

Outlineoffungi.org - Note 1241 *Bettsia*

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Bettsia Skou

Bettsia was erected by Pitt et al. (2013) to accommodate *Bettsia alvei* (Betts) Skou as type species. *Bettsia* was isolated from pollen in honeycomb in Denmark. *Bettsia* was previously placed in *Ascospaeraceae*, *Onygenales* based on its unusual, closed ascomata (Wijayawardene et al. 2022). Based on ITS sequence data, the ex-type culture of *Chrysosporium holmii* (= *Bettsia alvei*) is a sister to all other lineages of *Pseudeurotiaceae* and *Thelebolaceae*. Pitt et al. (2013) had recognised the polyphyletic nature of *Chrysosporium*, this reflected by differences in cultural morphology and growth rate. The type species *Bettsia alvei* produces the simplest closed ascoma, a unicellular cleistothecium (Quijada et al. 2022). In addition, asexual morph includes solitary aleurioconidia (Pitt et al. 2013). The taxonomic placement of *Bettsia* (*Pseudeurotiaceae sensu lato*) is in *Thelebolales*, *Eurotiomycetes*, *Pezizomycotina*, and *Ascomycota*.

References

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- Wijayawardene NN, Hyde KD, Dai DQ, Sánchez-García M et al. 2021 – Outline of Fungi and fungus-like taxa. *Mycosphere* 13(1), 53–453.

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