

Actual checklist of Tardigrada species (2009-2019, 36th Edition: 1-09-2019)

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Introduction

More than one thousand Tardigrada species were included in the published checklist (Guidetti, R. & Bertolani, R. 2005. **Tardigrade taxonomy: an updated check list of the taxa and a list of characters for their identification.** *Zootaxa*, 845, 1–46.) plus the additions and corrections to this checklist (Degma, P. & Guidetti, R. 2007. **Notes to the current checklist of Tardigrada.** *Zootaxa*, 1579, 41–53.). For practical reasons, we have joined these two papers (without comments added to particular taxa as well as without references published in these papers) into an accurate combined version of the checklists. We incorporated all taxonomical novelties in the current edition of the Checklist even if they were published just online. Then, following the International Code of Zoological Nomenclature, we corrected the year of a taxon description in its print edition. This checklist is free for all users, but utilization of it requires the citation of the two original papers. This checklist is the platform for occasional upgrades (date of latest upgrade is in the title). All changes, additions and corrections in comparison with both papers are written in red font, the changings respect to the previous version of the checklist have yellow background.

If you also use these changes, please also cite this checklist (Degma, P., Bertolani, R. & Guidetti, R. **Actual checklist of Tardigrada species.** <http://www.tardigrada.modena.unimo.it/miscellanea/Actual%20checklist%20of%20Tardigrada.pdf>, pp. 54 DOI: 10.25431/11380_1178608. Accessed date).

Currently there are 30 families, 142 genera, 1298 species and 34 additional subspecies included in the checklist.

Please write us if you find any mistake or missing data in this checklist. Your help in its improvement will be acknowledged.

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Checklist of Tardigrada

(The assignment of synonyms are reported within square parenthesis '[]'. Amendments are reported within angle brackets '< >'. Comments are reported within brace parenthesis '{ }'. The species written in bold characters are the genus *type species*)

Phylum: TARDIGRADA **Doyère, 1840**

Class: HETEROTARDIGRADA Marcus, 1927

Order: ARTHROTARDIGRADA Marcus, 1927

Family: Archechiniscidae **Binda, 1978**

<Jørgensen *et al.* 2010 reconsider valid the family>

[Archechiniscinae in Grimaldi de Zio & D'Addabbo Gallo, 1987]

Archechiniscus Schulz, 1953

Archechiniscus bahamensis Bartels, Fontoura & Nelson, 2018

Archechiniscus biscaynei Miller, Clark & C. Miller, 2012

Archechiniscus marci Schulz, 1953

Archechiniscus minutus Grimaldi de Zio & D'Addabbo Gallo, 1987

Archechiniscus symbalanus Chang & Rho, 1998

Family: Batillipedidae Ramazzotti, 1962

[Discopodidae Marcus, 1934]

Batillipes Richters, 1909

Batillipes acaudatus Pollock, 1971

Batillipes acuticauda Menechella, Bulnes & Cazzaniga, 2015

Batillipes adriaticus Grimaldi de Zio, Morone De Lucia, D'Addabbo Gallo & Grimaldi, 1979

Batillipes africanus Morone De Lucia, D'Addabbo Gallo & Grimaldi de Zio, 1988

Batillipes algharbensis Santos, Rubal, Veiga, da Rocha & Fontoura, 2018

Batillipes amblypyge Menechella, Bulnes & Cazzaniga, 2017

Batillipes annulatus de Zio, 1962

Batillipes brasiliensis E. Santos, da Rocha, Gomes Jr. & Fontoura, 2017

Batillipes bullacaudatus McGinty & Higgins, 1968

Batillipes carnonensis Fize, 1957
Batillipes crassipes Tchesunov & Mokievsky, 1995
Batillipes dandaræ E. Santos, da Rocha, Gomes Jr. & Fontoura, 2017
Batillipes dicrocercus Pollock, 1970
Batillipes friaufi Riggan, 1962
Batillipes gilmartini McGinty, 1969
Batillipes lesteri Kristensen & Mackness, 2000
Batillipes lingularum Menechella, Bulnes & Cazzaniga, 2017
Batillipes littoralis Renaud-Debyser, 1959
Batillipes longispinosus Chang & Rho, 1997
Batillipes lusitanus Santos, Rubal, Veiga, da Rocha & Fontoura, 2018
Batillipes marcelli Morone De Lucia, D'Addabbo Gallo & Grimaldi de Zio, 1988
Batillipes mirus Richters, 1909 [*Batillipes caudatus* Hay, 1917]
Batillipes minius Rubal, Veiga, Fontoura & Sousa-Pinto, 2016
Batillipes noerrevangi Kristensen, 1978
Batillipes orientalis Chang & Rho, 1997
Batillipes pennaki Marcus, 1946
Batillipes philippinensis Chang & Rho, 1997
Batillipes phreaticus Renaud Debyser, 1959 [*Batillipes littoralis submersus* D'Hondt, 1970]
Batillipes potiguarensis E. Santos, da Rocha, Gomes Jr. & Fontoura, 2017
Batillipes roscoffensis Kristensen, 1978
Batillipes rotundiculus Rho & Chang, 1999 in Rho *et al.* 1999
Batillipes similis Schulz, 1955
Batillipes solitarius Jørgensen, Boesgaard, Møbjerg & Kristensen, 2014
Batillipes spinicauda Gallo D'Addabbo, Sandulli & de Zio Grimaldi, 2005
Batillipes tridentatus Pollock, 1989
Batillipes tubernatis Pollock, 1971

Family: Coronarctidae Renaud-Mornant, 1974

Coronarctus Renaud-Mornant, 1974

Coronarctus disparilis Renaud-Mornant, 1987
Coronarctus fastigatus Renaud-Mornant, 1987
Coronarctus laubieri Renaud-Mornant, 1987
Coronarctus mexicus Romano III, Gallo, D'Addabbo, Accogli, Baguley & Montagna, 2011
Coronarctus stylisetus Renaud-Mornant, 1987
Coronarctus tenellus Renaud-Mornant, 1974
Coronarctus verrucatus Hansen, 2007

Trogloarctus Villora-Moreno, 1996

Trogloarctus trionyches Villora-Moreno, 1996

Family: Halechiniscidae Thulin, 1928
 <Amended by Fujimoto *et al.* 2016>

Subfamily: Dipodarctinae Pollock, 1995
 <Amended by Jørgensen *et al.* 2014>

Dipodarctus Pollock, 1995
<Amended by Jørgensen *et al.* 2014>

Dipodarctus anaholiensis Pollock, 1995

Dipodarctus australiensis Jørgensen, Boesgaard, Møbjerg & Kristensen, 2014

Dipodarctus borrori Pollock, 1995 [*Hemitanarctus chimaera* de Zio Grimaldi, D'Addabbo Gallo, Morone De Lucia & Troccoli, 1995/96 according to de Zio Grimaldi *et al.* 2003]

Dipodarctus subterraneus (Renaud-Debyser, 1959)

Dipodarctus susannae Jørgensen, Boesgaard, Møbjerg & Kristensen, 2014

Subfamily: Euclavarctinae Renaud-Mornant, 1983

Clavarctus Renaud-Mornant, 1983

Clavarctus falculus Renaud-Mornant, 1983

Euclavarctus Renaud-Mornant, 1975

<Amended by Renaud-Mornant 1983>

Euclavarctus convergens Renaud-Mornant, 1983

Euclavarctus thieli Renaud-Mornant, 1975

Exoclavarctus Renaud-Mornant, 1983

Exoclavarctus dineti Renaud-Mornant, 1983

Moebjergarctus Bussau, 1992

Moebjergarctus manganis Bussau, 1992

Parmursa Renaud-Mornant, 1984

Parmursa fimbriata Renaud-Mornant, 1984

Parmursa torquata Hansen, 2007

Proclavarctus Renaud-Mornant, 1983

Proclavarctus fragilis Renaud-Mornant, 1983

Subfamily: Florarctinae Renaud-Mornant, 1982

<Amended by Kristensen 1984>

Florarctus Delamare Deboutteville & Renaud-Mornant, 1965

Florarctus acer Renaud-Mornant, 1989

Florarctus antillensis Van der Land, 1968

Florarctus asper Renaud-Mornant, 1989

Florarctus cervinus Renaud-Mornant, 1987

Florarctus cinctus Renaud-Mornant, 1976

Florarctus glareolus Noda, 1987

Florarctus heimi Delamare Deboutteville & Renaud-Mornant, 1965

Florarctus hulingsi Renaud-Mornant, 1976

Florarctus kwoni Chang & Rho, 1997

Florarctus pulcher Grimaldi de Zio, Lamarca, D'addabbo Gallo & Pietanza, 1999

Florarctus salvati Delamare Debutteville & Renaud-Mornant, 1965
Florarctus stellatus Renaud-Mornant, 1989
Florarctus vulcanius Renaud-Mornant, 1987
Florarctus wunai Fujimoto, 2015

Ligiarctus Renaud-Mornant, 1982
<Amended by Gomes-Júnior *et al.* 2017>

Ligiarctus alatus Gomes-Júnior, E. Santos, da Rocha, P.J.P. Santos & Fontoura, 2018
Ligiarctus eastwardi Renaud-Mornant, 1982

Wingstrandarctus Kristensen, 1984
Wingstrandarctus corallinus Kristensen, 1984
Wingstrandarctus crypticus Renaud-Mornant, 1989
Wingstrandarctus intermedius (Renaud-Mornant, 1967) <Amended by Renaud-Mornant 1989>
Wingstrandarctus stinae Jørgensen, Boesgaard, Møbjerg & Kristensen, 2014
Wingstrandarctus unsculptus Jørgensen, Boesgaard, Møbjerg & Kristensen, 2014

Subfamily: Halechiniscinae Thulin, 1928
<Amended by Grimaldi de Zio *et al.* 1990>

Chrysoarctus Renaud-Mornant, 1984
Chrysoarctus briandi Renaud-Mornant, 1984
Chrysoarctus flabellatus (Grimaldi de Zio, D'Addabbo Gallo, Morone De Lucia, Vaccarella & Grimaldi, 1982)

Halechiniscus Richters, 1908
Halechiniscus chafarinensis Grimaldi de Zio & Villora Moreno, 1995
Halechiniscus churakaagii Fujimoto, 2015
Halechiniscus greveni Renaud-Mornant & Deroux, 1976
Halechiniscus guiteli Richters, 1908
Halechiniscus jejuensis Chang & Rho, 2002
Halechiniscus macrocephalus Grimaldi de Zio, D'Addabbo Gallo & Morone De Lucia, 1988
Halechiniscus paratuleari Grimaldi de Zio, D'Addabbo Gallo & Morone De Lucia, 1988
Halechiniscus perfectus Schulz, 1955
Halechiniscus remanei remanei Schulz, 1955
Halechiniscus remanei antillensis Renaud-Mornant, 1984
Halechiniscus tuleari Renaud-Mornant, 1979
Halechiniscus yanakaagii Fujimoto, 2015

Subfamily: Orzeliscinae Schulz, 1963
<Amended by Gross *et al.* 2014>

Mutaparadoxipus Gross, Miller & Hochberg, 2014
Mutaparadoxipus duodigifinis Gross, Miller & Hochberg, 2014

Opydorscus Renaud-Mornant, 1989
Opydorscus fonsecae Renaud-Mornant, 1989

Orzeliscus du Bois-Reymond Marcus, 1952

Orzeliscus asiaticus Lee, Rho & Chang, 2017

Orzeliscus belopus du Bois-Reymond Marcus, 1952 [*Orzeliscus septentrionalis* Schulz, 1953 according to Pollock 1982]

Paradoxipus Kristensen & Higgins, 1989

<Transferred from *Halechiniscinae* by Gross *et al.* 2014>

Paradoxipus orzeliscoides Kristensen & Higgins, 1989

Subfamily: *Quisarctinae* Fujimoto, 2015

Quisarctus Fujimoto, 2015

Quisarctus yasumurai Fujimoto, 2015

Family: *Neoarctidae* (de Zio Grimaldi, D'Addabbo Gallo & Morone De Lucia, 1992)

Neoarctus de Zio Grimaldi, D'Addabbo Gallo & Morone De Lucia, 1992

Neoarctus primigenius de Zio Grimaldi, D'Addabbo Gallo & Morone De Lucia, 1992

Family: *Neostygarctidae* de Zio Grimaldi, D'Addabbo Gallo & De Lucia Morone, 1987
{not more valid according to Hansen *et al.* 2012; considered still valid and amended by Fujimoto & Miyazaki 2013; amended by Kristensen *et al.* 2015}

Neostygarctus Grimaldi de Zio, D'Addabbo Gallo & Morone De Lucia, 1982

<Transferred from *Neostygarctidae* into *Stygarctidae* by Hansen *et al.* 2012; re-transferred by Kristensen *et al.* 2015>

Neostygarctus acanthophorus Grimaldi de Zio, D'Addabbo Gallo & Morone De Lucia, 1982

Neostygarctus grossmeteori Tchesunov, 2018

Neostygarctus lovedeluxe Fujimoto & Miyazaki, 2013 {species described in *Neostygarctidae* by Fujimoto & Miyazaki 2013}

Neostygarctus oceanopolis Kristensen, Sørensen, Hansen & Zeppilli, 2015

Family: *Renaudarctidae* Kristensen & Higgins, 1984

<Amended by Hansen *et al.* 2012> <Amended by Fujimoto & Yamasaki 2017>

Nodarctus Fujimoto & Yamasaki, 2017

Nodarctus hallucis Fujimoto & Yamasaki, 2017

Renaudarctus Kristensen & Higgins, 1984

<Amended by Hansen *et al.* 2012>

Renaudarctus fossorius Hansen, Kristensen & Jørgensen, 2012

Renaudarctus psammocryptus Kristensen & Higgins, 1984

Family: *Stygarctidae* Schulz, 1951

<Amended by Hansen *et al.* 2012>

Subfamily: Megastygarctidinae Bello & de Zio Grimaldi, 1998
<Amended by Hansen & Kristensen 2006>

Megastygarctides McKirdy, Schmidt & McGinty-Bayly, 1976
Megastygarctides christinae Hansen & Kristensen, 2006
Megastygarctides gerdae Hansen & Kristensen, 2006
Megastygarctides isounguis Renaud-Mornant, 1981
Megastygarctides orbiculatus McKirdy, Schmidt & McGinty-Bayly, 1976
Megastygarctides setoloso Morgan & O'Reilly, 1989
Megastygarctides sezginii Ürkmez, Ostrowska, Roszkowska, Gawlak, Zawierucha, Kristensen & Kaczmarek, 2017

Subfamily: Stygarctinae Schulz, 1951

Faroestygarctus Hansen, Kristensen & Jørgensen, 2012
Faroestygarctus dezioae Hansen, Kristensen & Jørgensen, 2012

Hansenarctus Fujimoto & Ohtsuka, 2019
Hansenarctus toyoshiomaruae Fujimoto & Ohtsuka, 2019

Mesostygarctus Renaud-Mornant, 1979
<Amended and reconsidered valid as genus by Hansen *et al.* 2012>
Mesostygarctus intermedius Renaud-Mornant, 1979 <Transferred from *Pseudostygarctus* by Hansen *et al.* 2012>
Mesostygarctus spiralis Hansen, Kristensen & Jørgensen, 2012

Parastygarctus Renaud-Debyser, 1965
<Amended by Hansen *et al.* 2012>
Parastygarctus biungulatus Morone De Lucia, Grimaldi de Zio & D'Addabbo Gallo, 1984
Parastygarctus higginsi Renaud-Debyser, 1965
Parastygarctus mediterranicus Gallo D'Addabbo, Grimaldi de Zio & Sandulli, 2001
Parastygarctus renaudae Grimaldi de Zio, D'Addabbo Gallo, Morone De Lucia & Daddabbo, 1987
Parastygarctus robustus Hansen, Kristensen & Jørgensen, 2012
Parastygarctus sterreri Renaud-Mornant, 1970
Parastygarctus svennevigi Hansen, Kristensen & Jørgensen, 2012

Prostygarctus Rubal, Veiga, Fontoura & Sousa-Pinto, 2013
Prostygarctus aculeatus Rubal, Veiga, Fontoura & Sousa-Pinto, 2013

Pseudostygarctus McKirdy, Schmidt & McGinty-Bayly, 1976
<Amended by Hansen *et al.* 2012>
Pseudostygarctus apuliae Gallo D'Addabbo, de Zio Grimaldi & D'Addabbo, 2000
Pseudostygarctus galloae Hansen, Kristensen & Jørgensen, 2012
Pseudostygarctus mirabilis de Zio Grimaldi, D'Addabbo Gallo & Morone De Lucia, 1998
Pseudostygarctus rugosus Gallo D'Addabbo, de Zio Grimaldi & Sandulli, 2001
Pseudostygarctus triungulatus McKirdy, Schmidt & McGinty-Bayly, 1976 <Amended by

Hansen *et al.* 2012>

Stygarctus Schulz, 1951

Stygarctus abornatus McKirdy, Schmidt & McGinty-Bayly, 1976

Stygarctus ayatori Fujimoto, 2014

Stygarctus bradypus Schulz, 1951

Stygarctus goubaultae Renaud-Mornant, 1981

Stygarctus granulatus Pollock, 1970

Stygarctus lambertii Grimaldi de Zio, D'Addabbo Gallo, Morone De Lucia & Daddabbo, 1987

Stygarctus spinifer Hiruta, 1985

Family: *Styraconyxidae* Kristensen & Renaud-Mornant, 1983

<Amended by Jørgensen *et al.* 2014> <Former subfamily of *Halechiniscidae* elevated to family level and amended by Fujimoto *et al.* 2016>

Angursa Pollock, 1979

<Amended by Fujimoto & Hansen 2019>

Angursa abyssalis Renaud-Mornant, 1981 {for taxonomic status of the subspecies see Kaczmarek *et al.* 2015} <Amended by Fujimoto & Hansen 2019 who consider *Angursa bicuspis abyssalis* to be a valid species>

Angursa antarctica Villora-Moreno, 1998 <Amended by Fujimoto & Hansen 2019>

Angursa bicuspis Pollock, 1979 <Amended by Fujimoto & Hansen 2019>

Angursa capsula Bussau, 1992

Angursa clavifera Noda, 1985 {Bussau (1992) elevated *A. bicuspis clavifera* to the species level}

Angursa lanceolata Renaud-Mornant, 1981 <Amended by Fujimoto & Hansen 2019>

Angursa lingua Bussau, 1992

Angursa seisuimaruae Fujimoto & Hansen, 2019

Bathyechiniscus Steiner, 1926

Bathyechiniscus tetronyx Steiner, 1926 <Amended by Pollock 1983>

Lepoarctus Kristensen & Renaud-Mornant, 1983

Lepoarctus coniferus (Renaud-Mornant, 1975)

Paratanarctus D'Addabbo Gallo, Grimaldi de Zio, Morone De Lucia & Troccoli, 1992

Paratanarctus kristenseni D'Addabbo Gallo, Grimaldi de Zio, Morone De Lucia & Troccoli, 1992

Pleocola Cantacuzène, 1951

Pleocola limnoriae Cantacuzène, 1951

Raiarctus Renaud-Mornant, 1981

<Amended by Jørgensen *et al.* 2014>

Raiarctus aureolatus Renaud-Mornant, 1981

Raiarctus colurus Renaud-Mornant, 1981

Raiarctus jesperi Jørgensen, Boesgaard, Møbjerg & Kristensen, 2014

Raiarctus katrinae Jørgensen, Boesgaard, Møbjerg & Kristensen, 2014

Raiarctus variabilis D'Addabbo Gallo, Grimaldi de Zio & Morone De Lucia, 1986

Rhomboarctus Renaud-Mornant, 1984

Rhomboarctus aslaki Hansen, Gallo D'Addabbo & de Zio Grimaldi, 2003

Rhomboarctus duplicicaudatus Hansen, Gallo D'Addabbo & de Zio Grimaldi, 2003

Rhomboarctus thomassini Renaud-Mornant, 1984

Styraconyx Thulin, 1942

Styraconyx craticuliformis Chang & Rho, 1998

Styraconyx craticulus (Pollock, 1983)

Styraconyx hallasi Kristensen, 1977

Styraconyx haploceros Thulin, 1942

Styraconyx kristenseni kristenseni Renaud-Mornant, 1981

Styraconyx kristenseni neocaledonensis Renaud-Mornant, 1981

Styraconyx nanoqsunguak Kristensen & Higgins, 1984

Styraconyx paulae Robotti, 1971

Styraconyx qivitoq Kristensen & Higgins, 1984

Styraconyx sardiniae D'Addabbo Gallo, Morone De Lucia & Grimaldi de Zio, 1989

Styraconyx sargassi Thulin, 1942

Styraconyx testudo D'Addabbo Gallo, Grimaldi de Zio & Morone De Lucia, 1984

Styraconyx turbinarium Bartels, Fontoura & Nelson, 2015

Styraconyx tyrrhenus D'Addabbo Gallo, Morone De Lucia & Grimaldi de Zio, 1989

Tetrakentron Cuénot, 1892

Tetrakentron synaptae Cuénot, 1892

Tholoarctus Kristensen & Renaud-Mornant, 1983

<Amended by Jørgensen *et al.* 2014>

Tholoarctus natans natans Kristensen & Renaud-Mornant, 1983

Tholoarctus natans pedunculatus D'Addabbo Gallo, de Zio Grimaldi, Morone De Lucia & Troccoli, 1992

Tholoarctus oleseni Jørgensen, Boesgaard, Møbjerg & Kristensen, 2014

Family: **Tanarctidae** Renaud-Mornant, 1980

<Former subfamily of Halechiniscidae elevated to family level and amended by Fujimoto *et al.* 2016>

Actinarctus Schulz, 1935

Actinarctus doryphorus doryphorus Schulz, 1935

Actinarctus doryphorus ocellatus Renaud-Mornant, 1971

Actinarctus lyrophorus Renaud-Mornant, 1979

Actinarctus neretinus Grimaldi de Zio, D'Addabbo Gallo, Morone De Lucia, Vaccarella & Grimaldi, 1982

Actinarctus physophorus Grimaldi de Zio, D'Addabbo Gallo, Morone De Lucia, Vaccarella & Grimaldi, 1982

Tanarctus Renaud-Debyser, 1959

Tanarctus arbor-spinosus Lindgren, 1971
Tanarctus bubulubus Jørgensen & Kristensen, 2001
Tanarctus dendriticus Renaud-Mornant, 1980
Tanarctus diplocerus Fujimoto, Miyazaki & Suzuki, 2013
Tanarctus gracilis Renaud-Mornant, 1980
Tanarctus helleouetae Renaud-Mornant, 1984
Tanarctus heterodactylus Renaud-Mornant, 1980
Tanarctus hirsutospinosus Jørgensen, Boesgaard, Møbjerg & Kristensen, 2014
Tanarctus ittanmomen Fujimoto, 2018
Tanarctus longisetosus Grimaldi de Zio, D'Addabbo Gallo, Morone De Lucia, Vaccarella & Grimaldi, 1982
Tanarctus minotauricus Renaud-Mornant, 1984
Tanarctus ramazzottii Renaud-Mornant, 1975
Tanarctus tauricus Renaud-Debyser, 1959
Tanarctus velatus McKirdy, Schmidt & McGinty-Bayly, 1976

Zioella Renaud-Mornant, 1987

Zioella pavonina Renaud-Mornant, 1987

Order: ECHINISCOIDEA Richters, 1926

Family: Echiniscoididae Kristensen & Hallas, 1980

Subfamily: Echiniscoidinae Kristensen & Hallas, 1980

{not explicitly defined by Møbjerg *et al.* (2016) who erected the Isoechiniscoidinae within Echiniscoididae}

Anisonyches Pollock, 1975

<Amended by Bartels *et al.* 2018>

Anisonyches deliquus Chang & Rho, 1998

Anisonyches diakidius Pollock, 1975 <Amended by Bartels *et al.* 2018>

Anisonyches eleutherensis Bartels, Fontoura & Nelson, 2018

Anisonyches mauritanus Grimaldi de Zio, D'Addabbo Gallo, Morone De Lucia & Daddabbo, 1987

Echiniscoides Plate, 1888

Echiniscoides andamanensis Chang & Rho, 1998

Echiniscoides bruni D'Addabbo Gallo, Grimaldi de Zio, Morone De Lucia & Troccoli, 1992

Echiniscoides hoepneri Kristensen & Hallas, 1980

Echiniscoides horningi Miller & Kristensen, 1999

Echiniscoides pollocki Hallas & Kristensen, 1982

Echiniscoides rugostellatus Perry, Rawson, Ameral, Miller, J.D. Miller, 2018

Echiniscoides sigismundi sigismundi (M. Schultze, 1865)

Echiniscoides sigismundi galliensis Kristensen & Hallas, 1980

Echiniscoides sigismundi groenlandicus Kristensen & Hallas, 1980

Echiniscoides sigismundi hispaniensis Kristensen & Hallas, 1980

Echiniscoides sigismundi mediterranicus Kristensen & Hallas, 1980

Echiniscoides sigismundi polynesiensis Renaud-Mornant, 1976
Echiniscoides sigismundi porphyrae Grimaldi de Zio, Gallo D'Addabbo & Pietanza, 2000
Echiniscoides sigismundi verrucariae Grimaldi de Zio, Gallo D'Addabbo & Pietanza, 2000
Echiniscoides travei Bellido & Bertrand, 1981
Echiniscoides wyethi Perry & Miller, 2015

Subfamily: Isoechiniscoidinae Møbjerg, Kristensen & Jørgensen, 2016

Isoechiniscoides Møbjerg, Kristensen & Jørgensen, 2016
Isoechiniscoides higginsi (Hallas & Kristensen, 1982) <Transferred from *Echiniscoides* by Møbjerg *et al.* 2016>
Isoechiniscoides sifae Møbjerg, Kristensen & Jørgensen, 2016

Family: Carphaniidae Binda & Kristensen, 1986

Carphania Binda, 1978
Carphania fluviatilis Binda, 1978

Family: Oreellidae Ramazzotti, 1962 (*sensu* Puglia unpublished thesis 1959)

Oreella Murray, 1910
Oreella chugachii Calloway, Miller, Johansson & Whiting, 2011
Oreella mollis Murray, 1910 [*Oreella minor* Ramazzotti, 1964]
Oreella vilucensis Rahm, 1931 *species inquirenda* [*Oreella bonnensis* Rahm, 1932]

Family: Echiniscidae Thulin, 1928

Subfamily: Echiniscinae Thulin, 1928 in Guil *et al.* 2019

Tribe: Echiniscini Thulin, 1928 in Guil *et al.* 2019

Barbaria Michalczyk, Gąsiorek, Morek & Stec, 2019 in Gąsiorek *et al.* 2019b
Barbaria bigranulata (Richters, 1907) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019b>
Barbaria danieli (Meyer, Tsaliki & Sorgee, 2017) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019b>
Barbaria ganczareki (Michalczyk & Kaczmarek, 2007) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019b>
Barbaria hanna (Roszkowska, Gawlak, Draga & Kaczmarek, 2019) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019b>
Barbaria jenningsi (Dastyh, 1984) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019b>
Barbaria madonnae (Michalczyk & Kaczmarek, 2006) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019b>
Barbaria ollantaytamboensis (Nickel, Miller & Marley, 2001) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019b>
Barbaria pseudowendti (Dastyh, 1984) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019b>
Barbaria ranzii (Ramazzotti, 1964) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019b>

Claxtonia Gąsiorek & Michalczyk, 2019 in Gąsiorek *et al.* 2019b
Claxtonia barbarae (Kaczmarek & Michalczyk, 2002) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019b>
Claxtonia capillata (Ramazzotti, 1956) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019b>
Claxtonia corrugicaudata (McInnes, 2009) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019b>
Claxtonia crebraclava (Sun, X. Li & Feng, 2014) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019b>
Claxtonia malpighii (Biserov, 1994) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019b>
Claxtonia marginopora (Grigarick, Schuster & Nelson, 1983) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019b>
Claxtonia maucii (Ramazzotti, 1956) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019b>
Claxtonia molluscorum (Fox & Garcia-Moll, 1962) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019b>
Claxtonia moniliata (Iharos, 1967) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019b>
Claxtonia pardalis (Degma & Schill, 2015) <*nomen inquirendum* according to Gąsiorek *et al.* 2019b> <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019b>
Claxtonia vincula (Horning, Schuster & Grigarick, 1978) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019b>
Claxtonia wendti (Richters, 1903) [*Echiniscus dearmatus* Bartoš, 1935 according to Gąsiorek *et al.* 2019b, *Echiniscus szaboi* Iharos, 1973 as it was already synonymized with *E. dearmatus*] <*E. wendti* and *E. dearmatus* transferred from *Echiniscus* by Gąsiorek *et al.* 2019b>

Diploechiniscus Vicente, Fontoura, Cesari, Rebecchi, Guidetti, Serrano & Bertolani, 2013
Diploechiniscus horningi (Schuster & Grigarick, 1971) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019b>
Diploechiniscus oihonnae (Richters, 1903) [*Echiniscus multispinosus* da Cunha, 1944 according to Vicente *et al.* 2013]

Echiniscus C.A.S. Schultze, 1840
 <Amended by Gąsiorek *et al.* 2017b>

Echiniscus africanus Murray, 1907
Echiniscus aliquantillus Grigarick, Schuster & Nelson, 1983
Echiniscus angolensis da Cunha & do Nascimento Ribeiro, 1964
Echiniscus apuanus M. Bertolani, 1946
Echiniscus arcangelii Maucci, 1973-74
Echiniscus arctomys Ehrenberg, 1853 <*nomen inquirendum* according to Gąsiorek *et al.* 2019b>
Echiniscus arthuri Pilato, Binda & Lisi, 2005
Echiniscus azoricus Fontoura, Pilato & Lisi, 2008
Echiniscus baius Marcus, 1928
Echiniscus baloghi Iharos, 1973
Echiniscus batramiae Iharos, 1936
Echiniscus becki Schuster & Grigarick, 1966
Echiniscus belloporus Gąsiorek & Kristensen, 2018
Echiniscus bisculptus Maucci, 1983
Echiniscus blumi blumi Richters, 1903 [*Echiniscus ramazzottii* Binda & Pilato, 1969, *Echiniscus*

bisetosus Heinis, 1908 according to Gašiorek *et al.* 2019b, *Echiniscus mediantus* Marcus, 1930 according to Gašiorek *et al.* 2019b]
Echiniscus blumi schizofilus Bartoš, 1941
Echiniscus calcaratus Richters, 1908
Echiniscus calvus Marcus, 1931
Echiniscus canadensis Murray, 1910 [*Echiniscus punctulatus* Mihelčič, 1955; *Echiniscus bellus* Mihelčič, 1967]
Echiniscus canedoi da Cunha & do Nascimento Ribeiro, 1962
Echiniscus carusoi Pilato, 1972
Echiniscus cavagnaroi Schuster & Grigarick, 1966 <Amended by Meyer 2016>
Echiniscus cervicornis Murray, 1906
Echiniscus charrua Claps & Rossi, 1997
Echiniscus cheonyoungi Moon & Kim, 1994
Echiniscus clevelandi Beasley, 1999
Echiniscus columinis Murray, 1911
Echiniscus crassispinosus crassispinosus Murray, 1907
Echiniscus crassispinosus fasciatus Marcus, 1928
Echiniscus curiosus Claxton, 1996
Echiniscus dariae Kaczmarek & Michalczyk, 2010
Echiniscus darienae Miller, Horning & Dastych, 1995
Echiniscus dikenli Maucci, 1973
Echiniscus diploglyptus Durante Pasa & Maucci, 1975
Echiniscus divergens Marcus, 1936
Echiniscus dreyfusi de Barros, 1942
Echiniscus duboisi Richters, 1902
Echiniscus egnatae Durante Pasa & Maucci, 1979
Echiniscus ehrenbergi Dastych & Kristensen, 1995
Echiniscus elaeinae Pilato, Binda & Lisi, 2005
Echiniscus evelinae de Barros, 1942
Echiniscus granulatus (Doyère, 1840) [*Echiniscus crassus* Richters, 1904; *Echiniscus fortis* Bartoš, 1935; *Echiniscus abanti* Maucci, 1973]
Echiniscus heterospinosus Maucci, 1954
Echiniscus hexacanthus Maucci, 1973
Echiniscus hoonsooi Moon & Kim, 1990
Echiniscus inocelatus Mihelčič, 1938 [*Echiniscus inocellatus* Mihelčič, 1964]
Echiniscus insuetus Mihelčič, 1967 <species dubia according to Gašiorek *et al.* 2019b>
Echiniscus jagodici Mihelčič, 1951
Echiniscus jamesi Claxton, 1996
Echiniscus kerguelensis Richters, 19074
Echiniscus knowltoni Schuster & Grigarick, 1971
Echiniscus kosickii Kaczmarek & Michalczyk, 2010
Echiniscus lapponicus Thulin, 1911
Echiniscus laterosetosus Ito, 1993
Echiniscus laterospinosus Rudescu, 1964
Echiniscus lentiferus Claxton & Dastych, 2017
Echiniscus lichenorum Maucci, 1983 <nomen inquirendum according to Gašiorek *et al.* 2019b>
Echiniscus lineatus Pilato, Fontoura, Lisi & Beasley, 2008

Echiniscus longispinosus Murray, 1907
Echiniscus loxophthalmus Richters, 1911 <species dubia according to Gąsiorek et al. 2019b>
Echiniscus manuelae da Cunha & do Nascimento Ribeiro, 1962
Echiniscus marculsi Pilato, Claxton & Binda, 1989
Echiniscus marginatus Binda & Pilato, 1994
Echiniscus marleyi X. Li, 2007
Echiniscus merokensis merokensis Richters, 1904 [*Echiniscus iharosi* Rudescu, 1964, *Echiniscus simba* Marcus, 1928 according to Gąsiorek et al. 2019b]
Echiniscus merokensis suecicus Thulin, 1911
Echiniscus migiurtinus Franceschi, 1957
Echiniscus militaris Murray, 1911
Echiniscus mongoliensis Iharos, 1973 <Elevated to the species level by Gąsiorek et al. 2017b>
Echiniscus montanus Iharos, 1982
Echiniscus mosaicus Grigarick, Schuster & Nelson, 1983
Echiniscus murrayi Iharos, 1969
Echiniscus nelsonae X. Li, L. Wang & Yu, 2007
Echiniscus nepalensis Dastych, 1975
Echiniscus nigripustulus Horning, Schuster & Grigarick, 1978
Echiniscus ornamentatus Gąsiorek & Kristensen, 2018
Echiniscus osellai Maucci, 1975
Echiniscus pajstunensis Bartoš, 1941
Echiniscus palmai Dastych, 1997
Echiniscus perarmatus Murray, 1907 [*Echiniscus maesi* Séméria, 1985 according to Gąsiorek et al. 2019b]
Echiniscus peruvianus Binda & Pilato, 1994
Echiniscus polygonalis Ito, 1993
Echiniscus pooensis Rodriguez-Roda, 1948
Echiniscus porabrus Horning, Schuster & Grigarick, 1978
Echiniscus postojnensis Mihelčič, 1967 [*Echiniscus loxophthalmus* Mihelčič, 1939]
Echiniscus punctus McInnes, 1995
Echiniscus pusae Marcus, 1928
Echiniscus quadrispinosus quadrispinosus Richters, 1902 [*Echiniscus scrofa* Richters, 1902]
Echiniscus quadrispinosus brachyspinosus Bartoš, 1934
Echiniscus quadrispinosus cribrosus Murray, 1907
Echiniscus quadrispinosus fissispinosus Murray, 1907
Echiniscus quitensis Pilato, 2007
Echiniscus rackae Dastych, 1986
Echiniscus reymondi Marcus, 1928
Echiniscus robertsi Schuster & Grigarick, 1965
Echiniscus rodnae Claxton, 1996
Echiniscus rugospinosus Marcus, 1928
Echiniscus scabrospinosus Fontoura, 1982 <Amended by Pilato et al. 2008b>
Echiniscus semifoveolatus Ito, 1993
Echiniscus shaanxiensis X. Li, L. Wang & Yu, 2007
Echiniscus siegristi Heinis, 1911
Echiniscus siticulosus Gąsiorek & Michalczyk, 2019
Echiniscus speciosus Mihelčič, 1967 [*Echiniscus roseus* Mihelčič, 1967] <species dubia

according to Gąsiorek *et al.* 2019b>

Echiniscus spiculifer Schaudinn, 1901 <*species dubia* according to Gąsiorek *et al.* 2019b>

Echiniscus spiniger Richters, 1904

Echiniscus spinulosus (Doyère, 1840)

Echiniscus succineus Gąsiorek & Vončina, 2019

Echiniscus sylvanus Murray, 1910

Echiniscus taibaiensis L. Wang & X. Li, 2005

Echiniscus tamus Mehlen, 1969 <Amended by Miller & Mehlen 2007>

Echiniscus tenuis Marcus, 1928 <probably *Bryodelphax* according to Gąsiorek *et al.* 2019b>

Echiniscus testudo (Doyère, 1840) <Amended by Gąsiorek *et al.* 2017b> [*Echiniscus bellermanni* C.A.S. Schultze, 1840; *Echiniscus inermis* Richters, 1902; *Echiniscus trifilis* Rahm, 1921; *Echiniscus testudo quadrifilis* by Gąsiorek *et al.* 2017b; *Echiniscus filamentosus* Plate, 1888 by Gąsiorek *et al.* 2017b; *Echiniscus glaber* Bartoš, 1937 by Gąsiorek *et al.* 2017b]

Echiniscus trisetosus Cuénot, 1932 [*Echiniscus storkani* Bartoš, 1940 according to Gąsiorek *et al.* 2019b]

Echiniscus tristis Gąsiorek & Kristensen, 2018

Echiniscus trojanus Maucci, 1973

Echiniscus tropicalis Binda & Pilato, 1995

Echiniscus tympanista Murray, 1911

Echiniscus velaminis Murray, 1910

Echiniscus virginicus Riggin, 1962 <Amended by Christenberry & Mason 1979>

Echiniscus weisseri Maucci, 1978

Echiniscus zetotrymus Horning, Schuster & Grigarick, 1978

Hypechiniscus Thulin, 1928

Hypechiniscus exarmatus (Murray, 1907) [*Orella breviclava* Grigarick, Schuster & Nelson, 1983]

Hypechiniscus fengi Sun & X. Li, 2013

Hypechiniscus gladiator gladiator (Murray, 1905) [*Parechiniscus unispinosus* da Cunha, 1947]

Hypechiniscus gladiator bigladii (Iharos, 1973)

Hypechiniscus gladiator fissigladii (Iharos, 1973)

Hypechiniscus gladiator spinulosa (Iharos, 1973)

Hypechiniscus papillifer (Robotti, 1972)

Kristenseniscus Gąsiorek, Morek, Stec & Michalczyk, 2019

Kristenseniscus kofordi (Schuster & Grigarick, 1966) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019b>

Kristenseniscus limai (da Cunha & do Nascimento Ribeiro, 1964) <*nomen inquirendum* according to Gąsiorek *et al.* 2019b> <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019b>

Kristenseniscus tessellatus (Murray, 1910) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019b>

Kristenseniscus walteri (Pilato & Lisi, 2003) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019b>

Nebularmis Gąsiorek & Michalczyk, 2019 in Gąsiorek *et al.* 2019b

Nebularmis carsicus (Mihelčič, 1966) <species dubia according to Gąsiorek et al. 2019b>
<Transferred from *Echiniscus* by Gąsiorek et al. 2019b>
Nebularmis cirinoi (Binda & Pilato, 1993) <Transferred from *Echiniscus* by Gąsiorek et al. 2019b>
Nebularmis japonicus (Morikawa, 1951) <nomen inquirendum according to Gąsiorek et al. 2019b> <Transferred from *Echiniscus* by Gąsiorek et al. 2019b>
Nebularmis markezi (Mihelčič, 1971/72) <Transferred from *Echiniscus* by Gąsiorek et al. 2019b>
Nebularmis mihelcici (Iharos, 1973) <species dubia according to Gąsiorek et al. 2019b>
<Transferred from *Echiniscus* by Gąsiorek et al. 2019b>
Nebularmis nobilis (Mihelčič, 1967) <species dubia according to Gąsiorek et al. 2019b>
<Transferred from *Echiniscus* by Gąsiorek et al. 2019b>
Nebularmis phocae (du Bois-Reymond Marcus, 1944) <nomen inquirendum according to Gąsiorek et al. 2019b> <Transferred from *Echiniscus* by Gąsiorek et al. 2019b>
Nebularmis reticulatus (Murray, 1905) <Transferred from *Echiniscus* by Gąsiorek et al. 2019b>
Nebularmis tardus (Mihelčič, 1951) <species dubia according to Gąsiorek et al. 2019b>
<Transferred from *Echiniscus* by Gąsiorek et al. 2019b>

Stellariscus Gąsiorek, Suzuki, Kristensen & Michalczyk, 2018 in Gąsiorek et al. 2018c
Stellariscus elegans (Richters, 1907) <Transferred from *Echiniscus* by Gąsiorek et al. 2018c>
Stellariscus latifasciatus (Dudichev & Biserov, 2000) <Transferred from *Echiniscus* by Gąsiorek et al. 2018c>
Stellariscus pseudelegans (Séméria, 1994) <Transferred from *Echiniscus* by Gąsiorek et al. 2018c>

Testechiniscus Kristensen, 1987

<Amended by Gąsiorek et al. 2018b>

Testechiniscus laterculus (Schuster, Grigarick & Toftner, 1980) <Amended by Gąsiorek et al. 2018b>

Testechiniscus macronyx (Richters, 1907)

Testechiniscus meridionalis (Murray, 1906)

Testechiniscus spitsbergensis spitsbergensis (Scourfield, 1897) [*Echiniscus clavisetosus* Mihelčič, 1958; *Echiniscus marinellae* Bartoš, 1935; *Echiniscus melanophthalmus* Bartoš, 1936; *Echiniscus menzeli* Heinis, 1917; *Echiniscus rosaliae* Mihelčič, 1951; *Echiniscus spinuloides* Murray, 1907] <Amended by Gąsiorek et al. 2018b>

Testechiniscus spitsbergensis tropicalis Gąsiorek, Stec, Zawierucha, Kristensen & Michalczyk, 2018

Viridiscus Gąsiorek & Michalczyk, 2019 in Gąsiorek et al. 2019b

Viridiscus clavispinosus Fontoura, Pilato & Lisi, 2011 <Transferred from *Echiniscus* by Gąsiorek et al. 2019b>

Viridiscus perviridis Ramazzotti, 1959 <Transferred from *Echiniscus* by Gąsiorek et al. 2019b>

Viridiscus rufoviridis du Bois-Reymond Marcus, 1944 <Transferred from *Echiniscus* by Gąsiorek et al. 2019b>

Viridiscus viridianus Pilato, Fontoura & Lisi, 2007 <Transferred from *Echiniscus* by Gąsiorek et al. 2019b>

Viridiscus viridis Murray, 1910 <Amended by Pilato et al. 2008a> <Transferred from *Echiniscus*

by Gašiorek *et al.* 2019b>

Viridiscus viridissimus Péterfi, 1956 <Transferred from *Echiniscus* by Gašiorek *et al.* 2019b>

Tribe: Bryodelphaxini Guil, Jørgensen & Kristensen, 2019

Bryochoerus Marcus, 1936

Bryochoerus intermedius intermedius (Murray, 1910)

Bryochoerus intermedius hawaiiicus (Thulin, 1928)

Bryochoerus intermedius laevis (Marcus, 1936)

Bryochoerus liupanensis Xue, X. Li, L. Wang, Xian, Chen, 2017

Bryodelphax Thulin, 1928

Bryodelphax aaseae Kristensen, Michalczyk & Kaczmarek, 2010

Bryodelphax alzirae (du Bois-Reymond Marcus, 1944)

Bryodelphax amphoterus (Durante Pasa & Maucci, 1975)

Bryodelphax arenosus Gašiorek, 2018

Bryodelphax asiaticus Kaczmarek & Michalczyk, 2004

Bryodelphax atlantis Fontoura, Pilato & Lisi, 2008

Bryodelphax brevidentatus Kaczmarek, Michalczyk & Degma, 2005

Bryodelphax crossotus Grigarick, Schuster & Nelson, 1983

Bryodelphax dominicanus (Schuster & Toftner, 1982)

Bryodelphax instabilis Gašiorek & Degma, 2018

Bryodelphax iohannis Bertolani, Guidi & Rebecchi, 1996

Bryodelphax kristenseni Lisi, Daza, Londoño & Quiroga, 2017

Bryodelphax lijiangensis Yang, 2002

Bryodelphax maculatus Gašiorek, Stec, Morek, Marnissi & Michalczyk, 2017

Bryodelphax mateusi (Fontoura, 1982)

Bryodelphax meronensis Pilato, Lisi & Binda, 2010

Bryodelphax olszanowskii Kaczmarek, Parnikoza, Gawlak, Esefeld, Peter, Kozeretska & Roszkowska, 2017

Bryodelphax ortholineatus (Bartoš, 1963)

Bryodelphax parvulus Thulin, 1928

Bryodelphax parvuspolaris Kaczmarek, Zawierucha, Smykla & Michalczyk, 2012

Bryodelphax sinensis (Pilato, 1974)

Bryodelphax tatrensis (Węglarska, 1959)

Bryodelphax weglarskae (Pilato, 1972)

Subfamily: Pseudechiniscinae Guil, Jørgensen & Kristensen, 2019

Tribe: Cornechiniscini Guil, Jørgensen & Kristensen, 2019

Acanthechiniscus Vecchi, Cesari, Bertolani, Jönsson, Rebecchi & Guidetti, 2016a

Acanthechiniscus distinctus (Mihelčič, 1951) <Transferred from *Pseudechiniscus* by Vecchi *et al.* 2016a>

Acanthechiniscus goedeni (Grigarick, Mihelčič & Schuster, 1964) <Transferred from *Pseudechiniscus* by Vecchi *et al.* 2016a>

Acanthechiniscus islandicus (Richters, 1904) <Transferred from *Pseudechiniscus* by Vecchi *et al.*

2016a>

Acanthechiniscus sinensis (Rahm, 1937) <Transferred from *Pseudechiniscus* by Vecchi *et al.*

2016a>

Acanthechiniscus victor (Ehrenberg, 1853) [*Pseudechiniscus tridentifer* Bartoš, 1935]

<Transferred from *Pseudechiniscus* by Vecchi *et al.* 2016a>

Cornechiniscus Maucci & Ramazzotti, 1981

Cornechiniscus brachycornutus Maucci, 1987

Cornechiniscus ceratophorus (Maucci, 1973)

Cornechiniscus cornutus (Richters, 1907) [*Pseudechiniscus intermedius* Mihelčič, 1970]

Cornechiniscus holmeni (Petersen, 1951)

Cornechiniscus lobatus (Ramazzotti, 1943) [*Pseudechiniscus cornutus* Mihelčič, 1966]

Cornechiniscus madagascariensis Maucci, 1993

Cornechiniscus schrammi (Dastych, 1979)

Cornechiniscus subcornutus Maucci & Ramazzotti, 1981

Cornechiniscus tibetanus (Maucci, 1979)

Proechiniscus Kristensen, 1987

Proechiniscus hanneae (Petersen, 1951)

Tribe: *Pseudechiniscini* Guil, Jørgensen & Kristensen, 2019

Mopsechiniscus du Bois-Reymond Marcus, 1944

Mopsechiniscus franciscae Guidetti, Rebecchi, Cesari & McInnes, 2014

Mopsechiniscus frenoti Dastych, 1999

Mopsechiniscus granulosus Mihelčič, 1967

Mopsechiniscus imberbis (Richters, 1907)

Mopsechiniscus schusteri Dastych, 1999

Mopsechiniscus tasmanicus Dastych & Moscal, 1992

Pseudechiniscus Thulin, 1911

<Amended by Vecchi *et al.* 2016a>

Pseudechiniscus alberti Dastych, 1987

Pseudechiniscus asper Abe, Utsugi & Takeda, 1998

Pseudechiniscus bartkei Węglarska, 1962

Pseudechiniscus beasleyi X. Li, L. Wang & Yu, 2007

Pseudechiniscus bidenticulatus Bartoš, 1963

Pseudechiniscus bispinosus (Murray, 1907)

Pseudechiniscus brevimontanus Kendall-Fite & Nelson, 1996

Pseudechiniscus chengi Xue, X. Li, L. Wang, Xian, Chen, 2017

Pseudechiniscus clavatus Mihelčič, 1955

Pseudechiniscus conifer (Richters, 1904)

Pseudechiniscus dicrani Mihelčič, 1938

Pseudechiniscus facettalis Petersen, 1951 [*Pseudechiniscus pseudoconifer facettalis* Maucci, 1954]

Pseudechiniscus gullii Pilato & Lisi, 2006

Pseudechiniscus insolitus Maucci, 1991

Pseudechiniscus jiroveci Bartoš, 1963
Pseudechiniscus juanita de Barros, 1939 [*Pseudechiniscus suillus franciscae* de Barros, 1942]
Pseudechiniscus jubatus Biserov, 1990
Pseudechiniscus megacephalus Mihelčič, 1951
Pseudechiniscus nataliae Biserov & Maucci, 1986
Pseudechiniscus novaezeelandiae novaezeelandiae (Richters, 1908)
Pseudechiniscus novaezeelandiae aspinosa Iharos, 1963
Pseudechiniscus novaezeelandiae laterospinosa Iharos, 1963
Pseudechiniscus novaezeelandiae marinae Bartoš, 1934
Pseudechiniscus occultus Dastych, 1980
Pseudechiniscus papillosus X. Li, L. Wang, Liu & Su, 2005
Pseudechiniscus pilatoi X. Li, 2007
Pseudechiniscus pseudoconifer Ramazzotti, 1943
Pseudechiniscus pulcher (Murray, 1910)
Pseudechiniscus quadrilobatus Iharos, 1969
Pseudechiniscus ramazzottii ramazzottii Maucci, 1952
Pseudechiniscus ramazzottii facettalis Iharos, 1964 [*Pseudechiniscus ramazzottii lineatus* Maucci, 1973-74]
Pseudechiniscus santomensis Fontoura, Pilato & Lisi, 2010
Pseudechiniscus scorteccii Franceschi, 1952
Pseudechiniscus shilinensis Yang, 2002
Pseudechiniscus spinerectus Pilato, Binda, Napolitano & Moncada, 2001
Pseudechiniscus suillus (Ehrenberg, 1853) [*Echiniscus mutabilis* Murray, 1905]
Pseudechiniscus titianae Vecchi, Cesari, Bertolani, Jönsson, Rebecchi & Guidetti, 2016a
Pseudechiniscus transsylvanicus Iharos, 1936
Pseudechiniscus yunnanensis L. Wang, 2009

Tribe: *Anthechiniscini* Guil, Jørgensen & Kristensen, 2019

Antechiniscus Kristensen, 1987
Antechiniscus conversus (Horning & Schuster, 1983)
Antechiniscus jermani Rossi & Claps, 1989
Antechiniscus lateromamillatus (Ramazzotti, 1964)
Antechiniscus moscali Claxton, 2001
Antechiniscus parvisentus (Horning & Schuster, 1983)
Antechiniscus perplexus (Horning & Schuster, 1983)

Multipseudechiniscus Schulte & Miller, 2011
<Amended by Miller *et al.* 2012>
Multipseudechiniscus raneyi (Grigarick, Mihelčič & Schuster, 1964) <Transferred from
Pseudechiniscus by Schulte & Miller, 2011>

Subfamily: *Parechiniscinae* Guil, Jørgensen & Kristensen, 2019

Tribe: *Novechiniscini* Guil, Jørgensen & Kristensen, 2019

Novechiniscus Kristensen, 1987

Novechiniscus armadilloides (R.O. Schuster, 1975)

Tribe: Parechiniscini Guil, Jørgensen & Kristensen, 2019

Parechiniscus Cuénot, 1926

Parechiniscus chitonides Cuénot, 1926

Parechiniscus unispinosus da Cunha, 1947

Class: MESOTARDIGRADA Rahm, 1937 {*nomen dubium* according to Grothman *et al.* 2017}

Order: THERMOZODIA Ramazzotti & Maucci, 1983

Family: Thermozodiidae Rahm, 1937

Thermozodium Rahm, 1937

Thermozodium esakii Rahm, 1937

Class: APOTARDIGRADA Guil, Jørgensen & Kristensen, 2019

Order: APOCHELA Schuster, Nelson, Grigarick & Christenberry, 1980

Family: Milnesiidae Ramazzotti, 1962

Bergtrollus Dastych, 2011

Bergtrollus dzimbowski Dastych, 2011

Limmenius Horning, Schuster & Grigarick, 1978

Limmenius porcellus Horning, Schuster & Grigarick, 1978

Milnesioides Claxton, 1999

Milnesioides exsertum Claxton, 1999

Milnesium Doyère, 1840

Milnesium alabamae Wallendorf & Miller, 2009

Milnesium almatyense Tumanov, 2006

Milnesium alpigenum Ehrenberg, 1853 {valid according to Morek *et al.* 2016} <Redescribed by Morek *et al.* 2019>

Milnesium antarcticum Tumanov, 2006

Milnesium argentinum Roszkowska, Ostrowska & Kaczmarek, 2015

Milnesium asiaticum Tumanov, 2006

Milnesium barbadosense Meyer & Hinton, 2012

Milnesium beasleyi Kaczmarek, Jakubowska & Michalczyk, 2012

Milnesium beatae Roszkowska, Ostrowska & Kaczmarek, 2015

Milnesium berladnicorum Ciobanu, Zawierucha, Moglan & Kaczmarek, 2014

Milnesium bohleberi Bartels, Nelson, Kaczmarek & Michalczyk, 2014

Milnesium brachyungue Binda & Pilato, 1990

Milnesium burgessi Schlabach, Donaldson, Hobelman, Miller & Lowman, 2018

Milnesium dornensis Ciobanu, Roszkowska & Kaczmarek, 2015
Milnesium dujiangensis Yang, 2003 {*nomen dubium* according to Morek *et al.* 2016}
Milnesium eurystomum Maucci, 1991 <Amended by Michalczyk *et al.* 2012>
Milnesium granulatum Ramazzotti, 1962 <Amended and elevated to the species level by Michalczyk *et al.* 2012>
Milnesium inceptum Morek, Suzuki, Schill, Georgiev, Yankova, Marley & Michalczyk, 2019
Milnesium jacobii Meyer & Hinton, 2010
Milnesium katarzynae Kaczmarek, Michalczyk & Beasley, 2004
Milnesium kogui Londoño, Daza, Caicedo, Quiroga & Kaczmarek, 2015
Milnesium krzysztofi Kaczmarek & Michalczyk, 2007
Milnesium lagniappe Meyer, Hinton & Dupré, 2013
Milnesium longiungue Tumanov, 2006
Milnesium minutum Pilato & Lisi, 2016
Milnesium quadrifidum Nederström, 1919 {valid according to Morek *et al.* 2016}
Milnesium reductum Tumanov, 2006
Milnesium reticulatum Pilato, Binda & Lisi, 2002
Milnesium sandrae Pilato & Lisi, 2016
Milnesium shilohae Meyer, 2015
Milnesium swanstoni Young, Chappell, Miller & Lowman, 2016
Milnesium swolenskyi Bertolani & Grimaldi, 2000 {fossil species}
Milnesium tardigradum tardigradum Doyère, 1840 <Amended by Michalczyk *et al.* 2012; Amended by Morek *et al.* 2018>
Milnesium tardigradum trispinosa Rahm, 1931 {*nomen dubium* according to Morek *et al.* 2016} {not valid according to Suzuki 2016}
Milnesium tetralamellatum Pilato & Binda, 1991
Milnesium tumanovi Pilato, Sabella & Lisi, 2016
Milnesium validum Pilato, Sabella, D'Urso & Lisi, 2017
Milnesium variefidum Morek, Gąsiorek, Stec, Blagden & Michalczyk, 2016
Milnesium vorax Pilato, Sabella & Lisi, 2016
Milnesium zsalakoe Meyer & Hinton, 2010

Class: EUTARDIGRADA Richters, 1926

<Amended by Guil *et al.* 2019 and corresponding to the former order PARACHELA Schuster *et al.*, 1980; The previous class EUTARDIGRADA Richters, 1926 was formerly consisted of two orders: order APOCHELA – now raised to the new class APOTARDIGRADA by Guil *et al.* 2019 and order PARACHELA Schuster, Nelson, Grigarick & Christenberry, 1980 – suppressed by Guil *et al.* 2019>

Order: EOHYPSIBIOIDEA Guil, Jørgensen & Kristensen, 2019

<Corresponding to the superfamily Eohypsibioidea Bertolani & Kristensen, 1987 in Marley *et al.* 2011 elevated to higher level by Guil *et al.* 2019>

Family: Eohypsibiidae Bertolani & Kristensen, 1987

<Amended by Trygvadóttir & Kristensen 2011>

[Amphibolidae Bertolani, 1981]

Austeruseus Trygvadóttir & Kristensen, 2011

Austeruseus balduri Trygvadóttir & Kristensen 2011
Austeruseus faeroensis Trygvadóttir & Kristensen 2011
Austeruseus rokuri Trygvadóttir & Kristensen 2011

Bertolanus Özdikmen, 2008

<Amended by Trygvadóttir & Kristensen 2011>

[*Amphibolus* Bertolani, 1981 in Özdikmen 2008]

Bertolanus birnae Hansen, Kristensen, Bertolani & Guidetti, 2016

Bertolanus mahunkai (Iharos, 1971)

Bertolanus markevichi (Biserov, 1992)

Bertolanus nebulosus (Dastych, 1983)

Bertolanus portucalensis Fontoura, Pilato, Lisi & Morais, 2009

Bertolanus smreczynskii (Węglarska, 1970)

Bertolanus volubilis (Durante Pasa & Maucci, 1975)

Bertolanus weglarskae (Dastych, 1972)

Eohypsibius Kristensen, 1982

<Amended by Trygvadóttir & Kristensen 2011>

Eohypsibius nadjae Kristensen, 1982

Eohypsibius terrestris Ito, 1988

Order: HYPYSIBIOIDEA Guil, Jørgensen & Kristensen, 2019

<Corresponding to the superfamily Hypsibioidea Pilato, 1969 in Marley *et al.* 2011 amended by Bertolani *et al.* 2014 and Gąsiorek *et al.* 2018a and subsequently elevated to higher level by Guil *et al.* 2019>

Family: Calohypsibiidae Pilato, 1969

<Amended by Bertolani *et al.* 2014>

<Amended by Gąsiorek *et al.* 2019a>

Calohypsibius Thulin, 1928

Calohypsibius ornatus (Richters, 1900) [*Hypsibius* (*Calohypsibius*) *armatus* Bartoš, 1938;

Hypsibius (*Calohypsibius*) *intermedius* Mihelčič, 1939]

Calohypsibius maliki Michalczyk & Kaczmarek, 2005

Calohypsibius schusteri Nelson & McGlothlin, 1996

Family: Hypsibiidae Pilato, 1969

<Amended by Bertolani *et al.* 2014>

<Amended by Gąsiorek *et al.* 2018a>

Subfamily: Diphasconinae Dastych, 1992

<Amended by Bertolani *et al.* 2014>

Diphascon Plate, 1888

<Amended by Bertolani *et al.* 2014>

Diphascon alpinum Murray, 1906

Diphascon australianum Pilato & Binda, 1998

Diphascon bicorne (Mihelčič, 1971)
Diphascon bidropion Ito, 1995
Diphascon birklehofti Rolf Schuster, 1999
Diphascon chilense Plate, 1888
Diphascon claxtonae Pilato & Binda, 1998
Diphascon coniferens (Bartoš, 1960)
Diphascon dastychi Pilato & Binda, 1999
Diphascon dolomiticum Pilato & Bertolani, 2005
Diphascon faialense Fontoura & Pilato, 2007
Diphascon halapiense (Iharos, 1964) <Transferred to *Pilatobius* by Bertolani *et al.* 2014. Re-transferred to *Diphascon* by Tumanov 2018>
Diphascon higginsii Binda, 1971
Diphascon humicus Bertolani, Guidetti & Rebecchi, 1994
Diphascon hydrophilum Pilato, Binda, Bertolani & Lisi, 2005
Diphascon iharosi Vargha, 1995
Diphascon langhovdense (Sudzuki, 1964)
Diphascon marcuzzii (Mihelčič, 1971)
Diphascon mariae (Mihelčič, 1951)
Diphascon mirabilis Dastych, 1984
Diphascon mitrense Pilato, Binda & Qualtieri, 1999
Diphascon nelsonae Pilato, Binda, Bertolani & Lisi, 2005
Diphascon nobilei (Binda, 1969)
Diphascon ongulense (Morikawa, 1962)
Diphascon pingue pingue (Marcus, 1936)
Diphascon pingue brunsvicense Argue, 1972
Diphascon pinguiforme Pilato & Binda, 1997/98
Diphascon platyungue Pilato, Binda, Bertolani & Lisi, 2005
Diphascon polare Pilato & Binda, 1999
Diphascon puchalskii Kaczmarek, Parnikoza, Gawlak, Esefeld, Peter, Kozeretska & Roszkowska, 2017
Diphascon punctatum (Iharos, 1962)
Diphascon puniceum (Jennings, 1976)
Diphascon rivulare (Mihelčič, 1967)
Diphascon rudnickii Kaczmarek, Parnikoza, Gawlak, Esefeld, Peter, Kozeretska & Roszkowska, 2017
Diphascon sanae Dastych, Ryan & Watkins, 1990
Diphascon serratum Pilato, Binda, Bertolani & Lisi, 2005
Diphascon speciosum (Mihelčič, 1971)
Diphascon stappersi Richters, 1911
Diphascon tenue Thulin, 1928
Diphascon victoriae Pilato & Binda, 1999
Diphascon zaniewi Kaczmarek & Michalczyk, 2004

Subfamily: Hypsibiinae Pilato, 1969
 <Amended by Bertolani *et al.* 2014>

Borealibius Pilato, Guidetti, Rebecchi, Lisi, Hansen & Bertolani, 2006

Borealibius zetlandicus (Murray, 1907)

Hypsibius Ehrenberg, 1848

<Amended by Gąsiorek *et al.* 2018a>

Hypsibius allisoni Horning, Schuster & Grigarick, 1978

Hypsibius antonovae (Biserov, 1990)

Hypsibius biscuitiformis Bartoš, 1960

Hypsibius calcaratus Bartoš, 1935

Hypsibius camelopardalis Ramazzotti & Maucci, 1983

Hypsibius choucoutiensis Rahm, 1937

Hypsibius convergens (Urbanowicz, 1925)

Hypsibius conwentzii Kaczmarek, Parnikoza, Gawlak, Esefeld, Peter, Kozeretska & Roszkowska, 2017

Hypsibius dujardini (Doyère, 1840) [*Macrobiotus palustris* Dujardin, 1851; *Macrobiotus lacustris* Dujardin, 1851; *Macrobiotus tetradactylus* Lance, 1896; *Macrobiotus samoanus* Richters, 1908; *Macrobiotus breckneri* Richters, 1910; *Macrobiotus ursellus* Della Valle, 1915; *Hypsibius murrayi* Marcus, 1929] <Amended by Gąsiorek *et al.* 2018a>

Hypsibius exemplaris Gąsiorek, Stec, Morek & Michalczyk, 2018

Hypsibius fuhrmanni (Heinis, 1914) {subjectively invalid according to Gąsiorek *et al.* 2018a}

Hypsibius giusepperamazotti Sudzuki, 1975

Hypsibius hypostomus Bartoš, 1935

Hypsibius iskandarovi Tumanov, 1997

Hypsibius janetscheki Ramazzotti, 1968

Hypsibius klebelsbergi Mihelčič, 1959

Hypsibius kunmingensis Yang, 2002

Hypsibius macrocalcaratus Beasley, 1988

Hypsibius maculatus Iharos, 1969

Hypsibius marcelli Pilato, 1990

Hypsibius microps Thulin, 1928 <Amended by Kaczmarek & Michalczyk 2009>

Hypsibius montanus Iharos, 1940 [*Hypsibius iharosi* Bartoš, 1941]

Hypsibius morikawai Ito, 1995

Hypsibius multituberculatus Pilato, Binda & Lisi, 2003

Hypsibius murrayi (Richters, 1907) <Redescribed by Dastych 2018> [*Hypsibius heardensis* Miller, McInnes & Bergstrom, 2005 according to Dastych 2018]

Hypsibius novaezeelandiae Pilato & Binda, 1997

Hypsibius pachyunguis Maucci, 1996

Hypsibius pallidus Thulin, 1911 <Amended by Kaczmarek & Michalczyk 2009>

Hypsibius pallidoides Pilato, Kiosya, Lisi, Inshina & Biserov, 2011

Hypsibius pedrottii Bertolani, Manicardi & Gibertoni, 1987

Hypsibius pradellii Bertolani & Rebecchi, 1996

Hypsibius ragonesei Binda & Pilato, 1985

Hypsibius roanensis Nelson & McGlothlin, 1993

Hypsibius runae Bartoš, 1941

Hypsibius scaber Maucci, 1987

Hypsibius scabropygus Cuénot, 1929

Hypsibius septulatus Pilato, Binda, Napolitano & Moncada, 2004

Hypsibius seychellensis Pilato, Binda & Lisi, 2006

Hypsibius shaanxiensis H. Li & X. Li, 2008
Hypsibius stiliferus Abe, 2004
Hypsibius thaleri Dastych, 2004
Hypsibius valentinae Pilato, Kiosya, Lisi & Sabella, 2012
Hypsibius vaskelae Tumanov, 2018

Subfamily: Itaquasconinae **Bartoš** in Rudescu, 1964
<Amended by Bertolani *et al.* 2014>

Adropion Pilato, 1987

<Subgenus *Adropion* of the genus *Diphascon* raised to genus level and transferred from
Diphasconinae by Bertolani *et al.* 2014>

Adropion afroglacialis Zawierucha, Gąsiorek & Buda, 2018 in Zawierucha *et al.* 2018a
Adropion arduifrons (Thulin, 1928)
Adropion behanae (Dastych, 1987)
Adropion belgicae (Richters, 1911) [*Fujiscon diphasconiellum* Ito, 1991] <Amended by Bernard
1977>
Adropion carolae (Binda & Pilato, 1969)
Adropion clavatum (Bartoš, 1935)
Adropion gani (Sun, X. Li & Feng, 2014)
Adropion gordonense (Pilato, Claxton & Horning, 1991)
Adropion greveni (Dastych, 1984)
Adropion linzhiensis (X. Li, 2007)
Adropion marcusii (Rudescu, 1964) *species dubia* <Transferred from *Mesocrista* by Gąsiorek *et al.* 2016> {for taxonomic status of the species see Gąsiorek *et al.* 2016}
Adropion mauccii (Dastych & McInnes, 1996)
Adropion modestum (Binda, Pilato & Dastych, 1984)
Adropion montigenum (Pilato & Dastych, 1974)
Adropion onorei (Pilato, Binda, Napolitano & Moncada, 2002)
Adropion prorsirostre (Thulin, 1928)
Adropion scoticum scoticum (Murray, 1905) [*Diphascon crozetense* Richters, 1907]
Adropion scoticum ommatophorum (Thulin, 1911)
Adropion scoticum qinlingensis (X. Li & Liu, 2005)
Adropion tricuspdatum (Binda & Pilato, 2000)
Adropion triodon (Maucci, 1996)
Adropion vexatum Pilato, Sabella, D'Urso & Lisi, 2017

Astatumen Pilato, 1997

Astatumen bartosi (Węglarska, 1959)
Astatumen tamaensis (Sudzuki, 1975)
Astatumen tamurai (Ito, 1990)
Astatumen trinacriae (Arcidiacono, 1962) [*Itaquascon ramazzottii* Iharos, 1966]

Bindius Pilato, 2009

<Transferred from Diphasconinae by Bertolani *et al.* 2014>

Bindius triquetrus Pilato, 2009

Itaquascon de Barros, 1939

- Itaquascon biserovi* Pilato, Binda & Moncada, 1999
Itaquascon cambewarrense Pilato, Binda & Claxton, 2002
Itaquascon enckelli (Mihelčič, 1971/72)
Itaquascon globuliferum Abe & Ito, 1994
Itaquascon mongolicus Kaczmarek, Michalczyk & Węglarska, 2002
Itaquascon pawlowskii Węglarska, 1973
Itaquascon pilatoi Lisi, Londoño & Quiroga, 2014
Itaquascon pisoniae Pilato & Lisi, 2009
Itaquascon placophorum Maucci, 1973
Itaquascon simplex (Mihelčič, 1971)
Itaquascon umbellinae de Barros, 1939
Itaquascon unguiculatum Pilato, Binda & Claxton, 2002

Meplitumen Lisi, Daza, Londoño, Quiroga & Pilato, 2019

- Meplitumen aluna* Lisi, Daza, Londoño, Quiroga & Pilato, 2019

Mesocrista Pilato, 1987

- Mesocrista revelata* Gąsiorek, Stec, Morek, Zawierucha, Kaczmarek, Lachowska-Cierlik & Michalczyk, 2016
Mesocrista spitzbergensis (Richters, 1903) <Amended by Gąsiorek *et al.* 2016>

Parascon Pilato & Binda, 1987

- Parascon nichollsae* Pilato & Lisi, 2004
Parascon schusteri Pilato & Binda, 1987

Platicrista Pilato, 1987

- Platicrista affine* (Mihelčič, 1951)
Platicrista angustata (Murray, 1905)
Platicrista cheleusis Kathman, 1990 [*Diphascon craigi* Beasley, 1990]
Platicrista horribilis Kaczmarek & Michalczyk, 2003
Platicrista itaquasconoide (Durante Pasa & Maucci, 1975)
Platicrista ramsayi Marley, 2006

Sarascon Guil, Rodrigo & Machordom, 2014

- Sarascon hortensiae* Guil, Rodrigo & Machordom, 2014

Subfamily: *Pilatobiinae* Bertolani, Guidetti, Marchioro, Altiero, Rebecchi & Cesari, 2014

Pilatobius Bertolani, Guidetti, Marchioro, Altiero, Rebecchi & Cesari, 2014

- Pilatobius aculeatus* (Maucci, 1951-1952) <Transferred from *Diphascon* by Bertolani *et al.* 2014>
Pilatobius bisbullatus (Iharos, 1964) <Transferred from *Diphascon* by Bertolani *et al.* 2014>
Pilatobius borealis (Biserov, 1996) <Transferred from *Diphascon* by Bertolani *et al.* 2014>
Pilatobius brevipes (Marcus, 1936) <Transferred from *Diphascon* by Bertolani *et al.* 2014>
Pilatobius bullatus (Murray, 1905) <Transferred from *Diphascon* by Bertolani *et al.* 2014>
Pilatobius burti (Nelson, 1991) <Transferred from *Diphascon* by Bertolani *et al.* 2014>

Pilatobius elongatus (Mihelčič, 1959) <Transferred from *Diphascon* by Bertolani *et al.* 2014>
Pilatobius gerdae (Mihelčič, 1951) <Transferred from *Diphascon* by Bertolani *et al.* 2014>
Pilatobius granifer (Greven, 1972) <Transferred from *Diphascon* by Bertolani *et al.* 2014>
Pilatobius iltisi (Schuster & Grigarick, 1965) <Transferred from *Diphascon* by Bertolani *et al.* 2014>
Pilatobius islandicus Buda & Zawierucha in Buda *et al.* 2018
Pilatobius latipes (Mihelčič, 1955) <Transferred from *Diphascon* by Bertolani *et al.* 2014>
Pilatobius nodulosus (Ramazzotti, 1957) <Transferred from *Diphascon* by Bertolani *et al.* 2014>
Pilatobius nonbullatus (Mihelčič, 1951) <Transferred from *Diphascon* by Bertolani *et al.* 2014>
Pilatobius oculatus oculatus (Murray, 1906) <Transferred from *Diphascon* by Bertolani *et al.* 2014>
Pilatobius oculatus alpinus (Mihelčič, 1964) <Transferred from *Diphascon* by Bertolani *et al.* 2014>
Pilatobius oculatus canadensis (Murray, 1910) [*Hypsibius vancouverensis* Thulin, 1911] <Transferred from *Diphascon* by Bertolani *et al.* 2014>
Pilatobius opisthoglyptus (Maucci, 1987) <Transferred from *Diphascon* by Tumanov 2018>
Pilatobius patanei (Binda & Pilato, 1971) <Transferred from *Diphascon* by Bertolani *et al.* 2014>
Pilatobius procerus (Pilato, Sabella & Lisi, 2014) <Transferred from *Diphascon* by Tumanov 2018>
Pilatobius ramazzottii (Robotti, 1970) <Transferred from *Diphascon* by Bertolani *et al.* 2014>
Pilatobius recamieri (Richters, 1911) <Transferred from *Diphascon* by Bertolani *et al.* 2014> <Amended by Gašiorek *et al.* 2017a>
Pilatobius rugocaudatus (Rodriguez Roda, 1952) <Transferred from *Diphascon* by Bertolani *et al.* 2014>
Pilatobius rugosus (Bartoš, 1935) <Transferred from *Diphascon* by Bertolani *et al.* 2014>
Pilatobius secchii (Bertolani & Rebecchi, 1996) <Transferred from *Diphascon* by Bertolani *et al.* 2014> {*nomen inquirendum* according to Gašiorek *et al.* 2017a}
Pilatobius sexbullatus (Ito, 1995) <Transferred from *Diphascon* by Bertolani *et al.* 2014>
Pilatobius trachydorsatus (Bartoš, 1937) <Transferred from *Diphascon* by Bertolani *et al.* 2014>
Pilatobius ziliense (Lisi, Sabella & Pilato, 2014) <Transferred from *Diphascon* by Tumanov 2018>

Incerta subfamilia {according to Bertolani *et al.* 2014}

Acutuncus Pilato & Binda, 1997

<Transferred from *Hypsibiinae* by Bertolani *et al.* 2014>

Acutuncus antarcticus (Richters, 1904) [*Hypsibius simoizumii* Sudzuki, 1964]

Mixibius Pilato, 1992

{to be confirmed in the family *Isohypsibiidae*, see Marley *et al.* 2011}

<Transferred from *Isohypsibiidae* by Bertolani *et al.* 2014>

Mixibius felix Pilato, Sabella, D'Urso & Lisi, 2017

Mixibius fueginus Pilato & Binda, 1996

Mixibius ninguidus Biserov, 1999

Mixibius ornatus Pilato, Binda, Napolitano & Moncada, 2002

Mixibius parvus Lisi, Sabella & Pilato, 2014

Mixibius pilatoi L. Wang, 2009
Mixibius saracenus (Pilato, 1973)
Mixibius schnurrae Pilato, Lisi & Binda, 2010
Mixibius sutirae Pilato, Binda & Lisi 2004
Mixibius tibetanus H. Li & X. Li, 2008

Family: Microhypsibiidae Pilato, 1998
<Amended by Gąsiorek *et al.* 2019a>

Microhypsibius Thulin, 1928

Microhypsibius bertolanii Kristensen, 1982
Microhypsibius japonicus Ito, 1991
Microhypsibius minimus Kristensen, 1982
Microhypsibius truncatus Thulin, 1928

Family: Ramazzottiidae Sands, McInnes, Marley, Goodall-Copestake, Convey & Linse, 2008
{Sands *et al.* (2008) reported as taxon name Ramazzottidae but the correct name is
Ramazzottiidae in compliance with the International Code of Zoological Nomenclature}

Cryoconicus Zawierucha, Stec, Lachowska-Cierlik, Takeuchi, Z. Li & Michalczyk, 2018
Cryoconicus cataphractus (Maucci, 1974) <Transferred from *Ramazzottius* by Zawierucha *et al.*
2018b>
Cryoconicus kaczmareki Zawierucha, Stec, Lachowska-Cierlik, Takeuchi, Z. Li & Michalczyk,
2018

Hebesuncus Pilato, 1987

Hebesuncus conjugens (Thulin, 1911)
Hebesuncus mollispinus Pilato, McInnes & Lisi, 2012
Hebesuncus ryani Dastych & Harris, 1994
Hebesuncus schusteri (Dastych, 1984)

Ramazzottius Binda & Pilato, 1986

Ramazzottius affinis Bertolani, Guidetti & Rebecchi, 1994
Ramazzottius agannae Dastych, 2011
Ramazzottius andreevi Biserov, 1997/98
Ramazzottius anomalus (Ramazzotti, 1962)
Ramazzottius arcticus (Murray, 1907) [*Macrobiotus heinisi* Richters, 1907] <Transferred from
Hypsibius by Gąsiorek *et al.* 2018a>
Ramazzottius baumanni (Ramazzotti, 1962)
Ramazzottius belubellus Bartels, Nelson, Kaczmarek & Michalczyk, 2011
Ramazzottius bunikowskiae Kaczmarek, Michalczyk & Diduszek, 2006
Ramazzottius caucasicus Biserov, 1997/98
Ramazzottius conifer (Mihelčič, 1938) <Transferred from *Hypsibius* by Gąsiorek *et al.* 2018a>
Ramazzottius edmondabouti Séméria, 1993
Ramazzottius horningi Binda & Pilato, 1994
Ramazzottius libycus Pilato, D'Urso & Lisi, 2013
Ramazzottius littoreus Fontoura, Rubal & Veiga, 2017

Ramazzottius ljudmilae Biserov, 1997/98
Ramazzottius montivagus (Dastych, 1983)
Ramazzottius nivalis Dastych, 2006
Ramazzottius novemcinctus (Marcus, 1936)
Ramazzottius oberhaeuseri (Doyère, 1840) <Amended by Stec *et al.* 2018>
Ramazzottius rupeus Biserov, 1999
Ramazzottius saltensis (Claps & Rossi, 1984)
Ramazzottius semisculptus Pilato & Rebecchi, 1992
Ramazzottius subanomalus (Biserov, 1985)
Ramazzottius szeptycki (Dastych, 1980) <Amended by Dastych 2009>
Ramazzottius theroni Dastych, 1993
Ramazzottius thulini (Pilato, 1970)
Ramazzottius tribulosus Bertolani & Rebecchi, 1988
Ramazzottius valaamis Biserov & Tumanov, 1993
Ramazzottius varieornatus Bertolani & Kinchin, 1993

Order: ISOHYPHSIBIOIDEA Guil, Jørgensen & Kristensen, 2019
 <Corresponding to the superfamily Isohypsibioidea Sands, McInnes, Marley, Goodal-Copestake, Convey & Linse, 2008 amended by Bertolani *et al.* 2014 and Gąsiorek *et al.* 2019c and subsequently elevated to higher level by Guil *et al.* 2019>

Family: Doryphoribiidae Gąsiorek, Stec, Morek & Michalczyk, 2019

Apodibius Dastych, 1983

<Transferred from '*incertae sedis*' to Isohypsibiidae by Dabert *et al.* 2013; Transferred from Isohypsibiidae by Gąsiorek *et al.* 2019c>

Apodibius confusus Dastych, 1983
Apodibius nuntius Binda, 1984 [*Apodibius serventyi* Morgan & Nicholls, 1986]
Apodibius richardi Vargha, 1995

Doryphoribius Pilato, 1969

<Transferred from Isohypsibiidae by Gąsiorek *et al.* 2019c>

Doryphoribius amazonicus Lisi, 2011
Doryphoribius barbarae Beasley & Miller, 2012
Doryphoribius bertolanii Beasley & Pilato, 1987
Doryphoribius bindae Lisi, 2011
Doryphoribius chetumalensis Pérez-Pech, Anguas-Escalante, Cutz-Pool & Guidetti, 2017
Doryphoribius dawkinsi Michalczyk & Kaczmarek, 2010
Doryphoribius doryphorus (Binda & Pilato, 1969)
Doryphoribius dupliglobulatus Ito, 1995
Doryphoribius elleneddiei Haefke, Spiers, Miller & Lowman, 2014
Doryphoribius evelinae (Marcus, 1928)
Doryphoribius flavus (Iharos, 1966) [*Doryphoribius citrinus* (Maucci, 1973)] <Amended by Lisi 2011>
Doryphoribius gibber Beasley & Pilato, 1987 {Based on type material analysis, additional character to the original description was added by Pilato & Lisi 2006}
Doryphoribius huangguoshuensis H. Wang, L. Wang & X. Li, 2007

Doryphoribius koreanus Moon, Kim & Bertolani, 1994
Doryphoribius korganovae Biserov, 1994
Doryphoribius longistipes Bartels, Nelson, Kaczmarek & Michalczyk, 2008
Doryphoribius macrodon Binda, Pilato & Dastych, 1980
Doryphoribius maasaimarensis Fontoura, Lisi & Pilato, 2013
Doryphoribius maranguensis Binda & Pilato, 1995
Doryphoribius mariae Pilato & Binda, 1990
Doryphoribius mcinnesae Meng, Sun & X. Li, 2014
Doryphoribius mexicanus Beasley, Kaczmarek & Michalczyk, 2008
Doryphoribius minimus Bartels, Nelson, Kaczmarek & Michalczyk, 2008
Doryphoribius monstruosus (Maucci, 1991) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019c>
Doryphoribius neglectus Pilato & Lisi, 2004
Doryphoribius niedbalai Zawierucha, Michalczyk & Kaczmarek, 2012
Doryphoribius picoensis Fontoura, Pilato & Lisi, 2008
Doryphoribius pilatoi Bertolani, 1984
Doryphoribius polynettae Biserov, 1988
Doryphoribius qinlingense X. Li, Su & Yu, 2004
Doryphoribius quadrituberculatus Kaczmarek & Michalczyk, 2004
Doryphoribius rosanae Daza, Caicedo, Lisi & Quiroga, 2017
Doryphoribius smokiensis Bartels, Nelson, Kaczmarek & Michalczyk, 2007
Doryphoribius solidunguis Lisi, 2011
Doryphoribius taiwanus X. Li & H. Li, 2008
Doryphoribius tergumrudis Bartels, Nelson, Kaczmarek & Michalczyk, 2008
Doryphoribius tessellatus Meyer, 2011
Doryphoribius turkmenicus Biserov, 1999
Doryphoribius vietnamensis (Iharos, 1969)
Doryphoribius zappalai Pilato, 1971
Doryphoribius zyxiglobus (Horning, Schuster & Grigarick, 1978) <Amended by Claxton *et al.* 2010>

Grevenius Gąsiorek, Stec, Morek & Michalczyk, 2019

Grevenius annulatus annulatus (Murray, 1905) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019c>
Grevenius annulatus minor (Ramazzotti, 1945) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019c>
Grevenius asper (Murray, 1906) [*Isohypsibius tetradactyloides* (Richters, 1907)] {Dastych 2016 amended *I. tetradactyloides* and synonymized it with *I. asper*} <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019c>
Grevenius baicalensis (Ramazzotti, 1966) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019c>
Grevenius baldii (Ramazzotti, 1945) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019c>
Grevenius baldioides (Tumanov, 2003) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019c>
Grevenius brevitubulatus (Rho, Chang & Kim, 1997) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019c>
Grevenius deconincki (Pilato, 1971) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019c>

Grevenius deflexus (Mihelčič, 1960) <Transferred from *Isohypsibius* by Gąsiorek et al. 2019c>
Grevenius fuscus (Mihelčič, 1971/72) <Transferred from *Isohypsibius* by Gąsiorek et al. 2019c>
 <nomen inquirendum according to Gąsiorek et al. 2019c>
Grevenius granditintinus (Chang & Rho, 1996) <Transferred from *Isohypsibius* by Gąsiorek et al. 2019c>
Grevenius granulifer ~~*granulifer*~~ (Thulin, 1928) <Transferred from *Isohypsibius* by Gąsiorek et al. 2019c>
Grevenius hydrogogianus (Ito & Tagami, 1993) <Transferred from *Isohypsibius* by Gąsiorek et al. 2019c>
Grevenius irregibilis (Biserov, 1992) <Transferred from *Isohypsibius* by Gąsiorek et al. 2019c>
Grevenius karenae (Zawierucha, 2013) <Transferred from *Isohypsibius* by Gąsiorek et al. 2019c>
Grevenius kenodontis (Kendall-Fite & Nelson, 1996) <Transferred from *Isohypsibius* by Gąsiorek et al. 2019c>
Grevenius koreanensis (Iharos, 1971) <*Isohypsibius granulifer koreanensis* (Iharos, 1971) elevated to a species rank and transferred by Gąsiorek et al. 2019c> <nomen inquirendum according to Gąsiorek et al. 2019c>
Grevenius kotovae (Tumanov, 2003) <Transferred from *Isohypsibius* by Gąsiorek et al. 2019c>
Grevenius kristenseni (Pilato, Catanzaro & Binda, 1989) <Transferred from *Isohypsibius* by Gąsiorek et al. 2019c>
Grevenius ladogensis (Tumanov, 2003) <Transferred from *Isohypsibius* by Gąsiorek et al. 2019c>
Grevenius laevis (McInnes, 1995) <Transferred from *Isohypsibius* by Gąsiorek et al. 2019c>
Grevenius lineatus (Mihelčič, 1969) <Transferred from *Isohypsibius* by Gąsiorek et al. 2019c>
 <nomen inquirendum according to Gąsiorek et al. 2019c>
Grevenius longiunguis (Pilato, 1974) <Transferred from *Isohypsibius* by Gąsiorek et al. 2019c>
Grevenius malawiensis (Jørgensen, 2001) <Transferred from *Isohypsibius* by Gąsiorek et al. 2019c>
Grevenius marii (Bertolani, 1982) <Transferred from *Isohypsibius* by Gąsiorek et al. 2019c>
Grevenius monoicus (Bertolani, 1982) <Transferred from *Isohypsibius* by Gąsiorek et al. 2019c>
Grevenius myrops (du Bois-Reymond Marcus, 1944) <Transferred from *Isohypsibius* by Gąsiorek et al. 2019c>
Grevenius nipponicus (Sudzuki, 1975) <Transferred from *Isohypsibius* by Gąsiorek et al. 2019c>
 <nomen inquirendum according to Gąsiorek et al. 2019c>
Grevenius pulcher (Mihelčič, 1971/72) <Transferred from *Isohypsibius* by Gąsiorek et al. 2019c>
 <nomen inquirendum according to Gąsiorek et al. 2019c>
Grevenius pushkini (Tumanov, 2003) <Transferred from *Isohypsibius* by Gąsiorek et al. 2019c>
Grevenius rugosus (Guidi & Grabowski, 1996) <Transferred from *Isohypsibius* by Gąsiorek et al. 2019c> <nomen inquirendum according to Gąsiorek et al. 2019c>
Grevenius rusticus (Pilato, Sabella & Lisi, 2015) <Transferred from *Isohypsibius* by Gąsiorek et al. 2019c>
Grevenius sismicus (Maucci, 1978) <Transferred from *Isohypsibius* by Gąsiorek et al. 2019c>
Grevenius tuberciculatus (Pilato & Catanzaro, 1989) <Transferred from *Isohypsibius* by Gąsiorek et al. 2019c>
Grevenius verae (Pilato & Catanzaro, 1989) <Transferred from *Isohypsibius* by Gąsiorek et al. 2019c>
Grevenius zappalai (Pilato, Sabella & Lisi, 2015) <Transferred from *Isohypsibius* by Gąsiorek et al. 2019c>

Paradiphascon Dastych, 1992

<Transferred from Diphasconinae to Isohypsibiidae by Bertolani *et al.* 2014> <Transferred from Isohypsibiidae by Gąsiorek *et al.* 2019c>

Paradiphascon manningi Dastych, 1992

Pseudobiotus Nelson, 1980

<Transferred from Isohypsibiidae by Gąsiorek *et al.* 2019c>

Pseudobiotus hirsutellus Pilato, Lisi & Binda, 2010

Pseudobiotus kathmanae Nelson, Marley & Bertolani, 1999

Pseudobiotus longiunguis (Iharos, 1968) <*species dubia* according to Gąsiorek *et al.* 2019c>

Pseudobiotus matici (Pilato, 1971)

Pseudobiotus megalonyx (Thulin, 1928)

Pseudobiotus spinifer Chang, Kaczmarek, Lee & Michalczyk, 2007

Pseudobiotus vladimiri Biserov, Dudichev & Biserova, 2001 <Amended by Chang *et al.* 2007>

Thulinus Bertolani, 2003

[*Thulinia* Bertolani, 1982]

<Transferred from Isohypsibiidae by Gąsiorek *et al.* 2019c>

Thulinus augusti (Murray, 1907) [*Macrobiotus lacustris* Wenck, 1914]

Thulinus itoi (Tsurusaki, 1980)

Thulinus romanoi Bertolani, Bartels, Guidetti, Cesari & Nelson, 2014

Thulinus ruffoi (Bertolani, 1982)

Thulinus saltursus (Schuster, Toftner & Grigarick, 1978) <Amended and transferred from *Isohypsibius* by Kaczmarek *et al.* 2010>

Thulinus stephaniae (Pilato, 1974)

Family: Halobiotidae Gąsiorek, Stec, Morek & Michalczyk, 2019

Halobiotus Kristensen, 1982

<Transferred from Isohypsibiidae by Gąsiorek *et al.* 2019c>

Halobiotus appelloefi (Richters, 1908) <Transferred from *Macrobiotus* by Gąsiorek *et al.* 2019c>

<*nomen inquirendum* according to Gąsiorek *et al.* 2019c>

Halobiotus arcturulus Crisp & Kristensen, 1983

Halobiotus crispae Kristensen, 1982

Halobiotus geddesi (Hallas, 1971) <Transferred from *Hypsibius* by Gąsiorek *et al.* 2019c>

<*nomen inquirendum* according to Gąsiorek *et al.* 2019c>

Halobiotus stenostomus (Richters, 1908)

Family: Hexapodibiidae Cesari, Vecchi, Palmer, Bertolani, Pilato, Rebecchi & Guidetti, 2016

<Amended by Gąsiorek *et al.* 2019c>

Haplohexapodibius Pilato & Beasley, 1987

<Transferred from Calohypsibiidae to Isohypsibiidae by Bertolani *et al.* 2014> <Transferred from Isohypsibiidae by Cesari *et al.* 2016>

Haplohexapodibius seductor Pilato & Beasley, 1987 [*Hexapodibius beasleyi* Maucci, 1988]

Haplomacrobotus May, 1948

<Transferred from Calohypsibiidae to Isohypsibiidae by Bertolani *et al.* 2014> <Transferred from Isohypsibiidae by Cesari *et al.* 2016>

Haplomacrobotus hermosillensis May, 1948

Haplomacrobotus utahensis Pilato & Beasley, 2005

Hexapodibius Pilato, 1969

<Transferred from Calohypsibiidae to Isohypsibiidae by Bertolani *et al.* 2014> <Transferred from Isohypsibiidae by Cesari *et al.* 2016>

Hexapodibius bindae Pilato, 1982

Hexapodibius boothi Dastych & McInnes, 1994

Hexapodibius christenberryae Pilato & Binda, 2003

Hexapodibius micronyx Pilato, 1969

Hexapodibius pseudomicronyx Robotti, 1972

Hexapodibius reginae Vargha, 1995

Parhexapodibius Pilato, 1969

<Transferred from Calohypsibiidae to Isohypsibiidae by Bertolani *et al.* 2014> <Transferred from Isohypsibiidae by Cesari *et al.* 2016>

Parhexapodibius bactrianus Biserov, 1999

Parhexapodibius castrii (Ramazzotti, 1964)

Parhexapodibius lagrecai (Binda & Pilato, 1969)

Parhexapodibius pilatoi (Bernard, 1977)

Parhexapodibius ramazzottii Manicardi & Bertolani, 1987

Family: Isohypsibiidae Sands, McInnes, Marley, Goodall-Copestake, Convey & Linse, 2008
<Amended by Gąsiorek *et al.* 2019c>

Dastychius Pilato, 2013

Dastychius improvisus (Dastych, 1984) <Transferred from *Isohypsibius* by Pilato 2013>

Dianeae Gąsiorek, Stec, Morek & Michalczyk, 2019

Dianeae acuminata Gąsiorek, Stec, Morek & Michalczyk, 2019 [Renamed *Isohypsibius papillifer indicus* (Iharos, 1969) in Gąsiorek *et al.* 2019c]

Dianeae basalovoi (Durante & Maucci, 1973) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019c>

Dianeae belliforma (Mihelčič, 1971) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019c>
<species dubia according to Gąsiorek *et al.* 2019c>

Dianeae bella (Mihelčič, 1971) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019c>
<species dubia according to Gąsiorek *et al.* 2019c>

Dianeae brevispinosa (Iharos, 1966) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019c>
<species dubia according to Gąsiorek *et al.* 2019c>

Dianeae costata (Mihelčič, 1971) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019c>
<species dubia according to Gąsiorek *et al.* 2019c>

Dianeae effusa (Mihelčič, 1971) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019c>
<species dubia according to Gąsiorek *et al.* 2019c>

Dianeae franzi (Mihelčič, 1951) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019c>

<species dubia according to Gąsiorek *et al.* 2019c>
Dianeae helenae (Iharos, 1964) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019c> <nomen inquirendum according to Gąsiorek *et al.* 2019c>
Dianeae indica (Murray, 1907) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019c> <nomen inquirendum according to Gąsiorek *et al.* 2019c>
Dianeae mammillosa (Iharos, 1964) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019c> <species dubia according to Gąsiorek *et al.* 2019c>
Dianeae papillifera papillifer (Murray, 1905) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019c; *Isohypsibius papillifer bulbosus* (Marcus, 1928) suppressed by Gąsiorek *et al.* 2019c>
Dianeae rahmi (X. Li & L. Wang, 2006) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019c>
Dianeae sattleri (Richters, 1902) [*Hypsibius bakonyiensis* Iharos, 1964] {the correct reference of Dastych 1990 cited in the previous check lists is: Dastych, H. (1991) *Isohypsibius sattleri* (Richters 1902), a valid species (Tardigrada). *Senckenbergiana biologica*, 71, 181–189.} <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019c>
Dianeae tuberculoides (Mihelčič, 1951) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019c> <species dubia according to Gąsiorek *et al.* 2019c>
Dianeae vejdoskyi (Bartoš, 1939) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019c> <nomen inquirendum according to Gąsiorek *et al.* 2019c>

Eremobiotus Biserov, 1992

Eremobiotus alicatai (Binda, 1969)
Eremobiotus ginevrae Lisi, Binda & Pilato, 2016
Eremobiotus ovezovae Biserov, 1992

Fractonotus Pilato, 1998

<Amended and transferred from Microhypsibiidae by Gąsiorek *et al.* 2019a>
Fractonotus caelatus (Marcus, 1928)
Fractonotus gilvus (Biserov, 1986) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019a>
Fractonotus verrucosus (Richters, 1900) [*Macrobiotus scabrosus* Murray, 1911 according to Marcus 1928, *Calohypsibius placophorus* (da Cunha, 1943) according to Gąsiorek *et al.* 2019a] <Amended and transferred from *Calohypsibius* by Gąsiorek *et al.* 2019a>

Halobiotus Kristensen, 1982

Halobiotus arcturulus Crisp & Kristensen, 1983
Halobiotus crispae Kristensen, 1982
Halobiotus stenostomus (Richters, 1908) [*Macrobiotus appelloefi* Richters, 1908; *Hypsibius (Isohypsibius) geddesi* Hallas, 1971]

Isohypsibius Thulin, 1928

<Amended by Gąsiorek *et al.* 2019c>

Isohypsibius altai Kaczmarek & Michalczyk, 2006
Isohypsibius arbiter Binda, 1980
Isohypsibius archangajensis Kaczmarek & Michalczyk, 2004
Isohypsibius arcuatus (Bartoš, 1934)
Isohypsibius barbarae Pilato & Binda, 2002

Isohypsibius borkini Tumanov, 2003
Isohypsibius brulloi Pilato & Pennisi, 1976
Isohypsibius cambrensis (Morgan, 1976) [*Isohypsibius prosostomus cambrensis* (Morgan, 1976)
 raised to a species rank by Gąsiorek *et al.* 2019c]
Isohypsibius campbellensis Pilato, 1996
Isohypsibius canadensis (Murray, 1910) <species dubia according to Gąsiorek *et al.* 2019c>
Isohypsibius ceciliae Pilato & Binda, 1987
Isohypsibius changbaiensis Yang, 1999 <species dubia according to Gąsiorek *et al.* 2019c>
Isohypsibius chiarae Maucci, 1987 [*Isohypsibius bertolanii* Manicardi, 1989]
Isohypsibius condorcanquii Kaczmarek, Cytan, Zawierucha, Diduszko & Michalczyk, 2014
Isohypsibius coulsoni Kaczmarek, Zawierucha, Smykla & Michalczyk, 2012
Isohypsibius damxungensis Yang, 2007 <species dubia according to Gąsiorek *et al.* 2019c>
Isohypsibius dastychi Pilato, Bertolani & Binda, 1982
Isohypsibius glazovi Biserov, 1999
Isohypsibius hadzii (Mihelčič, 1938) <species dubia according to Gąsiorek *et al.* 2019c>
Isohypsibius jakieli Dastych, 1984
Isohypsibius jingshanensis Yang, 2003 <species dubia according to Gąsiorek *et al.* 2019c>
Isohypsibius jinhouensis Yang, 2007 <species dubia according to Gąsiorek *et al.* 2019c>
Isohypsibius liae X. Li & L. Wang, 2006 <nomen inquirendum according to Gąsiorek *et al.*
 2019c>
Isohypsibius macrodactylus (Maucci, 1978) [*Isohypsibius zierhofferi* Dastych, 1980]
Isohypsibius marcellinoi Binda & Pilato, 1971
Isohypsibius occultus Pilato, D'Urso, Sabella & Lisi, 2019
Isohypsibius palmae Pilato, 1996
Isohypsibius panovi Tumanov, 2005
Isohypsibius pauper (Mihelčič, 1971) <nomen inquirendum according to Gąsiorek *et al.* 2019c>
Isohypsibius prosostomus Thulin, 1928
Isohypsibius pseudundulatus (da Cunha & do Nascimento Ribeiro, 1964)
Isohypsibius reticulatus Pilato, 1973
Isohypsibius sabellai Pilato, Binda, Napolitano & Moncada, 2004
Isohypsibius schaudinni (Richters, 1909) <nomen inquirendum according to Gąsiorek *et al.*
 2019c>
Isohypsibius sculptus (Ramazzotti, 1962)
Isohypsibius sellnicki (Mihelčič, 1962)
Isohypsibius solidus (Mihelčič, 1971)
Isohypsibius taibaiensis X. Li & L. Wang, 2005
Isohypsibius tuberculatus (Plate, 1888) <nomen inquirendum according to Gąsiorek *et al.* 2019c>
Isohypsibius undulatus Thulin, 1928
Isohypsibius verrucosus (Della Valle, 1915) [*Isohypsibius gibbus* (Marcus, 1928)] <nomen
 inquirendum according to Gąsiorek *et al.* 2019c>
Isohypsibius wilsoni (Horning, Schuster & Grigarick, 1978)
Isohypsibius yunnanensis Yang, 2002 <species dubia according to Gąsiorek *et al.* 2019c>

Ursulinius Gąsiorek, Stec, Morek & Michalczyk, 2019
Ursulinius austriacus (Iharos, 1966) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019c>
Ursulinius bartosi (Iharos, 1966) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019c>
 <species dubia according to Gąsiorek *et al.* 2019c>

Ursulinius bulbifer (Mihelčič, 1957) <Transferred from *Isohypsibius* by Gašiorek *et al.* 2019c>
 <species dubia according to Gašiorek *et al.* 2019c>

Ursulinius cameruni (Iharos, 1969) <Transferred from *Isohypsibius* by Gašiorek *et al.* 2019c>

Ursulinius cyrilli (Mihelčič, 1951) <Transferred from *Isohypsibius* by Gašiorek *et al.* 2019c>

Ursulinius dudichi (Iharos, 1964) <Transferred from *Isohypsibius* by Gašiorek *et al.* 2019c>

Ursulinius durantee (Maucci, 1978) <Transferred from *Isohypsibius* by Gašiorek *et al.* 2019c>

Ursulinius elegans (Binda & Pilato, 1971) <Transferred from *Isohypsibius* by Gašiorek *et al.* 2019c>

Ursulinius eplenyiensis (Iharos, 1970) <Transferred from *Isohypsibius* by Gašiorek *et al.* 2019c>

Ursulinius glaber (Durante Pasa & Maucci, 1979) <Transferred from *Isohypsibius* by Gašiorek *et al.* 2019c>

Ursulinius gracilis (Iharos, 1966) <Transferred from *Isohypsibius* by Gašiorek *et al.* 2019c>
 <nomen inquirendum according to Gašiorek *et al.* 2019c>

Ursulinius gyulai (Mihelčič, 1971) <Transferred from *Isohypsibius* by Gašiorek *et al.* 2019c>
 <species dubia according to Gašiorek *et al.* 2019c>

Ursulinius hypostomoides (Mihelčič, 1971) <Transferred from *Isohypsibius* by Gašiorek *et al.* 2019c>

Ursulinius josephi (Iharos, 1964) <Transferred from *Isohypsibius* by Gašiorek *et al.* 2019c>

Ursulinius latiunguis (Iharos, 1964) <Transferred from *Isohypsibius* by Gašiorek *et al.* 2019c>
 <nomen inquirendum according to Gašiorek *et al.* 2019c>

Ursulinius leithaicus (Iharos, 1966) <Transferred from *Isohypsibius* by Gašiorek *et al.* 2019c>

Ursulinius lunulatus (Iharos, 1966) <Transferred from *Isohypsibius* by Gašiorek *et al.* 2019c>
 <nomen inquirendum according to Gašiorek *et al.* 2019c>

Ursulinius mihelcici (Iharos, 1964) <Transferred from *Isohypsibius* by Gašiorek *et al.* 2019c>
 <nomen inquirendum according to Gašiorek *et al.* 2019c>

Ursulinius montanus Mihelčič, 1938 <Transferred from *Isohypsibius* by Gašiorek *et al.* 2019c>
 <nomen inquirendum according to Gašiorek *et al.* 2019c>

Ursulinius neoundulatus (Durante Pasa & Maucci, 1975) <Transferred from *Isohypsibius* by Gašiorek *et al.* 2019c>

Ursulinius nodosus (Murray, 1907) <Transferred from *Isohypsibius* by Gašiorek *et al.* 2019c>

Ursulinius novaeguineae (Iharos, 1967) <Transferred from *Isohypsibius* by Gašiorek *et al.* 2019c>

Ursulinius pappi (Iharos, 1966) <Transferred from *Isohypsibius* by Gašiorek *et al.* 2019c>

Ursulinius pilato (Durante Pasa & Maucci, 1979) <Transferred from *Isohypsibius* by Gašiorek *et al.* 2019c>

Ursulinius pratensis (Iharos, 1964) <Transferred from *Isohypsibius* by Gašiorek *et al.* 2019c>
 <nomen inquirendum according to Gašiorek *et al.* 2019c>

Ursulinius qinlingensis (X. Li, L. Wang & Yu, 2005) <Transferred from *Isohypsibius* by Gašiorek *et al.* 2019c>

Ursulinius roberti (Biserov, 1996) <Transferred from *Isohypsibius* by Gašiorek *et al.* 2019c>

Ursulinius ronsisvallei (Binda & Pilato, 1969) <Transferred from *Isohypsibius* by Gašiorek *et al.* 2019c>

Ursulinius rudescui (Iharos, 1966) <Transferred from *Isohypsibius* by Gašiorek *et al.* 2019c>

Ursulinius septentrionalis (Thulin, 1928) <Transferred from *Isohypsibius* by Gašiorek *et al.* 2019c>

Ursulinius silvicola (Iharos, 1966) <Transferred from *Isohypsibius* by Gašiorek *et al.* 2019c>
 <nomen inquirendum according to Gašiorek *et al.* 2019c>

Ursulinius theresiae (Iharos, 1964) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019c>
<nomen inquirendum according to Gąsiorek *et al.* 2019c>
Ursulinius torulosus (Mihelčič, 1959) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019c>
Ursulinius truncorum (Iharos, 1964) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019c>
Ursulinius tucumanensis (Claps & Rossi, 1984) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019c>
Ursulinius woodsae (Kathman, 1990) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019c>

Incertae sedis
{according to Gąsiorek *et al.* 2019c}

Ramajendas Pilato & Binda, 1990
{probably belongs to the family Ramazzottiidae according to Bertolani *et al.* 2014}
<Transferred from Ramazzottiidae to Isohypsibiidae by Zawierucha *et al.* 2018b; Transferred from Isohypsibiidae by Gąsiorek *et al.* 2019c>
Ramajendas dastychi Kaczmarek, Janko, Smykla & Michalczyk, 2013
Ramajendas frigidus Pilato & Binda, 1990
Ramajendas heatwolei Miller, Horning & Dastych, 1995
Ramajendas renaudi (Ramazzotti, 1972)

Thalerius Dastych, 2009
{to be confirmed in the family Isohypsibiidae, see Marley *et al.* 2011; probably belongs to the family Ramazzottiidae according to Bertolani *et al.* 2014}
<Transferred from Ramazzottiidae to Isohypsibiidae by Zawierucha *et al.* 2018b; Transferred from Isohypsibiidae by Gąsiorek *et al.* 2019c>
Thalerius konradi Dastych, 2009

Order: MACROBIOTOIDEA Guil, Jørgensen & Kristensen, 2019
<Corresponding to the superfamily Macrobiotoidea Thulin, 1928 in Marley *et al.* 2011 elevated to higher level by Guil *et al.* 2019>

Family: Macrobiotidae Thulin, 1928

Biserovus Guidetti & Pilato, 2003
Biserovus bindae (Christenberry & Higgins, 1979)

Calcarobiotus (~~*Calcarobiotus*~~) Dastych, 1993

Subgenus: *Calcarobiotus* Dastych, 1993

Calcarobiotus (*Calcarobiotus*) *digeronimoi* Pilato, Binda & Lisi, 2004
Calcarobiotus (*Calcarobiotus*) *filmeri* Dastych, 1993
Calcarobiotus (*Calcarobiotus*) *gildae* (Maucci & Durante Pasa, 1980)
Calcarobiotus (*Calcarobiotus*) *hainanensis* X. Li, D. Wang & L. Wang, 2008
Calcarobiotus (*Calcarobiotus*) *imperialis* Abe & Takeda, 2000
Calcarobiotus (*Calcarobiotus*) *longinoi* Kaczmarek, Michalczyk & Guidetti, 2006
Calcarobiotus (*Calcarobiotus*) *occultus* Dastych, 1993
Calcarobiotus (*Calcarobiotus*) *parvicalcar* Pilato & Lisi, 2009

Subgenus: *Calcarobiotus* (*Discrepunguis*) Guidetti & Bertolani, 2001
Calcarobiotus (*Discrepunguis*) *polygonatus* (Binda & Guglielmino, 1991) [*Macrobilotus eugranulatus* Maucci, 1993]
Calcarobiotus (*Discrepunguis*) *tetrannulatus* Pilato, Binda & Lisi, 2004

Famelobiotus Pilato, Binda & Lisi, 2004
Famelobiotus scalicii Pilato, Binda & Lisi, 2004

Insuetifurca Guidetti & Pilato, 2003
Insuetifurca arrowsmithi (Kathman & Nelson, 1989)
Insuetifurca austronipponica Abe, 2005
Insuetifurca fujiense (Ito, 1997)
Insuetifurca xiae (X. Li, Su & Yu, 2004) <Amended and transferred from *Biserovus* by Li 2009>

Macrobilotus C.A.S. Schultze, 1834
Macrobilotus acadianus (Meyer & Domingue, 2011) {Transferred from *Minibiotus* by Stec *et al.* 2015}
Macrobilotus almadai Fontoura, Pilato & Lisi, 2008
Macrobilotus alvaroi Pilato & Kaczmarek, 2007
Macrobilotus anderssoni Richters, 1907
Macrobilotus andinus Maucci, 1988
Macrobilotus anemone Meyer, Domingue & Hinton, 2014
Macrobilotus annae Richters, 1908
Macrobilotus ariekammensis Węglarska, 1965 [*Macrobilotus adelges* Dastych, 1977]
Macrobilotus artipharyngis Iharos, 1940
Macrobilotus ascensionis Richters, 1908
Macrobilotus biserovi Bertolani, Guidi & Rebecchi, 1996
Macrobilotus brevipes Mihelčič, 1971/72
Macrobilotus caelicola Kathman, 1990
Macrobilotus canarius Stec, Krzywański & Michalczyk, 2018
Macrobilotus carsicus Maucci, 1954
Macrobilotus caymanensis Meyer, 2011
Macrobilotus crenulatus Richters, 1904 [*Macrobilotus dentatus* Binda, 1974]
Macrobilotus dariae Pilato & Bertolani, 2004
Macrobilotus deceptor Meyer, Hinton, Gladney & Klumpp, 2017
Macrobilotus denticulus Dastych, 2002
Macrobilotus diversus Biserov, 1990
Macrobilotus drakensbergi Dastych, 1993
Macrobilotus dulciorus Roszkowska, Gawlak, Draga & Kaczmarek, 2019
Macrobilotus echinogenitus Richters, 1904⁴³
Macrobilotus evelinae de Barros, 1938
Macrobilotus furcatus Ehrenberg, 1859 [*nec Macrobilotus furcatus* Murray, 1906] {Re-transferred from *Minibiotus* by Bertolani *et al.* 2014}
Macrobilotus gemmatus Bartoš, 1963
Macrobilotus glebkai Biserov, 1990
Macrobilotus grandis Richters, 1911

Macrobiotus halophilus Fontoura, Rubal & Veiga, 2017
*Macrobiotus hanna*e Nowak & Stec, 2018
Macrobiotus hibiscus de Barros, 1942
Macrobiotus horningi Kaczmarek & Michalczyk, 2017
Macrobiotus hufelandi C.A.S. Schultze, 1834 [*Macrobiotus schultzei* Greeff, 1866 according to Marcus 1928]
Macrobiotus humilis Binda & Pilato, 2001
Macrobiotus hyperboreus Biserov, 1990
Macrobiotus iharosi Pilato, Binda & Catanzaro, 1991
Macrobiotus insignis Bartoš, 1963
Macrobiotus insularis Pilato, 2006
Macrobiotus joannae Pilato & Binda, 1983
Macrobiotus julianae (Meyer, 2012) {Transferred from *Minibiotus* by Stec *et al.* 2015}
Macrobiotus kazmierskii Kaczmarek & Michalczyk, 2009
Macrobiotus kirghizicus Tumanov, 2005
*Macrobiotus koller*i Mihelčič, 1951
Macrobiotus komareki Bartoš, 1939
Macrobiotus kristenseni Guidetti, Peluffo, Rocha, Cesari & Moly de Peluffo, 2013
Macrobiotus kurasi Dastych, 1981
Macrobiotus lazzaroi Maucci, 1986 [*Macrobiotus spallanzanii* Maucci, 1973]
Macrobiotus lissostomus Durante Pasa & Maucci, 1979
Macrobiotus longipes Mihelčič, 1971/72
Macrobiotus macocalix Bertolani & Rebecchi, 1993
Macrobiotus maculatus Iharos, 1973 <Amended and elevated to the species level by Kaczmarek & Michalczyk 2017>
Macrobiotus madegassus Maucci, 1993
Macrobiotus mandalae Pilato, 1974
Macrobiotus marlenae Kaczmarek & Michalczyk, 2004
Macrobiotus martini Bartels, Pilato, Lisi & Nelson, 2009
Macrobiotus modestus Pilato & Lisi, 2009
Macrobiotus naskreckii Bąkowski, Roszkowska, Gawlak & Kaczmarek, 2016
Macrobiotus nebrodensis Pilato, Sabella, D'Urso & Lisi, 2017
Macrobiotus nelsonae Guidetti, 1998
Macrobiotus noemiae Roszkowska & Kaczmarek, 2019
Macrobiotus norvegicus Mihelčič, 1971/72
Macrobiotus occidentalis occidentalis Murray, 1910
Macrobiotus occidentalis striatus Dastych, 1974
Macrobiotus ocotensis Pilato, 2006
Macrobiotus ovidii Bartoš, 1937
Macrobiotus ovovillosus Baumann, 1960
Macrobiotus pallarii Maucci, 1954 [*Macrobiotus aviglianae* Robotti, 1970] {Incorrectly transferred to *Mesobiotus* due to an error during the printing process of Vecchi *et al.* 2016a; corrected in Vecchi *et al.* 2016b}
Macrobiotus papei Stec, Kristensen & Michalczyk, 2018
Macrobiotus papillosus Iharos, 1963
Macrobiotus patagonicus Maucci, 1988
Macrobiotus paulinae Stec, Smolak, Kaczmarek & Michalczyk, 2015

Macrobotus persimilis Binda & Pilato, 1972
Macrobotus personatus Biserov, 1990
Macrobotus pisacensis Kaczmarek, Cytan, Zawierucha, Diduszko & Michalczyk, 2014
Macrobotus polonicus Pilato, Kaczmarek, Michalczyk & Lisi, 2003
Macrobotus polyopus Marcus, 1928
Macrobotus polypiformis Roszkowska, Ostrowska, Stec, Janko & Kaczmarek, 2017
Macrobotus porteri Rahm, 1931
Macrobotus potockii Węglarska, 1968
Macrobotus primitivae de Barros, 1942
Macrobotus psephus du Bois-Reymond Marcus, 1944
Macrobotus pseudofurcatus Pilato, 1972
Macrobotus punctillus Pilato, Binda & Azzaro, 1990
Macrobotus ragonesei Binda, Pilato, Moncada & Napolitano, 2001
Macrobotus ramoli Dastych, 2005
Macrobotus rawsoni Horning, Schuster & Grigarick, 1978 <Amended by Kaczmarek & Michalczyk 2017>
Macrobotus recens Cuénot, 1932
Macrobotus rollei Heinis, 1920
Macrobotus rubens Murray, 1907
Macrobotus sandrae Bertolani & Rebecchi, 1993
Macrobotus santoroi Pilato & D'Urso, 1976
Macrobotus sapiens Binda & Pilato, 1984
Macrobotus scoticus Stec, Morek, Gąsiorek, Blagden & Michalczyk, 2017
Macrobotus semmelweisi Pilato, Binda & Lisi, 2006
Macrobotus serratus Bertolani, Guidi & Rebecchi, 1996
Macrobotus seychellensis Biserov, 1994
Macrobotus shennongensis Yang, 1999
Macrobotus shonaicus Stec, Arakawa & Michalczyk, 2018
Macrobotus sottilei Pilato, Kiosya, Lisi & Sabella, 2012
Macrobotus spectabilis Thulin, 1928
Macrobotus spertii Ramazzotti, 1957
Macrobotus striatus Mihelčič, 1949
Macrobotus terminalis Bertolani & Rebecchi, 1993
Macrobotus terricola Mihelčič, 1951
Macrobotus tetraplacoides Fontoura, 1981
Macrobotus topali Iharos, 1969
Macrobotus trunovae Biserov, Pilato & Lisi, 2011
Macrobotus virgatus Murray, 1910
Macrobotus vladimiri Bertolani, Biserov, Rebecchi & Cesari, 2011
Macrobotus wuyishanensis Zhang & Sun, 2014
Macrobotus yunshanensis Yang, 2002

Mesobiotus Vecchi, Cesari, Bertolani, Jönsson, Rebecchi & Guidetti, 2016a
Mesobiotus altitudinalis (Biserov, 1997/98) <Transferred from *Macrobotus* by Vecchi *et al.* 2016a>
Mesobiotus aradasi (Binda, Pilato & Lisi, 2005) <Transferred from *Macrobotus* by Vecchi *et al.* 2016a>

Mesobiotus arguei (Pilato & Sperlinga, 1975) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>

Mesobiotus armatus (Pilato & Binda, 1996) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a> {*species inquirenda* according to Roszkowska *et al.* 2017}

Mesobiotus australis (Pilato & D'Urso, 1976) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>

Mesobiotus baltatus (McInnes, 1991) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>

Mesobiotus barabanovi (Tumanov, 2005) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>

Mesobiotus barbarae (Kaczmarek, Michalczyk & Degma, 2007) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>

Mesobiotus binieki (Kaczmarek, Goldyn, Prokop & Michalczyk, 2011) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>

Mesobiotus blocki (Dastyh, 1984) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>

Mesobiotus contii (Pilato & Lisi, 2006) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>

Mesobiotus coronatus (de Barros, 1942) <Amended by Pilato *et al.* 2000> <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>

Mesobiotus creber (Pilato & Lisi, 2009) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>

Mesobiotus diffusus (Binda & Pilato, 1987) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>

Mesobiotus diguensis (Pilato & Lisi, 2009) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>

Mesobiotus dimentmani (Pilato, Lisi & Binda, 2010) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>

Mesobiotus divergens (Binda, Pilato & Lisi, 2005) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>

Mesobiotus erminiae (Binda & Pilato, 1999) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>

Mesobiotus ethiopicus Stec & Kristensen, 2017

Mesobiotus furciger (Murray, 1907) [*Macrobiotus ehrenbergi* Heinis, 1921; *Macrobiotus furcatus* Murray, 1906] <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>

Mesobiotus harmsworthi (Murray, 1907) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a> <Redescribed by Kaczmarek *et al.* 2018> [*Mesobiotus harmsworthi obscurus* (Dastyh, 1985) according to Kaczmarek *et al.* 2018]

Mesobiotus helenae Tumanov & Pilato, 2019

Mesobiotus hieronimi (Pilato & Claxton, 1988) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>

Mesobiotus hilariae Vecchi, Cesari, Bertolani, Jönsson, Rebecchi & Guidetti, 2016a

Mesobiotus insanis Mapalo, Stec, Mirano-Bascos & Michalczyk, 2017

Mesobiotus insuetus (Pilato, Sabella & Lisi, 2014) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>

Mesobiotus kovalevi (Tumanov, 2004) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>

Mesobiotus krynauwi (Dastyh & Harris, 1995) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>

Mesobiotus liviae (Ramazzotti, 1962) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>

Mesobiotus lusitanicus (Maucci & Durante Pasa, 1984) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>

Mesobiotus mauccii (Pilato, 1974) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>
Mesobiotus meridionalis (Richters, 1909) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>
Mesobiotus montanus (Murray, 1910) [*Macrobiotus morulatus* Bartoš, 1936] <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>
Mesobiotus mottai (Binda & Pilato, 1994) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>
Mesobiotus neuquensis (Rossi, Claps & Ardohain, 2009) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>
Mesobiotus nikolaevae Tumanov, 2018
Mesobiotus nuragicus (Pilato & Sperlinga, 1975) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>
Mesobiotus occultatus Kaczmarek, Zawierucha, Buda, Stec, Gawlak, Michalczyk & Roszkowska, 2018
Mesobiotus orcadensis (Murray, 1907) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>
Mesobiotus ovostriatus (Pilato & Patanè, 1998) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>
Mesobiotus patiens (Pilato, Binda, Napolitano & Moncada, 2000) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>
Mesobiotus perfidus (Pilato & Lisi, 2009) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>
Mesobiotus peterseni (Maucci, 1991) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>
Mesobiotus philippinicus Mapalo, Stec, Mirano-Bascos & Michalczyk, 2016
Mesobiotus pilatoi (Binda & Rebecchi, 1992) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>
Mesobiotus polaris (Murray, 1910) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>
Mesobiotus pseudoblocki Roszkowska, Stec, Ciobanu & Kaczmarek, 2016
Mesobiotus pseudocoronatus (Pilato, Binda & Lisi, 2006) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>
Mesobiotus pseudoliviae (Pilato & Binda, 1996) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>
Mesobiotus pseudonuragicus (Pilato, Binda & Lisi, 2004) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>
Mesobiotus pseudopatiens Kaczmarek & Roszkowska, 2016
Mesobiotus radiatus (Pilato, Binda & Catanzaro, 1991) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>
Mesobiotus reinhardti (Michalczyk & Kaczmarek, 2003) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>
Mesobiotus rigidus (Pilato & Lisi, 2006) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>
Mesobiotus romani Roszkowska, Stec, Gawlak & Kaczmarek, 2018
Mesobiotus siamensis (Tumanov, 2006) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>
Mesobiotus sicheli (Binda, Pilato & Lisi, 2005) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>
Mesobiotus simulans (Pilato, Binda, Napolitano & Moncada, 2000) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>
Mesobiotus skorackii Kaczmarek, Zawierucha, Buda, Stec, Gawlak, Michalczyk & Roszkowska, 2018

Mesobiotus snaresensis (Horning, Schuster & Grigarick, 1978) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>
Mesobiotus stellaris (du Bois-Reymond Marcus, 1944) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>
Mesobiotus szeptyckii (Kaczmarek & Michalczyk, 2009) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>
Mesobiotus tehuelchensis (Rossi, Claps & Ardohain, 2009) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>
Mesobiotus wuzhishanensis (Yin, L. Wang & X. Li, 2011) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>
Mesobiotus zhejiangensis (Yin, L. Wang & X. Li, 2011) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>

Minibiotus R.O. Schuster, 1980

Minibiotus acontistus (de Barros, 1942)
Minibiotus aculeatus (Murray, 1910) [*Macrobiotus intermedius subjulietae* Horning, Schuster & Grigarick, 1978]
Minibiotus africanus Binda & Pilato, 1995
Minibiotus allani (Murray, 1913)
Minibiotus aquatilis Claxton, 1998
Minibiotus asteris Claxton, 1998
Minibiotus bisoctus (Horning, Schuster & Grigarick, 1978)
Minibiotus claxtonae Rossi, Claps & Ardohain, 2009
Minibiotus constellatus Michalczyk & Kaczmarek, 2003
Minibiotus continuus Pilato & Lisi, 2006
Minibiotus crassidens (Murray, 1907)
Minibiotus decrescens Binda & Pilato, 1995
Minibiotus diphasconides (Iharos, 1969)
Minibiotus diversus Ciobanu, Roszkowska & Kaczmarek, 2015
Minibiotus eichhorni Michalczyk & Kaczmarek, 2004
Minibiotus ethelae Claxton, 1998
Minibiotus fallax Pilato, Claxton & Binda, 1989
Minibiotus floriparus Claxton, 1998
Minibiotus formosus Zawierucha, Dziamięcki, Jakubowska, Michalczyk & Kaczmarek, 2014
Minibiotus granatai (Pardi, 1941)
Minibiotus gumersindoi Guil & Guidetti, 2005
Minibiotus harrylewisi Meyer & Hinton, 2009
Minibiotus hispidus Claxton, 1998
Minibiotus hufelandioides (Murray, 1910)
Minibiotus intermedius (Plate, 1888)
Minibiotus jonesorum Meyer, Lyons, Nelson & Hinton, 2011
Minibiotus julietae (de Barros, 1942)
Minibiotus keppelensis Claxton, 1998
Minibiotus maculartus Pilato & Claxton, 1988
Minibiotus marcusii (de Barros, 1942)
Minibiotus milleri Claxton, 1998
Minibiotus orthofasciatus Fontoura, Pilato, Lisi & Morais, 2009

Minibiotus pentannulatus Londoño, Daza, Lisi & Quiroga, 2017
Minibiotus pilatus Claxton, 1998
Minibiotus poricinctus Claxton, 1998
Minibiotus pseudostellarus Roszkowska, Stec, Ciobanu & Kaczmarek, 2016
Minibiotus pustulatus (Ramazzotti, 1959)
Minibiotus ramazzottii Binda & Pilato, 1992
Minibiotus scopulus Claxton, 1998
Minibiotus sidereus Pilato, Binda & Lisi, 2003
Minibiotus stuckenbergi (Dastych, Ryan & Watkins, 1990) <Transferred from *Macrobiotus* by Dastych & Drummond 1996>
Minibiotus subintermedius (Ramazzotti, 1962)
Minibiotus taiti Claxton, 1998
Minibiotus vinciguerrae Binda & Pilato, 1992
Minibiotus weglarskae Michalczyk, Kaczmarek & Claxton, 2005
Minibiotus weinerorum (Dastych, 1984) <Transferred from *Macrobiotus* by Miller *et al.* 1994>
Minibiotus wuzhishanensis X. Li, D. Wang & L. Wang, 2008
Minibiotus xavieri Fontoura, Pilato, Morais & Lisi, 2009

Minilentus Guidetti & Pilato, 2003
Minilentus dubius (Schuster & Toftner, 1982)

Paramacrobiotus Guidetti, Schill, Bertolani, Dandekar & Wolf, 2009
<Generic diagnosis amended by Kaczmarek *et al.* 2017>

{The genus was split into two subgenera by Kaczmarek *et al.* 2017; The division amended by Marley *et al.* 2018}

Subgenus: *Paramacrobiotus* (~~*Amicrobiotus*~~) Marley, Kaczmarek, Gawlak, Bartels, Nelson, Roszkowska, Stec & Degma, 2018

{The genus was split into two subgenera by Kaczmarek *et al.* 2017; The division amended by Marley *et al.* 2018}

Paramacrobiotus (*Amicrobiotus*) *areolatus* (Murray, 1907) <Transferred from *Macrobiotus* by Guidetti *et al.* 2009>
Paramacrobiotus (*Amicrobiotus*) *centesimus* (Pilato, 2000) <Transferred from *Macrobiotus* by Guidetti *et al.* 2009>
Paramacrobiotus (*Amicrobiotus*) *crenatus* (Maucci, 1991) <Transferred from *Macrobiotus* by Guidetti *et al.* 2009>
Paramacrobiotus (*Amicrobiotus*) *csotiensis* (Iharos, 1966) <Transferred from *Macrobiotus* by Guidetti *et al.* 2009> <Amended by Kaczmarek *et al.* 2017>
Paramacrobiotus (*Amicrobiotus*) *derkai* (Degma, Michalczyk & Kaczmarek, 2008) <Transferred from *Macrobiotus* by Guidetti *et al.* 2009>
Paramacrobiotus (*Amicrobiotus*) *huziori* (Michalczyk & Kaczmarek, 2006) <Transferred from *Macrobiotus* by Guidetti *et al.* 2009>
Paramacrobiotus (*Amicrobiotus*) *intii* Kaczmarek, Cytan, Zawierucha, Diduszko & Michalczyk, 2014
Paramacrobiotus (*Amicrobiotus*) *klymenki* Pilato, Kiosya, Lisi & Sabella, 2012
Paramacrobiotus (*Amicrobiotus*) *lachowskae* Stec, Roszkowska, Kaczmarek & Michalczyk, 2018

Paramacrobiotus (Amicrobiotus) spinosus Kaczmarek, Gawlak, Bartels, Nelson & Roszkowska, 2017

Paramacrobiotus (Amicrobiotus) tonollii (Ramazzotti, 1956) <Transferred from *Macrobiotus* by Guidetti *et al.* 2009>

Paramacrobiotus (Amicrobiotus) walteri (Biserov, 1997/98) <Transferred from *Macrobiotus* by Guidetti *et al.* 2009>

Subgenus: *Paramacrobiotus* (~~*Paramacrobiotus*~~) Guidetti, Schill, Bertolani, Dandekar & Wolf, 2009

<Generic diagnosis amended by Kaczmarek *et al.* 2017>

Paramacrobiotus (Paramacrobiotus) alekseevi (Tumanov, 2005) <Transferred from *Macrobiotus* by Guidetti *et al.* 2009>

Paramacrobiotus (Paramacrobiotus) arduus Guidetti, Cesari, Bertolani, Altiero & Rebecchi, 2019

Paramacrobiotus (Paramacrobiotus) beotiae (Durante Pasa & Maucci, 1979) {*species dubia*; Guidetti *et al.* 2009}

Paramacrobiotus (Paramacrobiotus) celsus Guidetti, Cesari, Bertolani, Altiero & Rebecchi, 2019

Paramacrobiotus (Paramacrobiotus) chieregoi (Maucci & Durante Pasa, 1980) <Transferred from *Macrobiotus* by Guidetti *et al.* 2009>

Paramacrobiotus (Paramacrobiotus) corgatensis (Pilato, Binda & Lisi, 2002) <Transferred from *Macrobiotus* by Guidetti *et al.* 2009>

Paramacrobiotus (Paramacrobiotus) danielae (Pilato, Binda, Napolitano & Moncada, 2001) <Transferred from *Macrobiotus* by Guidetti *et al.* 2009>

Paramacrobiotus (Paramacrobiotus) danielisae (Pilato, Binda & Lisi, 2006) <Transferred from *Macrobiotus* by Degma 2013>

Paramacrobiotus (Paramacrobiotus) depressus Guidetti, Cesari, Bertolani, Altiero & Rebecchi, 2019

Paramacrobiotus (Paramacrobiotus) fairbanksi Schill, Förster, Dandekar & Wolf, 2010 {The species have been diagnosed based on genetic data only and no morphological difference from *Paramacrobiotus richtersi* has been found} <Amended by Guidetti *et al.* 2019>

Paramacrobiotus (Paramacrobiotus) garynahi (Kaczmarek, Michalczyk & Diduszko, 2005) <Transferred from *Macrobiotus* by Guidetti *et al.* 2009>

Paramacrobiotus (Paramacrobiotus) gerlachae (Pilato, Binda & Lisi, 2004) <Transferred from *Macrobiotus* by Guidetti *et al.* 2009>

Paramacrobiotus (Paramacrobiotus) halei (Bartels, Pilato, Lisi & Nelson, 2009) <Transferred from *Macrobiotus* by Bartels & Nelson 2012>

Paramacrobiotus (Paramacrobiotus) hapukuensis (Pilato, Binda & Lisi, 2006) <Transferred from *Macrobiotus* by Degma 2013>

Paramacrobiotus (Paramacrobiotus) kenianus Schill, Förster, Dandekar & Wolf, 2010 {The species have been diagnosed based on genetic data only and no morphological difference from *Paramacrobiotus richtersi* has been found}

Paramacrobiotus (Paramacrobiotus) lorenae (Biserov, 1996) <Transferred from *Macrobiotus* by Guidetti *et al.* 2009>

Paramacrobiotus (Paramacrobiotus) magdalenae (Michalczyk & Kaczmarek, 2006) <Transferred from *Macrobiotus* by Guidetti *et al.* 2009>

Paramacrobilotus (Paramacrobilotus) palaui Schill, Förster, Dandekar & Wolf, 2010 {The species have been diagnosed based on genetic data only and no morphological difference from *Paramacrobilotus richtersi* has been found}

Paramacrobilotus (Paramacrobilotus) peteri (Pilato, Claxton & Binda, 1989) <Transferred from *Macrobilotus* by Guidetti *et al.* 2009>

Paramacrobilotus (Paramacrobilotus) pius Lisi, Binda & Pilato, 2016

Paramacrobilotus (Paramacrobilotus) privitera (Binda, Pilato, Moncada & Napolitano, 2001) <Transferred from *Macrobilotus* by Degma 2013>

Paramacrobilotus (Paramacrobilotus) richtersi (Murray, 1911) [*Macrobilotus schultzei* Cuénot, 1932 according to Marcus 1936] <Transferred from *Macrobilotus* by Guidetti *et al.* 2009> <Amended by Guidetti *et al.* 2019>

Paramacrobilotus (Paramacrobilotus) rioplatensis (Claps & Rossi, 1997) {doubly attributed to the genus; Guidetti *et al.* 2009}

Paramacrobilotus (Paramacrobilotus) sagan Daza, Caicedo, Lisi & Quiroga, 2017

Paramacrobilotus (Paramacrobilotus) savai (Binda & Pilato, 2001) <Transferred from *Macrobilotus* by Guidetti *et al.* 2009>

Paramacrobilotus (Paramacrobilotus) sklodowskae (Michalczyk, Kaczmarek & Węglarska, 2006) <Transferred from *Macrobilotus* by Degma 2013>

Paramacrobilotus (Paramacrobilotus) spatialis Guidetti, Cesari, Bertolani, Altiero & Rebecchi, 2019

Paramacrobilotus (Paramacrobilotus) submorulatus (Iharos, 1966) <Amended and transferred from *Macrobilotus* by Kaczmarek *et al.*, 2017>

Paramacrobilotus (Paramacrobilotus) vanescens (Pilato, Binda & Catanzaro, 1991) <Transferred from *Macrobilotus* by Guidetti *et al.* 2009> {Based on type material analysis, additional characters to the original description were added by Binda & Pilato 2001 and Pilato *et al.* 2001}

Paramacrobilotus (Paramacrobilotus) wauensis (Iharos, 1973) <Amended and transferred from *Macrobilotus* by Kaczmarek *et al.*, 2017>

Pseudodiphascon Ramazzotti, 1965 *genus dubium* [in Guidetti & Pilato 2003]

Pseudodiphascon inflexum (Arcidiacono, 1964)

Pseudohexapodibius Bertolani & Biserov, 1996

Pseudohexapodibius degenerans (Biserov, 1990)

Schusterius Kaczmarek & Michalczyk, 2006

Schusterius tridigitus (R.O. Schuster, 1983)

Tenuibiotus Pilato & Lisi, 2011

Tenuibiotus bondavallii (Manicardi, 1989) <Transferred from *Macrobilotus* by Pilato & Lisi 2011>

Tenuibiotus bozhkae Pilato, Kiosya, Lisi, Inshina & Biserov, 2011

Tenuibiotus ciprianoi (Guil, Guidetti & Machordom, 2007) <Transferred from *Macrobilotus* by Pilato & Lisi 2011>

Tenuibiotus danilovi (Tumanov, 2007) <Transferred from *Macrobilotus* by Pilato & Lisi 2011>

Tenuibiotus higgins (Maucci, 1987) <Transferred from *Macrobilotus* by Pilato & Lisi 2011>

Tenuibiotus hyperonyx (Maucci, 1983) <Transferred from *Macrobilotus* by Pilato & Lisi 2011>

Tenuibiotus hystricogenitus (Maucci, 1978) <Transferred from *Macrobiotus* by Pilato & Lisi 2011>
Tenuibiotus kozharai (Biserov, 1999) <Transferred from *Macrobiotus* by Pilato & Lisi 2011>
Tenuibiotus mongolicus (Maucci, 1988) <Transferred from *Macrobiotus* by Pilato & Lisi 2011>
Tenuibiotus tenuiformis (Tumanov, 2007) <Transferred from *Macrobiotus* by Pilato & Lisi 2011>
Tenuibiotus tenuis (Binda & Pilato, 1972) <Transferred from *Macrobiotus* by Pilato & Lisi 2011>
Tenuibiotus voronkovi (Tumanov, 2007) <Transferred from *Macrobiotus* by Pilato & Lisi 2011>
<Amended by Zawierucha *et al.* 2016>
Tenuibiotus willardi (Pilato, 1977) <Transferred from *Macrobiotus* by Pilato & Lisi 2011>

Xerobiotus Bertolani & Biserov, 1996

Xerobiotus euxinus Pilato, Kiosya, Lisi, Inshina & Biserov, 2011
Xerobiotus pseudohufelandi (Iharos, 1966) [*Macrobiotus inermis* Binda & Pilato, 1971]
Xerobiotus xerophilus (Dastych, 1978)

Family: Murrayidae **Guidetti, Rebecchi & Bertolani, 2000**

Dactylobiotus R.O. Schuster, 1980

Dactylobiotus ambiguus (Murray, 1907)
Dactylobiotus ampullaceus (Thulin, 1911)
Dactylobiotus aquatilis Yang, 1999
Dactylobiotus caldarellai Pilato & Binda, 1994
Dactylobiotus dervizi Biserov, 1998
Dactylobiotus dispar (Murray, 1907)
Dactylobiotus grandipes (Schuster, Toftner & Grigarick, 1978) <Amended by Kaczmarek & Michalczyk 2010>
Dactylobiotus haplonyx Maucci, 1981
Dactylobiotus henanensis Yang, 2002
Dactylobiotus kansae Beasley, Miller & Shively, 2009
Dactylobiotus lombardoi Binda & Pilato, 1999
Dactylobiotus luci Kaczmarek, Michalczyk & Eggermont, 2008
Dactylobiotus macronyx (Dujardin, 1851)
Dactylobiotus octavi Guidetti, Altiero & Hansen, 2006
Dactylobiotus parthenogeneticus Bertolani, 1982
Dactylobiotus selenicus Bertolani, 1982
Dactylobiotus vulcanus Kaczmarek, Schabetsberger, Litwin & Michalczyk, 2012

Macroversum Pilato & Catanzaro, 1988

Macroversum mirum Pilato & Catanzaro, 1988

Murrayon Bertolani & Pilato, 1988

Murrayon dianeae (Kristensen, 1982)
Murrayon hastatus (Murray, 1907)
Murrayon hibernicus (Murray, 1911)
Murrayon hyperoncus Meyer, Domingue & Hinton, 2014

Murrayon nocentinae (Ramazzotti, 1961)
Murrayon ovoglabellus (Biserov, 1988)
Murrayon pullari (Murray, 1907)
Murrayon stellatus Guidetti, 1998

Family: Richtersiidae Guidetti, Rebecchi, Bertolani, Jönsson, Kristensen & Cesari, 2016

Adorybiotus Maucci & Ramazzotti, 1981 <Transferred from *Macrobiotidae* by Guidetti *et al.* 2016>

Adorybiotus granulatus (Richters, 1903)

Diaforobiotus Guidetti, Rebecchi, Bertolani, Jönsson, Kristensen & Cesari, 2016

Diaforobiotus islandicus islandicus (Richters, 1904) [*Macrobiotus ruffoi* Maucci, 1973]
<Transferred from *Macrobiotus* by Guidetti *et al.* 2016>

Diaforobiotus islandicus nicaraguensis (Séméria, 1985) <Transferred from *Macrobiotus* by Guidetti *et al.* 2016>

Richtersius Pilato & Binda, 1989 <Transferred from *Macrobiotidae* by Guidetti *et al.* 2016>
[*Richtersia* Pilato & Binda, 1987]

Richtersius coronifer (Richters, 1903)

Incertae sedis

{the placement of the following taxa into any superfamily remains still unclear, see Marley *et al.* 2011}

Family: Beornidae Cooper, 1964

Beorn Cooper, 1964

Beorn leggi Cooper, 1964 {fossil species}

Family: Necopinatidae Ramazzotti & Maucci, 1983

Necopinatum Pilato, 1971

Necopinatum mirabile Pilato, 1971

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