

Mysida Classification, September 9, 2008

Below I have summarized the classification of Mysida, current as of the date above. The list has been compiled from the interactive database available at <http://peracarida.usm.edu/>. This list may be cited as:

Anderson, G. 2008. Mysida Classification, September 9, 2008. <http://peracarida.usm.edu/MysidaTaxa.pdf>.

Efforts underway relating to this project are directed toward updating, verifying, and correcting the items in this list and the database. If you are aware of corrections or additional items that should be included, please bring them to my attention. Also, I would appreciate being added to your reprint distribution list. Thank you in advance.

Best wishes,

Gary Anderson

Order Mysida Haworth, 1825

Family Mysidae Haworth, 1825

Subfamily Boreomysinae Holt & Tattersall, 1905a

Genus Boreomysis Sars, M., 1869

- Boreomysis acuminata Tattersall, O., 1955
- Boreomysis arctica (Krøyer, 1861)
- Boreomysis atlantica Nouvel, 1942
- Boreomysis bispinosa Tattersall, O., 1955
- Boreomysis brucei Tattersall, W., 1913
- Boreomysis caeca Birstein & Tchindonova, 1958
- Boreomysis californica Ortmann, 1894
- Boreomysis chelata Birstein & Tchindonova, 1958
- Boreomysis curtirostris Birstein & Tchindonova, 1958
- Boreomysis dubia Coifmann, 1937a
- Boreomysis fragilis Hansen, 1912
- Boreomysis hanseni Holmquist, 1956
- Boreomysis illigi Tattersall, O., 1955
- Boreomysis incisa Nouvel, 1942
- Boreomysis inermis (Willemoes-Suhm, 1874)
- Boreomysis inermis Hansen, 1910
- Boreomysis insolita Tattersall, O., 1955
- Boreomysis intermedia Li, 1964
- Boreomysis jacobi Holmquist, 1956
- Boreomysis kistnae Pillai, 1973
- Boreomysis latipes Birstein & Tchindonova, 1958
- Boreomysis longispina Birstein & Tchindonova, 1958
- Boreomysis macrophthalma Birstein & Tchindonova, 1958
- Boreomysis megalops Sars, 1872
- Boreomysis microps Sars, 1884
- Boreomysis nobilis Sars, 1879a
- Boreomysis obtusata Sars, 1884
- Boreomysis oparva Saltzman & Bowman, 1993
- Boreomysis pearcyi Murano & Krygier, 1985
- Boreomysis plebeja Hansen, 1910
- Boreomysis rostrata Illig, 1906
- Boreomysis semicoeca Hansen, 1905a
- Boreomysis sibogae Hansen, 1910
- Boreomysis sphaerops Li, 1964
- Boreomysis tanakai Li, 1964
- Boreomysis tattersalli Tattersall, O., 1955
- Boreomysis tridens Sars, 1870a
- Boreomysis vanhoeffeni Zimmer, 1914b
- Boreomysis verrucosa Tattersall, W., 1939

- Subfamily Erythropinae Hansen, 1910
 - Genus *Aberomysis* Bacescu & Iliffe, 1986b
 - Aberomysis muranoi* Bacescu & Iliffe, 1986b
 - Genus *Amathimysis* Brattegard, 1969
 - Amathimysis brattegardi* Stuck & Heard, 1981
 - Amathimysis cherados* Brattegard, 1974a
 - Amathimysis gibba* Brattegard, 1969
 - Amathimysis polita* Brattegard, 1974a
 - Amathimysis sarbui* Bacescu, 1991
 - Amathimysis serrata* Murano, 1986a
 - Amathimysis torleivi* Ortiz et al., 2000
 - Amathimysis trigibba* Murano & Chess, 1987
 - Genus *Amblyops* Sars, 1872
 - Amblyops abbreviata* (Sars, M., 1869)
 - Amblyops aequispina* Birstein & Tchindonova, 1958
 - Amblyops antarctica* Tattersall, O., 1955
 - Amblyops durhani* Tattersall, O., 1955
 - Amblyops ewingi* Bacescu, 1967
 - Amblyops kempi* (Holt & Tattersall, 1905a)
 - Amblyops longisquamosus* Murano & Mauchline, 1999
 - Amblyops magna* Birstein & Tchindonova, 1958
 - Amblyops spinifera* Nouvel & Lagardère, 1976
 - Amblyops tattersalli* Zimmer, 1914b
 - Amblyops tenuicauda* Tattersall, W., 1911
 - Amblyops trisetosa* Nouvel & Lagardère, 1976
 - Genus *Amblyopsoides* Tattersall, O., 1955
 - Amblyopsoides crozetii* ((Willemoes-Suhm in MS) Sars, 1884)
 - Amblyopsoides halleyi* Ledoyer, 1990
 - Amblyopsoides obtusa* Tattersall, O., 1955
 - Amblyopsoides ohlinii* (Tattersall, W., 1951)
 - Genus *Arachnomysis* Chun, 1887
 - Arachnomysis leuckartii* Chun, 1887
 - Arachnomysis megalops* Zimmer, 1914b
 - Genus *Atlanterythrope* Nouvel & Lagardère, 1976
 - Atlanterythrope crassipes* Nouvel & Lagardère, 1976
 - Genus *Australerythrope* Tattersall, W., 1928
 - Australerythrope paradicei* Tattersall, W., 1928
 - Genus *Caesaromysis* Ortmann, 1893
 - Caesaromysis hispida* Ortmann, 1893
 - Genus *Calyptomma* Tattersall, W., 1909
 - Calyptomma puritani* Tattersall, W., 1909
 - Genus *Chunomysis* Holt & Tattersall, 1905a
 - Chunomysis diadema* Holt & Tattersall, 1905a
 - Genus *Dactylamblyops* Holt & Tattersall, 1906a
 - Dactylamblyops atlanticus* Murano & Mauchline, 1999
 - Dactylamblyops fervida* Hansen, 1910
 - Dactylamblyops goniops* Tattersall, W., 1907
 - Dactylamblyops hodgsoni* Holt & Tattersall, 1906a
 - Dactylamblyops iii* Nouvel & Lagardère, 1976
 - Dactylamblyops laticauda* Birstein & Tchindonova, 1958
 - Dactylamblyops latisquamosus* Illig, 1906
 - Dactylamblyops murrayi* Tattersall, W., 1939
 - Dactylamblyops pellucida* Birstein & Tchindonova, 1958
 - Dactylamblyops sarsi* (Ohlin, 1901b)
 - Dactylamblyops solivaga* Birstein & Tchindonova, 1958
 - Dactylamblyops stenurus* Murano, 1969
 - Dactylamblyops tenella* Birstein & Tchindonova, 1958

- Dactylamblyops thaumatops Tattersall, W., 1907
- Genus Dactylerythrocs Holt & Tattersall, 1905a
 - Dactylerythrocs bidigitata Tattersall, W., 1907
 - Dactylerythrocs chrotops Murano, 1969
 - Dactylerythrocs dactylops Holt & Tattersall, 1905a
 - Dactylerythrocs dimorpha Nouvel & Lagardère, 1976
 - Dactylerythrocs latisquamosa Murano & Krygier, 1985
- Genus Echinomysides Murano, 1977a
 - Echinomysides typica Murano, 1977a
- Genus Echinomysis Illig, 1905
 - Echinomysis chuni Illig, 1905
 - Echinomysis distinguenda Coifmann, 1936
 - Echinomysis serratus Vereshchaka, 1990
- Genus Erythrocs Sars, 1869
 - Erythrocs abyssorum Sars, 1869
 - Erythrocs africana Tattersall, O., 1955
 - Erythrocs alborana Bacescu, 1989
 - Erythrocs bidentata Nouvel, 1973c
 - Erythrocs elegans (Sars, 1863)
 - Erythrocs erythrophthalmus (Goës, 1863)
 - Erythrocs frontieri Nouvel, 1974
 - Erythrocs glacialis Sars, 1885b
 - Erythrocs microps (Sars, 1864)
 - Erythrocs minuta Hansen, 1910
 - Erythrocs nana Tattersall, W., 1922
 - Erythrocs neapolitanus Colosi, 1929
 - Erythrocs parva Brattegard, 1973
 - Erythrocs peterdohrni Bacescu & Schiecke, 1974
 - Erythrocs phuketensis Fukuoka & Murano, 2002b
 - Erythrocs serrata (Sars, 1863)
 - Erythrocs yongei Tattersall, W., 1936b
- Genus Euchaetomera Sars, 1884
 - Euchaetomera glyphidophthalmica Illig, 1906
 - Euchaetomera intermedia Nouvel, 1942
 - Euchaetomera oculata Hansen, 1910
 - Euchaetomera plebeja Hansen, 1912
 - Euchaetomera richardi Nouvel, 1945
 - Euchaetomera tenuis Sars, 1884
 - Euchaetomera typica Sars, 1884
 - Euchaetomera zurstrasseni (Illig, 1906)
- Genus Euchaetomeropsis Tattersall, W., 1909
 - Euchaetomeropsis merolepis (Illig, 1908)
 - Euchaetomeropsis pacifica Banner, 1948a
- Genus Gibbamblyops Murano & Krygier, 1985
 - Gibbamblyops longisquamosa Murano & Krygier, 1985
- Genus Gibberythrocs Illig, 1930
 - Gibberythrocs acanthura (Illig, 1906)
 - Gibberythrocs longicauda Bravo & Murano, 1997a
 - Gibberythrocs stephensoni (Tattersall, W., 1936a)
 - Gibberythrocs typicus (Murano, 1969)
- Genus Gymnerythrocs Hansen, 1910
 - Gymnerythrocs anomala Hansen, 1910
 - Gymnerythrocs macrops Pillai, 1973
 - Gymnerythrocs microps Coifmann, 1936
- Genus Heteroerythrocs Tattersall, O., 1955
 - Heteroerythrocs microps Murano, 1966b
 - Heteroerythrocs purpura Tattersall, O., 1955

- Heteroerythroptans tanssei Murano, 1966b
- Genus Holmesiella Ortmann, 1908
 - Holmesiella affinis Ii, 1937
 - Holmesiella anomala Ortmann, 1908
- Genus Hyperamblyops Birstein & Tchindonova, 1958
 - Hyperamblyops antarctica (Hansen, 1913c)
 - Hyperamblyops atlanticus Murano & Mauchline, 1999
 - Hyperamblyops japonica (Ii, 1964)
 - Hyperamblyops megalops (Tattersall, O., 1955)
 - Hyperamblyops nana Birstein & Tchindonova, 1958
- Genus Hypererythroptans Holt & Tattersall, 1905a
 - Hypererythroptans caribbaea Tattersall, W., 1937
 - Hypererythroptans elegantula Nouvel, 1974
 - Hypererythroptans richardi Bacescu, 1941a
 - Hypererythroptans semispinosa Wang, 1998
 - Hypererythroptans serriventer Holt & Tattersall, 1905a
 - Hypererythroptans spinifera (Hansen, 1910)
 - Hypererythroptans validisaeta Fukuoka & Murano, 2002b
 - Hypererythroptans zimmeri Ii, 1937
- Genus Illigiella Murano, 1981
 - Illigiella brevisquamosa (Illig, 1906)
- Genus Indoerythroptans Panampunnayil, 1998
 - Indoerythroptans typicus Panampunnayil, 1998
- Genus Katerythroptans Holt & Tattersall, 1905a
 - Katerythroptans brasiliana Bacescu, 1984
 - Katerythroptans oceanae Holt & Tattersall, 1905a
 - Katerythroptans resimora Tattersall, O., 1955
 - Katerythroptans tattersalli Illig, 1930
 - Katerythroptans triangulata Panampunnayil, 1977
- Genus Liuimysis Wang, 1998
 - Liuimysis longicauda Wang, 1998
- Genus Longithorax Illig, 1906
 - Longithorax alicei Nouvel, 1942
 - Longithorax capensis Zimmer, 1914b
 - Longithorax fuscus Hansen, 1908a
 - Longithorax megalops Murano & Mauchline, 1999
 - Longithorax nouveli Tattersall, O., 1955
 - Longithorax similerythroptans Illig, 1906
- Genus Marumomysis Murano, 1999a
 - Marumomysis hakuhoae Murano, 1999a
- Genus Meierythroptans Murano, 1981
 - Meierythroptans pacifica Murano, 1981
 - Meierythroptans parvispinis Fukuoka & Murano, 2001a
- Genus Metamblyops Tattersall, W., 1907
 - Metamblyops macrops Tattersall, W., 1937
 - Metamblyops oculata Tattersall, W., 1907
 - Metamblyops philippinensis (Tattersall, W., 1951)
- Genus Meterythroptans Smith, 1879
 - Meterythroptans intermedius Fukuoka & Murano, 2006
 - Meterythroptans japonicus Murano, 1977a
 - Meterythroptans megalops Ii, 1964
 - Meterythroptans microphthalmus Tattersall, W., 1951
 - Meterythroptans pictus Holt & Tattersall, 1905a
 - Meterythroptans robustus Smith, 1879
 - Meterythroptans tenuispinis Fukuoka & Murano, 2006
- Genus Michthyops Tattersall, W., 1911
 - Michthyops arctica Petryashev, 1993

- Michthyops parva (Vanhöffen, 1897)
- Michthyops theeli (Ohlin, 1901b)
- Genus Michthyops? Tattersall, W., 1911
- Genus Michthyops? Tattersall, W., 1911
- Genus Michthyops? Tattersall, W., 1911
- Genus Mysimenzies Bacescu, 1971a
 - Mysimenzies hadalis Bacescu, 1971a
- Genus Nakazawaia Murano, 1981
 - Nakazawaia japonica Murano, 1981
 - Nakazawaia secunda Bravo & Murano, 1997a
- Genus Nipponerythrocs Murano, 1977a
 - Nipponerythrocs typica Murano, 1977a
- Genus Paramblyops Holt & Tattersall, 1905a
 - Paramblyops bidigitata Tattersall, W., 1911
 - Paramblyops brevirostris Tattersall, O., 1955
 - Paramblyops globorostris Birstein & Tchindonova, 1970
 - Paramblyops japonica Murano, 1981
 - Paramblyops rostratus Holt & Tattersall, 1905a
 - Paramblyops spatulicaudus Murano, 2002a
 - Paramblyops tenuicaudus Murano, 2002a
- Genus Parapseudomma Nouvel & Lagardère, 1976
 - Parapseudomma calloplura (Holt & Tattersall, 1905a)
- Genus Parerythrocs Sars, 1869
 - Parerythrocs affinis Birstein & Tchindonova, 1958
 - Parerythrocs bispinosa Nouvel & Lagardère, 1976
 - Parerythrocs lobiancoi Tattersall, W., 1909
 - Parerythrocs obesus (Sars, 1864)
 - Parerythrocs paucispinosa Nouvel & Lagardère, 1976
 - Parerythrocs spectabilis Sars, 1885b
- Genus Pleurerythrocs Ii, 1964
 - Pleurerythrocs americana Zoppi de Roa & Delgado, 1989
 - Pleurerythrocs constricta Panampunnayil, 1977
 - Pleurerythrocs inscita Ii, 1964
 - Pleurerythrocs monospinosa Liu & Wang, 1986
 - Pleurerythrocs secunda Murano, 1970
- Genus Pseudamblyops Ii, 1964
 - Pseudamblyops conicops Ii, 1964
- Genus Pseuderythrocs Coifmann, 1936
 - Pseuderythrocs gracilis Coifmann, 1936
 - Pseuderythrocs megalops Murano, 1998b
- Genus Pseudomma Sars, 1870a
 - Pseudomma affine Sars, 1870a
 - Pseudomma antarcticum Zimmer, 1914b
 - Pseudomma armatum Hansen, 1913c
 - Pseudomma australe (Sars, 1884)
 - Pseudomma belgicae (Hansen in MS) Holt & Tattersall, 1906a
 - Pseudomma berkeleyi Tattersall, W., 1933
 - Pseudomma bispinicaudum Murano, 1974b
 - Pseudomma brevicaudum Shen & Liu, 1989
 - Pseudomma brevisquamosum Murano, 1974b
 - Pseudomma californica (Bacescu & Gleye, 1979)
 - Pseudomma calmani Tattersall, O., 1955
 - Pseudomma chattoni Bacescu, 1941a
 - Pseudomma crassidentatum Murano, 1974b
 - Pseudomma frigidum Hansen, 1908a
 - Pseudomma heardi Stuck, 1981
 - Pseudomma intermedium Murano, 1974b

- Pseudomma islandicum Meland & Brattegard, 2007
- Pseudomma izuensis Murano, 1966a
- Pseudomma japonicum Murano, 1970
- Pseudomma jasi Meland & Brattegard, 1995
- Pseudomma kruppi Tattersall, W., 1909
- Pseudomma lamellicaudum Murano, 1974b
- Pseudomma latiphthalmum Murano, 1974b
- Pseudomma longicaudum Tattersall, O., 1955
- Pseudomma longisquamosum Murano, 1974b
- Pseudomma maasakii Meland & Brattegard, 2007
- Pseudomma magellanensis Tattersall, O., 1955
- Pseudomma marumoi Murano, 1974b
- Pseudomma matsuei Murano, 1966a
- Pseudomma minutum Tattersall, O., 1955
- Pseudomma multispina Birstein & Tchindonova, 1958
- Pseudomma nanum Holt & Tattersall, 1906b
- Pseudomma okiyamai Murano, 1974b
- Pseudomma roseum Sars, 1870a
- Pseudomma sarsi Sars, 1884
- Pseudomma schollaertensis Tattersall, O., 1955
- Pseudomma semispinosum Wang, 1998
- Pseudomma spinosum Wang, 1998
- Pseudomma surugae Murano, 1974b
- Pseudomma tanseii Murano, 1974b
- Pseudomma truncatum Smith, 1879
- Genus Pteromysis Li, 1964
 - Pteromysis amemiyai Li, 1964
- Genus Scolamblyops Murano, 1974a
 - Scolamblyops japonicus Murano, 1974a
 - Scolamblyops oculospinum (Tattersall, W., 1951)
- Genus Shenimysis Wang, 1998
 - Shenimysis cordata Wang, 1998
- Genus Synerythrocs Hansen, 1910
 - Synerythrocs cruciata Tattersall, W., 1951
 - Synerythrocs intermedia Hansen, 1910
 - Synerythrocs truncata Murano, 1975
- Genus Teratamblyops Murano, 2001a
 - Teratamblyops gracilura (Tattersall, W., 1907)
 - Teratamblyops philippinensis Murano, 2001a
 - Teratamblyops suluensis Murano, 2001a
- Genus Teraterythrocs Li, 1964
 - Teraterythrocs parva (Zimmer, 1914b)
 - Teraterythrocs robusta (Birstein & Tchindonova, 1958)
- Genus Thalassomysis Tattersall, W., 1939
 - Thalassomysis sewelli Tattersall, W., 1939
 - Thalassomysis tattersalli Nouvel, 1942
- Genus Unknown Murano, 1971
- Genus Unknown Murano, 1971
- Genus Unknown Murano, 1971
- Subfamily Gastrosaccinae Norman, 1892a
 - Genus Anchialina Norman & Scott, 1906
 - Anchialina agilis (Sars, 1877a)
 - Anchialina dantani Nouvel, 1944
 - Anchialina dentata Pillai, 1964
 - Anchialina flemingi Tattersall, W., 1943
 - Anchialina grossa Hansen, 1910
 - Anchialina latifrons Nouvel, 1971

- Anchialina lobatus Panampunnayil, 1999
- Anchialina madagascariensis Nouvel, 1969
- Anchialina media Li, 1964
- Anchialina obtusifrons Hansen, 1912
- Anchialina oculata Hoenigman, 1960
- Anchialina penicillata Zimmer, 1915a
- Anchialina pillaii Jo & Murano, 1992
- Anchialina sanzoi Coifmann, 1937a
- Anchialina truncata (Sars, 1884)
- Anchialina typica (Krøyer, 1861)
- Anchialina typica orientalis Nouvel, 1971
- Anchialina zimmeri Tattersall, W., 1951
- Genus Archaeomysis Czerniavsky, 1882a
 - Archaeomysis articulata Hanamura, 1997
 - Archaeomysis grebnitzkii Czerniavsky, 1882a
 - Archaeomysis japonica Hanamura et al., 1996
 - Archaeomysis kokuboi Li, 1964
 - Archaeomysis ochotensis Hanamura, 1997
 - Archaeomysis vulgaris (Nakazawa, 1910)
- Genus Bowmaniella Heard & Price, 2006
 - Bowmaniella banneri (Bacescu, 1968b)
 - Bowmaniella dissimilis (Coifmann, 1937b)
- Genus Coifmanniella Heard & Price, 2006
 - Coifmanniella johnsoni (Tattersall, W., 1937)
 - Coifmanniella merjonesi (Bacescu, 1968b)
 - Coifmanniella mexicana (Tattersall, W., 1951)
 - Coifmanniella parageia (Brattegard, 1970a)
- Genus Eurobowmaniella Murano, 1995c
 - Eurobowmaniella muticus (Tattersall, W., 1915)
 - Eurobowmaniella simulans (Tattersall, W., 1915)
- Genus Gastrosaccus Norman, 1868
 - Gastrosaccus australis Tattersall, W., 1923
 - Gastrosaccus bispinosa Wooldridge, 1978
 - Gastrosaccus brevifissura Tattersall, O., 1952
 - Gastrosaccus daviei Bacescu & Udrescu, 1982
 - Gastrosaccus dunckeri Zimmer, 1915a
 - Gastrosaccus kempi Tattersall, W., 1922
 - Gastrosaccus longifissura Wooldridge, 1978
 - Gastrosaccus madagascariensis Wooldridge et al., 1997
 - Gastrosaccus mediterraneus Bacescu, 1970a
 - Gastrosaccus mozambicus Wooldridge & Mees, 2003
 - Gastrosaccus msangii Bacescu, 1975
 - Gastrosaccus namibensis Wooldridge & McLachlan, 1987
 - Gastrosaccus olivae Bacescu, 1970a
 - Gastrosaccus psammodytes Tattersall, O., 1958
 - Gastrosaccus roscoffensis Bacescu, 1970a
 - Gastrosaccus sanctus (Van Beneden, 1861b)
 - Gastrosaccus sarae Panampunnayil, 1999
 - Gastrosaccus sorrentoensis Wooldridge & McLachlan, 1986
 - Gastrosaccus spinifer (Goës, 1863)
 - Gastrosaccus trilobatus Murano & McLachlan, 1998
 - Gastrosaccus wittmanni Deprez et al., 2000
- Genus Haplostylus Kossmann, 1877
 - Haplostylus australiensis Wooldridge et al., 1992
 - Haplostylus bacescui Hatzakis, 1977
 - Haplostylus bengalensis (Hansen, 1910)
 - Haplostylus brisbanensis (Bacescu & Udrescu, 1982)

- Haplostylus dakini (Tattersall, W., 1940)
- Haplostylus dispar Panampunnayil, 1997
- Haplostylus erythraeus Kossmann, 1877
- Haplostylus estafricana Bacescu, 1973c
- Haplostylus flagelliforma Panampunnayil, 1997
- Haplostylus indicus (Hansen, 1910)
- Haplostylus lobatus (Nouvel, 1951)
- Haplostylus magnilobatus (Bacescu & Schiecke, 1974)
- Haplostylus multispinosus Panampunnayil, 1997
- Haplostylus normani (Sars, 1877a)
- Haplostylus pacificus (Hansen, 1912)
- Haplostylus parerythraeus (Nouvel, 1944)
- Haplostylus parvus (Hansen, 1910)
- Haplostylus pusillus (Coifmann, 1937a)
- Haplostylus quadrispinosus Wooldridge & Victor, 2004
- Haplostylus queenslandensis (Bacescu & Udrescu, 1982)
- Haplostylus robusta (Panampunnayil, 1989)
- Haplostylus similis Panampunnayil, 1997
- Haplostylus tattersalli Fenton, 1990b
- Haplostylus tenuicaudus Hanamura, 1998
- Haplostylus udrescui Greenwood et al., 1991
- Haplostylus uthupus Panampunnayil, 1997
- Genus *Iiella* Bacescu, 1968b
 - Iiella elegans* (Tattersall, O., 1960)
 - Iiella formosensis* (Ii, 1964)
 - Iiella hibii* (Ii, 1964)
 - Iiella hispida* Jo & Murano, 1992
 - Iiella iriomotensis* Fukuoka & Murano, 1997
 - Iiella kojimaensis* (Nakazawa, 1910)
 - Iiella ohshimai* (Ii, 1964)
 - Iiella pelagica* (Ii, 1964)
- Genus *Paranchialina* Hansen, 1910
 - Paranchialina angusta* (Sars, 1884)
 - Paranchialina secunda* Panampunnayil, 1986
- Genus *Pseudanchialina* Hansen, 1910
 - Pseudanchialina erythraea* Nouvel, 1944
 - Pseudanchialina inermis* (Illig, 1906)
 - Pseudanchialina pusilla* (Sars, 1884)
 - Pseudanchialina sibogae* Nouvel, 1944
- Subfamily *Heteromysinae* Norman, 1892a
 - Genus *Burrimysis* Jaume & Garcia, 1993
 - Burrimysis palmeri* Jaume & Garcia, 1993
 - Genus *Deltamysis* Bowman & Orsi, 1992
 - Deltamysis holmquistae* Bowman & Orsi, 1992
 - Genus *Harmelinella* Ledoyer, 1989
 - Harmelinella mariannae* Ledoyer, 1989
 - Genus *Heteromysis* Smith, 1873
 - Heteromysis actinae* Clarke, 1955
 - Heteromysis agelas* Modlin, 1987a
 - Heteromysis atlantidea* Tattersall, O., 1961b
 - Heteromysis beetoni* Modlin, 1984
 - Heteromysis bredini* Brattegard, 1970b
 - Heteromysis brucei* Tattersall, O., 1967
 - Heteromysis cyanogoleus* Bamber, 2000c
 - Heteromysis dentata* Hanamura & Kase, 2001a
 - Heteromysis digitata* Tattersall, W., 1927b
 - Heteromysis dispar* Brattegard, 1970b

- Heteromysis disrupta Brattegard, 1970b
- Heteromysis elegans Brattegard, 1974a
- Heteromysis filitelsona Modlin, 1984
- Heteromysis floridensis Brattegard, 1969
- Heteromysis formosa Smith, 1873
- Heteromysis hopkinsi Modlin, 1984
- Heteromysis inflaticauda Wang, 1998
- Heteromysis japonica Murano & Hanamura, 2002
- Heteromysis kensleyi Modlin, 1987b
- Heteromysis komaii Fukuoka, 2005
- Heteromysis kossmanni Nouvel, 1964b
- Heteromysis kushimotensis Murano & Fukuoka, 2003b
- Heteromysis longiloba Hanamura & Kase, 2001a
- Heteromysis macropsis Pillai, 1961
- Heteromysis mexicana Escobar-Briones & Soto, 1990
- Heteromysis minuta Tattersall, O., 1967
- Heteromysis mureseanui Bacescu, 1986a
- Heteromysis nomurai Murano & Fukuoka, 2003b
- Heteromysis nouveli Brattegard, 1969
- Heteromysis odontops Walker, 1898
- Heteromysis pacifica Tattersall, O., 1967
- Heteromysis panamaensis Tattersall, O., 1967
- Heteromysis proxima Tattersall, W., 1922
- Heteromysis rubrocincta Bacescu, 1968c
- Heteromysis sicilisetia Brattegard, 1970b
- Heteromysis singaporensis Tattersall, O., 1967
- Heteromysis tattersalli Nouvel, 1942
- Heteromysis thailandica Fukuoka & Murano, 2002b
- Heteromysis tuberculospina Modlin, 1987c
- Heteromysis xanthops Li, 1964
- Subgenus (Gnathomysis) Bonnier & Perez, 1902
 - Heteromysis (Gnathomysis) gerlachei (Bonnier & Perez, 1902)
 - Heteromysis (Gnathomysis) harpax (Hilgendorf, 1879)
 - Heteromysis (Gnathomysis) harpaxoides Bacescu & Bruce, 1980
 - Heteromysis (Gnathomysis) stellata Bacescu & Bruce, 1980
- Subgenus (Heteromysis) Bacescu, 1968c
 - Heteromysis (Heteromysis) ariani Wittmann, 2000
 - Heteromysis (Heteromysis) armoricana Nouvel, 1940
 - Heteromysis (Heteromysis) australica Bacescu & Bruce, 1980
 - Heteromysis (Heteromysis) communis Bacescu, 1986b
 - Heteromysis (Heteromysis) eideri Bacescu, 1941a
 - Heteromysis (Heteromysis) gracilis Murano, 1988
 - Heteromysis (Heteromysis) gymnura Tattersall, W., 1922
 - Heteromysis (Heteromysis) heronensis Bacescu, 1979a
 - Heteromysis (Heteromysis) lybiana Bacescu, 1976
 - Heteromysis (Heteromysis) microps (Sars, 1877a)
 - Heteromysis (Heteromysis) norvegica Sars, 1883b
 - Heteromysis (Heteromysis) riedli Wittmann, 2001
 - Heteromysis (Heteromysis) spinosa Bacescu, 1986b
 - Heteromysis (Heteromysis) spottei Price & Heard, 2000
 - Heteromysis (Heteromysis) tasmanica Tattersall, W., 1927a
 - Heteromysis (Heteromysis) tethysiana Bacescu, 1983
- Subgenus (Neoheteromysis) Bacescu, 1976
 - Heteromysis (Neoheteromysis) muelleri Bacescu, 1976
- Subgenus (Olivemysis) Bacescu, 1968c
 - Heteromysis (Olivemysis) abrucei Bacescu, 1979a
 - Heteromysis (Olivemysis) bermudensis bermudensis Sars, 1885a

- Heteromysis (Olivemysis) bermudensis cesari Bacescu, 1968c
- Heteromysis (Olivemysis) coralina Modlin, 1987b
- Heteromysis (Olivemysis) dardani Wittmann, 2008
- Heteromysis (Olivemysis) ebanksae Price & Heard, 2008
- Heteromysis (Olivemysis) essingtonensis Murano, 1988
- Heteromysis (Olivemysis) gomezi Bacescu, 1970b
- Heteromysis (Olivemysis) guitarti Bacescu, 1968c
- Heteromysis (Olivemysis) macrophthalma Bacescu, 1983
- Heteromysis (Olivemysis) mariani Bacescu, 1970b
- Heteromysis (Olivemysis) maxima Murano, 1998a
- Heteromysis (Olivemysis) mayana Brattegard, 1970b
- Heteromysis (Olivemysis) meenakshiae Bamber, 2000d
- Heteromysis (Olivemysis) quadrispinosa Murano, 1988
- Heteromysis (Olivemysis) sexspinosa Murano, 1988
- Heteromysis (Olivemysis) tenuispina Murano, 1988
- Heteromysis (Olivemysis) waitei Tattersall, W., 1927a
- Heteromysis (Olivemysis) wirtzi Wittmann, 2008
- Heteromysis (Olivemysis) zeylanica Tattersall, W., 1922
- Genus Heteromysoides Bacescu, 1968c
 - Heteromysoides berberae Bacescu & Müller, 1985
 - Heteromysoides cotti (Calman, 1932)
 - Heteromysoides dennisi Bowman, 1985
 - Heteromysoides longiseta Bacescu, 1983
 - Heteromysoides macrops Murano, 1988
 - Heteromysoides nana Murano, 1998a
 - Heteromysoides sahalensis Murano, 1998a
 - Heteromysoides simplex Hanamura & Kase, 2001b
 - Heteromysoides spongicola Bacescu, 1968c
 - Heteromysoides stenoura Hanamura & Kase, 2004
- Genus Kochimysis Panampunnayil & Biju, 2007
 - Kochimysis pillaii Panampunnayil & Biju, 2007
- Genus Mysidetes Holt & Tattersall, 1906b
 - Mysidetes anomala Tattersall, O., 1955
 - Mysidetes antarctica Tattersall, O., 1965b
 - Mysidetes brachylepis Tattersall, W., 1923
 - Mysidetes crassa Hansen, 1913c
 - Mysidetes dimorpha Tattersall, O., 1955
 - Mysidetes farrani (Holt & Tattersall, 1905a)
 - Mysidetes halope O'Brien, 1986
 - Mysidetes hanseni Zimmer, 1914b
 - Mysidetes intermedia Tattersall, O., 1955
 - Mysidetes kerguelensis (Illig, 1906)
 - Mysidetes macrops Tattersall, O., 1955
 - Mysidetes microps Tattersall, O., 1955
 - Mysidetes morbihanensis Ledoyer, 1995
 - Mysidetes patagonica Tattersall, O., 1955
 - Mysidetes peruana Bacescu, 1967
 - Mysidetes posthon Holt & Tattersall, 1906a
- Genus Platymysis Brattegard, 1980
 - Platymysis facilis Brattegard, 1980
- Genus Pseudomysidetes Tattersall, W., 1936a
 - Pseudomysidetes cochinensis Panampunnayil, 1977
 - Pseudomysidetes japonicus Bravo & Murano, 1996a
 - Pseudomysidetes nudus Fukuoka & Murano, 2002b
 - Pseudomysidetes russelli Tattersall, W., 1936a
- Genus Retromysis Wittmann, 2004
 - Retromysis nura Wittmann, 2004

Subfamily Leptomysinae Hansen, 1910

Genus *Afromysis* Zimmer, 1916

- Afromysis bainbridgei* Tattersall, O., 1957
- Afromysis dentisinus* Pillai, 1957
- Afromysis guinensis* Bacescu, 1968a
- Afromysis hansonii* Zimmer, 1916
- Afromysis kensleyi* Wooldridge & Victor, 2005
- Afromysis macropsis* Tattersall, W., 1922
- Afromysis ornata* Tattersall, O., 1957

Genus *Americamysis* Price et al., 1994

- Americamysis alleni* Price et al., 1994
- Americamysis almyra* (Bowman, 1964)
- Americamysis bahia* (Molenock, 1969)
- Americamysis bigelowi* (Tattersall, W., 1926)
- Americamysis stucki* Price et al., 1994
- Americamysis taironana* (Brattegard, 1973)

Genus *Antichthomysis* Fenton, 1991

- Antichthomysis notidana* Fenton, 1991

Genus *Australomysis* Tattersall, W., 1927a

- Australomysis acuta* Tattersall, W., 1927a
- Australomysis aseta* (Bacescu & Udrescu, 1982)
- Australomysis hispida* Fukuoka & Murano, 1994
- Australomysis incisa* (Sars, 1884)
- Australomysis reubeni* Panampunnayil, 1992

Genus *Bathymysis* Tattersall, W., 1907

- Bathymysis distincta* Bravo & Murano, 1996c
- Bathymysis helgae* Tattersall, W., 1907

Genus *Brasilomysis* Bacescu, 1968a

- Brasilomysis castroi* Bacescu, 1968a
- Brasilomysis inermis* (Coifmann, 1937b)

Genus *Ceratodoxomysis* Murano, 2003

- Ceratodoxomysis robustispina* Murano, 2003

Genus *Cubanomysis* Bacescu, 1968d

- Cubanomysis jimenezi* Bacescu, 1968d
- Cubanomysis mysteriosa* Gleye, 1982

Genus *Dioptrromysis* Zimmer, 1915a

- Dioptrromysis djiboutiensis* Bacescu, 1979b
- Dioptrromysis paucispinosa* Brattegard, 1969
- Dioptrromysis perspicillata* Zimmer, 1915a
- Dioptrromysis proxima* Nouvel, 1964a
- Dioptrromysis spinosa* Brattegard, 1969

Genus *Doxomysis* Hansen, 1912

- Doxomysis acanthina* Talbot, 1997
- Doxomysis algoaensis* Wooldridge & Mees, 2000
- Doxomysis anomala* Tattersall, W., 1922
- Doxomysis australiensis* (Tattersall, W., 1940)
- Doxomysis brucei* Murano, 1990a
- Doxomysis hanseni* Colosi, 1920
- Doxomysis johnsoni* Panampunnayil, 1986
- Doxomysis microps* Colosi, 1920
- Doxomysis murariui* Bacescu, 1993
- Doxomysis nicobaris* Panampunnayil, 2002
- Doxomysis proxima* Bacescu & Udrescu, 1982
- Doxomysis quadrispinosa* (Illig, 1906)
- Doxomysis rinkaiensis* Valbonesi & Murano, 1980
- Doxomysis sanuriensis* Bacescu, 1993
- Doxomysis spinata* Murano, 1990a

- Doxomysis zimmeri Colosi, 1920
- Genus *Hyperimysis* Nouvel, 1966b
 - Hyperimysis madagascariensis* Nouvel, 1966b
- Genus *Iimysis* Nouvel, 1966a
 - Iimysis atlantica* (Nouvel, 1942)
 - Iimysis orientalis* (Ii, 1937)
- Genus *Leptomysis* Sars, 1869
 - Leptomysis buergii* Bacescu, 1966
 - Leptomysis capensis* Illig, 1906
 - Leptomysis gracilis* (Sars, 1864)
 - Leptomysis heterophila* Wittmann, 1986b
 - Leptomysis lingvura lingvura* (Sars, 1866)
 - Leptomysis longisquama* Panampunnayil, 1986
 - Leptomysis mediterranea mediterranea* Sars, 1877a
 - Leptomysis megalops* Zimmer, 1915b
 - Leptomysis posidoniae* Wittmann, 1986b
 - Leptomysis tattersalli* Tattersall, O., 1952
 - Leptomysis truncata truncata* (Heller, 1863)
- Genus *Megalopsis* Panampunnayil, 1987
 - Megalopsis denticauda* Panampunnayil, 1987
- Genus *Metamysidopsis* Tattersall, W., 1951
 - Metamysidopsis elongata* (Holmes, 1900)
 - Metamysidopsis insularis* Brattegard, 1970b
 - Metamysidopsis macaensis* Silva, 1970a
 - Metamysidopsis mexicana* Bacescu, 1969
 - Metamysidopsis munda* (Zimmer, 1918)
 - Metamysidopsis neritica* Bond-Buckup & Tavares, 1992
 - Metamysidopsis pacifica* (Zimmer, 1918)
 - Metamysidopsis swifti* Bacescu, 1969
- Genus *Mysideis* Sars, 1869
 - Mysideis insignis* (Sars, 1864)
 - Mysideis parva* Zimmer, 1915b
- Genus *Mysidopsis* Sars, 1864
 - Mysidopsis acuta* Hansen, 1913c
 - Mysidopsis angusta* Sars, 1864
 - Mysidopsis ankei* Brattegard, 1973
 - Mysidopsis arenosa* Brattegard, 1974b
 - Mysidopsis badius* Modlin, 1987c
 - Mysidopsis bispinosa* Tattersall, O., 1969
 - Mysidopsis bispinulata* Brattegard, 1974a
 - Mysidopsis brattegardii* Bacescu & Gleye, 1979
 - Mysidopsis brattstroemi* Brattegard, 1969
 - Mysidopsis buffaloensis* Wooldridge, 1988
 - Mysidopsis californica* Tattersall, W., 1932a
 - Mysidopsis camelina* Tattersall, O., 1955
 - Mysidopsis cathengelae* Gleye, 1982
 - Mysidopsis coelhoi* Bacescu, 1968d
 - Mysidopsis cojimarensis* Ortiz & Lalana, 1993
 - Mysidopsis coralicola* Bacescu, 1975
 - Mysidopsis cultrata* Brattegard, 1973
 - Mysidopsis didelphys* (Norman, 1863)
 - Mysidopsis eclipses* Brattegard, 1969
 - Mysidopsis eremita* Tattersall, O., 1962
 - Mysidopsis furca* Bowman, 1957
 - Mysidopsis gibbosa* Sars, 1864
 - Mysidopsis hellvillensis* Nouvel, 1964a
 - Mysidopsis indica* Tattersall, W., 1922

- Mysidopsis intii Holmquist, 1957
- Mysidopsis japonica Li, 1964
- Mysidopsis juniae Silva, 1979
- Mysidopsis kempii Tattersall, W., 1922
- Mysidopsis kenya Bacescu & Vasilescu, 1973
- Mysidopsis lata Bravo & Murano, 1996b
- Mysidopsis major (Zimmer, 1928)
- Mysidopsis mathewsoni Brattegard, 1969
- Mysidopsis mauchlinei Brattegard, 1974b
- Mysidopsis mortenseni Tattersall, W., 1951
- Mysidopsis onofrensis Bacescu & Gleye, 1979
- Mysidopsis rionegrensis Hoffmeyer, 1990b
- Mysidopsis robusta Brattegard, 1974a
- Mysidopsis robustispina Brattegard, 1969
- Mysidopsis sankarankuttyi Bacescu, 1984
- Mysidopsis schultzei (Zimmer, 1928)
- Mysidopsis scintillae Reis & Silva, 1987
- Mysidopsis similis (Zimmer, 1928)
- Mysidopsis suedafrikana Tattersall, O., 1969
- Mysidopsis surugae Murano, 1970
- Mysidopsis tortonesei Bacescu, 1968d
- Mysidopsis velifera Brattegard, 1973
- Mysidopsis virgulata Brattegard, 1974a
- Genus Mysifaun Wittmann, 1996
 - Mysifaun erigens Wittmann, 1996
- Genus Neobathymysis Bravo & Murano, 1996c
 - Neobathymysis japonica Bravo & Murano, 1996c
 - Neobathymysis renocolata (Tattersall, W., 1951)
- Genus Neodoxomysis Murano, 1999b
 - Neodoxomysis elongata Murano, 1999b
 - Neodoxomysis littoralis (Tattersall, W., 1922)
 - Neodoxomysis sahalensis Murano, 1999b
- Genus Notomysis Wittmann, 1986c
 - Notomysis australiensis (Tattersall, W., 1927a)
- Genus Nouvelia Bacescu & Vasilescu, 1973
 - Nouvelia natalensis (Tattersall, O., 1952)
 - Nouvelia nigeriensis (Tattersall, O., 1957)
 - Nouvelia valdiviae (Illig, 1906)
- Genus Paraleptomysis Liu & Wang, 1983a
 - Paraleptomysis apiops (Sars, 1877a)
 - Paraleptomysis banyulensis (Bacescu, 1966)
 - Paraleptomysis dimorpha Wittmann, 1986a
 - Paraleptomysis sinensis Liu & Wang, 1983a
 - Paraleptomysis xenops (Tattersall, W., 1922)
- Genus Prionomysis Tattersall, W., 1922
 - Prionomysis aspera Li, 1937
 - Prionomysis australiensis Murano, 1990a
 - Prionomysis ryukyuensis Fukuoka, 2006
 - Prionomysis stenolepis Tattersall, W., 1922
- Genus Promysis Dana, 1850
 - Promysis atlantica Tattersall, W., 1923
 - Promysis orientalis Dana, 1852c
- Genus Pseudomysis Sars, 1879a
 - Pseudomysis abyssii Sars, 1879a
 - Pseudomysis dactylops Tattersall, W., 1951
- Genus Pseudoxomysis Nouvel, 1973a
 - Pseudoxomysis caudaensis Nouvel, 1973a

- Pseudoxomysis incisa Murano, 2001b
- Pseudoxomysis longiura (Pillai, 1963a)
- Genus Pyroleptomysis Wittmann, 1985
 - Pyroleptomysis peresi (Bacescu, 1966)
 - Pyroleptomysis rubra Wittmann, 1985
 - Rostromysis bacescuii Panampunnayil, 1987
- Genus Tenagomysis Thomson, 1900
 - Tenagomysis australis Fenton, 1991b
 - Tenagomysis bruniensis Fenton, 1991b
 - Tenagomysis chiltoni Tattersall, W., 1923
 - Tenagomysis longipes Murano, 2006
 - Tenagomysis longisquama Fukuoka & Bruce, 2005
 - Tenagomysis macropsis Tattersall, W., 1923
 - Tenagomysis novaezealandiae Thomson, 1900
 - Tenagomysis producta Tattersall, W., 1923
 - Tenagomysis robusta Tattersall, W., 1923
 - Tenagomysis scotti Tattersall, W., 1923
 - Tenagomysis similis Tattersall, W., 1923
 - Tenagomysis tanzaniana Bacescu, 1975
 - Tenagomysis tasmaniae Fenton, 1991b
 - Tenagomysis tenuipes Tattersall, W., 1918
 - Tenagomysis thomsoni Tattersall, W., 1923
- Genus Unknown2 Murano, 2006
- Subfamily Mancomysinae Bacescu & Iliffe, 1986b
 - Genus Palaumysis Bacescu & Iliffe, 1986b
 - Palaumysis bahamensis Pesce & Iliffe, 2002
 - Palaumysis philippinensis Hanamura & Kase, 2002
 - Palaumysis pilifera Hanamura & Kase, 2003
 - Palaumysis simonae Bacescu & Iliffe, 1986b
- Subfamily Mysidellinae Czerniavsky, 1882a
 - Genus Mysidella Sars, 1872
 - Mysidella americana Banner, 1948b
 - Mysidella australiana Fenton, 1990a
 - Mysidella biscayensis Lagardère & Nouvel, 1980
 - Mysidella incisa Wang, 1998
 - Mysidella macrophthalma Murano, 2002b
 - Mysidella minuta Brattegard, 1973
 - Mysidella mukaii Murano, 2002b
 - Mysidella nana Murano, 1970
 - Mysidella orientalis Murano, 2002b
 - Mysidella rotundincisa Wang, 1998
 - Mysidella sulcata Murano, 2002b
 - Mysidella tanakai Ii, 1964
 - Mysidella tenuicauda Wang, 1998
 - Mysidella truncata Murano, 2002b
 - Mysidella typhlops Sars, 1872
 - Mysidella typica Sars, 1872
- Subfamily Mysinae Haworth, 1825
- Subfamily Mysinae Haworth, 1825
- Subfamily Mysinae Haworth, 1825
- Subfamily Mysinae Haworth, 1825
 - Genus Acanthomysis Czerniavsky, 1882a
 - Acanthomysis anomala Pillai, 1961
 - Acanthomysis bispinosa Bacescu, 1979b
 - Acanthomysis borealis Banner, 1954
 - Acanthomysis brucei Fukuoka & Murano, 2002b
 - Acanthomysis californica Murano & Chess, 1987

- Acanthomysis fluviatilis (Babueva, 1988)
- Acanthomysis indica (Tattersall, W., 1922)
- Acanthomysis longicornis (Milne-Edwards, 1837)
- Acanthomysis longispina Fukuoka & Murano, 2002b
- Acanthomysis macrops Pillai, 1973
- Acanthomysis ornata Tattersall, O., 1965a
- Acanthomysis pelagica (Pillai, 1957)
- Acanthomysis platycauda (Pillai, 1961)
- Acanthomysis quadrispinosa Nouvel, 1965
- Acanthomysis stelleri (Derzhavin, 1913)
- Acanthomysis strauschi (Czerniavsky, 1882b)
- Acanthomysis thailandica Murano, 1986c
- Acanthomysis trophopristes Tattersall, O., 1957
- Genus Alienacanthomysis Holmquist, 1981b
 - Alienacanthomysis macropsis (Tattersall, W., 1932b)
- Genus Anisomysis Hansen, 1910
 - Anisomysis arabica Wooldridge & Victor, 2004
 - Anisomysis bacescui Pillai, 1976
 - Anisomysis comorensis Wooldridge & Mees, 2004
 - Anisomysis gutzuii (Bacescu, 1992)
 - Anisomysis ijimai estafricana Bacescu, 1973c
 - Anisomysis mixta australis Zimmer, 1918
 - Anisomysis unispinosa Wooldridge & Mees, 2004
- Subgenus (Anisomysis) Hansen, 1910
 - Anisomysis (Anisomysis) aikawai Ii, 1964
 - Anisomysis (Anisomysis) akajimaensis Murano, 1990b
 - Anisomysis (Anisomysis) australis Zimmer, 1918
 - Anisomysis (Anisomysis) bifurcata Tattersall, W., 1912a
 - Anisomysis (Anisomysis) boraboraensis Murano, 1995b
 - Anisomysis (Anisomysis) brevicauda Wang, 1989
 - Anisomysis (Anisomysis) chessi Murano, 1983
 - Anisomysis (Anisomysis) enewetakensis Murano, 1983
 - Anisomysis (Anisomysis) extranea Murano, 1995b
 - Anisomysis (Anisomysis) hanseni Nouvel, 1967
 - Anisomysis (Anisomysis) hashizumei Fukuoka & Murano, 1997
 - Anisomysis (Anisomysis) hawaiiensis Murano, 1995b
 - Anisomysis (Anisomysis) incisa Tattersall, W., 1936a
 - Anisomysis (Anisomysis) kunduchiana Bacescu, 1975
 - Anisomysis (Anisomysis) laticauda Hansen, 1910
 - Anisomysis (Anisomysis) levi Bacescu, 1973b
 - Anisomysis (Anisomysis) maldivensis Murano & Fukuoka, 2003a
 - Anisomysis (Anisomysis) megalops (Illig, 1913b)
 - Anisomysis (Anisomysis) minuta Liu & Wang, 1983b
 - Anisomysis (Anisomysis) mixta Nakazawa, 1910
 - Anisomysis (Anisomysis) mullini Murano, 1987
 - Anisomysis (Anisomysis) nana Murano, 1995a
 - Anisomysis (Anisomysis) parvispina Murano & Fukuoka, 2003a
 - Anisomysis (Anisomysis) pelewensis Ii, 1964
 - Anisomysis (Anisomysis) quadrispinosa Wang, 1989
 - Anisomysis (Anisomysis) robustispina Panampunnayil, 1984
 - Anisomysis (Anisomysis) rotunda Murano & Fukuoka, 2003a
 - Anisomysis (Anisomysis) sirielloides Bacescu, 1975
 - Anisomysis (Anisomysis) spinata Panampunnayil, 1993
 - Anisomysis (Anisomysis) thurneysseni Nouvel, 1973b
 - Anisomysis (Anisomysis) truncata Panampunnayil, 1993
 - Anisomysis (Anisomysis) vasseuri Ledoyer, 1974b
- Subgenus (Javanisomysis) Bacescu, 1992

- Subgenus (Paranisomysis) Bacescu, 1973b
 - Anisomysis (Paranisomysis) acuminata Murano, 1990b
 - Anisomysis (Paranisomysis) constricta Murano, 1983
 - Anisomysis (Paranisomysis) gracilis Panampunnayil, 1984
 - Anisomysis (Paranisomysis) hosakai Murano, 1990b
 - Anisomysis (Paranisomysis) ijimai Nakazawa, 1910
 - Anisomysis (Paranisomysis) laccadivei Panampunnayil, 1981b
 - Anisomysis (Paranisomysis) lamellicauda (Hansen, 1912)
 - Anisomysis (Paranisomysis) marisrubri Bacescu, 1973d
 - Anisomysis (Paranisomysis) minicoyensis Biju et al., 2006
 - Anisomysis (Paranisomysis) modestiangusta Murano & Fukuoka, 2003a
 - Anisomysis (Paranisomysis) ohtsukai Murano, 1994
 - Anisomysis (Paranisomysis) omorii Murano & Fukuoka, 2003a
 - Anisomysis (Paranisomysis) parvisinuosa Murano & Fukuoka, 2003a
 - Anisomysis (Paranisomysis) ryukyuensis Murano, 1990b
 - Anisomysis (Paranisomysis) spatulispina Murano, 1995a
- Subgenus (Pseudanisomysis) Murano & Fukuoka, 2003a
 - Anisomysis (Pseudanisomysis) bipartoculata Ii, 1964
 - Anisomysis (Pseudanisomysis) hispida Pillai, 1973
 - Anisomysis (Pseudanisomysis) tattersallae Pillai, 1973
 - Anisomysis (Pseudanisomysis) xenops (Tattersall, W., 1943)
- Genus *Antarctomysis* Coutière, 1906
 - Antarctomysis maxima* (Holt & Tattersall, 1906a)
 - Antarctomysis ohlinii* Hansen, 1908b
 - Antarctomysis profunda* Ledoyer, 1990
- Genus *Antromysis* Creaser, 1936
 - Antromysis anophelinae* Tattersall, W., 1951
 - Antromysis cenotensis* Creaser, 1936
 - Antromysis cubanica* Bacescu & Orghidan, 1971
 - Antromysis juberthiei* Bacescu & Orghidan, 1977
 - Antromysis peckorum* Bowman, 1977
 - Antromysis reddelli* Bowman, 1977
- Genus *Arthromysis* Colosi, 1924
 - Arthromysis magellanica* (Cunningham, 1871)
- Genus *Bermudamysis* Bacescu & Iliffe, 1986a
 - Bermudamysis speluncola* Bacescu & Iliffe, 1986a
- Genus *Boreoacanthomysis* Fukuoka & Murano, 2004
 - Boreoacanthomysis schrencki* (Czerniavsky, 1882b)
- Genus *Caspiomysis* Sars, 1907
 - Caspiomysis knipowitschi* Sars, 1907
- Genus *Columbiaemysis* Holmquist, 1982
 - Columbiaemysis ignota* Holmquist, 1982
- Genus *Diamysis* Czerniavsky, 1883
 - Diamysis bacescui* Wittmann & Ariani, 1998
 - Diamysis bahirensis* (Sars, 1877a)
 - Diamysis camassai* Ariani & Wittmann, 2002
 - Diamysis frontieri* Nouvel, 1965
 - Diamysis lagunaris* Ariani & Wittmann, 2000
 - Diamysis mecznikovi* (Czerniavsky, 1882a)
 - Diamysis mesohalobia gracilipes* Ariani & Wittmann, 2000
 - Diamysis mesohalobia heterandra* Ariani & Wittmann, 2000
 - Diamysis mesohalobia mesohalobia* Ariani & Wittmann, 2000
 - Diamysis pengoi* (Czerniavsky, 1882a)
 - Diamysis pusilla* (Sars, 1907)
- Genus *Disacanthomysis* Holmquist, 1981b
 - Disacanthomysis dybowskii* (Derzhavin, 1913)
- Genus *Exacanthomysis* Holmquist, 1981a

- Exacanthomysis alaskensis (Banner, 1954)
- Exacanthomysis arctopacifica Holmquist, 1981a
- Exacanthomysis davisii (Banner, 1948b)
- Exacanthomysis japonica Murano, 1991
- Genus Gangemysis Derzhavin, 1924
 - Gangemysis assimilis (Tattersall, W., 1908b)
- Genus Gironomysis Ortiz et al., 1997
 - Gironomysis lalanai Ortiz et al., 1997
- Genus Halemysis Bacescu & Udrescu, 1984
 - Halemysis australiensis Bacescu & Udrescu, 1984
- Genus Hemiacanthomysis Fukuoka & Murano, 2002a
 - Hemiacanthomysis dimorpha (Li, 1936a)
- Genus Hemimysis Sars, M., 1869
 - Hemimysis abyssicola Sars, 1869
 - Hemimysis anomala Sars, 1907
 - Hemimysis lamornae lamornae (Couch, 1856)
 - Hemimysis maderensis Ledoyer, 1989
 - Hemimysis margalefi Alcaraz et al., 1986
 - Hemimysis serrata Bacescu, 1938b
 - Hemimysis sophiae Ledoyer, 1989
 - Hemimysis spelunca Ledoyer, 1963
 - Hemimysis spinifera Ledoyer, 1989
- Genus Hippacanthomysis Murano & Chess, 1987
 - Hippacanthomysis platypoda Murano & Chess, 1987
- Genus Holmesimysis Holmquist, 1979
 - Holmesimysis costata (Holmes, 1900)
 - Holmesimysis nuda (Banner, 1948b)
 - Holmesimysis nudensis Holmquist, 1979
 - Holmesimysis sculpta (Tattersall, W., 1933)
 - Holmesimysis sculptoides Holmquist, 1979
- Genus Hyperacanthomysis Fukuoka & Murano, 2000a
 - Hyperacanthomysis brevirostris (Wang & Liu, 1997)
 - Hyperacanthomysis longirostris (Li, 1936a)
- Genus Hyperstilomysis Fukuoka et al., 2005
 - Hyperstilomysis secunda (Valbonesi & Murano, 1980)
- Genus Idiomysis Tattersall, W., 1922
 - Idiomysis inermis Tattersall, W., 1922
 - Idiomysis japonica Murano, 1978
 - Idiomysis mozambicus Deprez et al., 2001
 - Idiomysis tsumamali Bacescu, 1973a
- Genus Indomysis Tattersall, W., 1914
 - Indomysis annandalei Tattersall, W., 1914
- Genus Inusitatomysis Li, 1940a
 - Inusitatomysis insolita Li, 1940a
- Genus Kainommatomysis Tattersall, W., 1927b
 - Kainommatomysis foxi Tattersall, W., 1927b
 - Kainommatomysis schieckei Bacescu, 1973d
- Genus Katamysis Sars, 1893
 - Katamysis warpachowskyi Sars, 1893
- Genus Limnomysis Czerniavsky, 1882a
 - Limnomysis benedeni Czerniavsky, 1882a
- Genus Lycomysis Hansen, 1910
 - Lycomysis bispina Li, 1940a
 - Lycomysis platycauda Pillai, 1961
 - Lycomysis spinicauda Hansen, 1910
- Genus Mesacanthomysis Nouvel, 1967
 - Mesacanthomysis pygmaea Nouvel, 1967

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- Genus *Mesopodopsis* Czerniavsky, 1882a
 - Mesopodopsis aegyptica* Wittmann, 1992
 - Mesopodopsis africana* Tattersall, O., 1952
 - Mesopodopsis orientalis* (Tattersall, W., 1908b)
 - Mesopodopsis slabberi* (Van Beneden, 1861b)
 - Mesopodopsis tropicalis* Wittmann, 1992
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 - Mesopodopsis zeylanica* Nouvel, 1954
- Genus *Mysidium* Dana, 1850
 - Mysidium columbiae* (Zimmer, 1915a)
 - Mysidium cubanense* Bacescu & Ortiz, 1984
 - Mysidium gracile* (Dana, 1852c)
 - Mysidium iliffei* Bacescu, 1991
 - Mysidium integrum* Tattersall, W., 1951
 - Mysidium rickettsi* Harrison & Bowman, 1987
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- Genus *Mysis* Latreille, 1803
 - Mysis amblyops* Sars, 1907
 - Mysis articoglacialis* Petryashev, 1990
 - Mysis caspia* Sars, 1895
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 - Mysis litoralis* (Banner, 1948b)
 - Mysis macrolepis* Sars, 1907
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 - Mysis polaris* Holmquist, 1959
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 - Nanomysis philippinensis* Murano, 1997
 - Nanomysis siamensis* Tattersall, W., 1921a
- Genus *Neomysis* Czerniavsky, 1882b
 - Neomysis americana* (Smith, 1873)
 - Neomysis awatschensis* (Brandt, 1851)
 - Neomysis czerniawskii* Derzhavin, 1913
 - Neomysis ilyapai* Holmquist, 1957
 - Neomysis integer* (Leach, 1815)
 - Neomysis intermedia* (Czerniavsky, 1882b)
 - Neomysis japonica* Nakazawa, 1910
 - Neomysis kadiakensis* Ortmann, 1908
 - Neomysis mercedis* Holmes, 1897
 - Neomysis meridionalis* Colosi, 1924
 - Neomysis mirabilis* (Czerniavsky, 1882b)
 - Neomysis monticellii* Colosi, 1924
 - Neomysis nakazawai* Ii, 1936a
 - Neomysis orientalis* Ii, 1964
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 - Neomysis rayii* (Murdoch, 1885)
 - Neomysis sopayi* Holmquist, 1957
 - Neomysis spinosa* Nakazawa, 1910

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 - Nipponomysis brevicauda* Fukuoka & Murano, 2001a
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 - Nipponomysis eriopedes* (Ii, 1936a)
 - Nipponomysis fusca* (Ii, 1936a)
 - Nipponomysis imparis* Takahashi & Murano, 1986a
 - Nipponomysis lingvura* (Murano, 1977b)
 - Nipponomysis longipes* (Murano, 1977b)
 - Nipponomysis minuta* Fukuoka & Murano, 1997
 - Nipponomysis misakiensis* (Ii, 1936a)
 - Nipponomysis ornata* (Ii, 1964)
 - Nipponomysis patula* Fukuoka & Pinkaew, 2003
 - Nipponomysis perminuta* (Ii, 1936a)
 - Nipponomysis quadrispinosa* (Ii, 1964)
 - Nipponomysis sandoi* (Ii, 1964b)
 - Nipponomysis sinensis* (Wang, 1981)
 - Nipponomysis surugensis* (Murano, 1977b)
 - Nipponomysis takitai* (Murano, 1977b)
 - Nipponomysis tenuiculus* (Ii, 1940a)
 - Nipponomysis toriumii* (Murano, 1977b)
- Genus *Notacanthomysis* Fukuoka & Murano, 2000b
 - Notacanthomysis hodgarti* (Tattersall, W., 1922)
 - Notacanthomysis laticauda* (Liu & Wang, 1980)
- Genus *Orientomysis* Derzhavin, 1913
 - Orientomysis aokii* (Ii, 1964)
 - Orientomysis arenaria* Fukuoka & Murano, 2005
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 - Orientomysis calida* Fukuoka et al., 2005b
 - Orientomysis crassispinosa* (Liu & Wang, 1980)
 - Orientomysis fujinagai* (Ii, 1964)
 - Orientomysis hwanhaiensis* (Ii, 1964)
 - Orientomysis japonica* Marukawa, 1928
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 - Orientomysis leptura* (Liu & Wang, 1980)
 - Orientomysis meridionalis* (Liu & Wang, 1983b)
 - Orientomysis mitsukurii* (Nakazawa, 1910)
 - Orientomysis okayamaensis* (Ii, 1964)
 - Orientomysis pseudomitsukurii* (Ii, 1964)
 - Orientomysis robusta* (Murano, 1984)
 - Orientomysis rotundicauda* (Liu & Wang, 1980)
 - Orientomysis sagamiensis* (Nakazawa, 1910)
 - Orientomysis serrata* (Liu & Wang, 1980)
 - Orientomysis sheni* (Wang & Liu, 1989)
 - Orientomysis tamurai* (Ii, 1964)
 - Orientomysis tenella* (Liu & Wang, 1983b)
 - Orientomysis tenuicauda* (Murano, 1984)
- Genus *Pacifacanthomysis* Holmquist, 1981b
 - Pacifacanthomysis nephrophthalma* (Banner, 1948b)
- Genus *Paracanthomysis* Ii, 1936b
 - Paracanthomysis hispida* Ii, 1936b
 - Paracanthomysis kurilensis* Ii, 1936b
 - Paracanthomysis shikhotaniensis* Petryashev, 1983
 - Paracanthomysis spadix* Takahashi & Murano, 1986b
- Genus *Paramesopodopsis* Fenton, 1985a
 - Paramesopodopsis rufa* Fenton, 1985a
- Genus *Paramysis* Czerniavsky, 1882b
 - Paramysis arenosa* (Sars, 1877a)

- Paramysis festae Colosi, 1921
- Paramysis mihaii Voicu, 1974
- Paramysis portzicensis Nouvel, 1949
- Paramysis proconnesia Colosi, 1922a
- Paramysis vancouveringi Voicu, 1981
- Subgenus (Longidentia) Daneliya, 2004
 - Paramysis (Longidentia) helleri (Sars, 1877a)
 - Paramysis (Longidentia) kroyeri (Czerniavsky, 1882b)
 - Paramysis (Longidentia) nouveli Labat, 1953
- Subgenus (Mesomysis) Czerniavsky, 1882b
 - Paramysis (Mesomysis) intermedia Czerniavsky, 1882b
- Subgenus (Metamysis) Sars, 1895
 - Paramysis (Metamysis) grimmi (Sars, 1895)
 - Paramysis (Metamysis) inflata (Sars, 1907)
 - Paramysis (Metamysis) ullskyi Czerniavsky, 1882b
- Subgenus (Nanoparamysis) Daneliya, 2004
 - Paramysis (Nanoparamysis) loxolepis (Sars, 1895)
- Subgenus (Occiparamysis) Daneliya, 2004
 - Paramysis (Occiparamysis) agigensis Bacescu, 1940
- Subgenus (Paramysis) Czerniavsky, 1882b
 - Paramysis (Paramysis) baeri Czerniavsky, 1882b
 - Paramysis (Paramysis) bakuensis Sars, 1895
 - Paramysis (Paramysis) eurylepis Sars, 1907
 - Paramysis (Paramysis) kessleri Sars, 1895
- Subgenus (Pseudoparamysis) Bacescu, 1940
- Subgenus (Pseudoparamysis) Bacescu, 1940
 - Paramysis (Pseudoparamysis) bacescoi Labat, 1953
 - Paramysis (Pseudoparamysis) pontica Bacescu, 1940
- Subgenus (Serrapalpis) Daneliya, 2004
 - Paramysis (Serrapalpis) incerta (Sars, 1895)
 - Paramysis (Serrapalpis) kosswigi Bacescu, 1948
 - Paramysis (Serrapalpis) lacustris (Czerniavsky, 1882b)
 - Paramysis (Serrapalpis) sowinskii Daneliya, 2002
- Genus Parastilomysis Li, 1936b
 - Parastilomysis paradoxa Li, 1936b
 - Parastilomysis paucispina Fukuoka et al., 2005
 - Parastilomysis prominula Fukuoka et al., 2005
 - Parastilomysis separata Fukuoka et al., 2005
- Genus Parvimysis Brattegard, 1969
 - Parvimysis almyra Brattegard, 1977
 - Parvimysis bahamensis Brattegard, 1969
 - Parvimysis pisciscibus Henderson & Bamber, 1983
- Genus Platyops Bacescu & Iliffe, 1986a
 - Platyops sterreri Bacescu & Iliffe, 1986a
- Genus Praunus Leach, 1814
 - Praunus flexuosus (Müller, 1776)
 - Praunus inermis (Rathke, 1843)
 - Praunus neglectus (Sars, M., 1869)
- Genus Proneomysis Tattersall, W., 1933
- Genus ?Proneomysis Tattersall, W., 1933
 - Proneomysis wailesi Tattersall, W., 1933
- Genus Schistomysis Norman, 1892b
 - Schistomysis assimilis (Sars, 1877a)
 - Schistomysis elegans Sars, 1907
 - Schistomysis kervillei (Sars, 1885a)
 - Schistomysis ornata (Sars, 1864)
 - Schistomysis parkeri Norman, 1892b

- Schistomysis spiritus (Norman, 1860)
- Genus Stilomysis Norman, 1892a
 - Stilomysis camtschatica Marukawa, 1928
 - Stilomysis grandis (Goës, 1863)
 - Stilomysis major Tattersall, W., 1951
- Genus Surinamysis Bowman, 1977
 - Surinamysis americana (Tattersall, W., 1951)
 - Surinamysis merista (Bowman, 1980)
 - Surinamysis robertsonae Bamber & Henderson, 1990
- Genus Taphromysis Banner, 1953
 - Taphromysis bowmani Bacescu, 1961
 - Taphromysis louisiana Banner, 1953
 - Taphromysis villalobosi Escobar-Briones & Soto, 1988
- Genus Tasmanomysis Fenton, 1985b
 - Tasmanomysis oculata Fenton, 1985b
- Genus Telacanthomysis Fukuoka & Murano, 2001b
 - Telacanthomysis columbiae (Tattersall, W., 1933)
- Genus Troglomysis Stammer, 1933
 - Troglomysis vjetrenicensis Stammer, 1933
- Genus Xenacanthomysis Holmquist, 1980
 - Xenacanthomysis pseudomacropsis (Tattersall, W., 1933)
- Subfamily Rhopalophthalminae Hansen, 1910
 - Genus Rhopalophthalmus Illig, 1906
 - Rhopalophthalmus africana Tattersall, O., 1957
 - Rhopalophthalmus anishi Panampunnayil & Biju, 2006
 - Rhopalophthalmus brisbanensis Hodge, 1963
 - Rhopalophthalmus chilkensis Tattersall, O., 1957
 - Rhopalophthalmus constrictus Panampunnayil, 1992
 - Rhopalophthalmus dakini Tattersall, O., 1957
 - Rhopalophthalmus egregius Hansen, 1910
 - Rhopalophthalmus flagellipes Illig, 1906
 - Rhopalophthalmus indicus Pillai, 1961
 - Rhopalophthalmus kempi Tattersall, O., 1957
 - Rhopalophthalmus longicauda Tattersall, O., 1957
 - Rhopalophthalmus longipes Ii, 1964
 - Rhopalophthalmus macropsis Pillai, 1964
 - Rhopalophthalmus mediterraneus Nouvel, 1960
 - Rhopalophthalmus mumbayensis Panampunnayil & Biju, 2006
 - Rhopalophthalmus murudana Panampunnayil & Biju, 2006
 - Rhopalophthalmus orientalis Tattersall, O., 1957
 - Rhopalophthalmus phyllodus Murano, 1986c
 - Rhopalophthalmus tartessicus Vilas-Fernández et al., 2008
 - Rhopalophthalmus tattersallae Pillai, 1961
 - Rhopalophthalmus terranatalis Tattersall, O., 1957
 - Rhopalophthalmus tropicalis Wooldridge & Mees, 2003
 - Rhopalophthalmus vijayai Panampunnayil & Biju, 2006
- Subfamily Siriellinae Czerniavsky, 1882a
- Subfamily Siriellinae Czerniavsky, 1882a
- Subfamily Siriellinae Czerniavsky, 1882a
 - Genus Hemisiriella Hansen, 1910
 - Hemisiriella abbreviata Hansen, 1912
 - Hemisiriella gardineri Tattersall, W., 1912a
 - Hemisiriella parva Hansen, 1910
 - Hemisiriella pulchra Hansen, 1910
 - Genus Metasiriella Murano, 1986b
 - Metasiriella kitaroi Murano, 1986b
 - Genus Siriella Dana, 1850

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Siriella aequiremis Hansen, 1910
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Siriella africana Panampunnayil, 1981a
Siriella akajimaensis Murano & Fukuoka, 2008
Siriella amamiensis Murano & Fukuoka, 2008
Siriella anomala Hansen, 1910
Siriella antiqua Secretan & Riou, 1986
Siriella armata (Milne-Edwards, 1837)
Siriella australiensis Panampunnayil, 1995
Siriella australis Tattersall, W., 1927a
Siriella bacescui Udrescu, 1981
Siriella brevicaudata Paul'son, 1875
Siriella brevirostris Nouvel, 1944
Siriella brucei Murano & Fukuoka, 2008
Siriella castellabatensis Ariani & Spagnuolo, 1975
Siriella chaitiamvongae Murano & Fukuoka, 2008
Siriella chessi Murano, 1986a
Siriella chierchiae Coifmann, 1937b
Siriella clausii Sars, 1877a
Siriella conformalis Hansen, 1910
Siriella dayi Tattersall, O., 1952
Siriella denticulata (Thomson, 1880)
Siriella distinguenda Hansen, 1910
Siriella dollfusi Nouvel, 1944
Siriella dubia Hansen, 1910
Siriella essingtonensis Murano & Fukuoka, 2008
Siriella gibba Nouvel, 1944
Siriella gracilipes Nouvel, 1942
Siriella gracilis Dana, 1852c
Siriella halei Tattersall, W., 1927a
Siriella hanseni Tattersall, W., 1922
Siriella iii Murano & Fukuoka, 2008
Siriella inornata Hansen, 1910
Siriella intermedia Panampunnayil, 1981a
Siriella izuensis Murano & Fukuoka, 2008
Siriella jaltensis Czerniavsky, 1868
Siriella jaltensis brooki Norman, 1886b
Siriella jaltensis crassipes (Sars, 1877a)
Siriella japonica Ii, 1964
Siriella japonica sagamiensis Ii, 1964
Siriella jonesi Pillai, 1964
Siriella koreana Murano & Fukuoka, 2008
Siriella lingvura Ii, 1964
Siriella longiarticulus Murano & Fukuoka, 2008
Siriella longidactyla Tattersall, W., 1940
Siriella longipes Nakazawa, 1910
Siriella macrophthalma Murano, 1986a
Siriella macropsis Murano & Fukuoka, 2008
Siriella media Hansen, 1910
Siriella melloi Silva, 1974
Siriella mexicana Brattegard, 1970b
Siriella mulyadii Murano & Fukuoka, 2008
Siriella nodosa Hansen, 1910
Siriella norvegica Sars, 1869
Siriella oberon (Couch, 1856)
Siriella okadai Ii, 1964

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- Siriella panamensis Tattersall, W., 1951
- Siriella paulsoni Kossmann, 1877
- Siriella plumicauda Hansen, 1910
- Siriella pondoensis Tattersall, O., 1962
- Siriella quadrispinosa Hansen, 1910
- Siriella quilonensis Pillai, 1961
- Siriella rimata Murano & Fukuoka, 2008
- Siriella robusta Pillai, 1964
- Siriella roosevelti Tattersall, W., 1941
- Siriella scissilis Murano & Fukuoka, 2008
- Siriella seafdeci Murano & Fukuoka, 2008
- Siriella serrata Hansen, 1910
- Siriella similis Czerniavsky, 1883
- Siriella sinensis Li, 1964
- Siriella singularis Nouvel, 1957
- Siriella spinula Panampunnayil, 1995
- Siriella tadjourensis Nouvel, 1944
- Siriella tenuiungula Murano & Fukuoka, 2008
- Siriella thompsonii (Milne-Edwards, 1837)
- Siriella trispina Li, 1964
- Siriella tuberculum Fukuoka & Murano, 1996
- Siriella vincenti Tattersall, W., 1927a
- Siriella vulgaris Hansen, 1910
- Siriella vulgaris rostrata Tattersall, W., 1951
- Siriella wadai Li, 1964
- Siriella watasei Nakazawa, 1910
- Siriella wolffi Tattersall, O., 1961b
- Family Petalophthalmidae Czerniavsky, 1882a
 - Genus Bacescomysis Murano & Krygier, 1985
 - Bacescomysis abyssalis (Lagardère, 1983)
 - Bacescomysis atlantica (Lagardère, 1983)
 - Bacescomysis birsteini (Bacescu, 1971b)
 - Bacescomysis pacifica Murano & Krygier, 1985
 - Bacescomysis papilio Casanova & De Jong, 2005
 - Bacescomysis peruvianus (Bacescu, 1971b)
 - Bacescomysis tattersallae (Bacescu, 1971b)
 - Genus Ceratomysis Faxon, 1893
 - Ceratomysis egregia Hansen, 1910
 - Ceratomysis ericula Ledoyer, 1977b
 - Ceratomysis spinosa Faxon, 1893
 - Genus Hansenomysis Stebbing, 1893
 - Hansenomysis anamosae San Vicente & Sorbe, 2008
 - Hansenomysis angusticauda Tattersall, O., 1961a
 - Hansenomysis antarctica Holt & Tattersall, 1906a
 - Hansenomysis armata Birstein & Tchindonova, 1958
 - Hansenomysis carinata Casanova, 1993b
 - Hansenomysis chini Bacescu, 1971b
 - Hansenomysis falklandica Tattersall, O., 1955
 - Hansenomysis fyllae (Hansen, 1888)
 - Hansenomysis japonica Bravo & Murano, 1997c
 - Hansenomysis lucifugus (Faxon, 1893)
 - Hansenomysis menziesi Bacescu, 1971b
 - Hansenomysis nouveli Lagardère, 1983
 - Hansenomysis pseudofyllae Lagardère, 1983
 - Hansenomysis rostrata Birstein & Tchindonova, 1970
 - Hansenomysis spenceri Bacescu, 1971b

- Hansenomysis tropicalis Bacescu, 1967
- Hansenomysis violacea (Birstein & Tchindonova, 1958)
- Parapetalophthalmus suluensis Murano & Bravo, 1998
- Genus Petalophthalmus Willemoes-Suhm, 1874
 - Petalophthalmus armiger Willemoes-Suhm, 1875
 - Petalophthalmus caribbeanus Tattersall, O., 1968
 - Petalophthalmus liui Wang, 1998
 - Petalophthalmus macrops Tchindonova & Vereshchaka, 1991
 - Petalophthalmus oculatus Illig, 1906
- Genus Pseudopetalophthalmus Bravo & Murano, 1997b
 - Pseudopetalophthalmus australis (Panampunnayil, 1982)
 - Pseudopetalophthalmus japonicus Bravo & Murano, 1997b