

## Species *Saelkia tenebricola*<sup>Ts</sup>

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### Etymology

[ten.e'bri.co.la] L. fem. n. *tenebra*, darkness; L. n. suff. *-cola*, inhabitant; N.L. fem. n. *tenebricola*, a dweller of the dark

### Nomenclatural type

[NCBI Assembly: GCA\\_030765145.1](#)<sup>Ts</sup>

### Description

This species is the type for the genus *Saelkia*. The description for this species is derived from Williams et al., 2021, and supplemented with additional information. Genome predictions indicate that this species is likely heterotrophic, with an incomplete horse-shoe type TCA cycle, fermentation of glucose to acetyl-CoA through the EMP pathway, and codes for proteases and peptidases to degrade proteins to amino acids, simple sugar ABC transporters and glycoside hydrolases. The genome also codes for a V-type ATPase and Rnf complex for ATP synthesis, and a Group 4g [NiFe] hydrogenase. All genes required for the production of a Type-4a pilus and conductive pili are encoded by the genome. The nomenclatural type for this species is the genome 3300035698\_749.

### Classification

*Incertae sedis* (Bacteria) » "Kaelpiales" » "Kaelpiaceae" » *Saelkia* » *Saelkia tenebricola*<sup>Ts</sup>

### References

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

### Registry URL

<https://seqco.de/i:33287>

## References

1. Williams et al. (2021). Shedding Light on Microbial "Dark Matter": Insights Into Novel Cloacimonadota and Omnitrophota From an Antarctic Lake. *Frontiers in Microbiology*. DOI:10.3389/fmicb.2021.741077