

*Psilocybe stametsii* Dentinger & Furci, sp. nov.

IF 557883

Holotype FFCL 1932

Sporome 3.5–4.5 cm tall. Pileus brown to dark yellow/ochre, viscid becoming dry, striate, conical to campanulate with a distinct, sharp umbo or papillate, margin becoming uplifted and somewhat plicate in age, context thin, up to 1–1.5 cm diam. Lamellae pale brownish-cream coloured at first, becoming light brown in age, subdistant with two sets of lamellulae, broad, adnexed or sinuate, margin even. Stipe central, terete, equal to flexuous, slightly stuffed becoming hollow; exterior slightly pruinose, dry, dark brown/blackish at base fading to red and then pale orange at the apex, up to 3–4 cm long, c. 1 mm diam. Spores in 5% KOH smooth, small, subrhomboid to rhomboid with slightly thickened cell walls, with an apical germ pore, translucent-brown under the microscope, (3.0–) 3.5 x (2.5–) 3.0 µm. Cystidia present, lageniform to urtiform, cell walls not thickened, hyaline in 5% KOH. Slight bluing on stipe when damaged.

Ecology and distribution: In soil in Chocó Andino cloud forest.

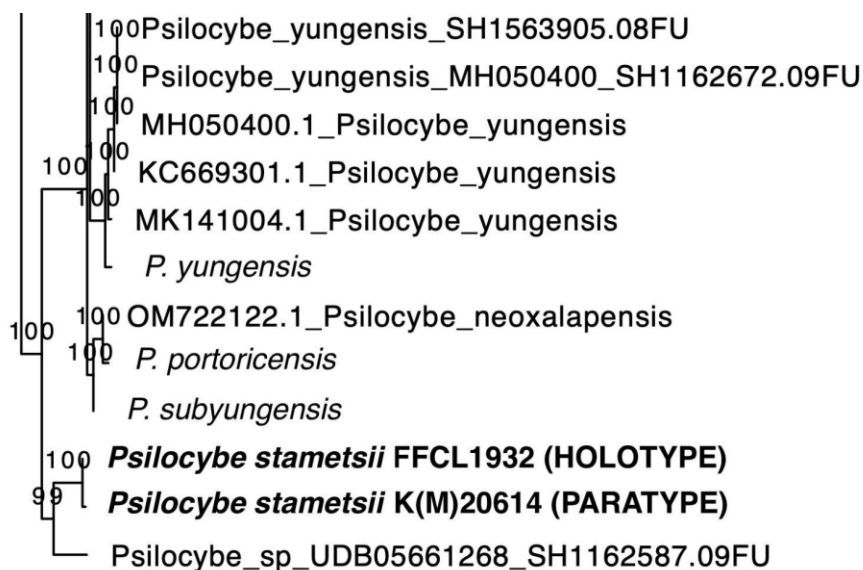
Specimens examined: Ecuador: Imbabura, Los Cedros Biological Reserve, along Cascada Vieja trail, N 0.30611, W -78.78765, 1416m elevation, coll. Giuliana Furci, Cosmo Sheldrake, Robert Macfarlane, César Rodríguez-Garavito, 25 October 2022 (in FFCL). Ecuador: Imbabura, Los Cedros Biological Reserve, along Brazilargo trail, N 90.301422, W -78.783331, 1322m elevation, coll. B. Dentinger & T.S. Jenkinson, RLC79013, January 2011, K(M) 20614.

Etymology: Named in honor of visionary North American mycologist Paul Stamets who has significantly contributed to the widespread appreciation of mycology and augmented the knowledge of the genus *Psilocybe*.

Images: <https://ffungi.org/en/Psilocybestametsii>

Sequence(ITS): FFCL1932 (GenBank accession: OQ359123)

Phylogeny (ITS):



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