

## Outlineoffungi.org - Note 814 [Heteropsathyrella](#)

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[Heteropsathyrella](#) T. Bau & J.Q. Yan

Bau & Yan (2022) introduced [Heteropsathyrella](#) as a monospecific genus based on [Heteropsathyrella macrocystidia](#) T. Bau & J.Q. Yan as type species. [Heteropsathyrella macrocystidia](#) was isolated as a saprobe on rotten wood in mixed forests of larch and birch in China. This is an agaricoid genus that was placed in *Psathyrellaceae*, *Agaricales*. Phylogenetic analyses based on ITS, LSU, *tef-1 $\alpha$* , and  *$\beta$ -tubulin* sequences indicated its phylogenetic position within *Psathyrellaceae* where it is sister, with high support, to a not fully supported clade including the genera *Cystoagaricus*, *Kauffmania*, and *Typhrasa*. Compared with the other genera of *Psathyrellaceae*, species of this genus can be distinguished by: psathyrelloid basidiomata, adnexed non-deliquestent lamellae, and monomorphic basidia; *pseudoparaphyses* are abundant; the pileipellis is composed of saccate to subglobose cells covered by a one-cell deep layer of periclinal hyphae which are covered by scattered and irregular deposits dissolving in 5% KOH. The asexual morph is unknown in this genus.

### Reference

Bau T, Yan JQ. 2021 – A new genus and four new species in the *Psathyrella* s.l. clade from China. MycoKeys 80, 115-131. <https://doi.org/10.3897/mycokeys.80.65123>

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