

The Taxonomicon

Systema Naturae 2000

Classification of
Domain *Eukaryota*
(eukaryotes)
down to Kingdom

Compiled by Drs. S.J. Brands
Universal Taxonomic Services

29 Jan 2024

Systema Naturae 2000

- Domain *Eukaryota* -

Domain *Eukaryota* Chatton, 1925 - eukaryotes

- 1 "*protists*" incertae sedis
- 2 Phylum *Malawimonada* Cavalier-Smith, 2021 [coordinate rank]
- 3 Clade *discaria* Cavalier-Smith, 2021
 - 1 Clade *dorsates* Cavalier-Smith, 2021
 - 1 Class *Planomonadea* Cavalier-Smith, 2021 [coordinate rank]
 - 2 Clade *podiatas* Cavalier-Smith, 2012
 - 1 Clade *Varisulca* Cavalier-Smith, 2012
 - 1 Superclass *Multirhiza* Cavalier-Smith, 2012 [coordinate rank]
 - 2 Superclass *Hilomonadia* Cavalier-Smith, 2012 [coordinate rank]
 - 2 [crown] Clade *Amorphea* Adl *et al.* 2012 [Simpson, Medina & Adl 2020]
 - 1 Phylum *Amoebozoa* Lühe, 1913 [coordinate rank]
 - 2 [crown] Clade *Obazoa* Brown, Sharpe, Silberman, Heiss, Lang, Simpson & Roger 2013
 - 1 Class *Breviatea* Cavalier-Smith, 2004 [coordinate rank] - breviatees
 - 2.1 Class *Thecomonadea* Cavalier-Smith, 1993 [coordinate rank]
 - 2.2 [crown] Clade *Opisthokonta* Cavalier-Smith 1987 [Simpson & Medina 2020] - animal-fungal clade
 - 1 Superkingdom *Holomycota* Liu, Steenkamp, Brinkmann, Forget, Philippe & Lang, 2009
 - 1 Kingdom *Nucleariiae* Tedersoo, Sánchez-Ramírez, Kõljalg, Bahram, Döring, Schigel, May, Ryberg & Abarenkov, 2018
 - 2 [crown] Kingdom *Fungi* R.T.Moore (1980) - fungi
 - 2 Superkingdom *Holozoa* Lang, O'Kelly, Nerad, Gray & Burger, 2002
 - 1 Class *Ichthyosporea* Cavalier-Smith, 1998 [coordinate rank]
 - 2 Clade *filozoa* Shalchian-Tabrizi, Minge, Espelund, Orr, Ruden, Jakobsen & Cavalier-Smith, 2008
 - 1 Class *Filasterea* Cavalier-Smith, 2008 [coordinate rank]
 - 2.1 Class *Choanoflagellatea* Cavalier-Smith, 1998 [coordinate rank]
 - 2.2 Kingdom *Animalia* Linnaeus, 1758 - animals
 - 2 Clade *natates* Cavalier-Smith, 2021
 - 1 Phylum *Metamonada* Grassé, 1952 [coordinate rank]
 - 2 Clade *photaria* Cavalier-Smith, 2021
 - 1 Clade *Discoba* Simpson 2009
 - 1 Class *Jakobea* Cavalier-Smith, 1997 [coordinate rank]
 - 2.1 Class *Tsukubamonadea* Cavalier-Smith, 2012 [coordinate rank]
 - 2.2 Superphylum *Discicristata* Cavalier-Smith, 1998 [coordinate rank]
 - 2 Clade *eucocta* Cavalier-Smith, 2021
 - 1 Phylum *Hemimastigophora* Foissner, Blatterer & Foissner, 1988 [coordinate rank]
 - 2 Superkingdom *Corticata* Lankester, 1878 - corticates
 - 1 Kingdom *Chromista* Caval.-Sm. (1981) - chromists
 - 2 Kingdom *Plantae* Haeckel (1866) - plants

Citation: Brands, S.J. (ed.), 2024. Classification of Domain *Eukaryota* (eukaryotes) down to Kingdom. In Systema Naturae 2000. *The Taxonomicon*. Universal Taxonomic Services, Zwaag, The Netherlands, 29 Jan 2024. <<http://taxonomicon.taxonomy.nl/TaxonTree.aspx?src=0&id=71606>>

Sources

- Adl, S.M., Simpson, A.G.B., Farmer, M.A., Andersen, R.A., Anderson, O.R., Barta, J.R., Bowser, S.S., Brugerolle, G., Fensome, R.A., Fredericq, S., James, T.Y., Karpov, S., Kugrens, P., Krug, J., Lane, C.E., Lewis, L.A., Lodge, J., Lynn, D.H. et al., 2005. The New Higher Level Classification of Eukaryotes with Emphasis on the Taxonomy of Protists. *J. Eukaryot. Microbiol.* **52** (5), Sep-Oct 2005: 399-451.
- Cavalier-Smith, T., 2013(2012). Early evolution of eukaryote feeding modes, cell structural diversity, and classification of the protozoan phyla Loukozoa, Sulcozoa, and Choanozoa. *Europ. J. Protistol.* **49** (2), May 2013: 115-178.
- Cavalier-Smith, T., 2022(2021). Ciliary transition zone evolution and the root of the eukaryote tree: implications for opisthokont origin and classification of kingdoms Protozoa, Plantae, and Fungi. *Protoplasma* **259**, May 2022: 487-593.
- Cavalier-Smith, T., 2022(2021) (alt.). [Cladistic Classification]. *Protoplasma* **259**, May 2022: table 2 (pp. 564-565), fig. 11.
- Cavalier-Smith, T., Chao, E.E. & Lewis, R., 2015. Multiple origins of Heliozoa from flagellate ancestors: New cryptist subphylum Corbihelia, superclass Corbistoma, and monophyly of Haptista, Cryptista, Hacrobia and Chromista. *Mol. Phyl. Evol.* **93**, Dec 2015: 331-362.
- Simpson, A.G.B. & Medina, M., 2020. Opisthokonta T. Cavalier-Smith 1987: Fig. 23.2 [A. G. B. Simpson and M. Medina], converted clade name. In K. de Queiroz, P.D. Cantino & J.A. Gauthier (eds.), *Phylonoms*. CRC Press, Boca Raton, 30 Apr 2020: [103]-108.
- Simpson, A.G.B., Medina, M. & Adl, S.M., 2020. Amorphea S. M. Adl et al. 2012. [A. G. B. Simpson, M. Medina, and S. M. Adl], converted clade name. In K. de Queiroz, P.D. Cantino & J.A. Gauthier (eds.), *Phylonoms*. CRC Press, Boca Raton, 30 Apr 2020: [97]-101.
- Tedersoo, L., Sánchez-Ramírez, S., Kõljalg, U., Bahram, M., Döring, M., Schigel, D., May, T., Ryberg, M. & Abarenkov, K., 2018. High-level classification of the Fungi and a tool for evolutionary ecological analyses. *Fungal Diversity* **90** (1), May 2018: 135-159.

DISCLAIMER: This document is not published for nomenclatural purposes within the meaning of the International Code of Zoological Nomenclature (ICZN) or the International Code of Nomenclature for algae, fungi, and plants (ICN).