

Species *Bruticola papionis*^{Ts}

Etymology

[pa.pi.o'nis] N.L. gen. n. *papionis*, pertaining to Papio, the primate genus that includes baboons

Nomenclatural type

[NCBI Assembly: GCA_002407045.1](#)^{Ts}

Description

Obligate heterotroph. Fermentative (no respiration). Organic substrates include peptides, amino acids, citrate, starch, maltodextrin, glucose. Bidirectional Fe-only hydrogenases (for redox balance?). Glycogen storage. Also defined based on ANI, and phylogenies of 16S rRNA gene, 15 ribosomal proteins, and the GTDB.

Classification

Bacteria » *Eremiobacterota* » *Xenobiia* » *Xenobiales* » *Xenobiaceae* » *Bruticola* » *Bruticola papionis*^{Ts}

References

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

Registry URL

<https://seqco.de/i:41963>

References

1. Ji et al. (2021). *Candidatus* Eremiobacterota, a metabolically and phylogenetically diverse terrestrial phylum with acid-tolerant adaptations. *The ISME Journal*. DOI:[10.1038/s41396-021-00944-8](https://doi.org/10.1038/s41396-021-00944-8)