

S2: Phenotypic and some Biochemical characterization of *Bacillus* sp. DN

Test	Phenotypic and Biochemical Characterization
Gram stain	+ve
Morphology	Rod, spore-forming
Colony color	Beige
Oxygen requirement	Facultative anaerobe
Catalase	+ve
Cell wall extensions	Fimbriae
Growth on 10% NaCl	+ve
Growth on pH 5.7	+ve
Growth on pH 7	+ve
Growth at 30°C	+ve
Growth at 37°C	+ve
Biofilm formation (Congo red agar)	+ve
Nitrate reduction	+ve