Timetree of Life: Evolutionary Tree -- Table of Contents


This is a work in progress, please help us improve our dataset by sending comments, and suggestions to James Ogg (jogg@purdue.edu), Purdue University

Main Source: The Timetree of Life (Hedges, S.B., and Kumar, S., editors), Oxford Univ. Press, 2009.

Three output versions --

Tree for each Group
Merged Tree for each of 3 Kingdoms (Microbes, Plants, Animals)
MegaTree (single one for all life)

Tree for each Group -- sets (note, some trees are "overviews")

Microbes

Earliest Life (includes Archaebacteria)
Eubacteria
Eukaryota
Haptophyte Algae (Haptophyta)
Diatoms (Bacillariophyta)

Plants

Land Plants (Embryophyta)
Mosses (Bryophyta)
Liverworts (Marchantiophyta)
Ferns
Gymnosperms
Flowering Plants (Magnoliophyta)
  Magnoliids
  Eudicots
    Asterids
    Eurosid I
    Eurosid II
  Monocots

Fungi
Animals (Metazoa)

Cnidarians (Cnidaria)

Scaphopod Mollusks (Scaphopoda)

Cephalopod Mollusks (Cephalopoda)

Nematodes (Nematoda)

Sea Urchins (Echinoidea)

Arthropods (Arthropoda)

Spiders (Araneae)

Holometabolous Insects (Holometabola)

Bees, Ants, and Stinging Wasps (Aculeata)

True Flies (Diptera)

Beetles (Coleoptera)

Lacewings (Neuroptera)

Stalked and Acorn Barnacles (Thoracica)

Crabs, Shrimps, and Lobsters (Decapoda)

Fish

Jawless Fishes (Cyclostomata)

Cartilaginous Fishes (Chondrichthyes)

Ray-finned Fishes (Actinopterygii)

Overview

Sturgeons and Paddlefishes (Acipenseriformes)

Teleost Fishes (Teleostei)

Overview

Cod Icefishes (Notothenioidei)

Labyrinth Fishes (Anabantoidei)

Lungfishes (Dipnoi)

Amphibians (Lissamphibia)

Overview

Frogs and Toads (Anura)

Salamanders (Caudata)

Caecilians (Gymnophiona)

Amniotes and Reptiles

Amniotes (overview)
Lizards, Snakes, and Amphisbaenians (Squamata)
Snakes (Serpentes)

Turtles (Testudines)
Crocodilians (Crocodylia)

**Birds (Aves)**

Overview
Ratites and Tinamous (Paleognathae)
Waterfowl and Gamefowl (Galloanserae)
Advanced Birds (Neoaves)
  - Passerine Birds (Passeriformes)
  - Shorebirds (Charadriiformes)
  - Diurnal Birds of Prey (Falconiformes)
  - Cranes, Rails, And Allies (Gruiformes)
  - Woodpeckers, Toucans, Barbets, and Allies (Piciformes)
  - Owls (Strigiformes)
  - Swifts, Treeswifts, and Hummingbirds (Apodiformes)

**Mammals (Mammalia)**

Overview
Monotremes (Prototheria)
Marsupials (Metatheria)
Placental Mammals (Eutheria)

Overview
  - Armadillos, Anteaters, and Sloths (Xenarthra)
  - Tenerecs and Golden Moles (Afrosoricida)
  - Primates (Primates)
  - Pikas, Hares, and Rabbits (Lagomorpha)
  - Rodents (Rodentia)
  - Hedgehogs, Shrews, Moles, and Solenodons (Eulipotyphla)
  - Bats (Chiroptera)
  - Carnivores (Carnivora)
  - Rhinoceroses, Tapirs, and Horses (Perissodactyla)
  - Whales and Even-Toed Ungulates (Cetartiodactyla)