

Register list for *Shennongiarchaeum shenzhenensis* 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
Class <i>Shennongiarchaeia</i>	[Shen.non.gi.ar.chae'i.a] N.L. neut. n. <i>Shennongiarchaeum</i> , referring to the type genus <i>Shennongiarchaeum</i> ; <i>-ia</i> , ending to denote a class; N.L. neut. pl. n. <i>Shennongiarchaeia</i> , the <i>Shennongiarchaeum</i> class	A class established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the <i>Thermoplasmatota</i> phylum.	<i>Poseidoniota</i>	<i>Shennongiarchaeum</i>	seqco.de/i:49837
Order <i>Shennongiarchaeales</i>	[Shen.non.gi.ar.chae.a'les] N.L. neut. n. <i>Shennongiarchaeum</i> , referring to the type genus <i>Shennongiarchaeum</i> ; <i>-ales</i> , ending to denote an order; N.L. fem. pl. n. <i>Shennongiarchaeales</i> , the <i>Shennongiarchaeum</i> order	A order established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the <i>Shennongarchaeia</i> class.	<i>Shennongiarchaeia</i>	<i>Shennongiarchaeum</i>	seqco.de/i:49838
Family <i>Shennongiarchaeaceae</i>	[Shen.non.gi.ar.chae.a.ce'ae] N.L. neut. n. <i>Shennongiarchaeum</i> , referring to the type genus <i>Shennongiarchaeum</i> ; <i>-aceae</i> , ending to denote a family; N.L. fem. pl. n. <i>Shennongiarchaeaceae</i> , the <i>Shennongiarchaeum</i> family	A family established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the <i>Shennongarchaeales</i> order.	<i>Shennongiarchaeales</i>	<i>Shennongiarchaeum</i>	seqco.de/i:49839
Genus <i>Shennongiarchaeum</i>	[Shen.non.gi.ar.chae'um] N.L. masc. n. <i>Shennongius</i> , the Chinese mythical figure Shennong; N.L. neut. n. <i>archaeum</i> , archaeon; N.L. neut. n. <i>Shennongiarchaeum</i> , an archaeon named for Shennong	A genus established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the <i>Shennongarchaeaceae</i> family. The type species of the genus is <i>Shennongarchaeum</i>	<i>Shennongiarchaeaceae</i>	<i>Shennongiarchaeum shenzhenensis</i> ^{Ts}	seqco.de/i:49840

Proposed Taxon	Etymology	<i>Shenzhenensis</i> Description	Parent Taxon	Type	Registry URL
Species <i>Shennongiarchaeum</i> <i>shenzhenensis</i> ^{Ts}	[shen.zhen'ensis] N.L. neut. adj. <i>shenzhenensis</i> , of Shenzhen, denoting origin from Shenzhen city	A species established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the <i>Shennongarchaeum</i> genus.	<i>Shennongiarchaeum</i>	INSDC Nucleotide: JBLIRK000000000 ^{Ts}	seqco.de/i:49836