

Outlineoffungi.org - Note 1225 *Proxiovicillium*

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Proxiovicillium L.W. Hou, L. Cai & Crous

Proxiovicillium (*Bionectriaceae*, *Hypocreales*, *Hypocreomycetidae*, *Sordariomycetes*) was introduced by Hou et al. (2023) to accommodate *P. blochii* as the type species. The genus was established based on morphological characteristics and the phylogeny of multiple gene regions (ITS, LSU, *rpb2*, and *tef1*) (Hou et al. 2023). The type species was isolated from human skin in the Netherlands. The other accepted species with molecular data in this genus is *P. lepidopterorum*. Phylogenetically, *Proxiovicillium* is a sister to *Ovicillium*, hence its name reflects the phylogenetic similarity. However, they are morphologically distinct. The conidia of *Proxiovicillium* spp. are typically arranged in interminable chains, while those of *Ovicillium* are clustered in huge globose to subglobose conidial heads. Additionally, the conidia of *Proxiovicillium* spp. are aseptate, hyaline, thin- and smooth-walled, broadly ovoid or ellipsoid, and taper to apiculate bases, and obtuse apices. The sexual morph of *Proxiovicillium* has not yet been reported (Hou et al. 2023).

Reference

Hou LW, Giraldo A, Groenewald JZ, Rämä T et al. 2023 – Redisposition of acremonium-like fungi in *Hypocreales*. *Studies in Mycology* 105, 23–203. <https://doi.org/10.3114/sim.2023.105.02>

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