

Outlineoffungi.org - Note 729 *Baueromyces*

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Baueromyces Q.M. Wang, Begerow & M. Groenew.

Based on analysis of combined 18S + ITS + 26S D1/D2, *rpb1*, *rpb2* and *ef1* sequence data, Li et al. (2022) introduced *Baueromyces* to accommodate *B. planticola* Q.M. Wang, Begerow & M. Groenew., a newly described asexual morphic basidiomycetous yeast in *Ustilaginomycotina* (Li et al. 2022). It was isolated using a ballistoconidia-fall method from leaves of an unidentified plant in China (Li et al. 2022). The sexual reproduction is not known. Colonies are butyrous, pink, and have smooth margins, budding cells are present, callistoconidia are not produced and hyphae are not formed (Li et al. 2022). The genus is mainly circumscribed by the phylogenetic analysis of the six-gene sequences (Li et al. 2022). *Baueromyces* was proposed for the branch represented by strain CGMCC 2.4532, which formed a separate branch from genera in the *Microstromatales* (*Exobasidiomycetes*) (Li et al. 2022).

Reference

Li Y-Y, Wang, M-M, Groenewald M, Li A-H, Guo Y-T, Wu F, Zhang B-Q, Tanaka E, Wang Q-M, Bai F-Y, Begerow D. 2022 – Proposal of two new combinations, twenty new species, four new genera, one new family, and one new order for the anamorphic basidiomycetous yeast species in *Ustilaginomycotina*. *Frontiers in Microbiology* 12(no. 777338), 23. <https://doi.org/10.3389/fmicb.2021.777338>

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(Edited by **Kevin D Hyde & Rekhani Hansika Perera**)

Published online 14 March 2023