

Global distribution and evolution of a toxinogenic Burkholderia-Rhizopus symbiosis.

Lackner G, Möbius N, Scherlach K, Partida-Martinez LP, Winkler R, Schmitt I, Hertweck C (2009) Global distribution and evolution of a toxinogenic Burkholderia-Rhizopus symbiosis. *Appl Environ Microbiol* 75(9), 2982-2986.

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Abstract

Toxinogenic endobacteria were isolated from a collection of *Rhizopus* spp. representing highly diverse geographic origins and ecological niches. All endosymbionts belonged to the *Burkholderia rhizoxinica* complex according to matrix-assisted laser desorption ionization-time of flight biotyping and multilocus sequence typing, suggesting a common ancestor. Comparison of host and symbiont phylogenies provides insights into possible cospeciation and horizontal-transmission events.

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doi: 10.1128/AEM.01765-08

PMID: 19286793