

Outlineoffungi.org - Note 635 *Amylosporia*

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Amylosporia B.K. Cui, C.L. Zhao & Y.C. Dai.

This is a monotypic, resupinate polypore genus found growing on decaying angiosperm wood (branches, trunks) (Cui et al. 2019). The genus was proposed to accommodate *Perenniporia hattorii* (Dai et al. 2011) as *A. hattorii*, and so far, no other species have been described or recombined in *Amylosporia* (Cui et al. 2019). Phylogenetic analyses based on ITS, nLSU, *tefl*, mtSSU, *tbb1*, *rpb1*, *rpb2* and nSSU support its inclusion in the family *Polyporaceae* (Cui et al. 2019; Justo et al. 2017). It appears phylogenetically close to *Perenniporia*, *Megasporia*, *Sparsitubus*, *Dichomitus* and other polypore genera, but the exact phylogenetic relations between these genera remain unclear (Cui et al. 2019). This genus is characterized by a combination of amyloid, cyanophilous, thick-walled and truncate basidiospores, and the presence of amyloid and cyanophilous skeletal hyphae (Cui et al. 2019). The asexual morph is unknown. The amyloid reaction of basidiospores and skeletal hyphae is the main morphological feature separating this genus from *Perenniporia* (Cui et al. 2019). *Amylosporia* is known only from Asia (China). *Amylosporia* is currently placed in *Polyporaceae*, *Polyporales*, *Agaricomycetes*, *Basidiomycota*.

References

- Cui BK, Li HJ, Ji X, Zhou JL, Song J, Si J, Yang ZL, Dai YC. 2019 – Species diversity, taxonomy and phylogeny of *Polyporaceae* (*Basidiomycota*) in China. *Fungal Diversity* 97(1):137–392. <https://link.springer.com/article/10.1007/s13225-019-00427-4>
- Dai YC, Cui BK, Yuan HS, He SH, Wei YL, Qin WM, Zhou LW, Li HJ. 2011 – Wood-inhabiting fungi in southern China. 4. Polypores from Hainan Province. *Annales Botanici Fennici* 48(3), 219–231. <https://doi.org/10.5735/085.048.0302>
- Justo A, Miettinen O, Floudas D, Ortiz-Santana B, Sjökvist E, Lindner D, Nakasone K, Niemelä T, Larsson KH, Ryvarden L, Hibbett DS. 2017 – A revised family-level classification of the *Polyporales* (*Basidiomycota*). *Fungal Biology* 121(9), 798–824. <https://doi.org/10.1016/j.funbio.2017.05.010>

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Published online 2 December 2022