
Species *Caproiciproducens intestini*

Etymology

[in.tes.ti'ni] **L. gen. neut. n.** *intestini*, of the gut, referring to the origin of the bacterium

Nomenclatural type

[NCBI Assembly: GCA_053840945.1](#)^{Ts}

Description

The designated DNA sequence is MAG SQRumen2 recovered from cow rumen. This species was enriched in anoxic incubations of rumen fluid with sulfoquinovose. Genome-centric metatranscriptomic analysis suggests that sulfoquinovose is fermented via a bifurcated sulfo-transketolase/transaldolase pathway to isethionate and an unidentified sulfonate product.

Classification

Bacteria » *Bacillota* » *Clostridia* » *Eubacteriales* » *Ocillospiraceae* » *Caproiciproducens* » *Caproiciproducens intestini*

References

Effective publication: Krasenbrink et al., 2026 [1]

Registry URL

<https://seqco.de/i:54962>

References

1. Krasenbrink et al. (2026). Sulfoquinovose degradation by cow rumen microbiota. *The ISME Journal*. [DOI:10.1093/ismejo/wrag069](https://doi.org/10.1093/ismejo/wrag069)