

Outlineoffungi.org - Note 675 *Setofusarium*

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Setofusarium (Nirenberg & Samuels) Crous & Sand.-Den.

[Crous et al. \(2021\)](#) introduced the monotypic genus *Setofusarium* based on *Fusarium setosum*. The genus is characterized by dark red perithecia, cylindrical to clavate asci with 1-septate, finely striate ascospores and a fusarium-like asexual morph ([Crous et al. 2021](#)). [O'Donnell et al. \(2022\)](#) believed that *Setofusarium* belongs to the *Fusarium* clade. However, a combined analysis of ITS, LSU, *rpb1*, *rpb2* and *tef1* sequence data revealed that *Setofusarium* is a unique phylogenetic lineage in *Nectriaceae* ([Crous et al. 2021](#)) and I follow this here. Phylogenetically *Setofusarium* is closer to *Albonectria* ([Crous et al. 2021](#)). Species of this genus are associated with tree bark ([Crous et al. 2021](#)).

References

- Crous P, Lombard L, Sandoval-Denis M, Seifert KA et al. 2021 –*Fusarium*: more than a node or a foot-shaped basal cell. *Studies in Mycology* 98, 100116.
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- O'Donnell K, Whitaker BK, Laraba I, Proctor RH, Brown DW, Broders K, Kim HS, McCormick SP, Busman M, Aoki T, Torres-Cruz TJ. 2022 – DNA sequence-based identification of *Fusarium*: A work in progress. *Plant Disease* 106, 1597–1609.
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