthalma* [sic.] *rodriguezi* Cameron, 1895

Distribution: Campeche, Chiapas, Guerrero, Jalisco, Oaxaca, San Luis Potosí, Sinaloa, Veracruz

116. *Dasymutilla jalisco* Manley, 2003

Distribution: Chiapas, Guerrero, Jalisco, Morelos

117. *Dasymutilla klugii* (Gray, 1832)

*Mutilla klugii* Gray, 1832

*Mutilla orcus* Cresson, 1865

*Sphaerophthalma* [sic.] *klugi* Cameron, 1895

Distribution: Ciudad de Mexico, Chihuahua, Coahuila, Durango, Guanajuato, Hidalgo, Jalisco, Nuevo León, Puebla, Querétaro, Sonora, San Luis Potosí, Tamaulipas

118. *Dasymutilla lachesis* Mickel, 1966

Distribution: Baja California, Baja California Sur, Veracruz

119. *Dasymutilla latebalteata* (Cameron, 1897)

*Sphaerophthalma* [sic.] *latebalteata* Cameron, 1897

*Dasymutilla veracruz* Manley & Pitts, 2007

Distribution: Veracruz

120. *Dasymutilla leve* Manley & Pitts, 2007

Distribution: Sinaloa

121. *Dasymutilla loreto* Manley & Pitts, 2007

Distribution: Baja California Sur

122. *Dasymutilla magna* (Cresson, 1865)

*Mutilla magna* (Cresson, 1865)

Distribution: Baja California, Baja California Sur, Sonora, Sinaloa, San Luis Potosí, Tamaulipas

123. *Dasymutilla magnifica* Mickel, 1928

Distribution: Baja California, Campeche, Chiapas, Chihuahua, San Luis Potosí, Sinaloa, Sonora, Veracruz

124. *Dasymutilla mazatlanorum* Manley & Pitts, 2007

Distribution: Sinaloa, Sonora

125. *Dasymutilla melanargyrea* (André, 1898)

*Mutilla melanargyrea* André, 1898

Distribution: Morelos, Oaxaca, Puebla

126. *Dasymutilla modgudi* Manley & Pitts, 2007

Distribution: Guerrero

127. ***Dasymutilla monticola* (Cresson, 1865)**

*Mutilla caneo* Blake, 1879

*Mutilla mixtura* Blake, 1879

*Mutilla myrrha* Fox, 1899

*Mutilla monticola* Cresson, 1865

*Mutilla eximia* Blake, 1886

*Ephuta boulderensis* Rohwer, 1909

Distribution: Tamaulipas

128. *Dasymutilla monstrosa* Manley & Pitts, 2007

Distribution: Chihuahua, Chiapas, Colima, Jalisco, Nayarit, Sinaloa, Sonora, Querétaro, Zacatecas

129. *Dasymutilla munifica* (Smith, 1879)

*Mutilla munifica* Smith, 1879

Distribution: Chiapas, San Luis Potosí, Veracruz, Yucatán

130. ***Dasymutilla myrice* Mickel, 1928**

Distribution: Chihuahua

131. ***Dasymutilla naranjo* Manley & Pitts, 2007**

Distribution: Veracruz

132. *Dasymutilla niphopilis* Manley & Pitts, 2007  
Distribution: Baja California Sur, Chiapas, Hidalgo, Querétaro, Sonora
133. *Dasymutilla nocticar* Manley & Pitts, 2007  
*Dasymutilla concordia* Manley & Pitts, 2007  
Distribution: Chihuahua, Nayarit, Sinaloa, Sonora, Zacatecas
134. ***Dasymutilla nocturna* Mickel, 1928**  
*Dasymutilla subhyalina* Mickel, 1928  
*Dasymutilla paranocturna* Barr & Hurd, 1947  
Distribution: Sonora
135. ***Dasymutilla nogalensis* Mickel, 1928**  
Distribution: Chihuahua, Coahuila, Sinaloa, Sonora
136. ***Dasymutilla ocydrome* Mickel, 1928**  
Distribution: Baja California Sur, Nayarit
137. *Dasymutilla ocyrae* (Cameron, 1895)  
*Sphaerophthalma* [sic.] *ocyrae* Cameron, 1895  
*Dasymutilla gaumeri* Mickel, 1937  
Distribution: Campeche, Chiapas, Yucatán
138. *Dasymutilla pallene* (Cameron, 1895)  
*Sphaerophthalma* [sic.] *pallene* Cameron, 1895  
Distribution: Durango, Sinaloa, Sonora
139. ***Dasymutilla paradoxa* (Gerstaecker, 1874)**  
*Mutilla paradoxa* Gerstaecker, 1874  
*Dasymutilla guanacaste* Manley & Pitts, 2007  
*Sphaerophthalma icaris* (Cameron, 1895)  
Distribution: Veracruz
140. *Dasymutilla paraparadoxa* Luz, Bartholomay & Williams, 2016  
Distribution: Quintana Roo
141. *Dasymutilla parkerorum* Manley & Pitts, 2007  
Distribution: Campeche, Quintana Roo, Yucatán
142. *Dasymutilla personata* (Cameron, 1895)  
*Spaherophthalma* [sic.] *personata* Cameron, 1895  
*Mutilla sumichrasti* Saussure, 1867

Distribution: Jalisco, Morelos, Nayarit, Oaxaca, Sinaloa

143. ***Dasymutilla perilla* Mickel, 1928**

Distribution: Coahuila, Nuevo León, Tamaulipas

144. ***Dasymutilla phaon* (Fox, 1899)**

*Mutilla phaon* Fox, 1899

Distribution: Baja California, Chihuahua, Sinaloa

145. ***Dasymutilla phya* (Cameron, 1895)**

*Sphaerophthalma* [sic.] *phy*a Cameron, 1895

*Sphaerophthalma* [sic.] *melissa* Cameron, 1895

*Sphaerophthalma* [sic.] *sleipniri* Manley & Pitts, 2007

Distribution: Quintana Roo

146. *Dasymutilla proclea* (Cameron, 1895)

*Sphaerophthalma* [sic.] *proclea* Cameron, 1895

*Sphaerophthalma* [sic.] *cobira* Cameron, 1895

Distribution: Campeche, Yucatán

147. ***Dasymutilla pseudopappus* (Cockerell, 1895)**

*Sphaerophthalma pseudopappus* Cockerell, 1895

Distribution: Baja California, Baja California Sur, Sinaloa, Sonora, Zacatecas

148. *Dasymutilla pulchra* (Smith, 1855)

*Mutilla pulchra* Smith, 1855

*Mutilla nortoni* Blake, 1870

*Mutilla ducalis* Smith, 1879

*Sphaerophthalma* [sic.] *chiron* Cameron, 1897

Distribution: Baja California, Campeche, Chiapas, Colima, Chihuahua, Estado de México, Guerrero, Jalisco, Morelos, Nayarit, Oaxaca, Querétaro, Quintana Roo, Sonora, Sinaloa, Tabasco, Veracruz, Yucatán

149. *Dasymutilla relata* (Cameron, 1895)

*Sphaerophthalma* [sic.] *realta* Cameron, 1895

Distribution: Yucatán

150. *Dasymutilla rufipilis* Manley & Pitts, 2007

Distribution: Puebla

151. *Dasymutilla rutiliventris* (André, 1898)

*Mutilla rutiliventris* André, 1898

Distribution: Jalisco, Sonora

152. *Dasymutilla sackenii* (Cresson, 1865)

*Mutilla sackenii* Cresson, 1865

*Mutilla erudita* Cresson, 1875

Distribution: Baja California, Baja California Sur, Sonora

153. ***Dasymutilla saetigera* Mickel, 1928**

*Dasymutilla polia* Mickel, 1928

Distribution: Sinaloa, Sonora

154. *Dasymutilla satanas* Mickel, 1928

*Dasymutilla mimula* Mickel, 1928

Distribution: Baja California, Baja California Sur, Nuevo León, Sonora

155. *Dasymutilla scaber* (Fox, 1894)

*Sphaerophthalma* [sic.] *scaber* Fox, 1894

Distribution: Baja California Sur

156. *Dasymutilla schumanni* (Cameron, 1895)

*Sphaerophthalma* [sic.] *schumanni* Cameron, 1895

Distribution: Nayarit

157. ***Dasymutilla serenitas* Mickel, 1928**

Distribution: Coahuila

158. *Dasymutilla sicheliana* (Saussure, 1867)

*Mutilla sicheliana* Saussure, 1868

*Sphaerophthalma* [sic.] *prunotincta* Cockerell, 1895

*Sphaerophthalma* [sic.] *thera* Cameron, 1895

*Sphaerophthalma* [sic.] *thalia* Cameron, 1895

*Mutilla gynaecologica* Dalla Torre, 1897

*Dasymutilla intermixta* Mickel, 1928

Distribution: Aguascalientes, Chihuahua, Colima, Durango, Guerrero, Jalisco, Michoacán, Morelos, Nayarit, Oaxaca, Puebla, Sinaloa, Sonora, Veracruz, Zacatecas

159. *Dasymutilla sinaloa* Manley & Pitts, 2007

Distribution: Baja California Sur, Sinaloa

160. ***Dasymutilla snowrum* (Cockerell, 1897)**

*Sphaerophthalma* [sic.] *snowrum* Cockerell, 1897

*Mutilla poecilonota* Melander, 1903

Distribution: Chihuahua, Coahuila

161. ***Dasymutilla sophrona* Mickel, 1928**

Distribution: Morelos, San Luis Potosí, Sinaloa, Sonora

162. *Dasymutilla spilota* Manley & Pitts, 2007

*Dasymutilla ionothorax* Manley & Pitts, 2007

Distribution: Colima, Nayarit

163. ***Dasymutilla stevensi* Mickel, 1928**

*Dasymutilla medora* Mickel, 1928

Distribution: Chihuahua, Coahuila, Guanajuato, Sinaloa

164. *Dasymutilla terminata* (Smith, 1879)

*Mutilla terminata* Smith, 1879

*Mutilla sumichrasti* Saussure, 1867

Distribution: Oaxaca, Zacatecas

165. *Dasymutilla toluca* (Blake, 1871)

*Mutilla (Sphaerophthalma) toluca* Blake, 1871

*Mutilla (Sphaerophthalma) ariadne* Blake, 1871

*Mutilla (Sphaerophthalma) solola* Blake, 1871

*Sphaerophthalma* [sic.] *postica* Cameron, 1897

Distribution: Chiapas, Colima, Nayarit, Jalisco, Veracruz, Guerrero, Campeche, Oaxaca

166. *Dasymutilla tomasi* Manley & Pitts, 2007

Distribution: Baja California Sur

167. *Dasymutilla tomberlini* Manley, 1999

Distribution: Sonora

168. *Dasymutilla twegeni* Manley & Pitts, 2007

Distribution: Quintana Roo, Yucatán

169. *Dasymutilla ulkei* (Cresson, 1865)

*Mutilla ulkei* Cresson, 1865

Distribution: Baja California Sur

170. ***Dasymutilla vesta* (Cresson, 1865)**

*Mutilla vesta* Cresson, 1865

*Scolia uncinata* Provancher, 1882

*Mutilla monozona* Dalla Torre, 1897

*Mutilla sappho* Fox, 1899

*Mutilla agenor* Fox, 1899

*Mutilla zella* Rohwer, 1910

*Pycnomutilla harmoniiformis* Rohwer, 1912

*Dasymutilla errans* Rohwer, 1912

*Dasymutilla bosquensis* Rohwer, 1912

*Dasymutilla ferrugatella* Rohwer, 1912

*Dasymutilla coloradella* Rohwer, 1912

*Dasymutilla coloradella virginica* Rohwer, 1912

*Dasymutilla coloradella kamloopsensis* Rohwer, 1912

*Dasymutilla texensis* Rohwer, 1912

*Dasymutilla mesillae* Rohwer, 1912

*Dasymutilla carolina* Rohwer, 1912

*Dasymutilla columbiana* Mickel, 1928

Distribution: Chihuahua, Tamaulipas

171. *Dasymutilla vestita* (Lepeletier, 1845)

*Mutilla vestita* Lepeletier, 1845

*Mutilla montezumae* Lepeletier, 1845

*Mutilla fulvohirta* Cresson, 1865

*Sphaerophthalma* [sic.] *townsendi* Cockerell, 1894

*Sphaerophthalma* [sic.] *aspasia* Cameron, 1895

*Mutilla aspasioides* Dalla Torre, 1897

*Ephuta californica* var. *euchroa* Cockerell, 1897

*Dasymutilla vandala* Mickel, 1928

*Dasymutilla cotulla* Mickel, 1928

Distribution: Aguascalientes, Chihuahua, Ciudad de Mexico, Coahuila, Colima, Durango, Hidalgo, Jalisco, Nuevo León, Oaxaca, Querétaro, San Luis Potosí, Sonora, Tamaulipas, Zacatecas

172. *Dasymutilla vulpina* (Smith, 1879)

*Mutilla vulpina* Smith, 1879 Oaxaca

Distribution: Ciudad de Mexico, Colima, Durango, Estado de Mexico, Guerrero, Jalisco, Morelos, Nayarit, Sinaloa, Oaxaca, Puebla

173. ***Dasymutilla waco* (Blake, 1871)**

*Mutilla (Sphaerophthalma) waco* Blake, 1871

Distribution: Coahuila, Nuevo León, San Luis Potosí

174. *Dasymutilla wasbaueri* Manley & Pitts, 2007

Distribution: Guerrero, Jalisco, Nayarit, Nuevo León, Oaxaca, San Luis Potosí, Tamaulipas, Veracruz

175. *Dasymutilla whartoni* Manley & Pitts, 2007

Distribution: Guerrero

176. *Dasymutilla xalisco* (Blake, 1871)

*Mutilla (Sphaerophthalma) xalisco* Blake, 1871

Distribution: Colima, Jalisco, Nayarit, Oaxaca

177. *Dasymutilla yucatana* (Cameron, 1895)

*Sphaerophthalma* [sic.] *yucatana* Cameron, 1895

*Mutilla yucatanicola* Dalla Torre, 1897

Distribution: Yucatán

178. ***Dasymutilla zelaya* (Blake, 1871)**

*Mutilla (Sphaerophthalma) zelaya* Blake, 1871

Distribution: Chihuahua, Coahuila, Durango

179. *Dasymutilla zoster* Manley & Pitts, 2007

Distribution: Chiapas, Oaxaca

**Genus *Lomachaeta* Mickel, 1936**180. *Lomachaeta chionothrix* Pitts & Manley, 2004

Distribution: Jalisco, Nayarit

181. *Lomachaeta cirrhomeris* Pitts & Manley, 2004

Distribution: Baja California, Sonora

182. *Lomachaeta crocopinna* Pitts & Manley, 2004

Distribution: Sonora

183. *Lomachaeta eironeia* Williams, 2019

Distribution: Sonora

184. *Lomachaeta hedera* Williams & Pitts, 2009

Distribution: Baja California Sur

185. *Lomachaeta hicksi* Mickel, 1936

*Lomachaeta hicksi* Mickel, 1936

*Lomachaeta coloradensis* Mickel, 1936

*Lomachaeta punctinota* Mickel, 1936

*Lomachaeta minutula* Mickel, 1936

*Lomachaeta variegata* Mickel, 1940

*Lomachaeta formosula* Mickel, 1940

*Dasymutilla mickeli* Manley & Deyrup, 1987

Distribution: Coahuila

186. *Lomachaeta litosisyra* Williams & Pitts, 2009

Distribution: Sonora

187. *Lomachaeta polemomechana* Williams & Pitts, 2009

Distribution: Sonora

188. *Lomachaeta ptilohyalus* Pitts & Manley, 2004

Distribution: Oaxaca

189. *Lomachaeta theresa* Williams & Pitts, 2009

Distribution: Sonora

190. *Lomachaeta vacamuerta* Williams & Pitts, 2009

Distribution: Sonora

**Tribu Pseudomethocini Brothers, 1975**

**Genus *Hoplognathoca* Suárez, 1962**

191. *Hoplognathoca robinsoni* (Blake, 1871)

*Mutilla robinsonii* Blake, 1871

*Mutilla croesus* Blake, 1871

*Sphaerophthalma* [sic.] *respublicana* Cameron, 1894

Distribution: Veracruz

**Genus *Invreiella* Suárez, 1966**

192. ***Invreiella acuminata* Waldren, 2020**

Distribution: Mexico

193. ***Invreiella australis* Waldren, 2020**

Distribution: Chiapas, Oaxaca

194. ***Invreiella bimaculata* Waldren, 2020**

Distribution: Sinaloa

195. ***Invreiella breviclypeata* Waldren, 2020**

Distribution: Sinaloa

196. *Invrearella cardinalis* (Gerstaecker, 1874)

*Mutilla cardinalis* Gerstaecker, 1874

*Sphaerophthalma* [sic.] *jocularis* Cameron, 1894

*Sphaerophthalma* [sic.] *megacantha* Cockerell & Casad, 1894

*Invrearella curoei* Quintero & Cambra, 2011

Distribution: Veracruz, Durango, Estado de Mexico. Guanajuato, Guerrero, Jalisco, Morelos, Oaxaca, Puebla, Zacatecas

197. ***Invrearella cephalargia* (Mickel, 1924)**

*Pseudomethoca cephalargia* Mickel, 1924

Distribution: Chihuahua

198. ***Invrearella cuernavaca* Waldren, 2020**

Distribution: Morelos

199. ***Invrearella chihuahuensis* Waldren, 2020**

Distribution: Chihuahua, Durango

200. ***Invrearella erythrocephala* Waldren, 2020**

Distribution: Morelos

201. ***Invrearella manleyi* Waldren, 2020**

Distribution: Chihuahua

202. ***Invrearella mesomexicana* Waldren, 2020**

Distribution: Guanajuato, Jalisco, Nayarit, Zacatecas

203. *Invrearella satrapa* (Gerstaecker, 1874)

*Mutilla satrapa* Gerstaecker, 1874

*Mutilla macrocephala* Smith, 1879

Distribution: Coahuila, Durango, Estado de Mexico, Guanajuato, Hidalgo, Ciudad de Mexico, Michoacán, San Luis Potosí, Querétaro, Veracruz, Zacatecas

204. ***Invrearella suarezi* Waldren, 2020**

Distribution: Guerrero

205. ***Invrearella tequila* Waldren, 2020**

Distribution: Jalisco, Morelos

**Genus *Lophostigma* Mickel, 1952**

206. *Lophostigma grisselli* Cambra & Quintero, 1996

Distribution: Yucatán

207. *Lophostigma subgracilis* (Cameron, 1895)

*Sphaerophthalma* [sic.] *subgracilis* Cameron, 1895

Distribution: Tabasco

**Genus *Pertyella* Mickel, 1952**

208. *Pertyella salutatrix* (Smith, 1879)

*Mutilla salutatrix* Smith, 1879

Distribution: Veracruz

**Genus *Pseudomethoca* Ashmead, 1896**

209. ***Pseudomethoca ajattara* Williams & Pitts, 2008**

Distribution: Estado de Mexico

210. ***Pseudomethoca anthracina* (Fox, 1892)**

*Sphaerophthalma* [sic.] *anthracina* Fox, 1892

*Mutilla anthracicolor* Dalla Torre, 1897

*Mutilla harpalyce* Fox, 1899

Distribution: Chihuahua, Durango

211. ***Pseudomethoca athamas* (Fox, 1899)**

*Mutilla athamas* Fox, 1899

Distribution: Baja California Sur

212. *Pseudomethoca auripes* Blake, 1871

Distribution: Mexico

213. ***Pseudomethoca bequaerti* Mickel, 1924**

Distribution: Chihuahua, Sonora

214. *Pseudomethoca bisignata* (Blake, 1871)

*Mutilla bisignata* Blake, 1871

Distribution: Mexico

215. ***Pseudomethoca brazoria* (Blake, 1871)**

*Mutilla brazoria*, Blake, 1871

Distribution: Coahuila

216. *Pseudomethoca chiapa* (Blake, 1871)

*Mutilla chiapa* Blake, 1871

Distribution: Mexico

217. ***Pseudomethoca chontalensis* (Cameron, 1895)**

*Sphaerophthalma* [sic.] *chontalensis* Cameron, 1895

*Sphaerophthalma* [sic.] *cephalica* Cameron, 1895

*Mutilla guatemalensis* Dalla Torre, 1897

Distribution: Veracruz

218. *Pseudomethoca connectens* (Cresson, 1865)

*Mutilla conncetens* Cresson, 1865

*Mutilla eggeri* Dalla Torre, 1897

*Pseudomethoca helva* Mickel, 1928

*Sphaerophthalma* [sic.] *connectens* Cresson, 1865

Distribution: Baja California, Baja California Sur, San Luis Potosí

219. *Pseudomethoca contumax* (Cresson, 1865)

*Mutilla contumax* Cresson, 1865

*Mutilla micrphthalma* Gerstaecker, 1874

Distribution: Aguascalientes, Coahuila, Nuevo León

220. ***Pseudomethoca contumeliosa* Mickel, 1935**

Distribution: Baja California Sur

221. *Pseudomethoca damia* (Cameron, 1894)

*Sphaerophthalma* [sic.] *damia* Cameron, 1894

Distribution: Guerrero

222. ***Pseudomethoca donaeanae* (Cockerell, 1897)**

*Sphaerophthalma donaeanae* Cockerell, 1897

Distribution: Baja California

223. *Pseudomethoca gila* (Blake, 1871)

*Mutilla gila* Blake, 1871

*Mutilla ilione* Fox, 1899

*Mutilla aprica* Melander, 1903

Distribution: Mexico

224. *Pseudomethoca gothica* (Blake, 1871)

*Mutilla gothica* Blake, 1871

Distribution: Mexico

225. *Pseudomethoca intrepida* (Cameron, 1895)

*Sphaerophthalma* [sic.] *intrepida* Cameron, 1895

Distribution: Tabasco

226. *Pseudomethoca izucar* (Blake, 1871)

*Mutilla izucar* Blake, 1871

Distribution: Mexico

227. *Pseudomethoca laticeps* (Blake, 1871)

*Mutilla laticeps* Blake, 1871

Distribution: Mexico

228. *Pseudomethoca leoporina* (Gerstaecker, 1874)

*Mutilla leoporina* Gerstaecker, 1874

Distribution: Mexico

229. *Pseudomethoca lerma* (Blake, 1871)

*Mutilla leoporina* Gerstaecker, 1874

Distribution: Mexico

230. *Pseudomethoca minutissima* (Blake, 1871)

*Mutilla minutissima* Blake, 1871

Distribution: Mexico

231. ***Pseudomethoca mulaiki* Mickel, 1938**

Distribution: Tamaulipas

232. ***Pseudomethoca nephele* (Fox, 1899)**

*Mutilla nephele* Fox, 1899

Distribution: Colima

233. *Pseudomethoca petricola* (Blake, 1871)

*Mutilla petricola* Blake, 1871

Distribution: Puebla

234. ***Pseudomethoca phedyma* (Cameron, 1894)**

*Sphaerophthalma* [sic.] *phedyma* Cameron, 1894

Distribution: Chiapas

235. ***Pseudomethoca praeclara* (Blake, 1886)**

*Sphaerophthalma* [sic.] *praeclara* Blake, 1886

*Mutilla aegaeon* Fox, 1899

*Nomiaephagus acuum* Cockerell, 1915

Distribution: Baja California, Sonora

236. ***Pseudomethoca propinqua* (Cresson, 1865)**

*Mutilla propinqua* Cresson, 1865

*Mutilla montivaga* Cresson, 1865

*Pseudomethoca sacatona* Caldwell, 1939

Distribution: Chihuahua

237. *Pseudomethoca psammodroma* (Blake, 1871)

*Mutilla psammadroma* Blake, 1871

Distribution: Jalisco

238. *Pseudomethoca ravula* (Cameron, 1894)

*Sphaerophthalma* [sic.] *ravula* Cameron, 1894

Distribution: Chiapas, Guerrero, Jalisco, Michoacán, Morelos, Nayarit, Sinaloa, Oaxaca.

239. *Pseudomethoca toumeyi* (Fox, 1894)

*Sphaerophthalma* [sic.] *toumeyi* Fox, 1894

Distribution: Sonora

240. *Pseudomethoca verticalis* (Smith, 1855)

*Mutilla verticalis* Smith, 1855

*Sphaerophthalma* [sic.] *cordovensis* Cameron, 1895

*Sphaerophthalma* [sic.] *mirandillensis* Cameron, 1895

*Sphaerophthalma* [sic.] *caroli* Cameron, 1905

Distribution: Veracruz

241. *Pseudomethoca volatilis* (Cameron, 1895)

*Sphaerophthalma* [sic.] *volatilis* Cameron, 1895

*Mutilla volans* Dalla Torre, 1897

Distribution: Tabasco

242. ***Pseudomethoca vulnerifrons* (André, 1906)**

*Ephuta vulnerifrons* André, 1906

Distribution: Campeche

243. *Pseudomethoca willei* Mickel, 1969

*Pseudomethoca transversa* Brothers, 1982

Distribution: Oaxaca, Veracruz

244. *Pseudomethoca xalapa* Blake, 1871

*Sphaerophthalma xalapa* Blake, 1871

Distribution: Mexico

245. *Pseudomethoca zapoteca* (Blake, 1871)

*Sphaerophthalma zapoteca* Blake, 1871

Distribution: Mexico

**Tribu Sphaerophthalmini Schuster, 1949 (1903)**

**Genus *Acanthophotopsis* Schuster, 1958**

246. ***Acanthophotopsis bequaertii* Schuster, 1958**

Distribution: Chihuahua, Durango

247. *Acanthophotopsis evansii* Schuster, 1958

Distribution: Chihuahua, Coahuila, Durango

248. *Acanthophotopsis falciformis* Schuster 1958

Distribution: Sonora, Zacatecas

249. *Acanthophotopsis snellingi* Tanner & Pitts, 2009

Distribution: Chihuahua, Zacatecas

**Genus *Acrophotopsis* Schuster, 1958**

250. *Acrophotopsis bergi* Casal, 1967

Distribution: Chihuahua, Morelos, Puebla

551. *Acrophotopsis campylognatha* Schuster, 1958

Distribution: Baja California, Baja California Sur

252. ***Acrophotopsis dirce* (Fox, 1899)**

*Mutilla dirce* Fox, 1899

*Acrophotopsis eurygnathus* Schuster, 1958

Distribution: Nayarit, Sonora

253. *Acrophotopsis mickeli* Pitts, 2002

Distribution: Baja California, Baja California Sur

**Genus *Dilophotopsis* Schuster, 1958**

254. *Dilophotopsis concolor* (Cresson, 1865)

*Mutilla concolor* (Cresson, 1865)

*Mutilla pygmaea* Blake, 1879

*Mutilla nanula* Dalla Torre, 1897

*Odontophotopsis alamonis* Viereck, 1904

Distribution: Baja California, Baja California Sur, Chihuahua, Coahuila, Durango, Nayarit, San Luis Potosí, Sonora

255. *Dilophotopsis paron* (Cameron, 1896)

*Sphaerophthalma* [sic.] *paron* Cameron, 1896

*Dilophotopsis concolor sonorensis* Schuster, 1958

Distribution: Baja California, Baja California Sur

**Genus *Laminatilla* Pitts, 2007**

256. *Laminatilla bicornigera* (Schuster, 1958)

Distribution: Baja California Sur, Jalisco, Morelos

257. *Laminatilla lamellifera* (Schuster, 1958)

*Odontophotopsis lamellifera* Schuster, 1958

Distribution: Sonora

258. *Laminatilla mixtoensis* (Schuster, 1958)

*Odontophotopsis mixtoensis* Schuster, 1958

Distribution: Guerrero, Puebla

**Genus *Odontophotopsis* Viereck, 1903**

259. *Odontophotopsis acmaea* Viereck, 1904

*Mutilla grata* Melander, 1903

*Odontophotopsis acmaeus* Viereck, 1904

Distribution: Baja California, Baja California Sur, Chihuahua, Sonora

260. ***Odontophotopsis apacheorum* Schuster, 1958**

Distribution: Coahuila.

261. *Odontophotopsis armata* Schuster, 1958

Distribution: Baja California, Baja California Sur

262. ***Odontophotopsis biramosa* Schuster, 1952**

Distribution: Sonora

263. ***Odontophotopsis braccata* Schuster, 1958**

Distribution: Chihuahua

264. *Odontophotopsis carinata* Mickel, 1983

Distribution: Mexico

265. *Odontophotopsis clypeata* Schuster, 1958

Distribution: Baja California Sur, Durango, Sonora

266. *Odontophotopsis conifera* Schuster, 1958

Distribution: Sonora

267. ***Odontophotopsis cookie* Baker, 1905**

Distribution: Baja California, Baja California Sur

268. ***Odontophotopsis delodonta* Viereck, 1904**

Distribution: Sonora

269. *Odontophotopsis denticoxa* Mickel, 1983

Distribution: Sonora

270. *Odontophotopsis dentifera* Schuster, 1958

Distribution: Baja California, Baja California Sur, Sonora

271. *Odontophotopsis erebus* (Melander, 1903)

*Mutilla erebus* Melander, 1903

*Mutilla avellanus* Viereck, 1904

Distribution: Chihuahua, Coahuila, Tamaulipas

272. *Odontophotopsis eubule* (Cameron, 1896)

*Sphaerophthalma eubule* Cameron, 1896

*Mutilla hamata* Melander, 1903

Distribution: Sonora

273. ***Odontophotopsis hammetti* Pitts, 2010**

Distribution: Baja California, Sonora

274. ***Odontophotopsis hexadonta* Schuster, 1958**

Distribution: Baja California

275. *Odontophotopsis ignacio* Schuster, 1958

Distribution: Baja California, Baja California Sur

276. ***Odontophotopsis inconspicua* (Blake, 1886)**

*Photopsis inconspicuus* Blake, 1866

*Mutilla infelix* Dalla Torre, 1897

Distribution: Baja California, Baja California Sur, Sonora

277. *Odontophotopsis mariae* (Cameron, 1896)

*Sphaerophthalma* [sic.] *mariae* Cameron, 1896

Distribution: Nayarit

278. *Odontophotopsis melicausa* (Blake, 1871)

*Agama melicausa* Balke, 1871

*Mutilla brevicornis* Fox, 1899

Distribution: Baja California, Baja California Sur, Coahuila, Chihuahua, Nuevo León, Sonora

279. *Odontophotopsis mexicana* Pitts, 2007

Distribution: Guerrero, Jalisco

280. ***Odontophotopsis microdonta* Ferguson, 1967**

Distribution: Baja California Sur

281. *Odontophotopsis multidentata* Mickel, 1983

Distribution: Mexico

282. *Odontophotopsis obliqua* Viereck, 1924

*Odontophotopsis obliquus* Viereck, 1925

Distribution: Baja California

283. ***Odontophotopsis parva* Schuster, 1958**

Distribution: Sonora

284. *Odontophotopsis pima* Schuster, 1958

Distribution: Baja California

285. *Odontophotopsis polis* Pitts, 2007

Distribution: Baja California

286. ***Odontophotopsis quadridentata* Schuster, 1958**

Distribution: Baja California

287. *Odontophotopsis quadrispinosa* Schuster, 1958

Distribution: Baja California, Baja California Sur, Sonora

288. *Odontophotopsis rubriventris* (Schuster, 1958)

*Sphaerophthalma facilis rubriventris* Schuster, 1958

Distribution: Aguascalientes, Chihuahua, Durango, Tamaulipas

289. *Odontophotopsis cerca* Viereck, 1904

*Odontophotopsis sercus* Viereck, 1904

Distribution: Baja California, Baja California Sur

290. ***Odontophotopsis setifera* Schuster, 1952**

Distribution: Baja California

291. ***Odontophotopsis sonora* (Schuster, 1958)**

*Sphaerophthalma sonora* Schuster, 1958

Distribution: Baja California, Sonora

292. ***Odontophotopsis succinea* Viereck, 1903**

*Odontophotopsis succineus* Viereck, 1903

*Odontophotopsis annulatus* Baker, 1905

Distribution: Baja California

293. *Odontophotopsis tenuiptera* Schuster, 1958

Distribution: Chihuahua, Sinaloa, Sonora

294. ***Odontophotopsis territa* (Cockerell, 1894)**

*Photopsis territus* Cockerell, 1894

Distribution: Chihuahua

295. ***Odontophotopsis unicornis* Schuster, 1958**

*Odontophotopsis unicornis* Schuster, 1958

Distribution: Sonora

296. ***Odontophotopsis villosa* Mickel, 1983**

Distribution: Sonora

**Genus *Photomorphus* Viereck, 1903**

297. ***Photomorphus bicolor* (Blake, 1879)**

*Agama bicolor* Blake, 1879

*Mutilla madejskii* Dalla Torre, 1897

Distribution: Chihuahua, Sonora

298. ***Photomorphus clandestinus* (Viereck, 1903)**

*Odontophotopsis clandestinus* Viereck, 1903

*Mutilla hebes* Melander, 1903

*Photomorphus taeniatus* Schuster, 1958

*Photomorphus parksi* Schuster, 1958

Distribution: Coahuila, Nuevo León, Oaxaca, Sonora, Tamaulipas

299. *Photomorphus cobabi* Schuster, 1958

Distribution: Baja California, Morelos, Sonora

300. *Photomorphus cochisae* Schuster, 1958

Distribution: Mexico

301. *Photomorphus comobabi* Schuster, 1958

Distribution: Mexico

302. *Photomorphus dentistoma* Schuster, 1958

Distribution: Mexico

303. *Photomorphus gamelia* (Cameron, 1895)

*Sphaerophthalma* [sic.] *gamelia* Cameron, 1895

Distribution: Mexico

304. *Photomorphus gamelioides* Schuster, 1958

Distribution: Mexico

305. *Photomorphus juanita* Schuster, 1952

*Photomorphus* (*Photomorphina*) *juanita* Schuster, 1952

Distribution: Jalisco, Tamaulipas

306. *Photomorphus mexicanella* Schuster, 1952

Distribution: Baja California Sur

307. *Photomorphus orizaba* (Blake, 1871)

*Agama orizaba* Blake, 1871

Distribution: Mexico

308. *Photomorphus piceogaster* (Schuster, 1958)

*Odontophotopsis piceogaster* Schuster, 1958

Distribution: Mexico

309. *Photomorphus quadriangulatus* Schuster, 1958

Distribution: Mexico

310. *Photomorphus sarpedon* (Fox, 1899)

*Mutilla sarpedon* Fox, 1899

Distribution: Mexico

#### **Genus *Silvorientilla* Williams & Cambra, 2019**

311. *Silvorientilla bonus* Williams & Cambra, 2019

Distribution: Quintana Roo

312. *Silvorientilla philobeddoe* Williams & Cambra, 2019

Distribution: Veracruz

313. *Silvorientilla prosarasoror* Williams & Cambra, 2019

Distribution: Oaxaca

314. *Silvorientilla separata* (Smith, 1879)

*Mutilla separata* Smith, 1879

Distribution: Veracruz

**Genus *Sphaerophthalma* Blake, 1871**

315. *Sphaerophthalma abbreviata* Schuster, 1958

Distribution: Baja California

316. ***Sphaerophthalma abdominalis* (Blake, 1886)**

*Photopsis abdominalis* Blake, 1886

*Mutilla coloradensis* Dalla Torre, 1897

Distribution: Chihuahua

317. ***Sphaerophthalma alsvid* Williams & Pitts, 2007**

Distribution: Chiapas

318. *Sphaerophthalma amphion* (Fox, 1899)

*Mutilla amphion* Fox, 1899

*Photopsis abstrusa* Baker, 1905

*Photopsis nudatus* Baker, 1905

Distribution: Baja California, Baja California Sur, Sonora

319. ***Sphaerophthalma arota* (Cresson, 1875)**

*Mutilla arota* Cresson, 1875

*Mutilla helicaon* Fox, 1899

*Photopsis lingulatus* Viereck, 1903

*Photopsis carinata* Schuster, 1958

*Photopsis diegueno* Schuster, 1958

*Photopsis coahuilae* Schuster, 1958

Distribution: Baja California, Baja California Sur, Chihuahua, San Luis Potosí, Sonora, Zacatecas

320. ***Sphaerophthalma arvak* Williams & Pitts, 2007**

Distribution: Chiapas

321. ***Sphaerophthalma baboquivari* Schuster, 1958**

Distribution: Sonora

322. ***Sphaerophthalma bellerophon* (Fox, 1899)**

*Mutilla bellerophon* Fox, 1899

Distribution: Chihuahua

323. *Sphaerophthalma blakeii* (Fox, 1893)

*Photopsis blakeii* Fox, 1893

*Mutilla gautschii* Dalla Torre, 1897

*Mutilla ceyx* Fox, 1899

Distribution: Baja California, Baja California Sur, Sonora

324. *Sphaerophthalma brachyptera* (Schuster, 1945)

*Photopsis brachyptera* Schuster, 1945

*Photopsis yavapai* Schuster, 1958

Distribution: Baja California Sur, Chihuahua, Coahuila, Sonora

325. ***Sphaerophthalma ceyxoides* Schuster, 1958**

Distribution: Baja, California, Sonora

326. *Sphaerophthalma chupacabra* Williams & Pitts, 2007

Distribution: Chiapas

327. ***Sphaerophthalma clara* (Cresson, 1865)**

*Mutilla clara* Cresson, 1865

Distribution: Zacatecas

328. *Sphaerophthalma coaequalis* Cameron, 1896

*Mutilla albicincta* Fox, 1899

*Mutilla piceocephala* Schuster, 1958

*Mutilla flavipes* Schuster, 1958

Distribution: Sonora

329. *Sphaerophthalma danaus* (Blake, 1871)

*Agama danaus* Blake, 1871

*Mutilla danaus* Dalla Torre, 1897

Distribution: Mexico

330. *Sphaerophthalma difficilis* (Baker, 1905)

*Photopsis difficilis* Baker, 1905

*Photopsis maricopella* Schuster, 1958

*Photopsis castanea* Schuster, 1958

*Photopsis fuscata* Schuster, 1958

*Photopsis purismella* Schuster, 1958

*Photopsis parrasia* Schuster, 1958

*Photopsis quijotoa* Schuster, 1958

*Photopsis californiense* Schuster, 1958

Distribution: Baja California, Baja California Sur, Chihuahua, Sonora

331. ***Sphaerophthalma edwardsii* (Cresson, 1875)**

*Mutilla edwardsii* Cresson, 1875

*Sphaerophthalma flammifera* Schuster, 1958

Distribution: Baja California

332. *Sphaerophthalma facilis* (Cameron, 1896)

*Sphaerophthalma* [sic.] *facilis* Cameron, 1896

*Mutilla hubbardii* Fox, 1899

*Mutilla piceogaster* Schuster, 1958

Distribution: Baja California Sur, Chihuahua, Durango, Zacatecas

333. *Sphaerophthalma fuscipes* Schuster, 1958

Distribution: Durango

334. *Sphaerophthalma gullinbursti* Williams & Pitts, 2007

Distribution: Quintana Roo

335. *Sphaerophthalma hati* Williams & Pitts, 2007

Distribution: Quintana Roo, Yucatán

336. ***Sphaerophthalma hialina* (Blake, 1871)**

*Agama hialina* Blake, 1871

*Agama minuta* Blake, 1872

Distribution: Baja California Sur, Chihuahua

337. *Sphaerophthalma ignacio* Schuster, 1958

Distribution: Baja California, Baja California Sur

338. ***Sphaerophthalma imperialis* (Blake, 1871)**

*Agama imperialis* Blake, 1871

*Mutilla erato* Blake, 1879

Distribution: Coahuila, Nuevo León, Tamaulipas

339. *Sphaerophthalma insignis* (Baker, 1905)

*Photopsis insignis* Baker, 1905

Distribution: Baja California, Baja California Sur

340. *Sphaerophthalma isolatrix* (Schuster, 1958)

*Xenophotopsis isolatrix* Schuster, 1958

Distribution: Baja California, Baja California Sur

341. *Sphaerophthalma jacala* Schuster, 1958

Distribution: Coahuila, Hidalgo, Jalisco, Puebla

342. ***Sphaerophthalma juxta* (Blake, 1872)**

*Agama juxta* Blake, 1872

Distribution: Chihuahua, Durango

343. ***Sphaerophthalma marpesia* (Blake, 1879)**

*Mutilla marpesia* Blake, 1879

*Sphaerophthalma* [sic.] *luteola* Blake, 1886

*Mutilla imperialiformis* Viereck, 1906

*Sphaerophthalma* (*Photopsis*) *maricopae* Schuster, 1958

Distribution: Chiapas, Baja California

344. *Sphaerophthalma mendica* (Blake, 1871)

*Agama mendica* Blake, 1871

*Mutilla aspasia* Blake, 1879

*Photopsis nebulosus* Blake, 1886

Distribution: Mexico

345. ***Sphaerophthalma militaris* Schuster, 1958**

Distribution: Baja California, Sonora

346. ***Sphaerophthalma nana* (Ashmead, 1896)**

*Photopsis nana* Ashmead, 1896

*Mutilla acontia* (Fox, 1899)

*Mutilla ashmeadi* Fox, 1899

Distribution: Baja California, Baja California Sur, Chihuahua

347. *Sphaerophthalma nigriventris* (Fox, 1893)

*Photopsis nigriventris* Fox, 1893

Distribution: Baja California Sur

348. *Spaherophthalma nigrobalteata* (Cameron, 1896)

*Brachycistis exornatus* Cameron, 1899

Distribution: Mexico

349. *Spaherophthalma nocticarum* Pitts, 2005

Distribution: Oaxaca

350. ***Sphaerophthalma noctivaga* (Melander, 1903)**

*Mutilla noctivaga* Melander, 1903

*Mutilla infuscata* Schuster, 1958

Distribution: Chihuahua, Sonora, Zacatecas

351. ***Sphaerophthalma nokomis* (Blake, 1871)**

*Agama nokomis* Blake, 1871

Distribution: Chihuahua

352. ***Sphaerophthalma orestes* (Fox, 1899)**

*Mutilla orestes* (Fox, 1899)

*Mutilla pattersonae* Melander, 1903

*Photopsis uniformis* Baker, 1905

*Photopsis pedatus* Baker, 1905

*Photopsis ingenuus* Baker, 1905

*Mutilla fresnoensis* Schuster, 1958

*Mutilla oregana* Schuster, 1958

Distribution: Baja California, Baja California Sur

353. ***Sphaerophthalma pallida* (Blake, 1871)**

*Agama pallida* Blake, 1871

*Sphaerophthalma arizonae* Schuster, 1958

Distribution: Chihuahua, Sonora

354. ***Sphaerophthalma pallidipes* Schuster, 1958**

*Sphaerophthalma gila* Schuster, 1958

Distribution: Sonora, Chihuahua

355. ***Sphaerophthalma parapenalis* Ferguson, 1967**

Distribution: Chihuahua

356. ***Sphaerophthalma pateli* Schuster, 1958**

Distribution: Sonora

357. ***Sphaerophthalma pinalea* Schuster, 1958**

*Sphaerophthalma* (*Photopsis*) *pinalea* Schuster, 1958

Distribution: Baja California Sur, Coahuila, Durango, Puebla

358. ***Sphaerophthalma pinales* Schuster, 1958**

Distribution: Mexico

359. *Sphaerophthalma purissima* Schuster, 1958  
*Photopsis purissima* Schuster, 1958  
 Distribution: Baja California, Baja California Sur
360. *Sphaerophthalma skinfaxi* Williams & Pitts, 2007  
 Distribution: Chiapas, Oaxaca
361. *Sphaerophthalma subtriangularis* Schuster, 1958  
 Distribution: Baja California, Baja California Sur
362. *Sphaerophthalma tetracuspis* Schuster, 1958  
 Distribution: Baja California, Baja California Sur
363. *Sphaerophthalma triangularis* (Blake, 1871)  
*Agama triangularis* Blake, 1871  
 Distribution: Chihuahua, Sonora
364. *Sphaerophthalma unicolor* (Cresson, 1865)  
*Mutilla unicolor* Cresson, 1865  
*Mutilla phaedra* Blake, 1879  
*Mutilla auraria* Blake, 1879  
*Agama rustica* Blake, 1879  
*Mutilla monochroa* Dalla Torre, 1897  
*Sphaerophthalma* [sic.] *anthophora* Ashmead, 1897  
*Dasymutilla sumneriella* Cockerell, 1915  
*Sphaerophthalma ocellaria* Schuster, 1958  
 Distribution: Baja California
365. ***Sphaerophthalma uro* (Blake, 1879)**  
*Agama uro* Blake, 1879  
*Photopsis melanderi* Baker, 1905  
*Sphaerophthalma stenognatha* Schuster, 1958  
 Distribution: Coahuila, Chihuahua, Durango, Zacatecas
366. *Sphaerophthalma yumaella* Schuster, 1958  
*Sphaerophthalma* (*Micromutilla*) *yumaella* Schuster, 1958  
 Distribution: Baja California, Baja California Sur, Sonora

**Genus *Stethophotopsis* Pitts, 2000**

367. *Stethophotopsis cremauranti* Pitts & Manley, 2002

Distribution Chihuahua

368. *Stethophotopsis maculata* Pitts, 2000

Distribution: Sonora

**Subfamily Myrmosinae Fox, 1894**  
**Tribe Kudakrumiini Krombein, 1979**  
**Genus *Myrmosula* Bradley, 1917**

369. *Myrmosula latericarinata* Wasbauer, 1973

Distribution: Baja California Sur

Species of Mutillidae *incertae sedis* from Mexico (Nonveiller, 1990; Pagliano *et al.*, 2020)

*amphissa* Cameron, 1894: 325 (*Sphaerophthalma*); Temax in North Yucatan

*antiguensis* Fabricius, 1775: 396 (*Mutilla*)

*aretes* Cameron, 1896: 386 (*Sphaerophthalma*) Northern Sonora

*cleonica* Cameron, 1895: 333 (*Sphaerophthalma*); Temax in North Yucatan

*dasygastra* André, 1898: 40 (*Mutilla*)

*erecta* Fox, 1894: 93 (*Sphaerophthalma*)

*extinctor* Cameron, 1894: 322 (*Sphaerophthalma*); Teapa in Tabasco

*ictinus* Cameron, 1896: 378 (*Sphaerophthalma*); Northern Sonora

*jaliscoensis* Cameron, 1895: 346 (*Sphaerophthalma*); Santiago Iscuintla in Jalisco

*janira* Cameron, 1895: 334 (*Sphaerophthalma*); North Yucatan

*lacuna* Cameron, 1896: 380 (*Sphaerophthalma*)

*laerma* Cameron, 1896: 388 (*Sphaerophthalma*); Northern Sonora

*luxuriosa* Smith, 1879: 224 (*Mutilla*)

*lycimnia* Cameron, 1894: 327 (*Sphaerophthalma*); Cordova

*nana* Smith, 1879: 226 (*Mutilla*); Orizaba

*oeax* Cameron, 1895: 375 (*Sphaerophthalma*); Northern Sonora

*orithyia* Cameron, 1894: 325 (*Sphaerophthalma*); Paso del Macho

*otomita* Cameron, 1896 (*Sphaerophthalma*)

*phylacis* Cameron, 1896: 382 (*Sphaerophthalma*); Northern Sonora

*semirubra* Gerstaecker, 1874: 312 (*Mutilla*)

*severa* Cameron, 1896 (*Sphaerophthalma*)

*sonorensis* Cameron, 1895: 335 (*Sphaerophthalma*), Northern Sonora

*variolosa* André, 1898: 50 (*Mutilla*).

*Nomen dubium*

*Invreielliella megacantha* (Cockerell & Casad, 1894)