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

Susanne Müller,a Jonathan W. Willett,b Sarah M. Bahr,a Cynthia L. Darnell,a Katherine R. Hummels,a Carolyn K. Dong,c Hera C. Vlamakis,a John R. Kirbya

Department of Microbiology, University of Iowa, Iowa City, Iowa, USA; University of Chicago, Department of Biochemistry and Molecular Biology, Chicago, Illinois, USA; U.S. Department of State, Bureau of Economic and Business Affairs, Office of Agriculture, Biotechnology, and Textile Trade Affairs, Washington, DC, USA; Harvard Medical School, Department of Microbiology and Immunobiology, Boston, Massachusetts, USA.

S.M., J.W.W., and S.M.B. contributed equally to this work.

*Myxococcus 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.


