

Species *Pyrobaculum yellowstonense*

Etymology

[ye.lloo.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](https://doi.org/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](https://doi.org/10.1111/gbi.12015)