

Outlineoffungi.org - Note 189, [Gryganskiella](#)

[Gryganskiella](#) Vandepol & Bonito

This genus comprises two species previously classified within the *Mortierella* clade 1 ([Wagner et al 2013](#)). Based on previous phylogenetic studies ([Wagner et al. 2013](#)), it is likely that more species can be transferred to this genus. The type species is [Gryganskiella](#) (type specimen CBS 456.71). The representatives of this genus were reported from agricultural soil and moss in Europe and South America. [Vandepol et al. \(2020\)](#) used low coverage and high-throughput sequencing in order to resolve the phylogeny of *Mortierellaceae*, which consisted of several polyphyletic taxa. As a result, they found seven new genera ([Benniella](#), [Entomortierella](#), [Gryganskiella](#), [Linnemannia](#), [Lunaspangiospora](#), [Necromortierella](#) and [Podila](#)) among 13 monophyletic genera (J. Pawłowska & M. Erdoğdu).

Reference

- Wagner L, Stielow B, Hoffmann K, Petkovits T et al. 2013 – A comprehensive molecular phylogeny of the *Mortierellales* (*Mortierellomycotina*) based on nuclear ribosomal DNA. *Persoonia* 30, 77–93. [Doi 10.3767/003158513X666268](#)
- Vandepol N, Liber J, Desiró A, Na H et al. 2020 – Resolving the *Mortierellaceae* phylogeny through synthesis of multi-gene phylogenetics and phylogenomics. *Fungal Diversity* 104, 267–289. [Doi 10.1007/s13225-020-00455-5](#)