Register list for Arenidesulfomonas baltica 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
Order *Arenidesulfomonadales*	[A.re.ni.de.sul.fo.mo.na.da'les] **N.L. fem. n.** *Arenidesulfomonas*, referring to the type genus *Arenidesulfomonas*; *-ales*, ending to denote an order; **N.L. fem. pl. n.** *Arenidesulfomonadales*, the *Arenidesulfomonas* order	The order *Arenidesulfomonadales* is defined based on its type family *Arenidesulfomonadaceae*.	*Thermodesulfovibrionia*	*Arenidesulfomonas*	seqco.de/i:56279
Family *Arenidesulfomonadaceae*	[A.re.ni.de.sul.fo.mo.na.da'ce.ae] **N.L. fem. n.** *Arenidesulfomonas*, referring to the type genus *Arenidesulfomonas*; *-aceae*, ending to denote a family; **N.L. fem. pl. n.** *Arenidesulfomonadaceae*, the *Arenidesulfomonas* family	The family *Arenidesulfomonadaceae* is defined based on its type genus *Arenidesulfomonas*.	*Arenidesulfomonadales*	*Arenidesulfomonas*	seqco.de/i:56280
Genus *Arenidesulfomonas*	[A.re.ni.de.sul.fo.mo'nas] **L. fem. n.** *arena*, sand; **N.L. pref.** *desulfo-*, desulfuricating, here referring to sulfate reduction; **L. fem. n.** *monas*, a single unit; **N.L. fem. n.** *Arenidesulfomonas*, sulfate reducer occurring in sands	The genus *Arenidesulfomonas* is defined based on its nomenclatural type *Arenidesulfomonas baltica* that is represented by a MAG from sandy sediments in the Baltic Sea involved in sulfate reduction.	*Arenidesulfomonadaceae*	*Arenidesulfomonas baltica*[Ts]	seqco.de/i:56281
		The MAG of *Arenidesulfomonas baltica* was reconstructed from sediment metagenomes from the Odra Bank in the			

Proposed Taxon	Etymology	Description	Parent Taxon	Type	Registry URL
Species *Arenidesulfomonas baltica*[Ts]	[bal.ti'ca] **N.L. fem. adj.** *baltica*, pertaining to the Baltic Sea or Baltic region	Baltic Sea (salinity 5-8 psu). Metatranscriptomic analyses showed that *Arenidesulfomonas baltica* plays a crucial role in sulfate reduction in the sandy sediments at this location.	*Arenidesulfomonas*	NCBI Assembly: GCA_985800395.1[Ts]	seqco.de/i:56278