

## Outlineoffungi.org - Note 1079 *Hyphodontiaceae*

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***Hyphodontiaceae*** Xue W. Wang & L.W. Zhou

*Hyphodontiaceae* was erected by Wang et al. (2021) to accommodate *Hyphodontia* as a monotypic genus based on the morphological characteristics and phylogenetic analysis of ITS, nLSU, mt-SSU, *tef1* $\alpha$ , *rpb1*, *rpb2* and *atp6* sequence data. *Hyphodontia pallidula* is the type species isolated from twigs of *Betula alba* and *Pinus silvestris* trees in Poland. Basidiocarps of *H. pallidula* are resupinate with smooth hymenophores. The hyphal system is monomitic to pseudodimitic with clamp connections. Basidia are clavate in shape while, basidiospores are smooth, hyaline, inamyloid, and acyanophilous. Thirteen species are accepted within *Hyphodontia* (Wang et al. 2021). The taxonomic placement of *Hyphodontiaceae* is in *Hymenochaetales*, *Agaricomycetidae*, *Agaricomycetes*, and *Basidiomycota*.

### Reference

Wang XW, May TW, Liu SL, Zhou LW. 2021 – Towards a natural classification of *Hyphodontia* sensu lato and the trait evolution of basidiocarps within *Hymenochaetales* (*Basidiomycota*). *Journal of Fungi* 7, 478. <https://doi.org/10.3390/jof7060478>

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