| Bacteria Eukaryota | |
|--|---|
| Firmicutes - Metazoa - Chordata - Craniata - | - |
| Vertebrata Euteleostomi Bacilli Clostridia | |
| Clostridiales Lactobacillales Actinobacteria Lactobacillaceae | |
| Lacticaseibacillus Proteobacteria Mammalia | |
| Eutheria Gammaproteobacteria Peptostreptococcaceae Euarchontoglires | |
| Micrococcales Actinopterygii Neopterygii Teleostei | |
| Alveolata Apicomplexa Clostridiaceae | - |
| Sar Clostridium Clostridioides Laurasiatheria | |
| Bacillales Microbacteriaceae Aconoidasida Archelosauria | |
| Archosauria Neoteleostei Acanthomorphata Dinosauria | - |
| Saurischia Theropoda Coelurosauria | - |
| Aves - Primates - Haplorrhini - Haemosporida - | |
| Haemosporida Plasmodiidae Plasmodium Neognathae Bacillaceae | - |
| Ecdysozoa Lepidosauria Squamata | |
| Bifurcata Arthropoda Catarrhini Pseudomonadales | |
| Pseudomonas Pseudomonadaceae Glires Rodentia | - |
| Bacteroidetes Gekkota Enterobacterales Alphaproteobacteria | |
| Enterobacteriaceae Flavobacteriia Flavobacteriales | |
| Actinomycetaceae Actinomycetales Hominidae Peptococcaceae | |
| Gekkonidae Mus Gekkoninae Myomorpha | - |
| Artiodactyla Muroidea Flavobacteriaceae Mobiluncus | |
| Bacillus - Escherichia - Caulobacterales - | - |
| Caulobacteraceae Hexapoda Insecta Pterygota | - |
| Neoptera Plasmodium (Plasmodium) Tissierellia Ovalentaria | |
| Tissierellales Peptoniphilaceae Homo Muridae | |
| Spiralia Murinae | |
| Lophotrochozoa - Nitriliruptoria - Finegoldia - Conoidasida - Coccidia - Cocc | - |
| Eucoccidiorida Eimeriorina Plasmodium (Laverania) Deltaproteobacteria | |
| Peptostreptococcus Carnivora Euzebyales | |
| Eupercaria Protacanthopterygii Desulfosporosinus Propionibacteriales | |
| Myxococcales Mollusca Salmoniformes Salmonidae | - |
| Salmoninae Holometabola Piroplasmida Babesia | - |
| Babesiidae Crustacea Cetacea | |
| Whippomorpha Cercopithecidae Bivalvia Autobranchia | |
| Pteriomorphia Ornithinimicrobiaceae Ostariophysi Vibrionaceae | - |
| Vibrionales Odontoceti Propionibacteriaceae Passeriformes | - |
| Rathayibacter Brevundimonas Vibrio Atherinomorphae | |
| Cercopithecinae Chiroptera Multicrustacea | |
| Cutibacterium Galloanserae Alteromonadales Pecora | |
| Ruminantia Sarcocystidae Archaea Desulfitobacterium | |
| Betaproteobacteria Caniformia Herbiconiux Feliformia | |
| Cyprinodontiformes Cystobacterineae Planococcaceae Galliformes | |
| Perciformes Oceanospirillales Caulobacter | |
| Microchiroptera Felidae Bovidae Kineosporiales | |
| Kineosporiaceae Ornithinimicrobium Hystricomorpha Bovinae | |
| Cypriniformes - Leifsonia - Oncorhynchus - | |
| Mytilidae Mytilinae Chelicerata Mytiloidea | |
| Mytiloida Cellvibrionales Mytilus Burkholderiales | |
| Microbacterium Arachnida Unidentata Viridiplantae | |
| Streptophyta Embryophyta Tracheophyta | |
| Episquamata Cichlomorphae Cichliformes Cichlidae | |
| unclassified Euzebya Spermatophyta Streptomycetales Coriobacteriia | |
| Streptomycetaceae Vespertilionidae Myxococcaceae | -B |
| 1 | 10 ² 10 ³ 10 ⁴ 10 ⁵ Number of proteins |