Azoamicus gen. nov.

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

Proposed Taxon	Etymology	Description	Parent Taxon	Туре	Registry URL
Genus Azoamicus	[A.zo.a'mi.cus] N.L. pref. azo-, pertaining to nitrogen; L. masc. n. amicus, friend; N.L. masc. n. Azoamicus, friend that pertains to nitrogen	'Candidatus Azoamicus ciliaticola' is an obligate endosymbiont of an anaerobic ciliate and has a dedicated role in respiration and providing energy for its eukaryotic host. 'Candidatus A. ciliaticola' contains a highly reduced 0.29-Mb genome that encodes core genes for central information processing, the electron transport chain, a truncated tricarboxylic acid cycle, ATP generation and iron–sulfur cluster biosynthesis. The genome encodes a respiratory denitrification pathway instead of aerobic terminal oxidases, which enables its host to breathe nitrate instead of oxygen. 'Candidatus A. ciliaticola' and its ciliate host represent an example of a symbiosis that is based on the transfer of energy in the form of ATP, rather than nutrition.	Azoamicaceae	Azoamicus ciliaticola ^{Ts}	seqco.de/i:49071
Species Azoamicus ciliaticola ^{Ts}	[ci.li.a.ti.co'la] N.L. fem. n. ciliata, referring to a group of ciliated protozoa; N.L. masc. suffcola, dweller or inhabitant; N.L. masc. adj. ciliaticola, dwelling within a ciliate	Azoamicus ciliaticola, which is an obligate endosymbiont of an anaerobic ciliate and has a dedicated role in respiration and providing energy for its eukaryotic host. A. ciliaticola contains a highly reduced 0.29-Mb genome that encodes core genes for central information processing, the electron transport chain, a truncated tricarboxylic acid cycle, ATP generation and iron–sulfur cluster biosynthesis. The genome encodes a respiratory denitrification pathway instead of aerobic terminal oxidases, which enables its host to breathe nitrate instead of oxygen. A. ciliaticola and its ciliate host represent an example of a symbiosis that is based on the transfer of energy in the form of ATP, rather than nutrition.	Azoamicus	NCBI Assembly: GCF_902860225.1	seqco.de/i:49070