Species *Kaelpia imicola*

Etymology

[i.mi'co.la] **L. masc. adj.** *imus*, bottom; **L. n. suff.** *-cola*, inhabitant; **N.L. fem. n.** *imicola*, bottom-dweller

Nomenclatural type

NCBI Assembly: GCA_030765505.1 [Ts]

Description

This species belongs to the genus *Kaelpia*. The description for this species is derived from Williams et al., 2021, and supplemented with additional information. This species is predicted to be heterotrophic. Fermentation of glucose to acetyl-CoA through EMP pathway is likely, and the genome encodes a V-type ATPase and Rnf complex for ATP synthesis, and a Group A3 [FeFe] hydrogenase. The genome also encodes a conductive pilin and genes for the production of a Type-4a pilus. The type for this species is the genome designated 3300035698_1655.

Classification

Incertae sedis (Bacteria) » “Kaelpiales” » “Kaelpiaceae” » *Kaelpia* » *Kaelpia imicola*

References

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

Registry URL

https://seqco.de/i:33285

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