

Outlineoffungi.org - Note 722 - *Statesia*

Web-links: [Index Fungorum](#), [Facesoffungi](#), [MycoBank](#)

Statesia Castellano, T. Lebel, Davoodian & K. Hosaka

Species of *Statesia* are sequestrate (truffle-like), presumably ectomycorrhizal, typically associated with *Quercus* or occasionally *Fagus* ([Lebel et al. 2022](#)). The related generic clade is firstly indicated in the phylogenetic analysis based on *atp6* and *tef1* sequences and labeled as “gen. prov. 15” ([Davoodian et al. 2021](#)). Later it was formally proposed with descriptions and discussions by [Lebel et al. \(2022\)](#). *Statesia* is currently placed in *Hysterangiaceae* (*Hysterangiales*, *Agaricomycetes*). The type species is *S. cazaesii* Castellano, T. Lebel, Davoodian & K. Hosaka. Species of this genus are characterized by hypogeous, sequestrate, subglobose basidiomata with glabrous or tomentose, white surface (often staining brownish to reddish), hyaline to brownish, single to double-layered peridium composed of *textura intricata*, *textura porrecta* or *textura angularis*, reddish to brownish or olive gleba with empty, partially filled or filled locules, often numerous rhizomorphs adherent across the surface, dendroid columella, 2-spored basidia and ellipsoid, broadly ellipsoid, fusoid to broadly fusiform, smooth to verrucose basidiospores with a pedicellate base and distinct or amorphous utricle ([Lebel et al. 2022](#)). The asexual morph is unknown. *Statesia* species are distributed in temperate zones in Northern Hemisphere. Four species are accommodated in this genus.

References

- Davoodian N, Lebel T, Castellano MA, Hosaka K. 2021 – *Hysterangiales* revisited: expanded phylogeny reveals new genera and two new suborders. *Fungal Systematics and Evolution* 8, 65–80. <https://doi.org/10.3114/fuse.2021.08.06>
- Lebel T, Davoodian N, Bloomfield MC, Syme K, Maya TW, Hosaka K, Castellano MA. 2022 – A mixed bag of sequestrate fungi from five different families: *Boletaceae*, *Russulaceae*, *Psathyrellaceae*, *Strophariaceae*, and *Hysterangiaceae*. *Swainsona* 36, 33–65 https://know.ourplants.org/download/swainsona/JABG36P033_Lebel.pdf

Entry by

Takamichi Orihara, Kanagawa Prefectural Museum of Natural History, 499 Iryuda, Odawara, Kanagawa 250-0031, Japan

(Edited by **Kevin D Hyde & Rekhani Hansika Perera**)

Published online 14 December 2022