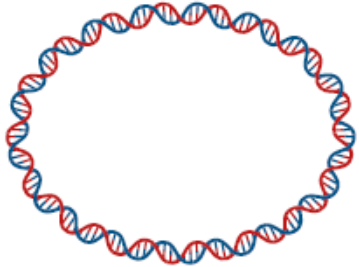


Genome Announcement: *Lactobacillus crispatus* 5.1

(Acc#JAGSXW000000000.1)

1. Genome Sequencing



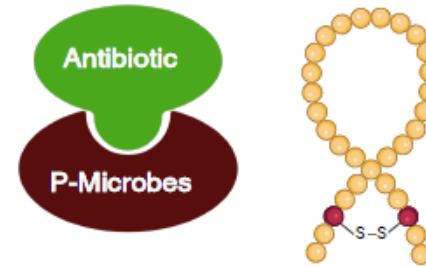
We present the Whole genome sequences of *Lactobacillus crispatus* 5.1 isolated from the reproductive tract of a healthy Indian woman

2. Analysis



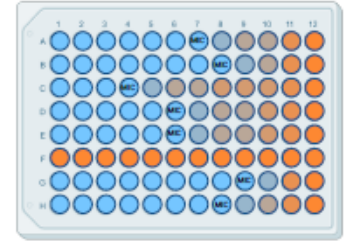
This genomic analysis provides insights into the organism's biotherapeutic potency, pathogen resistance, and anti-inflammation functions.

3. Insights



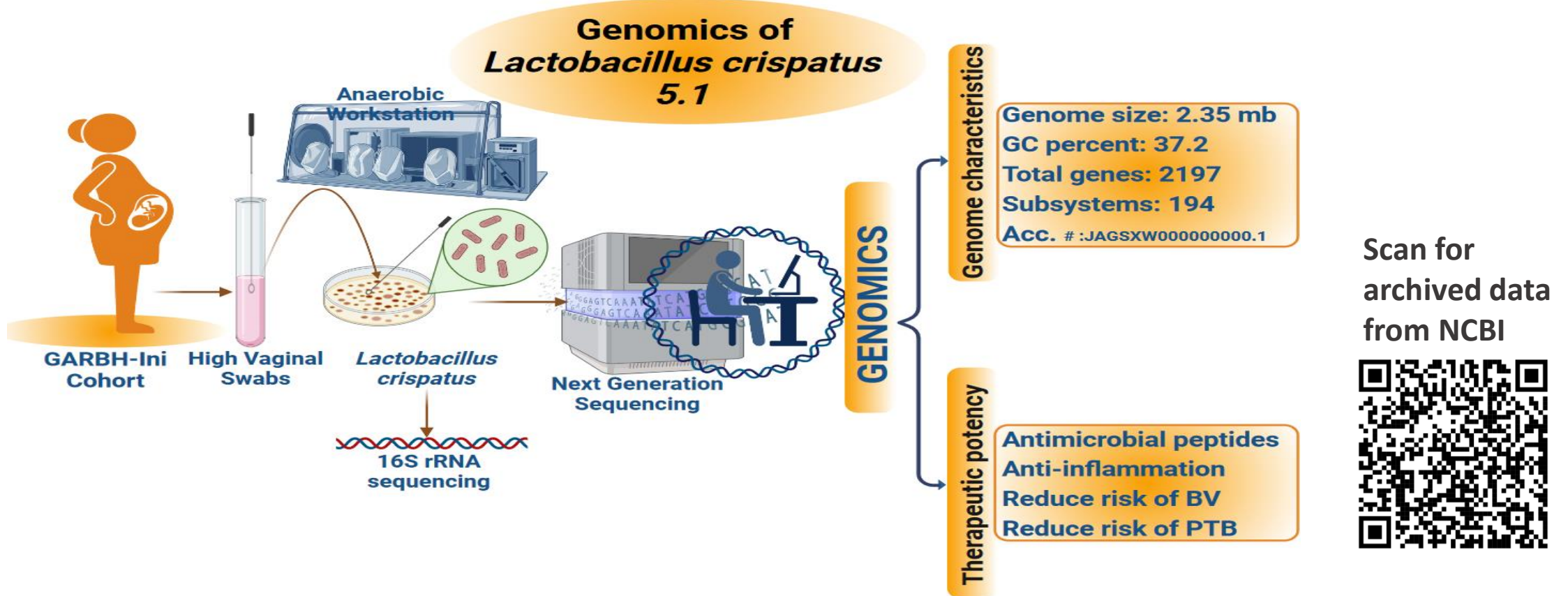
L. crispatus improves reproductive health, reduces the risk of preterm birth, and may decrease fat accumulation in the body.

4. Translation



Understanding these genomic features is essential for developing effective nutraceuticals and live biotherapeutics with *L. crispatus*.

***Lactobacillus crispatus*: A Promising Biotherapeutic**



Quality of Genome Assembly and Annotation: Results from indigenously developed **BHARAT** analysis pipeline: (Bacterial Hybrid genome Assembly and Rapid Annotation Toolset)

Lactobacillus crispatus 5.1

Whole genome accession number: [JAGSXW000000000.1](https://ncbi.nlm.nih.gov/assembly/JAGSXW000000000.1)

Table 1. Assembly Details

Contigs	34
GC Content	36.71
Plasmids	0
Contig L50	6
Genome Length	2,191,964 bp

Table 2. Annotated Genome Features

CDS	2,243
tRNA	39
Repeat Regions	35
rRNA	3