Draft Genome Sequence of *Bacillus* sp. Strain NSP2.1, a Nonhalophilic Bacterium Isolated from the Salt Marsh of the Great Rann of Kutch, India

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The 5.52-Mbp draft genome sequence of *Bacillus* sp. strain NSP2.1, a nonhalophilic bacterium isolated from the salt marsh of the Great Rann of Kutch, India, is reported here. An analysis of the genome of this organism will facilitate the understanding of its survival in the salt marsh.

The genomes of a number of species of *Bacillus* inhabiting the Little Rann and Great Rann of Kutch, India, have been sequenced recently with the aim of understanding their mechanism(s) of osmotolerance (1–3). *Bacillus* sp. strain NSP2.1 (16S rRNA GenBank accession no. JF802192), a nonhalophilic and endospore-forming bacterium isolated from the salt marsh of the Great Rann of Kutch, India, grows optimally without NaCl in the growth medium (NaCl range, 0 to 4.5%), at 37°C, and a pH 7.5. The genome of *Bacillus* sp. NSP2.1 was sequenced recently with the aim of understanding its survival mechanism(s) in the salt marsh.

The whole genome of NSP2.1 was sequenced by both shotgun and mate-paired library sequencing using the Roche 454 genome sequencer (GS FLX) at Macrogen Inc., South Korea, through Sequencher Tech Pvt. Ltd., Ahmedabad, India. In shotgun sequencing, 769,707 reads of 347,675,293 bases were obtained (average read length, 451 bp). The sequencing of mate-paired libraries generated 140,804 reads of 63,691,257 bp (average read length, 452 bp) and 140,783 reads of 64,402,285 bp (average read length, 457 bp).

We used the GS de novo assembler version 2.6 (4) for assembling the reads, with a coverage of 85-fold. The genome assembly of *Bacillus* sp. NSP2.1 (G+C content of 53.99%) contains 25 scaffolds and 107 contigs of 5,521,528 bp and 5,426,897 bp, respectively, with average lengths of 220,861 bp and 50,710 bp, respectively. An N50 scaffold length of 376,716 bp (smallest, 1,808 bp; largest, 1,854,053 bp), and an N50 contig length of 90,389 bp (smallest, 775 bp; largest, 380,501 bp) were obtained. All assembly data were deposited in the DDBJ/EMBL/GenBank nucleotide sequence database.

The draft genome of *Bacillus* sp. NSP2.1 was annotated by the RAST server (5), Glimmer 3 (6, 7), GeneMark (8, 9), the KEGG database (10), tRNAscan-SE (11), RNAmmer (12), and Signal P4.1 (13) for predicting subsystems, coding sequences (CDS), tRNA and rRNA genes, signal peptides, etc.

Using the different softwares, we predicted 5,425 coding sequences (CDSs), with 4,655,526 bp in the CDSs. There are 126 RNA-encoding genes (124 tRNA and 2 rRNA genes), 420 subsystems, and 329 signal peptides. Among the CDSs, 3,459 are not in the subsystem of the accession no. AVBJ00000000. The version described in this paper is version AVBJ01000000.

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