

Systema Naturae*

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Regnum Monera [⁷*Bacillus*]

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

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

Phylum 1. SPIROCHAETAE [⁶*Spirochaeta*]

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

Phylum 2. ELUSIMICROBIA [⁶*Elusimicrobium*]³

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

2(3). *Goldbacteria* [⁵*Cellulosimonas*]

3(4). *Aerophobetes* [⁵*Aerophobus*]⁵

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

Phylum 3. PLANCTOBACTERIA [⁶*Planctomyces*]⁷

Classis 1(6). *Poribacteria* [⁵*Poribacter*']

2(7). *Planctomycetia* [⁵*Planctomyces*]⁸

3(8). *Lentisphaeria* [⁵*Lentisphaera*]⁹

4(9). *Verrucomicrobiia* [⁵*Verrucomicrobium*]¹⁰

5(10). *Kiritimatiellaeota* [⁵*Kiritimatiella*]

*Only recent taxa of undeniable living things are included. Abbreviations and signs: sed.m. (*sedis mutabilis*); stat.m. (*status mutabilis*); i.s. (*incertae sedis*); s.s. (*sensu stricto*); s.a. (*sensu amplo*); n.prop. (*nomina proposita*); excl. (*exclusum*); p.p. (*pro parte*); 'single quotes' (non-standard names); * (paraphyletic).

¹'Nanobacteria' i.s. et dubitativa.

²*Leptospira*

³'Firestonebacteria', 'Desantisbacteria'

⁴'Endomicrobia', 'TG1'

⁵'CD12'

⁶'NKB19'

⁷'PVC'

⁸Phycisphaerae

⁹*Oligosphaera*

¹⁰Opitutia, Spartobacteria

- 6(11). *Omnitrophica* [⁵*Omnitrophus*] ¹¹
 7(12). *Chlamydiia* [⁵*Chlamydia*]

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

- Classis 1(13). *Cloacimonetes* [⁵*Cloacimonas*] ¹³
 2(14). *Fibrobacteria* [⁵*Fibrobacter*] ¹⁴
 3(15). *Gemmatimonadetes* [⁵*Gemmatimonas*] ¹⁵
 4(16). *Calditrichaeota* [⁵*Caldithrix*]
 5(17). *Latescibacteria* [⁵*Latescibacter*] ¹⁶
 6(18). *Bacteroidia* [⁵*Bacteroides*] ¹⁷
 7(19). *Rhodothermaeota* [⁵*Salinibacter*] ¹⁸
 8(20). *Ignavibacteria* [⁵*Ignavibacterium*] ¹⁹
 9(21). *Chlorobia* [⁵*Chlorobium*]
 10(22). *Marinimicrobia* [⁵*Marinimicrobium*] ²⁰

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

- Classis 1(23). *Aquificae* [⁵*Aquifex*] ²²
 2(24). *Epsilonproteobacteria* [⁵*Campylobacter*]
 3(25). *Deferribacteres* [⁵*Deferribacter*]
 4(26). *Calescamantes* [⁵*Calescibacterium*] ²³
 5(27). *Chrysiogenetes* [⁵*Chrysiogenes*]
 6(28). *Acidobacteria* [⁵*Acidobacterium*] ²⁴
 7(29). *Nitrospira* [⁵*Nitrospira*] ²⁵
 8(30). *Aminicenantes* [⁵*Aminicenans*] ²⁶
 9(31). *Sumerlaeota* [⁵*Sumerlaea*] ²⁷

¹¹‘OP3’

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

¹³‘WWE1’

¹⁴‘TG3’

¹⁵*Longimicrobium*

¹⁶‘WS3’, incl. ‘SAUL’ stat.m.

¹⁷Flavobacteria, Sphingobacteria, Cytophagia Saprospira, Chitinophagia

¹⁸Balneolaeota

¹⁹‘OPB56’, Kryptonion

²⁰‘SAR406’

²¹‘Dadabacteria’ (‘CSP 1-2’), ‘Delongbacteria’, ‘Fischerbacteria’, ‘Lambdaproteobacteria’, ‘Lindowbacteria’, ‘Modulibacteria’ (‘KSB3’), ‘Muproteobacteria’, ‘Rokubacteria’, ‘Schekmanbacteria’, ‘Tectomicrobia’ (*Entotheonella*)

²²Hydrogenothermaceae, Thermodesulfobacteriaceae, *Thermosulfidibacter*, Desulfurobacteriaceae

²³‘EM19’

²⁴Halophagae, Solibacteres, Blastocatellia, Vicinamibacteria, Thermoanaerobaculia

²⁵Nitrospinae

²⁶‘OP8’

²⁷‘BRC1’

- 10(32). *Desulfobacteria* [⁵*Desulfobacter*] s.a. ²⁸
 11(33). *Dependentiae* [⁵*Babela*] ²⁹
 12(34). *Methylomirabilia* [⁵*Methylomirabilis*] ³⁰
 13(35). *Rhodobacteria* [⁵*Rhodospirillum*] s.a. ³¹

Superphylum *Terrabacteria* [^{6.2}*Bacillus*]

Phylum 6. FUSOBACTERIOTA [⁶*Fusobacterium*]

Classis 1(36). *Fusobacteria* [⁵*Fusobacterium*]

Phylum 7. SYNERGISTOTA [⁶*Synergistes*] ³²

- Classis 1(37). *Thermi* [⁵*Thermus*] ³³
 2(38). *Synergistia* [⁵*Synergistes*]
 3(39). *Thermotogia* [⁵*Thermotoga*]

Phylum 8. CYANOBACTERIA [⁶*Nostoc*]

- Classis 1(40). *Melainabacteria* [⁵*Obscuribacter*] ³⁴
 2(41). *Vampirovibrionia* [⁵*Vampirovibrio*] ³⁵
 3(42). *Gloeobacteria* [⁵*Gloeobacter*] ³⁶
 4(43). *Oscillatorineae* [⁵*Oscillatoria*]* s.a. ³⁷
 5(44). *Nostocineae* [⁵*Nostoc*]

Phylum 9. ARMATIMONADETES [⁶*Armatimonas*] ³⁸

- Classis 1(45). *Armatimonadia* [⁵*Armatimonas*] ³⁹
 2(46). *Fimbriimonadia* [⁵*Fimbriimonas*]

Phylum 10. CHLOROFLEXES [⁶*Chloroflexus*] ⁴⁰

- Classis 1(47). *Chloroflexi* [⁵*Chloroflexus*]
 2(48). *Thermomicrobia* [⁵*Thermomicrobium*] ⁴¹
 3(49). *Dehalococcoidia* [⁵*Dehalococcoides*] ⁴²
 4(50). *Ktedonobacteria* [⁵*Ktedonobacter*]

²⁸Deltaproteobacteria, Myxobacteria, *Bdellovibrio*, *Deferrisoma*

²⁹‘TM6’

³⁰‘NC10’

³¹Alphaproteobacteria, Acidithiobacillia, Zetaproteobacteria, Betaproteobacteria, Gammaproteobacteria, Oligoflexia

³²DST

³³Deinococcia

³⁴‘Margulisbacteria’ (‘RBX-1’ or ‘ZB3’), ‘Saganbacteria’ (‘WOR-1’)

³⁵‘Sericytochromatia’ (‘Blackallbacteria’) stat.m.

³⁶*Gloeobacter* corresponds with *Aphanothece*

³⁷*Gloeomargarita*, Synechococcineae, Prochlorophyceae, *Acaryochloris*

³⁸Palusbacteriales stat.m., *Abtitibacterium* stat.m. ‘Eremiobacteraeota’ (‘WPS-2’)

³⁹‘OP10’, incl. Chthonomonadetes

⁴⁰‘Umbricyclopia’ (‘TK10’), ‘Limnocyndria’ (‘SL56’), ‘Dormibacteraeota’ (‘AD3’)

⁴¹*Thermobaculum*, *Sphaerobacter*

⁴²*Dehalobium*, *Dehalogenimonas*

5(51). *Caldilineia* [⁵*Caldilinea*] ⁴³

Phylum 11. [⁶*Paceibacter*] ⁴⁴

Classis 1(52). *Microgenomates* [⁵*Microgenomatus*] ⁴⁵

2(53). *Parcubacteria* [⁵*Paceibacter*] ⁴⁶

Phylum 12. FIRMICUTES [⁶*Bacillus*]* s.a. ⁴⁷

Classis 1(54). *Clostridia* [⁵*Clostridium*] s.a. ⁴⁸

2(55). *Limnochordia* [⁵*Limnochorda*]

3(56). *Bacilli* [⁵*Bacillus*] s.a. ⁴⁹

4(57). *Mollicutes* [⁵*Mycoplasma*] ⁵⁰

5(58). *Dictyoglomia* [⁵*Dictyoglomus*]

6(59). *Caldisericia* [⁵*Caldisericum*] ⁵¹

7(60). *Atribacteria* [⁵*Caldatribacterium*] ⁵²

8(61). *Acetothermia* [⁵*Acetothermum*] ⁵³

9(62). *Fervidibacteria* [⁵*Fervidibacter*] ⁵⁴

Phylum 13. ACTINOMYCETIA [⁶*Actinomyces*]

Classis 1(63). *Actinobacteria* [⁵*Actinomyces*] ⁵⁵

⁴³Caldilineae, Thermoflexia, Ardentacatenia

⁴⁴'Candidate Phyla Radiation', 'CPR'

⁴⁵'OP11', incl. 'Amesbacteria', 'Beckwithbacteria', 'Blackburnbacteria', 'Chisholmbacteria', 'Collierbacteria', 'CPR1', 'CPR2', 'CPR3', 'Curtissbacteria', 'Daviesbacteria', 'Dojkabacteria' ('WS6'), 'Gottesmanbacteria', 'Katanobacteria', 'Levybacteria', 'Pacebacteria', 'Roizmanbacteria', 'Shapirobacteria', 'Wirthbacteria', 'Woesebacteria', 'Woykebacteria', 'WWE3'

⁴⁶'OD1', incl. 'Abawacabacteria', 'Absconditabacteria' ('SR1'), 'Adlerbacteria', 'Andersenbacteria', 'Andersenbacteria', 'Azambacteria', 'Berkelbacteria', 'Brennerbacteria', 'Brownbacteria', 'Buchananbacteria', 'Campbellbacteria', 'Colwellbacteria', 'Doudnabacteria', 'Falkowbacteria', 'Giovannonibacteria', 'Gracilibacteria' ('BD1-5', 'GN02'), 'Harrisonbacteria', 'Hugbacteria', 'Jacksonbacteria', 'Jorgensenbacteria', 'Kaiserbacteria', 'Kerfeldbacteria', 'Komeilibacteria', 'Kuenenbacteria', 'Liptonbacteria', 'Lloydbacteria', 'Magasanikbacteria', 'Moranbacteria', 'Nealsonbacteria', 'Niyogibacteria', 'Nomurabacteria', 'Peregrinibacteria', 'Peribacteria', 'Portnoybacteria', 'Ryanbacteria', 'Saccharibacteria' ('TM7'), 'SM2F11', 'Spechtbacteria', 'Staskawiczbacteria', 'Sungbacteria', 'Tagabacteria', 'Taylorbacteria', 'Terrybacteria', 'Uhrbacteria', 'Veblenbacteria', 'Verblenbacteria', 'Vogelbacteria', 'Wildermuthbacteria', 'Wolfbacteria', 'Yanofskybacteria', 'Yonathbacteria', 'Zambryskibacteria'

⁴⁷'Fraserbacteria', 'Riflebacteria', 'Wallbacteria', 'Coatesbacteria', 'GAL15'

⁴⁸Haloanaerobia, Thermolithobacteria stat.m., Symbiobacteria, Tissierella, Selenomonadia (Negativicutes)

⁴⁹Erysipelotrichi, Heliobacteria

⁵⁰Tenericutes, incl. 'Lumbricincola'

⁵¹'OP5', incl. Cryosericotia

⁵²'OP9', 'JS1'

⁵³'OP1' or 'Bipolaricaulota', incl. Coprothermobacteria sed.m.

⁵⁴'OctSpa1-106'

⁵⁵Coriobacteriia, Rubrobacteria, Thermoleophilia, Nitriliruptoria, Acidimicrobia

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

Phylum 14. NANOARCHAEOTA [⁶*Nanoarchaeum*] ⁵⁶

Classis 1(64). *Micrarchaea* [⁵*Micrarchaeum*] ⁵⁷

2(65). ‘*Undinarchaeota*’

3(66). *Nanoarchaea* [⁵*Nanoarchaeum*] ⁵⁸

Phylum 15. EURYARCHAEOTA [⁶*Methanobacterium*] ⁵⁹

Classis 1(67). *Thermococci* [⁵*Thermococcus*]

2(68). *Methanobacteria* [⁵*Methanobacterium*] s.a. ⁶⁰

3(69). *Thermoplasmata* [⁵*Thermoplasma*]

4(70). *Archaeoglobi* [⁵*Archaeoglobus*]

5(71). *Halobacterota* [⁵*Halobacterium*] ⁶¹

Phylum 16. FILARCHAEOTA [⁶*Sulfolobus*]* ⁶²

Classis 1(72). *Cenarchaea* [⁵*Cenarchaeum*] ⁶³

2(73). *Crenarchaea* [⁵*Sulfolobus*] ⁶⁴

3(74). *Korarchaea* [⁵*Korarchaeum*]

Phylum 17. ASGARDARCHAEOTA [⁶*Lokiarchaeum*] ⁶⁵

Classis 1(75). *Lokiarchaea* [⁵*Lokiarchaeum*] ⁶⁶

Regnum Protista [⁷*Euglena*]* ⁶⁷

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

Phylum 18. METAMONADA [⁶*Trichomonas*] s.a.

Classis 1(76). *Anaeromonadea* [⁵*Oxymonas*] ⁶⁸

2(77). *Parabasalea* [⁵*Trichomonas*] ⁶⁹

3(78). *Eopharyngea* [⁵*Hexamita*] ⁷⁰

⁵⁶‘DPANN’, incl. ‘Huberarchaeota’, ‘Pacearchaeota’ ‘Woesearchaeota’

⁵⁷‘Altiarchaeota’, Diapherotrites

⁵⁸Aenigmarcheota, Nanohaloarchaea, Parvarchaea

⁵⁹‘Hadesarchaea’ (‘SAGMEG’), ‘Hydrothermarchaeota’, ‘Theionarchaea’

⁶⁰Methanobacteriales, Methanococcales stat.m., Methanopyrales sed.m.

⁶¹Methanomicrobiales, Methanosarcinales, Halobacteriales, Methanonatronarchaeia

⁶²‘TACK’

⁶³Thaumarcheota, incl. ‘Aigarcheota’, ‘Bathyarchaeota’ (‘MCG’), ‘Brockarchaeota’, ‘Geothermarchaeota’

⁶⁴Desulfurococcales, Caldisphaerales, Thermoproteales, Verstraetearchaeota

⁶⁵‘Gerdarchaeota’, ‘Heimdallarchaeota’

⁶⁶*Prometheoarchaeum*, ‘Odinarchaeota’, ‘Helarchaeota’. ‘Thorarchaeota’

⁶⁷*Magosphaera* i.s., *Luffisphaera* i.s., *Paraluffisphaera* i.s., *Belonocystis* i.s., and many others

⁶⁸Preaxostyla, incl. Oxymonadida, *Trimastix*, *Paratrimastix*

⁶⁹Trichomonadea

⁷⁰Fornicata, incl. Carpediemonadida, Retortamonadida, Diplomonadida

- Phylum 19. DISCOBA [⁶*Euglena*] s.a.
 Subphylum *Malawimonadea* [^{5,8}*Malawimonas*] sed.m.
 Classis 1(79). *Malawimonadea* [⁵*Malawimonas*] ⁷¹
 Subphylum *Loukoozoa* [^{5,8}*Jacoba*]
 Classis 2(80). *Tsukubea* [⁵*Tsukubamonas*]
 3(81). *Jakoba* [⁵*Jakoba*] ⁷²
 Subphylum *Percolozoa* [^{5,8}*Naegleria*]
 Classis 4(82). *Heterolobosea* [⁵*Naegleria*] ⁷³
 Subphylum *Euglenozoa* [^{5,8}*Euglena*]
 Classis 5(83). *Euglenophyceae* [⁵*Euglena*]* s.a. ⁷⁴
 6(84). *Postgaardea* [⁵*Postgaardi*] ⁷⁵
 7(85). *Diplosonematea* [⁵*Diplosonema*] ⁷⁶
 8(86). *Kinetoplastea* [⁵*Bodo*]

Subregnum *Panmycota* [^{6,8}*Agaricus*]* n.prop.

- Phylum 20. SULCOZOA [⁶*Apusomonas*] s.a.
 Classis 1(87). *Ancyromonadea* [⁵*Ancyromonas*] sed.m. ⁷⁷
 2(88). *Mantamonadea* [⁵*Mantamonas*]
 3(89). *Hilomonadea* [⁵*Micronuclearia*] sed.m. ⁷⁸
 4(90). *Anisomonadea* [⁵*Collodictyon*] sed.m. ⁷⁹
 5(91). *Apusomonadea* [⁵*Apusomonas*]
 6(92). *Breviatea* [⁵*Breviata*] ⁸⁰

- Phylum 21. AMOEBOZOA [⁶*Amoeba*] ⁸¹
 Classis 1(93). *Cutosea* [⁵*Squamamoeba*] ⁸²
 2(94). *Mycetozoa* [⁵*Physarum*] ⁸³
 3(95). *Variosea* [⁵*Filamoeba*] ⁸⁴
 4(96). *Archamoebae* [⁵*Mastigamoeba*] ⁸⁵

⁷¹*Gefionella*

⁷²*Andalucia*

⁷³*Acrasis, Percolomonas, Pharyngomonas, Stephanopogon*

⁷⁴*Entosiphonea, Stavomonadea, Ploeotarea, Peranemea*

⁷⁵*Symbiontida*

⁷⁶*Diplonemea*

⁷⁷*Planomonadea*, incl. *Anaeramoeba*, *Discocelia* sed.m.

⁷⁸*Micronuclearia, Rigifila*

⁷⁹'*Diphylleia*' (valid in ICZN only), *Collodictyon, Sulcomonas*

⁸⁰*Lenisia, Subulatomonas, Pygsuia*

⁸¹*Corallomyxa* i.s.

⁸²*Saprocribum, Armaparvus*

⁸³*Ceratiomyxa, Dictyostelia, Myxogastria, Protostelia* p.p., *Semimorula*

⁸⁴*Protostelia* p.p., *Acramoeba, Artodiscus, Ceratiomyxella, Filamoeba, Flamella, Multicilia, Phalansterium*

⁸⁵*Entamoeba, Rhizomastix*

- 5(97). *Tubulinea* [⁵*Amoeba*] ⁸⁶
 6(98). *Discosea* [⁵*Acanthamoeba*] ⁸⁷

Phylum 22. OPISTHOSPORIDIA [⁶*Rozella*]* ⁸⁸

- Classis 1(99). *Cristidiscoidea* [⁵*Nuclearia*] ⁸⁹
 2(100). *Cryptomycetes* [⁵*Rozella*] ⁹⁰
 3(101). *Microsporea* [⁵*Microsporidium*] ⁹¹
 4(102). *Aphelidea* [⁵*Aphelidium*]

Phylum 23. EOMYCOTA [⁶*Mucor*]* n.prop., s.a. ⁹²

- Classis 1(103). *Blastocladiomycetes* [⁵*Blastocladium*]
 2(104). *Chytridiomycetes* [⁵*Chytridiopsis*] ⁹³
 3(105). *Nephridiophagida* [⁵*Nephridiophaga*] stat.m.
 4(106). *Olpidiomycetes* [⁵*Olpidium*] ⁹⁴
 5(107). *Kickxellomycetes* [⁵*Kickxella*] ⁹⁵
 6(108). *Mucoromycetes* [⁵*Mucor*]* ⁹⁶
 7(109). *Sanchytriomycetes* [⁵*Sanchytrium*] ⁹⁷
 8(110). *Glomeromycetes* [⁵*Glomus*] ⁹⁸

Phylum 24. BASIDIOMYCOTA [⁶*Agaricus*]

Subphylum *Entorrhizomycota* [^{5,8}*Entorrhiza*] stat.m.

- Classis 1(111). *Entorrhizomycetes* [⁵*Entorrhiza*]

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

- Classis 2(112). *Exobasidiomycetes* [⁵*Exobasidium*]
 3(113). *Ustilaginomycetes* [⁵*Ustilago*]
 4(114). *Moniliellomycetes* [⁵*Moniliella*]
 5(115). *Malasseziomycetes* [⁵*Malassezia*] ⁹⁹

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

- Classis 6(116). *Tritirachiomycetes* [⁵*Tritirachium*]
 7(117). *Agaricostilbomycetes* [⁵*Agaricostilbum*]
 8(118). *Spiculogloeomycetes* [⁵*Spiculogloea*]

⁸⁶Corycida, *Copromyxa*

⁸⁷Dermamoebida

⁸⁸'Basal Clone Group 2'

⁸⁹*Fonticula*, *Parvularia*

⁹⁰'NCLC1', *Mitosporidium*, *Morellospora*

⁹¹*Nucleophaga*, *Chytridiopsis*, Metchnikovellidae

⁹²'Basal Clone Group 1'

⁹³Monoblepharidales, Neocallimastigales, Hyaloraphidiomycetes, *Thalassochytrium*

⁹⁴*Caulochytrium* i.s.

⁹⁵Asellariales, Basidiobolales, Entomophthorales, Harpellales, Neozygitales, Zoopagales, Orpheliales

⁹⁶Endogonales, Mortierellales, Calcarisporiellomycota

⁹⁷*Amoeboradix*

⁹⁸Glomeromycetes, Archaeosporomycetes, Paraglomeromycetes

⁹⁹*Cintractiella* sed.m.

- 9(119). *Pucciniomycetes* [⁵*Uredo*]
 10(120). *Classiculomycetes* [⁵*Classicula*]
 11(121). *Atractiellomycetes* [⁵*Atractiella*]
 12(122). *Cystobasidiomycetes* [⁵*Cystobasidium*]
 13(123). *Microbotryomycetes* [⁵*Microbotryum*] ¹⁰⁰
 14(124). *Mixiomycetes* [⁵*Mixia*]

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

- Classis 15(125). *Bartheletiomycetes* [⁵*Bartheletia*] sed.m.
 16(126). *Wallemiomycetes* [⁵*Wallemia*] ¹⁰¹

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

- Classis 17(127). *Tremellomycetes* [⁵*Tremella*]
 18(128). *Dacrymycetes* [⁵*Dacrymyces*]
 19(129). *Agaricomycetes* [⁵*Agaricus*]

Phylum 25. ASCOMYCOTA [⁶*Ascomyces*] ¹⁰²

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

- Classis 1(130). *Nelectomycetes* [⁵*Nelecta*]
 2(131). *Taphrinomycetes* [⁵*Ascomyces*] ¹⁰³
 3(132). *Archaeorhizomycetes* [⁵*Archaeorhizomyces*]
 4(133). *Saccharomycetes* [⁵*Saccaromyces*]

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

- Classis 5(134). *Pezizomycetes* [⁵*Tuber*]
 6(135). *Orbiliomycetes* [⁵*Orbilina*]
 7(136). *Leotiomycetes* [⁵*Leotia*] ¹⁰⁴
 8(137). *Xylonomycetes* [⁵*Xylona*]
 9(138). *Sareomycetes* [⁵*Sarea*]
 10(139). *Lecanoromycetes* [⁵*Lecanora*] ¹⁰⁵
 11(140). *Dothideomycetes* [⁵*Dothidea*] ¹⁰⁶
 12(141). *Laboulbeniomycetes* [⁵*Laboulbenia*]
 13(142). *Sordariomycetes* [⁵*Sordaria*]
 14(143). *Geoglossomycetes* [⁵*Geoglossum*]
 15(144). *Lichinomycetes* [⁵*Lichina*] ¹⁰⁷
 16(145). *Eurotiomycetes* [⁵*Penicillium*] ¹⁰⁸

¹⁰⁰Cryptomycocolacales sed.m.

¹⁰¹*Basidioascus*, *Geminibasidium*, *Chernovia*

¹⁰²*Spirogyromyces* i.s.

¹⁰³*Saitoella*, Schizosaccharomycetes, *Pneumocystis*

¹⁰⁴*Trizobia*

¹⁰⁵Candelariomycetes

¹⁰⁶Arthoniales stat.m., Symbiotaphrinales sed.m.

¹⁰⁷Coniocybomycetes

¹⁰⁸Xylobotryomycetes stat.m.

Phylum 26. CHOANOZOA [⁶*Codosiga*]* s.a.

- Classis 1(146). *Ichthyosporea* [⁵*Ichthyophonus*] ¹⁰⁹
2(147). *Pluriformea* [⁵*Corallochytrium*] ¹¹⁰
3(148). *Filasterea* [⁵*Capsaspora*] ¹¹¹
4(149). *Choanomonadea* [⁵*Codosiga*]

Subregnum *Panalgae* [^{6,8}*Fucus*] n.prop.

Infraregnum Chromobionta [^{6,5}*Fucus*] s.a. ¹¹²

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

Phylum 27. RHIZARIA [⁶*Cercomonas*] s.a. ¹¹³

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

- Classis 1(150). *Ventrifilosea* [⁵*Coelodendrum*]* s.a. ¹¹⁴
2(151). *Sarcomonadea* [⁵*Cercomonas*] s.a. ¹¹⁵
3(152). *Granofilosea* [⁵*Heliomorpha*] ¹¹⁶
4(153). *Metromonadea* [⁵*Metromonas*] s.a. ¹¹⁷
5(154). *Chlorarachniophyceae* [⁵*Chlorarachnion*] ¹¹⁸

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

- Classis 6(155). *Skiomonadea* [⁵*Tremula*] ¹¹⁹
7(156). *Proteomyxidea* [⁵*Filoreta*]* ¹²⁰
8(157). *Plasmodiophorea* [⁵*Plasmodiophora*] ¹²¹
9(158). *Gromiidea* [⁵*Gromia*]
10(159). *Ascetosporea* [⁵*Haplosporidium*] ¹²²

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

- Classis 11(160). *Taxopodida* [⁵*Sticholonche*] ¹²³
12(161). *Polycystinea* [⁵*Collosphaera*]*
13(162). *Acantharia* [⁵*Acanthometra*]

¹⁰⁹*Amoebidium*, Eccrinales

¹¹⁰*Syssomonas*

¹¹¹*Ministeria*, *Pigoraptor*, *Tunicaraptor* sed.m.

¹¹²'Sar'

¹¹³*Meteora* i.s.

¹¹⁴Phaeodarea, Ebriida, Cryomonadida, Spongomonadidae, Thaumatomonadidae, Euglyphida, *Kraken*, Rotosphaerida, *Pompholyxophrys*, *Mataza*, Chlamydrophyridae

¹¹⁵Cercomonadida, Pansomonadida, Glissomonadida, Viridiraptoridae, Sinauroidea

¹¹⁶*Massisteria*, Desmothoracida, Gymnosphaeridae sed.m., Heliomonadida, *Leucodictyon*, *Reticuloamoeba*

¹¹⁷*Metopion*

¹¹⁸*Minorisa*

¹¹⁹*Aquavolon*

¹²⁰Biomyxidae, *Pseudospora* sed.m., Rhizoplasmidae s.a., *Reticuloamoeba* sed.m.

¹²¹Vampyrellidae, *Phagomyxa*

¹²²Paramyxidia, *Bonamia*, *Claustrosporidium*, *Paradinium*, *Mikrocytos*

¹²³*Larcopyle*

- 14(163). *Monothalamea* [⁵*Allogromia*] ¹²⁴
 15(164). *Tubothalamea* [⁵*Miliolina*]
 16(165). *Globothalamea* [⁵*Rotalia*]

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

Phylum 28. MYZOOA [⁶*Peridinium*]

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

- Classis 1(166). *Colponemida* [⁵*Colponema*] ¹²⁵

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

- Classis 2(167). *Perkinsida* [⁵*Perkinsus*] ¹²⁶
 3(168). *Squirmidea* [⁵*Filipodium*] ¹²⁷
 4(169). *Oxyrriidea* [⁵*Oxyrris*] ¹²⁸
 5(170). *Syndinea* [⁵*Syndinium*] ¹²⁹
 6(171). *Ellobiopsea* [⁵*Ellobiopsis*]
 7(172). *Dinoflagellata* [⁵*Peridinium*] ¹³⁰

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

- Classis 8(173). *Apicomonadea* [⁵*Colpodella*] ¹³¹
 9(174). *Gregarinomorphea* [⁵*Gregarina*] ¹³²
 10(175). *Coccidiomorphea* [⁵*Plasmodium*] ¹³³

Phylum 29. CILIOPHORA [⁶*Paramecium*]

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

- Classis 1(176). *Karyorelictea* [⁵*Trachelocera*]
 2(177). *Heterotrichea* [⁵*Spirostomum*]

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

- Classis 3(178). *Protocruzia* [⁵*Protocruzia*] sed.m.
 4(179). *Colpodea* [⁵*Colpoda*]
 5(180). *Nassophorea* [⁵*Nassula*] ¹³⁵
 6(181). *Phyllopharyngea* [⁵*Podophrya*] ¹³⁶
 7(182). *Plagiopylea* [⁵*Plagiopyla*]
 8(183). *Prostomatea* [⁵*Prorodon*]

¹²⁴Xenophyophorea, Reticulomyxidae, *Komokiacea*, *Schizocladus*

¹²⁵*Acauomonas*, *Palustrimonas*

¹²⁶*Dinovorax*, *Perkinsus*, *Parvilucifera*, *Rastrimonas*, *Snorkelia*, *Phagodinium* sed.m., Xcellidae

¹²⁷*Platyporeum*

¹²⁸*Colpovora*, *Psammosa*

¹²⁹Marine Alveolate Groups I and II, *Ichthyodinium*, *Dubosquella*

¹³⁰*Noctiluca* stat.m.

¹³¹Chromerida, *Platyporeum*, *Piridium*

¹³²*Cryptosporidium*, *Selenidium*

¹³³*Nephromyces*, Piroplasmida

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

¹³⁵Nassulina, Microthoracina

¹³⁶Suctoria, Synchroniida

- 9(184). *Oligohymenophorea* [⁵*Paramecium*]
- Subphylum *Spirotrichia*** [^{5,8}*Oxytricha*] s.a.
- Classis 10(185). *Litostomatea* [⁵*Didinium*]
- 11(186). *Armophorea* [⁵*Metopus*]
- 12(187). *Spirotrichea* [⁵*Oxytricha*] ¹³⁷
- 13(188). *Cariacotrichea* [⁵*Cariacotrix*] sed.m.
- Superphylum *Heterokonta* [^{6,2}*Fucus*]
- Phylum 30. OPALAZOA [⁶*Opalina*]
- Classis 1(189). *Platysulcea* [⁵*Platysulcus*]
- 2(190). *Opalina* [⁵*Opalina*] ¹³⁸
- 3(191). *Placididea* [⁵*Placidia*] ¹³⁹
- 4(192). *Bicoecea* [⁵*Bicosoeca*]
- 5(193). *Labyrinthulea* [⁵*Labyrinthula*] ¹⁴⁰
- 6(194). *Eogyrea* [⁵*Pseudophyllomitus*] ¹⁴¹
- Phylum 31. OOMYCOTA [⁶*Saprolegnia*]
- Classis 1(195). *Oomycetes* [⁵*Saprolegnia*] ¹⁴²
- 2(196). *Bigyromonadea* [⁵*Developayella*] ¹⁴³
- Phylum 32. CHROMOPHYTA [⁶*Fucus*]
- Subphylum *Pelagophytina*** [^{5,8}*Pelagomonas*]
- Classis 1(197). *Bacillariophyceae* [⁵*Diatoma*] s.a.
- 2(198). *Bolidophyceae* [⁵*Bolidomonas*] ¹⁴⁴
- 3(199). *Dictyochophyceae* [⁵*Dictyocha*] ¹⁴⁵
- 4(200). *Pelagophyceae* [⁵*Pelagomonas*] ¹⁴⁶
- 5(201). *Pinguiophyceae* [⁵*Pinguiochrysis*]
- Subphylum *Chrysophytina*** [^{5,8}*Chrysococcus*]
- Classis 6(202). *Eustigmatophyceae* [⁵*Eustigmatos*]
- 7(203). *Chrysophyceae* [⁵*Chrysococcus*] s.a. ¹⁴⁷
- Subphylum *Xanthophytina*** [^{5,8}*Tribonema*]
- Classis 8(204). *Actinophryida* [⁵*Actinophrys*]

¹³⁷*Licnophora* sed.m.

¹³⁸Proteromonadida, Blastocystea

¹³⁹*Incisomonas*, *Solenicola*, *Wobblia*, ‘MAST-3’

¹⁴⁰Amphitremida, excl. *Labyrinthomyxa*

¹⁴¹‘MAST-4’, ‘MAST-6’

¹⁴²Hyphochitriomycetales

¹⁴³Pirsonea

¹⁴⁴Parmales

¹⁴⁵Pedinellales, Rhizochromulinales

¹⁴⁶Sarcinochrysidales, *Olisthodiscus* sed.m.

¹⁴⁷*Picophagus*, *Synchroma*, *Leukarachnion*, *Paraphysomonas*

- 9(205). *Raphidophyceae* [⁵*Rhaphidomonas*] ¹⁴⁸
 10(206). *Phaeothamniophyceae* [⁵*Phaeothamnion*] ¹⁴⁹
 11(207). *Chrysoparadoxophyceae* [⁵*Chrysoparadoxa*]
 12(208). *Xanthophyceae* [⁵*Tribonema*] s.a. ¹⁵⁰
 13(209). *Phaeophyceae* [⁵*Fucus*] ¹⁵¹

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

Phylum 33. TELONEMIA [⁶*Telonema*] sed.m.

Classis 1(210). *Telonemea* [⁵*Telonema*]

Phylum 34. HELIOZOA [⁶*Prymnesium*]

Classis 1(211). *Alveida* [⁵*Ancoracysta*]

2(212). *Prymnesiophyceae* [⁵*Prymnesium*] ¹⁵²

3(213). *Rappephyceae* [⁵'*Rappemonas*'] ¹⁵³

4(214). *Centrohelea* [⁵*Pterocystis*] ¹⁵⁴

Phylum 35. HEMIMASTIGOPHORA [⁶*Spironematella*] sed.m.

Classis 1(215). *Hemimastigea* [⁵*Spironematella*] ¹⁵⁵

Phylum 36. CRYPTISTA [⁶*Cryptomonas*]

Classis 1(216). *Cryptophyceae* [⁵*Cryptomonas*] ¹⁵⁶

2(217). *Leucocrypta* [⁵*Katablepharis*]

3(218). *Palpitia* [⁵*Palpitomonas*]

4(219). *Endohelea* [⁵*Microheliella*] ¹⁵⁷

Phylum 37. RHODELPHIDIA [⁶*Rhodolphus*]

Classis 1(220). *Rhodelphea* [⁵*Rhodolphus*]

2(221). *Picomonadea* [⁵*Picomonas*] sed.m.

Phylum 38. RHODOPHYTA [⁶*Bangia*]

Classis 1(222). *Cyanidiophyceae* [⁵*Cyanidium*]

2(223). *Proteorhodophyceae* [⁵*Rhodella*] ¹⁵⁸

3(224). *Bangiophyceae* [⁵*Bangia*]

4(225). *Florideophyceae* [⁵*Palmaria*]

¹⁴⁸ *Olisthodiscus* sed.m.

¹⁴⁹ Aurearenophyceae

¹⁵⁰ Chrysomerophyceae

¹⁵¹ Schizocladiophyceae

¹⁵² Pavlovophyceae

¹⁵³ 'OM270'

¹⁵⁴ Pterocystida, Panacanthocystida

¹⁵⁵ *Hemimastix*, *Stereonema*, *Paramastix* sed.m.

¹⁵⁶ *Goniomonas*

¹⁵⁷ *Heliomorpha*

¹⁵⁸ Stylonematophyceae, Porphyridiophyceae, Compsogonophyceae

Phylum 39. GLAUCOPHYTA [⁶*Glaucocystis*]

Classis 1(226). *Glaucophyceae* [⁵*Glaucocystis*]

Phylum 40. CHLOROPHYTA [⁶*Volvox*]* s.a.

Subphylum *Prasinodermophytina* [^{5,8}*Prasinoderma*]

Classis 1(227). *Prasinodermophyceae* [⁵*Prasinoderma*]

2(228). *Palmophyllophyceae* [⁵*Palmophyllum*] ¹⁵⁹

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

Classis 3(229). *Pyraminomonadophyceae* [⁵*Pyraminomonas*]

4(230). *Mamiellophyceae* [⁵*Mamiella*]

5(231). *Nephroselmidophyceae* [⁵*Nephroselmis*] ¹⁶⁰

6(232). *Chloropicophyceae* [⁵*Chloropicon*] ¹⁶¹

7(233). *Pedinophyceae* [⁵*Pedinomonas*]

8(234). *Trebouxiophyceae* [⁵*Trebouxia*] ¹⁶²

9(235). *Chlorodendrophyceae* [⁵*Tetraselmis*]

10(236). *Chlorophyceae* [⁵*Volvox*]

11(237). *Ulvophyceae* [⁵*Ulva*] ¹⁶³

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

Classis 12(238). *Streptofilophyceae* [⁵*Streptofilum*]

13(239). *Mesostigmatophyceae* [⁵*Mesostigma*] ¹⁶⁴

14(240). *Charophyceae* [⁵*Chara*]* ¹⁶⁵

Regnum Vegetabilia [⁷*Magnolia*]

Phylum 41. BRYOPHYTA [⁶*Bryum*]

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

Classis 1(241). *Haplomitriopsida* [⁵*Haplomitrium*] ¹⁶⁶

2(242). *Marchantiopsida* [⁵*Marchantia*] ¹⁶⁷

3(243). *Jungermanniopsida* [⁵*Jungermannia*] ¹⁶⁸

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

Classis 4(244). *Takakiopsida* [⁵*Takakia*]

5(245). *Sphagnopsida* [⁵*Sphagnum*]

6(246). *Andreaeopsida* [⁵*Andreaea*] ¹⁶⁹

¹⁵⁹*Prasinococcus*, *Verdigellas*

¹⁶⁰Pseudoscourfeldiales

¹⁶¹*Picocystis* sed.m.

¹⁶²Chlorellophyceae, *Geminella*, *Helicosporidium*, *Prasiola*

¹⁶³*Oltmannsielliopsis*

¹⁶⁴*Chlorokybus*, *Spirotaenia*

¹⁶⁵Phragmoplastophyta, incl. Klebsormidiophyceae, Zygnematophyceae (incl. *Spirogloea*)

¹⁶⁶Treubiales

¹⁶⁷Blasiales, Sphaerocarpales, Monocleales

¹⁶⁸Pelliales, Fossombroniales, Pallaviciniales

¹⁶⁹*Andreaeobryum*

- 7(247). *Oedipodiopsida* [⁵*Oedipodium*]
 8(248). *Polytrichopsida* [⁵*Polytrichum*]* ¹⁷⁰
 9(249). *Bryopsida* [⁵*Bryum*] ¹⁷¹

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

- Classis 10(250). *Anthocerotopsida* [⁵*Anthoceros*] ¹⁷²

Phylum 42. PTERIDOPHYTA [⁶*Pteris*]*

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

- Classis 1(251). *Lycopodiopsida* [⁵*Lycopodium*] ¹⁷³

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

- Classis 2(252). *Equisetopsida* [⁵*Equisetum*]
 3(253). *Psilotopsida* [⁵*Psilotum*]
 4(254). *Ophioglossopsida* [⁵*Ophioglossum*]
 5(255). *Marattiopsida* [⁵*Marattia*]
 6(256). *Pteridopsida* [⁵*Pteris*]

Phylum 43. SPERMATOPHYTA [⁶*Magnolia*] s.a.

- Classis 1(257). *Ginkgoopsida* [⁵*Ginkgo*]
 2(258). *Cycadopsida* [⁵*Cycas*]
 3(259). *Angiospermae* [⁵*Magnolia*]
 4(260). *Gnetopsida* [⁵*Gnetum*] stat.m.
 5(261). *Pinopsida* [⁵*Pinus*] ¹⁷⁴

Regnum Animalia [⁷*Araneus*] ¹⁷⁵

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

Phylum 44. PORIFERA [⁶*Spongia*]

- Classis 1(262). *Hexactinellea* [⁵*Euplectella*]
 2(263). *Demospongia* [⁵*Spongia*] s.a.
 3(264). *Calcarea* [⁵*Sycetta*]
 4(265). *Homoscleromorpha* [⁵*Oscarella*]

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

Phylum 45. CTENOPHORA [⁶*Ctenoplana*]

- Classis 1(266). *Ctenophoroidea* [⁵*Ctenoplana*] ¹⁷⁶

¹⁷⁰Tetraphidales

¹⁷¹Buxbaumiales, Diphysciales, Timmiales

¹⁷²Leiosporocerotales

¹⁷³Isoëtopsida

¹⁷⁴Cupressopsida

¹⁷⁵*Salinella* i.s.

¹⁷⁶Tentaculifera, Nuda

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

Phylum 46. PLACOZOA [⁶*Trichoplax*]

Classis 1(267). *Trichoplacoidea* [⁵*Trichoplax*]

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

Phylum 47. ANTHOZOA [⁶*Actinia*]

Classis 1(268). *Ceriantharia* [⁵*Cerianthus*]

2(269). *Hexacorallia* [⁵*Actinia*]

3(270). *Octocorallia* [⁵*Alcyonium*]

Phylum 48. MEDUSOZOA [⁶*Hydra*]

Subphylum *Natantes* [^{5,8}*Hydra*] n.prop.

Classis 1(271). *Coronatae* [⁵*Linuche*]

2(272). *Staurozoa* [⁵*Lucernaria*]

3(273). *Cubozoa* [⁵*Carybdea*]

4(274). *Scyphozoa* [⁵*Aurelia*]

5(275). *Hydrozoa* [⁵*Hydra*]

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

Classis 6(276). *Polypodiozoa* [⁵*Polypodium*]

7(277). *Malacosporea* [⁵*Tetracapsula*] ¹⁷⁷

8(278). *Myxosporea* [⁵*Myxidium*] ¹⁷⁸

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

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

Phylum 49. ACOELOMORPHA [⁶*Convoluta*]

Classis 1(279). *Acoela* [⁵*Convoluta*]

2(280). *Nemertodermatida* [⁵*Nemertoderma*]

3(281). *Xenoturbelloidea* [⁵*Xenoturbella*]

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

Phylum 50. ECHINODERMATA [⁶*Echinus*]

Classis 1(282). *Crinoidea* [⁵*Metacrinus*]

2(283). *Asteroidea* [⁵*Asterias*] ¹⁷⁹

3(284). *Echinoidea* [⁵*Echinus*]

4(285). *Ophiuroidea* [⁵*Ophiura*]

5(286). *Holothurioidea* [⁵*Holothuria*]

¹⁷⁷ *Tetracapsula*, *Buddenbrockia*

¹⁷⁸ *Actinomyxidia*

¹⁷⁹ *Xyloplax*

Phylum 51. HEMICHORDATA [⁶*Balanoglossus*]
Classis 1(287). *Enteropneusta* [⁵*Balanoglossus*]*¹⁸⁰
2(288). *Pterobranchia* [⁵*Rhabdopleura*]

Phylum 52. CEPHALOCHORDATA [⁶*Branchiostoma*]
Classis 1(289). *Leptocardii* [⁵*Branchiostoma*]

Phylum 53. VERTEBRATA [⁶*Felis*]
Classis 1(290). *Cyclostomata* [⁵*Myxine*]
2(291). *Chondrichthyes* [⁵*Squalus*]
3(292). *Actinopterygii* [⁵*Perca*]
4(293). *Dipnoi* [⁵*Protopterus*]¹⁸¹
5(294). *Amphibia* [⁵*Rana*]
6(295). *Reptilia* [⁵*Gecko*]*
7(296). *Aves* [⁵*Gallus*]¹⁸²
8(297). *Mammalia* [⁵*Felis*]

Phylum 54. TUNICATA [⁶*Ascidia*]
Classis 1(298). *Larvacea* [⁵*Oikopleura*]
2(299). *Ascidacea* [⁵*Ascidia*]¹⁸³

Infraregnum Protostomia [^{6.5}*Araneus*]

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

Phylum 55. CHAETOGNATHA [⁶*Sagitta*] stat.m.
Classis 1(300). *Sagittoidea* [⁵*Sagitta*]

Phylum 56. PLATYZOA [⁶*Fasciola*] s.a.
Subphylum *Gnathifera* [^{5.8}*Rotifer*]

Classis 1(301). *Gnathostomulida* [⁵*Gnathostomula*]¹⁸⁴
2(302). *Micrognathozoa* [⁵*Limnognathia*] sed.m.
3(303). *Syndermata* [⁵*Rotifer*]¹⁸⁵

Subphylum *Gastrotricha* [^{5.8}*Macrodasy*] stat.m.
Classis 4(304). *Gastrotrichoidea* [⁵*Macrodasy*]

Subphylum *Mesozoa* [^{5.8}*Dicyema*] stat.m.
Classis 5(305). *Dicyemida* [⁵*Dicyema*]

¹⁸⁰*Planctosphaera*

¹⁸¹*Latimeria*

¹⁸²Dinosauromorpha

¹⁸³Thaliacea, Sorberacea

¹⁸⁴Filospermoidea, Bursovaginoidea

¹⁸⁵*Seison*, Bdelloidea, Acanthocephala s.l., Monogononta

Subphylum *Platyhelminthes* [^{5,8}*Fasciola*]

- Classis 6(306). *Catenulida* [⁵*Catenula*]
7(307). *Rhabditophora* [⁵*Planaria*]*¹⁸⁶
8(308). *Neodermata* [⁵*Fasciola*]¹⁸⁷

Phylum 57. MOLLUSCA [⁶*Limax*]

- Classis 1(309). *Aplacophora* [⁵*Neomenia*]¹⁸⁸
2(310). *Polyplacophora* [⁵*Chiton*]
3(311). *Monoplacophora* [⁵*Monoplacophorus*]
4(312). *Cephalopoda* [⁵*Octopus*]
5(313). *Bivalvia* [⁵*Mytilus*]
6(314). *Scaphopoda* [⁵*Dentalium*]
7(315). *Gastropoda* [⁵*Limax*]

Phylum 58. LOPHOPHORATA [⁶*Lingula*]

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

- Classis 1(316). *Linguliformea* [⁵*Lingula*]
2(317). *Craniiformea* [⁵*Craniscus*]
3(318). *Rhynchonelliformea* [⁵*Rhynchonella*]
4(319). *Phoronida* [⁵*Phoronis*]

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

- Classis 5(320). *Phylactolaemata* [⁵*Plumatella*]
6(321). *Gymnolaemata* [⁵*Flustra*]¹⁸⁹

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

- Classis 7(322). *Cycliophora* [⁵*Symbion*]
8(323). *Entoprocta* [⁵*Pedicellina*]

Phylum 59. NEMERTEA [⁶*Nemertes*]

- Classis 1(324). *Archynchocoela* [⁵*Archynchonemertes*]
2(325). *Nemertini* [⁵*Nemertes*]¹⁹⁰

Phylum 60. ANNELIDA [⁶*Nereis*]

- Classis 1(326). *Euannelida* [⁵*Nereis*]*¹⁹¹
2(327). *Sipunculida* [⁵*Sipunculus*]
3(328). *Myzostomida* [⁵*Myzostoma*]
4(329). *Orthonectida* [⁵*Rhopalura*]
5(330). *Clitellata* [⁵*Limbricus*]¹⁹²

¹⁸⁶Macrostomida, Polycladida, Neophora s.s.

¹⁸⁷Monogenea, Trematoda, Cestoda

¹⁸⁸Caudofoveata

¹⁸⁹Stenolaemata

¹⁹⁰Anopla, Enopla

¹⁹¹Amphinomidae, Chaetopteridae, Echiura, Oweniidae, Magelonidae, Sibolginida, *Diurodrilus*, *Jennaria*, *Lobatocerebrum*

¹⁹²*Aeolosoma* sed.m., *Hrabeiella* sed.m., Hirudinea

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

Phylum 61. NEMATHELMINTHES [⁶*Ascaris*] s.a.

- Classis 1(331). *Priapulida* [⁵*Priapulus*]
- 2(332). *Kinorhyncha* [⁵*Kinorhynchus*]
- 3(333). *Nematomorpha* [⁵*Gordius*]
- 4(334). *Nematoda* [⁵*Ascaris*] ¹⁹³
- 5(335). *Loricifera* [⁵*Nanaloricus*]

Phylum 62. ARTHROPODA [⁶*Araneus*] s.a.

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

- Classis 1(336). *Onychophora* [⁵*Peripatus*]

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

- Classis 2(337). *Tardigradoidea* [⁵*Macrobiotus*] ¹⁹⁴

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

- Classis 3(338). *Pantopoda* [⁵*Pycnogonum*]
- 4(339). *Chelicerata* [⁵*Araneus*] ¹⁹⁵

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

- Classis 5(340). *Chilopoda* [⁵*Scolopendra*]
- 6(341). *Symphyla* [⁵*Symphylella*]
- 7(342). *Pauropoda* [⁵*Pauropus*]
- 8(343). *Diplopoda* [⁵*Julus*]

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

- Classis 9(344). *Oligostraca* [⁵*Argulus*] stat.m. ¹⁹⁶
- 10(345). *Ostracoda* [⁵*Cypris*] stat.m.
- 11(346). *Thecostraca* [⁵*Lepax*] ¹⁹⁷
- 12(347). *Copepodoidea* [⁵*Cyclops*]
- 13(348). *Malacostraca* [⁵*Cancer*] ¹⁹⁸
- 14(349). *Cephalocarida* [⁵*Hutchinsoniella*]
- 15(350). *Branchiopoda* [⁵*Daphnia*]
- 16(351). *Remipedia* [⁵*Speleonectes*]
- 17(352). *Hexapoda* [⁵*Scarabaeus*] s.a. ¹⁹⁹

¹⁹³Adenophorea, Secernentea

¹⁹⁴'Mesotardigrada', Heterotardigrada, Eutardigrada, Apotargigrada

¹⁹⁵Xiphosura

¹⁹⁶Branchiura, Pentastomida sed.m., Mystacocarida

¹⁹⁷Tantulocarida, Facetotecta, Ascothoracida

¹⁹⁸Leptostraca

¹⁹⁹Entognatha