

## Outlineoffungi.org - Note 854 *Brachydictyochaeta*

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### *Brachydictyochaeta* W.P. Wu & Y.Z. Diao

*Brachydictyochaeta* was introduced by Wu & Diao (2022) to accommodate *B. bulliformis* as the type species, based on morphological characters and phylogenetic analyses of combined ITS and LSU sequence data. It comprises two taxa viz. *B. antillana* and *B. bulliformis*, have been reported reported as saprobes on dead leaves, wood and fruits of various plant species in the America and Asia. Morphologically, *Brachydictyochaeta* can be distinguished from *Dictyochaeta* by the production of setae and setiform conidiophores with a sterile, swollen apex and lateral monophialides (Réblová et al. 2021, Wu & Diao 2022). The two species of *Brachydictyochaeta* are morphologically very similar, with 1-celled, hyaline, falcate conidia, but their ITS sequences differ in 16 positions (Wu & Diao 2022). The sexual morph was not determined. *Neotainosphaeria* and *Kionochaeta* form a sister clade with *Brachydictyochaeta* based on phylogenetic analysis. The taxonomic placement of *Brachydictyochaeta* is in *Chaetosphaeriaceae*, *Chaetosphaeriales*, *Sordariomycetes*, and *Ascomycota*.

### References

- Réblová M, Kolárik M, Nekvindová J, Réblová K et al. 2021 – Phylogenetic reassessment, taxonomy, and biogeography of *Codinaea* and similar fungi. *Journal of Fungi* 7, 1097. <https://doi.org/10.3390/jof7121097>
- Wu W, Diao Y. 2022 – Anamorphic chaetosphaeriaceous fungi from China. *Fungal Diversity* 116(1), 1–546. <https://doi.org/10.1007/s13225-022-00509-w>

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