

Pyrobaculum yellowstonense sp. nov.

Submitted by Jay, Zackary

Species *Pyrobaculum yellowstonense*

Etymology

[ye.llo.w.sto.nen'se] **N.L. neut. adj.** *yellowstonense*, referring to Yellowstone National Park

Nomenclatural type

[NCBI Assembly: GCA_001189275.1](#) ^{Ts}

Description

Isolate strain WP30 is a chemoorganoheterotroph that requires elemental sulfur and/or arsenate as an electron acceptor.

Classification

Archaea » *Nitrososphaerota* » *Conexivisphaeria* » *Conexivisphaerales* » *Conexivisphaeraceae* » *Pyrobaculum* » *Pyrobaculum yellowstonense*

References

Effective publication: Jay et al., 2015 [1]
Original (not valid) publication: Macur et al., 2013 [2]

Registry URL

<https://seqco.de/i:55876>

References

1. Jay et al. (2015). *Pyrobaculum yellowstonensis* Strain WP30 Respires on Elemental Sulfur and/or Arsenate in Circumneutral Sulfidic Geothermal Sediments of Yellowstone National Park. *Applied and Environmental Microbiology*. DOI:10.1128/aem.01095-15
2. Macur et al. (2013). Microbial community structure and sulfur biogeochemistry in mildly-acidic sulfidic geothermal springs in Yellowstone National Park. *Geobiology*. DOI:10.1111/gbi.12015

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:ve2tvggd** submitted by **Jay, Zackary** and including 1 new name has been successfully validated.

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