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.

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.

Beteiligte Forschungseinheiten

Biomolekulare Chemie Christian Hertweck Mehr erfahren

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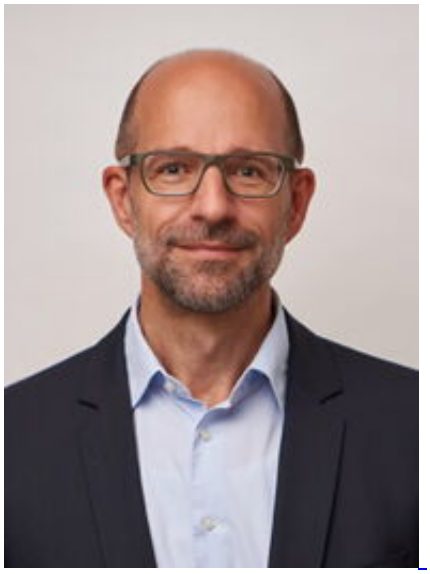

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Gerald Lackner

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