

Systema Naturae*

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Regnum Monera [⁷*Bacillus*]

/Bacteria

Subregnum *Bacteria* [^{6,8}*Bacillus*]¹

Superphylum *Posibacteria* [^{6,2}*Bacillus*] stat.m.

Phylum 1. FIRMICUTES [⁶*Bacillus*]²

- Classis 1(1). *Thermotogae* [⁵*Thermotoga*] i.s.
- 2(2). *Mollicutes* [⁵*Mycoplasma*]
- 3(3). *Clostridia* [⁵*Clostridium*]³
- 4(4). *Bacilli* [⁵*Bacillus*]
- 5(5). *Symbiobacteres* [⁵*Symbiobacterium*]

Phylum 2. ACTINOBACTERIA [⁶*Actinomyces*]

- Classis 1(6). *Actinobacteres* [⁵*Actinomyces*]

Phylum 3. HADOBACTERIA [⁶*Deinococcus*] sed.m.

- Classis 1(7). *Hadobacteres* [⁵*Deinococcus*]⁴

Superphylum *Negibacteria* [^{6,2}*Rhodospirillum*] stat.m.

Phylum 4. CHLOROBACTERIA [⁶*Chloroflexus*]⁵

- Classis 1(8). *Ktedonobacteres* [⁵*Ktedonobacter*] sed.m.
- 2(9). *Thermomicrobia* [⁵*Thermomicrobium*]
- 3(10). *Chloroflexi* [⁵*Chloroflexus*]

*Only recent taxa. Viruses are not included. Abbreviations and signs: sed.m. (sedis mutabilis); stat.m. (status mutabilis); s., aut i. (superior, aut interior); i.s. (incertae sedis); sed.p. (sedis possibilis); s.str. (sensu stricto); s.l. (sensu lato); incl. (inclusum); excl. (exclusum); “quotes” for environmental groups; * (asterisk) for paraphyletic taxa; / (slash) at margins for major clades (“domains”).

¹Incl. “Nanobacteria” i.s. et dubitativa, “OP11 group” i.s.

²Incl. “TM7” i.s., “OP9”, “OP10”.

³Incl. Dictyoglomi sed.m., Fusobacteria, Thermolithobacteria.

⁴= *Deinococcus-Thermus*.

⁵Incl. *Thermobaculum* i.s.

- 4(11). *Dehalococcoidetes* [⁵*Dehalococcoides*]
5(12). *Anaerolineae* [⁵*Anaerolinea*]⁶

Phylum 5. CYANOBACTERIA [⁶*Nostoc*]

- Classis 1(13). *Gloeobacteres* [⁵*Gloeobacter*]
2(14). *Chroobacteres* [⁵*Chroococcus*]⁷
3(15). *Hormogoneae* [⁵*Nostoc*]

Phylum 6. BACTEROIDOBACTERIA [⁶*Bacteroides*]⁸

- Classis 1(16). *Fibrobacteres* [⁵*Fibrobacter*]
2(17). *Chlorobi* [⁵*Chlorobium*]
3(18). *Salinibacteres* [⁵*Salinibacter*]
4(19). *Bacteroidetes* [⁵*Bacteroides*]⁹

Phylum 7. SPIROBACTERIA [⁶*Spirochaeta*]

- Classis 1(20). *Spirochaetes* [⁵*Spirochaeta*] s.l.¹⁰

Phylum 8. PLANCTOBACTERIA [⁶*Planctomyces*]¹¹

- Classis 1(21). *Gemmatimonadetes* [⁵*Gemmatimonas*] sed.m.
2(22). “*Poribacteria*” [⁵“*Poribacter*”]
3(23). *Lentisphaerae* [⁵*Lentisphaera*]
4(24). *Verrucomicrobiae* [⁵*Verrucomicrobium*]¹²
5(25). *Chlamydiae* [⁵*Chlamydia*]
6(26). *Planctobacteres* [⁵*Planctomyces*]

Phylum 9. ENDOMICROBIA [⁶*Endomicrobium*] sed.m.

- Classis 1(27). *Endomicrobes* [⁵*Endomicrobium*]¹³

Phylum 10. PROTEOBACTERIA s.l. [⁶*Rhodospirillum*]

- Classis 1(28). *Aquificae* [⁵*Aquifex*] i.s.¹⁴
2(29). *Thiobacteres* [⁵*Desulfobacter*]¹⁵
3(30). *Rhodobacteres* [⁵*Rhodospirillum*]¹⁶
4(31). *Geobacteres* [⁵*Synergistes*] sed.m.¹⁷
5(32). *Acidobacteres* [⁵*Acidobacterium*] sed.m.

⁶Incl. Caldilineae.

⁷Incl. Prochlorophyceae, *Acaryochloris*.

⁸Incl. “TG3”.

⁹Incl. Flavobacteria, Spingobacteria.

¹⁰Incl. *Leptospira*.

¹¹Incl. “OP3”, *Ovibacter* i.s.

¹²Incl. Opitutae, Spartobacteria.

¹³= “TG1”.

¹⁴Incl. Desulphurobacteriaceae.

¹⁵Incl. Deltaproteobacteria, Epsilonproteobacteria, Thermodesulfobacteria sed.m.

¹⁶Incl. Alphaproteobacteria, Betaproteobacteria, Gammaproteobacteria.

¹⁷Incl. Chrysiogenetes, Nitrospira, *Calditrix*, Deferribacteres, Synergistetes.

Subregnum *Archaeobacteria* [^{6,8}*Methanobacterium*]

/Archaea

Phylum 11. NANOARCHAEOTA [⁶*Nanoarchaeum*] stat.m.

Classis 1(33). *Nanoarchaea* [⁵*Nanoarchaeum*]

Phylum 12. EURYARCHAEOTA [⁶*Methanobacterium*]

Classis 1(34). *Thermococci* [⁵*Thermococcus*]

2(35). *Methanobacterii* [⁵*Methanobacterium*] s.l.¹⁸

3(36). *Thermoplasmata* [⁵*Thermoplasma*]

4(37). *Archaeoglobi* [⁵*Archaeoglobus*]

5(38). *Halomethanomicrobii* [⁵*Halobacterium*]¹⁹

Phylum 13. KORARCHAEOTA [⁶*Korarchaeum*] stat.m.

Classis 1(39). *Korarchaea* [⁵*Korarchaeum*]

Phylum 14. THAUMARCHEOTA [⁶*Cenarchaeum*]

Classis 1(40). *Cenarchaea* [⁵*Cenarchaeum*]

Phylum 15. CRENARCHAEOTA [⁶*Sulfolobus*]

Classis 1(41). *Thermoprotei* [⁵*Thermoproteus*]

2(42). *Sulfolobea* [⁵*Sulfolobus*]²⁰

Regnum Protista [⁷*Euglena*]*

Subregnum *Unikonta* [^{6,8}*Amoeba*]

/Pananimalia

Superphylum *Opisthokonta* [^{6,2}*Agaricus*]

Phylum 16. CHOANAZOA [⁶*Sphaeroeca*] s.l.

Classis 1(43). *Filasterea* [⁵*Capsaspora*]²¹

2(44). *Choanomomadea* [⁵*Sphaeroeca*]

3(45). *Ichthyosporea* [⁵*Ichthyophonus*]²²

4(46). *Nuclearia* [⁵*Nuclearia*]²³

Phylum 17. EOMYCOTA [⁶*Mucor*]* s.l.

Classis 1(47). *Chytridiomycetes* [⁵*Chytridium*]²⁴

2(48). *Blastocladiomycetes* [⁵*Blastocladium*]

3(49). *Rozellomycetes* [⁵*Rozella*]²⁵

¹⁸Incl. Methanobacteriales, Methanococcales stat.m., Methanopyrales i.s.

¹⁹Incl. Methanomicrobiales, Methanosarcinales, Halobacteriales.

²⁰Incl. Desulfurococcales.

²¹Incl. *Ministeria*.

²²Incl. *Amoebidium*, Eccrinales, Aphelidea, *Corallochytrium*.

²³Incl. Nucleariidae, Pompholyxophryidae sed.m.

²⁴Incl. Neocallimastigales.

²⁵Incl. *Olpidium* et *Caulochytrium* sed.m.

- 4(50). *Kickxellomycetes* [⁵*Kickxella*]²⁶
 5(51). *Mucoromycetes* [⁵*Mucor*]²⁷
 6(52). *Glomeromycetes* [⁵*Glomus*]

Phylum 18. MICROSPORIDIA [⁶*Microsporidium*]

- Classis 1(53). *Microsporea* [⁵*Microsporidium*]²⁸

Phylum 19. BASIDIOMYCOTA [⁶*Agaricus*]

Subphylum *Ustilagomycotina* [^{5,8}*Ustilago*]

- Classis 1(54). *Entorrhizomycetes* [⁵*Entorrhiza*] sed.m.
 2(55). *Wallemiomycetes* [⁵*Wallemia*] sed.m.
 3(56). *Exobasidiomycetes* [⁵*Exobasidium*]
 4(57). *Ustilaginomycetes* [⁵*Ustilago*]

Subphylum *Pucciniomycotina* [^{5,8}*Puccinia*]

- Classis 5(58). *Pucciniomycetes* [⁵*Puccinia*]
 6(59). *Atractiellomycetes* [⁵*Atractiella*]
 7(60). *Cystobasidiomycetes* [⁵*Cystobasidium*]
 8(61). *Agaricostilbomycetes* [⁵*Agaricostilbum*]
 9(62). *Microbotryomycetes* [⁵*Microbotryum*]²⁹
 10(63). *Mixiomycetes* [⁵*Mixia*]

Subphylum *Agaricomycotina* [^{5,8}*Agaricus*]

- Classis 11(64). *Tremellomycetes* [⁵*Tremella*]
 12(65). *Dacrymycetes* [⁵*Dacrymyces*]
 13(66). *Agaricomycetes* [⁵*Agaricus*]

Phylum 20. ASCOMYCOTA [⁶*Ascomyces*]

Subphylum *Taphrinomycotina* [^{5,8}*Ascomyces*]^{*30}

- Classis 1(67). *Taphrinomycetes* [⁵*Ascomyces*]³¹
 2(68). *Schizosaccharomycetes* [⁵*Schizosaccaromyces*]³²
 3(69). *Saccharomycetes* [⁵*Saccaromyces*]
 4(70). *Neoelectomycetes* [⁵*Neoelecta*]

Subphylum *Pezizomycotina* [^{5,8}*Peziza*]

- Classis 5(71). *Orbiliomycetes* [⁵*Orbililia*]
 6(72). *Pezizomycetes* [⁵*Peziza*]
 7(73). *Dothideomycetes* [⁵*Dothidea*]³³

²⁶Incl. Basidiobolaceae, Harpellales, Asellariales, Zoopagales, Entomophthorales, *Nephridiophaga*.

²⁷Incl. Endogonales, Mortierellales.

²⁸Incl. Metchnikovellida sed.m., *Mikrocytos mackini* sed.m.

²⁹Incl. Cryptomycocolacales, Classiculales.

³⁰Incl. "SCGI" group.

³¹Incl. *Saitoella*.

³²Incl. *Pneumocystis*.

³³Incl. Arthoniales.

- 8(74). *Eurotiomycetes* [⁵*Penicillium*]
 9(75). *Lecanoromycetes* [⁵*Lecanora*]³⁴
 10(76). *Laboulbeniomycetes* [⁵*Laboulbenia*]
 11(77). *Leotiomycetes* [⁵*Leotia*]
 12(78). *Sordariomycetes* [⁵*Sordaria*]

Superphylum *Amoeba* [^{6.2}*Amoeba*]

Phylum 21. AMOEBOZOA [⁶*Amoeba*]³⁵

Subphylum ***Lobosea*** [^{5.8}*Amoeba*]

- Classis 1(79). *Tubulinea* [⁵*Amoeba*]³⁶
 2(80). *Stereomyxida* [⁵*Stereomyxa*]
 3(81). *Acanthamoebidae* [⁵*Acanthamoeba*]³⁷
 4(82). *Flabellinea* [⁵*Vannella*]³⁸

Subphylum ***Conosea*** [^{5.8}*Physarum*]³⁹

- Classis 5(83). *Phalansterea* [⁵*Phalansterium*]
 6(84). *Multiciliatea* [⁵*Multicilia*]
 7(85). *Filamoebae* [⁵*Filamoeba*]⁴⁰
 8(86). *Masigamoebidae* [⁵*Mastigamoeba*]⁴¹
 9(87). *Mycetozoa* [⁵*Physarum*]⁴²

Subregnum ***Apusobionta*** [^{6.8}*Apusomonas*] stat.m.

/Panplantae

Phylum 22. APUSOZOA [⁶*Apusomonas*] s.l.

- Classis 1(88). *Apusomonadea* [⁵*Apusomonas*]⁴³
 2(89). *Breviatea* [⁵*Breviata*]
 3(90). *Anisomonadea* [⁵*Diphylleia*] i.s.⁴⁴

Subregnum ***Excavata*** [^{6.8}*Euglena*]

Phylum 23. METAMONADA [⁶*Trichomonas*] s.l.

- Classis 1(91). *Preaxostyla* [⁵*Oxymonas*]⁴⁵
 2(92). *Fornicata* [⁵*Hexamita*]⁴⁶

³⁴Incl. Lichniales.

³⁵Incl. 'X-cells' i.s.

³⁶Incl. Copromyxidae sed.m., *Fonticula* sed.m

³⁷Incl. *Mayorella*.

³⁸Incl. *Cochliopodium* i.s.

³⁹Incl. *Trichosphaerium* i.s., *Arachnula* i.s.

⁴⁰Incl. *Acramoeba*.

⁴¹Incl. *Pelomyxa*, *Entamoeba*, *Endolimax*, *Endamoeba*.

⁴²Protostelia stat.m., Dictyostelia, *Ceratiomyxa*.

⁴³Incl. *Amastigomonas*, *Apusomonas*, *Ancyromonas*, *Micronuclearia* sed.m.

⁴⁴Incl. *Diphylleia*, *Collodictyon*, *Sulcomonas*.

⁴⁵Incl. Oxymonadida, *Trimastix*.

⁴⁶Incl. Retortamonadida, Diplomonadida, *Carpediemonas*, *Dysnectes*.

3(93). *Parabasalea* [⁵*Trichomonas*]⁴⁷

Phylum 24. EUGLENOZOA [⁶*Euglena*] s.l.

- Classis 1(94). *Malawimonadea* [⁵*Malawimonas*] sed.m.
2(95). *Jacoba* [⁵*Jacoba*]⁴⁸
3(96). *Heterolobosea* [⁵*Acrcasis*]⁴⁹
4(97). *Hemimastigea* sed.m. [⁵*Hemimastix*]⁵⁰
5(98). *Euglenophyceae* [⁵*Euglena*]⁵¹
6(99). *Kinetoplastea* [⁵*Bodo*]⁵²

Subregnum *Chlorobionta* [^{6,8}*Volvox*]

Superphylum *Rhizaria* [^{6,2}*Cercomonas*]

Phylum 25. CERCOZOA [⁶*Cercomonas*] s.l.⁵³

Subphylum *Radiolaria* [^{5,8}*Acanthometra*]

- Classis 1(100). *Spumellaria* [⁵*Dictycoryne*]⁵⁴
2(101). *Acantharia* [⁵*Acanthometra*]
3(102). *Polycystinea* [⁵*Collosphaera*] s.str.⁵⁵

Subphylum *Retaria* [^{5,8}*Gromia*]

- Classis 4(103). *Foraminifera* [⁵*Globigerina*]⁵⁶
5(104). *Ascetosporea* [⁵*Haplosporidium*]⁵⁷
6(105). *Gromia* [⁵*Gromia*]⁵⁸
7(106). *Plasmodiophorea* [⁵*Plasmodiophora*]⁵⁹

Subphylum *Monadofilosea* [^{5,8}*Cercomonas*]

- Classis 8(107). *Chlorarachniophyceae* [⁵*Chlorarachnion*]⁶⁰
9(108). *Proteomyxidea* [⁵*Dimorpha*]⁶¹
10(109). *Sarcomonadida* [⁵*Cercomonas*]*⁶²
11(110). *Thecofilosea* [⁵*Cryothecomonas*]⁶³

⁴⁷Incl. Trichomonadida, Hypermastigida.

⁴⁸Incl. *Andalucia*.

⁴⁹Incl. *Pleurostomum*, *Stephanopogon*.

⁵⁰Incl. *Spironema*, *Stereonema*, *Paramastix* sed.m.

⁵¹= Plicostoma; incl. Diplonemea.

⁵²Incl. *Calkinsia*, *Postgaardi*.

⁵³Incl. *Meteora* i.s.

⁵⁴Incl. *Sticholonche* sed.m.

⁵⁵Incl. Collodaria, Nassellarida.

⁵⁶Incl. Xenophyophorea, *Reticulomyxa*, *Komokiacea*, *Schizocladus*, *Corallomyxa* sed.m.

⁵⁷Incl. Paramyxidia, *Bonamia*, *Claustrosporidium*.

⁵⁸Incl. *Leucodictyon* sed.m., *Reticuloamoeba* sed.m.

⁵⁹Incl. *Phagomyxa*.

⁶⁰Incl. *Metromonas* stat.m.i.

⁶¹Incl. Desmothoracida, Gymnosphaerida, Dimorphida, Gymnophrea, *Pseudospora*, *Massisteria*.

⁶²Incl. *Metopion* sed.m., Sainouridae

⁶³Phaeodarea, Ebrriida, *Protaspis*.

12(111). *Imbricatea* [⁵*Euglypha*]⁶⁴

Superphylum *Chromista* [^{6.2}*Fucus*]

Phylum 26. LABYRINTHOMORPHA [⁶*Labyrinthula*]

Classis 1(112). *Labyrinthulea* [⁵*Labyrinthula*]⁶⁵

Phylum 27. BICOSOECOZOA [⁶*Bicosoeca*]

Classis 1(113). *Bicoecea* [⁵*Bicosoeca*]⁶⁶

Phylum 28. OPALAZOA [⁶*Opalina*]

Classis 1(114). *Blastocystea* [⁵*Blastocystis*]

2(115). *Opalina* [⁵*Opalina*]⁶⁷

3(116). *Actinophryida* sed.m. [⁵*Actinophrys*]⁶⁸

Phylum 29. OOMYCOTA [⁶*Saprolegnia*]

Classis 1(117). *Oomycetes* [⁵*Saprolegnia*]⁶⁹

Phylum 30. CHROMOPHYTA [⁶*Fucus*]

Classis 1(118). *Dictyochophyceae* [⁵*Dictyocha*]⁷⁰

2(119). *Pelagophyceae* [⁵*Pelagomonas*]⁷¹

3(120). *Bacillariophyceae* [⁵*Diatoma*] s.l.⁷²

4(121). *Chrysophyceae* [⁵*Chrysococcus*] s.l.⁷³

5(122). *Pinguiphyceae* [⁵*Pinguiochrysis*]

6(123). *Raphidophyceae* [⁵*Rhaphidomonas*]

7(124). *Phaeophyceae* [⁵*Fucus*] s.l.⁷⁴

Superphylum *Alveolata* [^{6.2}*Paramecium*]

Phylum 31. DINOZOA [⁶*Peridinium*] s.l.

Classis 1(125). *Apicomonadea* [⁵*Colpodella*]⁷⁵

2(126). *Chromerida* [⁵*Chromera*]

⁶⁴Incl. Spongomonadida, Thaumatomonadida.

⁶⁵Incl. *Diplophrys*, *Sorodiplophrys*, Thraustochytridiales, Labyrinthuloideales.

⁶⁶Incl. Placidiales (incl. *Wobbia*), Borokales, Anoecales (incl. *Cafeteria*, *Caecitellus*), Bicoceales, *Commation* sed.m., *Discoceles* sed.m., “MAST” groups.

⁶⁷Incl. Proteromonadida.

⁶⁸Sed.p. juxta Pedinellales.

⁶⁹Incl. *Developayella*, *Pirsonia*, Hyphochitriomycetales.

⁷⁰Incl. Pedinellales, Rhizochromulinales.

⁷¹Incl. Sarcinochrysidales.

⁷²= Khakista, incl. *Bolidomonas* stat.m.

⁷³= Limmista, incl. *Synchroma* stat.m., Eustigmatales stat.m., Picophagea stat.m. (*Picophagus*, *Chlamydomyxa*), *Oikomonas*, *Paraphysomonas*.

⁷⁴= Fucistia, incl. Chrysomeridophyceae stat.m., Schizocladiphyceae, Xanthophyceae stat.m., Phaeothamniales, Aurearenophyceae.

⁷⁵Incl. *Colponema* sed.m. *Algovora*, *Voromonas*, *Aplphamonas*, *Chilovora*, *Colpodella*, *Acrocoelus*.

- 3(127). *Gregarinaea* [⁵*Gregarina*]⁷⁶
 4(128). *Sporozoa* s.str. [⁵*Plasmodium*]⁷⁷
 5(129). *Perkinsida* [⁵*Perkinsus*]⁷⁸
 6(130). *Ellobiopsea* [⁵*Ellobiopsis*]⁷⁹
 7(131). *Syndinea* [⁵*Syndinium*]⁸⁰
 8(132). *Oxyrridea* [⁵*Oxyrris*]
 9(133). *Dinoflagellata* [⁵*Peridinium*]⁸¹

Phylum 32. CILIOPHORA [⁶*Paramecium*]

Subphylum *Postciliodesmatophora* [^{5,8}*Stentor*]

- Classis 1(134). *Karyorelictea* [⁵*Loxodes*]
 2(135). *Heterotrichea* [⁵*Stentor*]

Subphylum *Intramacronucleata* [^{5,8}*Paramecium*]

- Classis 3(136). *Spirotrichea* [⁵*Stylonychia*]⁸²
 4(137). *Armophorea* [⁵*Clevelandella*]
 5(138). *Litostomatea* [⁵*Didinium*]
 6(139). *Phyllopharyngea* [⁵*Ephelota*]⁸³
 7(140). *Nassophorea* [⁵*Nassula*]
 8(141). *Colpodea* [⁵*Colpoda*]
 9(142). *Prostomatea* [⁵*Prorodon*]
 10(143). *Plagiopylea* [⁵*Plagiopyla*]
 11(144). *Oligohymenophorea* [⁵*Paramecium*]

Superphylum *Cryptobionta* [^{6,2}*Cryptomonas*]

Phylum 33. CENTROHELIDA [⁶*Raphidiophrys*] sed.m.

- Classis 1(145). *Holosea* [⁵*Luffisphaera*] i.s.⁸⁴
 2(146). *Centrohelea* [⁵*Raphidiophrys*]⁸⁵

Phylum 34. HAPTOPHYTA [⁶*Prymnesium*]

- Classis 1(147). *Prymnesiophyceae* [⁵*Prymnesium*]⁸⁶

Phylum 35. CRYPTOPHYTA [⁶*Cryptomonas*] s.l.

- Classis 1(148). *Cryptophyceae* [⁵*Cryptomonas*]⁸⁷

⁷⁶Incl. *Rhytidocystis* stat.m., *Cryptosporidium* sed.m., *Selenidium*.

⁷⁷Incl. Coccidia sed.m., Piroplasmida, Haemosporidia, *Nephromyces*.

⁷⁸Incl. *Perkinsus*, *Rastrimonas*, *Parvilucifera*, *Phagodinium*.

⁷⁹Incl. *Ellobiocystis*, *Parallobiopsis*, *Rhizellobiopsis*, *Thalassomyces*.

⁸⁰Incl. Syndiniales ("Marine Alveolate Group II"), Dubosquellaceae ("Marine Alveolate Group I").

⁸¹Incl. *Noctiluca*.

⁸²Incl. *Protocruzia*, *Phacodinium*, *Lycnophora*.

⁸³Incl. Suctoria.

⁸⁴Incl. *Paraluffisphaera*.

⁸⁵Incl. 'microheliozoan'.

⁸⁶Incl. Pavlovophyceae.

⁸⁷Incl. *Goniomonas*.

- 2(149). *Katablepharidea* [⁵*Katablepharis*] sed.m.⁸⁸
 3(150). “*Biliphyta*” [⁵“*Biliphyta*”]⁸⁹
 4(151). *Telonemia* [⁵*Telonema*] stat.m.

Superphylum *Archaeplastida* [^{6,2}*Volvox*]

Phylum 36. GLAUCOPHYTA [⁶*Glaucocystis*]

Classis 1(152). *Glaucophyceae* [⁵*Glaucocystis*]

Phylum 37. RHODOPHYTA [⁶*Bangia*]

Classis 1(153). *Cyanidiophyceae* [⁵*Cyanidium*]⁹⁰

2(154). *Rhodellophyceae* [⁵*Rhodella*]⁹¹

3(155). *Compsogonophyceae* [⁵*Compsopogon*]

4(156). *Bangiophyceae* [⁵*Bangia*]

5(157). *Florideophyceae* [⁵*Palmaria*]

Phylum 38. CHLOROPHYTA [⁶*Volvox*]* s.l.

Classis 1(158). *Prasinococcophyceae* [⁵*Prasinococcus*] stat.m.s.

2(159). *Prasinophyceae* [⁵*Prasinomonas*]⁹²

3(160). *Pedinophyceae* [⁵*Pedinomonas*] stat.m.s.

4(161). *Tetraphyceae* [⁵*Tetraselmis*]

5(162). *Trebouxiophyceae* [⁵*Chlorella*]⁹³

6(163). *Ulvophyceae* [⁵*Ulva*]

7(164). *Chlorophyceae* [⁵*Volvox*]⁹⁴

8(165). *Charophyceae* [⁵*Chara*]⁹⁵

Regnum Vegetabilia [⁷*Magnolia*]

Phylum 39. BRYOPHYTA [⁶*Bryum*]*

Subphylum *Hepaticae* [^{5,8}*Marchantia*]

Classis 1(166). *Haplomitriopsida* [⁵*Haplomitrium*]⁹⁶

2(167). *Blasiopsida* [⁵*Blasia*]

3(168). *Marchantiopsida* [⁵*Marchantia*]⁹⁷

4(169). *Pelliopsida* [⁵*Pellia*]⁹⁸

5(170). *Jungermanniopsida* [⁵*Jungermannia*]

⁸⁸Incl. *Leucocryptos*, *Platytilomonas*, *Hatena*.

⁸⁹Incl. “Picobiliphyta”

⁹⁰Incl. *Cyanidium*, *Galdieria*, *Glaucosphaera*.

⁹¹Incl. *Stylonematophyceae*, *Porphyridiophyceae*.

⁹²Incl. *Pyraminomonadales*, *Picnococcaceae*, *Mamiellales*, *Picocystis*, *Nephroselmidiaceae*.

⁹³Incl. *Helicosporidium*.

⁹⁴Incl. *Geminella*.

⁹⁵Incl. *Mesostigma*, *Conjugatophyceae*.

⁹⁶Incl. *Treubiales* stat.m.

⁹⁷Incl. *Sphaerocarpaceae*, *Monocleales*.

⁹⁸Incl. *Fossombroniales*, *Pallaviciniales*, *Hymenophytales*.

Subphylum *Bryophytina* [^{5,8}*Bryum*]

- Classis 6(171). *Takakiopsida* [⁵*Takakia*]
- 7(172). *Sphagnopsida* [⁵*Sphagnum*]⁹⁹
- 8(173). *Andreaeopsida* [⁵*Andreaea*]¹⁰⁰
- 9(174). *Polytrichopsida* [⁵*Polytrichum*]*¹⁰¹
- 10(175). *Bryopsida* [⁵*Bryum*]¹⁰²

Subphylum *Anthocerotophytina* [^{5,8}*Anthoceros*]

- Classis 11(176). *Anthocerotopsida* [⁵*Anthoceros*]¹⁰³

Phylum 40. PTERIDOPHYTA [⁶*Pteris*]*

Subphylum *Lycopodiophytina* [^{5,8}*Lycopodium*]

- Classis 1(177). *Lycopodiopsida* [⁵*Lycopodium*]¹⁰⁴

Subphylum *Pteridophytina* [^{5,8}*Pteris*]

- Classis 2(178). *Psilotopsida* [⁵*Psilotum*]
- 3(179). *Ophioglossopsida* [⁵*Ophioglossum*]
- 4(180). *Equisetopsida* [⁵*Equisetum*]
- 5(181). *Marattiopsida* [⁵*Marattia*]
- 6(182). *Pteridopsida* [⁵*Pteris*]

Phylum 41. SPERMATOPHYTA [⁶*Magnolia*] s.l.

- Classis 1(183). *Cycadopsida* [⁵*Cycas*]
- 2(184). *Ginkgoopsida* [⁵*Ginkgo*]
- 3(185). *Gnetopsida* [⁵*Gnetum*]
- 4(186). *Pinopsida* [⁵*Pinus*]¹⁰⁵
- 5(187). *Angiospermae* [⁵*Magnolia*]

Regnum Animalia [⁷*Felis*] ¹⁰⁶

/Pananimalia

Subregnum *Spongia* [^{6,8}*Spongia*]

Phylum 42. SILICEA [⁶*Spongia*]

- Classis 1(188). *Hexactinellea* [⁵*Euplectella*]
- 2(189). *Demospongia* s.str. [⁵*Spongia*]

Phylum 43. CALCISPONGIA [⁶*Sycon*]

- Classis 1(190). *Calcarea* [⁵*Sycon*]

⁹⁹Incl. *Ambuchanania*.

¹⁰⁰Incl. *Andreaeobryum*.

¹⁰¹Incl. Oedipodiales stat.m., Tetrarhizales.

¹⁰²Incl. Buxbaumiales, Diphysciales.

¹⁰³Incl. Leiosporocerotopsida stat.m.

¹⁰⁴Incl. Isoetopsida stat.m.

¹⁰⁵Incl. Cupressopsida.

¹⁰⁶Incl. *Salinella* i.s. et dubitativa.

Phylum 44. HOMOSCLEREA [⁶*Oscarella*] stat.m.
Classis 1(191). *Homoscleromorpha* [⁵*Oscarella*]

Subregnum *Phagocytellozoa* [^{6,8}*Trichoplax*]

Phylum 45. PLACOZOA [⁶*Trichoplax*]
Classis 1(192). *Trichoplacoidea* [⁵*Trichoplax*]

Subregnum *Cnidaria* [^{6,8}*Hydra*]

Phylum 46. ANTHOZOA [⁶*Actinia*] stat.m.
Classis 1(193). *Zoantharia* [⁵*Actinia*]
2(194). *Alcyonaria* [⁵*Alcyonium*]

Phylum 47. MEDUSOZOA [⁶*Hydra*]*
Classis 1(195). *Staurozoa* [⁵*Lucernaria*]
2(196). *Cubozoa* [⁵*Carybdea*]
3(197). *Scyphozoa* [⁵*Aurelia*]
4(198). *Hydrozoa* [⁵*Hydra*]
5(199). *Polypodiozoa* [⁵*Polypodium*] stat.m.

Phylum 48. MYXOZOA [⁶*Myxidium*]
Classis 1(200). *Malacosporea* [⁵*Tetracapsula*]¹⁰⁷
2(201). *Myxosporea* [⁵*Myxidium*]¹⁰⁸

Subregnum *Acnidaria* [^{6,8}*Beroe*]

Phylum 49. CTENOPHORA [⁶*Beroe*]
Classis 1(202). *Ctenophoroidea* [⁵*Beroe*]¹⁰⁹

Subregnum *Eumetazoa* [^{6,8}*Felis*]

Infraegnum *Anephrozoa* [^{6,5}*Convoluta*] stat.m.s.

Phylum 50. ACOELOMORPHA [⁶*Convoluta*]* s.l.
Classis 1(203). *Acoela* [⁵*Convoluta*]
2(204). *Nemertodermatida* [⁵*Nemertoderma*]

Phylum 51. XENOTURBELLIDA [⁶*Xenoturbella*] sed.m.
Classis 1(205). *Xenoturbelloidea* [⁵*Xenoturbella*]

¹⁰⁷= *Tetracapsula*, *Buddenbrockia*.

¹⁰⁸= Actinomyxidia.

¹⁰⁹Incl. Tentaculifera, Nuda.

Infraregnum Deuterostomia [^{6.5}*Felis*]

Phylum 52. ECHINODERMATA [⁶*Echinus*]

- Classis 1(206). *Crinoidea* [⁵*Metacrinus*]
- 2(207). *Ophiuroidea* [⁵*Ophiura*]
- 3(208). *Asteroidea* [⁵*Asterias*]¹¹⁰
- 4(209). *Echinoidea* [⁵*Echinus*]
- 5(210). *Holothurioidea* [⁵*Holothuria*]

Phylum 53. HEMICHORDATA [⁶*Balanoglossus*]¹¹¹

- Classis 1(211). *Enteropneusta* [⁵*Balanoglossus*]
- 2(212). *Pterobranchia* [⁵*Rhabdopleura*]

Phylum 54. CHORDATA [⁶*Felis*] s.l.

Subphylum Cephalochordata [^{5.8}*Branchiostoma*]

- Classis 1(213). *Leptocardii* [⁵*Branchiostoma*]

Subphylum Vertebrata [^{5.8}*Felis*]

- Classis 2(214). *Cyclostomata* [⁵*Myxine*]
- 3(215). *Chondrichthyes* [⁵*Squalus*]
- 4(216). *Actinopterygii* [⁵*Perca*]
- 5(217). *Dipnoi* [⁵*Protopterus*]¹¹²
- 6(218). *Amphibia* [⁵*Rana*]
- 7(219). *Reptilia* [⁵*Gecko*]*
- 8(220). *Aves* [⁵*Gallus*] stat.m.s.
- 9(221). *Mammalia* [⁵*Felis*]

Subphylum Tunicata [^{5.8}*Ascidia*] stat.m.i.

- Classis 10(222). *Ascidacea* [⁵*Ascidia*]¹¹³

Infraregnum Protostomia [^{6.5}*Araneus*]

Superphylum *Chaetozoa* [^{6.2}*Sagitta*]

Phylum 55. CHAETOGNATHA [⁶*Sagitta*]

- Classis 1(223). *Sagittoidea* [⁵*Sagitta*]

Superphylum *Spiralia* [^{6.2}*Nereis*]

Phylum 56. RHOMBOZOA [⁶*Dicyema*] sed.m.

- Classis 1(224). *Dicyemida* [⁵*Dicyema*]

¹¹⁰Incl. *Xyloplax*.

¹¹¹Incl. *Planctosphaera* i.s.

¹¹²Incl. *Latimeria* sed.m.

¹¹³Incl. Thaliacea, Larvacea stat.m.

- Phylum 57. PLATYZOA [⁶*Planaria*] s.l.
 Subphylum *Gastrotricha* [^{5,8}*Macrodasys*] stat.m.i.
 Classis 1(225). *Gastrotrichoidea* [⁵*Macrodasys*]
 Subphylum *Gnathifera* [^{5,8}*Rotifer*] s.l.
 Classis 2(226). *Gnathostomulida* [⁵*Gnathostomula*]¹¹⁴
 3(227). *Micrognathozoa* [⁵*Limnognathia*]
 4(228). *Syndermata* [⁵*Rotifer*]¹¹⁵
 Subphylum *Platyhelminthes* [^{5,8}*Planaria*]
 Classis 5(229). *Catenulida* [⁵*Catenula*]
 6(230). *Rhabditophora* [⁵*Planaria*]*¹¹⁶
 7(231). *Neodermata* [⁵*Fasciola*]¹¹⁷
- Phylum 58. BRYOZOA [⁶*Plumatella*]
 Classis 1(232). *Gymnolaemata* [⁵*Flustra*]¹¹⁸
 2(233). *Phylactolaemata* [⁵*Plumatella*]
- Phylum 59. KAMPTOZOA [⁶*Pedicellina*] s.l.
 Classis 1(234). *Entoprocta* [⁵*Pedicellina*]
 2(235). *Cycliophora* [⁵*Symbion*] stat.m.i.
- Phylum 60. NEMERTEA [⁶*Nemertes*]
 Classis 1(236). *Archynchocoela* [⁵*Archynchonemertes*]
 2(237). *Nemertini* [⁵*Nemertes*]¹¹⁹
- Phylum 61. BRACHIOPODA [⁶*Lingula*] s.l.
 Classis 1(238). *Phoronida* [⁵*Phoronis*] stat.m.i.
 2(239). *Inarticulata* [⁵*Lingula*]¹²⁰
 3(240). *Rhynchonellata* [⁵*Rhynchonella*]
- Phylum 62. MOLLUSCA [⁶*Limax*]
 Classis 1(241). *Aplacophora* [⁵*Neomenia*] s.l.¹²¹
 2(242). *Polyplacophora* [⁵*Chiton*]
 3(243). *Monoplacophora* [⁵*Monoplacophorus*]
 4(244). *Bivalvia* [⁵*Mytilus*]
 5(245). *Scaphopoda* [⁵*Dentalium*]
 6(246). *Gastropoda* [⁵*Limax*]
 7(247). *Cephalopoda* [⁵*Octopus*]

¹¹⁴Incl. Filospermoidea, Bursovaginoidea.

¹¹⁵Incl. Hemirotrifera stat.m. (*Seison*, Acanthocephala et Bdelloidea), Monogononta.

¹¹⁶Incl. Macrostromida, Polycladida, Neoophora s.str.

¹¹⁷Incl. Monogenea, Trematoda, Cestoda.

¹¹⁸Incl. Stenolaemata.

¹¹⁹Incl. Anopla, Enopla.

¹²⁰Incl. Craniata, Lingulata.

¹²¹Incl. Caudofoveata stat.m.i.

- Phylum 63. ANNELIDA [⁶*Nereis*] s.l.
 Classis 1(248). *Sipunculida* [⁵*Sipunculus*] stat.m.¹²²
 2(249). *Polychaeta* [⁵*Nereis*] s.l.¹²³
- Phylum 64. ORTHONECTA [⁶*Rhopalura*] sed.m.
 Classis 1(250). *Orthonectida* [⁵*Rhopalura*]
- Superphylum *Ecdysozoa* [^{6.2}*Araneus*]
- Phylum 65. CYCLONEURALIA [⁶*Ascaris*] s.l.
Subphylum *Nematoidea* [^{5.8}*Ascaris*]
 Classis 1(251). *Nematoda* [⁵*Ascaris*]¹²⁴
 2(252). *Nematomorpha* [⁵*Gordius*]
Subphylum *Scalidomorpha* [^{5.8}*Priapulid*]
 Classis 3(253). *Kinorhyncha* [⁵*Kinorhynchus*]
 4(254). *Loricifera* [⁵*Nanaloricus*]
 5(255). *Priapulida* [⁵*Priapulid*]
- Phylum 66. TARDIGRADA [⁶*Macrobiotus*]
 Classis 1(256). *Tardigradoidea* [⁵*Macrobiotus*]¹²⁵
- Phylum 67. ARTHROPODA [⁶*Araneus*]
Subphylum *Lobopoda* [^{5.8}*Peripatus*] stat.m.
 Classis 1(257). *Onychophora* [⁵*Peripatus*]
Subphylum *Cheliceromorpha* [^{5.8}*Araneus*]
 Classis 2(258). *Chelicerata* [⁵*Araneus*]¹²⁶
 3(259). *Pantopoda* [⁵*Pycnogonum*]
Subphylum *Myriapoda* [^{5.8}*Scolopendra*]
 Classis 4(260). *Chilopoda* [⁵*Scolopendra*]
 5(261). *Symphyla* [⁵*Symphylella*]
 6(262). *Pauropoda* [⁵*Pauropus*]
 7(263). *Diplopoda* [⁵*Julus*]
Subphylum *Pancrustacea* [^{5.8}*Scarabaeus*]
 Classis 8(264). *Maxillopoda* [⁵*Balanus*]* s.l.¹²⁷
 9(265). *Ostracoda* [⁵*Cypris*] stat.m.
 10(266). *Ichthyostraca* [⁵*Argulus*] s.l.¹²⁸

¹²²Incl. Sipunculoidea, Phascolosomatidea.

¹²³Incl. *Lobatocerebrum* sed.m., *Jennaria* sed.m., Aelosomata, Clitellata, Myzostomida i.s., Echiura, Sibolginida (Pogonophora et Vestimentifera).

¹²⁴Incl. Adenophorea, Secernentea.

¹²⁵Incl. Heterotardigrada, Mesotardigrada, Eutardigrada.

¹²⁶Incl. Xiphosura.

¹²⁷Incl. Tantulocarida, Thecostraca, Mystacorarida, Copepoda.

¹²⁸Incl. Branchiura, Pentastomida.

- 11(267). *Branchiopoda* [⁵*Daphnia*]
12(268). *Remipedia* [⁵*Speleonectes*]
13(269). *Malacostraca* [⁵*Cancer*]¹²⁹
14(270). *Cephalocarida* [⁵*Hutchinsoniella*]
15(271). *Hexapoda* [⁵*Scarabaeus*] s.l.¹³⁰

¹²⁹Incl. Leptostraca.

¹³⁰Incl. Collembola stat.m., Protura stat.m., Diplura stat.m..