

Outline of fungi- Note 1197 *Pseudorepetophragma*

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Pseudorepetophragma Phookamsak, Bhat & Hongsanan

The monotypic genus *Pseudorepetophragma* was erected by Hongsanan et al. (2023) based on morphology and phylogeny (ITS and LSU sequence data). The type species is *Pseudorepetophragma zygopetali* (O.L. Pereira, Meir. Silva & R.F. Castañeda) Phookamsak, Bhat & Hongsanan, which was isolated from sooty blotch on living leaves of *Zygopetalum mackayi* in China. Only the sexual morph has been observed. The hyphae are septate, branched, and dark brown-colored. Conidiophores are macronematous, mononematous, simple, erect, and septate, which contain aremonoblastic, enteroblastic, and integrated conidiogenous cells. Conidia are solitary, cylindrical to obclavate-shaped, septate, with schizolytic secession conidial. Phylogenetically, *Pseudorepetophragma* formed a sister cluster to *Stomiopeltis* and *Chaetothyria* using ITS and LSU sequence data. Morphologically, *Pseudorepetophragma* resembles *Repetophragma zygopetali* but differs in its integrated and monoblastic percurrent structure, with irregularly spaced conidiogenous cells having undulating or uneven apices after each conidial release. (Hongsanan et al. 2023).

Reference

Hongsanan S, Phookamsak R, Bhat DJ et al. 2023 – Exploring ascomycete diversity in Yunnan, China I: resolving ambiguous taxa in *Phaeothecoidiaceae* and investigating conservation implications of fungi. *Front Cell Infect Microbiol* 13.

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