Outlineoffungi.org - Note 1473 *Dipodascomycetes*

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Dipodascomycetes M. Groenew., Hittinger, Opulente & A. Rokas

Dipodascomycetes was introduced to accommodate *Dipodascales* M. Groenew., Hittinger, Opulente & A. Rokas as the type order based on morphological characteristics, physiological features, and a concatenation single-model (LG+G4) approach on a data matrix of 1672 taxa (1644 fungi and 28 outgroups) and 290 BUSCO genes (Groenewald et al. 2023). The new class *Dipodascomycetes* are classified under *Saccharomycotina,* and *Ascomycota* (Groenewald et al. 2023). The type family, type genus and type species are *Dipodascaceae* Engl. & E. Gilg, *Dipodascus* Lagerh. and *Dipodascus albidus* Lagerh, respectively (Groenewald et al. 2023). In *Dipodascomycetes*, the diagnosis includes class-specific protein families OG0005588, OG0005810, and OG0006132. This class is characterized by dimorphic yeasts capable of producing arthroconidia (Groenewald et al. 2023). Phylogenetic analyses have been conducted using DNA sequences encoding LSU rDNA, SSU rDNA, mtSSU rDNA, and EF-1α as Kurtzman et al. (2007) described.

References

Groenewald M, Hittinger CT, Bensch K, Opulente DA, et al. 2023 – A genome-informed higher rank classification of the biotechnologically important fungal subphylum *Saccharomycotina.* Studies in Mycology 105(1), 1–22.

Kurtzman CP, Albertyn J, Basehoar-Powers E. 2007 – Multigene phylogenetic analysis of the *Lipomycetaceae* and the proposed transfer of *Zygozyma* species to *Lipomyces* and *Babjevia anomala* to *Dipodascopsis* FEMS Yeast Research 7, 1027–1034.

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