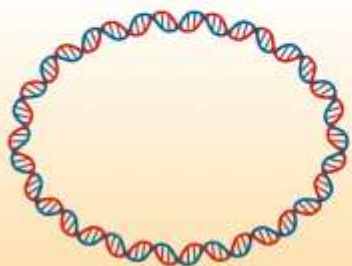


Genome Announcement: *Lactobacillus jensenii*

Accession#SRR28592994 (NCBI)
#INS0004612 (IBDC)

1. Genome Sequencing



BRIC-THSTI
presenting the whole
genome sequence
of ***Lactobacillus
jensenii*** from the
reproductive tract of
Indian women.

2. Analysis



The genomic
analysis highlights ***L.
jensenii***'s capacity
for intermicrobial
competition,
evidenced by its
roles in pathogen
inhibition, niche
adaptation, and
regulation of vaginal
health.

3. Insights



Genomic insights
reveal ***L. jensenii***'s
metabolic flexibility
via Neopullulanase,
stress resilience
through the SUF Fe-
S system, and
antimicrobial peptide
production that
protects the
reproductive tract.

4. Translation



These findings
support the
development of live
biotherapeutics
aimed at preventing
bacterial vaginosis
and reducing
preterm birth risk.

Lactobacillus jensenii: The vaginal sentinel turning host sugars into a secreted peptide
shield

Whole Genome sequence of *Lactobacillus jensenii*

