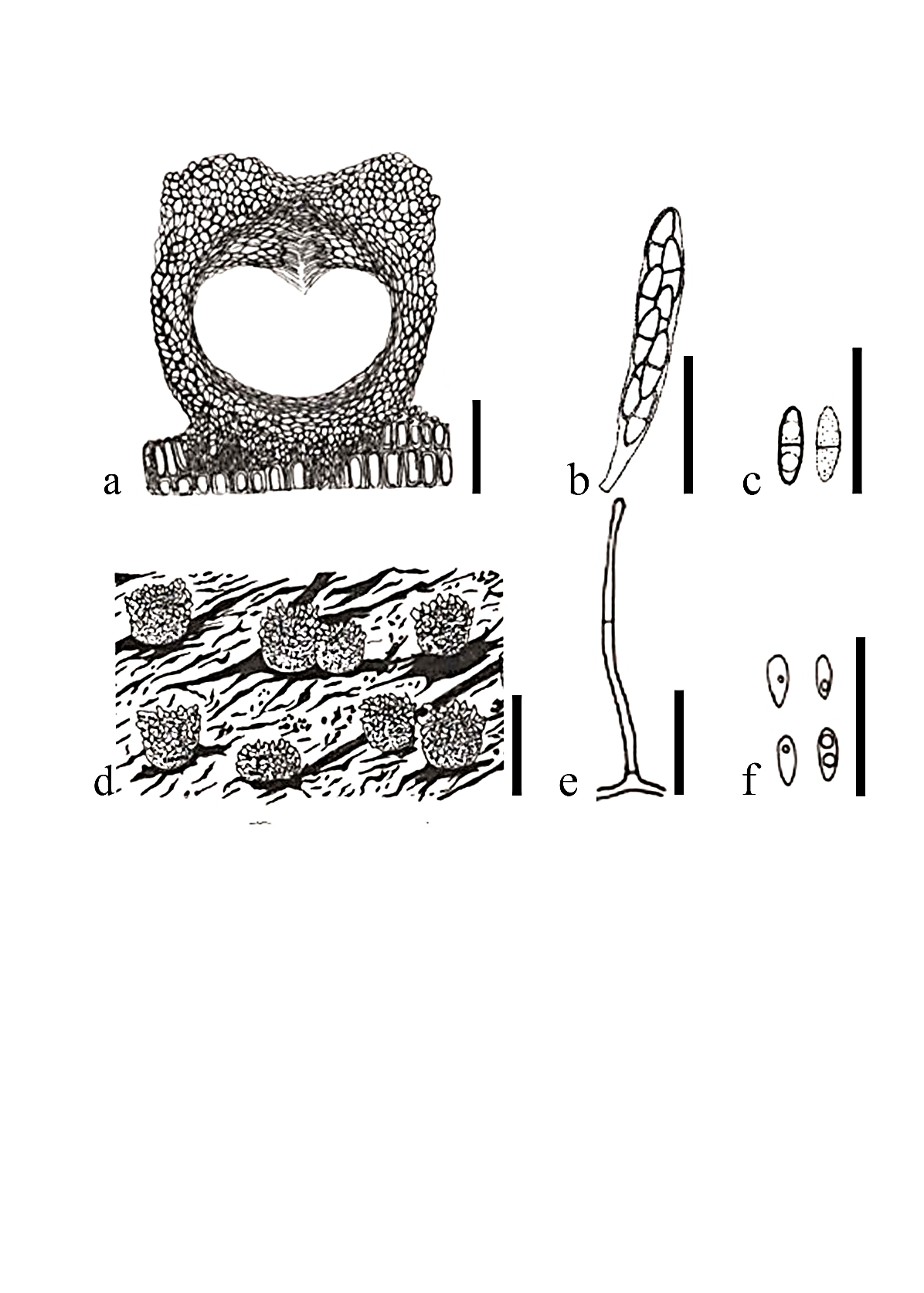
**Fungalpedia - Note 40** [***Verrucostoma***](https://www.indexfungorum.org/names/NamesRecord.asp?RecordID=513353)

[***Verrucostoma***](https://www.indexfungorum.org/names/NamesRecord.asp?RecordID=513353)freycinetiae Hirooka, Tak. Kobay. & P. Chaverri

**Citation if using this entry**: Fallahi et al. (2023) New genera in 2010-2011. Mycosphere (in prep)

[Index Fungorum](http://www.indexfungorum.org/Names/NamesRecord.asp?RecordID=513354) , [Facesoffungi](https://www.facesoffungi.org/verrucostoma/), [MycoBank](https://www.mycobank.org/page/Simple%20names%20search), [GenBank](https://www.ncbi.nlm.nih.gov/nuccore/NR_137761.1), Fig 1.

[*Verrucostoma*](https://www.facesoffungi.org/verrucostoma/)was described by [Hirooka et al. (2010)](https://doi.org/10.3852/09-137) in [Bionectriaceae](https://www.facesoffungi.org/bionectriaceae/) ([Hypocreales](https://www.facesoffungi.org/?s=Hypocreales)). The fungus was isolated from *Freycinetia boninensis* (Pandanaceae) dead leaves in the Hahajima, Bonin (Ogasawara) Islands, Japan. The genus accommodates [*Verrucostoma freycinetiae*](https://www.mycobank.org/page/Name%20details%20page/458487) Hirooka, Tak. Kobay. & P. Chaverri and [*Verrucostoma martinicense*](https://www.mycobank.org/page/Name%20details%20page/542242) Lechat, J. Fourn. & Courtec ([Hirooka et al. 2010](https://doi.org/10.3852/09-137)). [*Verrucostoma*](http://www.indexfungorum.org/Names/NamesRecord.asp?RecordID=513354) is distinguished from other genera in [*Bionectriaceae*](https://www.facesoffungi.org/bionectriaceae/) and [*Nectriaceae*](https://www.facesoffungi.org/nectriaceae/)by white to pale orange perithecia that form superficial, solitary, or in small groups with protuberances around the perithecial apex, no color change in 3% Potassium hydroxide and lactic acid, unitunicate asci, spinulose ascospores, and an acremonium-like asexual. Phylogenetic analyses based on *α- actin*, LSU, and *rpb1* sequence data supported the monophyly of [Bionectriaceae](https://www.facesoffungi.org/bionectriaceae/) and [Nectriaceae](https://www.facesoffungi.org/nectriaceae/), hence, [*Verrucostoma*](https://www.mycobank.org/page/Simple%20names%20search) was proposed as a new genus ([Hirooka et al. 2010](https://doi.org/10.3852/09-137)).



**Fig 1**- Schematic figures of [***Verrucostom freycinetiae***](https://www.indexfungorum.org/names/NamesRecord.asp?RecordID=513354)(redrawn from [Hirooka et al. 2010](https://doi.org/10.3852/09-137)). a Median section of perithecium. b Ascus with eight ascospores. c Spinulose ascospores. d Perithecia on leaf of *Freycinetia boninensis*. e Conidiophore on OA. f Conidia on OA. Scale Bars: a= 100 µm; b, c, e, f= 20; d=500 µm.

**Type species**: [*Verrucostoma freycinetiae*](https://www.mycobank.org/page/Name%20details%20page/458487) Hirooka, Tak. Kobay. & P. Chaverri

Other accepted species:

[*Verrucostoma martinicense*](https://www.mycobank.org/page/Name%20details%20page/542242) Lechat, J. Fourn. & Courtec

**Reference**

Hirooka Y, Kobayashi T, Ono T, Rossman AY, Chaverri P. 2010- *Verrucostoma*, a new genus in the *Bionectriaceae* from the Bonin Islands, Japan. Mycologia 102, 418-429. <https://doi.org/10.3852/09-137>

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