

Burmese (Myanmar) amber taxa, on-line checklist v.2017.2

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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 2017. It does not contain unpublished records or records from papers in press (including on-line proofs) or unsubstantiated on-line records.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.2017.1) are marked in blue, corrections are marked in red.

The list comprises 32 classes (or similar rank), 90 orders (or similar rank), 393 families, 577 genera and 707 species. This includes 6 classes, 56 orders, 356 families, 523 genera and 647 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

~~Dilaridae~~

†Eadiidae

†Ectinothripidae (*nomen nudum*)

Eriocraniidae

Hilarimorphidae

Leptoceridae

Neanuridae
Piesmatidae
Pompilidae
Prosopistomatidae
Psyllipsocidae
†Raphidiomimidae
Rhinotermitidae
Termopsidae
Therevidae
Trigonalidae

Arachnida

†Archaeobuthidae
Deinopidae
Dictynidae
Erythraeidae
Linyphiidae
Ochyroceratidae
Olpiidae
Pisauridae
Sironidae

Plantae

Hypnodendraceae

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.

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). 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., 282f., 422g., 495sp.)

Entognatha (4o., 6f., 13g., 14sp.)

Diplura (1f.)

Campodeidae

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

Isotomidae

Burmisotoma lamellifera Christiansen & Nascimbene, 2006

Proisotoma petterssonae Christiansen & Nascimbene, 2006

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

Odontellidae ~~Neanuridae~~

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., 276f., 409g., 481sp., excluding copal)

Archaeognatha (2f., 1g.)

Machilidae

Meinertellidae

?*Macropsontus* sp.

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

Lepismatidae

Allacrotelsa burmiticus (Cockerell, 1917)

Burmalepisma cretacicum Mendes & Poinar, 2008

Cretalepisma kachinicum Mendes & Wunderlich, 2013

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

†Australiphemeridae

Nanophemera myanmarensis McCafferty & Santiago-Blay, 2009

Baetidae

Vetuformosa buckleyi Poinar, 2011

Family *incertae sedis*

Myanmarella rossi Sinitshenkova, 2000

Odonata (10f., 14g., 16sp.)

†Burmaphlebiidae

Burmaphlebia reifi Bechly & Poinar, 2013

Dysagrionidae

Burmadysagrion zhangii Zheng, Wang & Nel, 2016

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

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

†Mesomegaloprepidae

Mesomegaloprepus magnificus Huang, Azar, Cai, Maksoud, Nel, & Bechly, 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 burmatica Huang, Azar, Cai & Nel, 2015

Mesosticta electronica Zheng, Zhang, Chang & Wang, 2016

Telephlebiidae

Cretaeshna lini Zheng, Chang, Jarzembowski & Wang, 2016

Family *incertae sedis*

Burmagrion marijanmatoki Möstel, Schorr & Bechly, 2017

†Aethiocarenodea (1f., 1g., 1sp.)

†Aethiocarenidae

Aethiocarenus burmanicus Poinar & Brown, 2016

†Alienoptera (1f., 1g., 1sp.)

†Alienopteridae

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

Blattodea (incl. Isoptera) (9f., 11g., 12sp.)

†Archeorhinotermitidae

Archeorhinotermes rossi Krishna & Grimaldi, 2003

Blattidae

Balatronis cretacea Smídová & Lei, 2017

†Caloblattinidae

Raphidiomimula burmitica Grimaldi & Ross, 2004

Corydiidae (=Polyphagidae)

Ectobiidae (=Blattellidae)

Hodotermitidae?

Kalotermitidae

Kachinitermopsis ~~*Kalotermes*~~ *burmensis* (Poinar, 2009)

Proelectrotermes holmgreni Engel, Grimaldi & Krishna, 2007

Proelectrotermes swinhoei (Cockerell, 1916)

Termitidae?

†Umenocoleidae (=Ponopterixidae)

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., 2g., 3sp.)

†Archipseudophasmatidae

Pseudoperla leptoclada Chen, Zhang, Shih & Ren, 2017

Pseudoperla scapiforma Chen, Zhang, Shih & Ren, 2017

Phasmatidae

Echinosomiscus primoticus Engel & Wang, 2016

Plecoptera

Zoraptera (1f., 2g., 4sp.)

Zorotypidae

Zorotypus acanthothorax Engel & Grimaldi, 2002

Zorotypus cretatus Engel & Grimaldi, 2002

Zorotypus nascimbenei Engel & Grimaldi, 2002

Xenozorotypus burmiticus Engel & Grimaldi, 2002

Hemiptera (37f., 46g., 51sp.)

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

Burmitaphis prolatum Poinar & Brown, 2005

Caulinus burmitis Poinar & Brown, 2005

Cicadellidae

Cicadidae

Burmacicada protera Poinar & Kritsky, 2011

Cimicidae

Quasicimex eilapinastes Engel, 2008

Cixiidae

Plecophlebus nebulosus Cockerell, 1917

Coccidae

Rosahendersonia prisca Veá & Grimaldi, 2015

Coreidae

Cydnidae

Dipsocoridae

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

Hydrometridae

Burmametra macrocarinata Huang, Garrouste, Azar, Engel & Nel, 2014

Carinametra burmensis Andersen & Grimaldi 2001

†Isolitaphidae

- Isolitaphis prolatantennus* Poinar, 2017
- †Kozariidae
Kozarius achronus Vea & Grimaldi, 2015
Kozarius perpetuus Vea & Grimaldi, 2015
- Leptopodidae
Grimaldinia pronotalis Popov & Heiss, 2014
Leptosaldinea cobbeni Popov & Heiss, 2016
- Miridae
- Naucoridae
- Ochteridae
- Ortheziidae
Burmorthesia kotejai Vea & Grimaldi, 2012
Burmorthesia insolita Vea & 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
- †Protopsyllidiidae
Postopsyllidium rebecca Grimaldi, 2003
- Pseudococcidae
Gilderius eukrinops Vea & Grimaldi, 2015
- Reduviidae
- Schizopteridae
Hexaphlebia burmanica Poinar, 2015
Lumatibialis burmitis Poinar, 2015
Tanaia burmitica Perrichot, Nel, & Néraudeau, 2007
- †Tajmyraphididae
- Tingidae
Burmacader multivenosus Heiss & Guilbert, 2013
Spinitingis ellenbergeri Heiss & Guilbert, 2013
- †Weitschatidae
Pseudoweitschatus audebertis Vea & Grimaldi, 2015
- Xylococcidae?
- Family *incertae sedis*
Alacrena peculiaris Vea & Grimaldi, 2015
Magnilens glaesaria Vea & Grimaldi, 2015
Marmyan barbarae Koteja, 2004
Pedicellicoccus marginatus Vea & Grimaldi, 2015
~~*Xiphos vani* Vea & Grimaldi, 2015 [in Lebanese amber]~~
- †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, Bourgoïn & Nel, 2016.

Psocoptera (7f., 8g., 12sp.)

†Archaeatropidae

Archaeatropos perantiqua (Cockerell, 1919)

Compsocidae

Burmacompsocus banksi (Cockerell, 1916)

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

Trogiidae

Family *incertae sedis*

~~*'Psyllipsocus' banksi* Cockerell, 1916~~

Thysanoptera (2f.)

Aeolothripidae

Thripidae

Coleoptera (57f., 73g., 77sp.)

Aderidae

~~Anobiidae~~

~~*Mesernobius anawrahtai* Engel, 2010~~

Anthicidae

'Eurygenius' wickhami Cockerell, 1917

Buprestidae

Cantharidae

Archaeomalthodes rosetta Hsiao, Ślipiński & Pang, 2016

Myamalycocerus vitalii Fanti & Ellenberger, 2016

Ornatomalthinus elvirae Poinar & Fanti, 2016

Carabidae

Oodes kachinensis Liu 2014

Caridae

Cerambycidae
 Qitianniu zhihaoi Lin & Bai, 2017
 Chrysomelidae
 Ciidae (=Cisidae)
 Cleridae
 Cucujidae
 Cupedidae (=Ommatidae)
 ~~*Brochocoleus caseyi* Jarzembowski, Wang & Zheng, 2016~~
 Mallecupes qingqingae Jarzembowski, Wang & Zheng, 2016
 ‘*Notocupes*’ sp.
 ~~*Omma lii* Jarzembowski, Wang & Zheng, 2016~~
 ~~*Stegocoleus caii* Jarzembowski & Wang, 2016~~
 Curculionidae (=Platypodidae, Scolytidae)
 Anchineus dolichobothris Poinar & Brown, 2009
 Cryphalites rugosissimus Cockerell, 1917
 Microborus inertus Cognato & Grimaldi, 2009
 Palaeocryptorhynchus burmanus Poinar, 2009
 Dermestidae
 Attagenus burmiticus Cai, Háva & Huang, 2016
 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
 Elateridae
 ‘*Acmaeodera*’ *burmitina* Cockerell, 1917
 ‘*Elater*’ *burmitinus* Cockerell, 1917
 Endomychidae
 Eucinetidae
 Eucnemidae
 Geotrupidae
 Amberathyreus beuteli Bai & Zhang, 2016
 Histeridae
 Cretonthophilus tuberculatus Caterino, Wolf-Schwenninger & Bechly, 2015
 Pantostictus burmanicus Poinar & Brown, 2009
 Hybosoridae
 Hybosorus ocampoi Bai & Zhang, 2015
 Ithyceridae (=Eccoptarthridae)
 ~~*Anchineus dolichobothris* Poinar & Brown, 2009~~
 Habropezus plasiommus Poinar, Brown & Legalov, 2016
 Mekorhamphus gyalommus Poinar, Brown & Legalov, 2016
 Mesophyletis calhouni Poinar, 2006
 Jacobsoniidae
 Derolathrus abyssus Yamamoto & Parker, 2017
 Lampyridae
 Protoluciola albertalleni Kazantsev, 2015
 Latridiidae (=Lathridiidae)

Lepiceridae (=Haplochelidae)

Haplochelus georissoides Kirejtshuk & Poinar, 2006

Lepiceroides pretiosus Kirejtshuk & Poinar, 2013

Lymexylidae

Melandryidae

Meloidae

Microentomus epibatus Poinar, 2015

Melyridae

Monotomidae

Cretakarenni birmanicus Peris & Declòs, 2015

Mordellidae

Nemonychidae

Burmonyx zigrasi Davis & Engel, 2014

Nitidulidae

Oedemeridae

Ommatidae

Brochocoleus caseyi Jarzembowski, Wang & Zheng, 2016

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

Omma lii Jarzembowski, Wang & Zheng, 2016

Stegocoleus caii Jarzembowski & Wang, 2016

Passalidae

†Passalopalpidae

Passalopalpus cheni Boucher, Bai & Zhang, 2016

Prostomidae

Vetuprostomis consimilis Engel & Grimaldi, 2008

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)

Salpingidae

Scarabaeidae

Scirtidae (=Helodidae)

Mesernobius anawrahtai Engel, 2010

Scraptiidae

Silphidae

Nicrophorus sp.

Silvanidae

Pleuroceratos burmiticus Poinar & Kirejtshuk, 2008

Smicripidae

Smicrips cretacea Cai & Huang, 2016

Sphaeriusidae (=Microsporidae)

Burmasporum rossi Kirejtshuk, 2009

Staphylinidae (=Pselaphidae, Scydmaenidae)

- Boreotethys arctopteryx* Parker, 2016
Boreotethys grimaldii Parker, 2016
Cascomastigus monstrabilis Yin & Cai, 2017
Cenomaniola carinata Jałoszyński & Yamamoto, 2017
Cenomaniola macrophthalma Jałoszyński & Yamamoto, 2017
Clidicostigus arachnipes Jałoszyński, Brunke & Bai, 2017
Cretodeinopsis aenigmatica Cai & Huang, 2014
Cretoleptochromus archaicus Cai & Huang, 2016
Cretoleptochromus burmiticus Yin, Cai, Huang & Li, 2017
Cretotrichopsenius burmiticus Cai, Huang, Newton, Eldredge & Engel, 2017
Ektatotricha paradoxa Chatzimanolis, Engel & Newton, 2010
Electroatopos castaneus Chatzimanolis, Engel & Newton, 2010
Hapsomela burmitis Poinar & Brown, 2004
Kachinus antennatus Chatzimanolis, Engel & Newton, 2010
Megalopinus extinctus Yamamoto & Solodovnikov, 2016
Mesallotrochus longiantennatus Cai & Huang, 2014
Mesosymbion compactus Yamamoto, Maruyama & Parker, 2016
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
Scydmobisetia vetutissima Jałoszyński & Yamamoto, 2016
Vetuproteinus cretaceus Cai, Newton & Thayer, 2016

Tetratomidae

- Cretosynstrophus archaicus* Cai, Hsiao & Huang, 2016
Thescelostrophus cretaceus Yu, Hsiao, Ślipinski, Jin, Ren & Pang, 2016

Throscidae

Trogidae

Trogossitidae

Zopheridae (=Colydiidae)

Diptera (45f., 93g., 119sp.)

Acroceridae

- ~~*Burmaecyrtus rusmithi* Grimaldi & Hauser, 2011~~
Schlingeromyia minuta Grimaldi & Hauser, 2011

Anisopodidae

Apsilocephalidae

- Burmapsilocephala cockerelli* Gaimari & Mostovski, 2000
Burmapsilocephala evocoa Grimaldi, 2016

Kumaromyia burmitica Grimaldi & Hauser, 2011
 Apystomyiidae
 Hilarimorphites cummingi Grimaldi, 2016
 Hilarimorphites burmanica Grimaldi & Cumming, 2011
 Asilidae
 Burmapogon bruckschi Dikow & Grimaldi, 2014
 Atelestidae
 Meghyperus? sp.
 Blephariceridae
 Bombyliidae
 Endymiomia quadra Grimaldi, 2016
 Nealimya evenhuisi Grimaldi, 2016
 Pioneeria bombylia Grimaldi, 2016
 Procrocidium minutum Grimaldi, 2016
 †Cascopleciidae
 Cascoplecia insolitis Poinar, 2010
 Cecidomyiidae
 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)
 ~~*Atriculicoides swinhoei* (Cockerell, 1919)~~
 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 burmiticus* Szadziewski & Poinar, 2005~~
 Protoculicoides swinhoei (Cockerell, 1919)
 Chaoboridae
 Chaobormus brevisculus Lukasevitch, 2000
 ?*Chaobormus victimaartis* Lukasevitch, 2000
 †Chimeromyiidae
 Chimeromyia burmitica Grimaldi & Cumming, 2009
 Chironomidae
 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.
- Electrocyrtoma burmanicum* Cockerell, 1917

†Eremochaetidae

- Zhenia xiai* Zhang, Zhang, Feng, Zhang & Wang, 2015

†Eucaudomyiidae

- Eucaudomyia longicerci* Grimaldi, 2016

Hybotidae

- Alavesia* sp.

Keroplastidae

- 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 & Szewo, 2014
- Dicranoptycha fragmentata* Krzeminski, 2004
- Dicranoptycha plicativa* Gao, Shih & Ren, 2015
- Gonomyia* sp.
- Heliuss 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.

Platyezidae

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 burmatus 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 Lukashevich, 2004
Leptychoptera reburra Lukashevich, 2004

†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
Similinannotanyderus lii Dong, Shih & Ren, 2015
- †Tethepomyiidae
Tethepomyia coxa Grimaldi, 2016
Tethepomyia zigrasi Grimaldi & Arillo, 2011
- Tipulidae
- Valeseguyidae
Cretoseguya burmitica Amorim & Grimaldi, 2006
- Xylomyidae
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 (40f., 69g., 84sp.)
- Ampulicidae
Apodolichurus diaphanus Antropov, 2000
Apodolichurus sphaerocephalus Antropov, 2000
Cretampulex gracilis Antropov, 2000
Mendampulex monilicularis Antropov, 2000
- †Aptenoperissidae
Aptenoperissus burmanicus Rasnitsyn & Poinar, 2016
- Aulacidae
Archeofoenus tartaricus Engel, 2017
Electrofoenops diminuta Engel, 2017
Electrofoenus gracilipes Cockerell, 1917
Protofoenus swinhoei Cockerell, 1917
- Bethylidae
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
†Bryopompilidae
Bryopompilus interfector Engel & Grimaldi, 2006
Chalcididae
Crabronidae
Burmastatus triangularis Antropov, 2000
Cretospilomena familiaris Antropov, 2000
Prolemistus apiformis Antropov, 2000
Diapriidae
Dryinidae
Burmadryinus cenomanianus Olmi, Xu & Guglielmino, 2014
Burmanteon olmii Engel, 2003
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 janovitzi Barden & Grimaldi, 2016
Ceratomyrmex ellenbergeri Perrichot, Wang & Engel, 2016
Haidomyrmex cerberus Dlussky, 1996
Haidomyrmex scimitarus Barden & Grimaldi, 2012
Haidomyrmex zigrasi Barden & Grimaldi, 2012
Myanmyrma gracilis Engel & Grimaldi, 2005
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 subcuspis (Barden & Grimaldi, 2014)

Gerontoformica tendir (Barden & Grimaldi, 2014)
Zigrasimecia ferox Perrichot, 2014
Zigrasimecia tonsora Barden & Grimaldi, 2013
†Gallorommatidae
Galloromma kachinensis Engel & Grimaldi, 2007
Gasteruptiidae (=Aulacidae)
Electrofoenus gracilipes Cockerell, 1917
Hypselogastrion simplex Engel & Wang, 2016
Hyptiogastrites electrinus Cockerell, 1917
Protofoenus swinhoei Cockerell, 1917
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
Mymaridae
Myanmymar aresconoides Huber, 2011
Mymarommatidae
Archaeromma gibsoni Engel & Grimaldi, 2007
†Othniodellithidae
Othniodellitha mantichora Engel & Huang, 2016
Xenodellitha preta Engel, 2017
Peleciniidae
Abropelecinus tythrus Guo, Shih & Ren, 2016
Brachypelecinus euthyntus Guo, Shih & Ren, 2016
Zoropelecinus periosus Guo, Shih & Ren, 2016
Zoropelecinus zigrasi Engel & Grimaldi, 2013
Platygastridae
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
Geoscelio mckellari Engel & Huang, 2016
Scolebythidae
Cursoribythus silvestris Cockx & McKellar, 2016
Siccibythus musculosus Cockx & McKellar, 2016
†Serphitidae

- Serphites* sp.
 Sierolomorphidae
 †Spathiopterygidae
 Diaspathion ortegai Engel & Huang, 2015
 Sphecidae
 Stephanidae
 Kronostephanus zigrasi Engel & Grimaldi, 2013
 Lagenostephanus lii Li, Rasnitsyn, Shih & Ren, 2017
 Phoriestephanus exilis Engel & Huang, 2016
 †Stigmaphronidae
 Burmaphron tridentatum Engel & Grimaldi, 2009
 Burmaphron prolatum Engel & Grimaldi, 2009
 †Syspastroxyelidae
 Syspastroxyela raphidia Engel & Huang, 2016
 Tiphidae
 Thanatotiphia nyx Engel, Ortega-Blanco & Bennett, 2009
 Vespidae
 Curiosivespa striata Perrard & Carpenter, 2017
 Curiosivespa zigrasi Perrard & Carpenter, 2017
 Protovespa haxairei Perrard & Carpenter, 2017
 Family *incertae sedis*
 CirrospheX admirabilis Antropov, 2000
 Trigampulex pervetus (Cockerell, 1917)
- Lepidoptera (3f., 1g., 1sp.)
 Gelechiidae
 Gracillariidae
 Micropterigidae (=Micropterygidae)
 Sabatinca perveta (Cockerell, 1919)
- Mecoptera (3f., 3g., 5sp.)
 Bittacidae
 Burmobittacus jarzembowskii Zhao, Bashkuev, Chen & Wang, 2016
 Meropeidae
 Burmomerope clara Zhao & Wang, 2016
 Burmomerope eureka Grimaldi & Engel, 2013
 †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., 37g., 41sp.)
 Ascalaphidae

†Babinskaiidae

- Babinskaia martinsnetoi* Lu, Zhang & Liu, 2016
Burmobabinskaia tenuis Lu, Zhang & Liu, 2016
Electrobabinskaia burmana 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

Coniopterygidae

- Achlyoconis heptatrichia* Engel, 2016
Glaesoconis baliapteryx 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
Cretanallachus magnificus Huang, Azar, Cai, Garrouste & Nel, 2015
Dilar cretaceus Liu & Zhang, 2017
Fiaponeura penghiani Lu, Zhang & Liu, 2016
Burmopsychops groehni Makarkin, 2016
Burmopsychops limoae Lu, Zhang & Liu, 2016

†Dipteromantispidae

- Burmodipteromantispia jiaxiaoe* Liu, Lu & Zhang, 2016
Halteriomantispia grimaldii Liu, Lu & Zhang, 2016
Mantispidipterella longissima Liu, Lu & Zhang, 2016

Hemerobiidae

Ithonidae

Kalligrammatidae

Mantispidae?

- Doratomantispia 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

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

Family *incertae sedis*

Burmopsychops limoae Lu, Zhang & Liu, 2016

Cretanallachius magnificus Huang, Azar, Cai, Garrouste & Nel, 2015

Fiaponeura penghiani Lu, Zhang & Liu, 2016

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 (5f., 5g., 7sp.)

Hydroptilidae

Burminoptila bemeneha Botosaneanu, 1981

Leptoceridae

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 Gorochov, 2006

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

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

Apidae

Trigona devicta (Cockerell, 1921)

Trigona iridipennis (Smith, 1854)

CHELICERATA (1c, 13o., 68f., 97g., 147sp.)

Arachnida (13o., 68f., 97g., 147sp.)

[Wunderlich (2017) not yet included]

Amblypygi (1g., 3sp.)

Family *incertae sedis*

Kronocharon engeli Wunderlich, 2015

Kronocharon longicalcaris Wunderlich, 2015

Kronocharon prendinii Engel & Grimaldi, 2014

Araneae (31f., 69g., 105sp.)

Archaeidae

Burmesarchaea grimaldii (Penney, 2003)

- Eomysmauchenius septentrionalis* Wunderlich, 2008
Filiauchenius paucidentatus Wunderlich, 2008
Lacunauchenius speciosus Wunderlich, 2008
Lacunauchenius longissipes Wunderlich, 2015
Lacunauchenius pilosus Wunderlich, 2015
Planarchaea kopp Wunderlich, 2015
- †Burmascutidae
Burmascutum aenigma Wunderlich, 2008
- Corinnidae (=Myrmeciidae)?
- Dipluridae
Phyxioschemoides collembola Wunderlich, 2015
- †Eopsilodercidae
Eopsilodermes loxosceloides Wunderlich, 2008
Eopsilodermes serenitas Wunderlich, 2015
- †Fossilcalcaridae
Fossilcalcar praeteritus Wunderlich, 2015
- Hersilidae
Burmesiola cretacea Wunderlich, 2011
Burmesiola daviesi Wunderlich, 2015
Spinasilia dissoluta Wunderlich, 2015
- †Lagonomegopidae
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
Myanlagonops gracilipes Wunderlich, 2012
Parviburmops brevialpus Wunderlich, 2015
?Paxillomegops brevipes Wunderlich, 2015
Paxillomegops longipes Wunderlich, 2015
Picturmegops signatus Wunderlich, 2015
- Leptonetidae
Palaeoleptoneta calcar Wunderlich, 2012
- Liphistidae
Cretaceothele lata Wunderlich, 2015
- †Micropalpimanidae
Micropalpimanus poinari Wunderlich, 2008
- †Mongolarachnidae
Longissipalpus magnus Wunderlich, 2015
Longissipalpus maior Wunderlich, 2015
Longissipalpus minor Wunderlich, 2015
Pedipalparaneus seldeni Wunderlich, 2015

Mysmenidae?

Nephilidae?

‘*Nephila*’ *burmanica* (Poinar & Buckley, 2012)

Oecobiidae

Retroecobius chomskyi Wunderlich, 2015

Retroecobius convexus Wunderlich, 2015

Zamilia aculeopectens Wunderlich, 2015

Zamilia antecessor Wunderlich, 2008

Zamilia quattuormammillae Wunderlich, 2015

Oonopidae

Burmorchestina pulcher Wunderlich, 2008

†Pholcochyroceridae

?*Pholcochyrocer baculum* Wunderlich, 2012

Pholcochyrocer guttulaeque Wunderlich, 2008

Pholcochyrocer pecten Wunderlich, 2012

Spinicreber antiquus Wunderlich, 2015

Spinipalpus vetus Wunderlich, 2015

†Plumorsolidae

Burmorsolus crassus Wunderlich, 2015

Burmorsolus nonplumosus Wunderlich, 2015

†Praeterleptonetidae

Autotomiana hirsutipes Wunderlich, 2015

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

Psilodercidae

Leclercera ellenbergeri Wunderlich, 2015

Leclercera longissipes Wunderlich, 2012

Leclercera sexaculeata Wunderlich, 2015

Leclercera spicula Wunderlich, 2012

Proterpsilodermes longisetae Wunderlich, 2015

?*Psilodermes filiformis* Wunderlich, 2012

†Salticoididae

Burmadictyna clava Wunderlich, 2015

Burmadictyna excavata Wunderlich, 2015

Burmadictyna pectin Wunderlich, 2008

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
Vetiator gracilipes Wunderlich, 2015
Telemidae?
Tetrablemmidae
Bicornoculus levis Wunderlich, 2015
Electroblemma bifida Selden, Zhang & Ren, 2016
?Eogamasomorpha *clara* Wunderlich, 2015
Eogamasomorpha nubila Wunderlich, 2008
Eoscaphiella ohlhoffi Wunderlich, 2011
Praeterpaculla armatura Wunderlich, 2015
Praeterpaculla biacuta Wunderlich, 2015
Praeterpaculla dissolata Wunderlich, 2015
Praeterpaculla equester Wunderlich, 2015
Praeterpaculla tuberosa Wunderlich, 2015
Saetosoma filiembolus Wunderlich, 2012
Uniscutosoma aberrans Wunderlich, 2015
Tetragnathidae?
Thomisidae?
Theridiosomatidae
Leviunguis bruckschi Wunderlich, 2012
Theridiidae
Cretotheridion inopinatum Wunderlich, 2015
Uloboridae
Bicalamistrum mixtum Wunderlich, 2015
Burmuloborus antefixus Wunderlich, 2015
Burmuloborus parvus Wunderlich, 2008
?Burmuloborus *prolongatus* Wunderlich, 2015
Microuloborus birmanicus Wunderlich, 2015
Ocululoborus curvatus Wunderlich, 2012
Palaeomiagrammopes vesica Wunderlich, 2008
Paramiagrammopes cretaceus Wunderlich, 2008
Paramiagrammopes longiclypeus Wunderlich, 2015
Paramiagrammopes patellidens Wunderlich, 2015
Family *incertae sedis*
Furcembolus andersoni Wunderlich, 2008

Opiliones (3f., 3g., 3sp.)
Epedanidae

- Petrobunoides sharmai* Selden, Dunlop, Giribet, Zhang & Ren, 2016
- †Halithersidae
Halitherses grimaldii Giribet & Dunlop, 2005
- Stylocellidae
Palaeosiro burmanicum Poinar, 2008
- Palpigradi (1f., 1g., 1sp.)
Eukoeneniidae
Electrokoenenia yaksha Engel & Huang, 2016
- Pseudoscorpiones (4f., 3g., 3sp.)
Cheiridiidae
Electrobisium acutum Cockerell, 1917
Chernetidae
Feaellidae
Protofeaella peetersae Henderickx, 2016
Garypinidae
Amblyopium burmiticum (Cockerell, 1920)
- Ricinulei (2f., 2g., 2sp.)
Poliocheridae
? *Poliochera cretacea* Wunderlich, 2012
†Primoricinuleidae
Primoricinuleus pugio Wunderlich, 2015
- Schizomida
- Scorpiones (7f., 9g., 22sp.)
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 kobberti Lourenço, 2015

Betaburmesebuthus larafleissnerae Lourenço, 2016
Betaburmesebuthus muelleri Lourenço, 2015
Palaeoburmesebuthus grimaldii Lourenço, 2002
Palaeoburmesebuthus ohlhoffi Lourenço, 2015

†Palaeoescorpiidae

Archaeoscorpius cretacicus Lourenço, 2015
Burmesescorpiops 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

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

Argasidae

Ixodidae

Amblyomma sp.

Compluriscutula vetulum Poinar & Buckley, 2008

Cornupalpatum burmanicum Poinar & Brown, 2003

Opilioacaridae

?*Opilioacarus groehni* Dunlop & Oliveira Bernardi, 2014

Polyaspididae

Sarcoptiformes (8f.)

Archaeorchestidae

Enantioppiidae?

Eremaeidae

Gymnodameidae

Malaconothridae?

Neoliodidae

Oribatellidae

Oribotritiidae?

Trombidiformes (7f., 2g., 2sp.)

Anystidae

Bdellidae

Caeculidae

Cheyletidae

Cheyletus burmiticus Cockerell, 1917

Erythraeidae

Eupodidae

Resinacaridae

Protoresinacarus brevipedis Khaustov & Poinar, 2010

Tuckerellidae

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

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

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

Geophilidae

Kachinophilus pereirai Bonato, Edgecombe & Minelli, 2014

Scolopendromorpha?

Scutigermorpha

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

Oniscomorpha

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

Synxenidae

Phryssonotus burmiticus (Cockerell, 1917)

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

Siphoniulidae

Siphoniulus muelleri Liu, Rühr & Wesener, 2017

Siphoniulus preciosus Liu, Rühr & Wesener, 2017

Siphonophorida

Siphonophoridae

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

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

Decapoda

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

Styloniscidae?

Myanmariscus deboiseae Broly, Maillet & Ross, 2015

Tylidae

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

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

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

Peripatidae

Cretoperipatus burmiticus Grimaldi & Engel, 2002

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

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

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

Pholadidae (crypts)

Palaeoclavaria burmitis Poinar & Brown, 2003

Gastropoda (1o., 1f.)

Panpulmonata (1f.)

Punctidae

NEMATODA (3c., 4o., 5f., 7g., 8sp.)

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

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

Family Cosmocercidae

Palaeocosmocerca burmanica Poinar, 2011

Family Heterorhabditidae Poinar, 1975

Proheterorhabditis burmanicus Poinar 2011

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

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

Mermithidae

Cretacimermis chironomae Poinar, 2011

Cretacimermis protus Poinar & Buckley, 2006

Heleidomermis cataloniensis Poinar & Monteys, 2008

Secernentea (2o., 2f., 3g., 3sp.)

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

Family Thelastomatidae

Paleothelastoma tipulae Poinar, 2011

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

Family Aphelenchoididae

Cretaciaphelenchoides burmensis Poinar, 2011

Cretodiplogaster termitophilous Poinar, 2011

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

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

Chordodidae

Cretachordodes burmitis Poinar & Buckley, 2006

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)

PROTISTA (9c., 10o., 12f., 20g., 21sp.)

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

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

Plasmodidae

Paleohaemoproteus burmacis Poinar & Telford, 2005

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

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

Rickettsiaceae

Palaeorickettsia protera Poinar, 2014

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.)

Devescovinidae

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., 11f., 17g., 21sp.)

Angiospermae (4o., 4f., 9g., 10sp.)

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

Cornaceae

Eoëpigynia burmensis Poinar, Chamber & Buckley, 2007

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

Cunoniaceae?

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

Lachnociona 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., 2f., 3g., 4sp.)

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

Frullaniaceae

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

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

Protofrullania cornigera Heinrichs, 2017

Lepidolaeanaceae

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

Marchantiopsida (1o., 1f.)

Marchantiales (1f.)

Marchantiaceae?

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

Pinales (2f., 1g.)

Araucariaceae

Cupressaceae

Metasequoia sp.

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

Polypodiales (2f., 2g., 2sp.)

Denntstaedtiaceae

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

Lindsaeaceae

Family *incertae sedis*

Cretacifilix fungiformis Poinar & Buckley, 2008

FUNGI (2c., 3o., 2f., 6g., 6sp.)

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

Agaricales (1g., 1sp.)

Family *incertae sedis*

Palaeoagaracites antiquus Poinar & Buckley, 2007

Boletales (1g., 1sp.)

Family *incertae sedis*

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*

Entopezites patricii Poinar & Buckley, 2007

Mycetophagites atrebora Poinar & Buckley, 2007

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