

Rariloculales ord. 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
Order <i>Rariloculales</i>	[Ra.ri.lo.cu.la'les] N.L. masc. n. <i>Rariloculus</i> , referring to the type genus <i>Rariloculus</i> ; <i>-ales</i> , ending to denote an order; N.L. fem. pl. n. <i>Rariloculales</i> , the <i>Rariloculus</i> order	The order of the family Rariloculaceae	<i>Gammaproteobacteria</i>	<i>Rariloculus</i>	seqco.de/i:32587
Order <i>Spongiifermentales</i>	[Spon.gi.i.fer.men.ta'les] N.L. neut. n. <i>Spongiifermentum</i> , referring to the type genus <i>Spongiifermentum</i> ; <i>-ales</i> , ending to denote an order; N.L. fem. pl. n. <i>Spongiifermentales</i> , the <i>Spongiifermentum</i> order	The order of the family Spongiifermentaceae	<i>Gammaproteobacteria</i>	<i>Spongiifermentum</i>	seqco.de/i:32591
Family <i>Azophilaceae</i>	[A.zo.phi.la'ce.ae] N. L. n. masc. <i>Azophilus</i> , referring to the type genus <i>Azophilus</i> ; <i>-aceae</i> , ending to denote a family; N.L. fem. pl. n. <i>Azophilaceae</i> , the <i>Azophilus</i> family	A family of the genus <i>Azophilus</i>	<i>Pseudomonadales</i>	<i>Azophilus</i>	seqco.de/i:32583
Family <i>Oxydemutatoraceae</i>	[O.xy.de.mu.ta.to.ra'ce.ae] N.L. masc. n. <i>Oxydemutator</i> , referring to the type genus <i>Oxydemutator</i> ; <i>-aceae</i> , ending to denote a family; N.L. fem. pl. n. <i>Oxydemutatoraceae</i> , the <i>Oxydemutator</i> family	The family of the genus <i>Oxydemutator</i>	<i>Poriferisulfidales</i>	<i>Oxydemutator</i>	seqco.de/i:33264
Family <i>Rariloculaceae</i>	[Ra.ri.lo.cu.la'ce.ae] N.L. masc. n. <i>Rariloculus</i> , referring to the type genus <i>Rariloculus</i> ; <i>-aceae</i> , ending to denote a family; N.L. fem. pl. n. <i>Rariloculaceae</i> , the <i>Rariloculus</i> family	The family of the genus <i>Rariloculus</i>	<i>Rariloculales</i>	<i>Rariloculus</i>	seqco.de/i:32586
Family <i>Spongiifermentaceae</i>	[S.pon.gi.i.fer.men.ta'ce.ae] N.L. neut. n. <i>Spongiifermentum</i> , referring to the type genus <i>Spongiifermentum</i> ; <i>-aceae</i> , ending to denote a family; N.L. fem. pl. n. <i>Spongiifermentaceae</i> , the <i>Spongiifermentum</i> family	The family of the genus <i>Spongiifermentum</i>	<i>Spongiifermentales</i>	<i>Spongiifermentum</i>	seqco.de/i:32590

Proposed Taxon	Etymology	Description	Parent Taxon	Type	Registry URL
Genus <i>Azophilus</i>	[A.zo.phi'lus] N.L. pres. n. <i>azophilus</i> , pertaining to nitrogen (specifically azo compounds); N.L. adj. masc. , philus, friend, loving; N.L. masc. n. <i>Azophilus</i> , capable of using nitrogen-derived compounds	An nitrogen-loving bacterium	<i>Azophilaceae</i>	<i>Azophilus lithoversatilis</i> ^{Ts}	seqco.de/i:32582
Genus <i>Oxydemutator</i>	[O.xy.de.mu.ta'tor] N.L. neut. n. <i>oxygenium</i> , meaning oxygen; L. masc. n. <i>demutator</i> , meaning changer; N.L. masc. n. <i>Oxydemutator</i> , changer of oxygen	a sponge-associated bacterium that can alter its respiration under different oxic conditions	<i>Oxydemutatoraceae</i>	<i>Oxydemutator thiolithooxidans</i> ^{Ts}	seqco.de/i:33263
Genus <i>Rariloculus</i>	[Ra.ri.lo.cu'llus] L. masc. adj. <i>rara</i> , rare; L. masc. adj. <i>loculus</i> , a little place; N.L. masc. n. <i>Rariloculus</i> , a rare bacterium in its habitat	a sponge-associated bacterium found in low abundances in its habitat	<i>Rariloculaceae</i>	<i>Rariloculus versatilis</i> ^{Ts}	seqco.de/i:32585
Genus <i>Spongiifermentum</i>	[Spon.gi.i.fer.men'tum] L. fem. n. <i>spongia</i> , sponge; L. neut. n. <i>fermentum</i> , fermentation; N.L. neut. n. <i>Spongiifermentum</i> , a bacterium with the ability to ferment within the sponge environment	A bacterium with the ability to ferment within the sponge environment	<i>Spongiifermentaceae</i>	<i>Spongiifermentum lactens</i> ^{Ts}	seqco.de/i:32589
Genus <i>Spongiihabitans</i>	[Spon.gi.i.ha.bi'tans] L. fem. n. <i>spongia</i> , meaning sponge; L. pres. part. <i>habitans</i> , meaning inhabitant; N.L. fem. n. <i>Spongiihabitans</i> , one that lives in a sponge	A bacterium that lives in a sponge	<i>Poriferihabitantaceae</i>	<i>Spongiihabitans thiooxidans</i> ^{Ts}	seqco.de/i:33261
Species <i>Azophilus lithoversatilis</i> ^{Ts}	[li.tho.ver.sa.ti'lis] Gr. masc. n. <i>lithos</i> , meaning stone/ inorganic; L. masc. adj. <i>versatilis</i> , meaning versatile; N.L. masc. adj. <i>lithoversatilis</i> , using various inorganics	A sponge symbiont with versatile lithotrophic metabolism	<i>Azophilus</i>	NCBI Assembly: GCA_028278675.1 ^{Ts}	seqco.de/i:32581
Species <i>Oxydemutator thiolithooxidans</i> ^{Ts}	[thi.o.li.tho.o.xi'dans] Gr. neut. n. <i>theion</i> , meaning sulfur; Gr. masc. n. <i>lithos</i> , meaning stone; N.L. pres. part. <i>oxidans</i> , meaning to oxidise; N.L. part. adj. <i>thiolithooxidans</i> , capable of oxidizing diverse inorganic sulfur compounds	A sponge-associated bacterium predicted to be capable of oxidizing diverse inorganic sulfur compounds	<i>Oxydemutator</i>	NCBI Assembly: GCA_028817225.1 ^{Ts}	seqco.de/i:33262
Species <i>Rariloculus versatilis</i> ^{Ts}	[ver.sa.ti'lis] L. adj. masc. <i>versatilis</i> , versatile	A rare sponge symbiont	<i>Rariloculus</i>	NCBI Assembly: GCA_028278665.1	seqco.de/i:32584

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Species <i>Spongiifermentum</i> <i>lactens</i> ^{Ts}	[lac'tens] L. neut. adj. <i>lactens</i> , milky	Sponge symbiont that is characterized as a facultative chemolithoautotroph, capable of facultative aerobic growth	<i>Spongiifermentum</i>	NCBI Assembly: GCA_028289815.1 ^{Ts}	seqco.de/i:32588
Species <i>Spongiihabitans</i> <i>thiooxidans</i> ^{Ts}	[thi.o.o.xi'dans] Gr. neut. n. <i>theion</i> , meaning sulfur; N.L. pres. part. <i>oxidans</i> , meaning to oxidise; N.L. part. adj. <i>thiooxidans</i> , sulfur oxidising	A sponge symbiont that has the predicted capacity for the oxidation of sulfur compounds	<i>Spongiihabitans</i>	NCBI Assembly: GCA_028817405.1 ^{Ts}	seqco.de/i:32610