Rhizobium oryzihabitans

Submitted by Van Lill, Melandre

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

Proposed Taxon	Etymology	Description	Parent Taxon	Type	Registry URL
Species *Rhizobium oryzihabitans*	[o.ry.zi.ha.bi'tans] **L. fem. n.** *oryza*, rice; **L. pres. part.** *habitans*, inhabiting, dwelling; **N.L. neut. part. adj.** *oryzihabitans*, rice inhabiting	Cells are Gram-negative, aerobic, flagellate and rods. Colonies are circular and cream-white on YMA at 30 ℃. Growth occurs from 15 ℃ to 50 ℃ and the pH range for growth is 5.0–12.0. The tolerant of NaCl concentrations is up to 7.0% (w/v). Positive reactions for nitrate reduction, aesculin hydrolysis, urease and nitro-D-methyl galactose activities, and assimilation of glucose, arabinose, mannose, mannitol, *N*-acetyl-glucosamine, maltose, gluconate, malic acid, citric acid, phenylacetic acid are positive. Catalase and oxidase positive. The following compounds utilize as carbon sources: *N*-acetyl-D-galactosamine, *N*-acetyl-D-glucosamine, adonitol, L-arabinose, D-arabitol, D-cellobiose, D-fructose, L-fucose, D-galactose, gentiobiose, *α*-D-glucose, m-inositol, *α*-D-lactose, lactulose, maltose, D-mannitol, D-mannose, D-melibiose, *β*-methyl-D-glucoside, D-raffinose, L-rhamnose, D-sorbitol, sucrose, D-trehalose, turanose, xylitol, acetic Acid, D-galactonic acid lactone, D-gluconic Acid, *α*-keto glutaric acid, DL-lactic acid, propionic acid, quinic acid, succinic acid, D-alanine, L-alanine, L-alanyl-glycine, L-asparagine, L-aspartic acid, L-glutamic acid, L-histidine, hydroxy-L-proline, L-ornithine, L-proline, L-pyroglutamic acid, L-serine, inosine, uridine, glycerol, glucose-1-phosphate, glucose-6-phosphate. The DNA G+C content of type strain is 59.28 mol %. Major cellular fatty acids are summed feature 8 (C18:1 *ω7c* and/or C18:1*ω6c*) and Summed feature 2 (aldehyde-C12:0 and/or unknown equivalent chain length). The type strain, M15T (= JCM 32903T = ACCC 60121T), was isolated from the root of rice. The GenBank/The European Bioinformatics Institute EMBL-EBI (EMBL))/DNA Data Bank of Japan (DDBJ) accession numbers for the 16S rRNA, *recA*, *ropB* and *atpD* gene sequences of strain M15T are MT023790, MT028481, MT028482 and MT028483, respectively. The complete genome has been deposited in GenBank under the accession numbers of SAMN14048699.	*Rhizobium*	NCBI Assembly: GCF_010669145.1 Ts	seqco.de/i:38934