

## Outlineoffungi.org - Note 1056 *Pseudophlebia*

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### *Pseudophlebia* C.L. Zhao

*Pseudophlebia* was proposed by Zhao et al. (2023) to accommodate *P. setulosa* as the type species, based on morphological characteristics and phylogenetic analysis of ITS, LSU, *tef1* $\alpha$ , *rpb1*, and *rpb2* sequence data. The type species was found on the wood of *Liquidambar* in the USA. Currently, four species accepted in this genus. *Pseudophlebia* differs *Phlebia* by having hard and brittle basidiomata with pale ochraceous to ochraceous yellow-brown to reddish brown hymenial surface and mostly present cystidia (Zhao et al. 2023). Also, the genus comprises a monomitic hyphal system, and thin-walled, colorless, smooth basidiospores. In the generative hyphae, clamp connections are present. *Pseudophlebia* distinct from *Phlebia* in DNA sequences. The taxonomic placement of *Pseudophlebia* is in *Meruliaceae*, *Polyporales*, *Agaricomycetes*, *Agaricomycotina*, and *Basidiomycota*.

### Reference

Zhao C, Qu M, Huang R, Karunarathna SC. 2023 – Multi-gene phylogeny and taxonomy of the wood-rotting fungal genus *Phlebia* sensu lato (*Polyporales*, *Basidiomycota*). *Journal of Fungi* 9(3), 320. <https://doi.org/10.3390/jof9030320>

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