

# Register list for 6 new names including Hadarchaeaceae fam. nov.

Submitted by Chuvochina, Maria

## Phylum *Hadarchaeota*

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### Etymology

[Had.ar.chae.o'ta] N.L. neut. n. *Hadarchaeum*, type genus of the phylum; *-ota*, ending to denote a phylum; N.L. neut. pl. n. *Hadarchaeota*, the Hadarchaeum phylum

### Nomenclatural type

Genus *Hadarchaeum*

### Description

The phylum constitutes a monophyletic lineage as described and defined in Rinke *et al.* (2021). The phylum contains the class *Hadarchaeia*.

### Classification

*Archaea* » *Hadarchaeota*

### References

Proposed: Rinke et al., 2021

### Registry URL

<https://seqco.de/i:31914>

## Class *Hadarchaeia*

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### Etymology

[Had.ar.chae'i.a] N.L. neut. n. *Hadarchaeum*, type genus of the class; *-ia*, ending to denote a class; N.L. neut. pl. n. *Hadarchaeia*, the Hadarchaeum class

### Nomenclatural type

Genus *Hadarchaeum*

### Description

The class constitutes a monophyletic lineage as described and defined in Rinke *et al.* (2021). The class contains the order *Hadarchaeales*.

### Classification

*Archaea* » *Hadarchaeota* » *Hadarchaeia*

### References

Proposed: Rinke et al., 2021

### Registry URL

<https://seqco.de/i:31428>

## Class *Hydrothermarchaeia*

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### Etymology

[Hy.dro.therm.ar.chae'i.a] N.L. neut. n. *Hydrothermarchaeum*, type genus of the class; *-ia*, ending to denote a class; N.L. neut. pl. n. *Hydrothermarchaeia*, the Hydrothermarchaeum class

**Nomenclatural type**

Genus *Hydrothermarchaeum*

**Description**

The class constitutes a monophyletic lineage as described and defined in Rinke *et al.* (2021). The class contains the order *Hydrothermarchaeales*.

**Classification**

*Archaea* » “Hydrothermarchaeota” » *Hydrothermarchaeia*

**References**

Proposed: Rinke et al., 2021

**Registry URL**

<https://seqco.de/i:31912>

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**Order *Hadarchaeales***

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**Etymology**

[Had.ar.chae.a'les] N.L. neut. n. *Hadarchaeum*, type genus of the order; *-ales*, ending to denote an order; N.L. fem. pl. n. *Hadarchaeales*, the Hadarchaeum order

**Nomenclatural type**

Genus *Hadarchaeum*

**Description**

The order constitutes a monophyletic lineage as described and defined in Rinke *et al.* (2021). The order contains the family *Hadarchaeaceae*.

**Classification**

*Archaea* » *Hadarchaeota* » *Hadarchaeia* » *Hadarchaeales*

**References**

Proposed: Rinke et al., 2021

**Registry URL**

<https://seqco.de/i:31427>

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**Order *Hydrothermarchaeales***

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**Etymology**

[Hy.dro.therm.ar.chae.a'les] N.L. neut. n. *Hydrothermarchaeum*, type genus of the order; *-ales*, ending to denote an order; N.L. fem. pl. n. *Hydrothermarchaeales*, the Hydrothermarchaeum order

**Nomenclatural type**

Genus *Hydrothermarchaeum*

**Description**

The order constitutes a monophyletic lineage as described and defined in Rinke *et al.* (2021). The order contains the family *Hydrothermarchaeaceae*.

**Classification**

*Archaea* » “Hydrothermarchaeota” » *Hydrothermarchaeia* » *Hydrothermarchaeales*

**References**

Proposed: Rinke et al., 2021

**Registry URL**

<https://seqco.de/i:31910>

## Family *Hadarchaeaceae*

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### Etymology

[Had.ar.chae.a.ce'ae] N.L. neut. n. *Hadarchaeum*, type genus of the family; *-aceae*, ending to denote a family; N.L. fem. pl. n. *Hadarchaeaceae*, the Hadarchaeum family

### Nomenclatural type

Genus *Hadarchaeum*

### Description

The family constitutes a monophyletic lineage as described and defined in Rinke *et al.* (2021). The family contains the genus *Hadarchaeum*.

### Classification

*Archaea* » *Hadarchaeota* » *Hadarchaeia* » *Hadarchaeales* » *Hadarchaeaceae*

### References

Proposed: Rinke et al., 2021

### Registry URL

<https://seqco.de/i:31425>

## Family *Hydrothermarchaeaceae*

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### Etymology

[Hy.dro.therm.ar.chae.a.ce'ae] N.L. neut. n. *Hydrothermarchaeum*, type genus of the family; *-aceae*, ending to denote a family; N.L. fem. pl. n. *Hydrothermarchaeaceae*, the Hydrothermarchaeum family

### Nomenclatural type

Genus *Hydrothermarchaeum*

### Description

The family constitutes a monophyletic lineage as described and defined in Rinke *et al.* (2021). The family contains the genus *Hydrothermarchaeum*.

### Classification

*Archaea* » "Hydrothermarchaeota" » *Hydrothermarchaeia* » *Hydrothermarchaeales* » *Hydrothermarchaeaceae*

### References

Proposed: Rinke et al., 2021

### Registry URL

<https://seqco.de/i:31422>

## References

1. Rinke et al. (2021). A standardized archaeal taxonomy for the Genome Taxonomy Database. *Nature Microbiology*. [DOI:10.1038/s41564-021-00918-8](https://doi.org/10.1038/s41564-021-00918-8)

## 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:7ewkque5](https://seqco.de/r:7ewkque5) submitted by **Chuvochina, Maria** and including 7 new names has been successfully validated.

**Date of Priority:** 2023-12-06 12:25 UTC

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