Draft Genome Sequence of *Methylomicrobium buryatense* Strain 5G, a Haloalkaline-Tolerant Methanotrophic Bacterium


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**Robust growth of the gammaproteobacterium *Methylomicrobium buryatense* strain 5G on methane makes it an attractive system for CH₄-based biocatalysis. Here we present a draft genome sequence of the strain that will provide a valuable framework for metabolic engineering of the core pathways for the production of valuable chemicals from methane.**

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dioxylamine oxidoreductase is present (17, 18). The ammonium assimilation inventory includes genes for glutamate and alanine dehydrogenases, glutamate synthase/glutamine synthetase, serine-pyruvate/serine-glyoxylate, and aspartate aminotransferases (19). Genes essential for ectoine biosynthesis were identified.

**Nucleotide sequence accession numbers.** The *Methylomicrobium buryatense* 5G genome sequence was deposited in GenBank/EMBL under the accession numbers AOTL01000000 and KB455575 and KB455576.

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