REGISTRATION OF GENUS-GROUP TAXA OF APHIDOIDEA

REGISTRO DE LOS TAXONES DEL NIVEL GÉNERO DE APHIDOIDEA

Juan M. Nieto Nafría, Colin Favret, Shin-ichi Akimoto, Sebastiano Barbagallo, Samiran Chakrabarti, M. Pilar Mier Durante, Gary L. Miller, Ge-xia Qiao, Masakazu Sano, Nicolás Pérez Hidalgo, Andrey V. Stekolshchikov, and Piotr Wegierek
REGISTER OF GENUS-GROUP TAXA OF APHIDOIDEA

This “Register of the genus-group taxa of APHIDOIDEA” corresponds to the proposal approved by the delegates attending the Eighth International Symposium on Aphids ––see Preface– with the addition of taxa described since 31 December 2005, the cutoff date for the proposal.

The genus-group names included here belong to the same superfamily, APHIDOIDEA, as contextualized and circumscribed in the “Register of family-group taxa of APHIDOIDEA”.

Some nomenclatural clarifications resulting from the preparation of this work have already been published in 2009 (Redia, 92: 119–123) and 2010 (Zootaxa, 2410: 65–68).

This “Register” is composed of two sections: “Available Names” and “Unavailable Names”.

As in the “Register of family-group taxa” (see above), the terms “available” and “unavailable”, and likewise “valid” and “invalid” are used with the exact meanings as laid out in the “International Code of Zoological Nomenclature, Fourth Edition” (henceforth the “Code”).

----------

THE AVAILABLE NAMES

Each available name is presented with the following details: (1) the name itself with its author and year of publication, (2) the bibliographic citation, (3) the name’s rank at the time of publication, (4) the name’s type species, (5) its objective status, and when appropriate, (6) its subjective status and (7) taxonomic position.
Available names: taxon name

The name is presented as published, altered only if a correction is required by applying “Code” Article 33.2.2:

The correction of an incorrect original spelling in accordance with Article 32.5 is a “justified emendation”, and the name thus corrected retains the authorship and date of the original spelling [Art. 19.2].

unless an exception is granted by applying Article 33.2.3.1:

When an unjustified emendation is in prevailing usage and is attributed to the original author and date it is deemed to be a justified emendation.

Author names can be presented following recommendation 51E of the “Code”, with the formula “Author X in Author Y”, indicating that the taxon was named by one or more authors within the work of another; for example “Buckton in Cotes”, “Tao in Eastop and Hille Ris Lambers”, “Börner in Börner and Schilder” or “Zhang (G.-x.) & Qiao in Qiao, Zhang (G.-x.) and Zhao (F.)”. In order that authorship attributions not extend at length, we have not employed this technique, but instead incorporated the taxon author within the bibliographic reference (see below).

If the general aphid bibliography contains multiple authors with the same surname, we provide the author’s first name initials in parentheses in the in-text citation.

The year of publication of each name is the actual year, not the one specified in the published work itself. We did not use the double date method presented by the “Code” (Recommendation 22A.2.3), for example, for a work printed as having been published in 1974 but actually published in 1977: “1977 (1974)”. Instead, the secondary date is presented in the citation in parentheses before the colon preceding the reference’s page numbers (see below).

Available names: bibliographic references

If the taxon author is not the same as the publication’s author, the bibliographic reference is presented with the publication’s author, thus avoiding the loss of attribution information.

If the printing year as specified in the publication is not the real, actual publication year, it is included in brackets before the colon preceding the reference’s page numbers.

The text “[preprint]” after the title of the book or article indicates that the author distributed a preprint prior to the distribution of the book or journal volume proper. The name is considered published with the initial distribution, in accordance with “Code” Article 21.8:
Advance distribution of separates and preprints. Before 2000, an author who distributed separates in advance of the specified date of publication of the work in which the material is published thereby advanced the date of publication. […].

Bibliographic references are given with the journal or book’s full name, but article and book chapter titles are not presented. Titles are given in the original language if in the Latin alphabet. Those in a Cyrillic alphabet are transliterated using established standards and checked by A.V. Stekolshchikov. If the title is printed in Chinese or Japanese, a phonetic translation was made by G.-x. Qiao or M. Sano, respectively. If the journal or book title is bilingual, only one language is used.

When available, we included the journal’s issue number along with its volume number.

The single page in citations is that on which the taxon name appears ahead of its formal description, or on which is presented the “indication”, for taxa proposed prior to 1931, even if diagnostic characters are presented prior (in an abstract, key, figure legend, table, list, etc.). In the case when the only description is embedded in other text, or forms part of a dichotomous key, the page cited is the one on which the name appears, usually at the end of the text or key dichotomy, in contrast with formal descriptions where the name usually appears at the beginning.

**Available names: type species**

We present the type species in its original combination, with its author and actual year of publication. If the species name is invalid, we give the valid name, also in its original combination in accordance with Recommendation 67B of the “Code”:

The name of a type species should be cited by its original binomen. If the name of the type species is, or is currently treated as, an invalid name, authors may also cite its valid synonym.

We specify the method of type designation using the “Code” terminology (original designation, monotypy, subsequent designation, etc.), except when the name is a replacement name or an unjustified emendation, in which case we use “denoted by”, in accordance with “Code” Article 67.8:

Type species of nominal genus-group taxa denoted by new replacement names.- If an author publishes a new genus-group name expressly as a new replacement name (nomen novum) for a previously established name, or replaces a previously established genus-group name by an unjustified emendation [Art. 33.2.4], both the prior nominal taxon and its replacement have the same type species, and type fixation for either applies also to the other […]
Available names: objective status

Objective status refers exclusively to nomenclatural criteria enumerated in the “Code”. A name’s objective status is stable and invariant over time, and independent of taxonomic classification.

In each case, besides being available, we specify if the name is potentially valid or objectively invalid. If invalid, the reason for its invalidity is given, usually for being an objective junior synonym or a junior homonym. In some cases, additional details concerning the name’s objective status are provided, for example the replacement name of a junior homonym.

No further data are given for objectively invalid names, but we present more details concerning objectively valid names.

Available names: subjective status and taxonomic position

Subjective status and taxonomic position are based entirely on subjective criteria and as such were not part of the proposal to the International Commission on Zoological Nomenclature. We do include these data here in the Register for their taxonomic importance.

We state whether the name is subjectively valid or invalid, and if the latter, the reason for invalidity.

We provide the taxonomic position for subjectively valid taxa only. Readers are directed to the Register entry of the senior synonym to find the taxonomic position of invalid names.

THE UNAVAILABLE NAMES

For each unavailable name, we provide: (1) the taxon name with its author, year of publication, and reference citation, and (2) the reason for being unavailable.

Taxon and author names, dates, and references are treated as described above.

Causes of unavailability are those as enumerated in the “Code” (see below).

We did not record misspellings, whether incorrect original spellings or typographical/transcriptional errors, which are frequent in the aphid literature, as in zoological literature in general, and which appear frequently in so-called synonymic lists. Some misspellings of generic aphid names are recorded as
such in such synonymic lists and in general catalogues, such as the Survey, but others have been lost to the ancient literature.

Some subsequent misspellings were incorrectly considered justified emendations and hence, for a time, treated as available; for example: “Schizonevra” and “Tetranerva” attributed to Agassiz (1846), “Pterochlorus” attributed to Passerini (1866), “Rhizobius” attributed to Ferrari (1872), and “Macroisiphon” attributed to Del Guercio (1914); correctly Schizoneura, Tetranera, Pteroclorus, Rhizobius, and Macrosiphum, respectively. Correctly, they are not justified emendations in accordance with “Code” Article 33:

33.1. Kinds of subsequent spellings. A subsequent spelling of a name, if different from the original spelling [Art. 32.1], is either an emendation [Art. 33.2], or an incorrect subsequent spelling [Art. 33.3], or a mandatory change [Art. 34].

33.2. Emendations. Any demonstrably intentional change in the original spelling of a name other than a mandatory change is an “emendation”, except as provided in Article 33.4. 33.2.1. A change in the original spelling of a name is only to be interpreted as “demonstrably intentional” when in the work itself, or in an author’s (or publisher’s) corrigenda, there is an explicit statement of intention, or when both the original and the changed spelling are cited and the latter is adopted in place of the former, or when two or more names in the same work are treated in a similar way.

33.3. Incorrect subsequent spellings. Any subsequent spelling of a name different from the correct original spelling, other than a mandatory change or an emendation, is an “incorrect subsequent spelling”; it is not an available name and, like an incorrect original spelling [Art. 32.4], it does not enter into homonymy and cannot be used as a substitute name, but […]

33.5. Cases of doubt. In any case of doubt whether a different subsequent spelling is an emendation or an incorrect subsequent spelling, it is to be treated as an incorrect subsequent spelling (and therefore unavailable), and not as an emendation.

———

ADDITIONAL DETAILS

Number of established genus-group taxa of Aphiidae: 1,330.

The first available genus-group taxon is *Aphis* Linnaeus, 1758, and the currently most recent available genus-group taxon is *Gondvanoaphis* Wegierek & Grimaldi, 2010.

The first genus-group taxa proposed for the rank of subgenus were: *Adactynus* Rafinesque, 1918, *Dactynotus* Rafinesque, 1918, and *Loxerates* Rafinesque, 1918; they are available but doubtful, although *Dactynotus* was in common use for some time.
Registers of family-group and genus-group taxa of **Aphidoidea (Hemiptera: Sternorrhyncha)**. 81–404, 2010

**Unavailable nominal genus-group taxa of Aphidoidea**

Number of unavailable names: 110.

*Summary of unavailable names, their authors, and reason for unavailability*

Four names by Aizenberg (1954) are unavailable because they appeared in a work not officially published in accordance with “Code” Articles 8.1.1 and 9.9.

[A work must satisfy the following criteria:] it must be issued for the purpose of providing a public and permanent scientific record.

[Notwithstanding the provisions of Article 8, none of the following constitutes published work within the meaning of the Code:] abstracts of articles, papers, posters, texts of lectures, and similar material when issued primarily to participants at meetings, symposia, colloquia or congresses.

Sixty-six names are unavailable because Amyot (1847, *Méthode mononymique*) failed to apply binomial nomenclature in accordance with Article 11.4:

The author must have consistently applied the Principle of Binominal Nomenclature [Art. 5.1] in the work in which the name or nomenclatural act was published; however, this Article does not apply to the availability of names of taxa at ranks above the family group.

Four names by Shinji (1927), Del Guercio (1930), Börner (1952), and Richards (1971) were established in synonymy contrary to Articles 11.5 and 11.6.1, which respectively state:

Names to be used as valid when proposed. To be available, a name must be used as valid for a taxon when proposed […].

[A name which when first published in an available work was treated as a junior synonym of a name then used as valid is not thereby made available] However, if such a name published as a junior synonym had been treated before 1961 as an available name and either adopted as the name of a taxon or treated as a senior homonym, it is made available thereby but dates from its first publication as a synonym (for type species if a genus-group name see Article 67.12; […]; for authorship see Article 50.7).

Four names by Leach (1826), Williams (1891), and Mordvilko (1924, 1929), were proposed before 1931 and with neither descriptions nor indications, contrary to Article 12.1:

To be available, every new name published before 1931 must satisfy the provisions of Article 11 and must be accompanied by a description or a definition of the taxon that it denotes, or by an indication.

Two Mordvilko names (1908, 1914) were proposed before 1931 with neither description nor indication (Article 12.1) and also without containing any valid species, per Article 12.2.5:

[For the purposes of this Article the word “indication” denotes only the following:] in the case of a new genus-group name, the use of one or more available specific names in combination with it, or clearly included under it, or clearly referred to it by bibliographic reference, provided that the specific name or names can be unambiguously assigned to a nominal species-group taxon or taxa;

Thirteen names by Mordvilko (1932, 1955), Shinji (1933), Hille Ris Lambers (1945, three names), Börner (1949, 1952), Pašek (1966, two), Knowlton (1972), and A.K. Ghosh (1974, two), were proposed after 1930 without a text description per Article 13.1:

To be available, every new name published after 1930 must satisfy the provisions of Article 11 and must

13.1.1. be accompanied by a description or definition that states in words characters that are purported to differentiate the taxon, or
13.1.2. be accompanied by a bibliographic reference to such a published statement […] or
13.1.3. be proposed expressly as a new replacement name (nomen novum) for an available name […].
Nine names by Börner (1944 [five names], 1950 [two names]), Takahashi (1965), and Paik (1972) were proposed after 1930 without a designated type species, per Article 13.3:

To be available, every new genus-group name published after 1930 […] must, in addition to satisfying the provisions of Article 13.1, be accompanied by the fixation of a type species in the original publication [Art. 68] or be expressly proposed as a new replacement name (nomen novum) [Art. 67.8].

Five names by van der Goot (1915), Matsumura (1917), Shinji (1929 [two names]), and Özdikem & Demir (2007) were alternate original spellings not adopted by the first reviser, per Article 19.3:

Alternative original spellings that are not adopted by the First Reviser [Art. 24.2] are deemed to be incorrect original spellings and are not separately available [Art. 32.4].

Two names by Mordvilko (1919) and Takahashi (1962) were original spellings replaced by a subsequent spelling in predominant use and attributed to the publication of the original spelling, per Article 33.3.1:

when an incorrect subsequent spelling is in prevailing usage and is attributed to the publication of the original spelling, the subsequent spelling and attribution are to be preserved and the spelling is deemed to be a correct original spelling.

Summary of available nominal genus-group taxa of Aphidoidea

Number of available names: 1,220.
Available taxa established at the rank of subgenus: 151.
Available taxa established at the rank of genus: 1,069.

Chronology

Number of available taxa established in the first 75 years of Linnean zoological nomenclature (1758–1832): eight, only two remain valid today (Table G-1).

Available taxa established in the first hundred years of Linnean zoological nomenclature (1758–1857): 54 (Table G-1).

Note the frequency, during those 100 years, of nomenclatural instability (objective and subjective synonyms, homonyms, etc.), and of the high number of proposed genera today classed as Eriosomatinae.

Available taxa established after 1858: 1,165 (Table G-2 and Figure G-1).

The rate of addition of aphid genera increased after 1900, although it varied across the decades of the 20th Century. The decades 1911–1920 and 1961–1970 saw the greatest number
of new genus-group taxa, with high numbers also in the decades 1921-1930 and 1951-1960.

**Authorities**

Number of available genus-group taxa proposed by one author alone: 1,046.

Available names proposed by two to four authors: 174.

Number of different genus-group name authorships (including different attributed author orders): 97.

Number of authors involved: 245.

Most prolific authors, responsible for 1% or more of the available name (12 or more): 33, responsible for approximately 75% of all available genus-group taxa (Table G-4).

**Type species**

Number of available taxa with type species: 1,209 (Table G-5).


Taxa with type species objectively invalid (for being junior homonyms): 3, they are *Hydaphias*, *Rizoberlesia*., and *Submacrosiphum*.

Taxa with type species objectively valid but subjectively invalid (they are junior subjective synonyms): 227.

Taxa with type species objectively and subjectively valid: 979.

**Valid and invalid nominal genus-group taxa**

Number of objectively invalid taxa: 109

5 are suppressed or invalidated under the Plenary Powers of the International Commission on Zoological Nomenclature: *Byrsocrypta*, *Brysocrypta*, *Doralis*, *Callaphis*, *Rhizobius*;

1 is a *nomen oblitum*: *Phillophorus*;

1 is an unjustified emendation and junior homonym: *Microsiphon* Börner;

6 are unjustified emendations, *Asiphon*, *Cryptosiphon*, *Drepanosiphon*, *Macrosiphon*, *Rhopalosiphon*, and *Submacrosiphon*;
3 are junior homonyms and junior objective synonyms: *Anacrythosiphon* Raychaudhuri (D.N.) *et al.*, *Ferganaphis* Mukhamediev, *Paraneomyzus* Raychaudhuri (D.N.) *et al.*;

60 are junior homonyms; and

33 are junior objective synonyms

Objectively valid taxa: 1,111.

Most prolific authors of at least 1% (11 names) of all objectively valid genera: 33 (Table G-6).

Subjectively invalid taxa: 338.

Subjectively valid taxa: 773.

Taxa subjectively valid but without taxonomic context (i.e., *nomina dubia*): 22, by Del Guercio, Gaumont, and Koch (1 each), Matsumura, Shinji, and Theobald (2 each), and Rafinesque, Rusanova, and Mordvilko (3, 4, and 5 each, respectively).

Taxa fully valid and with taxonomic meaning: 751.

**The distribution of valid taxa within family-groups**

There is great variety in the number of genera within each of the valid aphid families and subfamilies (Table G-7). Thirty-seven genera are not assignable to the lowest subordinate family-group taxon (i.e., they are *incertae sedis*).

*Aphidinae* is the subfamily with the most genera, 352 of 773, or 45.5% of the total. The next highest concentrations of valid genera and subgenera are found in *Calaphidinae*, with 92 or 11.9%, *Eriosomatinae* with 76 or 9.8%. *Hormaphidinae* have 48 or 6.2%, *Lachninae* have 26 or 3.4%, *Greenideinae* have 23 or 2.9%, and *Saltusaphidinae* have 16 or 2.1%.

Comparing the ratio of valid species to genera within family-group taxa can give insight into the amount of taxonomic ‘clumping’ and ‘splitting’ and also underscore the need for comprehensive revisions of some of the largest groups.

The *Saltusaphidinae* and *Calaphidinae* have the lowest ratio of valid species to genus-groups (3.75 and 3.84, respectively): both of these subfamilies have been the subject of recent global revisions. In constrast, the *Aphidini* and *Lachninae* have the highest ratios of species to genus-groups (18.48 and 14.92, respectively). These latter taxa contain the two largest aphid genera, *Aphis* and *Cinara*, with 553 and 241 valid species, respectively. Börner had split them into a number of additional genera, but these were difficult to distinguish, probably did not refer to natural groups, and fell into disuse and
then synonymy. The large size of these two globally distributed genera makes them unwieldy to work with, taxonomically, as there are no clear ways to divide them into more manageable groups. Simultaneously, they are so large as to discourage revisionary work [data taken from Aphid Species File – http://Aphid.SpeciesFile.org].
### Table G-1. Genus-group level taxa proposed from 1758 through 1857, ordered first chronologically, then alphabetically by author and taxon name.

<table>
<thead>
<tr>
<th>Year</th>
<th>Author</th>
<th>Available taxon</th>
<th>Current status</th>
<th>Additional information</th>
</tr>
</thead>
<tbody>
<tr>
<td>1758</td>
<td>Linnaeus</td>
<td><em>Aphis</em></td>
<td>valid</td>
<td>first genus of the <strong>Aphidoidea</strong></td>
</tr>
<tr>
<td>1818</td>
<td>Leach</td>
<td><em>Eriosoma</em></td>
<td>valid</td>
<td>oldest genus of <strong>Erisosomatinae</strong>, and second of <strong>Aphidoidea</strong></td>
</tr>
<tr>
<td>1818</td>
<td>Rafinesque</td>
<td><em>Adactynus</em></td>
<td>objectively valid, nomen dubium</td>
<td></td>
</tr>
<tr>
<td>1818</td>
<td>Rafinesque</td>
<td><em>Dactynotus</em></td>
<td>objectively valid, nomen dubium</td>
<td></td>
</tr>
<tr>
<td>1818</td>
<td>Rafinesque</td>
<td><em>Loxerates</em></td>
<td>objectively valid, nomen dubium</td>
<td></td>
</tr>
<tr>
<td>1826</td>
<td>Leach</td>
<td><em>Doralis</em></td>
<td>suppressed by the I.C.Z.N.</td>
<td></td>
</tr>
<tr>
<td>1827</td>
<td>Berthold</td>
<td><em>Myzoxylon</em></td>
<td>junior subjective synonym of <em>Eriosoma</em></td>
<td></td>
</tr>
<tr>
<td>1831</td>
<td>Blot</td>
<td><em>Myzoxylus</em></td>
<td>junior objective synonym of <em>Myzoxylon</em></td>
<td></td>
</tr>
<tr>
<td>1835</td>
<td>Burmeister</td>
<td><em>Lachnus</em></td>
<td>valid</td>
<td>oldest genus of <strong>Lachninae</strong></td>
</tr>
<tr>
<td>1835</td>
<td>Burmeister</td>
<td><em>Rhizobius</em></td>
<td>suppressed by the I.C.Z.N.</td>
<td></td>
</tr>
<tr>
<td>1835</td>
<td>Curtis</td>
<td><em>Cinara</em></td>
<td>valid</td>
<td></td>
</tr>
<tr>
<td>1837</td>
<td>von Heyden</td>
<td><em>Forda</em></td>
<td>valid</td>
<td></td>
</tr>
<tr>
<td>1837</td>
<td>von Heyden</td>
<td><em>Paracletus</em></td>
<td>valid</td>
<td></td>
</tr>
<tr>
<td>1839</td>
<td>von Heyden</td>
<td><em>Trama</em></td>
<td>valid</td>
<td></td>
</tr>
<tr>
<td>1837</td>
<td>Zetterstedt</td>
<td><em>Leptopteryx</em></td>
<td>junior homonym, replaced by <em>Euceraphis Walker, 1870</em></td>
<td>oldest genus of <strong>Calaphidinae</strong></td>
</tr>
<tr>
<td>1838</td>
<td>Haliday</td>
<td><em>Atheroides</em></td>
<td>valid</td>
<td>oldest genus of <strong>Chaitophorinae</strong></td>
</tr>
<tr>
<td>1838</td>
<td>Haliday</td>
<td><em>Byrsocrypta</em></td>
<td>invalidated under Plenary Powers of I.C.Z.N.</td>
<td></td>
</tr>
<tr>
<td>1839</td>
<td>Hartig</td>
<td><em>Pemphigus</em></td>
<td>valid</td>
<td></td>
</tr>
<tr>
<td>Year</td>
<td>Author</td>
<td>Available taxon</td>
<td>Current status</td>
<td>Additional information</td>
</tr>
<tr>
<td>------</td>
<td>--------------</td>
<td>-----------------</td>
<td>---------------------------------------------------------------</td>
<td>----------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>1839</td>
<td>Hartig</td>
<td><em>Schizoneura</em></td>
<td>junior subjective synonym of <em>Eriosoma</em></td>
<td></td>
</tr>
<tr>
<td>1840</td>
<td>van der Hoeven</td>
<td><em>Rhizosphiridium</em></td>
<td>junior subjective synonym of <em>Pemphigus</em></td>
<td></td>
</tr>
<tr>
<td>1840</td>
<td>Westwood</td>
<td><em>Brysocrypta</em></td>
<td>invalidated under Plenary Powers by I.C.Z.N.</td>
<td></td>
</tr>
<tr>
<td>1840</td>
<td>Westwood</td>
<td><em>Thelaxes</em></td>
<td>valid</td>
<td>oldest genus of <em>Thelaxinae</em></td>
</tr>
<tr>
<td>1841</td>
<td>Hartig</td>
<td><em>Rhizoterus</em></td>
<td>junior subjective synonym of <em>Forda</em></td>
<td></td>
</tr>
<tr>
<td>1841</td>
<td>Hartig</td>
<td><em>Tetraneura</em></td>
<td>valid</td>
<td></td>
</tr>
<tr>
<td>1841</td>
<td>Hartig</td>
<td><em>Rhizoterus</em></td>
<td>junior subjective synonym of <em>Forda</em></td>
<td></td>
</tr>
<tr>
<td>1841</td>
<td>Hartig</td>
<td><em>Tetraneura</em></td>
<td>valid</td>
<td></td>
</tr>
<tr>
<td>1848</td>
<td>Rodani</td>
<td><em>Aphioides</em></td>
<td>junior objective synonym of <em>Pemphigus</em></td>
<td></td>
</tr>
<tr>
<td>1848</td>
<td>Rodani</td>
<td><em>Baizongia</em></td>
<td>valid</td>
<td></td>
</tr>
<tr>
<td>1848</td>
<td>Rodani</td>
<td><em>Mimaphidius</em></td>
<td>junior subjective synonym of <em>Eriosoma</em></td>
<td></td>
</tr>
<tr>
<td>1848</td>
<td>Rodani</td>
<td><em>Pteroclorus</em></td>
<td>junior objective synonym of <em>Lachnus</em></td>
<td></td>
</tr>
<tr>
<td>1849</td>
<td>Westwood</td>
<td><em>Smynthurodes</em></td>
<td>valid</td>
<td></td>
</tr>
<tr>
<td>1852</td>
<td>Fernie</td>
<td><em>Phyllophora</em></td>
<td>junior homonym, replaced by <em>Periphyllus</em> van der Hoeven, 1863</td>
<td></td>
</tr>
<tr>
<td>1853</td>
<td>Thorton</td>
<td><em>Philophorus</em></td>
<td>nomen oblitum, replaced by <em>Periphyllus</em> van der Hoeven, 1863</td>
<td></td>
</tr>
<tr>
<td>1854</td>
<td>Koch</td>
<td><em>Chaitophorus</em></td>
<td>valid</td>
<td></td>
</tr>
<tr>
<td>1854</td>
<td>Koch</td>
<td><em>Hyalopterus</em></td>
<td>valid</td>
<td></td>
</tr>
<tr>
<td>1854</td>
<td>Koch</td>
<td><em>Rhopalosipham</em></td>
<td>valid</td>
<td></td>
</tr>
<tr>
<td>1855</td>
<td>Koch</td>
<td><em>Callipterus</em></td>
<td>junior homonym, replaced by <em>Panaphis Kirkaldy, 1904</em></td>
<td>oldest genus of <em>Drepanosiphinae</em></td>
</tr>
<tr>
<td>1855</td>
<td>Koch</td>
<td><em>Drepanosipham</em></td>
<td>valid</td>
<td></td>
</tr>
<tr>
<td>1855</td>
<td>Koch</td>
<td><em>Dryobius</em></td>
<td>junior objective synonym of <em>Lachnus</em></td>
<td></td>
</tr>
<tr>
<td>1855</td>
<td>Koch</td>
<td><em>Siphonophora</em></td>
<td>junior homonym, replaced by *Macrosiphum Passerini, 1860</td>
<td></td>
</tr>
<tr>
<td>1856</td>
<td>Koch</td>
<td><em>Asiphum</em></td>
<td>junior subjective synonym of <em>Pachypappa</em></td>
<td></td>
</tr>
<tr>
<td>Year</td>
<td>Author</td>
<td>Available taxon</td>
<td>Current status</td>
<td>Additional information</td>
</tr>
<tr>
<td>-------</td>
<td>-------------</td>
<td>-----------------</td>
<td>-------------------------------------</td>
<td>-----------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>1856</td>
<td>Koch</td>
<td>Cladobius</td>
<td>junior homonym, replaced by Pterocomma Buckton, 1879</td>
<td></td>
</tr>
<tr>
<td>1856</td>
<td>Koch</td>
<td>Glyphina</td>
<td>valid</td>
<td></td>
</tr>
<tr>
<td>1856</td>
<td>Koch</td>
<td>Pachypappa</td>
<td>valid</td>
<td></td>
</tr>
<tr>
<td>1856</td>
<td>Koch</td>
<td>Phyllaphis</td>
<td>valid</td>
<td>oldest genus of PHYLLAPHIDINAE</td>
</tr>
<tr>
<td>1856</td>
<td>Koch</td>
<td>Toxoptera</td>
<td>valid</td>
<td></td>
</tr>
<tr>
<td>1857</td>
<td>Hartig</td>
<td>Rhizomaria</td>
<td>junior subjective synonym of Pachypappa Koch, 1856</td>
<td></td>
</tr>
<tr>
<td>1857</td>
<td>Koch</td>
<td>Amycla</td>
<td>junior homonym, replaced by Tetrameura Hartig, 1841</td>
<td></td>
</tr>
<tr>
<td>1857</td>
<td>Koch</td>
<td>Anoecia</td>
<td>valid</td>
<td>oldest genus of ANOECHINAE</td>
</tr>
<tr>
<td>1857</td>
<td>Koch</td>
<td>Endeis</td>
<td>junior homonym, replaced by Dryopedia Kirkaldy, 1904</td>
<td></td>
</tr>
<tr>
<td>1857</td>
<td>Koch</td>
<td>Mindarus</td>
<td>valid</td>
<td>oldest genus of MINDARINAE</td>
</tr>
<tr>
<td>1857</td>
<td>Koch</td>
<td>Prociphilus</td>
<td>valid</td>
<td></td>
</tr>
<tr>
<td>1857</td>
<td>Koch</td>
<td>Stagona</td>
<td>valid</td>
<td></td>
</tr>
<tr>
<td>1857</td>
<td>Koch</td>
<td>Thecabius</td>
<td>valid</td>
<td></td>
</tr>
<tr>
<td>1857</td>
<td>Koch</td>
<td>Thychea</td>
<td>objectively valid name, nomen dubium</td>
<td></td>
</tr>
<tr>
<td>1857</td>
<td>Motschulsky</td>
<td>Aphidioides</td>
<td>objectively valid name, nomen dubium</td>
<td>the first genus established for an extinct species</td>
</tr>
</tbody>
</table>
### Table G-2. Number of genus-group taxa proposed from 1758 through 2010, grouped by decade after 1831.

### Tabla G-2. Taxones del nivel género establecidos desde 1758 hasta 2010, agrupados por décadas desde 1831.

<table>
<thead>
<tr>
<th>Period / decade</th>
<th>Total number</th>
<th>Percentage of total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1758—1830</td>
<td>7</td>
<td>0.57</td>
</tr>
<tr>
<td>1831—1840</td>
<td>16</td>
<td>1.31</td>
</tr>
<tr>
<td>1841—1850</td>
<td>6</td>
<td>0.49</td>
</tr>
<tr>
<td>1851—1860</td>
<td>36</td>
<td>2.95</td>
</tr>
<tr>
<td>1861—1870</td>
<td>18</td>
<td>1.48</td>
</tr>
<tr>
<td>1871—1880</td>
<td>9</td>
<td>0.74</td>
</tr>
<tr>
<td>1881—1890</td>
<td>27</td>
<td>2.21</td>
</tr>
<tr>
<td>1891—1900</td>
<td>15</td>
<td>1.23</td>
</tr>
<tr>
<td>1901—1910</td>
<td>44</td>
<td>3.61</td>
</tr>
<tr>
<td>1911—1920</td>
<td>161</td>
<td>13.20</td>
</tr>
<tr>
<td>1921—1930</td>
<td>131</td>
<td>10.74</td>
</tr>
<tr>
<td>1931—1940</td>
<td>92</td>
<td>7.54</td>
</tr>
<tr>
<td>1941—1950</td>
<td>80</td>
<td>6.56</td>
</tr>
<tr>
<td>1951—1960</td>
<td>139</td>
<td>11.39</td>
</tr>
<tr>
<td>1971—1980</td>
<td>92</td>
<td>7.54</td>
</tr>
<tr>
<td>1981—1990</td>
<td>54</td>
<td>4.43</td>
</tr>
<tr>
<td>1991—2000</td>
<td>77</td>
<td>6.31</td>
</tr>
<tr>
<td>2001—2010</td>
<td>56</td>
<td>4.59</td>
</tr>
<tr>
<td>1758—2010</td>
<td>1,220</td>
<td>100</td>
</tr>
</tbody>
</table>
**Figure G-2.** Number of genus-group taxa proposed from 1758 through 2010, grouped by decade after 1831.

**Figura G-2.** Taxones del nivel género establecidos desde 1758 hasta 2010. agrupados por décadas desde 1831.
### Table G-3. Authors (alone or as co-authors) of available genus-group taxa.

<table>
<thead>
<tr>
<th>Authors (alone or as co-authors) of available genus-group taxa</th>
<th>Autore (singolare o multiple) di taxoni del livello genere disponibili.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adams &amp; Raychaudhuri</td>
<td>Ghosh (A.K.) &amp; Quednau</td>
</tr>
<tr>
<td>Agarwala, Mondal &amp; Raychaudhuri (D.N.)</td>
<td>Ghosh (A.K.) &amp; Raychaudhuri (D.N.)</td>
</tr>
<tr>
<td>Aizenberg &amp; Mandal</td>
<td>Ghosh (A.K.) &amp; Verma</td>
</tr>
<tr>
<td>Altum Chang</td>
<td>Ghosh (A.K.), Basu (R.C.)</td>
</tr>
<tr>
<td>Andreev Cholodkovsky &amp; Raychaudhuri</td>
<td>(D.N.)</td>
</tr>
<tr>
<td>Ansorge Clarke</td>
<td></td>
</tr>
<tr>
<td>Aoki, Kurosu &amp; Fukatsu Chang</td>
<td>Ghosh (A.K.), Basu (R.C.)</td>
</tr>
<tr>
<td>Baker (A.C.) Cottier</td>
<td>Ghosh (M.R.) &amp; Raychaudhuri (D.N.)</td>
</tr>
<tr>
<td>Barbagallo Curtis</td>
<td>Ghosh (L.K.)</td>
</tr>
<tr>
<td>Barbagallo &amp; Patti Danielsson</td>
<td></td>
</tr>
<tr>
<td>Basu (A.N.) Das (B.)</td>
<td>Ghosh (M.R.), Basu (R.C.)</td>
</tr>
<tr>
<td>Basu (A.N.) &amp; Hille Ris Lambers Remaudière &amp; Raychaudhuri (D.N.)</td>
<td></td>
</tr>
<tr>
<td>Basu (R.C.), Ghosh (M.R.) &amp; Raychaudhuri (D.N.)</td>
<td></td>
</tr>
<tr>
<td>Becker-Migdisova David &amp; Davatchi, Hille Ris Lambers &amp; Raychaudhuri (D.N.)</td>
<td>Ghosh (M.R.), Pal &amp; Raychaudhuri (D.N.)</td>
</tr>
<tr>
<td>Behura &amp; Dash David, Rajasingh &amp; Narayanan</td>
<td></td>
</tr>
<tr>
<td>Berthold           Davis &amp; Glendenning</td>
<td></td>
</tr>
<tr>
<td>Blot Del Guercio</td>
<td></td>
</tr>
<tr>
<td>Börner Doncaster</td>
<td></td>
</tr>
<tr>
<td>Bozhko Doncaster &amp; Stroyan</td>
<td></td>
</tr>
<tr>
<td>Bramstedt Drews</td>
<td></td>
</tr>
<tr>
<td>Buckton Dzhibladze</td>
<td></td>
</tr>
<tr>
<td>Burmeister Eastop</td>
<td></td>
</tr>
<tr>
<td>Calilung Essig</td>
<td></td>
</tr>
<tr>
<td>Carver Essig &amp; Kuwana</td>
<td></td>
</tr>
<tr>
<td>Carver &amp; Martyn Fernie</td>
<td></td>
</tr>
<tr>
<td>Chakrabarti Ferrari</td>
<td></td>
</tr>
<tr>
<td>Chakrabarti &amp; Bhattacharya Frison &amp; Ross</td>
<td></td>
</tr>
<tr>
<td>Chakrabarti &amp; Maity Gaumont</td>
<td></td>
</tr>
<tr>
<td>Chakrabarti &amp; Quednau Ghosh (A.K.), Chakrabarti.</td>
<td></td>
</tr>
<tr>
<td>Chakrabarti &amp; Raha Chowdhuri &amp; Hille Ris Lambers</td>
<td></td>
</tr>
<tr>
<td>Chakrabarti, Ghosh (A.K.) Raychaudhuri (D.N.)</td>
<td></td>
</tr>
</tbody>
</table>
### Registers of family-group and genus-group taxa of Aphiidoidea (Hemiptera Sternorrhyncha)

<table>
<thead>
<tr>
<th>Name</th>
<th>Author(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hille Ris Lambers &amp; Hottes</td>
<td>MacVicar Baker</td>
</tr>
<tr>
<td>Hille Ris Lambers &amp; Rogerson</td>
<td>Mamontova &amp; Kolomoets</td>
</tr>
<tr>
<td>Holman</td>
<td>Mamontova / Mamontova-Solukha</td>
</tr>
<tr>
<td>Holman &amp; Szelegiewicz</td>
<td>Manheim</td>
</tr>
<tr>
<td>Hong</td>
<td>Martelli</td>
</tr>
<tr>
<td>Hong &amp; Wang</td>
<td>Mason</td>
</tr>
<tr>
<td>Horváth</td>
<td>Matsumura</td>
</tr>
<tr>
<td>Hottes</td>
<td>Matsumura &amp; Hori</td>
</tr>
<tr>
<td>Hottes &amp; Frison</td>
<td>Maxson &amp; Hottes</td>
</tr>
<tr>
<td>Hottes &amp; Wehrle</td>
<td>Menon &amp; Pawar</td>
</tr>
<tr>
<td>Huculak</td>
<td>Mier Durante, Nieto Nafria &amp; Ortego</td>
</tr>
<tr>
<td>Ivanovskaja / Ivanovskaja-Shubina</td>
<td>Mier Durante, Ortego &amp; Nieto Nafria</td>
</tr>
<tr>
<td>Jensen &amp; Stoetzel</td>
<td>Miereur</td>
</tr>
<tr>
<td>Kadyrbekov</td>
<td>Miyazaki</td>
</tr>
<tr>
<td>Kadyrbekov. Renxin &amp; Shao</td>
<td>Monell</td>
</tr>
<tr>
<td>Karsch</td>
<td>Monzen</td>
</tr>
<tr>
<td>Kirkaldy</td>
<td>Mordvilko</td>
</tr>
<tr>
<td>Klodnitsky</td>
<td>Motchulsky</td>
</tr>
<tr>
<td>Knowlton</td>
<td>Mukhamediev</td>
</tr>
<tr>
<td>Knowlton &amp; Allen</td>
<td>Müller (F.P.)</td>
</tr>
<tr>
<td>Knowlton &amp; Ma</td>
<td>Narzikulov</td>
</tr>
<tr>
<td>Knowlton &amp; Roberts</td>
<td>Narzikulov &amp; Daniyarova</td>
</tr>
<tr>
<td>Koch</td>
<td>Narzikulov &amp; Mukhamediev</td>
</tr>
<tr>
<td>Kononova</td>
<td>Narzikulov &amp; Smailova</td>
</tr>
<tr>
<td>Kumar &amp; Burkhardt</td>
<td>Nevsky</td>
</tr>
<tr>
<td>Kumar &amp; Lavigne</td>
<td>Noordam</td>
</tr>
<tr>
<td>Laing</td>
<td>Oestlund</td>
</tr>
<tr>
<td>Leach</td>
<td>Olive</td>
</tr>
<tr>
<td>Leclant</td>
<td>Ortego</td>
</tr>
<tr>
<td>Lee (S.H.)</td>
<td>Ortego, Nieto Nafria &amp; Mier Durante</td>
</tr>
<tr>
<td>Liao</td>
<td>Ossiannilsson</td>
</tr>
<tr>
<td>Lichtenstein</td>
<td>Osten-Sacken</td>
</tr>
<tr>
<td>Lin</td>
<td>Paik</td>
</tr>
<tr>
<td>Linnaeus</td>
<td>Pal &amp; Raychaudhuri (D.N.)</td>
</tr>
<tr>
<td>Macchiati</td>
<td>Pal &amp; Raychaudhuri (D.N.)</td>
</tr>
<tr>
<td>MacGillivray</td>
<td>Pashchenko</td>
</tr>
<tr>
<td>MacGillivray &amp; Bradley</td>
<td>Passerini</td>
</tr>
<tr>
<td>Passerini</td>
<td>Patch</td>
</tr>
<tr>
<td>Pergande</td>
<td>Pintera</td>
</tr>
<tr>
<td>Poinar &amp; Brown</td>
<td>Pramanick. Samanta &amp; Raychaudhuri (D.)</td>
</tr>
<tr>
<td>Qiao &amp; Zhang (G.-x.)</td>
<td>Quednau</td>
</tr>
<tr>
<td>Quednau &amp; Barbagallo</td>
<td>Quednau &amp; Chakrabarti</td>
</tr>
<tr>
<td>Quednau &amp; Remaudière</td>
<td>Quednau &amp; Shaposhnikov</td>
</tr>
<tr>
<td>Rafinesque</td>
<td>Raychaudhuri (D.N.)</td>
</tr>
<tr>
<td>Raychaudhuri (D.N.) &amp; Chatterjee</td>
<td>Raychaudhuri (D.N.) &amp; Ghosh (A.K.)</td>
</tr>
<tr>
<td>Raychaudhuri (D.N.) &amp; Pal</td>
<td>Raychaudhuri (D.N.), Ghosh (L.K.) &amp; Das (S.K.)</td>
</tr>
<tr>
<td>Raychaudhuri (D.N.), Ghosh (M.R.) &amp; Basu</td>
<td>Raychaudhuri (D.N.), Ghosh (M.R.)</td>
</tr>
<tr>
<td>Raychaudhuri (D.N.), Ghosh (M.R.). Banerjee (M.) &amp; Ghosh (A.K.)</td>
<td>Remaudière</td>
</tr>
<tr>
<td>Remaudière &amp; Davatchi</td>
<td>Remaudière &amp; Quednau</td>
</tr>
<tr>
<td>Remaudière &amp; Tao</td>
<td>Ren, Lu &amp; Ji</td>
</tr>
<tr>
<td>Richards</td>
<td>Robinson</td>
</tr>
<tr>
<td>Rondani</td>
<td>Rübsaamen</td>
</tr>
<tr>
<td>Rübsaamen</td>
<td>Rusanova</td>
</tr>
<tr>
<td>Autor(a)</td>
<td>Autor(a)</td>
</tr>
<tr>
<td>--------------------------------</td>
<td>--------------------------------</td>
</tr>
<tr>
<td>Sanborn</td>
<td>van der Goot</td>
</tr>
<tr>
<td>Schouteden</td>
<td>van der Hoeven</td>
</tr>
<tr>
<td>Schumacher</td>
<td>van Harten &amp; Ilharco</td>
</tr>
<tr>
<td>Scudder</td>
<td>Verma</td>
</tr>
<tr>
<td>Shaposhnikov</td>
<td>von Heyden</td>
</tr>
<tr>
<td>Shaposhnikov &amp; Gabrid</td>
<td>Walker</td>
</tr>
<tr>
<td>Shaposhnikov &amp; Wegierek</td>
<td>Walsh</td>
</tr>
<tr>
<td>Shimer</td>
<td>Wang</td>
</tr>
<tr>
<td>Shinji</td>
<td>Wegierek</td>
</tr>
<tr>
<td>Signoret</td>
<td>Weswood</td>
</tr>
<tr>
<td>Silvestri</td>
<td>Wilson</td>
</tr>
<tr>
<td>Singh &amp; Raychaudhuri</td>
<td>Wilson &amp; Davis</td>
</tr>
<tr>
<td>(D.N.)</td>
<td>Wojciechowski</td>
</tr>
<tr>
<td>Smith</td>
<td>Wood-Baker</td>
</tr>
<tr>
<td>Smith &amp; Heie</td>
<td>Yuan &amp; Xue</td>
</tr>
<tr>
<td>Smith &amp; Pepper</td>
<td>Zehntner</td>
</tr>
<tr>
<td>Soliman</td>
<td>Zetterstedt</td>
</tr>
<tr>
<td>Sorensen</td>
<td>Zhang (G.-x.)</td>
</tr>
<tr>
<td>Sorin</td>
<td>Zhang (G.-x.) &amp; Hong</td>
</tr>
<tr>
<td>Sousa-Silva &amp; Ilharco</td>
<td>Zhang (G.-x.) &amp; Qiao</td>
</tr>
<tr>
<td>Stekolshchikov &amp; Qiao</td>
<td>Zhang (G.-x.) &amp; Zhong</td>
</tr>
<tr>
<td>Strand</td>
<td>Zhang (G.-x.), Chen, Zhong</td>
</tr>
<tr>
<td>Strom</td>
<td>Zhang (G.-x.), Qiao &amp; Chen</td>
</tr>
<tr>
<td>Stromy</td>
<td>Zhang (G.-x.), Qiao &amp; Li</td>
</tr>
<tr>
<td>Suenaga</td>
<td>Zhang (G.-x.), Zhong &amp; Qiao</td>
</tr>
<tr>
<td>Sunde</td>
<td>Zhang (G.-x.), Zhong &amp; Qiao</td>
</tr>
<tr>
<td>Swain</td>
<td>Zhang (G.-x.), Zhong &amp; Qiao</td>
</tr>
<tr>
<td>Szelegiewicz</td>
<td>Zhang (G.-x.), Zhong &amp; Qiao</td>
</tr>
<tr>
<td>Szépligeti</td>
<td>Zhang (W.-y.)</td>
</tr>
<tr>
<td>Takagi</td>
<td>Zhang (J.-f.), Sun &amp; Zhang</td>
</tr>
<tr>
<td>Takahashi</td>
<td>Zhang (J.-f.), Zhang (S.)</td>
</tr>
<tr>
<td>Tao</td>
<td>Hou &amp; Ma</td>
</tr>
<tr>
<td>Tashev</td>
<td>Zhang (L.) &amp; Zhang (G.-x.)</td>
</tr>
<tr>
<td>Theobald</td>
<td>Zhang (W.-y.) &amp; Zhang (G.-x.)</td>
</tr>
<tr>
<td>Thornton</td>
<td>Zhang (W.-y.) &amp; Zhang (G.-x.)</td>
</tr>
<tr>
<td>Tsai &amp; Tang</td>
<td>Zwölfer</td>
</tr>
<tr>
<td>Tseng &amp; Tao</td>
<td>Zhang (G.-x.) &amp; Zhong &amp; Qiao</td>
</tr>
<tr>
<td>Tullgren</td>
<td>Zhang (G.-x.), Qiao &amp; Chen</td>
</tr>
<tr>
<td>Umarov</td>
<td>Zhang (G.-x.), Qiao &amp; Chen</td>
</tr>
<tr>
<td>Umarov &amp; Ibramova</td>
<td>Zhang (G.-x.), Qiao &amp; Chen</td>
</tr>
<tr>
<td>Authority</td>
<td>Total number of names (Subgenera)</td>
</tr>
<tr>
<td>---------------------------------</td>
<td>-----------------------------------</td>
</tr>
<tr>
<td>Börner, Carl</td>
<td>99 (21)</td>
</tr>
<tr>
<td>Hille Ris Lambers, Dick</td>
<td>69 (18)</td>
</tr>
<tr>
<td>Mordvilko, Aleksandr Konstantinovich</td>
<td>59 (6)</td>
</tr>
<tr>
<td>Matsumura, Shonen</td>
<td>35</td>
</tr>
<tr>
<td>van der Goot, Pieter</td>
<td>33</td>
</tr>
<tr>
<td>Del Guercio, Giacomo</td>
<td>32 (2)</td>
</tr>
<tr>
<td>Shinji, George Orihei</td>
<td>32</td>
</tr>
<tr>
<td>Quednau, Franz Wolfgang</td>
<td>30 (10)</td>
</tr>
<tr>
<td>Hong, Youchong</td>
<td>23</td>
</tr>
<tr>
<td>Koch, Carl Ludwig</td>
<td>21</td>
</tr>
<tr>
<td>Tao, Charles Chia-chu</td>
<td>20</td>
</tr>
<tr>
<td>Authority</td>
<td>Total number of names (Subgenera)</td>
</tr>
<tr>
<td>---------------------------------</td>
<td>-----------------------------------</td>
</tr>
<tr>
<td>Theobald, Fred Vincent</td>
<td>18</td>
</tr>
<tr>
<td>Oestlund, Oscar William</td>
<td>17</td>
</tr>
<tr>
<td>Buckton, George Bowdler</td>
<td>14</td>
</tr>
<tr>
<td>Qiao, Ge-xia</td>
<td>14 (2)</td>
</tr>
<tr>
<td>Baker, Arthur Challen</td>
<td>13</td>
</tr>
<tr>
<td>Essig, Edward Oliver</td>
<td>13</td>
</tr>
<tr>
<td>Nevsky, Valerian Pavlovitch</td>
<td>12</td>
</tr>
<tr>
<td>Method</td>
<td>Number</td>
</tr>
<tr>
<td>-----------------------------------------------------------------------</td>
<td>--------</td>
</tr>
<tr>
<td>By designation under the plenary powers by the International Commission on Zoological Nomenclature</td>
<td>6</td>
</tr>
<tr>
<td>By monotopy</td>
<td>122</td>
</tr>
<tr>
<td>By monotopy and actuation of Nieto Nafrí et al. (2010: 67) under the Article 70.3.2 of the ICZN</td>
<td>6</td>
</tr>
<tr>
<td>By original designation</td>
<td>953</td>
</tr>
<tr>
<td>By original designation and application of the Articles 11.10 and 67.13 of the ICZN</td>
<td>1</td>
</tr>
<tr>
<td>By original designation and application of the Article 11.6.1 of the ICZN</td>
<td>1</td>
</tr>
<tr>
<td>By original designation and actuation of Nieto Nafrí et al. (2010: 67) under the Article 70.3.1 or 70.3.2 of the ICZN</td>
<td>2</td>
</tr>
<tr>
<td>By subsequent monotypy</td>
<td>2</td>
</tr>
<tr>
<td>By subsequent designation</td>
<td>59</td>
</tr>
<tr>
<td>By subsequent designation and validation under plenary powers by the International Commission on Zoological Nomenclature</td>
<td>1</td>
</tr>
<tr>
<td>By subsequent designation and actuation of Nieto Nafrí et al. (2010: 67) under the Article 70.3.2 of the ICZN</td>
<td>3</td>
</tr>
<tr>
<td>Denoted by new replacement name</td>
<td>46</td>
</tr>
<tr>
<td>Denoted by new unjustified emendation</td>
<td>7</td>
</tr>
</tbody>
</table>
### Tabla G-6. Autores de géneros más prolíficos, al menos del 1% de los géneros válidos objetivos.

<table>
<thead>
<tr>
<th>Autor</th>
<th>Nombres disponibles</th>
<th>Nombres objetivamente inválidos</th>
<th>Nombres objetivamente válidos</th>
<th>Nombres subjetivamente inválidos</th>
<th>Nombres subjetivamente válidos</th>
</tr>
</thead>
<tbody>
<tr>
<td>Börner, Carl</td>
<td>99</td>
<td>13</td>
<td>86</td>
<td>49</td>
<td>37</td>
</tr>
<tr>
<td>Hille Ris Lambers, Dick</td>
<td>69</td>
<td>1</td>
<td>68</td>
<td>12</td>
<td>56</td>
</tr>
<tr>
<td>Takahashi, Ryoichi</td>
<td>62</td>
<td>0</td>
<td>62</td>
<td>12</td>
<td>50</td>
</tr>
<tr>
<td>Mordvilko, Aleksandr Konstantinovich</td>
<td>59</td>
<td>8</td>
<td>51</td>
<td>15</td>
<td>36</td>
</tr>
<tr>
<td>Heie, Ole Engel</td>
<td>50</td>
<td>0</td>
<td>50</td>
<td>2</td>
<td>48</td>
</tr>
<tr>
<td>Zhang, Guang-xue</td>
<td>46</td>
<td>2</td>
<td>44</td>
<td>22</td>
<td>23</td>
</tr>
<tr>
<td>Raychaudhuri, Dihendra Nath</td>
<td>46</td>
<td>4</td>
<td>42</td>
<td>27</td>
<td>15</td>
</tr>
<tr>
<td>Matsumura, Shonen</td>
<td>35</td>
<td>1</td>
<td>34</td>
<td>17</td>
<td>17</td>
</tr>
<tr>
<td>Shinji, George Orihei</td>
<td>32</td>
<td>3</td>
<td>29</td>
<td>21</td>
<td>8</td>
</tr>
<tr>
<td>Quednau, Franz Wolfgang</td>
<td>30</td>
<td>2</td>
<td>28</td>
<td>4</td>
<td>24</td>
</tr>
<tr>
<td>Shaposhnikov, Georgii Khrisoforovitch</td>
<td>29</td>
<td>1</td>
<td>28</td>
<td>10</td>
<td>18</td>
</tr>
<tr>
<td>Del Guercio, Giacomo</td>
<td>32</td>
<td>4</td>
<td>28</td>
<td>15</td>
<td>13</td>
</tr>
<tr>
<td>van der Goot, Pieter</td>
<td>33</td>
<td>8</td>
<td>25</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>Hong, Youchong</td>
<td>22</td>
<td>1</td>
<td>21</td>
<td>0</td>
<td>21</td>
</tr>
<tr>
<td>Remaudière, Georges</td>
<td>21</td>
<td>0</td>
<td>21</td>
<td>3</td>
<td>18</td>
</tr>
<tr>
<td>Tao, Charles Chia-chu</td>
<td>20</td>
<td>1</td>
<td>19</td>
<td>5</td>
<td>14</td>
</tr>
<tr>
<td>Author</td>
<td>Number of available names</td>
<td>Number of objectively invalid names</td>
<td>Number of objectively valid names</td>
<td>Number of subjectively invalid names</td>
<td>Number of subjectively valid names</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>----------------------------</td>
<td>-------------------------------------</td>
<td>-----------------------------------</td>
<td>--------------------------------------</td>
<td>-----------------------------------</td>
</tr>
<tr>
<td>Ghosh, Ashis Kumar</td>
<td>20</td>
<td>1</td>
<td>19</td>
<td>11</td>
<td>8</td>
</tr>
<tr>
<td>Koch, Carl Ludwig</td>
<td>21</td>
<td>6</td>
<td>15</td>
<td>1</td>
<td>14</td>
</tr>
<tr>
<td>Basu, Adya Nath</td>
<td>12</td>
<td>0</td>
<td>12</td>
<td>0</td>
<td>12</td>
</tr>
<tr>
<td>Richards, William Robin</td>
<td>14</td>
<td>0</td>
<td>14</td>
<td>2</td>
<td>12</td>
</tr>
<tr>
<td>Oestlund, Oscar William</td>
<td>17</td>
<td>3</td>
<td>14</td>
<td>2</td>
<td>12</td>
</tr>
<tr>
<td>Theobald, Fred Vincent</td>
<td>18</td>
<td>1</td>
<td>17</td>
<td>6</td>
<td>11</td>
</tr>
<tr>
<td>Wegierek, Piotr</td>
<td>11</td>
<td>0</td>
<td>11</td>
<td>0</td>
<td>11</td>
</tr>
<tr>
<td>Narzikulov, Muchamedkul</td>
<td>15</td>
<td>1</td>
<td>14</td>
<td>4</td>
<td>10</td>
</tr>
<tr>
<td>Zhong, Tie-sen</td>
<td>13</td>
<td>0</td>
<td>13</td>
<td>9</td>
<td>4</td>
</tr>
<tr>
<td>Qiao, Ge-xia</td>
<td>14</td>
<td>2</td>
<td>12</td>
<td>2</td>
<td>10</td>
</tr>
<tr>
<td>Nevsky, Valerian Pavlovitch</td>
<td>12</td>
<td>0</td>
<td>12</td>
<td>5</td>
<td>7</td>
</tr>
<tr>
<td>Chakrabarti, Samiran</td>
<td>13</td>
<td>1</td>
<td>12</td>
<td>5</td>
<td>7</td>
</tr>
<tr>
<td>Buckton, George Bowdler</td>
<td>14</td>
<td>2</td>
<td>12</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Chen, Xiao-lin</td>
<td>12</td>
<td>0</td>
<td>12</td>
<td>9</td>
<td>3</td>
</tr>
<tr>
<td>Ghosh, Manoj Ranjan</td>
<td>19</td>
<td>4</td>
<td>15</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Essig, Edward Oliver</td>
<td>13</td>
<td>2</td>
<td>11</td>
<td>2</td>
<td>9</td>
</tr>
</tbody>
</table>
**Table G-7.** Taxonomic placement of subjectively valid genus-group level taxa (genera and subgenera, but not including nominotypical subgenera) within family-group level taxa (superfamily, family, subfamily, tribe, and subtribe), following the extended classification of Remaudière, Stroyan, and Quednau.

<table>
<thead>
<tr>
<th>Family-group taxon</th>
<th>Number of genus-group taxa</th>
<th>Percentage of total</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>APHIDOIDEA (total)</strong></td>
<td>773</td>
<td>100</td>
</tr>
<tr>
<td>APHIDOIDEA incertae sedis</td>
<td>3</td>
<td>0.39</td>
</tr>
<tr>
<td>CANADAPHIDIDAE</td>
<td>4</td>
<td>0.52</td>
</tr>
<tr>
<td>CRETAMYZIDAE</td>
<td>1</td>
<td>0.13</td>
</tr>
<tr>
<td>DREPANOCHAITOPHORIDAE</td>
<td>1</td>
<td>0.13</td>
</tr>
<tr>
<td>OVIPAROSIPHIDAE</td>
<td>11</td>
<td>1.42</td>
</tr>
<tr>
<td>PARVAVERRUCOSIDAE</td>
<td>1</td>
<td>0.13</td>
</tr>
<tr>
<td>SINAPHIDIDAE</td>
<td>2</td>
<td>0.26</td>
</tr>
<tr>
<td><strong>APHIDIDAE (total)</strong></td>
<td>750</td>
<td>97.02</td>
</tr>
<tr>
<td>APHIDIDAE (incertae sedis)</td>
<td>6</td>
<td>0.78</td>
</tr>
<tr>
<td>APHIDIDAE (incertae sedis in part: drepanosiphine complex)</td>
<td>12</td>
<td>1.55</td>
</tr>
<tr>
<td>APHIDIDAE nomen dubium [an aphid or a coccid]</td>
<td>1</td>
<td>0.13</td>
</tr>
<tr>
<td>AICEONINAE</td>
<td>2</td>
<td>0.26</td>
</tr>
<tr>
<td>ANOEICINAE</td>
<td>5</td>
<td>0.65</td>
</tr>
<tr>
<td><strong>APHIDINAE (total)</strong></td>
<td>352</td>
<td>45.54</td>
</tr>
<tr>
<td>APHIDINAE incertae sedis</td>
<td>7</td>
<td>0.91</td>
</tr>
<tr>
<td>APHIDINI APHIDINA</td>
<td>30</td>
<td>3.88</td>
</tr>
<tr>
<td>APHIDINI RHOPALOSIPHINAE</td>
<td>11</td>
<td>1.42</td>
</tr>
<tr>
<td>APHIDINAE MACROSIPHINI</td>
<td>304</td>
<td>39.33</td>
</tr>
<tr>
<td><strong>BALTICHAITOPHORINAE</strong></td>
<td>1</td>
<td>0.13</td>
</tr>
<tr>
<td><strong>CALAPHIDIDAE (total)</strong></td>
<td>92</td>
<td>11.90</td>
</tr>
<tr>
<td>CALAPHIDIDAE incertae sedis</td>
<td>1</td>
<td>0.13</td>
</tr>
<tr>
<td>CALAPHIDINI CALAPHIDINA</td>
<td>13</td>
<td>1.68</td>
</tr>
<tr>
<td>CALAPHIDINI MONAPHIDINA</td>
<td>4</td>
<td>0.52</td>
</tr>
<tr>
<td>PANAPHIDINI MYZOCALLIDINA</td>
<td>34</td>
<td>4.40</td>
</tr>
<tr>
<td>PANAPHIDINI PANAPHIDINA</td>
<td>40</td>
<td>5.17</td>
</tr>
<tr>
<td><strong>CHAITOPHORINAE (total)</strong></td>
<td>14</td>
<td>1.81</td>
</tr>
<tr>
<td>CHAITOPHORINAE incertae sedis</td>
<td>1</td>
<td>0.13</td>
</tr>
<tr>
<td>CHAITOPHORINI</td>
<td>7</td>
<td>0.91</td>
</tr>
<tr>
<td>SIPHINI</td>
<td>6</td>
<td>0.78</td>
</tr>
<tr>
<td>DREPANOSIPHINAE</td>
<td>13</td>
<td>1.68</td>
</tr>
<tr>
<td>Family-group taxon</td>
<td>Number of genus-group taxa</td>
<td>Percentage of total</td>
</tr>
<tr>
<td>--------------------</td>
<td>----------------------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>ERIOSOMATINAE (total)</td>
<td>76</td>
<td>9.83</td>
</tr>
<tr>
<td>ERIOSOMATINAE incertae sedis</td>
<td>11</td>
<td>1.42</td>
</tr>
<tr>
<td>ERIOSOMATINAE ERIOSOMATINI</td>
<td>16</td>
<td>2.07</td>
</tr>
<tr>
<td>ERIOSOMATINAE FORDINI</td>
<td>19</td>
<td>2.46</td>
</tr>
<tr>
<td>ERIOSOMATINAE PEMPHIGINI</td>
<td>30</td>
<td>3.88</td>
</tr>
<tr>
<td>GREENIDEINAE (total)</td>
<td>23</td>
<td>2.98</td>
</tr>
<tr>
<td>GREENIDEINAE incertae sedis</td>
<td>1</td>
<td>0.13</td>
</tr>
<tr>
<td>GREENIDEINAE CERVAPHIDINAE</td>
<td>7</td>
<td>0.91</td>
</tr>
<tr>
<td>GREENIDEINAE GREENIDEINI</td>
<td>12</td>
<td>1.55</td>
</tr>
<tr>
<td>GREENIDEINAE SCHOUTEDENINI</td>
<td>3</td>
<td>0.39</td>
</tr>
<tr>
<td>HORMAPHIDINAE (total)</td>
<td>48</td>
<td>6.21</td>
</tr>
<tr>
<td>HORMAPHIDINAE incertae sedis</td>
<td>5</td>
<td>0.65</td>
</tr>
<tr>
<td>CERATAPHIDINAE</td>
<td>13</td>
<td>1.68</td>
</tr>
<tr>
<td>HORMAPHIDINAE</td>
<td>3</td>
<td>0.39</td>
</tr>
<tr>
<td>NIPPONAPHIDINAE</td>
<td>27</td>
<td>3.49</td>
</tr>
<tr>
<td>ISRAELAPHIDINAE</td>
<td>1</td>
<td>0.13</td>
</tr>
<tr>
<td>LACHNINAE (total)</td>
<td>26</td>
<td>3.36</td>
</tr>
<tr>
<td>LACHNINAE incertae sedis</td>
<td>1</td>
<td>0.13</td>
</tr>
<tr>
<td>EULACHNINI</td>
<td>9</td>
<td>1.16</td>
</tr>
<tr>
<td>LACHNINI</td>
<td>12</td>
<td>1.55</td>
</tr>
<tr>
<td>TRAMINI</td>
<td>4</td>
<td>0.52</td>
</tr>
<tr>
<td>LIZERINAE</td>
<td>10</td>
<td>1.29</td>
</tr>
<tr>
<td>MACROPODAPHIDINAE</td>
<td>2</td>
<td>0.26</td>
</tr>
<tr>
<td>MINDARINAE</td>
<td>3</td>
<td>0.39</td>
</tr>
<tr>
<td>NEOPHYLLAPHIDINAE</td>
<td>4</td>
<td>0.52</td>
</tr>
<tr>
<td>PALAEOSIPHONINAE</td>
<td>1</td>
<td>0.13</td>
</tr>
<tr>
<td>PARACHAITOPHORINAE</td>
<td>1</td>
<td>0.13</td>
</tr>
<tr>
<td>PHLOEOMYZINAE</td>
<td>8</td>
<td>1.03</td>
</tr>
<tr>
<td>PHYLLAPHIDINAE</td>
<td>12</td>
<td>1.55</td>
</tr>
<tr>
<td>PTERASPINIINAE</td>
<td>4</td>
<td>0.52</td>
</tr>
<tr>
<td>PTEROCOMMATINAE</td>
<td>5</td>
<td>0.65</td>
</tr>
<tr>
<td>SALTUSAPHIDINAE (total)</td>
<td>16</td>
<td>2.07</td>
</tr>
<tr>
<td>SALTUSAPHIDINAE incertae sedis</td>
<td>1</td>
<td>0.13</td>
</tr>
<tr>
<td>SALTUSAPHIDINAE SALTUSAPHIDINI</td>
<td>7</td>
<td>0.91</td>
</tr>
<tr>
<td>SALTUSAPHIDINAE THIRPSAPHIDINI</td>
<td>8</td>
<td>1.03</td>
</tr>
<tr>
<td>SPICAPHIDINAE</td>
<td>3</td>
<td>0.39</td>
</tr>
<tr>
<td>TAIWANAPHIDINAE</td>
<td>2</td>
<td>0.26</td>
</tr>
<tr>
<td>TAMALINAE</td>
<td>1</td>
<td>0.13</td>
</tr>
<tr>
<td>THELAXINAE</td>
<td>6</td>
<td>0.78</td>
</tr>
<tr>
<td>THELAXINAE GONDVANOAPHIDINAE</td>
<td>1</td>
<td>0.13</td>
</tr>
<tr>
<td>THELAXINAE THELAXINI</td>
<td>5</td>
<td>0.65</td>
</tr>
</tbody>
</table>
REGISTRO DE LOS TAXONES DEL NIVEL GÉNERO DE APHIDOIDEA

Este “Registro de los taxones del nivel género de Aphidoidea” es la “Propuesta” dedicada a esos taxones, aprobada en el *Eighth International Symposium in Aphids* —ver “Prefacio”— con la adición de los taxones descritos desde el 31 de diciembre de 2005, fecha límite de la “Propuesta”, hasta la fecha.

Véase en la introducción del “Registro de los taxones del nivel familia de Aphidoidea” la relación de taxones del nivel familia que se incluyen en la superfamilia Aphidoidea en el contexto de la clasificación utilizada.


Este “Registro” consta de dos secciones: “Nombres disponibles” y “Nombres indisponibles”.

Como en el “Registro de los taxones del grupo familia” (ver más arriba) los términos “disponible” e “indisponible”, “válido” e “inválido” se utilizan exactamente en el sentido que les otorga el “Código Internacional de Nomenclatura Zoológica, cuarta edición” (de aquí en adelante el “Código”).

———

**LOS NOMBRES DISPONIBLES**

De los nombres disponibles se facilita: (1) el nombre del taxón con su autor y fecha de establecimiento, (2) la referencia bibliográfica, (3) la categoría asignada al ser establecido, (4) la especie tipo y (5) el estatus objetivo, y además en su caso (6) el estatus subjetivo y (7) la posición taxonómica.

**Nombres disponibles: nombre del taxón**

Se proporciona el nombre establecido con su grafía original, debidamente corregido si es el caso, en aplicación del artículo 33.2.2 del “Código”, que dice:

«La corrección de una grafía original incorrecta conforme al Artículo 32.5 es una “enmienda justificada” y el nombre así corregido mantiene la autoría y la fecha de la grafía original [Art. 19.2]».

excepto en los casos en los que es de aplicación lo dispuesto en el artículo 33.2.3.1, que dice:
«Si una grafía posterior incorrecta está en uso predominante y se le atribuye a la publicación de la grafía original, se deben conservar la grafía posterior y la atribución, considerándose que es la grafía original correcta».

El “Código” permite (Recomendación 51E), notaciones del tipo “autor X in autor Y”, como por ejemplo “Buckton in Cotes”, “Tao in Eastop y Hille Ris Lambers”, “Börner in Börner y Schilder”, o “Zheng (G.-x.) & Qiao in Qiao, Zheng (G.-x.) y Zhao (F.)”, que informan que el taxón fue establecido por un autor (singular o múltiple) en una obra firmada por otro autor (singular o múltiple). Para no alargar en exceso las autorías no se utiliza esta notación; en contrapartida el nombre del autor de la publicación se incorpora a la referencia bibliográfica (ver más adelante).

Si en la bibliografía afidológica hay dos o más autores con el mismo apellido se dan entre paréntesis las iniciales de los correspondientes nombres de pila.

La fecha de establecimiento de los taxones es la fecha real de publicación. No se consigna la fecha especificada en la obra, aunque el “Código” lo permite (Recomendación 22A.2.3) usando notaciones que informan de ambas fechas, como “1977 (1974)”. La fecha especificada en la obra se facilita de forma suficiente en la referencia bibliográfica (ver a continuación).

**Nombres disponibles: referencia bibliográfica**

Si el autor del taxón no coincide con el autor del libro o del artículo, la referencia comienza por el nombre del autor del libro o del artículo.

Si el año especificado en la obra no coincide con el año de la publicación, aquél se incluye entre corchetes inmediatamente delante de los dos puntos que preceden a la página.

La notación “[preprint]” final del título del libro o del artículo significa que el autor distribuyó una separata del artículo en fecha anterior a la de distribución del libro o revista de la que forma parte, de modo que por ello el género toma fecha de esa distribución y no de la distribución del libro o revista, de acuerdo con lo dispuesto en el artículo 21.8 del “Código”, que dice:

«Antes de 2000, un autor que haya distribuido separatas con anterioridad a la especificada fecha de publicación de la obra en que se publicó el trabajo, adelantó por esa razón la fecha de publicación. […]».

La referencia bibliográfica se da con el título completo de la revista o del libro. No se proporcionan el título del artículo en la revista ni el título del capítulo del libro si existe.

Los títulos se dan en la lengua usada si ésta utiliza el alfabeto latino. De los títulos escritos en alfabeto cirílico se ha realizado una transliteración de acuerdo con normas al uso por A.V. Stekolshchikov. Si el título está escrito con ideogramas chinos o japoneses la translación fonética ha corrido a cargo de G.-x. Qiao o de M. Sano, respectivamente. Si el título utiliza dos lenguas se ha escogido una de ellas.

Cuando ha sido posible se proporciona el fascículo del volumen de las revistas.
La página única que se menciona es la que figura la ‘indicación’ en el caso de algunos géneros establecidos antes de 1931, o en la que comienza la descripción, aunque ese nombre esté escrito también en alguna página anterior, incluso si está acompañado de caracteres, por ejemplo en un resumen, en una clave, en el pie de una ilustración, en una tabla, en una lista, etc. En los casos en los que hay una descripción implícita en una clave dicotómica, la página que se consigna es aquella en la que aparece el nombre del género, que suele ser al final de ese grupo de párrafos, y no al principio de ellos como suele ser normal en las descripciones formales.

**Nombres disponibles: especie tipo**

Se facilita el nombre de la especie en su combinación original, con su autor y fecha, la fecha real de publicación. Si el nombre de la especie tipo no es un nombre válido, se facilita el nombre válido actual de esa entidad taxonómica, también en su combinación original, de acuerdo con lo establecido en la recomendación 67B del “Código”, que dice:

«El nombre de una especie tipo debería citarse mediante su binomen original. Si el nombre de la especie tipo se trata usualmente como un nombre inválido, los autores pueden citar también su sinónimo más antiguo».

Se informa del modo de establecimiento del tipo utilizando los términos usados en el “Código”: designación original, monotipia, designación posterior, etc. No obstante lo anterior, en el caso de los nombres nuevos de sustitución y en los nombres consecuencia de una enmienda injustificada, se ha utilizado la expresión “denoted by” (en español, indicado —o designado — mediante —o a consecuencia de—), tomada también del propio “Código” artículo 67.8, que dice:

«Especies tipo de táxones nominales de nivel género indicados mediante nuevos nombres de reemplazo (nomina nova). Si un autor publica un nuevo nombre del grupo género expresamente como nuevo nombre de reemplazo (nomen novum) para un nombre previamente establecido o reemplaza un nombre previamente establecido del grupo género con una enmienda injustificada [Art. 33.2.4], tanto el taxon nominal previo como su reemplazo tienen la misma especie tipo, y la fijación de tipo para uno de ellos se aplica también al otro […]».

**Nombres disponibles: estatus objetivo**

Como es conocido, el estatus objetivo se debe a criterios nomenclaturales fijados detalladamente por el “Código” y no varía en función de opciones taxonómicas.

Se informa si el taxón, además de ‘disponible’ (available), es ‘potencialmente válido’ u ‘objetivamente inválido’. En el segundo de los casos se da la causa de invalidez, que suele deberse a que el nombre sea sinónimo objetivo posterior u homónimo posterior. En algunos casos se completa la información sobre el estatus objetivo con otros datos de utilidad, como por ejemplo el nombre de sustitución si existe.

Si el taxón es válido objetivo la información continúa, pero si es inválido objetivo la información termina en este punto.
Nombres disponibles: estatus subjetivo, posición taxonómica

El estatus subjetivo y la posición taxonómica obedecen a criterios enteramente taxonómicos y por ello no forman parte de la “Propuesta”. Se incluyen en el “Reper- torio” por su evidente interés taxonómico.

Se precisa si el nombre es subjetivamente ‘válido’ o ‘inválido’ y en su caso la causa de invalidez.

La posición taxonómica se precisa únicamente para los taxones que son vá- lidos subjetivos. Si el lector quisiera conocer la posición taxonómica de un taxón inválido deberá buscar la que corresponde a su sinónimo anterior.

———

LOS NOMBRES INDISPONIBLES

De los nombres indisponibles se facilita: (1) el nombre del taxón con su autor y fecha de establecimiento, y a renglón seguido la referencia, y (2) la causa de indisponibilidad.

Para los nombres de los taxones, nombres de los autores, fechas, y referencias bibliográficas vale lo expuesto en los párrafos anteriores.

Las causas de indisponibilidad son algunas de las fijadas en el “Código” (ver más adelante).

No se han consignado las grafías posteriores incorrectas (erratas originales o tipográficas), que se encuentran con frecuencia en la bibliografía afidológica, como en la bibliografía zoológica en general, y que se pueden ver en las mal llamadas listas sinonímicas de tantos trabajos. Algunas de las grafías posteriores incorrectas de gé- neros de pulgones han sido recogidas en listas de ese tipo e incluso en recopilaciones generales, como el “Survey”, pero otras han pasado desapercibidas.

Algunas de esas grafías posteriores incorrectas han sido tenidas por nombres disponibles, debido a que erróneamente alguien entendió que se trataba de enmien- das justificadas, así por ejemplo: “Schizonevra” y “Tetranerva” atribuidos a Agassiz (1846), “Pterochlorus” atribuido a Passerini (1866), “Rhyzobius” atribuido a Ferrari (1872) y “Macrosiphon” atribuido a Del Guercio (1914) respectivamente de Schizo- neura, Tetranura, Pteroclurus, Rhizobius y Macrosiphum. Pero en realidad no son tales enmiendas de acuerdo con el artículo 33 del “Código”, que dice:

«33.1. Clases de grafías posteriores. Una grafía posterior de un nombre, si es diferente de la grafía original [Art. 32.1], o bien es una enmienda [Art. 33.2] o bien una grafía posterior incorrecta [Art. 33.3] o bien un cambio obligatorio [Art. 34].

»33.2. Enmiendas. Cualquier cambio intencionado demostrable en la grafía original de un nombre y que no sea un cambio obligatorio, es una “enmienda”, salvo en lo estipulado en el artículo 33.4.

»33.2.1. Un cambio en la grafía original de un nombre puede interpretarse sólo como “demostra- blemente intencionado” si en la propia obra o en una de erratas de un autor (o editor) hay una declaración explícita de la intención o cuando se mencionan a la vez tanto la grafía original como la modificada y esta última se adopta en lugar de la primera, o si dos o más nombres se tratan de la misma manera en la misma obra.»
»33.3. Grafías posteriores incorrectas. Cualquier grafía posterior de un nombre distinta a la grafía original correcta y que no sea un cambio obligatorio o una enmienda, es una “grafía posterior incorrecta”; no es un nombre disponible y, como una grafía original incorrecta [Art. 32.4], no entra en homonimia y no puede usarse como un nombre de sustitución […].

»33.5. Casos de duda. En cualquier caso de duda respecto de si una grafía posterior diferente es una enmienda o una grafía posterior incorrecta, se debe tratar como una grafía posterior incorrecta (y por tanto no disponible) y no como una enmienda».

INFORMACIONES ADICIONALES

Taxones de nivel género de Aphiidoidea establecidos: 1330.


Primeros taxones nominales de rango subgénero de Aphiidoidea establecidos: Adactynus Rafinesque, 1918, Dactynotus Rafinesque, 1918, y Loxerates Rafinesque, 1918; son disponibles pero dudosos.

Dactynotus estuvo en uso durante 38 años. En 1939 Hille Ris Lambers (Temminckia, 4: 1–134) consideró que la especie tipo de ese género, Aphis hieraciumpaniculatum Rafinesque, 1818, que había sido designada poco antes por Börner & Schilder —véase la entrada correspondiente— debía ser clasificada junto a un grupo de especies de macrosínos que los taxónomos de hoy clasificamos en el género Uroleucon Mordvilko. En 1977 Eastop y Hille Ris Lambers (Survey of the World’s Aphids) consideraron a Dactynotus como inválido, posiblemente porque no podían precisar el significado taxonómico de la especie tipo. Eastop y Hille Ris Lambers, o cualquier otro autor, podrían haber seleccionado un neotipo para Aphis hieraciumpaniculatum, dando así un preciso significado taxonómico a la especie y consecuentemente al género, pero no lo hicieron. No vemos ningún motivo práctico para designar ahora tal neotipo, tras 30 años de olvido de Dactynotus y de utilización de Uroleucon en combinación con más de 230 nombres válidos de especies.

Taxones nominales de rango género de Aphiidoidea indisponibles

Taxones indisponibles: 110.

Cantidad de casos, autores implicados y causas de indisponibilidad

Cuatro nombres, debidos a Aizenberg (1954), por encontrarse en una obra no publicada, artículos 8.1.1 y 9.9 del “Código”, que dicen respectivamente:

«[Una obra debe satisfacer los siguientes criterios] debe publicarse con la finalidad de proporcionar un registro científico público y permanente». 

Registros de los taxones del nivel familia y del nivel género de Aphiidoidea (Hemiptera Sternorrhyncha). 81-404, 2010
«[No obstante las disposiciones del artículo 8, ninguna de las siguientes es una obra publicada en el sentido del Código:] los resúmenes de artículos, de contribuciones, de carteles, de textos de conferencias y de materiales similares que se emita esencialmente para los participantes en reuniones, simposios, coloquios o congresos».

Sesenta y seis nombres, debidos a Amyot (1847, *Méthode mononymique*), por no estar ajustados a la nomenclatura binominal, artículo 11.4, que dice:

«El autor debe haber aplicado de manera consecuente el Principio de la Nomenclatura Binominal [Art. 5.1] en la obra en la que el nombre o acto nomenclatural fue publicado; sin embargo, este artículo no se aplica a la disponibilidad de nombres de táxones en las categorías por encima de nivel familia».


Cuatro nombres, debidos a Shinji (1927), Del Guercio (1930), Börner (1952) y Richards (1971), por haber sido establecidos en sinonimia, artículo 11.5, no siendo de aplicación lo dispuesto en el artículo 11.6.1, que respectivamente dicen:

«Nombres que deben tratarse como válidos cuando se les propone. Para llegar a estar disponible, un nombre debe usarse como válido para un taxon cuando se le propone […]».

«[Un nombre que se publicó por primera vez en una obra disponible como un sinónimo más moderno de un nombre usado en ese momento como válido, no queda, por ello, disponible.] Sin embargo, si tal nombre publicado como un sinónimo más moderno hubiese sido tratado antes de 1961 como un nombre disponible o bien adoptado como el nombre de un taxon o bien tratado como un homónimo más antiguo, queda, por ello, disponible pero se fecha por su primera publicación como un sinónimo más moderno (si es un nombre de nivel género véase el Artículo 67.12 para la especie tipo; […]; véase el Artículo 50.7 para la autoría)».

Cuatro nombres, debidos a Leach (1826), Williams (1891) y Mordvilko (1924, 1929), por haber sido establecidos antes de 1931 sin descripción con palabras ni indicación, artículo 12.1, que dice:

«Para estar disponible, todo nombre nuevo publicado antes de 1931 debe satisfacer las disposiciones del Artículo 11 e ir acompañado de una descripción o una definición del taxon que denota, o de una indicación».

Dos nombres, debidos a Mordvilko (1908, 1914), por haber sido establecidos antes de 1931 sin descripción con palabras ni indicación (artículo 12.1) y además sin especies válidas incluidas, artículo 12.2.5, que dice:

«[A los efectos de este artículo la palabra “indicación” denota sólo lo siguiente:] en el caso de un nuevo nombre de nivel género, el uso de uno o más nombres específicos disponibles en combinación con él o claramente incluidos en él o claramente referidos a él mediante una referencia bibliográfica, siempre que el o los nombres específicos puedan asignarse sin ambigüedad a uno o varios táxones del grupo especie».

Trece nombres, debidos a Mordvilko (1932, 1955), Shinji (1933), Hille Ris Lambers (1945, tres), Börner (1949, 1952), Pašek (1966, dos), Knowlton (1972) y
A.K. Ghosh (1974, dos), por haber sido establecidos después de 1930 sin descripción verbal, artículo 13.1, que dice:

«Para estar disponible, todo nombre nuevo publicado después de 1930 debe satisfacer las disposiciones del Artículo 11 y debe

13.1.1. estar acompañado de una descripción o definición que exponga con palabras los caracteres que supuestamente diferencian el taxon, o
13.1.2. estar acompañado de una referencia bibliográfica de una exposición ya publicada, […], o
13.1.3. estar propuesto expresamente como un nuevo nombre de reemplazo (nomen novum) para un nombre disponible, […]».

Nueve nombres, debidos a Börner (1944, cinco; 1950, dos), Takahashi (1965) y Paik (1972) por haber sido establecidos después de 1930 sin especie tipo, artículo 13.3, que dice:

«Para estar disponible, todo nuevo nombre del grupo género publicado después de 1930 […] debe, además de satisfacer las disposiciones del artículo 13.1, acompañarse de la fijación de una especie tipo en la publicación original [Art. 68] o proponerse expresamente como un nuevo nombre de reemplazo (nomen novum) [Art. 67.8]».

Cinco nombres, debidos a van der Goor (1915), Matsumura (1917), Shinji (1929, dos) y Özdikem & Demir (2007), por ser grafías originales alternativas no adoptadas por el primer revisor, artículo 19.3, que dice:

«Se considera que las grafías originales alternativas que no hayan sido adoptadas por el Primer Revisor [Art. 24.2] son grafías originales incorrectas y no están disponibles por separado [Art. 32.4]».

Dos nombres, debidos a Mordvilko (1919) y Takahashi (1962), por tratarse de una grafía original sustituida por una grafía posterior en uso predominante y atribuido a la publicación de la grafía original, artículo 33.3.1, que dice:

«si una grafía posterior incorrecta está en uso predominante y se le atribuye a la publicación de la grafía original, se deben conservar la grafía posterior y la atribución, considerándose que es la grafía original correcta».

**Taxones nominales de nivel género de Aphidoidea disponibles**

Taxones disponibles: 1220.

Taxones disponibles establecidos con rango de subgénero: 151.

Taxones disponibles establecidos con rango de género: 1069.

**Cronología**

Taxones disponibles establecidos en los primeros 75 años de nomenclatura zoológica linneana (1758–1832): ocho, sólo dos de ellos son entidades taxonómicas admitidas actualmente (tabla G-1).
Taxones disponibles establecidos en los primeros 100 años de nomenclatura linneana (1758–1857): 54 (tabla G-1).

Obsérvese en la tabla la existencia ya en esos años de varias situaciones nomenclaturales (sinonimias objetivas y subjetivas, homonimias, etc.), y considérense la elevada cantidad (27) de géneros establecidos para pulgones clasificados actualmente en Eriosomatinae.

Taxones disponibles establecidos a partir de 1858 (inclusive): 1165 (tabla G-2 y figura G-1).

Hasta 1900 el establecimiento de géneros marchó lentamente y después de esa fecha el ritmo fue rápido aunque variado tanto por años como por decenios; los máximos de establecimientos se alcanzaron en los decenios 1911–1920 y 1961–1970 y los sub-máximos en los decenios 1921–1930 y 1951–1960.

**Autorías**

Taxones disponibles de autor único: 1046.

Taxones disponibles con autor múltiple, dos a cuatro personas: 174.

Autorías diferentes, considerando también el orden de las personas: 97.

Personas involucradas: 245 (tabla G-3).

Personas más prolíficas, responsables de al menos un 1% de los nombres disponibles (12 nombres ó más): 33, que son responsables aproximadamente del 75% del total de géneros (tabla G-4).

**Especies tipo**

Taxones disponibles con especie tipo válidamente designada: 1209 (tabla G-5).

Taxones disponibles sin especie tipo: 11, Aorison, Chaitocallipterus, Euaulax, Halmodaphis, Jaxartaphis, Neomegoura, Orobian, Pteriaphis, Trichonaphis, Tuberculaphis y Turanaphis.

Taxones con especies tipo que son inválidas objetivas (por ser homónimas posteriores): 3, Hydaphias, Rizoberlesia y Submacrosiphum.

Taxones con especies tipo que son válidas objetivas, pero inválidas subjetivas (por ser sinónimas subjetivas posteriores): 227.

Taxones con especies tipo que son válidas objetivas y subjetivas: 979.
Taxones nominales del nivel género válidos e inválidos

Taxones inválidos objetivos: 109
5 fueron suprimidos o invalidados por la Comisión Internacional de Nomenclatura Zoológica en uso de poderes plenarios, *Byrsocrypta*, *Brysocrypta*, *Doralis*, *Callaphis*, *Rhizobius*;
1 es *nomen oblitum*, *Phillophorus*;
1 es simultáneamente enmienda injustificada y homónimo posterior, *Microsiphon* Börner;
6 son enmiendas injustificadas, *Asiphon*, *Cryptosiphon*, *Drepanosiphon*, *Macrocephalosiphon*, *Rhopalosiphon* y *Submicrosiphon*;
60 son homónimos posteriores; y
33 son sinónimos objetivos posteriores.

Taxones potencialmente válidos (válidos objetivos): 1111.
Autores más prolíficos, con 1% al menos de los géneros válidos objetivos (11 géneros): 33 (tabla G-6).

Taxones subjetivamente inválidos: 338.

Taxones subjetivamente válidos: 773.

Taxones subjetivamente válidos, pero sin significado taxonómico reconocido (nombres dudosos, *nomina dubia*): 22, debidos a Del Guercio, Gaumont y Koch (1 género cada uno), a Matsumura, Shinji y Theobald (2 géneros cada uno), y a Rafinesque, Rusanova y Mordvilko (3, 4 y 5 géneros respectivamente).

Taxones subjetivamente válidos y actualmente con significado taxonómico: 751.

La distribución de los géneros válidos subjetivos en los taxones del nivel familia

La cantidad de géneros válidos en cada una de las familias y subfamilias es muy variado (tabla G-7). Treinta y siete géneros se pueden adscribir a un determinado taxon, superfamilia, familia o subfamilia, pero no se pueden incluir en ninguno de sus taxones subordinados, no tienen ubicación exacta (*incertae sedis*).

*APHIDIINAE* es la subfamilia con más géneros, 352 de los 773, el 45,5% del total. Las dos subfamilias siguientes en cantidad de géneros (y subgéneros) son *CALKAPHIDINAE* con 92, el 11,9%, *ERIOMATINAE* con 76, el 9,8%, *HORMAPHIDINAE* con 48 alcanza el 6,2%, *LACHNINAE* con 26 el 3,4%, *GREENIDEINAE* el 2,9% con 23 y *SALTUSAPHIDINAE* el 2,1% con 16 géneros y subgéneros.

La comparación de la proporción entre el número de especies válidas y el número de géneros más subgéneros válidos en cada uno de los taxones del grupo familia
nos pueden dar una idea de las “acumulaciones” y “particiones” taxonómicas y la consiguiente necesidad de abordar revisiones globales de los taxones con más especies.

Saltusaphidinae y Calaphidinae tienen los valores más bajos en la razón especies válidas : géneros válidos, respectivamente 3,75 y 3,84; ambas subfamilias han sido objeto de recientes revisiones de conjunto. Por el contrario, en Aphidini y Lachninae esos valores son los más altos, respectivamente 18,48 y 14,92. En estos dos taxones se clasifican los dos géneros de pulgones con más especies válidas, respectivamente Aphis con 553 y Cinara con 241. Börner los escindió en varios géneros más, que no eran fáciles de diferenciar entre sí, quizás porque no reflejaban grupos naturales, y en consecuencia cayeron en desuso y posteriormente en sinonimia. Abordar revisiones taxonómicas globales de ambos géneros es muy incómodo por el elevado número de especies que encuadran y la amplísima distribución mundial que presentan, y al tiempo ambos son tan voluminosos porque han desalentado los trabajos de revisión interna. Los datos numéricos anteriores se han extraído de Aphid Species File (http://Aphid.SpeciesFile.org).
AVAILABLE NAMES / NOMBRES DISPONIBLES

**Abamalekia** Del Guercio, 1906
- Described as genus.
- Type species: *Abamalekia lazarewi* Del Guercio, 1906; by original designation; junior synonym of *Aphis chinensis* Bell, 1851.
- Objective status: Available & potentially valid.
- Subjective status: Junior synonym of *Schlechtendalia* Lichtenstein, 1883.

**Absinthaphis** Remaudière, 1973
- Described as subgenus of *Protaphis* Börner, 1952.
- Type species: *Cryptosiphum cinae* Nevsky, 1928; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Junior synonym of *Xerobion* Nevsky, 1928.

**Abstrusomyzus** Jensen & Stoetzel, 1999
- Described as genus.
- Type species: *Phorodon phloxae* Sampson, 1939; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Valid.
- Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Abura** Matsumura, 1917
- Publication reference: Journal of the College of Agriculture, Tohoku Imperial University, 7: 407.
- Described as genus.
- Type species: *Abura momocola* Matsumura, 1917; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Nomen dubium.
- Taxonomic position: Aphididae.

**Acanthaphis** Matsumura, 1918
- Described as genus.
- Type species: *Acanthaphis rubi* Matsumura, 1918; by original designation.
Objective status: Available but invalid — Junior homonym of *Acanthaphis* Del Guercio, 1908 (Hemiptera: Phylloxeridae).

Useful information about the objective status: Replaced by *Matsumuraia* Schumacher, 1921 (*nomen novum*).

*Acanthocallis* Matsumura, 1917

Publication reference: Journal of the College of Agriculture, Tohoku Imperial University, 6: 367.

Described as genus.

Type species: *Acanthocallis quercicola* Matsumura, 1917; by original designation.

Objective status: Available & potentially valid.


Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina — Subgenus of *Tuberculatus* Mordvilko, 1894.

*Acanthotrichaphis* Shaposhnikov & Wegierek, 1989

Publication reference: Paleontologicheskiy Zhurnal, 3: 45.

Described as genus.

Type species: *Acanthotrichaphis paulisensoriata* Shaposhnikov & Wegierek, 1989; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Oviparosiphidae.

*Acanthotuberculatus* Quednau, 1999

Publication reference: Contributions of the American Entomological Institute, 31: 49.

Described as subgenus of *Tuberculatus* Mordvilko, 1894.

Type species: *Tuberculatus japonicus* Higuchi, 1969; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina — Subgenus of *Tuberculatus* Mordvilko, 1894.

*Acanthulipes* Börner, 1952


Described as genus.

Type species: *Alphitoaphis carpathica* Börner, 1942; by original designation; junior synonym of *Xenomyzus corticis* Aizenberg, 1935.
Objetivo status: Available & potentially valid. 

Subjeto status: Junior synonym of *Xenomyzus* Aizenberg, 1935.

*Acaudella* Nevsky, 1929

Publicación referente: Zoologische Anzeiger, 82: 211.

Descripción como género.

Tipo especie: *Acaudella puchovi* Nevsky, 1929; by original designation.

Objetivo status: Available & potentially valid.

Subjeto status: Valid.

Taxonómico posición: *Aphididae Aphidinae Macrosiphini*.

*Acaudinen* Börner, 1930


Descripción como género.

Tipo especie: *Aphis centaureae* Koch, 1854; by original designation.

Objetivo status: Available & potentially valid.

Subjeto status: Valid.

Taxonómico posición: *Aphididae Aphidinae Macrosiphini* — With subgenera *Acaudinen* and *Protacaudinen* Holman, 1991.

*Acaudus* van der Goot, 1913


Descripción como género.

Tipo especie: *Aphis lychnidis* Linnaeus, 1758; by original designation.

Objective status: Available & potentially valid.

Subjeto status: Valid.

Taxonómico posición: *Aphididae Aphidinae Macrosiphini* — Subgenus of *Brachycaudus* van der Goot, 1913.

*Aconitaphis* Ivanovskaja, 1971


Descripción como género.

Tipo especie: *Aconitaphis salebrosus* Ivanovskaja, 1971; by original designation.

Objective status: Available & potentially valid.


Taxonómico posición: *Aphididae Aphidinae Macrosiphini* — Subgenus of *Nasonovia* Mordvilko, 1914.
**Acuticauda** Hille Ris Lambers, 1956


Described as genus.

Type species: *Aphis asterensis* Gillette & Palmer, 1929; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Acutosiphon** Basu (R.C.), Ghosh (A.K.) & Raychaudhuri (D.N.), 1970


Described as genus.

Type species: *Acutosiphon obliquoris* Basu (R.C.), Ghosh (A.K.) & Raychaudhuri (D.N.), 1970; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Acyrthosiphon** Mordvilko, 1914


Described as genus.

Type species: *Aphis pisi* Kaltenbach, 1843; by original designation; junior synonym of *Aphis pisum* Harris, 1776.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name for *Macchiatiella* Del Guercio, 1917.


**Adactynus** Rafinesque, 1818


Described as subgenus of *Aphis* Linnaeus, 1758.

Type species: *Aphis pterisaquilinoides* Rafinesque, 1817; by subsequent designation (Börner, 1930: 161).

Objective status: Available & potentially valid.
Subjective status: Nomen dubium.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

Afghanaphis Takahashi, 1966
Publication reference: Results of the Kyoto University Scientific Expedition to the Karakoram and Hindukush, 8: 267.
Described as genus.
Type species: *Afghanaphis ulmi* Takahashi, 1966; by original designation; junior synonym of *Schizoneura lanuginosa* Hartig, 1839.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Eriosoma* Leach, 1818

Agrioaphis Walker, 1870
Described as genus.
Type species: *Aphis myricae* Kaltenbach, 1843; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.

Aiceona Takahashi, 1921
Described as genus.
Type species: *Aiceona actinodaphnis* Takahashi, 1921; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aiceoninae — With subgenera *Aiceona* and *Subaiceona* Singh & Raychaudhuri (D.N.), 1978.

Aixaphis Heie, 1970
Described as genus.
Type species: *Tetraneura oligocenica* Theobald, 1937; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae (Drepanosiphidae sensu Heie complex).

Akkaia Takahashi, 1919
Described as genus.
Type species: *Akkaia polygoni* Takahashi, 1919; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid. — Senior synonym of *Siphonocoryne* Shinji, 1922.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

*Akkaioopsis* Zhang (G.-x.), Chen, Zhong & Li, 1999

Described as genus.
Type species: *Akkaioopsis boschophaga* Zhang (G.-x.), Chen, Zhong & Li, 1999; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Tuberocephalus* Shinji, 1929.

*Alataumyzus* Kadyrbekov, 1993

Described as subgenus of *Cryptomyzus* Oestlund, 1923.
Type species: *Cryptomyzus (Alataumyzus) malkovskii* Kadyrbekov, 1993; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Cryptomyzus* Oestlund, 1923.

*Aleurodaphis* van der Goot, 1917

Publication reference: Koningsberger, Contributions a la Faune des Indes Néerlandaises, 1 (3): 239.
Described as genus.
Type species: *Aleurodaphis blumeae* van der Goot, 1917; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Hormaphidinae Cerataphidini.

*Aleurosisiphon* Takahashi, 1966

Described as subgenus of *Aphis* Linneaus, 1758.
Type species: *Aphis smilacifolii* Takahashi, 1921; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.
**Alhambra** Gómez-Menor, 1958

Publication reference: Boletín de la Real Sociedad Española de Historia Natural, (Sección Biológica), 55: 404.

Described as genus.

Type species: *Brachyunguis carthami* Das (B.), 1918; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Dasia* Gómez-Menor, 1951.

Subjective status: Junior synonym of *Protaphis* Börner, 1952.

**Allaphis** Mordvilko, 1921


Described as genus.

Type species: *Callaphis caricicola* Mordvilko, 1921 [lectotypes designated by Quednau (2010: 76)]; by subsequent designation (Quednau, 2010: 76), junior synonym of *Thripsaphis producta* Gillette, 1917.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Heterocallis* Quednau, 1966.

Taxonomic position: Aphididae Saltusaphidinae Thripsaphidini.

**Allarctaphis** Börner, 1949

Publication reference: Beiträge sur Taxonomischen Zoologie, 1: 54.

Described as genus.

Type species: *Chaitophorus nassonowi* Mordvilko, 1895; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Chaitophorus* Koch, 1854.

**Alloambria** Richards, 1966


Described as genus.

Type species: *Alloambria caudata* Richards, 1966; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Canadaphididae.

**Allocotaphis** Börner, 1950


Described as genus.

Type species: *Neanuraphis quaestionis* Börner, 1942; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of Malaphis Shaposhnikov, 1951.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Allothoracaphis** Takahashi, 1958

Described as genus.
Type species: Thoracaphis piyananensis Takahashi, 1935; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

**Allotrichosiphum** Takahashi, 1962

Described as genus.
Type species: Trichosiphum kashicola Kurisaki, 1920; by original designation.
Objective status: Available & potentially valid.
Useful information about the objective status: Subsequent spelling for Allotrichosiphon Takahashi, 1962 in frequent use and attributed to the author in the original work (Article 33.3.1).
Subjective status: Valid.
Taxonomic position: Aphididae Greenideinae Greenideini

**Aloephagus** Essig, 1950

Publication reference: Pan-Pacific Entomologist, 26: 22.
Described as genus.
Type species: Aloephagus myersi Essig, 1950; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Eriosomatinae Fordini.

**Alphitoaphis** Hottes, 1926

Described as genus.
Type species: Aphis lonicericola Williams, 1911; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.
**Amalancon** Scudder, 1890


Described as genus.

Type species: *Amalancon lutosus* Scudder, 1890; by monotypy; junior synonym of *Siphonophoroides antiqua* Buckton, 1883.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Siphonophoroides* Buckton, 1883.

**Ambopemphigus** Wegierek, 1996


Described as genus.

Type species: *Ambophemphigus romani* Wegierek, 1996; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae.

**Amegosiphon** Narzikulov, 1958


Described as genus.

Type species: *Rhopalosiphoninus platicaudus* Narzikulov, 1953; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Elbourzaphis* Remaudière & Davatchi, 1959.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Amelanchieria** Shaposhnikov, 1950


Described as subgenus of *Nearctaphis* Shaposhnikov, 1950.

Type species: *Aphis sensoriata* Gillette & Bragg, 1918; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Nearctaphis* Shaposhnikov, 1950.

**Americaphis** Heie, 2006


Described as genus.

Type species: *Americaphis longipes* Heie, 2006; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.
Taxonomic position: Aphididae (Drepanosiphidae sensu Heie complex).

**Ammiaphis** Börner, 1952


Described as genus.

Type species: *Aphis sii* Koch, 1855; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Amphicercidus** Oestlund, 1923


Described as genus.

Type species: *Aphis pulverulens* Gillette, 1911; by original designation.

Objective status: Available & potentially valid.


Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Amphorinophora** MacGillivray, 1958

Publication reference: Temminckia, 10 [reprint]: 11.

Described as subgenus of *Masonaphis* Hille Ris Lambers, 1939.

Type species: *Amphorophora crysleae* Smith & Knowlton, 1939; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.


**Amphorophora** Buckton, 1876


Described as genus.

Type species: *Amphorophora ampullata* Buckton, 1876; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Eunectarosiphon* Del Guercio, 1913.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Amphorophora* and *Galiaphis* Ossiannilsson, 1954.
**Amphorosiphon** Hille Ris Lambers, 1949


Described as subgenus of *Amphorophora* Buckton, 1876.

Type species: *Delphiniobium pulmonariae* Börner, 1942; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Ampullosiphon** Heikinheimo, 1955


Described as subgenus of *Amphorophora* Buckton, 1876.

Type species: *Amphorophora (Amphorosiphon) stachydis* Heikinheimo, 1955; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Cryptomyzus* Oestlund, 1923.

**Amycla** Koch, 1857


Described as genus.

Type species: *Amycla fuscifrons* Koch, 1857; by subsequent designation (Wilson, 1910: 148); Junior synonym of *Aphis ulmi* Linnaeus, 1758.

Objective status: Available but invalid — Junior homonym of *Amycla* Rafinesque, 1815 (Neuroptera), *Amycla* Daubledoy, 1849 (Lepidoptera), and *Amycla* Adams, 1853 (Mollusca)

Useful information about the objective status: Replaced by *Tetraneura* Hartig, 1841.

**Anacallis** Remaudière, 1982


Type species: *Anacallis areolatus* Remaudière, 1982; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.


**Anacyrthosiphon** Basu (R.C.), Ghosh (M.R.) & Raychaudhuri (D.N.), 1976

Described as subgenus of *Pseudoacrythosiphon* Ghosh (A.K.) & Raychaudhuri (D.N.), 1969.

Type species: *Neoacrythosiphon (Pseudoacrythosiphon) takahashii* Ghosh (A.K.), 1969; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior homonym of *Anacyrthosiphon* Basu (R.C.), Ghosh (M.R.) & Raychaudhuri (D.N.), 1980.

Useful information about the objective status: Replaced by *Ericolophium* Tao, 1963.

Subjective status: Junior synonym of *Ericolophium* Tao, 1963.

**Anacyrthosiphon** Raychaudhuri (D.N.), Ghosh (M.R.) & Basu (R.C.), 1980


Described as subgenus of *Pseudoacrythosiphon* Ghosh (A.K.) & Raychaudhuri (D.N.), 1969.

Type species: *Neoacrythosiphon (Pseudoacrythosiphon) takahashii* Ghosh (A.K.), 1969; by original designation.


**Anameson** Mordvilko, 1914


Described as genus.

Type species: *Anameson kamtshaticum* Mordvilko, 1914; by subsequent designation (Mordvilko, 1919: 336).

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Sitobion* Mordvilko, 1914.

**Anaulacorthum** Ghosh (A.K.) & Raychaudhuri (D.N.), 1972


Described as subgenus of *Aulacorthum* Mordvilko, 1914.

Type species: *Aulacorthum (Anaulacorthum) fagopyri* Ghosh (A.K.) & Raychaudhuri (D.N.), 1973; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Anconatus** Buckton, 1883


Described as genus.
Type species: *Anconatus dorsuosus* Buckton, 1883; by monotypy.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphidoidea incertae sedis.

**Andinaphis** Mier Durante, Ortego & Nieto Nafria, 1997

Described as subgenus of *Brachyunguis* Das (B.), 1918.
Type species: *Brachyunguis (Andinaphis) paradoxus* Mier Durante, Ortego & Nieto Nafria, 1997; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

**Andorracallis** Quednau, 1999

Publication reference: Contributions of the American Entomological Institute, 31: 50.
Described as genus.
Type species: *Andorracallis pujadei* Quednau, 1999; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina.

**Aniferella** Richards, 1966

Described as genus.
Type species: *Aniferella bostoni* Richards, 1966; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Lizeriinae.

**Anocaudus** Ghosh (A.K.), Chakrabarti, Chowdhuri & Raychaudhuri (D.N.), 1969

Described as genus.
Type species: *Anocaudus taxus* Ghosh (A.K.), Chakrabarti, Chowdhuri & Raychaudhuri (D.N.), 1969; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Prociphilus* Koch, 1857.

**Anochetium** Wood-Baker, 1943

Described as genus.

Type species: *Anochetium nondescriptum* Wood-Baker, 1943; by original designation; junior synonym of *Laingia psammae* Theobald, 1922.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Laingia* Theobald, 1922.

**Anoecia** Koch, 1857


Described as genus.

Type species: *Aphis corni* Fabricius, 1775; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Neanoecia* Börner, 1950, and *Subanoecia* Börner, 1950.

Taxonomic position: Aphididae Anoeciinae — With subgenera *Anoecia* and *Paranoecia* Zwölfer, 1953.

**Anomalaphis** Baker (A.C.), 1920


Described as genus.

Type species: *Anomalaphis comperei* Pergande, 1920; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Greenideinae Cervaphidini.

**Anomalosiphum** Takahashi, 1934


Described as genus.

Type species: *Anomalosiphum pithecolobii* Takahashi, 1934; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Greenideinae Cervaphidini.

**Antalus** Adams, 1965


Described as genus.

Type species: *Antalus albatus* Adams, 1965; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Pterasthenia* Stroyan, 1952.
**Anthemidaphis** Tashev, 1967


Described as genus.

Type species: *Anthemidaphis oligommata* Tashev, 1967; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphiidae Aphiidae Aphiinae Aphiini Aphiina.

**Anthracosiphon** Hille Ris Lambers, 1947


Described as genus.

Type species: *Anthracosiphon hertae* Hille Ris Lambers, 1947; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphiidae Aphiidae Aphiinae Macrosiphini.

**Anthracosiphoniella** Basu (A.N.), 1969


Described as genus.

Type species: *Anthracosiphoniella maculatum* Basu (A.N.), 1969; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.


**Antimacrosiphon** Zhang (G.-x.), 1998


Described as genus.

Type species: *Antimacrosiphon bullacaudatum* Zhang (G.-x.) & Qiao, 1998; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphiidae Aphiidae Aphiinae Macrosiphini.

**Antisymydobius** Qiao & Zhang (G.-x.), 2002


Described as subgenus of *Symydobius* Mordvilko, 1894.
Type species: *Yezocallis kabae* Matsumura, 1917; by original designation.
Objective status: Available but invalid — Junior objective synonym of *Yezocallis* Matsumura, 1917.

**Antonaphis** Kononova, 1977

- Described as genus.
- Type species: *Antonaphis brachycera* Kononova, 1977; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Valid.
- Taxonomic position: Aphididae Eriosomatinae.

**Anuraphis** Del Guercio, 1907

- Described as genus.
- Type species: *Aphis pyri* Koch, 1854; by original designation; junior synonym of *Aphis farfarae* Koch, 1854.
- Objective status: Available & potentially valid.
- Subjective status: Valid.
- Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Anuriella** Del Guercio, 1921

- Described as genus.
- Type species: *Anuriella dorsolineata* Del Guercio, 1920; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Nomen dubium.
- Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Anuromyzus** Shaposhnikov, 1959

- Described as subgenus of *Dysaphis* Börner, 1931.
- Type species: *Dysaphis (Anuromyzus) cotoneasteris* Shaposhnikov, 1959; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Valid.
- Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Aorison** Mordvilko, 1914

Described as genus.
Type species: There is none.
Objective status: Available & potentially valid.
Subjective status: Nomen dubium.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

Apathaphis Börner, 1952
Described as subgenus of Aphis Linnaeus, 1758.
Type species: Aphis clematidis Koch, 1854; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of Aphis Linnaeus, 1758.

Aphantaphis Scudder, 1890
Described as genus.
Type species: Aphantaphis exsucal Scudder, 1890; by monotypy; junior synonym of Siphonophoroides antiqua Buckton, 1883.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of Siphonophoroides Buckton, 1883.

Aphidiella Theobald, 1923
Described as genus.
Type species: Aphidiella secreticauda Theobald, 1923; by original designation; junior synonym of Aphis avenae Fabricius, 1775.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of Sitobion Mordvilko, 1914.

Aphidinius Heie, 2006
Described as genus.
Type species: Aphidinius constrictus Heie, 2006; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Eriosomatinae.

Aphidioides Motschulsky, 1857
Described as genus.
Type species: *Aphidioides succifera* Motschulsky, 1857; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid
Taxonomic position: Aphididae.

*Aphidocallis* Kononova, 1977
Described as genus.
Type species: *Aphidocallis caudatus* Kononova, 1977; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae.

*Aphidopsis* Scudder, 1890
Described as genus.
Type species: *Aphidopsis margarum* Scudder, 1890; by subsequent designation (Heie, 1967: 205).
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Drepanosiphinae.

*Aphidounguis* Takahashi, 1963
Publication reference: Kontyû, 31: 156.
Described as genus.
Type species: *Aphidounguis mali* Takahashi, 1963; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Eriosomatinae Eriosomatini.

*Aphidula* Nevsky, 1929
Described as genus.
Type species: *Aphidula althaeae* Nevsky, 1929; by original designation; junior synonym of *Aphis davletshinae* Hille Ris Lambers, 1966.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.
Aphidura Hille Ris Lambers, 1956
  Publication reference: Bolletino del Laboratorio di Entomologia Agraria Filippo Silvestri di Portici, 14: 293.
  Described as genus.
  Type species: *Aphidura ornata* Hille Ris Lambers, 1956; by original designation.
  Objective status: Available & potentially valid.
  Subjective status: Valid — Senior synonym of *Cerasomyzus* Narzikulov, 1958.
  Taxonomic position: Aphididae Aphidinae Macrosiphini.

Aphiduromyzus Umarov & Ibramova, 1967
  Described as genus.
  Type species: *Aphiduromyzus rosae* Umarov & Ibramova, 1967; by original designation.
  Objective status: Available & potentially valid.
  Subjective status: Valid.
  Taxonomic position: Aphididae Aphidinae Macrosiphini.

Aphioides Passerini, 1860
  Publication reference: Gli Afidi con un prospetto dei generi e alcune specie nuove italiane: 28 (footnote).
  Described as genus.
  Type species: *Aphis populea* Kaltenbach, 1843; denoted by new replacement name (Article 67.8).
  Objective status: Available but invalid — Junior homonym of *Aphioides* Rondani, 1848.
  Useful information about the objective status: Replacement name (*nomen novum*) for *Cladobius* Koch, 1856. Replaced by *Aristaphis* Kirkaldy, 1905 (*nomen novum*).

Aphioides Rondani, 1848
  Described as genus.
  Type species: *Aphis bursaria* Linnaeus, 1758; by original designation.
  Objective status: Available but invalid — Junior objective synonym of *Pemphigus* Hartig, 1839.
  Useful information about the objective status: Senior homonym of *Aphioides* Passerini, 1860.
**Aphis** Linnaeus, 1758


Described as genus.

Type species: *Aphis sambuci* Linnaeus, 1758; by designation under the plenary powers by the International Commission on Zoological Nomenclature [Opinion 677].

Objective status: Available & potentially valid.

Useful information about the objective status: Name placed in the Official Lists of Generic Names in Zoology [Opinion 677: name number 1560].


**Aphorodon** Takahashi, 1961


Described as genus.

Type species: *Myzus polygonifoliae* Shinji, 1944; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Xenomyzus* Aizenberg, 1935.

**Aphthargelia** Hottes, 1958


Described as genus.

Type species: *Aphis albipes* Oestlund, 1887; denoted by new replacement name (Article 67.8); junior synonym of *Aphis symphoricarpi* Thomas, 1878.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum* for *Thargelia* Oestlund, 1923).

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.
Aplonervoides Zhang (G.-x.), 1992
Described as genus.
Type species: *Aplonervoides erythrocereus* Zhang (G.-x.), 1992; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Nymphaphis* Takahashi, 1960.

Aploneura Passerini, 1863
Publication reference: Archivo per la Zoologia, l’Anatomia e la Fisiologia di Modena, 2 (2) [1862]: 201.
Described as genus.
Type species: *Tetraneura lentisci* Passerini, 1856; by monotypy.
Objective status: Available & potentially valid.
Useful information about the objective status: Replacement name of *Neorhizobius* Del Guercio, 1917. Senior objective synonym of *Tycheoides* Schouteden, 1906.
Subjective status: Valid — Senior synonym of *Neorhizobius* Del Guercio 1917, and *Rhizoctonus* Horváth, 1896.
Taxonomic position: Aphididae Eriosomatinae Fordini.

Appelia Börner, 1930
Described as genus.
Type species: *Aphis tragopogonis* Kaltenbach, 1843; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Brachycaudus* van der Goot, 1913.

Appendiseta Richards, 1965
Described as genus.
Type species: *Callipterus robiniae* Gillette, 1907; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.
Apulicallis  Barbagallo & Patti, 1991  
Described as genus.  
Type species: *Apulicallis trojanae* Barbagallo & Patti, 1991; by original designation.  
Objective status: Available & potentially valid.  
Subjective status: Valid.  
Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina.

Arakawana  Matsumura, 1917  
Publication reference: Journal of the College of Agriculture, Tohoku Imperial University, 7: 375.  
Described as genus.  
Type species: *Arakawana stigmata* Matsumura, 1917; by original designation.  
Objective status: Available & potentially valid.  
Subjective status: Valid.  
Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina — Subgenus of *Tuberculatus* Mordvilko, 1894.

Archeoessigella  Sorensen, 1994  
Described as subgenus of *Essigella* del Guercio, 1909.  
Type species: *Essigella kathleenae* Sorensen, 1988; by original designation.  
Objective status: Available & potentially valid.  
Subjective status: Valid.  

Archilachnus  Buckton, 1883  
Described as genus.  
Type species: *Archilachnus pennatus* Buckton, 1883; by monotypy.  
Objective status: Available & potentially valid.  
Subjective status: Junior synonym of *Siphonophoroides* Buckton, 1883.

Arctaphis  Walker, 1870  
Described as genus.  
Type species: *Aphis populeti* Panzer, 1801; by monotypy & actuation of Nieto Nafria *et al.* (2010: 67) under the Article 70.3.2 of the ICZN.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Chaitophorus* Koch, 1854.

*Aresha* Mordvilko, 1921

Described as genus.
Type species: *Aresha shelkovnikovi* Mordvilko, 1921; by monotypy; junior synonym of *Toxoptera ruabdominalis* Sasaki, 1899.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Rhopalosiphum* Koch, 1854.

*Arimakia* Matsumura, 1917

Publication reference: Journal of the College of Agriculture, Tohoku Imperial University, 7: 405.
Described as genus.
Type species: *Arimakia araliae* Matsumura, 1917; by original designation; junior synonym of *Longiunguis odinae* van der Goot, 1917.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Toxoptera* Koch, 1856.

*Aristaphis* Kirkaldy, 1905

Described as genus.
Type species: *Aphis populea* Kaltenbach, 1843; denoted by new replacement name (Article 67.8).
Objective status: Available & potentially valid.
Useful information about the objective status: Replacement name (*nomen novum*) for *Aphioides* Passerini, 1860.
Subjective status: Junior synonym of *Pterocomma* Buckton, 1879.

*Artemisaphis* Knowlton & Roberts, 1947

Described as genus.
Type species: *Aphis artemisicola* Williams, 1911; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

*Asiataphis* Narzikulov, 1970

Described as genus.
Type species: *Aphis verbasci* Narzikulov, 1970; by original designation; junior synonym of *Aphis verbasci* Schrank, 1801.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aphis Linnaeus, 1758*.

### Asiphon

Börner, 1952


Described as genus.

Type species: *Aphis tremulae* Linnaeus, 1761; denoted by unjustified emendation (Article 67.8).

Objective status: Available but invalid — Unjustified emendation & Junior objective synonym of *Asiphum* Koch, 1856.

### Asiphonaphis

Wilson & Davis, 1919


Described as genus.

Type species: *Asiphonaphis pruni* Wilson & Davis, 1919; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Rhopalosiphina.

### Asiphonella

Theobald, 1923


Described as genus.

Type species: *Asiphonella dactylonii* Theobald, 1923; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Fordini.

### Asiphum

Koch, 1856


Described as genus.

Type species: *Aphis tremulae* Linnaeus, 1761; by subsequent designation (Gerstaecker, 1859: 249) & actuation of Nieto Nafría et al. (2010: 67) under the Article 70.3.2 of the ICZN.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Asiphon* Börner, 1952.
Subjective status: Junior synonym of *Pachypappa* Koch, 1856.

**Aspidaphis** Gillette, 1917

- Described as genus.
- Type species: *Aspidaphis polygoni* Gillette, 1917; by monotypy; junior synonym of *Aphis adjuvans* Walker, 1848.
- Objective status: Available & potentially valid.
- Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Aspidaphium** Börner, 1939

- Described as genus.
- Type species: *Aspidaphium escherichi* Börner, 1939; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Valid.

**Astegopteryx** Karsch, 1890

- Described as genus.
- Type species: *Astegopteryx styracophila* Karsch, 1890; by original designation.
- Objective status: Available & potentially valid.
- Taxonomic position: Aphididae Hormaphidinae Cerataphidini.

**Asterobium** Hille Ris Lambers, 1938

- Described as subgenus of *Macrosiphoniella* Del Guercio, 1911.
Type species: *Aphis asteris* Walker, 1849; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Macrosiphoniella* Del Guercio, 1911.

**Atarsaphis** Takahashi, 1958

Described as genus.
Type species: *Atarsaphis quercus* Takahashi, 1958; by original designation; junior synonym of *Hamamelistes agrifoliae* Ferris, 1921.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

**Atarsos** Gillette, 1911

Described as genus.
Type species: *Atarsos grindeliae* Gillette, 1911; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Atheroides** Haliday, 1838

Publication reference: Annals and Magazine of the Natural History, 2 (9): 189.
Described as genus.
Type species: *Atheroides serrulatus* Haliday, 1839; by subsequent designation (Kirkaldy, 1906: 10).
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of *Crealachnus* Paik, 1971.
Taxonomic position: Aphididae Chaitophorinae Siphini.

**Aulacophora** Tao, 1963

Described as genus.
Type species: *Amphorophora formosana* Takahashi, 1923; by original designation.
Objective status: Available but invalid — Junior homonym of *Aulacophora Dejean, 1835* (Coleoptera), and *Aulacophora* Jeffreys, 1882 (Mollusca).
Useful information about the objective status: Replaced by *Aulacophoroides* Tao, 1976 (*nomen novum*).
**Aulacophoroides** Tao, 1976


Described as genus.

Type species: *Amphorophora formosana* Takahashi, 1923; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Aulacophora* Tao, 1963.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Aulacorthum** Mordvilko, 1914


Described as genus.

Type species: *Aphis solani* Kaltenbach, 1843; by monotypy & actuation of Nieto Nafria *et al.* (2010: 27) under the Article 70.3.2 of the ICZN.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Neomacrosiphum* van der Goot, 1915.

Subjective status: Valid — Senior synonym of *Dysaulacorthum* Börner, 1939, *Neomacrosiphum* van der Goot, 1915, and *Pseudomegoura* Shinji, 1922.


**Avicennina** Narzikulov, 1957


Described as genus.

Type species: *Avicennina sogdiana* Narzikulov, 1957; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Bacillaphis** Quednau, 1954

Publication reference: Mitteilungen aus der Biologischen Zentralanstalt für Land- und Forstwirtschaft, 78: 38.

Described as genus.

Type species: *Saltusaphis ornata* Theobald, 1927; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Subsaltusaphis* Quednau, 1952.
Register of genus-group taxa of Aphidoidea

Baizonga Rondani, 1848


Described as genus.

Type species: *Aphis pistaciae* Linnaeus, 1767; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name for *Dasia* van der Goot, 1918.

Subjective status: Valid — Senior synonym of *Dasia* van der Goot, 1918, and *Pemphigella* Tullgren, 1909.

Taxonomic position: Aphididae Eriosomatinae Fordini.

Baizongiella Blanchard (E.E.), 1944

Publication reference: Acta Zoologica Lilloana, 2: 44.

Described as genus.

Type species: *Baizongiella solanophila* Blanchard (E.E.). 1944; by monotypy; junior synonym of *Pemphigus canadensis* Del Guercio, 1913.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Pemphigus* Hartig, 1839.

Balticaphis Heie, 1967


Described as genus.

Type species: *Balticaphis exsiccata* Heie, 1967; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Saltusaphidinae.

Baltichaitophorus Heie, 1967


Described as genus.

Type species: *Baltichaitophorus jutlandicus* Heie, 1967; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Baltichaitophorinae.

Balticomaraphis Heie, 1967


Described as genus.

Type species: *Balticomaraphis latens* Heie, 1967; by original designation.
Registro de los taxones del nivel género de Aphidoidea (Hemiptera Sternorrhyncha).

**Balticorostrum** Heie, 1967
- Publicación referencia: Spolia Zoologica Musei Hauniensis, 26: 77.
- Especies: *Germaraphis* (Balticorostrum) oblonga Heie, 1967; por designación original.

**Belochilum** Börner, 1931
- Especies: *Siphonophora inulae* Ferrari, 1872; por monotipo y actuaación de Nieto Nafria *et al.* (2010: 67) por el Artículo 70.3.2 del ICZN.

**Berberidaphis** Narzikulov, 1960
- Especies: *Liosomaphis lydiae* Narzikulov, 1957; por designación original.

**Berendtaphis** Heie, 1971
- Especies: *Lachnus cimicoides* Germar & Berendt, 1856; por designación original.
**Betacallis** Matsumura, 1919
- Described as genus.
- Type species: *Betacallis alnicolens* Matsumura, 1919; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Valid.
- Taxonomic position: Aphididae Calaphidinae Calaphidini Calaphidina.

**Betulaphis** Glendenning, 1926
- Publication reference: Canadian Entomologist, 58: 96.
- Described as genus.
- Type species: *Betulaphis occidentalis* Glendenning, 1926; by original designation; junior synonym of *Aphis quadrituberculata* Kaltenbach, 1843.
- Objective status: Available & potentially valid.
- Subjective status: Valid.
- Taxonomic position: Aphididae Calaphidinae Calaphidini Calaphidina.

**Biamoaphis** Heie, 1989
- Described as genus.
- Type species: *Biamoaphis antiqua* Heie, 1989; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Valid.
- Taxonomic position: Aphididae Eriosomatinae.

**Bicaudella** Rusanova, 1943
- Described as genus.
- Type species: *Bicaudella astragalensis* Rusanova, 1943; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Valid.
- Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

**Bipersona** Hottes, 1926
- Described as genus.
- Type species: *Aphis torticauda* Gillette, 1907; by original designation.
- Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Bituberculaphis** Rusanova, 1943
Described as genus.
Type species: *Bituberculaphis inexpectata* Rusanova, 1943; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

**Blanchardaphis** Ortego, Nieto Nafría & Mier Durante, 1998
Described as genus.
Type species: *Blanchardia poikila* Ortego, Nieto Nafría & Mier Durante, 1997; denoted by new replacement name (Article 67.8).
Objective status: Available & potentially valid.
Useful information about the objective status: Replacement name (*nomen novum*) for *Blanchardia* Ortego, Nieto Nafría & Mier Durante, 1997.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Blanchardia** Ortego, Nieto Nafría & Mier Durante, 1997
Described as genus.
Type species: *Blanchardia poikila* Ortego, Nieto Nafría & Mier Durante, 1997; by original designation.
Objective status: Available but invalid — Junior homonym of *Blanchardia* Castelnau, 1875 (Actinopterygii), *Blanchardia* Bucheker, 1880 (Lepidoptera), *Blanchardia* Wierzejski, 1890 (Protozoa), *Blanchardia* Brongniart, 1893 (Prototheca), *Blanchardia* Blatchley, 1910 (Coleoptera), *Blanchardia* Gedroye 1915 (Hirudinea).
Useful information about the objective status: Replaced by *Blanchardaphis* Ortego, Nieto Nafría & Mier Durante, 1998 (*nomen novum*).

**Boernerina** Bramstedt, 1940
Described as genus.
Type species: *Boernerina depressa* Bramstedt, 1940; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of *Boerterinella* Hille Ris Lambers & Hottes, 1962.

Taxonomic position: Aphididae Calaphidinae Calaphidini Calaphidina.

*Boerterinella* Hille Ris Lambers & Hottes, 1962


Described as subgenus of *Boerterina* Bramstedt, 1940.

Type species: *Boerterina (Boerterinella) occidentalis* Hille Ris Lambers & Hottes, 1962; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Boerterina* Bramsted, 1940.

*Boisduvalia* Signoret, 1868


Described as genus.

Type species: *Coccus lataniae* Boisduval, 1867; by original designation.

Objective status: Available but invalid — Junior homonym of *Boisduvalia* Robineau-Desvoisy, 1830 (Diptera).

Useful information about the objective status: Replaced by *Cerataphis* Lichtenstein, 1882.

*Bolshayanoecia* Heie, 1989


Described as genus.

Type species: *Bolshayanoecia rasnitsyni* Heie, 1989; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Anoeciinae.

*Boreamyzus* Shaposhnikov, 1964

Publication reference: Bei Bienko [Ed.], Opredelitel' nasekomykh evropeyskoy chasti SSSR, 1: 590.

Described as subgenus of *Ericaphis* Börner, 1939

Type species: *Ovatus latifrons* Börner, 1942; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Ericaphis* Börner, 1939.

*Bozhkoja* Shaposhnikov, 1964


Described as subgenus of *Brevicoryne* Das (B.), 1915.

Type species: *Brevicoryne crambe* Bozhko, 1950; by monotypy.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Brevicoryne* Das (B.), 1915.

**Brachycorynella** Börner, 1930

Described as genus.
Type species: *Aphis napelli* Schrank, 1801; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Brachycorynella* van der Goot, 1934.

**Brachycoryne** Aizenberg, 1935

Described as genus.
Type species: *Brachycorynella asparagi* Mordvilko, 1929; by original designation.
Objective status: Available but invalid — Junior homonym of *Brachycoryne* Mabill, 1883 (Lepidoptera).
Useful information about the objective status: Replaced by *Brachycorynella* Aizenberg, 1954 (*nomen novum*).
Brachycorynella Aizenberg, 1954


Described as genus.

Type species: Brachycorynella asparagi Mordvilko, 1929; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (nomen novum) for Brachycoryne Aizenberg, 1935.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Brachymyzus Basu (A.N.), 1964


Described as genus.

Type species: Brachymyzus jasmini Basu (A.N.), 1964; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Brachysiphoniella Takahashi, 1921


Described as genus.

Type species: Brachysiphoniella graminii Takahashi, 1920; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Brachysiphum van der Goot, 1913


Described as genus.

Type species: Aphis thalictri Koch, 1854; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of Aphis Linnaeus, 1758.

Brachyunguis Das (B.), 1918


Described as genus.

Type species: Brachyunguis harmalae Das (B.), 1918; by subsequent designation (Börner & Schilder, 1930: 183).
Objective status: Available & potentially valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina — With subgenera *Brachyunguis* and *Xerophilaphis* Nevsky, 1928.

**Bradyaphis** Mordvilko, 1894

Publication reference: Raboty iz Laboratorii Zoologicheskago Kabineta Imperatorskago Varshavskago Universiteta, 8: 46.

Described as genus.

Type species: *Aphis antennata* Kaltenbach, 1843; by original designation.

Objective status: Available but invalid — Junior objective synonym of *Monaphis* Walker, 1870.

**Braggia** Gillette & Palmer, 1929


Described as genus.

Type species: *Braggia echinata* Gillette & Palmer, 1929; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

**Brasilaphis** Mordvilko, 1930


Described as genus.

Type species: *Brasilaphis bondari* Mordvilko, 1930; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Greenideinae Cervaphidini.

**Brevicaudus** Shaposhnikov, 1964


Described as subgenus of *Brachycaudus* van der Goot, 1913.

Type species: *Aphis amygdalinus* Schouteden, 1905; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Mordvilkomemor* Shaposhnikov, 1950.

**Brevicorynaphis** Hille Ris Lambers, 1956


Described as genus.
Type species: *Brevicorynaphis schneideri* Hille Ris Lambers, 1956; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Smiela* Mordvilko, 1948.

**Brevicoryne** Das (B.), 1915
Described as genus.
Type species: *Aphis brassicae* Linnaeus, 1758; by monotypy.
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of *Bozhkoja* Shaposhnikov, 1964.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Brevicorynella** Nevsky, 1929
Described as genus.
Type species: *Brevicorynella quadrimaculata* Nevsky, 1929; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Brevisiphonaphis** Stekolshchikov & Qiao, 2008
Described as genus.
Type species: *Brevisiphonaphis hirsutissima* Stekolshchikov & Qiao, 2008; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Brevitrichosiphon** Raychaudhuri (D.N.), Ghosh (M.R.), Banerjee (M.) & Ghosh (A.K.), 1973
Publication reference: Kontyû, 41: 54.
Described as genus.
Type species: *Brevitrichosiphon mukerjii* Raychaudhuri (D.N.), Ghosh (M.R.), Banerjee (M.) & Ghosh (A.K.), 1973; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Eutrichosiphum* Essig & Kuwana, 1918.
**Brysocrypta** Westwood, 1840

- **Publication reference:** An introduction to the modern classification of Insects, vol II: 118.
- **Described as genus.**
- **Type species:** *Eriosoma ulmigallarum* Haliday, 1838; by original designation; junior synonym of *Tetraneura ulmi* Linnaeus, 1758.
- **Objective status:** Available but invalid — Junior objective synonym of *Byrsocrypta* Haliday, 1838. Invalid under plenary powers by the International Commission on Zoological Nomenclature [Opinion 1019].
- **Useful information about the objective status:** Name placed on the Official Index of Rejected and Invalid Names in Zoology [Opinion 1019; name number 2048].

**Buchneria** Börner, 1952

- **Described as genus.**
- **Type species:** *Aphis pectinatae* Nördlinger, 1880; by original designation.
- **Objective status:** Available & potentially valid.
- **Subjective status:** Junior synonym of *Cinara* Curtis, 1835.

**Bucktonia** Lichtenstein, 1896

- **Publication reference:** Monographie des Pucerons du Peuplier: 17.
- **Described as subgenus of *Pemphigus* Hartig, 1839.**
- **Type species:** *Pemphigus affinis* Kaltenbach, 1843; by original designation.
- **Objective status:** Available & potentially valid.
- **Subjective status:** Junior synonym of *Thecabius* Koch, 1857.

**Bursaphis** MacVicar Baker, 1934

- **Publication reference:** Anales del Instituto de Biología de la Universidad Nacional de México, 5: 217.
- **Described as genus.**
- **Type species:** *Bursaphis solitaria* MacVicar Baker, 1934; by original designation.
- **Objective status:** Available & potentially valid.
- **Subjective status:** Valid.
- **Taxonomic position:** Aphididae Aphidinae Aphidini Aphidina — Subgenus of *Aphis* Linnaeus, 1758.

**Burundiaphis** Remaudière, 1985

- **Publication reference:** Remaudière & Autrique [Eds.], Etude FAO Production Végétal et Protection des Plantes, 64: 176.
Described as genus.

Type species: *Burindiaphis autriquei* Remaudière, 1985; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

*Byrsocrypta* Haliday, 1838


Described as genus.

Type species: *Eriosoma ulmigallarum* Haliday, 1838; by subsequent designation (Fitch, 1855: 711); Junior synonym of *Tetraneura ulmi* Linnaeus, 1758.

Objective status: Available but invalid — Invalid under plenary powers by the International Commission on Zoological Nomenclature [Opinion 1019].

Useful information about the objective status: Name placed on the Official Index of Rejected and Invalid Names in Zoology [Opinion 1019; name number 2047]. Replaced by *Tetraneura* Hartig, 1841.

*Byrsocryptoides* Dzhibladze, 1960


Described as genus.

Type species: *Byrsocryptoides zelkovae* Dzhibladze, 1960; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Eriosomatini.

*Cachryphora* Oestlund, 1923


Described as genus.

Type species: *Rhopalosiphum serotinae* Oestlund, 1887; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

*Calaphis* Walsh, 1862

Described as genus.
Type species: *Calaphis betulella* Walsh, 1862; by monotypy.
Objective status: Available & potentially valid.

Useful information about the objective status: Name placed on Official List of Generic Names in Zoology [Opinion 1358; name number 2294].
Taxonomic position: Aphididae Calaphidinae Calaphidini Calaphidina.

**Californicallis** Quednau & Remaudière, 1994
Publication reference: Canadian Entomologist, 126: 310.
Described as subgenus of *Myzocallis* Passerini, 1860.
Type species: *Myzocallis agrifolicola* Richards, 1966; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.

**Callaphis** Walker, 1870
Described as genus.
Type species: *Aphis juglandis* Goeze, 1778; by original designation.
Objective status: Available but invalid — Suppressed by the International Commission on Zoological Nomenclature, 1985 [Opinion 1358].
Useful information about the objective status: Name placed on the Official Index of Rejected and Invalid Generic Names in Zoology [Opinion 1358; name number 2171]; see *Panaphis* Kirkaldy, 1904.

**Callipterinella** van der Goot, 1913
Publication reference: Tijdschrift voor Entomologie, 56: 118.
Described as genus.
Type species: *Aphis betularia* Kaltenbach, 1843; by original designation; junior synonym of *Aphis tuberculata* von Heyden, 1837.
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of *Procalaphis* Quednau, 1954.
Taxonomic position: Aphididae Calaphidinae Calaphidini Calaphidina.

**Callipterinola** Strand, 1928
Publication reference: Archiv für Naturgeschichte, (A), 92 (8) [1926]: 47.
Described as genus.
Type species: *Aphis juglandis* Goeze, 1778; by original designation.
Objective status: Available but invalid — Junior objective synonym of
Panaphis Kirkaldy, 1904, and of Callipterus Koch, 1855.

Callipteroidea Mordvilko, 1909
Described as genus.
Type species: Aphis nigritarsis von Heyden, 1837; by original designation; junior synonym of Aphis punctipennis Zetterstedt, 1828.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of Euceraferis Walker, 1870.

Callipterus Koch, 1855
Described as genus.
Type species: Aphis juglandis Goeze, 1778; by subsequent designation (Passerini, 1860: 29).
Objective status: Available but invalid — Junior homonym of Callipterus Agassiz, 1847 (Coleoptera).
Useful information about the objective status: Replaced by Panaphis Kirkaldy, 1904.

Camelaphis Hille Ris Lambers, 1974
Described as subgenus of Tuberculatus Mordvilko, 1894.
Type species: Tuberculatus (Camelaphis) cornutus Richards, 1969; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of Tuberculatus Mordvilko, 1894.

Canadaphis Essig, 1937
Publication reference: Carpenter, University of Toronto Studies in Geology Series, 40: 19.
Described as genus.
Type species: Canadaphis carpenteri Essig, 1937; by monotypy.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Canadaphididae.

Canaphis Heie, 2006
Described as genus.
Type species: Canaphis albertensis Heie, 2006; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae.

**Capitophoraphis** Blanchard (E.E.), 1944

Publication reference: Acta Zoológica Lilloana, 2: 34.
Described as genus.
Type species: *Capitophoraphis williamsoni* Blanchard (E.E.), 1944; by original designation; junior synonym of *Aphis rufomaculata* Wilson, 1908.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Coloradoa* Wilson, 1910.

**Capitophorinus** Börner, 1931

Described as subgenus of *Capitophorus* van der Goot, 1913.
Type species: *Capitophorus similis* van der Goot, 1915; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Capitophorus* van der Goot, 1913.

**Capitophorus** van der Goot, 1913

Described as genus.
Type species: *Aphis carduina* Walker, 1850; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of *Capitophorinus* Börner, 1931.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Capitosiphon** Heie, 1979

Described as subgenus of *Nasonovia* Mordvilko, 1914.
Type species: *Macrosiphum crenicornum* Smith & Knowlton, 1939; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Nasonovia* Mordvilko, 1914.

**Capraphis** Mier Durante, Ortego & Nieto Nafria, 2009

Described as genus.
Type species: *Capraphis blackmani* Mier Durante, Ortego & Nieto Nafria,
2009; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Caricaphis** Börner, 1930

Described as genus.
*Type species:* *Chaitophorus flabellus* Sanborn, 1904; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Iziphya* Nevsky, 1929.

**Caricosipha** Börner, 1939

Described as genus.
*Type species:* *Caricosipha paniculatae* Börner, 1939; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Chaitophorinae Siphini.

**Carolinaia** Wilson, 1911

Described as genus.
*Type species:* *Carolinaia caricis* Wilson, 1911; by monotypy.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Carolinaia, Glabromyzus* Richards, 1960, and *Juncomyzus* Hille Ris Lambers, 1965

**Casimira** Eastop, 1966

Described as genus.
*Type species:* *Aphis canberrae* Eastop, 1961; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

**Castaneomyzocallis** Quednau & Remaudière, 1987

Described as subgenus of *Myzocallis* Passerini, 1860.
Type species: *Aphis castaneae* Fitch, 1856; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.

*Castanocallis* Zhang (G.-x.) & Zhong, 1981
Described as genus.
Type species: *Castanocallis castanocallis* Zhang (G.-x.) & Zhong, 1981; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Nippocallis* Matsumura, 1917.

*Catamergus* Oestlund, 1923
Described as genus.
Type species: *Nectarophora fulvae* Oestlund, 1887; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

*Catacneura* Scudder, 1890
Described as genus.
Type species: *Catacneura absens* Scudder, 1890; by subsequent designation (Heie, 1967: 205); Junior synonym of *Archilachnus pennatus* Buckton, 1883.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Siphonophoroides* Buckton, 1883.

*Cavahyalopterus* Mimeur, 1942
Described as genus.
Type species: *Cavahyalopterus graminearum* Mimeur, 1942; by original designation; junior synonym of *Brachycolus noxius* Kurdiumov, 1913.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Diuraphis* Aizenberg, 1935.
**Cavaraiellia** Heinze, 1960

Publication reference: Beiträge zur Entomologie [Berlin], 10 (7-8): 810.
Described as subgenus of *Cavariella* Del Guercio, 1911.
Type species: *Cavariella hillerislambersi* Ossiannilsson, 1959; by original designation; junior synonym of *Siphocoryne aquatica* Gillette & Bragg, 1916.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini; Subgenus of *Cavariella* Del Guercio, 1911.

**Cavaraiellopsis** Heinze, 1960

Publication reference: Beiträge zur Entomologie [Berlin], 10: 808.
Described as genus.
Type species: *Cavariella saxifragae* Remaudière, 1959; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Cavariella* Del Guercio, 1911.

**Cavariella** Del Guercio, 1911

Publication reference: Redia, 7: 323.
Described as genus.
Type species: *Aphis pastinacae* Linnaeus, 1758; by original designation.
Objective status: Available & potentially valid.

**Cavariellinepicauda** Ivanovskaja, 1980

Publication reference: Cherepanov [Ed.], Novye i Maloizvestnye Vidy Fauny Sibiri, 14: 84.
Described as genus.
Type species: *Cavariella longicauda* Ivanovskaja, 1978; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Cavariella* Del Guercio, 1911.

**Cedoaphis** Oestlund, 1923

Publication reference: Nineteenth Report [1922] of the State Entomologist of
Registros de los taxones del nivel familia y del nivel género de Aphioidae (Hemiptera Sternorrhyncha). 81-404, 2010

Minnesota: 127.
Described as genus.
Type species: *Cedoaphis incognita* Hottes & Frison, 1931; by subsequent designation (Hottes & Frison, 1931: 438).
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

*Cedrobium* Remaudière, 1954
Described as genus.
Type species: *Cedrobium laportei* Remaudière, 1954; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Lachninae Eulachnini — Subgenus of *Cinara* Curtis, 1835.

*Cepegillettea* Granovsky, 1928
Described as genus.
Type species: *Cepegillettea betulaefoliae* Granovsky, 1928; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Calaphidinae Calaphidini Calaphidina.

*Cerasomyzus* Narzikulov, 1958
Described as subgenus of *Myzus* Passerini, 1860.
Type species: *Myzus (Cerasomyzus) bozhkoae* Narzikulov, 1958; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Aphidura* Hille Ris Lambers, 1956.

*Cerataphis* Lichtenstein, 1882
Described as genus.
Type species: *Coccus lataniae* Boisduval, 1867; by monotypy.
Objective status: Available & potentially valid.
Useful information about the objective status: Replacement name for Boisduvalia Signoret, 1868.

Subjective status: Valid — Junior synonym of Boisduvalia Signoret, 1868 (an invalid name).

Taxonomic position: Aphididae Hormaphidinae Cerataphidini.

**Ceratocallis** Qiao & Zhang (G.-x.), 1999


Described as genus.

Type species: *Ceratocallis camellis* Qiao & Zhang (G.-x.), 1999; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Cerataphidini.

**Ceratoglyphina** van der Goot, 1917


Described as genus.

Type species: *Ceratoglyphina bambusae* van der Goot, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Cerataphidini.

**Ceratopemphigiella** Menon & Pawar, 1958


Described as genus.

Type species: *Ceratopemphigiella delhieinsis* Menon & Pawar, 1958; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.

**Ceratopemphigus** Schouteden, 1905


Described as genus.

Type species: *Ceratopemphigus zehntneri* Schouteden, 1905; by monotopy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.
**Ceratovacuna** Zehntner, 1897
- Type species: *Ceratovacuna lanigera* Zehntner, 1897; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Valid.
- Taxonomic position: Aphididae Hormaphidinae Cerataphidini.

**Cerciaphis** Theobald, 1920
- Description: Publication reference: Bulletin of Entomological Research, 11: 70.
- Type species: *Cerciaphis bougainvilleae* Theobald, 1920; by monotypy; junior synonym of *Setaphis lutea* van der Goot, 1917.
- Objective status: Available & potentially valid.
- Subjective status: Junior synonym of *Schoutedenia* Rübsaamen, 1905.

**Ceriferella** Carver & Martyn, 1965
- Type species: *Ceriferella leucopogonis* Carver & Martyn, 1965; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Valid.
- Taxonomic position: Aphididae Lizeriinae.

**Cerosipha** Del Guercio, 1900
- Type species: *Cerosipha passeriniana* Del Guercio, 1900; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

**Ceruraphis** Börner, 1926
- Type species: *Aphis viburnicola* Börner 1916; by monotypy & actuation of Nieto Nafria et al. (2010: 67) under the Article 70.3.2 of the ICZN; Junior
synonym of *Aphis eriophori* Walker, 1848.
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of *Neoceruraphis* Shaposhnikov, 1956.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

*Cervaphis* van der Goot, 1917
Described as genus.
Type species: *Cervaphis schoutenii* van der Goot, 1917; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of *Diverosiphum* Shinji, 1922.
Taxonomic position: Aphididae Greenideinae Cervaphidini.

*Ceylonia* Buckton, 1891
Described as genus.
Type species: *Ceylonia theaecola* Buckton, 1891; by monotypy; junior synonym of *Aphis aurantii* Boyer de Fonscolombe, 1841.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Toxoptera* Koch, 1856.

*Chaetogeoica* Remaudière & Tao, 1957
Described as genus.
Type species: *Pemphigella foliodentata* Tao, 1947; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of *Selibaizongia* Zhang (G.-x.), 1995.
Taxonomic position: Aphididae Eriosomatinae Fordini.

*Chaetomyzus* Ghosh (A.K.) & Raychaudhuri (D.N.), 1962
Described as genus.
Type species: *Chaetomyzus rhododendri* Ghosh (A.K.) & Raychaudhuri (D.N.), 1962; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Registros de los taxones del nivel familia y del nivel género de Aphidoidea (Hemiptera Sternorrhyncha). 81-404, 2010

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Chaetophorella** Börner, 1940

- Described as genus.
- Type species: *Chaitophorus lyropictus* Kessler, 1886; by original designation & actuation of Nieto Nafría et al. (2010: 67) under the Article 70.3.2 of the ICZN.
- Objective status: Available but invalid — Junior synonym of *Chaitophorus* Börner, 1930.

**Chaetophoria** Börner, 1940

- Described as genus.
- Type species: *Chaitophorus xanthomelas* Koch, 1854; by original designation; junior synonym of *Aphis aceris* Linnaeus, 1761.
- Objective status: Available & potentially valid.
- Subjective status: Junior synonym of *Periphyllus* van der Hoeven, 1863.

**Chaetosiphella** Hille Ris Lambers, 1939

- Described as genus.
- Type species: *Sipha berlesei* Del Guercio, 1905; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Valid.
- Taxonomic position: Aphididae Chaitophorinae Siphini.

**Chaetosiphon** Mordvilko, 1914

- Described as genus.
- Type species: *Capitophorus chaetosiphon* Nevsky, 1928; by subsequent designation (Börner, 1930: 175).
- Objective status: Available & potentially valid.
- Subjective status: Valid.

**Chaitaphis** Nevsky, 1928

- Described as genus.
- Type species: *Chaitaphis tenuicauda* Nevsky, 1928; by original designation.
- Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Chaitocallipterus** Theobald, 1927
Publication reference: The Plant Lice or Aphididae of Great Britain, 2: 329.
Described as genus.
Type species: There is none.
Objective status: Available & potentially valid.
Subjective status: Nomen dubium — Aphididae.

**Chaitogenophorus** Zhang (G.-x.), Qiao & Chen, 1999
Described as genus.
Type species: *Chaitogenophorus yuzhongensis* Zhang (G.-x.), Qiao & Chen, 1999; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Chaitophorinae Chaitophorini.

**Chaitomyzus** Takahashi, 1960
Described as genus.
Type species: *Chaitomyzus hirticornis* Takahashi, 1960; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Chaetosiphon* Mordvilko, 1914.

**Chaitophoraphis** Shinji, 1923
Described as genus.
Type species: *Chaitophoraphis acerifloris* Shinji, 1923; by monotypy; junior synonym of *Yamatocallis hirayamae* Matsumura, 1917.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Yamatocallis* Matsumura, 1917.

**Chaitophorinella** van der Goot, 1913
Described as genus.
Type species: *Phillophorus testudinatus* Thornton, 1853; by monotypy; junior synonym of *Phyllophora testudinacea* Fernie, 1852.
Objective status: Available but invalid — Junior objective synonym of *Phillophorus* Thornton, 1853.
Useful information about the objective status: Replaced by *Periphyllus* van der Hoeven, 1863.
Subjective status: Junior synonym of *Periphyllus* van der Hoeven, 1863.

**Chaitophorinus** Börner, 1930
Described as genus.
Type species: *Chaitophorus lyropictus* Kessler, 1866; by original designation.
Objective status: Available & potentially valid.
Useful information about the objective status: Senior objective synonym of *Chaetophorella* Börner, 1940.
Subjective status: Junior synonym of *Periphyllus* van der Hoeven, 1863.

**Chaitophoroides** Mordvilko, 1909
Publication reference: Ezhegodnik Zoologicheskago Muzeya Imperatorskoy Akademii Nauk, 13 (4) [1908]: 382.
Described as genus.
Type species: *Aphis lantanae* Koch, 1854; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

**Chaitophorus** Koch, 1854
Described as genus.
Type species: *Chaitophorus leucomelas* Koch, 1854; by designation under the plenary powers by the International Commission on Zoological Nomenclature [Opinion 1161].
Objective status: Available & potentially valid.
Useful information about the objective status: Name placed in the Official Lists of Generic Names in Zoology [Opinion 1161; name number 2108].
Replacement name for *Micrella* Essig, 1912.
Taxonomic position: Aphididae Chaitophorinae Chaitophorini.

**Chaitoregma** Hille Ris Lambers & Basu (A.N.), 1966
Publication reference: Entomologische Berichten [Amsterdam], 26: 15.
Described as genus.
Type species: *Oregma tattakana* Takahashi, 1925; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Hormaphidinae Cerataphidini.

**Chakrabartiaphis** Remaudière, 2001

Described as genus.
Type species: *Tubicauda hydrangeae* Chakrabarti & Bhattacharya, 1982; denoted by new replacement name (Article 67.8).
Objective status: Available & potentially valid.
Useful information about the objective status: Replacement name (*nomen novum*) for *Tubicauda* Chakrabarti & Bhattacharya, 1982.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Chelymorpha** Clarke, 1858

Described as genus.
Type species: *Chelymorpha phyllophora* Clarke, 1858; by original designation; junior synonym of *Phyllophora testudinacea* Fernie, 1852.
Objective status: Available but invalid — Junior homonym of *Chelymorpha* Dejean, 1835 (Coleoptera) and *Chelymorpha* Blanchard, 1845 (Coleoptera).
Useful information about the objective status: Replaced by *Periphyllus* van der Hoeven, 1863.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Chileaphis** Essig, 1953

Described as genus.
Type species: *Chileaphis michelbacheri* Essig, 1953; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.

**Chitinosiphon** Yuan & Xue, 1992

Described as genus.
Type species: *Chitinosiphon abdomenigrum* Yuan & Xue, 1992; by original designation.
Objective status: Available & potentially valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Chomaphis** Mordvilko, 1928

Described as genus.
Type species: *Chomaphis mira* Mordvilko, 1928; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

**Chondrillobium** Bozhko, 1961

Described as genus.
Type species: *Chondrillobium junceae* Bozhko, 1961; by original designation; junior synonym of *Hyalopteroides blattnyi* Pintera, 1959.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Chosoniella** Szelegiewicz, 1980

Described as subgenus of *Macrosiphoniella* Del Guercio, 1911.
Type species: *Macrosiphoniella myohyangsani* Szelegiewicz, 1980; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Macrosiphoniella* Del Guercio, 1911.

**Chromaphis** Walker, 1870

Described as genus.
Type species: *Lachnus juglandicola* Kaltenbach, 1843; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.
**Chromocallis** Takahashi, 1961


Described as genus.

Type species: *Chromophis nirecola* Shinji, 1933; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

**Chuansicallis** Tao, 1964


Described as genus.

Type species: *Chuansicallis chengtuensis* Tao, 1964; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Sinotherioaphis* Zhang (G.-x.), 1980.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

**Chucallis** Tao, 1964


Described as genus.

Type species: *Myzocallis bambusicola* Takahashi, 1921; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

**Chusiphuncula** Zhang (G.-x.), 1998


Described as genus.

Type species: *Chusiphuncula sorbarisucta* Zhang (G.-x.), 1998; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Cinara** Curtis, 1835


Described as genus.

Type species: *Aphis pini* Linnaeus, 1758; by designation under the plenary powers by the International Commission on Zoological Nomenclature; Opinions 398 and 399.
Objective status: Available & potentially valid.

Useful information about the objective status: Name placed in the Official Lists of Generic Names in Zoology [Opinion 399; name number 990].


Taxonomic position: Aphididae Lachninae Eulachnini — With subgenera *Cinara*, *Cedrobium* Remaudière, 1954, and *Cupressobium* Börner, 1940.

*Cinarella* Börner, 1949


Described as genus.

Type species: *Cinara laricicola* Börner, 1939; by original designation; junior synonym of *Lachniella laricis cuneomaculata* Del Guercio, 1909.

Objective status: Available but invalid — Junior homonym of *Cinarella* Hille Ris Lambers, 1948.

Useful information about the objective status: Replaced by *Cinarellia* Börner, 1949 (*nomen novum*).

*Cinarella* Hille Ris Lambers, 1948


Described as subgenus of *Cinara* Curtis, 1835.

Type species: *Lachmus pineus* Mordvilko, 1895; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior homonym of *Cinarella* Börner, 1949.

Subjective status: Junior synonym of *Cinara* Curtis, 1835.

*Cinarellia* Börner, 1952


Described as subgenus of *Cinara* Curtis, 1835.

Type species: *Cinara laricicola* Börner, 1939; denoted by new replacement name (Article 67.8); junior synonym of *Lachniella laricis cuneomaculata* Del Guercio, 1909.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen
novum) for Cinarella Börner, 1949.
Subjective status: Junior synonym of Cinara Curtis, 1835.

**Cinaria** Baker (A.C.), 1920


Described as genus.

Type species: Aphis pini Linnaeus, 1758; by original designation.

Objective status: Available but invalid — Junior objective synonym of Cinara Curtis, 1835.

Useful information about the objective status: Name placed in the Official Index of Rejected and Invalid Generic Names in Zoology [Opinion 399; name number 415].

**Cinaria** Börner, 1939


Described as genus.

Type species: Aphis laricis Walker, 1848; by original designation; junior synonym of Lachnus laricis Hartig, 1839.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of Cinara Curtis, 1835.

**Cinarina** Börner, 1939


Described as genus.

Type species: Lachnus viridescens Cholodkovsky, 1898; by original designation; junior synonym of Lachnus piceicola Cholodkovsky, 1896.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of Cinara Curtis, 1835.

**Cinaropsis** Börner, 1939


Described as genus.

Type species: Lachnus pinicola Kaltenbach, 1843; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of Cinara Curtis, 1835.

**Cladobius** Koch, 1856


Described as genus.
Type species: *Aphis populea* Kaltenbach, 1843; by monotypy.
Objective status: Available but invalid — Junior homonym of *Cladobius* Chevrolat, 1843 (Coleoptera).
Useful information about the objective status: Replaced by *Aphioides* Passerini, 1860 (*nomen novum*).

**Clavigerus** Szépligeti, 1883
Described as genus.
Type species: *Aphis salicis* Linnaeus, 1758; by monotypy.
Objective status: Available & potentially valid.
Useful information about the objective status: Senior objective synonym of *Melanoxanthus* Buckton, 1879, and *Melanoxantherium* Schouteden, 1901.
Subjective status: Junior synonym of *Pterocomma* Buckton, 1879.

**Clavisiphon** Del Guercio, 1930
Described as subgenus of *Anuraphis* Del Guercio, 1907.
Type species: *Rhopalosiphum elegans* Ferrari, 1872; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Eucarazzia* Del Guercio, 1921.

**Clavosiphum** Shinji, 1922
Described as genus.
Type species: *Clavosiphum adenocauli* Shinji, 1922; by subsequent designation (Takahashi, 1930: 15); Junior synonym of *Rhopalosiphum tiliae* Matsumura, 1918.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Rhopalosiphoninus* Baker (A.C.), 1920.

**Clethrobius** Mordvilko, 1928
Described as genus.
Type species: *Callipterus giganteus* Cholodkovsky, 1899; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Calaphidinae Calaphidini Calaphidina.

**Clydesmithia** Danielsson, 1990
Described as genus.

Type species: Clydesmithia canadensis Danielsson, 1990; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.

*Clypeoaphis* Soliman, 1937


Described as genus.

Type species: Clypeoaphis suaedae Soliman, 1937; by original designation; junior synonym of Longicaudus suaedae Mimeur, 1934.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

*Codonopsimyzus* Lee (S.H.), 2002

Publication reference: Canadian Entomologist, 134: 634.

Described as genus.

Type species: Codonopsimyzus sasammi Lee, 2002; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

*Colopha* Monell, 1877


Described as genus.

Type species: Byrsocrypta ulmicola Fitch, 1859; by original designation.

Objective status: Available & potentially valid.


Taxonomic position: Aphididae Eriosomatinae Eriosomatini.

*Colophella* Börner, 1926


Described as genus.

Type species: Tetraneura graminis Monell, 1882; by monotypy; junior synonym of Byrsocrypta ulmicola Fitch, 1859.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of Colophella Monell, 1877.
**Colophina** Börner, 1931


Described as genus.

Type species: *Pemphigus clematicola* Takahashi, 1924; by monotypy; junior synonym of *Pemphigus clematis* Shinji, 1922.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Eriosomatini.

**Coloradoa** Wilson, 1910


Described as genus.

Type species: *Aphis rufomaculata* Wilson, 1908; by original designation.

Objective status: Available & potentially valid.


Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Comaphis** Börner, 1940

Publication reference: Neue Blattläuse aus Mitteleuropa: 3.

Described as genus.

Type species: *Doralis corniella* Hille Ris Lambers, 1935; by original designation; junior synonym of *Aphis salicariae* Koch, 1855.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

**Conicaudus** Heie, 1972


Described as genus.

Type species: *Conicaudus longipes* Heie, 1972; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Neophyllaphidinae.

**Corealachnus** Paik, 1971


Described as genus.

Type species: *Corealachnus suwonensis* Paik, 1971; by original designation; junior synonym of *Atheroides serrulatus* Haliday, 1839.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Atheroides* Haliday, 1837.

*Cornaphis* Gillette, 1913

Described as genus.
Type species: *Cornaphis populi* Gillette, 1913; by monotypy.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Eriosomatinae Pemphigini.

*Corylobium* Mordvilko, 1914

Described as genus.
Type species: *Aphis avellanae* Schrank, 1801; by subsequent designation (Mordvilko, 1928: 193).
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

*Corynosiphon* Mordvilko, 1914

Described as genus.
Type species: *Aphis capreae* Fabricius, 1775; by monotypy.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Cavariella* Del Guercio, 1911.

*Cotoneasteria* Shaposhnikov, 1964

Described as subgenus of *Dysaphis* Börner, 1931.
Type species: *Dentatus microsiphon* Nevsky, 1929; by monotypy.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Dysaphis* Börner, 1931.

*Cranaphis* Takahashi, 1939

Described as genus.
Type species: *Myzocallis formosana* Takahashi, 1924; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

**Crataegaria** Shaposhnikov, 1964
Publication reference: Bei Bienko [Ed.], Opreделитель насекомых европейской части СССР, 1: 582.
Described as subgenus of *Dysaphis* Börner, 1931.
Type species: *Aphis crataegi* Kaltenbach, 1843; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Dysaphis* Börner, 1931.

**Cretacallis** Shaposhnikov, 1979
Described as genus.
Type species: *Cretacallis polysensoria* Shaposhnikov, 1979; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae (Drepanosiphidae sensu Heie complex).

**Cretamyzus** Heie, 1992
Described as genus.
Type species: *Cretamyzus pikei* Heie, 1992; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Cretamyzidae.

**Cryptaphis** Hille Ris Lambers, 1947
Described as genus.
Type species: *Cryptaphis setiger* Hille Ris Lambers, 1947; by original designation; junior synonym of *Aphis poae* Hardy, 1850.
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of *Neodecorosiphon* Heinze, 1960.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Cryptomyzus** Oestlund, 1923
Described as genus.

Type species: *Aphis ribis* Linnaeus, 1758; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Myzella* Börner, 1930.


**Cryptosiphon** Börner, 1952


Described as genus.

Type species: *Cryptosiphum artemisiae* Buckton, 1879; denoted by unjustified emendation (Article 67.8).

Objective status: Available but invalid — Unjustified emendation & Junior objective synonym of *Cryptosiphum* Buckton, 1879.

**Cryptosiphum** Buckton, 1879


Described as genus.

Type species: *Cryptosiphum artemisiae* Buckton, 1879; by monotypy.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Cryptosiphon* Börner, 1932.

Subjective status: Valid — Senior synonym of *Pseudolachnus* Shinji, 1922.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Crypturaphis** Silvestri, 1935


Described as genus.

Type species: *Crypturaphis grassii* Silvestri, 1935; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Calaphidini Monaphidina.

**Ctenocallis** Klodnitsky, 1924


Described as genus.

Type species: *Ctenocallis dobrovljanskyi* Klodnitsky, 1924; by original
designación.

Objective status: Available & potentially valid.


Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

**Ctenopteryx** Zhang (G.-x.) & Qiao, 2003


Described as genus.

Type species: *Ctenopteryx eosocallis* Qiao & Zhang (G.-x.), 2003; by original designation.

Objective status: Available but invalid — Junior homonym of *Ctenopteryx* Flash, 1889 (Coleoptera) and *Ctenopteryx* Pfeffer, 1900 (Mollusca).

Useful information about the objective status: Replaced by *Ktenopteryx* Qiao & Zhang (G.-x.), 2003 (*nomen novum*).

**Cuernavaca** MacVicar Baker, 1934


Described as genus.

Type species: *Cuernavaca mexicana* MacVicar Baker, 1934; by original designation.

Objective status: Available but invalid — Junior homonym of *Cuernavaca* Kirkaldy, 1913 (Hemiptera, Auchenorrhyncha).

Useful information about the objective status: Replaced by *Diuraphis* Aizenberg, 1935.

**Cupressobium** Börner, 1940


Described as genus.

Type species: *Aphis juniperi* De Geer, 1773; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.


**Cyrtomophorodon** Zhang (G.-x.) & Qiao, 2000


Described as genus.

Type species: *Cyrtomophorodon cyrtomophilum* Qiao & Zhang (G.-x.), 2000; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Cyrtomyzus** Gredina, 1995


Described as genus.

Type species: *Cyrtomyzus pedicularis* Gredina, 1995; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Prunomyzus* Hille Ris Lambers & Rogerson, 1942.

**Dactynotus** Rafinesque, 1818


Described as subgenus of *Aphis* Linnaeus, 1758.

Type species: *Aphis hieraciumpaniculatum* Rafinesque, 1818; by subsequent designation (Börner & Schilder, 1930: 185).

Objective status: Available & potentially valid.

Subjective status: Nomen dubium — Sometimes used with a similar taxonomic sense to *Uroleucon* Mordvilko, 1914.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Dasia** Gómez-Menor, 1951


Described as genus.

Type species: *Brachyunguis carthami* Das (B.), 1918; by original designation.

Objective status: Available but invalid — Junior homonym of *Dasia* Gray, 1839 (Reptiles) and of *Dasia* van der Goot, 1918.

Useful information about the objective status: Replaced by *Alhambra* Gómez-Menor, 1958 (*nomen novum*).

**Dasia** van der Goot, 1918


Described as genus.

Type species: *Pemphigus aedificator* Buckton, 1839; by original designation; junior synonym of *Aphis pistaciae* Linnaeus, 1767.

Objective status: Available but invalid — Junior homonym of *Dasia* Gray, 1839 (Reptiles).

Useful information about the objective status: Replaced by *Baizongia* Rondani, 1848.
**Dasyaphis** Takahashi, 1938


Described as genus.

Type species: *Tuberocorpus onigurumi* Shinji, 1932; denoted by new replacement name (Article 67.8); junior synonym of *Glyphina rhusae* Shinji, 1922.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name for *Echinaphis* Mordvilko, 1929, and (*nomen novum*) for *Tuberocorpus* Shinji, 1932.

Subjective status: Valid — Senior synonym *Sinocallis* Tseng & Tao, 1938. Junior synonym of *Echinaphis* Mordvilko, 1929 (an invalid name).

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

**Davatchiaphis** Remaudière, 1964


Described as genus.

Type species: *Davatchiaphis persicus* Remaudière, 1964; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Davidsonia** Essig, 1912


Described as genus.

Type species: *Fullawaya saliciradicis* Essig, 1912; by monotypy.

Objective status: Available but invalid — Junior homonym of *Davidsonia* Bouchard-Chantereaux, 1849 (Brachiopoda, extinct).

Useful information about the objective status: Replaced by *Fullawaya* Essig, 1912 (*nomen novum*).

**Davisia** Del Guercio, 1909


Described as subgenus of *Lachmus* Burmeister, 1835.

Type species: *Aphis caryae* Harris, 1841; by subsequent designation (Eastop & Hille Ris Lambers, 1976: 171).

Objective status: Available but invalid — Junior objective synonym of *Longistigma* Wilson, 1909.
Debilisiphon Shaposhnikov, 1950
   Described as genus.
   Type species: Debilisiphon umbelliferarum Shaposhnikov, 1950; by original designation.
   Objective status: Available & potentially valid.
   Subjective status: Junior synonym of Aphis Linnaeus, 1758.

Decorosiphon Börner, 1939
   Described as genus.
   Type species: Decorosiphon corynothrix Börner, 1939; by original designation.
   Objective status: Available & potentially valid.
   Subjective status: Valid.
   Taxonomic position: Aphididae Aphidinae Macrosiphini.

Defractosiphon Börner, 1950
   Described as genus.
   Type species: Defractosiphon franzi Börner, 1950; by original designation.
   Objective status: Available & potentially valid.
   Subjective status: Valid.
   Taxonomic position: Aphididae Aphidinae Macrosiphini.

Delphiniobium Mordvilko, 1914
   Described as genus.
   Type species: Rhopalosiphum aconiti van der Goot, 1912; by monotypy; junior synonym of Myzus junackianus Karsch, 1887.
   Objective status: Available & potentially valid.
   Subjective status: Valid.
   Taxonomic position: Aphididae Aphidinae Macrosiphini.

Dentatus van der Goot, 1913
   Described as genus.
   Type species: Aphis sorbi Kaltenbach, 1843; by monotypy.
   Objective status: Available but invalid — Junior homonym of Dentatus Gray, 1847 (Mollusca).
Useful information about the objective status: Replaced by Pomaphis Börner, 1939.

**Dermaphis** Takahashi, 1958
- Described as genus.
- Type species: *Dermaphis japonensis* Takahashi, 1958; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Valid.
- Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

**Desiforda** Zhang (G.-x.), Qiao & Chen, 1999
- Described as genus.
- Type species: *Desiforta echnochloapha* Zhang (G.-x.), Qiao & Chen, 1999; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Junior synonym of Pemphigus Hartig, 1839.

**Diatomyzus** Heie, 1970
- Described as genus.
- Type species: *Diatomyzus eocaenicus* Heie, 1970; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Valid.
- Taxonomic position: Aphididae Aphidinae.

**Dichaitophorus** Shinji, 1927
- Described as genus.
- Type species: *Chaitophorus saliniger* Shinji, 1924; by monotypy.
- Objective status: Available & potentially valid.
- Subjective status: Junior synonym of Chaitophorus Kock, 1854.

**Dielcysmura** Mordvilko, 1914
- Described as genus.
- Type species: *Aphis millefolii* De Geer, 1773; by monotypy.
- Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Macrosiphoniella* Del Guercio, 1911.

**Dilachnus** Baker (A.C.), 1919


Described as genus.

Type species: *Lachniella gracilis* Wilson, 1919; denoted by new replacement name (Article 67.8).

Objective status: Available but invalid — Junior homonym of *Dilachnus* Fairmaire, 1896 (Coleoptera).

Useful information about the objective status: Replacement name (*nomen novum*) for *Wilsonia* Baker (A.C.), 1919. Replaced by *Panimerus* Laing, 1926 (*nomen novum*).

**Dimelaphis** Zhang (G.-x.), 1998


Described as genus.

Type species: *Dimelaphis obtusifalcata* Zhang (G.-x.), 1998; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Fordini.

**Dimeraphis** Becker-Migdisova, 1973


Described as subgenus of *Electrocallis* Heie, 1967.

Type species: *Electrocallis (Dimeraphis) arnoldii* Becker-Migdisova, 1973; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Electrocallis* Heie, 1967.

**Dinaphis** Shaposhnikov & Wegierek, 1989


Described as genus.

Type species: *Dinaphis multisensoriata* Shaposhnikov & Wegierek, 1989; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Oviparosiphidae.

**Dinipponaphis** Takahashi, 1962


Described as genus.
Type species: *Nipponaphis autumnus* Monzen, 1934; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

*Dinolachnus* Börner, 1940

Described as genus.
Type species: *Lachniella ceconii* Del Guercio, 1909; by original designation; junior synonym of *Lachnus confinis* Koch, 1856.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Cinara* Curtis, 1835.

*Diphorodon* Börner, 1939

Described as subgenus of *Phorodon* Passerini, 1860.
Type species: *Phorodon cannabis* Passerini, 1860; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Paraphorodon* Tseng & Tao, 1938.

*Diphyllaphis* Takahashi, 1960

Described as genus.
Type species: *Phloeomyzus konarae* Shinji, 1924; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.

*Diprociphilus* Zhang (G.-x.) & Qiao, 1999

Described as genus.
Type species: *Diprociphilus allivorus* Zhang (G.-x.), Qiao & Zhao, 1999; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Eriosomatinae Pemphigini.

*Distylaphis* Noordam, 1991

Described as genus.
Type species: *Schizoneuraphis foliorum* van der Goot, 1917; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

*Ditrichosiphon* Raychaudhuri (D.N.), 1956

Described as subgenus of *Eutrichosiphum* Essig & Kuwana, 1918.
Type species: *Eutrichosiphum elongatum* Takahashi, 1940; by original designation; junior synonym of *Paratrichosiphon* niitakaensis Takahashi, 1937.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Metatrichosiphon* Raychaudhuri (D.N.), 1956.

*Diuraphis* Aizenberg, 1935

Described as genus.
Type species: *Brachycolus noxius* Kurdjumov, 1913; by original designation.
Objective status: Available & potentially valid.
Useful information about the objective status: Replacement name for *Cuernavaca* MacVicar Baker, 1934.
Subjective status: Valid — Senior synonym of *Cavahyalopterus* Mimeur, 1941 — Junior synonym of *Cuernavaca* MacVicar Baker, 1934 (an invalid name).
Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Diuraphis* and *Holcaphis* Hille Ris Lambers, 1939.

*Diverosiphum* Shinji, 1922

Described as genus.
Type species: *Diverosiphum kunugii* Shinji, 1922; by original designation; junior synonym of *Cervaphis quercus* Takahashi, 1918.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Cervaphis* van der Goot, 1917.

*Divium* Pashchenko, 2000

Described as subgenus of *Uroleucon* Mordvilko, 1914.
Type species: *Uroleucon (Divium) ambiguum* Pashchenko, 2000; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Uroleucon* Mordvilko, 1914.

**Dominicaphis** Heie & Poinar, 1999
Described as genus.
Type species: *Dominicaphis succini* Heie & Poinar, 1999; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Hormaphidinae.

**Dongbeiaphis** Hong, 2002
Described as genus.
Type species: *Dongbeiaphis furvis* Hong, 2002; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Phloeomyzinae.

**Doralida** Börner, 1950
Described as subgenus of *Pergandeida* Schouteden, 1903.
Type species: *Aphis loti* Kaltenbach, 1862; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

**Doralina** Börner, 1940
Publication reference: Neue Blattläuse aus Mitteleuropa: 3.
Described as genus.
Type species: *Aphis frangulae* Kaltembach, 1845.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

**Doralis** Leach, 1826
Described as genus.
Type species: *Aphis dauci* Fabricius, 1775; by monotypy.
Objective status: Available but invalid — Suppressed by the International
Commission on Zoological Nomenclature [Opinion 646].
Useful information about the objective status: Name placed on the Official Index of Rejected and Invalid Generic Names in Zoology [Opinion 646; name number 1586]; Sometimes used with a similar taxonomic sense to a part of *Aphis* Linnaeus, 1758.

**Doraphis** Matsumura & Hori, 1929
Publication reference: Hori, Sapporo Hakubutsu Gakkai Kaihô, 10 (2): 112.
Described as genus.
Type species: *Doraphis populi* Matsumura & Hori, 1929; by original designation; junior synonym of *Sphaerococcus populi* Maskell, 1898.
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of *Paracerataphis* Mordvilko, 1929.
Taxonomic position: Aphididae Hormaphidinae Cerataphidini.

**Drepanaphis** Del Guercio, 1909
Described as genus.
Type species: *Siphonophora acerifoliae* Thomas, 1878; by original designation.
Objective status: Available & potentially valid.
Useful information about the objective status: Senior objective synonym of *Phymatosiphum* Davis, 1909.
Subjective status: Valid.
Taxonomic position: Aphididae Drepanosiphinae — With subgenera *Drepanaphis* and *Shenahweum* Hottes & Frison, 1931.

**Drepaniella** Del Guercio, 1914
Publication reference: Redia, 9 [1913]: 188.
Described as genus.
Type species: *Aphis viciae* Kaltenbach, 1843; by original designation; junior synonym of *Megoura viciae* Buckton, 1876.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Megoura* Buckton, 1876.

**Drepanochaitophorus** Zhang (G.-x.) & Hong, 1999
Described as genus.
Type species: *Drepanochaitophorus fushunensis* Zhang (G.-x.) & Hong, 1999; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Drepanochaitophoridae.

**Drepanosiphon** Börner, 1952
Described as genus.
Type species: *Aphis platanoidis* Schrank, 1801; denoted by unjustified emendation (Article 67.8).
Objective status: Available but invalid — Unjustified emendation & Junior objective synonym of *Drepanosiphum* Koch, 1855.

**Drepanosiphoniella** Davatchi, Hille Ris Lambers & Remaudière, 1957
Publication reference: Tijdschrift voor Entomologie, 100: 125.
Described as genus.
Type species: *Drepanosiphoniella aceris* Davatchi, Hille Ris Lambers & Remaudière, 1957; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Drepanosiphinae.

**Drepanosiphum** Koch, 1855
Described as genus.
Type species: *Aphis platanoidis* Schrank, 1801; by subsequent designation (Mordvilko, 1909: 379).
Objective status: Available & potentially valid.
Useful information about the objective status: Senior objective synonym of *Drepanosiphon* Börner, 1931.
Subjective status: Valid.
Taxonomic position: Aphididae Drepanosiphinae.

**Dryaphis** Kirkaldy, 1904
Described as genus.
Type species: *Aphis roboris* Linnaeus, 1758; denoted by new replacement name (Article 67.8).
Objective status: Available but invalid — Junior objective synonym of *Lachmus* Burmeister, 1835.
Useful information about the objective status: Replacement name (*nomen novum*) for *Dryobius* Koch, 1855.
Dryobius Koch, 1855

- Described as genus.
- Type species: Aphis roboris Linnaeus, 1758; by subsequent designation (Kirkaldy, 1905: 418).
- Objective status: Available but invalid — Junior homonym of Dryobius Le Conte, 1850 (Coleoptera). Junior objective synonym of Lachnus Burmeister, 1835.
- Useful information about the objective status: Replaced by Dryaphis Kirkaldy, 1904 (nomen novum).

Dryomyzus Hille Ris Lambers, 1948

- Described as subgenus of Myzocallis Passerini, 1860.
- Type species: Myzocallis (Dryomyzus) glandulosus Hille Ris Lambers, 1948; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Junior synonym of Myzocallis Passerini, 1860.

Dryopeia Kirkaldy, 1904

- Described as genus.
- Type species: Endeis bella Koch, 1857; denoted by new replacement name (Article 67.8); junior synonym of Aphis ulmi Linnaeus, 1758.
- Objective status: Available & potentially valid.
- Useful information about the objective status: Replacement name (nomen novum) for Endeis Koch, 1857.
- Subjective status: Junior synonym of Tetraneura Hartig, 1841.

Durocapillata Knowlton, 1927

- Described as genus.
- Type species: Durocapillata utahensis Knowlton, 1927; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Valid.
- Taxonomic position: Aphididae Aphidinae Macrosiphini.

Dysaphis Börner, 1931

- Described as genus.
Tipo de especie: *Aphis angelicae* Koch, 1854; por designación original.

Estado objetivo: disponible & potencialmente válido.


Posición taxonómica: *Aphididae* *Aphidinae* *Macrosiphini* — con subgéneros *Dysaphis*, *Cotoneasteria* Shaposhnikov, 1964, y *Pomaphis* Börner, 1939.

**Dysaulacorthum** Börner, 1939


Describió como subgénero de *Aulacorthum* Mordvilko, 1914.

Tipo de especie: *Aulacorthum* (*Dysaulacorthum*) *langei* Börner, 1939; por designación original.

Estado objetivo: disponible & potencialmente válido.

Estado subjetivo: junior sinónimo de *Aulacorthum* Mordvilko, 1914.

**Eastopiella** Kadyrbekov, 2001

Referencia de publicación: Tethys Entomological Research, 3: 93.

Describió como género.

Tipo de especie: *Brachyunguis evansi* Kadyrbekov, 2001; por designación original.

Estado objetivo: disponible & potencialmente válido.

Estado subjetivo: válido.

Posición taxonómica: *Aphididae* *Aphidinae* *Aphidini* *Aphidina*.

**Echinaphis** Cockerell, 1913

Referencia de publicación: Canadian Entomologist, 45: 229.

Describió como género.

Tipo de especie: *Echinaphis rohweri* Cockerell, 1913; por monotipía.

Estado objetivo: disponible & potencialmente válido.

Información útil sobre el estado objetivo: Senior homónimo de *Echinaphis* Mordvilko, 1929.

Estado subjetivo: válido.

Posición taxonómica: *Aphididae* *Lizeriinae*.

**Echinaphis** Mordvilko, 1929

Referencia de publicación: Trudy Otdela Prikladnoy Entomologii Gosudarstvennogo Instituta Opytnoy Agronomii, 14: 35.

Describió como género.

Tipo de especie: *Echinaphis ussuriensis* Mordvilko, 1929; por designación original; junior sinónimo de *Glyphina rhusae* Shinji, 1922.

Estado objetivo: disponible pero no válido — Junior homónimo de *Echinaphis* Cockerell, 1913.
Useful information about the objective status: Replaced by *Dasyaphis*, Takahashi, 1938.

**Eichinaphis** Narzikulov, 1963


Described as genus.

Type species: *Eichinaphis pamirica* Narzikulov, 1963; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Eichochaitophorus** Essig, 1912


Described as genus.

Type species: *Eichochaitophorus populifolii* Essig, 1912; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Chaitophorus* Koch, 1854.

**Elatobium** Mordvilko, 1914


Described as genus.

Type species: *Aphis abietina* Walker, 1849; by subsequent designation (Börner & Schilder, 1930: 185).

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Neomyzaphis* Theobald, 1926.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Elbourzaphis** Remaudière & Davatchi, 1959


Described as genus.

Type species: *Elbourzaphis behboudii* Remaudière & Davatchi, 1959; by original designation; junior synonym of *Rhopalosiphoninus platicaudus* Narzikulov, 1953.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Amegosiphon* Narzikulov, 1958.
Electrocallis Heie, 1967
Publication reference: Spolia Zoologica Musei Hauniensis 26: 147.
Described as genus.
Type species: Electrocallis bakeri Heie, 1967; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Drepanosiphinae.

Electrocornia Heie, 1972
Publication reference: Steenstrupia, 2: 249.
Described as genus.
Type species: Electrocornia antiqua Heie, 1972; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Hormaphidinae.

Electromyzus Heie, 1972
Described as genus.
Type species: Electromyzus acutirostris Heie, 1972; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Lizeriinae.

Endeis Koch, 1857
Described as genus.
Type species: Endeis bella Koch, 1857; by subsequent designation (Kirkaldy, 1904: 279); Junior synonym of Aphis ulmi Linnaeus, 1758.
Objective status: Available but invalid — Junior homonym of Endeis Philippi, 1843 (Pantopoda).
Useful information about the objective status: Replaced by Dryopeia Kirkaldy, 1904 (nomen novum).

Eocallites Hong, 2002
Described as genus.
Type species: Eocallites mallicaudatus Hong, 2002; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae (Drepanosiphidae sensu Heie complex).
**Eocylindrites** Hong, 2002
Described as genus.
Type species: *Eocylindrites curtirostrales* Hong, 2002; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Phloeomyzinae.

**Eoessigia** David, Rajasingh & Narayanan, 1972
Described as genus.
Type species: *Eoessigia indica* David, Rajasingh & Narayanan, 1972; by original designation.
Objective status: Available & potentially valid.

**Eokakimia** Heie, 1979
Described as subgenus of *Nasonovia* Mordvilko, 1914.
Type species: *Dactynotus wahinkae* Hottes, 1933; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Aconitaphis* Ivanovskaja, 1971.

**Eomacrosiphon** Hille Ris Lambers, 1958
Publication reference: MacGillivray, Temminckia, 10 [reprint]: 24.
Described as genus.
Type species: *Macrosiphum nigromaculosum* MacDougall, 1926; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Eomakrosoura** Hong, 2002
Described as genus.
Type species: *Eomakrosoura expansirostrata* Hong, 2002; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae.

_Eomyzus_ Takahashi, 1960
- Described as genus.
- Type species: _Myzus nipponicus_ Moritsu, 1949; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Valid.
- Taxonomic position: Aphididae Aphidinae.

_Eonaphis_ Essig, 1957
- Described as genus.
- Type species: _Eonaphis pauliani_ Essig, 1957; by monotypy.
- Objective status: Available & potentially valid.
- Subjective status: Valid.
- Taxonomic position: Aphididae Aphidinae Schoutenediini.

_Eophloeomyzus_ Hong, 2002
- Described as genus.
- Type species: _Eophloeomyzus longitarsus_ Hong, 2002; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Valid.
- Taxonomic position: Aphididae Phloeomyzinae.

_Eotinocallis_ Quednau, 2003
- Described as subgenus of _Tinocallis_ Matsumura, 1919.
- Type species: _Lachnus platani_ Kaltenbach, 1843; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Valid.

_Eotrama_ Hille Ris Lambers, 1969
- Described as genus.
- Type species: _Eotrama moerickei_ Hille Ris Lambers, 1969; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Lachninae Tramini.

**Epameibaphis** Oestlund, 1923
Described as genus.
Type species: *Aphis frigidae* Oestlund, 1886; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Ephedraphis** Hille Ris Lambers, 1959
Described as genus.
Type species: *Anuraphis ephedrae* Nevsky, 1929; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

**Epipemphigus** Hille Ris Lambers, 1966
Described as genus.
Type species: *Pemphigus imaicus* Cholodkovsky, 1912; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of *Sanpupemphigus* Chang, 1979.
Taxonomic position: Aphididae Eriosomatinae Pemphigini.

**Ericaphis** Börner, 1939
Described as subgenus of *Myzaphis* van der Goot, 1913.
Type species: *Myzaphis ericae* Börner, 1933; by original designation.
Objective status: Available & potentially valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Ericobium** MacGillivray, 1958
Publication reference: Temminckia, 10 [reprint]: 9.
Described as subgenus of *Masonaphis* Hille Ris Lambers, 1939.
Type species: *Amphorophora azaleae* Mason, 1925; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Illinoia* Wilson, 1910.

**Ericolophium** Tao, 1963
Described as genus.
Type species: *Macrosiphum itoe* Takahashi, 1925; by original designation.
Objective status: Available & potentially valid.
Taxonomic position: Aphididae Aphidinae Macrosiphinini.

**Eriosaphis** Heie, 2006
Described as genus.
Type species: *Eriosaphis leei* Heie, 2006; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Eriosomatinae.

**Eriosoma** Leach, 1818
Described as genus.
Type species: *Eriosoma mali* Leach, 1818; by original designation; junior synonym of *Aphis lanigera* Hausmann, 1802.
Objective status: Available & potentially valid.
Taxonomic position: Aphididae Eriosomatinae Eriosomatini.

**Eriosomaphis** Heie, 2006
Described as genus.
Type species: *Eriosomaphis jesperi* Heie, 2006; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Eriosomatinae.

**Essigella** Del Guercio, 1909

Described as genus.
Type species: *Lachnus californicus* Essig, 1909; by monotypy.
Objective status: Available & potentially valid.
Subjective status: Valid.

**Euaulax** Mordvilko, 1914

Described as genus.
Type species: There is none.
Objective status: Available & potentially valid.
Subjective status: Nomen dubium.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Eucallipterus** Schouteden, 1906

Described as genus.
Type species: *Aphis tiliae* Linnaeus, 1758; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

**Eucarazzia** Del Guercio, 1921

Described as genus.
Type species: *Eucarazzia picta* Del Guercio, 1921; by original designation; junior synonym of *Rhopalosiphum elegans* Ferrari, 1872.
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of *Clavisiphon* Del Guercio, 1930.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Euceraphis** Walker, 1870

Described as genus.
Type species: *Aphis punctipennis* Zetterstedt, 1828; by designation under the...
plenary powers by the International Commission on Zoological Nomenclature [Opinion 640].

Objective status: Available & potentially valid.

Useful information about the objective status: Name placed in the Official Lists of Generic Names in Zoology [Opinion 640; name number 1489]. Replacement name for *Leptopteryx* Zetterstedt, 1837.

Subjective status: Valid — Senior synonym of *Callipteroides* Mordvilko, 1909, *Mimocallis* Matsumura, 1919, and *Quippelachnus* Oestlund, 1923; Junior synonym of *Leptopteryx* Zetterstedt, 1837 (an invalid name).

Taxonomic position: Aphididae Calaphidinae Calaphidini Calaphidina.

**Eulachnus** Del Guercio, 1909


Described as genus.

Type species: *Lachnus agilis* Kaltenbach, 1843; by subsequent designation (Wilson, 1911: 54).

Objective status: Available & potentially valid.

Useful information about the objective status: Name placed in the Official Lists of Generic Names in Zoology [Opinion 748; name number 1689].

Subjective status: Valid — Senior synonym of *Protolachnus* Theobald, 1915.

Taxonomic position: Aphididae Lachninae Eulachnini.

**Eumaerosiphum** Shinji, 1932

Publication reference: Ishii (Y.) [Ed.], *Engei Shokubutsu no Byôgaityû*: 245.

Described as genus.

Type species: *Eumaerosiphum viciae* Shinji, 1932; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Eumyzus** Shinji, 1929


Described as genus.

Type species: *Aphis impatiensae* Shinji, 1924; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Eunectarosiphon** Del Guercio, 1914

Publication reference: *Redia*, 9 [1913]: 188.

Described as genus.

Type species: *Aphis rubi* Kaltenbach, 1843; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Amphorophora* Buckton, 1876.

**Eurhopalosiphum** Shinji, 1942

- Described as genus.
- Type species: *Eurhopalosiphum kondoi* Shinji, 1942; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Junior synonym of *Coloradoa* Wilson, 1910.

**Eurythaphis** Mordvilko, 1914

- Described as genus.
- Type species: *Aphis tanaceticola* Kaltenbach, 1845; by subsequent designation (Mordvilko, 1928: 191); Junior synonym of *Aphis tanaceti* Linnaeus, 1758.
- Objective status: Available & potentially valid.
- Subjective status: Junior synonym of *Uroleucon* Mordvilko, 1914.

**Euschizaphis** Hille Ris Lambers, 1947

- Described as subgenus of *Schizaphis* Börner, 1931.
- Type species: *Aphis palustris* Theobald, 1929; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Valid.

**Euthoracaphis** Takahashi, 1938

- Described as subgenus of *Thoracaphis* van der Goot, 1917.
- Type species: *Thoracaphis umbellulariae* Essig, 1932; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Valid.
- Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

**Eutrichosiphum** Essig & Kuwana, 1918

- Described as genus.
- Type species: *Trichosiphum pasaniae* Okajima, 1908; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Valid — Senior synonym of *Brevitrichosiphon* Raychaudhuri


**Evallocotaphis** Zhang (G.-x.), 1998


Described as genus.

Type species: *Evallocotaphis lutescens* Zhang (G.-x.) & Qiao, 1998; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Myzodium* Börner, 1950.

**Expansaphis** Hong & Wang, 1990


Described as genus.

Type species: *Expansaphis ovata* Hong & Wang, 1990; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Oviparosiphidae.

**Fagiphagus** Smith, 1974


Described as genus.

Type species: *Eriosoma imbricator* Fitch, 1851; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Grylloprociphilus* Smith & Pepper, 1968.

**Ferganaphis** Mukhamediev, 1976


Described as genus.

Type species: *Sogdianella lonicericola* Mukhamediev, 1965; denoted by new replacement name (Article 67.8).

Objective status: Available but invalid — Junior homonym and junior objective synonym of *Ferganaphis* Narzikulov & Mukhamediev, 1975.

Useful information about the objective status: Replacement name (*nomen novum*) for *Sogdianella* Mukhamediev, 1965.
**Ferganaphis** Narzikulov & Mukhamediev, 1975


Described as genus.

Type species: *Sogdianella lonicericola* Mukhamediev, 1965; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.


Subjective status: Junior synonym of *Amphicercidus* Oestlund, 1923.

---

**Ferusaphis** Zhang (G.-x.), Chen, Zhong & Li, 1999


Described as genus.

Type species: *Ferusaphis xanthinae* Zhang (G.-x.), Chen, Zhong & Li, 1999; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

---

**Fimbriaphis** Richards, 1959


Described as genus.

Type species: *Fimbriaphis fimbriata* Richards, 1959; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Ericaphis* Börner, 1939.

---

**Fitchiella** Shaposhnikov, 1950


Described as subgenus of *Nearctaphis* Shaposhnikov, 1950.

Type species: *Aphis crataegifoliae* Fitch, 1851; by original designation.

Objective status: Available but invalid — Junior homonym of *Fitchiella* van Duzee, 1917 (Hemiptera Issidae [or Caliscelidae]).

Useful information about the objective status: Replaced by *Nearctaphis* Shaposhnikov, 1950.

---

**Flabellomicrosiphum** Gillette & Palmer, 1932


Described as genus.
Type species: *Chaitophorus tridentatae* Wilson, 1915; by monotypy.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

*Floraphis* Tsai & Tang, 1946

Described as genus.
Type species: *Floraphis meitanensis* Tsai & Tsang, 1946; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Nurudea* Matsumura, 1917.

*Foeniaphis* Zhang (G.-x.) & Qiao, 1998

Described as genus.
Type species: *Foeniaphis oblongisensoria* Qiao & Zhang (G.-x.), 1998; by original designation; junior synonym of *Neochromaphis coryli* Takahashi, 1961.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Neochromaphis* Takahashi, 1921.

*Forda* von Heyden, 1837

Described as genus.
Type species: *Forda formicaria* von Heyden, 1837; by monotypy.
Objective status: Available & potentially valid.
Taxonomic position: Aphididae Eriosomatinae Fordini.

*Fordona* Mordvilko, 1935

Publication reference: Ergebnisse und Fortschritte der Zoologie, 8: 141.
Described as genus.
Type species: *Fordona italica* Mordvilko, 1935; by original designation; junior synonym of *Paracletus cimiciformis* von Heyden, 1837.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Paracletus* von Heyden, 1837.

*Formosaphis* Takahashi, 1925

Publication reference: Agricultural Experimental Station of the Government of
Formosa Report, 16: 52.
Described as genus.
Type species: *Formosaphis micheliae* Takahashi, 1925; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Eriosomatinae Pemphigini.

**Fossilicallis** Heie, 2002
Described as genus.
Type species: *Fossilicallis antiquus* Heie, 2002; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Phyllaphidinae.

**Francoa** Del Guercio, 1917
Publication reference: Redia, 12 (1-2) [1916]: 197.
Described as genus.
Type species: *Francoa elegans* Del Guercio, 1916; by original designation; junior synonym of *Aphis rosarum* Kaltenbach, 1843.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Myzaphis* van der Goot, 1913.

**Fullawaya** Essig, 1912
Described as genus.
Type species: *Fullawaya saliciradicis* Essig, 1912; denoted by new replacement name (Article 67.8).
Objective status: Available & potentially valid.
Useful information about the objective status: Replacement name (*nomen novum*) for *Davidsonia* Essig, 1912.
Subjective status: Valid.
Taxonomic position: Aphididae Pterocommatinae.

**Fullawayella** Del Guercio, 1911
Described as genus.
Type species: *Macrosiphum kirkaldyi* Fullaway, 1910; by original designation; junior synonym of *Idiopterus nephrelepidis* Davis, 1909.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Idiopterus* Davis, 1909.
**Furvaphis** Hong, 2002

Described as genus.
Type species: *Furvaphis oblonga* Hong, 2002; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Phloeomyzinae.

**Fushia** Matsumura, 1917

Described as genus.
Type species: *Fushia rosea* Matsumura, 1917; by original designation; junior synonym of *Nurudeopsis yanoniella* Matsumura, 1917.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Nurudea* Matsumura, 1917.

**Fushuncallites** Hong, 2002

Described as genus.
Type species: *Fushuncallites wanghuacunensis* Hong, 2002; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae (Drepanosiphidae sensu Heie complex).

**Galiaphis** Ossiannilsson, 1954

Publication reference: Entomologisk Tidsskrift, 75 (2-4): 123.
Described as genus.
Type species: *Galiaphis annae* Ossiannilsson, 1954; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Amphorophora* Buckton, 1876.

**Galiobium** Börner, 1933

Described as genus.
Type species: *Trilobaphis langei* Börner, 1933; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of Myzus Passerini, 1860.

**Gentnera** Essig, 1952


Described as genus.

Type species: Gentnera oregona Essig, 1952; by original designation; junior synonym of Aphis setosa Kaltenbach, 1846.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of Ctenocallis Klodnitsky, 1924.

**Geoica** Hart, 1894


Described as genus.

Type species: Geoica squamosa Hart, 1894; by monotypy; junior synonym of Pemphigus utricularius Passerini, 1856.

Objective status: Available & potentially valid.


Taxonomic position: Aphididae Eriosomatinae Fordini.

**Geoktapia** Mordvilko, 1921


Described as genus.

Type species: Geoktapia areshensis Mordvilko, 1921; by original designation; junior synonym of Myzus pyrarius Passerini, 1861.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of Melanaphis van der Goot, 1917.

**Geopemphigus** Hille Ris Lambers, 1933


Described as genus.

Type species: Geopemphigus surinamensis Hille Ris Lambers, 1933; by original designation; junior synonym of Geoica floccosa Moreira, 1925.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of Xenopterygus Smith, 1948.

Taxonomic position: Aphididae Eriosomatinae Fordini.

**Georgia** Wilson, 1911

Publication reference: Canadian Entomologist, 43: 64.

Described as genus.
Type species: *Georgia ulmi* Wilson, 1911; by monotypy.

Objective status: Available but invalid — Junior homonym of *Georgia* Baird & Girard, 1853 (Reptiles), of *Georgia* Thomson, 1857 (Coleoptera), and of *Georgia* Bourgingorat, 1882 (Mollusca).

Useful information about the objective status: Replaced by *Georgiaphis* Maxson & Hottes, 1926 (*nomen novum*).

*Georgiaphis* Maxson & Hottes, 1926


Described as genus.

Type species: *Georgia ulmi* Wilson, 1911; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Georgia* Wilson, 1911.

Subjective status: Junior synonym of *Eriosoma* Leach, 1818.

*Geranchon* Scudder, 1890


Described as genus.

Type species: *Lachnus petrorum* Scudder, 1878; by subsequent designation (Heie, 1967: 205).

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: *Aphidoidea incertae sedis*

*Germaraphis* Heie, 1967


Described as genus.

Type species: *Lachnus dryoides* Germar & Berendt, 1856; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: *Aphididae* Eriosomatinae. With subgenera *Germaraphis* and *Balticorostrum* Heie, 1967

*Gharesia* Stroyan, 1963


Described as genus.

Type species: *Gharesia polunini* Stroyan, 1963; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Eriosomatinae Eriosomatini.

**Glabromyzus** Richards, 1960
Described as subgenus of *Carolinaia* Wilson, 1911.
Type species: *Rhopalosiphum rhois* Monell, 1879; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Carolinaia* Wilson, 1911.

**Glaesaricallis** Wegierek, 1996
Described as genus.
Type species: *Glaesaricallis kulickae* Wegierek, 1996; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Phyllaphidinae.

**Glendenningia** MacGillivray, 1954
Described as genus.
Type species: *Glendenningia philadelphi* MacGillivray, 1954; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Globulicaudaphis** Hille Ris Lambers, 1966
Described as genus.
Type species: *Globulicaudaphis pakistanica* Hille Ris Lambers, 1966; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.

**Glyphina** Koch, 1856
Described as genus.
Type species: *Vacuna betulae* Kaltenbach, 1843; by monotypy; junior synonym of *Aphis betulae* Linnaeus, 1758.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Thelaxinae.

**Glyphinaphis** van der Goot, 1917

Described as genus.
Type species: *Glyphinaphis bambusae* van der Goot, 1917; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of *Okajimaia* Suenaga, 1933.
Taxonomic position: Aphididae Hormaphidinae Cerataphidini.

**Gobaishia** Matsumura, 1917

Described as genus.
Type species: *Gobaisha japonica* Matsumura, 1917; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Kaltenbachiella* Schouteden, 1906.

**Goidanichiellum** Martelli, 1950

Described as subgenus of *Macrosiphum* Passerini, 1860.
Type species: *Aphis dirhoda* Walker, 1849; by original designation.
Objective status: Available but invalid — Junior objective synonym of *Metopolophium* Mordvilko, 1914.

**Gondvanoaphis** Wegierek & Grimaldi, 2010

Described as genus.
Type species: *Gondvanoaphis estephani* Wegierek & Grimaldi, 2010; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Thelaxinae Gondvanoaphidini.
Goodea Shinji, 1922
Described as genus.
Type species: Goodea narafoliae Shinji, 1922; by monotypy.
Objective status: Available & potentially valid.
Subjective status: Valid.

Gootiella Tullgren, 1925
Described as genus.
Type species: Gootiella tremulae Tullgren, 1925; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Eriosomatinae Pemphigini.

Greenidea Schouteden, 1905
Described as genus.
Type species: Siphonophora artocarpi Westwood, 1890; by monotypy.
Objective status: Available & potentially valid.

Greenideoida van der Goot, 1917
Publication reference: Koningsberger, Contributions a la Faune des Indes Néerlandaises, 1 (3): 140.
Described as genus.
Type species: Greenideoida elongata van der Goot, 1917; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of Paragreenideoida Raychaudhuri (D.N.) & Chatterjee, 1980.
**Grimmenaphis** Ansorge, 1996

- Publication reference: Neue Paläontologische Abhandlungen, 2: 56.
- Described as genus.
- Type species: *Grimmenaphis magnifica* Ansorge, 1996; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Valid.
- Taxonomic position: Oviparosiphidae.

**Grylloprociphilus** Smith & Pepper, 1968

- Described as genus.
- Type species: *Grylloprociphilus frosti* Smith & Pepper, 1968; by original designation; junior synonym of *Eriosoma imbricata* Fitch, 1851.
- Objective status: Available & potentially valid.
- Subjective status: Valid — Senior synonym of *Fagiphagus* Smith, 1974.
- Taxonomic position: Aphididae Eriosomatinae Pemphigini.

**Gypsoaphis** Oestlund, 1923

- Described as genus.
- Type species: *Aphis lonicerae* Monell, 1879; by original designation; junior synonym of *Gypsoaphis oestlundi* Hottes, 1930.
- Objective status: Available & potentially valid.
- Subjective status: Valid.
- Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Halajaphis** Wegierek, 1996

- Publication reference: Prace Muzeum Ziemi, 44: 34.
- Described as genus.
- Type species: *Halajaphis siphonosetae* Wegierek, 1996; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Valid.
- Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Hallaphis** Doncaster, 1956

- Described as genus.
- Type species: *Yamataphis rhodesiensis* Hall, 1932; by original designation.
Halmodaphis Mordvilko, 1914
Described as genus.
Type species: There is none.
Objective status: Available & potentially valid.
Subjective status: Nomen dubium.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

Hamadryaphis Kirkaldy, 1904
Described as genus.
Type species: Pemphigus spyrothecae Passerini, 1860; denoted by new replacement name (Article 67.8).
Objective status: Available & potentially valid.
Useful information about the objective status: Replacement name (nomen novum) for Kessleria Lichtenstein, 1886.
Subjective status: Junior synonym of Pemphigus Hartig, 1839.

Hamamelistes Shimer, 1867
Described as genus.
Type species: Hamamelistes spinosus Shimer, 1867; by subsequent designation (Oestlund, 1923: 151).
Objective status: Available & potentially valid.
Taxonomic position: Aphididae Hormaphidinae Hormaphidini.

Hamiltonaphis Aoki, Kurosu & Fukatsu, 1993
Described as genus.
Type species: Astegopteryx styraci Matsumura, 1917; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of Tuberaphis Takahashi, 1933.
**Hannabura** Matsumura, 1917

Publication reference: Journal of the College of Agriculture, Tohoku Imperial University, 7: 377.

Described as genus.

Type species: *Hannabura alnicola* Matsumura, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Calaphidini Calaphidina.

**Hayhurstia** Del Guercio, 1917

Publication reference: Redia, 12 (1-2) [1916]: 206.

Described as genus.

Type species: *Hayhurstia deformans* Del Guercio, 1917; by monotypy; junior synonym of *Aphis atriplicis* Linnaeus, 1761.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior homonym of *Hayhurstia* Mordvilko, 1921.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Hayhurstia** Mordvilko, 1921


Described as genus.

Type species: *Hyalopterus dactylidis* Hayhurst, 1909; by original designation; junior synonym of *Aphis humilis* Walker, 1852.

Objective status: Available but invalid — Junior homonym of *Hayhurstia* Del Guercio, 1917.

Useful information about the objective status: Replaced by *Hyalopteroides* Theobald, 1916.

**Helosiphon** Leclant, 1969


Described as genus.

Type species: *Helosiphon eryngii* Leclant, 1969; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Hemiaphis** Börner, 1926

Publication reference: Abderhalden, Handbuch der Biologischen
Arbeitsmethoden, volume 9, 1, 2 (2): 226.
Described as genus.
Type species: *Aphis trirhoda* Walker, 1849; by monotypy.
Objective status: Available but invalid — Junior objective synonym of *Longicaudus* van der Goot, 1913.

**Heminipponaphis** Chakrabarti & Raha, 1985
Described as genus.
Type species: *Heminipponaphis querciphaga* Chakrabarti & Raha, 1985; by original designation; junior synonym of *Pseudothoracaphis himachalii* Raychaudhuri (D.N.), Ghosh (L.K.) & Das (S.K.), 1980.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Pseudothoracaphis* Raychaudhuri (D.N.), Ghosh (L.K.) & Das (S.K.), 1980.

**Hemipodaphis** David, Narayanan & Rajasingh, 1971
Described as genus.
Type species: *Hemipodaphis monstrosa* David, Narayanan & Rajasingh, 1971; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Eriosomatinae Eriosomatini.

**Hemitrama** Mordvilko, 1921
Described as genus.
Type species: *Hemitrama bykovi* Mordvilko, 1921; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Paracletus* von Heyden, 1837.

**Henningsenia** Heie, 1967
Publication reference: Spolia Zoologica Musei Hauniensis, 26: 86.
Described as subgenus of *Germaraphis* Heie, 1967.
Type species: *Germaraphis (Henningsenia) ungulata* Heie, 1967; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Eriosomatinae.
**Heterocallis** Quednau, 1966
   Described as genus.
   Type species: *Heterocallis daviaulti* Quednau, 1966; by original designation.
   Objective status: Available & potentially valid.
   Subjective status: Junior synonym of *Allaphis* Mordvilko, 1921.

**Heterogenaphis** Ivanovskaja-Shubina, 1966
   Described as genus.
   Type species: *Heterogenaphis kunashyri* Ivanovskaja, 1966; by original designation; Junior synonym of *Myzus sasakii* Matsumura, 1917.
   Objective status: Available & potentially valid.
   Subjective status: Junior synonym of *Tuberocephalus* Shinji, 1929.

**Heteroneura** Davis, 1919
   Described as genus.
   Type species: *Siphonophora setariae* Thomas, 1877; by original designation.
   Objective status: Available but invalid — Junior homonym of *Heteroneura* Fallen, 1810 (Diptera), of *Heteroneura* Meigen, 1930 (Diptera) and of *Heteroneura* Crawford, 1919 (Hemiptera: Psyllidae).
   Useful information about the objective status: Replaced by *Hysteroneura* Davis, 1919 (*nomen novum*).

**Hiberaphis** Börner, 1949
   Publication reference: Beiträge sur Taxonomischen Zoologie, 1: 52.
   Described as genus.
   Type species: *Hiberaphis iberica* Börner, 1949; by original designation; junior synonym of *Saltusaphis scirpus* Theobald, 1915.
   Objective status: Available & potentially valid.
   Subjective status: Junior synonym of *Saltusaphis* Theobald, 1915.

**Hillerislambersia** Basu (A.N.), 1967
   Publication reference: Bulletin of Entomology, 8: 5.
   Described as genus.
   Type species: *Hillerislambersia darjeelingi* Basu (A.N.), 1968; by original designation.
   Objective status: Available & potentially valid.
   Subjective status: Valid.
   Taxonomic position: Aphididae Aphidinae Macrosiphini.
**Himalayaphis** Ghosh (A.K.) & Verma, 1973


Described as genus.

Type species: *Himalayaphis anemones* Ghosh (A.K.) & Verma, 1973; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Holcaphis** Hille Ris Lambers, 1939


Described as genus.

Type species: *Aphis holci* Hardy, 1850; by original designation & application of the ICZN 11.6.1.

Objective status: Available & potentially valid.

Subjective status: Valid.


**Holmania** Szelegiewicz, 1964


Described as genus.

Type species: *Holmania chaetosiphon* Szelegiewicz, 1964; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Holotrichosiphon** Raychaudhuri (D.N.), 1956


Described as genus.

Type species: *Holotrichosiphon heterotrichus* Raychaudhuri (D.N.), 1956; by original designation; junior synonym of *Hoplothoracaphis manipurense* Pramanik, Samanta & Raychaudhuri (D.), 1983.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Eutrichosiphum* Essig & Kuwana, 1918.

**Holzneria** Lichtenstein, 1875


Described as genus.
Type species: *Pemphigus poschingeri* Holzner, 1874; by monotypy; junior synonym of *Aphis bumeliae* Schrank, 1801.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Prociphilus* Koch, 1857.

**Hongocallis**, Wegierek, 2010

Described as genus.
Type species: *Sinocallis clypeolata* Hong, 2002; denoted by new replacement name (*nomen novum*) for *Sinocallis* Hong, 2002.
Objective status: Available & potentially valid.
Useful information about the objective status: Replacement name (*nomen novum*) for *Sinocallis* Hong, 2002.
Subjective status: Valid.
Taxonomic position: Aphididae Drepanosiphinae.

**Hoplochaitophorus** Granovsky, 1933

Described as genus.
Type species: *Chaitophorus quercicola* Monell, 1879; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina.
Hoplothoracaphis Pramanick, Samanta & Raychaudhuri (D.), 1983
Described as genus.
Type species: *Hoplothoracaphis manipurense* Pramanick, Samanta & Raychaudhuri (D.), 1983; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Parathoracaphis* Takahashi, 1958.

Hormaphidula Börner, 1952
Described as genus.
Type species: *Cerataphis betulae* Mordvilko, 1901; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Hormaphis* Osten-Sacken, 1861.

Hormaphis Osten-Sacken, 1861
Described as genus.
Type species: *Hormaphis hamamelidis* Osten-Sacken, 1861; by monotypy; junior synonym of *Hamamelistes cornus* Shimer, 1867.
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of *Hormaphidula* Börner, 1952.
Taxonomic position: Aphididae Hormaphidinae Hormaphidini.

Hottesina Börner, 1950
Described as genus.
Type species: *Hottesina superba* Börner, 1950; by original designation; junior synonym of *Acyrthosiphon nigripes* Hille Ris Lambers, 1935.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Acyrthosiphon* Mordvilko, 1914.

Huaxiacallites Hong, 2002
Described as genus.
Type species: *Huaxiacallites reptantes* Hong, 2002; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae (Drepanosiphidae sensu Heie complex).
Huaxiaphis Hong, 2002
Described as genus.
Type species: Huaxiaphis gracilicornuta Hong, 2002; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae.

Hyadaphis Kirkaldy, 1904
Described as genus.
Type species: Aphis xylostei Schrank, 1801; denoted by new replacement name (Article 67.8); junior synonym of Siphocoryne foeniculi Passerini, 1860.
Objective status: Available & potentially valid.
Useful information about the objective status: Replacement name (nomen novum) for Siphocoryne Passerini, 1863.
Subjective status: Valid — Senior synonym of Miraphis Nevsky, 1928, and Neohayhurstia Aizenberg, 1956.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

Hyalomyzus Richards, 1958
Described as genus.
Type species: Myzus eriobotryae Tissot, 1935; by original designation.
Objective status: Available & potentially valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

Hyalopteroides Theobald, 1916
Described as genus.
Type species: Hyalopteroides pallida Theobald, 1916; by monotypy; junior synonym of Aphis humilis Walker, 1852.
Objective status: Available & potentially valid.
Useful information about the objective status: Replacement name for Hayhurstia Mordvilko, 1921.
Subjective status: Valid — Senior synonym of Hayhurstia Mordvilko, 1921.
Taxonomic position: Aphididae Aphidinae Macrosiphini.
**Hyalopterus** Koch, 1854


Described as genus.

Type species: *Aphis pruni* Geoffroy, 1762; by subsequent designation (Passerini, 1860: 27) and validation under the plenary powers by the International Commission on Zoological Nomenclature; Opinion, 397.

Objective status: Available & potentially valid.

Useful information about the objective status: Name placed in the Official Lists of Generic Names in Zoology [Opinion 397]; name number 98.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Rhopalosiphina.

**Hydaphias** Börner, 1930


Described as genus.

Type species: *Aphis bicolor* Koch, 1855; by original designation; Replaced by *Hydaphias hofmanni* Börner, 1930.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Hydronaphis** Shinji, 1922


Described as genus.

Type species: *Hydronaphis impatiens* Shinji, 1922; by subsequent designation (Takahashi, 1930: 13).

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Hyperomyzella** Hille Ris Lambers, 1949

Publication reference: Temminckia, 8: 277.

Described as subgenus of *Hyperomyzus* Börner, 1933.

Type species: *Nectarosiphon rhinanthi* Schouteden, 1903; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Hyperomyzus* Börner, 1933.
**Hyperomyzus** Börner, 1933

- Described as genus.
- Type species: *Aphis lactucae* Linnaeus, 1758; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Valid.
- Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Hyperomyzus, Hyperomyzza* Hille Ris Lambers, 1949, and *Neonasonovia* Hille Ris Lambers, 1949.

**Hysteroneura** Davis, 1919

- Publication reference: Canadian Entomologist, 51: 263.
- Described as genus.
- Type species: *Siphonopora setariae* Thomas, 1878; denoted by new replacement name (Article 67.8).
- Objective status: Available & potentially valid.
- Usefull information about the objective status: Replacement name (*nomen novum*) for *Heteroneura* Davis, 1919.
- Subjective status: Valid.
- Taxonomic position: Aphididae Aphidinae Aphidini Rhopalosiphina.

**Idiopterus** Davis, 1909

- Described as genus.
- Type species: *Idiopterus nephrelepdis* Davis, 1909; by monotypy.
- Objective status: Available & potentially valid.
- Subjective status: Valid — Senior synonym of *Fullawayella* Del Guercio, 1911.
- Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Illinoia** Wilson, 1910

- Described as genus.
- Type species: *Siphonophora liriodendri* Monell, 1879; by original designation.
- Objective status: Available & potentially valid.

**Impatientinum** Mordvilko, 1914

Described as genus. 
Type species: *Impatientinum fuscum* Mordvilko, 1928; by subsequent designation (Mordvilko, 1928: 193); Junior synonym of *Aphis balsamines* Kaltenbach, 1862.
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of *Tuberosiphum* Shinji, 1922.

**Indiaphis** Basu (A.N.), 1969

Described as genus.
Type species: *Indiaphis crassicornis* Basu (A.N.), 1969; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Indiochaitophorus** Verma, 1969

Described as genus.
Type species: *Indiochaitophorus furcatus* Verma, 1969; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

**Indocinara** Ghosh (A.K.), Basu (R.C.) & Raychaudhuri (D.N.), 1969

Described as genus.
Type species: *Indocinara hottesis* Ghosh (A.K.), Basu (R.C.) & Raychaudhuri (D.N.), 1969; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Cinara* Curtis, 1835.

**Indoidiopterus** Chakrabarti, Ghosh (A.K.) & Raychaudhuri (D.N.), 1972

Described as genus.
Type species: *Capitophorus geranii* Chowdhuri, Basu (R.C.), Chakrabarti & Raychaudhuri (D.N.), 1969; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Neotoxoptera* Theobald, 1915.
Indomasonaphis Verma, 1971
  Described as genus.
  Type species: Indomasonaphis indicum Verma, 1972; by original designation; junior synonym of Masonaphis anaphalidis Basu, 1964.
  Objective status: Available & potentially valid.
  Taxonomic position: Aphididae Aphidinae Macrosiphini.

Indomegoura Hille Ris Lambers, 1958
  Publication reference: MacGillivray, Temminckia, 10 [reprint]: 25.
  Described as genus.
  Type species: Rhopalosiphum indicum van der Goot, 1916; by original designation.
  Objective status: Available & potentially valid.
  Subjective status: Valid — Senior synonym of Omeimegoura Tao, 1963.
  Taxonomic position: Aphididae Aphidinae Macrosiphini.

Indomyzus Ghosh (A.K.), Ghosh (M.R.) & Raychaudhuri (D.N.), 1971
  Described as genus.
  Type species: Indomyzus sensoriatus Ghosh (A.K.), Ghosh (M.R.) & Raychaudhuri (D.N.), 1971; by original designation.
  Objective status: Available & potentially valid.
  Subjective status: Valid.
  Taxonomic position: Aphididae Aphidinae Macrosiphini.

Indonipponaphis Ghosh (A.K.) & Raychaudhuri (D.N.), 1973
  Publication reference: Kontyû, 41: 158.
  Described as genus.
  Type species: Indonipponaphis tuberculata Ghosh (A.K.) & Raychaudhuri (D.N.), 1973; by original designation.
  Objective status: Available & potentially valid.
  Subjective status: Valid.
  Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

Indoregma Chakrabarti & Maity, 1982
  Described as genus.
Type species: *Indoregma bambusae* Chakrabarti & Maity, 1982; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Pseudoregma* Doncaster, 1966.

*Indotetraneura* Chakrabarti & Maity, 1978
Described as subgenus of *Tetraneura* Hartig, 1841.
Type species: *Tetraneura javensis* van der Goot, 1917; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Eriosomatinae Eriosomatini — Subgenus of *Tetraneura* Hartig, 1841.

*Indotuberoaphis* Chakrabarti & Maity, 1984
Described as genus.
Type species: *Indotuberoaphis sorbi* Chakrabarti & Maity, 1984; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

*Indumasonaphis* Ghosh (M.R.), Basu (R.C.) & Raychaudhuri (D.N.), 1977
Described as genus.
Type species: *Masonaphis* (*Neomasonaphis*) *inulae* Ghosh (A.K.) & Raychaudhuri (D.N.), 1972; by original designation.
Objective status: Available & potentially valid.

*Iowana* Hottes, 1954
Described as genus.
Type species: *Iowana frisoni* Hottes, 1954; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

*Ipuka* van Harten & Ilharco, 1976
Described as genus.
Type species: *Aulacorthum dispersum* van der Goot, 1917; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Iranaphias** Remaudière & Davatchi, 1959

Described as genus.
Type species: *Iranaphias dehbani* Remaudière & Davatchi, 1959; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Israelaphis** Essig, 1953

Described as genus.
Type species: *Israelaphis carmini* Essig, 1953; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Israelaphidinae.

**Iziphya** Nevsky, 1929

Described as genus.
Type species: *Iziphya maculata* Nevsky, 1929; by original designation; junior synonym of *Aphis bufo* Walker, 1848.
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of *Caricaphis* Börner, 1930.
Taxonomic position: Aphididae Saltusaphidinae Saltusaphidini.

**Jacksonia** Theobald, 1923

Described as genus.
Type species: *Jacksonia papillata* Theobald, 1923; by monotypy.
Objective status: Available & potentially valid.
Subjective status: Valid.
Jaxartaphis Mordvilko, 1914
Described as genus.
Type species: There is none.
Objective status: Available & potentially valid.
Subjective status: Nomen dubium.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

Judenkoa Hille Ris Lambers, 1953
Publication reference: Temminckia, 9: 35.
Described as subgenus of Rhopalomyzus Mordvilko, 1921.
Type species: Aphis lonicerae Siebold, 1839; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of Rhopalomyzus Mordvilko, 1921.

Juncobia Quednau, 1954
Publication reference: Mitteilungen aus der Biologischen Zentralanstalt für Land- und Forstwirtschaft, 78: 40.
Described as genus.
Type species: Caricaphis leegei Börner, 1940; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Saltusaphidinae Saltusaphidini.

Juncomyzus Hille Ris Lambers, 1965
Described as genus.
Type species: Juncomyzus obscurus Hille Ris Lambers, 1965; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of Carolinaia Wilson, 1911.

Jurocallis Shaposhnikov, 1979
Publication reference: Paleontologicheskiy Zhurnal, 4: 68.
Described as genus.
Type species: *Jurocallis longipes* Shaposhnikov, 1979; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphidoidea incertae sedis.

*Kaburagia* Takagi, 1937

Described as genus.
Type species: *Kaburagia rhusicola* Takagi, 1937; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of *Macrorhinarium* Tsai & Tang, 1945.
Taxonomic position: Aphididae Erriosomatinae Fordini.

*Kakimia* Hottes & Frison, 1931

Described as subgenus of *Myzus* Passerini, 1860.
Type species: *Myzus thomasi* Hottes & Frison, 1931; by original designation; junior synonym of *Nectarophora cynosbati* Oestlund, 1887.
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of *Neokakimia* Doncaster & Stroyan, 1952.
Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Nasonovia* Mordvilko, 1914.

*Kallistaphis* Kirkaldy, 1905

Described as genus.
Type species: *Aphis betulicola* Kaltenbach, 1843; by original designation.
Objective status: Available & potentially valid.
Useful information about the objective status: Senior objective synonym of *Neocallipterus* van der Goot, 1915.
Subjective status: Junior synonym of *Calaphis* Walsh, 1863.

*Kaltenbachiella* Schouteden, 1906

Described as genus.
Type species: *Kaltenbachiella menthae* Schouteden, 1906; by original designation; junior synonym of *Byrsocrypta pallida* Haliday, 1838.
**Objective status:** Available & potentially valid.

**Subjective status:** Valid — Senior synonym of *Gobaisha* Matsumura, 1917.

**Taxonomic position:** Aphididae Eriosomatinae Eriosomatini.

**Kaochioja** Tao, 1963

Described as genus.
Type species: *Myzus arthraxonis* Takahashi, 1921; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Karamicrosiphum** Zhang (G.-x.), 1998

Described as genus.
Type species: *Karamicrosiphum humuliosum* Zhang (G.-x.) & Qiao, 1998; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Kessleria** Lichtenstein, 1886

Described as subgenus of *Pemphigus* Hartig, 1839.
Type species: *Pemphigus spyrothecae* Passerini, 1860; by original designation.
Objective status: Available but invalid — Junior homonym of *Kessleria* Nowicki, 1864 (Lepidoptera) and of *Kessleria* Bogdanov, 1882 (Actinopterygii).
Useful information about the objective status: Replaced by *Hamadryaphis* Kirkaldy, 1904 (*nomen novum*).

**Khotontaphis** Shaposhnikov & Wegierek, 1989

Described as genus.
Type species: *Khotontaphis lachnoides* Shaposhnikov & Wegierek, 1989; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Oviparosiphidae.

**Klimaszewskia** Szelegiewicz, 1979

Described as genus.
Type species: *Klimaszewskia dracocephali* Szelegiewicz, 1979; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

*Krikoanoecia* Zhang (G.-x.) & Qiao, 1996

Described as genus.
Type species: *Krikoanoecia circula* Qiao & Zhang (G.-x.), 1996; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Anoeciinae.

*Ktenopteryx* Qiao & Zhang (G.-x.), 2003

Described as genus.
Type species: *Ctenopteryx eosocallis* Qiao & Zhang (G.-x.), 2003; denoted by new replacement name (Article 67.8).
Objective status: Available & potentially valid.
Useful information about the objective status: Replacement name (*nomen novum*) for *Ctenopteryx* Qiao & Zhang (G.-x.), 2003.
Subjective status: Valid.
Taxonomic position: Aphididae Hormaphidinae Cerataphidini.

*Kugegania* Eastop, 1955

Described as subgenus of *Micromyzus* van der Goot, 1917.
Type species: *Micromyzus (Kugegania) ageni* Eastop, 1955; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

*Kurisakia* Takahashi, 1924

Described as genus.
Type species: *Kurisakia juglandicola* Takahashi, 1924; by original designation; junior synonym of *Anoecia onigurumii* Shinji, 1923.
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of *Tuberocorpus* Shinji, 1929.
Taxonomic position: Aphididae Thelaxinae.

**Lachnaphis** Shinji, 1922

Described as genus.
Type species: *Lachnaphis yomogi* Shinji, 1922; by monotypy; junior synonym of *Sappaphis piri* Matsumura, 1918.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Sappaphis* Matsumura, 1918.

**Lachnarius** Heie, 2006

Described as genus.
Type species: *Lachnarius miocaenicus* Heie, 2006; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Lachninae.

**Lachniella** Del Guercio, 1909

Publication reference: Redia, 5 [1908]: 286.
Described as genus.
Type species: *Aphis costata* Zetterstedt, 1928; by subsequent designation (Wilson, 1911: 10) & actuation of Nieto Nafría et al. (2010: 67) under the Article 70.3.2 of the ICZN; Junior synonym of *Aphis costata* Zetterstedt, 1828.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Cinara* Curtis, 1835.

**Lachnochaitophorus** Granovsky, 1933

Described as genus.
Type species: *Lachnochaitophorus querceus* Granovsky, 1933; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina.

**Lachnus** Burmeister, 1835

Described as genus.
Type species: *Aphis roboris* Linnaeus, 1758; by designation under the plenary powers by the International Commission on Zoological Nomenclature [Opinion 399].

Objective status: Available & potentially valid.

Useful information about the objective status: Name placed in the Official Lists of Generic Names in Zoology [Opinion 399; name number 989]. Senior objective synonym of *Dryaphis* Kirkaldy, 1904, of *Dryobius* Koch, 1855, and of *Pteroclorus* Rondani, 1848.

Subjective status: Valid — Senior synonym of *Schizodryobius* van der Goot, 1913, and *Sublachnobius* Heinze, 1962.

Taxonomic position: Aphididae Lachninae Lachnini.

*Lactucobium* Hille Ris Lambers, 1947


Described as subgenus of *Acyrthosiphon* Mordvilko, 1914.

Type species: *Acyrthosiphon scariolae* Nevsky, 1929; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Acyrthosiphon* Mordvilko, 1914.

*Lacusaphis* Zhang (G.-x.), 2002


Described as subgenus of *Siphonatrophia* Swain, 1918.

Type species: *Siphonatrophia (Lacusaphis) aetherelaca* Zhang (L.) & Zhang (G.-x.), 2002; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidina — Subgenus of *Siphonatrophia* Swain, 1918.

*Laingia* Theobald, 1922


Described as genus.

Type species: *Laingia psammae* Theobald, 1922; by original designation.

Objective status: Available & potentially valid.


Taxonomic position: Aphididae Chaitophorinae Siphini.

*Lambersaphis* Narzikulov, 1961


Described as genus.
Type species: *Neothomasia pruinosa* Narzikulov, 1954; by original designation. 
Objective status: Available & potentially valid. 
Subjective status: Valid. 
Taxonomic position: Aphididae Chaitophorinae Chaitophorini.

**Lambersella** Sorensen, 1994

Described as subgenus of *Essigella* del Guercio, 1909. 
Type species: *Essigella fusca* Gillette & Palmer, 1924; by original designation. 
Objective status: Available & potentially valid. 
Subjective status: Valid. 

**Lambersius** Olive, 1965

Described as subgenus of *Dactynotus* Rafinesque, 1818. 
Type species: *Siphonophora erigeronensis* Thomas, 1878; by original designation. 
Objective status: Available & potentially valid. 
Subjective status: Valid. 
Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Uroleucon* Mordvilko, 1914.

**Landisaphis** Knowlton & Ma, 1949

Described as genus. 
Type species: *Landisaphis davisi* Knowlton & Ma, 1949; by original designation. 
Objective status: Available & potentially valid. 
Subjective status: Valid. 
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Laricaria** Börner, 1949

Described as subgenus of *Cinaria* Börner, 1939. 
Type species: *Cinaria kochiana* Börner, 1939; by original designation. 
Objective status: Available & potentially valid. 
Subjective status: Junior synonym of *Cinara* Curtis, 1835.
Larssonaphis Heie, 1967
Described as genus.
Type species: Larssonaphis obnubila Heie, 1967; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae (Drepanosiphidae sensu Heie complex).

Larvaphis Ossiannilsson, 1953
Described as subgenus of Thripsaphis Gillette, 1917.
Type species: Thripsaphis brevicornis Ossiannilsson, 1953; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.

Latgerina Remaudière, 1981
Described as genus.
Type species: Latgerina orizabaensis Remaudière, 1981; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Calaphidinae Calaphidini Monaphidina.

Lehrius Gredina, 1995
Described as genus.
Type species: Lehrius papillicaudus Gredina, 1995; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

Lepidaphis Kadyrbekov, Renxin & Shao, 2002
Publication reference: Tethys Entomological Research, 6: 16.
Described as genus.
Type species: Xerophilaphis deformans Nevsky, 1929; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Leptocallites** Hong, 2002
Described as genus.
Type species: *Leptocallites silutianensis* Hong, 2002; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae (Drepanosiphidae sensu Heie complex).

**Leptopteryx** Zetterstedt, 1837
Described as genus.
Type species: *Leptopteryx nivalis* Zetterstedt, 1837; by monotypy; junior synonym of *Aphis punctipennis* Zetterstedt, 1828.
Objective status: Available but invalid — Junior homonym of *Leptopteryx* Horsfield, 1821 (Aves).
Useful information about the objective status: Replaced by *Euceraphis* Walker, 1870.

**Leucosiphon** Börner, 1952
Described as subgenus of *Medoralis* Börner, 1952.
Type species: *Aphis farinosa* Gmelin, 1790; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

**Liaoaphis** Hong, 2002
Described as genus.
Type species: *Liaoaphis furvifemoralis* Hong, 2002; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae.

**Lidaja** Börner, 1952
Described as genus.
Type species: *Hyalopterus abrotani* Koch, 1854; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Coloradoa* Wilson, 1910.

**Linaphis** Zhang (G.-x.), 1981
Publication reference: Zhang (G.-x.) & Zhong, Sinozoologia, 1: 44.
Described as genus.
Type species: *Linaphis lini* Zhang (G.-x.), 1981; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Lineomyzocallis** Richards, 1965
Described as subgenus of *Myzocallis* Passerini, 1860.
Type species: *Aphis bella* Walsh, 1863; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina —
Subgenus of *Myzocallis* Passerini, 1860.

**Linosophon** Börner, 1950
Described as genus.
Type species: *Macrosiphum galiophagum* Wimshurst, 1923; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Liosomaphis** Walker, 1868
Described as genus.
Type species: *Aphis berberidis* Kaltenbach, 1843; by monotypy.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Lipamyzodes** Heinze, 1960
Described as genus.
Type species: *Lipaphis matthiolae* Doncaster, 1954; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.

**Taxonomic position:** Aphididae Aphidinae Macrosiphini.

**Lipaphidiella** Doncaster, 1954
Described as subgenus of *Lipaphis* Mordvilko, 1928.
Type species: *Myzaphis lepidii* Nevsky, 1929; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.

**Taxonomic position:** Aphididae Aphidinae Macrosiphini — Subgenus of *Lipaphis* Mordvilko, 1928.

**Lipaphidoides** Börner, 1939
Described as subgenus of *Lipaphis* Mordvilko, 1928.
Type species: *Lipaphis rossi* Börner, 1939; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Lipaphis* Mordvilko, 1928.

**Lipaphis** Mordvilko, 1928
Described as genus.
Type species: *Aphis erysimi* Kaltenbach, 1843; by monotypy.
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of *Lipaphidoides* Börner, 1939.
**Taxonomic position:** Aphididae Aphidinae Macrosiphini — With subgenera *Lipaphis* and *Lipaphidiella* Doncaster, 1954.

**Liporrhinus** Börner, 1939
Described as genus.
Type species: *Aphis chelidonii* Kaltenbach, 1843; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.

**Taxonomic position:** Aphididae Aphidinae Macrosiphini — Subgenus of *Acyrtosiphon* Mordvilko, 1914.
**Lithaphis** Scudder, 1890


Described as genus.

Type species: *Lithaphis diruta* Scudder, 1890; by monotypy; junior synonym of *Siphonophoroides antiqua* Buckton, 1883.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Drepanosiphinae

**Lithoaphis** Takahashi, 1959


Described as genus.

Type species: *Lithoaphis shiiae* Takahashi, 1959; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

**Lizerius** Blanchard (E.E.), 1923

Publication reference: Physis [Buenos Aires], 7: 120.

Described as genus.

Type species: *Lizerius ocoteae* Blanchard (E.E.), 1923; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Neolizerius* Blanchard (E.E.), 1939.

Taxonomic position: Aphididae Lizeriinae — With subgenera *Lizerius* and *Paralizerius* Quednau, 1974.

**Lizerocallis** Sousa-Silva & Ilharco, 2003

Publication reference: Agronomia Lusitana, 50 (3-4) [2002]: 137.

Described as genus.

Type species: *Lizerocallis flavus* Sousa-Silva & Ilharco, 2003; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lizeriinae — Subgenus of *Paoliella* Theobald, 1928.

**Loewia** Lichtenstein, 1886


Described as genus.
Type species: *Schizoneura passerinii* Signoret, 1875; by original designation.  
Objective status: Available but invalid — Junior homonym of *Loewia* Egger, 1856 (Diptera).  
Useful information about the objective status: Replaced by *Phloeomyzus* Horváth, 1896 (*nomen novum*).

**Longicaudinus** Hille Ris Lambers, 1965

Described as genus.  
Type species: *Hyalopterooides sinensis* Tao, 1963; by original designation;  
junior synonym of *Pergandeida corydaliscola* Tao, 1962.  
Objective status: Available & potentially valid.  
Subjective status: Valid.  
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Longicaudus** van der Goot, 1913

Described as genus.  
Type species: *Aphis trirhoda* Walker, 1849; by original designation.  
Objective status: Available & potentially valid.  
Useful information about the objective status: Senior objective synonym of *Hemiaphis* Börner, 1926.  
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Longirostrina** Kumar & Burkhardt, 1971

Publication reference: Journal of the Kansas Entomological Society, 44 (3): 419.  
Described as genus.  
Type species: *Longirostris raji* Kumar & Burkhardt, 1970; denoted by new replacement name (Article 67.8).  
Objective status: Available & potentially valid.  
Useful information about the objective status: Replacement name (*nomen novum*) for *Longirostris* Kumar & Burkhardt, 1970.  
Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

**Longirostris** Kumar & Burkhardt, 1970

Described as genus.
Type species: *Longirostris raji* Kumar & Burkhardt, 1970; by original designation.

Objective status: Available but invalid — Junior homonym of *Longirostris* Cuvier, 1807 (Reptilia), and of *Longirostris* S.D.W., 1836 (Aves).

Useful information about the objective status: Replaced by *Longorostrina* Kumar & Burkhart, 1970 (*nomen novum*).

**Longisiphoniella** Chakrabarti, Saha & Mandal, 1988


Described as genus.

Type species: *Longisiphoniella subterranea* Chakrabarti, Saha & Mandal, 1984; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Longistigma** Wilson, 1909

Publication reference: Canadian Entomologist, 41: 385.

Described as genus.

Type species: *Aphis caryae* Harris, 1841; by monotypy.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Davisia* Del Guercio, 1909.

Subjective status: Valid.

Taxonomic position: Aphididae Lachninae Lachnini.

**Longitarsus** Shinji, 1930

Publication reference: Reports of the Japanese Association for the Advancement of Science, 5: 189.

Described as genus.

Type species: *Trama taraxaci* Shinji, 1929; by original designation.

Objective status: Available but invalid — Junior homonym of *Longitarsus* Berthold, 1827 (Coleoptera).

Useful information about the objective status: Replaced by *Neotrama* Baker (A.C.), 1920.

**Longiunguis** van der Goot, 1917

Publication reference: Koningsberger, Contributions a la Faune des Indes Néerlandaises, 1 (3): 112.

Described as genus.

Type species: *Aphis sacchari* Zehntner, 1897; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Melanaphis* van der Goot, 1917.

**Loniceraphis** Narzikulov, 1962
Described as genus.
Type species: *Loniceraphis paradoxa* Narzikulov, 1962; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Loxerates** Rafinesque, 1818
Described as subgenus of *Aphis* Linneus, 1758.
Type species: *Aphis diervillalutea* Rafinesque, 1817; by subsequent designation (Wilson, 1910: 28).
Objective status: Available & potentially valid.
Subjective status: Nomen dubium — Aphididae.

**Lutaphis** Shinji, 1924
Described as genus.
Type species: *Lutaphis nirecola* Shinji, 1924; by original designation; junior synonym of *Myzocallis zelkowae* Takahashi, 1919.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Tinocallis* Matsumura, 1919.

**Lyncuricallis** Wegierek, 1996
Described as genus.
Type species: *Lyncuricallis polonicus* Wegierek, 1996; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Phyllaphidinae.

**Macchiatiella** Del Guercio, 1909
Described as genus.
Type species: *Aphis rhamni* Boyer de Fonscolombe, 1841; by original designation.
Registros de los taxones del nivel familia y del nivel género de Aphidoidea (Hemiptera Sternorrhyncha). 81-404, 2010

Objective status: Available & potentially valid.
Useful information about the objective status: Senior homonym of Macchiatiella Del Guercio 1917.
Subjective status: Valid — Senior synonym of Neanuraphis Nevsky, 1926, and Neolachnaphis Shinji, 1924.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Macchiatiella** Del Guercio, 1917
Described as genus.
Type species: *Macchiatiella trifolii* Del Guercio, 1917; by original designation; junior synonym of *Aphispisum* Harris, 1776.
Objective status: Available but invalid — Junior homonym of Macchiatiella Del Guercio 1909.
Useful information about the objective status: Replaced by *Acyrthosiphon* Mordvilko, 1914.

**Machilaphis** Takahashi, 1960
Described as genus.
Type species: *Phyllaphis machili* Takahashi, 1928; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Phyllaphidinae.

**Macrhynchus** Haupt, 1913
Publication reference: Mitteilungen aus der Entomologischen Gesellschaft zu Halle, 5-7: 45.
Described as genus.
Type species: *Macrhynchus pini* Haupt, 1913; by original designation; junior synonym of *Aphis quercus* Linnaeus, 1758.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of Stomaphis Walker, 1870.

**Macrocaudus** Shinji, 1930
Described as genus.
Type species: *Macrocaudus phaseoli* Shinji, 1930; by subsequent designation (Shinji, 1930: 78).
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Acyrthosiphon* Mordvilko, 1914.
**Macromyzella** Ghosh (M.R.), Basu (R.C.) & Raychaudhuri (D.N.), 1977


Described as genus.

Type species: *Myzus polypodicola* Takahashi, 1921; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Macromyzus** Takahashi, 1960


Described as genus.

Type species: *Myzus woodwardiae* Takahashi, 1921; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.


**Macropodaphis** Remaudière & Davatchi, 1958


Described as genus.

Type species: *Macropodaphis rechingeri* Remaudiere & Davatchi, 1958; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Macropodaphidinae.

**Macrorhinarium** Tsai & Tang, 1945


Described as genus.

Type species: *Macrorhinarium ovogallis* Tsai & Tang, 1945; by original designation; junior synonym of *Kaburagia rhusicola* Takagi, 1937.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Kaburagia* Takagi, 1937.

**Macrosiphon** Börner, 1952


Described as genus.

Type species: *Aphis rosae* Linnaeus, 1758; denoted by unjustified emendation (Article 67.8).
Objective status: Available but invalid — Unjustified emendation & Junior objective synonym of *Macrosiphum* Passerini, 1860.

*Macrosiphoniella* Del Guercio, 1911


Described as genus.

Type species: *Siphonophora atra* Ferrari, 1872; by original designation.

Objective status: Available & potentially valid.


*Macrosiphum* Del Guercio, 1900


Described as genus.

Type species: *Aphis convolvuli* Kaltenbach, 1843; by subsequent designation (Baker (A.C.), 1920: 55); Junior synonym of *Aphis persicae* Sulzer, 1776.


Useful information about the objective status: Replaced by *Nectarosiphon* Schouteden, 1901 (*nomen novum*).

*Macrosiphum* Oestlund, 1886


Described as genus.

Type species: *Macrosiphum rubicola* Oestlund, 1886; by monotypy.

Objective status: Available but invalid — Junior homonym of *Macrosiphum* Passerini, 1860.

Useful information about the objective status: Replaced by *Oestlundia* Hille Ris Lambers, 1942 (*nomen novum*).

*Macrosiphum* Passerini, 1860

Publication reference: Gli Afidi con un prospetto dei generi e alcune specie nuove italiane: 27 (footnote).

Described as genus.

Type species: *Aphis rosae* Linnaeus, 1758; denoted by new replacement name.
(Article 67.8).
Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Siphonophora* Koch, 1855. Senior objective synonym of *Macrosiphon* Börner, 1952, and of *Nectarophora* Oestlund, 1887.

Subjective status: Valid — Senior synonym of *Passerinia* Macchiati, 1880.


**Macrotrichaphis** Miyazaki, 1971

Described as genus.
Type species: *Macrotrichaphis yatsugatakensis* Miyazaki, 1971; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Maculodryaphis** Gaumont, 1923

Described as genus.
Type species: *Aphis submacula* Walker, 1848; by subsequent monotypy (Börner, 1952: 237).
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Maculolachnus* Gaumont, 1920.

**Maculolachnus** Gaumont, 1920

Described as genus.
Type species: *Lachnus rosae* Cholodkovsky, 1899; by original designation; junior synonym of *Aphis submacula* Walker, 184.
Objective status: Available & potentially valid.
Useful information about the objective status: Senior objective synonym of *Neolachnus* Mordvilko, 1929.
Subjective status: Valid — Senior synonym of *Maculodryaphis* Gaumont, 1923
Taxonomic position: Aphididae Lachninae Lachnini.

**Malaphis** Shaposhnikov, 1951

Described as genus.
Type species: *Malaphis magna* Shaposhnikov, 1951; by original designation; junior synonym of *Neanuraphis quaestionis* Börner, 1942.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Allocotaphis* Börner, 1950.

**Mamontova** Shaposhnikov, 1964


Described as genus.

Type species: *Mamontova vera* Shaposhnikov, 1964; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Nearctaphis* Shaposhnikov, 1950.

**Mansakia** Matsumura, 1917


Described as genus.

Type species: *Mansakia miyabei* Matsumura, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Hamamelistes* Shimer, 1867.

**Margituberculatus** Zhang (G.-x.), Zhong & Zhang (W.-y.), 1992


Described as genus.

Type species: *Margituberculatus longituberculatus* Zhang (G.-x.), Zhong & Zhang (W.-y.), 1992; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Mariaella** Szelegiewicz, 1961


Described as genus.

Type species: *Mariaella lambersi* Szelegiewicz, 1961; by original designation.

Objective status: Available but invalid — Junior homonym of *Mariaella* Gray, 1855 (Mollusca Gastropoda).

Useful information about the objective status: Replaced by *Szelegiewicziana* Özdikem & Demir, 2007 (*nomen novum*).

**Masonaphis** Hille Ris Lambers, 1939

Publication reference: Temminckia, 4: 122.
Described as genus.

Type species: *Macrosiphum rhododendri* Wilson, 1918; by original designation & actuation of Nieto Nafria et al. (2010: 67) under the Article 70.3.1 of the ICZN.

Objective status: Available & potentially valid.

Subjective status: Valid.


*Masraphis* Soliman, 1938


Described as genus.

Type species: *Masraphis phyllostachia* Soliman, 1938; by original designation; junior synonym of *Aphis bambusae* Fullaway, 1910.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Melanaphis* van der Goot, 1917.

*Mastopoda* Oestlund, 1886


Described as genus.

Type species: *Mastopoda pteridis* Oestlund, 1886; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

*Matsumuraja* Schumacher, 1921


Described as genus.

Type species: *Acanthaphis rubi* Matsumura, 1918; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Acanthaphis* Matsumura, 1918.

Subjective status: Valid — Senior synonym of *Neophorodon* Takahashi, 1922.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

*Mecinaria* Börner, 1949


Described as subgenus of *Cinaria* Börner, 1939.

Type species: *Aphis piceae* Panzer, 1801; by original designation.
Registros de los taxones del nivel familia y del nivel género de Aphiodea (Hemiptera Sternorrhyncha). 81-404, 2010

Objective status: Available & potentially valid.
Subjective status: Junior synonym of Cinara Curtis, 1835.

Mediosiphum Wojciechowski, 1993
Described as genus.
Type species: Mediosiphon caucasicum Wojciechowski, 1993; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of Macrosipioniella Del Guercio, 1911.

Medoralis Börner, 1952
Described as genus.
Type species: Aphis poni De Geer, 1773; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of Aphis Linnaeus, 1758.

Megallocallis Takahashi, 1963
Described as genus.
Type species: Megallocallis takagii Takahashi, 1963; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of Yamatocallis Matsumura, 1917.

Megalomysitisites Hong, 2002
Described as genus.
Type species: Megalomysitisites longitibiales Hong, 2002; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae (Drepanosiphidae sensu Heie complex).

Megalosiphum Mordvilko, 1914
Described as subgenus of Macrosipium Passerini, 1860.
Type species: Aphis sonchi Linnaeus, 1767; by subsequent designation (Börner & Schilder, 1930: 188) [Included species, under art. 67.2.2, by Ferrière & Vussakovich, 1928: 26].
Objective status: Available but invalid — Junior objective synonym of *Uroleucon* Mordvilko, 1914.

**Megantennaphis** Heie, 1967
- Publication reference: Spolia Zoologica Musei Hauniensis, 26: 142.
- Described as genus.
- Type species: *Megantennaphis hauniensis* Heie, 1967; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Valid.
- Taxonomic position: Aphididae Drepanosiphinae.

**Megapodaphis** Heie, 1967
- Described as genus.
- Type species: *Megapodaphis monstrabilis* Heie, 1967; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Valid.
- Taxonomic position: Aphididae Macropodaphidinae.

**Megoura** Buckton, 1876
- Publication reference: Monograph of the British Aphides, 1: 188.
- Described as genus.
- Type species: *Megoura viciae* Buckton, 1876; by original designation.
- Objective status: Available & potentially valid.
- Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Megourella** Hille Ris Lambers, 1949
- Publication reference: Temminckia, 8: 268.
- Described as genus.
- Type species: *Aphis tribulis* Walker, 1849; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Valid.
- Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Megourina** Hille Ris Lambers, 1974
- Described as genus.
- Type species: *Megourina lagacei* Hille Ris Lambers, 1974; by original designation.
- Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Megouroparsus** Smith & Heie, 1963


Described as genus.

Type species: *Neoamphorophora tephrosiae* Smith, 1948; by original designation.

Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Microparsus* Patch, 1909.

**Meguroleucon** Miyazaki, 1971


Described as genus.

Type species: *Meguroleucon codonopsicola* Miyazaki, 1971; by original designation.

Objective status: Available & potentially valid.
Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Meitanaphis** Tsai & Tang, 1946


Described as genus.

Type species: *Meitanaphis elongallis* Tsai & Tang, 1946; by original designation.

Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Schlechtendalia* Lichtenstein, 1883.

**Melanaphis** van der Goot, 1917

Publication reference: Koningsberger, Contributions a la Faune des Indes Néerlandaises, 1 (3): 60.

Described as genus.

Type species: *Aphis bambusae* Fullaway, 1910; by original designation.

Objective status: Available & potentially valid.

Taxonomic position: Aphididae Aphidinae Aphidini Rhopalosiphina.
**Melanocallis** Oestlund, 1923

Described as genus.
Type species: *Callipterus caryaefoliae* Davis, 1910; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

**Melanosiphum** Shinji, 1942

Described as genus.
Type species: *Melanosiphum lonicericola* Shinji, 1942; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Amphicercidus* Oestlund, 1923.

**Melanoxanterium** Schouteden, 1901

Described as genus.
Type species: *Aphis salicis* Linnaeus, 1758; denoted by new replacement name (Article 67.8).
Objective status: Available but invalid — Junior objective synonym of *Clavigerus* Szépligeti, 1883.
Useful information about the objective status: Replacement name (*nomen novum*) for *Melanoxanthus* Buckton, 1879.

**Melanoxanthus** Buckton, 1879

Described as genus.
Type species: *Aphis salicis* Linnaeus, 1758; by monotypy.
Objective status: Available but invalid — Junior homonym of *Melanoxanthus* Eschschoitz, 1836 (Coleoptera); Junior objective synonym of *Clavigerus* Szépligeti, 1883.
Useful information about the objective status: Replaced by *Melanoxanterium* Schouteden, 1901 (*nomen novum*).

**Melaphis** Walsh, 1867

Described as genus.
Type species: *Byrsocrypta rhois* Fitch, 1866; by monotypy.
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of *Truncaphis* Theobald, 1918.
Taxonomic position: Aphididae Eriosomatinae Fordini.

*Meliarhizophagus* Smith, 1974
Described as genus.
Type species: *Pemphigus fraxinifolii* Riley, 1879; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.

*Mengeaphis* Heie, 1967
Described as genus.
Type species: *Lachmus glandulosus* Menge, 1856; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Phyllaphidinae.

*Meringosiphon* Carver, 1959
Described as genus.
Type species: *Meringosiphon paradisicus* Carver, 1959; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Greenideinae Cervaphidini.

*Mesocallis* Matsumura, 1919
Described as genus.
Type species: *Myzocallis sawashibae* Matsumura, 1917; by original designation.
Objective status: Available & potentially valid.
Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina — With subgenera *Mesocallis* and *Paratinocallis* Higuchi, 1972.
**Mesothoracaphis** Noordam, 1991


Described as genus.

Type species: *Thoracaphis rappardi* Hille Ris Lambers & Takahashi, 1959; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

**Mesotrichosiphum** Calilung, 1967


Described as genus.

Type species: *Mesotrichosiphum uichancoi* Calilung, 1967; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Greenideinae Greenideini.

**Mesoviparosiphum** Zhang (J.-f.), Zhang (S.), Hou & Ma, 1989


Described as genus.

Type species: *Mesoviparosiphum tuanwangense* Zhang (J.-f.), Zhang (S.), Hou & Ma, 1989; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Oviparosiphidae.

**Metagreenidea** Liao, 1978


Described as subgenus of *Greenidea* Schouteden, 1905.

Type species: *Greenidea brideliae* Takahashi, 1928; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Greenidea* Schouteden, 1905.

**Metanipponaphis** Takahashi, 1959


Described as genus.

Type species: *Metanipponaphis rotunda* Takahashi, 1959; by original designation.

Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

**Metaphis** Matsumura, 1918
Described as genus.
Type species: *Metaphis angelicae* Matsumura, 1918; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Cavariella* Del Guercio, 1911.

**Metaphorodon** Takahashi, 1961
Described as genus.
Type species: *Phorodon ishimikawae* Shinji, 1941; by original designation; junior synonym of *Phorodon polygoni* van der Goot 1917.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Xenomyzus* Aizenberg, 1935.

**Metathoracaphis** Sorin, 1987
Described as genus.
Type species: *Metathoracaphis isensis* Sorin, 1987; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

**Metatrichosiphon** Raychaudhuri (D.N.), 1956
Described as genus.
Type species: *Trichosiphum nigrofasciatum* Maki, 1917; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of *Ditricosiphon* Raychaudhuri (D.N.), 1956

**Metobion** Heikinheimo, 1990
Publication reference: Entomologia Fennica, 1: 93.
Described as subgenus of *Sitobion* Mordvilko, 1914.
Type species: *Acrthosiphon graminearum* Mordvilko, 1919; by original
designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of Sitobion Mordvilko, 1914.

**Metopeuraphis** Narzikulov & Smailova, 1975

Described as genus.
Type species: *atriplicis* Narzikulov & Smailova, 1976; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Metopeurum** Mordvilko, 1914

Described as genus.
Type species: *fuscoviride* Stroyan, 1950; by designation under the plenary powers by the International Commission on Zoological Nomenclature [Opinion 646].
Objective status: Available & potentially valid.
Useful information about the objective status: Name placed in the Official Lists of Generic Names in Zoology [Opinion 646; name number 1503].
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Metopolophinum** Ghosh (L.K.), 1970

Described as subgenus of *Metopolophium* Mordvilko, 1914.
Type species: *Metopolophium* (*Metopolophinum*) *darjeelingensis* Gosh (L.K.), 1970; by original designation.
Objective status: Available & potentially valid.

**Metopolophium** Mordvilko, 1914

Described as subgenus of *Acyrthosiphon* Mordvilko, 1914.
Type species: *Aphis dirhoda* Walker, 1849; by subsequent designation (Mordvilko, 1919: 270).
Objective status: Available & potentially valid.
Useful information about the objective status: Senior objective synonym of *Goidanichiellum* Martelli, 1950.
Subjective status: Valid — Senior synonym of *Goidanichiellum* Martelli, 1950.

**Mexicallis** Remaudière, 1982
Described as genus.
Type species: *Mexicallis spinifer* Remaudière, 1982; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.

**Micraphis** Takahashi, 1931
Described as genus.
Type species: *Anuraphis artemisiae* Takahashi, 1924; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Micrella** Essig, 1912
Described as genus.
Type species: *Micrella monelli* Essig, 1912; by original designation.
Objective status: Available but invalid — Junior homonym of *Micrella* Motschulsky, 1868 (Coleoptera), of *Micrella* Bergh, 1899 (Mollusca), and of *Micrella* Punnett, 1901 (Nemertines).
Useful information about the objective status: Replaced by *Chaitophorus* Koch, 1854.

**Microlophium** Mordvilko, 1914
Described as subgenus of *Acyrthosiphon* Mordvilko, 1914.
Type species: *Aphis ursicae* Schrank, 1801; by original designation; junior synonym of *Siphonophora carnosa* Buckton, 1876.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Micromyzella** Eastop, 1955

Described as subgenus of *Micromyzus* van der Goot, 1917.
Type species: *Myzus pterisoides* Theobald, 1918; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Micromyzodium** David, 1958

Described as genus.
Type species: *Micromyzodium filicium* David, 1958; by original designation.
Objective status: Available & potentially valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Micromyzus** van der Goot, 1917

Described as genus.
Type species: *Micromyzus niger* van der Goot, 1917; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of *Myzopsis* Matsumura, 1918.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Microparsus** Patch, 1909

Described as genus.
Type species: *Microparsus variabilis* Patch, 1909; by monotypy.
Objective status: Available & potentially valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Microparsus* and *Picturaphis* Blanchard (E.E.), 1922.
**Microsiphon** Börner, 1952


Described as genus.

Type species: *Microsiphum ptarmicae* Cholodkovsky, 1902; denoted by unjustified emendation (Article 67.8).


**Microsiphon** Del Guercio, 1907


Described as genus.

Type species: *Aphis tormentillae* Passerini, 1879; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior homonym of *Microsiphon* Börner, 1952.

Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

**Microsiphoniella** Hille Ris Lambers, 1947


Described as genus.

Type species: *Chaitophorus artemisiae* Gillette, 1911; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Microsiphum** Cholodkovsky, 1902


Described as genus.

Type species: *Microsiphum ptarmicae* Cholodkovsky, 1902; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Microtarsus** Shinji, 1929

Publication reference: Lansania, 1: 43.

Described as genus.

Type species: *Microtarsus pterydfoliae* Shinji, 1929; by original designation; junior synonym of *Atarsos orientalis* Mordvilko, 1929.
Objective status: Available but invalid — Junior homonym of *Microtarsus* Eyton, 1839 (Aves).
Useful information about the objective status: Replaced by Shinjia Takahashi, 1938 (*nomen novum*).

**Microthoracaphis** Takahashi, 1959

Described as genus.
Type species: *Microthoracaphis elongata* Takahashi, 1959; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Neothoracaphis* Takahashi, 1959.

**Microunguis** Tao, 1966

Described as genus.
Type species: *Thoracaphis depressus* Takahashi, 1933; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

**Mimaphidus** Rondani, 1848

Described as genus.
Type species: *Aphis ulmi* Fabricius, 1775; by original designation; junior synonym of *Schizoneura lanuginosa* Hartig, 1841.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Eriosoma* Leach, 1818.

**Mimeuria** Börner, 1952

Described as genus.
Type species: *Neorhizobius ulmophilus* Del Guercio, 1917; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Eriosomatinae Pemphigini.
**Mimocallis** Matsumura, 1919


Described as genus.

Type species: *Mimocallis betulijaponicae* Matsumura, 1919; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Euceraphis* Walker, 1870.

**Mindarella** Heie, 1989


Described as genus.

Type species: *Mindarella biamoensis* Heie, 1989; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Mindarinae.

**Mindarus** Koch, 1857


Described as genus.

Type species: *Mindarus abietinus* Koch, 1857; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Pterostigma* Buckton, 1883 (extinct), *Schizoneuroides* Buckton, 1883 (extinct), and *Sychnobrochus* Scudder, 1890 (extinct).

Taxonomic position: Aphididae Mindarinae.

**Mindazerius** Heie & Poinar, 1988


Described as genus.

Type species: *Mindazerius dominicanus* Heie & Poinar, 1988; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lizeriinae.

**Minuticornicus** Knowlton, 1928


Described as genus.

Type species: *Minuticornicus gravidis* Knowlton, 1928; by original designation; junior synonym of *Cerosipha cupressi* Swain, 1918.

Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Siphonatrophia* Swain, 1918.

**Miraphis** Nevsky, 1928


Described as genus.

Type species: *Miraphis agabiformis* Nevsky, 1928; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Hyadaphis* Kirkaldy, 1904.

**Miraphoides** Rusanova, 1943


Described as genus.

Type species: *Miraphoides millefolii* Rusanova, 1943; by original designation.

Objective status: Available & potentially valid.

Subjective status: Nomen dubium.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Mirotarsus** Börner, 1939


Described as subgenus of *Acyrthosiphon* Mordvilko, 1914.

Type species: *Siphonophora cyparissiae* Koch, 1855; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Acyrthosiphon* Mordvilko, 1914.

**Misturaphis** Robinson, 1967


Described as genus.

Type species: *Misturaphis shiloensis* Robinson, 1967; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

**Mollitrichosiphum** Suenaga, 1934

Publication reference: Bulletin of the Kagoshima Imperial College of Agriculture and Forestry, Dedicated to the Twenty-Fifth Anniversary, 1: 797

Described as genus.

Type species: *Greenidea tenuicorpus* Okajima, 1908; by original designation; junior synonym of *Trichosiphum tenuicorpus* Okajima, 1908.

Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of *Neotrichosiphon* Raychaudhuri (D.N.), 1956.


**Monaphis** Walker, 1870


Described as genus.

Type species: *Aphis antennata* Kaltenbach, 1843; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Bradyaphis* Mordvilko, 1894.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Calaphidini Monaphidina.

**Monellia** Oestlund, 1887


Described as genus.

Type species: *Aphis caryella* Fitch, 1855; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

**Monelliopsis** Richards, 1965


Described as genus.

Type species: *Callipterus caryae* Monell, 1879; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

**Monzenia** Takahashi, 1962


Described as genus.

Type species: *Nipponaphis globuli* Monzen, 1934; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.
**Mordvilkoella** Shaposhnikov, 1964


Described as genus.

Type species: *Hyalopterus skorkini* Mordvilko, 1929; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Rhopalosiphina.

**Mordvilkomemor** Shaposhnikov, 1950


Described as genus.

Type species: *Dentatus pilosus* Mordvilko, 1929; by original designation.

Objective status: Available & potentially valid.


Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Brachycaudus* van der Goot, 1913.

**Mordwilkoja** Del Guercio, 1909


Described as genus.

Type species: *Byrsocrypta vagabunda* Walsh, 1863; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.

**Mucrotrichaphis** Knowlton & Allen, 1940


Described as genus.

Type species: *Mucrotrichaphis toti* Knowlton & Allen, 1940; by original designation; junior synonym of *Macrosiphum zerothermum* Knowlton & Allen, 1938.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Obtusicauda* Soliman, 1927.

**Muscaphis** Börner, 1933


Described as genus.

Type species: *Muscaphis musci* Börner, 1933; by original designation.
Objective status: Available & potentially valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Mutillaphis** Zhang (L.) & Zhang (G.-x.), 2001

Described as genus.
Type species: *Mutillaphis prunisucta* Zhang (L.) & Zhang (G.-x.), 2001; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Tuberocephalus* Shinji, 1929.

**Myzakkaia** Basu (A.N.), 1969

Described as genus.
Type species: *Myzakkaia himalayensis* Basu (A.N.), 1969; by original designation; junior synonym of *Vesiculaphis verbasci* Chowdhuri, Basu (R.C.), Chakrabarti & Raychaudhuri (D.N.), 1969.
Objective status: Available & potentially valid.
Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Myzaphis** van der Goot, 1913

Described as genus.
Type species: *Aphis rosarum* Kaltenbach, 1843; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of *Francoa* Del Guercio, 1917.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Myzella** Börner, 1930

Described as genus.
Type species: *Aphis galeopsidis* Kaltenbach, 1843; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Cryptomyzus* Oestlund, 1923.

**Myzocallidium** Börner, 1949

Publication reference: Beiträge sur Taxonomischen Zoologie, 1: 49.
Described as genus.
Type species: *Myzocallidium riehmi* Börner, 1949; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Rhizoberlesia* del Guercio, 1915.

**Myzocallis** Passerini, 1860
Described as genus.
Type species: *Aphis coryli* Goeze, 1778; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of *Dryomyzus* Hille Ris Lambers, 1948.
Taxonomic position: Aphididae Calaphidinae Panaphidina Myzocallidina —

**Myzodes** Mordvilko, 1914
Described as genus.
Type species: *Myzodes tabaci* Mordvilko, 1914; by subsequent designation (Börner & Schilder, 1930: 139); Junior synonym of *Aphis persicae* Sulzer, 1776.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Nectarosiphon* Schouteden, 1901.

**Myzodium** Börner, 1950
Described as subgenus of *Myzodes* Mordvilko, 1914.
Type species: *Myzodes (Myzodium) rabeleri* Börner, 1950; by original designation; junior synonym of *Carolinaia modesta* Hottes, 1926.
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of *Evallocotaphis* Zhang (G.-x.), 1998.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Myzoides** van der Goot, 1913
Described as genus.
Type species: *Aphis cerasi* Fabricius, 1775; by original designation.
Objective status: Available but invalid — Junior objective synonym of *Myzus* Passerini, 1860.

*Myzopsis* Matsumura, 1918
Described as genus.
Type species: *Myzopsis diervillae* Matsumura, 1918; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Micromyzus* van der Goot, 1917.

*Myzopsis* Pašek, 1955
Publication reference: Práce Výzkumných Ústavu Lesnických Čekoslovensko Socialistiká Republika, 8: 127.
Described as genus.
Type species: *Myzopsis plantaginis* Pašek, 1955; by original designation.
Objective status: Available but invalid — Junior homonym of *Myzopsis* Matsumura, 1918.
Useful information about the objective status: Replaced by *Pomaphis* Börner, 1939.

*Myzosiphum* Tao, 1964
Described as genus.
Type species: *Myzosiphum ryukyuensis* Tao, 1964; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

*Myzotoxoptera* Theobald, 1927
Described as genus.
Type species: *Myzotoxoptera wimshurstae* Theobald, 1927; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

*Myzoxylon* Berthold, 1827
Described as genus.
Type species: *Myzoxylus mali* Blot, 1831; by subsequent designation (Nieto
Nafria et al., 2009: 121); junior synonym of *Aphis lanigera* Hausmann, 1802.  
Objective status: Available & potentially valid.  
Useful information about the objective status: Senior objective synonym of *Myzoxylus* Blot, 1831.  
Subjective status: Junior synonym of *Eriosoma* Leach, 1818.  

**Myzoxylus** Blot, 1831  
Described as genus.  
Type species: *Myzoxylus mali* Blot, 1831; by monotypy; junior synonym of *Aphis lanigera* Hausmann, 1802.  
Objective status: Available but invalid — Junior objective synonym of *Myzoxylon* Berthold, 1827.  

**Myzus** Passerini, 1860  
Publication reference: Gli Afidi con un prospetto dei generi e alcune specie nuove italiane: 27.  
Described as genus.  
Type species: *Aphis cerasi* Fabricius, 1775; by original designation.  
Objective status: Available & potentially valid.  
Useful information about the objective status: Senior objective synonym of *Myzoides* van der Goot, 1913.  

**Namafora** Zhang (G.-x.), 1997  
Described as genus.  
Type species: *Pemphigella marginata* Tao, 1947; by original designation; junior synonym of *Forda sichangensis* Remaudière & Tao, 1957.  
Objective status: Available & potentially valid.  
Subjective status: Junior synonym of *Forda* von Heyden, 1837.  

**Namniculovia** Umarov, 1964  
Described as genus.  
Type species: *Namniculovia dolychosiphon* Umarov, 1964; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Obtusicauda* Soliman, 1927.

**Nasonovia** Mordvilko, 1914
Described as genus.
Type species: *Aphis ribicola* Kaltenbach, 1843; by subsequent designation (Mordvilko, 1928: 193); Junior synonym of *Aphis ribisnigri* Mosley, 1841.
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of *Pilorrostris* Raychaudhuri (D.N.), Ghosh (L.K.) & Das (S.K.), 1980, and *Submacrosiphum* Hille Ris Lambers, 1931.

**Neanoecia** Börner, 1950
Described as genus.
Type species: *Neanoecia krizusi* Börner, 1950; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Anoecia* Koch, 1857.

**Neanuraphis** Nevsky, 1928
Described as genus.
Type species: *Neanuraphis tarani* Nevsky, 1928; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Macchiatella* Del Guercio, 1909.

**Neaphis** Nevsky, 1929
Described as genus.
Type species: *Neaphis viridis* Nevsky, 1929; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Coloradoa* Wilson, 1910.

**Nearctaphis** Shaposhnikov, 1950
Described as genus.
Type species: *Aphis bakeri* Cowen, 1895; by original designation.
Objective status: Available & potentially valid.
Useful information about the objective status: Replacement name for *Fitchiella* Shaposhnikov, 1950.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

*Nectarophora* Oestlund, 1887
Described as genus.
Type species: *Aphis rosae* Linnaeus, 1758; denoted by new replacement name (Article 67.8).
Objective status: Available but invalid — Junior objective synonym of *Macrosiphum* Passerini, 1860.
Useful information about the objective status: Replacement name (**nomen novum**) for *Siphonophora* Koch, 1855.

*Nectarosiphon* Schouteden, 1901
Described as genus.
Type species: *Aphis convolvuli* Kaltenbach, 1843; denoted by new replacement name (Article 67.8); junior synonym of *Aphis persicae* Sulzer, 1776.
Objective status: Available & potentially valid.
Useful information about the objective status: Replacement name (**nomen novum**) for *Macrosiphum* Del Guercio, 1900.
Subjective status: Valid — Senior synonym of *Myzodes* Mordvilko, 1914.

*Neoacaudus* Theobald, 1927
Publication reference: The Plant Lice or Aphididae of Great Britain, 2: 326.
Described as genus.
Type species: *Acaudus bipapillatus* Theobald, 1923; by original designation; junior synonym of *Aphis helichrysi* Kaltenbach, 1843.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Brachycaudus* van der Goot, 1913.

*Neoacyrthosiphon* Tao, 1963
Described as genus.
Type species: Acyrthosiphon taiheisanum Takahashi, 1935; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of Ericolophium Tao, 1963.

**Neoamphorophora** Mason, 1924

Described as genus.
Type species: Neoamphorophora kalmiae Mason, 1924; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of Testataphis Börner, 1952.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Neoantalus** Remaudière, 1985

Described as genus.
Type species: Antalus humulariae van Harten & Ilharco, 1971; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Pterastheniinae.

**Neobacillaphis** Huculak, 1968

Described as genus.
Type species: Neobacillaphis szelegiewiczi Huculak, 1968; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Saltusaphidinae Thripsaphidini — Subgenus of Thripsaphis Gillette, 1917

**Neobetulaphis** Basu (A.N.), 1964

Described as genus.
Type species: Neobetulaphis pusilla Basu (A.N.), 1964; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Calaphidinae Calaphidini Calaphidina.

**Neobrachycaudus** Narzikulov, 1965

Described as subgenus of *Brachycaudus* van der Goot, 1913.
Type species: *Aphis cardui* Linnaeus, 1758; by original designation.
Objective status: Available but invalid — Junior objective synonym of *Prunaphis* Shaposhnikov, 1964.

**Neocallipterus** van der Goot, 1915

Described as genus.
Type species: *Aphis betulicola* Kaltenbach, 1843; by original designation.
Objective status: Available but invalid — Junior objective synonym of *Kallistaphis* Kirkaldy, 1905.

**Neocallis** Matsumura, 1919

Described as genus.
Type species: *Neocallis carpinicola* Matsumura, 1919; by original designation; junior synonym of *Myzocallis sawashibae* Matsumura, 1917.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Mesocallis* Matsumura, 1919.

**Neocavariella** Shinji, 1932

Described as genus.
Type species: *Cavariella araliae* Takahashi, 1921; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Cavariella* Del Guercio, 1911.

**Neoceratovacuna** Ghosh (M.R.), Pal & Raychaudhuri (D.N.), 1977

Described as genus.
Type species: *Oregma panicola* Takahashi, 1921; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Pseudoregma* Doncaster, 1966.

**Neoceruraphis** Shaposhnikov, 1956

Described as genus.
Type species: *Aphis viburnicola* Gillette, 1909; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Ceruraphis* Börner, 1926.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Neochmosis** Laing, 1929

Described as genus.
Type species: *Lachniella gracilis* Wilson, 1919; denoted by new replacement name (Article 67.8).
Objective status: Available & potentially valid.
Useful information about the objective status: Replacement name (*nomen novum*) for *Panimerus* Laing, 1926.
Subjective status: Junior synonym of *Cinara* Curtis, 1835.

**Neochromaphis** Takahashi, 1921

Described as genus.
Type species: *Neochromaphis carpini* Takahashi, 1921; by original designation; junior synonym of *Chromaphis carpinicola* Takahashi, 1921.
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of *Foeniaphis* Zhang (G.-x.) & Qiao, 1998.
Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

**Neocorylobium** MacGillivray, 1968

Described as genus.
Type species: *Macrosiphum carpinicolens* Patch, 1919; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.

**Neocranaphis** Ghosh (A.K.) & Quednau, 1990

Described as genus.
Type species: *Shivaphis arundinariae* Takahashi, 1940; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

*Neodecorosiphon* Heinze, 1960
Described as genus.
Type species: *Neodecorosiphon muscicolens* Heinze, 1960; by original designation; junior synonym of *Aphis poae* Hardy, 1850.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Cryptaphis* Hille Ris Lambers, 1947.

*Neodryomyzus* Quednau & Remaudière, 1994
Publication reference: Canadian Entomologist, 126: 312.
Described as subgenus of *Myzocallis* Passerini, 1860.
Type species: *Myzocallis polychaetus* David, 1969; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.

*Neodysaphis* Hille Ris Lambers, 1965
Described as genus.
Type species: *Neodysaphis deutziae* Hille Ris Lambers, 1965; by original designation.
Useful information about the objective status: Replaced by *Nippodysaphis* Hille Ris Lambers, 1965 (nomen novum).

*Neodysaphis* Narzikulov, 1961
Described as subgenus of *Dysaphis* Börner, 1931.
Type species: *Dysaphis (Neodysaphis) pseudomolli* Narzikulov, 1961; by original designation.
Objective status: Available & potentially valid.
Useful information about the objective status: Senior homonym of *Neodysaphis* Hille Ris Lambers, 1965.
Subjective status: Junior synonym of *Dysaphis* Börner, 1931.
**Neogreenidea** Raychaudhuri (D.N.), Ghosh (M.R.), Banerjee (M.) & Ghosh (A.K.), 1973

Described as subgenus of *Greenidea* Schouteden, 1905.
Type species: *Greenidea (Neogreenidea) ayyari* Raychaudhuri (D.N.), Ghosh (M.R.), Banerjee (M.) & Ghosh (A.K.), 1973; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Greenidea* Schouteden, 1905.

**Neogreenideoidea** Raychaudhuri (D.N.), 1956

Described as subgenus of *Greenideoidea* van der Goot, 1917.
Type species: *Greenideoidea (Neogreenideoidea) philippensis* Raychaudhuri (D.N.), 1956; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.

**Neohayhurstia** Aizenberg, 1956

Described as genus.
Type species: *Hayhurstia tataricae* Aizenberg, 1935; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Hyadaphis* Kirkaldy, 1904.

**Neohormaphis** Noordam, 1991

Described as genus.
Type species: *Neoehromaphis calva* Noordam, 1991; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

**Neohyalomyzus** Basu (R.C.), Ghosh (M.R.) & Raychaudhuri (D.N.), 1976

Publication reference: Entomon, 1: 60.
Described as genus.
Type species: *Hyalomyzus raoi* Hille Ris Lambers, 1973; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Hyalomyzus* Richards, 1958.

**Neoimpatientinum** Agarwala, Mondal & Raychaudhuri (D.N.), 1982

Described as subgenus of *Impatientinum* Mordvilko, 1914.
Type species: *Impatientinum* (*Neoimpatientinum*) *smilaceti* Agarwala, Mondla & Raychaudhuri (D.N.), 1982; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.

**Neokakimia** Doncaster & Stroyan, 1952

Described as subgenus of *Kakimia* Hottes & Frison, 1931.
Type species: *Kakimia* (*Neokakimia*) *saxifragae* Doncaster & Stroyan, 1952; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Kakimia* Hottes & Frison, 1931.

**Neolachnaphis** Shinji, 1924

Described as genus.
Type species: *Neolachnaphis itadori* Shinji, 1924; by monotypy.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Macchiatiella* Del Guercio, 1909.

**Neolachnus** Mordvilko, 1929

Described as genus.
Type species: *Lachnus rosae* Cholodkovsky, 1899; by original designation; junior synonym of *Aphis submacula* Walker, 1848.

**Neolizerius** Blanchard (E.E.), 1939

Described as genus.
Type species: *Neolizerius tuberculatus* Blanchard (E.E.), 1939; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Lizerius* Blanchard (E.E.), 1923.
**Neomacrosiphum** Basu (R.C.), Ghosh (M.R.) & Raychaudhuri (D.N.), 1976

Described as genus.
Type species: *Sitobion pseudoluteum* Ghosh (A.K.), 1969; by original designation.
Objective status: Available but invalid — Junior homonym of *Neomacrosiphum* van der Goot, 1915.
Useful information about the objective status: Replaced by *Sitobion* Mordvilko, 1914.

**Neomacrosiphum** Raychaudhuri (D.N.), Ghosh (M.R.) & Basu (R.C.), 1980

Described as subgenus of *Macrosiphum* Passerini, 1860.
Type species: *Sitobion pseudoluteum* Ghosh (A.K.), 1969; by original designation.

**Neomacrosiphum** van der Goot, 1915

Described as genus.
Type species: *Aphis solani* Kaltenbach, 1843; by monotypy & actuation of Nieto Nafria *et al.* (2010: 67) under the Article 70.3.2 of the ICZN.
Objective status: Available but invalid — Junior objective synonym of *Aulacorthum* Mordvilko, 1914

**Neomasonaphis** Ghosh (A.K.) & Raychaudhuri (D.N.), 1972

Described as subgenus of *Masonaphis* Hille Ris Lambers, 1939.
Type species: *Masonaphis anaphalidis* Basu (A.N.), 1964; by original designation.
Objective status: Available & potentially valid.

**Neomegoura** Shinji, 1930

Described as genus.
Type species: There is none.
Objective status: Available & potentially valid.
Subjective status: Nomen dubium.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Neomegouropsis** Ghosh (M.R.), Basu (R.C.) & Raychaudhuri (D.N.), 1977

- Described as genus.
- Type species: *Megouroparsus dooarsis* Ghosh (A.K.) & Raychaudhuri (D.N.), 1969; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Junior synonym of *Megoura* Buckton, 1876.

**Neometopolophium** Raychaudhuri (D.N.), Ghosh (M.R.) & Basu (R.C.), 1978

- Described as subgenus of *Metopolophium* Mordvilko, 1914.
- Objective status: Available & potentially valid.
- Subjective status: Junior synonym of *Metopolophinum* Ghosh (L.K.), 1970.

**Neomyzaphis** Theobald, 1926

- Publication reference: The Plant Lice or Aphididae of Great Britain, 1: 262.
- Described as genus.
- Type species: *Aphis abietina* Walker, 1849; by original designation.
- Objective status: Available but invalid — Junior objective synonym of *Elatobium* Mordvilko, 1914.

**Neomyzocallis** Richards, 1965

- Described as subgenus of *Myzocallis* Passerini, 1860.
- Type species: *Callipterus punctata* Monell, 1879; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Valid.

**Neomyzodes** Aizenberg, 1966

- Described as genus.
- Type species: *Myzus ornatus* Laing, 1932; by original designation.
- Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Myzus* Passerini, 1860.

**Neomyzus** van der Goot, 1915

Described as genus.
Type species: *Siphonophora circumflexa* Buckton, 1876; by original designation.
Objective status: Available & potentially valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Neonasonovia** Hille Ris Lambers, 1949

Publication reference: Temminckia, 8: 277.
Described as subgenus of *Hyperomyzus* Börner, 1933.
Type species: *Rhopalosiphum picridis* Börner, 1916; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Hyperomyzus* Börner, 1933.

**Neonippolachnus** Shinji, 1924

Described as genus.
Type species: *Neonippolachnus betulae* Shinji, 1924; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Lachninae Lachnini.

**Neonipponaphis** Takahashi, 1962

Described as genus.
Type species: *Neonipponaphis shiiae* Takahashi, 1962; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

**Neoparacletus** Strom, 1942

Described as genus.

Type species: *Neoparacletus caricis* Strom, 1942; by original designation; junior synonym of *Pemphigus corrugatans* Sirrine, 1894.

Objective status: Available & potentially valid.

Subjective status: Valid.


**Neoparatrichosiphum** Ghosh (A.K.) & Raychaudhuri (D.N.), 1962


Described as subgenus of *Paratrichosiphum* Takahashi, 1931.

Type species: *Paratrichosiphum (Neoparatrichosiphum) khasyanum* Ghosh (A.K.) & Raychaudhuri (D.N.), 1962; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Eutrichosiphum* Essig & Kuwana, 1918.

**Neopemphigus** Mamontova & Kolomoets, 1981


Described as genus.

Type species: *Neopemphigus turajevi* Mamontova & Kolomoets, 1981; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.

**Neophorodon** Takahashi, 1922


Described as genus.

Type species: *Neophorodon rubi* Takahashi, 1922; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Matsumuraja* Schumacher, 1921.

**Neophyllaphis** Takahashi, 1920


Described as genus.

Type species: *Neophyllaphis podocarpi* Takahashi, 1920; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Neophyllaphidinae — With subgenera *Neophyllaphis* and *Chileaphis* Essig, 1953.
Neoprociphilus Patch, 1912
Described as genus.
Type species: *Pemphigus attenuatus* Osborne & Sirrine, 1892; by original designation; junior synonym of *Pemphigus aceris* Monell, 1882.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Eriosomatinae Pemphigini.

Neopterocomma Hille Ris Lambers, 1935
Described as genus.
Type species: *Neopterocomma asiphum* Hille Ris Lambers, 1935; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Pterocommatinae.

Neorhizobius Del Guercio, 1917
Described as genus.
Type species: *Neorhizobius stramineus* Del Guercio, 1917; by subsequent designation (Börner & Schilder, 1930: 189); Junior synonym of *Tetraneura lentisci* Passerini, 1856.
Objective status: Available but invalid — Junior homonym of *Neorhizobius* Crotch, 1874 (Coleoptera).
Useful information about the objective status: Replaced by *Aploneura* Passerini, 1863.

Neorhopalomyzus Tao, 1963
Described as genus.
Type species: *Amphorophora lonicericola* Takahashi, 1921; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

Neorhopalosiphoninus Ghosh (A.K.) & Raychaudhuri (D.N.), 1968
Publication reference: Proceedings of the Zoological Society [Calcutta], 21:
187.
Described as genus.
Type species: *Neorhopalosiphoninus smilacifoliae* Ghosh (A.K.) & Raychaudhuri (D.N.), 1968; by original designation.
Objective status: Available & potentially valid.
Useful information about the objective status: Valid name for *Myzosiphon* Hille Ris Lambers, 1945, an unavailable name.
Subjective status: Valid.

**Neosaltusaphis** Hille Ris Lambers, 1961
Described as genus.
Type species: *Neosaltusaphis bodenheimeri* Hille Ris Lambers, 1961; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Saltusaphidinae Thripsaphidini.

**Neosappaphis** Hille Ris Lambers, 1959
Described as genus.
Type species: *Neosappaphis franzi* Hille Ris Lambers, 1959; by original designation.
Objective status: Available & potentially valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Neoschoutedenia** Schumacher, 1923
Described as genus.
Type species: *Geoica cyperi* Schouteden, 1902; denoted by new replacement name (Article 67.8).
Objective status: Available & potentially valid.
Useful information about the objective status: Replacement name (*nomen novum*) for *Schoutedenia* Mordvilko, 1921. Senior objective synonym of *Schoutedenenum* Mordvilko, 1928.
Subjective status: Junior synonym of Geoica Hart, 1894.

**Neosensoriaphis** Quednau, 1990

Described as genus.
Type species: *Neosensoriaphis parva* Quednau, 1990; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Spicaphidinae.

**Neostomaphis** Takahashi, 1960

Described as subgenus of *Stomaphis* Walker, 1870.
Type species: *Stomaphis (Neostomaphis) fagi* Takahashi, 1960; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Stomaphis* Walker, 1870.

**Neosymydobius** Baker (A.C.), 1920

Described as genus.
Type species: *Symydobius albasiphus* Davis, 1914; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina.

**Neothelaxes** Chakrabarti & Quednau, 1996

Described as genus.
Type species: *Neothelaxes viticola* Chakrabarti & Quednau, 1996; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Thelaxinae.

**Neotherioaphis** Behura & Dash, 1975

Described as genus.
Type species: *Neotherioaphis chhenafuli* Behura & Dash, 1975; by original
designations; junior synonym of *Myzocallis kahawaluokalani* Takahashi, 1921

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Sarucallis* Kirkaldy, 1907.

**Neothomasia** Baker (A.C.), 1920


Described as genus.

Type species: *Chaitophorus populicola* Thomas, 1878; denoted by new replacement name (Article 67.8).

Objective status: Available but invalid — Junior objective synonym of *Thomasiniellula* Strand, 1917.

Useful information about the objective status: Replacement name (*nomen novum*) for *Thomasia* Wilson, 1910.

**Neothoracaphis** Takahashi, 1959


Described as genus.

Type species: *Nipponaphis yanonis* Matsumura, 1917; by original designation.

Objective status: Available & potentially valid.


Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

**Neotoxoptera** Theobald, 1915


Described as genus.

Type species: *Neotoxoptera violae* Theobald, 1915; by monotypy; junior synonym of *Micromyzus oliveri* Essig, 1935.

Objective status: Available & potentially valid.


Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Neotrama** Baker (A.C.), 1920


Described as genus.

Type species: *Neotrama delguercioi* Baker (A.C.), 1920; by original designation; junior synonym of *Trama caudata* Del Guercio, 1909.

Objective status: Available & potentially valid.
Useful information about the objective status: Replacement name for *Longitarsus* Shinji, 1930.
Subjective status: Valid — Senior synonym of *Longitarsus* Shinji, 1930, and *Tactilotrama* Börner, 1952.

Taxonomic position: Aphididae Lachninae Tramini — Subgenus of *Trama* von Heyden, 1837.

**Neotrichosiphon** Raychaudhuri (D.N.), 1956
Described as subgenus of *Metatrichosiphon* Raychaudhuri (D.N.), 1956.
Type species: *Trichosiphum tenuicorpus* Okajima, 1908; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Mollitrichosiphum* Suenaga, 1934.

**Neotrichosiphum** Raychaudhuri (D.N.), Ghosh (M.R.), Banerjee (M.) & Ghosh (A.K.), 1973
Publication reference: Kontyû, 41: 59.
Described as subgenus of *Eutrichosiphum* Essig & Kuwana, 1918.
Type species: *Eutrichosiphum (Neotrichosiphum) subinoyi* Raychaudhuri (D.N.), Ghosh (M.R.), Banerjee (M.) & Ghosh (A.K.), 1973; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Eutrichosiphum* Essig & Kuwana, 1918.

**Neotuberaphis** Pal & Raychaudhuri (D.N.), 1980
Described as genus.
Type species: *Neotuberaphis bengalensis* Pal & Raychaudhuri (D.N.), 1980; by original designation; junior synonym of *Oregma loranthi* van der Goot, 1917.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Tuberaphis* Takahashi, 1933.

**Netubusaphis** Zhang (G.-x.), Chen, Zhong & Li, 1999
Described as genus.
Type species: *Netubusaphis netuba* Zhang (G.-x.), Chen, Zhong & Li, 1999; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Longicaudus* van der Goot, 1913.
**Neuquenaphis** Blanchard (E.E.), 1939


Described as genus.

Type species: *Myzocallis edwardsi* Laing, 1927; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Spicaphidinae — With subgenera *Neuquenaphis* and *Spicaphis* Essig, 1953.

**Nevadaphis** Drews, 1941

Publication reference: Pan-Pacific Entomologist, 17: 60.

Described as genus.

Type species: *Nevadaphis sampsoni* Drews, 1941; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

**Nevaphis** Heie, 2006


Described as genus.

Type species: *Nevaphis nevadensis* Heie, 2006; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Phyllaphidinae.

**Nevskya** Ossiannilsson, 1953


Described as genus.

Type species: *Nevskya fungifera* Ossiannilsson, 1953; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Nevskyella* Ossiannilsson, 1954.

Subjective status: Valid.

Taxonomic position: Aphididae Saltusaphidinae Saltusaphidini.

**Nevskyaphis** Shaposhnikov, 1950


Described as genus.

Type species: *Dentatus bicolor* Nevsky, 1929; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of Brachycaudus van der Goot, 1913.

**Nevskyella** Ossiannilsson, 1954


Described as genus.

Type species: *Nevskya fungifera* Ossiannilsson, 1953; Denoted by new replacement name (Article 67.8).

Objective status: Available but invalid — Junior objective synonym of *Nevskya* Ossiannilsson, 1953.

Useful information about the objective status: Replacement name *(nomen novum)* [not necessary] for *Nevskya* Ossiannilsson, 1953.

**Nietonafriella** Ortego, 1998


Described as genus.

Type species: *Nietonafriella euclypeata* Ortego, 1998; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Nigrosiphum** Heie, 2002


Described as genus.

Type species: *Nigrosiphum scholzae* Heie, 2002; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae.

**Nippocallis** Matsumura, 1917

Publication reference: Journal of the College of Agriculture, Tohoku Imperial University, 7: 365.

Described as genus.

Type species: *Nippocallis kuricola* Matsumura, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Castanocallis* Zhang (G.-x.) & Zhong, 1981

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina — Subgenus of *Tuberculatus* Mordvilko, 1894.

**Nippochaitophorus** Takahashi, 1961

Described as genus.

Type species: *Nippochaitophorus moriokaensis* Takahashi, 1961; by original designation; junior synonym of *Myzocallis sawashibae* Matsumura, 1917.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Mesocallis* Matsumura, 1919.

**Nippodysaphis** Hille Ris Lambers, 1965


Described as genus.

Type species: *Neodysaphis deutziae* Hille Ris Lambers, 1965; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Neodysaphis* Hille Ris Lambers, 1965.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Nippolachnus** Matsumura, 1917

Publication reference: *Journal of the College of Agriculture, Tohoku Imperial University*, 7: 382.

Described as genus.

Type species: *Nippolachnus piri* Matsumura, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lachninae Lachnini.

**Nipponaphis** Pergande, 1906


Described as genus.

Type species: *Nipponaphis distychii* Pergande, 1906; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

**Nipposiphum** Matsumura, 1917


Described as genus.

Type species: *Nipposiphum salicicola* Matsumura, 1917; by original designation.

Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Cavariella* Del Guercio, 1911.

**Nippotuberculatus** Quednau, 1999


Described as subgenus of *Tuberculatus* Mordvilko, 1894.

Type species: *Myzocallis pilosus* Takahashi, 1929; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: *Aphididae* Calaphidinae Panaphidini Myzocallidina — Subgenus of *Tuberculatus* Mordvilko, 1894.

**Nishiyana** Matsumura, 1917


Described as genus.

Type species: *Nishiyana aomoriensis* Matsumura, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Prociphilus* Koch, 1857.

**Nordaphis** Kononova, 1977


Described as genus.

Type species: *Nordaphis sukatcheva* Kononova, 1977; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: *Aphididae* Mindarinae.

**Nudisiphon** Chakrabarti & Bhattacharya, 1982


Described as genus.

Type species: *Nudisiphon chitinicauda* Chakrabarti & Bhattacharya, 1982; by original designation; junior synonym of *Xenosiphonaphis folisacculata* Kumar & Burkhardt, 1971.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: *Aphididae* Aphidinae Macrosiphini.

**Nurudea** Matsumura, 1917


Described as genus.
Type species: *Nurudea ibofushi* Matsumura, 1917; by original designation.
Objective status: Available & potentially valid.
Taxonomic position: Aphididae Eriosomatinae Fordini.

*Nurudeopsis* Matsumura, 1917

Described as genus.
Type species: *Nurudeopsis shiraii* Matsumura, 1917; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Nurudea* Matsumura, 1917.

*Nuuraphis* Wegierrek, 1991

Described as genus.
Type species: *Nuuraphis gemma* Wegierrek, 1991; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Canadaphididae.

*Nymphaphis* Takahashi, 1960

Described as genus.
Type species: *Nymphaphis quercus* Takahashi, 1960; by original designation.
Objective status: Available & potentially valid.

*Obtusicauda* Soliman, 1927

Described as genus.
Type species: *Obtusicauda essigi* Soliman, 1927; by original designation; junior synonym of *Nectarophora coweni* Hunter, 1901.
Objective status: Available & potentially valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.
Oedisiphum van der Goot, 1917
Described as genus.
Type species: Oedisiphum compositarum van der Goot, 1917; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

Oestlundia Hille Ris Lambers, 1949
Publication reference: Temminckia, 8: 225.
Described as genus.
Type species: Macrosiphum rubicola Oestlund, 1886; denoted by new replacement name (Article 67.8).
Objective status: Available & potentially valid.
Useful information about the objective status: Replacement name (nomen novum) for Macrosiphum Oestlund, 1886.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of Illinoia Wilson, 1910.

Oestlundiiella Granovsky, 1930
Described as genus.
Type species: Euceraphis flavus Davidson, 1912; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Calaphidinae Calaphidini Calaphidina.

Okajimaia Suenaga, 1933
Publication reference: Kontyû, 7: 249.
Described as genus.
Type species: Okajimaia japonica Suenaga, 1933; by original designation; junior synonym of Glyphinaphis bambusae van der Goot, 1917.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of Glyphinaphis van der Goot, 1917.

Oligocallis Heie, 1967
Publication reference: Spolia Zoologica Musei Hauniensis, 26: 133.
Described as genus.
Type species: *Oligocallis larssoni* Heie, 1967; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Pterastheniinae.

**Omeimegoura** Tao, 1963

Described as genus.
Type species: *Omeimegoura nigrotibiae* Tao, 1963; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Indomegoura* Hille Ris Lambers, 1958.

**Oniscomyzus** Börner, 1942

Described as genus.
Type species: *Oniscomyzus bramstedti* Börner, 1942; by original designation; junior synonym of *Ctenocallis dobrovljanskyi* Klodnitsky, 1924.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Ctenocallis* Klodnitsky, 1924.

**Oothecabius** Zhang (G.-x.), Zhong & Qiao, 1995

Described as subgenus of *Thecabius* Koch, 1857.
Type species: *Thecabius (Oothecabius) nanjingensis* Zhang (G.-x.), 1995; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.

**Orbitaphis** Hong, 2002

Described as genus.
Type species: *Orbitaphis minor* Hong, 2002; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Phloeomyzinae.

**Oregma** Buckton, 1893

Described as genus.
Type species: *Oregma bambusae* Buckton, 1893; by monotypy.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Astegopteryx* Karsch, 1890.

**Orientinocallis** Quednau, 2003
Described as genus.
Type species: *Tinocallis distinctus* Ghosh (M.R.), Ghosh (A.K.) & Raychaudhuri (D.N.), 1971; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.

**Orientuberculoides** Hille Ris Lambers, 1974
Described as subgenus of *Tuberculatus* Mordvilko, 1894.
Type species: *Myzocallis yokoyamai* Takahashi, 1923; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina — Subgenus of *Tuberculatus* Mordvilko, 1894.

**Orobian** Mordvilko, 1914
Described as genus.
Type species: There is none.
Objective status: Available & potentially valid.
Subjective status: Nomen dubium.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Oryctaphis** Scudder, 1890
Described as genus.
Type species: *Orychtaphis lesueurii* Scudder, 1890; by subsequent designation (Heie, 1967: 205); Junior synonym of *Archilachnus pennatus* Buckton, 1883.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Siphonophoroides* Buckton, 1883.
**Ossiannilssonia** Hille Ris Lambers, 1952


Described as genus.

Type species: *Ossiannilssonia oelandica* Hille Ris Lambers, 1952; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Ovatooides** Börner, 1939


Described as genus.

Type species: *Aphis inulae* Walker, 1849; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Ovatus* van der Goot, 1913.

**Ovatomyzus** Hille Ris Lambers, 1947


Described as genus.

Type species: *Ovatomyzus stachyos* Hille Ris Lambers, 1947; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Ovatophorodon** Aizenberg, 1966


Described as genus.

Type species: *Ovatophorodon menthae* Aizenberg, 1966; by original designation; junior synonym of *Phorodon mentharius* van der Goot, 1913.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Ovatus* van der Goot, 1913.

**Ovatus** van der Goot, 1913


Described as genus.

Type species: *Ovatus mespili* van der Goot, 1913; by original designation; junior synonym of *Aphis insita* Walker, 1849.
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of *Ovatophorodon* Aizenberg, 1966.
Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Ovatus*, and *Ovatoides* Börner, 1939.

**Oviparosiphum** Shaposhnikov, 1979
Publication reference: Paleontologicheskiy Zhurnal, 4: 75.
Described as genus.
Type species: *Oviparosiphum jakovlevi* Shaposhnikov, 1979; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Oviparosiphidae.

**Pachypappa** Koch, 1856
Described as genus.
Type species: *Pachypappa marsupialis* Koch, 1856; by subsequent designation (Wilson, 1910: 152).
Objective status: Available & potentially valid.
Taxonomic position: Aphididae Eriosomatinae Pemphigini.

**Pachypappella** Baker (A.C.), 1920
Described as genus.
Type species: *Pachypappa lactea* Tullgren, 1909; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Eriosomatinae Pemphigini.

**Pacificallis** Richards, 1965
Described as subgenus of *Tuberculatus* Mordvilko, 1894.
Type species: *Tuberculatus (Pacificallis) columbiae* Richards, 1965; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina —
Subgenus of Tuberculatus Mordvilko, 1894.

**Paczoskia** Mordvilko, 1914

Described as genus.
Type species: *Paczoskia paczoskii* Mordvilko, 1919; by subsequent designation (Mordvilko, 1919: 331).
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Paducia** Hottes & Frison, 1931

Described as genus.
Type species: *Melanoxantherium antennatum* Patch, 1913; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Pterocommatinae.

**Palaeoforda** Kononova, 1977

Described as genus.
Type species: *Palaeoforda tajmyrensis* Kononova, 1977; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Eriosomatinae.

**Palaeogreenidea** Heie, 2006

Described as genus.
Type species: *Palaeogreenidea rittae* Heie, 2006; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Greenideinae.
**Palaeophyllaphis** Heie, 1967
   - Publication reference: Spolia Zoologica Musei Hauniensis, 26: 97.
   - Described as genus.
   - Type species: *Palaeophyllaphis longirostris* Heie, 1967; by original designation.
   - Objective status: Available & potentially valid.
   - Subjective status: Valid.
   - Taxonomic position: Aphididae Phyllaphidinae.

**Palaeosiphon** Heie, 1967
   - Described as genus.
   - Type species: *Aphis hirsuta* Germar & Berendt, 1856; by original designation.
   - Objective status: Available & potentially valid.
   - Subjective status: Valid.
   - Taxonomic position: Aphididae Palaeosiphoninae.

**Palaeothelaxes** Heie, 1967
   - Publication reference: Spolia Zoologica Musei Hauniensis, 26: 42.
   - Described as genus.
   - Type species: *Palaeothelaxes setosa* Heie, 1967; by original designation.
   - Objective status: Available & potentially valid.
   - Subjective status: Valid.
   - Taxonomic position: Aphididae Thelaxinae.

**Panaphis** Kirkaldy, 1904
   - Described as genus.
   - Type species: *Aphis juglandis* Goeze, 1778; denoted by new replacement name (Article 67.8).
   - Objective status: Available & potentially valid.
   - Usefulness information about the objective status: Name placed on Official List of Generic Names in Zoology [Opinion 1358; name number 2293]. Replacement name (*nomen novum*) for *Ptychodes* Buckton, 1881; replacement name for *Callipterus* Koch, 1855. Senior objective synonym of *Callipterinola* Strand, 1928.
   - Subjective status: Valid.
   - Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidia.

**Panimerus** Laing, 1926
Described as genus.

Type species: *Lachniella gracilis* Wilson, 1919; denoted by new replacement name (Article 67.8).

Objective status: Available but invalid — Junior homonym of *Panimerus* Eaton, 1913 (Diptera).

Useful information about the objective status: Replacement name (*nomen novum*) for *Dilachnus* Baker (A.C.), 1919. Replaced by *Neochmosis* Laing, 1929 (*nomen novum*).

**Paoliella** Theobald, 1928


Described as genus.

Type species: *Paoliella hystrix* Theobald, 1928; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Unipterus* Hall, 1932.


**Papillaphis** Börner, 1952


Described as genus.

Type species: *Doralina taraxacicola* Börner, 1940; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Tuberculaphis* Börner, 1952.

Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

**Papillomyzus** Szelegiewicz, 1963


Described as subgenus of *Macrosiphoniella* Del Guercio, 1911.

Type species: *Macrosiphoniella (Papillomyzus) riedeli* Szelegiewicz, 1963; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Macrosiphoniella* Del Guercio, 1911.

**Papulaphis** Robinson, 1966

Described as genus. 
Type species: *Macrosiphum sleesmani* Pepper, 1950; by original designation. 
Objective status: Available & potentially valid. 
Subjective status: Valid. 
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Parabrachyunguis** Remaudière & Davatchi, 1955 
Described as subgenus of *Brachyunguis* Das (B.), 1918. 
Type species: *Brachyunguis (Parabrachyunguis) kaussarii* Remaudière & Davatchi, 1955; by original designation. 
Objective status: Available & potentially valid. 
Subjective status: Junior synonym of *Brachyunguis* Das (B.), 1918.

**Paracallipterus** Raychaudhuri (D.N.) & Ghosh (A.K.), 1964 
Described as genus. 
Type species: *Paracallipterus kalipadi* Raychaudhuri (D.N.) & Ghosh (A.K.), 1964; by original designation. 
Objective status: Available & potentially valid. 
Subjective status: Junior synonym of *Taiwanaphis* Takahashi, 1934.

**Paracerataphis** Mordvilko, 1929 
Publication reference: Trudy Otdela Prikladnoy Entomologii Gosudarstvennogo Instituta Opytnoy Agronomii, 14: 34. 
Described as genus. 
Type species: *Paracerataphis tremulae* Mordvilko, 1929; by original designation; junior synonym of *Sphaerococcus populi* Maskell, 1898. 
Objective status: Available & potentially valid. 
Subjective status: Junior synonym of *Doraphis* Matsumura & Hori, 1929.

**Parachaitophorus** Takahashi, 1937 
Publication reference: Konowia, 16: 90. 
Described as genus. 
Type species: *Patchia spiraeae* Takahashi, 1924; by original designation. 
Objective status: Available & potentially valid. 
Subjective status: Valid. 
Taxonomic position: Aphididae Parachaitophorinae.

**Paracletus** von Heyden, 1837 
Publication reference: Museum Senckenbergianum Abhandlungen aus dem
Described as genus.
Type species: *Paracletus cimiciformis* von Heyden, 1837; by monotypy.
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of *Hemitrama* Mordvilko, 1921, and of *Fordona* Mordvilko, 1935.
Taxonomic position: Aphididae Eriosomatinae Fordini.

**Paracoloapha** Hille Ris Lambers, 1966

Described as genus.
Type species: *Dryopeia morrisoni* Baker (A.C.), 1919; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Eriosomatinae Eriosomatini.

**Paradoxaphis** Sunde, 1988

Described as genus.
Type species: *Paradoxaphis aristoteliae* Sunde, 1988; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

**Paragreenidea** Raychaudhuri (D.N.), 1956

Described as subgenus of *Greenidea* Schouteden, 1905.
Type species: *Greenidea viticola* Takahashi, 1929; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Greenideinae Greenideini — Subgenus of *Greenidea* Schouteden, 1905.

**Paragreenideoida** Raychaudhuri (D.N.) & Chatterjee, 1980

Described as subgenus of *Greenideoida* van der Goot, 1917.
Type species: *Greenideoida ceyloniae* van der Goot, 1917; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Greenideoida* van der Goot, 1917.
Paralizerius Quednau, 1974
Described as subgenus of Lizerius Blanchard (E.E.), 1923.
Type species: Lizerius (Paralizerius) cermelii Quednau, 1974; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.

Paramyzocallis Quednau & Remaudière, 1994
Described as subgenus of Myzocallis Passerini, 1860.
Type species: Myzocallis tenochca Quednau & Remaudière, 1999; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.

Paramyzus Börner, 1933
Described as genus.
Type species: Paramyzus heraclei Börner, 1933; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

Paraneomyzus Basu (R.C.), Ghosh (M.R.) & Raychaudhuri (D.N.), 1976
Described as subgenus of Neomyzus van der Goot, 1915.
Type species: Aulacorthum (Neomyzus) dicentrae Basu (A.N.), 1967; by original designation.
Objective status: Available & potentially valid.
Useful information about the objective status: Senior homonym of Paraneomyzus Raychaudhuri (D.N.), Ghosh (M.R.) & Basu (R.C.), 1980.
Subjective status: Junior synonym of Neomyzus van der Goot, 1915.

Paraneomyzus Raychaudhuri (D.N.), Ghosh (M.R.) & Basu (R.C.), 1980
Publication reference: Raychaudhuri [Ed.], Aphids of North-East India and Bhutan: 228.
Described as subgenus of Neomyzus van der Goot, 1915.
Type species: *Aulacorthum dicentrae* Basu (A.N.), 1967; by original designation.

**Paranipponaphis** Takahashi, 1959

Described as genus.
Type species: *Paranipponaphis takaoensis* Takahashi, 1959; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

**Paranoecia** Zwölfer, 1957

Described as genus.
Type species: *Anoecia pskovica* Mordvilko, 1916; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.

**Paraoregma** Ghosh (M.R.), Pal & Raychaudhuri (D.N.), 1977

Described as genus.
Type species: *Oregma alexanderi* Takahashi, 1924; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Pseudoregma* Doncaster, 1966.

**Paraphorodon** Tseng & Tao, 1938

Publication reference: Journal of Western China Border Research Society, 10: 205.
Described as genus.
Type species: *Paraphorodon omeishanensis* Tseng & Tao, 1938; by original designation; junior synonym of *Phorodon cannabis* Passerini, 1860.
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of *Diphorodon* Börner, 1939.
Taxonomic position: Aphididae Aphidinae Macrosiphini.
**Paraproctophilus** Mordvilko, 1923  
Publication reference: Doklady Rossiyskoy Akademii Sel’skokhozyaystvennykh Nauk, 1923: 44.  
Described as genus.  
Type species: *Pemphigus baicalensis* Cholodkovsky, 1921; by subsequent designation (Mordvilko, 1929: 38).  
Objective status: Available & potentially valid.  
Subjective status: Valid.  

**Paraschizaphis** Hille Ris Lambers, 1947  
Described as subgenus of *Schizaphis* Börner, 1931.  
Type species: *Toxoptera typhae* Laing, 1923; by original designation; junior synonym of *Toxoptera scirpi* Passerini, 1874.  
Objective status: Available & potentially valid.  
Subjective status: Valid.  
Taxonomic position: Aphididae Aphidinae Aphidini Rhopalosiphina — Subgenus of *Schizaphis* Börner, 1931.

**Parastomaphis** Pašek, 1953  
Described as subgenus of *Stomaphis* Walker, 1870.  
Type species: *Stomaphis graffii* Cholodkovsky, 1894; by original designation.  
Objective status: Available & potentially valid.  
Subjective status: Junior synonym of *Stomaphis* Walker, 1870.

**Parathecabius** Börner, 1950  
Described as genus.  
Type species: *Thecabius lysimachiae* Börner, 1916; by original designation.  
Objective status: Available & potentially valid.  
Subjective status: Valid.  

**Parathoracaphis** Takahashi, 1958  
Described as genus.  
Type species: *Thoracaphis setigera* Takahashi, 1932; by original designation.
Objective status: Available & potentially valid.
Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

**Parathoracaphisella** Pramanick, Samanta & Raychaudhuri (D.), 1983

Described as genus.
Type species: *Parathoracaphisella indica* Pramanik, Samanta & Raychaudhuri (D.), 1983; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

**Paratinocallis** Higuchi, 1972

Described as genus.
Type species: *Paratinocallis corylicola* Higuchi, 1972; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.

**Paratoxoptera** Blanchard (E.E.), 1944

Described as genus.
Type species: *Aphis argentiniensis* Blanchard (E.E.), 1941; by original designation; junior synonym of *Myzus citricidus* Kirkaldy, 1907.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Toxoptera* Koch, 1856.

**Paratrichosiphum** Takahashi, 1931

Described as genus.
Type species: *Greenidea tattakana* Takahashi, 1925; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Eutrichosiphum* Essig & Kuwana, 1918.

**Paroviparosiphum** Zhang (J.-f.), Zhang (S.), Hou & Ma, 1989

Described as genus.
Type species: *Paroviparosiphum opimum* Zhang (J.-f.), Zhang (S.), Hou & Ma, 1989; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Oviparosiphidae.

*Paraverrucosa* Poinar & Brown, 2006


Described as genus.

Type species: *Verrucosa annulata* Poinar & Brown, 2005; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Verrucosa* Poinar & Brown, 2005.

Subjective status: Valid.

Taxonomic position: Paraverrucosidae.

*Pasekia* Aizenberg, 1959


Described as subgenus of *Myzocallis* Passerini, 1860.

Type species: *Hoplocallis komareki* Pašek, 1953; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.


*Passerinia* Macchiati, 1880


Described as genus.

Type species: *Passerinia rosae* Macchiati, 1880; by monotypy; junior synonym of *Aphis rosae* Linnaeus, 1758.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Macrosiphum* Passerini, 1860.

*Patchia* Baker (A.C.), 1920

Publication reference: Bulletin of the United States Department of Agriculture, 826: 34.

Described as genus.

Type species: *Patchia virginiana* Baker (A.C.), 1920; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.
Patchiella Tullgren, 1925
Described as genus.
Type species: Schizoneura reaumuri Kaltenbach, 1843; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina.

Paulianaphis Essig, 1957
Described as genus.
Type species: Paulianaphis madagascariensis Essig, 1957; by monotypy.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Eriosomatinae Pemphigini.

Pehuenchaphis Mier Durante, Nieto Nafria & Ortego, 2003
Described as genus.
Type species: Pehuenchaphis agilissima Mier Durante, Nieto Nafria & Ortego, 2003; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

Peltaphis Frison & Ross, 1933
Described as subgenus of Thripsaphis Gillette, 1917.
Type species: Thripsaphis (Peltaphis) hottesi Frison & Ross, 1933; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Saltusaphidinae Thripsaphidini.

Pemphigella Tullgren, 1909
Described as genus.
Type species: Pemphigus cornicularius Passerini, 1856; by original designation; junior synonym of Aphis pistaciae Linnaeus, 1767.
Registros de los taxones del nivel familia y del nivel género de Aphidoidea

Objetivo status: Available & potentially valid.

Subjective status: Junior synonym of Baizongia Rondani, 1848.

*Pemphigetum* Mordvilko, 1928


Described as genus.

Type species: *Pemphigetum muticae* Mordvilko, 1928; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Baizongia* Rondani, 1848.

*Pemphiginus* Börner, 1930


Described as subgenus of *Pemphigus* Hartig, 1839.

Type species: *Pemphigus populi* Courchet, 1879; by original designation.

Objective status: Available & potentially valid.

Subjective status: Subgenus of *Pemphigus* Hartig, 1839.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.

*Pemphiglachnus* Knowlton, 1928


Described as genus.

Type species: *Pemphiglachnus kaibabensis* Knowlton, 1928; by original designation; junior synonym of *Asiphum sacculi* Gillette, 1914.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Pachypappa* Koch, 1856.

*Pemphigus* Hartig, 1839


Described as genus.

Type species: *Aphis bursaria* Linnaeus, 1758; by subsequent designation (Fitch, 1855: 7, footnote).

Objective status: Available & potentially valid.


Taxonomic position: Aphididae Eriosomatinae Pemphigini — With subgenera *Pemphigus* and *Pemphiginus* Börner, 1930.

**Penaphis** Lin, 1980

Publication reference: Mesozoic Insect Fossils from Zhejiang and Anhui Province: 223.

Described as genus.

Type species: *Penaphis circa* Lin, 1980; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Oviparosiphidae.

**Pentaceratinaphis** Ivanovskaja-Shubina, 1965


Described as genus.

Type species: *Pentaceratinaphis samagaltaica* Ivanovskaja-Shubina, 1965; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Vesiculaphis* Del Guercio, 1911.

**Pentalonia** Cockerell, 1859


Described as genus.

Type species: *Pentalonia nigronervosa* Cockerell, 1859; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Pentamyzus** Hille Ris Lambers, 1966


Described as genus.

Type species: *Pentamyzus graminis* Hille Ris Lambers, 1966; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Pentaphis** Horváth, 1896

Described as genus.
Type species: *Forda marginata* Koch, 1857; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Forda* von Heyden, 1837.

**Pentatrichopus** Börner, 1930

Described as genus.
Type species: *Aphis tetrarhoda* Walker, 1849; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Chaetosiphon* Mordvilko, 1914.

**Pentatrichosiphum** Basu (A.N.), 1969

Described as genus.
Type species: *Pentatrichosiphum luteum* Basu (A.N.), 1969; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.

**Pergandeida** Schouteden, 1903

Described as genus.
Type species: *Pergandeida ononidis* Schouteden, 1903; by original designation; junior synonym of *Aphis kaltenbachi* Hille Ris Lambers, 1955.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

**Perillaphis** Takahashi, 1965

Described as subgenus of *Aulacorthum* Mordvilko, 1914.
Type species: *Macrosiphum perillae* Shinji, 1924; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Aulacorthum* Mordvilko, 1914.
Periphyllus van der Hoeven, 1863

Publication reference: Tijdschrift voor Entomologie, 6: 5.

Described as genus.

Type species: Periphyllus testudo van der Hoeven, 1863; by original designation; junior synonym of Phyllophora testudinacea Fernie, 1852.

Objective status: Available & potentially valid.

Useful information about the objective status: Nomen protectum (Nieto Nafría & Pérez Hidalgo, 2003: 211) over Phillophorus Thornton, 1853. Replacement name for Chelymorpha Glacier, 1853, and for Phyllophora Fernie, 1852.

Subjective status: Valid — Senior synonym of Chaetophoria Börner, 1940, Chaitophorinella van der Goot, 1913, and Chaitophorinus Börner, 1930. Junior synonym of Chelymorpha Glacier, 1858 (an invalid name), and Phyllophora Fernie, 1852 (an invalid name).

Taxonomic position: Aphididae Chaitophorinae Chaitophorini.

Petiolaphioides Hong & Wang, 1990


Described as genus.

Type species: Petiolaphioides shandongensis Hong & Wang, 1990; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae.

Petiolaphis Hong & Wang, 1990


Described as genus.

Type species: Petiolaphis laiyangensis Hong & Wang, 1990; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae.

Phalangomyzus Börner, 1939


Described as subgenus of Macrosiphoniella Del Guercio, 1911.

Type species: Siphonophora oblonga Mordvilo, 1901; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of
Macrosiphoniella Del Guercio, 1911.

**Phillophorus** Thornton, 1853


Described as genus.

Type species: *Phillophorus testudinatus* Thornton, 1853; by original designation; junior synonym of *Phyllophora testudinacea* Fernie, 1852.


Useful information about the objective status: Replaced by *Periphyllus* van der Hoeven, 1863 (*nomen protectum*). Senior objective synonym of *Chaitophorinella* van der Goot, 1913.

**Phloeomyzus** Horváth, 1896


Described as genus.

Type species: *Schizoneura passerinii* Signoret, 1875; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Loewia* Lichtenstein, 1886.

Subjective status: Valid.

Taxonomic position: Aphididae Phloeomyzinae.

**Phlomimyzus** Narzikulov & Daniyarova, 1979

Publication reference: Trudy Vsesoyuznogo Entomologicheskogo Obshchestva, 61: 44.

Described as subgenus of *Cryptomyzus* Oestlund, 1923.

Type species: *Phlomimyzus tadzhikistanicus* Narzikulov & Daniyarova, 1979; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Cryptomyzus* Oestlund, 1923.

**Phorodon** Passerini, 1860

Publication reference: Gli Afidi con un prospetto dei generi e alcune specie nuove italiane: 27.

Described as genus.

Type species: *Aphis humuli* Schrank, 1801; by original designation.

Objective status: Available & potentially valid.
Useful information about the objective status: Name placed in the Official Lists of Generic Names in Zoology [Opinion 446; name number 1054].

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Phyllaphis** Koch, 1856

- Described as genus.
- Type species: *Aphis fagi* Linnaeus, 1767; by monotypy.
- Objective status: Available & potentially valid.
- Subjective status: Valid.

Taxonomic position: Aphididae Phyllaphidinae.

**Phyllaphoides** Takahashi, 1921

- Described as genus.
- Type species: *Phyllaphoides bambusicola* Takahashi, 1921; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

**Phyllophora** Fernie, 1852

- Described as genus.
- Type species: *Phyllophora testudinacea* Fernie, 1852; by monotypy.
- Objective status: Available but invalid — Junior homonym of *Phyllophora* Thunberg, 1815 (Orthoptera), of *Phyllophora* Macquart, 1835 (Diptera), of *Phyllophora* Gray, 1838 (Mammalia), and of *Phyllophora* Milne-Edwards, 1840 (Crustacea).
- Useful information about the objective status: Replaced by *Periphyllus* van der Hoeven, 1863.

**Phymatosiphum** Davis, 1909

- Described as genus.
- Type species: *Siphonophora acerifoliae* Thomas, 1878; by subsequent designation (Favret, Miller, Nieto Nafría & Cortés Gabaudan, 2008: 392).
- Objective status: Available but invalid — Junior objective synonym of *Drepanaphis* Del Guercio, 1909.
**Piceaphis** Zhang (G.-x.), Chen, Zhong & Li, 1999


Described as genus.

Type species: *Piceaphis piceaphis* Zhang (G.-x.), Chen, Zhong & Li, 1999; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Macrosiphoniella* Del Guercio, 1911.

**Picturaphis** Blanchard (E.E.), 1922


Described as genus.

Type species: *Picturaphis vignaphilus* Blanchard (E.E.), 1922; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.


**Pilobtusaphis** Rusanova, 1943


Described as genus.

Type species: *Pilobtusaphis dsengei* Rusanova, 1943; by original designation.

Objective status: Available & potentially valid.

Subjective status: Nomen dubium.

Taxonomic position: Aphididae Chaitophorinae.

**Pilorostris** Raychaudhuri (D.N.), Ghosh (L.K.) & Das (S.K.), 1980


Described as genus.

Type species: *Pilorostris simlaensis* Raychaudhuri (D.N.), Ghosh (L.K.) & Das (S.K.), 1980; by original designation; junior synonym of *Nasonovia* (*Kakimia*) *rostrata* David & Hameed, 1974.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Nasonovia* Mordvilko, 1914.

**Piraphis** Börner, 1931


Described as genus.

Type species: *Pyraphis streili* Börner, 1931; by original designation; junior
synonym of *Myzus pyrarius* Passerini, 1861.
Objective status: Available but invalid — Junior objective synonym of *Pyrphis* Börner, 1931.

**Pityaria** Börner, 1949

Described as subgenus of *Cinaropsis* Börner, 1939.
Type species: *Lachnus pruinosus* Hartig 1841; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Cinara* Curtis, 1835.

**Placoaphis** Richards, 1961

Publication reference: Canadian Entomologist, 93: 624.
Described as genus.
Type species: *Placoaphis siphunculata* Richards, 1961; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Ericaphis* Börner, 1939.

**Platyaphis** Takahashi, 1957

Described as genus.
Type species: *Platyaphis fagi* Takahashi, 1957; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Calaphidinae Calaphidini Monaphidina.

**Pleotrichophorus** Börner, 1930

Described as subgenus of *Capitophorus* van der Goot, 1913.
Type species: *Aphis glandulosa* Kaltenbach, 1846; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Plioaphis** Heie, 1968

Described as genus.
Type species: *Plioaphis subhercynica* Heie, 1968; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae.

**Plocamaphis** Oestlund, 1923

Described as genus.
Type species: *Melanoxanthus flocculosus* Weed, 1891; by original designation.
Objective status: Available & potentially valid.

Taxonomic position: Aphididae Pterocommatinae.

**Polychaitocallis** Hong, 2002

Described as genus.
Type species: *Polychaitocallis ovata* Hong, 2002; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.

Taxonomic position: Aphididae (Drepanosiphidae sensu Heie complex).

**Polygonaphis** Zhang (G.-x.), Chen, Zhong & Li, 1999

Described as genus.
Type species: *Polygonaphis aciculansucta* Zhang (G.-x.), Chen, Zhong & Li, 1999; by original designation; junior synonym of *Aphis adjuvans* Walker, 1848.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Aspidaphis* Gillette, 1917.

**Polytrichaphis** Miyazaki, 1971

Publication reference: Insecta Matsumurana, 34: 166.
Described as genus.
Type species: *Polytrichaphis fragilis* Miyazaki, 1971; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Pomaphis** Börner, 1939

Described as genus.
Type species: *Aphis pyri* Boyer de Fonscolombe, 1841; by original designation.
Objective status: Available & potentially valid.
Useful information about the objective status: Replacement name for *Dentatus* van der Goot, 1913 and for *Myzopsis* Pašek, 1955.
Subjective status: Valid — Senior synonym of *Myzopsis* Pašek, 1955; Junior synonym of *Dentatus* van del Goot, 1913 (a invalid name).
Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Dysaphis* Börner, 1931.

**Precinara** Zhang (J.-f.), Sun & Zhang (X.-y.), 1994
Described as genus.
Type species: *Precinara minutissima* Zhang (J.-f.), Sun & Zhang (X.-y.), 1994; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Lachninae Eulachnini.

**Primoriaphis** Quednau & Shaposhnikov, 1988
Publication reference: Canadian Entomologist, 120: 1019.
Described as subgenus of *Subsaltusaphis* Quednau, 1952.
Type species: *Subsaltusaphis (Primoriaphis) pulchra* Quednau & Shaposhnikov, 1988; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Saltusaphidinae Thripsaphidini — Subgenus of *Subsaltusaphis* Quednau, 1952.

**Procalaphis** Quednau, 1954
Described as genus.
Type species: *Aphis tuberculata* von Heyden, 1837; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Callipterinella* van der Goot, 1913.

**Prociphilus** Koch, 1857
Described as genus.
Type species: *Aphis bumeliae* Schrank, 1801; by subsequent designation (Gerstaecker, 1859: 249).
Objective status: Available & potentially valid.


Promicrella Börner, 1949

Publication reference: Beiträge sur Taxonomischen Zoologie, 1: 54.

Described as genus.

Type species: Promicrella ramicola Börner, 1949; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of Chaitophorus Koch, 1854.

Protacaudinum Holman, 1991

Publication reference: Entomologia Generalis, 16 (3): 216

Described as subgenus of Acaudinum Börner, 1930.

Type species: Acaudinum beheni Remaudière & Davatchi, 1959; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.


Protaphis Börner, 1952


Described as genus.

Type species: Brachyunguis anthemidis Börner, 1940; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of Alhambra Gómez-Menor, 1958, and Dasia Gómez-Menor, 1951 (a junior homonym name).

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

Protohormaphis Shaposhnikov & Gabrid, 1987


Described as genus.

Type species: Protohormaphis piceae Shaposhnikov & Gabrid, 1987; by original designation.

Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Hormaphidinae Hormaphidini.

**Protolachnus** Theobald, 1915

Described as genus.
Type species: *Protolachnus tuberculostemmata* Theobald, 1915; by monotypy.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Eulachnus* Del Guercio, 1909.

**Protopterocallis** Richards, 1965

Described as genus.
Type species: *Protopterocallis canadensis* Richards, 1965; by original designation; junior synonym of *Aphis fumipennella* Fitch, 1855.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

**Protrama** Baker (A.C.), 1920

Described as genus.
Type species: *Trama radicis* Kaltenbach, 1843; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Lachninae Tramini.

**Prunaphis** Shaposhnikov, 1964

Described as subgenus of *Brachycaudus* van der Goot, 1913.
Type species: *Aphis cardui* Linnaeus, 1758; by original designation.
Objective status: Available & potentially valid.
Useful information about the objective status: Senior objective synonym of *Neobrachycaudus* Narzikulov, 1965.
Subjective status: Valid — Senior synonym of *Neobrachycaudus* Narzikulov, 1965.
Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Brachycaudus* van der Goot, 1913.
Prunomyzus Hille Ris Lambers & Rogerson, 1946
Described as subgenus of Myzus Passerini, 1860.
Type species: Myzus (Prunomyzus) padellus Hille Ris Lambers & Rogerson, 1946; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of Myzus Passerini, 1860.

Pseudacaudella Börner, 1950
Described as genus.
Type species: Acaudella rubida Börner, 1939; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of Schizomyzus Börner, 1950.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

Pseudambria Richards, 1966
Described as genus.
Type species: Pseudambria longirostris Richards, 1966; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Canadaphididae.

Pseudamphorophora Heie, 1967
Publication reference: Spolia Zoologica Musei Hauniensis, 26: 175.
Described as genus.
Type species: Pseudamphorophora succini Heie, 1967; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

Pseudaphis Hille Ris Lambers, 1956
Described as genus.
Type species: Macrosiphum (Sitobion) sijui Eastop, 1953; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

Pseudasiphonaphis Robinson, 1965
Publication reference: Canadian Entomologist, 97: 1009.
Described as genus.
Type species: Asiphonaphis anogis Hottes & Frison, 1931; by original designation; junior synonym of Pergandeida corni Tissot, 1929.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

Pseudessigella Hille Ris Lambers, 1966
Described as genus.
Type species: Pseudessigella brachychaeta Hille Ris Lambers, 1966; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Lachninae Eulachnini.

Pseudoacyrthosiphon Ghosh (A.K.) & Raychaudhuri (D.N.), 1969
Described as subgenus of Neoacyrthosiphon Tao, 1963.
Type species: Macrosiphum holsti Takahashi, 1935; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of Ericolophium Tao, 1963.

Pseudoastegopteryx Ghosh (M.R.), Pal & Raychaudhuri (D.N.), 1977
Described as genus.
Type species: Pseudoastegopteryx himalayensis Ghosh (M.R.), Pal & Raychaudhuri (D.N.), 1977; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of Astegopteryx Karsch, 1890.

Pseudobrevicoryne Heinze, 1960
Publication reference: Beiträge zur Entomologie [Berlin], 10: 763.
Described as genus.
Type species: Brevicoryne buhari Börner, 1952; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

_Pseudocercidis_ Richards, 1961
Publication reference: Canadian Entomologist, 93: 622.
Described as genus.
Type species: _Pseudocercidis rosae_ Richards, 1961; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

_Pseudocerosipha_ Shinji, 1932
Described as genus.
Type species: _Pseudocerosipha pruni_ Shinji, 1932; by monotypy; junior synonym of _Toxoptera rufiabdominalis_ Sasaki, 1899.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of _Rhopalosiphum_ Koch, 1854.

_Pseudochromaphis_ Zhang (G.-x.), 1982
Described as genus.
Type species: _Chromaphis coreanus_ Paik, 1965; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

_Pseudoepameibaphis_ Gillette & Palmer, 1932
Described as genus.
Type species: _Pseudoepameibaphis glauca_ Gillette & Palmer, 1932; by monotypy.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

_Pseudolachnus_ Shinji, 1922
Described as genus.
Type species: _Pseudolachnus yomogi_ Shinji, 1922; by monotypy; junior
synonym of Cryptosiphum artemisiae Buckton, 1879.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of Cryptosiphum Buckton. 1879.

**Pseudomegoura** Shinji, 1929
Publication reference: Lansania, 1: 112.
Described as genus.
Type species: Macrosiphum nishikigi Shinji, 1928; by original designation; junior synonym of Rhopalosiphum magnoliae Essig & Kuwana, 1918.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of Aulacorthum Mordvilko, 1914.

**Pseudomicrella** Börner, 1949
Described as genus.
Type species: Aphis vitellinae Schrank, 1801; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of Chaitophorus Koch, 1854.

**Pseudonipponaphis** Ghosh (A.K.) & Raychaudhuri (D.N.), 1973
Publication reference: Kontyû, 41: 483.
Described as subgenus of Nipponaphis Pergande, 1906.
Type species: Nipponaphis machiliphaga Takahashi, 1959; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of Schizoneuraphis van der Goot, 1917.

**Pseudoprotaphis** Kadyrbekov, 2001
Described as genus.
Type species: Aphis erigerontis Holman, 1966; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Aphidini Aphidina — Subgenus of Aphis Linnaeus, 1758.

**Pseudopterocomma** MacGillivray, 1963
Publication reference: Canadian Entomologist, 95: 941.
Described as subgenus of Fullawaya Essig, 1912.
Type species: Fullawaya hughi MacGillivray, 1963; by monotypy.
Objective status: Available & potentially valid.
Subjective status: Valid.
**Taxonomic position:** Aphididae Chaitophorinae Chaitophorini.

**Pseudoregma** Doncaster, 1966


Described as genus.

Type species: *Oregma bambusicola* Takahashi, 1921; by original designation.

Objective status: Available & potentially valid.


**Taxonomic position:** Aphididae Hormaphidinae Cerataphidini.

**Pseudorhopalosiphoninus** Heinze, 1961

Publication reference: Beiträge zur Entomologie [Berlin], 11: 90.

Described as genus.

Type species: *Rhopalosiphum calthae* Koch, 1854; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

**Taxonomic position:** Aphididae Aphidinae Macrosiphini — Subgenus of *Rhopalosiphoninus* Baker (A.C.), 1920.

**Pseudothoracaphis** Raychaudhuri (D.N.), Ghosh (L.K.) & Das (S.K.), 1980

Publication reference: Insecta Matsumurana, (N.S.), 20: 36.

Described as genus.

Type species: *Pseudothoracaphis himachali* Raychaudhuri (D.N.), Gosh (L.K.) & Das (S.K.); by original designation.

Objective status: Available & potentially valid.


**Taxonomic position:** Aphididae Hormaphidinae Nipponaphidini.

**Pseudotinocallis** Ghosh (A.K.) & Quednau, 1990


Described as genus.

Type species: *Sarucallis nigropunctatus* Tao, 1963; by original designation.


**Pterasthenia** Stroyan, 1952


Described as genus.
Type species: *Pterasthenia shiraensis* Stroyan, 1952; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of *Antalus* Adams, 1965.
Taxonomic position: Aphididae Pterastheniinae.

**Pteriaphis** Gaumont, 1923

Described as genus.
Type species: There is none.
Objective status: Available & potentially valid.
Subjective status: Nomen dubium.
Taxonomic position: Aphididae Calaphidinae.

**Pterocallidium** Börner, 1949

Publication reference: Beiträge sur Taxonomischen Zoologie, 1: 49.
Described as genus.
Type species: *Chaitophorus maculatus* Buckton, 1899; by original designation; junior synonym of *Callipterus trifolii* Monell, 1882.
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of *Triphyllaphis* Börner, 1949.
Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina — Subgenus of *Therioaphis* Walker, 1870.

**Pterocallis** Passerini, 1860

Described as genus.
Type species: *Aphis alni* Fabricius, 1781; by original designation; junior synonym of *Aphis alni* De Geer, 1773.
Objective status: Available & potentially valid.
Useful information about the objective status: Senior objective synonym of *Subcallipterus* Mordvilko, 1894.
Subjective status: Valid.
Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina — With subgenera *Pterocallis* and *Recticallis* Matsumura, 1919.

**Pterochloroides** Mordvilko, 1914

Described as genus.
Type species: *Lachnus persicae* Cholodkovsky, 1899; by monotypy.
Objective status: Available & potentially valid.
Useful information about the objective status: Senior objective synonym of *Tuberodryobius* Das (B.), 1918.
Subjective status: Valid.
Taxonomic position: Aphididae Lachninae Lachnini.

**Pteroclorus** Rondani, 1848

Described as genus.
Type species: *Aphis roboris* Linnaeus, 1758; by monotypy.
Objective status: Available but invalid —— Junior objective synonym of *Lachnus* Burmeister, 1835.

**Pterocomma** Buckton, 1879

Described as genus.
Type species: *Pterocomma pilosa* Buckton, 1879; by monotypy.
Objective status: Available & potentially valid.
Useful information about the objective status: Replacement name for *Aphioides* Passerini, 1860.
Subjective status: Valid —— Senior synonym *Aristaphis* Kirkaldy, 1905, *Clavigerus* Szépligeti, 1883, *Melanoxanterium* Schouteden, 1901, *Melanoxanthus* Buckton, 1879 (a junior homonym name), and *Stauroceras* Börner, 1940 —— Junior synonym name of *Aphioides* Passerini, 1860 (an invalid name), *Cladobius* Koch, 1856 (an invalid name).
Taxonomic position: Aphididae Pterocommatinae.

**Pterostigma** Buckton, 1883

Described as genus.
Type species: *Pterostigma recurvum* Buckton, 1883; by monotypy.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Mindarus* Koch, 1857.

**Ptychodes** Buckton, 1881

Described as genus.
Type species: *Aphis juglandis* Goeze, 1778; by monotypy.
Objective status: Available but invalid —— Junior homonym of *Ptychodes* Dejean, 1835 (Coleoptera), of *Ptychodes* Audinet-Serville, 1835 (Coleoptera), of *Ptychodes* Fischer de Waldheim, 1848 (Mollusca) and of *Ptychodes* Diesing, 1863 (Nemertines).
Useful information about the objective status: Replaced by *Panaphis* Kirkaldy, 1904 (*nomen novum*).

**Pulvius** Sanborn, 1906
*Described as genus.*
*Type species: Pulvius probosceus* Sanborn, 1906; by monotypy.
*Objective status: Available & potentially valid.*
*Subjective status: Valid.*
*Taxonomic position: Aphididae Eriosomatinae Pemphigini — Subgenus of Prociphilus Koch, 1857.*

**Pyraphis** Börner, 1931
*Publication reference: Anzeiger für Schädlingskunde, 7: 10.*
*Described as genus.*
*Type species: Pyraphis streili* Börner, 1931; by original designation; junior synonym of *Myzus pyrarius* Passerini, 1861.
*Objective status: Available & potentially valid.*
*Useful information about the objective status: Senior objective synonym of Piraphis Börner, 1931.*
*Subjective status: Junior synonym of Melanaphis van der Goot, 1917.*

**Pyrethromyzus** Börner, 1950
*Publication reference: Neue Europäische Blattlausarten: 15.*
*Described as genus.*
*Type species: Macrosiphum sanborni* Gillette, 1908; by original designation.
*Objective status: Available & potentially valid.*
*Subjective status: Junior synonym of Macrosiphoniella Del Guercio, 1911.*

**Pyrolachnus** Basu (A.N.) & Hille Ris Lambers, 1968
*Described as genus.*
*Type species: Lachnus pyri* Buckton, 1899; by original designation.
*Objective status: Available & potentially valid.*
*Subjective status: Valid.*
*Taxonomic position: Aphididae Lachninae Lachnini.*

**Quadrartus** Monzen, 1954
*Described as genus.*
*Type species: Quadrartus yoshinomiyai* Monzen, 1954; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

**Quednaucallis** Chakrabarti, 1988
- Described as subgenus of *Tinocallis* Matsumura, 1919.
- Type species: *Sarucallis nigropunctatus* Tao, 1963; by original designation.
- Objective status: Available & potentially valid.
- Useful information about the objective status: Senior objective synonym of *Pseudotinocallis* Ghosh (A.K.) and Quednau, 1990.
- Subjective status: Valid.
- Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

**Quernaphis** Takahashi, 1958
- Described as genus.
- Type species: *Thoracaphis tuberculata* Takahashi, 1933; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Valid.
- Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

**Quippelachnus** Oestlund, 1923
- Described as genus.
- Type species: *Euceraphis gillettei* Davidson, 1915; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Junior synonym of *Euceraphis* Walker, 1870.

**Quisqueyaaphis** Wegierek, 2001
- Described as genus.
- Type species: *Quisqueyaaphis heiei* Wegierek, 2001; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Valid.
- Taxonomic position: Aphididae Greenideinae Cervaphidini.

**Radiaphis** Pashchenko, 2000
- Described as genus.
Type species: *Radiaphis cirsii* Pashchenko, 2000; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Chitinosiphon* Yuan & Xue, 1992.

**Radicisiphum** Zhang (G.-x.), Chen, Zhong & Li, 1999

Described as genus.
Type species: *Radicisiphum cirsomilos* Zhang (G.-x.), Chen, Zhong & Li, 1999; by original designation; junior synonym of *Aulacorthum cirsorhizum* Zhang (G.-x.), Chen, Zhong & Li, 1999.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Chitinosiphon* Yuan & Xue, 1992.

**Radisectaphis** Zhang (G.-x.), 1991

Described as genus.
Type species: *Radisectaphis gyirongensis* Zhang (G.-x.), 1981; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Plocamaphis* Oestlund, 1923.

**Ramtirichophorus** Hille Ris Lambers, 1947

Described as subgenus of *Macrocephoniella* Del Guercio, 1911.
Type species: *Macrocephoniella janczei* Börner, 1939; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Macrocephoniella* Del Guercio, 1911.

**Ranakimia** Heie, 1979

Described as subgenus of *Nasonovia* Mordvilko, 1914.
Type species: *Nectarophora purpurascens* Oestlund, 1887; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Nasonovia* Mordvilko, 1914.
**Rappardiella** Noordam, 1991


Described as genus.

Type species: *Oregma loranthi* van der Goot, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Tuberaphis* Takahashi, 1933.

**Raychaudhuriaphis** Pramanick, Samanta & Raychaudhuri (D.), 1983


Described as genus.

Type species: *Raychaudhuraphis capitata* Pramanick, Samanta & Raychaudhuri (D.), 1983; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Raychaudhuriella** Chakrabarti, 1978


Described as genus.

Type species: *Raychaudhuriella myzaphoides* Chakrabarti, 1979; by original designation; junior synonym of *Eoessigia indica* David, Rajasingh & Narayanan, 1972.

Objective status: Available & potentially valid.


**Recticallis** Matsumura, 1919


Described as genus.

Type species: *Recticallis alnijaponicae* Matsumura, 1919; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.


**Rectinasus** Theobald, 1914


Described as genus.

Type species: *Rectinasus buxtoni* Theobald, 1914; by monotypy.

Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Eriosomatinae Fordini.

**Reticulaphis** Takahashi, 1958

Described as genus.
Type species: *Reticulaphis shiiae* Takahashi, 1958; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

**Rhizoberlesia** Del Guercio, 1915

Publication reference: Redia, 10: 246.
Described as genus.
Type species: *Rhizoberlesia trifolii* Del Guercio, 1915; by original designation;
Replaced by *Therioaphis brachytricha* Hille Ris Lambers & van den Bosch, 1964.
Objective status: Available & potentially valid.
Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina —
Subgenus of *Therioaphis* Walker, 1870.

**Rhizobius** Burmeister, 1835

Described as genus.
Type species: *Rhizobius pilosellae* Burmeister, 1835; by subsequent designation
(Wilson, 1910: 153); Junior synonym of *Aphis bursaria* Linnaeus, 1758.
Objective status: Available but invalid — Suppressed by the International
Useful information about the objective status: Replaced by *Rhizophthiridium*
van der Hoeven, 1840.

**Rhizoctonus** Horváth, 1896.

Publication reference: Mokrezecky, Trudy Russkago Entomologicheskago
Obshchestva, 30: 439.
Described as genus.
Type species: *Rhizoctonus ampelinus* Mokrzecky, 1896; by original
designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Aploneura* Passerini, 1863.

**Rhizomaria** Hartig, 1857

Described as genus.

Type species: *Rhizomaria piceae* Hartig, 1857; by monotypy; junior synonym of *Aphis tremulae* Linnaeus, 1761.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Pachypappa* Koch, 1856.

**Rhizophasiridium** van der Hoeven, 1840


Described as genus.

Type species: *Rhizobius pilosellae* Burmeister, 1835; denoted by new replacement name (Article 67.8); junior synonym of *Aphis bursaria* Linnaeus, 1758.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name of *Rhizobius* Burmeister, 1835 (a suppressed name).

Subjective status: Junior synonym of *Pemphigus* Hartig, 1839.

**Rhizoterus** Hartig, 1841


Described as genus.

Type species: *Rhizoterus vacca* Hartig, 1841; by monotypy; junior synonym of *Forda formicaria* von Heyden; 1837.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Forda* von Heyden, 1837.

**Rhodiolaphis** Ivanovskaja, 1975


Described as genus.

Type species: *Rhodiolaphis cholsunensis* Ivanovskaja, 1975; by original designation; junior synonym of *Thuleaphis sedi* Jacob, 1964.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Mordvilkomemor* Shaposhnikov, 1950.

**Rhodobium** Hille Ris Lambers, 1947

Publication reference: Temminckia, 7: 300.

Described as genus.

Type species: *Macrosiphum rosaeolium* Theobald, 1915; by original designation; junior synonym of *Myzus porosus* Sanderson, 1900.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.
Rhopalomyzus Mordvilko, 1921
Described as subgenus of Myzus Passerini, 1860.
Type species: Rhopalosiphum poae Gillette, 1908; by monotypy.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera Rhopalomyzus and Judenkoa Hille Ris Lambers, 1953.

Rhopalosiphon Börner, 1952
Described as genus.
Type species: Aphis nymphaeae Linnaeus, 1761; denoted by unjustified emendation (Article 67.8).
Objective status: Available but invalid — Unjustified emendation & Junior objective synonym of Rhopalosiphum Koch, 1854.

Rhopalosiphoninus Baker (A.C.), 1920
Described as genus.
Type species: Amorphorophora latysiphon Davidson, 1912; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of Clavosiphum Shinji, 1922.

Rhopalosiphum Koch, 1854
Described as genus.
Type species: Aphis nymphaeae Linnaeus, 1761; by subsequent designation (Gerstaecker, 1856: 162).
Objective status: Available & potentially valid.
Useful information about the objective status: Senior objective synonym of Rhopalosiphon Börner, 1931, of Siphocoryne Passerini, 1860, and of Siphonaphis van der Goot, 1915.

Taxonomic position: Aphididae Aphidinae Aphidini Rhopalosiphina.

**Rhynchocles** Altum, 1882

- Publication reference: Forstzoologie, 3: 356.
- Described as genus.
- Type species: *Rhynchocles longirostris* Altum, 1882; by original designation; junior synonym of *Aphis quercus* Linnaeus, 1758.
- Objective status: Available & potentially valid.
- Subjective status: Junior synonym of *Stomaphis* Walker, 1870.

**Rhyzoicus** Passerini, 1860

- Publication reference: Gli Afidi con un prospetto dei generi e alcune specie nuove italiane: 30 (footnote).
- Described as genus.
- Type species: *Rhyzoicus sonchi* Passerini, 1860; by original designation; junior synonym of *Aphis bursaria* Linnaeus, 1758.
- Objective status: Available & potentially valid.
- Subjective status: Junior synonym of *Pemphigus* Hartig, 1839.

**Roepkea** Hille Ris Lambers, 1935

- Described as genus.
- Type species: *Yezabura marchali* Börner, 1931; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Valid.
- Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Rungsia** Mimeur, 1933

- Described as genus.
- Type species: *Rungsia graminis* Mimeur, 1933; by original designation; junior synonym of *Sipha maydis* Passerini, 1860.
- Objective status: Available & potentially valid.
- Useful information about the objective status: Replacement name for *Siphonella* Börner, 1939.
- Subjective status: Valid — Senior synonym of *Siphonella* Börner, 1939.
- Taxonomic position: Aphididae Chaitophorinae Siphini — Subgenus of *Sipha*
Passerini, 1860.

**Ryoichitakahashia** Hille Ris Lambers, 1965

- Described as genus.
- Type species: *Ryoichitakahashia ilicis* Hille Ris Lambers, 1965; by original designation; junior synonym of *Macrosiphoniella prunifoltae* Shinji, 1924.
- Objective status: Available & potentially valid.
- Subjective status: Valid.
- Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

**Saltusaphis** Theobald, 1915

- Described as genus.
- Type species: *Saltusaphis scirpus* Theobald, 1915; by monotypy.
- Objective status: Available & potentially valid.
- Subjective status: Valid — Senior synonym of *Hiberaphis* Börner, 1949.
- Taxonomic position: Aphididae Saltusaphidinae Saltusaphidini.

**Sanbornia** Baker (A.C.), 1920

- Described as genus.
- Type species: *Sanbornia juniperi* Pergande, 1920; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Valid.
- Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

**Sanpupemphigus** Chang, 1979

- Described as genus.
- Type species: *Sanpupemphigus sanpupopuli* Chang & Zhong, 1979; by original designation; junior synonym of *Pemphigus imaiicus* Cholodkovsky, 1912.
- Objective status: Available & potentially valid.
- Subjective status: Junior synonym of *Epipemphigus* Hille Ris Lambers, 1966.

**Sappaphis** Matsumura, 1918

- Described as genus.
- Type species: *Sappaphis piri* Matsumura, 1918; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Valid — Senior synonym of *Lachnaphis* Shinji, 1922.
Registros de los taxones del nivel familia y del nivel género de Aphioidae (Hemiptera Sternorrhyncha). 81-404, 2010

Taxonomic position: Aphididae Aphidinae Macrosiphini.

*Sappocallis* Matsumura, 1919

- Described as genus.
- Type species: *Sappocallis ulmicola* Matsumura, 1919; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Valid — Senior synonym of *Telocallis* Shinji, 1922, and *Tuberocallis* Nevsky, 1929.

*Sarucallis* Shinji, 1922

- Described as genus.
- Type species: *Sarucallis lythrae* Shinji, 1922; by monotypy; junior synonym of *Myzocallis kahawaluokalani* Kirkaldy, 1907.
- Objective status: Available & potentially valid.
- Subjective status: Valid — Senior synonym of *Neotherioaphis* Behura & Das (B.K.), 1975.
- Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

*Satula* Olive, 1963

- Described as genus.
- Type species: *Satula brachychaeta* Olive, 1963; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Valid.

*Sbenaphis* Scudder, 1890

- Described as genus.
- Type species: *Lachnus quesneli* Scudder, 1878; by subsequent designation (Heie, 1967: 205).
- Objective status: Available & potentially valid.
- Subjective status: Valid.
- Taxonomic position: Aphididae.
**Schizaphidiella** Hille Ris Lambers, 1939  
Described as genus.  
Type species: *Schizaphidiella quinquarticulata* Hille Ris Lambers, 1939; by original designation; junior synonym of *Myzus pyrarius* Passerini, 1861.  
Objective status: Available & potentially valid.  
Subjective status: Junior synonym of *Melanaphis* van der Goot, 1917.

**Schizaphis** Börner, 1931  
Described as genus.  
Type species: *Aphis graminum* Rondani, 1852; by original designation.  
Objective status: Available & potentially valid.  
Subjective status: Valid.  
Taxonomic position: Aphididae Aphidinae Aphidini Rhopalosiphina — With subgenera *Schizaphis*, *Euschizaphis* Hille Ris Lambers, 1947, and *Paraschizaphis* Hille Ris Lambers, 1947.

**Schizodryobius** van der Goot, 1913  
Described as genus.  
Type species: *Lachnus exsiccator* Altum, 1862; by original designation; junior synonym of *Aphis pallipes* Hartig, 1841.  
Objective status: Available & potentially valid.  
Subjective status: Junior synonym of *Lachnus* Burmeister, 1835.

**Schizolachnus** Mordvilko, 1909  
Publication reference: Ezhegodnik Zoologicheskago Muzeya Imperatorskoy Akademii Nauk, 13 (4) [1908]: 375.  
Described as genus.  
Type species: *Aphis tomentosa* Villers, 1789; by original designation; junior synonym of *Aphis pineti* Fabricius, 1781.  
Objective status: Available & potentially valid.  
Subjective status: Valid — Senior synonym of *Unilachnus* Wilson, 1919  
Taxonomic position: Aphididae Lachninae Lachnini.

**Schizomyzus** Börner, 1950  
Described as genus.  
Type species: *Schizomyzus lindneri* Börner, 1950; by original designation; junior synonym of *Acaudella rubida* Börner, 1939.  
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Pseudacaudella* Börner, 1950.

**Schizoneura** Hartig, 1839


Described as genus.

Type species: *Chermes ulmi* Linnaeus, 1758; by subsequent designation (Passerini, 1860: 30) & actuation of Nieto Nafría et al. (2010: 67) under the Article 70.3.2 of the ICZN.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Eriosoma* Leach, 1818.

**Schizoneuraphis** van der Goot, 1917


Described as genus.

Type species: *Schizoneuraphis gallarum* van der Goot, 1917; by original designation.

Objective status: Available & potentially valid.


Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

**Schizoneurata** Hille Ris Lambers, 1973


Described as genus.

Type species: *Schizoneurata tissoti* Hille Ris Lambers, 1973; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Eriosomatini.

**Schizoneurella** Hille Ris Lambers, 1973


Described as genus.

Type species: *Schizoneurella indica* Hille Ris Lambers, 1973; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Eriosomatini.

**Schizoneuroides** Buckton, 1883

Described as genus.
Type species: *Schizoneuroides scudderi* Buckton, 1883; by monotypy.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Mindarus* Koch, 1857.

**Schlechtendalia** Lichtenstein, 1883

Described as genus.
Type species: *Aphis chinensis* Bell, 1851; by monotypy.
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of *Abamalekia* Del Guercio, 1906, and *Meitanaphis* Tsai & Tang, 1946.
Taxonomic position: Aphididae Eriosomatinae Fordini.

**Schoutedenia** Mordvilko, 1921

Described as genus.
Type species: *Geoica cyperi* Schouteden, 1902; by subsequent designation (Mordvilko, 1928: 176)
Objective status: Available but invalid — Junior homonym of *Schoutedenia* Rübsaamen, 1905.
Useful information about the objective status: Replaced by *Neoschoutedenia* Schumacher, 1923 (*nomen novum*), and by *Schoutedenum* Mordvilko, 1928 (*nomen novum*).

**Schoutedenia** Rübsaamen, 1905

Publication reference: Marcellia, 4: 19.
Described as genus.
Type species: *Schoutedenia ralumensis* Rübsaamen, 1905; by original designation.
Objective status: Available & potentially valid.
Useful information about the objective status: Senior homonym of *Schoutedenia* Mordvilko, 1921.
Taxonomic position: Aphididae Greenideinae Schoutedeniini.

**Schoutedenum** Mordvilko, 1928

Described as genus.
Type species: Geoica cyperi Schouteden, 1902; denoted by new replacement name (Article 67.8).

Objective status: Available but invalid — Junior objective synonym of Neoschoutedenia Schumacher, 1923.

Useful information about the objective status: Replacement name (nomen novum) for Schoutedenia Mordvilko, 1921.

Subjective status: Junior synonym of Geoica Hart, 1894.

Sciamyzus Stroyan, 1954


Described as subgenus of Myzus Passerini, 1860.

Type species: Myzus (Sciamyzus) cymbalariae Stroyan, 1954; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of Myzus Passerini, 1860.

Scleromyzus Basu (R.C.), Ghosh (M.R.) & Raychaudhuri (D.N.), 1976

Publication reference: Entomon, 1: 64.

Described as genus.

Type species: Myzus corylopsis Basu (R.C.), Ghosh (A.K.) & Raychaudhuri (D.N.), 1973; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Scrophulaphis Andreev, 1982


Described as subgenus of Brachycaudus van der Goot, 1913.

Type species: Brachycaudus (Scrophulaphis) rhinariatus Andreev, 1982; by original designation; Junior synonym of Longicaudus himalayensis Hille Ris Lambers, 1965.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of Brachycaudus van der Goot, 1913.

Scythaphis Kadyrbekov, 2002

Described as genus.
Type species: *Cryptosiphum eurotiae* Mamontova, 1968; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Mordvilkomemor* Shaposhnikov, 1950.

**Selibaizongia** Zhang (G.-x.), 1995

Described as subgenus of *Baizongia* Rondani, 1848.
Type species: *Baizongia yunlongensis* Zhang (G.-x.) & Zhong, 1985; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Chaetogeoica* Remaudière & Tao, 1957.

**Semiaphis** van der Goot, 1913

Described as genus.
Type species: *Aphis carotae* Koch, 1954; by monotypy; junior synonym of *Aphis dauci* Fabricius, 1775.
Objective status: Available & potentially valid.
Useful information about the objective status: Name placed in the Official Lists of Generic Names in Zoology [Opinion 646: name number 1504].
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Semiaphoides** Rusanova, 1943

Described as genus.
Type species: *Semiaphoides cannabinarum* Rusanova, 1943; by original designation.
Objective status: Available & potentially valid.
Subjective status: Nomen dubium.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Seneciobium** Remaudière, 1954

Described as genus.
Type species: *Senoniobium balachowskyi* Remaudière, 1954; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

**Senisetotarsaphis** Raychaudhuri (D.N.), Ghosh (L.K.) & Das (S.K.), 1980
- Described as genus.
- Type species: *Senisetotarsaphis jakhuensis* Raychaudhuri (D.N.), Ghosh (L.K.) & Das (S.K.), 1980; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Junior synonym of *Longicaudus* van der Goot, 1913.

**Sensoriaphis** Cottier, 1953
- Described as genus.
- Type species: *Sensoriaphis nothofagi* Cottier, 1953; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Valid.
- Taxonomic position: Aphididae Taiwanaphidinae — Subgenus of *Taiwanaphis* Takahashi, 1934.

**Serrataphis** van der Goot, 1917
- Described as genus.
- Type species: *Tetraneura lucifuga* Zehntner, 1897; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Junior synonym of *Geoica* Hart, 1894.

**Serratocallis** Quednau & Chakrabarti, 1976
- Described as genus.
- Type species: *Serratocallis takahashii* Quednau & Chakrabarti, 1976; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Valid.
- Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina.

**Setaphidia** Strand, 1942
- Described as genus.
- Type species: *Setaphis lutea* van der Goot, 1917; denoted by new replacement
name (Article 67.8); junior synonym of *Schoutedenia ralumensis* Rübsaamen, 1905.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Setaphis* van der Goot, 1917.

Subjective status: Junior synonym of *Schoutedenia* Rübsaamen, 1905.

**Setaphis** van der Goot, 1917


Described as genus.

Type species: *Setaphis lutea* van der Goot, 1917; by original designation; Junior synonym of *Schoutedenia ralumensis* Rübsaamen, 1905.

Objective status: Available but invalid — Junior homonym of *Setaphis* Simon, 1893 (Arachnida).

Useful information about the objective status: Replaced by *Setaphidia* Strand, 1942 (*nomen novum*).

**Shaposhnikoviella** Mamontova-Solukha, 1963


Described as genus.

Type species: *Shaposhnikoviella paradoxa* Mamontova, 1963; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Neosappaphis* Hille Ris Lambers, 1959.

**Shenahweum** Hottes & Frison, 1931


Described as genus.

Type species: *Drepanaphis minutus* Davis, 1910; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Drepanosiphinae — Subgenus of *Drepanaphis* Del Guercio, 1909.

**Shinjia** Takahashi, 1938


Described as genus.

Type species: *Microtarsus pterydifoliae* Shinji, 1929; denoted by new replacement name (Article 67.8); junior synonym of *Atarsos orientalis* Mordvilko, 1929.
Objective status: Available & potentially valid.
Useful information about the objective status: Replacement name (*nomen novum*) for *Microtarsus* Shinji, 1929.
Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Shivaphis** Das (B.), 1918

Described as genus.
Type species: *Shivaphis celti* Das (B.), 1918; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.


**Siciforda** Zhang (G.-x.), 1998

Publication reference: Zhang (G.-x.) & Qiao, Entomologia Sinica, 5: 3.
Described as genus.
Type species: *Siciforda sexiarticulata* Zhang (G.-x.), 1998; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Fordini.

**Siciunguis** Zhang (G.-x.) & Qiao, 1999

Described as genus.
Type species: *Siciunguis decima* Zhang (G.-x.) & Qiao, 1999; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Eriosomatini.

**Siculaphis** Quednau & Barbagallo, 1991

Described as genus.
Type species: *Siculaphis vittoriensis* Quednau & Barbagallo, 1991; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina.
**Sigmacallis** Zhang (G.-x.), 1981

- Described as genus.
- Type species: *Sigmacallis pilosa* Zhang (G.-x.), 1981; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Junior synonym of *Pachypappa* Koch, 1856.

**Silenobium** Börner, 1939

- Described as genus.
- Type species: *Silenobium schusteri* Börner, 1939; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Junior synonym of *Volutaphis* Börner, 1939.

**Silvaphis** Hong, 2002

- Described as genus.
- Type species: *Silvaphis eocenica* Hong, 2002; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Valid.
- Taxonomic position: Aphididae Phloeomyzinae.

**Similidrepan** Heie, 2006

- Described as genus.
- Type species: *Similidrepan pulawski* Heie, 2006; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Valid.
- Taxonomic position: Aphididae Drepanosiphinae.

**Sinaphidum** Zhang (J.-f.), Zhang (S.), Hou & Ma, 1989

- Described as genus.
- Type species: *Sinaphidum epichare* Zhang (J.-f.), Zhang (S.), Hou & Ma, 1989; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Valid.
- Taxonomic position: Sinaphididae.
**Sinishivaphis** Zhang (G.-x.), 1982


Described as subgenus of *Shivaphis* Das (B.), 1918.

Type species: *Sinishivaphis hangzhouensis* Zhang (G.-x.) & Zhong, 1982; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Subgenus of *Shivaphis* Das (B.), 1918

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

**Sinituberculatus** Zhang (W.-y.) & Zhang (G.-x.), 1991

Publication reference: Scientific Treatise on Systematic and Evolutionary Zoology, 1: 100.

Described as subgenus of *Tuberculatus*.

Type species: *Tuberculatus (Sinituberculatus) grisipunctatus* Zhang (G.-x.), Zhang (W.-y) & Zhong, 1990; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Acanthocallis* Matsumura, 1917.

**Sinocallis** Hong, 2002


Described as genus.

Type species: *Sinocallis clypeolata* Hong, 2002; by original designation.

Objective status: Available but invalid — Junior homonym of *Sinocallis* Tseng & Tao, 1938.

Useful information about the objective status: Replaced by *Hongocallis* Wegierek, 2010 (*nomen novum*).

**Sinocallis** Tseng & Tao, 1938


Described as genus.

Type species: *Sinocallis mirabilis* Tseng & Tao, 1938; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Dasyaphis* Takahashi, 1938.

**Sinochaitophorus** Takahashi, 1936


Described as genus.

Type species: *Sinochaitophorus maoi* Takahashi, 1936; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.
Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

**Sinocolopha** Tao, 1970

Described as genus.
Type species: *Truncaphis graminis* Takahashi, 1930; by original designation; junior synonym of *Eriosoma kansugei* Uye, 1924.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Colopha* Monell, 1877.

**Sinolachnus** Hille Ris Lambers, 1956

Described as genus.
Type species: *Lachnus niitakayamensis* Takahashi, 1925; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Lachninae Lachnini.

**Sinomegoura** Takahashi, 1960

Described as genus.
Type species: *Acyrthosiphon photiniae* Takahashi, 1936; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Sinonipponaphis** Tao, 1966

Described as genus.
Type species: *Astegopteryx formosana* Takahashi, 1927; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

**Sinosiphoniella** Tao, 1963

Described as genus.
Type species: *Macrocephoniella kuwayamai* Takahashi, 1941; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of Macrosiphoniella del Guercio, 1911.

**Sinotherioaphis** Zhang (G.-x.), 1980
Described as genus.
Type species: *Sinotherioaphis pterothorax* Zhang (G.-x.) & Zhong, 1980; by original designation; junior synonym of *Chuansicalis chengtuensis* Tao, 1964.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Chuansicalis* Tao, 1964.

**Sinoviparosiphum** Ren, Lu & Ji, 1995
Described as genus.
Type species: *Sinoviparosiphum lini* Ren, Lu & Ji, 1995; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Oviparosiphidae.

**Sipha** Passerini, 1860
Described as genus.
Type species: *Aphis glyceriae* Kaltenbach, 1843; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Chaitophorinae Siphini — With subgenera *Sipha* and *Rungsia* Mimeur, 1933.

**Siphocoryne** Passerini, 1860
Described as genus.
Type species: *Aphis nymphaeae* Linnaeus, 1761; by original designation.
Objective status: Available but invalid — Junior objective synonym of *Rhopalosiphum* Koch, 1854.
Useful information about the objective status: Senior homonym of *Siphocoryne* Passerini, 1863.
**Siphocoryne** Passerini, 1863

Publication reference: Archivo per la Zoologia l’Anatomia e la Fisiologia di Modena, 2 (2) [1862]: 175.

Described as genus.

Type species: *Aphis xylostei* Schrank, 1801; by subsequent designation (Kirkaldy, 1905: 416); junior synonym of *Siphocoryne foeniculi* Passerini, 1860.

Objective status: Available but invalid — Junior homonym of *Siphocoryne* Passerini, 1860.

Useful information about the objective status: Replaced by *Hyadaphis* Kirkaldy, 1904 (*nomen novum*).

**Siphonaphis** van der Goot, 1915


Described as genus.

Type species: *Aphis nymphaeae* Linnaeus, 1761; by subsequent designation (Baker (A.C.), 1920: 50).

Objective status: Available but invalid — Junior objective synonym of *Rhopalosiphum* Koch, 1854.

**Siphonatrophia** Swain, 1918


Described as genus.

Type species: *Cerosipha cupressi* Swain, 1918; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Minuticornicus* Knowlton, 1928.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina. With subgenera *Siphonatrophia*, and *Lacusaphis* Zhang (G.-x.).

**Siphonella** Börner, 1939


Described as genus.

Type species: *Sipha graminis* Kaltenbach, 1864; by original designation; junior synonym of *Sipha maydis* Passerini, 1860.

Objective status: Available but invalid — Junior homonym of *Siphonella* Macquart, 1835 (Diptera), of *Siphonella* Hagenow, 1850 (Bryozoa), of *Siphonella* Issel, 1869 (Mollusca), of *Siphonella* Verril, 1879 (Mollusca), and of *Siphonella* Ledenfeld, 1887 (Porifera).

Useful information about the objective status: Replaced by *Rungsia* Mimeur, 1933.
**Siphonocallis** Del Guercio, 1914

Publication reference: Redia, 9 [1913]: 293.

Described as genus.

Type species: *Aphis betulaeolens* Fitch, 1851; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Calaphis* Walsh, 1862.

**Siphonocoryne** Shinji, 1922


Described as genus.

Type species: *Siphonocoryne polygoni* Shinji, 1851; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Akkaia* Takahashi, 1919.

**Siphonophora** Koch, 1855


Described as genus.

Type species: *Aphis rosae* Linnaeus, 1758; by subsequent designation (Passerini, 1860: 27).

Objective status: Available but invalid — Junior homonym of *Siphonophora* Fischer, 1823 (Cnidaria), and of *Siphonophora* Brandt, 1837 (Myriapoda).

Useful information about the objective status: Replaced by *Macrosiphum* Passerini, 1860 (*nomen novum*), and by *Nectarophora* Oestlund, 1887 (*nomen novum*).

**Siphonophoroides** Buckton, 1883


Described as genus.

Type species: *Siphonophoroides antiqua* Buckton, 1883; by subsequent designation (Heie, 1967: 205).

Objective status: Available & potentially valid.


Taxonomic position: Aphididae Drepanosiphinae.

**Sitobion** Mordvilko, 1914


Described as genus.

Type species: *Aphis granaria* Kirby, 1798; by subsequent designation (Mordvilko, 1919: 354); Junior synonym of *Aphis avenae* Fabricius, 1775.
Objective status: Available & potentially valid. — Subsequent spelling for *Sitobium* Mordvilko, 1914 in frequent use and attributed to the author in the original work (Article 33.3.1).


**Sitomyzus** Hille Ris Lambers, 1952


Described as genus.

Type species: *Sitomyzus vibei* Hille Ris Lambers, 1952; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Utamphorophora* Knowlton, 1946.

**Slavum** Mordvilko, 1927


Described as genus.

Type species: *Slavum lentiscoides* Mordvilko, 1927; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Fordini.

**Smiela** Mordvilko, 1929


Described as genus.

Type species: *Smiela fusca* Mordvilko, 1948; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Brevicorynaphis* Hille Ris Lambers, 1956.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Sminthuraphis** Quednau, 1953


Described as genus.
Type species: *Sminthuraphis ulrichi* Quednau, 1953; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Saltusaphidinae Saltusaphidini.

*Smynthurodes* Westwood, 1849

Described as genus.
Type species: *Smynthurodes betae* Westwood, 1849; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of *Trifidaphis* Del Guercio, 1909, and *Tullgrenia* van der Goot, 1912.
Taxonomic position: Aphididae Eriosomatinae Fordini.

*Sogdianella* Mukhamediev, 1965

Described as genus.
Type species: *Sogdianella lonicericola* Mukhamediev, 1965; by original designation.
Objective status: Available but invalid — Junior homonym of *Sogdianella* Schurenkova, 1939 (Protozoa).
Useful information about the objective status: Replaced by *Ferganaphis* Narzikulov & Mukhamediev, 1975 (*nomen novum*), and by *Ferganaphis* Mukhamediev, 1976 (*nomen novum*).

*Somaphis* Shinji, 1929

Described as genus.
Type species: *Aphis somei* Essig & Kuwana, 1918; by original designation; junior synonym of *Longiunguis odinae* van der Goot, 1917.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Toxoptera* Koch, 1856.

*Sorbaphis* Shaposhnikov, 1950

Described as genus.
Type species: *Sorbaphis chaetosiphon* Shaposhnikov, 1950; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.
**Sorbobium** MacGillivray & Bradley, 1961

Publication reference: Canadian Entomologist, 93: 1000.
Described as subgenus of *Toxopterella* Hille Ris Lambers, 1960.
Type species: *Toxopterella (Sorbobium) drepanosiphoides* MacGillivray & Bradley, 1961; by monotypy.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Muscaphis* Börner, 1933.

**Spatulophorus** Müller (F.P.), 1958

Publication reference: Beiträge zur Entomologie [Berlin], 8: 84.
Described as genus.
Type species: *Spatulophorus incanae* Müller (F.P.), 1958; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Spicaphis** Essig, 1953

Described as genus.
Type species: *Spicaphis michelbacheri* Essig, 1953; by original designation; Junior synonym of *Neuquenaphis chilensis* Essig, 1953.
Objective status: Available & potentially valid.
Subjective status: Valid.

**Spinaphis** Ghosh (L.K.), 1986

Described as genus.
Type species: *Spinaphis multisetosa* Ghosh (L.K.); by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Spinaspidaphis** Heinze, 1961

Publication reference: Beiträge zur Entomologie [Berlin], 11: 38.
Described as genus.
Type species: *Spinaspidaphis droserae* Heinze, 1961; by original designation; junior synonym of *Aphis lythri* Schrank, 1801.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Myzus* Passerini, 1860.

**Sportaphis** Zhang (G.-x.), Chen, Zhong & Li, 1999

Described as genus.
Type species: *Sportaphis sporta* Zhang (G.-x.), Chen, Zhong & Li, 1999; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Tenuilongiaphis* Zhang (G.-x.), 1993.

**Staegeriella** Hille Ris Lambers, 1947

Described as genus.
Type species: *Hydaphias necopinata* Börner, 1939; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Stagona** Koch, 1857

Described as genus.
Type species: *Aphis xylostei* De Geer, 1773; by monotypy.
Objective status: Available & potentially valid.
Subjective status: Valid.

**Staticobium** Mordvilko, 1914

Described as genus.
Type species: *Staticobium otolepidis* Nevsky, 1928; by subsequent designation (Börner & Schilder, 1930: 192).
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of *Tuberculaminatus* Ivanovskaja, 1975, and perhaps *Turanaphis* Mordvilko, 1914.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Stauroceras** Börner, 1940

Described as genus.
Type species: *Stauroceras chaetosiphon* Börner, 1940; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Pterocomma* Buckton, 1879.

**Stegophyllyla** Oestlund, 1923

Described as genus.
Type species: *Phyllaphis quercicola* Baker (A.C.), 1916; by original designation; junior synonym of *Callipterus quercicola* Monell, 1879.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Phyllaphidinae.

**Stellariopsis** Szelegiewicz, 1969

Described as genus.
Type species: *Stellariopsis songini* Szelegiewicz, 1969; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Stenaphis** Del Guercio, 1914

Publication reference: Redia, 9 [1913]: 185.
Described as genus.
Type species: *Stenaphis monticellii* Del Guercio, 1914; by monotypy; junior synonym of *Aphis maidis* Fitch, 1856.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Rhopalosiphum* Koch, 1854.

**Stenaphis** Quednau, 1954

Publication reference: Mitteilungen aus der Biologischen Zentralanstalt für Land- und Forstwirtschaft, 78: 40.
Described as genus.
Type species: *Saltusaphis elongata* Baker (A.C.), 1917; by original designation.
Objective status: Available but invalid — Junior homonym of *Stenaphis* Del Guercio, 1914.
Useful information about the objective status: Replaced by *Strenaphis* Quednau, 2008 (*nomen novum*).
**Stephensonia** Das (B.), 1918


Described as genus.

Type species: *Stephensonia lahorensis* Das (B.), 1918; by monotypy; junior synonym of *Aphis rufomaculata* Wilson, 1908.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Coloradoa* Wilson, 1910.

**Sternaphis** Heie, 1972

Publication reference: Steenstrupia, 2: 257.

Described as genus.

Type species: *Sternaphis electricola* Heie, 1972; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Neophyllaphidinae.

**Stomaphis** Walker, 1870


Described as genus.

Type species: *Aphis quercus* Linnaeus, 1758; by original designation.

Objective status: Available & potentially valid.


Taxonomic position: Aphididae Lachninae Lachnini.

**Strenaphis** Quednau, 2008


Described as genus.

Type species: *Saltusaphis elongata* Baker (A.C.), 1917; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Stenaphis* Quednau, 1954.

Subjective status: Valid.

Taxonomic position: Aphididae Saltusaphidinae Saltusaphidini.

**Subacyrthosiphon** Hille Ris Lambers, 1947


Described as genus.
Type species: *Subacyrthosiphon cryptobium* Hille Ris Lambers, 1947; by monotypy.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Subaiceona** Singh & Raychaudhuri (D.N.), 1978

Publication reference: Proceedings of the Zoological Society of [Calcutta], 28 (2) [1975]: 156.
Described as genus.
Type species: *Subaiceona manipurensis* Singh & Raychaudhuri (D.N.), 1978; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.

**Subanoecia** Börner, 1952

Described as subgenus of *Anoecia* Koch, 1857.
Type species: *Schizoneura vagans* Koch, 1856; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Anoecia* Koch, 1857.

**Subcallipterus** Mordvilko, 1894

Publication reference: Raboty iz Laboratorii Zoologicheskago Kabineta Imperatorskago Varshavskago Universiteta, 8: 53.
Described as genus.
Type species: *Aphis alni* Fabricius, 1781; by original designation; junior synonym of *Aphis alni* De Geer, 1773.
Objective status: Available but invalid — Junior objective synonym of *Pterocallis* Passerini, 1860.

**Subcinara** Börner, 1949

Described as subgenus of *Cinara* Curtis, 1835.
Type species: *Cinara brauni* Börner, 1940; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Cinara* Curtis, 1835.
**Subiziphya** Quednau, 1990


Described as genus.

Type species: *Subiziphya clauseni* Quednau, 1990; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Saltusaphidinae Saltusaphidini.

**Sublachnobiuss** Heinze, 1962


Described as genus.

Type species: *Lachnus wichmanni* Hille Ris Lambers, 1956; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Lachnus* Burmeister, 1835.

**Submacrosiphon** Börner, 1952


Described as genus.

Type species: *Aphis hieracii* Kaltenbach, 1843; denoted by unjustified emendation (Article 67.8); replaced by *Submacrosiphum nigrum* Hille Ris Lambers, 1931.

Objective status: Available but invalid — Unjustified emendation & Junior objective synonym of *Submacrosiphum* Hille Ris Lambers, 1931.

**Submacrosiphum** Hille Ris Lambers, 1931


Described as genus.

Type species: *Aphis hieracii* Kaltenbach, 1843; by original designation; Replaced by *Submacrosiphum nigrum* Hille Ris Lambers, 1931.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Submacrosiphon* Börner, 1952.

Subjective status: Junior synonym of *Nasonovia* Mordvilko, 1914.

**Submegoura** Hille Ris Lambers, 1953

Publication reference: Temminckia, 9: 3.

Described as subgenus of *Rhopalosiphoninus* Baker (A.C.), 1920.
Type species: *Myzotoxoptera heikinheimoi* Börner, 1952; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.


**Subovatomyzus** Basu (A.N.), 1964


Described as genus.

Type species: *Subovatomyzus leucosceptri* Basu (A.N.), 1964; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Subsaltusaphis** Quednau, 1952


Described as genus.

Type species: *Saltusaphis intermedia* Hille Ris Lambers, 1939; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Name treated as a junior synonym of *Saltusaphis* Theobald, 1915 (Börner, over the Quednau’s proposition as genus) and consequently unavailable, but it was made available when it was adopted as the name of a genus (Quednau, 1953, Zoologischer Anzeiger, 150: 224).

Subjective status: Valid — Senior synonym of *Bacillaphis* Quednau, 1954.


**Subtakecallis** Raychaudhuri (D.N.) & Pal, 1974


Described as genus.

Type species: *Cranaphis pilosa* David, Rajasingh & Narayanan, 1970; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.
**Succaphis** Heie, 1967  
Publication reference: Spolia Zoologica Musei Hauniensis, 26: 110.  
Described as genus.  
Type species: *Succaphis holgeri* Heie, 1967; by original designation.  
Objective status: Available & potentially valid.  
Subjective status: Valid.  
Taxonomic position: Aphididae Pterastheniinae.

**Succinaphis** Heie, 1967  
Described as genus.  
Type species: *Succinaphis flavensgaardi* Heie, 1967; by original designation.  
Objective status: Available & potentially valid.  
Subjective status: Valid.  
Taxonomic position: Aphididae Eriosomatinae Pemphigini.

**Sumatraphis** Takahashi, 1935  
Described as genus.  
Type species: *Sumatraphis celti* Takahashi, 1935; by original designation.  
Objective status: Available & potentially valid.  
Subjective status: Valid.  
Taxonomic position: Aphididae Greenideinae Cervaphidini.

**Sumoia** Tao, 1963  
Described as genus.  
Type species: *Macrosiphum taiwanum* Takahashi, 1923; by original designation.  
Objective status: Available & potentially valid.  
Subjective status: Junior synonym of *Neomyzus* van der Goot, 1915.

**Sunaphis** Hong & Wang, 1990  
Described as genus.  
Type species: *Sunaphis shandongensis* Hong & Wang, 1990; by original designation.  
Objective status: Available & potentially valid.  
Subjective status: Valid.  
Taxonomic position: Aphididae Aphidinae.
Surcaudaphis Zhang (G.-x.), Chen, Zhong & Li, 1999


Described as genus.

Type species: Surcaudaphis supericauda Zhang (G.-x.), Chen, Zhong & Li, 1999; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of Tuberocephalus Shinji, 1929.

Swirskiaphis Hille Ris Lambers, 1966


Described as genus.

Type species: Swirskiaphis polychaeta Hille Ris Lambers, 1966; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

Sychnobrochus Scudder, 1890


Described as genus.

Type species: Sychnobrochus reviviscens Scudder, 1890; by monotypy; junior synonym of Schizoneuroides scudderi Buckton, 1883.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of Mindarus Koch, 1857.

Symydobius Mordvilko, 1894


Described as genus.

Type species: Aphis oblonga von Heyden, 1837; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of Yezocallis Matsumura, 1917.


Synthripaphis Quednau, 1954

Publication reference: Mitteilungen aus der Biologischen Zentralanstalt für Land- und Forstwirtschaft, 78: 38.

Described as genus.

Type species: Synthriaphis cyperi Quednau, 1954; by original designation &
application of the ICZN 11.10 & 67.13; Junior synonym of Callaphis caricis Mordvilko, 1921.

Objective status: Available & potentially valid.
Subjective status: Junior synonym of Thripsaphis Gillette, 1917.

**Szelegiewiczianna** Özdikem & Demir, 2007

Described as genus.

Type species: Mariaella lambersi Szelegiewicz, 1961; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid; Alternative original spelling adopted by the first reviser (Barbagallo, *in press*, 2010) instead of Szelegiewiczia Özdikem & Demir, 2007 which is unavailable (Articles 32.2.1 & 32.4).

Useful information about the objective status: Replacement name (*nomen novum*) for Mariaella Szelegiewicz, 1961.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Szelegiewicziella** Holman, 1974

Described as genus.

Type species: Szelegiewicziella chamaerhodi Holman, 1974; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

**Tactilotrama** Börner, 1952


Described as subgenus of Protrama Baker (A.C.), 1920.

Type species: Trama antennata Mordvilko, 1935; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of Neotrama Baker (A.C.), 1920.

**Taiwanaphis** Takahashi, 1934

Publication reference: Stylops, 3: 56.
Described as genus.

Type species: Taiwanaphis decaspermi Takahashi, 1934; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of Paracallipterus Raychaudhuri (D.N.) & Ghosh (A.K.), 1964.

Taiwanomyzus Tao, 1963
Described as genus.
Type species: Myzus montanus Takahashi, 1925; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

Takecallis Matsumura, 1917
Publication reference: Journal of the College of Agriculture, Tohoku Imperial University, 7: 373.
Described as genus.
Type species: Takecallis bambusae Matsumura, 1917; by original designation; junior synonym of Callipterus arundicolens Clarke, 1903.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

Tamalia Baker (A.C.), 1920
Described as genus.
Type species: Pemphigus coweni Cockerell, 1905; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Tamaliinae.

Taoia Quednau, 1973
Described as genus.
Type species: Euceraphis chuansiensis Tao, 1963; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Calaphidinae Calaphidini Calaphidina.
Tartaraphis Zhang (J.-f.), Zhang (S.), Hou & Ma, 1989
Described as genus.
Type species: Tartaraphis peregrina Zhang (J.-f.), Zhang (S.), Hou & Ma, 1989; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Sinaphididae.

Tauricaphis Mamontova, 1984
Described as genus.
Type species: Tauricaphis arabisi Mamontova, 1984; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

Tavaresiella Del Guercio, 1911
Described as genus.
Type species: Tavaresiella suberi Del Guercio, 1911; by monotypy.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of Thelaxes Westwood, 1840.

Telocallis Shinji, 1922
Described as genus.
Type species: Telocallis alnifoliae Shinji, 1922; by monotypy; junior synonym of Sappocallis ulmicola Matsumura, 1919.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of Sappocallis Matsumura, 1919.

Tenuilongiaphis Zhang (G.-x.), 1993
Described as genus.
Type species: Tenuilongiaphis stata Zhang (G.-x.) & Zhong, 1993; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of Sportaphis Zhang (G.-x.), Chen,

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Tenuisiphon** Mordvilko, 1948


Described as genus.

Type species: *Acyrthosiphon gossypii* Mordvilko, 1914; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Acyrthosiphon* Mordvilko, 1914.

**Tephraphis** Scudder, 1890


Described as genus.

Type species: *Siphonophoroides simplex* Buckton, 1890; by subsequent designation (Heie, 1967: 205).

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Siphonophoroides* Buckton, 1883.

**Tertiaphis** Heie, 1969


Described as genus.

Type species: *Tertiaphis haentzscheli* Heie, 1969; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lizeriinae.

**Testataphis** Börner, 1952


Described as genus.

Type species: *Amphorophora ledi* Wahlgren, 1938; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Neoamphorophora* Mason, 1924.

**Tetraneura** Hartig, 1841


Described as genus.

Type species: *Aphis gallarumulmi* De Geer, 1773; by subsequent monotypy (Kaltenbach, 1843: 189) [misppelled as *Aphis ulmi*]; junior synonym of *Aphis...
ulmi Linnaeus, 1758.

Objective status: Available & potentially valid.

Useful information about the objective status: Name placed in the Official Lists of Generic Names in Zoology [Opinion 1019; name number 2000]. Replacement name of Amycla Koch, 1857, and Byrsocrypta Hartig, 1841.

Subjective status: Valid — Senior synonym of Dryopeia Kirkaldy, 1904, and Endeis Koch, 1857.


**Tetraneurella** Hille Ris Lambers, 1970


Described as subgenus of Tetraneura Hartig, 1841.

Type species: Dryopeia hirsuta Baker (A.C.), 1921; by original designation; junior synonym of Schizoneura nigriabdominalis Sasaki, 1899.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Eriosomatini — Subgenus of Tetraneura Hartig, 1841.

**Tetraneurites** Heie, 2002


Described as genus.

Type species: Tetraneura provincialis Theobald, 1937; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Phyllaphidinae.

**Tetraphis** Horváth, 1896


Described as genus.

Type species: Tetraphis betulina Horváth, 1896; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of Hamamelistes Shimer, 1867.

**Thalictrophorus** Zhang (G.-x.) & Qiao, 2000


Described as genus.

Type species: Thalictrophorus thalictrophilus Zhang (G.-x.), Qiao & Zhao,
2000; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Thargelia** Oestlund, 1923

Described as genus.
Type species: *Aphis albipes* Oestlund, 1887; by original designation; junior synonym of *Aphis symphoricarpi* Thomas, 1878.
Objective status: Available but invalid — Junior homonym of *Thargelia* Puengelev, 1899 (Lepidoptera) and *Thargelia* Goodman & Salvin, 1900 (Lepidoptera).
Useful information about the objective status: Replaced by *Aphthargelia* Hottes, 1958 (*nomen novum*).

**Thecabius** Koch, 1857

Described as genus.
Type species: *Thecabius populneus* Koch, 1857; by monotypy; junior synonym of *Pemphigus affinis* Kaltenbach, 1843.
Objective status: Available & potentially valid.

**Thelaxes** Westwood, 1840

Described as genus.
Type species: *Thelaxes quercicola* Westwood, 1840; by monotypy; junior synonym of *Aphis dryophila* Schrank, 1801.
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of *Tavaresiella* Del Guercio, 1911.
Taxonomic position: Aphididae Thelaxinae.

**Thelazacallis** Zhang (G.-x.), 2000

Described as genus.
Type species: *Thelazacallis ranunculicola* Qiao & Zhang (G.-x.), 2000; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Thecabius* Koch, 1857.

**Theriaphis** Walker, 1870

Described as genus.
Type species: *Aphis ononidis* Kaltenbach, 1846; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.

**Thomasia** Wilson, 1910

Publication reference: Canadian Entomologist, 42: 386.
Described as genus.
Type species: *Chaitophorus populicola* Thomas, 1878; by original designation.
Objective status: Available but invalid — Junior homonym of *Thomasia* Poche, 1908 (Mammalia), and of *Thomasia* Rübsaamen, 1910 (Diptera).
Useful information about the objective status: Replaced by *Thomasiniellula* Strand, 1917 (*nomen novum*), and by *Neothomasia* Baker (A.C.), 1920 (*nomen novum*).

**Thomasiniellula** Strand, 1917

Described as genus.
Type species: *Chaitophorus populicola* Thomas, 1878; denoted by new replacement name (Article 67.8).
Objective status: Available & potentially valid.
Useful information about the objective status: Replacement name (*nomen novum*) for *Thomasia* Wilson, 1910. Senior objective synonym of *Neothomasia* Baker (A.C.), 1920.
Subjective status: Junior synonym of *Chaitophorus* Koch, 1854.

**Thoracaphis** van der Goot, 1917

Described as genus.
Type species: *Thoracaphis arboris* van der Goot, 1917; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of *Xenothoracaphis* Takahashi, 1958.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

**Thripsaphis** Gillette, 1917

Described as genus.
Type species: *Brachycolus ballii* Gillette, 1908; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of *Trichocallis* Börner, 1930, and *Synthripaphis* Quednau, 1954.


**Thuleaphis** Hille Ris Lambers, 1960

Described as genus.
Type species: *Thuleaphis acaudata* Hille Ris Lambers, 1960; by monotypy.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Mordvilkomemor* Shaposhnikov, 1950.

**Tiliaphis** Takahashi, 1961

Described as genus.
Type species: *Therioaphis shinae* Shinji, 1924; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

**Tiliphagus** Smith, 1965

Described as genus.
Type species: *Tiliphagus lycopusugus* Smith, 1965; by monotypy.
Objective status: Available & potentially valid.
Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.

**Tinocallis** Matsumura, 1919

Described as genus.
Type species: *Tinocallis ulmiparvifoliae* Matsumura, 1919; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Lutaphis* Shinji, 1924.


*Tinocalloides* Basu (A.N.), 1969


Described as genus.

Type species: *Tinocalloides montanus* Basu (A.N.), 1969; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Tuberdefectus* Kumar & Lavigne, 1970.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

*Titanosiphon* Nevsky, 1928


Described as genus.

Type species: *Titanosiphon bellicosum* Nevsky, 1928; by original designation; Junior synonym of *Macrosiphum neoartemisiae* Takahashi, 1921.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

*Tlja* Mordvilko, 1914


Described as genus.

Type species: *Siphonophora lactucae* Passerini, 1860; by subsequent designation (Mordvilko, 1932: 55).

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Acyrthosiphon* Mordvilko, 1914.

*Todolachnus* Matsumura, 1917

Publication reference: Journal of the College of Agriculture, Tohoku Imperial University, 7 (6): 381.

Described as genus.

Type species: *Todolachnus abietis* Matsumura, 1917; by original designation;
junior synonym of *Cinara matsumurana* Hille Ris Lambers, 1966.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Cinara* Curtis, 1835.

*Toltecallis* Remaudière & Quednau, 1983

Described as subgenus of *Tuberculatus* Mordvilko, 1894.
Type species: *Tuberculatus (Toltecallis) mexicanus* Remaudière & Quednau, 1983; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina — Subgenus of *Tuberculatus* Mordvilko, 1894.

*Toxoptera* Koch, 1856

Described as genus.
Type species: *Toxoptera aurantiae* Koch, 1856; by monotypy; junior synonym of *Aphis aurantii* Boyer de Fonscolombe, 1841.
Objective status: Available & potentially valid.
Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

*Toxopterella* Hille Ris Lambers, 1960

Publication reference: Canadian Entomologist, 92: 263.
Described as genus.
Type species: *Toxopterella canadensis* Hille Ris Lambers, 1960; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Muscaphis* Börner, 1933.

*Toxopterina* Börner, 1940

Publication reference: Neue Blattläuse aus Mitteleuropa: 3.
Described as genus.
Type species: *Toxoptera vangergooti* Börner, 1939; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.
Trachaphis Hong, 2002

Described as genus.
Type species: Trachaphis latipedis Hong, 2002; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Phloeomyzinae.

Trama von Heyden, 1837

Described as genus.
Type species: Trama troglodytes von Heyden, 1837; by monotypy.
Objective status: Available & potentially valid.
Subjective status: Valid.

Tramaforda Manheim, 2007

Described as genus.
Type species: Tramaforda wooli Manheim, 2007; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Eriosomatinae Fordini.

Tranaphis Walker, 1870

Described as genus.
Type species: Aphis salicivora Walker, 1848; by original designation; junior synonym of Aphis capreae Mosley, 1841.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of Chaitophorus Koch, 1854.

Tricaudatus Narzikulov, 1957

Described as genus.
Type species: Rhopalosiphoninus polygoni Narzikulov, 1957; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Trichaitophorus** Takahashi, 1937

Described as genus.
Type species: *Trichaitophorus aceris* Takahashi, 1937; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Chaitophorinae Chaitophorini.

**Trichocallis** Börner, 1930

Described as genus.
Type species: *Allaphis caricis* Mordvilko, 1921 [lectotypes designated by Quednau (2010: 77)]; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Thripsaphis* Gillette, 1917.

**Trichonaphis** Shinji, 1930

Publication reference: Lansania, 2: 73.
Described as genus.
Type species: There is none.
Objective status: Available & potentially valid.
Subjective status: Nomen dubium.
Taxonomic position: Aphididae Aphidinae Macrosiphini

**Trichoregma** Takahashi, 1929

Described as genus.
Type species: *Oregma bambusifoliae* Takahashi, 1921; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Astegopteryx* Karsch, 1890.

**Trichosiphonaphis** Takahashi, 1922

Described as genus.
Type species: *Myzus polygoniformosanus* Takahashi, 1921; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.

**Trichosiphoniella** Shinji, 1929

Publication reference: Lansania, 1: 46.
Described as genus.
Type species: *Aphis spinosula* Essig & Kuwana, 1918; by original designation; junior synonym of *Myzus sakurae* Matsumura, 1917.
Objective status: Available & potentially valid; Alternative original spelling adopted by the first reviser (Nieto Nafría, Favret, Akimoto, Barbagallo, Chakrabarti, Mier Durante, Miller, Pérez Hidalgo, Qiao, Sano, Stekolshchikov & Wegierek, 2009) instead of *Trichonosiphoniella* Shinji, 1929 and of *Trichonosiphuniella* Shinji, 1929 which are unavailable (Articles 32.2.1 & 32.4).
Subjective status: Junior synonym of *Tuberocephalus* Shinji, 1929.

**Trichosiphum** Pergande, 1906

Described as genus.
Type species: *Trichosiphum anona* Pergande, 1906; by subsequent designation (Wilson, 1910: 316).
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Greenideinae Greenideini — Subgenus of *Greenidea* Schouteden, 1905.

**Trifidaphis** Del Guercio, 1909

Publication reference: Rivista di Patologia Vegetale (Pavia), (N.S.), 3: 332.
Described as genus.
Type species: *Pemphigus radicicola* Essig, 1909; by original designation; junior synonym of *Smynthurodes betae* Westwood, 1849.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Smynthurodes* Westwood, 1849.

**Trilobaphis** Theobald, 1922

Described as genus.
Type species: *Trilobaphis caricis* Theobald, 1922; by original designation; junior synonym of *Vesiculaphis theobaldi* Takahashi, 1930.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Vesiculaphis* Del Guercio, 1911.

**Trinacriella** Del Guercio, 1914

- Publication reference: Redia, 9 [1913]: 169.
- Described as genus.
- Type species: *Trinacriella magnifica* Del Guercio, 1913; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Junior synonym of *Geoica* Hart, 1894.

**Triocula** Rusanova, 1943

- Described as genus.
- Type species: *Triocula distorta* Rusanova, 1943; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Nomen dubium.
- Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Triphyllaphis** Börner, 1949

- Described as genus.
- Type species: *Triphyllaphis luteola* Börner, 1949; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Junior synonym of *Pterocallidium* Börner, 1949.

**Tritogenaphis** Oestlund, 1923

- Described as genus.
- Type species: *Aphis rudbeckiae* Fitch, 1851; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Junior synonym of *Uroleucon* Mordvilko, 1914.

**Tritrichosiphum** Robinson, 1972

- Described as genus.
- Type species: *Tritrichosiphum thailandicum* Robinson, 1972; by original designation.
- Objective status: Available & potentially valid.
- Subjective status: Valid.
- Taxonomic position: Aphididae Greenideinae Greenideini.
Truncaphis Theobald, 1918
Described as genus.
Type species: Truncaphis newsteadi Theobald, 1918; by monotypy; junior synonym of Byrsocrypta rhois Fitch, 1866.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of Melaphis Walsh, 1867.

Tshernovaia Holman & Szelegiewicz, 1964
Described as genus.
Type species: Tshernovaia adenophorae Holman & Szelegiewicz, 1964; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

Tsugaphis Takahashi, 1967
Described as genus.
Type species: Tsugaphis sorini Takahashi, 1957; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Hormaphidinae Cerataphidini.

Tubaphis Hille Ris Lambers, 1947
Described as genus.
Type species: Aphis ranunculina Walker, 1852; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

Tuberaphis Takahashi, 1933
Publication reference: Stylops, 2: 27.
Described as genus.
Type species: Tuberaphis coreanus Takahashi, 1933; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of Hamiltonaphis Aoki, Kurosu

Taxonomic position: Aphididae Hormaphidinae Cerataphidini.

Tuberculaminatus Ivanovskaja, 1975


Described as genus.

Type species: Tuberculaminatus zolotarenkoi Ivanovskaja, 1975; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of Staticobium Mordvilko, 1914.

Tuberculaphis Börner, 1952


Described as subgenus of Toxopterina Börner, 1940.

Type species: Doralina taraxacicola Börner, 1940; by original designation.

Objective status: Available but invalid — Junior homonym of Tuberculaphis Theobald, 1918.

Useful information about the objective status: Replaced by Papillaphis Börner, 1952 (nomen novum).

Tuberculaphis Theobald, 1918


Described as genus.

Type species: There is none.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior homonym of Tuberculaphis Börner, 1952.

Subjective status: Nomen dubium.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

Tuberculatus Mordvilko, 1894

Publication reference: Raboty iz Laboratorii Zoologicheskago Kabineta Imperatorskago Varshavskago Universiteta, 8: 60.

Described as genus.

Type species: Aphis quercea Kaltenbach, 1843; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid. Senior synonym of Camelaphis Hille Ris Lambers, 1974
Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina

Tuberculoides van der Goot, 1915
Type species: Aphis quercus Kaltenbach, 1843; by original designation; junior synonym of Aphis annulata Hartig, 1841.
Objective status: Available & potentially valid; Alternative original spelling adopted by the first reviser (Nieto Nafría, Favret, Akimoto, Barbagallo, Chakrabarti, Mier Durante, Miller, Pérez Hidalgo, Qiao, Sano, Stekolshchikov & Wegierek, 2009) instead of Neotuberculatus van der Goot, 1915 which is unavailable (Articles 32.2.1 & 32.4).
Subjective status: Valid.
Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina — Subgenus of Tuberculatus Mordvilko, 1894.

Tuberdefectus Kumar & Lavigne, 1970
Type species: Tuberdefectus eastopi Kumar & Lavigne, 1970; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of Tinocalloides Basu (A.N.), 1969.

Tuberoaphis Tseng & Tao, 1938
Publication reference: Journal of Western China Border Research Society, 8: 207. Described as genus.
Type species: Tuberoaphis hydrangeae Tseng & Tao, 1938; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

Tuberocallis Nevsky, 1929
Type species: *Tuberocallis saltans* Nevsky, 1929; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Sappocallis* Matsumura, 1919.

**Tuberocephalus** Shinji, 1929
Described as genus.
Type species: *Tuberocephalus artemisiae* Shinji, 1929; by original designation.
Objective status: Available & potentially valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Tuberocorpus** Shinji, 1929
Described as genus.
Type species: *Anoecia onigurumi* Shinji, 1923; by original designation.
Objective status: Available & potentially valid.
Useful information about the objective status: Senior homonym of *Tuberocorpus* Shinji, 1932.
Subjective status: Junior synonym of *Kurisakia* Takahashi, 1924.

**Tuberocorpus** Shinji, 1932
Publication reference: Ōyō Dōbutsugaku Zasshi, 4: 120.
Described as genus.
Type species: *Tuberocorpus onigurumi* Shinji, 1932; by original designation; junior synonym of *Glyphina rhusae* Shinji, 1922.
Objective status: Available but invalid — Junior homonym of *Tuberocorpus* Shinji, 1929.
Useful information about the objective status: Replaced by *Dasyaphis* Takahashi, 1938 (*nomen novum*).

**Tuberodryobius** Das (B.), 1918
Described as genus.
Type species: *Lachnus persicae* Cholodkovsky, 1899; by original designation.
Objective status: Available but invalid — Junior objective synonym of *Pterochloroides* Mordvilko, 1914.

**Tuberolachniella** Hille Ris Lambers & Basu (A.N.), 1966
Publication reference: Entomologische Berichten [Amsterdam], 26: 34.
Described as subgenus of *Tuberolachnus* Mordvilko, 1909.

Type species: *Tuberolachnus (Tuberolachniella) sclerata* Hille Ris Lambers & Basu (A.N.), 1966; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.


**Tuberolachnus** Mordvilko, 1909

Publication reference: Ezhegodnik Zoologicheskago Muzeya Imperatorskoiy Akademii Nauk, 13 (4) [1908]: 374.

Described as genus.

Type species: *Aphis viminalis* Boyer de Fonscolombe, 1841; by original designation; junior synonym of *Aphis saligna* Gmelin, 1790.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lachninae Lachnini — With subgenera *Tuberolachnus* and *Tuberolachniella* Hille Ris Lambers & Basu (A.N.), 1966.

**Tuberosiphum** Shinji, 1922


Described as genus.

Type species: *Tuberosiphum impatiens* Shinji, 1922; by subsequent designation (Takahashi, 1930: 15).

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Impatientinum* Mordvilko, 1914.

**Tubicauda** Chakrabarti & Bhattacharya, 1982


Described as genus.

Type species: *Tubicauda hydrangeae* Chakrabarti & Bhattacharya, 1982; by original designation.

Objective status: Available but invalid — Junior homonym of *Tubicauda* Jousseame, 1880 (Mollusca).

Useful information about the objective status: Replaced by *Chakrabartiaphis* Remaudiere, 2001 (*nomen novum*).

**Tullgrenia** van der Goot, 1912


Described as genus.

Type species: *Tychea phaseoli* Passerini, 1860; by original designation; junior synonym of *Smynthurodes betae* Westwood, 1849.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of Smynthurodes Westwood, 1849.

**Tumoranuraphis** Zhang (G.-x.), Chen, Zhong & Li, 1999


Described as genus.

Type species: *Tumoranuraphis cerasophila* Zhang (G.-x.), Chen, Zhong & Li, 1999; by original designation; Junior synonym of *Avecinnina indica* Chakrabarti & Maity, 1957.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Turanaphis** Mordvilko, 1914


Described as genus.

Type species: There is none.

Objective status: Available & potentially valid.

Subjective status: Nomen nudum (Possible junior synonym of *Staticobium* Mordvilko, 1914).

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Turanoeleucon** Kadyrbekov, 2002

Publication reference: Tethys Entomological Research, 6: 33.

Described as genus.

Type species: *Turanoeleucon mitjaevi* Kadyrbekov, 2002; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Tychea** Koch, 1857


Described as genus.

Type species: *Tychea graminis* Koch, 1857; by subsequent designation (Wilson, 1910: 155).

Objective status: Available & potentially valid.

Subjective status: Nomen dubium [an aphid or a cocid].

**Tycheoides** Schouteden, 1906

Publication reference: Mémoires de la Société Entomologique de Belgique, 12:
194.
Described as genus.
Type species: *Tetraneura lentisci* Passerini, 1856; by monotypy & actuation of Nieto Nafria *et al.* (2010: 67) under the Article 70.3.2 of the ICZN.
Objective status: Available but invalid — Junior objective synonym of *Aploneura* Passerini, 1863.
Useful information about the objective status: Replacement name of *Neorhizobius* Del Guercio, 1917. Senior objective synonym of *Tycheoides* Schouteden, 1906.

**Uhlmannia** Börner, 1952

Described as genus.
Type species: *Brachycolus singularis* Börner, 1950; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Uichancoella** Calilung, 1975

Described as genus.
Type species: *Uichancoella gabrieli* Calilung, 1975; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Eriosomatinae Pemphigini.

**Umbelliferaria** Shaposhnikov, 1964

Publication reference: Bei Bienko [Ed.], Opredelitel’ nasekomykh evropeyskoy chasti SSSR, 1: 582.
Described as subgenus of *Dysaphis* Börner, 1931.
Type species: *Yezabura aizenbergi* Shaposhnikov, 1949; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Dysaphis* Börner, 1931.

**Unilachnus** Wilson, 1919

Described as genus.
Type species: *Lachnus parvus* Wilson, 1915; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Schizolachnus* Mordvilko, 1909.

**Unipterus** Hall, 1932

Described as genus.
Type species: *Unipterus terminaliae* Hall, 1932; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Paoliella* Theobald, 1928.

**Unisitobion** Takahashi, 1961

Described as genus.
Type species: *Macrosiphum sorbi* Matsumura, 1918; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.

**Uraphis** Del Guercio, 1907

Described as genus.
Type species: *Aphis genistae* Kaltenbach, 1843; by original designation.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

**Uroleucon** Mordvilko, 1914

Described as subgenus of *Macrosiphum* Passerini, 1860.
Type species: *Aphis sonchi* Linnaeus, 1767; by subsequent designation (Börner, 1930: 141).
Objective status: Available & potentially valid.
Useful information about the objective status: Senior objective synonym of *Megalosiphum* Mordvilko, 1914.
Subjective status: Valid — Senior synonym of *Eurythaphis* Mordvilko, 1914, and *Tritogenaphis* Oestlund, 1923; *Dactynotus* Rafinesque, 1818 was used in a similar taxonomic sense of this genus.
**Uromelan** Mordvilko, 1914

Described as subgenus of *Macrosiphum* Passerini, 1860.
Type species: *Aphis jaceae* Linnaeus, 1758; by subsequent designation (Hille Ris Lambers, 1939: 3).
Objective status: Available & potentially valid.
Subjective status: Valid.

**Utamphorophora** Knowlton, 1946

Described as genus.
Type species: *Utamphorophora timpanogos* Knowlton, 1946; by original designation; junior synonym of *Myzus humboldti* Essig, 1941.
Objective status: Available & potentially valid.
Subjective status: Valid — Senior synonym of *Sitomyzus* Hille Ris Lambers, 1952.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Verrucosa** Poinar & Brown, 2005

Described as genus.
Type species: *Verrucosa annulata* Poinar & Brown, 2005; by original designation.
Useful information about the objective status: Replaced by *Parvaverrucosa* Poinar & Brown, 2006 (*nomen novum*).

**Vesiculaphis** Del Guercio, 1911

Described as genus.
Type species: *Toxoptera caricis* Fullaway, 1909; by original designation.
Objective status: Available & potentially valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.
**Viburnaphis** Pashchenko, 1988

Publication reference: Zoologicheskii Zhurnal, 67 (10): 1580.

Described as genus.

Type species: *Viburnaphis pseudosensoriata* Pashchenko, 1988; by original designation; junior synonym of *Sappaphis viburnicola* Sorin, 1983.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Vitimaphis** Shaposhnikov & Wegierek, 1989

Publication reference: Paleontologicheskiy Zhurnal, 3: 47.

Described as genus.

Type species: *Vitimaphis rasnitsyni* Shaposhnikov & Wegierek, 1989; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Oviparosiphidae.

**Volutaphis** Börner, 1939


Described as subgenus of *Lipaphis* Mordvilko, 1928.

Type species: *Lipaphis (Volutaphis) centaureae* Börner, 1939; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Silenobium* Börner, 1939.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Wahlgreniella** Hille Ris Lambers, 1949

Publication reference: Temminckia, 8: 246.

Described as genus.

Type species: *Rhopalosiphum arbuti* Davidson, 1910; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Wanyucallis** Quednau, 1999

Publication reference: Contributions of the American Entomological Institute, 31: 54.

Described as genus.

Type species: *Myzocallis amblyopappos* Zhang (W.-y.) & Zhang (G.-x.), 1994;
by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina.

**Wapuna** Hottes & Wehrle, 1951

Described as subgenus of *Aphis* Linnaeus, 1758.
Type species: *Aphis (Wapuna) tahosalea* Hottes & Wehrle, 1951; by original designation; Junior synonym of *Aphis sedi* Kaltenbach, 1843.
Objective status: Available & potentially valid.
Subjective status: Available & potentially valid.

**Watabura** Matsumura, 1917

Described as genus.
Type species: *Watabura nishiyae* Matsumura, 1917; by original designation.
Objective status: Available & potentially valid; Alternative original spelling adopted by the first reviser (Nieto Nafriá, Favret, Akimoto, Barbagallo, Chakrabarti, Mier Durante, Miller, Pérez Hidalgo, Qiao, Sano, Stekolshchikov & Wegierek, 2009) instead of *Watamushia* Matsumura, 1917 which is unavailable (Articles 32.2.1 & 32.4).
Subjective status: Nomen dubium.
Taxonomic position: Aphididae Eriosomatinae.

**Weibanaphis** Zhang (G.-x.), Chen, Zhong & Li, 1999

Described as genus.
Type species: *Weibanaphis alhagis* Zhang (G.-x.), Chen, Zhong & Li, 1999; by original designation.
Objective status: Available & potentially valid.
Subjective status: Available & potentially valid.

**Wilsonia** Baker (A.C.), 1919

Publication reference: Canadian Entomologist, 51: 212.
Described as genus.
Type species: *Lachniella gracilis* Wilson, 1919; by original designation.
Objective status: Available but invalid — Junior homonym of *Wilsonia* Bonaparte, 1838 (Aves), of *Wilsonia* Clemens, 1864 (Lepidoptera), of *Wilsonia*
Kayser, 1871 (Brachiopoda), of Wilsonia Carter, 1885 (Porifera) and of Wilsonia Hudleston, 1896 (Mollusca).
Useful information about the objective status: Replaced by Dilachnus Baker (A.C.), 1919 (nomen novum).

**Xanthomyzus** Narzikulov, 1966

Described as genus.
Type species: *Xanthomyzus glaucii* Narzikulov, 1966; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.

**Xenomyzus** Aizenberg, 1935

Publication reference: Zapiski Bolchevskoy Biologicheskoy Stanzii, 7-8: 152.
Described as genus.
Type species: *Xenomyzus corticis* Aizenberg, 1935; by original designation.
Objective status: Available & potentially valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Trichosiphonaphis* Takahashi, 1922.

**Xenopterygus** Smith, 1948

Described as genus.
Type species: *Xenopterygus ipomoae* Smith, 1948; by original designation; junior synonym of *Geoica floccosa* Moreira, 1925.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Geopemphigus* Hille Ris Lambers, 1933.

**Xenosiphonaphis** Takahashi, 1961

Described as genus.
Type species: *Xenosiphonaphis conandri* Takahashi, 1961; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.
**Xenothoracaphis** Takahashi, 1958  
Publication reference: Kontyū, 26: 184.  
Described as genus.  
Type species: *Thoracaphis kashifoliae* Uye, 1924; by original designation [misspelled as *kashiwae*].  
Objective status: Available & potentially valid.  
Subjective status: Junior synonym of *Thoracaphis* van der Goot, 1917.

**Xerobion** Nevsky, 1928  
Described as genus.  
Type species: *Xerobion eriosomatinum* Nevsky, 1928; by original designation.  
Objective status: Available & potentially valid.  
Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

**Xerophilaphis** Nevsky, 1928  
Described as genus.  
Type species: *Xerophilaphis saxaulica* Nevsky, 1928; by original designation.  
Objective status: Available & potentially valid.  
Subjective status: Valid.  
Taxonomic position: Aphididae Aphidinae Aphidini Aphidina — Subgenus of *Brachyunguis* Das (B.), 1918.

**Xilutianocallis** Wang, 1991  
Described as genus.  
Type species: *Xilutianocallis yangi* Wang, 1991; by original designation.  
Objective status: Available & potentially valid.  
Subjective status: Valid.  
Taxonomic position: Aphididae (Drepanosiphidae sensu Heie complex).

**Yamataphis** Matsumura, 1917  
Publication reference: Journal of the College of Agriculture, Tohoku Imperial University, 7: 412.  
Described as genus.  
Type species: *Yamataphis oryzae* Matsumura, 1917; by original designation; junior synonym of *Toxoptera ruftiabdominalis* Sasaki, 1899.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Rhopalosiphum* Koch, 1854.

**Yamatocallis** Matsumura, 1917

Publication reference: Journal of the College of Agriculture, Tohoku Imperial University, 7: 366.

Described as genus.
Type species: *Yamatocallis hirayamae* Matsumura, 1917; by original designation.

Objective status: Available & potentially valid.

Taxonomic position: Aphididae Drepanosiphinae.

**Yamatochaitophorus** Higuchi, 1972

Publication reference: Insecta Matsumurana, 35: 98.

Described as genus.
Type species: *Trichaitophorus albus* Takahashi, 1961; by original designation.

Objective status: Available & potentially valid.
Subjective status: Valid.

Taxonomic position: Aphididae Chaitophorinae Chaitophorini.

**Yezabura** Matsumura, 1917

Publication reference: Journal of the College of Agriculture, Tohoku Imperial University, 7: 392.

Described as genus.
Type species: *Yezabura sasae* Matsumura, 1917; by original designation; junior synonym of *Aphis bambusae* Fullaway, 1910.

Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Melanaphis* van der Goot, 1917.

**Yezaphis** Matsumura, 1917

Publication reference: Journal of the College of Agriculture, Tohoku Imperial University, 7: 411.

Described as genus.
Type species: *Yezaphis sasicola* Matsumura, 1917; by original designation; junior synonym of *Aphis bambusae* Fullaway, 1910.

Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Melanaphis* van der Goot, 1917.

**Yezocallis** Matsumura, 1917

Publication reference: Journal of the College of Agriculture, Tohoku Imperial University, 7: 404.
University, 7: 369.
Described as genus.
Type species: *Yezocallis kabae* Matsumura, 1917; by original designation.
Objective status: Available & potentially valid.
Useful information about the objective status: Senior objective synonym of *Antisymydobius* Qiao & Zhang (G.-x.), 2002.
Subjective status: Junior synonym of *Symydobius* Mordvilko, 1894.

**Yezosiphum** Matsumura, 1919
Described as genus.
Type species: *Yezosiphum thalictri* Matsumura, 1919; by original designation; junior synonym of *Aphis trirhoda* Walker, 1849.
Objective status: Available & potentially valid.
Subjective status: Junior synonym of *Longicaudus* van der Goot, 1913.

**Yueaphis** Wang, 1993
Described as genus.
Type species: *Yueaphis fushunensis* Wang, 1993; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Hormaphidinae.

**Zelkovaphis** Barbagallo, 2002
Described as genus.
Type species: *Zelkovaphis trinacriae* Barbagallo, 2002; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Eriosomatinae Eriosomatini.

**Zinia** Shaposhnikov, 1950
Described as genus.
Type species: *Zinia veronicae* Shaposhnikov, 1950; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.
Zymus Heie, 1972
Described as genus.
Type species: Zymus succinicola Heie, 1972; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Drepanosiphinae.

Zyxaphis Knowlton, 1947
Described as genus.
Type species: Zyxaphis utahensis Knowlton, 1947; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Aphidini Aphidina — Subgenus of Aphis Linnaeus, 1758.
UNAVAILABLE NAMES / NOMBRES INDISPONIBLES

Cause of unavailability: Established after 1930 without type species (Article 13.3).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Acerifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 479).
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Aegopodaphis** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 479).
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Allomyzus** Takahashi, 1965 (Insecta Matsumurana, 28 (1): 31).
Cause of unavailability: Established after 1930 without type species (Article 13.3).

Cause of unavailability: Original spelling substituted with *Allotrichosiphum* Takahashi, 1962, spelling in frequent use and attributed to the author in the original work (Article 33.3.1).

**Ammiaphis** Börner, 1944 (Aphidoidea, Blattläuse. Fauna von Deutchsland. 5 Auflage (Brohmer ed.): 216).
Cause of unavailability: Established after 1930 without type species (Article 13.3); see *Ammiaphis* Börner, 1952.

**Amrhopalosiphunicus** Shinji, 1933 (Kontyû, 7: 270).
Cause of unavailability: Established after 1930 without text description (Article 13.1) and without type species (Article 13.3); sometimes considered synonym of *Rhopalosiphoninus* Baker (A.C.), 1920.

Cause of unavailability: Established after 1930 without text description (Article 13.1); sometimes considered a synonym of *Nectarosiphon* Schouteden, 1901.

Annaja Börner, 1952 (Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gesellschaft, Beihäft 3 (1): 249) [as subgenus of *Yezabura* Matsumura, 1917].

Cause of unavailability: Established after 1930 without text description (Article 13.1); sometimes considered a synonym of *Dysaphis* Börner, 1951.


Cause of unavailability: Unpublished name (Articles 8.1.1 & 9.9).

Arthromyzus Börner, 1950 (Neue Europäische Blattlausarten: 12) [as subgenus of *Hyperomyzus* Börner, 1933].

Cause of unavailability: Established after 1930 without type species (Article 13.3).

Aspidophorodon Verma, 1965 (Science as Culture, 31: 389).

Cause of unavailability: Established after 1930 without text description (Article 13.1).


Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).


Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).


Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).


Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Callaphis Mordvilko, 1908 (Biologische Centralblatt, 39 (3):102).

Cause of unavailability: Established before 1931 without text description or idication (Article 12.1) and without available included species (Article 12.2.5).

Cause of unavailability: Established before 1931 without text description or indication (Article 12.1) and without available included species (Article 12.2.5)

Carazzia Del Guercio, 1930 (Redia, 19: 500).

Cause of unavailability: Established in synonymy (Article 11.5) with Clavisiphon Del Guercio, 1930.

Caricobium Aizenberg, 1954 (Novye dannye po sistematike i faune tley. Avtoreferat dissertacii na soiskanie uchenoy stepeni kandidata biologicheskikh nauk: 8).

Cause of unavailability: Unpublished name (Articles 8.1.1 & 9.9).


Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).


Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).


Cause of unavailability: Established in synonymy (Article 11.5) with Hoplochaitophorus Granovsky, 1933.


Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).


Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).


Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).


Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Idiovatus Börner, 1944 (Brohmer [Ed.], Fauna von Deutschsland. 5 Auflage: 217).
Cause of unavailability: Established after 1930 without type species (Article 13.3).

Iziphyopsis Börner, 1944 (Brohmer [Ed.], Fauna von Deutschsland. 5 Auflage: 214).
Cause of unavailability: Established after 1930 without type species (Article 13.3).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Judenkoa Hille Ris Lambers, 1946 (Alta & van Leeuwen, Gallenboek, Nederlandse zoöceciën door dieren veroorzaakte gallen: 158).
Cause of unavailability: Established after 1930 without text description (Article 13.1); see Judenkoa Hille Ris Lambers, 1953.

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Lachnodaphis** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 483).
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Mecynaphis** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 480).
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Melanosiphon** Börner, 1944 (Brohmer [Ed.], Fauna von Deutchsland. 5 Auflage: 217).
Cause of unavailability: Established after 1930 without type species (Article 13.3).

**Myzaegirus** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 479).
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Cause of unavailability: Established after 1930 without text description (Article 13.1).

**Myzosiphon** Hille Ris Lambers, 1946 (Alta & van Leeuwe, Gallenboek. Nederlandse Zoöcecidiën door dieren veroorzaakte Gallen: 244).
Cause of unavailability: Established after 1930 without text description (Article 13.1); sometimes considered a subgenus of *Rhopalosiphoninus* Baker (A.C.), 1920, with a taxonomic sense as *Neorhopalosiphoninus* Ghosh (A.K.) & Raychaudhuri (D.N.), 1968.

**Neocalaphis** Shinji, 1927 (Bulletin of the Morioka Imperial College of Agriculture and Forestry, 11: 28).
Cause of unavailability: Established in synonymy (Article 11.5) with *Chromaphis* Walker, 1870.

**Neocinaria** Pašek, 1966 (Pintera, Acta Entomologica Bohemoslovaca, 63 (4): 282 [as subgenus of *Cinara* Curtis, 1835]).
Cause of unavailability: Established after 1930 without text description (Article 13.1).

**Neotuberculatus** van der Goot, 1915 (Beiträge zur Kenntnis der Holländischen Blattläuse: 567).
Cause of unavailability: Alternative original spelling not adopted by the first reviser (Article 19.3); *Tuberculoides* van der Goot, 1915 is the adopted alternative original spelling.

**Nevskia** Mordvilko, 1932 (Trudy po Zashchite Rasteniy, (Ser. Entomologiya), 5: 236).
Cause of unavailability: Established after 1930 without text description (Article 13.1); sometimes considered synonym of *Melanaphis* van der Goot, 1917.

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Ovatopsis Aizenberg, 1954 (Novye dannye po sistematike i faune tley. Avtoreferat dissertacji na soiskanie uchenoy stepeni kandidata biologicheskikh nauk: 9).
Cause of unavailability: Unpublished name (Articles 8.1.1 & 9.9).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).


Cause of unavailability: Established after 1930 without text description (Article 13.1).

Pharalis Leach, 1826 (Risso, Histoire Naturelle des Principales Productions Méridionales. 5: 217).
Cause of unavailability: Established before 1931 without description or indication (Article 12.1).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Cause of unavailability: No consistent application of binominal nomenclature
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Pseudacaudella Börner, 1944 (Brohmer [Ed.], Fauna von Deutchland. 5 Auflage: 216).
Cause of unavailability: Established after 1930 without type species (Article 13.3); see Pseudacaudella Börner, 1950.


Cause of unavailability: Established after 1930 without text description (Article 13.1).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Rhopalomyzus Börner, 1950 (Neue Europäische Blattlausarten: 12) [as subgenus of Hyperomyzus Börner, 1933].
Cause of unavailability: Established after 1930 without type species (Article 13.3).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).


Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Salicetifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 479).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Salicifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 480).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Sambucifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 477).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Scolymaphis** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 479).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Serratulifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 475).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Shaposhnikovia** Aizenberg, 1954 (Novye dannye po sistematike i faune tley. Avtoreferat dissertacii na soiskanie uchenoy stepeni kandidata biologicheskih nauk: 9).

Cause of unavailability: Unpublished name (Articles 8.1.1 & 9.9).

**Sitobium** Mordvilko, 1919 (Fauna Rossii i sopredel’nyh stran. Nasekomye poluzestkokrylye, 1 (1): 65).

Cause of unavailability: Original spelling substituted with *Sitobion* Mordvilko, 1914, spelling in frequent use and attributed to the author in the original work (Article 33.3.1).

**Solidaginifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 475).

Cause of unavailability: No consistent application of binominal nomenclature
(Article 11.4).

**Sonchifes** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 475).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Styletaphis** Knowlton, 1972 (Utah Agricultural Experiment Station Mimeograph Series, 164: 6).

Cause of unavailability: Established after 1930 without text description (Article 13.1).


Cause of unavailability: Alternative original spelling not adopted by the first reviser (Article 19.3); *Szelegiewicziana* Özdikem & Demir, 2007 is the adopted alternative original spelling.


Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).


Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Toxares** Williams, 1891 (University of Nebraska Department of Entomology Special Bulletin 1: 26).

Cause of unavailability: Established before 1931 without description or indication (Article 12.1).


Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).


Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).


Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Trichonosiphoniella** Shinji, 1929 (Lansania, 1: 46).

Cause of unavailability: Alternative original spelling not adopted by the
first reviser (Article 19.3); Trichosiphoniella Shinji, 1929 is the adopted alternative original spelling.

Trichonosiphuniella Shinji, 1929 (Lansania, 1: 41).
Cause of unavailability: Alternative original spelling not adopted by the first reviser (Article 19.3); Trichosiphoniella Shinji, 1929 is the adopted alternative original spelling.

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Ussuraphis Mordvilko, 1924 (Doklady Rossiyskoyi Akademii Sel’skohozaystvennykh Nauk, 1924: 49).
Cause of unavailability: Established before 1931 without description or indication (Article 12.1).

Uzbekaphis Mordvilko, 1929 (Trudy Otdela Prikladnoy Entomologii Gosudarstvennogo Instituta Opytnoy Agronomii, 14: 83).
Cause of unavailability: Established before 1931 without description or indication (Article 12.1).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Cause of unavailability: Alternative original spelling not adopted by the first reviser (Article 19.3); Watabura Matsumura, 1917 is the adopted alternative original spelling.

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
Zabapaphis Richards, 1971 (Memoirs of the Entomological Society of Canada, 80: 93, legend to figure).

Cause of unavailability: Established in synonymy (Article 11.5) with *Peltaphis* Frison & Ross, 1933.
ADDED IN PROOFS / AÑADIDO EN LAS PRUEBAS

**Gredinia** Pashchenko, 2000

Described as genus.
Type species: *Gredinia pilosotuba* Pashchenko, 2000; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

**Rostratusaphis** Fang & Qiao, 2009

Described as genus.
Type species: *Rostratusaphis rhododendronitos* Fang & Qiao, 2009; by original designation.
Objective status: Available & potentially valid.
Subjective status: Valid.
Taxonomic position: Aphididae Aphidinae Macrosiphini.

*Gredinia* (Elena Pavlovna) Gredin(a) [Russian aphidologist] + -ia Feminine

*Rostratusaphis* Latin rostr(um) ‘beak’ ‘rostrum’ + Latin –ātus ‘with’ + Aphis Feminine

The inclusion of *Gredinia* Pashchenko and *Rostratusaphis* Fang & Qiao raises the total number of established genus-group names to 1,332, of which 1,222 are available. Of these, 1,113 are objectively valid and 775 are subjectively valid.

Con esta adición los géneros establecidos son 1332, los disponibles, 1222, y los válidos objetivos y subjetivos son, respectivamente, 1113 y 775.