

# Register list for *Shennongiarchaeum shenzhenensis* gen. nov. sp. nov. and their lineage

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## Class *Shennongiarchaeia*

### Etymology

[Shen.non.gi.ar.chae'i.a] **N.L. neut. n.** *Shennongiarchaeum*, referring to the type genus *Shennongiarchaeum*; *-ia*, ending to denote a class; **N.L. neut. pl. n.** *Shennongiarchaeia*, the *Shennongiarchaeum* class

### Nomenclatural type

Genus *Shennongiarchaeum*

### Description

A class established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Thermoplasmatota* phylum.

### Classification

*Archaea* » “Poseidoniota” » *Shennongiarchaeia*

### References

Effective publication: Qi et al., 2025 [1]

### Registry URL

<https://seqco.de/i:49837>

## Order *Shennongiarchaeales*

### Etymology

[Shen.non.gi.ar.chae.a'les] **N.L. neut. n.** *Shennongiarchaeum*, referring to the type genus *Shennongiarchaeum*; *-ales*, ending to denote an order; **N.L. fem. pl. n.** *Shennongiarchaeales*, the *Shennongiarchaeum* order

### Nomenclatural type

Genus *Shennongiarchaeum*

### Description

A order established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Shennongiarchaeia* class.

### Classification

*Archaea* » “Poseidoniota” » *Shennongiarchaeia* » *Shennongiarchaeales*

### References

Effective publication: Qi et al., 2025 [1]

### Registry URL

<https://seqco.de/i:49838>

## Family *Shennongiarchaeaceae*

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### Etymology

[Shen.non.gi.ar.chae.a.ce'ae] **N.L. neut. n.** *Shennongiarchaeum*, referring to the type genus *Shennongiarchaeum*; *-aceae*, ending to denote a family; **N.L. fem. pl. n.** *Shennongiarchaeaceae*, the *Shennongiarchaeum* family

### Nomenclatural type

Genus *Shennongiarchaeum*

### Description

A family established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Shennongarchaeales* order.

### Classification

*Archaea* » "Poseidoniota" » *Shennongiarchaeia* » *Shennongiarchaeales* » *Shennongiarchaeaceae*

### References

Effective publication: Qi et al., 2025 [1]

### Registry URL

<https://seqco.de/i:49839>

## Genus *Shennongiarchaeum*

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### Etymology

[Shen.non.gi.ar.chae'um] **N.L. masc. n.** *Shennongius*, the Chinese mythical figure Shennong; **N.L. neut. n.** *archaeum*, archaeon; **N.L. neut. n.** *Shennongiarchaeum*, an archaeon named for Shennong

### Nomenclatural type

Species *Shennongiarchaeum shenzhenensis*<sup>TS</sup>

### Description

A genus established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Shennongarchaeaceae* family. The type species of the genus is *Shennongarchaeum shenzhenensis*.

### Classification

*Archaea* » "Poseidoniota" » *Shennongiarchaeia* » *Shennongiarchaeales* » *Shennongiarchaeaceae* » *Shennongiarchaeum*

### References

Effective publication: Qi et al., 2025 [1]

### Registry URL

<https://seqco.de/i:49840>

## Species *Shennongiarchaeum shenzhenensis*<sup>Ts</sup>

### Etymology

[shen.zhen'ensis] **N.L. neut. adj.** *shenzhenensis*, of Shenzhen, denoting origin from Shenzhen city

### Nomenclatural type

[INSDC Nucleotide: JBLIRK000000000](#)<sup>Ts</sup>

### Description

A species established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Shennongiarchaeum* genus.

### Classification

*Archaea* » "Poseidoniota" » *Shennongiarchaeia* » *Shennongiarchaeales* »  
*Shennongiarchaeaceae* » *Shennongiarchaeum* » *Shennongiarchaeum shenzhenensis*<sup>Ts</sup>

### References

Effective publication: Qi et al., 2025 [1]

### Registry URL

<https://seqco.de/i:49836>

## References

1. Qi et al. (2025). Temporal and Spatial Dynamics of Microbial Community Composition and Functional Potential in Mangrove Wetlands over a Seven-Year Period. *Environmental Science & Technology*. [DOI:10.1021/acs.est.5c01564](https://doi.org/10.1021/acs.est.5c01564)

## Register List Certificate of Validation

On behalf of the *Committee on the Systematics of Prokaryotes Described from Sequence Data* (SeqCode Committee), we hereby certify that the Register List **seqco.de/r:jopuv68b** submitted by **Qi, Yanling** and including 5 new names has been successfully validated.

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