Register list for Spongiamicus weybensis gen. nov. sp. nov. and their lineage

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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
Phylum *Spongiamicota*	[Spon.gi.a.mi.co'ta] **N.L. masc. n.** *Spongiamicus*, referring to the type genus *Spongiamicus*; *-ota*, ending to denote a phylum; **N.L. neut. pl. n.** *Spongiamicota*, the *Spongiamicus* phylum	The highest relative abundances of this phylum were observed in sponge metagenomes from the marine sponge *Aplysina aerophoba* from the Gulf of Piran, Slovenia, and Ssperm DNA of *Galaxea fascicularis* from an undisclosed coral reef sample. The phylum has a global distribution and was mainly present in public shotgun metagenome datasets labelled as marine metagenomes, marine sediment metagenomes, seawater metagenome, and sponge metagenome.	*Bacteria*	*Spongiamicus*	seqco.de/i:49701
Class *Spongiamicia*	[Spon.gi.a.mi'ci.a] **N.L. masc. n.** *Spongiamicus*, referring to the type genus *Spongiamicus*; *-ia*, ending to denote a class; **N.L. neut. pl. n.** *Spongiamicia*, the *Spongiamicus* class	The description is the same as for the nomenclatural type *Spongiamicus weybensis.*	*Spongiamicota*	*Spongiamicus*	seqco.de/i:49703
Order *Spongiamicales*	[Spon.gi.a.mi.ca'les] **N.L. masc. n.** *Spongiamicus*, referring to the type genus *Spongiamicus*; *-ales*, ending to denote an order; **N.L. fem. pl. n.** *Spongiamicales*, the *Spongiamicus* order	The description is the same as for the nomenclatural type *Spongiamicus weybensis.*	*Spongiamicia*	*Spongiamicus*	seqco.de/i:49704
Family	[Spon.gi.a.mi.ca'ce.ae] **N.L. masc. n.** *Spongiamicus*, referring to the type genus *Spongiamicus*; *-aceae*,	The description is the same as for the nomenclatural type *Spongiamicus*	*Spongiamicales*	*Spongiamicus*	seqco.de/i:49705

Proposed Taxon	Etymology	Description	Parent Taxon	Type	Registry URL
Spongiamicaceae	ending to denote a family; **N.L. fem. pl. n.** *Spongiamicaceae*, the *Spongiamicus* family	*weybensis.*			
Genus *Spongiamicus*	[Spon.gi.a'mi.cus] **L. fem. n.** *spongia*, sponge, the colloquial term for the eukaryotic lineage *Porifera*; **L. masc. n.** *amicus*, friend; **N.L. masc. n.** *Spongiamicus*, a friend of sponges	The description is the same as for the nomenclatural type *Spongiamicus weybensis.*	*Spongiamicaceae*	*Spongiamicus weybensis*[Ts]	seqco.de/i:49706
Species *Spongiamicus weybensis*[Ts]	[we.y.ben'sis] **N.L. masc. adj.** *weybensis*, of or pertaining to Lake Weyba, a saltwater lake in Queensland, Australia	*S. weybensis* is inferred as organoheterotrophs but could potentially fix CO2 via the Wood-LjungdahlWL pathway. It also encodes genes for nitrogen fixation.	*Spongiamicus*	NCBI Assembly: GCA_988280555.1 [Ts]	seqco.de/i:49702