

## Species *Caproiciproducens ruminis*

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### Etymology

[ru.mi'nis] **L. gen. neut. n.** *ruminis*, of the rumen, the source of the bacterium

### Nomenclatural type

[NCBI Assembly: GCF\\_053840905.1](#) <sup>Ts</sup>

### Description

The designated DNA sequence is MAG SQRumen1 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 ruminis*

### References

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

### Registry URL

<https://seqco.de/i:54961>

## 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)