Pseudaminobacter pseudosoli sp. nov.

Submitted by Van Lill, Melandre

Species *Pseudaminobacter pseudosoli*

Etymology

[pseu.do.so'li] Gr. neut. adj. *pseudes*, false; L. neut. n. *solum*, soil, and a specific epithet of a Pseudaminobacter species; L. gen. n. *pseudosoli*, the false Pseudaminobacter soli

Nomenclatural type

NCBI Assembly: GCF_014595955.1 [Ts]

Reference Strain

Strain scJ0039682: HC19 = KCTC 82870

Description

Cells are Gram stain-negative, strictly aerobic, rod-shaped, 1.2–2.5 μm in length and 0.5–0.8 μm in width and motile. The colonies on R2A agar are non-pigmented, white and moist after 3 days of incubation at 30 °C. Grow on R2A, but not on LB medium. Growth occurs at 15–30 °C (optimum 30 °C), at pH 5.0–8.0 (optimum 7.0), and with 0–2.0% (w/v) NaCl (optimum 1.0%). Positive for nitrite reduction and hydrolysis of aesculin, alkaline phosphatase, esterase (C4), esterase lipase (C8), acid phosphatase, naphthol-AS-BI-phosphohydrolase and α-glucosidase. The major polar lipids are PME, DPG, PG, PC and PE. The predominant cellular fatty acids are C19:0 cyclo $\omega 8c$ and C18: $1\omega 7c$. The major quinone was ubiquinone Q-10. The G+C content is 63.3 mol%.

Classification

Bacteria » *Pseudomonadota* » *Alphaproteobacteria* » *Hyphomicrobiales* » *Phyllobacteriaceae* » *Pseudaminobacter* » *Pseudaminobacter pseudosoli*

References

Effective publication: Zhang et al., 2022 [1]

Registry URL

https://seqco.de/i:49634

References

1. Zhang et al. (2022). Pseudaminobacter soli sp. nov., Isolated from Paddy Soil Contaminated with Heavy Metals. *Current Microbiology*. DOI:10.1007/s00284-021-02717-0

Register List Certificate of Validation

On behalf of the *Committee on the Systematics of Prokaryotes Described from Sequence Data* (SeqCode Committee), we hereby certify that the Register List **seqco.de/r:ua-gfau6** submitted by **Van Lill, Melandre** and including 1 new name has been successfully validated.

Date of Priority: 2025-03-20 04:24 UTC
DOI: 10.57973/seqcode.r:ua-gfau6