

Actual checklist of Tardigrada species (2009-2021, 40th Edition: 19-07-2021)

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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). 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.** DOI: 10.25431/11380_1178608. Accessed *date*).

This checklist collects the taxonomic and systematic information available in the bibliography, so the authors do not necessarily share what is reported in the articles used for the composition of this list.

Currently there are 32 families, 153 genera, 1380 species and 30 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 and changes of taxa 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: Anisonychidae Møbjerg, Jørgensen & Kristensen, 2019

Anisonyches Pollock, 1975

<Amended by Bartels *et al.* 2018>

<Amended and transferred from Echiniscoididae by Møbjerg *et al.* 2019>

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

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 murilloi Bartels & Fontoura, 2021 in Bartels *et al.* 2021

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 E. 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 dandarae E. Santos, da Rocha, Gomes Jr. & Fontoura, 2017
Batillipes dicrocercus Pollock, 1970
Batillipes friaufi Riggini, 1962
Batillipes gilmartini McGinty, 1969
Batillipes homocercus Bartels & Fontoura, 2021 in Bartels *et al.* 2021
Batillipes ichthyocercus Bartels & Fontoura, 2021 in Bartels *et al.* 2021
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
<Amended by Hansen 2007>

Coronarctus Renaud-Mornant, 1974

<Amended by Hansen 2007>

Coronarctus disparilis Renaud-Mornant, 1987

Coronarctus dissimilis Gomes-Júnior, E. Santos, da Rocha, P.J.P. Santos & Fontoura, 2020

Coronarctus fastigatus Renaud-Mornant, 1987

Coronarctus laubieri Renaud-Mornant, 1987

Coronarctus mexicus Romano III, Gallo, D'Addabbo, Accogli, Baguley & Montagna, 2011

Coronarctus neptunus Gomes-Júnior, E. Santos, da Rocha, P.J.P. Santos & Fontoura, 2020

Coronarctus stylisetus Renaud-Mornant, 1987

Coronarctus tenellus Renaud-Mornant, 1974

Coronarctus verrucatus Hansen, 2007

Coronarctus yurupari Gomes-Júnior, E. Santos, da Rocha, P.J.P. Santos & Fontoura, 2020

Trogloarctus Villora-Moreno, 1996

Trogloarctus trionyches Villora-Moreno, 1996

Family: Halechiniscidae Thulin, 1928

<Amended by Fujimoto *et al.* 2017>

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 clarionclippertonensis Bai, X. Wang, Zhou, Lin, Meng & Fontoura, 2020

Moebjergarctus manganis Bussau, 1992

Parmursa Renaud-Mornant, 1984

<Amended by Hansen 2007>

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 bellahelenae Gąsiorek, D. Kristensen & Kristensen, 2021

~~*Florarctus cervinus* Renaud-Mornant, 1987~~ {see *F. heimi*}

Florarctus cinctus Renaud-Mornant, 1976

Florarctus glareolus Noda, 1987

Florarctus heimi Delamare Deboutteville & Renaud-Mornant, 1965 [*Florarctus cervinus*

Renaud-Mornant, 1987 according to Gąsiorek *et al.* 2021a]

Florarctus hulingsi Renaud-Mornant, 1976

Florarctus kwoni Chang & Rho, 1997

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

Florarctus salvati Delamare Deboutteville & Renaud-Mornant, 1965

Florarctus stellatus Renaud-Mornant, 1989

Florarctus vulcanius Renaud-Mornant, 1987

Florarctus wunai Fujimoto, 2015

Florarctus yucatanensis Anguas-Escalante, de Jesus-Navarrete, DeMilio, Pérez-Pech & Hansen, 2020

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)

<Former subfamily of Stygarctidae elevated to family level and amended by Bello & Grimaldi de Zio 1998>

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 Grimaldi de Zio, D'Addabbo Gallo & De Lucia Morone, 1987
{not more valid according to Hansen *et al.* 2012, Fontoura *et al.* 2017 and Tchesunov 2018;
considered valid and amended by Fujimoto & Miyazaki 2013 (however the authors were not
aware of Hansen *et al.* 2012 publication); amended by Kristensen *et al.* 2015 }

Neostygarctus Grimaldi de Zio, D'Addabbo Gallo & Morone De Lucia, 1982
<Transferred to Renaudarctidae by Kristensen & Higgins 1984b; elevated to family level and
amended by Grimaldi de Zio *et al.* 1987; 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 and 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 higginsii 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 gorbaultae Renaud-Mornant, 1981

Stygarctus granulatus Pollock, 1970

Stygarctus keralensis Vishnudattan, Bijoy Nandan, Hansen & Jayachandran, 2021

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.* 2017>

Angursa Pollock, 1979
<Amended by Fujimoto & Hansen 2019>
Angursa abyssalis Renaud-Mornant, 1981 {for taxonomic status of 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 seisumaruae Fujimoto & Hansen, 2019

Bathyechiniscus Steiner, 1926
Bathyechiniscus tetronyx Steiner, 1926 <Amended by Pollock 1983>

Cyaegharctus Fujimoto & Jimi, 2020
Cyaegharctus kitamurai Fujimoto & Jimi, 2020

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 jesperii 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 robertoi Pérez-Pech, de Jesús-Navarrate, DeMilio, Anguas-Escalante & Hansen, 2020
Styraconyx sardiniae D'Addabbo Gallo, Morone De Lucia & Grimaldi de Zio, 1989
Styraconyx sargassi Thulin, 1942
Styraconyx takeshii Fujimoto, Suzuki, Ito, Tamura & Tsujimoto, 2020
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
Styraconyx vargasi Bartels & Fontoura, 2021 in Bartels *et al.* 2021

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.* 2017>

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 breedyae Bartels & Fontoura, 2021 in Bartels *et al.* 2021

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
<Amended by Møbjerg *et al.* 2019>

Subfamily: Echiniscoidinae Kristensen & Hallas, 1980
<Amended by Møbjerg *et al.* 2019>

Echiniscoides Plate, 1888

Echiniscoides andamanensis Chang & Rho, 1998
Echiniscoides bruni D'Addabbo Gallo, Grimaldi de Zio, Morone De Lucia & Troccoli, 1992
Echiniscoides costaricensis Bartels & Fontoura, 2021 in Bartels *et al.* 2021
Echiniscoides hoepneri Kristensen & Hallas, 1980
Echiniscoides ritavargasae Bartels, Fontoura, Mioduchowska & Kaczmarek, 2021 in Bartels *et al.* 2021
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

Neoechiniscoides Møbjerg, Jørgensen & Kristensen, 2019

Neoechiniscoides aski Møbjerg, Jørgensen & Kristensen, 2019
Neoechiniscoides horningi (Miller & Kristensen, 1999) <Transferred from *Echiniscoides* by Møbjerg *et al.* 2019>
Neoechiniscoides pollocki (Hallas & Kristensen, 1982) <Transferred from *Echiniscoides* by Møbjerg *et al.* 2019>

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

{Guil *et al.* 2019 proposed subfamilies Echiniscinae Thulin, 1928, Parechiniscinae Guil, Jørgensen & Kristensen, 2019 and Pseudechiniscinae Guil, Jørgensen & Kristensen, 2019 as well as tribes Anthechiniscini Guil, Jørgensen & Kristensen, 2019, Bryodelphaxini Guil, Jørgensen & Kristensen, 2019, Cornechiniscini Guil, Jørgensen & Kristensen, 2019, Echiniscini Thulin, 1928, Novechiniscini Guil, Jørgensen & Kristensen, 2019, Parechiniscini Guil, Jørgensen & Kristensen, 2019 and Pseudechiniscini Guil, Jørgensen & Kristensen, 2019 - all these taxa were later suppressed by Gąsiorek & Michalczyk 2020b}

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>

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)
Antechiniscus pulcher (Murray, 1910) <Transferred from *Pseudechiniscus* by Gąsiorek *et al.*

2021c>

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

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 Gąsiorek, 2018
Bryodelphax asiaticus Kaczmarek & Michalczyk, 2004
Bryodelphax atlantis Fontoura, Pilato & Lisi, 2008
Bryodelphax australasiaticus Gąsiorek, Vončina, Degma & Michalczyk, 2020a
Bryodelphax brevidentatus Kaczmarek, Michalczyk & Degma, 2005
Bryodelphax crossotus Grigarick, Schuster & Nelson, 1983
Bryodelphax decoratus Gąsiorek, Vončina, Degma & Michalczyk, 2020a
Bryodelphax dominicanus (Schuster & Toftner, 1982)
Bryodelphax instabilis Gąsiorek & Degma, 2018
Bryodelphax iohannis Bertolani, Guidi & Rebecchi, 1996
Bryodelphax kristenseni Lisi, Daza, Londoño & Quiroga, 2017
Bryodelphax lijiangensis Yang, 2002
Bryodelphax maculatus Gąsiorek, Stec, Morek, Marnissi & Michalczyk, 2017
Bryodelphax mateusi (Fontoura, 1982)
Bryodelphax meronensis Pilato, Lisi & Binda, 2010
Bryodelphax nigripunctatus Degma, Gąsiorek, Vončina & Michalczyk, 2020 in Gąsiorek *et al.* 2020a
Bryodelphax olszanowskii Kaczmarek, Parnikoza, Gawlak, Esefeld, Peter, Kozeretska & Roszkowska, 2018

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)

Claxtonia Gąsiorek & Michalczyk, 2019 in Gąsiorek *et al.* 2019d

<Amended by Degma *et al.* 2021>

Claxtonia aliquantilla (Grigarick, Schuster & Nelson, 1983) <Transferred from *Echiniscus* by Degma *et al.* 2021>

Claxtonia barbarae (Kaczmarek & Michalczyk, 2002) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d>

Claxtonia capillata (Ramazzotti, 1956) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d>

Claxtonia corrugicaudata (McInnes, 2009) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d>

Claxtonia crebraclava (X.-Z. Sun, X. Li & Feng, 2014) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d>

Claxtonia malpighii (Biserov, 1994) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d>

Claxtonia marginopora (Grigarick, Schuster & Nelson, 1983) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d>

Claxtonia mauccii (Ramazzotti, 1956) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d>

Claxtonia molluscorum (Fox & Garcia-Moll, 1962) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d>

Claxtonia moniliata (Iharos, 1967) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d>

Claxtonia mosaica (Grigarick, Schuster & Nelson, 1983) <Transferred from *Echiniscus* by Degma *et al.* 2021>

Claxtonia nigripustula (Horning, Schuster & Grigarick, 1978) <Transferred from *Echiniscus* by Degma *et al.* 2021>

Claxtonia pardalis (Degma & Schill, 2015) {*nomen inquirendum* according to Gąsiorek *et al.* 2019d} <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d>

Claxtonia goni Degma, Meyer & Hinton, 2021

Claxtonia vincula (Horning, Schuster & Grigarick, 1978) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d>

Claxtonia wendti (Richters, 1903) [*Echiniscus dearmatus* Bartoš, 1935 according to Gąsiorek *et al.* 2019d, *Echiniscus szaboi* Iharos, 1973 as it was already synonymized with *E. dearmatus*] <*E. wendti* and *E. dearmatus* transferred from *Echiniscus* by Gąsiorek *et al.* 2019d>

Cornechiniscus Maucci & Ramazzotti, 1981

Cornechiniscus brachycornutus Maucci, 1987 <Amended by Gąsiorek & Michalczyk 2020>

Cornechiniscus ceratophorus (Maucci, 1973) <Amended by Gąsiorek & Michalczyk 2020>

Cornechiniscus cornutus (Richters, 1907) [*Pseudechiniscus intermedius* Mihelčič, 1970] <Amended by Gąsiorek & Michalczyk 2020>

Cornechiniscus holmeni (Petersen, 1951) <Amended by Gąsiorek & Michalczyk 2020>

Cornechiniscus imperfectus Gąsiorek & Michalczyk, 2020

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

<Amended by Gąsiorek & Michalczyk 2020>

Cornechiniscus madagascariensis Maucci, 1993 <Amended by Gąsiorek & Michalczyk 2020>

Cornechiniscus schrammi (Dastyh, 1979) <Amended by Gąsiorek & Michalczyk 2020>

Cornechiniscus subcornutus Maucci & Ramazzotti, 1981 <Amended by Gąsiorek & Michalczyk 2020>

Cornechiniscus tibetanus (Maucci, 1979) <Amended by Gąsiorek & Michalczyk 2020>

Diploechiniscus Vicente, Fontoura, Cesari, Rebecchi, Guidetti, Serrano & Bertolani, 2013

~~*Diploechiniscus horningi* (Schuster & Grigarick, 1971) <Transferred from *Echiniscus* by Gąsiorek et al. 2019d> {see *Diploechiniscus oihonnae*}~~

Diploechiniscus oihonnae (Richters, 1903) [*Echiniscus multispinosus* da Cunha, 1944 according to Vicente et al. 2013; *Echiniscus horningi* Schuster & Grigarick, 1971 according to Kaczmarek et al. 2021] <Amended and neotype established by Kaczmarek et al. 2021>

Echiniscus C.A.S. Schultze, 1840

<Amended by Gąsiorek et al. 2017b>

Echiniscus africanus Murray, 1907

~~*Echiniscus aliquantillus* Grigarick, Schuster & Nelson, 1983 {see *Claxtonia*}~~

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. 2019d}

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 Gąsiorek et al. 2019d, *Echiniscus mediantus* Marcus, 1930 according to Gąsiorek et al. 2019d]

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 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 egnatiae 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.* 2019d}
Echiniscus insularis Gašiorek, Vončina & Kiosya, 2021 in Kiosya *et al.* 2021
Echiniscus jagodici Mihelčič, 1951
Echiniscus jamesi Claxton, 1996
Echiniscus kerguelensis Richters, 1904
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.* 2019d}
Echiniscus lineatus Pilato, Fontoura, Lisi & Beasley, 2008 [*Echiniscus dariae* Kaczmarek & Michalczyk, 2010 in Gašiorek *et al.* 2019b]
Echiniscus longispinosus Murray, 1907
Echiniscus loxophthalmus Richters, 1911 {*species dubia* according to Gašiorek *et al.* 2019d}
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 masculinus Gašiorek, Vončina & Michalczyk, 2020
Echiniscus merokensis merokensis Richters, 1904 [*Echiniscus iharosi* Rudescu, 1964, *Echiniscus simba* Marcus, 1928 according to Gašiorek *et al.* 2019d]
Echiniscus merokensis suecicus Thulin, 1911
Echiniscus migiurtinus Franceschi, 1957
Echiniscus militaris Murray, 1911
Echiniscus mongoliensis Iharos, 1973 <Elevated to the species level by Gašiorek *et al.* 2017b>
Echiniscus montanus Iharos, 1982
Echiniscus mosaicus Grigarick, Schuster & Nelson, 1983 {see *Claxtonia*}

Echiniscus murrayi Iharos, 1969
Echiniscus nelsonae X. Li, L. Wang & Yu, 2007
Echiniscus nepalensis Dastych, 1975
~~*Echiniscus nigripustulus* Horning, Schuster & Grigarick, 1978~~ {see *Claxtonia*}
Echiniscus ornamentatus Gąsiorek & Kristensen, 2018
Echiniscus osellai Maucci, 1975
Echiniscus pajstunensis Bartoš, 1941
Echiniscus palmae Dastych, 1997
Echiniscus perarmatus Murray, 1907 [*Echiniscus maesi* Séméria, 1985 according to Gąsiorek *et al.* 2019d]
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 scabrospinus 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, 2020
Echiniscus speciosus Mihelčič, 1967 [*Echiniscus roseus* Mihelčič, 1967] {*species dubia* according to Gąsiorek *et al.* 2019d}
Echiniscus spiculifer Schaudinn, 1901 {*species dubia* according to Gąsiorek *et al.* 2019d}
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 tantulus Gąsiorek, Bochnak, Vončina & Kristensen, 2020 in Bochnak *et al.* 2020
Echiniscus tenuis Marcus, 1928 <probably *Bryodelphax* according to Gąsiorek *et al.* 2019d>
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

Gašiorek *et al.* 2017b]
Echiniscus trisetosus Cuénot, 1932 [*Echiniscus storkani* Bartoš, 1940 according to Gašiorek *et al.* 2019d]
Echiniscus tristis Gašiorek & 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 cataractus Gašiorek, Oczkowski, Kristensen & Michalczyk, 2020⁰¹ in Gašiorek *et al.* 2020b2021d
Hypechiniscus daedalus Gašiorek, Oczkowski, Bartels, Nelson, Kristensen & Michalczyk, 2020⁰¹ in Gašiorek *et al.* 2020b2021d
Hypechiniscus exarmatus (Murray, 1907) [*Oreella breviclava* Grigarick, Schuster & Nelson, 1983]
Hypechiniscus fengi X.-Z. Sun & X. Li, 2013<Description corrected by Gašiorek *et al.* 2020b2021d >
Hypechiniscus flavus Gašiorek, Oczkowski, Suzuki, Kristensen & Michalczyk, 2020⁰¹ in Gašiorek *et al.* 2020b2021d
Hypechiniscus geminus Gašiorek, Oczkowski, Suzuki, Kristensen & Michalczyk, 2020⁰¹ in Gašiorek *et al.* 2020b2021d
Hypechiniscus gladiator (Murray, 1905) [*Parechiniscus unispinosus* da Cunha, 1947] <Amended, the subspecies *bigladii* and the form *fissigladii* suppressed, the form *spinulosa* considered invalid (all three previously described by Iharos 1973) in Gašiorek *et al.* 2020b2021d >
Hypechiniscus papillifer (Robotti, 1972) <Description corrected by Gašiorek *et al.* 2020b2021d >

Kristenseniscus Gašiorek, Morek, Stec & Michalczyk, 2019

Kristenseniscus kofordi (Schuster & Grigarick, 1966) <Transferred from *Echiniscus* by Gašiorek *et al.* 2019d>
Kristenseniscus limai (da Cunha & do Nascimento Ribeiro, 1964) {*nomen inquirendum* according to Gašiorek *et al.* 2019d} <Transferred from *Echiniscus* by Gašiorek *et al.* 2019d>
Kristenseniscus tessellatus (Murray, 1910) <Transferred from *Echiniscus* by Gašiorek *et al.* 2019d>
Kristenseniscus walteri (Pilato & Lisi, 2003) <Transferred from *Echiniscus* by Gašiorek *et al.* 2019d>

Mopsechiniscus du Bois-Reymond Marcus, 1944

Mopsechiniscus franciscae Guidetti, Rebecchi, Cesari & McInnes, 2014
Mopsechiniscus frenoti Dastych, 1999
Mopsechiniscus granulatus Mihelčič, 1967
Mopsechiniscus imberbis (Richters, 1907)

Mopsechiniscus schusteri Dastych, 1999
Mopsechiniscus tasmanicus Dastych & Moscal, 1992

Multipseudechiniscus Schulte & Miller, 2011
<Amended by Miller *et al.* 2012>

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

Nebularmis Gąsiorek & Michalczyk, 2019 in Gąsiorek *et al.* 2019d
<Amended by Gąsiorek *et al.* 2021b>

Nebularmis auratus Gąsiorek & Michalczyk, 2021 in Gąsiorek *et al.* 2021b

Nebularmis bhutanensis Veloso, Fontoura & Gąsiorek, 2021 in Gąsiorek *et al.* 2021b

Nebularmis burmensis Gąsiorek & Vončina, 2021 in Gąsiorek *et al.* 2021b

Nebularmis carsicus (Mihelčič, 1966) {*species dubia* according to Gąsiorek *et al.* 2019d}
<Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d>

Nebularmis cirinoi (Binda & Pilato, 1993) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d>

Nebularmis indicus Gąsiorek, Ciosek & Michalczyk, 2021 in Gąsiorek *et al.* 2021b

Nebularmis japonicus (Morikawa, 1951) {*nomen inquirendum* according to Gąsiorek *et al.* 2019a, c} <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d>

Nebularmis markezi (Mihelčič, 1971/72) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d> {*nomen inquirendum* according to Gąsiorek *et al.* 2019a}

Nebularmis nobilis (Mihelčič, 1967) {*species dubia* according to Gąsiorek *et al.* 2019d}
<Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d>

Nebularmis phocae (du Bois-Reymond Marcus, 1944) {*nomen inquirendum* according to Gąsiorek *et al.* 2019d} <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d> {*nomen inquirendum* according to Gąsiorek *et al.* 2019a}

Nebularmis reticulatus (Murray, 1905) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d>
<Amended by Gąsiorek *et al.* 2019a> [*Nebularmis mihelcici* (Iharos, 1973) in Gąsiorek *et al.* 2019a; {*species dubia* according to Gąsiorek *et al.* 2019d} <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d>]

Nebularmis tardus (Mihelčič, 1951) {*species dubia* according to Gąsiorek *et al.* 2019d}
<Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d>

Novechiniscus Kristensen, 1987

Novechiniscus armadilloides (R.O. Schuster, 1975)

Parechiniscus Cuénot, 1926

Parechiniscus chitonides Cuénot, 1926

Parechiniscus unispinosus da Cunha, 1947 {see *Hypechiniscus gladiator*}

Proechiniscus Kristensen, 1987

Proechiniscus hanneae (Petersen, 1951)

Pseudechiniscus Thulin, 1911

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

Subgenus: *Pseudechiniscus* Thulin, 1911 in Gąsiorek *et al.* 2021c

- Pseudechiniscus* (*Pseudechiniscus*) *alberti* Dastych, 1987
Pseudechiniscus (*Pseudechiniscus*) *asper* Abe, Utsugi & Takeda, 1998 <Amended by Vončina *et al.* 2020>
Pseudechiniscus (*Pseudechiniscus*) *beasleyi* X. Li, L. Wang & Yu, 2007
Pseudechiniscus (*Pseudechiniscus*) *bidenticulatus* Bartoš, 1963
Pseudechiniscus (*Pseudechiniscus*) *brevimontanus* Kendall-Fite & Nelson, 1996
Pseudechiniscus (*Pseudechiniscus*) *chengi* Xue, X. Li, L. Wang, Xian, Chen, 2017
Pseudechiniscus (*Pseudechiniscus*) *clavatus* Mihelčič, 1955 {*species dubia* according to Gąsiorek *et al.* 2021c}
Pseudechiniscus (*Pseudechiniscus*) *dicrani* Mihelčič, 1938
Pseudechiniscus (*Pseudechiniscus*) *ehrenbergi* Roszkowska, Grobys, Bartylak & Kaczmarek, 2020 in Roszkowska *et al.* 2020
Pseudechiniscus (*Pseudechiniscus*) *facettalis* Petersen, 1951 [*Pseudechiniscus pseudoconifer facettalis* Maucci, 1954]
Pseudechiniscus (*Pseudechiniscus*) *insolitus* Maucci, 1991
Pseudechiniscus (*Pseudechiniscus*) *jubatus* Biserov, 1990
Pseudechiniscus (*Pseudechiniscus*) *lacyformis* Roszkowska, Grobys, Bartylak & Kaczmarek, 2020 in Roszkowska *et al.* 2020
Pseudechiniscus (*Pseudechiniscus*) *lalitae* Kayastha, Bartylak, Gawlak & Kaczmarek, 2020
Pseudechiniscus (*Pseudechiniscus*) *marinae* Bartoš, 1934 [*Pseudechiniscus novaezeelandiae marinae* Bartoš, 1934 raised to species rank by Tumanov 2020a]
Pseudechiniscus (*Pseudechiniscus*) *megacephalus* Mihelčič, 1951 {*nomen dubium* according to Gąsiorek *et al.* 2021c}
Pseudechiniscus (*Pseudechiniscus*) *nataliae* Biserov & Maucci, 1986
Pseudechiniscus (*Pseudechiniscus*) *occultus* Dastych, 1980
Pseudechiniscus (*Pseudechiniscus*) *papillosus* X. Li, L. Wang, Liu & Su, 2005
Pseudechiniscus (*Pseudechiniscus*) *pseudoconifer* Ramazzotti, 1943
Pseudechiniscus (*Pseudechiniscus*) *ramazzottii ramazzottii* Maucci, 1952
Pseudechiniscus (*Pseudechiniscus*) *ramazzottii facettalis* Iharos, 1964 [*Pseudechiniscus ramazzottii lineatus* Maucci, 1973-74]
Pseudechiniscus (*Pseudechiniscus*) *scortecii* Franceschi, 1952
Pseudechiniscus (*Pseudechiniscus*) *shintai* Vončina, Kristensen & Gąsiorek, 2020
Pseudechiniscus (*Pseudechiniscus*) *suillus* (Ehrenberg, 1853) [*Echiniscus mutabilis* Murray, 1905] <Amended by Grobys *et al.* 2020>
Pseudechiniscus (*Pseudechiniscus*) *xiai* L. Wang, Xue & X. Li, 2018

Subgenus: *Meridioniscus* Gąsiorek, Vončina & Michalczyk, 2021 in Gąsiorek *et al.* 2021c

- Pseudechiniscus* (*Meridioniscus*) *angelusalas* Roszkowska, Grobys, Bartylak & Kaczmarek, 2020 in Roszkowska *et al.* 2020
Pseudechiniscus (*Meridioniscus*) *bartkei* Węglarska, 1962
Pseudechiniscus (*Meridioniscus*) *conifer* (Richters, 1904)
Pseudechiniscus (*Meridioniscus*) *dastychi* Roszkowska, Grobys, Bartylak & Kaczmarek, 2020 in Roszkowska *et al.* 2020
~~*Pseudechiniscus gullii* Pilato & Lisi, 2006 {see *Pseudechiniscus quadrilobatus*}~~
Pseudechiniscus (*Meridioniscus*) *indistinctus* Roszkowska, Grobys, Bartylak & Kaczmarek, 2020 in Roszkowska *et al.* 2020

Pseudechiniscus (*Meridioniscus*) *juanitae* de Barros, 1939 [*Pseudechiniscus suillus franciscae* de Barros, 1942]

Pseudechiniscus (*Meridioniscus*) *mascarenensis* Kiosya, Vončina & Gąsiorek, 2021

Pseudechiniscus (*Meridioniscus*) *novaezeelandiae novaezeelandiae* (Richters, 1908)

Pseudechiniscus (*Meridioniscus*) *novaezeelandiae* forma *aspinosa* Iharos, 1963 {*nomen dubium* according to Tumanov 2020a}

Pseudechiniscus (*Meridioniscus*) *novaezeelandiae* forma *dorsospinosa* Iharos, 1963 {*nomen dubium* according to Tumanov 2020a}

Pseudechiniscus (*Meridioniscus*) *novaezeelandiae* forma *laterospinosa* Iharos, 1963 {*nomen dubium* according to Tumanov 2020a}

~~*Pseudechiniscus pilatoi* X. Li, 2007 {see *Pseudechiniscus quadrilobatus*}~~

Pseudechiniscus (*Meridioniscus*) *quadrilobatus* Iharos, 1969 [*Pseudechiniscus gullii* Pilato & Lisi, 2006 in Gąsiorek *et al.* 2021c, *Pseudechiniscus pilatoi* X. Li, 2007 in Gąsiorek *et al.* 2021c]

Pseudechiniscus (*Meridioniscus*) *saltensis* Rocha, Doma, Gonzales Reyes & Lisi, 2020

Pseudechiniscus (*Meridioniscus*) *santomensis* Fontoura, Pilato & Lisi, 2010

Pseudechiniscus (*Meridioniscus*) *spinirectus* Pilato, Binda, Napolitano & Moncada, 2001

Pseudechiniscus (*Meridioniscus*) *titianae* Vecchi, Cesari, Bertolani, Jönsson, Rebecchi & Guidetti, 2016a

Pseudechiniscus (*Meridioniscus*) *yunnanensis* L. Wang, 2009

not included in subgenus in Gąsiorek *et al.* 2021c

Pseudechiniscus bispinosus (Murray, 1907) <Probably belongs in a different genus according to Gąsiorek *et al.* 2021c>

Pseudechiniscus jiroveci Bartoš, 1963 {*nomen dubium* according to Tumanov 2020a}

~~*Pseudechiniscus pulcher* (Murray, 1910) {see *Antechiniscus*}~~

Pseudechiniscus shilinensis Yang, 2002 {*nomen dubium* according to Gąsiorek *et al.* 2021c}

Pseudechiniscus transsylvanicus Iharos, 1936 <Probably belongs in a different genus according to Gąsiorek *et al.* 2021c>

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.* 2019d

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

Viridiscus miraviridis Nelson, Adkins Fletcher, Guidetti, Roszkowska, Grobys & Kaczmarek, 2020

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

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

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

Viridiscus viridis (Murray, 1910) <Amended by Pilato *et al.* 2008a> <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d>

Viridiscus viridissimus (Péterfi, 1956) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d>

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: EUTARDIGRADA Richters, 1926

{Guil *et al.* 2019 proposed new class APOTARDIGRADA Guil, Jørgensen & Kristensen, 2019 for the order APOCHELA, suppressed order PARACHELA and replaced it with class EUTARDIGRADA and elevated superfamilies Eohypsibioidea, Hypsibioidea, Isohypsibioidea and Macrobiotioidea to orders. Morek *et al.* 2020b suppressed all these taxonomic acts.}

Order: APOCHELA Schuster, Nelson, Grigarick & Christenberry, 1980
<Amended by Morek *et al.* 2020b>

Family: Milnesiidae Ramazzotti, 1962
<Amended by Morek *et al.* 2020b>

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
<Amended by Morek *et al.* 2020b>

Milnesium alabamiae Wallendorf & Miller, 2009
Milnesium almatyense Tumanov, 2006 <Amended by Morek *et al.* 2020a>
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 cassandrae Moreno-Talamantes, Roszkowska, García-Aranda, Flores-Maldonado & Kaczmarek, 2019
Milnesium dornensis Ciobanu, Roszkowska & Kaczmarek, 2015
Milnesium dujiangensis Yang, 2003 {*nomen dubium* according to Morek *et al.* 2016}
Milnesium eury stomum Maucci, 1991 <Amended by Michalczyk *et al.* 2012>
Milnesium fridae Moreno-Talamantes, León-Espinosa, García-Aranda, Flores-Maldonado & Kaczmarek, 2020
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 matheusi Kaczmarek, Grobys, Kulpa, Bartylak, Kmita, M. Kepel, A. Kepel & Roszkowska, 2019
Milnesium minutum Pilato & Lisi, 2016
Milnesium pacificum Sugiura, Minato, Matsumoto & Suzuki, 2020
Milnesium pentapapillatum Ciosek, Morek & Michalczyk, 2020 in Morek *et al.* 2020b
Milnesium pseudotardigradum Surmacz, Morek & Michalczyk, 2019
Milnesium quadrifidum Nederström, 1919 {valid according to Morek *et al.* 2016}
Milnesium reductum Tumanov, 2006 <Amended by Morek *et al.* 2020a>
Milnesium reticulatum Pilato, Binda & Lisi, 2002
Milnesium sandrae Pilato & Lisi, 2016
Milnesium shilohae Meyer, 2015
Milnesium swansoni 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 wrightae Kaczmarek, Grobys, Kulpa, Bartylak, Kmita, M. Kepel, A. Kepel &
Roszkowska, 2019
Milnesium zsalakoae Meyer & Hinton, 2010

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

Superfamily: Eohypsibioidea Bertolani & Kristensen, 1987 in Marley *et al.* 2011

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

Superfamily: Hypsibioidea Pilato, 1969 in Marley *et al.* 2011
<Amended by Bertolani *et al.* 2014 and by Gąsiorek *et al.* 2018a>

Family: Calohypsibiidae Pilato, 1969
<Amended by Bertolani *et al.* 2014 and by Gąsiorek *et al.* 2019c>

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 and by Gąsiorek *et al.* 2018a>

Subfamily: Diphasconinae Dastych, 1992

<Amended by Bertolani *et al.* 2014 and by Gąsiorek & Michalczyk 2020a>

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, 2018

Diphascon punctatum (Iharos, 1962)

Diphascon puniceum (Jennings, 1976)
Diphascon rivulare (Mihelčič, 1967)
Diphascon rudnickii Kaczmarek, Parnikoza, Gawlak, Esefeld, Peter, Kozeretska & Roszkowska, 2018
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 wuyingensis X.-L. Sun, J.-Y. Zhang, N. Wang, Zhao & Luo, 2020
Diphascon zaniawi 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)

Cryobiotus Dastych, 2019
Cryobiotus janetscheki (Ramazzotti, 1968) <Transferred from *Hypsibius* by Dastych 2019>
Cryobiotus klebelsbergi (Mihelčič, 1959) <Transferred from *Hypsibius* by Dastych 2019>
Cryobiotus thaleri (Dastych, 2004) <Transferred from *Hypsibius* by Dastych 2019>
Cryobiotus roswithae Dastych, 2019

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, 2018
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 giusepperamazzotti Sudzuki, 1975
Hypsibius hypostomus Bartoš, 1935
Hypsibius iskandarovi Tumanov, 1997
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 pedrotii Bertolani, Manicardi & Gibertoni, 1987
Hypsibius pradellii Bertolani & Rebecchi, 1996
Hypsibius ragonesei Binda & Pilato, 1985
Hypsibius repentinus Tumanov & Avdeeva, 2021
Hypsibius roanensis Nelson & McGlothlin, 1993
Hypsibius runae Bartoš, 1941
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 valentinae Pilato, Kiosya, Lisi & Sabella, 2012
Hypsibius vaskelae Tumanov, 2018

Subfamily: Itaquasconinae Bartoš in Rudescu, 1964
 <Amended by Bertolani *et al.* 2014 and by Gąsiorek & Michalczyk 2020a>

Adropion Pilato, 1987

<Subgenus *Adropion* of the genus *Diphascon* raised to genus level and transferred from
Diphasconinae by Bertolani *et al.* 2014>
 <Amended by Gąsiorek & Michalczyk 2020a>

Adropion afroglacialis Zawierucha, Gąsiorek & Buda, 2018 in Zawierucha *et al.* 2018a
Adropion behanae (Dastych, 1987)
Adropion belgicae (Richters, 1911) [*Fujiscon diphasconiellum* Ito, 1991] <Amended by Bernard
 1977>
Adropion gani (X.-Z. Sun, X. Li & Feng, 2014)
Adropion gordonense (Pilato, Claxton & Horning, 1991)
Adropion greveni (Dastych, 1984)
Adropion linzhiensis (X. Li, 2007)
Adropion marcusi (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 onorei (Pilato, Binda, Napolitano & Moncada, 2002)
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)

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 Diphascioninae by Bertolani *et al.* 2014>

Bindius triquetrus Pilato, 2009

Guidettion Gąsiorek & Michalczyk, 2020

Guidettion arduifrons (Thulin, 1928) <Transferred from *Adropion* by Gąsiorek & Michalczyk 2020a>
Guidettion carolae (Binda & Pilato, 1969) <Transferred from *Adropion* by Gąsiorek & Michalczyk 2020a>
Guidettion clavatum (Bartoš, 1935) <Transferred from *Adropion* by Gąsiorek & Michalczyk 2020a>
Guidettion modestum (Binda, Pilato & Dastych, 1984) <Transferred from *Adropion* by Gąsiorek & Michalczyk 2020a>
Guidettion montigenum (Pilato & Dastych, 1974) <Transferred from *Adropion* by Gąsiorek & Michalczyk 2020a>
Guidettion prorsirostre (Thulin, 1928) <Transferred from *Adropion* by Gąsiorek & Michalczyk 2020a>
Guidettion vexatum (Pilato, Sabella, D'Urso & Lisi, 2017) <Transferred from *Adropion* by Gąsiorek & Michalczyk 2020a>

Insulobius Gąsiorek & Michalczyk, 2020

Insulobius orientalis Gąsiorek & Michalczyk, 2020

Itaquascon de Barros, 1939

<Amended by Gąsiorek & Michalczyk 2020a and by Massa *et al.* 2021>

Itaquascon biserovi Pilato, Binda & Moncada, 1999
Itaquascon cambewarrense Pilato, Binda & Claxton, 2002
Itaquascon enckelli (Mihelčič, 1971/72)
Itaquascon magnussoni Massa, Guidetti, Cesari, Rebecchi & Jönsson, 2021
Itaquascon mongolicus Kaczmarek, Michalczyk & Węglarska, 2002
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
Meplitumen itaquasconoide (Durante Pasa & Maucci, 1975) <Transferred from *Platicrista* by Massa *et al.* 2021>

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) {see *Meplitumen*}
Platicrista ramsayi Marley, 2006

Raribius Gąsiorek & Michalczyk, 2020
Raribius globuliferus (Abe & Ito, 1994) <Transferred from *Itaquascon* by Gąsiorek & Michalczyk 2020a>
Raribius pawlowskii (Węglarska, 1973) <Transferred from *Itaquascon* by Gąsiorek & Michalczyk 2020>

Sarascon Guil, Rodrigo & Machordom, 2014
Sarascon hortensiae Guil, Rodrigo & Machordom, 2014

Subfamily: Pilatobiinae Bertolani, Guidetti, Marchioro, Altiero, Rebecchi & Cesari, 2014
<Amended by Gąsiorek & Michalczyk 2020>

Notahypsibius Tumanov, 2020
Notahypsibius arcticus (Murray, 1907) [*Macrobiotus heinisi* Richters, 1907] <Transferred from *Hypsibius* to *Ramazzottius* by Gąsiorek *et al.* 2018a; transferred from *Ramazzottius* by Tumanov 2020b>
Notahypsibius pallidoides (Pilato, Kiosya, Lisi, Inshina & Biserov, 2011) <Amended and transferred from *Hypsibius* by Tumanov 2020b>
Notahypsibius scaber (Maucci, 1987) <Transferred from *Hypsibius* by Tumanov 2020b>

Pilatobius Bertolani, Guidetti, Marchioro, Altiero, Rebecchi & Cesari, 2014
<Amended by Tumanov 2020b>
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 glacialis Zawierucha, Buda & Gąsiorek, 2020 in Zawierucha *et al.* 2020
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 Gąsiorek *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 Gąsiorek *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]

Acutuncus mariae Zawierucha, 2020 in Zawierucha *et al.* 2020

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.* 2019c>

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

<Amended by Guidetti *et al.* 2019b>

Cryoconicus antiarktos Guidetti, Massa, Bertolani, Rebecchi & Cesari, 2019

Cryoconicus cataphractus (Maucci, 1974) <Transferred from *Ramazzottius* by Zawierucha *et al.* 2018b> <Amended by Guidetti *et al.* 2019b>

Cryoconicus kaczmareki Zawierucha, Stec, Lachowska-Cierlik, Takeuchi, Z. Li & Michalczyk, 2018

Cryoconicus ljudmilae (Biserov, 1997/98) <Amended and transferred from *Ramazzottius* by Guidetti *et al.* 2019b>

Hebesuncus Pilato, 1987

Hebesuncus conjugens (Thulin, 1911)

Hebesuncus mollispinus Pilato, McInnes & Lisi, 2012

Hebesuncus ryani Dastych & Harris, 1994 <Amended by Guidetti *et al.* 2019b>

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 baumanni (Ramazzotti, 1962)

Ramazzottius belubellus Bartels, Nelson, Kaczmarek & Michalczyk, 2011
Ramazzottius bunikowskiae Kaczmarek, Michalczyk & Diduszko, 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 montivagus (Dastych, 1983)
Ramazzottius nivalis Dastych, 2006 <Amended by Guidetti *et al.* 2019b>
Ramazzottius novemcinctus (Marcus, 1936)
Ramazzottius oberhaeuseri (Doyère, 1840) <Amended by Stec *et al.* 2018>
Ramazzottius rupeus Biserov, 1999
Ramazzottius sabatiniae Guidetti, Massa, Bertolani, Rebecchi & Cesari, 2019
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

Superfamily: Isohypsibioidea Sands, McInnes, Marley, Goodal-Copestake, Convey & Linse,
 2008
 <Amended by Bertolani *et al.* 2014 and by Gąsiorek *et al.* 2019e>

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.* 2019e>

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.* 2019e>

Doryphoribius amazonicus Lisi, 2011

Doryphoribius barbarae Beasley & Miller, 2012

Doryphoribius bertolanii Beasley & Pilato, 1987

Doryphoribius bindae Lisi, 2011

Doryphoribius cephalogibbosus Rocha, Doma, Gonzales Reyes & Lisi, 2020

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, X.-Z. Sun & X. Li, 2014
Doryphoribius mexicanus Beasley, Kaczmarek & Michalczyk, 2008
Doryphoribius minimus Bartels, Nelson, Kaczmarek & Michalczyk, 2008
Doryphoribius monstrosus (Maucci, 1991) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>
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.* 2019e>
Grevenius annulatus minor (Ramazzotti, 1945) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>
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.* 2019e>

Grevenius baicalensis (Ramazzotti, 1966) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>

Grevenius baldii (Ramazzotti, 1945) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>

Grevenius baldioides (Tumanov, 2003) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>

Grevenius brevitubulatus (Rho, Chang & Kim, 1997) (in Rho *et al.* 1997) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>

Grevenius cryophilus Zawierucha, Buda, Novotna Jaromerska & Gąsiorek, 2020 in Zawierucha *et al.* 2020

Grevenius deconincki (Pilato, 1971) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>

Grevenius deflexus (Mihelčič, 1960) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>

Grevenius fuscus (Mihelčič, 1971/72) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e> {*nomen inquirendum* according to Gąsiorek *et al.* 2019e}

Grevenius granditintinus (Chang & Rho, 1996) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>

Grevenius granulifer (Thulin, 1928) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>

Grevenius hydrogogianus (Ito & Tagami, 1993) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>

Grevenius karenae (Zawierucha, 2013) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>

Grevenius kenodontis (Kendall-Fite & Nelson, 1996) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>

Grevenius koreanensis (Iharos, 1971) <*Isohypsibius granulifer koreanensis* (Iharos, 1971) elevated to a species rank and transferred by Gąsiorek *et al.* 2019e> {*nomen inquirendum* according to Gąsiorek *et al.* 2019e}

Grevenius kotovae (Tumanov, 2003) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>

Grevenius kristenseni (Pilato, Catanzaro & Binda, 1989) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>

Grevenius ladogensis (Tumanov, 2003) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>

Grevenius laevis (McInnes, 1995) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>

Grevenius lineatus (Mihelčič, 1969) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e> {*nomen inquirendum* according to Gąsiorek *et al.* 2019e}

Grevenius longiunguis (Pilato, 1974) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>

Grevenius malawiensis (Jørgensen, 2001) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>

Grevenius marii (Bertolani, 1982) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>

Grevenius monoicus (Bertolani, 1982) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>

Grevenius myrops (du Bois-Reymond Marcus, 1944) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>

Grevenius nipponicus (Sudzuki, 1975) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e> {*nomen inquirendum* according to Gąsiorek *et al.* 2019e}

Grevenius pulcher (Mihelčič, 1971/72) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e> {*nomen inquirendum* according to Gąsiorek *et al.* 2019e}

Grevenius pushkini (Tumanov, 2003) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>

Grevenius rugosus (Guidi & Grabowski, 1996) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e> {*nomen inquirendum* according to Gąsiorek *et al.* 2019e}

Grevenius rusticus (Pilato, Sabella & Lisi, 2015) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>
Grevenius sismicus (Maucci, 1978) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>
Grevenius tuberciculatus (Pilato & Catanzaro, 1989) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>
Grevenius verae (Pilato & Catanzaro, 1989) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>
Grevenius zappalai (Pilato, Sabella & Lisi, 2015) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>

Paradiphascon Dastych, 1992

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

Paradiphascon manningi Dastych, 1992

Pseudobiotus Nelson, 1980 in Schuster *et al.* 1980

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

Pseudobiotus hirsutellus Pilato, Lisi & Binda, 2010

Pseudobiotus kathmanae Nelson, Marley & Bertolani, 1999

Pseudobiotus longiunguis (Iharos, 1968) {*species dubia* according to Gąsiorek *et al.* 2019e}

Pseudobiotus maticci (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.* 2019e>

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

Thulinus gustavi Massa, Guidetti, Cesari, Rebecchi & Jönsson, 2021

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.* 2019e>

Halobiotus appelloefi (Richters, 1908) <Transferred from *Macrobiotus* by Gąsiorek *et al.* 2019e>
{*nomen inquirendum* according to Gąsiorek *et al.* 2019e}

Halobiotus arcturulus Crisp & Kristensen, 1983

Halobiotus crispae Kristensen, 1982

Halobiotus geddesi (Hallas, 1971) <Transferred from *Hypsibius* by Gąsiorek *et al.* 2019e>
{*nomen inquirendum* according to Gąsiorek *et al.* 2019e}

Halobiotus stenostomus (Richters, 1908)

Family: Hexapodibiidae Cesari, Vecchi, Palmer, Bertolani, Pilato, Rebecchi & Guidetti, 2016
<Amended by Gąsiorek *et al.* 2019e>

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.* 2019e>

Dastychius Pilato, 2013

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

<Amended by Mioduchowska *et al.* 2021>

Dianea Gąsiorek, Stec, Morek & Michalczyk, 2019

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

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

Dianeae belliformis (Mihelčič, 1971) <Transferred from *Isohypsibius* by Gašiorek *et al.* 2019e>
 {*species dubia* according to Gašiorek *et al.* 2019e}
Dianeae bella (Mihelčič, 1971) <Transferred from *Isohypsibius* by Gašiorek *et al.* 2019e>
 {*species dubia* according to Gašiorek *et al.* 2019e}
Dianeae brevispinosa (Iharos, 1966) <Transferred from *Isohypsibius* by Gašiorek *et al.* 2019e>
 {*species dubia* according to Gašiorek *et al.* 2019e}
Dianeae costata (Mihelčič, 1971) <Transferred from *Isohypsibius* by Gašiorek *et al.* 2019e>
 {*species dubia* according to Gašiorek *et al.* 2019e}
Dianeae effusa (Mihelčič, 1971) <Transferred from *Isohypsibius* by Gašiorek *et al.* 2019e>
 {*species dubia* according to Gašiorek *et al.* 2019e}
Dianeae franzi (Mihelčič, 1951) <Transferred from *Isohypsibius* by Gašiorek *et al.* 2019e>
 {*species dubia* according to Gašiorek *et al.* 2019e}
Dianeae helenae (Iharos, 1964) <Transferred from *Isohypsibius* by Gašiorek *et al.* 2019e> {*nomen inquirendum* according to Gašiorek *et al.* 2019e}
Dianeae indica (Murray, 1907) <Transferred from *Isohypsibius* by Gašiorek *et al.* 2019e> {*nomen inquirendum* according to Gašiorek *et al.* 2019e}
Dianeae mammillosa (Iharos, 1964) <Transferred from *Isohypsibius* by Gašiorek *et al.* 2019e>
 {*species dubia* according to Gašiorek *et al.* 2019e}
Dianeae papillifera (Murray, 1905) <Transferred from *Isohypsibius* by Gašiorek *et al.* 2019e;>
Isohypsibius papillifer bulbosus (Marcus, 1928) suppressed by Gašiorek *et al.* 2019e>
Dianeae rahmi (X. Li & L. Wang, 2006) <Transferred from *Isohypsibius* by Gašiorek *et al.* 2019e>
 2019e>
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 Gašiorek *et al.* 2019e>
Dianeae tuberculoides (Mihelčič, 1951) <Transferred from *Isohypsibius* by Gašiorek *et al.* 2019e>
 {*species dubia* according to Gašiorek *et al.* 2019e}
Dianeae vej dovskyi (Bartoš, 1939) <Transferred from *Isohypsibius* by Gašiorek *et al.* 2019e>
 {*nomen inquirendum* according to Gašiorek *et al.* 2019e}

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

Isohypsibius Thulin, 1928

<Amended by Gašiorek *et al.* 2019e>
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.* 2019e]
Isohypsibius campbellensis Pilato, 1996
Isohypsibius canadensis (Murray, 1910) {*species dubia* according to Gąsiorek *et al.* 2019e}
Isohypsibius ceciliae Pilato & Binda, 1987
Isohypsibius changbaiensis Yang, 1999 {*species dubia* according to Gąsiorek *et al.* 2019e}
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.* 2019e}
Isohypsibius dastychi Pilato, Bertolani & Binda, 1982
Isohypsibius glazovi Biserov, 1999
Isohypsibius hadzii (Mihelčič, 1938) {*species dubia* according to Gąsiorek *et al.* 2019e}
Isohypsibius jakieli Dastych, 1984
Isohypsibius jingshanensis Yang, 2003 {*species dubia* according to Gąsiorek *et al.* 2019e}
Isohypsibius jinhouensis Yang, 2007 {*species dubia* according to Gąsiorek *et al.* 2019e}
Isohypsibius liae X. Li & L. Wang, 2006 {*nomen inquirendum* according to Gąsiorek *et al.* 2019e}
Isohypsibius macrodactylus (Maucci, 1978) [*Isohypsibius zierhofferi* Dastych, 1980]
Isohypsibius marcellinoi Binda & Pilato, 1971
Isohypsibius occultus Pilato, D'Urso, Sabella & Lisi, 2019
Isohypsibius palmai Pilato, 1996
Isohypsibius panovi Tumanov, 2005
Isohypsibius pauper (Mihelčič, 1971) {*nomen inquirendum* according to Gąsiorek *et al.* 2019e}
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.* 2019e}
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.* 2019e}
Isohypsibius undulatus Thulin, 1928
Isohypsibius verrucosus (Della Valle, 1915) [*Isohypsibius gibbus* (Marcus, 1928)] {*nomen inquirendum* according to Gąsiorek *et al.* 2019e}
Isohypsibius wilsoni (Horning, Schuster & Grigarick, 1978)
Isohypsibius yunnanensis Yang, 2002 {*species dubia* according to Gąsiorek *et al.* 2019e}

Ursulinius Gąsiorek, Stec, Morek & Michalczyk, 2019

Ursulinius austriacus (Iharos, 1966) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>
Ursulinius bartosi (Iharos, 1966) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>
 {*species dubia* according to Gąsiorek *et al.* 2019e}
Ursulinius bulbifer (Mihelčič, 1957) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>
 {*species dubia* according to Gąsiorek *et al.* 2019e}
Ursulinius cameruni (Iharos, 1969) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>
Ursulinius cyrilli (Mihelčič, 1951) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>
Ursulinius dudichi (Iharos, 1964) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>
Ursulinius durantee (Maucci, 1978) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>
Ursulinius elegans (Binda & Pilato, 1971) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>
Ursulinius eplenyiensis (Iharos, 1970) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>
Ursulinius glaber (Durante Pasa & Maucci, 1979) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>
Ursulinius gracilis (Iharos, 1966) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>
 {*nomen inquirendum* according to Gąsiorek *et al.* 2019e}
Ursulinius gyulai (Mihelčič, 1971) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>
 {*species dubia* according to Gąsiorek *et al.* 2019e}
Ursulinius hypostomoides (Mihelčič, 1971) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>
Ursulinius josephi (Iharos, 1964) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>
Ursulinius latiunguis (Iharos, 1964) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>
 {*nomen inquirendum* according to Gąsiorek *et al.* 2019e}
Ursulinius leithaicus (Iharos, 1966) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>
Ursulinius lunulatus (Iharos, 1966) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>
 {*nomen inquirendum* according to Gąsiorek *et al.* 2019e}
Ursulinius mihelcici (Iharos, 1964) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>
 {*nomen inquirendum* according to Gąsiorek *et al.* 2019e}
Ursulinius montanus (Mihelčič, 1938) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>
 {*nomen inquirendum* according to Gąsiorek *et al.* 2019e}
Ursulinius neoundulatus (Durante Pasa & Maucci, 1975) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>
Ursulinius nodosus (Murray, 1907) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>
Ursulinius novaeguineae (Iharos, 1967) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>
Ursulinius pappi (Iharos, 1966) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>
Ursulinius pilatoi (Durante Pasa & Maucci, 1979) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>
Ursulinius pratensis (Iharos, 1964) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>
 {*nomen inquirendum* according to Gąsiorek *et al.* 2019e}
Ursulinius qinlingensis (X. Li, L. Wang & Yu, 2005) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>
Ursulinius roberti (Biserov, 1996) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>
Ursulinius ronsisvallei (Binda & Pilato, 1969) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>
Ursulinius rudescui (Iharos, 1966) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>
Ursulinius septentrionalis (Thulin, 1928) <Transferred from *Isohypsibius* by Gąsiorek *et al.*

2019e>

Ursulinius silvicola (Iharos, 1966) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>
{*nomen inquirendum* according to Gąsiorek *et al.* 2019e}

Ursulinius theresiae (Iharos, 1964) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>
{*nomen inquirendum* according to Gąsiorek *et al.* 2019e}

Ursulinius torulosus (Mihelčič, 1959) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>

Ursulinius truncorum (Iharos, 1964) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>

Ursulinius tucumanensis (Claps & Rossi, 1984) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>

Ursulinius woodsae (Kathman, 1990) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>

Vladimirobius Kaczmarek, Bartylak & Roszkowska, 2020

Vladimirobius irregibilis (Biserov, 1992) <Transferred from *Isohypsibius* to *Grevenius* by Gąsiorek *et al.* 2019e> <Transferred from *Grevenius* by Kaczmarek *et al.* 2020a>

Weglarskobius Kaczmarek, Bartylak & Roszkowska, 2020

Weglarskobius altai (Kaczmarek & Michalczyk, 2006) <Transferred from *Isohypsibius* by Kaczmarek *et al.* 2020a>

Incertae sedis

{according to Gąsiorek *et al.* 2019e}

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.* 2019e>

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.* 2019e>

Thalerius konradi Dastych, 2009

Superfamily: Macrobiotioidea Thulin, 1928 in Marley *et al.* 2011

Family: Adorybiotidae Stec, Vecchi & Michalczyk, 2020 in Stec *et al.* 2020f

Adorybiotus Maucci & Ramazzotti, 1981 <Transferred from *Macrobiotidae* to *Richtersiidae* by Guidetti *et al.* 2016; transferred from *Richtersiidae* by Stec *et al.* 2020f; **Belonging to**

***Richtersiidae* according to Guidetti *et al.* 2021>**

Adorybiotus granulatus (Richters, 1903)

Crenubiotus Lisi, Londoño & Quiroga, 2020 <Transferred from *Macrobiotidae* to Richtersiidae by Lisi *et al.* 2020; transferred from Richtersiidae by Stec *et al.* 2020f; **Belonging to Richtersiidae according to Guidetti *et al.* 2021**>

Crenubiotus crenulatus (Richters, 1904) [*Macrobiotus dentatus* Binda, 1974] <Amended and transferred from *Macrobiotus* by Lisi *et al.* 2020; amended by Stec *et al.* 2020f >

Crenubiotus revelator Lisi, Londoño & Quiroga, 2020

***Crenubiotus ruhesteini* Guidetti, Schill, Giovannini, Massa, Goldoni, Ebel, Förschler, Rebecchi & Cesari, 2021**

Family: Macrobiotidae Thulin, 1928

Biserovus Guidetti & Pilato, 2003

Biserovus bindae (Christenberry & Higgins, 1979)

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: *Discrepunguis* Guidetti & Bertolani, 2001

Calcarobiotus (Discrepunguis) polygonatus (Binda & Guglielmino, 1991) [*Macrobiotus 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>

Macrobiotus C.A.S. Schultze, 1834

<Amended by Stec *et al.* 2021a>

Macrobiotus acadianus (Meyer & Domingue, 2011) <Transferred from *Minibiotus* by Stec *et al.* 2015>

Macrobiotus almadai Fontoura, Pilato & Lisi, 2008

Macrobiotus alvaroi Pilato & Kaczmarek, 2007

Macrobiotus anderssoni Richters, 1907

Macrobotus andinus Maucci, 1988
Macrobotus anemone Meyer, Domingue & Hinton, 2014
Macrobotus annae Richters, 1908 {*nomen inquirendum* according to Stec *et al.* 2021a}
Macrobotus annewintersae Vecchi & Stec, 2021
Macrobotus ariekammensis Węglarska, 1965 [*Macrobotus adelges* Dastych, 1977]
Macrobotus artipharyngis Iharos, 1940 {*nomen dubium* according to Stec *et al.* 2021a}
Macrobotus ascensionis Richters, 1908 {*nomen inquirendum* according to Stec *et al.* 2021a}
Macrobotus azzunae Ben Marnissi, Cesari, Rebecchi & Bertolani, 2021
Macrobotus basiatus Nelson, Adkins Fletcher, Guidetti, Roszkowska, Grobys & Kaczmarek, 2020
Macrobotus biserovi Bertolani, Guidi & Rebecchi, 1996
Macrobotus brevipes Mihelčič, 1971/72 {*nomen inquirendum* according to Stec *et al.* 2021a}
Macrobotus caelestis Coughlan, Michalczyk & Stec, 2019
~~*Macrobotus caelicola* Kathman, 1990 {see *Diaforobiotus*}~~
Macrobotus canaricus Stec, Krzywański & Michalczyk, 2018
Macrobotus carsicus Maucci, 1954 {*nomen inquirendum* according to Stec *et al.* 2021a}
Macrobotus caymanensis Meyer, 2011
Macrobotus crenulatus Richters, 1904 [*Macrobotus dentatus* Binda, 1974]
Macrobotus crustulus Stec, Dudziak & Michalczyk, 2020
Macrobotus dariae Pilato & Bertolani, 2004
Macrobotus deceptor Meyer, Hinton, Gladney & Klumpp, 2017
Macrobotus denticulus Dastych, 2002
Macrobotus diversus Biserov, 1990
Macrobotus drakensbergi Dastych, 1993
Macrobotus dulciporus Roszkowska, Gawlak, Draga & Kaczmarek, 2019
Macrobotus echinogenitus Richters, 1903
Macrobotus engbergi Stec, Tumanov & Kristensen, 2020
Macrobotus evelinae de Barros, 1938 {*nomen inquirendum* according to Stec *et al.* 2021a}
~~*Macrobotus fureatus* Ehrenberg, 1859 [*nec Macrobotus fureatus* Murray, 1906] {Re-transferred from *Minibiotus* by Bertolani *et al.* 2014} {see *Minibiotus*}~~
Macrobotus gemmatus Bartoš, 1963 {*nomen inquirendum* according to Stec *et al.* 2021a}
Macrobotus glebkai Biserov, 1990
~~*Macrobotus grandis* Richters, 1911 {see *Sisubiotus*}~~
Macrobotus halophilus Fontoura, Rubal & Veiga, 2017
*Macrobotus hanna*e Nowak & Stec, 2018
Macrobotus hibiscus de Barros, 1942 {*nomen inquirendum* according to Stec *et al.* 2021a}
Macrobotus horningi Kaczmarek & Michalczyk, 2017
Macrobotus hufelandi C.A.S. Schultze, 1834 [*Macrobotus schultzei* Greeff, 1866 according to Marcus 1928]
Macrobotus humilis Binda & Pilato, 2001
Macrobotus hyperboreus Biserov, 1990
Macrobotus iharosi Pilato, Binda & Catanzaro, 1991
Macrobotus insignis Bartoš, 1963 {*nomen inquirendum* according to Stec *et al.* 2021a}
Macrobotus insularis Pilato, 2006
Macrobotus joannae Pilato & Binda, 1983
Macrobotus julianae (Meyer, 2012) <Transferred from *Minibiotus* by Stec *et al.* 2015>
Macrobotus kamilae Coughlan & Stec, 2019

Macrobotus kazmierskii Kaczmarek & Michalczyk, 2009
Macrobotus kirghizicus Tumanov, 2005
Macrobotus kolleri Mihelčič, 1951 {*nomen inquirendum* according to Stec *et al.* 2021a}
Macrobotus komareki Bartoš, 1939 {*nomen inquirendum* according to Stec *et al.* 2021a}
Macrobotus kristenseni Guidetti, Peluffo, Rocha, Cesari & Moly de Peluffo, 2013
Macrobotus kurasi Dastych, 1981
~~*Macrobotus lazzaroi* Maucci, 1986 [*Macrobotus spallanzanii* Maucci, 1973] {see *Minibiotus*}~~
Macrobotus lissostomus Durante Pasa & Maucci, 1979
Macrobotus longipes Mihelčič, 1971/72 {*nomen inquirendum* according to Stec *et al.* 2021a}
Macrobotus macrocalix Bertolani & Rebecchi, 1993
Macrobotus maculatus Iharos, 1973 <Amended and elevated to the species level by Kaczmarek & Michalczyk 2017>
Macrobotus madegassus Maucci, 1993
Macrobotus mandalae Pilato, 1974
Macrobotus margoae Stec, Vecchi & Bartels, 2021 in Stec *et al.* 2021b
Macrobotus marlenae Kaczmarek & Michalczyk, 2004
Macrobotus martini Bartels, Pilato, Lisi & Nelson, 2009
Macrobotus modestus Pilato & Lisi, 2009
Macrobotus naskreckii Bąkowski, Roszkowska, Gawlak & Kaczmarek, 2016
Macrobotus nebrodensis Pilato, Sabella, D'Urso & Lisi, 2017
Macrobotus nelsonae Guidetti, 1998
Macrobotus noemiae Roszkowska & Kaczmarek, 2019
Macrobotus noongaris Coughlan & Stec, 2019
Macrobotus norvegicus Mihelčič, 1971/72 {*nomen dubium* according to Stec *et al.* 2021a}
Macrobotus occidentalis occidentalis Murray, 1910
Macrobotus occidentalis striatus Dastych, 1974
Macrobotus ocotensis Pilato, 2006
Macrobotus ovidii Bartoš, 1937 {*nomen inquirendum* according to Stec *et al.* 2021a}
Macrobotus ovovillosus Baumann, 1960 {*nomen inquirendum* according to Stec *et al.* 2021a}
Macrobotus pallarii Maucci, 1954 [*Macrobotus 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}
Macrobotus papei Stec, Kristensen & Michalczyk, 2018
Macrobotus papillosus Iharos, 1963 {*nomen inquirendum* according to Stec *et al.* 2021a}
Macrobotus patagonicus Maucci, 1988
Macrobotus 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 porifini Kuzdrowska, Mioduchowska, Gawlak, Bartylak, A. Kepel, M. Kepel & Kaczmarek, 2021
Macrobotus porteri Rahm, 1931 {*nomen inquirendum* according to Stec *et al.* 2021a}
Macrobotus potockii Węglarska, 1968 {*nomen inquirendum* according to Stec *et al.* 2021a}
Macrobotus primitivae de Barros, 1942

Macrobiotus psephus du Bois-Reymond Marcus, 1944
~~*Macrobiotus pseudofureatus* Pilato, 1972 {see *Minibiotus*}~~
Macrobiotus pseudopallarii Stec, Vecchi & Michalczyk, 2021 in Stec *et al.* 2021b
Macrobiotus punctillus Pilato, Binda & Azzaro, 1990
Macrobiotus ragonesei Binda, Pilato, Moncada & Napolitano, 2001
Macrobiotus ramoli Dastych, 2005
Macrobiotus rawsoni Horning, Schuster & Grigarick, 1978 <Amended by Kaczmarek & Michalczyk 2017>
Macrobiotus recens Cuénot, 1932
Macrobiotus ripperi Stec, Vecchi & Michalczyk, 2021 in Stec *et al.* 2021b
Macrobiotus rollei Heinis, 1920 {*nomen inquirendum* according to Stec *et al.* 2021a}
Macrobiotus rubens Murray, 1907 {*nomen dubium* according to Stec *et al.* 2021a}
Macrobiotus rybaki Stec & Vecchi, 2021 in Vecchi & Stec 2021
Macrobiotus sandrae Bertolani & Rebecchi, 1993
Macrobiotus santoroi Pilato & D'Urso, 1976
Macrobiotus sapiens Binda & Pilato, 1984
Macrobiotus scoticus Stec, Morek, Gąsiorek, Blagden & Michalczyk, 2017
Macrobiotus semmelweisi Pilato, Binda & Lisi, 2006
Macrobiotus serratus Bertolani, Guidi & Rebecchi, 1996
Macrobiotus seychellensis Biserov, 1994
Macrobiotus shennongensis Yang, 1999 {*nomen dubium* according to Stec *et al.* 2021a}
Macrobiotus shonaicus Stec, Arakawa & Michalczyk, 2018
Macrobiotus sottilei Pilato, Kiosya, Lisi & Sabella, 2012
~~*Macrobiotus spectabilis* Thulin, 1928 {see *Sisubiotus*}~~
~~*Macrobiotus spertii* Ramazzotti, 1957 {see *Minibiotus*}~~
Macrobiotus striatus Mihelčič, 1949 {*nomen inquirendum* according to Stec *et al.* 2021a}
Macrobiotus terminalis Bertolani & Rebecchi, 1993
Macrobiotus terricola Mihelčič, 1951 {*nomen inquirendum* according to Stec *et al.* 2021a}
Macrobiotus tetraplacoides Fontoura, 1981 {*nomen inquirendum* according to Stec *et al.* 2021a}
Macrobiotus topali Iharos, 1969 {*nomen inquirendum* according to Stec *et al.* 2021a}
Macrobiotus trunovae Biserov, Pilato & Lisi, 2011
Macrobiotus virgatus Murray, 1910 {*nomen inquirendum* according to Stec *et al.* 2021a}
Macrobiotus vladimiri Bertolani, Biserov, Rebecchi & Cesari, 2011
Macrobiotus wandae Kayastha, Berdi, Miaduchowska, Gawlak, Łukasiewicz, Gołdyn & Kaczmarek, 2020
~~*Macrobiotus wuyishanensis* P. Zhang & X. Z. Sun, 2014 {see *Sisubiotus*}~~
Macrobiotus yunshanensis Yang, 2002 {*nomen dubium* according to Stec *et al.* 2021a}

Mesobiotus Vecchi, Cesari, Bertolani, Jönsson, Rebecchi & Guidetti, 2016a
Mesobiotus altitudinalis (Biserov, 1997/98) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>
Mesobiotus anastasiae Tumanov, 2020
Mesobiotus aradasi (Binda, Pilato & Lisi, 2005) <Transferred from *Macrobiotus* 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 datanlanicus Stec, 2019

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 dilimanensis Itang, Stec, Mapalo, Mirano-Bascos & Michalczyk, 2020

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 emiliae* Massa, Guidetti, Cesari, Rebecchi & Jönsson, 2021**

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

Mesobiotus ethiopicus Stec & Kristensen, 2017

Mesobiotus fiedleri Kaczmarek, Bartylak, Stec, Kulpa, M. Kepel, A. Kepel & Roszkowska, 2020

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 joenssoni Guidetti, Gneuss, Cesari, Altiero & Schill, 2019

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

Minibiotus R.O. Schuster, 1980 in Schuster *et al.* 1980

Minibiotus acontistus (de Barros, 1942)
Minibiotus aculeatus (Murray, 1910) [*Macrobotus 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 citlalium Dueñas-Cedillo & García-Román, 2020 in Dueñas-Cedillo *et al.* 2020
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 furcatus (Ehrenberg, 1859) [*nec Macrobotus furcatus* Murray, 1906] <Transferred to *Macrobotus* by Bertolani *et al.* 2014; re-transferred back to *Minibiotus* by Stec *et al.* 2021a>
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 ioculator Stec, Kristensen & Michalczyk, 2020

Minibiotus jonesorum Meyer, Lyons, Nelson & Hinton, 2011
Minibiotus julietae (de Barros, 1942)
Minibiotus keppelensis Claxton, 1998
Minibiotus lazzaroi (Maucci, 1986) [*Macrobiotus spallanzanii* Maucci, 1973] <Transferred from *Macrobiotus* by Stec *et al.* 2021a>
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 <Amended by Stec *et al.* 2020b>
Minibiotus pilatus Claxton, 1998
Minibiotus poricinatus Claxton, 1998
Minibiotus pseudofurcatus (Pilato, 1972) <Transferred from *Macrobiotus* by Stec *et al.* 2021a>
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 spertii (Ramazzotti, 1957) <Transferred from *Macrobiotus* by Stec *et al.* 2021a>
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 named *Paramacrobiotus* Guidetti *et al.*, 2009 and *Amicrobiotus* Marley *et al.*, 2018 by Kaczmarek *et al.* 2017 and Marley *et al.* 2018; The two subgenera are not valid according to Guidetti *et al.* 2019a}

Paramacrobiotus alekseevi (Tumanov, 2005) <Transferred from *Macrobiotus* by Guidetti *et al.* 2009; Stec *et al.* 2020e amended some characters >

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

Paramacrobiotus areolatus (Murray, 1907) <Transferred from *Macrobiotus* by Guidetti *et al.* 2009> <Amended by Stec *et al.* 2020c> [*Paramacrobiotus crenatus* (Maucci, 1991) <Transferred from *Macrobiotus* by Guidetti *et al.* 2009> synonymized by Stec *et al.* 2020c]

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

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

Paramacrobilotus centesimus (Pilato, 2000) <Transferred from *Macrobilotus* by Guidetti *et al.* 2009>

Paramacrobilotus chiergoi (Maucci & Durante Pasa, 1980) <Transferred from *Macrobilotus* by Guidetti *et al.* 2009>

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

Paramacrobilotus csotiensis (Iharos, 1966) <Transferred from *Macrobilotus* by Guidetti *et al.* 2009> <Amended by Kaczmarek *et al.* 2017>

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

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

Paramacrobilotus depressus Guidetti, Cesari, Bertolani, Altiero & Rebecchi, 2019

Paramacrobilotus derkai (Degma, Michalczyk & Kaczmarek, 2008) <Transferred from *Macrobilotus* by Guidetti *et al.* 2009>

Paramacrobilotus experimentalis Kaczmarek, Mioduchowska, Poprawa & Roszkowska, 2020 in Kaczmarek *et al.* 2020b

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

Paramacrobilotus filipi Dudziak, Stec & Michalczyk 2020 in Stec *et al.* 2020e

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

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

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

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

Paramacrobilotus huziori (Michalczyk & Kaczmarek, 2006) <Transferred from *Macrobilotus* by Guidetti *et al.* 2009>

Paramacrobilotus intii Kaczmarek, Cytan, Zawierucha, Diduszko & Michalczyk, 2014

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

Paramacrobilotus klymenki Pilato, Kiosya, Lisi & Sabella, 2012

Paramacrobilotus lachowskae Stec, Roszkowska, Kaczmarek & Michalczyk, 2018

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

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

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

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

Paramacrobilotus pius Lisi, Binda & Pilato, 2016

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

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.* 2019a>

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

Paramacrobilotus sagani Daza, Caicedo, Lisi & Quiroga, 2017

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

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

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

Paramacrobilotus spinosus Kaczmarek, Gawlak, Bartels, Nelson & Roszkowska, 2017

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

Paramacrobilotus tonollii (Ramazzotti, 1956) <Transferred from *Macrobilotus* by Guidetti *et al.* 2009>

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

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)

Sisubiotus Stec, Vecchi, Calhim & Michalczyk, 2021

Sisubiotus grandis (Richters, 1911) <Transferred from *Macrobilotus* by Stec *et al.* 2021a>

Sisubiotus spectabilis (Thulin, 1928) <Transferred from *Macrobilotus* by Stec *et al.* 2021a>

Sisubiotus wuyishanensis (P. Zhang & X.-Z. Sun, 2014) <Transferred from *Macrobilotus* by Stec *et al.* 2021a> {*species inquirenda* according to Stec *et al.* 2021a }

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 higginsii (Maucci, 1987) <Transferred from *Macrobiotus* by Pilato & Lisi 2011>
Tenuibiotus hyperonyx (Maucci, 1983) <Transferred from *Macrobiotus* 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 and Stec *et al.* 2020d>
Tenuibiotus willardi (Pilato, 1977) <Transferred from *Macrobiotus* by Pilato & Lisi 2011>
Tenuibiotus zandrae Stec, Tumanov & Kristensen, 2020

Xerobiotus Bertolani & Biserov, 1996

{Proposed to be suppressed by Stec *et al.* 2021a but considered still valid by Massa *et al.* 2021}
Xerobiotus euxinus Pilato, Kiosya, Lisi, Inshina & Biserov, 2011
Xerobiotus gretae Massa, Guidetti, Cesari, Rebecchi & Jönsson, 2021
Xerobiotus pseudohufelandi (Iharos, 1966) [*Macrobiotus inermis* Binda & Pilato, 1971]
Xerobiotus xerophilus (Dastyeh, 1978)

Family: Murrayidae Guidetti, Rebecchi & Bertolani, 2000

Dactylobiotus R.O. Schuster, 1980 in Schuster *et al.* 1980

Dactylobiotus ambiguus (Murray, 1907)
Dactylobiotus ampullaceus (Thulin, 1911)
Dactylobiotus aquatilis Yang, 1999 {*nomen dubium* according to Pogwizd & Stec 2020}
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 {*nomen dubium* according to Pogwizd & Stec 2020}
Dactylobiotus kansae Beasley, Miller & Shively, 2009 {*nomen dubium* according to Pogwizd & Stec 2020}
Dactylobiotus lombardoi Binda & Pilato, 1999
Dactylobiotus luci Kaczmarek, Michalczyk & Eggermont, 2008
Dactylobiotus macronyx (Dujardin, 1851) {*nomen dubium* according to Pogwizd & Stec 2020}
Dactylobiotus octavi Guidetti, Altiero & Hansen, 2006
Dactylobiotus ovimutans Kihm, Kim, McInnes, Zawierucha, Rho, Kang & Park, 2020
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, Schill, Giovannini, Massa, Goldoni, Ebel, Förschler, Rebecchi & Cesari, 2021

[Richtersiidae Guidetti, Rebecchi, Bertolani, Jönsson, Kristensen & Cesari, 2016]

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

Diaforobiotus caelicola (Kathman, 1990) <Transferred from *Macrobotus* by Stec *et al.* 2021a>

Diaforobiotus islandicus islandicus (Richters, 1904) [*Macrobotus ruffoi* Maucci, 1973]

<Transferred from *Macrobotus* by Guidetti *et al.* 2016>

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

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

Richtersius coronifer (Richters, 1903) <Amended by Stec *et al.* 2020a; A new neotype designated by Stec & Michalczyk 2020>

Richtersius ziemowiti Kayastha, Berdi, Miaduchowska, Gawlak, Łukasiewicz, Gołdyn, Jędrzejewski & Kaczmarek, 2020

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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