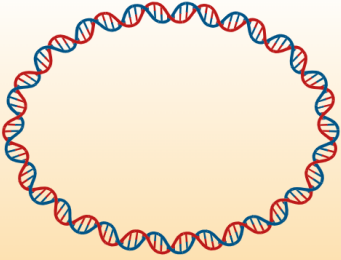


Genome Announcement: *Lactobacillus delbrueckii*

Accession#SAMEA120513498 (NCBI)
#INS0022929 (IBDC)

1. Genome Sequencing



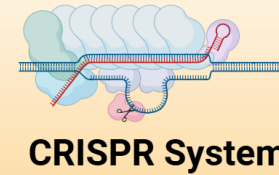
BRIC-THSTI
presenting the whole
genome sequence
of *Lactobacillus*
delbrueckii from the
Indian cow milk.

2. Analysis



The genomic
analysis of
Lactobacillus
delbrueckii explores
the role of
antimicrobial
peptides in health
and their adaptability
to adverse
environmental
conditions.

3. Insights



The strain has the
genetic potential to
produce specialized
compounds like
Isoprenoid
Precursors and
RiPPs, including the
defence mechanism
with 3 CRISPR
arrays

4. Translation



The genomic
explores its
application in Food
Safety/Probiotic
applications for the
dairy industry, with
robust immunity and
potent secondary
and bioactive
metabolic compounds

***Lactobacillus delbrueckii*: Nature's Safest Defender Producing Microcins and packing dual-action CRISPR**

Genomics of *Lactobacillus delbrueckii*

