

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

Species	Proposed Taxon	Etymology	Description	Parent Taxon	Type	Registry URL
<i>Arenidesulfomonas baltica</i> ^{Ts}		[bal.ti'ca] N.L. fem. adj. <i>baltica</i> , pertaining to the Baltic Sea or	Baltic Sea (salinity 5-8 psu). Metatranscriptomic analyses showed that <i>Arenidesulfomonas baltica</i> plays a crucial role in sulfate reduction in the sandy sediments at this location.	<i>Arenidesulfomonas</i>	NCBI Assembly: GCA_983800395.1 Ts	seqco.de/56278