

Species *Pantoea borealis*

Etymology

[bo.re.a'lis] L. fem. adj. *borealis*, pertaining to the North, boreal

Nomenclatural type

[NCBI Assembly: GCA_002454735.1](#)^{Ts}

Description

At least four genomes are available for this species. One genome is of the strain Russ isolated from an indoor trash can in Stillwater, Oklahoma, USA. The other three genomes are MAGs derived from environmental samples of metallic or plastic surfaces on the New York City subway. Pairwise ANI among the 4 genomes is over 99.25% revealing that they belong to a single clonal lineage. The *P. borealis* clade shares an most recent common ancestor with *P. eucrina*, and the ANI between genomes of the *P. eucrina* and this species is approximately 93%. One publication on a representative genome of this species cluster is available and discusses its potential for being an opportunistic human pathogen (Moghadam et al. 2016), however, evidence for pathogenicity isn't available. The nomenclatural type for the species is the MAG UBA6694^{Ts}, available under the GenBank assembly accession number GCA_002454735.1.

Classification

Bacteria » *Pseudomonadota* » *Gammaproteobacteria* » *Enterobacterales* » *Erwiniaceae* » *Pantoea* » *Pantoea borealis*

References

Effective publication: Crosby et al., 2023 [1]

Registry URL

<https://seqco.de/i:31361>

References

1. Crosby et al. (2023). Genomic delineation and description of species and within-species lineages in the genus *Pantoea*. *Frontiers in Microbiology*. DOI:10.3389/fmicb.2023.1254999