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Draft Genome Sequences of Facultative Methylotrophs, *Gemmobacter* sp. Strain LW1 and *Mesorhizobium* sp. Strain 1M-11, Isolated from Movile Cave, Romania

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Facultative methylotrophs belonging to the genera *Gemmobacter* and *Mesorhizobium* were isolated from microbial mat and cave water samples obtained from the Movile Cave ecosystem. Both bacteria can utilize methylated amines as their sole carbon and nitrogen source. Here, we report the draft genome sequences of *Gemmobacter* sp. strain LW1 and *Mesorhizobium* sp. strain IM1.

 Movile Cave (Mangalia, Romania) is a hypogenic cave ecosystem that has been isolated from the surface for 5.5 million years and is devoid of any input of organic carbon from above (1). Invertebrates present in the cave are adapted to life in the dark and are supported by chemolithoautotrophic primary producers that derive energy from the oxidation of inorganic compounds (hydrogen sulfide, hydrogen, and methane) (2, 3). Degradation of the microbial mats floating on the surface of the cave water probably produces large amounts of methylated amines (MA), as indicated by the apparent abundance and activity of MA degraders (4, 5). Here, we report the draft genome sequences of two facultative methylotrophs, *Gemmobacter* sp. strain LW1 and *Mesorhizobium* sp. strain 1M-11, isolated from Movile Cave, Romania. Genome sequences of these isolates are deposited in GenBank under the accession numbers LJSC01000000 and LJSD00000000. The version described in this paper is version LJSC01000000 and LJSD01000000.

Nucleotide sequences accession numbers. This whole-genome shotgun project has been deposited at GenBank under the accession numbers LJSC00000000 and LJSD00000000. The versions described in this paper are versions LJSC01000000 and LJSD01000000.

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REFERENCES


