Rhizobium album sp. nov.

Submitted by Van Lill, Melandre

Species *Rhizobium album*

Etymology
[al'bum] **L. neut. adj.** *album*, white, referring to the white colonies of the type strain on YM agar

Nomenclatural type
NCBI Assembly: GCF_003122325.1 Ts

Reference Strain
Strain sc|0038880: NS-104

Description
Cells are Gram-stain negative, facultatively anaerobic, non-spore-forming, motile, rod-shaped (0.8–0.9 × 2.1–2.2 µm) and catalase and oxidase positive. Colonies are smooth, white and round after growth on R2A agar at 30 °C for 36 h. In addition to the characteristics reported for the genus, cell growth occurs at 16–37 °C (optimum, 30 °C), at pH 5.0–9.0 (optimum, pH 6.0) and in NaCl concentrations of 0–2.0% (w/v) (optimum, without NaCl). Good growth occurs on R2A agar and better than on LB agar after incubation for 36 h at 30 °C. The only respiratory quinone is ubiquinone Q-10. The polar lipid profile includes major amounts of phosphatidylmonomethylethanolamine, phosphatidylglycerol and moderate amounts of phosphatidylethanolamine, phosphatidylcholine, diphosphatidylglycerol and unidentified aminolipids. The major cellular fatty acids are C18:1*ω7c*, C19:0 cyclo *ω8c* and C16:0. The DNA G + C content of the type strain is 61.9 mol%.

Classification
Bacteria » *Pseudomonadota* » *Alphaproteobacteria* » *Hyphomicrobiales* » *Rhizobiaceae* » *Rhizobium* » *Rhizobium album*

References
Effective publication: Hang et al., 2019 [1]

Registry URL
https://seqco.de/i:49859

References

1. Hang et al. (2019). Rhizobium album sp. nov., isolated from a propanil-contaminated soil. *Antonie van Leeuwenhoek*. DOI:10.1007/s10482-018-1160-3

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:uxhlbse7** submitted by **Van Lill, Melandre** and including 1 new name has been successfully validated.

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