

Actual checklist of Tardigrada species (2009-2017, 33rd Edition: 15-10-2017)

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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.

This checklist is free for all users, but utilization of it requires the citation of the two original papers. This checklist is the platform for occasional upgrades (date of latest upgrade is in the title). All changes, additions and corrections in comparison with both papers are written in red font, the changings respect to the previous version of the checklist have yellow background.

If you also use these changes, please also cite this checklist (Degma, P., Bertolani, R. & Guidetti, R. **Actual checklist of Tardigrada species.** <http://www.tardigrada.modena.unimo.it/miscellanea/Actual%20checklist%20of%20Tardigrada.pdf>, pp. 46. Accessed *date*).

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

Acknowledgements

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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*)

TARDIGRADA Doyère, 1840

HETEROTARDIGRADA Marcus, 1927

ARTHROTARDIGRADA Marcus, 1927

Archechiniscidae Binda, 1978

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

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

Archechiniscus Schulz, 1953

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

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 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 friaui Riggan, 1962

Batillipes gilmartini McGinty, 1969

Batillipes lesteri Kristensen & Mackness, 2000

Batillipes lingularum Menechella, Bulnes & Cazzaniga, 2017

Batillipes littoralis Renaud-Debyser, 1959
Batillipes longispinosus Chang & Rho, 1997
Batillipes 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, Min & Chang, 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

Coronarctidae Renaud-Mornant, 1974

Coronarctus Renaud-Mornant, 1974

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

Trogloarctus Villora-Moreno, 1996

Trogloarctus trionyches Villora-Moreno, 1996

Halechiniscidae Thulin, 1928

<Amended by Fujimoto *et al.* 2016>

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 borrhori Pollock, 1995 [*Hemitanarctus chimaera* de Zio Grimaldi, D'Addabbo Gallo, Morone De Lucia & Troccoli, 1995/96]

Dipodarctus subterraneus (Renaud-Debyser, 1959)

Dipodarctus susannae Jørgensen, Boesgaard, Møbjerg & Kristensen, 2014

Euclavarctinae Renaud-Mornant, 1983

Clavarctus Renaud-Mornant, 1983

Clavarctus falculus Renaud-Mornant, 1983

Euclavarctus Renaud-Mornant, 1975

<Amended by Renaud-Mornant 1983>

Euclavarctus convergens Renaud-Mornant, 1983

Euclavarctus thieli Renaud-Mornant, 1975

Exoclavarctus Renaud-Mornant, 1983

Exoclavarctus dineti Renaud-Mornant, 1983

Moebjergarctus Bussau, 1992

Moebjergarctus manganis Bussau, 1992

Parmursa Renaud-Mornant, 1984

Parmursa fimbriata Renaud-Mornant, 1984

Parmursa torquata Hansen, 2007

Proclavarctus Renaud-Mornant, 1983

Proclavarctus fragilis Renaud-Mornant, 1983

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, 2017

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

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

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

Quisarctinae Fujimoto, 2015

Quisarctus Fujimoto, 2015

Quisarctus yasumurai Fujimoto, 2015

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

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

Neostygarctus oceanopolis Kristensen, Sørensen, Hansen & Zeppilli, 2015

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

Stygarctidae Schulz, 1951

<Amended by Hansen *et al.* 2012>

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

Stygarctinae Schulz, 1951

Faroestygartus Hansen, Kristensen & Jørgensen, 2012
Faroestygartus dezioae Hansen, Kristensen & Jørgensen, 2012

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

~~*Neostygartus* Grimaldi de Zio, D'Addabbo Gallo & Morone De Lucia, 1982 { see
Neostygartidae }
<Transferred from Neostygartidae by Hansen *et al.* 2012>~~
~~*Neostygartus acanthophorus* Grimaldi de Zio, D'Addabbo Gallo & Morone De Lucia, 1982
Neostygartus lovedeluxe Fujimoto & Miyazaki, 2013 {species described in Neostygartidae by
Fujimoto & Miyazaki 2013}~~
Neostygartus oceanopolis Kristensen, Sørensen, Hansen & Zeppilli, 2015

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

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

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

Stygartus Schulz, 1951
Stygartus abornatus McKirdy, Schmidt & McGinty-Bayly, 1976
Stygartus ayatori Fujimoto, 2014
Stygartus bradypus Schulz, 1951
Stygartus gourbaultae Renaud-Mornant, 1981
Stygartus granulatus Pollock, 1970

Stygarctus lambertii Grimaldi de Zio, D'Addabbo Gallo, Morone De Lucia & Daddabbo, 1987
Stygarctus spinifer Hiruta, 1985

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

Angursa antarctica Villora-Moreno, 1998

Angursa bicuspis bicuspis Pollock, 1979

Angursa bicuspis abyssalis Renaud-Mornant, 1981 {for taxonomic status of the subspecies see Kaczmarek *et al.* 2015}

Angursa capsula Bussau, 1992

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

Angursa lanceolata Renaud-Mornant, 1981

Angursa lingua Bussau, 1992

Bathyechiniscus Steiner, 1926

Bathyechiniscus tetronyx Steiner, 1926 <Amended by Pollock 1983>

Lepoarctus Kristensen & Renaud-Mornant, 1983

Lepoarctus coniferus (Renaud-Mornant, 1975)

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

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

Pleocola Cantacuzène, 1951

Pleocola limnoriae Cantacuzène, 1951

Raiarctus Renaud-Mornant, 1981

<Amended by Jørgensen *et al.* 2014>

Raiarctus aureolatus Renaud-Mornant, 1981

Raiarctus colurus Renaud-Mornant, 1981

Raiarctus jesperii Jørgensen, Boesgaard, Møbjerg & Kristensen, 2014

Raiarctus katrinae Jørgensen, Boesgaard, Møbjerg & Kristensen, 2014

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

Rhomboarctus Renaud-Mornant, 1984

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

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

Rhomboarctus thomassini Renaud-Mornant, 1984

Styraconyx Thulin, 1942

Styraconyx craticuliformis Chang & Rho, 1998

Styraconyx craticulus (Pollock, 1983)

Styraconyx hallasi Kristensen, 1977

Styraconyx haploceros Thulin, 1942
Styraconyx kristenseni kristenseni Renaud-Mornant, 1981
Styraconyx kristenseni neocaledonensis Renaud-Mornant, 1981
Styraconyx nanoqsunguak Kristensen & Higgins, 1984
Styraconyx paulae Robotti, 1971
Styraconyx qivitoq Kristensen & Higgins, 1984
Styraconyx sardiniae D'Addabbo Gallo, Morone De Lucia & Grimaldi de Zio, 1989
Styraconyx sargassi Thulin, 1942
Styraconyx testudo D'Addabbo Gallo, Grimaldi de Zio & Morone De Lucia, 1984
Styraconyx turbinarium Bartels, Fontoura & Nelson, 2015
Styraconyx tyrrhenus D'Addabbo Gallo, Morone De Lucia & Grimaldi de Zio, 1989

Tetrakentron Cuénot, 1892

Tetrakentron synaptae Cuénot, 1892

Tholoarctus Kristensen & Renaud-Mornant, 1983

<Amended by Jørgensen *et al.* 2014>

Tholoarctus natans natans Kristensen & Renaud-Mornant, 1983
Tholoarctus natans pedunculatus D'Addabbo Gallo, de Zio Grimaldi, Morone De Lucia & Troccoli, 1992

Tholoarctus olesenii Jørgensen, Boesgaard, Møbjerg & Kristensen, 2014

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 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

ECHINISCOIDEA Richters, 1926

Echiniscoididae Kristensen & Hallas, 1980

Echiniscoidinae Kristensen & Hallas, 1980 {not explicitly defined by Møbjerg *et al.* (2016) who erected the Isoechiniscoidinae within Echiniscoididae}

Anisonyches Pollock, 1975
Anisonyches deliquus Chang & Rho, 1998
Anisonyches diakidius Pollock, 1975
Anisonyches mauritanus Grimaldi de Zio, D'Addabbo Gallo, Morone De Lucia & Daddabbo, 1987

Echiniscoides Plate, 1888
Echiniscoides andamanensis Chang & Rho, 1998
Echiniscoides bruni D'Addabbo Gallo, Grimaldi de Zio, Morone De Lucia & Troccoli, 1992
Echiniscoides hoepneri Kristensen & Hallas, 1980
Echiniscoides horningi Miller & Kristensen, 1999
Echiniscoides pollocki Hallas & Kristensen, 1982
Echiniscoides 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

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

Carphaniidae Binda & Kristensen, 1986

Carphania Binda, 1978

Carphania fluviatilis Binda, 1978

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]

Echiniscidae Thulin, 1928

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

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

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

Acanthechiniscus islandicus (Richters, 1904) <Transferred from *Pseudechiniscus* by Vecchi *et al.* 2016>

Acanthechiniscus sinensis (Rahm, 1937) <Transferred from *Pseudechiniscus* by Vecchi *et al.* 2016>

Acanthechiniscus victor (Ehrenberg, 1853) [*Pseudechiniscus tridentifer* Bartoš, 1935]
<Transferred from *Pseudechiniscus* by Vecchi *et al.* 2016>

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)

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 asiaticus Kaczmarek & Michalczyk, 2004

Bryodelphax atlantis Fontoura, Pilato & Lisi, 2008

Bryodelphax brevidentatus Kaczmarek, Michalczyk & Degma, 2005

Bryodelphax crossotus Grigarick, Schuster & Nelson, 1983

Bryodelphax dominicanus (Schuster & Toftner, 1982)

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

Bryodelphax ortholineatus (Bartoš, 1963)

Bryodelphax parvulus Thulin, 1928

Bryodelphax parvuspolaris Kaczmarek, Zawierucha, Smykla & Michalczyk, 2012

Bryodelphax sinensis (Pilato, 1974)

Bryodelphax tatrensis (Węglarska, 1959)

Bryodelphax weglarskae (Pilato, 1972)

Cornechiniscus Maucci & Ramazzotti, 1981

Cornechiniscus brachycornutus Maucci, 1987

Cornechiniscus ceratophorus (Maucci, 1973)

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

Cornechiniscus holmeni (Petersen, 1951)

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

Cornechiniscus madagascariensis Maucci, 1993

Cornechiniscus schrammi (Dastych, 1979)

Cornechiniscus subcornutus Maucci & Ramazzotti, 1981

Cornechiniscus tibetanus (Maucci, 1979)

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

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

Echiniscus C.A.S. Schultze, 1840

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

Echiniscus arthuri Pilato, Binda & Lisi, 2005

Echiniscus azoricus Fontoura, Pilato & Lisi, 2008

Echiniscus baius Marcus, 1928

Echiniscus baloghi Iharos, 1973

Echiniscus barbarae Kaczmarek & Michalczyk, 2002

Echiniscus batramiae Iharos, 1936

Echiniscus becki Schuster & Grigarick, 1966

Echiniscus bigranulatus Richters, 1907

Echiniscus bisculptus Maucci, 1983

Echiniscus blumi blumi Richters, 1903 [*Echiniscus ramazzottii* Binda & Pilato, 1969]

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 capillatus Ramazzotti, 1956
Echiniscus carsicus Mihelčič, 1966
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 cirinoi Binda & Pilato, 1993
Echiniscus clavispinosus Fontoura, Pilato & Lisi, 2011
Echiniscus clevelandi Beasley, 1999
Echiniscus columinis Murray, 1911
Echiniscus corrugicaudatus McInnes, 2009
Echiniscus crassispinosus crassispinosus Murray, 1907
Echiniscus crassispinosus fasciatus Marcus, 1928
Echiniscus crebraclava Sun, X. Li & Feng, 2014
Echiniscus curiosus Claxton, 1996
Echiniscus dariae Kaczmarek & Michalczyk, 2010
Echiniscus darienae Miller, Horning & Dastych, 1995
Echiniscus dearmatus Bartoš, 1935 [*Echiniscus szaboi* Iharos, 1973]
Echiniscus dikenli Maucci, 1973
Echiniscus diploglyptus Durante Pasa & Maucci, 1975
Echiniscus divergens Marcus, 1936
Echiniscus dreyfusi de Barros, 1942
Echiniscus duboisi Richters, 1902
Echiniscus egnatae Durante Pasa & Maucci, 1979
Echiniscus ehrenbergi Dastych & Kristensen, 1995
Echiniscus elaeinae Pilato, Binda & Lisi, 2005
Echiniscus elegans Richters, 1907
Echiniscus evelinae de Barros, 1942
Echiniscus filamentosus Plate, 1888
Echiniscus ganczareki Michalczyk & Kaczmarek, 2007
Echiniscus glaber Bartoš, 1937
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 horningi Schuster & Grigarick, 1971
Echiniscus inocelatus Mihelčič, 1938 [*Echiniscus inocellatus* Mihelčič, 1964]
Echiniscus insuetus Mihelčič, 1967
Echiniscus jagodici Mihelčič, 1951
Echiniscus jamesi Claxton, 1996

Echiniscus japonicus Morikawa, 1951
Echiniscus jenningsi Dastych, 1984
Echiniscus kerguelensis Richters, 1904
Echiniscus knowltoni Schuster & Grigarick, 1971
Echiniscus kofordi Schuster & Grigarick, 1966
Echiniscus kosickii Kaczmarek & Michalczyk, 2010
Echiniscus lapponicus Thulin, 1911
Echiniscus laterosetosus Ito, 1993
Echiniscus laterospinosus Rudescu, 1964
Echiniscus latifasciatus Dudichev & Biserov, 2000
Echiniscus lichenorum Maucci, 1983
Echiniscus limai da Cunha & do Nascimento Ribeiro, 1964
Echiniscus lineatus Pilato, Fontoura, Lisi & Beasley, 2008
Echiniscus longispinosus Murray, 1907
Echiniscus loxophthalmus Richters, 1911
Echiniscus madonnae Michalczyk & Kaczmarek, 2006
Echiniscus maesi Séméria, 1985
Echiniscus malpighii Biserov, 1994
Echiniscus manuelae da Cunha & do Nascimento Ribeiro, 1962
Echiniscus marculi Pilato, Claxton & Binda, 1989
Echiniscus marginatus Binda & Pilato, 1994
Echiniscus marginoporus Grigarick, Schuster & Nelson, 1983
Echiniscus markezi Mihelčič, 1971/72
Echiniscus marleyi X. Li, 2007
Echiniscus maucii Ramazzotti, 1956
Echiniscus mediantus Marcus, 1930
Echiniscus merokensis merokensis Richters, 1904 [*Echiniscus iharosi* Rudescu, 1964]
Echiniscus merokensis suecicus Thulin, 1911
Echiniscus migiurtinus Franceschi, 1957
Echiniscus mihelcici Iharos, 1973
Echiniscus militaris Murray, 1911
Echiniscus molluscorum Fox & Garcia-Moll, 1962
Echiniscus moniliatus Iharos, 1967
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 nobilis Mihelčič, 1967
Echiniscus ollantaytamboensis Nickel, Miller & Marley, 2001
Echiniscus osellai Maucci, 1975
Echiniscus pajstunensis Bartoš, 1941
Echiniscus palmai Dastych, 1997
Echiniscus pardalis Degma & Schill, 2015
Echiniscus perarmatus Murray, 1907
Echiniscus peruvianus Binda & Pilato, 1994

Echiniscus perviridis Ramazzotti, 1959
Echiniscus phocae du Bois-Reymond Marcus, 1944
Echiniscus polygonalis Ito, 1993
Echiniscus pooensis Rodriguez-Roda, 1948
Echiniscus porabrus Horning, Schuster & Grigarick, 1978
Echiniscus postojnensis Mihelčič, 1967 [*Echiniscus loxoptalmus* Mihelčič, 1939]
Echiniscus pseudelegans Séméria, 1994
Echiniscus pseudowendti Dastych, 1984
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 ranzii Ramazzotti, 1964
Echiniscus reticulatus Murray, 1905
Echiniscus reymondi Marcus, 1928
Echiniscus robertsi Schuster & Grigarick, 1965
Echiniscus rodnae Claxton, 1996
Echiniscus rufoviridis du Bois-Reymond Marcus, 1944
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 simba Marcus, 1928
Echiniscus speciosus Mihelčič, 1967 [*Echiniscus roseus* Mihelčič, 1967]
Echiniscus spiculifer Schaudinn, 1901
Echiniscus spiniger Richters, 1904
Echiniscus spinulosus (Doyère, 1840)
Echiniscus storkani Bartoš, 1940
Echiniscus sylvanus Murray, 1910
Echiniscus taibaiensis L. Wang & X. Li, 2005
Echiniscus tamus Mehlen, 1969 <Amended by Miller & Mehlen 2007>
Echiniscus tardus Mihelčič, 1951
Echiniscus tenuis Marcus, 1928
Echiniscus tessellatus Murray, 1910
Echiniscus testudo (Doyère, 1840) [*Echiniscus bellermanni* C.A.S. Schultze, 1840; *Echiniscus inermis* Richters, 1902; *Echiniscus trifilis* Rahm, 1921; *Echiniscus filamentosus mongoliensis* Iharos, 1973]
Echiniscus trisetosus Cuénot, 1932
Echiniscus trojanus Maucci, 1973
Echiniscus tropicalis Binda & Pilato, 1995
Echiniscus tympanista Murray, 1911
Echiniscus velaminis Murray, 1910

Echiniscus vinculus Horning, Schuster & Grigarick, 1978
Echiniscus virginicus Riggin, 1962 <Amended by Christenberry & Mason 1979>
Echiniscus viridianus Pilato, Fontoura & Lisi, 2007
Echiniscus viridis Murray, 1910 <Amended by Pilato *et al.* 2008a>
Echiniscus viridissimus Péterfi, 1956
Echiniscus walteri Pilato & Lisi, 2003
Echiniscus weisseri Maucci, 1978
Echiniscus wendti Richters, 1903
Echiniscus zetotrymus Horning, Schuster & Grigarick, 1978

Hypechiniscus Thulin, 1928

Hypechiniscus exarmatus (Murray, 1907) [*Oreella breviclava* Grigarick, Schuster & Nelson, 1983]
Hypechiniscus fengi Sun & X. Li, 2013
Hypechiniscus gladiator gladiator (Murray, 1905) [*Parechiniscus unispinosus* da Cunha, 1947]
Hypechiniscus gladiator bigladii (Iharos, 1973)
Hypechiniscus gladiator fissigladii (Iharos, 1973)
Hypechiniscus gladiator spinulosa (Iharos, 1973)
Hypechiniscus papillifer Robotti, 1972

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>

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.* 2016>

Pseudechiniscus alberti Dastych, 1987
Pseudechiniscus asper Abe, Utsugi & Takeda, 1998

Pseudechiniscus bartkei Węglarska, 1962
Pseudechiniscus beasleyi X. Li, L. Wang & Yu, 2007
Pseudechiniscus bidenticulatus Bartoš, 1963
Pseudechiniscus bispinosus (Murray, 1907)
Pseudechiniscus brevimontanus Kendall-Fite & Nelson, 1996
Pseudechiniscus chengi Xue, X. Li, L. Wang, Xian, Chen, 2017
Pseudechiniscus clavatus Mihelčič, 1955
Pseudechiniscus conifer (Richters, 1904)
Pseudechiniscus dicrani Mihelčič, 1938
Pseudechiniscus facettalis Petersen, 1951 [*Pseudechiniscus pseudoconifer facettalis* Maucci, 1954]
Pseudechiniscus gullii Pilato & Lisi, 2006
Pseudechiniscus insolitus Maucci, 1991
Pseudechiniscus jiroveci Bartoš, 1963
Pseudechiniscus juanita de Barros, 1939 [*Pseudechiniscus suillus francisca* de Barros, 1942]
Pseudechiniscus jubatus Biserov, 1990
Pseudechiniscus megacephalus Mihelčič, 1951
Pseudechiniscus nataliae Biserov & Maucci, 1986
Pseudechiniscus novaezeelandiae novaezeelandiae (Richters, 1908)
Pseudechiniscus novaezeelandiae aspinosa Iharos, 1963
Pseudechiniscus novaezeelandiae laterospinosa Iharos, 1963
Pseudechiniscus novaezeelandiae marinae Bartoš, 1934
Pseudechiniscus occultus Dastych, 1980
Pseudechiniscus papillosus X. Li, L. Wang, Liu & Su, 2005
Pseudechiniscus pilatoi X. Li, 2007
Pseudechiniscus pseudoconifer Ramazzotti, 1943
Pseudechiniscus pulcher (Murray, 1910)
Pseudechiniscus quadrilobatus Iharos, 1969
Pseudechiniscus ramazzottii ramazzottii Maucci, 1952
Pseudechiniscus ramazzottii facettalis Iharos, 1964 [*Pseudechiniscus ramazzottii lineatus* Maucci, 1973-74]
Pseudechiniscus santomensis Fontoura, Pilato & Lisi, 2010
Pseudechiniscus scorteccii Franceschi, 1952
Pseudechiniscus shilinensis Yang, 2002
Pseudechiniscus spinerectus Pilato, Binda, Napolitano & Moncada, 2001
Pseudechiniscus suillus (Ehrenberg, 1853) [*Echiniscus mutabilis* Murray, 1905]
Pseudechiniscus titianae Vecchi, Cesari, Bertolani, Jönsson, Rebecchi & Guidetti, 2016
Pseudechiniscus transsylvanicus Iharos, 1936
Pseudechiniscus yunnanensis L. Wang, 2009

Testechiniscus Kristensen, 1987
Testechiniscus laterculus (Schuster, Grigarick & Toftner, 1980)
Testechiniscus macronyx (Richters, 1907)
Testechiniscus meridionalis (Murray, 1906)
Testechiniscus 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]

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

THERMOZODIA Ramazzotti & Maucci, 1983

Thermozodiidae Rahm, 1937

Thermozodium Rahm, 1937

Thermozodium esakii Rahm, 1937

EUTARDIGRADA Richters, 1926

APOCHELA Schuster, Nelson, Grigarick & Christenberry, 1980

Milnesiidae Ramazzotti, 1962

Bergtrollus Dastych, 2011

Bergtrollus dzimbowski Dastych, 2011

Limmenius Horning, Schuster & Grigarick, 1978

Limmenius porcellus Horning, Schuster & Grigarick, 1978

Milnesioides Claxton, 1999

Milnesioides exsertum Claxton, 1999

Milnesium Doyère, 1840

Milnesium alabamae Wallendorf & Miller, 2009

Milnesium almatyense Tumanov, 2006

Milnesium alpigenum Ehrenberg, 1853 {valid according to Morek *et al.* 2016}

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 dornensis Ciobanu, Roszkowska & Kaczmarek, 2015

Milnesium dujiangensis Yang, 2003 {*nomen dubium* according to Morek *et al.* 2016}

Milnesium eurytomum 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 jacobi Meyer & Hinton, 2010

Milnesium katarzynae Kaczmarek, Michalczyk & Beasley, 2004

Milnesium kogui Londoño, Daza, Caicedo, Quiroga & Kaczmarek, 2015

Milnesium krzysztofi Kaczmarek & Michalczyk, 2007
Milnesium lagniappe Meyer, Hinton & Dupré, 2013
Milnesium longiungue Tumanov, 2006
Milnesium minutum Pilato & Lisi, 2016
Milnesium quadrifidum Nederström, 1919 {valid according to Morek *et al.* 2016}
Milnesium reductum Tumanov, 2006
Milnesium reticulatum Pilato, Binda & Lisi, 2002
Milnesium sandrae Pilato & Lisi, 2016
Milnesium shilohae Meyer, 2015
Milnesium swansoni Young, Chappell, Miller & Lowman, 2016
Milnesium swolenskyi Bertolani & Grimaldi, 2000 {fossil species}
Milnesium tardigradum tardigradum Doyère, 1840 <Amended by Michalczyk *et al.* 2012>
Milnesium tardigradum trispinosa Rahm, 1931 {*nomen dubium* according to Morek *et al.* 2016}
{not valid according to Suzuki 2016}
Milnesium tetralamellatum Pilato & Binda, 1991
Milnesium tumanovi Pilato, Sabella & Lisi, 2016
Milnesium validum Pilato, Sabella, D'Urso & Lisi, 2017
Milnesium variefidum Morek, Gąsiorek, Stec, Blagden & Michalczyk, 2016
Milnesium vorax Pilato, Sabella & Lisi, 2016
Milnesium zsalakoe Meyer & Hinton, 2010

PARACHELA Schuster, Nelson, Grigarick & Christenberry, 1980

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

Eohypsibiidae Bertolani & Kristensen, 1987
<Amended by Trygvadóttir & Kristensen 2011>
[Amphibolidae R. 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* R. 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

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

<Amended by Bertolani *et al.* 2014>

Calohypsibiidae Pilato, 1969

<Amended by Bertolani *et al.* 2014>

Calohypsibius Thulin, 1928

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

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

Calohypsibius maliki Michalczyk & Kaczmarek, 2005

Calohypsibius placophorus (da Cunha, 1943)

Calohypsibius schusteri Nelson & McGlothlin, 1996

Calohypsibius verrucosus (Richters, 1900) [*Calohypsibius scabrosus* Thulin, 1928]

Hypsibiidae Pilato, 1969

<Amended by Bertolani *et al.* 2014>

Diphasconinae Dastych, 1992

<Amended by Bertolani *et al.* 2014>

Diphascon Plate, 1888

<Amended by Bertolani *et al.* 2014>

Diphascon alpinum Murray, 1906

Diphascon australianum Pilato & Binda, 1998

Diphascon bicorne (Mihelčič, 1971)

Diphascon bidropion Ito, 1995

Diphascon 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 higginsi Binda, 1971

Diphascon humicus Bertolani, Guidetti & Rebecchi, 1994

Diphascon hydrophilum Pilato, Binda, Bertolani & Lisi, 2005

Diphascon iharosi Vargha, 1995

Diphascon langhovdense (Sudzuki, 1964)

Diphascon marcuzzii (Mihelčič, 1971)

Diphascon mariae (Mihelčič, 1951)

Diphascon mirabilis Dastych, 1984

Diphascon mitrense Pilato, Binda & Qualtieri, 1999

Diphascon nelsonae Pilato, Binda, Bertolani & Lisi, 2005

Diphascon nobilei (Binda, 1969)
Diphascon ongulense (Morikawa, 1962)
Diphascon opisthoglyptum Maucci, 1987
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 procerum Pilato, Sabella & Lisi, 2014
Diphascon puchalskii Kaczmarek, Parnikoza, Gawlak, Esefeld, Peter, Kozeretska & Roszkowska, 2017
Diphascon punctatum (Iharos, 1962)
Diphascon puniceum (Jennings, 1976)
Diphascon rivulare (Mihelčič, 1967)
Diphascon rudnickii Kaczmarek, Parnikoza, Gawlak, Esefeld, Peter, Kozeretska & Roszkowska, 2017
Diphascon sanae Dastych, Ryan & Watkins, 1990
Diphascon serratum Pilato, Binda, Bertolani & Lisi, 2005
Diphascon speciosum (Mihelčič, 1971)
Diphascon stappersi Richters, 1911
Diphascon tenue Thulin, 1928
Diphascon victoriae Pilato & Binda, 1999
Diphascon zaniewi Kaczmarek & Michalczyk, 2004
Diphascon ziliense Lisi, Sabella & Pilato, 2014

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

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

Hypsibius Ehrenberg, 1848
Hypsibius allisoni Horning, Schuster & Grigarick, 1978
Hypsibius antonovae (Biserov, 1990)
Hypsibius arcticus (Murray, 1907) [*Macrobotus heinisi* Richters, 1907]
Hypsibius biscuitiformis Bartoš, 1960
Hypsibius calcaratus Bartoš, 1935
Hypsibius camelopardalis Ramazzotti & Maucci, 1983
Hypsibius choucoutiensis Rahm, 1937
Hypsibius conifer Mihelčič, 1938
Hypsibius convergens (Urbanowicz, 1925)
Hypsibius conwentzii Kaczmarek, Parnikoza, Gawlak, Esefeld, Peter, Kozeretska & Roszkowska, 2017
Hypsibius dujardini (Doyère, 1840) [*Macrobotus palustris* Dujardin, 1851; *Macrobotus lacustris* Dujardin, 1851; *Macrobotus tetradactylus* Lance, 1896; *Macrobotus murrayi* Richters, 1907; *Macrobotus samoanus* Richters, 1908; *Macrobotus breckneri* Richters, 1910; *Macrobotus ursellus* Della Valle, 1915; *Hypsibius murrayi* Marcus, 1929]

Hypsibius fuhrmanni (Heinis, 1914)
Hypsibius giusepperamazotti Sudzuki, 1975
Hypsibius heardensis Miller, McInnes & Bergstrom, 2005
Hypsibius hypostomus Bartoš, 1935
Hypsibius iskandarovi Tumanov, 1997
Hypsibius janetscheki Ramazzotti, 1968
Hypsibius klebelsbergi Mihelčič, 1959
Hypsibius kunmingensis Yang, 2002
Hypsibius macrocalcaratus Beasley, 1988
Hypsibius maculatus Iharos, 1969
Hypsibius marcelli Pilato, 1990
Hypsibius microps Thulin, 1928 <Amended by Kaczmarek & Michalczyk 2009>
Hypsibius montanus Iharos, 1940 [*Hypsibius iharosi* Bartoš, 1941]
Hypsibius morikawai Ito, 1995
Hypsibius multituberculatus Pilato, Binda & Lisi, 2003
Hypsibius novaezeelandiae Pilato & Binda, 1997
Hypsibius pachyunguis Maucci, 1996
Hypsibius pallidus Thulin, 1911 <Amended by Kaczmarek & Michalczyk 2009>
Hypsibius pallidoides Pilato, Kiosya, Lisi, Inshina & Biserov, 2011
Hypsibius pedrottii Bertolani, Manicardi & Gibertoni, 1987
Hypsibius pradellii Bertolani & Rebecchi, 1996
Hypsibius ragonesei Binda & Pilato, 1985
Hypsibius roanensis Nelson & McGlothlin, 1993
Hypsibius runae Bartoš, 1941
Hypsibius scaber Maucci, 1987
Hypsibius scabropygus Cuénot, 1929
Hypsibius septulatus Pilato, Binda, Napolitano & Moncada, 2004
Hypsibius seychellensis Pilato, Binda & Lisi, 2006
Hypsibius shaanxiensis H. Li & X. Li, 2008
Hypsibius stiliferus Abe, 2004
Hypsibius thaleri Dastych, 2004
Hypsibius valentinae Pilato, Kiosya, Lisi & Sabella, 2012

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

Adropion Pilato, 1987

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

Adropion arduifrons (Thulin, 1928)
Adropion behanae (Dastych, 1987)
Adropion belgicae (Richters, 1911) [*Fujiscon diphasconiellum* Ito, 1991] <Amended by Bernard
 1977>
Adropion carolae (Binda & Pilato, 1969)
Adropion clavatum (Bartoš, 1935)
Adropion gani (Sun, X. Li & Feng, 2014)
Adropion gordonense (Pilato, Claxton & Horning, 1991)

Adropion greveni (Dastych, 1984)
Adropion linzhiensis (X. Li, 2007)
Adropion marcusii (Rudescu, 1964) *species dubium* <Transferred from *Mesocrista* by Gąsiorek *et al.* 2016> {for taxonomic status of the species see Gąsiorek *et al.* 2016}
Adropion maucii (Dastych & McInnes, 1996)
Adropion modestum (Binda, Pilato & Dastych, 1984)
Adropion montigenum (Pilato & Dastych, 1974)
Adropion onorei (Pilato, Binda, Napolitano & Moncada, 2002)
Adropion prorsirostre (Thulin, 1928)
Adropion scoticum scoticum (Murray, 1905) [*Diphascon crozetense* Richters, 1907]
Adropion scoticum ommatophorum (Thulin, 1911)
Adropion scoticum qinlingensis (X. Li & Liu, 2005)
Adropion tricuspdatum (Binda & Pilato, 2000)
Adropion triodon (Maucci, 1996)

Astatumen Pilato, 1997

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

Bindius Pilato, 2009

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

Bindius triquetrus Pilato, 2009

Itaquiscon de Barros, 1939

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

Mesocrista Pilato, 1987

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

Parascon Pilato & Binda, 1987

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

Platicrista Pilato, 1987

Platicrista affine (Mihelčič, 1951)

Platicrista angustata (Murray, 1905)

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

Platicrista horribilis Kaczmarek & Michalczyk, 2003

Platicrista itaquasconoide (Durante Pasa & Maucci, 1975)

Platicrista ramsayi Marley, 2006

Sarascon Guil, Rodrigo & Machordom, 2014

Sarascon hortensiae Guil, Rodrigo & Machordom, 2014

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

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

Pilatobius aculeatus (Maucci, 1951-1952) <Transferred from *Diphascon* by Bertolani *et al.* 2014>

Pilatobius bisbullatus (Iharos, 1964) <Transferred from *Diphascon* by Bertolani *et al.* 2014>

Pilatobius borealis (Biserov, 1996) <Transferred from *Diphascon* by Bertolani *et al.* 2014>

Pilatobius brevipes (Marcus, 1936) <Transferred from *Diphascon* by Bertolani *et al.* 2014>

Pilatobius bullatus (Murray, 1905) <Transferred from *Diphascon* by Bertolani *et al.* 2014>

Pilatobius burti (Nelson, 1991) <Transferred from *Diphascon* by Bertolani *et al.* 2014>

Pilatobius elongatus (Mihelčič, 1959) <Transferred from *Diphascon* by Bertolani *et al.* 2014>

Pilatobius gerdae (Mihelčič, 1951) <Transferred from *Diphascon* by Bertolani *et al.* 2014>

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

Pilatobius halapiense (Iharos, 1964) <Transferred from *Diphascon* by Bertolani *et al.* 2014>

Pilatobius iltisi (Schuster & Grigarick, 1965) <Transferred from *Diphascon* by Bertolani *et al.* 2014>

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 patanei (Binda & Pilato, 1971) <Transferred from *Diphascon* by Bertolani *et al.* 2014>

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.* 2017>

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.* 2017}

Pilatobius sexbullatus (Ito, 1995) <Transferred from *Diphascon* by Bertolani *et al.* 2014>
Pilatobius trachydorsatus (Bartoš, 1937) <Transferred from *Diphascon* by Bertolani *et al.* 2014>

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

Microhypsibiidae Pilato, 1998

Fractonotus Pilato, 1998

Fractonotus caelatus (Marcus, 1928)

Microhypsibius Thulin, 1928

Microhypsibius bertolanii Kristensen, 1982

Microhypsibius japonicus Ito, 1991

Microhypsibius minimus Kristensen, 1982

Microhypsibius truncatus Thulin, 1928

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

Hebesuncus Pilato, 1987

Hebesuncus conjugens (Thulin, 1911)

Hebesuncus mollispinus Pilato, McInnes & Lisi, 2012

Hebesuncus ryani Dastych & Harris, 1994

Hebesuncus schusteri (Dastych, 1984)

Ramajendas Pilato & Binda, 1990

{probably belongs to the family *Ramazottiidae* according to Bertolani *et al.* 2014}

Ramajendas dastychi Kaczmarek, Janko, Smykla & Michalczyk, 2013

Ramajendas frigidus Pilato & Binda, 1990
Ramajendas heatwolei Miller, Horning & Dastych, 1995
Ramajendas renaudi (Ramazzotti, 1972)

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 cataphractus (Maucci, 1974)
Ramazzottius caucasicus Biserov, 1997/98
Ramazzottius edmondabouti Séméria, 1993
Ramazzottius horningi Binda & Pilato, 1994
***Ramazzottius libycus* Pilato, D'Urso & Lisi, 2013**
***Ramazzottius littoreus* Fontoura, Rubal & Veiga, 2017**
Ramazzottius ljudmilae Biserov, 1997/98
Ramazzottius montivagus (Dastych, 1983)
Ramazzottius nivalis Dastych, 2006
Ramazzottius novemcinctus (Marcus, 1936)
Ramazzottius oberhaeuseri (Doyère, 1840)
Ramazzottius rupeus Biserov, 1999
Ramazzottius saltensis (Claps & Rossi, 1984)
Ramazzottius semisculptus Pilato & Rebecchi, 1992
Ramazzottius subanomalus (Biserov, 1985)
Ramazzottius szeptycki (Dastych, 1980) <Amended by Dastych 2009>
Ramazzottius theroni Dastych, 1993
Ramazzottius thulini (Pilato, 1970)
Ramazzottius tribulosus Bertolani & Rebecchi, 1988
Ramazzottius valaamis Biserov & Tumanov, 1993
Ramazzottius varieornatus Bertolani & Kinchin, 1993

***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}

***Thalerius konradi* Dastych, 2009**

Isohypsibioidae Sands, McInnes, Marley, Goodall-Copestake, Convey & Linse, 2008
<Amended by Bertolani *et al.* 2014>

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

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

Isohypsibiidae Sands, McInnes, Marley, Goodall-Copestake, Convey & Linse, 2008

Apodibius Dastych, 1983

<Transferred from '*incertae sedis*' by Dabert *et al.* 2013>

Apodibius confusus Dastych, 1983

Apodibius nuntius Binda, 1984 [*Apodibius serventyi* Morgan & Nicholls, 1986]

Apodibius richardi Vargha, 1995

Dastychius Pilato, 2013

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

Doryphoribius Pilato, 1969

Doryphoribius amazonicus Lisi, 2011

Doryphoribius barbarae Beasley & Miller, 2012

Doryphoribius bertolanii Beasley & Pilato, 1987

Doryphoribius bindae Lisi, 2011

Doryphoribius dawkinsi Michalczyk & Kaczmarek, 2010

Doryphoribius doryphorus (Binda & Pilato, 1969)

Doryphoribius dupliglobulatus Ito, 1995

Doryphoribius elleneddiei Haefke, Spiers, Miller & Lowman, 2014

Doryphoribius evelinae (Marcus, 1928)
Doryphoribius flavus (Iharos, 1966) [*Doryphoribius citrinus* (Maucci, 1973)] <Amended by Lisi 2011>
Doryphoribius gibber Beasley & Pilato, 1987 {Based on type material analysis, additional character to the original description was added by Pilato & Lisi 2006}
Doryphoribius huangguoshuensis H. Wang, L. Wang & X. Li, 2007
Doryphoribius koreanus Moon, Kim & Bertolani, 1994
Doryphoribius korganovae Biserov, 1994
Doryphoribius longistipes Bartels, Nelson, Kaczmarek & Michalczyk, 2008
Doryphoribius macrodon Binda, Pilato & Dastych, 1980
Doryphoribius maasaimarensis Fontoura, Lisi & Pilato, 2013
Doryphoribius maranguensis Binda & Pilato, 1995
Doryphoribius mariae Pilato & Binda, 1990
Doryphoribius mcinnesae Meng, Sun & X. Li, 2014
Doryphoribius mexicanus Beasley, Kaczmarek & Michalczyk, 2008
Doryphoribius minimus Bartels, Nelson, Kaczmarek & Michalczyk, 2008
Doryphoribius neglectus Pilato & Lisi, 2004
Doryphoribius niedbalai Zawierucha, Michalczyk & Kaczmarek, 2012
Doryphoribius picoensis Fontoura, Pilato & Lisi, 2008
Doryphoribius pilatoi R. Bertolani, 1984
Doryphoribius polynettae Biserov, 1988
Doryphoribius qinlingense X. Li, Su & Yu, 2004
Doryphoribius quadrituberculatus Kaczmarek & Michalczyk, 2004
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>

Eremobiotus Biserov, 1992

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

Halobiotus Kristensen, 1982

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

Isohypsibius Thulin, 1928

Isohypsibius altai Kaczmarek & Michalczyk, 2006

Isohypsibius annulatus annulatus (Murray, 1905)
Isohypsibius annulatus minor (Ramazzotti, 1945)
Isohypsibius arbiter Binda, 1980
Isohypsibius archangajensis Kaczmarek & Michalczyk, 2004
Isohypsibius arcuatus (Bartoš, 1934)
Isohypsibius asper (Murray, 1906) [*Isohypsibius tetradactyloides* (Richters, 1907)] {Dastych
 2016 amended *I. tetradactyloides* and synonymized it with *I. asper*}
Isohypsibius austriacus (Iharos, 1966)
Isohypsibius baicalensis (Ramazzotti, 1966)
Isohypsibius baldii (Ramazzotti, 1945)
Isohypsibius baldioides Tumanov, 2003
Isohypsibius barbarae Pilato & Binda, 2002
Isohypsibius bartosi (Iharos, 1966)
Isohypsibius basalovoi (Durante & Maucci, 1973)
Isohypsibius belliformis (Mihelčič, 1971)
Isohypsibius bellus (Mihelčič, 1971)
Isohypsibius borkini Tumanov, 2003
Isohypsibius brevispinosus (Iharos, 1966)
Isohypsibius brevitubulatus Rho, Chang & Kim, 1997
Isohypsibius brulloi Pilato & Pennisi, 1976
Isohypsibius bulbifer (Mihelčič, 1957)
Isohypsibius cameruni (Iharos, 1969)
Isohypsibius campbellensis Pilato, 1996
Isohypsibius canadensis (Murray, 1910)
Isohypsibius ceciliae Pilato & Binda, 1987
Isohypsibius changbaiensis Yang, 1999
Isohypsibius chiarae Maucci, 1987 [*Isohypsibius bertolanii* Manicardi, 1989]
Isohypsibius condorcanquii Kaczmarek, Cytan, Zawierucha, Diduszko & Michalczyk, 2014
Isohypsibius costatus (Mihelčič, 1971)
Isohypsibius coulsoni Kaczmarek, Zawierucha, Smykla & Michalczyk, 2012
Isohypsibius cyrilli (Mihelčič, 1951)
Isohypsibius damxungensis Yang, 2007
Isohypsibius dastychi Pilato, Bertolani & Binda, 1982
Isohypsibius deconincki Pilato, 1971
Isohypsibius deflexus (Mihelčič, 1960)
Isohypsibius dudichi (Iharos, 1964)
Isohypsibius durantee (Maucci, 1978)
Isohypsibius effusus (Mihelčič, 1971)
Isohypsibius elegans Binda & Pilato, 1971
Isohypsibius eplenyiensis (Iharos, 1970)
Isohypsibius franzi (Mihelčič, 1951)
Isohypsibius fuscus (Mihelčič, 1971/72)
Isohypsibius gilvus Biserov, 1986
Isohypsibius glaber (Durante Pasa & Maucci, 1979)
Isohypsibius glazovi Biserov, 1999
Isohypsibius gracilis (Iharos, 1966)
Isohypsibius granditintinus Chang & Rho, 1996

Isohypsibius granulifer granulifer Thulin, 1928
Isohypsibius granulifer koreanensis (Iharos, 1971)
Isohypsibius gyulai (Mihelčič, 1971)
Isohypsibius hadzii (Mihelčič, 1938)
Isohypsibius helenae (Iharos, 1964)
Isohypsibius hydrogogianus Ito & Tagami, 1993
Isohypsibius hypostomoides (Mihelčič, 1971)
Isohypsibius indicus (Murray, 1907)
Isohypsibius irregibilis Biserov, 1992
Isohypsibius jakieli Dastych, 1984
Isohypsibius jingshanensis Yang, 2003
Isohypsibius jinhouensis Yang, 2007
Isohypsibius josephi (Iharos, 1964)
Isohypsibius karenae Zawierucha, 2013
Isohypsibius kenodontis Kendall-Fite & Nelson, 1996
Isohypsibius kotovae Tumanov, 2003
Isohypsibius kristenseni Pilato, Catanzaro & Binda, 1989
Isohypsibius ladogensis Tumanov, 2003
Isohypsibius laevis McInnes, 1995
Isohypsibius latiunguis (Iharos, 1964)
Isohypsibius leithaicus (Iharos, 1966)
Isohypsibius liae X. Li & L. Wang, 2006
Isohypsibius lineatus (Mihelčič, 1969)
Isohypsibius longiunguis Pilato, 1974
Isohypsibius lunulatus (Iharos, 1966)
Isohypsibius macrodactylus (Maucci, 1978) [*Isohypsibius zierhofferi* Dastych, 1980]
Isohypsibius malawiensis Jørgensen, 2001
Isohypsibius mammillosus (Iharos, 1964)
Isohypsibius marcellinoi Binda & Pilato, 1971
Isohypsibius marii R. Bertolani, 1982
Isohypsibius mihelcici (Iharos, 1964)
Isohypsibius monoicus R. Bertolani, 1982
Isohypsibius monstruosus Maucci, 1991
Isohypsibius montanus Mihelčič, 1938
Isohypsibius myrops (du Bois-Reymond Marcus, 1944)
Isohypsibius neoundulatus (Durante Pasa & Maucci, 1975)
Isohypsibius nipponicus Sudzuki, 1975
Isohypsibius nodosus (Murray, 1907)
Isohypsibius novaeguineae (Iharos, 1967)
Isohypsibius palmaei Pilato, 1996
Isohypsibius panovi Tumanov, 2005
Isohypsibius papillifer papillifer (Murray, 1905)
Isohypsibius papillifer bulbosus (Marcus, 1928)
Isohypsibius papillifer indicus (Iharos, 1969)
Isohypsibius pappi (Iharos, 1966)
Isohypsibius pauper (Mihelčič, 1971)
Isohypsibius pilatoei (Durante Pasa & Maucci, 1979)

Isohypsibius pratensis (Iharos, 1964)
Isohypsibius prosostomus prosostomus Thulin, 1928
Isohypsibius prosostomus cambrensis (Morgan, 1976)
Isohypsibius pseudundulatus (da Cunha & do Nascimento Ribeiro, 1964)
Isohypsibius pulcher (Mihelčič, 1971/72)
Isohypsibius pushkini Tumanov, 2003
Isohypsibius qinlingensis X. Li, L. Wang & Yu, 2005
Isohypsibius rahmi X. Li & L. Wang, 2006
Isohypsibius reticulatus Pilato, 1973
Isohypsibius roberti Biserov, 1996
Isohypsibius ronsisvallei Binda & Pilato, 1969
Isohypsibius rudescui (Iharos, 1966)
Isohypsibius rugosus Guidi & Grabowski, 1996
***Isohypsibius rusticus* Pilato, Sabella & Lisi, 2015**
Isohypsibius sabellai Pilato, Binda, Napolitano & Moncada, 2004
Isohypsibius sattleri (Richters, 1902) [*Hypsibius bakonyiensis* Iharos, 1964] {the correct reference of Dastych 1990 cited in the previous check lists is: Dastych, H. (1991) ***Isohypsibius sattleri* (Richters 1902), a valid species (Tardigrada). *Senckenbergiana biologica*, 71, 181–189.**}
Isohypsibius schaudinni (Richters, 1909)
Isohypsibius sculptus (Ramazzotti, 1962)
Isohypsibius sellnicki (Mihelčič, 1962)
Isohypsibius septentrionalis Thulin, 1928
Isohypsibius silvicola (Iharos, 1966)
Isohypsibius sismicus (Maucci, 1978)
Isohypsibius solidus (Mihelčič, 1971)
Isohypsibius taibaiensis X. Li & L. Wang, 2005
Isohypsibius theresiae (Iharos, 1964)
Isohypsibius torulosus (Mihelčič, 1959)
Isohypsibius truncorum (Iharos, 1964)
Isohypsibius tuberculatus (Plate, 1888)
Isohypsibius tuberculoides (Mihelčič, 1951)
Isohypsibius tubereticulatus Pilato & Catanzaro, 1989
Isohypsibius tucumanensis Claps & Rossi, 1984
Isohypsibius undulatus Thulin, 1928
Isohypsibius vej dovskyi (Bartoš, 1939)
Isohypsibius verae Pilato & Catanzaro, 1989
Isohypsibius verrucosus (Della Valle, 1915) [*Isohypsibius gibbus* (Marcus, 1928)]
Isohypsibius wilsoni (Horning, Schuster & Grigarick, 1978)
Isohypsibius woodsae Kathman, 1990
Isohypsibius yunnanensis Yang, 2002
***Isohypsibius zappalai* Pilato, Sabella & Lisi, 2015**

Paradiphascon Dastych, 1992

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

Paradiphascon manningi Dastych, 1992

Pseudobiotus Nelson, 1980

Pseudobiotus hirsutellus Pilato, Lisi & Binda, 2010

Pseudobiotus kathmanae Nelson, Marley & Bertolani, 1999

Pseudobiotus longiunguis (Iharos, 1968)

Pseudobiotus matici (Pilato, 1971)

Pseudobiotus megalonyx (Thulin, 1928)

Pseudobiotus spinifer Chang, Kaczmarek, Lee & Michalczyk, 2007

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

Thulinius R. Bertolani, 2003

[*Thulinia* R. Bertolani, 1982]

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

Thulinius itoi (Tsurusaki, 1980)

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

Thulinius ruffoi (R. Bertolani, 1982)

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

Thulinius stephaniae (Pilato, 1974)

Macrobiotidea Thulin, 1928 in Marley *et al.* 2011

Macrobiotidae Thulin, 1928

Biserovus Guidetti & Pilato, 2003

Biserovus bindae (Christenberry & Higgins, 1979)

Calcarobiotus (*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

Calcarobiotus (*Discrepunguis*) Guidetti & Bertolani, 2001

Calcarobiotus (*Discrepunguis*) *polygonatus* (Binda & Guglielmino, 1991) [*Macrobiotus eugranulatus* Maucci, 1993]

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

Famelobiotus Pilato, Binda & Lisi, 2004

Famelobiotus scalicii Pilato, Binda & Lisi, 2004

Insuetifurca Guidetti & Pilato, 2003

Insuetifurca arrowsmithi (Kathman & Nelson, 1989)

Insuetifurca austronipponica Abe, 2005

Insuetifurca fujiense (Ito, 1997)

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

Macrobiotus C.A.S. Schultze, 1834

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

Macrobiotus almadai Fontoura, Pilato & Lisi, 2008

Macrobiotus alvaroi Pilato & Kaczmarek, 2007

Macrobiotus anderssoni Richters, 1907

Macrobiotus andinus Maucci, 1988

Macrobiotus anemone Meyer, Domingue & Hinton, 2014

Macrobiotus annae Richters, 1908

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

Macrobiotus artipharyngis Iharos, 1940

Macrobiotus ascensionis Richters, 1908

Macrobiotus biserovi Bertolani, Guidi & Rebecchi, 1996

Macrobiotus brevipes Mihelčič, 1971/72

Macrobiotus caelicola Kathman, 1990

Macrobiotus carsicus Maucci, 1954

Macrobiotus caymanensis Meyer, 2011

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

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 echinogenitus Richters, 1904

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 hibiscus de Barros, 1942

Macrobiotus hufelandi hufelandi C.A.S. Schultze, 1834

Macrobiotus hufelandi maculatus Iharos, 1973

Macrobiotus humilis Binda & Pilato, 2001

Macrobiotus hyperboreus Biserov, 1990

Macrobiotus iharosi Pilato, Binda & Catanzaro, 1991

Macrobiotus insignis Bartoš, 1963

Macrobiotus insularis Pilato, 2006

Macrobiotus joannae Pilato & Binda, 1983

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

Macrobiotus kazmierskii Kaczmarek & Michalczyk, 2009

Macrobiotus kirghizicus Tumanov, 2005

Macrobiotus kollerii Mihelčič, 1951

Macrobotus komareki Bartoš, 1939
Macrobotus kristenseni Guidetti, Peluffo, Rocha, Cesari & Moly de Peluffo, 2013
Macrobotus kurasi Dastych, 1981
Macrobotus lazzaroi Maucci, 1986 [*Macrobotus spallanzanii* Maucci, 1973]
Macrobotus lissostomus Durante Pasa & Maucci, 1979
Macrobotus longipes Mihelčič, 1971/72
Macrobotus macrocalix Bertolani & Rebecchi, 1993
Macrobotus madegassus Maucci, 1993
Macrobotus mandalae Pilato, 1974
Macrobotus marlenae Kaczmarek & Michalczyk, 2004
Macrobotus martini Bartels, Pilato, Lisi & Nelson, 2009
Macrobotus modestus Pilato & Lisi, 2009
Macrobotus naskreckii Bąkowski, Roszkowska, Gawlak & Kaczmarek, 2016
Macrobotus nelsonae Guidetti, 1998
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.* 2016; the authors are waiting an *errata corrigenda*}
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
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 sottilei Pilato, Kiosya, Lisi & Sabella, 2012

Macrobotus spectabilis Thulin, 1928

Macrobotus spertii Ramazzotti, 1957

Macrobotus striatus Mihelčič, 1949

Macrobotus submorulatus Iharos, 1966

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 wauensis Iharos, 1973

Macrobotus wuyishanensis Zhang & Sun, 2014

Macrobotus yunshanensis Yang, 2002

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

Mesobiotus altitudinalis (Biserov, 1997/98) <Transferred from *Macrobotus* by Vecchi *et al.* 2016>

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

***Mesobiotus ethiopicus* Stec & Kristensen, 2017**

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

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

Mesobiotus harmsworthi obscurus (Dastych, 1985) <Transferred from *Macrobiotus* by Vecchi et al. 2016>

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

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

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

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

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

Mesobiotus krynaui (Dastych & Harris, 1995) <Transferred from *Macrobiotus* by Vecchi et al. 2016>

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

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

Mesobiotus maucii (Pilato, 1974) <Transferred from *Macrobiotus* by Vecchi et al. 2016>

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

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

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

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

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

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

Mesobiotus ovestriatus (Pilato & Patanè, 1998) <Transferred from *Macrobiotus* by Vecchi et al. 2016>

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

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

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

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

Mesobiotus pilatoi (Binda & Rebecchi, 1992) <Transferred from *Macrobiotus* by Vecchi et al. 2016>

Mesobiotus polaris (Murray, 1910) <Transferred from *Macrobiotus* by Vecchi et al. 2016>

Mesobiotus pseudoblocki Roszkowska, Stec, Ciobanu & Kaczmarek, 2016

Mesobiotus pseudocoronatus (Pilato, Binda & Lisi, 2006) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016>
Mesobiotus pseudoliviae (Pilato & Binda, 1996) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016>
Mesobiotus pseudonuragicus (Pilato, Binda & Lisi, 2004) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016>
Mesobiotus pseudopatiens Kaczmarek & Roszkowska, 2016
Mesobiotus radiatus (Pilato, Binda & Catanzaro, 1991) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016>
Mesobiotus reinhardti (Michalczyk & Kaczmarek, 2003) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016>
Mesobiotus rigidus (Pilato & Lisi, 2006) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016>
Mesobiotus siamensis (Tumanov, 2006) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016>
Mesobiotus sicheli (Binda, Pilato & Lisi, 2005) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016>
Mesobiotus simulans (Pilato, Binda, Napolitano & Moncada, 2000) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016>
Mesobiotus snaresensis (Horning, Schuster & Grigarick, 1978) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016>
Mesobiotus stellaris (du Bois-Reymond Marcus, 1944) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016>
Mesobiotus szeptyckii (Kaczmarek & Michalczyk, 2009) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016>
Mesobiotus tehuelchensis (Rossi, Claps & Ardohain, 2009) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016>
Mesobiotus wuzhishanensis (Yin, L. Wang & X. Li, 2011) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016>
Mesobiotus zhejiangensis (Yin, L. Wang & X. Li, 2011) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016>

Minibiotus R.O. Schuster, 1980

Minibiotus acontistus (de Barros, 1942)
Minibiotus aculeatus (Murray, 1910) [*Macrobiotus intermedius subjulietae* Horning, Schuster & Grigarick, 1978]
Minibiotus africanus Binda & Pilato, 1995
Minibiotus allani (Murray, 1913)
Minibiotus aquatilis Claxton, 1998
Minibiotus asteris Claxton, 1998
Minibiotus bisoctus (Horning, Schuster & Grigarick, 1978)
Minibiotus claxtonae Rossi, Claps & Ardohain, 2009
Minibiotus constellatus Michalczyk & Kaczmarek, 2003
Minibiotus continuus Pilato & Lisi, 2006
Minibiotus crassidens (Murray, 1907)
Minibiotus decrescens Binda & Pilato, 1995
Minibiotus diphasconides (Iharos, 1969)
Minibiotus diversus Ciobanu, Roszkowska & Kaczmarek, 2015
Minibiotus eichhorni Michalczyk & Kaczmarek, 2004

Minibiotus ethelae Claxton, 1998
Minibiotus fallax Pilato, Claxton & Binda, 1989
Minibiotus floriparus Claxton, 1998
Minibiotus formosus Zawierucha, Dziamięcki, Jakubowska, Michalczyk & Kaczmarek, 2014
Minibiotus granatai (Pardi, 1941)
Minibiotus gumersindoi Guil & Guidetti, 2005
Minibiotus harrylewisi Meyer & Hinton, 2009
Minibiotus hispidus Claxton, 1998
Minibiotus hufelandioides (Murray, 1910)
Minibiotus intermedius (Plate, 1888)
Minibiotus jonesorum Meyer, Lyons, Nelson & Hinton, 2011
Minibiotus julietae (de Barros, 1942)
Minibiotus keppelensis Claxton, 1998
Minibiotus maculartus Pilato & Claxton, 1988
Minibiotus marculsi (de Barros, 1942)
Minibiotus milleri Claxton, 1998
Minibiotus orthofasciatus Fontoura, Pilato, Lisi & Morais, 2009
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 (Dastyk, Ryan & Watkins, 1990)
Minibiotus subintermedius (Ramazzotti, 1962)
Minibiotus taiti Claxton, 1998
Minibiotus vinciguerrae Binda & Pilato, 1992
Minibiotus weglarskae Michalczyk, Kaczmarek & Claxton, 2005
Minibiotus weinerorum (Dastyk, 1984)
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)

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

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

Paramacrobilotus areolatus (Murray, 1907) <Transferred from *Macrobilotus* by Guidetti *et al.* 2009>

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

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

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

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

Paramacrobilotus crenatus (Maucci, 1991) <Transferred from *Macrobilotus* by Guidetti *et al.* 2009>

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

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

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

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

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

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

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

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

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

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

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

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

Paramacrobilotus klymenki Pilato, Kiosya, Lisi & Sabella, 2012

Paramacrobilotus lachowskae Stec, Roszkowska, Kaczmarek & Michalczyk, 2017

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

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

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

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

Paramacrobilotus pius Lisi, Binda & Pilato, 2016

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

Paramacrobilotus richtersi (Murray, 1911) [*Macrobilotus schultzei* Greeff, 1866] <Transferred from *Macrobilotus* by Guidetti *et al.* 2009>

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

Paramacrobotus savai (Binda & Pilato, 2001) <Transferred from *Macrobotus* by Guidetti *et al.* 2009>
Paramacrobotus sklodowskiae (Michalczyk, Kaczmarek & Węglarska, 2006) <Transferred from *Macrobotus* by Degma 2013>
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>

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 *Macrobotus* by Pilato & Lisi 2011>
Tenuibiotus bozhkae Pilato, Kiosya, Lisi, Inshina & Biserov, 2011
Tenuibiotus ciprianoi (Guil, Guidetti & Machordom, 2007) <Transferred from *Macrobotus* by Pilato & Lisi 2011>
Tenuibiotus danilovi (Tumanov, 2007) <Transferred from *Macrobotus* by Pilato & Lisi 2011>
Tenuibiotus higginsii (Maucci, 1987) <Transferred from *Macrobotus* by Pilato & Lisi 2011>
Tenuibiotus hyperonyx (Maucci, 1983) <Transferred from *Macrobotus* by Pilato & Lisi 2011>
Tenuibiotus hystricogenitus (Maucci, 1978) <Transferred from *Macrobotus* by Pilato & Lisi 2011>
Tenuibiotus kozharai (Biserov, 1999) <Transferred from *Macrobotus* by Pilato & Lisi 2011>
Tenuibiotus mongolicus (Maucci, 1988) <Transferred from *Macrobotus* by Pilato & Lisi 2011>
Tenuibiotus tenuiformis (Tumanov, 2007) <Transferred from *Macrobotus* by Pilato & Lisi 2011>
Tenuibiotus tenuis (Binda & Pilato, 1972) <Transferred from *Macrobotus* by Pilato & Lisi 2011>
Tenuibiotus voronkovi (Tumanov, 2007) <Transferred from *Macrobotus* by Pilato & Lisi 2011> < Amended by Zawierucha *et al.* 2016>
Tenuibiotus willardi (Pilato, 1977) <Transferred from *Macrobotus* by Pilato & Lisi 2011>

Xerobiotus Bertolani & Biserov, 1996
Xerobiotus euxinus Pilato, Kiosya, Lisi, Inshina & Biserov, 2011
Xerobiotus pseudohufelandi (Iharos, 1966) [*Macrobotus inermis* Binda & Pilato, 1971]
Xerobiotus xerophilus (Dastych, 1978)

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

Dactylobiotus R.O. Schuster, 1980

Dactylobiotus ambiguus (Murray, 1907)

Dactylobiotus ampullaceus (Thulin, 1911)

Dactylobiotus aquatilis Yang, 1999

Dactylobiotus caldarellai Pilato & Binda, 1994

Dactylobiotus dervizi Biserov, 1998

Dactylobiotus dispar (Murray, 1907)

Dactylobiotus grandipes (Schuster, Toftner & Grigarick, 1978) <Amended by Kaczmarek & Michalczyk 2010>

Dactylobiotus haplonyx Maucci, 1981

Dactylobiotus henanensis Yang, 2002

Dactylobiotus kansae Beasley, Miller & Shively, 2009

Dactylobiotus lombardoi Binda & Pilato, 1999

Dactylobiotus luci Kaczmarek, Michalczyk & Eggermont, 2008

Dactylobiotus macronyx (Dujardin, 1851)

Dactylobiotus octavi Guidetti, Altiero & Hansen, 2006

Dactylobiotus parthenogeneticus R. Bertolani, 1982

Dactylobiotus selenicus R. 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 nocentiniae (Ramazzotti, 1961)

Murrayon ovoglabellus (Biserov, 1988)

Murrayon pullari (Murray, 1907)

Murrayon stellatus Guidetti, 1998

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

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

Adorybiotus granulatus (Richters, 1903)

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

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

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

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

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

Richtersius coronifer (Richters, 1903)

Incertae sedis

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

Beornidae Cooper, 1964

Beorn Cooper, 1964

Beorn leggi Cooper, 1964 {fossil species}

Necopinatidae Ramazzotti & Maucci, 1983

Necopinatum Pilato, 1971

Necopinatum mirabile Pilato, 1971

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