

Species *Shikimatogenerans bostrichidophilus*

Etymology

[bos.tri.chi.do.phi.lus] L. n. *Bostrichidae*, a family of beetles known as wood borers.; N.L. masc. adj. suff. *-philus*, friend or loving; N.L. masc. adj. *bostrichidophilus*, bacteria associated with Bostrichidae beetles

Nomenclatural type

[NCBI Assembly: GCA_029851105.1](#)^{Ts}

Description

"*Shikimatogenerans bostrichidophilus*" is a taxonomic designation that combines two key elements reflecting the characteristics and associations of a particular organism. The genus name "*Shikimatogenerans*" signifies the organism's notable ability to engage in the shikimate pathway, a crucial metabolic route. The term "*bostrichidophilus*" is a compound that implies an association with the Bostrichidae family, specifically beetles known as wood borers.

The combination of these two elements suggests that the organism possesses the metabolic capability related to the shikimate pathway and exhibits an association or affinity with beetles belonging to the Bostrichidae family, known for their wood-boring habits. This taxonomic designation encapsulates both biochemical and ecological aspects, providing insights into the organism's functional traits and ecological niche within the context of its relationship with wood-boring beetles.

Classification

Bacteria » *Bacteroidota* » *Flavobacteriia* » *Flavobacteriales* » *Flavobacteriaceae* » *Shikimatogenerans* » *Shikimatogenerans bostrichidophilus*

References

Effective publication: Kiefer et al., 2023 [1]

Registry URL

<https://seqco.de/i:32944>

References

1. Kiefer et al. (2023). Cuticle supplementation and nitrogen recycling by a dual bacterial symbiosis in a family of xylophagous beetles. *The ISME Journal*. DOI:10.1038/s41396-023-01415-y