

Rhizobium alarense and Rhizobium halophilum

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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 <i>Rhizobium alarense</i>	[a.la.ren'se] N.L. neut. adj. <i>alarense</i> , pertaining to Alar, a city in Northwest China, where the type strain was isolated	Cells on YMA agar plates were circular, smooth, convex, white colored and rod shaped (1.05–1.10 µm in length and 0.26–0.30 µm in width) for 3 days at 25 °C. Growth occurred at 12–37 °C (optimum, 25 °C); growth occurred at pH 6.0–9.0 (optimum, pH 7.0) and 0–3% (w/v) NaCl (optimum, 1%). The following substrates were utilized on Biolog GENIII microplates: D-arabitol, acetic acid, D-aspartic acid, L-aspartic acid, D-cellobiose, i-erythritol, d-fructose, l-fructose, d-fructose-6-PO ₄ , d-galactose, gentiobiose, α-d-glucose, d-glucose-6-PO ₄ , d-gluconic acid, d-glucuronic acid, l-glutamic acid, glycerol, 3-methyl-glucose, myo-inositol, inosine, α-d-lactose, d-maltose, d-mannose, d-mannitol, d-melibiose, d-raffinose, l-rhamnose, stachyose, sucrose, d-trehalose, d-turanose, pectin, N-acetylneuraminic acid, α-keto-glutaric acid, d-malic acid, l-malic acid, mucic acid, propionic acid, quinic acid, d-salicin, d-saccharic acid, l-alanine, l-arginine, N-acetyl-d-galactosamine, N-acetyl-d-glucosamine, N-acetyl-β-d-mannosamine, β-methyl-d-glucoside, glucuronamide, l-histidine, l-serine, l-pyroglutamic and urea. The nitrate reduction, oxidase, starch hydrolysis and urease were positive. H ₂ S production, lipase, catalase production, melanin production, milk coagulation and peptonization were negative. Cellulose and tween 20, 40, 60 and 80 were hydrolyzed. The whole-cell sugars consisted mainly of arabinose, glucose and ribose. Contained <i>meso</i> -diaminopimelic acid as the diagnostic cell wall amino acid. The detected polar lipids were unidentified aminophospholipids, unidentified phospholipids, phosphatidylcholine, unidentified lipids and phospholipids of unknown structure. The predominant menaquinone was identified as Q-10. Major fatty acids (> 5% of the total amounts) were Summed Feature 8 (C18:1ω7c and/or C18:1 ω6c), C19:0 cyclo ω8c, C16:0 and C18:1 ω7c 11-methyl. Resistant to ampicillin, chloramphenicol, erythromycin, gentamicin, nalidixic acid, tetracycline and vancomycin, but sensitive to amikacin, kanamycin and streptomycin.	<i>Rhizobium</i>	NCBI Assembly: GCF_021555155.1 Ts	seqco.de/i:49635
		Colonies on NA agar plates were circular, convex, light yellow colored and rod shaped (1.12–1.20 µm in length and 0.45–0.50 µm in width) for 3 days at 30 °C. Growth occurred at 12–37 °C (optimum, 25 °C); growth occurred at pH 6.0–9.0 (optimum, pH 6.5–7.0) and at 0–7% (w/v) NaCl (optimum, 1%). The following substrates were utilized on Biolog GENIII			

Proposed Taxon	Etymology	Description	Parent Taxon	Type	Registry URL
Species <i>Rhizobium halophilum</i>	[ha.lo.phi'lum] Gr. masc. n. <i>hals</i> , salt; N.L. neut. adj. suff. - <i>philum</i> , loving (from Gr. neut. adj. <i>philon</i> , friend); N.L. neut. adj. <i>halophilum</i> , salt loving	microplates: d-arabitol, i-erythritol, d-fructose, l-fructose, α-d-glucose, inosine, myo-inositol, α-d-lactose, d-mannitol, d-maltose, d-malic acid, l-malic acid, d-melibiose, d-raffinose, l-rhamnose, sorbitol, sucrose, d-trehalose, d-cellobiose, d-galactose, gentiobiose, glycogen, 3-methyl-glucose, glycerol, propionic acid, d-salicin, stachyose, d-turanose, β-methyl-d-glucoside, N-acetyl-d-glucosamine, N-acetyl-β-d-mannosamine, d-serine, N-acetyl-d-galactosamine, N-acetylneuraminic acid, d-glucose-6-PO ₄ , d-fructose-6-PO ₄ , d-aspartic acid, gelatin, glycyl-l-proline, l-alanine, l-arginine, l-aspartic acid, l-glutamic acid, d-gluconic acid, l-histidine, l-pyroglutamic, l-serine, pectin, d-glucuronic glucuronamide, mucic acid, quinic acid, α-keto-glutaric acid and urea. Positive for catalase, oxidase, urease, lipase, starch hydrolysis, milk coagulation and hydrogen peroxide. Negative for H ₂ S production, reduction of nitrate to nitrite and melanin production. The whole-cell sugars consisted mainly of arabinose, galactose, glucose and ribose. Contained D, d-diaminopimelic acid as the diagnostic cell wall amino acid. The detected polar lipids were unidentified aminophospho lipids, unidentified phospholipids, phosphatidylcholine, unidentified lipids, hydroxy phosphatidyl ethanolamine and phospholipids of unknown structure containing glucosamine. Major fatty acids were Summed Feature 8 (68.4%), C19:0 cyclo ω ₈ c, and C16:0. Q-10 was major the quinone. Resistant to ampicillin, chloramphenicol, erythromycin, gentamicin, nalidixic acid, streptomycin, tetracycline and vancomycin, but sensitive to amikacin and kanamycin.	<i>Rhizobium</i>	NCBI Assembly: GCF_021648825.1 Ts	seqco.de/i:49636