

Species *Pyrococcus chitinophagus*

Etymology

[chi.ti.no.pha'gus] **Gr. masc. n.** *chiton*, sheath; **Gr. masc. n.** *phagos*, degrader; *chitinophagus*

Nomenclatural type

[Genome sc|0005543](#) ^{Is}

Reference Strain

[Strain sc|0041572](#): [DSM 10152](#)

Description

P. chitonophagus was originally isolated from a hydrothermal vent site and it has been described to effectively degrade chitin debris, and therefore is considered to play a major role in the sea water ecology and metabolic activity of microbial consortia within hot sea water ecosystems.

Classification

Archaea » *Methanobacteriota* » *Thermococci* » *Thermococcales* » *Thermococcaceae* » *Pyrococcus* » "*Pyrococcus chitinophagus*"

References

Original (not valid) publication: Huber et al., 1995 [1]

Corrigendum: Papadimitriou et al., 2016 [2] (from "*Thermococcus chitinophagus*")

Assigned taxonomically: Papadimitriou et al., 2016 [2]

Registry URL

<https://seqco.de/i:55592>

References

1. Huber et al. (1995). *Thermococcus chitonophagus* sp. nov., a novel, chitin-degrading, hyperthermophilic archaeum from a deep-sea hydrothermal vent environment. *Archives of Microbiology*. DOI: [10.1007/bf02529959](https://doi.org/10.1007/bf02529959)
2. Papadimitriou et al. (2016). Analysis of the complete genome sequence of the archaeon *Pyrococcus chitonophagus* DSM 10152 (formerly *Thermococcus chitonophagus*). *Extremophiles*. DOI: [10.1007/s00792-016-0826-x](https://doi.org/10.1007/s00792-016-0826-x)