

# Register list for 9 new names including *Gammaporibacter thiotrophicus* sp. nov.

Submitted by Thomas, Torsten

## Genus *Cenoporarchaeum*

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### Etymology

[Ce.no.po.rar.chae'um] **Gr. masc. adj.** *kainos*, meaning recent; **Gr. masc. n.** *poros*, meaning pore; **N.L. neut. n.** *archaeum*, meaning an archaeon; **N.L. neut. n.** *Cenoporarchaeum*, a relative of *Candidatus Cenarchaeum* from a sponge

### Nomenclatural type

Species *Cenoporarchaeum stylissae*<sup>TS</sup>

### Description

An archaeon living in a sponge

### Classification

*Archaea* » *Thermoproteota* » *Nitrososphaeria* » *Nitrosopumilales* » *Nitrosopumilaceae* » *Cenoporarchaeum*

### References

Effective publication: Zhang et al., 2024 [1]  
Original (not valid) publication: Zhang et al., 2019 [2]  
*Corrigendum*: Oren, Garrity, 2021 [3] (from “*Cenporiarchaeum*”)

### Registry URL

<https://seqco.de/i:33272>

## Genus *Deltaporibacter*

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### Etymology

[Del.ta.po.ri.bac'ter] **Gr. neut. n.** *delta*, name of the fourth letter of the Greek alphabet; **L. masc. n.** *porus*, pore; **N.L. masc. n.** *bacter*, rod; **N.L. masc. n.** *Deltaporibacter*, a fourth genus of rod-shaped bacteria living in a pore

### Nomenclatural type

Species *Deltaporibacter stylissae*<sup>TS</sup>

### Description

A sponge-associated bacterium

### Classification

*Bacteria* » *Myxococcota* » “*Deltaporibacteria*” » “*Deltaporibacterales*” » “*Deltaporibacteraceae*” » *Deltaporibacter*

### References

Effective publication: Zhang et al., 2024 [1]

### Registry URL

<https://seqco.de/i:32614>

## Genus *Gammaporibacter*

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### Etymology

[Gam.ma.po.ri.bac'ter] **Gr. neut. n.** *gamma*, the name of the third letter of Greek alphabet; **L. masc. n.** *porus*, meaning pore or passage in the body.; **N.L. masc. n.** *bacter*, meaning rod; **N.L. masc. n.** *Gammaporibacter*, A rod-shape bacterium living in pores (of sponges) and belonging to the gammaproteobacteria

### Nomenclatural type

Species *Gammaporibacter thiotrophicus*<sup>Ts</sup>

### Description

A rod-shape bacterium living in pores (of sponges) and belonging to the gammaproteobacteria

### Classification

*Bacteria* » *Pseudomonadota* » *Gammaproteobacteria* » “*Gammaporibacterales*” » “*Gammaporibacteraceae*” » *Gammaporibacter*

### References

Effective publication: Zhang et al., 2024 [1]

### Registry URL

<https://seqco.de/i:33268>

## Genus *Nitrosongiibacter*

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### Etymology

[Ni.tro.spon.gi.i.bac'ter] **N.L. pref.** *nitro-*, native soda, natron, nitrate; **L. fem. n.** *spongia*, sponge; **N.L. masc. n.** *bacter*, rod; **N.L. masc. n.** *Nitrosongiibacter*, a nitrifying, sponge-associated bacterium

### Nomenclatural type

Species *Nitrosongiibacter stylissae*<sup>Ts</sup>

### Description

A sponge-associated, nitrifying bacterium

### Classification

*Bacteria* » *Nitrospirota* » *Nitrospiria* » *Nitrospirales* » “*Nitrosongiibacteraceae*” » *Nitrosongiibacter*

### References

Effective publication: Zhang et al., 2024 [1]

### Registry URL

<https://seqco.de/i:32606>

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## Species *Cenoporarchaeum stylissae*<sup>Ts</sup>

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**Etymology**

[s.ty.lis'sae] **N.L. gen. n.** *stylissae*, of the sponge *Stylissa*

**Nomenclatural type**

[NCBI Assembly: GCA\\_028817155.1](#)<sup>Ts</sup>

**Description**

An archaeon found in the sponge *Stylissa*.

**Classification**

*Archaea* » *Thermoproteota* » *Nitrososphaeria* » *Nitrosopumilales* » *Nitrosopumilaceae* » *Cenoporarchaeum* » *Cenoporarchaeum stylissae*<sup>Ts</sup>

**References**

Effective publication: Zhang et al., 2024 [1]

Original (not valid) publication: Zhang et al., 2019 [2]

*Corrigendum*: Oren, Garrity, 2021 [3] (from “Cenporiarchaeum stylissum”)

**Registry URL**

<https://seqco.de/i:33271>

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## Species *Deltaporibacter stylissae*<sup>Ts</sup>

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**Etymology**

[sty.lis'sae] **N.L. gen. n.** *stylissae*, of the sponge *Stylissa*

**Nomenclatural type**

[NCBI Assembly: GCA\\_028817435.1](#)<sup>Ts</sup>

**Description**

A bacterium associated with the sponge species *Stylissa*

**Classification**

*Bacteria* » *Myxococcota* » “*Deltaporibacteria*” » “*Deltaporibacterales*” » “*Deltaporibacteraceae*” » *Deltaporibacter* » *Deltaporibacter stylissae*<sup>Ts</sup>

**References**

Effective publication: Zhang et al., 2024 [1]

**Registry URL**

<https://seqco.de/i:32613>

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## Species *Gammaporibacter thiotrophicus*<sup>Ts</sup>

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**Etymology**

[thi.o.tro'phi.cus] **Gr. neut. n.** *theion*, meaning sulfur; **Gr. masc. adj.** *trophikos*, nursing, tending or feeding; **N.L. masc. adj.** *thiotrophicus*, feeding on sulfur

**Nomenclatural type**

[NCBI Assembly: GCA\\_028817305.1](#)<sup>Ts</sup>

**Description**

A bacterium from a sponge that can live with sulfur as an energy source

**Classification**

*Bacteria* » *Pseudomonadota* » *Gammaproteobacteria* » “*Gammaporibacterales*” » “*Gammaporibacteraceae*” » *Gammaporibacter* » *Gammaporibacter thiotrophicus*<sup>Ts</sup>

**References**

Effective publication: Zhang et al., 2024 [1]

**Registry URL**

<https://seqco.de/i:33267>

## Species *Nitrosongiibacter stylissae*<sup>Ts</sup>

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### Etymology

[sty.li'ssae] **N.L. gen. n.** *stylissae*, of the sponge *Stylissa*

### Nomenclatural type

[NCBI Assembly: GCA\\_028817215.1](#)<sup>Ts</sup>

### Description

A bacterium found in the sponge *Stylissus*

### Classification

*Bacteria* » *Nitrospirota* » *Nitrospira* » *Nitrospirales* » “*Nitrosongiibacteraceae*” »  
*Nitrosongiibacter* » *Nitrosongiibacter stylissae*<sup>Ts</sup>

### References

Effective publication: Zhang et al., 2024 [1]

### Registry URL

<https://seqco.de/i:32605>

## Species *Parasynechococcus marinus*

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### Etymology

[ma.ri'nus] **L. masc. adj.** *marinus*, of the sea

### Nomenclatural type

[NCBI Assembly: GCA\\_028817335.1](#)<sup>Ts</sup>

### Description

A cyanobacterium found in the marine environment

### Classification

*Bacteria* » *Cyanobacteriota* » *Cyanophyceae* » “*Synechococcales*” » *Synechococcaceae* »  
*Parasynechococcus* » *Parasynechococcus marinus*

### References

Effective publication: Zhang et al., 2024 [1]

### Registry URL

<https://seqco.de/i:32604>

## References

1. Zhang et al. (2024). Genome-scale metabolic modelling reveals interactions and key roles of symbiont clades in a sponge holobiont. *Nature Communications*. DOI:10.1038/s41467-024-55222-w
2. Zhang et al. (2019). Comparative Genomics Reveals Ecological and Evolutionary Insights into Sponge-Associated *Thaumarchaeota*. *mSystems*. DOI:10.1128/msystems.00288-19
3. Oren, Garrity (2021). Candidatus List No. 2. Lists of names of prokaryotic Candidatus taxa. *International Journal of Systematic and Evolutionary Microbiology*. DOI:10.1099/ijsem.0.004671

## 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:mrprpwka** submitted by **Thomas, Torsten** and including 9 new names has been successfully validated.

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