Draft Genome Sequence of the *Paenibacillus polymyxa* Type Strain (ATCC 842T), a Plant Growth-Promoting Bacterium

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Received 3 June 2011/Accepted 29 June 2011

*Paenibacillus polymyxa* is an endospore-forming Gram-positive soil bacterium that is well-known for its ability to promote plant growth. Here we report the draft genome sequence of *P. polymyxa* ATCC 842T, the type strain of the species *P. polymyxa*, and the family *Paenibaccilaceae*. The *P. polymyxa* genome contains a repertoire of biosynthetic genes for antibiotics and hydrolytic enzymes that account for its beneficial effects in the rhizosphere to the host plants it associates with.

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† Published ahead of print on 8 July 2011.