

# Actual checklist of Tardigrada species (2009-2020, 38<sup>th</sup> Edition: 18-08-2020)

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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, 151152 genera, 13401338 species and 3433 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* Riggin, 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 triungulatus*** McKirdy, Schmidt & McGinty-Bayly, 1976 <Amended by Hansen *et al.* 2012>

*Stygarctus* Schulz, 1951  
*Stygarctus abornatus* McKirdy, Schmidt & McGinty-Bayly, 1976  
*Stygarctus ayatori* Fujimoto, 2014  
***Stygarctus bradypus*** Schulz, 1951  
*Stygarctus gorbaultae* Renaud-Mornant, 1981  
*Stygarctus granulatus* Pollock, 1970  
*Stygarctus 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 arbor-spinosus* Lindgren, 1971

*Tanarctus bubulubus* Jørgensen & Kristensen, 2001

*Tanarctus dendriticus* Renaud-Mornant, 1980

*Tanarctus diplocerus* Fujimoto, Miyazaki & Suzuki, 2013

*Tanarctus gracilis* Renaud-Mornant, 1980

*Tanarctus helleouetae* Renaud-Mornant, 1984

*Tanarctus heterodactylus* Renaud-Mornant, 1980

*Tanarctus hirsutospinosus* Jørgensen, Boesgaard, Møbjerg & Kristensen, 2014

*Tanarctus ittanmomen* Fujimoto, 2018

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

*Tanarctus minotauricus* Renaud-Mornant, 1984

*Tanarctus ramazzottii* Renaud-Mornant, 1975

***Tanarctus tauricus*** Renaud-Debyser, 1959

*Tanarctus velatus* McKirdy, Schmidt & McGinty-Bayly, 1976

*Zioella* Renaud-Mornant, 1987

***Zioella pavonina*** Renaud-Mornant, 1987

Order: ECHINISCOIDEA Richters, 1926

Family: Echiniscoididae Kristensen & Hallas, 1980

<Amended by Møbjerg *et al.* 2019>

Subfamily: Echiniscoidinae Kristensen & Hallas, 1980

<Amended by Møbjerg *et al.* 2019>

*Echiniscoides* Plate, 1888

*Echiniscoides andamanensis* Chang & Rho, 1998

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

*Echiniscoides hoepneri* Kristensen & Hallas, 1980

*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

{Guil *et al.* 2019 proposed subfamilies Echiniscinae Thulin, 1928, Parechiniscinae Guil, Jørgensen & Kristensen, 2019 and Pseudechiniscinae Guil, Jørgensen & Kristensen, 2019 as well

as tribes Anthechiniscini Guil, Jørgensen & Kristensen, 2019, Bryodelphaxini Guil, Jørgensen & Kristensen, 2019, Cornechiniscini Guil, Jørgensen & Kristensen, 2019, Echiniscini Thulin, 1928, Novechiniscini Guil, Jørgensen & Kristensen, 2019, Parechiniscini Guil, Jørgensen & Kristensen, 2019 and Pseudechiniscini Guil, Jørgensen & Kristensen, 2019 - all were later suppressed by Gąsiorek & Michalczyk 2020b}

{now the sequence of genera is again arranged alphabetically}

*Acanthechiniscus* Vecchi, Cesari, Bertolani, Jönsson, Rebecchi & Guidetti, 2016a  
*Acanthechiniscus distinctus* (Mihelčič, 1951) <Transferred from *Pseudechiniscus* by Vecchi *et al.* 2016a>  
*Acanthechiniscus goedeni* (Grigarick, Mihelčič & Schuster, 1964) <Transferred from *Pseudechiniscus* by Vecchi *et al.* 2016a>  
*Acanthechiniscus islandicus* (Richters, 1904) <Transferred from *Pseudechiniscus* by Vecchi *et al.* 2016a>  
*Acanthechiniscus sinensis* (Rahm, 1937) <Transferred from *Pseudechiniscus* by Vecchi *et al.* 2016a>  
***Acanthechiniscus victor*** (Ehrenberg, 1853) [*Pseudechiniscus tridentifer* Bartoš, 1935 ] <Transferred from *Pseudechiniscus* by Vecchi *et al.* 2016a>

*Antechiniscus* Kristensen, 1987

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

*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 madonnae* (Michalczyk & Kaczmarek, 2006) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d>  
*Barbaria ollantaytamboensis* (Nickel, Miller & Marley, 2001) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d>  
*Barbaria pseudowendti* (Dastyh, 1984) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d>  
*Barbaria ranzii* (Ramazzotti, 1964) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d>

*Bryochoerus* Marcus, 1936

***Bryochoerus intermedius intermedius*** (Murray, 1910)  
*Bryochoerus intermedius hawaiiicus* (Thulin, 1928)  
*Bryochoerus intermedius laevis* (Marcus, 1936)

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

*Bryodelphax* Thulin, 1928

*Bryodelphax aaseae* Kristensen, Michalczyk & Kaczmarek, 2010

*Bryodelphax alzirae* (du Bois-Reymond Marcus, 1944)

*Bryodelphax amphoterus* (Durante Pasa & Maucci, 1975)

*Bryodelphax arenosus* Gąsiorek, 2018

*Bryodelphax asiaticus* Kaczmarek & Michalczyk, 2004

*Bryodelphax atlantis* Fontoura, Pilato & Lisi, 2008

*Bryodelphax australasiaticus* Gąsiorek, Vončina, Degma & Michalczyk, 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, 2018

*Bryodelphax ortholineatus* (Bartoš, 1963)

***Bryodelphax parvulus*** Thulin, 1928

*Bryodelphax parvuspolaris* Kaczmarek, Zawierucha, Smykla & Michalczyk, 2012

*Bryodelphax sinensis* (Pilato, 1974)

*Bryodelphax tatrensis* (Węglarska, 1959)

*Bryodelphax weglarskae* (Pilato, 1972)

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

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

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

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

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

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

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

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

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

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

*Claxtonia 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>

*Cornechiniscus* Maucci & Ramazzotti, 1981

*Cornechiniscus brachycornutus* Maucci, 1987 <Amended by Gąsiorek & Michalczyk 2020>  
*Cornechiniscus ceratophorus* (Maucci, 1973) <Amended by Gąsiorek & Michalczyk 2020>  
***Cornechiniscus cornutus*** (Richters, 1907) [*Pseudechiniscus intermedius* Mihelčič, 1970] <Amended by Gąsiorek & Michalczyk 2020>  
*Cornechiniscus holmeni* (Petersen, 1951) <Amended by Gąsiorek & Michalczyk 2020>  
*Cornechiniscus imperfectus* Gąsiorek & Michalczyk, 2020  
*Cornechiniscus lobatus* (Ramazzotti, 1943) [*Pseudechiniscus cornutus* Mihelčič, 1966] <Amended by Gąsiorek & Michalczyk 2020>  
*Cornechiniscus madagascariensis* Maucci, 1993 <Amended by Gąsiorek & Michalczyk 2020>  
*Cornechiniscus schrammi* (Dastyh, 1979) <Amended by Gąsiorek & Michalczyk 2020>  
*Cornechiniscus subcornutus* Maucci & Ramazzotti, 1981 <Amended by Gąsiorek & Michalczyk 2020>  
*Cornechiniscus tibetanus* (Maucci, 1979) <Amended by Gąsiorek & Michalczyk 2020>

*Diploechiniscus* Vicente, Fontoura, Cesari, Rebecchi, Guidetti, Serrano & Bertolani, 2013  
*Diploechiniscus horningi* (Schuster & Grigarick, 1971) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d>  
***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 Gašiorek *et al.* 2019d, *Echiniscus mediantus* Marcus, 1930 according to Gašiorek *et al.* 2019d]  
*Echiniscus blumi schizofilus* Bartoš, 1941  
*Echiniscus calcaratus* Richters, 1908  
*Echiniscus calvus* Marcus, 1931  
*Echiniscus canadensis* Murray, 1910 [*Echiniscus punctulatus* Mihelčič, 1955; *Echiniscus bellus* Mihelčič, 1967]  
*Echiniscus canedoi* da Cunha & do Nascimento Ribeiro, 1962  
*Echiniscus carusoi* Pilato, 1972  
*Echiniscus cavagnaroi* Schuster & Grigarick, 1966 <Amended by Meyer 2016>  
*Echiniscus cervicornis* Murray, 1906  
*Echiniscus charrua* Claps & Rossi, 1997  
*Echiniscus cheonyoungi* Moon & Kim, 1994  
*Echiniscus clevelandi* Beasley, 1999  
*Echiniscus columinis* Murray, 1911  
*Echiniscus crassispinosus crassispinosus* Murray, 1907  
*Echiniscus crassispinosus fasciatus* Marcus, 1928  
*Echiniscus curiosus* Claxton, 1996  
*Echiniscus darienae* Miller, Horning & Dastych, 1995  
*Echiniscus dikenli* Maucci, 1973  
*Echiniscus diploglyptus* Durante Pasa & Maucci, 1975  
*Echiniscus divergens* Marcus, 1936  
*Echiniscus dreyfusi* de Barros, 1942  
*Echiniscus duboisi* Richters, 1902  
*Echiniscus egnatiae* Durante Pasa & Maucci, 1979  
*Echiniscus ehrenbergi* Dastych & Kristensen, 1995  
*Echiniscus elaeinae* Pilato, Binda & Lisi, 2005  
*Echiniscus evelinae* de Barros, 1942  
*Echiniscus granulatus* (Doyère, 1840) [*Echiniscus crassus* Richters, 1904; *Echiniscus fortis* Bartoš, 1935; *Echiniscus abanti* Maucci, 1973]  
*Echiniscus heterospinosus* Maucci, 1954  
*Echiniscus hexacanthus* Maucci, 1973  
*Echiniscus hoonsooi* Moon & Kim, 1990  
*Echiniscus inocelatus* Mihelčič, 1938 [*Echiniscus inocellatus* Mihelčič, 1964]  
*Echiniscus insuetus* Mihelčič, 1967 <*species dubia* according to Gašiorek *et al.* 2019d>  
*Echiniscus 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 Gąsiorek *et al.* 2019d>  
*Echiniscus manuelae* da Cunha & do Nascimento Ribeiro, 1962  
*Echiniscus marculsi* Pilato, Claxton & Binda, 1989  
*Echiniscus marginatus* Binda & Pilato, 1994  
*Echiniscus marleyi* X. Li, 2007  
*Echiniscus masculinus* Gąsiorek, Vončina & Michalczyk, 2020  
*Echiniscus merokensis merokensis* Richters, 1904 [*Echiniscus iharosi* Rudescu, 1964, *Echiniscus simba* Marcus, 1928 according to Gąsiorek *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 palmai* 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, 2020

*Echiniscus speciosus* Mihelčič, 1967 [*Echiniscus roseus* Mihelčič, 1967] <species dubia according to Gąsiorek *et al.* 2019d>  
*Echiniscus spiculifer* Schaudinn, 1901 <species dubia according to Gąsiorek *et al.* 2019d>  
*Echiniscus spiniger* Richters, 1904  
*Echiniscus spinulosus* (Doyère, 1840)  
*Echiniscus succineus* Gąsiorek & Vončina, 2019  
*Echiniscus sylvanus* Murray, 1910  
*Echiniscus taibaiensis* L. Wang & X. Li, 2005  
*Echiniscus tamus* Mehlen, 1969 <Amended by Miller & Mehlen 2007>  
*Echiniscus tantulus* Gąsiorek, Bochnak, Vončina & Kristensen, 2020 in Bochnak *et al.* 2020  
*Echiniscus tenuis* Marcus, 1928 <probably *Bryodelphax* according to Gąsiorek *et al.* 2019d>  
***Echiniscus testudo*** (Doyère, 1840) <Amended by Gąsiorek *et al.* 2017b> [*Echiniscus bellermanni* C.A.S. Schultze, 1840; *Echiniscus inermis* Richters, 1902; *Echiniscus trifilis* Rahm, 1921; *Echiniscus testudo quadrifilis* by Gąsiorek *et al.* 2017b; *Echiniscus filamentosus* Plate, 1888 by Gąsiorek *et al.* 2017b; *Echiniscus glaber* Bartoš, 1937 by 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* Riggin, 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>

*Mopsechiniscus* du Bois-Reymond Marcus, 1944  
*Mopsechiniscus franciscae* Guidetti, Rebecchi, Cesari & McInnes, 2014  
*Mopsechiniscus frenoti* Dastych, 1999  
*Mopsechiniscus granulosus* Mihelčič, 1967  
***Mopsechiniscus imberbis*** (Richters, 1907)  
*Mopsechiniscus schusteri* Dastych, 1999  
*Mopsechiniscus tasmanicus* Dastych & Moscal, 1992

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

*Nebularmis* Gąsiorek & Michalczyk, 2019 in Gąsiorek *et al.* 2019d  
*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 nobilis* (Mihelčič, 1967) <*species dubia* according to Gąsiorek *et al.* 2019d>  
<Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d>  
*Nebularmis phocae* (du Bois-Reymond Marcus, 1944) <*nomen inquirendum* according to  
Gąsiorek *et al.* 2019d> <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d> <*nomen*  
*inquirendum* according to Gąsiorek *et al.* 2019a>  
***Nebularmis reticulatus*** (Murray, 1905) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d>  
<Amended by Gąsiorek *et al.* 2019a> [*Nebularmis mihelcici* (Iharos, 1973) in Gąsiorek *et*  
*al.* 2019a; <*species dubia* according to Gąsiorek *et al.* 2019d> <Transferred from  
*Echiniscus* by Gąsiorek *et al.* 2019d>]  
*Nebularmis tardus* (Mihelčič, 1951) <*species dubia* according to Gąsiorek *et al.* 2019d>  
<Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d>

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

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

*Proechiniscus* Kristensen, 1987  
***Proechiniscus hanneae*** (Petersen, 1951)

*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 francisca* 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 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 scorteccii* 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

*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>

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

Order: THERMOZODIA Ramazzotti & Maucci, 1983

Family: Thermozodiidae Rahm, 1937

*Thermozodium* Rahm, 1937

*Thermozodium esakii* Rahm, 1937

Class: EUTARDIGRADA Richters, 1926

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

~~Class: APOTARDIGRADA Guil, Jørgensen & Kristensen, 2019 {see class EUTARDIGRADA for explanation}~~

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

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

Family: Milnesiidae Ramazzotti, 1962

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

*Bergtrollus* Dastych, 2011

*Bergtrollus dzimbowski* Dastych, 2011

*Limmenius* Horning, Schuster & Grigarick, 1978

*Limmenius porcellus* Horning, Schuster & Grigarick, 1978

*Milnesioides* Claxton, 1999

*Milnesioides exsertum* Claxton, 1999

*Milnesium* Doyère, 1840

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

*Milnesium alabamae* Wallendorf & Miller, 2009

*Milnesium almatyense* Tumanov, 2006 <Amended by Morek *et al.* 2020a>

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

*Milnesium antarcticum* Tumanov, 2006

*Milnesium argentinum* Roszkowska, Ostrowska & Kaczmarek, 2015

*Milnesium asiaticum* Tumanov, 2006

*Milnesium barbadosense* Meyer & Hinton, 2012

*Milnesium beasleyi* Kaczmarek, Jakubowska & Michalczyk, 2012

*Milnesium beatae* Roszkowska, Ostrowska & Kaczmarek, 2015

*Milnesium berladnicorum* Ciobanu, Zawierucha, Moglan & Kaczmarek, 2014

*Milnesium bohleberi* Bartels, Nelson, Kaczmarek & Michalczyk, 2014

*Milnesium brachyungue* Binda & Pilato, 1990

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

*Milnesium cassandrae* Moreno-Talamantes, Roszkowska, García-Aranda, Flores-Maldonado &

Kaczmarek, 2019  
*Milnesium dornensis* Ciobanu, Roszkowska & Kaczmarek, 2015  
*Milnesium dujiangensis* Yang, 2003 {*nomen dubium* according to Morek *et al.* 2016}  
*Milnesium 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 jacobii* Meyer & Hinton, 2010  
*Milnesium katarzynae* Kaczmarek, Michalczyk & Beasley, 2004  
*Milnesium kogui* Londoño, Daza, Caicedo, Quiroga & Kaczmarek, 2015  
*Milnesium krzysztofi* Kaczmarek & Michalczyk, 2007  
*Milnesium lagniappe* Meyer, Hinton & Dupré, 2013  
*Milnesium longiungue* Tumanov, 2006  
*Milnesium matheusi* Kaczmarek, Grobys, Kulpa, Bartylak, Kmita, M. Kepel, A. Kepel & Roszkowska, 2019  
*Milnesium minutum* Pilato & Lisi, 2016  
*Milnesium pentapapillatum* Ciosek, Morek & Michalczyk, 2020 in Morek *et al.* 2020b  
*Milnesium pseudotardigradum* Surmacz, Morek & Michalczyk, 2019  
*Milnesium quadrifidum* Nederström, 1919 {valid according to Morek *et al.* 2016}  
*Milnesium reductum* Tumanov, 2006 <Amended by Morek *et al.* 2020a>  
*Milnesium reticulatum* Pilato, Binda & Lisi, 2002  
*Milnesium sandrae* Pilato & Lisi, 2016  
*Milnesium shilohae* Meyer, 2015  
*Milnesium swansoni* Young, Chappell, Miller & Lowman, 2016  
*Milnesium swolenskyi* Bertolani & Grimaldi, 2000 {fossil species}  
*Milnesium tardigradum tardigradum* Doyère, 1840 <Amended by Michalczyk *et al.* 2012; Amended by Morek *et al.* 2018>  
*Milnesium tardigradum trispinosa* Rahm, 1931 {*nomen dubium* according to Morek *et al.* 2016} {not valid according to Suzuki 2016}  
*Milnesium tetralamellatum* Pilato & Binda, 1991  
*Milnesium tumanovi* Pilato, Sabella & Lisi, 2016  
*Milnesium validum* Pilato, Sabella, D'Urso & Lisi, 2017  
*Milnesium variefidum* Morek, Gąsiorek, Stec, Blagden & Michalczyk, 2016  
*Milnesium vorax* Pilato, Sabella & Lisi, 2016  
*Milnesium wrightae* Kaczmarek, Grobys, Kulpa, Bartylak, Kmita, M. Kepel, A. Kepel & Roszkowska, 2019  
*Milnesium zsalakoe* Meyer & Hinton, 2010

PARACHELA Schuster, Nelson, Grigarick & Christenberry, 1980

~~Class: EUTARDIGRADA Richters, 1926 {see EUTARDIGRADA above}  
 <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>~~

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

Order: EOHYPSIBIOIDEA Guil, Jørgensen & Kristensen, 2019 {see EUTARDIGRADA for explanation}

<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

Superfamily: Hypsibioidea Pilato, 1969 in Marley *et al.* 2011

Order: HYPSIBIOIDEA Guil, Jørgensen & Kristensen, 2019 {see EUTARDIGRADA for explanation}

<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 birklehofi* Rolf Schuster, 1999

***Diphascon chilense*** Plate, 1888

*Diphascon claxtonae* Pilato & Binda, 1998

*Diphascon coniferens* (Bartoš, 1960)

*Diphascon dastychi* Pilato & Binda, 1999

*Diphascon dolomiticum* Pilato & Bertolani, 2005

*Diphascon faialense* Fontoura & Pilato, 2007

*Diphascon halapiense* (Iharos, 1964) <Transferred to *Pilatobius* by Bertolani *et al.* 2014. Re-transferred to *Diphascon* by Tumanov 2018>

*Diphascon higginsii* Binda, 1971

*Diphascon humicus* Bertolani, Guidetti & Rebecchi, 1994

*Diphascon hydrophilum* Pilato, Binda, Bertolani & Lisi, 2005

*Diphascon iharosi* Vargha, 1995

*Diphascon langhovdense* (Sudzuki, 1964)

*Diphascon marcuzzii* (Mihelčič, 1971)

*Diphascon mariae* (Mihelčič, 1951)

*Diphascon mirabilis* Dastych, 1984

*Diphascon mitrense* Pilato, Binda & Qualtieri, 1999

*Diphascon nelsonae* Pilato, Binda, Bertolani & Lisi, 2005

*Diphascon nobilei* (Binda, 1969)

*Diphascon ongulense* (Morikawa, 1962)

*Diphascon pingue pingue* (Marcus, 1936)

*Diphascon pingue brunsvicense* Argue, 1972

*Diphascon pinguiforme* Pilato & Binda, 1997/98

*Diphascon platyungue* Pilato, Binda, Bertolani & Lisi, 2005

*Diphascon polare* Pilato & Binda, 1999

*Diphascon puchalskii* Kaczmarek, Parnikoza, Gawlak, Esefeld, Peter, Kozeretska & Roszkowska, 2018

*Diphascon punctatum* (Iharos, 1962)

*Diphascon puniceum* (Jennings, 1976)

*Diphascon rivulare* (Mihelčič, 1967)

*Diphascon rudnickii* Kaczmarek, Parnikoza, Gawlak, Esefeld, Peter, Kozeretska & Roszkowska, 2018  
*Diphascon sanae* Dastych, Ryan & Watkins, 1990  
*Diphascon serratum* Pilato, Binda, Bertolani & Lisi, 2005  
*Diphascon speciosum* (Mihelčič, 1971)  
*Diphascon stappersi* Richters, 1911  
*Diphascon tenue* Thulin, 1928  
*Diphascon victoriae* Pilato & Binda, 1999  
*Diphascon wuyingensis* X.-L. Sun, J.-Y. Zhang, N. Wang, Zhao & Luo, 2020  
*Diphascon zaniewi* Kaczmarek & Michalczyk, 2004

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

*Borealibius* Pilato, Guidetti, Rebecchi, Lisi, Hansen & Bertolani, 2006  
***Borealibius zetlandicus*** (Murray, 1907)

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

*Hypsibius* Ehrenberg, 1848  
<Amended by Gąsiorek *et al.* 2018a>  
*Hypsibius allisoni* Horning, Schuster & Grigarick, 1978  
*Hypsibius antonovae* (Biserov, 1990)  
*Hypsibius biscuitiformis* Bartoš, 1960  
*Hypsibius calcaratus* Bartoš, 1935  
*Hypsibius camelopardalis* Ramazzotti & Maucci, 1983  
*Hypsibius choucoutiensis* Rahm, 1937  
*Hypsibius convergens* (Urbanowicz, 1925)  
*Hypsibius conwentzii* Kaczmarek, Parnikoza, Gawlak, Esefeld, Peter, Kozeretska & Roszkowska, 2018  
***Hypsibius dujardini*** (Doyère, 1840) [*Macrobiotus palustris* Dujardin, 1851; *Macrobiotus lacustris* Dujardin, 1851; *Macrobiotus tetradactylus* Lance, 1896; *Macrobiotus samoanus* Richters, 1908; *Macrobiotus breckneri* Richters, 1910; *Macrobiotus ursellus* Della Valle, 1915; *Hypsibius murrayi* Marcus, 1929] <Amended by Gąsiorek *et al.* 2018a>  
*Hypsibius exemplaris* Gąsiorek, Stec, Morek & Michalczyk, 2018  
*Hypsibius fuhrmanni* (Heinis, 1914) {subjectively invalid according to Gąsiorek *et al.* 2018a}  
*Hypsibius giusepperamazzotti* Sudzuki, 1975  
*Hypsibius hypostomus* Bartoš, 1935  
*Hypsibius iskandarovi* Tumanov, 1997  
*Hypsibius kunmingensis* Yang, 2002  
*Hypsibius macrocalcaratus* Beasley, 1988  
*Hypsibius maculatus* Iharos, 1969  
*Hypsibius marcelli* Pilato, 1990

*Hypsibius microps* Thulin, 1928 <Amended by Kaczmarek & Michalczyk 2009>  
*Hypsibius montanus* Iharos, 1940 [*Hypsibius iharosi* Bartoš, 1941]  
*Hypsibius morikawai* Ito, 1995  
*Hypsibius multituberculatus* Pilato, Binda & Lisi, 2003  
*Hypsibius murrayi* (Richters, 1907) <Redescribed by Dastych 2018> [*Hypsibius heardensis*  
 Miller, McInnes & Bergstrom, 2005 according to Dastych 2018]  
*Hypsibius novaezeelandiae* Pilato & Binda, 1997  
*Hypsibius pachyunguis* Maucci, 1996  
*Hypsibius pallidus* Thulin, 1911 <Amended by Kaczmarek & Michalczyk 2009>  
*Hypsibius pedrotii* Bertolani, Manicardi & Gibertoni, 1987  
*Hypsibius pradellii* Bertolani & Rebecchi, 1996  
*Hypsibius ragonesei* Binda & Pilato, 1985  
*Hypsibius roanensis* Nelson & McGlothlin, 1993  
*Hypsibius runae* Bartoš, 1941  
*Hypsibius scabropygus* Cuénot, 1929  
*Hypsibius septulatus* Pilato, Binda, Napolitano & Moncada, 2004  
*Hypsibius seychellensis* Pilato, Binda & Lisi, 2006  
*Hypsibius shaanxiensis* H. Li & X. Li, 2008  
*Hypsibius stiliferus* Abe, 2004  
*Hypsibius valentinae* Pilato, Kiosya, Lisi & Sabella, 2012  
*Hypsibius vaskelae* Tumanov, 2018

Subfamily: Itaquasconinae Bartoš in Rudescu, 1964  
 <Amended by Bertolani *et al.* 2014>  
 <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 behanae* (Dastych, 1987)  
*Adropion belgicae* (Richters, 1911) [*Fujiscon diphasconiellum* Ito, 1991] <Amended by Bernard  
 1977>  
*Adropion gani* (X.-Z. Sun, X. Li & Feng, 2014)  
*Adropion gordonense* (Pilato, Claxton & Horning, 1991)  
*Adropion greveni* (Dastych, 1984)  
*Adropion linzhiensis* (X. Li, 2007)  
*Adropion 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 onorei* (Pilato, Binda, Napolitano & Moncada, 2002)  
***Adropion scoticum scoticum*** (Murray, 1905) [*Diphascon crozetense* Richters, 1907]  
*Adropion scoticum ommatophorum* (Thulin, 1911)  
*Adropion scoticum qinlingensis* (X. Li & Liu, 2005)  
*Adropion tricuspdatum* (Binda & Pilato, 2000)

*Adropion triodon* (Maucci, 1996)

*Astatumen* Pilato, 1997

*Astatumen bartosi* (Węglarska, 1959)

*Astatumen tamaensis* (Sudzuki, 1975)

*Astatumen tamurai* (Ito, 1990)

*Astatumen trinacriae* (Arcidiacono, 1962) [*Itaquascon ramazzottii* Iharos, 1966]

*Bindius* Pilato, 2009

<Transferred from Diphasconinae 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 cambewarrense* Pilato, Binda & Claxton, 2002

*Itaquascon enckelli* (Mihelčič, 1971/72)

*Itaquascon mongolicus* Kaczmarek, Michalczyk & Węglarska, 2002

*Itaquascon pilatoi* Lisi, Londoño & Quiroga, 2014

*Itaquascon pisoniae* Pilato & Lisi, 2009

*Itaquascon placophorum* Maucci, 1973

*Itaquascon simplex* (Mihelčič, 1971)

*Itaquascon umbellinae* de Barros, 1939

*Itaquascon unguiculum* 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 baumanni* (Ramazzotti, 1962)  
*Ramazzottius belubellus* Bartels, Nelson, Kaczmarek & Michalczyk, 2011  
*Ramazzottius bunikowskiae* Kaczmarek, Michalczyk & Diduszko, 2006  
*Ramazzottius caucasicus* Biserov, 1997/98  
*Ramazzottius conifer* (Mihelčič, 1938) <Transferred from *Hypsibius* by Gąsiorek *et al.* 2018a>  
*Ramazzottius edmondabouti* Séméria, 1993  
*Ramazzottius horningi* Binda & Pilato, 1994  
*Ramazzottius libycus* Pilato, D'Urso & Lisi, 2013

*Ramazzottius littoreus* Fontoura, Rubal & Veiga, 2017  
*Ramazzottius montivagus* (Dastych, 1983)  
*Ramazzottius nivalis* Dastych, 2006 <Amended by Guidetti *et al.* 2019b>  
*Ramazzottius novemcinctus* (Marcus, 1936)  
***Ramazzottius oberhaeuseri*** (Doyère, 1840) <Amended by Stec *et al.* 2018>  
*Ramazzottius rupeus* Biserov, 1999  
*Ramazzottius sabatiniae* Guidetti, Massa, Bertolani, Rebecchi & Cesari, 2019  
*Ramazzottius saltensis* (Claps & Rossi, 1984)  
*Ramazzottius semisculptus* Pilato & Rebecchi, 1992  
*Ramazzottius subanomalus* (Biserov, 1985)  
*Ramazzottius szeptycki* (Dastych, 1980) <Amended by Dastych 2009>  
*Ramazzottius theroni* Dastych, 1993  
*Ramazzottius thulini* (Pilato, 1970)  
*Ramazzottius tribulosus* Bertolani & Rebecchi, 1988  
*Ramazzottius valaamis* Biserov & Tumanov, 1993  
*Ramazzottius varieornatus* Bertolani & Kinchin, 1993

Superfamily: Isohypsibioidea Sands, McInnes, Marley, Goodal-Copestake, Convey & Linse, 2008

<Amended by Bertolani *et al.* 2014 and Gąsiorek *et al.* 2019e>

~~Order: ISOHYPYSIBIOIDEA Guil, Jørgensen & Kristensen, 2019 {see EUTARDIGRADA for explanation}~~

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

*Grevenius rusticus* (Pilato, Sabella & Lisi, 2015) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>

*Grevenius sismicus* (Maucci, 1978) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>

*Grevenius 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 maticci* (Pilato, 1971)

*Pseudobiotus megalonyx* (Thulin, 1928)

*Pseudobiotus spinifer* Chang, Kaczmarek, Lee & Michalczyk, 2007

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

*Thulinus* Bertolani, 2003

[*Thulinia* Bertolani, 1982]

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

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

*Thulinus itoi* (Tsurusaki, 1980)

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

*Thulinus ruffoi* (Bertolani, 1982)

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

***Thulinus stephaniae*** (Pilato, 1974)

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

*Halobiotus* Kristensen, 1982

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

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

*Halobiotus arcturulus* Crisp & Kristensen, 1983

***Halobiotus crispae*** Kristensen, 1982

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

*Halobiotus stenostomus* (Richters, 1908)

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

*Haplohexapodibius* Pilato & Beasley, 1987

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

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

*Haplomacrobotus* May, 1948

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

***Haplomacrobotus hermosillensis*** May, 1948

*Haplomacrobotus utahensis* Pilato & Beasley, 2005

*Hexapodibius* Pilato, 1969

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

*Hexapodibius bindae* Pilato, 1982

*Hexapodibius boothi* Dastych & McInnes, 1994

*Hexapodibius christenberryae* Pilato & Binda, 2003

***Hexapodibius micronyx*** Pilato, 1969

*Hexapodibius pseudomicronyx* Robotti, 1972

*Hexapodibius reginae* Vargha, 1995

*Parhexapodibius* Pilato, 1969

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

*Parhexapodibius bactrianus* Biserov, 1999

*Parhexapodibius castrii* (Ramazzotti, 1964)

***Parhexapodibius lagrecai*** (Binda & Pilato, 1969)

*Parhexapodibius pilatoi* (Bernard, 1977)

*Parhexapodibius ramazzottii* Manicardi & Bertolani, 1987

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

*Dastychius* Pilato, 2013

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

*Dianeae* Gąsiorek, Stec, Morek & Michalczyk, 2019

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

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

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

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

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

*Dianeae 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* (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>  
 2019e>  
***Dianeasattleri*** (Richters, 1902) [*Hypsibius bakonyiensis* Iharos, 1964] {the correct reference of Dastych 1990 cited in the previous check lists is: Dastych, H. (1991) *Isohypsibius sattleri* (Richters 1902), a valid species (Tardigrada). *Senckenbergiana biologica*, 71, 181–189.}  
 <Transferred from *Isohypsibius* by Gąsiorek *et al.* 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] {transferred into Halobiotidae already}

*Isohypsibius* Thulin, 1928

<Amended by Gąsiorek *et al.* 2019e>  
*Isohypsibius arbiter* Binda, 1980  
*Isohypsibius archangajensis* Kaczmarek & Michalczyk, 2004

*Isohypsibius arcuatus* (Bartoš, 1934)  
*Isohypsibius barbarae* Pilato & Binda, 2002  
*Isohypsibius borkini* Tumanov, 2003  
*Isohypsibius brulloi* Pilato & Pennisi, 1976  
*Isohypsibius cambrensis* (Morgan, 1976) [*Isohypsibius prosostomus cambrensis* (Morgan, 1976)  
 raised to a species rank by Gąsiorek *et al.* 2019e]  
*Isohypsibius campbellensis* Pilato, 1996  
*Isohypsibius canadensis* (Murray, 1910) <species dubia according to Gąsiorek *et al.* 2019e>  
*Isohypsibius ceciliae* Pilato & Binda, 1987  
*Isohypsibius changbaiensis* Yang, 1999 <species dubia according to Gąsiorek *et al.* 2019e>  
*Isohypsibius chiarae* Maucci, 1987 [*Isohypsibius bertolanii* Manicardi, 1989]  
*Isohypsibius condorcanquii* Kaczmarek, Cytan, Zawierucha, Diduszko & Michalczyk, 2014  
*Isohypsibius coulsoni* Kaczmarek, Zawierucha, Smykla & Michalczyk, 2012  
*Isohypsibius damxungensis* Yang, 2007 <species dubia according to Gąsiorek *et al.* 2019e>  
*Isohypsibius dastychi* Pilato, Bertolani & Binda, 1982  
*Isohypsibius glazovi* Biserov, 1999  
*Isohypsibius hadzii* (Mihelčič, 1938) <species dubia according to Gąsiorek *et al.* 2019e>  
*Isohypsibius jakieli* Dastych, 1984  
*Isohypsibius jingshanensis* Yang, 2003 <species dubia according to Gąsiorek *et al.* 2019e>  
*Isohypsibius jinhouensis* Yang, 2007 <species dubia according to Gąsiorek *et al.* 2019e>  
*Isohypsibius liae* X. Li & L. Wang, 2006 <nomen inquirendum according to Gąsiorek *et al.*  
 2019e>  
*Isohypsibius macrodactylus* (Maucci, 1978) [*Isohypsibius zierhofferi* Dastych, 1980 ]  
*Isohypsibius marcellinoi* Binda & Pilato, 1971  
*Isohypsibius occultus* Pilato, D'Urso, Sabella & Lisi, 2019  
*Isohypsibius palmai* Pilato, 1996  
*Isohypsibius panovi* Tumanov, 2005  
*Isohypsibius pauper* (Mihelčič, 1971) <nomen inquirendum according to Gąsiorek *et al.* 2019e>  
***Isohypsibius prosostomus*** Thulin, 1928  
*Isohypsibius pseudundulatus* (da Cunha & do Nascimento Ribeiro, 1964)  
*Isohypsibius reticulatus* Pilato, 1973  
*Isohypsibius sabellai* Pilato, Binda, Napolitano & Moncada, 2004  
*Isohypsibius schaudinni* (Richters, 1909) <nomen inquirendum according to Gąsiorek *et al.*  
 2019e>  
*Isohypsibius sculptus* (Ramazzotti, 1962)  
*Isohypsibius sellnicki* (Mihelčič, 1962)  
*Isohypsibius solidus* (Mihelčič, 1971)  
*Isohypsibius taibaiensis* X. Li & L. Wang, 2005  
*Isohypsibius tuberculatus* (Plate, 1888) <nomen inquirendum according to Gąsiorek *et al.* 2019e>  
*Isohypsibius undulatus* Thulin, 1928  
*Isohypsibius verrucosus* (Della Valle, 1915) [*Isohypsibius gibbus* (Marcus, 1928)] <nomen  
 inquirendum according to Gąsiorek *et al.* 2019e>  
*Isohypsibius wilsoni* (Horning, Schuster & Grigarick, 1978)  
*Isohypsibius yunnanensis* Yang, 2002 <species dubia according to Gąsiorek *et al.* 2019e>  
  
*Ursulinius* Gąsiorek, Stec, Morek & Michalczyk, 2019  
*Ursulinius austriacus* (Iharos, 1966) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

*Ursulinius montanus* (Mihelčič, 1938) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>  
 <nomen inquirendum according to Gąsiorek *et al.* 2019e>

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

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

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

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

*Ursulinius pilatoi* (Durante Pasa & Maucci, 1979) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>

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

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

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

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

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

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

*Ursulinius silvicola* (Iharos, 1966) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>  
<nomen inquirendum according to Gąsiorek *et al.* 2019e>  
*Ursulinius theresiae* (Iharos, 1964) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>  
<nomen inquirendum according to Gąsiorek *et al.* 2019e>  
*Ursulinius torulosus* (Mihelčič, 1959) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>  
*Ursulinius truncorum* (Iharos, 1964) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>  
*Ursulinius tucumanensis* (Claps & Rossi, 1984) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>  
*Ursulinius woodsae* (Kathman, 1990) <Transferred from *Isohypsibius* by Gąsiorek *et al.* 2019e>

*Vladimirobius* Kaczmarek, Bartylak & Roszkowska, 2020

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

*Weglarskobius* Kaczmarek, Bartylak & Roszkowska, 2020

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

*Incertae sedis*

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

*Ramajendas* Pilato & Binda, 1990

{probably belongs to the family Ramazzottiidae according to Bertolani *et al.* 2014}  
<Transferred from Ramazzottiidae to Isohypsibiidae by Zawierucha *et al.* 2018b; Transferred from Isohypsibiidae by Gąsiorek *et al.* 2019e>

*Ramajendas dastychi* Kaczmarek, Janko, Smykla & Michalczyk, 2013

*Ramajendas frigidus* Pilato & Binda, 1990

*Ramajendas heatwolei* Miller, Horning & Dastych, 1995

***Ramajendas renaudi*** (Ramazzotti, 1972)

*Thalerius* Dastych, 2009

{to be confirmed in the family Isohypsibiidae, see Marley *et al.* 2011; probably belongs to the family Ramazzottiidae according to Bertolani *et al.* 2014}

<Transferred from Ramazzottiidae to Isohypsibiidae by Zawierucha *et al.* 2018b; Transferred from Isohypsibiidae by Gąsiorek *et al.* 2019e>

***Thalerius konradi*** Dastych, 2009

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

Order: MACROBIOTOIDEA Guil, Jørgensen & Kristensen, 2019 {see EUTARDIGRADA for explanation}

<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) [*Macrobilotus eugranulatus* Maucci, 1993]

*Calcarobiotus (Discrepunguis) tetrannulatus* Pilato, Binda & Lisi, 2004

*Famelobiotus* Pilato, Binda & Lisi, 2004

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

*Insuetifurca* Guidetti & Pilato, 2003

***Insuetifurca arrowsmithi*** (Kathman & Nelson, 1989)

*Insuetifurca austronipponica* Abe, 2005

*Insuetifurca fujiense* (Ito, 1997)

*Insuetifurca xiae* (X. Li, Su & Yu, 2004) <Amended and transferred from *Biserovus* by Li 2009>

*Macrobilotus* C.A.S. Schultze, 1834

*Macrobilotus acadianus* (Meyer & Domingue, 2011) {Transferred from *Minibiotus* by Stec *et al.* 2015}

*Macrobilotus almadai* Fontoura, Pilato & Lisi, 2008

*Macrobilotus alvaroi* Pilato & Kaczmarek, 2007

*Macrobilotus anderssoni* Richters, 1907

*Macrobilotus andinus* Maucci, 1988

*Macrobilotus anemone* Meyer, Domingue & Hinton, 2014

*Macrobilotus annae* Richters, 1908

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

*Macrobilotus artipharyngis* Iharos, 1940

*Macrobilotus ascensionis* Richters, 1908

*Macrobilotus biserovi* Bertolani, Guidi & Rebecchi, 1996

*Macrobilotus brevipes* Mihelčič, 1971/72

*Macrobilotus caelestis* Coughlan, Michalczyk & Stec, 2019

*Macrobilotus caelicola* Kathman, 1990

*Macrobilotus canaricus* Stec, Krzywański & Michalczyk, 2018

*Macrobilotus carsicus* Maucci, 1954

*Macrobilotus caymanensis* Meyer, 2011

*Macrobilotus crenulatus* Richters, 1904 [*Macrobilotus 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 kolleri* 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

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

*Mesobiotus erminiae* (Binda & Pilato, 1999) <Transferred from *Macrobotus* 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) [*Macrobotus ehrenbergi* Heinis, 1921; *Macrobotus furcatus* Murray, 1906] <Transferred from *Macrobotus* by Vecchi *et al.* 2016a>

***Mesobiotus harmsworthi*** (Murray, 1907) <Transferred from *Macrobotus* 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 *Macrobotus* 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 *Macrobotus* by Vecchi *et al.* 2016a>

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

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

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

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

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

*Mesobiotus mauccii* (Pilato, 1974) <Transferred from *Macrobotus* by Vecchi *et al.* 2016a>

*Mesobiotus meridionalis* (Richters, 1909) <Transferred from *Macrobotus* by Vecchi *et al.* 2016a>

*Mesobiotus montanus* (Murray, 1910) [*Macrobotus morulatus* Bartoš, 1936] <Transferred from *Macrobotus* by Vecchi *et al.* 2016a>

*Mesobiotus mottai* (Binda & Pilato, 1994) <Transferred from *Macrobotus* by Vecchi *et al.* 2016a>

*Mesobiotus neuquensis* (Rossi, Claps & Ardohain, 2009) <Transferred from *Macrobotus* by Vecchi *et al.* 2016a>

*Mesobiotus nikolaevae* Tumanov, 2018

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

*Mesobiotus occultatus* Kaczmarek, Zawierucha, Buda, Stec, Gawlak, Michalczyk & Roszkowska, 2018

*Mesobiotus orcadensis* (Murray, 1907) <Transferred from *Macrobotus* by Vecchi *et al.* 2016a>

*Mesobiotus ovostratus* (Pilato & Patanè, 1998) <Transferred from *Macrobotus* by Vecchi *et al.* 2016a>

*Mesobiotus patiens* (Pilato, Binda, Napolitano & Moncada, 2000) <Transferred from *Macrobotus* by Vecchi *et al.* 2016a>

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

*Mesobiotus peterseni* (Maucci, 1991) <Transferred from *Macrobotus* by Vecchi *et al.* 2016a>

*Mesobiotus philippinicus* Mapalo, Stec, Mirano-Bascos & Michalczyk, 2016

*Mesobiotus pilatoi* (Binda & Rebecchi, 1992) <Transferred from *Macrobotus* 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. Dueñas-Cedillo & García-Román, 2020 in Dueñas-Cedillo *et al.* 2020

*Minibiotus claxtonae* Rossi, Claps & Ardohain, 2009  
*Minibiotus constellatus* Michalczyk & Kaczmarek, 2003  
*Minibiotus continuus* Pilato & Lisi, 2006  
*Minibiotus crassidens* (Murray, 1907)  
*Minibiotus decrescens* Binda & Pilato, 1995  
*Minibiotus 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 poricinctus* Claxton, 1998  
*Minibiotus pseudostellarus* Roszkowska, Stec, Ciobanu & Kaczmarek, 2016  
*Minibiotus pustulatus* (Ramazzotti, 1959)  
*Minibiotus ramazzottii* Binda & Pilato, 1992  
*Minibiotus scopulus* Claxton, 1998  
*Minibiotus sidereus* Pilato, Binda & Lisi, 2003  
*Minibiotus stuckenbergi* (Dastych, Ryan & Watkins, 1990) <Transferred from *Macrobiotus* by Dastych & Drummond 1996>  
*Minibiotus subintermedius* (Ramazzotti, 1962)  
*Minibiotus taiti* Claxton, 1998  
*Minibiotus vinciguerrae* Binda & Pilato, 1992  
*Minibiotus weglarskae* Michalczyk, Kaczmarek & Claxton, 2005  
*Minibiotus weinerorum* (Dastych, 1984) <Transferred from *Macrobiotus* by Miller *et al.* 1994>  
*Minibiotus wuzhishanensis* X. Li, D. Wang & L. Wang, 2008  
*Minibiotus xavieri* Fontoura, Pilato, Morais & Lisi, 2009

*Minilentus* Guidetti & Pilato, 2003

***Minilentus dubius*** (Schuster & Toftner, 1982)

*Paramacrobiotus* Guidetti, Schill, Bertolani, Dandekar & Wolf, 2009  
 <Generic diagnosis amended by Kaczmarek *et al.* 2017>  
 {The genus was split into two subgenera named *Paramacrobiotus* Guidetti *et al.*, 2009 and *Amicrobiotus* Marley *et al.*, 2018 by Kaczmarek *et al.* 2017 and Marley *et al.* 2018; The two subgenera should be not considered valid according to Guidetti *et al.* 2019a}

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

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

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

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

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

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

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

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

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

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

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

*Paramacrobiotus depressus* Guidetti, Cesari, Bertolani, Altiero & Rebecchi, 2019

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

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

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

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

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

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

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

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

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

*Paramacrobiotus intii* Kaczmarek, Cytan, Zawierucha, Diduszko & Michalczyk, 2014

- 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 klymenki* Pilato, Kiosya, Lisi & Sabella, 2012
- Paramacrobotus lachowskae* Stec, Roszkowska, Kaczmarek & Michalczyk, 2018
- Paramacrobotus lorenae* (Biserov, 1996) <Transferred from *Macrobotus* by Guidetti *et al.* 2009>
- Paramacrobotus magdalena* (Michalczyk & Kaczmarek, 2006) <Transferred from *Macrobotus* by Guidetti *et al.* 2009>
- 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 peteri* (Pilato, Claxton & Binda, 1989) <Transferred from *Macrobotus* by Guidetti *et al.* 2009>
- Paramacrobotus pius* Lisi, Binda & Pilato, 2016
- Paramacrobotus privitera* (Binda, Pilato, Moncada & Napolitano, 2001) <Transferred from *Macrobotus* by Degma 2013>
- 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 rioplatensis* (Claps & Rossi, 1997) {doubly attributed to the genus; Guidetti *et al.* 2009}
- Paramacrobotus sagani* Daza, Caicedo, Lisi & Quiroga, 2017
- Paramacrobotus savai* (Binda & Pilato, 2001) <Transferred from *Macrobotus* by Guidetti *et al.* 2009>
- Paramacrobotus sklodowskae* (Michalczyk, Kaczmarek & Węglarska, 2006) <Transferred from *Macrobotus* by Degma 2013>
- Paramacrobotus spatialis* Guidetti, Cesari, Bertolani, Altiero & Rebecchi, 2019
- Paramacrobotus spinosus* Kaczmarek, Gawlak, Bartels, Nelson & Roszkowska, 2017
- Paramacrobotus submorulatus* (Iharos, 1966) <Amended and transferred from *Macrobotus* by Kaczmarek *et al.*, 2017>
- Paramacrobotus tonollii* (Ramazzotti, 1956) <Transferred from *Macrobotus* by Guidetti *et al.* 2009>
- 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 walteri* (Biserov, 1997/98) <Transferred from *Macrobotus* by Guidetti *et al.* 2009>
- Paramacrobotus wauensis* (Iharos, 1973) <Amended and transferred from *Macrobotus* by Kaczmarek *et al.*, 2017>
- Pseudodiphascon* Ramazzotti, 1965 *genus dubium* [in Guidetti & Pilato 2003]
- Pseudodiphascon inflexum*** (Arcidiacono, 1964)
- Pseudohexapodibius* Bertolani & Biserov, 1996
- Pseudohexapodibius degenerans*** (Biserov, 1990)

*Schusterius* Kaczmarek & Michalczyk, 2006

*Schusterius tridigitus* (R.O. Schuster, 1983)

*Tenuibiotus* Pilato & Lisi, 2011

*Tenuibiotus bondavallii* (Manicardi, 1989) <Transferred from *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)

***Crenubiotus*** Lisi, Londoño & Quiroga, 2020

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

***Crenubiotus revelator*** Lisi, Londoño & Quiroga, 2020

*Diaforobiodus* Guidetti, Rebecchi, Bertolani, Jönsson, Kristensen & Cesari, 2016

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

*Diaforobiodus 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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