

Characterization of *Burkholderia rhizoxinica* and *B. endofungorum* isolated from clinical specimens.

Gee JE, Glass MB, Lackner G, Helsel LO, Daneshvar M, Hollis DG, Jordan J, Morey R, Steigerwalt A, Hertweck C (2011) Characterization of *Burkholderia rhizoxinica* and *B. endofungorum* isolated from clinical specimens. *PLoS One* 6(1), e15731. [PubMed](#)

Projects

The genome of the endofungal bacterium *Burkholderia rhizoxinica*
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Abstract

Eight isolates submitted to CDC from 1989 to 2006 from clinical specimens were initially identified as members of the genus *Burkholderia* based on preliminary cellular fatty acid analysis and/or 16S rRNA gene sequencing. With the recent descriptions of the new species *B. rhizoxinica* and *B. endofungorum*, which are considered endosymbiotic bacteria in *Rhizopus microsporus* fungi, we now identify seven of these clinical isolates as *B. rhizoxinica* and one as *B. endofungorum* based on biochemical testing, 16S rRNA, and DNA-DNA hybridization results. We also further characterize these isolates by assessing toxin production and/or by multiple locus sequence typing.

Identifier

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