

## Species *Hydrothermarchaeum profundī*<sup>Ts</sup>

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### Etymology

[pro.fun'di] L. gen. n. *profundi*, of/from the depth of the sea

### Nomenclatural type

[NCBI Assembly: GCA\\_002011125.1](#)<sup>Ts</sup>

### Description

The organism was formerly identified as JdFR-18 in the hydrothermal fluid from Juan de Fuca Ridge by Jungbluth et al. (2017) *Sci. Data* 4, 170037. doi: 10.1038/sdata.2017.37. An annotation of the genome is provided in the same original study. Metabolic capabilities inferred from the genome reveal a thermophilic carboxydrotroph capable of chemotaxis and motility. The organism appears to be capable of anaerobic respiration with sulfate serving as a terminal electron acceptor.

### Classification

*Archaea* » “Hydrothermarchaeota” » *Hydrothermarchaeia* » *Hydrothermarchaeales* » *Hydrothermarchaeaceae* » *Hydrothermarchaeum* » *Hydrothermarchaeum profundī*<sup>Ts</sup>

### References

Effective publication: Chuvochina et al., 2019 [1]

### Registry URL

<https://seqco.de/i:31421>

## References

1. Chuvochina et al. (2019). The importance of designating type material for uncultured taxa. *Systematic and Applied Microbiology*. DOI:10.1016/j.syapm.2018.07.003