

Outlineoffungi.org - Note 1021 *Allophlebia*

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Allophlebia C.R.S. de Lira, Gibertoni & K.H. Larss.

Allophlebia, a monotypic genus, was established to accommodate *A. ludoviciana* as the type species, based on morphological characteristics and phylogenetic analysis of ITS and LSU sequence data (Lira et al. 2022). *Allophlebia ludoviciana* is a saprobe living on decaying wood in the USA. This species is characterized by resupinate, effused, adnate, ceraceous and pale yellow to deep orange basidiomata, smooth to warted hymenophores, and a monomitic hyphal system. Clamp connections are present. Basidiospores are ellipsoid, smooth, hyaline, inamyloid, non-dextrinoid and acyanophilous while basidia are narrowly clavate with 4 sterigmata. There are two types of hyaline cystidia, which are thin-walled, narrowly obclavate to ventricose leptocystidia and thick-walled, cylindrical metuloid cystidia with encrusted and hyaline crystals (Nakasone et al. 1982; Lira et al. 2022). *Phlebia subochracea* is most similar to *A. ludoviciana* by having yellowish orange basidiomata, but it differs by wider basidiospores and lacking metuloids (Nakasone et al. 1982). The taxonomic placement of *Allophlebia* is in *Meruliaceae*, *Polyporales*, *Agaricomycetes*, *Agaricomycotina*, and *Basidiomycota*.

References

- Nakasone KK, Burdsall HH, Noll LA. 1982 – Species of *Phlebia* section *Leptocystidiophlebia* (*Aphylophorales*, *Corticaceae*) in North America. *Mycotaxon* 14, 3–12. <https://www.fpl.fs.usda.gov/documnts/pdf1982/nakas82b.pdf>
- Lira CRS, Chikowski RS, de Lima, VX, Gibertoni TB, et al. 2022 – *Allophlebia*, a new genus to accommodate *Phlebia ludoviciana* (*Agaricomycetes*, *Polyporales*). *Mycological Progress* 21, 1–11. <https://doi.org/10.1007/s11557-022-01781-5>

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