Species *Shikimatogenerans silvanidophilus*[Ts]

Etymology

[sil.va.ni.do.phi'lus] **N.L. n.** *Silvanidae*, family of beetles from forested environments.; **N.L. masc. suff.** *-philus*, affinity or association with; **N.L. masc. adj.** *silvanidophilus*, association with or love of Silvanidae beetles.

Nomenclatural type

NCBI Assembly: GCA_018200315.1 [Ts]

Description

We propose the name 'Shikimatogenerans silvanidophilus OSUR' for this endosymbiont of *Oryzaephilus surinamensis*, henceforth called *S. silvanidophilus*. The genus name *Shikimatogenerans* refers to its ability to perform the shikimate pathway. Previous studies have shown that there might be other closely related Bacteroidetes bacteria associated with other beetle families. Thus, we propose *silvanidophilus* as species name to indicate that this symbiont is associated with beetles of the family Silvanidae. As the same studies also revealed that *O. mercator* has a similar symbiont we also propose to add OSUR to identify the strain associated with *O. surinamensis*.

Classification

Bacteria » *Bacteroidota* » *Flavobacteriia* » *Flavobacteriales* » *Flavobacteriaceae* » *Shikimatogenerans* » *Shikimatogenerans silvanidophilus*[Ts]

References

Effective publication: Kiefer et al., 2021 [1]

Registry URL

https://seqco.de/i:32943

References

1. Kiefer et al. (2021). Inhibition of a nutritional endosymbiont by glyphosate abolishes mutualistic benefit on cuticle synthesis in Oryzaephilus surinamensis. *Communications Biology*. DOI:10.1038/s42003-021-02057-6