

List of abbreviations for currently valid generic-level taxa in family Culicidae (Diptera)

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Abstract

Abbreviations are provided for all currently valid genera (111) and subgenera (137) in family Culicidae of order Diptera. Information on sources of proposed generic and subgeneric abbreviations is also provided.

Key words: mosquitoes, genera, subgenera, abbreviations

Introduction

Abbreviations for generic-level taxa (2-letters for genera and 3-letters for subgenera) of family Culicidae were proposed by Reinert (1975, 1982, 1992 and 2001). Since the last updated list of abbreviations in 2001, numerous generic-level changes have occurred, especially in the classification of tribe Aedini. A current, revised list of taxonomically valid generic-level taxa included in family Culicidae, with their recommended abbreviations, is provided below. The list provides subfamilies, tribes, genera and subgenera in alphabetical order. Information on sources of proposed generic and subgeneric abbreviations for mosquitoes is also provided.

In subfamily Anophelinae, genus *Anopheles* Meigen, Harbach *et al.* (2005) described the new subgenus *Baimaia* Harbach, Rattanarithikul & Harrison and recommended the abbreviation *Bmi*.

Generic-level taxa in tribe Aedini with published abbreviations include: subgenus *Bruceharrisonius* Reinert (= *Brh.*) of genus *Ochlerotatus* Lynch Arribálzaga (Reinert, 2003); subgenus *Cornetius* Huang (= *Cor.*) of genus *Aedes* Meigen (Huang, 2005); genus *Tewarius* Reinert (= *Te.*) (Reinert, 2006); subgenus *Pardomyia* Theobald (= *Pdo.*) of genus *Mucicus* Theobald (Reinert 2007); and genus *Borichinda* Harbach & Rattanarithikul (= *Bc.*) (Harbach *et al.*, 2007b). *Bruceharrisonius* (= *Br.*) and *Cornetius* (= *Cn.*) were later raised to generic status (Reinert *et al.* 2006 and 2009, respectively). Numerous other changes and additions to generic-level taxa occurred in tribe Aedini resulting from a comprehensive assessment of its phylogeny and classification with the goal of developing a natural classification (Reinert *et al.*, 2004, 2006, 2008 and 2009) are included in the following list.

Several generic-level taxa in tribe Culicini have been recognized and include the following: genus *Lutzia* Theobald (= *Lt.*), raised from subgeneric status in *Culex* Linnaeus, and subgenera *Insulalutzia* Tanaka (= *Ilt.*) and *Metalutzia* Tanaka (= *Mlt.*) (Tanaka, 2003); subgenus *Nicaromyia* Broche & Rodríguez Rodríguez (no abbreviation given) of genus *Culex* (Broche & Rodríguez Rodríguez, 2001); and subgenus *Phytotelmatomyia* Rossi & Harbach (= *Phy.*) of genus *Culex* (Rossi & Harbach, 2008). Tanaka (2004) did not provide abbreviations for two subgenera of *Culex*, but later in e-mails (dated 18 November 2004 and 2 December 2004 between K. Tanaka and B.A. Harrison) abbreviations for subgenera *Oculeomyia* Theobald (= *Ocu.*) and *Sirivanakarnius* Tanaka (= *Sir.*) were suggested.

New generic-level taxa in tribe Sabethini include subgenus *Spilonympha* Motta & Lourenço-de-Oliveira (= *Spi.*) of genus *Wyeomyia* (Motta & Lourenço-de-Oliveira, 2005) and genus *Kimia* Vu Duc Huong & Harbach (= *Km.*) (Harbach *et al.*, 2007a).

As a result of recent taxonomic changes, 111 genera and 137 subgenera are currently validly established within family Culicidae. These are listed below with their recommended abbreviations.

Abbreviations of Genera and Subgenera of Culicidae

Subfamily Anophelinae

Genus *Anopheles* Meigen = *An.*

Subgenus *Anopheles* Meigen = *Ano.*

Subgenus *Baimaia* Harbach, Rattanarithikul & Harrison = *Bmi.*

Subgenus *Cellia* Theobald = *Cel.*

Subgenus *Kerteszia* Theobald = *Ker.*

Subgenus *Lophopodomyia* Antunes = *Lph.*

Subgenus *Nyssorhynchus* Blanchard = *Nys.*

Subgenus *Stethomyia* Theobald = *Ste.*

Genus *Bironella* Theobald = *Bi.*

Genus *Chagasia* Cruz = *Ch.*

Subfamily Culicinae

Tribe Aedeomyiini

Genus *Aedeomyia* Theobald = *Ad.*

Subgenus *Aedeomyia* Theobald = *Ady.*

Subgenus *Lepiothauma* Enderlein = *Lpi.*

Tribe Aedini

Genus *Abraedes* Zavortink = *Ab.*

Genus *Acartomyia* Theobald = *Ac.*

Genus *Aedes* Meigen = *Ae.*

Genus *Aedimorphus* Theobald = *Am.*
 Genus *Alanstonea* Mattingly = *As.*
 Genus *Albuginosus* Reinert = *Al.*
 Genus *Armigeres* Theobald = *Ar.*
 Subgenus *Armigeres* Theobald = *Arm.*
 Subgenus *Leicesteria* Theobald = *Lei.*
 Genus *Ayurakitia* Thurman = *Ay.*
 Genus *Aztecaedes* Zavortink = *Az.*
 Genus *Belkinus* Reinert = *Be.*
 Genus *Bifidistylus* Reinert, Harbach & Kitching = *Bf.*
 Genus *Borichinda* Harbach & Rattanarithikul = *Bc.*
 Genus *Bothaella* Reinert = *Bo.*
 Genus *Bruceharrisonius* Reinert = *Br.*
 Genus *Cancraedes* Edwards = *Ca.*
 Genus *Catageiomyia* Theobald = *Cg.*
 Genus *Catatassomyia* Dyar & Shannon = *Ct.*
 Genus *Christophersiomyia* Barraud = *Cr.*
 Genus *Collessius* Reinert, Harbach & Kitching = *Co.*
 Subgenus *Alloeomyia* Reinert, Harbach & Kitching = *Alo.*
 Subgenus *Collessius* Reinert, Harbach & Kitching = *Col.*
 Genus *Cornetius* Huang = *Cn.*
 Genus *Dahlia* Reinert, Harbach & Kitching = *Da.*
 Genus *Danielsia* Theobald = *Dn.*
 Genus *Dendroskusea* Edwards = *Ds.*
 Genus *Diceromyia* Theobald = *Di.*
 Genus *Dobrotworskyius* Reinert, Harbach & Kitching = *Db.*
 Genus *Downsiomyia* Vargas = *Do.*
 Genus *Edwardsaedes* Belkin = *Ed.*
 Genus *Elpeytonius* Reinert, Harbach & Kitching = *El.*
 Genus *Eretmapodites* Theobald = *Er.*
 Genus *Finlaya* Theobald = *Fl.*
 Genus *Fredwardsius* Reinert = *Fr.*
 Genus *Georgecraigius* Reinert, Harbach & Kitching = *Gc.*
 Subgenus *Georgecraigius* Reinert, Harbach & Kitching = *Gec.*
 Subgenus *Horsfallius* Reinert, Harbach & Kitching = *Hor.*
 Genus *Geoskusea* Edwards = *Ge.*
 Genus *Gilesius* Reinert, Harbach & Kitching = *Gi.*
 Genus *Gymnometopa* Coquillett = *Gy.*
 Genus *Haemagogus* Williston = *Hg.*
 Subgenus *Conopostegus* Dyar = *Con.*
 Subgenus *Haemagogus* Williston = *Hag.*
 Genus *Halaedes* Belkin = *Ha.*
 Genus *Heizmannia* Ludlow = *Hz.*
 Subgenus *Heizmannia* Ludlow = *Hez.*
 Subgenus *Mattinglyia* Lien = *Mat.*
 Genus *Himalaius* Reinert, Harbach & Kitching = *Hi.*
 Genus *Hopkinsius* Reinert, Harbach & Kitching = *Hk.*

Subgenus *Hopkinsius* Reinert, Harbach & Kitching = *Hpk.*
 Subgenus *Yamada* Reinert, Harbach & Kitching = *Yam.*
 Genus *Howardina* Theobald = *Hw.*
 Genus *Huaedes* Huang = *Hu.*
 Genus *Hulecoeteomyia* Theobald = *Hl.*
 Genus *Indusius* Edwards = *In.*
 Genus *Isoaedes* Reinert = *Ia.*
 Genus *Jarnellius* Reinert, Harbach & Kitching = *Ja.*
 Genus *Jihlienius* Reinert, Harbach & Kitching = *Ji.*
 Genus *Kenknightia* Reinert = *Ke.*
 Genus *Kompia* Aitken = *Ko.*
 Genus *Leptosomatomyia* Theobald = *Lp.*
 Genus *Levua* Stone & Bohart = *Le.*
 Genus *Lewnielsenius* Reinert, Harbach & Kitching = *Ln.*
 Genus *Lorrainea* Belkin = *Lo.*
 Genus *Luius* Reinert, Harbach & Kitching = *Lu.*
 Genus *Macleaya* Theobald = *Mc.*
 Subgenus *Chaetocruiomia* Theobald = *Cha.*
 Subgenus *Macleaya* Theobald = *Mac.*
 Genus *Molpemyia* Theobald = *Mo.*
 Genus *Mucidus* Theobald = *Mu.*
 Subgenus *Mucidus* Theobald = *Muc.*
 Subgenus *Pardomyia* Theobald = *Pdo.*
 Genus *Neomelaniconion* Newstead = *Ne.*
 Genus *Ochlerotatus* Lynch Arribálzaga = *Oc.*
 Subgenus *Buvirilia* Reinert, Harbach & Kitching = *Buv.*
 Subgenus *Chrysoconops* Goeldi = *Chs.*
 Subgenus *Culicada* Felt = *Cda.*
 Subgenus *Culicelsa* Felt = *Cul.*
 Subgenus *Empihals* Reinert, Harbach & Kitching = *Emp.*
 Subgenus *Gilesia* Theobald = *Gli.*
 Subgenus *Juppius* Reinert, Harbach & Kitching = *Jup.*
 Subgenus *Lepidokeneon* Reinert, Harbach & Kitching = *Lpd.*
 Subgenus *Ochlerotatus* Lynch Arribálzaga = *Och.*
 Subgenus *Pholeomyia* Reinert, Harbach & Kitching = *Phl.*
 Subgenus *Protoculex* Felt = *Pcx.*
 Subgenus *Protomacleaya* Theobald = *Pro.*
 Subgenus *Pseudoskusea* Theobald = *Psk.*
 Subgenus *Rusticoidus* Shevchenko & Prudkina = *Rus.*
 Subgenus *Woodius* Reinert, Harbach & Kitching = *Woo.*
 Genus *Opifex* Hutton = *Op.*
 Subgenus *Nothoskusea* Dumbleton = *Not.*
 Subgenus *Opifex* Hutton = *Opi.*
 Genus *Paraedes* Edwards = *Pr.*
 Genus *Patmarksia* Reinert, Harbach & Kitching = *Pm.*
 Genus *Petermattinglyius* Reinert, Harbach & Kitching = *Pe.*
 Subgenus *Aglaonotus* Reinert, Harbach & Kitching = *Agl.*

Subgenus *Petermattinglyius* Reinert, Harbach & Kitching = *Pet.*
 Genus *Phagomyia* Theobald = *Ph.*
 Genus *Polyleptomyia* Theobald = *Po.*
 Genus *Pseudarmigeres* Stone & Knight = *Pa.*
 Genus *Psorophora* Robineau-Desvoidy = *Ps.*
 Subgenus *Grabhamia* Theobald = *Gra.*
 Subgenus *Janthinosoma* Lynch Arribálzaga = *Jan.*
 Subgenus *Psorophora* Robineau-Desvoidy = *Pso.*
 Genus *Rampamyia* Reinert, Harbach & Kitching = *Ra.*
 Genus *Rhinoskusea* Edwards = *Rh.*
 Genus *Sallumia* Reinert, Harbach & Kitching = *Sl.*
 Genus *Scutomyia* Theobald = *Sc.*
 Genus *Skusea* Theobald = *Sk.*
 Genus *Stegomyia* Theobald = *St.*
 Subgenus *Actinothrix* Reinert, Harbach & Kitching = *Act.*
 Subgenus *Bohartius* Reinert, Harbach & Kitching = *Boh.*
 Subgenus *Heteraspidion* Reinert, Harbach & Kitching = *Het.*
 Subgenus *Huangmyia* Reinert, Harbach & Kitching = *Hua.*
 Subgenus *Mukwaya* Reinert, Harbach & Kitching = *Muk.*
 Subgenus *Stegomyia* Theobald = *Stg.*
 Subgenus *Xyele* Reinert, Harbach & Kitching = *Xye.*
 Subgenus *Zoromorphus* Reinert, Harbach & Kitching = *Zor.*
 Genus *Tanakaius* Reinert, Harbach & Kitching = *Ta.*
 Genus *Tewarius* Reinert = *Te.*
 Genus *Udaya* Thurman = *Ud.*
 Genus *Vansomerenis* Reinert, Harbach & Kitching = *Va.*
 Genus *Verrallina* Theobald = *Ve.*
 Subgenus *Harbachius* Reinert = *Har.*
 Subgenus *Neomacleaya* Theobald = *Nma.*
 Subgenus *Verrallina* Theobald = *Ver.*
 Genus *Zavortinkius* Reinert = *Za.*
 Genus *Zeugomyia* Leicester = *Ze.*

Tribe Culicini

Genus *Culex* Linnaeus = *Cx.*
 Subgenus *Acalleoemyia* Leicester = *Aca.*
 Subgenus *Acallyntrum* Stone & Penn = *Acl.*
 Subgenus *Aedinus* Lutz = *Ads.*
 Subgenus *Afroculex* Danilov = *Afc.*
 Subgenus *Allimanta* Casal & Garcia = *Alm.*
 Subgenus *Anoedioporpa* Dyar = *And.*
 Subgenus *Barraudius* Edwards = *Bar.*
 Subgenus *Belkinomyia* Adames & Galindo = *Bel.*
 Subgenus *Carrollia* Lutz = *Car.*
 Subgenus *Culex* Linnaeus = *Cux.*
 Subgenus *Culiciomyia* Theobald = *Cui.*

Subgenus *Eumelanomyia* Theobald = *Eum.*
Subgenus *Kitzmilleria* Danilov = *Kit.*
Subgenus *Lasiosiphon* Kirkpatrick = *Las.*
Subgenus *Lophoceraomyia* Theobald = *Lop.*
Subgenus *Maillotia* Theobald = *Mai.*
Subgenus *Melanoconion* Theobald = *Mel.*
Subgenus *Micraedes* Coquillett = *Mca.*
Subgenus *Microculex* Theobald = *Mcx.*
Subgenus *Neoculex* Dyar = *Ncx.*
Subgenus *Nicaromyia* Broche & Rodríguez Rodríguez = *Nic.*
Subgenus *Oculeomyia* Theobald = *Ocu.*
Subgenus *Phenacomyia* Harbach & Peyton = *Phc.*
Subgenus *Phytotelmatomyia* Rossi & Harbach = *Phy.*
Subgenus *Sirivanakarnius* Tanaka = *Sir.*
Subgenus *Tinolestes* Coquillett = *Tin.*
Genus *Deinocerites* Theobald = *De.*
Genus *Galindomyia* Stone & Barreto = *Ga.*
Genus *Lutzia* Theobald = *Lt.*
 Subgenus *Insulalutzia* Tanaka = *Ilt.*
 Subgenus *Metalutzia* Tanaka = *Mlt.*
 Subgenus *Lutzia* Theobald = *Lut.*

Tribe Culisetini

Genus *Culiseta* Felt = *Cs.*
 Subgenus *Allotheobaldia* Broelemann = *All.*
 Subgenus *Austrotheobaldia* Dobrotworsky = *Aut.*
 Subgenus *Climacura* Howard, Dyar & Knab = *Cli.*
 Subgenus *Culicella* Felt = *Cuc.*
 Subgenus *Culiseta* Felt = *Cus.*
 Subgenus *Neotheobaldia* Dobrotworsky = *Net.*
 Subgenus *Theomyia* Edwards = *Thm.*

Tribe Ficalbiini

Genus *Ficalbia* Theobald = *Fi.*
Genus *Mimomyia* Theobald = *Mi.*
 Subgenus *Etorleptiomyia* Theobald = *Eto.*
 Subgenus *Ingramia* Edwards = *Ing.*
 Subgenus *Mimomyia* Theobald = *Mim.*

Tribe Hodgesiini

Genus *Hodgesia* Theobald = *Ho.*

Tribe Mansoniini

Genus *Coquillettidia* Dyar = *Cq.*
 Subgenus *Austromansonia* Belkin = *Aus.*

Subgenus *Coquillettidia* Dyar = *Coq.*
Subgenus *Rhynchotaenia* Brethés = *Rhy.*
Genus *Mansonia* Blanchard = *Ma.*
Subgenus *Mansonia* Blanchard = *Man.*
Subgenus *Mansonioides* Theobald = *Mnd.*

Tribe Orthopodomyiini

Genus *Orthopodomyia* Theobald = *Or.*

Tribe Sabethini

Genus *Isostomyia* Coquillett = *Is.*
Genus *Johnbelkinia* Zavortink = *Jb.*
Genus *Kimia* Vu Duc Huong & Harbach = *Km.*
Genus *Limatus* Theobald = *Li.*
Genus *Malaya* Leicester = *Ml.*
Genus *Maorigoeldia* Edwards = *Mg.*
Genus *Onirion* Harbach & Peyton = *On.*
Genus *Runchomyia* Theobald = *Ru.*
Subgenus *Ctenogoeldia* Edwards = *Cte.*
Subgenus *Runchomyia* Theobald = *Run.*
Genus *Sabethes* Robineau-Desvoidy = *Sa.*
Subgenus *Davisomyia* Lane & Cerqueira = *Dav.*
Subgenus *Peytonulus* Harbach = *Pey.*
Subgenus *Sabethes* Robineau-Desvoidy = *Sab.*
Subgenus *Sabethinus* Lutz = *Sbn.*
Subgenus *Sabethoides* Theobald = *Sbo.*
Genus *Shannoniana* Lane & Cerqueira = *Sh.*
Genus *Topomyia* Leicester = *To.*
Subgenus *Suaymyia* Thurman = *Sua.*
Subgenus *Topomyia* Leicester = *Top.*
Genus *Trichoprosopon* Theobald = *Tr.*
Genus *Tripteroides* Giles = *Tp.*
Subgenus *Polylepidomyia* Theobald = *Pol.*
Subgenus *Rachionotomyia* Theobald = *Rah.*
Subgenus *Rachisoura* Theobald = *Rac.*
Subgenus *Tricholeptomyia* Dyar & Shannon = *Tri.*
Subgenus *Tripteroides* Giles = *Trp.*
Genus *Wyeomyia* Theobald = *Wy.*
Subgenus *Antunesmyia* Lane & Cerqueira = *Ant.*
Subgenus *Caenomyiella* Harbach & Peyton = *Cae.*
Subgenus *Cruzmyia* Lane & Cerqueira = *Cru.*
Subgenus *Decamyia* Dyar = *Dec.*
Subgenus *Dendromyia* Theobald = *Den.*
Subgenus *Dodecamyia* Dyar = *Dod.*
Subgenus *Exallomyia* Harbach & Peyton = *Exm.*

Subgenus *Hystatomyia* Dyar = *Hys.*
Subgenus *Menolepis* Lutz = *Men.*
Subgenus *Nunezia* Dyar = *Nuz.*
Subgenus *Phoniomyia* Theobald = *Pho.*
Subgenus *Prosopolepis* Lutz = *Prl.*
Subgenus *Spilonympha* Motta & Lourenço-de-Oliveira = *Spi.*
Subgenus *Wyeomyia* Theobald = *Wyo.*
Subgenus *Zinzala* Zavortink = *Zin.*

Tribe Toxorhynchitini

Genus *Toxorhynchites* Theobald = *Tx.*
Subgenus *Afrorhynchus* Ribeiro = *Afr.*
Subgenus *Ankylorhynchus* Lutz = *Ank.*
Subgenus *Lynchiella* Lahille = *Lyn.*
Subgenus *Toxorhynchites* Theobald = *Tox.*

Tribe Uranotaeniini

Genus *Uranotaenia* Lynch Arribálzaga = *Ur.*
Subgenus *Pseudoficalbia* Theobald = *Pfc.*
Subgenus *Uranotaenia* Lynch Arribálzaga = *Ura.*

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