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**Complete genome sequence of *Pedobacter cryoconitis* PAMC 27485, a CRISPR-Cas system-containing psychrophile isolated from Antarctica**

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Abstract

*Pedobacter cryoconitis* PAMC 27485, an aerobic, Gram-negative, facultatively psychrophilic bacterium, was isolated from Antarctic soil. Here we report the complete genome of *P. cryoconitis* PAMC 27485, which contains a type II CRISPR-Cas system and genes encoding useful enzymes (e.g. proteases). The genome sequence of *P. cryoconitis* PAMC 27485 could provide insights into its adaptive immune system against foreign genetic elements and biotechnological potential.

Keywords: Complete genome; *Pedobacter cryoconitis*; Psychrophile; CRISPR-Cas9; Proteases

Members of the genus *Pedobacter* have been frequently isolated from various terrestrial and aquatic environments, including soil, freshwater, drinking water, compost,

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