

Register list for 8 new names including *Sulfomarinibacter kjeldsenii* 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
Family <i>Sulfomarinibacteraceae</i>	N.L. masc. n. <i>Sulfomarinibacter</i> , referring to the type genus <i>Sulfomarinibacter</i> ; L. fem. pl. suff. <i>-aceae</i> , ending to denote a family; N.L. fem. pl. n. <i>Sulfomarinibacteraceae</i> , the <i>Sulfomarinibacter</i> family	Acidobacteriota GTDB family FEB-10	<i>Thermoanaerobaculales</i>	<i>Sulfomarinibacter</i>	seqco.de/i:23538

Proposed Taxon	Etymology	Description	Parent Taxon	Type	Registry URL
<p>Genus <i>Sulfomarinibacter</i></p>	<p>[Sul.fo.ma.ri.ni.bac'ter.] L. neut. n. <i>sulfur</i>, sulfur; L. masc. adj. <i>marinus</i>, marine; N.L. masc. n. <i>bacter</i>, rod; N.L. masc. n. <i>Sulfomarinibacter</i>, a sulfur-metabolizing marine rod</p>	<p>Designation of the type MAG AM3-C MAG accession number JACXWC000000000 Genome status1 Draft Estimated genome size 4.3 Mbp GC mol% 60,9 Country of origin Norway Region of origin Svalbard Source of sample Marine sediment Sampling date July, 2016 Geographic location Smeerenburgfjorden Latitude 79° 42.83N Longitude 11° 05.10E Water depth 211 m Sediment depth 5-15 cm Sample temperature - 1.7°C and + 1 to + 3°C, Putative energy metabolism Predicted ability to use cellulose, protein, cyanophycin, hydrogen and acetate. Possible ability to respire nitrous oxide, metal-oxides, tetrathionate, sulfur and sulfite/sulfate, or sulfur disproportionation. Putative relation to oxygen Anaerobe Cell shape Thin rods, ~2 x 0.5 microns, visualized by CARD-FISH.</p>	<p><i>Sulfomarinibacteraceae</i></p>	<p><i>Sulfomarinibacter kjeldsenii</i>^{TS}</p>	<p>seqco.de/i:23537</p>

Proposed Taxon	Etymology	Description	Parent Taxon	Type	Registry URL
<p>Species <i>Sulfomarinibacter kjeldsenii</i>^s</p>	<p>[kjeld.se'ni.i.] N.L. gen. n. <i>kjeldsenii</i>, named after Kasper Urup Kjeldsen</p>	<p>MAG accession number JACXWC000000000 Genome status1 Draft Estimated genome size 4.3 Mbp GC mol% 60,9 Country of origin Norway Region of origin Svalbard Source of sample Marine sediment Sampling date July, 2016 Geographic location Smeerenburgfjorden Latitude 79° 42.83N Longitude 11° 05.10E Water depth 211 m Sediment depth 5-15 cm Sample temperature - 1.7°C and + 1 to + 3°C, Putative energy metabolism Predicted ability to use cellulose, protein, cyanophycin, hydrogen and acetate. Possible ability to respire nitrous oxide, metal-oxides, tetrathionate, sulfur and sulfite/sulfate, or sulfur disproportionation. Putative relation to oxygen Anaerobe Cell shape Thin rods, ~2 x 0.5 microns, visualized by CARD-FISH.</p>	<p><i>Sulfomarinibacter</i></p>	<p>NCBI Assembly: GCA_014764525.1 _{Ts}</p>	<p>seqco.de/i:23536</p>