

Register list for *Natronospora cellulosivora* 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>Natronospora</i>	[Na.tro.no.spo'ra] N.L. pref. <i>natrono-</i> , pertaining to soda; Gr. fem. n. spora , seed, and, in biology, a spore; N.L. fem. n. Natronospora , soda loving, spore-forming organism	The genus <i>Natronospora</i> includes moderately salt-tolerant and alkaliphilic, anaerobic, fermentative, heterotrophic, endospore-forming bacteria specialized on utilization of cellulose as the growth substrate. Currently it includes a single species - <i>Natronospora cellulosivora</i> , that was isolated from soda lake. A member of the order <i>Halanaerobiales</i> .	<i>locasiaceae</i>	<i>Natronospora cellulosivora</i> ^{Ts}	seqco.de/i:52917
Species <i>Natronospora cellulosivora</i> ^{Ts}	[cel.lu.lo.si.vo'ra] N.L. neut. n. <i>cellulosum</i> , cellulose; N.L. fem. adj. suff. - vora , devouring; N.L. fem. adj. <i>cellulosivora</i> , devouring cellulose	Cells are thin nonmotile rods of variable length, 0.2-0.3 × 2-10 µm, with the thin monolayer cell-wall structure forming spherical terminal endospores. In the pre-spore state cells are filled with microcompartment-like bodies. The colonies in soft agar with amorphous cellulose are sphaerical and surrounded by cellulose clearance zones. Forms cell-bound yellow-orange pigment. Strictly anaerobic, fermentative, saccharolytic bacterium growing actively only with various forms of insoluble cellulose and less actively with soluble barley beta-glucan, xylan and lichenan. Growth in liquid culture is only possible with a saccharolytic partner from the genus <i>Natronincola</i> . Ammonium (but not urea or nitrate) and (potentially) N ₂ can serve as the nitrogen source during growth on cellulose. Obligately alkaliphilic, with a pH range for growth between 8.2 and 10.2 (opt. at 9.5) and moderately salt-tolerant, with a total Na ⁺ range for growth from 0.3 to 1.75 M (opt. at 0.6-1.0 M). Mesophilic, with a maximum growth temperature at 43°C. G + C content of the genomic DNA is 31.5%.	<i>Natronospora</i>	INSDC Nucleotide: JBBJJH000000000.1 ^{Ts}	seqco.de/i:52915