

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 It does not contain unpublished records or records from papers in press (including on-line proofs) or unsubstantiated on-line records.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

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.

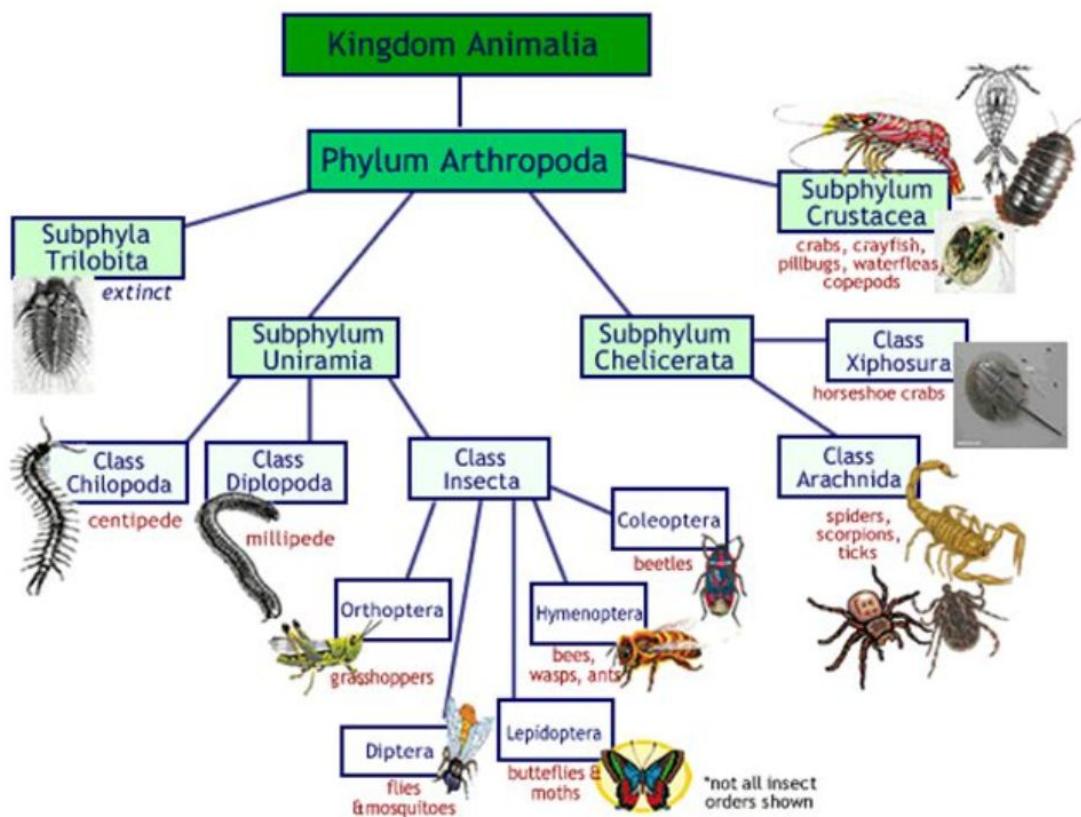
I welcome collaboration on future papers using this data, which will give me the incentive to keep the list up-to-date.

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

Ross, A.J. 2017. Burmese (Myanmar) amber taxa, on-line checklist v.2017.2. 73pp.
<http://www.nms.ac.uk/explore/stories/natural-world/burmese-amber/>

ARTHROPODS

Extinct and modern arthropods



- Subphylum †Trilobitomorpha
 - †Trilobita – trilobites (extinct)
- Subphylum Chelicerata
 - Arachnida – spiders, scorpions, etc.
 - Merostomata – horseshoe crabs, eurypterids
 - Pycnogonida – sea spiders
- Subphylum Myriapoda
 - Chilopoda – centipedes
 - Diplopoda – millipedes
 - Pauropoda – sister group to millipedes
 - Sympyla – resemble centipedes
- Subphylum Crustacea
 - Branchiopoda – brine shrimp etc.
 - Remipedia – blind crustaceans
 - Cephalocarida – horseshoe shrimp
 - Maxillopoda – barnacles, copepods, fish lice, etc.
 - Ostracoda – seed shrimp
 - Malacostraca – lobsters, crabs, shrimp, etc.
- Subphylum Hexapoda
 - Insecta – insects with wings
 - Entognatha – insects without wings - springtails, etc.
- Incertae sedis
 - Camptophyllia (extinct)^[2]
 - Marrellomorpha (extinct)
 - Acanthomeridion (extinct)
 - Thelxiope (extinct)

- [Euthycarcinoidea](#)
(extinct)
- [Carnarvonia](#) (extinct)

HEXAPODA

insects with 6 legs

The subphylum **Hexapoda** (from the [Greek](#) for *six legs*) constitutes the largest number of species of [arthropods](#) and includes the [insects](#) as well as three much smaller groups of wingless arthropods: [Collembola](#), [Protura](#), and [Diplura](#) (all of these were once considered insects).^{[3][4]} The Collembola (or [springtails](#)) are very abundant in terrestrial environments. *Hexapods* are named for their most distinctive feature: a consolidated thorax with three pairs of legs. Most other arthropods have more than three pairs of legs.

There are two classes of Hexapoda
Insecta and Entognatha

Entognatha

insects without wings

CAMPODEIDAE

Campodea redii

[Scientific classification](#)

Kingdom: [Animalia](#)
Phylum: [Arthropoda](#)
Subphylum: [Hexapoda](#)
Class: [Entognatha](#)
Order: [Diplura](#)
Family: **Campodeidae**

The **Campodeidae** are a family of [hexapods](#) belonging to the order [Diplura](#). These pale, eyeless hexapods, the largest of which grow to around 12 mm in length, can be recognised by the two long, many-segmented [cerci](#) at the end of the [abdomen](#). Abdominal spiracles are absent.^[1] Around 200 species are known.

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



Burmisotoma lamellifera Christiansen & Nascimbene, 2006 Proisotoma pettersonae Christiansen & Nascimbene, 2006 Propachytoma conica Christiansen & Nascimbene, 2006 Protodesoria granda Christiansen & Nascimbene, 2006 Protoisotoma burma Christiansen & Nascimbene, 2006 Villusitoma brevis Christiansen & Nascimbene, 2006 Villusitoma 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

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

Sminthuridae



Grinnellia ventis Christiansen & Nascimbene, 2006 Mucrovirga incompleta Christiansen & Nascimbene, 2006 Sminthurconus grimaldi Christiansen & Nascimbene, 2006 Sminthuricinus deceptusa Christiansen & Nascimbene, 2006

Insecta (30o., 276f., 409g., 481sp., excluding copal)

Insects with wings

Archaeognatha (2f., 1g.)



Rock Bristletail

Machilidae Meinertellidae

?*Macropsontus* sp.

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

Silverfish & Firebrats



Silverfish



Firebrats

Lepismatidae

Allacrotelsa burmiticus (Cockerell, 1917) Burmalepisma cretacicum Mendes & Poinar, 2008
Cretalepisma kachinicum Mendes & Wunderlich, 2013

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

Mayfly



†Australiphemeridae

Nanophemera myanmarensis McCafferty & Santiago-Blay, 2009 Baetidae

Vetuformosa buckleyi Poi, 2011 Family incertae sedis

Myanmarella rossi Sinitshenkova, 2000

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

Odonate



†Burmaphlebiidae

Burmaphlebia reifi Bechly & Poinar, 2013 Dysagrionidae

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

Cretagomphaeschnaoides jarzembowskae Zheng, Jarzembowski, Chang & Wang, 2016 Gomphidae

Burmalindenia imperfecta Schädel & Bechly, 2016 Hemiphlebiidae

Burmahemiphlebia zhangi 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 hongi Huang, Azar, Cai & Nel, 2015 Palaeodisparoneura burmanica Poinar, Bechly & Buckley, 2010 Palaeodisparoneura cretacea Zheng, Wang & Chang, 2016

Yijenplatycnemis huangi 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.)

Aethiocarenum



†Aethiocarenidae

Aethiocarenus burmanicus Poinar & Brown, 2016

†Alienoptera (1f., 1g., 1sp.)

Balaenoptera

†Alienopteridae

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

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

Cockroach



†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 aernalis 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

Dermoptera (4f., 8g., 8sp.)

Earwig



Anisolabididae?

Toxolabis zigrasi Engel & Grimaldi, 2014 Diplatyidae

Tytthodiplatys mecy nocercus Engel, 2011 Labiduridae

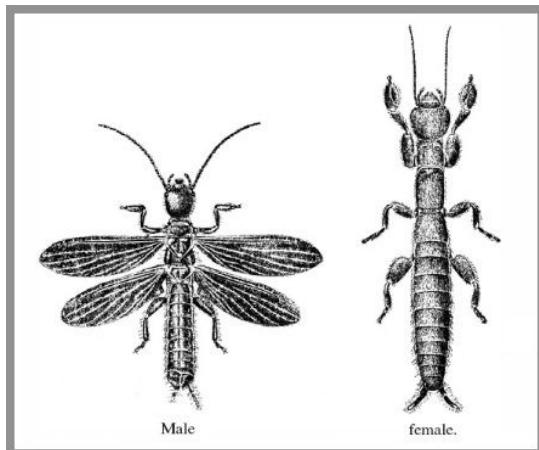
Myrrholabia electrina (Cockerell, 1920) *Zigrasolabis speciosa* Engel & Grimaldi, 2014
Pygidicranidae

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.)

Embiidina



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.)

Grylloblattidae



Family incertae sedis

Sylvalitoralis cheni Zhang, Bai & Yang, 2016

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

Mantis



†Gryllomantidae

Burmantis asiatica Grimaldi, 2003 *Burmantis burmitica* (Grimaldi, 2003) *Burmantis zherikhini* Delclòs, Peñalver, Arillo, Engel, Nel, Azar & Ross, 2015

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



†Elcanidae

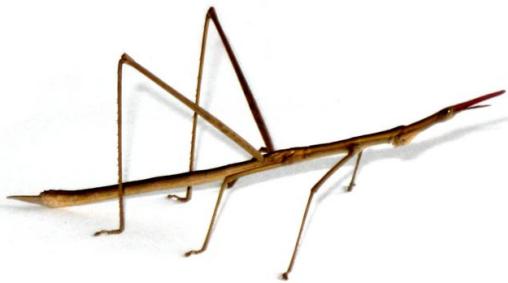
Burmelcana longirostris Peñalver & Grimaldi, 2010 *Longioculus burmensis* Poinar, Gorochov & Buckley, 2007 Gryllidae Mogoplistidae

Protomogoplistes asquamosus Gorochov, 2010 Tetrigidae Tettigonidae Tridactylidae

Birmitoxya intermedia Gorochov, 2010 *Burmadactylus grimaldii* Heads, 2009

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

Phasmids (Stick insects)



†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.)

True Bugs



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 Vea & 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

Isolaphis 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

Burmorthezia kotejai Vea & Grimaldi, 2012 *Burmorthezia insolita* Vea & Grimaldi, 2012
Wathondara kotejai Simon, Szwedo & 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

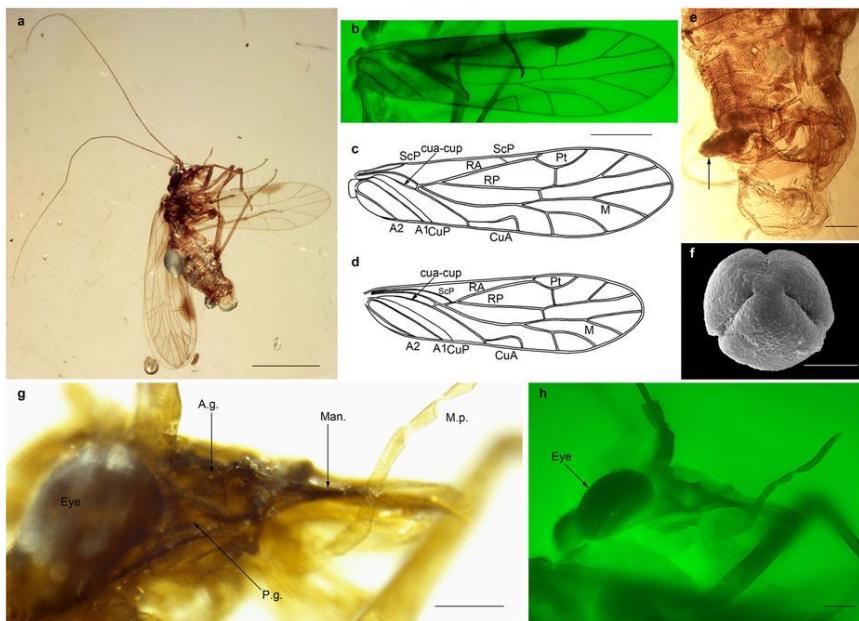
Alacrena peculiaris Vea & Grimaldi, 2015 *Magnilens glaesaria* Vea & Grimaldi, 2015

Marmyan barbara Koteja, 2004 *Pedicelllicoccus marginatus* Vea & Grimaldi, 2015 *Xiphos vani* Vea & Grimaldi, 2015 [in Lebanese amber]

†Permopsocida (1f., 3g., 3sp.)

New Fossil Insect

(Only found in Burmese Amber, Mid Cretaceous Period)



†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, Bourgoin & Nel, 2016.

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

Booklice



†Archaeatropidae

Archaeatropos perantiqua (Cockerell, 1919) Compsocidae

Burmacompsocus banksi (Cockerell, 1916) *Burmacompsocus perreaui* Nel & Waller, 2007

Paraelectrentomopsis chenyangcaili 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 leinhardti* Azar, Huang & Nel, 2017 Trogiidae Family
incertae sedis

'*Psyllipsocus*' *banksi* Cockerell, 1916

Thysanoptera (2f.)

Thrips



Aelothripidae Thripidae

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

Beetle



Aderidae Anobiidae

Mesernobius anawrahtai Engel, 2010 Anthicidae

'Eurygenius' wickhami Cockerell, 1917 Buprestidae Cantharidae

Archaeomalthodes rosetta Hsiao, Ślipiński & Pang, 2016 Myamalycoerus vitalii Fanti & Ellenberger, 2016 Ornatomalthinus elvira 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 Geotrupididae

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 gyralomimus* Poinar, Brown & Legalov, 2016 *Mesophyletis calhouni* Poinar, 2006 *Jacobsoniidae*

Derolathrus abyssus Yamamoto & Parker, 2017 *Lampyridae*

Protoluciola albertalleni Kazantsev, 2015 *Latridiidae* (=Lathridiidae)

Lepiceridae (=Haplochelidae)

Haplochelus georissooides 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 *Ripiphoridae*
(=Rhipiphoridae)

Cretaceoripidius burmiticus (Cockerell, 1917) *Flabellotoma heidiae* Batelka, Prokop & Engel, 2016 *Paleoripiphorus* cf. *deploegi* Perrichot, Nel & Neraudeau, 2004 (in Batelka et al., 2016)
Salpingidae *Scarabaeidae* *Scirtidae* (=Helodidae)

Mesernobius anawrahtai Engel, 2010 *Scaptiidae* *Silphidae*

Nicrophorus sp. *Silvanidae*

Pleuroceratos burmiticus Poinar & Kirejtshuk, 2008 *Smicripidae*

Smicriips cretacea Cai & Huang, 2016 *Sphaeriidae* (=Microsporidae)

Burmasporum rossi Kirejtshuk, 2009

Staphylinidae (=Pselaphidae, Scydmaenidae) *Boreotethys arctoptyeryx* 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 tianmiaoae* 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.)

Fly

Acroceridae



Burmacyrtus rusmithi Grimaldi & Hauser, 2011 *Schlängeromyia minuta* Grimaldi & Hauser, 2011 Anisopodidae Apsiococephalidae

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

- Endymomyia quadra Grimaldi, 2016* *Nealimyia 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 & Gińska, 2014* *Archiculicoides burmiticus (Szadziewski & Poinar, 2005)* *Atriculicoides swinhoei (Cockerell, 1919)*
- Austroconops asiaticus Szadziewski, 2004* *Leptoconops burmiticus Szadziewski, 2004*
- Leptoconops ellenbergeri Szadziewski, Gińska & 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*
- Chaoburmus breviusculus Lukashevitch, 2000* ?*Chaoburmus victimaartis Lukashevitch, 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, Feng, Zhang & Wang, 2015* †*Eucaudomyiidae*
- Eucaudomyia longicerri Grimaldi, 2016* *Hybotidae*
- Alavesia sp.* *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 davisi* 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 birmatica 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. 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 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 (=Eptychopteridae)

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.)

Hymenopterans (sawflies, wasps, bees, and ants)



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
Hyptiogasterites electricinus Cockerell, 1917 *Protofoenus swinhoei* Cockerell, 1917 *Ichneumonidae*

Caloichneumon perrarus Li, Kopylov, Shih & Ren, 2016 *Novichneumon longus* Li, Kopylov, Shih & Ren, 2016 †*Maimetshidae*

Burmainmetsha concava Perrichot, 2013 *Maimetshasia kachinensis* Perrichot, 2013 *Megalyridae*
Megaspilidae †*Melittosphecidae*

Melittosphex burmensis Poinar & Danforth, 2006 Mymaridae

Myanmymar aresconoides Huber, 2011 Mymaromatidae

Archaeromma gibsoni Engel & Grimaldi, 2007 †*Othniiodellithidae*

Othniiodellitha mantichora Engel & Huang, 2016 *Xenodellitha preta* Engel, 2017 Pelecinidae

Abropelecinus tytthus Guo, Shih & Ren, 2016 *Brachypelecinus euthyntus* Guo, Shih & Ren, 2016 *Zoropecelinus periosus* Guo, Shih & Ren, 2016 *Zoropecelinus 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 †Serpitidae

Serphites sp. Sierolomorphidae †Spathiopterygidae

Diaspathion ortegai Engel & Huang, 2015 Sphecidae Stephanidae

Kronostephanus zigrasi Engel & Grimaldi, 2013 *Lagenostephanus lii* Li, Rasnitsyn, Shih & Ren, 2017 *Phoriostephanus exilis* Engel & Huang, 2016 †Stigmaphronidae

Burmaphron tridentatum Engel & Grimaldi, 2009 *Burmaphron prolatum* Engel & Grimaldi, 2009 †Syspastoxyelidae

Syspastoxyela rhaphidia 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 Family incertae sedis

Cirrosphecia admirabilis Antropov, 2000 *Trigampulex pervetus* (Cockerell, 1917)

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

Butterflies and moths



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 martinsnetai 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 *Systenobertha magillae*

Engel & Grimaldi, 2008 *Telistoberotha libitina* Engel & Grimaldi, 2008 *Chrysopidae*

Coniopterygidae

Achlyoconis heptatrichia Engel, 2016 *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 *Cretanallachius*

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*

Burmodipteromantispa jiaxiaoae Liu, Lu & Zhang, 2016 *Halteriomantispa grimaldii* Liu, Lu &

Zhang, 2016 *Mantispidipterella longissima* Liu, Lu & Zhang, 2016 *Hemerobiidae* *Ithonidae*

Kalligrammatidae *Mantispidae?*

Doratomantispa burmanica Poinar, 2010 †*Mesochrysopidae*

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

Myrmeleontidae (=Arripeneuridae)

Burmaneura minuta Huang, Azar, Engel, Garrouste, Cai & Nel, 2016 *Nemopteridae*

Nevorthidae

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 *Scoloberotha necatrix* Engel & Grimaldi, 2008 Sisyridae

Paradoxosysisra 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.)

Snakefly



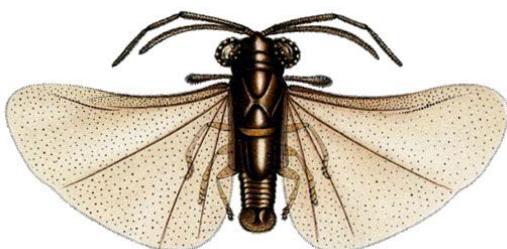
†Mesoraphidiidae

Burmoraphidia reni Liu, Lu & Zhang, 2016 *Dolichoraphidia aspoecki* 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.)

Caddisfly



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

Incertae sedis (4f., 4g., 4sp.)

Lithosiini



†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.)

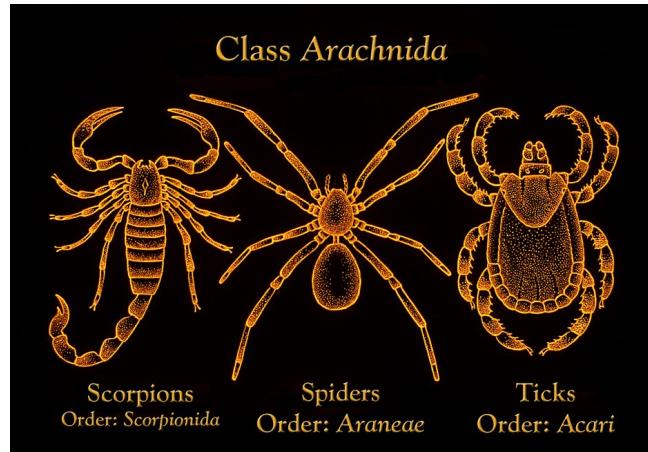
Hymenoptera (1f., 1g., 2sp.)

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]



Arachnida

†Archaeobuthidae Deinopidae Dictynidae Erythraeidae Linyphiidae Ochyroceratidae Olpiidae Pisauridae Sironidae

Amblypygi (1g., 3sp.)

Tailless whip scorpions



Amblypygi is an ancient [order](#) of [arachnid chelicerate arthropods](#) also known as **whip spiders** and **tailless whip scorpions** (not to be confused with [whip scorpions](#) and vinegaroons that belong to the related order Thelyphonida). The name "amblypygid" means "blunt rump", a reference to a lack of the [flagellum](#) ("tail") that is otherwise seen in whip scorpions. They are harmless to humans.^{[2][3]} Amblypygids possess no [silk](#) glands or [venomous](#) fangs. They rarely bite if threatened, but can grab fingers with their [pedipalps](#), resulting in thorn-like puncture injuries.

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 paudentatus* Wunderlich,

2008 *Lacunauchenius speciosus* Wunderlich, 2008 *Lacunauchenius longissipes* Wunderlich,

2015 *Lacunauchenius pilosus* Wunderlich, 2015 *Planarchaea kopp* Wunderlich, 2015

†*Burmascutidae*

Burmascutum aenigma Wunderlich, 2008 Corinnidae (=Myrmecidae)? Dipluridae

Phyxioschemoides collembola Wunderlich, 2015 †Eopsilodercidae

Eopsiloderces loxosceloides Wunderlich, 2008 *Eopsiloderces serenitas* Wunderlich, 2015

†Fossilcalcaridae

Fossilcalcar praeteritus Wunderlich, 2015 Hersiliidae

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 cymbiocar Wunderlich, 2015 *Lagonoburmops plumosus* Wunderlich, 2012

?*Lagonomegops tuber* Wunderlich, 2015 *Lineaburmops beigeli* Wunderlich, 2015 *Lineaburmops*

hirsutipes Wunderlich, 2015 *Myanlagonops gracilipes* Wunderlich, 2012 *Parviburmops*

brevipalpus 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

Retrooecobius chomskyi Wunderlich, 2015 *Retrooecobius 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 *Palaeohygropoda 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 *Proterpsiloderces longisetae* Wunderlich, 2015 ?*Psiloderces filiformis* Wunderlich, 2012 †*Salticoididae*

Burmadictyna clava Wunderlich, 2015 *Burmadictyna excavata* Wunderlich, 2015 *Burmadictyna pectin* Wunderlich, 2008 *Segestriidae*

Denticulsegestria rugosa Wunderlich, 2015

Myansegestria caederens Wunderlich, 2015 *Myansegestria 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.)

Harvestmen



Epedanidae

This is a list of the described species of the harvestman family Epedanidae.



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

Halitherses grimaldii Giribet & Dunlop, 2005 Stylocellidae

Palaeosiro burmanicum Poinar, 2008

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

Microscorpions



Eukoeneniidae

Electrokoenenia yaksha Engel & Huang, 2016

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

Cheiridiidae



Black Widow (Theridiidae, *Latrodectus* spp.)
USA, TX, Bandera Co.: Bandera
Hill Country SNA
April 9, 2016

Public domain image by Alejandro Santillana
Produced as part of the "Insects Unlocked" project
The University of Texas at Austin

Electrobisium acutum Cockerell, 1917

Order:

- Pseudoscorpiones

Suborder:

- locheirata

Superfamily:

- Cheiridoidea

Family:

- Cheiridiidae

Subfamily:

- Cheiridiinae

Genus:

- Electrobisium

Chernetidae Feaellidae



Protofeaella peetersae Henderickx, 2016 Garypinidae

Amblyolpium burmiticum (Cockerell, 1920)

Order:

- Pseudoscorpiones

Suborder:

- Locheirata

Superfamily:

- Garypoidea

Family:

- Garypinidae

Genus:

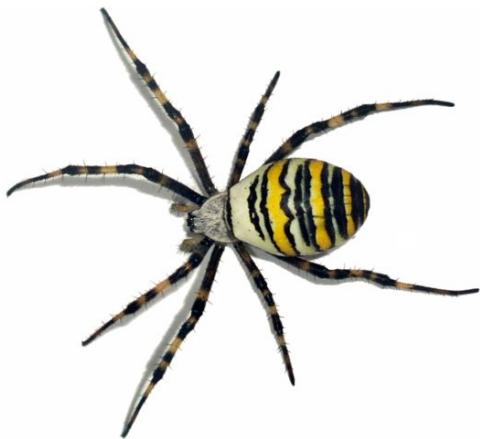
- Amblyolpium

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

The order Ricinulei is a group of arachnids known as hooded tickspiders, though they are not true spiders. Like most arachnids, they are predatory, eating small arthropods.



Poliocheridae



?*Poliochera cretacea* Wunderlich, 2012 †*Primoricinuleidae*

Primoricinuleus pugio Wunderlich, 2015

Schizomida



Schizomida is an order of arachnids, generally less than 5 millimetres in length. The order is not yet widely studied.

Scorpiones (7f., 9g., 22sp.)



Buthidae

The Buthidae are the largest family of scorpions, containing about 80 genera and over 800 species as of mid-2008. Its members are known as, for example, fat-tailed scorpions and bark scorpions.



Striped Bark Scorpion (Buthidae, *Centruroides vittatus*)
USA, TX, Bandera Co.: Bandera
Hill Country State Natural Area
April 9, 2016

Public domain image by Alejandro Santillana
Produced as part of the "Insects Unlocked" project
The University of Texas at Austin

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

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Betaburmesebuthus larafleissnerae Lourenço, 2016 *Betaburmesebuthus muelleri* Lourenço,
2015 *Palaeoburmesebuthus grimaldii* Lourenço, 2002 *Palaeoburmesebuthus ohlhoffi* Lourenço,
2015 †*Palaeoeuscorpiidae*

Archaeoscorpius cretacicus Lourenço, 2015 *Burmesescorpiops groehni* Lourenço, 2016
†*Palaeotrilineatidae*

Palaeotrilineatus ellenbergeri Lourenço, 2012 †*Sucinolourencoidae*

Sucinlourencous adrianae Rossi, 2015

Solfugae

Scientific name: Solifugae



Order: Solifugae; Sundevall, 1833

Class: Arachnida

Higher classification: Dromopoda

Rank: Order

(1g., 1sp.)

Family incertae sedis

Cushingia ellenbergeri Dunlop, Bird, Brookhart & Bechly, 2015

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

Thelyphonidae

These [arachnids](#) can reach a length of 18–85 millimetres (0.71–3.35 in). The body consists of a [cephalothorax](#) coated with chitin and of an abdomen divided into 12 segments.



Mesothelyphonus parvus Cai & Huang, 2016 Family incertae sedis
Burmathelyphonia prima Wunderlich, 2015



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

The Parasitiformes are an order of Acari.

Phylum: Arthropoda

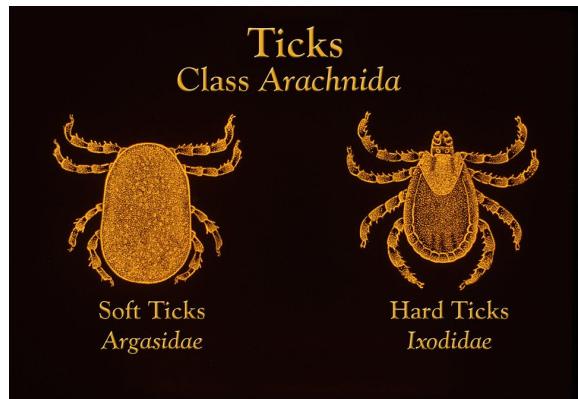
Higher classification: Acari

Rank: Superorder

Superorder: Parasitiformes; Leach, 1815

Subclass: Acari

Argasidae Ixodidae



Amblyomma



Amblyomma

Scientific name: *Amblyomma*

Class: Arachnida

Higher classification: Ixodidae

Phylum: Arthropoda

Rank: Genus

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.)

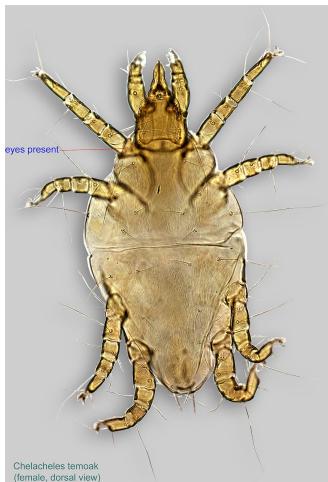
Mites



Anystidae Bdellidae Caeculidae

Cheyletidae

Cheyletidae is a family of mites in the order Trombidiformes. Some members are parasites of birds and mammals, causing cheyletiellosis, or "walking dandruff"



Phylum: Arthropoda

Higher classification: Trombidiformes

Rank: Family

Order: Trombidiformes

Subclass: Acari

Cheyletus burmiticus Cockerell, 1917 Erythraeidae Eupodidae Resinacaridae

Protoresinacarus brevipedis Khaustov & Poinar, 2010 Tuckerellidae

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

millipedes, centipedes

Chilopoda

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



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

Geophilidae

Kachinophilus pereirai Bonato, Edgecombe & Minelli, 2014

Scolopendromorpha?

Scutigeromorpha

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

Millipede



Scientific name: Diplopoda

Class: Diplopoda; De Blainville in Gervais, 1844

Phylum: Arthropoda

Kingdom: Animalia

Higher classification: Myriapoda

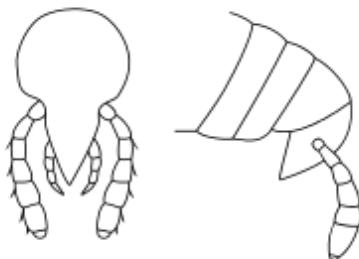
Oniscomorpha

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.)

Roundworm



Family Cosmocercidae

Palaeocosmocerca burmanica Poinar, 2011 Family Heterorhabditidae Poinar, 1975

Proheterorhabditis burmanicus Poinar 2011

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

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

Mermithidae

Nematode worms



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 burnitis Poinar & Buckley, 2006

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

Amphibia (1o.)



Anura

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

Scaled Reptiles



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.)

Intraerythrocytic Parasitic Alveolates



Plasmodidae

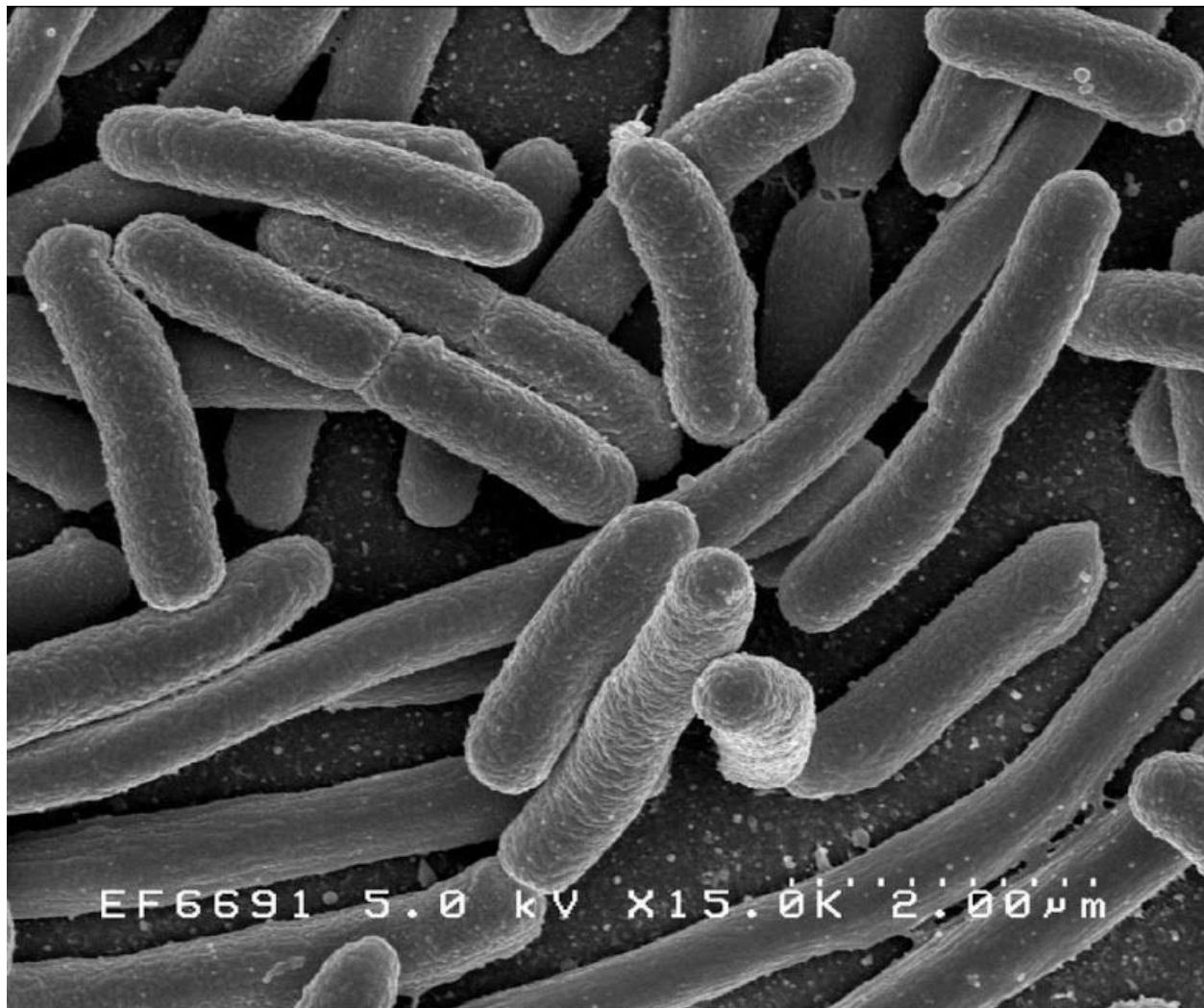
Paleohaemoproteus burmacis Poinar & Telford, 2005

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

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

Small Proteobacteria



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

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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

Trichonymphae (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
32
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 teriae 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 pyrrhobryooides* N.E. Bell, 2007
Jungermanniopsida (1o., 2f., 3g., 4sp.)
Porellales (2f., 3g., 4sp.)
Frullaniaceae
Frullania baerlocheri Heinrichs, M.E. Reiner, Feldberg, von Konrat, Hentschel, Váňa & 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.)

Marchiales (1f.)

Marchantiaceae?

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

Pinales (2f., 1g.)

Araucariaceae Cupressaceae

Metasequoia sp.

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

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

Dennstaedtiaceae

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

Palaeophiocordyceps coccophagus Sung, Poinar & Spatafora, 2008 Family incertae sedis

Entopezites patricii Poinar & Buckley, 2007 *Mycetophagites atrebora* Poinar & Buckley, 2007

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