

Systema Naturae*

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Regnum Monera [⁷*Bacillus*]

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

Superphylum *Gracilicutes* [^{6,2}*Rhodospirillum*] s.a.

Phylum 1. SPIROCHAETAE [⁶*Spirochaeta*] sed.m.

Classis 1(1). *Spirochaetes* [⁵*Spirochaeta*] s.a.²

Phylum 2. ELUSIMICROBIA [⁶*Elusimicrobium*] sed.m.³

Classis 1(2). *Elusimicrobes* [⁵*Elusimicrobium*]⁴

2(3). *Aerophobetes* [⁵*Aerophobus*]⁵

3(4). *Hydrogenedentes* [⁵*Hydrogenedens*]⁶

Phylum 3. PLANCTOBACTERIA [⁶*Planctomyces*]⁷

Classis 1(5). ‘*Poribacteria*’ [⁵‘*Poribacter*’]

2(6). *Planctomycetia* [⁵*Planctomyces*]⁸

3(7). *Lentisphaeria* [⁵*Lentisphaera*]⁹

4(8). *Verrucomicrobiae* [⁵*Verrucomicrobium*]¹⁰

*Only recent taxa of undeniable living things are 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.s. (sensu stricto); s.a. (sensu amplo); s.aggr. (sensu aggregato); incl. (inclusum); excl. (exclusum); p.p. (pro parte); (z) for ICZN names; † (dagger) for names introduced here; ‘single quotes’ for environmental groups and/or superficially placed taxa; * (asterisk) for paraphyletic taxa.

¹Incl. ‘Nanobacteria’ i.s. et dubitativa.

²Incl. *Leptospira*.

³Incl. ‘Firestonebacteria’, ‘Desantibacteria’.

⁴= ‘Endomicrobia’, ‘TG1’.

⁵= ‘CD12’.

⁶= ‘NKB19’.

⁷= ‘PVC’.

⁸Incl. Phycisphaerae.

⁹Incl. *Oligosphaera*.

¹⁰Incl. Opitutae, Spartobacteria.

- 5(9). *Kiritimatiellaeota* [⁵*Kiritimatiella*]
 6(10). *Omnitrophica* [⁵*Omnitrophus*]¹¹
 7(11). *Chlamydiae* [⁵*Chlamydia*]

Phylum 4. BACTEROIDETES [⁶*Bacteroides*] s.a.¹²

- Classis 1(12). *Cloacimonetes* [⁵*Cloacimonas*]¹³
 2(13). *Fibrobacteria* [⁵*Fibrobacter*]¹⁴
 3(14). *Gemmatimonadetes* [⁵*Gemmatimonas*] sed.m.¹⁵
 4(15). *Calditrichaeota* [⁵*Caldithrix*]
 5(16). *Latescibacteria* [⁵*Latescibacter*]¹⁶
 6(17). *Bacteroidia* [⁵*Bacteroides*]¹⁷
 7(18). *Rhodothermaeota* [⁵*Salinibacter*]
 8(19). *Ignavibacteria* [⁵*Ignavibacterium*]¹⁸
 9(20). *Chlorobia* [⁵*Chlorobium*]¹⁹
 10(21). *Marinimicrobia* [⁵*Marinimicrobium*]²⁰

Phylum 5. PROTEOBACTERIA [⁶*Rhodospirillum*] s.a.²¹

- Classis 1(22). *Epsilonproteobacteria* [⁵*Campylobacter*]
 2(23). *Calescamantes* [⁵*Calescibacterium*]²²
 3(24). *Aquificae* [⁵*Aquifex*]²³
 4(25). *Deferribacteres* [⁵*Deferribacter*]
 5(26). *Chrysiogenetes* [⁵*Chrysiogenes*]
 6(27). *Acidobacteria* [⁵*Acidobacterium*] sed.m.²⁴
 7(28). *Aminicenantes* [⁵*Aminicenans*]²⁵
 8(29). *Nitrospirae* [⁵*Nitrospira*]²⁶
 9(30). *Desulfobacteria* [⁵*Desulfobacter*] s.a.²⁷

¹¹= 'OP3'.

¹²= 'FCB', incl. 'Zixibacteria' ('RBG-1'), 'Stahlbacteria' ('WOR-3'), 'TA06', 'Hydrothermae' ('EM3'), 'Handelsmanbacteria', 'Eisenbacteria', 'Edwardsbacteria', 'Glassbacteria', 'Raymondbacteria'.

¹³= 'WWE1'.

¹⁴Incl. Chitinivibrione ('TG3').

¹⁵Incl. *Longimicrobium*.

¹⁶= 'WS3', incl. 'SAUL' stat.m.

¹⁷Incl. Flavobacteria, Sphingobacteria, Cytophagia Saprospira, Chitinophagia.

¹⁸Incl. 'OPB56', Kryptonia.

¹⁹Incl. Balneolaeota.

²⁰= 'SAR406'.

²¹Incl. 'Rokubacteria', 'Tectomicrobia' (*Entotheonella*), 'Modulibacteria' ('KSB3'), 'Dadabacteria' ('CSP 1-2'), 'Lindowbacteria', 'Muproteobacteria', 'Lambdaproteobacteria', 'Fischerbacteria', 'DeLongbacteria', 'Schekmanbacteria', 'BRC1'.

²²= 'EM19'.

²³Incl. Hydrogenothermaceae, Thermodesulfobacteriaceae, *Thermosulfidibacter*, Desulfurobacteriaceae.

²⁴Incl. Halophagae, Solibacteres, Blastocatellia, Vicinamibacteria, Thermoanaerobaculia.

²⁵= 'OP8'.

²⁶Incl. Nitrospinae.

²⁷Incl. Deltaproteobacteria, Myxobacteria, *Bdellovibrio*, *Deferrisoma*.

- 10(31). *Dependentiae* [⁵*Babela*]²⁸
 11(32). *Methylomirabilia* [⁵*Methylomirabilis*]²⁹
 12(33). *Rhodobacteria* [⁵*Rhodobacter*] s.a.³⁰

Superphylum *Terrabacteria* [^{6,2}*Bacillus*] s.a.

Phylum 6. FIRMICUTES [⁶*Bacillus*]* s.aggr.³¹

- Classis 1(34). *Clostridia* [⁵*Clostridium*] s.a.³²
 2(35). *Limnochordia* [⁵*Limnochorda*]
 3(36). *Bacilli* [⁵*Bacillus*] s.a.³³
 4(37). *Mollicutes* [⁵*Mycoplasma*]³⁴
 5(38). *Thermi* [⁵*Thermus*]³⁵
 6(39). *Armatimonadetes* [⁵*Armatimonas*] stat.m.³⁶
 7(40). *Synergistia* [⁵*Synergistes*]
 8(41). *Atribacteria* [⁵*Caldatribacterium*]³⁷
 9(42). *Thermotogae* [⁵*Thermotoga*] sed.m.
 10(43). *Acetothermia* [⁵*Acetothermum*]³⁸
 11(44). *Fervidibacteria* [⁵*Fervidibacter*]³⁹
 12(45). *Caldiserica* [⁵*Caldisericum*] i.s.⁴⁰
 13(46). *Dictyoglomia* [⁵*Dictyoglomus*] sed.m.
 14(47). *Fusobacteria* [⁵*Fusobacterium*] sed.m.

Phylum 7. ACTINOBACTERES[†] [⁶*Actinomyces*]

- Classis 1(48). *Actinobacteria* [⁵*Actinomyces*]⁴¹

Phylum 8. CYANOBACTERIA [⁶*Nostoc*]⁴²

- Classis 1(49). *Melainabacteria* [⁵*Obscuribacter*]
 2(50). *Gloeobacteria* [⁵*Gloeobacter*]⁴³
 3(51). *Oscillatorineae* [⁵*Oscillatoria*]* s.a.⁴⁴

²⁸= 'TM6'.

²⁹= 'NC10'.

³⁰Incl. Alphaproteobacteria, Acidithiobacillia, Zetaproteobacteria, Betaproteobacteria, Gammaproteobacteria, Oligoflexia.

³¹Incl. 'Fraserbacteria', 'Riflebacteria', 'Wallbacteria', 'Coatesbacteria', 'GAL15'.

³²Incl. Haloanaerobiales stat.m., Thermolithobacteria stat.m., Symbiobacteria, Tissierella, Negativicutes, *Sulfobacillus* i.s., *Thermaerobacter* i.s.

³³Incl. Erysipelotrichi, Heliobacteria.

³⁴= Tenericutes, incl. *Lumbricincola*.

³⁵Incl. Thermales.

³⁶= 'OP10', incl. Chthonomonadetes, Fimbriimonadia.

³⁷= 'OP9' and 'JS1'.

³⁸= 'OP1', incl. Coprothermobacteria sed.m.

³⁹= 'OctSpa1-106'.

⁴⁰= 'OP5'.

⁴¹Incl. Coriobacteriia, Rubrobacteria, Thermoleophilia, Acidimicrobia.

⁴²Incl. 'Margulisbacteria'.

⁴³*Gloeobacter* corresponds with *Aphanothece*.

⁴⁴Incl. *Gloeomargarita*, Synechococcineae, 'Prochlorophyceae', *Acaryochloris*.

4(52). *Nostocineae* [⁵*Nostoc*]

Phylum 9. CHLOROFLEXES [⁶*Chloroflexus*]⁴⁵

Classis 1(53). *Chloroflexi* [⁵*Chloroflexus*]

2(54). *Thermomicrobia* [⁵*Thermomicrobium*]⁴⁶

3(55). *Ktedonobacteria* [⁵*Ktedonobacter*]

4(56). *Anaerolineae* [⁵*Anaerolinea*]⁴⁷

5(57). *Dehalococcoidetes* [⁵*Dehalococcoides*]⁴⁸

Superphylum *Patescibacteria* [^{6.2}*Paceibacter*]⁴⁹

Phylum 10. MICROGENOMATES [⁶*Microgenomatus*]⁵⁰

Phylum 11. PARCUBACTERIA [⁶*Paceibacter*]⁵¹

Subregnum *Archaeobacteria* [^{6.8}*Methanobacterium*]*

Phylum 12. NANOARCHAEOTA [⁶*Nanoarchaeum*]⁵²

Classis 1(58). *Microarchaea* [⁵*Micrarchaeum*]⁵³

2(59). *Aenigmarcheota* [⁵*Aenigmarchaeum*]

3(60). *Nanohaloarchaea* [⁵*Nanosalinarum*]

4(61). *Parvarchaea* [⁵*Parvarchaeum*]

5(62). *Nanoarchaea* [⁵*Nanoarchaeum*]

6(63). *Woesearchaeota*⁵⁴

⁴⁵Incl. 'Umbricyclopia' ('TK10'), 'Limnocyndria' ('SL56').

⁴⁶Incl. *Thermobaculum*, *Sphaerobacter*.

⁴⁷Incl. Caldilineae, Thermoflexia, Ardenticatenia.

⁴⁸Incl. *Dehalobium*, *Dehalogenimonas*.

⁴⁹= 'Candidate Phyla Radiation', 'CPR'.

⁵⁰= 'OP11', incl. 'Amesbacteria', 'Beckwithbacteria', 'Blackburnbacteria', 'Chisholmbacteria', 'Collierbacteria', 'CPR1', 'CPR2', 'CPR3', 'Curtissbacteria', 'Daviesbacteria', 'Dojkabacteria' ('WS6'), 'Gottesmanbacteria', 'Katanobacteria', 'Levybacteria', 'Pacebacteria', 'Roizmanbacteria', 'Shapirobacteria', 'Wirthbacteria', 'Woesebacteria', 'Woykebacteria', 'WWE3', 'Woykebacteria', 'Chisholmbacteria', 'Blackburnbacteria'.

⁵¹= 'OD1', incl. 'Absconditabacteria' ('SR1'), 'Adlerbacteria', 'Andersenbacteria', 'Azambacteria', 'Berkelbacteria', 'Brownbacteria', 'Campbellbacteria', 'Giovannonibacteria', 'Gracilibacteria' ('BD1-5', 'GN02'), 'Doudnabacteria', 'Falkowbacteria', 'Harrisonbacteria', 'Hugbacteria', 'Jorgensenbacteria', 'Kaiserbacteria', 'Kerfeldbacteria', 'Liptonbacteria', 'Lloydbacteria', 'Magasanikbacteria', 'Moranbacteria', 'Nomurabacteria', 'Peregrinibacteria', 'Peribacteria', 'Portnoybacteria', 'Ryanbacteria', 'Saccharibacteria' ('TM7'), 'SM2F11', 'Staskawiczbacteria', 'Sungbacteria', 'Taylorbacteria', 'Uhrbacteria', 'Verblenbacteria', 'Vogelbacteria', 'Wildernuthbacteria', 'Wolfbacteria', 'Yanofskybacteria', 'Yonanthbacteria', 'Zambryskibacteria', 'Ryanbacteria', 'Niyogibacteria', 'Tagabacteria', 'Terrybacteria', 'Vogelbacteria', 'Zambryskibacteria', 'Taylorbacteria', 'Sungbacteria', 'Brennerbacteria', 'Spechtbacteria', 'Staskawiczbacteria', 'Wildernuthbacteria', 'Portnoybacteria', 'Buchananbacteria', 'Jacksonbacteria', 'Veblenbacteria', 'Kerfeldbacteria', 'Nealsonbacteria', 'Colwellbacteria', 'Liptonbacteria', 'Harrisonbacteria', 'Yonanthbacteria', 'Lloydbacteria', 'Abawacabacteria', 'Komeilibacteria', 'Andersenbacteria', 'Doudnabacteria', 'Kuenenbacteria'.

⁵²= 'DPANN'.

⁵³= Diapherotrites.

⁵⁴= 'Pacearchaeota'.

Phylum 13. EURYARCHAEOTA [⁶*Methanobacterium*]⁵⁵

- Classis 1(64). *Thermococci* [⁵*Thermococcus*]
2(65). *Methanobacteria* [⁵*Methanobacterium*] s.a.⁵⁶
3(66). *Thermoplasmata* [⁵*Thermoplasma*]
4(67). *Archaeoglobi* [⁵*Archaeoglobus*]
5(68). *Halomebacteria* [⁵*Halobacterium*]⁵⁷

Phylum 14. FILARCHAEOTA [⁶*Sulfolobus*]*⁵⁸

- Classis 1(69). *Cenarchaea* [⁵*Cenarchaeum*]⁵⁹
2(70). *Crenarchaea* [⁵*Sulfolobus*]⁶⁰
3(71). *Korarchaea* [⁵*Korarchaeum*]

Phylum 15. ASGARDARCHAEOTA[†] [⁶*Lokiarchaeum*]

- Classis 1(72). *Lokiarchaea* [⁵*Lokiarchaeum*]⁶¹
2(73). ‘*Heimdallarchaeota*’

Regnum Protista [⁷*Euglena*]*⁶²

Subregnum *Excavata* [^{6,8}*Euglena*]

Phylum 16. METAMONADA [⁶*Trichomonas*] s.a.

- Classis 1(74). *Anaeromonadea* [⁵*Oxymonas*]⁶³
2(75). *Parabasalea* [⁵*Trichomonas*]⁶⁴
3(76). *Eopharyngea* [⁵*Hexamita*]⁶⁵

Phylum 17. DISCOBA [⁶*Euglena*] s.a.

Subphylum *Malawimonadea* [^{5,8}*Malawimonas*] sed.m.

- Classis 1(77). *Malawimonadea* [⁵*Malawimonas*]⁶⁶

Subphylum *Loukozoa* [^{5,8}*Jacoba*]

- Classis 2(78). *Tsukubea* [⁵*Tsukubamonas*]
3(79). *Jakoba* [⁵*Jakoba*]⁶⁷

⁵⁵Incl. ‘Hadesarchaea’ (‘SAGMEG’).

⁵⁶Incl. Methanobacteriales, Methanococcales stat.m., Methanopyrales i.s.

⁵⁷Incl. Methanomicrobiales, Methanosarcinales, Halobacteriales.

⁵⁸=‘TACK’.

⁵⁹Incl. Thaumarcheota, Aigarcheota, ‘Geoarchaeota’, ‘Bathyarchaeota’ (‘MCG’).

⁶⁰Incl. Desulfurococcales, Caldisphaerales, Thermoproteales, Verstraetearchaeota.

⁶¹Incl. ‘Odinarchaeota’, ‘Thorarchaeota’.

⁶²Incl. *Magosphaera* i.s., *Luffisphaera* i.s., *Paraluffisphaera* i.s., and many others.

⁶³Incl. Oxymonadida, *Trimastix*, *Paratrimastix*.

⁶⁴Incl. Trichomonadea.

⁶⁵Incl. Carpediemonadida, Retortamonadida, Diplomonadida.

⁶⁶Incl. *Gefionella*.

⁶⁷Incl. *Andalucia*

Subphylum *Percolozoa* [^{5,8}*Naegleria*]

Classis 4(80). *Heterolobosea* [⁵*Naegleria*]⁶⁸

Subphylum *Euglenozoa* [^{5,8}*Euglena*]

Classis 5(81). *Euglenophyceae* [⁵*Euglena*]* s.a.⁶⁹

6(82). *Postgaardea* [⁵*Postgaardi*]⁷⁰

7(83). *Diplosonematea* [⁵*Diplosonema*]⁷¹

8(84). *Kinetoplastea* [⁵*Bodo*]

Subregnum *Panmycota*[†] [^{6,8}*Agaricus*]*

Phylum 18. SULCOZOA [⁶*Apusomonas*] s.aggr.

Classis 1(85). *Ancyromonadea* [⁵*Ancyromonas*] sed.m.⁷²

2(86). *Mantamonadea* [⁵*Mantamonas*]

3(87). *Hilomonadea* sed.m.[⁵*Micronuclearia*]⁷³

4(88). *Anisomonadea* [⁵*Collodictyon*] sed.m.⁷⁴

5(89). *Apusomonadea* [⁵*Apusomonas*]

6(90). *Breviatea* [⁵*Breviata*]⁷⁵

Phylum 19. AMOEBOZOA [⁶*Amoeba*]⁷⁶

Classis 1(91). *Cutosea* [⁵*Squamamoeba*]⁷⁷

2(92). *Mycetozoa* [⁵*Physarum*]⁷⁸

3(93). *Variosea* [⁵*Filamoeba*]* sed.m.⁷⁹

4(94). *Archamoebae* [⁵*Mastigamoeba*]⁸⁰

5(95). *Tubulinea* [⁵*Amoeba*]⁸¹

6(96). *Discosea* [⁵*Acanthamoeba*]⁸²

Phylum 20. OPISTHOSPORIDIA [⁶*Rozella*]*⁸³

Classis 1(97). *Cristidiscoidea* [⁵*Nuclearia*]⁸⁴

2(98). *Cryptomycetes* [⁵*Rozella*]

⁶⁸Incl. *Acrasis*, *Percolomonas*, *Pharyngomonas*, *Stephanopogon*, etc.

⁶⁹Incl. Entosiphonea, Stavomonadea, Ploeotarea, Peranemea.

⁷⁰= Symbiontida.

⁷¹= Diplonemea.

⁷²= Planomonadea, incl. *Anaeramoeba*, *Discocelia* (*Discocelis*) sed.m.

⁷³Incl. *Micronuclearia*, *Rigifila*.

⁷⁴Incl. *Diphylleia* (z), *Collodictyon*, *Sulcomonas*.

⁷⁵Incl. *Lenisia*, *Subulatomonas*, *Pygsuia*.

⁷⁶Incl. *Corallomyxa* i.s.

⁷⁷Incl. *Saprocribum*, *Armaparvus*.

⁷⁸Incl. *Ceratiomyxa*, *Dictyostelia*, *Myxogastria*, *Protostelia* p.p., *Semimorula*.

⁷⁹Incl. *Protostelia* p.p., *Acramoeba* *Ceratiomyxella*, *Filamoeba*, *Flamella*, *Multicilia*, *Phalansterium*.

⁸⁰Incl. *Entamoeba*, *Rhizomastix*.

⁸¹Incl. *Corycida*, *Copromyxa*.

⁸²Incl. *Dermamoebida*.

⁸³Incl. 'Basal Clone Group 2'.

⁸⁴Incl. *Fonticula*, *Parvularia*.

- 3(99). *Microsporea* [⁵*Microsporidium*]⁸⁵
 4(100). *Aphelidea* [⁵*Aphelidium*]

Phylum 21. EOMYCOTA[†] [⁶*Mucor*]* s.a.⁸⁶

- Classis 1(101). *Blastocladiomycetes* [⁵*Blastocladium*]
 2(102). *Chytridiomycetes* [⁵*Chytridiopsis*]⁸⁷
 3(103). *Olpidiomycetes* [⁵*Olpidium*]
 4(104). *Kickxellomycetes* [⁵*Kickxella*]⁸⁸
 5(105). *Mucoromycetes* [⁵*Mucor*]^{*89}
 6(106). *Sanchytriomycetes* [⁵*Sanchytrium*]⁹⁰
 7(107). *Glomeromycetes* [⁵*Glomus*]⁹¹

Phylum 22. ENTORRHIZOMYCOTA [⁶*Entorrhiza*]

- Classis 1(108). *Entorrhizomycetes* [⁵*Entorrhiza*]

Phylum 23. BASIDIOMYCOTA [⁶*Agaricus*]

Subphylum *Wallemiomycotina* [^{5,8}*Wallemia*]

- Classis 1(109). *Bartheletiomycetes*[†] sed.m. [⁵*Bartheletia*]
 2(110). *Wallemiomycetes* [⁵*Wallemia*]⁹²

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

- Classis 3(111). *Exobasidiomycetes* [⁵*Exobasidium*]
 4(112). *Ustilaginomycetes* [⁵*Ustilago*]
 5(113). *Moniliellomycetes* [⁵*Moniliella*]
 6(114). *Malasseziomycetes* [⁵*Malassezia*]

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

- Classis 7(115). *Tritirachiomycetes* [⁵*Tritirachium*]
 8(116). *Agaricostilbomycetes* [⁵*Agaricostilbum*]
 9(117). *Spiculogloeomycetes* [⁵*Spiculogloea*]
 10(118). *Pucciniomycetes* [⁵*Uredo*]
 11(119). *Classiculomycetes* [⁵*Classicula*]
 12(120). *Atractiellomycetes* [⁵*Atractiella*]
 13(121). *Cystobasidiomycetes* [⁵*Cystobasidium*]
 14(122). *Microbotryomycetes* [⁵*Microbotryum*]⁹³
 15(123). *Mixiomycetes* [⁵*Mixia*]

⁸⁵Incl. *Nucleophaga*, *Chytridiopsis*, Metchnikovellidae.

⁸⁶Incl. 'Basal Clone Group I'.

⁸⁷Incl. Monoblepharidales, Neocallimastigales, *Thalassochytrium*, *Caulochytrium*.

⁸⁸Incl. Asellariales, Basidiobolales, Entomophthorales, Harpellales, Neozygitales, Zoopagales, Orphellales, *Nephridiophaga*.

⁸⁹Incl. Endogonales, Mortierellales, Calcarisporiellomycota.

⁹⁰Incl. *Amoeboradix*.

⁹¹Incl. Glomeromycetes, Archaeosporomycetes, Paraglomeromycetes.

⁹²Incl. *Basidioascus*, *Geminibasidium*.

⁹³Incl. Cryptomycocolacales sed.m.

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

- Classis 16(124). *Tremellomycetes* [⁵*Tremella*]
17(125). *Dacrymycetes* [⁵*Dacrymyces*]
18(126). *Agaricomycetes* [⁵*Agaricus*]

Phylum 24. ASCOMYCOTA [⁶*Ascomyces*]⁹⁴

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

- Classis 1(127). *Neoelectomycetes* [⁵*Neoelecta*]
2(128). *Taphrinomycetes* [⁵*Ascomyces*]⁹⁵
3(129). *Archaeorhizomycetes* [⁵*Archaeorhizomyces*]
4(130). *Saccharomycetes* [⁵*Saccaromyces*]

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

- Classis 5(131). *Pezizomycetes* [⁵*Tuber*]
6(132). *Orbiliomycetes* [⁵*Orbilina*]
7(133). *Xylonomycetes* [⁵*Xylona*]
8(134). *Dothideomycetes* [⁵*Dothidea*]⁹⁶
9(135). *Leotiomyces* [⁵*Leotia*]⁹⁷
10(136). *Laboulbeniomycetes* [⁵*Laboulbenia*]
11(137). *Sordariomycetes* [⁵*Sordaria*]
12(138). *Geoglossomycetes* [⁵*Geoglossum*]
13(139). *Lichinomycetes* [⁵*Lichina*]⁹⁸
14(140). *Eurotiomycetes* [⁵*Penicillium*]⁹⁹
15(141). *Lecanoromycetes* [⁵*Lecanora*]¹⁰⁰

Phylum 25. CHOANOZOA [⁶*Codosiga*] s.a.

- Classis 1(142). *Ichthyosporea* [⁵*Ichthyophonus*]¹⁰¹
2(143). *Pluriformea* [⁵*Corallochytrium*]¹⁰²
3(144). *Filasterea* [⁵*Capsaspora*]¹⁰³
4(145). *Choanomonadea* [⁵*Codosiga*]

⁹⁴Incl. *Spirogyromyces* i.s.

⁹⁵Incl. *Saitoella*, Schizosaccharomycetes, *Pneumocystis*.

⁹⁶Incl. Arthoniales stat.m., Symbiotaphrinales sed.m.

⁹⁷Incl. *Trizobia*.

⁹⁸Incl. Coniocybomycetes, Candelariomycetes stat.m.

⁹⁹Incl. Xylobotryomycetes stat.m.

¹⁰⁰Incl. Candelariales sed.m.

¹⁰¹Incl. *Amoebidium*, Eccrinales.

¹⁰²Incl. *Syssomonas*.

¹⁰³Incl. *Ministeria*, *Pigoraptor*.

Subregnum *Panalgae*[†] [^{6.8}*Fucus*]

Infraregnum Hacrobia [^{6.5}*Cryptomonas*]* s.aggr.

Phylum 26. HEMIMASTIGOPHORA [⁶*Spironematella*]

Classis 1(146). *Hemimastigea* [⁵*Spironematella*]¹⁰⁴

Phylum 27. CRYPTISTA [⁶*Cryptomonas*] s.a.

Classis 1(147). *Cryptophyceae* [⁵*Cryptomonas*]¹⁰⁵

2(148). *Leucocrypta* [⁵*Katablepharis*]

3(149). *Palpitia* [⁵*Palpitomonas*]

4(150). *Endohelea* [⁵*Microheliella*]¹⁰⁶

Phylum 28. HELIOZOA [⁶*Prymnesium*]

Classis 1(151). *Alveida* [⁵*Ancoracysta*]

2(152). *Prymnesiophyceae* [⁵*Prymnesium*]¹⁰⁷

3(153). ‘*Rappephyceae*’ [⁵‘*Rappemonas*’]¹⁰⁸

4(154). *Centrohelea* [⁵*Pterocystis*]¹⁰⁹

Phylum 29. TELONEMIA [⁶*Telonema*]

Classis 1(155). *Telonemea* [⁵*Telonema*]

Infraregnum Chromobionta [^{6.5}*Fucus*] s.a.¹¹⁰

Superphylum *Rhizaria* [^{6.2}*Cercomonas*]

Phylum 30. RHIZARIA [⁶*Cercomonas*] s.a.¹¹¹

Subphylum *Filosea* [^{5.8}*Cercomonas*]

Classis 1(156). *Ventrifilosea* [⁵*Coelodendrum*]* s.a.¹¹²

2(157). *Sarcomonadea* [⁵*Cercomonas*] s.a.¹¹³

3(158). *Granofilosea* [⁵*Heliomorpha*]¹¹⁴

4(159). *Metromonadea* [⁵*Metromonas*] s.a.¹¹⁵

5(160). *Chlorarachniophyceae* [⁵*Chlorarachnion*]¹¹⁶

¹⁰⁴Incl. *Hemimastix*, *Stereonema*, *Paramastix* sed.m.

¹⁰⁵Incl. *Goniomonas*.

¹⁰⁶Incl. *Heliomorpha*.

¹⁰⁷Incl. Pavlovophyceae.

¹⁰⁸Incl. ‘OM270’.

¹⁰⁹Incl. Pterocystida, Panacanthocystida.

¹¹⁰= Sar.

¹¹¹Incl. *Meteora* i.s.

¹¹²Incl. Phaeodarea, Ebrida, Cryomonadida, Spongomonadidae, Thaumatomonadidae, Euglyphida, *Kraken*, Rotosphaerida, *Pompholyxophrys*, *Mataza*, Chlamydrophyidae.

¹¹³Incl. Cercomonadida, Pansomonadida, Glissomonadida, Viridiraptoridae, Sinauroidea.

¹¹⁴Incl. *Massisteria*, Desmothoracida, Gymnosphaeridae sed.m., Heliomonadida, *Leucodictyon*, *Reticuloamoeba*.

¹¹⁵Incl. *Metopion*.

¹¹⁶Incl. *Minorisa*.

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

- Classis 6(161). *Skiomonadea* [⁵*Tremula*]¹¹⁷
7(162). *Proteomyxidea* [⁵*Filoreta*]*¹¹⁸
8(163). *Plasmodiophorea* [⁵*Plasmodiophora*]¹¹⁹
9(164). *Gromiidea* [⁵*Gromia*]
10(165). *Ascetosporea* [⁵*Haplosporidium*]¹²⁰

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

- Classis 11(166). *Taxopodida* [⁵*Sticholonche*]¹²¹
12(167). *Polycystinea* [⁵*Collosphaera*]*
13(168). *Acantharia* [⁵*Acanthometra*]
14(169). *Monothalamea* [⁵*Allogromia*]¹²²
15(170). *Tubothalamea* [⁵*Miliolina*]
16(171). *Globothalamea* [⁵*Rotalia*]

Superphylum *Alveolata* [^{6,2}*Paramecium*]

Phylum 31. MYZOOA [⁶*Peridinium*]

Subphylum *Protalveolata* [^{5,8}*Colponema*]

- Classis 1(172). *Colponemida* [⁵*Colponema*]¹²³

Subphylum *Dinooza* [^{5,8}*Peridinium*]

- Classis 2(173). *Perkinsida* [⁵*Perkinsus*]¹²⁴
3(174). *Squirmidea* [⁵*Filipodium*]¹²⁵
4(175). *Oxyrriidea* [⁵*Oxyrris*]¹²⁶
5(176). *Syndinea* [⁵*Syndinium*]¹²⁷
6(177). *Ellobiopsea* [⁵*Ellobiopsis*]
7(178). *Dinoflagellata* [⁵*Peridinium*]¹²⁸

Subphylum *Apicomplexa* [^{5,8}*Plasmodium*]¹²⁹

- Classis 8(179). *Apicomonadea* [⁵*Colpodella*]¹³⁰
9(180). *Gregarinomorphea* [⁵*Gregarina*]¹³¹

¹¹⁷Incl. *Aquavolon*.

¹¹⁸Incl. Biomyxidae, *Pseudospora* sed.m., Rhizoplasmodidae s.aggr., *Reticuloamoeba* sed.m.

¹¹⁹Incl. Vampyrellidae, *Phagomyxa*.

¹²⁰Incl. Paramyxidia, *Bonamia*, *Claustrosporidium*, *Paradinium*, *Mikrocytos*.

¹²¹Incl. *Larcopyle*.

¹²²Incl. Xenophyophorea, Reticulomyxidae, *Komokiacea*, *Schizocladus*.

¹²³Incl. *Acavomonas*, *Palustrimonas*.

¹²⁴Incl. *Dinovorax*, *Perkinsus*, *Parvilucifera*, *Rastrimonas*, *Snorkelia* *Phagodium* sed.m.

¹²⁵Incl. *Platyproteum*.

¹²⁶Incl. *Colpovora*, *Psammosa*.

¹²⁷Incl. 'Marine Alveolate Groups I and II', *Ichthyodinium*, *Dubosquella*.

¹²⁸Incl. *Noctiluca* stat.m.

¹²⁹Incl. 'X-cells' i.s.

¹³⁰Incl. Chromerida.

¹³¹Incl. *Cryptosporidium*, *Selenidium*.

10(181). *Coccidiomorpha* [⁵*Plasmodium*]¹³²

Phylum 32. CILIOPHORA [⁶*Paramecium*]

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

Classis 1(182). *Karyorelictea* [⁵*Trachelocera*]

2(183). *Heterotrichea* [⁵*Spirostomum*]¹³³

Subphylum *Ventrata* [^{5,8}*Paramecium*]¹³⁴

Classis 3(184). *Phyllopharyngea* [⁵*Podophrya*]¹³⁵

4(185). *Nassophorea* [⁵*Nassula*]¹³⁶

5(186). *Colpodea* [⁵*Colpoda*]

6(187). *Prostomatea* [⁵*Prorodon*]

7(188). *Plagiopylea* [⁵*Plagiopyla*]

8(189). *Oligohymenophorea* [⁵*Paramecium*]

Subphylum *Spirotrichia* [^{5,8}*Oxytricha*]

Classis 9(190). *Litostomatea* [⁵*Didinium*]

10(191). *Armophorea* [⁵*Metopus*]¹³⁷

11(192). *Spirotrichea* [⁵*Oxytricha*]

12(193). *Cariacotrichea* [⁵*Cariacotrix*]

Subphylum *Lamellicorticata* [^{5,8}*Clevelandella*]

Classis 13(194). *Armophorea* [⁵*Clevelandella*]

14(195). *Litostomatea* [⁵*Spathidium*]

Superphylum *Heterokonta* [^{6,2}*Fucus*]

Phylum 33. LABYRINTHOMORPHA [⁶*Labyrinthula*]

Classis 1(196). *Labyrinthulea* [⁵*Labyrinthula*]¹³⁸

2(197). *Eogyrea* [⁵*Pseudophyllomitus*]¹³⁹

3(198). *Platysulcea* [⁵*Platysulcus*]

Phylum 34. OPALAZOA[†] [⁶*Opalina*]

Classis 1(199). *Bicoecea* [⁵*Bicosoeca*]

2(200). *Placididea* [⁵*Placidia*]¹⁴⁰

3(201). *Blastocystea* [⁵*Blastocystis*]

4(202). *Opalineae* [⁵*Opalina*]¹⁴¹

¹³²Incl. *Nephromyces*, Piroplasmida.

¹³³Incl. *Protocruzia* sed.m.

¹³⁴=‘Conthreep’; incl. Discotrichida i.s.

¹³⁵Incl. Suctoria, Synchimoniida.

¹³⁶Incl. Nassulina, Microthoracina.

¹³⁷Incl. Licnophorida sed.m.

¹³⁸Excl. *Labyrinthomyxa*, incl. Amphitremida.

¹³⁹= ‘MAST-4’, ‘MAST-6’.

¹⁴⁰Incl. *Incisomonas*, [⁵*Solenicola*], [⁵*Wobbia*], ‘MAST-3’.

¹⁴¹Incl. Proteromonadida.

Phylum 35. OOMYCOTA [⁶*Saprolegnia*]

Classis 1(203). *Oomycetes* [⁵*Saprolegnia*]¹⁴²

Phylum 36. CHROMOPHYTA [⁶*Fucus*]

Subphylum *Developea* [^{5,8}*Developayella*]

Classis 1(204). *Developayellophyceae* [⁵*Developayella*]¹⁴³

Subphylum *Pelagophytina* [^{5,8}*Pelagomonas*]

Classis 2(205). *Bacillariophyceae* [⁵*Diatoma*] s.a.

3(206). *Bolidophyceae* [⁵*Bolidomonas*]¹⁴⁴

4(207). *Dictyochophyceae* [⁵*Dictyocha*]¹⁴⁵

5(208). *Pelagophyceae* [⁵*Pelagomonas*]¹⁴⁶

6(209). *Pinguiphyceae* [⁵*Pinguiochrysis*]

Subphylum *Chrysophytina* [^{5,8}*Chrysococcus*]

Classis 7(210). *Eustigmatophyceae* [⁵*Eustigmatos*]

8(211). *Chrysophyceae* [⁵*Chrysococcus*] s.a.¹⁴⁷

Subphylum *Xanthophytina* [^{5,8}*Tribonema*]

Classis 9(212). *Xanthophyceae* [⁵*Tribonema*]¹⁴⁸

10(213). *Phaeophyceae* [⁵*Fucus*] s.a.¹⁴⁹

11(214). *Raphidophyceae* [⁵*Rhaphidomonas*]¹⁵⁰

12(215). *Actinophryida* [⁵*Actinophrys*]

Infraregnum Chlorobionta [^{6,5}*Volvox*]

Phylum 37. RHODOPHYTA [⁶*Bangia*]

Classis 1(216). *Picomonadea* [⁵*Picomonas*]

2(217). *Cyanidiophyceae* [⁵*Cyanidium*]

3(218). *Proteorhodophyceae* [⁵*Rhodella*]¹⁵¹

4(219). *Bangiophyceae* [⁵*Bangia*]

5(220). *Florideophyceae* [⁵*Palmaria*]

Phylum 38. GLAUCOPHYTA [⁶*Glaucocystis*]

Classis 1(221). *Glaucophyceae* [⁵*Glaucocystis*]

¹⁴²Incl. Hyphochitriomycetales.

¹⁴³Incl. Pirsonia.

¹⁴⁴Incl. Parmales.

¹⁴⁵Incl. Pedinellales, Rhizochromulinales.

¹⁴⁶Incl. Sarcinochrysidales, *Olisthodiscus* sed.m.

¹⁴⁷Incl. *Picophagus*, *Synchroma*, *Leukarachnion*, *Paraphysomonas*.

¹⁴⁸Incl. Chrysomeridophyceae stat.m.

¹⁴⁹Incl. Schizocladophyceae, Phaeothamniales, Aurearenophyceae.

¹⁵⁰Incl. *Olisthodiscus* sed.m.

¹⁵¹Incl. Stylonematophyceae, Porphyridiophyceae, Compsogonophyceae.

Phylum 39. CHLOROPHYTA [⁶*Volvox*]* s.a.

Subphylum *Chlorophytina* [^{5,8}*Volvox*]

- Classis 1(222). *Prasinococrophyceae* [⁵*Prasinococcus*]¹⁵²
2(223). *Pyraminomonadophyceae* [⁵*Pyraminomonas*]
3(224). *Mamiellophyceae* [⁵*Mamiella*]
4(225). *Nephroselmidophyceae* [⁵*Nephroselmis*]* s.a.¹⁵³
5(226). *Pedinophyceae* [⁵*Pedinomonas*]
6(227). *Chlorodendrophyceae* [⁵*Tetraselmis*]¹⁵⁴
7(228). *Chlorellophyceae* [⁵*Chlorella*]
8(229). *Trebouxiophyceae* [⁵*Trebouxia*]¹⁵⁵
9(230). *Chlorophyceae* [⁵*Volvox*]
10(231). *Ulvophyceae* [⁵*Ulva*]

Subphylum *Charophytina* [^{5,8}*Chara*]*

- Classis 11(232). *Streptofilophyceae* [⁵*Streptofilum*]
12(233). *Mesostigmatophyceae* [⁵*Mesostigma*]¹⁵⁶
13(234). *Charophyceae* [⁵*Chara*]*¹⁵⁷

Regnum Vegetabilia [⁷*Magnolia*]

Phylum 40. BRYOPHYTA [⁶*Bryum*]

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

- Classis 1(235). *Haplomitriopsida* [⁵*Haplomitrium*]¹⁵⁸
2(236). *Marchantiopsida* [⁵*Marchantia*]¹⁵⁹
3(237). *Jungermanniopsida* [⁵*Jungermannia*]¹⁶⁰

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

- Classis 4(238). *Takakiopsida* [⁵*Takakia*]
5(239). *Sphagnopsida* [⁵*Sphagnum*]
6(240). *Andreaeopsida* [⁵*Andreaea*]¹⁶¹
7(241). *Polytrichopsida* [⁵*Polytrichum*]*¹⁶²
8(242). *Bryopsida* [⁵*Bryum*]¹⁶³

¹⁵²Incl. *Prasinoderma*, Palmophyllales, (*Palmophyllum*, *Verdigellas*).

¹⁵³Incl. 'Clade VIII', Pycnococcaceae, 'Clade IX', *Picocystis*, 'CCMP-1205'.

¹⁵⁴Incl. *Scherffelia*, *Oltmannsielliopsis* sed.m.

¹⁵⁵Incl. *Geminella*, *Helicosporidium*, *Prasiola*.

¹⁵⁶Incl. *Chlorokybus*, *Spirotaenia*.

¹⁵⁷= = Phragmoplastophyta, incl. Klebsormidiophyceae, Conjugatophyceae.

¹⁵⁸Incl. Treubiales.

¹⁵⁹Incl. Blasiales, Sphaerocarpaceae, Monocleales.

¹⁶⁰Incl. Pelliales, Fossombroniales, Pallaviciniales.

¹⁶¹Incl. *Andreaeobryum* stat.m.i.

¹⁶²Incl. Tetrarhizales i.s., Oedipodiales stat.m.

¹⁶³Incl. Buxbaumiales sed.m., Diphysciales sed.m., Timmiales.

Subphylum *Anthocerotophytina* [^{5,8}*Anthoceros*]
Classis 9(243). *Anthocerotopsida* [⁵*Anthoceros*]¹⁶⁴

Phylum 41. PTERIDOPHYTA [⁶*Pteris*]*

Subphylum *Lycopodiophytina* [^{5,8}*Lycopodium*]
Classis 1(244). *Lycopodiopsida* [⁵*Lycopodium*]¹⁶⁵

Subphylum *Pteridophytina* [^{5,8}*Pteris*]
Classis 2(245). *Equisetopsida* [⁵*Equisetum*]
3(246). *Psilotopsida* [⁵*Psilotum*]
4(247). *Ophioglossopsida* [⁵*Ophioglossum*]
5(248). *Marattiopsida* [⁵*Marattia*]
6(249). *Pteridopsida* [⁵*Pteris*]

Phylum 42. SPERMATOPHYTA [⁶*Magnolia*] s.a.

Classis 1(250). *Ginkgoopsida* [⁵*Ginkgo*]
2(251). *Cycadopsida* [⁵*Cycas*]
3(252). *Angiospermae* [⁵*Magnolia*]
4(253). *Gnetopsida* [⁵*Gnetum*] stat.m.
5(254). *Pinopsida* [⁵*Pinus*]¹⁶⁶

Regnum Animalia [⁷*Araneus*]¹⁶⁷

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

Phylum 43. PORIFERA [⁶*Spongia*]

Subphylum *Silicea* [^{5,8}*Spongia*] stat.m.
Classis 1(255). *Hexactinellea* [⁵*Euplectella*]
2(256). *Demospongia* [⁵*Spongia*] s.aggr.

Subphylum *Calcispongia* [^{5,8}*Sycetta*] stat.m.
Classis 3(257). *Calcarea* [⁵*Sycetta*]
4(258). *Homoscleromorpha* [⁵*Oscarella*]

Subregnum *Ctenophora* [^{6,8}*Ctenoplana*]

Phylum 44. CTENOPHORA [⁶*Ctenoplana*]
Classis 1(259). *Ctenophoroidea* [⁵*Ctenoplana*]¹⁶⁸

¹⁶⁴Incl. Leiosporocerotales.

¹⁶⁵Incl. Isoëtopsida stat.m.

¹⁶⁶Incl. Cupressopsida.

¹⁶⁷Incl. *Salinella* i.s.

¹⁶⁸Incl. Tentaculifera, Nuda.

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

Phylum 45. PLACOZOA [⁶*Trichoplax*]

Classis 1(260). *Trichoplacoidea* [⁵*Trichoplax*]

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

Phylum 46. ANTHOZOA [⁶*Actinia*]

Classis 1(261). *Hexacorallia* [⁵*Actinia*]

2(262). *Octocorallia* [⁵*Alcyonium*]

Phylum 47. MEDUSOZOA [⁶*Hydra*]

Subphylum *Natantes*[†] [^{5,8}*Hydra*]

Classis 1(263). *Coronatae* [⁵*Linuche*]

2(264). *Staurozoa* [⁵*Lucernaria*]

3(265). *Cubozoa* [⁵*Carybdea*]

4(266). *Scyphozoa* [⁵*Aurelia*]

5(267). *Hydrozoa* [⁵*Hydra*]

Subphylum *Myxozoa* [^{5,8}*Myxidium*]

Classis 6(268). *Polypodiozoa* [⁵*Polypodium*]

7(269). *Malacosporea* [⁵*Tetracapsula*]¹⁶⁹

8(270). *Myxosporea* [⁵*Myxidium*]¹⁷⁰

Subregnum *Bilateria* [^{6,8}*Araneus*]

Infraregnum *Xenacoelomorpha* [^{6,5}*Convoluta*]

Phylum 48. ACOELOMORPHA [⁶*Convoluta*]

Classis 1(271). *Acoela* [⁵*Convoluta*]

2(272). *Nemertodermatida* [⁵*Nemertoderma*]

3(273). *Xenoturbelloidea* [⁵*Xenoturbella*]

Infraregnum *Deuterostomia* [^{6,5}*Felis*]

Phylum 49. ECHINODERMATA [⁶*Echinus*]

Classis 1(274). *Crinoidea* [⁵*Metacrinus*]

2(275). *Asteroidea* [⁵*Asterias*]¹⁷¹

3(276). *Echinoidea* [⁵*Echinus*]

4(277). *Ophiuroidea* [⁵*Ophiura*]

5(278). *Holothurioidea* [⁵*Holothuria*]

¹⁶⁹= *Tetracapsula*, *Buddenbrockia*.

¹⁷⁰= Actinomyxidida.

¹⁷¹Incl. *Xyloplax*.

Phylum 50. HEMICHORDATA [⁶*Balanoglossus*]
Classis 1(279). *Enteropneusta* [⁵*Balanoglossus*]*¹⁷²
2(280). *Pterobranchia* [⁵*Rhabdopleura*]

Phylum 51. CHORDATA [⁶*Felis*] s.a.
Subphylum Cephalochordata [^{5,8}*Branchiostoma*]
Classis 1(281). *Leptocardii* [⁵*Branchiostoma*]

Subphylum Vertebrata [^{5,8}*Felis*]
Classis 2(282). *Cyclostomata* [⁵*Myxine*]*
3(283). *Chondrichthyes* [⁵*Squalus*]
4(284). *Actinopterygii* [⁵*Perca*]
5(285). *Dipnoi* [⁵*Protopterus*]¹⁷³
6(286). *Amphibia* [⁵*Rana*]
7(287). *Reptilia* [⁵*Gecko*]*
8(288). *Aves* [⁵*Gallus*]¹⁷⁴
9(289). *Mammalia* [⁵*Felis*]

Subphylum Tunicata [^{5,8}*Ascidia*] stat.m.i.
Classis 10(290). *Larvacea* [⁵*Oikopleura*]
11(291). *Ascidacea* [⁵*Ascidia*]¹⁷⁵

Infraregnum Protostomia [^{6,5}*Araneus*]

Superphylum *Spiralia* [^{6,2}*Nereis*]

Phylum 52. PLATYZOA [⁶*Fasciola*] s.a.

Subphylum Gnathifera [^{5,8}*Rotifer*] s.a.
Classis 1(292). *Gnathostomulida* [⁵*Gnathostomula*]¹⁷⁶
2(293). *Micrognathozoa* [⁵*Limnognathia*] sed.m.
3(294). *Syndermata* [⁵*Rotifer*]¹⁷⁷

Subphylum Gastrotricha [^{5,8}*Macrodasy*] stat.m.i.
Classis 4(295). *Gastrotrichoidea* [⁵*Macrodasy*]

Subphylum Mesozoa [^{5,8}*Dicyema*]
Classis 5(296). *Dicyemida* [⁵*Dicyema*]

Subphylum Platyhelminthes [^{5,8}*Fasciola*]
Classis 6(297). *Catenulida* [⁵*Catenula*]
7(298). *Rhabditophora* [⁵*Planaria*]*¹⁷⁸

¹⁷²Incl. *Planctosphaera*.

¹⁷³Incl. *Latimeria*.

¹⁷⁴Incl. Dinosauromorpha.

¹⁷⁵Incl. Thaliacea, Sorberacea.

¹⁷⁶Incl. Filospermoidea, Bursovaginoidea.

¹⁷⁷Incl. *Seison*, Bdelloidea, Acanthocephala s.l., Monogononta.

¹⁷⁸Incl. Macrostromida, Polycladida, Neoophora s.s.

8(299). *Neodermata* [⁵*Fasciola*]¹⁷⁹

Phylum 53. MOLLUSCA [⁶*Limax*]

- Classis 1(300). *Aplacophora* [⁵*Neomenia*]¹⁸⁰
2(301). *Polyplacophora* [⁵*Chiton*]
3(302). *Monoplacophora* [⁵*Monoplacophorus*]
4(303). *Cephalopoda* [⁵*Octopus*]
5(304). *Scaphopoda* [⁵*Dentalium*]
6(305). *Gastropoda* [⁵*Limax*]
7(306). *Bivalvia* [⁵*Mytilus*]

Phylum 54. LOPHOPHORATA [⁶*Lingula*] stat.m.

Subphylum *Brachiozoa* [^{5,8}*Lingula*]

- Classis 1(307). *Linguliformea* [⁵*Lingula*]
2(308). *Craniiformea* [⁵*Craniscus*]
3(309). *Rhynchonelliformea* [⁵*Rhynchonella*]
4(310). *Phoronida* [⁵*Phoronis*]

Subphylum *Ectoprocta* [^{5,8}*Flustra*]

- Classis 5(311). *Phylactolaemata* [⁵*Plumatella*]
6(312). *Gymnolaemata* [⁵*Flustra*]¹⁸¹

Subphylum *Kamptozoa* [^{5,8}*Pedicellina*]

- Classis 7(313). *Cycliophora* [⁵*Symbion*]
8(314). *Entoprocta* [⁵*Pedicellina*]

Phylum 55. NEMERTEA [⁶*Nemertes*]

- Classis 1(315). *Archynchocoela* [⁵*Archynchonemertes*]
2(316). *Nemertini* [⁵*Nemertes*]¹⁸²

Phylum 56. ANNELIDA [⁶*Nereis*]

- Classis 1(317). *Orthonectida* [⁵*Rhopalura*] sed.m.
2(318). *Sipunculida* [⁵*Sipunculus*]
3(319). *Myzostomida* [⁵*Myzostoma*] sed.m.
4(320). *Euannelida* [⁵*Nereis*]*¹⁸³
5(321). *Clitellata* [⁵*Limbricus*]¹⁸⁴

¹⁷⁹Incl. Monogenea, Trematoda, Cestoda.

¹⁸⁰Incl. Caudofoveata.

¹⁸¹Incl. Stenolaemata.

¹⁸²Incl. Anopla, Enopla.

¹⁸³Incl. Amphinomidae, Chaetopteridae sed.m., Echiura, Oweniidae sed.m., Magelonidae sed.m., Sibolginida, *Diurodrius*, *Jennaria*, *Lobatocerebrum*.

¹⁸⁴Incl. Aelosomata, Hirudinea.

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

Phylum 57. CHAETOGNATHA [⁶*Sagitta*]

Classis 1(322). *Sagittoidea* [⁵*Sagitta*]

Superphylum *Ecdysozoa* [^{6.2}*Araneus*]

Phylum 58. NEMATHELMINTHES [⁶*Ascaris*] s.a.

Classis 1(323). *Priapulida* [⁵*Priapulidus*]

2(324). *Kinorhyncha* [⁵*Kinorhynchus*]

3(325). *Nematomorpha* [⁵*Gordius*]

4(326). *Nematoda* [⁵*Ascaris*]¹⁸⁵

5(327). *Loricifera* [⁵*Nanaloricus*]

Phylum 59. ARTHROPODA [⁶*Araneus*] s.a.

Subphylum *Lobopoda* [^{5.8}*Peripatus*] stat.m.

Classis 1(328). *Onychophora* [⁵*Peripatus*]

Subphylum *Tardigrada* [^{5.8}*Macrobiotus*] stat.m.

Classis 2(329). *Tardigradoidea* [⁵*Macrobiotus*]¹⁸⁶

Subphylum *Cheliceromorpha* [^{5.8}*Araneus*]

Classis 3(330). *Pantopoda* [⁵*Pycnogonum*]

4(331). *Chelicerata* [⁵*Araneus*]¹⁸⁷

Subphylum *Myriapoda* [^{5.8}*Scolopendra*]

Classis 5(332). *Chilopoda* [⁵*Scolopendra*]

6(333). *Symphyla* [⁵*Symphylella*]

7(334). *Pauropoda* [⁵*Pauropus*]

8(335). *Diplopoda* [⁵*Julus*]

Subphylum *Pancrustacea* [^{5.8}*Scarabaeus*]

Classis 9(336). *Oligostraca* [⁵*Argulus*] s.a., stat.m.¹⁸⁸

10(337). *Ostracoda* [⁵*Cypris*]

11(338). *Thecostraca* [⁵*Lepax*]¹⁸⁹

12(339). *Copepodoidea* [⁵*Cyclops*]

13(340). *Malacostraca* [⁵*Cancer*]¹⁹⁰

14(341). *Cephalocarida* [⁵*Hutchinsoniella*]

15(342). *Branchiopoda* [⁵*Daphnia*]

16(343). *Remipedia* [⁵*Speleonectes*]

17(344). *Hexapoda* [⁵*Scarabaeus*] s.a.¹⁹¹

¹⁸⁵Incl. Adenophorea, Secernentea.

¹⁸⁶Incl. Mesotardigrada nomen dubium, Heterotardigrada, Eutardigrada, Apotargigrada.

¹⁸⁷Incl. Xiphosura.

¹⁸⁸Incl. Branchiura, Pentastomida sed.m., Mystacocarida sed.m.

¹⁸⁹Incl. Tantulocarida, Facetotecta, Ascothoracida.

¹⁹⁰Incl. Leptostraca.

¹⁹¹Incl. Entognatha.