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**Draft Genome Sequence of *Myxococcus xanthus* Wild-Type Strain DZ2, a Model Organism for Predation and Development**

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M. *xanthus* is a member of the *Myxococcales* order within the *Deltaproteobacteria* subdivision. The myxobacteria reside in soil, have relatively large genomes, and display complex life cycles. Here, we report the whole-genome shotgun sequence of strain DZ2, which includes unique genes not found previously in strain DK1622.

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**References**

1. Willett JW, Kirby JR. 2011. CrdS and CrdA Comprise a two-component system that is cooperatively regulated by the Che3 Chemosensory system.


