

Genome sequences of two cold-adapted *Cryobacterium* spp. SO1 and SO2 from Fildes Peninsula, Antarctica

ABSTRACT

Psychrophilic and psychrotrophic bacteria play important roles in nutrient cycling in cold environments. These bacteria are suitable as model organisms for studying cold-adaptation, and sources of cold-active enzymes and metabolites for industrial applications. Here, we report the genome sequences of two *Cryobacterium* sp. strains SO1 and SO2. Genes coding major proteins related to cold- or thermal-stress adaptations and those with industrial applications found in their genomes are described.

Keyword: Fluctuation; Genomes; King George Island; 16S Rdna; Temperature

