

List of Clade Names Defined in *Phylonyms*
(Modified from the Table of Contents of *Phylonyms*)

The table of contents of *Phylonyms* was designed to reflect the order of presentation in the volume and was arranged according to the following conventions: “The purpose of the arrangement is to provide a linear order for the treatments in the volume, not to represent the phylogenetic relationships of the named clades. Nonetheless, the names are presented as an unranked, indented taxonomy with the names of hypothesized subclades indented beneath those of the clades in which they are included (but see below regarding controversial relationships). With a few exceptions, names that are indented the same amount within a section (see below) designate mutually exclusive clades, but not necessarily sister groups or clades of similar size or age; they are presented in order of the number of subclades whose names are treated in the volume, from smallest to largest. If the numbers of subclades whose names are treated in the volume are equal, the clade names are presented in a manner that is consistent with either phylogenetic relationships or traditional ordering conventions (or both). Names in square brackets are those of clades that are not treated in this volume; they are included because they may be more familiar than the names of their subclades that are included. Entirely extinct taxa are marked with a dagger. The treatments are divided into eight sections, with indentation reset to the left in each. In cases where relationships of a clade are controversial, we have generally followed the primary reference phylogeny cited in the contribution for that clade.” (de Queiroz, Cantino, and Gauthier, 2020: v).

SECTION 1 (*Pan-Biota*)

Pan-Biota

Biota

Eukarya

Metamonada

Discoba

Discicristata

Euglenozoa

Sar

Stramenopila

Rhizaria

Foraminifera

Alveolata

Ciliophora

Postciliodesmatophora

Intramacronucleata

Archaeplastida [see Section 2]

Amorphea

Opisthokonta

Fungi

Dikarya

Basidiomycota

Ascomycota

Metazoa [see Section 5]

SECTION 2 (*Archaeplastida*)

Archaeplastida

Rhodophyta

Cyanidiales

Rhodophyta

Proteorhodophytina

Compsopogonophyceae

Porphyridiophyceae

Rhodellophyceae

Stylonematales
Eurhodophytina
Bangiales
Florideophyceae
Hildenbrandiales
Nemaliophycidae
Corallinophycidae
Ahnfeltiophycidae
Rhodymeniophycidae
Viridiplantae
Chlorophyta
Charophyta
Klebsormidiophyceae
Phragmoplastophyta
Zygnematophyceae
Coleochaetophyceae
Charophyceae
Embryophyta [see Section 3]

SECTION 3 (*Embryophyta*)

Embryophyta
Hepaticae
Musci
Anthocerotae
Pan-Tracheophyta
Apo-Tracheophyta
Tracheophyta
Pan-Lycopodiophyta
Lycopodiophyta
Pan-Euphyllophyta
Euphyllophyta
Monilophyta
Pan-Spermatophyta
Apo-Spermatophyta
Spermatophyta
Pan-Gnetophyta
Gnetophyta
Pan-Coniferae
Coniferae
Cupressophyta
Pan-Angiospermae
Angiospermae [see Section 4]

SECTION 4 (*Angiospermae*)

Angiospermae
Mesangiospermae
Magnoliidae
Monocotyledoneae
Petrosaviidae
Commelinidae
Poineae
Tricolpatae
Eudicotyledoneae

- Gunneridae*
- Pentapetalae*
- Superrosidae*
- Rosidae*
- Malvidae*
- Myrtales*
- Fabidae*
- Leguminosae*
- Superasteridae*
- Caryophyllales*
- Asteridae*
- Ericales*
- Ericaceae*
- Gentianidae*
- Campanulidae*
- Apiidae*
- Campanulaceae*
- Campanuloideae*
- Lobelioideae*
- Lamiidae*
- Lamianae*
- Gentianales*
- Rubiaceae*
- Solanales*
- Solanaceae*
- Convolvulaceae*
- Lamiales*
- Bignoniaceae*
- Orobanchaceae*
- Labiatae*
- Nepetoideae*

Section 5 (Metazoa)

Metazoa

- Porifera*
 - Demospongiae*
 - Hexactinellida*
 - Homoscleromorpha*
 - Calcispongia*
- Cnidaria*
 - Anthozoa*
 - Hexacorallia*
 - Octocorallia*
 - Medusozoa*
 - Cubozoa*
 - Hydrozoa*
 - Trachylina*
 - Hydroidolina*
 - Siphonophora*
- Bilateria*
 - Protostomia*
 - Lophotrochozoa*
 - Annelida*

- [Platyhelminthes]*
 - Rhabdocoela*
 - Dalytyphloplanida*
 - Kalyptorhynchia*
 - Schizorhynchia*
 - Pan-Brachiopoda*
 - Brachiopoda*
 - Pan-Neoarticulata*
 - Neoarticulata*
- [Mollusca]*
 - Cephalopoda*
 - Nautilus*
 - Neocoleoidea*
 - Decapodiformes*
 - Vampyroteuthis*
 - Octopoda*
- Ecdysozoa*
 - Nematomorpha*
 - Pan-Nematoda*
 - Nematoda*
 - [Arthropoda]*
 - Branchiopoda*
 - Insecta*
 - Trichoptera*
 - [Malacostraca/Decapoda]*
 - Polycarpidea*
 - Prochelata*
 - [Arachnida]*
 - Araneae*
 - Mesothelae*
 - Opisthothelae*
 - Mygalomorphae*
 - Araneomorphae*
 - Deuterostomia*
 - Ambulacraria*
 - Hemichordata*
 - Enteropneusta*
 - Pterobranchia*
 - Pan-Echinodermata*
 - Echinodermata*
 - Edrioasterida*[†]
 - Isorophida*[†]
 - Isorophina*[†]
 - Agelacrinitidae*[†]
 - Lepidodiscina*[†]
 - Discocystinae*[†]
 - Chordata*
 - Cephalochordata*
 - Tunicata*
 - [Vertebrata]* [see Section 6]

SECTION 6 (*Vertebrata*)

[Vertebrata]

Pan-Gnathostomata
Apo-Gnathostomata
Gnathostomata
Pan-Osteichthyes
Osteichthyes
Pan-Actinopterygii
Actinopterygii
Pan-Actinopteri
Actinopteri
Pan-Neopterygii
Neopterygii
Pan-Teleostei
Teleostei
Ostariophysi
Otophysi
Pan-Siluriformes
Siluriformes

[Pan-Sarcopterygii/Sarcopterygii]
Stegocephali
Labyrinthodontia
Anthracosauria[†]
Seymouriamorpha[†]
Tetrapoda
Amphibia
Lissamphibia
Gymnophiona
Caudata
Pan-Amniota
Amniota
Pan-Mammalia / Synapsida [see Section 7]
Reptilia [see Section 8]

Section 7 (*Pan-Mammalia*)

*Pan-Mammalia*¹
*Synapsida*¹
Therapsida
Cynodontia
*Mammalia**morpha*
*Mammalia**formes*
Mammalia
Pan-Monotremata
Monotremata
[Theria/Placentalia]
Pan-Xenarthra
Xenarthra
Scandentia
Pan-Primates
Primates
Apo-Chiroptera
Chiroptera
Yinpterochiroptera
Yangochiroptera
Ungulata

Artiodactyla
Pan-Cetacea
Cetacea
Pan-Bovidae
Cavicornia
Bovidae
Bovinae
Antilopinae
Pan-Carnivora
Carnivora
Pan-Feliformia
Feliformia
Pan-Caniformia
Caniformia
Pan-Arctoidea
Arctoidea
Pan-Pinnipedia
Pinnipedia

SECTION 8 (Reptilia)

Reptilia
Diapsida
Pan-Testudines
Testudinata
Testudines
Pan-Pleurodira
Pleurodira
Pan-Cryptodira
Cryptodira
Sauria
Pan-Lepidosauria
Lepidosauria
Pan-Squamata
Squamata
Mosasauridae[†]
Pan-Gekkota
Gekkota
Pan-Amphisbaenia
Amphisbaenia
Pan-Serpentes
Serpentes
Pan-Iguania
Iguania
Pan-Iguanidae
Iguanidae
Pan-Acrodonta
Acrodonta
Pan-Archosauria
Archosauromorpha
Archosauriformes
Archosauria
Pterosauriformes[†]
Pterosauria[†]

Pterodactyloidea[†]
Dinosauria
Saurischia
Sauropodomorpha[†]
Theropoda
Aves
Galloanserae
[Neoaves]
Cuculidae
Mirandornithes
Charadriiformes
Procellariiformes
Strigiformes
Picidae
Psittaciformes
Daedalornithes
Apodiformes

de Queiroz, K., P. D. Cantino, and J. A. Gauthier (eds.) 2020. *Phylonyms: A Companion to the Phylocode*. CRC Press, Taylor & Francis Group, Boca Raton, London, and New York.

¹The names *Pan-Mammalia* and *Synapsida* are potentially synonymous.