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## A taxonomic list of the Old World genera in the subfamily Hesperinae (Hesperiidae) arranged into tribes

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**ABSTRACT.** A taxonomic list of valid genera in the subfamily Hesperinae from the Old World assigned to tribes is provided. This list is based on phylogenetic analysis of genomic sequence data complemented by morphological considerations. As a result, there are no *incertae sedis* non-fossil genera in the family Hesperiidae.

**Keywords:** taxonomy, classification, genomics, phylogeny, biodiversity.

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Here, we summarize tribal assignment for the Old World Hesperinae Latreille, 1809 genera currently regarded as valid (Lees et al. 2003; Warren et al. 2008; Warren et al. 2009; Fan et al. 2016; Toussaint et al. 2018; Cong et al. 2019; Huang et al. 2019; Jiang et al. 2019; Li et al. 2019b; Zhang et al. 2022), with comments about several others. No changes to nomenclature or synonymy are proposed. These results are not new but are mostly scattered throughout our previous publications (Cong et al. 2019; Li et al. 2019a; Zhang et al. 2019; Zhang et al. 2022) and are catalogued here for convenience. The following treatment is deduced from the genomic tree shown in Fig. 1 based on our previously published datasets (Zhang et al. 2022), complemented with morphological considerations. The methods used are detailed in Li (2019a) for experimental work and data processing and in Zhang et al. (2022) for phylogenetic tree construction. Twelve tribes are ordered phylogenetically. Genera are listed alphabetically within each tribe to facilitate visual search. We conclude that presently there are no *incertae sedis* non-fossil genera in the entire family Hesperiidae because all genera have been assigned to tribes. All tribes are monophyletic in our analyses.

Family **Hesperiidae** Latreille, 1809

Subfamily **Hesperinae** Latreille, 1809

Tribe **Aeromachini** Tutt, 1906

*Aeromachus* Nicéville, 1890

*Ampittia* Moore, 1881

*Arnetta* Watson, 1893

*Baracus* Moore, 1881

*Creteus* Nicéville, 1895

*Halpe* Moore, 1878

*Halpemorpha* Huang, Fan & Chiba, 2019

*Lepella* Evans, 1937

*Onryza* Watson, 1893  
*Pedesta* Hemming, 1934  
*Pithauria* Moore, 1878  
*Praethoressa* Huang, Chiba & Fan, 2019  
*Prosopalpus* Holland, 1896  
*Sebastonyma* Watson, 1893  
(includes *Parasovia* Devyatkin, 1996)  
*Sovia* Evans, 1949  
*Thoressa* Swinhoe, 1913

**Tribe Ceratrichiini** Grishin, 2019

*Argemma* Grishin, 2019  
*Ceratrichia* Butler, 1870  
*Herila* Larsen & Collins, 2012  
*Meza* Hemming, 1939  
*Pardaleodes* Butler, 1870  
(includes *Ankola* Evans, 1937)

**Tribe Astictopterini** Swinhoe, 1912

*Acada* Evans, 1937  
*Acleros* Mabilie, 1885  
*Actinor* Watson, 1893  
*Andronymus* Holland, 1896  
*Artitropa* Holland, 1896  
*Astictopterus* C. Felder & R. Felder, 1860  
*Caenides* Holland, 1896  
*Ceratricula* Larsen, 2013  
*Chondrolepis* Mabilie, 1904  
*Cupitha* Moore, 1884  
*Dotta* Grishin, 2019  
*Eogenes* Mabilie, 1909  
*Flandria* Larsen, 2013  
*Fresna* Evans, 1937  
*Fulda* Evans, 1937  
*Galerga* Mabilie, 1898  
*Gamia* Holland, 1896  
*Gorgyra* Holland, 1896  
*Gyrogra* Lindsey & Miller, 1965  
*Hidari* Distant, 1886  
*Hollandus* Larsen & Collins, 2015  
*Hypoleucis* Mabilie, 1891  
*Isoteinon* C. Felder & R. Felder, 1862  
*Kedestes* Watson, 1893  
*Lennia* Grishin, 2022  
*Leona* Evans, 1937  
*Lissia* Grishin, 2019  
*Melphina* Evans, 1937  
*Melphinyet* Larsen, 2012  
*Moltena* Evans, 1937  
*Monza* Evans, 1937  
*Mopala* Evans, 1937  
*Nervia* Grishin, 2019

*Noctulana* Larsen, 2012  
*Osmodes* Holland, 1892  
*Osphantes* Holland, 1896  
*Paracleros* Berger, 1978  
*Paronymus* Aurivillius, 1925  
*Parosmodes* Holland, 1896  
*Perrotia* Oberthür, 1916  
(includes *Miraja* Evans, 1937)  
*Platylesches* Holland, 1896  
*Pteroteinon* Watson, 1893  
*Rhabdomantis* Holland, 1896  
*Semalea* Holland, 1896  
*Teniorhinus* Holland, 1892  
*Trida* Grishin, 2022  
*Tsitana* Evans, 1937  
*Xanthodisca* Aurivillius, 1925  
*Xanthoneura* Eliot, 1978  
*Xanthonymus* Grishin, 2019  
*Zographetus* Watson, 1893  
*Zophopetes* Mabilie, 1904

Tribe **Gretnini** Grishin, 2019

*Gretna* Evans, 1937

Tribe **Taractrocerini** Voss, 1952

*Arrhenes* Mabilie, 1904  
*Banta* Evans, 1949  
*Bibla* Mabilie, 1904  
*Cephrenes* Waterhouse & Lyell, 1914  
*Kobrona* Evans, 1935  
*Mimene* Joicey & Talbot, 1917  
*Ocybadistes* Heron, 1894  
*Oriens* Evans, 1932  
*Pastria* Evans, 1949  
*Potanthus* Scudder, 1872  
*Sabera* Swinhoe, 1908  
*Suniana* Evans, 1934  
*Taractrocera* Butler, 1870  
*Telicota* Moore, 1881  
*Tiacellia* Evans, 1949

Tribe **Erionotini** Distant, 1886

*Acerbas* Nicéville, 1895  
*Avestia* Grishin, 2019  
*Cerba* Grishin, 2019  
*Erionota* Mabilie, 1878  
*Gangara* Moore, 1881  
*Ge* Nicéville, 1895  
*Hyarotis* Moore, 1881  
*Ilma* Swinhoe, 1905  
*Lotongus* Distant, 1886  
*Matapa* Moore, 1881

*Oerane* Elwes & Edwards, 1897  
*Pirdana* Distant, 1886  
*Plastingia* Butler, 1870  
*Ploetzia* Saalmüller, 1884  
*Praescobura* Devyatkin, 2002  
*Pseudokerana* Eliot, 1978  
*Pseudopirdana* Chiba & Tsukiyama, 1993  
*Pudicitia* Nicéville, 1895  
*Pyroneura* Eliot, 1978  
*Quedara* Swinhoe, 1919  
*Salanoemia* Eliot, 1978  
*Scobura* Elwes & Edwards, 1897  
*Suada* Nicéville, 1895  
*Suastus* Moore, 1881  
*Unkana* Distant, 1886  
*Zela* Nicéville, 1895

Tribe **Notocryptini** Swinhoe, 1913

*Ancistroides* Butler, 1874  
(includes *Notocrypta* Nicéville, 1889 and *Udaspes* Moore, 1881)  
*Kerana* Distant, 1886  
*Tamela* Swinhoe, 1913

Tribe **Ismiini** Grishin, 2022

*Iambrix* Watson, 1893  
*Idmon* Nicéville, 1895  
*Isma* Distant, 1886

Tribe **Eetionini** Grishin, 2022

*Eetion* Nicéville, 1895

Tribe **Psolosini** Grishin, 2022

*Koruthaialos* Watson, 1893  
(includes *Stimula* Nicéville, 1898)  
*Psolos* Staudinger, 1889

Tribe **Baorini** Doherty, 1886

*Afrogegenes* de Jong & Coutsis, 2017  
*Baoris* Moore, 1881  
*Borbo* Evans, 1949  
*Brusa* Evans, 1937  
*Caltoris* Swinhoe, 1893  
*Gegenes* Hübner, [1819]  
*Iton* Nicéville, 1895  
*Parnara* Moore, 1881  
*Pelopidas* Walker, 1870  
*Polytremis* Mabilie, 1904  
*Prusiana* Evans, 1937  
*Pseudoborbo* Lee, 1966  
*Torbenlarsenia* Kemal & Koçak, 2020  
(*Larsenia* Chiba, Fan & Sáfián, 2016 is preoccupied)  
*Tsukiyamaia* Zhu, Chiba & Wu, 2016  
*Zenonia* Evans, 1935

Tribe **Hesperiini** Latreille, 1809

*Hesperia* Fabricius, 1793

*Ochlodes* Scudder, 1872

*Thymelicus* Hübner, [1819]



**Fig. 1.** A phylogenetic tree of representative Hesperinae (mostly type species of their genera) constructed from all protein-coding autosomal genes in the nuclear genome. Specimen/sample codes and general localities are given. The numbers of dataset partitions (Zhang et al. 2022) supporting the branches are shown by corresponding nodes. The tree is folded over to fit on a page, and black arrows guide the direction of viewing. Detailed analysis of the results will be presented elsewhere.

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