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The complete genome sequence of *Methylomicrobium album* strain BG8, a methane-oxidizing gammaproteobacterium isolated from freshwater, is reported. Aside from a conserved inventory of genes for growth on single-carbon compounds, substrates or for N fixation. BG8 carries a range of gene inventories for additional carbon and nitrogen transformations but no genes for growth on multicarbon substrates or for N fixation.
homologues in other methanotrophs (12, 13). Analysis of the M. album BG8 genome sequence enables further understanding of single-carbon metabolism and the environmental adaptation strategies of methanotrophs.

Nucleotide sequence accession numbers. The genome sequences of the chromosome and plasmid of M. album BG8 have been deposited in GenBank under accession no. CM001475 and CM001476, respectively.

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