

Actual checklist of Tardigrada species (2009-2016, 31st Edition: 15-12-2016)

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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

We are very grateful to Professor Clark Beasley (McMurry University, Abilene, Texas, U.S.A.) for his suggestions as well as for help with improving the English in the last version of the manuscript. We also thank to Nigel Marley (University of Plymouth, U.K.), Gary Grothman (St. Mary's University, Calgary, Canada), Paulo Fontoura (University of Porto, Portugal), Harry Meyer (McNeese State University, Lake Charles, Louisiana, U.S.A.), Sandra McInnes (British Antarctic Survey, U.K.), Erica De Milio (National University of Ireland Galway), Łukasz Kaczmarek (Adam Mickiewicz University in Poznań, Poland), Neil Redgate (Northern Highlands Ecological Research Centre, Castletown, U.K.), Myles O'Reilly (Scottish Environment Protection Agency, Holytown, U.K.) and Shinta Fujimoto (Tohoku University, Aomori, Japan) for their valuable comments to this checklist.

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RG.

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 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 annulatus de Zio, 1962

Batillipes bullacaudatus McGinty & Higgins, 1968

Batillipes carnonensis Fize, 1957

Batillipes crassipes Tchesunov & Mokievsky, 1995

Batillipes dicrocercus Pollock, 1970

Batillipes friaufi Riggan, 1962

Batillipes gilmartini McGinty, 1969

Batillipes lesteri Kristensen & Mackness, 2000

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 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 borryi 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
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)

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 belopus du Bois-Reymond Marcus, 1952

Orzeliscus septentrionalis Schulz, 1953

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

~~Styraconyxinae Kristensen & Renaud-Mornant, 1983 {see Styraconixidae}~~

<Amended by Jørgensen *et al.* 2014>

~~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>

Lepoaretus Kristensen & Renaud-Mornant, 1983

Lepoaretus coniferus (Renaud-Mornant, 1975)

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

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

Pleocola Cantacuzène, 1951

Pleocola limnoriae Cantacuzène, 1951

Raiaretus Renaud-Mornant, 1981

<Amended by Jørgensen *et al.* 2014>

Raiaretus aureolatus Renaud-Mornant, 1981

Raiaretus colurus Renaud-Mornant, 1981

Raiaretus jesperi Jørgensen, Boesgaard, Møbjerg & Kristensen, 2014

Raiaretus katrinae Jørgensen, Boesgaard, Møbjerg & Kristensen, 2014

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

Rhomboaretus Renaud-Mornant, 1984

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

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

Rhomboaretus 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 nanoqsungvak 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

Tholoaretus Kristensen & Renaud Mornant, 1983

<Amended by Jørgensen *et al.* 2014>

Tholoaretus natans natans Kristensen & Renaud Mornant, 1983

Tholoaretus natans pedunculatus D'Addabbo Gallo, de Zio Grimaldi, Morone De Lucia & Troceoli, 1992

Tholoaretus olesenii Jørgensen, Boesgaard, Møbjerg & Kristensen, 2014

Tanaretinae Renaud Mornant, 1980 { see Tanarctidae }

Actinaretus Schulz, 1935

Actinaretus doryphorus doryphorus Schulz, 1935

Actinaretus doryphorus ocellatus Renaud Mornant, 1971

Actinaretus lyrophorus Renaud Mornant, 1979

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

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

Tanaretus Renaud Debyser, 1959

Tanaretus arbor-spinosus Lindgren, 1971

Tanaretus bubulubus Jørgensen & Kristensen, 2001

Tanaretus dendriticus Renaud Mornant, 1980

Tanaretus diplocerus Fujimoto, Miyazaki & Suzuki, 2013

Tanaretus gracilis Renaud Mornant, 1980

Tanaretus helleouetae Renaud Mornant, 1984

Tanaretus heterodactylus Renaud Mornant, 1980

Tanaretus hirsutospinosus Jørgensen, Boesgaard, Møbjerg & Kristensen, 2014

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

Tanaretus minotauricus Renaud Mornant, 1984

Tanaretus ramazzottii Renaud Mornant, 1975

Tanaretus tauricus Renaud Debyser, 1959

Tanaretus velatus McKirdy, Schmidt & McGinty Bayly, 1976

Zioella Renaud Mornant, 1987

Zioella pavonina Renaud Mornant, 1987

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}

Renaudarctidae Kristensen & Higgins, 1984

Renaudarctus Kristensen & Higgins, 1984

<Amended by Hansen *et al.* 2012>

Renaudarctus fossorius Hansen, Kristensen & Jørgensen, 2012

Renaudarctus psammocryptus Kristensen & Higgins, 1984

Stygarctidae Schulz, 1951

Megastygarctidinae Bello & de Zio Grimaldi, 1998

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 ~~de Zio Grimaldi, D'Addabbo Gallo & Morone De Lucia, 1992~~ Schulz, 1951

Faroestygarctus Hansen, Kristensen & Jørgensen, 2012

Faroestygarctus dezioae Hansen, Kristensen & Jørgensen, 2012

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

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

<Transferred from Neostygarctidae by Hansen *et al.* 2012>

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

Parastygarctus Renaud-Debyser, 1965

<Amended by Hansen *et al.* 2012>

Parastygarctus biungulatus Morone De Lucia, Grimaldi de Zio & D'Addabbo Gallo, 1984

Parastygarctus higginsi Renaud-Debyser, 1965

Parastygarctus mediterranicus Gallo D'Addabbo, Grimaldi de Zio & Sandulli, 2001

Parastygarctus renaudae Grimaldi de Zio, D'Addabbo Gallo, Morone De Lucia & Daddabbo, 1987

Parastygarctus robustus Hansen, Kristensen & Jørgensen, 2012

Parastygarctus sterreri Renaud-Mornant, 1970

Parastygarctus svennevigii Hansen, Kristensen & Jørgensen, 2012

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

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

Pseudostygarctus McKirdy, Schmidt & McGinty-Bayly, 1976

<Amended by Hansen *et al.* 2012>

Pseudostygarctus apuliae Gallo D'Addabbo, de Zio Grimaldi & D'Addabbo, 2000

Pseudostygarctus galloae Hansen, Kristensen & Jørgensen, 2012

Pseudostygarctus mirabilis de Zio Grimaldi, D'Addabbo Gallo & Morone De Lucia, 1998

Pseudostygarctus rugosus Gallo D'Addabbo, de Zio Grimaldi & Sandulli, 2001

Pseudostygarctus triangulatus McKirdy, Schmidt & McGinty-Bayly, 1976 <Amended by Hansen *et al.* 2012>

Stygarctus Schulz, 1951

Stygarctus abornatus McKirdy, Schmidt & McGinty-Bayly, 1976

Stygarctus ayatori Fujimoto, 2014

Stygarctus bradypus Schulz, 1951

Stygarctus gorbaultae Renaud-Mornant, 1981

Stygarctus granulatus Pollock, 1970

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

Stygarctus spinifer Hiruta, 1985

Styraconixidae 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 jesperi Jørgensen, Boesgaard, Møbjerg & Kristensen, 2014

Raiarctus katrinae Jørgensen, Boesgaard, Møbjerg & Kristensen, 2014

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

Rhomboarctus Renaud-Mornant, 1984
Rhomboarctus aslaki Hansen, Gallo D'Addabbo & de Zio Grimaldi, 2003
Rhomboarctus duplicicaudatus Hansen, Gallo D'Addabbo & de Zio Grimaldi, 2003
Rhomboarctus thomassini Renaud-Mornant, 1984

Styraconyx Thulin, 1942
Styraconyx craticuliformis Chang & Rho, 1998
Styraconyx craticulus (Pollock, 1983)
Styraconyx hallasi Kristensen, 1977
Styraconyx haploceros Thulin, 1942
Styraconyx kristenseni kristenseni Renaud-Mornant, 1981
Styraconyx kristenseni neocaledonensis Renaud-Mornant, 1981
Styraconyx nanoqsunguak Kristensen & Higgins, 1984
Styraconyx paulae Robotti, 1971
Styraconyx qivitoq Kristensen & Higgins, 1984
Styraconyx sardiniae D'Addabbo Gallo, Morone De Lucia & Grimaldi de Zio, 1989
Styraconyx sargassi Thulin, 1942
Styraconyx testudo D'Addabbo Gallo, Grimaldi de Zio & Morone De Lucia, 1984
Styraconyx turbinarium Bartels, Fontoura & Nelson, 2015
Styraconyx tyrrhenus D'Addabbo Gallo, Morone De Lucia & Grimaldi de Zio, 1989

Tetrakentron Cuénot, 1892
Tetrakentron synaptae Cuénot, 1892

Tholoarctus Kristensen & Renaud-Mornant, 1983
<Amended by Jørgensen *et al.* 2014>
Tholoarctus natans natans Kristensen & Renaud-Mornant, 1983
Tholoarctus natans pedunculatus D'Addabbo Gallo, de Zio Grimaldi, Morone De Lucia & Troccoli, 1992
Tholoarctus oleseni Jørgensen, Boesgaard, Møbjerg & Kristensen, 2014

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 higginsi Hallas & Kristensen, 1982 {see *Isoechiniscoides*}

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 higginsi (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)

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 lijiangensis Yang, 2002
Bryodelphax mateusi (Fontoura, 1982)
Bryodelphax meronensis Pilato, Lisi & Binda, 2010
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 (Dastyh, 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 marcusii 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 mauccii 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 loxophthalmus* 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 granulatus Mihelčič, 1967
Mopsechiniscus imberbis (Richters, 1907)
Mopsechiniscus schusteri Dastych, 1999
Mopsechiniscus tasmanicus Dastych & Moscal, 1992

Multipseudechiniscus Schulte & Miller, 2011

<Amended by Miller *et al.* 2012>

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

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 clavatus Mihelčič, 1955

Pseudechiniscus conifer (Richters, 1904)

Pseudechiniscus dicrani Mihelčič, 1938

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

Pseudechiniscus gullii Pilato & Lisi, 2006

Pseudechiniscus insolitus Maucci, 1991

Pseudechiniscus jiroveci Bartoš, 1963

Pseudechiniscus juanita de Barros, 1939 [*Pseudechiniscus suillus franciscae* de Barros, 1942]

Pseudechiniscus jubatus Biserov, 1990

Pseudechiniscus megacephalus Mihelčič, 1951

Pseudechiniscus nataliae Biserov & Maucci, 1986

Pseudechiniscus novaezeelandiae novaezeelandiae (Richters, 1908)

Pseudechiniscus novaezeelandiae aspinosa Iharos, 1963

Pseudechiniscus novaezeelandiae laterospinosa Iharos, 1963

Pseudechiniscus novaezeelandiae marinae Bartoš, 1934

Pseudechiniscus occultus Dastych, 1980

Pseudechiniscus papillosus X. Li, L. Wang, Liu & Su, 2005

Pseudechiniscus 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]
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

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 alabamiae Wallendorf & Miller, 2009

Milnesium almatyense Tumanov, 2006
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
Milnesium eurystomum Maucci, 1991 <Amended by Michalczyk *et al.* 2012>
Milnesium granulatum Ramazzotti, 1962 <Amended and elevated to the species level by Michalczyk *et al.* 2012>
Milnesium 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 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
Milnesium tetralamellatum Pilato & Binda, 1991
Milnesium tumanovi Pilato, Sabella & Lisi, 2016
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 birklehofti Rolf Schuster, 1999

Diphascon chilense Plate, 1888

Diphascon claxtonae Pilato & Binda, 1998
Diphascon coniferens (Bartoš, 1960)
Diphascon dastychi Pilato & Binda, 1999
Diphascon dolomiticum Pilato & Bertolani, 2005
Diphascon faialense Fontoura & Pilato, 2007
Diphascon 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 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 punctatum (Iharos, 1962)
Diphascon puniceum (Jennings, 1976)
Diphascon rivulare (Mihelčič, 1967)
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 zaniiewi 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) [*Macrobiotus 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 dujardini (Doyère, 1840) [*Macrobiotus palustris* Dujardin, 1851; *Macrobiotus lacustris* Dujardin, 1851; *Macrobiotus tetradactylus* Lance, 1896; *Macrobiotus murrayi* Richters, 1907; *Macrobiotus samoanus* Richters, 1908; *Macrobiotus breckneri* Richters, 1910; *Macrobiotus ursellus* Della Valle, 1915; *Hypsibius murrayi* Marcus, 1929]
Hypsibius fuhrmanni (Heinis, 1914)
Hypsibius giusepperamazzotti 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 mauccii (Dastych & McInnes, 1996)
Adropion modestum (Binda, Pilato & Dastych, 1984)
Adropion montigenum (Pilato & Dastych, 1974)
Adropion onorei (Pilato, Binda, Napolitano & Moncada, 2002)
Adropion prorsirostre (Thulin, 1928)
Adropion scoticum scoticum (Murray, 1905) [*Diphascon crozetense* Richters, 1907]
Adropion scoticum ommatophorum (Thulin, 1911)
Adropion scoticum qinlingensis (X. Li & Liu, 2005)
Adropion tricuspdatum (Binda & Pilato, 2000)
Adropion triodon (Maucci, 1996)

Astatumen Pilato, 1997

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

Bindius Pilato, 2009

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

- Bindius triquetrus* Pilato, 2009

Itaquascon de Barros, 1939

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

Mesocrista Pilato, 1987

~~*Mesocrista marcusii* (Rudescu, 1964) {see *Adropion*}~~

Mesocrista revelata Gąsiorek, Stec, Morek, Zawierucha, Kaczmarek, Lachowska-Cierlik & Michalczyk, 2016

Mesocrista spitzbergensis (Richters, 1903)

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>
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>
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 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 schnuræ Pilato, Lisi & Binda, 2010

Mixibius sutiræ 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

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}

Hebesuncus Pilato, 1987

Hebesuncus conjungens (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 Ramazzottiidae 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 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 subanomalous (Biserov, 1985)
Ramazzottius szeptycki (Dastych, 1980) <Amended by Dastych 2009>
Ramazzottius theroni Dastych, 1993
Ramazzottius thulini (Pilato, 1970)
Ramazzottius tribulosus Bertolani & Rebecchi, 1988
Ramazzottius valaamis Biserov & Tumanov, 1993
Ramazzottius varieornatus Bertolani & Kinchin, 1993

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

Isohypsibioidea 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
Doryphoribius huanguoshuensis 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]

~~*Haplohexapodibius* Pilato & Beasley, 1987 {see Hexapodibiidae}~~

~~<Transferred from Calohypsibiidae by Bertolani *et al.* 2014>~~

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

~~*Haplomaacrobotus* May, 1948 {see Hexapodibiidae}~~

~~<Transferred from Calohypsibiidae by Bertolani *et al.* 2014>~~

~~*Haplomaacrobotus hermosillensis* May, 1948~~

~~*Haplomaacrobotus utahensis* Pilato & Beasley, 2005~~

~~*Hexapodibius* Pilato, 1969 {see Hexapodibiidae}~~

~~<Transferred from Calohypsibiidae by Bertolani *et al.* 2014>~~

~~*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~~

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 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 duranteae (Maucci, 1978)
Isohypsibius effusus (Mihelčič, 1971)
Isohypsibius elegans Binda & Pilato, 1971
Isohypsibius eplenyensis (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 palmai 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 pilatoi (Durante Pasa & Maucci, 1979)
Isohypsibius pratensis (Iharos, 1964)
Isohypsibius prosostomus prosostomus Thulin, 1928
Isohypsibius prosostomus cambrensis (Morgan, 1976)
Isohypsibius pseudoundulatus (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 tetradactyloides (Richters, 1907)
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

Parhexapodibius Pilato, 1969 {see *Hexapodibiidae*}

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

Parhexapodibius bactrianus Biserov, 1999

Parhexapodibius castrii (Ramazzotti, 1964)

Parhexapodibius lagrecai (Binda & Pilato, 1969)

Parhexapodibius pilatoi (Bernard, 1977)

Parhexapodibius ramazzottii Manicardi & Bertolani, 1987

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>

Thulinus R. Bertolani, 2003

[*Thulinia* R. Bertolani, 1982]

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

Thulinus itoi (Tsurusaki, 1980)

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

Thulinus ruffoi (R. Bertolani, 1982)

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

Thulinus stephaniae (Pilato, 1974)

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

Macrobiotidae Thulin, 1928

~~*Adorybiotus* Maucci & Ramazzotti, 1981 {see Richtersiidae}~~

~~*Adorybiotus granulatus* (Richters, 1903)~~

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 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 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 islandicus islandicus* Richters, 1904 [*Macrobiotus ruffoi* Maucci, 1973] {see *Diaforobiotus*}~~
~~*Macrobiotus islandicus nicaraguensis* Séméria, 1985 {see *Diaforobiotus*}~~
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
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 madegassus Maucci, 1993
Macrobiotus mandalaeae Pilato, 1974
Macrobiotus marlenae Kaczmarek & Michalczyk, 2004
Macrobiotus 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 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 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>
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 *Macrobotus* by Vecchi *et al.* 2016>
Mesobiotus divergens (Binda, Pilato & Lisi, 2005) <Transferred from *Macrobotus* by Vecchi *et al.* 2016>
Mesobiotus erminiae (Binda & Pilato, 1999) <Transferred from *Macrobotus* by Vecchi *et al.* 2016>
Mesobiotus furciger (Murray, 1907) [*Macrobotus ehrenbergi* Heinis, 1921; *Macrobotus furcatus* Murray, 1906] <Transferred from *Macrobotus* by Vecchi *et al.* 2016>
Mesobiotus harmsworthi harmsworthi (Murray, 1907) <Transferred from *Macrobotus* by Vecchi *et al.* 2016>
Mesobiotus harmsworthi obscurus (Dastyh, 1985) <Transferred from *Macrobotus* 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 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 krynauwi (Dastyh & 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 mauccii (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 szepteykii (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 marcusii (de Barros, 1942)
Minibiotus milleri Claxton, 1998
Minibiotus orthofasciatus Fontoura, Pilato, Lisi & Morais, 2009
Minibiotus pilatus Claxton, 1998
Minibiotus poricinatus Claxton, 1998
Minibiotus pseudostellarus Roszkowska, Stec, Ciobanu & Kaczmarek, 2016
Minibiotus pustulatus (Ramazzotti, 1959)
Minibiotus ramazzottii Binda & Pilato, 1992
Minibiotus scopulus Claxton, 1998
Minibiotus sidereus Pilato, Binda & Lisi, 2003
Minibiotus stuckenbergi (Dastych, Ryan & Watkins, 1990)
Minibiotus subintermedius (Ramazzotti, 1962)
Minibiotus taiti Claxton, 1998
Minibiotus vinciguerrae Binda & Pilato, 1992
Minibiotus weglarskae Michalczyk, Kaczmarek & Claxton, 2005
Minibiotus weinerorum (Dastych, 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 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}

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

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

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

Paramacrobilotus vanescens (Pilato, Binda & Catanzaro, 1991) <Transferred from *Macrobilotus* by Guidetti *et al.* 2009>

Paramacrobilotus walteri (Biserov, 1997/98) <Transferred from *Macrobilotus* 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)

~~*Richtersius* Pilato & Binda, 1989 {see Richtersiidae}~~

~~[*Richtersia* Pilato & Binda, 1987]~~

~~*Richtersius coronifer* (Richters, 1903)~~

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>

Tenuibiotus willardi (Pilato, 1977) <Transferred from *Macrobiotus* by Pilato & Lisi 2011>

Xerobiotus Bertolani & Biserov, 1996

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

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

Xerobiotus xerophilus (Dastych, 1978)

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 nocentinae (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 *Macrobotidae* by Guidetti *et al.* 2016>

Adorybiotus granulatus (Richters, 1903)

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

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

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

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

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

Richtersius coronifer (Richters, 1903)

Incertae sedis

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

Beornidae Cooper, 1964

Beorn leggi Cooper, 1964 {fossil species}

Necopinatidae Ramazzotti & Maucci, 1983

Necopinatum Pilato, 1971

Necopinatum mirabile Pilato, 1971

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