

Outlineoffungi.org - Note 1289 *Rhexocercosporidium*

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Rhexocercosporidium U. Braun

Species placed in *Rhexocercosporidium* include both plant pathogens and saprobes on dead plant tissue. The type species *R. carotae* is a root pathogen. ITS sequence from the ex-type culture (GenBank NR_111086, ex CBS 418.65) place the genus in *Pyrenopezizaceae*, and this is supported by multiple genes from the genome of a specimen isolated as a root endophyte and identified as *Rhexocercosporidium* (Mesny et al. 2021, Johnston et al. 2019, as *Ploettnerulaceae*).

References

- Johnston PR, Quijada L, Smith CA, Baral HO, et al. 2019 – A multigene phylogeny toward a new phylogenetic classification for the *Leotiomycetes*. *IMA Fungus* 10, 1. <https://doi.org/10.1186/s43008-019-0002-x>
- Mesny F, Miyauchi S, Thiergart T, Pickel B, et al. 2021 – Genetic determinants of endophytism in the *Arabidopsis* root mycobiome. *Nature Communications* 12, 7227. <https://doi.org/10.1038/s41467-021-27479-y>

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