

Outlineoffungi.org - Note 867 *Pseudokeissleriella*

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Pseudokeissleriella Jian K. Liu

Pseudokeissleriella was introduced by Yang et al. (2022) to accommodate *P. bambusicola* as the type species, based on morphological characteristics and phylogenetic analysis of SSU, ITS, LSU, and *tef1 α* sequence data. *Pseudokeissleriella* was collected from dead culms of Bamboo in China. *Pseudokeissleriella* is known only from the sexual morph and is characterized by immersed to erumpent, subglobose, dark brown to black, ostiolate ascomata, cylindrical to cylindrical-clavate asci with the ocular chamber, and bi-seriate, fusiform hyaline, septate, guttulate ascospores with or without sheath (Yang et al. 2022). *Pseudokeissleriella* resembles *Katumotoa* by its immersed, subglobose ascomata, but differs by fusiform ascospores tapering to subobtuse ends, with a swollen upper cell near the median septum and with mucilaginous sheath. In contrast, *Katumotoa* species consist of asexual ascospores with distinctive elongated bipolar mucilaginous sheath (Yang et al. 2022). The ascospores of *Pseudokeissleriella* are similar to *Keissleriella*, however *Keissleriella* have brown or black setae inside or around the ostiole (Liu et al. 2015, Tibpromma et al. 2017, Jiang et al. 2019). Phylogenetic analysis based on combined SSU, ITS, LSU and *tef1 α* sequence data showed that *Pseudokeissleriella* formed a sister clade with *Katumotoa* and *Neophiosphaerella*. The taxonomic placement of *Pseudokeissleriella* is in *Lentitheciaceae*, *Pleosporales*, *Dothideomycetes*, and *Ascomycota*.

References

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Entry by

Hong-Wei Shen, College of Agriculture and Biological Science, Dali University, Dali 671003, China; School of Science, Mae Fah Luang University, Chiang Rai 57100, Thailand; Center of Excellence in Fungal Research, Mae Fah Luang University, Chiang Rai 57100, Thailand

(Edited by **Maryam Tavakol Noorabadi**, **Kevin D. Hyde** & **Subodini N. Wijesinghe**)

Published online 2 April 2024