

Outlineoffungi.org - Note 988 *Allophlebia*

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

Allophlebia, a monotypic genus, was established to accommodate *Allophlebia ludoviciana* (Burt) C.R.S. de Lira & K.H. Larss. based on the morphological characteristics and phylogenetic analysis of ITS and LSU sequence data ([Lira et al. 2022](#)). The type species is a saprobe on decaying wood in USA. In the type species, basidiomata are resupinate, effused, adnate, ceraceous and pale yellow to deep orange. The hymenophores are smooth to warted. The hyphal system is monomitic. Clamp connections are present. Basidiospores are ellipsoid, smooth, hyaline, inamyloid, non-dextrinoid and acyanophilous. 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 the most similar to *A. ludoviciana* by having yellow orange basidiomata, but it is different by wider basidiospores and lacking metuloids ([Nakasone et al. 1982](#)). The taxonomic placement of *Allophlebia* is in *Meruliaceae*, *Polyporales*, *Agaricomycetes*, *Basidiomycota*.

References

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

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