

Outlineoffungi.org - Note 1463 *Dipodascales*

Web-links: [Index Fungorum](#), [Facesoffungi](#), [MycoBank](#), [GenBank](#)

Dipodascales M. Groenew., Hittinger, Ofulente & A. Rokas

Dipodascales was introduced to accommodate *Dipodascaceae* Engl. & E. Gilg as the type family according to 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 order *Dipodascales* are classified under *Dipodascomycetes*, *Saccharomycotina*, and *Ascomycota* (Groenewald et al. 2023). The type genus and type species are *Dipodascus* Lagerh. and *Dipodascus albidus* Lagerh, respectively (Groenewald et al. 2023). Within the order-specific protein family OG0005588, OG0005810, and OG0006132, phylogenetic analyses have been conducted utilizing DNA sequences encoding LSU rDNA, mtSSU rDNA, and Cox2 sequences (Kurtzman & Robnett 2007). Notably, this order contains dimorphic yeasts capable of producing arthroconidia. This ability to exhibit dimorphism and produce arthroconidia (Groenewald et al. 2023). In the *Dipodascales*, *Dipodascaceae* and *Trichomonascaceae* are included (Groenewald et al. 2023).

References

- Groenewald M, Hittinger CT, Bensch K, Ofulente 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, Robnett CJ. 2007 – Multigene phylogenetic analysis of the *Trichomonascus*, *Wickerhamiella* and *Zygoascus* yeast clades, and the proposal of *Sugiyamaella* gen. nov. and 14 new species combinations. *FEMS Yeast Research* 7, 141–151.

Entry by

Maryam Tavakol Noorabadi, Innovative Institute for Plant Health, Zhongkai University of Agriculture and Engineering, Guangzhou 510225, People's Republic of China

(Edited by **Kevin D Hyde**)

Published online 24 July 2024