Pararhizobium mangrovi

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Table 1: Complete list of names proposed in the current register list.

Proposed Taxon	Etymology	Description	Parent Taxon	Type	Registry URL
Species *Pararhizobium mangrovi*	[man.gro'vi] **N.L. gen. n.** *mangrovi*, of mangrove, where the bacterium was isolated	Cells are motile, Gram-stain-negative, and flagellated short rods measuring approximately 0.3–0.6 × 0.6–0.9 µm. Colonies appear round, convex, and smooth with light pink color on ISP2 agar plates. Oxidase and catalase are positive. Growth occurs at 25–37 °C (optimum, 28 °C), pH 5.0–10.0 (optimum, pH 7.0), and 3.0–8.0% (w/v) NaCl (optimum, 3%). In API 20E tests, strain BGMRC 6574T was positive for citrate utilization test, VP test, gelatin liquefaction, glucose fermentation, rhamnose, arabinose, oxidase, and NO2. The API ZYM system of enzyme detection revealed that the isolated strain is positive for alkaline phosphatase, esterase (C4), esterase lipase (C8), lipase (C14), leucine arylamidase, valine arylamidase, cystine arylamidase, trypsin, chymotrypsin, acid phosphatase, naphthol-ASBI-phosphohydrolase, α-galactosidase, β-galactosidase, β-glucuron, α-glucanase, and β-glucosidase. In the API 50CH, strain BGMRC 6574T produced acid from D-gentiobiose and ferric citrate of aesculin. The other carbon sources did not produce acid or ferment in new strain. The major cellular fatty acid is C19:0 cyclo *ω*8*c*. The predominant respiratory quinone is ubiquinone-10. The major polar lipids are a single phosphatidylcholine (PC), seven unidentified phospholipids (PL3–7), three unidentified ninhydrin-positive phospholipids (NPL1–3), and two unidentified lipids (L1–2). The DNA G+C content of the type strain is 64.7 mol%. The type strain is BGMRC 6574T (=KCTC 72636T = CGMCC 1.16783), isolated from mangrove stems collected from Hainan province, China. The GenBank/EMBL/DDBJ accession numbers for the 16S rRNA gene and genome sequences of strain BGMRC 6574T are MN006421 and VHLH00000000, respectively.	*Pararhizobium*	NCBI Assembly: GCF_006516965.1 Ts	seqco.de/i:49631