

# Draft Genome Sequence of *Aneurinibacillus migulanus* NCTC 7096

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***Aneurinibacillus migulanus* has biocontrol activities against fungal, fungus-like, and bacterial plant pathogens with different levels of efficacy depending on the target pathogens. Here, we report the high-quality draft genome sequence of *A. migulanus* NCTC 7096.**

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*Aneurinibacillus migulanus* is a Gram-positive, rod-shaped, motile, spore-forming bacterium present in soil environments. An important feature is the production of the secondary metabolite gramicidin S, which inhibits the growth of many microorganisms (1, 2). Because of the ability of *A. migulanus* to produce antimicrobial compounds, the organism is considered to be a potential biocontrol agent against plant pathogens (1). Many *Bacillus* species have been tested as biological control agents against plant pathogens as they are less damaging to the environment than chemical alternatives (3–5). Moreover, *Bacillus* species produce endospores in extreme environmental conditions, an advantage in the long-term storage of *Bacillus*-based preparations (6). Biological control agents are antagonistic to plant pathogens through various possible mechanisms, including antibiosis, competition for nutrients on infection sites on the plant surface, hyperparasitism, and by induction of host resistance (2, 3). *A. migulanus* strain NCTC 7096 produces gramicidin S (1).

The genome of *A. migulanus* NCTC 7096 was sequenced using the BG7 bacterial genome annotation system specifically designed for NGS data (Era7 Bioinformatics, Granada, Spain [7]). Approximately 14.61 million reads were obtained for assembly after low-quality reads were filtered out. The whole genome was *de novo* assembled into 89 contigs ( $N_{50}$ , 157,850 bp) and rearranged into 200 scaffolds.

The draft genome of *A. migulanus* strain NCTC 7096 comprised 6,270,550 bases with the largest contig of 582,874 bp and 43.16% G+C content. The genome of NCTC 7096 contains sequences encoding 5,130 proteins, of which 1,199 belong to uncharacterized proteins.

**Nucleotide sequence accession number.** The draft genome sequence of *A. migulanus* NCTC 7096 has been deposited at

GenBank under accession no. [JYBO000000000](https://www.ncbi.nlm.nih.gov/nuccore/JYBO000000000). This paper describes the first version of the genome.

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