Acetone butanol ethanol (ABE) fermentation by *Clostridium acetobutylicum* is one of the oldest industrial fermentations ever known, and it was historically ranked second to ethanol fermentation by yeast in terms of scale of production. *C. acetobutylicum* is a low-GC-content, Gram-positive, spore-forming obligate anaerobe (2). Recent “-omics” studies, including genomics (4), transcriptomics (12, 13), proteomics (9, 10), and metabolomics (1), have greatly improved our understanding of the physiology of this species. Here we report the complete genome sequence of *Clostridium acetobutylicum* DSM 1731, which was obtained from the German Collection of Microorganisms and Cell Cultures (DSMZ, Braunschweig, Germany).

The genome was sequenced at the Department of Human Genetics at the University of California, Los Angeles, utilizing Solexa technology according to Illumina’s recommendations. A total of 6,043,147 reads, comprising 217,553,292 bases, were obtained, providing 52× coverage. Assembly was performed by AMOScmp (5) and Velvet (14), using comparative genome assembly and de novo assembly. The gaps were filled by sequencing PCR fragments using ABI 3730. The complete genome sequence of *Clostridium acetobutylicum* DSM 1731, which was obtained from the German Collection of Microorganisms and Cell Cultures (DSMZ, Braunschweig, Germany), has been deposited in GenBank under the accession numbers CP002660 to CP002662.

### Complete Genome Sequence of *Clostridium acetobutylicum* DSM 1731, a Solvent-Producing Strain with Multireplicon Genome Architecture

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*Clostridium acetobutylicum* is an important microorganism for solvent production. We report the complete genome sequence of *C. acetobutylicum* DSM 1731, a genome with multireplicon architecture. Comparison with the sequenced type strain *C. acetobutylicum* ATCC 824, the genome of strain DSM1731 harbors a 1.7-kb insertion and a novel 11.1-kb plasmid, which might have been acquired during evolution.

Nucleotide sequence accession numbers. The complete genome sequence of *Clostridium acetobutylicum* DSM 1731 has been deposited in GenBank under the accession numbers CP002660 to CP002662.

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