

Suttonomyces cephalophylli

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Suttonomyces cephalophylli Crous, sp. nov.

Etymology. Name refers to the host genus *Cephalophyllum* from which it was isolated.

Classification — *Massarinaceae*, *Pleosporales*, *Dothideo-mycetes*.

Conidiomata solitary, immersed in host tissue, pycnidial, globose, brown, 150–200 µm diam; wall of 3–6 layers of brown *textura angularis*. *Conidiophores* reduced to conidiogenous cells, hyaline, smooth, phialidic, 4–6 × 3–5 µm. *Conidia* solitary, aseptate, medium brown, thick-walled, verruculose to spikey, ellipsoid with bluntly rounded ends, (12–)14–16(–18) × (7–)8–10(–12) µm.

Culture characteristics — Colonies flat, spreading, with sparse aerial mycelium and lobate, smooth margin, reaching 30 mm diam after 2 wk at 25 °C. On MEA surface dirty white in centre, cinnamon in outer region and in reverse; on PDA surface and reverse isabelline to cinnamon; on OA surface cinnamon.

Typus. SOUTH AFRICA, Western Cape Province, Clanwilliam, Rocklands camping, on leaves of *Cephalophyllum pilansii* (*Aizoaceae*), 2018, *P.W. Crous*, HPC 3055 (holotype CBS H-24420, culture ex-type CPC 38541 = CBS 146787, ITS and LSU sequences GenBank MW175349.1 and MW175389.1, MycoBank MB837842).

Notes — The present collection clusters with species of *Suttonomyces* (Wijayawardene et al. 2015), but is distinct from known species in the genus in that it lacks muriformly-septate conidia and paraphyses.

Based on a megablast search of NCBI's GenBank nucleotide database, the closest hits using the **ITS** sequence had highest similarity to *Suttonomyces rosae* (strain MFLU 18-0112, GenBank NR_157548.1; Identities = 447/469 (95 %), three gaps (0 %)), *Stagonospora bicolor* (strain LF2, GenBank KX510131.1; Identities = 347/367 (95 %), three gaps (0 %)), and *Stagonospora pseudopaludosa* (strain CBS 136424, GenBank NR_137840.1; Identities = 348/370 (94 %), four gaps (1 %)). Closest hits using the **LSU** sequence are *Suttonomyces rosae* (strain MFLU 18-0112, GenBank NG_059882.1; Identities = 807/811 (99 %), no gaps), *Helminthosporium velutinum* (strain L136, GenBank KY984355.1; Identities = 838/850 (99 %), no gaps), and *Helminthosporium tiliae* (strain L89, GenBank KY984346.1; Identities = 837/850 (98 %), no gaps).

Colour illustrations. Flower and leaves of *Cephalophyllum pilansii*. Conidiomata on host tissue and on OA (scale bars = 200 µm); conidia (scale bar = 10 µm).