

# Denitratimonas tolerans gen. nov. sp. nov.

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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
Genus <i>Denitratimonas</i>	[De.ni.tra.ti.mo'nas] <b>L. pref.</b> <i>de-</i> , away from; <b>N.L. masc. n.</b> <i>nitras</i> , nitrate; <b>L. fem. n.</b> <i>monas</i> , a unit, monad; <b>N.L. fem. n.</b> <i>Denitratimonas</i> , an isolate that reduces nitrate	<b>Han et al., 2016:</b> Cells are Gram-staining-negative, non-spore-forming, slightly curved-rods that are non-motile. Aerobic. The predominant quinone is ubiquinone Q-8. The predominant cellular fatty acids (>10 %) are iso-C15:0, iso-C17:1 $\omega$ 9c, iso-C11:0 and iso-C11:0 3OH. Polar lipids are phosphatidylethanolamine, phosphatidylmonomethylethanolamine, diphosphatidylglycerol, phosphatidylglycerol and unidentified aminophospholipids. The genus is a member of the family <i>Xanthomonadaceae</i> , class <i>Gammaproteobacteria</i> . The type species is <i>Denitratimonas tolerans</i> .	<i>Lysobacteraceae</i>	<i>Denitratimonas tolerans</i> <sup>Ts</sup>	<a href="https://seqco.de/i:37180">seqco.de/i:37180</a>
Species <i>Denitratimonas tolerans</i> <sup>Ts</sup>	[to'le.rans] <b>L. fem. part. adj.</b> <i>tolerans</i> , bearing/tolerating, as the bacterium endures stress conditions	<b>Han et al., 2016:</b> Description is as for the genus plus the following. After 3–5 days of incubation on NA at 30 °C, colonies are round, brown-pigmented, 1.4–2.6 mm in diameter with entire margins. Growth occurs at pH 3–12 (optimum, pH 6–7), 10–42 °C (optimum, 30 °C) and 0–12 % NaCl (optimum, 1 %). Catalase-negative and oxidase-positive. Nitrate is reduced. The DNA G+C content of the type strain is 65.6 ± 0.8 mol%.	<i>Denitratimonas</i>	NCBI Assembly: GCA_037203605.1 <sup>Ts</sup>	<a href="https://seqco.de/i:37179">seqco.de/i:37179</a>