

Outlineoffungi.org - Note 848 *Valentiella*

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Valentiella J.D.P. Bezerra, H.M.C. Navarro, J.H. Almeida, C.R. Félix & M.F. Landell

Valentiella was introduced by Bezerra et al. (2022) to accommodate *V. maceioensis* as the type species, based on morphological characteristics and phylogenetic analysis of ITS and LSU sequence data. *Valentiella maceioensis* was isolated from healthy leaves of *Canistrum improcerum* and *Aechmea muricata* (*Bromeliaceae*) as endophytes in terrestrial habitats in the Atlantic Forest in northeastern Brazil, and a saprobe from carton galleries of an ant-plant association in terrestrial habitats in Costa Rica (Nepel et al. 2014). *Valentiella* is characterized by black yeast-like characters with torulose hyphae, straight or slightly flexuous, septate conidiophores and chains of brown to dark brown fusoid-ellipsoid cells, fusoid-ellipsoid, 0–1-septate, brown to dark brown conidiogenous cells with apical scars at the apex, and ellipsoid, subglobose to globose, light brown to brown conidia. Phylogenetically, *V. maceioensis* was clustered with *Chaetothyriales* sp., and formed a sister group with *Fonsecaea*. Morphology of *V. maceioensis* resembles some *Fonsecaea* species. However, species of *Fonsecaea* are described by sympodial conidiogenesis and conidia arranged in short chains, mainly without budding cells (Najafzadeh 2011). The taxonomic placement of *Valentiella* is in *Herpotrichiellaceae*, *Chaetothyriales*, *Chaetothyriomycetidae*, *Eurotiomycetes*, *Pezizomycotina*, and *Ascomycota*.

References

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- Nepel M, Voglmayr H, Schönenberger J, Mayer VE. 2014 – High diversity and low specificity of chaetothyrialean fungi in carton galleries in a neotropical ant-plant association. *PLoS One* 9(11), e112756. <https://doi.org/10.1371/journal.pone.0112756>

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