



## Draft Genome Sequence of the Spore-Forming Probiotic Strain *Bacillus coagulans* Unique IS-2

Upadrasta A, Pitta S, Madempudi RS. Draft genome sequence of the spore-forming probiotic strain *Bacillus coagulans* Unique IS-2. Genome announcements. 2016 Apr 28;4(2).

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### Summary:

The draft genomic sequence of *B. coagulans* Unique IS-2 is reported in order to unravel the genetic blueprint that confers its probiotic traits and safe use.

Whole-genome sequencing was performed using the IlluminaMiSeq platform at the Institute of Microbial Technology (IMTECH), Chandigarh, India. The Illumina sequencing libraries were prepared using the Nextera XT sample preparation kit with dual indexing adaptors. A total of 971,128,104 paired-end reads were obtained, providing 282-fold coverage depth of the genome. Among them, 43,446,692 Illumina reads were *de novo* assembled using CLC Genomics Workbench 7.5. The assembled genome sequence was annotated by the RAST annotation pipeline Webserver and by NCBI Prokaryotic Genome Annotation Pipeline (PGAP) version 2.9. rRNAs and tRNAs were annotated using RNAmmer and tRNAscan-SE, respectively. The genome analysis was performed using the Artemis genome viewer.

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