

Mysida Classification, January 20, 2010

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. 2010. Mysida Classification, January 20, 2010. <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 Ii, 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 orientalis Ii, 1964
- Boreomysis rostrata rostrata Illig, 1906
- Boreomysis semicoeca Hansen, 1905a
- Boreomysis sibogae Hansen, 1910
- Boreomysis sphaerops Ii, 1964
- Boreomysis tanakai Ii, 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 brasiliana Bacescu, 1984
 - Amathimysis brattegardii 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 durbani 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, 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 Atlanterythrops Nouvel & Lagardère, 1976
 - Atlanterythrops crassipes Nouvel & Lagardère, 1976
 - Genus Australerythrops Tattersall, W., 1928
 - Australerythrops 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 Dactylerythropros Holt & Tattersall, 1905a
 - Dactylerythropros bidigitata Tattersall, W., 1907
 - Dactylerythropros chrotops Murano, 1969
 - Dactylerythropros dactylops Holt & Tattersall, 1905a
 - Dactylerythropros dimorpha Nouvel & Lagardère, 1976
 - Dactylerythropros 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 Erythropros Sars, 1869
 - Erythropros abyssorum Sars, 1869
 - Erythropros africana Tattersall, O., 1955
 - Erythropros alboranus Bacescu, 1989
 - Erythropros bidentata Nouvel, 1973c
 - Erythropros elegans (Sars, 1863)
 - Erythropros erythrophthalmus (Goës, 1863)
 - Erythropros frontieri Nouvel, 1974
 - Erythropros glacialis Sars, 1885b
 - Erythropros microps (Sars, 1864)
 - Erythropros minuta Hansen, 1910
 - Erythropros nana Tattersall, W., 1922
 - Erythropros neapolitanus Colosi, 1929
 - Erythropros parva Brattegard, 1973
 - Erythropros peterdohrni Bacescu & Schiecke, 1974
 - Erythropros phuketensis Fukuoka & Murano, 2002b
 - Erythropros serrata (Sars, 1863)
 - Erythropros 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 Gibberythropros Illig, 1930
 - Gibberythropros acanthura (Illig, 1906)
 - Gibberythropros longicauda Bravo & Murano, 1997a
 - Gibberythropros stephensoni (Tattersall, W., 1936a)
 - Gibberythropros typicus (Murano, 1969)
- Genus Gymnerythropros Hansen, 1910
 - Gymnerythropros anomala Hansen, 1910
 - Gymnerythropros macrops Pillai, 1973
 - Gymnerythropros microps Coifmann, 1936
- Genus Heteroerythropros Tattersall, O., 1955

- Heteroerythrops microps Murano, 1966b
- Heteroerythrops purpura Tattersall, O., 1955
- Heteroerythrops tanseii 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 Hypererythrops Holt & Tattersall, 1905a
 - Hypererythrops caribbaea Tattersall, W., 1937
 - Hypererythrops elegantula Nouvel, 1974
 - Hypererythrops richardi Bacescu, 1941a
 - Hypererythrops semispinosa Wang, 1998
 - Hypererythrops serriventer Holt & Tattersall, 1905a
 - Hypererythrops spinifera (Hansen, 1910)
 - Hypererythrops validisaeta Fukuoka & Murano, 2002b
 - Hypererythrops zimmeri Ii, 1937
- Genus Illigiella Murano, 1981
 - Illigiella brevisquamosa (Illig, 1906)
- Genus Indoerythrops Panampunnayil, 1998
 - Indoerythrops typicus Panampunnayil, 1998
- Genus Katerythrops Holt & Tattersall, 1905a
 - Katerythrops oceanae Holt & Tattersall, 1905a
 - Katerythrops resimora Tattersall, O., 1955
 - Katerythrops tattersalli Illig, 1930
 - Katerythrops 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 similerythrops Illig, 1906
- Genus Marumomysis Murano, 1999a
 - Marumomysis antarctica San Vicente, 2007
 - Marumomysis hakuhoae Murano, 1999a
- Genus Meierythrops Murano, 1981
 - Meierythrops pacifica Murano, 1981
 - Meierythrops 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 Meterythrops Smith, 1879
 - Meterythrops intermedius Fukuoka & Murano, 2006
 - Meterythrops japonicus Murano, 1977a
 - Meterythrops megalops Ii, 1964
 - Meterythrops microphthalmus Tattersall, W., 1951
 - Meterythrops pictus Holt & Tattersall, 1905a
 - Meterythrops robustus Smith, 1879
 - Meterythrops tenuispinis Fukuoka & Murano, 2006

- Genus *Michthyops* Tattersall, W., 1911
 - Michthyops arctica* Petryashov, 1993
 - Michthyops parva* (Vanhöffen, 1897)
 - Michthyops theeli* (Ohlin, 1901b)
- Genus *Mysimenzies* Bacescu, 1971a
 - Mysimenzies hadalis* Bacescu, 1971a
- Genus *Nakazawaia* Murano, 1981
 - Nakazawaia japonica* Murano, 1981
 - Nakazawaia secunda* Bravo & Murano, 1997a
- Genus *Nipponerythroptis* Murano, 1977a
 - Nipponerythroptis typica* Murano, 1977a
- Genus *Paramblyops* Holt & Tattersall, 1905a
 - Paramblyops bidigitata* Tattersall, W., 1911
 - Paramblyops brevirrostris* Tattersall, O., 1955
 - Paramblyops globorostri* 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 *Parerythroptis* Sars, 1869
 - Parerythroptis affinis* Birstein & Tchindonova, 1958
 - Parerythroptis bispinosa* Nouvel & Lagardère, 1976
 - Parerythroptis lobiancoi* Tattersall, W., 1909
 - Parerythroptis obesus* (Sars, 1864)
 - Parerythroptis paucispinosa* Nouvel & Lagardère, 1976
 - Parerythroptis spectabilis* Sars, 1885b
- Genus *Pleurerythroptis* Ii, 1964
 - Pleurerythroptis americana* Zoppi & Delgado, 1989
 - Pleurerythroptis constricta* Panampunnayil, 1977
 - Pleurerythroptis inscita* Ii, 1964
 - Pleurerythroptis monospinosa* Liu & Wang, 1986
 - Pleurerythroptis secunda* Murano, 1970
- Genus *Pseudamblyops* Ii, 1964
 - Pseudamblyops conicops* Ii, 1964
- Genus *Pseuderythroptis* Coifmann, 1936
 - Pseuderythroptis gracilis* Coifmann, 1936
 - Pseuderythroptis 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, 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 Ii, 1964
 - Pteromysis amemiyai Ii, 1964
- Genus Scolamblyops Murano, 1974a
 - Scolamblyops japonicus Murano, 1974a
 - Scolamblyops oculospinum (Tattersall, W., 1951)
- Genus Shenimysis Wang, 1998
 - Shenimysis cordata Wang, 1998
- Genus Synerythrops Hansen, 1910
 - Synerythrops cruciata Tattersall, W., 1951
 - Synerythrops intermedia Hansen, 1910
 - Synerythrops truncata Murano, 1975
- Genus Teratamblyops Murano, 2001a
 - Teratamblyops gracilura (Tattersall, W., 1907)
 - Teratamblyops philippinensis Murano, 2001a
 - Teratamblyops suluensis Murano, 2001a
- Genus Teraterythrops Ii, 1964
 - Teraterythrops parva (Zimmer, 1914b)
 - Teraterythrops robusta (Birstein & Tchindonova, 1958)
- Genus Thalassomysis Tattersall, W., 1939
 - Thalassomysis sewelli Tattersall, W., 1939
 - Thalassomysis tattersalli Nouvel, 1942
- Genus Xenerythrops Ii, 1964
- 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 Ii, 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 orientalis Nouvel, 1971
- Anchialina typica typica (Krøyer, 1861)
- 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 Ii, 1964
 - Archaeomysis ochotensis Hanamura, 1997
 - Archaeomysis vulgaris (Nakazawa, 1910)
- Genus Chlamydopleon Ortmann, 1893
 - Chlamydopleon aculeatum Ortmann, 1893
 - Chlamydopleon banneri (Bacescu, 1968b)
 - Chlamydopleon dissimile (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 kempfi 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, 1861a)
 - Gastrosaccus sanctus widhalmi (Czerniavsky, 1887)
 - 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, 1880
 - 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, 1880
- Haplostylus estafricanus 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 robustus (Panampunnayil, 1989)
- Haplostylus similis Panampunnayil, 1997
- Haplostylus tenuicaudus Hanamura, 1998
- Haplostylus udrescui Greenwood et al., 1991
- Haplostylus uthupus Panampunnayil, 1997
- Genus *Liella* Bacescu, 1968b
 - Liella elegans* (Tattersall, O., 1960)
 - Liella formosensis* (Li, 1964)
 - Liella hibii* (Li, 1964)
 - Liella hispida* Jo & Murano, 1992
 - Liella iriomotensis* Fukuoka & Murano, 1997
 - Liella kojimaensis* (Nakazawa, 1910)
 - Liella ohshimai* (Li, 1964)
 - Liella pelagica* (Li, 1964)
- Genus *Paranchialina* Hansen, 1910
 - Paranchialina angusta* (Sars, 1884)
 - Paranchialina secunda* Panampunnayil, 1986
- Genus *Pseudanchialina* Hansen, 1910
 - Pseudanchialina inermis* (Illig, 1906)
 - Pseudanchialina pusilla* (Sars, 1884)
- 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 dispar* Brattegard, 1970b
 - Heteromysis disrupta* Brattegard, 1970b
 - Heteromysis filitelsona* Modlin, 1984
 - Heteromysis floridensis* Brattegard, 1969
 - Heteromysis hopkinsi* Modlin, 1984
 - Heteromysis inflaticauda* Wang, 1998

- Heteromysis japonica Murano & Hanamura, 2002
- Heteromysis kensleyi Modlin, 1987b
- Heteromysis komaii Fukuoka, 2005
- Heteromysis kushimotoensis Murano & Fukuoka, 2003b
- Heteromysis longiloba Hanamura & Kase, 2001a
- Heteromysis macropsis Pillai, 1961
- Heteromysis minuta Tattersall, O., 1967
- Heteromysis nomurai Murano & Fukuoka, 2003b
- Heteromysis pacifica Tattersall, O., 1967
- Heteromysis proxima Tattersall, W., 1922
- Heteromysis sicilisetia Brattegard, 1970b
- Heteromysis singaporensis Tattersall, O., 1967
- Heteromysis tattersalli Nouvel, 1942
- Heteromysis tuberculospina Modlin, 1987c
- Subgenus (Gnathomysis) Bonnier & Perez, 1902
 - Heteromysis (Gnathomysis) gerlachei (Bonnier & Perez, 1902)
 - Heteromysis (Gnathomysis) harpax (Hilgendorf, 1879)
 - Heteromysis (Gnathomysis) harpaxoides Bacescu & Bruce, 1980
 - Heteromysis (Gnathomysis) kossmanni Nouvel, 1964b
 - Heteromysis (Gnathomysis) stellata Bacescu & Bruce, 1980
- Subgenus (Heteromysis) Bacescu, 1968c
 - Heteromysis (Heteromysis) arianii Wittmann, 2000
 - Heteromysis (Heteromysis) armoricana Nouvel, 1940
 - Heteromysis (Heteromysis) australica Bacescu & Bruce, 1980
 - Heteromysis (Heteromysis) communis Bacescu, 1986b
 - Heteromysis (Heteromysis) digitata Tattersall, W., 1927b
 - Heteromysis (Heteromysis) eideri Bacescu, 1941a
 - Heteromysis (Heteromysis) elegans Brattegard, 1974a
 - Heteromysis (Heteromysis) formosa Smith, 1873
 - Heteromysis (Heteromysis) gracilis Murano, 1988
 - Heteromysis (Heteromysis) gymnura Tattersall, W., 1922
 - Heteromysis (Heteromysis) heronensis Bacescu, 1979a
 - Heteromysis (Heteromysis) lybiana Bacescu, 1976
 - Heteromysis (Heteromysis) mexicana Escobar-Briones & Soto, 1990
 - Heteromysis (Heteromysis) microps (Sars, 1877a)
 - Heteromysis (Heteromysis) mureseanui Bacescu, 1986a
 - Heteromysis (Heteromysis) norvegica Sars, 1882b
 - Heteromysis (Heteromysis) nouveli Brattegard, 1969
 - Heteromysis (Heteromysis) odontops Walker, 1898
 - 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
 - Heteromysis (Heteromysis) xanthops Ii, 1964
- 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) panamaensis Tattersall, O., 1967
- Heteromysis (Olivemysis) quadrispinosa Murano, 1988
- Heteromysis (Olivemysis) rubrocincta Bacescu, 1968c
- Heteromysis (Olivemysis) sexspinosa Murano, 1988
- Heteromysis (Olivemysis) tenuispina Murano, 1988
- Heteromysis (Olivemysis) thailandica Fukuoka & Murano, 2002b
- 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
 - Kochimysis pillaii Panampunnayil & Biju, 2007
- Genus Mysidetes Holt & Tattersall, 1906a
 - 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 Mysifaun Wittmann, 1996
 - Mysifaun erigens Wittmann, 1996
- Genus Platymysis Brattegard, 1980
 - Platymysis facilis Brattegard, 1980
- Genus Pseudomysidetes Tattersall, W., 1936a
 - Pseudomysidetes cochinchinensis Panampunnayil, 1977
 - Pseudomysidetes japonicus Bravo & Murano, 1996a
 - Pseudomysidetes nudus Fukuoka & Murano, 2002b
 - Pseudomysidetes russelli Tattersall, W., 1936a
 - 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 aeta (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 jimenesi Bacescu, 1968d
 - Cubanomysis misteriosa 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 algoensis Wooldridge & Mees, 2000
 - Doxomysis anomala Tattersall, W., 1922
 - Doxomysis australiensis (Tattersall, W., 1940)
 - Doxomysis brucei Murano, 1990a
 - Doxomysis hansenii Colosi, 1920
 - Doxomysis johnsonii Panampunnayil, 1986
 - Doxomysis longiura Pillai, 1963a
 - 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
- Genus Hyperimysis Nouvel, 1966b
 - Hyperimysis madagascariensis Nouvel, 1966b
- Genus Iimysis Nouvel, 1966a

- Limysis atlantica (Nouvel, 1942)
- Limysis orientalis (Li, 1937)
- Genus Leptomysis Sars, 1869
 - Leptomysis buergii Bacescu, 1966
 - Leptomysis capensis Illig, 1906
 - Leptomysis gracilis (Sars, 1864)
 - Leptomysis heterophila Wittmann, 1986b
 - Leptomysis lingvura adriatica Wittmann, 1986b
 - Leptomysis lingvura lingvura (Sars, 1866)
 - Leptomysis lingvura marioni (Gourret, 1888)
 - Leptomysis longisquama Panampunnayil, 1986
 - Leptomysis mediterranea atlantica Wittmann, 1986d
 - Leptomysis mediterranea mediterranea Sars, 1877a
 - Leptomysis megalops Zimmer, 1915b
 - Leptomysis posidoniae Wittmann, 1986b
 - Leptomysis tattersalli Tattersall, O., 1952
 - Leptomysis truncata pontica (Czerniavsky, 1882a)
 - Leptomysis truncata sardica (Sars, 1877a)
 - Leptomysis truncata truncata (Heller, 1863)
- Genus Megalopsis Panampunnayil, 1987
 - Megalopsis denticauda Panampunnayil, 1987
- Genus Metamysidopsis Tattersall, W., 1951
 - Metamysidopsis elongata atlantica Bacescu, 1968d
 - Metamysidopsis elongata 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 brattegarti Bacescu & Gleye, 1979
 - Mysidopsis brattstroemi Brattegard, 1969
 - Mysidopsis buffaloensis Wooldridge, 1988
 - Mysidopsis californica Tattersall, W., 1932a
 - Mysidopsis camelina Tattersall, O., 1955
 - Mysidopsis cathengela Gleye, 1982
 - Mysidopsis coelhoi Bacescu, 1968d
 - 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 Ii, 1964
- Mysidopsis juniae Silva, 1979
- Mysidopsis kempii Tattersall, W., 1922
- Mysidopsis kenyana 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 oligocenicus (fossil form) De Angeli & Rossi, 2006
- 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 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 natalensis mombasae Bacescu & Vasilescu, 1973
 - 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 Ii, 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 abyssi Sars, 1879a
 - Pseudomysis dactylops Tattersall, W., 1951
- Genus Pseudoxomysis Nouvel, 1973a

- Pseudoxomysis caudaensis Nouvel, 1973a
- Pseudoxomysis incisa Murano, 2001b
- Genus Pyroleptomysis Wittmann, 1985
 - Pyroleptomysis peresi (Bacescu, 1966)
 - Pyroleptomysis rubra Wittmann, 1985
- Genus Rostromysis Panampunnayil, 1987
 - Rostromysis bacescui 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
- 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
 - 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 microps Biju & Panampunnayil, 2009
- Acanthomysis ornata Tattersall, O., 1965a
- Acanthomysis pelagica (Pillai, 1957)
- Acanthomysis platycauda (Pillai, 1961)
- Acanthomysis quadrispinosa Nouvel, 1965
- Acanthomysis strauchi (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 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
 - Anisomysis (Javanisomysis) gutzuii (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) *ijimai estafricana* Bacescu, 1973c
- 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* (Hansen, MS) (Holt & Tattersall, 1906a)
 - Antarctomysis maxima profunda* (Ledoyer, 1990)
 - Antarctomysis ohlinii* Hansen, 1908b
- 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, 1887
 - Diamysis bacescui* Wittmann & Ariani, 1998
 - Diamysis bahirensis* (Sars, 1877a)
 - Diamysis camassai* Ariani & Wittmann, 2002
 - Diamysis frontieri* Nouvel, 1965
 - Diamysis hebraica* Almeida Prado-Por, 1981
 - 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)
 - Diamysis sirbonica* Almeida Prado-Por, 1981
- 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
- Exacanthomysis stelleri (Derzhavin, 1913)
- 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 (Ii, 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 brevis (Wang & Liu, 1997)
 - Hyperacanthomysis longirostris (Ii, 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 Ii, 1940a
 - Inusitatomysis insolita Ii, 1940a
- Genus Kainommatomysis Tattersall, W., 1927b
 - Kainommatomysis foxi Tattersall, W., 1927b
 - Kainommatomysis schiecke Bacescu, 1973d
- Genus Katamysis Sars, 1893
 - Katamysis warpachowskyi Sars, 1893
- Genus Limnomysis Czerniavsky, 1882a
 - Limnomysis benedeni Czerniavsky, 1882a
- Genus Lycomysis Hansen, 1910
 - Lycomysis bispina Ii, 1940a
 - Lycomysis platycauda Pillai, 1961
 - Lycomysis spinicauda Hansen, 1910
- Genus Mesacanthomysis Nouvel, 1967
 - Mesacanthomysis pygmaea Nouvel, 1967
- Genus Mesomysis Czerniavsky, 1882b
- Genus Mesopodopsis Czerniavsky, 1882a

- Mesopodopsis aegyptia Wittmann, 1992
- Mesopodopsis africana Tattersall, O., 1952
- Mesopodopsis orientalis (Tattersall, W., 1908b)
- Mesopodopsis slabberi (Van Beneden, 1861a)
- Mesopodopsis tenuipes Hanamura et al., 2008c
- Mesopodopsis tropicalis Wittmann, 1992
- Mesopodopsis wooldridgei Wittmann, 1992
- 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
 - Mysidium rubroculatum Bacescu & Ortiz, 1984
- Genus Mysis Latreille, 1803
 - Mysis amblyops Sars, 1907
 - Mysis articoglacialis Petryashov, 1990
 - Mysis caspia Sars, 1895
 - Mysis diluviana Audzijonyte & Väinölä, 2005
 - Mysis gaspensis Tattersall, O., 1954
 - Mysis litoralis (Banner, 1948b)
 - Mysis macrolepis Sars, 1907
 - Mysis microphthalma Sars, 1895
 - Mysis mixta Lilljeborg, 1853
 - Mysis nordenskiöldi Audzijonyte & Väinölä, 2007
 - Mysis oculata (Fabricius, 1780)
 - Mysis polaris Holmquist, 1959
 - Mysis relicta Lovén, 1862a
 - Mysis salemaai Audzijonyte & Väinölä, 2005
 - Mysis segerstralei Audzijonyte & Väinölä, 2005
 - Mysis stenolepis Smith, 1873
- Genus Nanomysis Tattersall, W., 1921
 - Nanomysis insularis Nouvel, 1957
 - 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 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
 - Neomysis patagona Zimmer, 1907c
 - Neomysis rayii (Murdoch, 1885)
 - Neomysis sopayi Holmquist, 1957
 - Neomysis spinosa Nakazawa, 1910
- Genus Nipponomysis Takahashi & Murano, 1986a
 - Nipponomysis brevicauda Fukuoka & Murano, 2001a

- Nipponomysis calcarata Takahashi & Murano, 1986a
- 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
 - Orientomysis aspera (Ii, 1964)
 - Orientomysis calida Fukuoka et al., 2005b
 - Orientomysis crassispinosa (Liu & Wang, 1980)
 - Orientomysis fujinagai (Ii, 1964)
 - Orientomysis hwanhaiensis (Ii, 1964)
 - Orientomysis japonica Marukawa, 1928
 - Orientomysis koreana (Ii, 1964)
 - 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 Petryashov, 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 portzicensis Nouvel, 1949

- Paramysis proconnesia Colosi, 1922a
- 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
 - 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
 - Proneomysis wailesi Tattersall, W., 1933
- Genus Sarmysis Maissuradze & Popescu, 1987
 - Sarmysis mihaii (fossil form) (Voicu, 1974)
 - Sarmysis sarmaticus (fossil form) (Khalilov, 1947)
 - Sarmysis vancouveringi (fossil form) (Voicu, 1981)
- 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 louisianae 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 chilkenis 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 Li, 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
 - 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
 - Siriella aequiremis Hansen, 1910
 - Siriella affinis Hansen, 1910
 - Siriella africana Panampunnayil, 1981a
 - Siriella akajimaensis Murano & Fukuoka, 2008

Siriella amamiensis Murano & Fukuoka, 2008
Siriella anomala Hansen, 1910
Siriella antiqua (fossil form) Secretan & Riou, 1986
Siriella armata (Milne-Edwards, 1837)
Siriella australiensis Panampunnayil, 1995
Siriella australis Tattersall, W., 1927a
Siriella bacescui Udrescu, 1981
Siriella brevicaudata Paulson, 1875
Siriella brevirostris Nouvel, 1944
Siriella brucei Murano & Fukuoka, 2008
Siriella carinata (fossil form) Secretan & Riou, 1986
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 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 izuensis Murano & Fukuoka, 2008
Siriella jaltensis brooki Norman, 1886b
Siriella jaltensis crassipes (Sars, 1877a)
Siriella jaltensis jaltensis Czerniavsky, 1868
Siriella japonica Ii, 1964
Siriella jonesi Pillai, 1964
Siriella koreana Murano & Fukuoka, 2008
Siriella lacertilis Talbot, 2009
Siriella lingvura Ii, 1964
Siriella longiarticulis 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 okadai Ii, 1964
Siriella pacifica Holmes, 1900
Siriella panamensis Tattersall, W., 1951
Siriella paulsoni Czerniavsky, 1882a, emend. Nouvel, 1944
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 sarsi Czerniavsky, 1887
- Siriella scissilis Murano & Fukuoka, 2008
- Siriella seafdeci Murano & Fukuoka, 2008
- Siriella serrata Hansen, 1910
- 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 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 anaramosae 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 sorbei San Vicente, 2009
 - Hansenomysis spenceri Bacescu, 1971b
 - Hansenomysis tropicalis Bacescu, 1967
 - Hansenomysis violacea (Birstein & Tchindonova, 1958)
 - Genus Parapetalophthalmus Murano & Bravo, 1998
 - 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