Rhizobium quercicola sp. nov.

Submitted by Van Lill, Melandre

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

Proposed Taxon	Etymology	Description	Parent Taxon	Туре	Registry URL
Species Rhizobium quercicola	[quer.ci'co.la] L. fem. n. quercus, oak; L. fem. suffcola, dweller; inhabitant; N.L. fem. n. quercicola, a dweller of oaks	Cells are Gram-negative, non-motile, catalase-positive, oxidase-positive, non-nitrogen-fixing, rod-shaped and aerobic bacteria. After 3 days of incubation at 28 °C on YMA medium, colonies are milk-white, circular, middle convex, and smooth. The growth temperature ranges from 4 to 37 °C (optimum 28 °C), pH 4.0–9.0 (optimum pH 7.0) and tolerates 4% (W/V) NaCl concentration (optimum under 2% NaCl). The production of hydrogen sulphide (H2S), and reduction of nitrate and nitrite are negative. Lack of nitrogen-fixation on N-free plates, absence of <i>nif</i> genes in the draft genome sequence, and by annotation results. In the API 20E kit, positive for 2-nitrophenyl-\(\beta \) Dgalactopyranoside, sodium pyruvate and L-arabinose. In the API 20NE kit, positive for esculin ferric citrate, 4-nitrophenyl-\(\beta \) Dgalactopyranoside, D-mannose, D-mannitol, D-maltose and malic acid. In the API ZYM kit, positive for alkaline phosphatase, esterase (C4), leucine arylamidase, cystine arylamidase, valine arylamidase, trypsin, \(\alpha \)-chymotrypsin, acid phosphatase, \(\alpha \)-glucosidase, \(\beta \)-galactosidase, \(\alpha \)-galactosidase, \(\beta \)-galactosidase, \(\beta \)-leucines are utilized: dextrin, \(\beta \)-maltose, \(\beta \)-fructose, \(\beta \)-cellobiose, sucrose, \(\alpha \)-lactose, \(\alpha \)-D-glucose, \(\beta \)-maltose, \(\beta \)-galactose, \(\beta \)-ga	Rhizobium	NCBI Assembly: GCF_021168455.1	seqco.de/i:49637