

Burmese (Myanmar) amber taxa, on-line checklist v.2018.1

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This taxonomic list is based on Ross *et al* (2010) plus non-arthropod taxa and published papers up to the end of April 2018. It does not contain unpublished records or records from papers in press (including on-line proofs) or unsubstantiated on-line records. Often the final versions of papers were published on-line the year before they appeared in print, so the on-line published year is accepted and referred to accordingly. Note, the authorship of species does not necessarily correspond to the full authorship of papers where they were described.

The latest high level classification is used where possible though in some cases conflicts were encountered, usually due to cladistic studies, so in these cases an older classification was adopted for convenience. The classification for Hexapoda follows Nicholson *et al.* (2015), plus subsequent papers. † denotes extinct orders and families.

New additions or taxonomic changes to the previous list (v.2017.4) are marked in **blue**, corrections are marked in **red**.

The list comprises 37 classes (or similar rank), 99 orders (or similar rank), 510 families, 713 genera and 916 species. This includes 8 classes, 64 orders, 467 families, 656 genera and 849 species of arthropods.

Some previously recorded families have since been synonymised or relegated to subfamily level- these are included in parentheses in the main list below. The following families are no longer recognised or not accepted as occurring in Burmese amber due to previously included taxa being moved to other families or *incertae sedis*, families being erected to superfamilies, subfamilies being erected to families, specimens being re-identified, families recorded in error or not valid-

Hexapoda

- Bibionidae
- †Eadiidae
- †Ectinothripidae (*nomen nudum*)
- Eriocraniidae
- Hilarimorphidae
- Leptoceridae
- [Neanuridae](#)
- Piesmatidae
- Pompilidae
- †Raphidiomimidae
- Rhinotermitidae
- Telephlebiidae
- Termopsidae
- Therevidae
- Trigonalidae

Arachnida

- †Archaeobuthidae
- Dictynidae
- [Erythraeidae](#)
- Linyphiidae
- [Liphistidae](#)
- Nephilidae
- Olpidae
- Pisauridae
- †Salticoididae
- Sironidae
- [Thomisidae](#)

Plantae

- Hypnodendraceae

The huge book by Zhang (2017) includes many new family records though some appear to be doubtful. I have included them for completeness but they need to be confirmed. There are several spelling errors which I've corrected and put the incorrect spelling in brackets. For the Mantodea *Burmantis* is incorrectly listed under Santanmantidae. Although Delclos *et al.* (2015) did not include this genus in a family it is actually the type genus of the family Gryllomantidae as *Burmantis* is a senior synonym of *Gryllomantis*.

The paper by Jałoszyński *et al.* (2018) on Staphylinidae included new generic synonyms but they neglected to provide new combinations and used the old combinations throughout the paper. I have listed the new combinations below but with a note to say that they are not published.

The list by Guo *et al.* (2017) includes additional information on type specimens. However, they included five species: *Jordansegestria detruneo* (No. 109), *Archaelagonops alavensis* (No. 127), *Xiphos vani* (No. 275), *Dorotheus guidensis* (No. 402) and *Haidoterminus cippus* (No. 576) that were described from other ambers or fossil deposits and have not been recorded from Burmese amber.

The word 'Birmite' has been used for Burmese amber, but this is incorrect. Birmite is a 19th Century trade name for a man-made resin (urea formaldehyde), so should not be used. Burmite is the correct mineral name.

The Bibliography lists papers on Burmese amber published since 1995, including those that discuss species already described (list is not comprehensive) and papers that contain other information, such as about the geology, chemistry and ecology. See the reference lists in Ross & York (2000) and Zherikhin & Ross (2000) for papers published before 1995.

At the end of the Bibliography is a separate list of papers in press. Data from these will be added to the taxonomic list when they are published.

Many thanks to everyone who has supplied pdfs of their papers. So that I can keep the list up-to-date please continue to send me your pdfs and let me know of any corrections required (particularly due to taxonomic changes) and references of papers in press. This list will be periodically updated and made available on-line via webpage and Research Gate.

I welcome collaboration on future papers using this data, which will give me the incentive to keep the list up-to-date.

If you find this list useful to your research please cite it as follows-

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HEXAPODA (2c., 34o., 349f., 512g., 617sp.)

Entognatha (4o., 8f., 13g., 14sp.)

Diplura (2f.)

Campodeidae

Japygidae

Entomobryomorpha (3f., 8g., 9sp.)

Isotomidae

Burmisotoma lamellifera Christiansen & Nascimbene, 2006

Proisotoma petterssonae Christiansen & Nascimbene, 2006

Propachytoma conica Christiansen & Nascimbene, 2006

Protodesoria granda Christiansen & Nascimbene, 2006

Protoisotoma burma Christiansen & Nascimbene, 2006

Villusisotoma brevis Christiansen & Nascimbene, 2006

Villusisotoma longa Christiansen & Nascimbene, 2006

†Praentomobryidae

Cretacentomobrya burma Christiansen & Nascimbene, 2006

Praentomobrya avita Christiansen & Nascimbene, 2006

Tomoceridae

Poduromorpha (2f., 1g., 1sp.)

Neanuridae

Odontellidae

Protodontella minicornis Christiansen & Nascimbene, 2006

Symphyleona (1f., 4g., 4sp.)

Sminthuridae

Grinnellia ventis Christiansen & Nascimbene, 2006

Mucrovirga incompleta Christiansen & Nascimbene, 2006

Sminthurconus grimaldi Christiansen & Nascimbene, 2006

Sminthuricinus deceptus Christiansen & Nascimbene, 2006

Insecta (30o., 341f., 499g., 603sp., excluding copal)

Archaeognatha (2f., 5g., 6sp.)

Machilidae

Meinertellidae

Cretaceobrevibusantennis hookensis Chen & Su, 2017

Cretaceobrevibusantennis thornis Chen & Su, 2017

Cretaceomachilis longa Zhang, Li, Shih, Zhang & Ren, 2017

?*Macropsontus* sp.

Nullmeinertellus wenxuani Zhang, Li, Shih, Zhang & Ren, 2017

Unimeinertellus abundus Zhang, Li, Shih, Zhang & Ren, 2017

Unimeinertellus bellus Zhang, Li, Shih, Zhang & Ren, 2017

Zygentoma (1f., 3g., 3sp.)

Lepismatidae

Allacrotelsa burmiticus (Cockerell, 1917)

Burmalepisma cretacicum Mendes & Poinar, 2008

Cretalepisma kachinicum Mendes & Wunderlich, 2013

Ephemeroptera (6f., 4g., 4sp.)

†Australiphemeridae

Nanophemera myanmarensis McCafferty & Santiago-Blay, 2009

Baetidae

Vetufiformosa buckleyi Poinar, 2011

Ephemeridae

Heptageniidae

Isonychiidae

Prosopistomatidae

Proximicorneus rectivenius Lin, Shih & Ren, 2017

Family *incertae sedis*

Myanmarella rossi Sinitshenkova, 2000

Odonata (18f., 22g., 27sp.)

Aeshnidae (=Aeschnidae)

†Burmacoenagrionidae

Burmachistigma cheni Zheng, Nel, Zhang, Chang, Jarzembowski, Zhuo & Wang, 2017

Burmacoenagrion pretiosus Zheng, Nel, Zhang, Chang, Jarzembowski, Zhuo & Wang, 2017

Burmagrion marijanmatoki Möstel, Schorr & Bechly, 2017

Electrocoenagrion elongatum Zheng, Nel, Zhang, Chang, Jarzembowski, Zhuo & Wang, 2017

Electrocoenagrion forficatum Zheng, Nel, Zhang, Chang, Jarzembowski, Zhuo & Wang, 2017

†Burmaeshnidae

Angustaeschna magnifica Huang, Cai & Nel, 2017

Burmaeshna azari Huang, Cai, Nel, & Bechly, 2017

Cretaeshna lini Zheng, Chang, Jarzembowski & Wang, 2016

†Burmagomphidae

Burmagomphides electronica Zheng, Nel & Wang, 2017

†Burmaphlebiidae

Burmaphlebia reifi Bechly & Poinar, 2013

Calopterygidae

Coenagrionidae

Dysagrionidae

Burmadysagrion zhangii Zheng, Wang & Nel, 2016

Electrodysagrion lini Zheng, Nel & Wang, 2017

Palaeodysagrion cretacicus Zheng, Zhang, Nel, Jarzembowski, Zhou, Chang & Wang, 2016

Palaeodysagrion youlini Zheng, Chang & Chang, 2017

Gomphaeschnidae

Cretagomphaeschnaoides jarzembowskiae Zheng, Jarzembowski, Chang & Wang, 2016

Gomphidae

Burmalindenia imperfecta Schädel & Bechly, 2016

Hemiphlebiidae

Burmahemiphlebia zhangii Zheng, Zhang, Nel, Jarzembowski, Zhou, Chang & Wang, 2016

Libellulidae

Megapodagrionidae

†Mesomegaloprepidae

Mesomegaloprepus magnificus Huang, Azar, Cai, Maksoud, Nel, & Bechly, 2017

†Paracoryphagrionidae

Paracoryphagrion deltoides Zheng, Nel & Wang, 2017

Perilestidae

Palaeoperilestes electronicus Zheng, Wang, Jarzembowski, Chang & Nel, 2016

Platycnemididae

Cretadisparoneura hongii Huang, Azar, Cai & Nel, 2015

Palaeodisparoneura burmanica Poinar, Bechly & Buckley, 2010

Palaeodisparoneura cretatica Zheng, Wang & Chang, 2016

Yijenplatycnemis huangii Zheng, Nel, Jarzembowski, Chang, Zhang, Xia, Liu & Wang, 2017

Platystictidae

Mesosticta davidattenboroughi Zheng, Wang, Nel, Jarzembowski, Zhang & Chang, 2017

Mesosticta burmanica Huang, Azar, Cai & Nel, 2015

Mesosticta electronica Zheng, Zhang, Chang & Wang, 2016

†Aethiocarenodea (1f., 1g., 1sp.)

†Aethiocarenidae

Aethiocarenum burmanicum Poinar & Brown, 2016

†Alienoptera (1f., 3g., 3sp.)

†Alienopteridae

Alienopterella stigmatica Kočárek, 2018

Alienopterus brachyelytrus Bai, Beutel, Klass, Wipfler & Zhang, 2016

Caputoraptor elegans Bai, Beutel & Wipfler, 2018

Blattodea (incl. Isoptera) (11f., 14g., 13sp.)

†Archeorhinotermitidae

Archeorhinotermes rossi Krishna & Grimaldi, 2003

Blaberidae

Blattidae

Balatronis cretacea Smídová & Lei, 2017

†Caloblattinidae

- Raphidiomimula burmitica* Grimaldi & Ross, 2004
 Corydiidae (=Polyphagidae)
 Ectobiidae (=Blattellidae)
 Hodotermitidae?
 Kalotermitidae
 Kachinitermopsis burmensis (Poinar, 2009)
 Proelectrotermes holmgreni Engel, Grimaldi & Krishna, 2007
 Proelectrotermes swinhoei (Cockerell, 1916)
 †Olidae
 Ol xiai Vršanský & Wang, 2017
 Termitidae?
 †Umenocoleidae (=Ponopterixidae)
 Jantaropteryx sp.
 Ponopterix sp.
 Family *incertae sedis*
 Dharmatermes avernalis Engel, Grimaldi & Krishna, 2007
 Ginormotermes rex (Engel, Barden & Grimaldi, 2016)
 Kachinitermes tristis (Cockerell, 1917)
 Krishnatermes yoddha Engel, Barden & Grimaldi, 2016
 Mylacrotermes cordatus Engel, Grimaldi & Krishna, 2007
 Tanytermes anawrahtai Engel, Grimaldi & Krishna, 2007
- Dermaptera (4f., 8g., 8sp.)
 Anisolabididae?
 Toxolabis zigrasi Engel & Grimaldi, 2014
 Diplatyidae
 Tythydiplatys mecynocercus Engel, 2011
 Labiduridae
 Myrrholabia electrina (Cockerell, 1920)
 Zigrasolabis speciosa Engel & Grimaldi, 2014
 Pygidicranidae
 Astreptolabis ethirosomatia Engel, 2011
 Burmapygia resinata Engel & Grimaldi, 2004
 Gracilipygia canaliculata Ren, Zhang, Shih & Ren, 2017
 Stonychopygia leptocerca Engel & Huang, 2016
- Embioptera (4f., 4g., 4sp.)
 Clothodidae
 Atmetoclothoda orthotenes Engel & Huang, 2016
 Oligotomidae
 Litoclostes delicatus Engel & Huang, 2016
 Notoligotomidae (=Burmitembiidae)
 Burmitembia venosa Cockerell, 1919
 †Sorellembiidae
 Sorellembia estherae Engel & Grimaldi, 2006

Grylloblattodea (1g., 1sp.)

Family *incertae sedis*

Sylvalitoralis cheni Zhang, Bai & Yang, 2016

Mantodea (1f., 1g., 3sp.)

†Gryllomantidae

Burmantis asiatica Grimaldi, 2003

Burmantis burmitica (Grimaldi, 2003)

Burmantis zherikhini Delclòs, Peñalver, Arillo, Engel, Nel, Azar & Ross, 2015

Orthoptera (6f., 5g., 5sp.)

†Elcanidae

Burmelcana longirostris Peñalver & Grimaldi, 2010

Longioculus burmensis Poinar, Gorochov & Buckley, 2007

Gryllidae

Mogoplistidae

Protomogoplistes asquamosus Gorochov, 2010

Tetrigidae

Tettigonidae

Tridactylidae

Birmitoxya intermedia Gorochov, 2010

Burmadactylus grimaldii Heads, 2009

Phasmatodea (2f., 3g., 4sp.)

†Archipseudophasmatidae

Pseudoperla leptoclada Chen, Zhang, Shih & Ren, 2017

Pseudoperla scapiforma Chen, Zhang, Shih & Ren, 2017

Phasmatidae

Echinosomiscus primoticus Engel & Wang, 2016

Family *incertae sedis*

Elasmophasma stictum Chen, Yin, Lin, Shih, Zhang, Gao & Ren, 2018

Plecoptera (1f., 1g., 3sp.)

Perlidae

Largusoperla acus Chen, Wang & Du, 2018

Largusoperla arcus Chen, Wang & Du, 2018

Largusoperla flata Chen, Wang & Du, 2018

Zoraptera (1f., 2g., 6sp.)

Zorotypidae

Zorotypus acanthothorax Engel & Grimaldi, 2002

Zorotypus cenomanianus Yin, Cai & Huang, 2017

Zorotypus cretatus Engel & Grimaldi, 2002

Zorotypus denticulatus Yin, Cai & Huang, 2017

Zorotypus nascimbenei Engel & Grimaldi, 2002

Xenozorotypus burmiticus Engel & Grimaldi, 2002

Hemiptera (54f., 57g., 62sp.)

Achilidae

Niryasaburnia burmitina (Cockerell, 1917)

†Albicoccidae

Albicoccus dimai Koteja, 2004

Aleyrodidae

'*Aleurodicus*' *burmiticus* Cockerell, 1919

Burmoselis evelynae Shcherbakov, 2000

Aphrophoridae

Aradidae

Aradoleptus birmanus Heiss, 2016

Archearadus burmensis Heiss & Grimaldi, 2001

Archearadus elongatus Heiss, 2016

Calisiomorpha yuripopovi Heiss, 2016

Cretopiesma suukyiae Grimaldi & Engel, 2008

Ellenbergeria oviventris Heiss, 2016

Kachinocoris brevipennis Heiss, 2012

Microaradus anticus Heiss & Poinar, 2012

Myanmezira longicornis Heiss & Poinar, 2012

†Burmacoccidae

Burmacoccus danyi Koteja, 2004

†Burmitaphidae (=Burmitaphididae)

Burmitaphis prolatum Poinar & Brown, 2005

Caulinus burmitis Poinar & Brown, 2005

Tanyaulus caudisetula Poinar, 2017

Callaphididae

Cercopidae

Cicadellidae

Priscacutius denticulatus Poinar & Brown, 2017

Cicadidae

Burmacicada protera Poinar & Kritsky, 2011

Cimicidae

Quasicimex eilapinastes Engel, 2008

Cixiidae

Plecophlebus nebulosus Cockerell, 1917

Coccidae

Rosahendersonia prisca Vea & Grimaldi, 2015

Coreidae

Cydnidae

Dictyopharidae

Dipsocoridae

†Dorytocidae

Dorytocus ornithorhynchus Emeljanov & Shcherbakov, 2018

Enicocephalidae

Disphaerocephalus constrictus Cockerell, 1917
Disphaerocephalus macropterus Cockerell, 1917
Disphaerocephalus swinhoei (Cockerell, 1917)
Paenicotechys fossilis (Cockerell, 1916)

Fulgoridae?

Gelastocoridae

Gelastocoris curiosus Poinar & Brown, 2016
Nerthra bichelata Poinar & Brown, 2016

Gerridae

†Hodgsonicoccidae

Hodgsonicoccus sp.

Hydrometridae

Burmametra macrocarinata Huang, Garrouste, Azar, Engel & Nel, 2014
Carinametra burmensis Andersen & Grimaldi 2001

Issidae

†Juraphididae (=Isolitaphidae)

Isolitaphis prolatantennus Poinar, 2017
Prolavexillaphis munditia Liu, Qiao & Yao, 2017

Kinnaridae

†Kozariidae

Kozarius achronus Veá & Grimaldi, 2015
Kozarius perpetuus Veá & Grimaldi, 2015

Leptopodidae

Grimaldina pronotalis Popov & Heiss, 2014
Leptosaldinea cobbeni Popov & Heiss, 2016

Margarodidae

Matsucoccidae

†Mimarachnidae

Burmissus raunoi Shcherbakov, 2017
Dachibangus trimaculatus Jiang, Szwedó & Wang, 2018

Miridae

Monophlebidae (=Monophlebidae)

Naucoridae

Ochteridae

Ortheziidae

Burmorthesia kotejai Veá & Grimaldi, 2012
Burmorthesia insolita Veá & Grimaldi, 2012
Wathondara kotejai Simon, Szwedó & Xia, 2015

†Palaeoleptidae

Palaeoleptus burmanicus Poinar & Buckley, 2009

†Parvaverrucosidae (=Verrucosidae)

Parvaverrucosa annulata (Poinar & Brown, 2005)

†Perforissidae

Foveopsis fennahi Shcherbakov, 2007
Foveopsis heteroidea Zhang, Ren & Yao, 2017

†Protopsyllidiidae

- Postopsyllidium rebecca* Grimaldi, 2003
- Pseudococcidae
Gilderius eukrinops Veá & Grimaldi, 2015
- Reduviidae
- Schizopteridae
Hexaphlebia burmanica Poinar, 2015
Lumatibialis burmitis Poinar, 2015
Tanaia burmitica Perrichot, Nel, & Néraudeau, 2007
- †Sinoalidae
Fangyuania xiai Chen, Szwedó & Wang, 2018
- †Tajmyraphididae
- Tettigarctidae
- Tingidae
Burmacader multivenosus Heiss & Guilbert, 2013
Spinitingis ellenbergeri Heiss & Guilbert, 2013
Tingiometra burmanica Heiss, Golub & Popov, 2015
- Tropiduchidae
- Velocipedidae
Aphrastomedes anthocoroides Yamada & Yamamoto, 2017
- Veliidae
- †Weitschatidae
Criniverticillus longicumulus Lin, Yao & Ren, 2018
Pseudoweitschatus audebertis Veá & Grimaldi, 2015
- Xylococcidae?
 Family *incertae sedis*
Alacrena peculiaris Veá & Grimaldi, 2015
Magnilens glaesaria Veá & Grimaldi, 2015
Marmyan barbarae Koteja, 2004
Pedicellicoccus marginatus Veá & Grimaldi, 2015
- †Permopsocida (1f., 3g., 3sp.)
- †Archipsyllidae
Burmopsylla maculata Liang, Zhang & Liu, 2016
Mydiognathus eviohlhoffae Yoshizawa & Lienhard, 2016
Psocorrhyncha burmitica Huang, Bechly, Nel, Engel, Prokop, Azar, Cai, Kamp, Staniczek, Garrouste, Krogmann, Santos Rolo, Baumbach, Ohlhoff, Shmakov, Bourgoín & Nel, 2016.
- Psocoptera (9f., 9g., 15sp.)
- †Archaeatropidae
Archaeatropos perantiqua (Cockerell, 1919)
- Compsocidae
Burmacompsocus banksi (Cockerell, 1916)
Burmacompsocus coniugans Sroka & Nel, 2017
Burmacompsocus perreai Nel & Waller, 2007
Paraelectrentomopsis chenyangcaii Azar, Hakim & Huang, 2016

Liposcelididae

Cretoscelis burmitica Grimaldi & Engel, 2005

Manicapsocidae

Palaeomanicapsocus fouadi Azar, Hakim, Huang, Cai & Nel, 2016

Palaeomanicapsocus margoae Azar, Hakim, Huang, Cai & Nel, 2016

Pachytroctidae

Atapinella garroustei Azar, Huang, Cai & Nel, 2014

Burmipachytrocta singularis Azar, Huang, Cai & Nel, 2014

Prionoglarididae

Palaeosiamoglaris burmica Azar, Huang & Nel, 2017

Palaeosiamoglaris inexpectata Azar, Huang & Nel, 2017

Palaeosiamoglaris leinhardi Azar, Huang & Nel, 2017

Psyllipsocidae

Annulipsyllipsocus andrenei Hakim, Azar, Maksoud, Huang & Azar, 2017

Annulipsyllipsocus inexpectatus Hakim, Azar, Maksoud, Huang & Azar, 2017

Sphaeropsocidae

Trogiidae

Thysanoptera (2f.)

Aeolothripidae

Thripidae

Coleoptera (74f., 101g., 115sp.)

Aderidae

Anthicidae

'Eurygenius' wickhami Cockerell, 1917

Anthribidae

Bostrichidae (=Bostrychidae)

Buprestidae

Cantharidae

Archaeomalthodes rosetta Hsiao, Ślipiński & Pang, 2016

Burmomiles willerslevorum Fanti, Damgaard & Ellenberger, 2018

Myamalycocerus vitalii Fanti & Ellenberger, 2016

Ornatomalthinus elvirae Poinar & Fanti, 2016

Sanaungulus curtipennis Fanti, Damgaard & Ellenberger, 2018

Sanaungulus ghitaenoerbyae Fanti, Damgaard & Ellenberger, 2018

Carabidae

Oodes kachinensis Liu 2014

Caridae

Cerambycidae

Qitianniu zhihaoi Lin & Bai, 2017

Cerylonidae

Chrysomelidae

Ciidae (=Cisidae)

Cleridae

Cucujidae

Cupedidae

- Barbaticupes combertiae* Jarzembowski, Wang & Zheng, 2017
Mallecupes clevelyi Jarzembowski, Wang & Zheng, 2017
Mallecupes qingqingae Jarzembowski, Wang & Zheng, 2016
'*Notocupes*' sp.
Tetraphalerus lindae Jarzembowski, Wang & Zheng, 2017

Curculionidae (=Platypodidae, Scolytidae)

- Anchineus dolichobothris* Poinar & Brown, 2009
Burmorhinus georgei Legalov, 2017
Cryphalites rugosissimus Cockerell, 1917
Microborus inertus Cognato & Grimaldi, 2009
Palaeocryptorhynchus burmanus Poinar, 2009

Dascillidae

Dermestidae

- Attagenus burmiticus* Cai, Háva & Huang, 2016
Attagenus lundi Háva & Damgaard, 2017
Attagenus secundus Deng, Ślipiński, Ren & Pang, 2017
Cretodermestes palpalis Deng, Ślipiński, Ren & Pang, 2017
Dermestes larvalis Cockerell, 1917
Megatoma atypica Deng, Ślipiński, Ren & Pang, 2017

Drilidae

Elateridae

- '*Acmaeodera*' *burmitina* Cockerell, 1917
'*Elater*' *burmitinus* Cockerell, 1917

Elmidae

- Cretohypsilara parva* Cai, Maier & Huang, 2018

Endomychidae

Eucinetidae

Eucnemidae

Geotrupidae

- Amberathyreus beuteli* Bai & Zhang, 2016

Gyrinidae

Histeridae

- Amplectister tenax* Caterino & Maddison, 2018
Cretonthophilus tuberculatus Caterino, Wolf-Schwenninger & Bechly, 2015
Pantostictus burmanicus Poinar & Brown, 2009

Hybosoridae

- Hybosorus ocampoi* Bai & Zhang, 2015

Hydraenidae

- Archaeodraena cretacea* Jäch & Yamamoto, 2017

Hydrophilidae

- Cretocrenis burmanicus* Fikáček, Minoshima, Komarek, Short, Huang & Cai, 2017

Ithyceridae (=Eccoptarthridae)

- Habropezus plaisiommus* Poinar, Brown & Legalov, 2016
Mekorhamphus gyalommus Poinar, Brown & Legalov, 2016
Mesophyletis calhouni Poinar, 2006

Jacobsoniidae

Derolathrus abyssus Yamamoto & Parker, 2017

Sarothrias cretaceus Cai, Ślipiński, Leschen, Yin, Zhuo & Huang, 2017

Kateretidae

Furcalabratum burmanicum Poinar & Brown, 2017

Laemophloeidae

Lampyridae

Protoluciola albertalleni Kazantsev, 2015

Latridiidae (=Lathridiidae)

Leiodidae

Colon burmiticum Yamamoto, 2018

Colonellus burmiticus Cai & Huang, 2017

Cretagyrtodes glabratus Cai & Huang, 2017

Lepiceridae (=Haplochelidae)

Lepicerus georissoides (Kirejtshuk & Poinar, 2006)

Lepicerus mumia Jałoszyński & Yamamoto, 2017

Lepicerus pretiosus (Kirejtshuk & Poinar, 2013)

Lucanidae

Electraesalopsis beuteli Bai, Zhang & Qiu, 2017 (in Qui *et al.* 2017)

Protonicagus tani Cai, Yin, Liu & Huang, 2017

Lymexylidae

Melandryidae

Meloidae

Microentomus epibatus Poinar, 2015

Melyridae

Monotomidae

Cretakarenni birmanicus Peris & Declòs, 2015

Mordellidae

Nemonychidae

Aepyceratus hyperochus Poinar, Brown & Legalov, 2017

Burmonyx zigrasi Davis & Engel, 2014

Nitidulidae

Sorodites angustipes Kirejtshuk, 2018

Oedemeridae

Ommatidae

Brochocoleus caseyi Jarzembowski, Wang & Zheng, 2016

Brochocoleus zhiyuani Liu, Tan, Ślipinski, Jarzembowski, Wang, Ren & Pang, 2017

Clessidromma palmeri Jarzembowski, Wang & Zheng, 2017

Omma lii Jarzembowski, Wang & Zheng, 2016

Paraodontomma burmitica Yamamoto, 2017

Stegocoleus caii Jarzembowski & Wang, 2016

Passalidae

Ceracyclus jirouxi Boucher, Bai & Montreuil, 2017

Ceracyclus lotus Boucher, Bai & Montreuil, 2017

†Passalopalpidae

Passalopalpus cheni Boucher, Bai & Zhang, 2016

Prostomidae

Vetuprostomis consimilis Engel & Grimaldi, 2008

Psephenidae

Ptiliidae

Ptinidae (=Anobiidae)

Ptilodactylidae

Aphebodactyla rhetine Chatzimanolis, Cashion, Engel & Falin, 2012

Rhipiphoridae (=Rhipiphoridae)

Cretaceoripidius burmiticus (Cockerell, 1917)

Flabellotoma heidia Batelka, Prokop & Engel, 2016

Paleoripiphorus cf. *deploegi* Perrichot, Nel & Neraudeau, 2004 (in Batelka *et al.*, 2016)

Spinotoma ruicheni Hsiao & Huang, 2017

Rhysodidae (=Rhysodidae)

Salpingidae

Scarabaeidae

Electrorubesopsis beuteli Bai & Wang, 2018

Scirtidae (=Helodidae)

Mesernobius anawrahtai Engel, 2010

Scraptiidae

Silphidae

Nicrophorus sp.

Silvanidae

Pleuroceratos burmiticus Poinar & Kirejtshuk, 2008

Smicripidae

Mesosmicrips cretacea (Cai & Huang, 2016)

Sphaeriusidae (=Microsporidae)

Burmasporum rossi Kirejtshuk, 2009

Staphylinidae (=Pselaphidae, Scydmaenidae)

Boreotethys arctopteryx Parker, 2016

Boreotethys grimaldii Parker, 2016

Cenomaniola carinata Jałoszyński & Yamamoto, 2017

Cenomaniola macrophthalma Jałoszyński & Yamamoto, 2017

Clidicostigus arachnipes Jałoszyński, Brunke & Bai, 2017

Clidicostigus monstrabilis (Yin & Cai, 2017) [new combination not published]

Clidicus archaicus (Cai & Huang, 2016) [new combination not published]

Clidicus burmiticus (Yin, Cai, Huang & Li, 2017) [new combination not published]

Cretobythus excavatus Yin, Parker & Cai, 2017

Cretodeinopsis aenigmatica Cai & Huang, 2014

Cretotrichopsenius burmiticus Cai, Huang, Newton, Eldredge & Engel, 2017

Ektatotricha paradoxa Chatzimanolis, Engel & Newton, 2010

Electroatopos castaneus Chatzimanolis, Engel & Newton, 2010

Festenus gracilis Żyła, Yamamoto, Wolf-Schwenninger & Solodovnikov, 2017

Festenus robustus Żyła, Yamamoto, Wolf-Schwenninger & Solodovnikov, 2017

Hapsomela burmitis Poinar & Brown, 2004

Kachinus antennatus Chatzimanolis, Engel & Newton, 2010

Kuafu borealis Yin, Cai & Huang, 2017

Megalopinus extinctus Yamamoto & Solodovnikov, 2016
Mesallotrochus longiantennatus Cai & Huang, 2014
Mesosymbion compactus Yamamoto, Maruyama & Parker, 2016
Nuegua elongata Yin, Cai & Newton, 2018
Octavius electrospinosus Clarke & Chatzimanolis, 2009
Oxyporus cretaceous Yamamoto, 2017
Prajna tianmiaoe Lü, Cai & Huang, 2016
Procileoporus burmiticus Yamamoto, 2016
Prosolierius crassicornis Thayer, Newton & Chatzimanolis, 2011
Prosolierius mixticornis Thayer, Newton & Chatzimanolis, 2011
Prosolierius tenuicornis Thayer, Newton & Chatzimanolis, 2011
Protodasycerus aenigmaticus Yamamoto, 2016
Protopeplus cretaceus Cai & Huang, 2014
Protrichonyx rafifrons Parker, 2016
Scydmbisetia vetutissima Jałoszyński & Yamamoto, 2016
Vetudasycerus burmiticus Cai, Thayer, Newton, Yin & Huang, 2017
Vetuproteinus cretaceus Cai, Newton & Thayer, 2016

Tenebrionidae

Tetratomidae

Cretosynstrophus archaicus Cai, Hsiao & Huang, 2016
Thescelostrophus cretaceus Yu, Hsiao, Ślipiński, Jin, Ren & Pang, 2016

Thanerocleridae

Cretozenodosus fossilis Cai & Huang, 2018

Throscidae

Trogidae

Trogossitidae

Zopheridae (=Colydiidae)

Cretomysteria burmanica Deng, Ślipiński, Ren & Pang, 2017
Paleoendeitoma antennata Deng, Ślipiński, Ren & Pang, 2017
Paleoendeitoma minuta Deng, Ślipiński, Ren & Pang, 2017

Diptera (47f., 99g., 125sp.)

Acroceridae

Schlingeromyia minuta Grimaldi & Hauser, 2011

Anisopodidae

Mycetobia sp.

Apsilocephalidae

Burmapsilocephala cockerelli Gaimari & Mostovski, 2000
Burmapsilocephala evocoa Grimaldi, 2016
Irwinimyia spinosa Zhang, Li, Wang & Yeates, 2017
Kumaromyia burmitica Grimaldi & Hauser, 2011
Myanmarpsilocephala grimaldii Zhang, Li, Wang & Yeates, 2017

Apystomyiidae

Hilarimorphites cummingi Grimaldi, 2016
Hilarimorphites burmanica Grimaldi & Cumming, 2011

Asilidae

Burmapogon bruckschi Dikow & Grimaldi, 2014
 Atelestidae
 Meghyperus? sp.
 Blephariceridae
 Bombyliidae
 Endymiomyia quadra Grimaldi, 2016
 Nealimyia evenhuisi Grimaldi, 2016
 Pioneeria bombylia Grimaldi, 2016
 Procrocidium minutum Grimaldi, 2016
 †Cascopleciidae
 Cascoplecia insolitis Poinar, 2010
 Cecidomyiidae
 Ganseriella pankowskiorum Fedotova & Perkovsky, 2017
 Winnertzia burmitica (Cockerell, 1917)
 Ceratopogonidae
 Archiaustroconops gracilis Szadziewski & Poinar, 2005
 Archiaustroconops kotejai Szadziewski & Poinar, 2005
 Archiculicoides andersoni Szadziewski, Ross & Gilka, 2014
 Archiculicoides burmiticus (Szadziewski & Poinar, 2005)
 Austroconops asiaticus Szadziewski, 2004
 Leptoconops burmiticus Szadziewski, 2004
 Leptoconops ellenbergeri Szadziewski, Gilka & Urbanek, 2015
 Leptoconops myanmaricus Szadziewski, 2004
 Leptoconops nosopheris Poinar, 2008
 Leptoconops rossi Szadziewski, 2004
 Leptoconops subrossicus Szadziewski & Poinar, 2005
 Protoculicoides swinhoei (Cockerell, 1919)
 Chaoboridae
 Chaoburmus brevisculus Lukashevitch, 2000
 ? *Chaoburmus victimaartis* Lukashevitch, 2000
 †Chimeromyiidae
 Chimeromyia burmitica Grimaldi & Cumming, 2009
 Chironomidae
 Furcobuchonomyia pankowskii Gilka & Zakrzewska, 2017
 Furcobuchonomyia saetheri Baranov, Góral & Ross, 2017
 Corethrellidae
 Corethrella andersoni Poinar & Szadziewski, 2007
 Culicidae
 Burmaculex antiquus Borkent & Grimaldi, 2004
 Diadocidiidae
 Docidiadia burmitica Blagoderov & Grimaldi, 2004
 Dolichopodidae
 Empididae
 Burmitempis halteralis Cockerel, 1917
 Cretoplatypalpus? sp.
 †Eremochaetidae

Zhenia xiai Zhang, Zhang, Feng, Zhang & Wang, 2015
 †Eucaudomyiidae
 Eucaudomyia longicerci Grimaldi, 2016
 Hybotidae
 Alavesia sp.
 Electrocyrtoma burmanicum Cockerell, 1917
 Keroplatidae
 Burmacrocera petiolata Cockerell, 1917
 Limoniidae
 ? *Antocha lapra* Podenas & Poinar, 2009
 Austrolimnophila joana Podenas & Poinar, 2009
 Burmoptera azu Podenas & Poinar, 2009
 Drinosa prisca Podenas & Poinar, 2009
 Dicranoptycha burmitica Kania & Szwedo, 2014
 Dicranoptycha fragmentata Krzeminski, 2004
 Dicranoptycha plicativa Gao, Shih & Ren, 2015
 Gonomyia sp.
 Helius krzeminskii Ribeiro, 2003
 Lebania scomax Podenas & Poinar, 2009
 Limnophila bora Podenas & Poinar, 2009
 Rhabdomastix jarzembowskii Krzeminski, 2004
 Trentepohlia dzeura Podenas & Poinar, 2009
 Lygistorrhinidae
 Archaeognoriste primitiva Blagoderov & Grimaldi, 2004
 Leptognoriste davisii Blagoderov & Grimaldi, 2004
 Leptognoriste microstoma Blagoderov & Grimaldi, 2004
 Protognoriste goeleti Blagoderov & Grimaldi, 2004
 Protognoriste nascifoa Blagoderov & Grimaldi, 2004
 Mycetophilidae
 Alavamanota burmitina Blagoderov & Grimaldi, 2004
 Allocotocera burmitica Blagoderov & Grimaldi, 2004
 Disparoleia cristata Blagoderov & Grimaldi, 2004
 Gaalomyia carolinae Blagoderov & Grimaldi, 2004
 Hemolia glabra Blagoderov & Grimaldi, 2004
 Hemolia matilei Blagoderov & Grimaldi, 2004
 Protragoneura platycera Blagoderov & Grimaldi, 2004
 Pseudomanota perplexa Blagoderov & Grimaldi, 2004
 ‘*Sciara*’ *burmitina* Cockerell, 1917
 Temaleia birmitica Blagoderov & Grimaldi, 2004
 Zeliinia orientalis Blagoderov & Grimaldi, 2004
 Mythicomyiidae
 Microburmyia analvena Grimaldi & Cumming, 2011
 Microburmyia veanalvena Grimaldi & Cumming, 2011
 †Mysteromyiidae
 Mysteromyia plumosa Grimaldi, 2016
 Nemestrinidae

Hirmoneura caudiprima Grimaldi, 2016
Hirmoneura aff. *richterae* Mostovski & Delclòs, 2000 (in Grimaldi, 2016)
Hirmoneura zigrasi Grimaldi, 2016
Mesonemestrius caii Zhang, Zhang & Wang, 2017
Phoridae (=Sciadoceridae)
Prioriphora sp.
Pipunculidae
Platypezidae
Psychodidae (=Phlebotomidae)
Axenotrichomyia boisteli Azar, Huang, Cai & Nel, 2015
Bamara groehni Stebner, Solórzano Kraemer, Ibáñez-Bernal & Wagner, 2015
~~*Dacochile microsoma* Poinar & Brown, 2004~~
Datzia bispina Stebner, Solórzano Kraemer, Ibáñez-Bernal & Wagner, 2015
Datzia setosa Stebner, Solórzano Kraemer, Ibáñez-Bernal & Wagner, 2015
Eophlebotomus connectens Cockerell, 1920
Mandalayia beumersorum Stebner, Solórzano Kraemer, Ibáñez-Bernal & Wagner, 2015
Nemopalpus quadrispiculatus Stebner, Solórzano Kraemer, Ibáñez-Bernal & Wagner, 2015
Nemopalpus velteni Wagner, 2012
Palaeomyia burmitis Poinar, 2004
Palaeoparasycorax globosus Stebner, Solórzano Kraemer, Ibáñez-Bernal & Wagner, 2015
Palaeoparasycorax suppus Stebner, Solórzano Kraemer, Ibáñez-Bernal & Wagner, 2015
Parasycorax simplex Stebner, Solórzano Kraemer, Ibáñez-Bernal & Wagner, 2015
Phlebotomites aphoe Stebner, Solórzano Kraemer, Ibáñez-Bernal & Wagner, 2015
Phlebotomites burmaticus Malak, Salamé & Azar, 2013
Phlebotomites grimaldii Malak, Salamé & Azar, 2013
Phlebotomites neli Malak, Salamé & Azar, 2013
Phlebotomus vetus Stebner, Solórzano Kraemer, Ibáñez-Bernal & Wagner, 2015
‘*Trichomyia*’ *swinhoei* Cockerell, 1917
Ptychopteridae (=Eoptychopteridae)
Leptychoptera calva Lukashovich, 2004
Leptychoptera reburra Lukashovich, 2004
Rachiceridae
†Rhagionemestriidae
Jurassinemestrinus eurema Grimaldi, 2016
Rhagionidae
Scatopsidae
Sciaridae (=Archizelmiridae)
Burmazelmira aristica Grimaldi, Amorim & Blagoderov, 2003
Stratiomyidae
Lysistrata burmensis Liu, Cai & Huang, 2016
Narcissomyia bella Grimaldi, 2016
Normyia longistyli Grimaldi, 2016
Normyia telescopica Grimaldi, 2016
Normyia woodleyi Grimaldi, 2016

Tabanidae

- Cratotabanus asiaticus* Grimaldi, 2016
- Tabanipriscus transitivus* Grimaldi, 2016

Tanyderidae

- Dacochile microsoma* Poinar & Brown, 2004
- Similinannotanyderus lii* Dong, Shih & Ren, 2015
- Similinannotanyderus zbigniewi* Skibińska & Krzemiński, 2018

†Tethepomyiidae

- Tethepomyia coxa* Grimaldi, 2016
- Tethepomyia zigrasi* Grimaldi & Arillo, 2011

Tipulidae

Valeseguyidae

- Cretoseguya burmitica* Amorim & Grimaldi, 2006

Xylomyiidae

- Archosolva biceps* Grimaldi, 2016
- Archosolva sulcata* Grimaldi, 2016
- Cretasolva burmitica* Grimaldi, 2016

†Zhangsolvidae

- Cratomyia mimetica* Grimaldi, 2016
- Linguatormyia teletacta* Grimaldi, 2015

Family incertae sedis

- Atherhagiox ambiguum* Grimaldi, 2016
- Atherhagiox simulans* Grimaldi, 2016
- Burmacyrtus rusmithi* Grimaldi & Hauser, 2011
- Galloatherix completus* Grimaldi, 2016
- Gracilomyia wit* Grimaldi, 2016
- Myanmyia asteiformia* Grimaldi, 2011
- Palaepangonius glossa* Grimaldi, 2016
- Pseudorhagio zhangi* Zhang, Zhang & Wang, 2016
- Psilocephala electrella* Cockerell, 1920

Hymenoptera (49f., 81g., 104sp.)

Ampulicidae

- Apodolichurus diaphanus* Antropov, 2000
- Apodolichurus sphaerocephalus* Antropov, 2000
- Cretampulex gracilis* Antropov, 2000
- Mendampulex monilicularis* Antropov, 2000

†Aptenoperissidae

- Aptenoperissus amabilis* Zhang & Rasnitsyn, 2017
- Aptenoperissus burmanicus* Rasnitsyn & Poinar, 2016
- Aptenoperissus delicatus* Zhang & Rasnitsyn, 2017
- Aptenoperissus formosus* Zhang & Rasnitsyn, 2017

Aulacidae

- Archeofoenus tartaricus* Engel, 2017
- Electrofoenops diminuta* Engel, 2017
- Electrofoenus gracilipes* Cockerell, 1917

Protofoenus swinhoei Cockerell, 1917
 Bethyliidae
 Apenesia electriphila Cockerell, 1917
 Bethylitella cylindrella Cockerell, 1917
 Epyris atavellus Cockerell, 1920
 Sclerodermus quadridentatum Cockerell, 1917
 Braconidae
 Archaeorhyssalus subsolanus Engel, 2016
 Rhetinorhyssalus morticinus Engel, 2016
 Seneciobracon novalatus Engel & Huang, 2018
 †Bryopompilidae
 Bryopompilus intersector Engel & Grimaldi, 2006
 Cephidae
 Ceraphronidae
 Chalcididae
 Chrysididae
 Auricleptes nebulosus Lucena & Melo, 2018
 Azanichrum pilosum Lucena & Melo, 2018
 Bohartiura glabrata Lucena & Melo, 2018
 Burmasega ammirabilis Lucena & Melo, 2018
 Miracorium tetrafoveolatum Lucena & Melo, 2018
 Crabronidae
 Burmastatus triangularis Antropov, 2000
 Cretospilomena familiaris Antropov, 2000
 Prolemistus apiformis Antropov, 2000
 Diapriidae
 Dryinidae
 Burmadyrinus cenomanianus Olmi, Xu & Guglielmino, 2014
 Burmanteon olmii Engel, 2003
 Dryinus maderai Guglielmino, Olmi, Marletta & Speranza, 2018
 Hybristodryinus resinicolus Engel, 2005
 Ponomarenkoa ellenbergeri Olmi, Xu & He, 2013
 Pseudodryinus burmensis Olmi, Xu & Guglielmino, 2014
 Embolemidae
 Ampulicomorpha janzeni Olmi, Rasnitsyn, Brothers & Guglielmino, 2014
 Evaniidae
 Cretevania bechlyi Jennings, Krogmann & Mew, 2013
 Mesevania swinhoei Basibuyuk & Rasnitsyn, 2000
 Sorellevania deansi Engel, 2006
 †Falsiformicidae
 Formicidae
 Baikuris sp.
 Burmomyrma rossi Dlussky, 1996
 Camelomecia janovitzii Barden & Grimaldi, 2016
 Ceratomyrmex ellenbergeri Perrichot, Wang & Engel, 2016
 Gerontoformica contegus (Barden & Grimaldi, 2014)

Gerontoformica gracilis (Barden & Grimaldi, 2014)
Gerontoformica magnus (Barden & Grimaldi, 2014)
Gerontoformica maraudera Barden & Grimaldi, 2016
Gerontoformica orientalis (Engel & Grimaldi, 2005)
Gerontoformica pilosus (Barden & Grimaldi, 2014)
Gerontoformica robustus (Barden & Grimaldi, 2014)
Gerontoformica rugosus (Barden & Grimaldi, 2014)
Gerontoformica spiralis (Barden & Grimaldi, 2014)
Gerontoformica subcuspidis (Barden & Grimaldi, 2014)
Gerontoformica tendir (Barden & Grimaldi, 2014)
Haidomyrmex cerberus Dlussky, 1996
Haidomyrmex scimitarus Barden & Grimaldi, 2012
Haidomyrmex zigrasi Barden & Grimaldi, 2012
Linguamyrmex vladi Barden & Grimaldi, 2017
Myanmyrma gracilis Engel & Grimaldi, 2005
Zigrasimecia ferox Perrichot, 2014
Zigrasimecia tonsora Barden & Grimaldi, 2013

†Gallorommatidae
Galloromma kachinensis Engel & Grimaldi, 2007

Gasteruptiidae
Hypselogastrion simplex Engel & Wang, 2016
Hyptiogastrites electrinus Cockerell, 1917

Heloridae

Ichneumonidae
Caloichneumon perrarus Li, Kopylov, Shih & Ren, 2016
Novichneumon longus Li, Kopylov, Shih & Ren, 2016

†Maimetshidae
Burmaimetsha concava Perrichot, 2013
Maimetshasia kachinensis Perrichot, 2013

Megalyridae

Megaspilidae

†Melittosphecidae
Melittosphex burmensis Poinar & Danforth, 2006

†Myanmarinidae
Myanmarina jeannineae Li, Shih, Rasnitsyn, Li & Ren, 2018
Myanmarina kachin Zhang & Rasnitsyn, 2017
Myanmarina lahu Zhang & Rasnitsyn, 2017
Myanmarina lisu Zhang & Rasnitsyn, 2017

Mymaridae
Myanmymar aresconoides Huber, 2011

Mymarommatidae
Archaeromma gibsoni Engel & Grimaldi, 2007

†Othniodellithidae
Othniodellitha mantichora Engel & Huang, 2016
Xenodellitha preta Engel, 2017

Pelecniidae

Abropelecinus tythus Guo, Shih & Ren, 2016
Brachypelecinus euthyntus Guo, Shih & Ren, 2016
Zoropelecinus periosus Guo, Shih & Ren, 2016
Zoropelecinus zigrasi Engel & Grimaldi, 2013

†Peleserphidae

Peleproctus dolichurus Zhang, Rasnitsyn, Wang & Zhang, 2018
Peleserphus brachyurus Zhang, Rasnitsyn, Wang & Zhang, 2018
Peleserphus genalis Zhang, Rasnitsyn, Wang & Zhang, 2018

Platygastridae (=Platygasteridae)

Cascoscelio incassus Poinar & Buckley, 2011

†Praeaulacidae

Habraulacus zhaoi Li, Rasnitsyn, Shih & Ren, 2015

Rhopalosomatidae

Eorhopalosoma gorgyra Engel, 2008

Sapygidae

Cretosapyga resinicola Bennett & Engel, 2005

Scelionidae (=Scclionidae)

Geoscelio mckellari Engel & Huang, 2016

Scolebythidae

Cursoribythus silvestris Cockx & McKellar, 2016
Siccibythus musculosus Cockx & McKellar, 2016

Sepulcidae

†Serphitidae

Serphites sp.

Sierolomorphidae

Siricidae

†Spathiopterygidae

Diaspathion ortegai Engel & Huang, 2015

Sphecidae

Stephanidae

Kronostephanus zigrasi Engel & Grimaldi, 2013
Lagenostephanus lii Li, Rasnitsyn, Shih & Ren, 2017
Phorostephanus exilis Engel & Huang, 2016

†Stigmaphronidae

Burmaphron tridentatum Engel & Grimaldi, 2009
Burmaphron prolatum Engel & Grimaldi, 2009

†Syspastoxyelidae

Syspastoxyela raphidia Engel & Huang, 2016

Tiphiidae

Thanatotiphia nyx Engel, Ortega-Blanco & Bennett, 2009

Vespidae

Curiosivespa striata Perrard & Carpenter, 2017
Curiosivespa zigrasi Perrard & Carpenter, 2017
Protovespa haxairei Perrard & Carpenter, 2017

Xiphydriidae

Family *incertae sedis*

Archaeoteleia astropulvis Talamas, 2016
Cirrospheex admirabilis Antropov, 2000
Proteroscelio nexus Talamas, 2016
Trigampulex pervetus (Cockerell, 1917)

Lepidoptera (4f., 2g., 4sp.)

Douglasiidae

Tanyglossus orectometopus Poinar, 2017

Gelechiidae

Gracillariidae

Micropterigidae (=Micropterygidae)

Sabatinca cretacea Zhang, Wang, Shih & Ren, 2017

Sabatinca limula Zhang, Wang, Shih & Ren, 2017

Sabatinca perveta (Cockerell, 1919)

Mecoptera (4f., 4g., 6sp.)

Bittacidae

Bittacus lepiduscretaceus Li, Zhang, Shih & Ren, 2018

Burmobittacus jarzembowskii Zhao, Bashkuev, Chen & Wang, 2016

Meropeidae

Burmomerope clara Zhao & Wang, 2016

Burmomerope eureka Grimaldi & Engel, 2013

Mesopanorpididae

†Pseudopolycentropodidae

Parapolycentropus burmiticus Grimaldi & Rasnitsyn, 2005

Parapolycentropus paraburmiticus Grimaldi & Rasnitsyn, 2005

Megaloptera (1f., 1g., 1sp.)

Sialidae

Haplosialodes liui Huang, Azar, Engel, Cai, Garrouste & Nel, 2016

Neuroptera (21f., 45g., 49sp.)

Ascalaphidae

†Babinskaiidae

Burmobabinskaia tenuis Lu, Zhang & Liu, 2016

Electrobabinskaia burmana Lu, Zhang & Liu, 2016

Parababinskaia makarkini Hu, Lu, Wang & Liu, 2018

Pseudobabinskaia martinsnetoi (Lu, Zhang & Liu, 2016)

Berothidae

Dasyberotha eucharis Engel & Grimaldi, 2008

Ethiroberotha elongata Engel & Grimaldi, 2008

Haploberotha persephone Engel & Grimaldi, 2008

Iceloberotha kachinensis Engel & Grimaldi, 2008

Iceloberotha simulatrix Engel & Grimaldi, 2008

Jersiberotha myanmarensis Engel & Grimaldi, 2008

Jersiberotha tauberorum Engel & Grimaldi, 2008

Maculaberotha nervosa Yuan, Ren & Wang, 2016
Magniberotha recurrens Yuan, Ren & Wang, 2016
Systemoberotha magillae Engel & Grimaldi, 2008
Telistoberotha libitina Engel & Grimaldi, 2008

Chrysopidae
Parabaisochrysa xingkei Lu, Wang, Ohl & Liu, 2018

Coniopterygidae
Achlyoconis heptatrichia Engel, 2016
Cretaconiopteryx grandis Liu & Lu, 2017
Glaesoconis baliopteryx Engel, 2004
Paranimboa litotes Engel, 2016
Phthanoconis burmitica Engel, 2004

†Corydasialidae
Megalopteroneura chenxingi Liu, Lu & Zhang, 2016

Dilaridae
Cretadilar olei Makarkin, 2016
Cretodilar burmanus Liu & Zhang, 2017
Dilar cretaceus Liu & Zhang, 2017
Fiaponeura penghiani Lu, Zhang & Liu, 2016

†Dipteromantispidae
Burmodipteromantispa jiaxiaoe Liu, Lu & Zhang, 2016
Halteriomantispa grimaldii Liu, Lu & Zhang, 2016
Mantispidipterella longissima Liu, Lu & Zhang, 2016

Hemerobiidae

Ithonidae
Burmithone pennyi Lu, Zhang, Ohl & Liu, 2017

Kalligrammatidae

Mantispidae?
Doratomantispa burmanica Poinar, 2010

†Mesochrysopidae
Pedanoptera arachnophila Liu, Zhang, Winterton, Breitkreuz & Engel, 2016

Myrmeleontidae (=Araripeneuridae)
Burmaneura minuta Huang, Azar, Engel, Garrouste, Cai & Nel, 2016

Nemopteridae

Nevrorthidae
Cretarophalis patrickmuelleri Wichard, 2017

Nymphidae
Elenchonymphes electrica Engel & Grimaldi, 2008

Osmylidae
Burmaleon magnificus Myskowiak, Huang, Azar, Cai, Garrouste & Nel, 2016

Psychopsidae
Electropsychops handlirschi Lu, Zhang, Ohl & Liu, 2017
Litopsychopsis burmitica Engel & Grimaldi, 2008

Rachiberothidae
Creagroparaberotha groehni Makarkin, 2015
Eorhachiberotha burmitica Engel, 2004

Micromantispa cristata Shi, Ohl, Wunderlich & Ren, 2014
Scoloberothes necatrix Engel & Grimaldi, 2008

Sisyridae

Paradoxosisyra groehni Makarkin, 2016
Stictosisyra pennyi Yang, Shi, Wang & Pang, 2018

Family *incertae sedis*

Burmopsyrops groehni Makarkin, 2016
Burmopsyrops limoae Lu, Zhang & Liu, 2016
Cretanallachus magnificus Huang, Azar, Cai, Garrouste & Nel, 2015
Oligopsyropsis penniformis Chang, Fang, Shih, Ren & Wang, 2017
Phyllochrysa huangi Liu, Shi, Xia, Lu, Wang & Engel, 2018

Raphidioptera (1f., 4g., 5sp.)

†Mesoraphidiidae

Burmoraphidia reni Liu, Lu & Zhang, 2016
Dolichoraphidia aspoeki Liu, Lu & Zhang, 2016
Dolichoraphidia engeli Liu, Lu & Zhang, 2016
Nanoraphidia electroburmica Engel, 2002
Rhynchoraphidia burmana Liu, Lu & Zhang, 2016

Strepsiptera (4f., 3g., 3sp.)

†Cretostylopidae

Cretostylops engeli Grimaldi & Kathirithamby, 2005

†Kinzelbachillidae

Kinzelbachilla ellenbergeri Pohl & Beutel, 2016

†Mengeidae?

†Phthanoxenidae

Phthanoxenos nervosus Engel & Huang, 2016

†Tarachoptera (1f., 2g., 4sp.)

†Tarachocelidae

Kinitocelis brevicostata Mey, Wichard, Müller & Wang, 2017
Kinitocelis divisonotata Mey, Wichard, Müller & Wang, 2017
Kinitocelis hennigi Mey, Wichard, Müller & Wang, 2017
Tarachocelis microlepidopterella Mey, Wichard, Müller & Wang, 2017

Trichoptera (6f., 7g., 12sp.)

†Dysoneuridae

Burmopsyche comosa Wichard, Neumann, Müller & Wang, 2017
Burmopsyche palpifurcata Wichard, Neumann, Müller & Wang, 2017
Cretapsyche circula Wichard, Neumann, Müller & Wang, 2017
Cretapsyche elegans Wichard, Neumann, Müller & Wang, 2017
Cretapsyche insueta Wichard, Neumann, Müller & Wang, 2017

Hydroptilidae

Burminoptila bemeneha Botosaneanu, 1981

Odontoceridae

Palaeopsilotreta xiai Wichard & Wang, 2016
Philopotamidae
Wormaldia cretacea Wichard & Wang, 2016
Wormaldia myanmari Wichard & Poinar, 2005
Wormaldia resina Wichard & Wang, 2016
Polycentropodidae
Neureclipsis burmanica Wichard & Wang, 2016
Psychomyiidae
Palerasnitsynus ohlhoffi Wichard, Ross & Ross, 2011

Order *incertae sedis* (4f., 4g., 4sp.)

†Chresmodidae
Chresmoda chikuni Zhang & Ge, 2017
†Lophioneuridae
Burmacypha longicornis Zherikhin, 2000
†Manipulatoridae
Manipulator modificaputis Vršanský & Bechly, 2015
†Mantoblattidae
Mantoblatta mira Gorochoy, 2006

Copal Insecta (1o., 1f., 1g., 2sp.)

Hymenoptera (1f., 1g., 2sp.)

Apidae
Trigona devicta (Cockerell, 1921)
Trigona iridipennis (Smith, 1854)

CHELICERATA (1c, 12o., 98f., 130g., 226sp.)

Arachnida (12o., 98f., 130g., 226sp.)

Acariformes (20f., 6g., 6sp.)

Anystidae
Archaeorchestidae
Bdellidae
Caeculidae
Cheyletidae
Cheyletus burmiticus Cockerell, 1917
Enantioppiidae?
Eremaeidae
Erythraeidae
Burerythrites pankowskii Konikiewicz & Mąkol, 2018
Burphanolophus joergwunderlichi Konikiewicz & Mąkol, 2018
Eupodidae

Gymnodameidae
Malaconothridae?
Microtrombidiidae
Neoliodidae
Oribatellidae
Oribotritiidae?
Resinacaridae

Protoresinacarus brevipedis Khaustov & Poinar, 2010

Smarididae

Burfessonia maryae Konikiewicz & Mąkol, 2018

Trombellidae

Nothrotrombidium myanmarum Konikiewicz & Mąkol, 2018

Trombidiidae

Tuckerellidae

Amblypygi (1g., 3sp.)

Family *incertae sedis*

Kronocharon engeli Wunderlich, 2015

Kronocharon longicalcaris Wunderlich, 2015

Kronocharon prendinii Engel & Grimaldi, 2014

Araneae (44f., 91g., 167sp.)

Archaeidae

Afrarchaea sp.

Burmesarchaea alissa Wunderlich, 2017

Burmesarchaea caudata Wunderlich, 2017

Burmesarchaea crassicaput Wunderlich, 2017

Burmesarchaea crassichelae Wunderlich, 2017

Burmesarchaea gibber Wunderlich, 2017

Burmesarchaea gibberoides Wunderlich, 2017

Burmesarchaea gibbosa Wunderlich, 2017

Burmesarchaea grimaldii (Penney, 2003)

Burmesarchaea longicollum Wunderlich, 2017

Burmesarchaea propinqua Wunderlich, 2017

Burmesarchaea pseudogibber Wunderlich, 2017

Burmesarchaea pustulata Wunderlich, 2017

Burmesarchaea quadrata Wunderlich, 2017

Burmesarchaea speciosa (Wunderlich, 2008)

Eomysmauchenius dubius Wunderlich, 2017

Eomysmauchenius septentrionalis Wunderlich, 2008

?*Eomysmauchenius longissipes* (Wunderlich, 2015)

Planarchaea kopp Wunderlich, 2015

Planarchaea oblonga Wunderlich, 2017

Planarchaea ovata Wunderlich, 2017

?*Planarchaea paucidentata* (Wunderlich, 2008)

Planarchaea pilosa (Wunderlich, 2015)

†Burmadictynidae

- Burmadictyna clava* Wunderlich, 2015
- Burmadictyna excavata* Wunderlich, 2015
- Burmadictyna pectin* Wunderlich, 2008
- Burmadictyna postcopula* Wunderlich, 2017
- Eodeinopsis longipes* Wunderlich, 2017

†Burmascutidae

- Burmascutum aenigma* Wunderlich, 2008

†Burmathelidae

- Burmathele biseriata* Wunderlich, 2017

Clubionidae

Corinnidae (=Myrmeciidae)?

†Cretaceothelidae

- Cretaceothele lata* Wunderlich, 2015

Deinopidae?

- Deinopedes tranquillus* Wunderlich, 2017

Dipluridae

- Cethegoides patricki* Wunderlich, 2017
- Phyxioschemoides collembola* Wunderlich, 2015

†Eopsilodercidae

- Eopsilodermes filiformis* (Wunderlich, 2012)
- Eopsilodermes loxosceloides* Wunderlich, 2008
- Eopsilodermes serenitas* Wunderlich, 2015
- Loxodermes curvatus* Wunderlich, 2017
- Loxodermes longicymbium* Wunderlich, 2017
- Loxodermes rectus* Wunderlich, 2017
- Praepholcus huberi* Wunderlich, 2017

†Fossilcalcaridae

- Fossilcalcar praeteritus* Wunderlich, 2015

Hersiliidae (=Hersilidae)

- Burmesiola cretacea* Wunderlich, 2011
- Burmesiola daviesi* Wunderlich, 2015
- Spinasilia dissoluta* Wunderlich, 2015

Hexathelidae

- Alioatrax incertus* Wunderlich, 2017

†Lagonomegopidae

- Albiburmops annulipes* Wunderlich, 2017
- Archaelagonops propinquus* Wunderlich, 2015
- Archaelagonops salticoides* Wunderlich, 2012
- Archaelagonops scorsum* Wunderlich, 2015
- Burlagonomegops eskovi* Penney, 2005
- Cymbiolaganops cymbiocalcar* Wunderlich, 2015
- Lagonoburmops plumosus* Wunderlich, 2012
- ?*Lagonomegops tuber* Wunderlich, 2015
- Lineaburmops beigeli* Wunderlich, 2015
- Lineaburmops hirsutipes* Wunderlich, 2015

- Lineaburmops maculatus* Wunderlich, 2017
Myanlagonops gracilipes Wunderlich, 2012
 ?*Parviburmops bigibber* Wunderlich, 2017
Parviburmops brevipalpus Wunderlich, 2015
 ?*Paxillomegops brevipes* Wunderlich, 2015
 ?*Paxillomegops cornutus* Wunderlich, 2017
Paxillomegops longipes Wunderlich, 2015
Picturmegops signatus Wunderlich, 2015
Planimegops parvus Wunderlich, 2017
- Leptonetidae
- Palaeoleptoneta calcar* Wunderlich, 2012
Palaeoleptoneta crus Wunderlich, 2017
- Liphistidae
- †Micropalpimanidae
- Micropalpimanus poinari* Wunderlich, 2008
- †Mongolarachnidae
- Longissipalpus cochlea* Wunderlich, 2017
Longissipalpus magnus Wunderlich, 2015
Longissipalpus maior Wunderlich, 2015
Longissipalpus minor Wunderlich, 2015
Pedipalparaneus seldeni Wunderlich, 2015
- Mysmenidae?
- Ochyroceratidae
- Oecobiidae
- Retroecobius chomskyi* Wunderlich, 2015
'Retroecobius' convexus Wunderlich, 2015
Zamilia aculeopectens Wunderlich, 2015
Zamilia antecessor Wunderlich, 2008
Zamilia quattuormammillae Wunderlich, 2015
- Oonopidae
- Burmorchestina* (=Burmorchestina) *acuminata* Wunderlich, 2017
Burmorchestina biangulata Wunderlich, 2017
Burmorchestina plana Wunderlich, 2017
Burmorchestina pulcher Wunderlich, 2008
Burmorchestina pulcheroides Wunderlich, 2017
Burmorchestina tuberosa Wunderlich, 2017
- Oxyopidae
- Palpimanidae
- †Parvithelidae
- Parvithete muelleri* Wunderlich, 2017
Parvithete spinipes Wunderlich, 2017
Pulvillothete haupti Wunderlich, 2017
- Pholcidae
- †Pholcochyroceridae
- Automiana hirsutipes* Wunderlich, 2015
Pholcochyrocer altipecten Wunderlich, 2017

- ?Pholcochyrocer baculum* Wunderlich, 2012
Pholcochyrocer guttulaeque Wunderlich, 2008
Pholcochyrocer pecten Wunderlich, 2012
Spinicreber antiquus Wunderlich, 2015
Spinipalpus vetus Wunderlich, 2015
- †Plumorsolidae
- Burmorsolus nonplumosus* Wunderlich, 2015
Pseudorsolus crassus (Wunderlich, 2015)
- †Praearaneidae
- Praearaneus bruckschi* Wunderlich, 2017
- †Praeterleptonetidae
- Biapophyses beate* Wunderlich, 2015
Crassitibia longispina Wunderlich, 2015
Crassitibia tenuimana Wunderlich, 2015
Curvitibia curima Wunderlich, 2015
Groehnianus burmensis Wunderlich, 2015
Hypotheridiosoma falcata Wunderlich, 2015
Hypotheridiosoma paracymbium Wunderlich, 2012
Palaeohydropoda myanmarensis Penney, 2004
Parvispina tibialis (Wunderlich, 2011)
Praeterleptoneta spinipes Wunderlich, 2008
Spinipalpitibia maior Wunderlich, 2015
- Psechridae
- Psilodercidae
- Aculeatosoma pyritmutatio* Wunderlich, 2017
Leclercera ellenbergeri Wunderlich, 2015
Leclercera longissipes Wunderlich, 2012
Leclercera sexaculeata Wunderlich, 2015
Leclercera spicula Wunderlich, 2012
Priscaleclercera brevispinae Wunderlich, 2017
Priscaleclercera paucispinae Wunderlich, 2017
Proterpsilodermes longisetae Wunderlich, 2015
- Salticidae
- Segestriidae
- Denticulsegestia rugosa* Wunderlich, 2015
Myansegestia caederens Wunderlich, 2015
Myansegestia engin Wunderlich, 2015
Parvosegestria longitibialis Wunderlich, 2015
Parvosegestria obscura Wunderlich, 2015
Parvosegestria pintgu Wunderlich, 2015
Parvosegestria triplex Wunderlich, 2015
- Sparassidae (=Eusparassidae)?
- †Spatiatoridae
- Spatiator putescens* Wunderlich, 2015
- Telemidae
- ?Telemofila crassifemoralis* Wunderlich, 2017

Tetrablemmidae (=Terablemmidae)

Bicornoculus levis Wunderlich, 2015
Brignoliblemma bizarre Wunderlich, 2017
Brignoliblemma nala Wunderlich, 2017
Brignoliblemma paranala Wunderlich, 2017
Cymbioblemma corniger Wunderlich, 2017
Electroblemma bifida Selden, Zhang & Ren, 2016
?Eogamasomorpha clara Wunderlich, 2015
Eogamasomorpha hamata Wunderlich, 2017
Eogamasomorpha nubila Wunderlich, 2008
Eogamasomorpha ohlhoffi (Wunderlich, 2011)
?Eogamasomorpha unicornis Wunderlich, 2017
Furcembolus andersoni Wunderlich, 2008
Furcembolus armatura (Wunderlich, 2015)
Furcembolus biacuta (Wunderlich, 2015)
Furcembolus crassitibia Wunderlich, 2017
Furcembolus dissolata (Wunderlich, 2015)
Furcembolus equester (Wunderlich, 2015)
Furcembolus grossa Wunderlich, 2017
Furcembolus longior Wunderlich, 2017
Furcembolus tuberosa (Wunderlich, 2015)
Longissithorax myanmarensis Wunderlich, 2017
Longithorax furca Wunderlich, 2017
Palpalpaculla pulcher Wunderlich, 2017
Saetosoma filiembolus Wunderlich, 2012
Uniscutosoma aberrans Wunderlich, 2015

Tetragnathidae?

Theridiosomatidae

Leviunguis bruckschi Wunderlich, 2012

Theridiidae?

Cretotheridion inopinatum Wunderlich, 2015

Thomisidae

Amyciaea sp.

Uloboridae

Bicalamistrum mixtum Wunderlich, 2015
Burmuloborus antefixus Wunderlich, 2015
Burmuloborus parvus Wunderlich, 2008
?Burmuloborus prolongatus Wunderlich, 2015
Furculoborus patellaris Wunderlich, 2017
Kachin fruticosoides Wunderlich, 2017
Kachin fruticosus Wunderlich, 2017
Microuloborus birmanicus Wunderlich, 2015
Octonoba sp.
Ocululoborus curvatus Wunderlich, 2012
Palaeomiagrammopes vesica Wunderlich, 2008
Paramiagrammopes cretaceus Wunderlich, 2008

Paramiagrammopes longiclypeus Wunderlich, 2015
Paramiagrammopes patellidens Wunderlich, 2015
Propterkachin magnoculus Wunderlich, 2017

†Vetiaroridae

Pekkachilus vesica Wunderlich, 2017
Vetiator gracilipes Wunderlich, 2015

Opiliones (5f., 4g., 5sp.)

Epedanidae

Petrobunoides sharmai Selden, Dunlop, Giribet, Zhang & Ren, 2016

†Halithersidae

Halitherses grimaldii Giribet & Dunlop, 2005

†Monooculricinuleidae

Monooculricinuleus incisus Wunderlich, 2017
Monooculricinuleus semiglobosus Wunderlich, 2017

Sclerosomatidae

Stylocellidae

Palaeosiro burmanicum Poinar, 2008

Palpigradi (1f., 1g., 1sp.)

Eukoeneriidae

Electrokoeneria yaksha Engel & Huang, 2016

Parasitiformes (5f., 6g., 6sp.)

Argasidae

†Deinocrotonidae

Deinocroton draculi Peñalver, Arillo, Anderson & Fuente, 2017

Ixodidae

Amblyomma birmittum Chitimia-Dobler, Araujo, Ruthensteiner, Pfeffer & Dunlop, 2017
Compluriscutula vetulum Poinar & Buckley, 2008
Cornupalpatum burmanicum Poinar & Brown, 2003
Haemaphysalis cretacea Chitimia-Dobler, Pfeffer & Dunlop, 2018

Opilioacaridae

?*Opilioacarus groehni* Dunlop & Bernardi, 2014

Polyaspididae

Pseudoscorpiones (12f., 4g., 4sp.)

Atemnidae

Cheiridiidae

Electrobisium acutum Cockerell, 1917

Cheliferidae

Chernetidae

Chthoniidae

Weygoldtiella plausus Harvey, Cosgrove, Harms, Selden, Shih & Wang, 2018

Feaellidae

Protofeaella peetersae Henderickx, 2016

Garypinidae

Amblyolpium burmiticum (Cockerell, 1920)

Hyidae

Ideoroncidae?

Neobisiidae

Pseudocheiridiidae

Withiidae

Ricinulei (3f., 3g., 5sp.)

†Hirsutisomidae

Hirsutisoma acutiformis Wunderlich, 2017

Hirsutisoma bruckschi Wunderlich, 2017

Hirsutisoma dentata Wunderlich, 2017

†Poliocheridae

?*Poliochera cretacea* Wunderlich, 2012

†Primoricinuleidae

Primoricinuleus pugio Wunderlich, 2015

Schizomida

Scorpiones (7f., 10g., 25sp.)

Buthidae

Archaeoananteroides maderai Lourenço, 2016

Chaerilidae

Electrochaerilus buckleyi Santiago-Blay, Fet, Solegrad & Anderson, 2004

†Chaerilobuthidae

Chaerilobuthus birmanicus Lourenço, 2015

Chaerilobuthus bruckschi Lourenço, 2015

Chaerilobuthus complexus Lourenço & Beigel, 2011

Chaerilobuthus enigmaticus Lourenço, 2015

Chaerilobuthus gigantosternum Lourenço, 2016

Chaerilobuthus longiaculeus Lourenço, 2013

Chaerilobuthus schwarzi Lourenço, 2015

Chaerilobuthus serratus Lourenço, 2016

†Palaeoburmesebuthidae

Betaburmesebuthus bellus Lourenço, 2016

Betaburmesebuthus bidentatus Lourenço, 2015

Betaburmesebuthus fleissneri Lourenço, 2016

Betaburmesebuthus joergi Lourenço, 2017

Betaburmesebuthus kobberti Lourenço, 2015

Betaburmesebuthus larafleissnerae Lourenço, 2016

Betaburmesebuthus muelleri Lourenço, 2015

Palaeoburmesebuthus grimaldii Lourenço, 2002

Palaeoburmesebuthus longipalpis Lourenço, 2017

Palaeoburmesebuthus ohlhoffi Lourenço, 2015

Spinoburmesebuthus pohli Lourenço, 2017

†Palaeoscorpidae

Archaeoscorplops cretaticus Lourenço, 2015

Burmesescorplops groehni Lourenço, 2016

†Palaeotrilineatidae

Palaeotrilineatus ellenbergeri Lourenço, 2012

†Sucinolourencoidae

Sucinlourencous adrianae Rossi, 2015

Solfugae (1g., 1sp.)

Family *incertae sedis*

Cushingia ellenbergeri Dunlop, Bird, Brookhart & Bechly, 2015

Thelyphonida (1f., 2g., 2sp.)

Thelyphonidae

Mesothelyphonus parvus Cai & Huang, 2016

Family *incertae sedis*

Burmathelyphonia prima Wunderlich, 2015

Order *incertae sedis* (1g., 1sp.)

Family *incertae sedis*

Chimerarachne yingi Wang, Dunlop, Selden, Garwood, Shear, Müller & Lei, 2018

MYRIAPODA (3c., 15o., 18f., 13g., 5sp.)

Chilopoda (4o., 3f., 1g., 1sp.)

Geophilomorpha (1f., 1g., 1sp.)

Geophilidae

Kachinophilus pereirai Bonato, Edgecombe & Minelli, 2014

Lithobiomorpha

Scolopendromorpha (2f.)

Cryptopidae

Scolopendridae

Scutigromorpha

Diplopoda (10o., 14f., 11g., 3sp.)

Chordeumatida (2f., 1g.)

Anthroleucosomatidae

Tingupidae

Tingupa sp.

Glomerida ~~Oniseomorpha~~ (1f., 1g.)

Glomeridellidae

Glomeridella sp.

Platydesmida (1f., 1g.)

Andrognathidae

Brachycybe sp.

Polydesmida (2f., 1g.)

Paradoxosomatidae

Polydesmidae

Scytonotus sp.

Polyxenida (2f., 3g., 1sp.)

Polyxenidae

Polyxenus sp.

Propolyxenus sp.

Unixenus sp.

Synxenidae

Phryssonotus burmiticus (Cockerell, 1917)

Polyzoniida (1f., 1g.)

Polyzoniidae

Bdellozonium sp.

Siphoniulida (1f., 1g., 2sp.)

Siphoniulidae

Siphoniulus muelleri Liu, Rühr & Wesener, 2017

Siphoniulus preciosus Liu, Rühr & Wesener, 2017

Siphonophorida (2f.)

Siphonophoridae

Siphonorhinidae

Sphaerotheriida (1f.)

Zephroniidae

Spirostreptida (1f., 1g.)

Cambalidae

Cambala sp.

Symphyla (1o., 1f., 1g., 1sp.)

Symphylida (1f., 1g., 1sp.)

Scolopendrellidae

Symphylella patrickmuelleri Moritz & Wesener, 2017

CRUSTACEA (2c., 3o., 2f., 1g., 1sp.)

Malacostraca (2o., 2f., 1g., 1sp.)

Decapoda

Isopoda (2f., 1g., 1sp.)

Styloniscidae?

Myanmariscus deboiseae Broly, Maillet & Ross, 2015

Tylidae

Ostracoda (1o.)

Myodocopida

ONYCHOPHORA (1c., 1o., 1f., 1g., 1sp.)

Udeonychophora (1o., 1f., 1g., 1sp.)

Euonychophora (1f., 1g., 1sp.)

Peripatidae

Cretoperipatus burmiticus Grimaldi & Engel, 2002

MOLLUSCA (2c., 2o., 4f., 1g., 1sp.)

Bivalvia (1o., 1f., 1g., 1sp.)

Myoida (1f., 1g., 1sp.)

Pholadidae (crypts)

Teredolites clavatus Leymerie, 1842 (= *Palaeoclavaria burmitis* Poinar & Brown, 2003)

Gastropoda (1o., 3f.)

Panpulmonata (3f.)

Punctidae

Subulinidae

Valloniidae

ANNELIDA (1c, 1o)

Clitellata (1o)

Haplotaxida

NEMATODA (3c., 4o., 5f., 6g., 8sp.)

Chromadorea (1o., 2f., 3g., 3sp.)

Rhabditida (2f., 3g., 3sp.)

Cosmocercidae

Palaeocosmocerca burmanica Poinar, 2011

Heterorhabditidae Poinar, 1975

Proheterorhabditis burmanicus Poinar 2011

Family *incertae sedis*

Cretodiplogaster termitophilous Poinar, 2011

Enoplea (1o., 1f., 1g., 3sp.)

Mermithida (1f., 1g., 3sp.)

Mermithidae

Cretacimermis aphidophilus Poinar, 2017

Cretacimermis chironomae Poinar, 2011

Cretacimermis protus Poinar & Buckley, 2006

Secernentea (2o., 2f., 2g., 2sp.)

Oxyurida (1f., 1g., 1sp.)

Thelastomatidae

Paleothelastoma tipulae Poinar, 2011

Aphelenchida (1f., 1g., 1sp.)

Aphelenchoididae

Cretaciaphelenchoides burmensis Poinar, 2011

NEMATOMORPHA (1c., 1o., 1f., 1g., 1sp.)

Gordioidea (1f., 1g., 1sp.)

Chordodidae

Cretachordodes burmitis Poinar & Buckley, 2006

PLATYHELMINTHES (1c.)

Trematoda

VERTEBRATA (2c., 3o., 3f., 1g., 1sp.)

Amphibia (1o.)

Anura

Reptilia (2o., 3f., 1g., 1sp.)

Squamata (3f., 1g., 1sp.)

Agamidae

Chamaeleonidae

Gekkonidae?

Cretaceogekko burmae Arnold & Poinar, 2008

Theropoda (incl. Aves, Enantiornithes)

PROTISTA (10c., 10o., 12f., 20g., 21sp.)

Aconoidasida (1o., 1f., 1g., 1sp.)

Haemosporida (1f., 1g., 1sp.)

Plasmodiidae (=Plasmodidae)

Paleohaemoproteus burmacis Poinar & Telford, 2005

Alphaproteobacteria (1o., 1f., 1g., 1sp.)

Rickettsiales (1f., 1g., 1sp.)

Rickettsiaceae

Palaeorickettsia protera Poinar, 2014

Amoebozoa

Anaeromonadea (1o., 2f., 6g., 7sp.)

Oxymonadida (2f., 6g., 7sp.)

Oxymonadidae

Microrhopalodites polynucleatis Poinar, 2009
Oxymonas gigantea Poinar, 2009
Oxymonas protus Poinar, 2009
Oxymonites gerus Poinar, 2009
Sauromonites katatonis Poinar, 2009
Pyrsonymphidae
Dinenymphites spiris Poinar, 2009
Pyrsonymphites cordylinis Poinar, 2009

Conoidasida (1o., 1f., 1g., 1sp.)

Eugregarinorida (1f., 1g., 1sp.)
Monoductidae
Primigregarina burmanica Poinar, 2010

Kinetoplastida (1o., 1f., 2g., 2sp.)

Trypanosomatida (1f., 2g., 2sp.)
Trypanosomatidae
Paleoleishmania proterus Poinar & Poinar 2004
Paleotrypanosoma burmanicus Poinar, 2008

'Sarcodina' (1g., 1sp.)

Family *incertae sedis*
Endamoebites proterus Poinar, 2009

Mesomycetozoea (1o., 1f., 1g., 1sp.)

Eccrinales (1f., 1g., 1sp.)
Eccrinaceae
Paleocadus burmiticus Poinar, 2016

Trichomonadea (3o., 2f., 4g., 4sp.)

Cristamonadida (1f., 2g., 2sp.)
Devescovichidae
Devescovites proteus Poinar, 2009
Foainites icelus Poinar, 2009

Spirotrichonymphida (1f., 1g., 1sp.)
Holomastigotidae

Spiromastigites acanthodes Poinar, 2009

Trichomonadida (1g., 1sp.)

Family *incertae sedis*

Paleotrichomones burmanicus Poinar, 2009

Trichonymphea (1o., 3f., 3g., 3sp.)

Trichonymphida (3f., 3g., 3sp.)

†Burmanymphidae

Burmanymphus cretacea Poinar, 2009

Teranymphidae

Teranymphites rhabdotis Poinar, 2009

Trichonymphidae

Trichonymphites henis Poinar, 2009

PLANTAE (6c., 10o., 13f., 20g., 27sp.)

Angiospermae (4o., 4f., 9g., 11sp.)

Cornales (1f., 1g., 1sp.)

Cornaceae

Eoëpigynia burmensis Poinar, Chamber & Buckley, 2007

Oxalidales (1f., 1g., 2sp.)

Cunoniaceae

Tropidogyne pentaptera Poinar & Chambers, 2017

Tropidogyne pikei Chambers, Poinar & Buckley, 2010

Laurales (2f., 3g., 3sp.)

Lauraceae

Cascolaurus burmitis Poinar, 2016

Monimiaceae?

Palaeoanthella huangii Poinar & Chambers, 2005

Family *incertae sedis*

Jamesrosea burmensis Crepet, Nixon, Grimaldi & Riccio, 2016

Poales (1g., 2sp.)

Family *incertae sedis*

Programinis burmitis Poinar, 2004

Programinis laminatus Poinar, 2004

Order *incertae sedis* (3g., 3sp.)

Family *incertae sedis*

Antiquifloris latifibris Poinar, Buckley & Chen, 2016
Lachnoclona terriae Poinar, Chambers & Buckley, 2008
Micropetasos burmensis Poinar, Chambers & Wunderlich, 2013

Bryopsida (2o., 2g., 5sp.)

Dicranales (s.l.) (1g., 1sp.)

Family *incertae sedis*

Calymperites burmensis Heinrichs, Schäf.-Verw., Hedenäs, Ignatov & A.R. Schmidt, 2014.

Hypnodendrales (1g., 4sp.)

Family *incertae sedis*

Vetiplanaxis espinosus Hedenäs, Heinrichs & A.R. Schmidt, 2014

Vetiplanaxis longiacuminatus Hedenäs, Heinrichs & A.R. Schmidt, 2014

Vetiplanaxis oblongus Hedenäs, Heinrichs & A.R. Schmidt, 2014

Vetiplanaxis pyrrhobryoides N.E. Bell, 2007

Jungermanniopsida (1o., 3f., 4g., 6sp.)

Porellales (3f., 4g., 6sp.)

Frullaniaceae

Frullania baerlocheri Heinrichs, M.E. Reiner, Feldberg, von Konrat, Hentschel, Vána & A.R. Schmidt, 2011

Frullania cretacea Hentschel, A.R. Schmidt & Heinrichs, 2009

Frullania pinnata Heinrichs, Feldberg, Schäf.-Verw. & Krings, 2017

Protofrullania cornigera Heinrichs, 2017

Lepidolaeanaceae

Gackstroemia cretacea Heinrichs, Schäf.-Verw., Feldberg, & A.R. Schmidt, 2014

Radulaceae

Radula cretacea Bechteler, M.A.M. Renner, Schäf.-Verw. & Heinrichs, 2017

Marchantiopsida (1o., 1f.)

Marchantiales (1f.)

Marchantiaceae?

Pinopsida (1o., 2f., 1g.)

Pinales (2f., 1g.)

Araucariaceae

Cupressaceae

Metasequoia sp.

Pteridopsida (1o., 3f., 4g., 4sp.)

Polypodiales (3f., 4g., 4sp.)

Cystodiaceae

Cystodium sorbifolioides L.Regalado, A.R.Schmidt, H.Schneid., M.Krings & Heinrichs, 2017

Denntstaedtiaceae

Krameropteris resinatus H. Schneid., A.R. Schmidt & Heinrichs, 2016

Lindsaeaceae

Family *incertae sedis*

Cretacifilix fungiformis Poinar & Buckley, 2008

Holttumopteris burmensis L.Regalado, H.Schneid., M. Krings & Heinrichs, 2017

FUNGI (2c., 3o., 4f., 7g., 7sp.)

Agaricomycetes (2o., 1f., 2g., 2sp.)

Agaricales (1g., 1sp.)

Family *incertae sedis*

Palaeoagaracites antiquus Poinar & Buckley, 2007

Boletales (1f., 1g., 1sp.)

Sclerodermataceae

Palaeogaster micromorpha Poinar, Alfredo & Baseia, 2014

Sordariomycetes (1o., 2f., 4g., 4sp.)

Hypocreales (2f., 4g., 4sp.)

Clavicipitaceae

Palaeoclaviceps parasticus Poinar, Alderman & Wunderlich, 2015

Ophiocordycipitaceae

Palaeoophiocordyceps coccophagus Sung, Poinar & Spatafora, 2008

Family *incertae sedis*

Entropezites patricii Poinar & Buckley, 2007

Mycetophagites atrebora Poinar & Buckley, 2007

Class *incertae sedis* (1f., 1g., 1sp.)

Order *incertae sedis* (1f., 1g., 1sp.)

†Spheciophilaceae

Spheciophila adercia Poinar, 2016

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