

Expanded molecular phylogeny of the genus *Bicyclus* shows the importance of increased sampling for detecting semi-cryptic species and highlights potentials for future studies

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Supplemental data S5: Systematic checklist (with complete synonymic listing) of currently known *Bicyclus* species (October 2016)

Notes: Species-groups are listed in the order they appear in the phylogeny in the main paper (Fig. 2,3). Members of each species group are listed in chronological order with original genus name given behind the current name for taxa that have been revised since their original description. Species that have been revised in the current study with changes of names involved have the previously valid name shown in full. Names followed by (*) are considered as infrasubspecific and therefore not available (ICZN Art. 45.6.2-4), but still included in this list for the sake of the historical overview.

evadne species-group

Bicyclus evadne (Cramer, 1779) (*Papilio*)

= *Satyrus servatius* Godart, 1823

= *Mycalesis elionas* Hewitson, 1866 **syn. nov.** (*Bicyclus evadne elionas*)

= *Mycalesis noblemairei* Janet, 1894

= *Mycalesis subignobilis* Strand, 1913

= *Mycalesis alberici* Dufrane, 1945

Bicyclus xeneas (Hewitson, 1866) (*Mycalesis*)

Bicyclus xeneas xeneas (Hewitson, 1866)

= *Mycalesis phalantus* Staudinger, 1887

= *Mycalesis phalantus* var. *phalantoides* Strand, 1913

Bicyclus xeneas occidentalis Condamin, 1965

Bicyclus alboplaga (Rebel, 1914) (*Mycalesis*)

Bicyclus xeneoides Condamin, 1961 (Probably junior synonym of *B. alboplaga*)

Bicyclus howarthi Condamin, 1963

nobilis species-group

Bicyclus nobilis (Aurivillius, 1893) (*Mycalesis*)

Bicyclus larseni Vande weghe, 2009

trilophus species-group

Bicyclus trilophus (Rebel, 1914) (*Mycalesis*)
= *Mycalesis schoutedeni* Overlaet, 1954

Bicyclus jacksoni Condamin, 1961 **stat. rev.** (*Bicyclus trilophus jacksoni*)

Bicyclus sealeae Collins & Larsen, 2008

ignobilis species-group

Bicyclus ignobilis (Butler, 1870) (*Mycalesis*)
= *Bicyclus ignobilis eurini* Condamin & Fox, 1963
= *Bicyclus ignobilis acutus* Condamin, 1965

Bicyclus rileyi Condamin, 1961

Bicyclus maesseni Condamin, 1971

Bicyclus brakefieldi Brattström, 2012

Bicyclus ottossoni Brattström, 2015

Bicyclus vandeweghei Brattström, 2015

hewitsoni species-group

Bicyclus hewitsoni (Doumet, 1861) (*Idiomorphus*)
= *Idiomorphus nanodes* Grose-Smith, 1890
= *Mycalesis (Bicyclus) bicolor* Bartel, 1905
= *Mycalesis (Bicyclus) subocellatus* Bartel, 1905
= *Mycalesis owasse* Schultze, 1914
= *Mycalesis nanodes nyongenisi* Birket-Smith, 1960

Bicyclus iccius (Hewitson, 1865) (*Idiomorphus*)
= *Mycalesis (Bicyclus) iccius ab. transiens* Bartel, 1905 *

Bicyclus italus (Hewitson, 1865) (*Idiomorphus*)
= *Idiomorphus massalia* Plötz, 1880

Bicyclus sebetus (Hewitson, 1865) (*Idiomorphus*)
= *Idiomorphus una* Plötz, 1880
= *Mycalesis kochi* Grünberg, 1910

Bicyclus zinebi (Butler, 1869) (*Idiomorphus*)

Bicyclus medontias (Hewitson, 1873) (*Mycalesis*)

= *Idiomorphus vala* Plötz, 1880

= *Mycalesis medontias* f. *microphthalma* Rebel, 1914

= *Mycalesis medontias* var. *obsoletus* Holland, 1920

Bicyclus ephorus Weymer, 1892

Bicyclus graueri (Rebel, 1914) (*Mycalesis*)

Bicyclus graueri graueri (Rebel, 1914)

Bicyclus graueri kota Vande weghe, 2009 (Subspecific status doubtful)

Bicyclus sweadneri Fox, 1963

Bicyclus bergeri Condamin, 1965 (*Bicyclus ephorus bergeri*)

Bicyclus choveti Libert, 1996 **stat. rev.** (*Bicyclus graueri choveti*)

Bicyclus wakaensis Vande weghe, 2009

sciathis species-group

Bicyclus sciathis (Hewitson, 1866) (*Mycalesis*)

Bicyclus procora (Karsch, 1893) (*Mycalesis*)

Bicyclus analis (Aurivillius, 1895) (*Mycalesis*)

Bicyclus hyperanthus (Bethune-Baker, 1908) (*Mycalesis*)

Bicyclus uniformis (Bethune-Baker, 1908) (*Mycalesis*)

= *Mycalesis benina* Grünberg, 1912

= *Mycalesis ribbei* Neustetter, 1916

Bicyclus feae (Aurivillius, 1910) (*Mycalesis*)

Bicyclus makomensis (Strand, 1913) (*Mycalesis*)

= *Bicyclus ewondo* Libert, 1996

Bicyclus amieti Libert, 1996

Bicyclus ivindo Vande weghe, 2007

Bicyclus elishiae Brattström, 2015

Bicyclus heathi Brattström, 2015

Bicyclus sigiussidorum Brattström, 2015

Bicyclus subtilisurae Brattström, 2015

taenias species-group

Bicyclus taenias (Hewitson, 1877) (*Mycalesis*)

= *Mycalesis gerda* Plötz, 1880

= *Bicyclus taenias* f. *arid. pujoli* Condamin, 1961 *

milyas species-group

Bicyclus milyas (Hewitson, 1864) (*Mycalesis*)

= *Mycalesis desolata* Butler, 1876

= *Mycalesis leptoglana* Karsch, 1893

Bicyclus pavonis (Butler, 1876) (*Mycalesis*)

saussurei species-group

Bicyclus saussurei (Dewitz, 1879) (*Mycalesis*)

Bicyclus saussurei saussurei (Dewitz, 1879)

= *Mycalesis saussurei* ab. *uniocellata* (Dufrane, 1945) *

= *Bicyclus saussurei angustus* Condamin, 1971 **syn. nov.**

Bicyclus saussurei camerunia (Strand, 1914) (*Mycalesis*)

Bicyclus danckelmani (Rogenhofer, 1891) (*Mycalesis*)

= *Mycalesis (Monotrichtis) danckelmani* ab. *daresa* Strand, 1910 *

= *Mycalesis (Monotrichtis) danckelmani* ab. *deannulata* Strand, 1910 *

= *Mycalesis usagarae* Strand, possibly *Nomen Nudum* (see Condamin, 1961 & 1973).

Bicyclus anisops (Karsch, 1892) (*Mycalesis*)

= *Mycalesis anisops* ab. *albopupillata* Strand, 1913 *

Bicyclus aurivillii (Butler, 1895) (*Mycalesis*)

Bicyclus aurivillii aurivillii (Butler, 1895)

Bicyclus aurivillii kivuensis (Joicey & Talbot, 1914) (*Mycalesis*)

= *Mycalesis aurivillii* var. *birungae* Aurivillius, 1925

Bicyclus dentata (Sharpe, 1898) (*Mycalesis*)

= *Mycalesis fluviatilis* Grose-Smith, 1898

Bicyclus albocincta (1914) (*Mycalesis*)

Bicyclus neustetteri (Rebel, 1914) (*Mycalesis*)

Bicyclus suffusa (Riley, 1921) (*Mycalesis*)

Bicyclus suffusa suffusa (Riley, 1921)

Bicyclus suffusa ituriensis Condamin, 1971

Bicyclus simulacris Kielland, 1990

Bicyclus simulacris simulacris Kielland, 1990

Bicyclus simulacris septentrionalis Kielland, 1990

Bicyclus uzungwensis Kielland, 1990

Bicyclus uzungwensis uzungwensis Kielland, 1990

Bicyclus uzungwensis granti Kielland, 1990

Bicyclus pareensis Collins & Kielland, 2008

safitza species-group

Bicyclus safitza [Westwood 1850]

Bicyclus safitza safitza [Westwood 1850] (*Mycalesis*)

= *Papilio delila* Fabricius, 1793 (Junior primary homonym)

= *Satyrus denina* Godart [1824] (Reversal of precedence, ICZN: 23.9.2)

= *Mycalesis eusirius* Hopffer, 1855

= *Mycalesis evenus* Hopffer, 1855

= *Mycalesis caffra* Wallengren, 1857

= *Mycalesis injusta* Wallengren, 1857

= *Mycalesis safitza* ab. *semicoeca* Strand, 1910 *

Bicyclus safitza aethiops (Rothschild & Jordan, 1905) (*Mycalesis*)

= *Mycalesis aethiops* f. *velutina* Ungemach, 1905

Bicyclus cottrelli (Van Son, 1952) (*Mycalesis*)

= *Mycalesis cottrelli harti* van Son, 1952

= *Mycalesis cottrelli* f. *pluvia* van Son, 1962 *

Bicyclus kiellandi Condamin, 1983

funnebris species-group

Bicyclus funnebris (Guérin-Méneville, 1844) (*Satyrus*)

= *Mycalesis nebulosa* Felder, 1867

= *Mycalesis saga* Butler, 1868

= *Mycalesis agraphis* Karsch, 1893

= *Mycalesis funnebris* f. *agraphides* Strand, 1912

martius species-group

Bicyclus martius (Fabricius, 1793) (*Papilio*)

Bicyclus sanaos (Hewitson, 1866) **stat. rev.** (*Mycalesis*)

= *Mycalesis bibundensis* Strand, 1913

= *Bicyclus martius* f. *arid. vietti* Condamin, 1961 *

Bicyclus madetes (Hewitson, 1874) (*Mycalesis*)

Bicyclus madetes madetes (Hewitson, 1874)

= *Mycalesis nuwa* Plötz, 1880

= *Mycalesis erysichton* Ehrmann, 1894

Bicyclus madetes carola d'Abrera, 1980

Bicyclus istaris (Plötz, 1880) (*Mycalesis*)

= *Mycalesis rhanidostroma* Karsch, 1893

Bicyclus sophrosyne (Plötz, 1880) (*Mycalesis*)

Bicyclus sophrosyne sophrosyne (Plötz, 1880)

= *Mycalesis ploetzi* Bartel, 1905

= *Mycalesis sophrosyne* ab. *decemoculi* Birket-Smith, 1960 *

Bicyclus sophrosyne overlaeti Condamin, 1965

Bicyclus dubia Aurivillius, 1893 (*Mycalesis*)

Bicyclus golo (Aurivillius, 1893) (*Mycalesis*)

= *Mycalesis golo* var. *violascens* Aurivillius, 1898

= *Mycalesis golo* var. *obliterata* Grünberg, 1912

= *Mycalesis golo* ab. *goloides* Strand, 1913 *

Bicyclus matuta (Karsch, 1894) (*Mycalesis*)

Bicyclus matuta matuta (Karsch, 1894)

= *Mycalesis eleuthera* Rebel, 1911

Bicyclus matuta idjwiensis Condamin, 1965

Bicyclus smithi (Aurivillius, 1898) (*Mycalesis*)

Bicyclus smithi smithi (Aurivillius, 1898)

= *Mycalesis ansorgei* Grose-Smith, 1898

= *Mycalesis nandina* Anson, 1899

= *Mycalesis obscura* Aurivillius, 1901

= *Mycalesis campides* Strand, 1912

= *Mycalesis completa* Gaede, 1915

Bicyclus smithi fernandina (Schultze, 1914) (*Mycalesis*)

= *Bicyclus smithi poensis* Condamin, 1963

Bicyclus smithi eurypterus Condamin, 1965

Bicyclus lamani (Aurivillius, 1900) (*Mycalesis*)

Bicyclus buea (Strand, 1912) (*Mycalesis*)
= *Mycalesis (Monotrichtis) hintzi* Strand, 1912
= *Mycalesis benitonis* Strand, 1913
= *Mycalesis mildbraedi* Gaede, 1915

Bicyclus persimilis (Joicey & Talbot, 1921) (*Mycalesis*)

Bicyclus brunnea (Jackson, 1951) **stat. rev.** (*Monotrichtis*)

Bicyclus dekeyseri (Condamin, 1958) (*Mycalesis*)

Bicyclus similis Condamin, 1963

ena species-group

Bicyclus ena (Hewitson, 1877) (*Mycalesis*)
= *Mycalesis ena* f. *kigonserae* Aurivillius, 1911

Bicyclus campina (Aurivillius, 1901) (*Mycalesis*)
Bicyclus campina campina (Aurivillius, 1901)
= *Mycalesis campina* var. *goetzi* Thureau, 1903
= *Mycalesis fuelleborni* Bartel, 1905
Bicyclus campina ocelligera (Strand, 1910) (*Mycalesis (Monotrichtis)*)
= *Mycalesis campina* var. *supapicalis* Aurivillius, 1910
Bicyclus campina carcassoni Condamin, 1963

Bicyclus condamini van Son, 1963

Bicyclus vansoni Condamin, 1965

dorothea species-group

Bicyclus dorothea (Cramer, 1779)
Bicyclus dorothea dorothea (Cramer, 1779) (*Papilio*)
= *Papilio melusina* Fabricius, 1787
= *Papilio miriam* Fabricius, 1793
= *Mycalesis raesaces* Hewitson, 1866
Bicyclus dorothea concolor Condamin & Fox, 1964
= *Mycalesis melusina* f. *concolor* Aurivillius, 1910

Bicyclus jefferyi Fox, 1963 (*Mycalesis*)
= *Mycalesis miriam* ab. *punctifera* Strand, 1909 *
= *Mycalesis miriam* ab. *addenda* Dufrane, 1945 *
= *Bicyclus addendus* Condamin & Fox, 1964

Bicyclus moyses Condamin & Fox, 1964

Bicyclus vulgaris (Butler, 1868) (*Mycalesis*)
= *Mycalesis tolosa* Plötz, 1880

Bicyclus sandace (Hewitson, 1877) (*Mycalesis*)

rhacotis species-group

Bicyclus rhacotis (Hewitson, 1866) (*Mycalesis*)

Bicyclus sambulos (Hewitson, 1877) (*Mycalesis*)
Bicyclus sambulos sambulos (Hewitson, 1877)
Bicyclus sambulos cyaneus Condamin, 1961
Bicyclus sambulos unicolor Condamin, 1971

Bicyclus technatis (Hewitson, 1877) (*Mycalesis*)

Bicyclus mesogena (Karsch, 1894) (*Mycalesis*)
Bicyclus mesogena mesogena (Karsch, 1894)
Bicyclus mesogena ugandae (Riley, 1926) (*Mycalesis*)
= *Mycalesis mohangensis* Dufrane, 1945

Bicyclus mesogenina (Grünberg, 1912) **stat. rev.** (*Mycalesis (Monotrichtis)*)
= *Bicyclus mahale* Congdon, Kielland & Collins, 1998 **syn. nov.**

Bicyclus sangmelinae Condamin, 1963

Bicyclus nachtetis Condamin, 1965

Bicyclus cf. mesogena undescribed species

angulosa species-group

Bicyclus angulosa (Butler, 1868) (*Mycalesis*)
Bicyclus angulosa angulosa (Butler, 1868)
= *Mycalesis houyi* Gaede, 1915
= *Mycalesis langi* Holland, 1920
= *Mycalesis chapini* Holland, 1920
= *Mycalesis funebris orientis* Ungemach, 1932
Bicyclus angulosa selousi (Trimen, 1895) (*Mycalesis*)
= *Mycalesis (Monotrichtis) desolata selousi* f. *barnesi* van Son, 1955 *
= *Mycalesis selousi* f. *simulans* Overlaet, 1955

Bicyclus auricruda (Butler, 1868) (*Mycalesis*)
Bicyclus auricruda auricruda (Butler, 1868)
Bicyclus auricruda fulgida Fox, 1963
Mycalesis auricruda ab. *parvoocellata* Grünberg, 1912 *

Bicyclus mandanes (Hewitson, 1873) (*Mycalesis*)
= *Dichothyris graphidhabra* Karsch, 1893

Bicyclus anynana (Butler, 1879) (*Mycalesis*)
Bicyclus anynana anynana (Butler, 1879)
= *Mycalesis vicaria* Thurnau, 1903
= *Mycalesis vicaria* var. *neglecta* Thurnau, 1903
Bicyclus anynana socotrana (Butler, 1881) (*Calysisme*)
Bicyclus anynana centralis Condamin, 1968

Bicyclus kenia (Rogenhofer, 1891) (*Mycalesis*)

Bicyclus campa (Karsch, 1893) (*Mycalesis*)
= *Mycalesis baumanni* Karsch, 1894
= *Mycalesis (Monotrichtis) olivia* Grünberg, 1912

Bicyclus mollitia (Karsch, 1895) (*Mycalesis*)
= *Mycalesis ansorgei* Sharpe, 1896

Bicyclus cooksoni (Druce, 1905) (*Mycalesis*)
= *Mycalesis cooksoni* var. *latior* Riley, 1921

Bicyclus abnormis (Dudgeon, 1909) (*Mycalesis*)

Bicyclus sylvicolus Condamin, 1965
= *Bicyclus abnormis* f. *pluv. sylvicolus* Condamin, 1961 *

Bicyclus tanzanicus Condamin, 1983

Bicyclus collinsi Aduse-Poku, **sp. nov.**