

Actual checklist of Tardigrada species (2009-2020, 37th Edition: 08-07-2020)

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Introduction

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

If you also use these changes, please also cite this checklist (Degma, P., Bertolani, R. & Guidetti, R. **Actual checklist of Tardigrada species.** 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 31 families, 151 genera, 1340 species and 34 additional subspecies included in the checklist.

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

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Checklist of Tardigrada

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

Phylum: TARDIGRADA Doyère, 1840

Class: HETEROTARDIGRADA Marcus, 1927

Order: ARTHROTARDIGRADA Marcus, 1927

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

Family: Coronarctidae Renaud-Mornant, 1974

Coronarctus Renaud-Mornant, 1974

- Coronarctus disparilis* Renaud-Mornant, 1987
Coronarctus 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.* 2016>

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

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

Dipodarctus anaholiensis Pollock, 1995
Dipodarctus australiensis Jørgensen, Boesgaard, Møbjerg & Kristensen, 2014
Dipodarctus borrori Pollock, 1995 [*Hemitanarctus chimaera* de Zio Grimaldi, D'Addabbo Gallo, Morone De Lucia & Troccoli, 1995/96 according to de Zio Grimaldi *et al.* 2003]
Dipodarctus subterraneus (Renaud-Debyser, 1959)
Dipodarctus susannae Jørgensen, Boesgaard, Møbjerg & Kristensen, 2014

Subfamily: Euclavarctinae Renaud-Mornant, 1983

Clavarctus Renaud-Mornant, 1983
Clavarctus falculus Renaud-Mornant, 1983

Euclavarctus Renaud-Mornant, 1975
<Amended by Renaud-Mornant 1983>
Euclavarctus convergens Renaud-Mornant, 1983
Euclavarctus thieli Renaud-Mornant, 1975

Exoclavarctus Renaud-Mornant, 1983
Exoclavarctus dineti Renaud-Mornant, 1983

Moebjergarctus Bussau, 1992
Moebjergarctus clarionclippertonensis Bai, X. Wang, Zhou, Lin, Meng & Fontoura, 2020
Moebjergarctus manganis Bussau, 1992

Parmursa Renaud-Mornant, 1984
Parmursa fimbriata Renaud-Mornant, 1984
Parmursa torquata Hansen, 2007

Proclavarctus Renaud-Mornant, 1983

Proclavarctus fragilis Renaud-Mornant, 1983

Subfamily: Florarctinae Renaud-Mornant, 1982

<Amended by Kristensen 1984>

Florarctus Delamare Deboutteville & Renaud-Mornant, 1965

Florarctus acer Renaud-Mornant, 1989

Florarctus antillensis Van der Land, 1968

Florarctus asper Renaud-Mornant, 1989

Florarctus cervinus Renaud-Mornant, 1987

Florarctus cinctus Renaud-Mornant, 1976

Florarctus glareolus Noda, 1987

Florarctus heimi Delamare Deboutteville & Renaud-Mornant, 1965

Florarctus hulingsi Renaud-Mornant, 1976

Florarctus kwoni Chang & Rho, 1997

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

Florarctus salvati Delamare Deboutteville & Renaud-Mornant, 1965

Florarctus stellatus Renaud-Mornant, 1989

Florarctus vulcanius Renaud-Mornant, 1987

Florarctus wunai Fujimoto, 2015

Ligiarctus Renaud-Mornant, 1982

<Amended by Gomes-Júnior *et al.* 2017>

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

Ligiarctus eastwardi Renaud-Mornant, 1982

Wingstrandarctus Kristensen, 1984

Wingstrandarctus corallinus Kristensen, 1984

Wingstrandarctus crypticus Renaud-Mornant, 1989

Wingstrandarctus intermedius (Renaud-Mornant, 1967) <Amended by Renaud-Mornant 1989>

Wingstrandarctus stinae Jørgensen, Boesgaard, Møbjerg & Kristensen, 2014

Wingstrandarctus unsculptus Jørgensen, Boesgaard, Møbjerg & Kristensen, 2014

Subfamily: Halechiniscinae Thulin, 1928

<Amended by Grimaldi de Zio *et al.* 1990>

Chrysoarctus Renaud-Mornant, 1984

Chrysoarctus briandi Renaud-Mornant, 1984

Chrysoarctus flabellatus (Grimaldi de Zio, D'Addabbo Gallo, Morone De Lucia, Vaccarella & Grimaldi, 1982)

Halechiniscus Richters, 1908

Halechiniscus chafarinensis Grimaldi de Zio & Villora Moreno, 1995

Halechiniscus churakaagii Fujimoto, 2015

Halechiniscus greveni Renaud-Mornant & Deroux, 1976

Halechiniscus guiteli Richters, 1908

Halechiniscus jejuensis Chang & Rho, 2002
Halechiniscus macrocephalus Grimaldi de Zio, D'Addabbo Gallo & Morone De Lucia, 1988
Halechiniscus paratuleari Grimaldi de Zio, D'Addabbo Gallo & Morone De Lucia, 1988
Halechiniscus perfectus Schulz, 1955
Halechiniscus remanei remanei Schulz, 1955
Halechiniscus remanei antillensis Renaud-Mornant, 1984
Halechiniscus tuleari Renaud-Mornant, 1979
Halechiniscus yanakaagii Fujimoto, 2015

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

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

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

Orzeliscus du Bois-Reymond Marcus, 1952
Orzeliscus asiaticus Lee, Rho & Chang, 2017
Orzeliscus belopus du Bois-Reymond Marcus, 1952 [*Orzeliscus septentrionalis* Schulz, 1953 according to Pollock 1982]

Paradoxipus Kristensen & Higgins, 1989
<Transferred from *Halechiniscinae* by Gross *et al.* 2014>
Paradoxipus orzeliscoides Kristensen & Higgins, 1989

Subfamily: Quisarctinae Fujimoto, 2015

Quisarctus Fujimoto, 2015
Quisarctus yasumurai Fujimoto, 2015

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

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

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

Neostygarctus Grimaldi de Zio, D'Addabbo Gallo & Morone De Lucia, 1982
<Transferred from Neostygarctidae into Stygarctidae by Hansen *et al.* 2012; re-transferred by Kristensen *et al.* 2015>
Neostygarctus acanthophorus Grimaldi de Zio, D'Addabbo Gallo & Morone De Lucia, 1982
Neostygarctus grossmeteori Tchesunov, 2018
Neostygarctus lovedeluxe Fujimoto & Miyazaki, 2013 {species described in Neostygarctidae by

Fujimoto & Miyazaki 2013}
Neostygarctus oceanopolis Kristensen, Sørensen, Hansen & Zeppilli, 2015

Family: Renaudarctidae Kristensen & Higgins, 1984
<Amended by Hansen *et al.* 2012> <Amended by Fujimoto & Yamasaki 2017>

Nodarctus Fujimoto & Yamasaki, 2017
Nodarctus hallucis Fujimoto & Yamasaki, 2017

Renaudarctus Kristensen & Higgins, 1984
<Amended by Hansen *et al.* 2012>
Renaudarctus fossorius Hansen, Kristensen & Jørgensen, 2012
Renaudarctus psammocryptus Kristensen & Higgins, 1984

Family: Stygarctidae Schulz, 1951
<Amended by Hansen *et al.* 2012>

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

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

Subfamily: Stygarctinae Schulz, 1951

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

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

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

Parastygarctus Renaud-Debyser, 1965
<Amended by Hansen *et al.* 2012>
Parastygarctus biungulatus Morone De Lucia, Grimaldi de Zio & D'Addabbo Gallo, 1984
Parastygarctus 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 svennevigii 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 triangulatus 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 lambertii Grimaldi de Zio, D'Addabbo Gallo, Morone De Lucia & Daddabbo, 1987

Stygarctus spinifer Hiruta, 1985

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

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

Angursa Pollock, 1979

<Amended by Fujimoto & Hansen 2019>

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

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

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

Angursa capsula Bussau, 1992

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

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

Angursa lingua Bussau, 1992

Angursa seisuimaruae Fujimoto & Hansen, 2019

Bathychiniscus Steiner, 1926

Bathychiniscus 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 jesperi Jørgensen, Boesgaard, Møbjerg & Kristensen, 2014

Raiarctus katrinae Jørgensen, Boesgaard, Møbjerg & Kristensen, 2014

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

Rhomboarctus Renaud-Mornant, 1984

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

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

Rhomboarctus thomassini Renaud-Mornant, 1984

Styraconyx Thulin, 1942

Styraconyx craticuliformis Chang & Rho, 1998

Styraconyx craticulus (Pollock, 1983)

Styraconyx hallasi Kristensen, 1977

Styraconyx haploceros Thulin, 1942

Styraconyx kristenseni kristenseni Renaud-Mornant, 1981

Styraconyx kristenseni neocaledonensis Renaud-Mornant, 1981

Styraconyx nanoqsunguak Kristensen & Higgins, 1984

Styraconyx paulae Robotti, 1971

Styraconyx qivitoq Kristensen & Higgins, 1984

Styraconyx 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

Tetrakentron Cuénot, 1892

Tetrakentron synaptae Cuénot, 1892

Tholoarctus Kristensen & Renaud-Mornant, 1983

<Amended by Jørgensen *et al.* 2014>

Tholoarctus natans natans Kristensen & Renaud-Mornant, 1983

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

Tholoarctus oleseni Jørgensen, Boesgaard, Møbjerg & Kristensen, 2014

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

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

Actinarctus Schulz, 1935

Actinarctus doryphorus doryphorus Schulz, 1935

Actinarctus doryphorus ocellatus Renaud-Mornant, 1971

Actinarctus lyrophorus Renaud-Mornant, 1979

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

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

Tanarctus Renaud-Debyser, 1959

Tanarctus arborspinosus Lindgren, 1971

Tanarctus bubulubus Jørgensen & Kristensen, 2001

Tanarctus dendriticus Renaud-Mornant, 1980

Tanarctus diplocerus Fujimoto, Miyazaki & Suzuki, 2013

Tanarctus gracilis Renaud-Mornant, 1980

Tanarctus helleouetae Renaud-Mornant, 1984

Tanarctus heterodactylus Renaud-Mornant, 1980

Tanarctus hirsutospinosus Jørgensen, Boesgaard, Møbjerg & Kristensen, 2014

Tanarctus ittanmomen Fujimoto, 2018

Tanarctus longisetosus Grimaldi de Zio, D'Addabbo Gallo, Morone De Lucia, Vaccarella & Grimaldi, 1982

Tanarctus minotauricus Renaud-Mornant, 1984

Tanarctus ramazzottii Renaud-Mornant, 1975

Tanarctus tauricus Renaud-Debyser, 1959

Tanarctus velatus McKirdy, Schmidt & McGinty-Bayly, 1976

Zioella Renaud-Mornant, 1987

Zioella pavonina Renaud-Mornant, 1987

Order: ECHINISCOIDEA Richters, 1926

Family: Echiniscoididae Kristensen & Hallas, 1980

<Amended by Møbjerg *et al.* 2019>

Subfamily: Echiniscoidinae Kristensen & Hallas, 1980

~~[not explicitly defined by Møbjerg *et al.* (2016) who erected the Isoechiniscoidinae within Echiniscoididae]~~

~~<Amended by Møbjerg *et al.* 2019>~~

~~*Anisonyches* Pollock, 1975 (see Anisonychidae)~~

~~<Amended by Bartels *et al.* 2018>~~

~~*Anisonyches deliquus* Chang & Rho, 1998~~

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

~~*Anisonyches eleutherensis* Bartels, Fontoura & Nelson, 2018~~

~~*Anisonyches mauritianus* Grimaldi de Zio, D'Addabbo Gallo, Morone De Lucia & Daddabbo, 1987~~

Echiniscoides Plate, 1888

Echiniscoides andamanensis Chang & Rho, 1998

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

Echiniscoides hoepneri Kristensen & Hallas, 1980

~~*Echiniscoides horningi* Miller & Kristensen, 1999 {see *Neoechiniscoides*}~~

~~*Echiniscoides pollocki* Hallas & Kristensen, 1982 {see *Neoechiniscoides*}~~

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 higginsii (Hallas & Kristensen, 1982) <Transferred from *Echiniscoides* by Møbjerg *et al.* 2016>

Isoechiniscoides sifae Møbjerg, Kristensen & Jørgensen, 2016

Family: Carphaniidae Binda & Kristensen, 1986

Carphania Binda, 1978

Carphania fluviatilis Binda, 1978

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

Oreella Murray, 1910

Oreella chugachii Calloway, Miller, Johansson & Whiting, 2011

Oreella mollis Murray, 1910 [*Oreella minor* Ramazzotti, 1964]

Oreella vilucensis Rahm, 1931 *species inquirenda* [*Oreella bonnensis* Rahm, 1932]

Family: Echiniscidae Thulin, 1928

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

~~{Guil *et al.* 2019 proposed subfamily Echiniscinae Thulin, 1928 which was later suppressed by Gąsiorek & Michalczyk 2020b}~~

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

~~{Guil *et al.* 2019 proposed tribe Echiniscini Thulin, 1928 which was later suppressed by Gąsiorek & Michalczyk 2020b}~~

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*e (Roszkowska, Gawlak, Draga & Kaczmarek, 2019) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d>

Barbaria jenningsi (Dastyh, 1984) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d>

*Barbaria madonna*e (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 (Dastyh, 1984) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d>

Barbaria ranzii (Ramazzotti, 1964) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d>

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

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

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>

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

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

Diploechiniscus oihonnae (Richters, 1903) [*Echiniscus multispinosus* da Cunha, 1944 according to Vicente et al. 2013]

Echiniscus C.A.S. Schultze, 1840

<Amended by Gąsiorek et al. 2017b>

Echiniscus africanus Murray, 1907

Echiniscus aliquantillus Grigarick, Schuster & Nelson, 1983

Echiniscus angolensis da Cunha & do Nascimento Ribeiro, 1964

Echiniscus apuanus M. Bertolani, 1946

Echiniscus arcangelii Maucci, 1973-74

Echiniscus arctomys Ehrenberg, 1853 <nomen inquirendum according to Gąsiorek et al. 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 dariae Kaczmarek & Michalczyk, 2010 { see *E. lineatus* }
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 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 marcusii 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 Gąsiorek *et al.* 2017b>
Echiniscus montanus Iharos, 1982
Echiniscus mosaicus Grigarick, Schuster & Nelson, 1983
Echiniscus murrayi Iharos, 1969
Echiniscus nelsonae X. Li, L. Wang & Yu, 2007
Echiniscus nepalensis Dastych, 1975
Echiniscus nigripustulus Horning, Schuster & Grigarick, 1978
Echiniscus ornamentatus Gąsiorek & Kristensen, 2018
Echiniscus osellai Maucci, 1975
Echiniscus pajstunensis Bartoš, 1941
Echiniscus 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 scabrospinosus Fontoura, 1982 <Amended by Pilato *et al.* 2008b>
Echiniscus semifoveolatus Ito, 1993
Echiniscus shaanxiensis X. Li, L. Wang & Yu, 2007
Echiniscus siegristi Heinis, 1911
Echiniscus siticulosus Gąsiorek & Michalczyk, 2019
Echiniscus speciosus Mihelčič, 1967 [*Echiniscus roseus* Mihelčič, 1967] <species dubia according to Gąsiorek *et al.* 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. Schultz, 1840; *Echiniscus inermis* Richters, 1902; *Echiniscus trifilis* Rahm, 1921; *Echiniscus testudo quadrifilis* by Gąsiorek *et al.* 2017b; *Echiniscus filamentosus* Plate, 1888 by Gąsiorek *et al.* 2017b; *Echiniscus glaber* Bartoš, 1937 by Gąsiorek *et al.* 2017b]

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

Echiniscus tristis Gąsiorek & Kristensen, 2018

Echiniscus trojanus Maucci, 1973

Echiniscus tropicalis Binda & Pilato, 1995

Echiniscus tympanista Murray, 1911

Echiniscus velaminis Murray, 1910

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

Echiniscus weisseri Maucci, 1978

Echiniscus zetotrymus Horning, Schuster & Grigarick, 1978

Hypechiniscus Thulin, 1928

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

Hypechiniscus fengi X.-Z. Sun & X. Li, 2013

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

Hypechiniscus gladiator bigladii (Iharos, 1973)

Hypechiniscus gladiator fissigladii (Iharos, 1973)

Hypechiniscus gladiator spinulosa (Iharos, 1973)

Hypechiniscus papillifer (Robotti, 1972)

Kristenseniscus Gąsiorek, Morek, Stec & Michalczyk, 2019

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

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

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

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

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

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 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 mihelcici (Iharos, 1973) <species dubia according to Gąsiorek *et al.* 2019d>

<Transferred from *Echiniscus* by Gąsiorek et al. 2019d> {see *Nebularmis reticulatus*}
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>

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 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>

Tribe: Bryodelphaxini Guil, Jørgensen & Kristensen, 2019
{Guil et al. 2019 proposed tribe Bryodelphaxini Guil, Jørgensen & Kristensen, 2019 which was

later suppressed by Gąsiorek & Michalczyk 2020b}

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, 2020

Bryodelphax brevidentatus Kaczmarek, Michalczyk & Degma, 2005

Bryodelphax crossotus Grigarick, Schuster & Nelson, 1983

Bryodelphax decoratus Gąsiorek, Vončina, Degma & Michalczyk, 2020

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.* 2020

Bryodelphax olszanowskii Kaczmarek, Parnikoza, Gawlak, Esefeld, Peter, Kozeretska & Roszkowska, 2017⁷⁸

Bryodelphax ortholineatus (Bartoš, 1963)

Bryodelphax parvulus Thulin, 1928

Bryodelphax parvuspolaris Kaczmarek, Zawierucha, Smykla & Michalczyk, 2012

Bryodelphax sinensis (Pilato, 1974)

Bryodelphax tatrensis (Węglarska, 1959)

Bryodelphax weglarskae (Pilato, 1972)

~~Subfamily: Pseudechiniscinae Guil, Jørgensen & Kristensen, 2019~~

~~{ Guil *et al.* 2019 proposed subfamily Pseudechiniscinae Guil, Jørgensen & Kristensen, 2019 which was later suppressed by Gąsiorek & Michalczyk 2020b }~~

~~Tribe: Cornechiniscini Guil, Jørgensen & Kristensen, 2019~~

~~{ Guil *et al.* 2019 proposed tribe Cornechiniscini Guil, Jørgensen & Kristensen, 2019 which was 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>

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 (Dastych, 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>

Proechiniscus Kristensen, 1987

Proechiniscus hanneae (Petersen, 1951)

Tribe: Pseudechiniscini Guil, Jørgensen & Kristensen, 2019
{ Guil *et al.* 2019 proposed tribe Pseudechiniscini Guil, Jørgensen & Kristensen, 2019 which was later suppressed by Gąsiorek & Michalczyk 2020b }

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

Pseudechiniscus Thulin, 1911

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

Pseudechiniscus alberti Dastych, 1987

Pseudechiniscus angelusalas Roszkowska, Grobys, Bartylak & Kaczmarek, 2020 in Roszkowska *et al.* 2020

Pseudechiniscus asper Abe, Utsugi & Takeda, 1998

Pseudechiniscus bartkei Węglarska, 1962
Pseudechiniscus beasleyi X. Li, L. Wang & Yu, 2007
Pseudechiniscus bidenticulatus Bartoš, 1963
Pseudechiniscus bispinosus (Murray, 1907)
Pseudechiniscus brevimontanus Kendall-Fite & Nelson, 1996
Pseudechiniscus chengi Xue, X. Li, L. Wang, Xian, Chen, 2017
Pseudechiniscus clavatus Mihelčič, 1955
Pseudechiniscus conifer (Richters, 1904)
Pseudechiniscus dastychi Roszkowska, Grobys, Bartylak & Kaczmarek, 2020 in Roszkowska *et al.* 2020
Pseudechiniscus dicrani Mihelčič, 1938
Pseudechiniscus ehrenbergi Roszkowska, Grobys, Bartylak & Kaczmarek, 2020 in Roszkowska *et al.* 2020
Pseudechiniscus facettalis Petersen, 1951 [*Pseudechiniscus pseudoconifer facettalis* Maucci, 1954]
Pseudechiniscus gullii Pilato & Lisi, 2006
Pseudechiniscus indistinctus Roszkowska, Grobys, Bartylak & Kaczmarek, 2020 in Roszkowska *et al.* 2020
Pseudechiniscus insolitus Maucci, 1991
Pseudechiniscus jiroveci Bartoš, 1963 {*nomen dubium* according to Tumanov 2020a}
Pseudechiniscus juanita de Barros, 1939 [*Pseudechiniscus suillus franciscae* de Barros, 1942]
Pseudechiniscus jubatus Biserov, 1990
Pseudechiniscus lacyformis Roszkowska, Grobys, Bartylak & Kaczmarek, 2020 in Roszkowska *et al.* 2020
Pseudechiniscus marinae Bartoš, 1934 [*Pseudechiniscus novaezeelandiae marinae* Bartoš, 1934 raised to species rank by Tumanov 2020a]
Pseudechiniscus megacephalus Mihelčič, 1951
Pseudechiniscus nataliae Biserov & Maucci, 1986
Pseudechiniscus novaezeelandiae novaezeelandiae (Richters, 1908)
Pseudechiniscus novaezeelandiae forma *aspinosa* Iharos, 1963 {*nomen dubium* according to Tumanov 2020a}
Pseudechiniscus novaezeelandiae forma *dorsospinosa* Iharos, 1963 {*nomen dubium* according to Tumanov 2020a}
Pseudechiniscus novaezeelandiae forma *laterospinosa* Iharos, 1963 {*nomen dubium* according to Tumanov 2020a}
~~*Pseudechiniscus novaezeelandiae marinae* Bartoš, 1934~~ {see *P. marinae*}
Pseudechiniscus occultus Dastych, 1980
Pseudechiniscus papillosus X. Li, L. Wang, Liu & Su, 2005
Pseudechiniscus pilato X. Li, 2007
Pseudechiniscus pseudoconifer Ramazzotti, 1943
Pseudechiniscus pulcher (Murray, 1910)
Pseudechiniscus quadrilobatus Iharos, 1969
Pseudechiniscus ramazzottii ramazzottii Maucci, 1952
Pseudechiniscus ramazzottii facettalis Iharos, 1964 [*Pseudechiniscus ramazzottii lineatus* Maucci, 1973-74]
Pseudechiniscus santomensis Fontoura, Pilato & Lisi, 2010
Pseudechiniscus scortecii Franceschi, 1952

Pseudechiniscus shilinensis Yang, 2002
Pseudechiniscus spinerectus Pilato, Binda, Napolitano & Moncada, 2001
Pseudechiniscus suillus (Ehrenberg, 1853) [*Echiniscus mutabilis* Murray, 1905] <Amended by Grobys *et al.* 2020>
Pseudechiniscus titianae Vecchi, Cesari, Bertolani, Jönsson, Rebecchi & Guidetti, 2016a
Pseudechiniscus transsylvanicus Iharos, 1936
Pseudechiniscus xiai L. Wang, Xue & X. Li, 2018
Pseudechiniscus yunnanensis L. Wang, 2009

~~Tribe: Anthechiniscini Guil, Jørgensen & Kristensen, 2019~~
{Guil *et al.* 2019 proposed tribe Anthechiniscini Guil, Jørgensen & Kristensen, 2019 which was later suppressed by Gąsiorek & Michalczyk 2020b}

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

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

~~Subfamily: Parechiniscinae Guil, Jørgensen & Kristensen, 2019~~
{Guil *et al.* 2019 proposed subfamily Parechiniscinae Guil, Jørgensen & Kristensen, 2019 which was later suppressed by Gąsiorek & Michalczyk 2020b}

~~Tribe: Novechiniscini Guil, Jørgensen & Kristensen, 2019~~
{Guil *et al.* 2019 proposed tribe Novechiniscini Guil, Jørgensen & Kristensen, 2019 which was later suppressed by Gąsiorek & Michalczyk 2020b}

Novechiniscus Kristensen, 1987
Novechiniscus armadilloides (R.O. Schuster, 1975)

~~Tribe: Parechiniscini Guil, Jørgensen & Kristensen, 2019~~
{Guil *et al.* 2019 proposed tribe Parechiniscini Guil, Jørgensen & Kristensen, 2019 which was later suppressed by Gąsiorek & Michalczyk 2020b}

Parechiniscus Cuénot, 1926
Parechiniscus chitonides Cuénot, 1926
Parechiniscus unispinosus da Cunha, 1947

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

Order: THERMOZODIA Ramazzotti & Maucci, 1983

Family: Thermoziidae Rahm, 1937

Thermozodium Rahm, 1937

Thermozodium esakii Rahm, 1937

Class: APOTARDIGRADA Guil, Jørgensen & Kristensen, 2019

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

Family: Milnesiidae Ramazzotti, 1962

Bergtrollus Dastych, 2011

Bergtrollus dzimbowski Dastych, 2011

Limmenius Horning, Schuster & Grigarick, 1978

Limmenius porcellus Horning, Schuster & Grigarick, 1978

Milnesioides Claxton, 1999

Milnesioides exsertum Claxton, 1999

Milnesium Doyère, 1840

Milnesium alabamae Wallendorf & Miller, 2009

Milnesium almatyense Tumanov, 2006

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

Milnesium antarcticum Tumanov, 2006

Milnesium argentinum Roszkowska, Ostrowska & Kaczmarek, 2015

Milnesium asiaticum Tumanov, 2006

Milnesium barbadosense Meyer & Hinton, 2012

Milnesium beasleyi Kaczmarek, Jakubowska & Michalczyk, 2012

Milnesium beatae Roszkowska, Ostrowska & Kaczmarek, 2015

Milnesium berladnicorum Ciobanu, Zawierucha, Moglan & Kaczmarek, 2014

Milnesium bohleberi Bartels, Nelson, Kaczmarek & Michalczyk, 2014

Milnesium brachyungue Binda & Pilato, 1990

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

Milnesium 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 euryostomum Maucci, 1991 <Amended by Michalczyk *et al.* 2012>

Milnesium granulatum Ramazzotti, 1962 <Amended and elevated to the species level by Michalczyk *et al.* 2012>

Milnesium inceptum Morek, Suzuki, Schill, Georgiev, Yankova, Marley & Michalczyk, 2019

Milnesium jacobi 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 pseudotardigradum Surmacz, Morek & Michalczyk, 2019
Milnesium quadrifidum Nederström, 1919 {valid according to Morek *et al.* 2016}
Milnesium reductum Tumanov, 2006
Milnesium reticulatum Pilato, Binda & Lisi, 2002
Milnesium sandrae Pilato & Lisi, 2016
Milnesium shilohae Meyer, 2015
Milnesium 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 zsalakoe Meyer & Hinton, 2010

Class: EUTARDIGRADA Richters, 1926

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

Order: EOHYPSIBIOIDEA Guil, Jørgensen & Kristensen, 2019

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

Family: Eohypsibiidae Bertolani & Kristensen, 1987

<Amended by Trygvadóttir & Kristensen 2011>

[Amphibolidae Bertolani, 1981]

Austeruseus Trygvadóttir & Kristensen, 2011

Austeruseus balduri Trygvadóttir & Kristensen 2011

Austeruseus faeroensis Trygvadóttir & Kristensen 2011

Austeruseus rokuri Trygvadóttir & Kristensen 2011

Bertolanus Özdikmen, 2008

<Amended by Trygvadóttir & Kristensen 2011>

[*Amphibolus* Bertolani, 1981 in Özdikmen 2008]

Bertolanus birnae Hansen, Kristensen, Bertolani & Guidetti, 2016

Bertolanus mahunkai (Iharos, 1971)

Bertolanus markevichi (Biserov, 1992)

Bertolanus nebulosus (Dastych, 1983)

Bertolanus portucalensis Fontoura, Pilato, Lisi & Morais, 2009

Bertolanus smreczynskii (Węglarska, 1970)

Bertolanus volubilis (Durante Pasa & Maucci, 1975)

Bertolanus weglarskae (Dastych, 1972)

Eohypsibius Kristensen, 1982

<Amended by Trygvadóttir & Kristensen 2011>

Eohypsibius nadjae Kristensen, 1982

Eohypsibius terrestris Ito, 1988

Order: HYPYSIBIOIDEA Guil, Jørgensen & Kristensen, 2019

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

Family: Calohypsibiidae Pilato, 1969

<Amended by Bertolani *et al.* 2014>

<Amended by Gąsiorek *et al.* 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>

<Amended by Gąsiorek *et al.* 2018a>

Subfamily: Diphasconinae Dastych, 1992

<Amended by Bertolani *et al.* 2014>

<Amended 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 higginsi 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 & Quattieri, 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, 2017⁸
Diphascon punctatum (Iharos, 1962)
Diphascon puniceum (Jennings, 1976)
Diphascon rivulare (Mihelčič, 1967)
Diphascon rudnickii Kaczmarek, Parnikoza, Gawlak, Esefeld, Peter, Kozeretska & Roszkowska, 2017⁸
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 zaniiewi 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, 2017⁷⁸
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 janetscheki* Ramazzotti, 1968 {see *Cryobiotus*}~~
~~*Hypsibius klebelsbergi* Mihelčič, 1959 {see *Cryobiotus*}~~
Hypsibius kunmingensis Yang, 2002
Hypsibius macrocalcaratus Beasley, 1988
Hypsibius maculatus Iharos, 1969
Hypsibius marcelli Pilato, 1990
Hypsibius microps Thulin, 1928 <Amended by Kaczmarek & Michalczyk 2009>
Hypsibius montanus Iharos, 1940 [*Hypsibius iharosi* Bartoš, 1941]
Hypsibius morikawai Ito, 1995
Hypsibius multituberculatus Pilato, Binda & Lisi, 2003
Hypsibius murrayi (Richters, 1907) <Redescribed by Dastych 2018> [*Hypsibius heardensis* Miller, McInnes & Bergstrom, 2005 according to Dastych 2018]
Hypsibius novaezeelandiae Pilato & Binda, 1997
Hypsibius pachyunguis Maucci, 1996
Hypsibius pallidus Thulin, 1911 <Amended by Kaczmarek & Michalczyk 2009>
~~*Hypsibius pallidoides* Pilato, Kiosya, Lisi, Inshina & Biserov, 2014 {see *Notahypsibius*}~~
Hypsibius pedrottii Bertolani, Manicardi & Gibertoni, 1987
Hypsibius pradellii Bertolani & Rebecchi, 1996
Hypsibius ragonesei Binda & Pilato, 1985
Hypsibius roanensis Nelson & McGlothlin, 1993

Hypsibius runae Bartoš, 1941
~~*Hypsibius scaber* Maucci, 1987~~ {see *Notahypsibius*}
Hypsibius scabropygus Cuénot, 1929
Hypsibius septulatus Pilato, Binda, Napolitano & Moncada, 2004
Hypsibius seychellensis Pilato, Binda & Lisi, 2006
Hypsibius shaanxiensis H. Li & X. Li, 2008
Hypsibius stiliferus Abe, 2004
~~*Hypsibius thaleri* Dastych, 2004~~ {see *Cryobiotus*}
Hypsibius valentinae Pilato, Kiosya, Lisi & Sabella, 2012
Hypsibius vaskelae Tumanov, 2018

Subfamily: Itaquasconinae Bartoš in Rudescu, 1964

<Amended by Bertolani *et al.* 2014>

<Amended 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 arduifrons* (Thulin, 1928)~~ {see *Guidettion*}

Adropion behanae (Dastych, 1987)

Adropion belgicae (Richters, 1911) [*Fujiscon diphasconiellum* Ito, 1991] <Amended by Bernard
1977>

~~*Adropion carolae* (Binda & Pilato, 1969)~~ {see *Guidettion*}

~~*Adropion clavatum* (Bartoš, 1935)~~ {see *Guidettion*}

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 marcusii (Rudescu, 1964) *species dubia* <Transferred from *Mesocrista* by Gąsiorek *et al.* 2016> {for taxonomic status of the species see Gąsiorek *et al.* 2016}

Adropion mauccii (Dastych & McInnes, 1996)

~~*Adropion modestum* (Binda, Pilato & Dastych, 1984)~~ {see *Guidettion*}

~~*Adropion montigenum* (Pilato & Dastych, 1974)~~ {see *Guidettion*}

Adropion onorei (Pilato, Binda, Napolitano & Moncada, 2002)

~~*Adropion prorsirostre* (Thulin, 1928)~~ {see *Guidettion*}

Adropion scoticum scoticum (Murray, 1905) [*Diphascon crozetense* Richters, 1907]

Adropion scoticum ommatophorum (Thulin, 1911)

Adropion scoticum qinlingensis (X. Li & Liu, 2005)

Adropion tricuspdatum (Binda & Pilato, 2000)

Adropion triodon (Maucci, 1996)

~~*Adropion vexatum* Pilato, Sabella, D'Urso & Lisi, 2017~~ {see *Guidettion*}

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 *Diphascaoninae* 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>

Itaquascon biserovi Pilato, Binda & Moncada, 1999

Itaquascon cambewarrensense Pilato, Binda & Claxton, 2002

Itaquascon enckelli (Mihelčič, 1971/72)

Itaquascon globuliferum Abe & Ito, 1994 {see *Raribius*}

Itaquascon mongolicus Kaczmarek, Michalczyk & Węglarska, 2002

Itaquascon pawlowskii Węglarska, 1973 {see *Raribius*}

Itaquascon pilatoi Lisi, Londoño & Quiroga, 2014

Itaquascon pisoniae Pilato & Lisi, 2009

Itaquascon placophorum Maucci, 1973

Itaquascon simplex (Mihelčič, 1971)

Itaquascon umbellinae de Barros, 1939

Itaquascon unguiculatum Pilato, Binda & Claxton, 2002

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

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

Mesocrista Pilato, 1987

Mesocrista revelata Gąsiorek, Stec, Morek, Zawierucha, Kaczmarek, Lachowska-Cierlik &

Michalczyk, 2016

Mesocrista spitzbergensis (Richters, 1903) <Amended by Gąsiorek *et al.* 2016>

Parascon Pilato & Binda, 1987

Parascon nichollsae Pilato & Lisi, 2004

Parascon schusteri Pilato & Binda, 1987

Platicrista Pilato, 1987

Platicrista affine (Mihelčič, 1951)

Platicrista angustata (Murray, 1905)

Platicrista cheleusis Kathman, 1990 [*Diphascon craigi* Beasley, 1990]

Platicrista horribilis Kaczmarek & Michalczyk, 2003

Platicrista itaquasconoide (Durante Pasa & Maucci, 1975)

Platicrista ramsayi Marley, 2006

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 granifer (Greven, 1972) <Transferred from *Diphascon* by Bertolani *et al.* 2014>

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

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

Acutuncus Pilato & Binda, 1997

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

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

Mixibius Pilato, 1992

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

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

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

Mixibius fueginus Pilato & Binda, 1996

Mixibius ninguidus Biserov, 1999

Mixibius ornatus Pilato, Binda, Napolitano & Moncada, 2002

Mixibius parvus Lisi, Sabella & Pilato, 2014

Mixibius pilatoi L. Wang, 2009

Mixibius saracenus (Pilato, 1973)

Mixibius schnurrae Pilato, Lisi & Binda, 2010

Mixibius sutirae Pilato, Binda & Lisi 2004
Mixibius tibetanus H. Li & X. Li, 2008

Family: Microhypsibiidae Pilato, 1998
<Amended by Gąsiorek *et al.* 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 conjungens (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 arcticus* (Murray, 1907) [*Macrobiotus heinisi* Richters, 1907] <Transferred from *Hypsibius* by Gąsiorek *et al.* 2018a> {see *Notahypsibius*}~~

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 ljudmilae* Biserov, 1997/98 {see *Cryoconicus*}~~
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 subanomalous (Biserov, 1985)
Ramazzottius szeptycki (Dastych, 1980) <Amended by Dastych 2009>
Ramazzottius theroni Dastych, 1993
Ramazzottius thulini (Pilato, 1970)
Ramazzottius tribulosus Bertolani & Rebecchi, 1988
Ramazzottius valaamis Biserov & Tumanov, 1993
Ramazzottius varieornatus Bertolani & Kinchin, 1993

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

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

Apodibius Dastych, 1983
 <Transferred from '*incertae sedis*' to Isohypsibiidae by Dabert *et al.* 2013; Transferred from Isohypsibiidae by Gąsiorek *et al.* 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 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 monstruosus (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 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 ~~*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 irregibilis (Biserov, 1992) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>
{see *Vladimirobius*}

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 tuberculatus (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

<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 matici (Pilato, 1971)

Pseudobiotus megalonyx (Thulin, 1928)

Pseudobiotus spinifer Chang, Kaczmarek, Lee & Michalczyk, 2007

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

Thulinus Bertolani, 2003

[*Thulinia* Bertolani, 1982]

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

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

Thulinus itoi (Tsurusaki, 1980)

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

Thulinus ruffoi (Bertolani, 1982)

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

Thulinus stephaniae (Pilato, 1974)

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

Halobiotus Kristensen, 1982

<Transferred from Isohypsibiidae by Gąsiorek *et al.* 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 pilato (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>

*Diane*a Gąsiorek, Stec, Morek & Michalczyk, 2019

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

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

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

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

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

*Diane*a *costata* (Mihelčič, 1971) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>

<species dubia according to Gąsiorek et al. 2019e>
Dianeaeffusa (Mihelčič, 1971) <Transferred from *Isohypsibius* by Gąsiorek et al. 2019e>
 <species dubia according to Gąsiorek et al. 2019e>
Dianeafranzi (Mihelčič, 1951) <Transferred from *Isohypsibius* by Gąsiorek et al. 2019e>
 <species dubia according to Gąsiorek et al. 2019e>
Dianeahelenae (Iharos, 1964) <Transferred from *Isohypsibius* by Gąsiorek et al. 2019e> <nomen inquirendum according to Gąsiorek et al. 2019e>
Dianeaindica (Murray, 1907) <Transferred from *Isohypsibius* by Gąsiorek et al. 2019e> <nomen inquirendum according to Gąsiorek et al. 2019e>
Dianeamammillosa (Iharos, 1964) <Transferred from *Isohypsibius* by Gąsiorek et al. 2019e>
 <species dubia according to Gąsiorek et al. 2019e>
Dianeapapillifera ~~papillifer~~ (Murray, 1905) <Transferred from *Isohypsibius* by Gąsiorek et al. 2019e>; *Isohypsibius papillifer bulbosus* (Marcus, 1928) suppressed by Gąsiorek et al. 2019e>
Dianearahmi (X. Li & L. Wang, 2006) <Transferred from *Isohypsibius* by Gąsiorek et al. 2019e>
Dianeasattleri (Richters, 1902) [*Hypsibius bakonyiensis* Iharos, 1964] {the correct reference of Dastyč 1990 cited in the previous check lists is: Dastyč, H. (1991) *Isohypsibius sattleri* (Richters 1902), a valid species (Tardigrada). *Senckenbergiana biologica*, 71, 181–189.} <Transferred from *Isohypsibius* by Gąsiorek et al. 2019e>
Dianeatuberculoides (Mihelčič, 1951) <Transferred from *Isohypsibius* by Gąsiorek et al. 2019e>
 <species dubia according to Gąsiorek et al. 2019e>
Dianeavejdovskyi (Bartoš, 1939) <Transferred from *Isohypsibius* by Gąsiorek et al. 2019e>
 <nomen inquirendum according to Gąsiorek 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 Gąsiorek et al. 2019c>
Fractonotus caelatus (Marcus, 1928)
Fractonotus gilvus (Biserov, 1986) <Transferred from *Isohypsibius* by Gąsiorek et al. 2019c>
Fractonotus verrucosus (Richters, 1900) [*Macrobiotus scabrosus* Murray, 1911 according to Marcus 1928, *Calohypsibius placophorus* (da Cunha, 1943) according to Gąsiorek et al. 2019c] <Amended and transferred from *Calohypsibius* by Gąsiorek et al. 2019c>

Halobiotus Kristensen, 1982

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

Isohypsibius Thulin, 1928

<Amended by Gąsiorek et al. 2019e>
Isohypsibius altai Kaczmarek & Michalczyk, 2006 {see *Weglarskobius*}

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 palmae 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 duranteae (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

Order: MACROBIOTOIDEA Guil, Jørgensen & Kristensen, 2019

<Corresponding to the superfamily Macrobiotoidea Thulin, 1928 in Marley *et al.* 2011 elevated to higher level by Guil *et al.* 2019>

Family: Macrobiotidae Thulin, 1928

Biserovus Guidetti & Pilato, 2003

Biserovus bindae (Christenberry & Higgins, 1979)

Calcarobiotus 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

***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

Macrobiotus andinus Maucci, 1988

***Macrobiotus anemone* Meyer, Domingue & Hinton, 2014**

Macrobiotus annae Richters, 1908

Macrobiotus ariekammensis Węglarska, 1965 [*Macrobiotus adelges* Dastych, 1977]

Macrobiotus artipharyngis Iharos, 1940

Macrobiotus ascensionis Richters, 1908

Macrobiotus biserovi Bertolani, Guidi & Rebecchi, 1996

Macrobiotus brevipes Mihelčič, 1971/72

***Macrobiotus caelestis* Coughlan, Michalczyk & Stec, 2019**

Macrobiotus caelicola Kathman, 1990

***Macrobiotus canarius* Stec, Krzywański & Michalczyk, 2018**

Macrobiotus carsicus Maucci, 1954

***Macrobiotus caymanensis* Meyer, 2011**

Macrobiotus crenulatus Richters, 1904 [*Macrobiotus dentatus* Binda, 1974]

Macrobiotus crustulus Stec, Dudziak & Michalczyk, 2020

Macrobiotus dariae Pilato & Bertolani, 2004

Macrobiotus deceptor Meyer, Hinton, Gladney & Klumpp, 2017

Macrobiotus denticulus Dastych, 2002

Macrobiotus diversus Biserov, 1990

Macrobiotus drakensbergi Dastych, 1993

Macrobiotus dulciporus Roszkowska, Gawlak, Draga & Kaczmarek, 2019

Macrobiotus echinogenitus Richters, 1903

Macrobiotus engbergi Stec, Tumanov & Kristensen, 2020

Macrobiotus evelinae de Barros, 1938

Macrobiotus furcatus Ehrenberg, 1859 [*nec Macrobiotus furcatus* Murray, 1906] {Re-transferred from *Minibiotus* by Bertolani *et al.* 2014}

Macrobiotus gemmatus Bartoš, 1963

Macrobiotus glebkai Biserov, 1990

Macrobiotus grandis Richters, 1911

Macrobiotus halophilus Fontoura, Rubal & Veiga, 2017

Macrobiotus hanna Nowak & Stec, 2018

Macrobiotus hibiscus de Barros, 1942

Macrobiotus horningi Kaczmarek & Michalczyk, 2017

Macrobiotus hufelandi C.A.S. Schultze, 1834 [*Macrobiotus schultzei* Greeff, 1866 according to Marcus 1928]

Macrobiotus humilis Binda & Pilato, 2001

Macrobiotus hyperboreus Biserov, 1990

Macrobiotus iharosi Pilato, Binda & Catanzaro, 1991

Macrobiotus insignis Bartoš, 1963

Macrobiotus insularis Pilato, 2006

Macrobiotus joannae Pilato & Binda, 1983

Macrobiotus julianae (Meyer, 2012) {Transferred from *Minibiotus* by Stec *et al.* 2015}

Macrobiotus kamilae Coughlan & Stec, 2019

Macrobiotus kazmierskii Kaczmarek & Michalczyk, 2009

Macrobiotus kirghizicus Tumanov, 2005

Macrobiotus koller Mihelčič, 1951

Macrobiotus komareki Bartoš, 1939

Macrobiotus kristenseni Guidetti, Peluffo, Rocha, Cesari & Moly de Peluffo, 2013

Macrobiotus kurasi Dastych, 1981

Macrobiotus lazzaroi Maucci, 1986 [*Macrobiotus spallanzanii* Maucci, 1973]

Macrobiotus lissostomus Durante Pasa & Maucci, 1979

Macrobiotus longipes Mihelčič, 1971/72

Macrobiotus macrocalix Bertolani & Rebecchi, 1993

Macrobiotus maculatus Iharos, 1973 <Amended and elevated to the species level by Kaczmarek & Michalczyk 2017>

Macrobiotus madegassus Maucci, 1993

Macrobiotus mandalae Pilato, 1974

Macrobiotus marlenae Kaczmarek & Michalczyk, 2004

Macrobiotus martini Bartels, Pilato, Lisi & Nelson, 2009

Macrobiotus modestus Pilato & Lisi, 2009

Macrobiotus naskreckii Bąkowski, Roszkowska, Gawlak & Kaczmarek, 2016

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
Macrobotus occidentalis occidentalis Murray, 1910
Macrobotus occidentalis striatus Dastych, 1974
Macrobotus ocotensis Pilato, 2006
Macrobotus ovidii Bartoš, 1937
Macrobotus ovovillosus Baumann, 1960
Macrobotus pallarii Maucci, 1954 [*Macrobotus aviglianae* Robotti, 1970] {Incorrectly transferred to *Mesobotus* 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
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 porteri Rahm, 1931
Macrobotus potockii Węglarska, 1968
Macrobotus primitivae de Barros, 1942
Macrobotus psephus du Bois-Reymond Marcus, 1944
Macrobotus pseudofurcatus Pilato, 1972
Macrobotus punctillus Pilato, Binda & Azzaro, 1990
Macrobotus ragonesei Binda, Pilato, Moncada & Napolitano, 2001
Macrobotus ramoli Dastych, 2005
Macrobotus rawsoni Horning, Schuster & Grigarick, 1978 <Amended by Kaczmarek & Michalczyk 2017>
Macrobotus recens Cuénot, 1932
Macrobotus rollei Heinis, 1920
Macrobotus rubens Murray, 1907
Macrobotus sandrae Bertolani & Rebecchi, 1993
Macrobotus santoroi Pilato & D'Urso, 1976
Macrobotus sapiens Binda & Pilato, 1984
Macrobotus scoticus Stec, Morek, Gąsiorek, Blagden & Michalczyk, 2017
Macrobotus semmelweisi Pilato, Binda & Lisi, 2006
Macrobotus serratus Bertolani, Guidi & Rebecchi, 1996
Macrobotus seychellensis Biserov, 1994
Macrobotus shennongensis Yang, 1999
Macrobotus shonaicus Stec, Arakawa & Michalczyk, 2018
Macrobotus sottilei Pilato, Kiosya, Lisi & Sabella, 2012
Macrobotus spectabilis Thulin, 1928

Macrobotus spertii Ramazzotti, 1957
Macrobotus striatus Mihelčič, 1949
Macrobotus terminalis Bertolani & Rebecchi, 1993
Macrobotus terricola Mihelčič, 1951
Macrobotus tetraplacoides Fontoura, 1981
Macrobotus topali Iharos, 1969
Macrobotus trunovae Biserov, Pilato & Lisi, 2011
Macrobotus virgatus Murray, 1910
Macrobotus vladimiri Bertolani, Biserov, Rebecchi & Cesari, 2011
Macrobotus wandae Kayastha, Berdi, Miaduchowska, Gawlak, Łukasiewicz, Gołdyn & Kaczmarek, 2020
Macrobotus wuyishanensis P. Zhang & X.-Z. Sun, 2014
Macrobotus yunshanensis Yang, 2002

Mesobiotus Vecchi, Cesari, Bertolani, Jönsson, Rebecchi & Guidetti, 2016a
Mesobiotus altitudinalis (Biserov, 1997/98) <Transferred from *Macrobotus* by Vecchi *et al.* 2016a>
Mesobiotus aradasi (Binda, Pilato & Lisi, 2005) <Transferred from *Macrobotus* by Vecchi *et al.* 2016a>
Mesobiotus arguei (Pilato & Sperlinga, 1975) <Transferred from *Macrobotus* by Vecchi *et al.* 2016a>
Mesobiotus armatus (Pilato & Binda, 1996) <Transferred from *Macrobotus* by Vecchi *et al.* 2016a> {*species inquirenda* according to Roszkowska *et al.* 2017}
Mesobiotus australis (Pilato & D'Urso, 1976) <Transferred from *Macrobotus* by Vecchi *et al.* 2016a>
Mesobiotus baltatus (McInnes, 1991) <Transferred from *Macrobotus* by Vecchi *et al.* 2016a>
Mesobiotus barabanovi (Tumanov, 2005) <Transferred from *Macrobotus* by Vecchi *et al.* 2016a>
Mesobiotus barbarae (Kaczmarek, Michalczyk & Degma, 2007) <Transferred from *Macrobotus* by Vecchi *et al.* 2016a>
Mesobiotus binieki (Kaczmarek, Gołdyn, Prokop & Michalczyk, 2011) <Transferred from *Macrobotus* by Vecchi *et al.* 2016a>
Mesobiotus blocki (Dastyh, 1984) <Transferred from *Macrobotus* by Vecchi *et al.* 2016a>
Mesobiotus contii (Pilato & Lisi, 2006) <Transferred from *Macrobotus* by Vecchi *et al.* 2016a>
Mesobiotus coronatus (de Barros, 1942) <Amended by Pilato *et al.* 2000> <Transferred from *Macrobotus* by Vecchi *et al.* 2016a>
Mesobiotus creber (Pilato & Lisi, 2009) <Transferred from *Macrobotus* by Vecchi *et al.* 2016a>
Mesobiotus datanlanicus Stec, 2019
Mesobiotus diffusus (Binda & Pilato, 1987) <Transferred from *Macrobotus* by Vecchi *et al.* 2016a>
Mesobiotus diguensis (Pilato & Lisi, 2009) <Transferred from *Macrobotus* by Vecchi *et al.* 2016a>
Mesobiotus dilimanensis Itang, Stec, Mapalo, Mirano-Bascos & Michalczyk, 2020
Mesobiotus dimentmani (Pilato, Lisi & Binda, 2010) <Transferred from *Macrobotus* by Vecchi *et al.* 2016a>
Mesobiotus divergens (Binda, Pilato & Lisi, 2005) <Transferred from *Macrobotus* by Vecchi *et al.* 2016a>

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* (Dastych, 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 (Dastych & 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 ovostriatatus (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 *Macrobotus* by Vecchi *et al.* 2016a>
Mesobiotus pseudoblocki Roszkowska, Stec, Ciobanu & Kaczmarek, 2016
Mesobiotus pseudocoronatus (Pilato, Binda & Lisi, 2006) <Transferred from *Macrobotus* by Vecchi *et al.* 2016a>
Mesobiotus pseudoliviae (Pilato & Binda, 1996) <Transferred from *Macrobotus* by Vecchi *et al.* 2016a>
Mesobiotus pseudonuragicus (Pilato, Binda & Lisi, 2004) <Transferred from *Macrobotus* by Vecchi *et al.* 2016a>
Mesobiotus pseudopatiens Kaczmarek & Roszkowska, 2016
Mesobiotus radiatus (Pilato, Binda & Catanzaro, 1991) <Transferred from *Macrobotus* by Vecchi *et al.* 2016a>
Mesobiotus reinhardti (Michalczyk & Kaczmarek, 2003) <Transferred from *Macrobotus* by Vecchi *et al.* 2016a>
Mesobiotus rigidus (Pilato & Lisi, 2006) <Transferred from *Macrobotus* by Vecchi *et al.* 2016a>
Mesobiotus romani Roszkowska, Stec, Gawlak & Kaczmarek, 2018
Mesobiotus siamensis (Tumanov, 2006) <Transferred from *Macrobotus* by Vecchi *et al.* 2016a>
Mesobiotus sicheli (Binda, Pilato & Lisi, 2005) <Transferred from *Macrobotus* by Vecchi *et al.* 2016a>
Mesobiotus simulans (Pilato, Binda, Napolitano & Moncada, 2000) <Transferred from *Macrobotus* 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

- 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, Martínez-Méndez, García-Román, Armendáriz-Toledano & Ruiz, 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 diphascoides (Iharos, 1969)
Minibiotus diversus Ciobanu, Roszkowska & Kaczmarek, 2015
Minibiotus eichhorni Michalczyk & Kaczmarek, 2004
Minibiotus ethelae Claxton, 1998
Minibiotus fallax Pilato, Claxton & Binda, 1989
Minibiotus floriparus Claxton, 1998
Minibiotus formosus Zawierucha, Dziamięcki, Jakubowska, Michalczyk & Kaczmarek, 2014
Minibiotus granatai (Pardi, 1941)
Minibiotus gumersindoi Guil & Guidetti, 2005
Minibiotus harrylewisi Meyer & Hinton, 2009
Minibiotus hispidus Claxton, 1998
Minibiotus hufelandioides (Murray, 1910)
Minibiotus intermedius (Plate, 1888)
Minibiotus ioculator Stec, Kristensen & Michalczyk, 2020
Minibiotus jonesorum Meyer, Lyons, Nelson & Hinton, 2011
Minibiotus julietae (de Barros, 1942)
Minibiotus keppelensis Claxton, 1998
Minibiotus maculartus Pilato & Claxton, 1988
Minibiotus marcusii (de Barros, 1942)
Minibiotus milleri Claxton, 1998
Minibiotus orthofasciatus Fontoura, Pilato, Lisi & Morais, 2009
Minibiotus pentannulatus Londoño, Daza, Lisi & Quiroga, 2017 <Amended by Stec *et al.* 2020b>
Minibiotus pilatus Claxton, 1998
Minibiotus poricinatus Claxton, 1998
Minibiotus pseudostellarus Roszkowska, Stec, Ciobanu & Kaczmarek, 2016
Minibiotus pustulatus (Ramazzotti, 1959)
Minibiotus ramazzottii Binda & Pilato, 1992
Minibiotus scopulus Claxton, 1998
Minibiotus sidereus Pilato, Binda & Lisi, 2003
Minibiotus stuckenbergi (Dastych, Ryan & Watkins, 1990) <Transferred from *Macrobiotus* by Dastych & Drummond 1996>
Minibiotus subintermedius (Ramazzotti, 1962)
Minibiotus taiti Claxton, 1998
Minibiotus vinciguerrae Binda & Pilato, 1992
Minibiotus weglarskae Michalczyk, Kaczmarek & Claxton, 2005
Minibiotus weinerorum (Dastych, 1984) <Transferred from *Macrobiotus* by Miller *et al.* 1994>
Minibiotus wuzhishanensis X. Li, D. Wang & L. Wang, 2008
Minibiotus xavieri Fontoura, Pilato, Morais & Lisi, 2009

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

Paramacrobotus Guidetti, Schill, Bertolani, Dandekar & Wolf, 2009

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

{The genus was split into two subgenera named *Paramacrobotus* Guidetti *et al.*, 2009 and *Amicrobotus* Marley *et al.*, 2018 by Kaczmarek *et al.* 2017 and Marley *et al.* 2018; The two subgenera should be not considered valid according to Guidetti *et al.* 2019a}

Subgenus: *Amicrobotus* Marley, Kaczmarek, Gawlak, Bartels, Nelson, Roszkowska, Stec & Degma, 2018

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

Paramacrobotus (~~*Paramacrobotus*~~) *arduus* Guidetti, Cesari, Bertolani, Altiero & Rebecchi, 2019

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

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

Paramacrobotus (~~*Paramacrobotus*~~) *celsus* Guidetti, Cesari, Bertolani, Altiero & Rebecchi, 2019

Paramacrobotus (~~*Amicrobotus*~~) *centesimus* (Pilato, 2000) <Transferred from *Macrobotus* by Guidetti *et al.* 2009>

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

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

~~*Paramacrobotus* (*Amicrobotus*) *crenatus* (Maucci, 1991) <Transferred from *Macrobotus* by Guidetti *et al.* 2009>~~ {see *Paramacrobotus areolatus*}

Paramacrobotus (~~*Amicrobotus*~~) *csotiensis* (Iharos, 1966) <Transferred from *Macrobotus* by Guidetti *et al.* 2009> <Amended by Kaczmarek *et al.* 2017>

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

Paramacrobotus (~~*Paramacrobotus*~~) *danielisae* (Pilato, Binda & Lisi, 2006) <Transferred from *Macrobotus* by Degma 2013>

Paramacrobotus (~~*Paramacrobotus*~~) *depressus* Guidetti, Cesari, Bertolani, Altiero & Rebecchi, 2019

Paramacrobotus (~~*Amicrobotus*~~) *derkai* (Degma, Michalczyk & Kaczmarek, 2008) <Transferred from *Macrobotus* by Guidetti *et al.* 2009>

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

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

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

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

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

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

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

Paramacrobotus (*Amierobiotus*) *huziori* (Michalczyk & Kaczmarek, 2006) <Transferred from *Macrobotus* by Guidetti *et al.* 2009>

Paramacrobotus (*Amierobiotus*) *intii* Kaczmarek, Cytan, Zawierucha, Diduszko & Michalczyk, 2014

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

Paramacrobotus (*Amierobiotus*) *klymenki* Pilato, Kiosya, Lisi & Sabella, 2012

Paramacrobotus (*Amierobiotus*) *lachowskae* Stec, Roszkowska, Kaczmarek & Michalczyk, 2018

Paramacrobotus (*Amierobiotus*) *spinosus* Kaczmarek, Gawlak, Bartels, Nelson & Roszkowska, 2017 { see below }

Paramacrobotus (*Amierobiotus*) *tonollii* (Ramazzotti, 1956) <Transferred from *Macrobotus* by Guidetti *et al.* 2009> { see below }

Paramacrobotus (*Amierobiotus*) *walteri* (Biserov, 1997/98) <Transferred from *Macrobotus* by Guidetti *et al.* 2009> { see below }

Subgenus: *Paramacrobotus* Guidetti, Schill, Bertolani, Dandekar & Wolf, 2009

Paramacrobotus (*Paramacrobotus*) *alekseevi* (Tumanov, 2005) <Transferred from *Macrobotus* by Guidetti *et al.* 2009> { see above }

Paramacrobotus (*Paramacrobotus*) *arduus* Guidetti, Cesari, Bertolani, Altiero & Rebecchi, 2019 { see above }

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

Paramacrobotus (*Paramacrobotus*) *celsus* Guidetti, Cesari, Bertolani, Altiero & Rebecchi, 2019 { see above }

Paramacrobotus (*Paramacrobotus*) *chiergoi* (Maucci & Durante Pasa, 1980) <Transferred from *Macrobotus* by Guidetti *et al.* 2009> { see above }

Paramacrobotus (*Paramacrobotus*) *corgatensis* (Pilato, Binda & Lisi, 2002) <Transferred from *Macrobotus* by Guidetti *et al.* 2009> { see above }

Paramacrobotus (*Paramacrobotus*) *danielae* (Pilato, Binda, Napolitano & Moncada, 2001) <Transferred from *Macrobotus* by Guidetti *et al.* 2009> { see above }

Paramacrobotus (*Paramacrobotus*) *danielisae* (Pilato, Binda & Lisi, 2006) <Transferred from *Macrobotus* by Degma 2013> { see above }

Paramacrobotus (*Paramacrobotus*) *depressus* Guidetti, Cesari, Bertolani, Altiero & Rebecchi, 2019 { see above }

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

Paramacrobotus (*Paramacrobotus*) *garynahi* (Kaczmarek, Michalczyk & Diduszko, 2005) <Transferred from *Macrobotus* by Guidetti *et al.* 2009> { see above }

- Paramacrobotus (Paramacrobotus) gerlachae* (Pilato, Binda & Lisi, 2004) <Transferred from *Macrobotus* by Guidetti *et al.* 2009> { see above }
- Paramacrobotus (Paramacrobotus) halei* (Bartels, Pilato, Lisi & Nelson, 2009) <Transferred from *Macrobotus* by Bartels & Nelson 2012> { see above }
- Paramacrobotus (Paramacrobotus) hapukuensis* (Pilato, Binda & Lisi, 2006) <Transferred from *Macrobotus* by Degma 2013> { see above }
- Paramacrobotus (Paramacrobotus) kenianus* Schill, Förster, Dandekar & Wolf, 2010 {The species have been diagnosed based on genetic data only and no morphological difference from *Paramacrobotus richtersi* has been found} { see above }
- Paramacrobotus (Paramacrobotus) lorenae* (Biserov, 1996) <Transferred from *Macrobotus* by Guidetti *et al.* 2009>
- Paramacrobotus (Paramacrobotus) magdalенаe* (Michalczyk & Kaczmarek, 2006) <Transferred from *Macrobotus* by Guidetti *et al.* 2009>
- Paramacrobotus (Paramacrobotus) palaui* Schill, Förster, Dandekar & Wolf, 2010 {The species have been diagnosed based on genetic data only and no morphological difference from *Paramacrobotus richtersi* has been found}
- Paramacrobotus (Paramacrobotus) peteri* (Pilato, Claxton & Binda, 1989) <Transferred from *Macrobotus* by Guidetti *et al.* 2009>
- Paramacrobotus (Paramacrobotus) pius* Lisi, Binda & Pilato, 2016
- Paramacrobotus (Paramacrobotus) priviteraе* (Binda, Pilato, Moncada & Napolitano, 2001) <Transferred from *Macrobotus* by Degma 2013>
- Paramacrobotus (Paramacrobotus) richtersi* (Murray, 1911) [*Macrobotus schultzei* Cuénot, 1932 according to Marcus 1936] <Transferred from *Macrobotus* by Guidetti *et al.* 2009> <Amended by Guidetti *et al.* 2019a>
- Paramacrobotus (Paramacrobotus) rioplatensis* (Claps & Rossi, 1997) {doubly attributed to the genus; Guidetti *et al.* 2009}
- Paramacrobotus (Paramacrobotus) sagani* Daza, Caicedo, Lisi & Quiroga, 2017
- Paramacrobotus (Paramacrobotus) savai* (Binda & Pilato, 2001) <Transferred from *Macrobotus* by Guidetti *et al.* 2009>
- Paramacrobotus (Paramacrobotus) sklodowskae* (Michalczyk, Kaczmarek & Węglarska, 2006) <Transferred from *Macrobotus* by Degma 2013>
- Paramacrobotus (Paramacrobotus) spatialis* Guidetti, Cesari, Bertolani, Altiero & Rebecchi, 2019
- Paramacrobotus (Amierobiotus) spinosus* Kaczmarek, Gawlak, Bartels, Nelson & Roszkowska, 2017
- Paramacrobotus (Paramacrobotus) submorulatus* (Iharos, 1966) <Amended and transferred from *Macrobotus* by Kaczmarek *et al.*, 2017>
- Paramacrobotus (Amierobiotus) tonollii* (Ramazzotti, 1956) <Transferred from *Macrobotus* by Guidetti *et al.* 2009>
- Paramacrobotus (Paramacrobotus) vanescens* (Pilato, Binda & Catanzaro, 1991) <Transferred from *Macrobotus* 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}
- Paramacrobotus (Amierobiotus) walteri* (Biserov, 1997/98) <Transferred from *Macrobotus* by Guidetti *et al.* 2009>
- Paramacrobotus (Paramacrobotus) wauensis* (Iharos, 1973) <Amended and transferred from *Macrobotus* by Kaczmarek *et al.*, 2017>

Pseudodiphasco Ramazzotti, 1965 *genus dubium* [in Guidetti & Pilato 2003]
Pseudodiphasco inflexum (Arcidiacono, 1964)

Pseudohexapodibius Bertolani & Biserov, 1996
Pseudohexapodibius degenerans (Biserov, 1990)

Schusterius Kaczmarek & Michalczyk, 2006
Schusterius tridigitus (R.O. Schuster, 1983)

Tenuibiotus Pilato & Lisi, 2011

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

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

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

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

Tenuibiotus higginsi (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

Xerobiotus euxinus Pilato, Kiosya, Lisi, Inshina & Biserov, 2011

Xerobiotus pseudohufelandi (Iharos, 1966) [*Macrobiotus inermis* Binda & Pilato, 1971]

Xerobiotus xerophilus (Dastych, 1978)

Family: Murrayidae Guidetti, Rebecchi & Bertolani, 2000

Dactylobiotus R.O. Schuster, 1980

Dactylobiotus ambiguus (Murray, 1907)

Dactylobiotus ampullaceus (Thulin, 1911)

Dactylobiotus aquatilis Yang, 1999 {*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, Rebecchi, Bertolani, Jönsson, Kristensen & Cesari, 2016

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

Adorybiotus granulatus (Richters, 1903)

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

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

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

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

Richtersius Pilato & Binda, 1989 <Transferred from *Macrobiodidae* by Guidetti *et al.* 2016>

[*Richtersia* Pilato & Binda, 1987]

Richtersius coronifer (Richters, 1903) <Amended by Stec *et al.* 2020a>

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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