

Supplementary Materials S1

Taxa represented in the cladistic analysis of Odacanthini are listed below along with author and year of description. Generic and subgeneric species combinations follow Lorenz (2005). Taxa newly assigned to Odacanthini are indicated by “**new tribal placement**.” Codens for institutional collections holding outgroup specimens that were studied for this analysis indicated within brackets [see Acknowledgements for institutions and associated curators]. For institutions providing specimens for *Cyphocoleus* revision, see text and Supplementary Materials S3.

Tribe Lebiini Bonelli 1810

Subtribe Celaenephina Habu 1982

Celaenephes linearis (Walker 1858) (outgroup) [CUIC]

Tribe Odacanthini Laporte 1834 (**sensu novo**)

Subtribe Actenonycina Bates 1871

Actenonyx bembidioides White 1846 [CUIC]

Subtribe Odacanthina Laporte 1834

Andrewesia obesa (Andrewes 1923) [MCZ]
Arame macra Andrewes 1919 [BMUL]
Archicolluris papua (Darlington 1968) [MCZ]
Archicolluris par (Darlington 1968) [MCZ]
Aulacoliis triordinatus Sloane 1923 [CUIC]
Basistichus micans (W. J. MacLeay 1888) [ANIC]
Clarencia quadridens Darlington 1968 [ANIC]
Colliuris (Apiodera) subdistincta Chaudoir 1862 [CUIC]
Colliuris (Apiodera) rugicollis (Dejean 1825) [MCZ]
Colliuris (Apiodera) trimaculata Liebke 1930 [MCZ]
Colliuris (Calocolluris) ludoviciana (Sallé 1849) [CUIC]
Colliurus (Colliurina) batesi Chaudoir 1862 [MCZ]
Colliuris (s.s.) surinamensis (L. 1767) [MCZ]
Colliuris (Colliurita) bivittis (Chaudoir 1872) [MCZ]
Colliuris (Mimocasonia) pilatei (Chaudoir 1848) [CUIC]
Colliuris (Odacanthomimus) oglobini Liebke 1938 [MCZ]
Colliuris (Plagiorhytis) corusca (Chaudoir 1862) [MCZ]
Colliuris (incertae sedis) gundlachi Darlington 1934 [MCZ]
Cosnania lioptera Bates 1891 [CUIC]
Cosnania pensylvanica (L. 1767) [CUIC]
Deipyrodes palustris (Sloane 1910) [MCZ]
Dicraspeda quadrispinosa (Chaudoir 1869) [ANIC]
Dobodura armata Darlington 1968 [MCZ]
Erectocolluris fairmairei (Gestro 1895) [MCZ]
Eucolluris fuscipennis (Chaudoir 1850) [BMUL, MCZ]
Eudalia atrata Baehr 2005 [UASM]
Lachnothorax tokkia Gestro 1875 [MCZ]
Lasiocera orientalis Chaudoir 1850 [MCZ]
Mimocolluris chaudiroidi (Boheman 1858) [MCZ]
Myrmecodemus globulicollis (W. J. MacLeay 1888) [MCZ]
Neoeudalia nigra (Sloane 1900) [MCZ]
Odacantha (s. s.) melanura (L. 1767) [CUIC]
Odacantha (Heliocasonia) metallica (Fairmaire 1889) [MCZ]
Ophionea thouzeti Laporte 1867 [CUIC]
Porocara nigricollis Baehr 1986 [ANIC]
Renneria kamouni Baehr 1999 [ANIC]
Stenidia hovana Fairmaire 1884 [MCZ]

Subtribe Pentagonicina Bates 1873

Parascopodes cyaneus (Sloane 1907) [MCZ]
Pentagonica daimiella Bates 1892 [ZMUC]
Pentagonica picticornis Bates 1883 [CUIC]
Pentagonica vittipennis Chaudoir 1877 [CUIC]
Scopodes angulicollis W. J. MacLeay 1871 [CUIC]
Scopodes bryophilus Broun 1886 [CUIC]
Scopodes edwardsii Bates 1878 [CUIC]
Scopodes fossulatus (Blanchard 1843) [CUIC]
Scopodes intermedius Blackburn 1894 [MCZ]
Scopodes simplex Blackburn 1894 [MCZ]
Scopodes tasmanicus Bates 1878 [MCZ]

Subtribe Homethina **subtrib. n.**

Aeolodermus emarginatus (Chaudoir 1872) [ANIC]
Cyphocoleus angustatus Liebherr **sp. n.**
Cyphocoleus bourailensis Liebherr **sp. n.**
Cyphocoleus burwelli Liebherr **sp. n.**
Cyphocoleus cardiopterus Chaudoir 1877 (**new tribal placement**)
Cyphocoleus cordatus Liebherr **sp. n.**
Cyphocoleus cychroides Chaudoir 1877 (**new tribal placement**)
Cyphocoleus fasciatus Liebherr **sp. n.**
Cyphocoleus flavipes Fauvel 1882 (**new tribal placement**)
Cyphocoleus globulicollis Fauvel 1882 (**new tribal placement**)
Cyphocoleus heterogenus Chaudoir 1877 (**new tribal placement**)
Cyphocoleus iledespinsensis Liebherr **sp. n.**
Cyphocoleus latipennis Fauvel 1882 (**new tribal placement**)
Cyphocoleus lescheni Liebherr & Will **sp. n.**
Cyphocoleus lissus Liebherr **sp. n.**
Cyphocoleus mirabilis (Park & Will 2008) (**new tribal placement**)
Cyphocoleus miricollis Fauvel 1882 (**new tribal placement**)
Cyphocoleus monteithi Liebherr **sp. n.**
Cyphocoleus moorei (Park & Will 2008) (**new tribal placement**)
Cyphocoleus ovicollis Fauvel 1882 (**new tribal placement**)
Cyphocoleus parovicollis Liebherr **sp. n.**
Cyphocoleus prolixus Liebherr **sp. n.**
Cyphocoleus subulatus Liebherr **sp. n.**
Diplacanthogaster bicolor Liebke 1932 (**new tribal placement**) [NMNH]
Homethes elegans Newman 1842 [ANIC]
Homethes gracilis Blackburn 1892 [CUIC]
Homethes guttifer Germar 1848 [ANIC, CUIC]
Quammenis spectabilis Erwin 2000 (**new tribal placement**) [KUSC]
Stenocheila lacordairei Laporte 1832 (Liebke 1930) [MCZ]