Register list for 6 new names including Sacchlamyda saccharinae 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 *Acherontichlamydia*	[A.che.ron.ti.chla.my'di.a] **L. masc. n.** *Acheron*, the Greek mythological river that flows above and below ground through swamps and caverns; **N.L. fem. fem. n.** *Chlamydia*, the bacterial genus Chlamydia; **N.L. fem. n.** *Acherontichlamydia*, the Chlamydia from Acheron	A genus of Rhabdochlamydiaceae bacteria. The type species was identified though the NCBI nr database with bait sequences from other Rhabdochlamydiaceae. Genus status was established on the basis of sharing <65% Average Amino-acid Identity (AAI) with any other Rhabdochlamydiaceae bacteria, as well as phylogenetic analysis of single copy core amino acids from 112 Chlamydiae bacteria. Analysis using the GTDB-tk pipeline assigned the type genome to an unnamed Rhabdochlamydiaceae genus.	*Rhabdochlamydiaceae*	*Acherontichlamydia pituitae*[Ts]	seqco.de/i:31374
Genus *Amphritriteisimkania*	[Am.phri.tri.te.i.sim.ka'ni.a] **N.L. fem. n.** *Amphritrite*, from Gr. Amphritrite, wife of Poseidon; **N.L. fem. n.** *Simkania*, the bacterial genus Simkania; **N.L. fem. n.** *Amphritriteisimkania*, the "Simkania" of Amphritrite	A genus of Simkaniaceae bacteria. The type species was extracted through a metagenomic assembly pipeline from the syndinian parasite *Amoebophrya* sp. AT5.2. Genus status was established on the basis of sharing <65% Average Amino-acid Identity (AAI) with any other Simkaniaceae bacteria, as well as phylogenetic analysis of single copy core amino acids from 112 Chlamydiae bacteria. Analysis using the GTDB-tk pipeline assigned the type	*Simkaniaceae*	*Amphritriteisimkania amoebophyrae*[Ts]	seqco.de/i:31322

Proposed Taxon	Etymology	Description	Parent Taxon	Type	Registry URL
		genome to an unnamed Simkaniaceae genus.			
Genus *Saccharinichlamydia*	[Sac.cha.ri.ni.i.chla.my'di.a] **N.L. fem. n.** *Saccharina*, the putative algal host of the bacterium, Saccharina japonica; **N.L. fem. n.** *Chlamydia*, the bacterial genus Chlamydia; **N.L. fem. n.** *Saccharinichlamydia*, Chlamydia related bacteria from Saccharina algae	A genus of Rhabdochlamydiaceae bacteria. The type species was extracted through a metagenomic assembly pipeline from the seaweed *Saccharina japonica*. Genus status was established on the basis of sharing <65% Average Amino-acid Identity (AAI) with any other Rhabdochlamydiaceae bacteria, as well as phylogenetic analysis of single copy core amino acids from 112 Chlamydiae bacteria. Analysis using the GTDB-tk pipeline assigned the type genome to an unnamed Rhabdochlamydiaceae genus.	*Rhabdochlamydiaceae*	*Saccharinichlamydia saccharinae*[Ts]	seqco.de/i:31325
Species *Acherontichlamydia pituitae*[Ts]	[pi.tu.i'tae] **L. gen. n.** *pituitae*, sludge	A species of Rhabdochlamydiaceae bacteria. The type species was identified though the NCBI nr database with bait sequences from other Rhabdochlamydiaceae. Species status was established based on sharing <95% Average Nucleotide Identity (AAI) with any other Rhabdochlamydiaceae.	*Acherontichlamydia*	NCBI Assembly: GCA_019634675.1 [Ts]	seqco.de/i:31373
Species *Amphritriteisimkania amoebophyrae*[Ts]	[a.moe.bo.phy'rae] **N.L. gen. n.** *amoebophyrae*, of amoebophyra	A species of Simkaniaceae bacteria. The type species was extracted through a metagenomic assembly pipeline applied to the syndinian parasite *Amoebophrya* sp. AT5.2 (accession SRR3080743). Species status was established based on sharing <95% Average Nucleotide Identity (ANI) with any other Simkaniaceae.	*Amphritriteisimkania*	NCBI Assembly: GCA_030408475.1 [Ts]	seqco.de/i:31321

Proposed Taxon	Etymology	Description	Parent Taxon	Type	Registry URL
Species *Saccharinichlamydia saccharinae*[Ts]	[sac.cha.ri'nae] **N.L. gen. n.** *saccharinae*, of Saccharina seaweed	A species of Rhabdochlamydiaceae bacteria. The type species was extracted through a metagenomic assembly pipeline applied to the seaweed *Saccharina japonica* (accession SRR2043156). Species status was established based on sharing <95% Average Nucleotide Identity (ANI) with any other Rhabdochlamydiaceae.	*Saccharinichlamydia*	NCBI Assembly: GCA_030408505.1 [Ts]	seqco.de/i:31324