

Register list for 4 new names including *Caproiciproducens ruminis* sp. nov.

Submitted by Loy, Alexander

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

Proposed Taxon	Etymology	Description	Parent Taxon	Type	Registry URL
Genus <i>Neosphaerochaeta</i>	[Ne.o.sphae.ro.chae'ta] Gr. masc. adj. neos , new; N.L. fem. n. Sphaerochaeta , a bacterial genus; N.L. fem. n. Neosphaerochaeta , a new genus related to <i>Sphaerochaeta</i>	The nomenclatural type of this genus was derived from anoxic incubations of cow rumen fluid with sulfoquinovose.	<i>Sphaerochaetaceae</i>	<i>Neosphaerochaeta fermentans</i> ^{Ts}	seqco.de/i:54964
Species <i>Caproiciproducens intestini</i>	[in.tes.ti'ni] L. gen. neut. n. intestini , of the gut, referring to the origin of the bacterium	The designated DNA sequence is MAG SQrumen2 recovered from cow rumen. This species was enriched in anoxic incubations of rumen fluid with sulfoquinovose. Genome-centric metatranscriptomic analysis suggests that sulfoquinovose is fermented via a bifurcated sulfo-transketolase/transaldolase pathway to isethionate and an unidentified sulfonate product.	<i>Caproiciproducens</i>	NCBI Assembly: GCA_053840945.1 ^{Ts}	seqco.de/i:54962
Species <i>Caproiciproducens ruminis</i>	[ru.mi'nis] L. gen. neut. n. ruminis , of the rumen, the source of the bacterium	The designated DNA sequence is MAG SQrumen1 recovered from cow rumen. This species was enriched in anoxic incubations of rumen fluid with sulfoquinovose. Genome-centric metatranscriptomic analysis suggests that sulfoquinovose is fermented via a bifurcated sulfo-transketolase/transaldolase pathway to isethionate and an unidentified sulfonate product.	<i>Caproiciproducens</i>	NCBI Assembly: GCF_053840905.1 ^{Ts}	seqco.de/i:54961
		The designated DNA sequence is MAG SQrumen3 recovered from cow rumen.			

Proposed Taxon Species	Etymology [fer.men'tans] L. fem. part. adj. fermentans,	Description This species was enriched in anoxic incubations of rumen fluid with	Parent Taxon	Type NCBI Assembly:	Registry URL
<i>Neosphaerochaeta fermentans</i> ^{Ts}	fermenting, referring to the source of genome from a sulfoquinovose fermenting bacterium	sulfoquinovose. Genome-centric metatranscriptomic analysis suggests sulfoquinovose is fermented to isethionate via the sulfo-transketolase pathway. The genome additionally encodes two different sulfoquinovosidases (YihQ and SqqA).	<i>Neosphaerochaeta</i>	GCA_053840885.1 ^{Ts}	seqco.de/i:54963