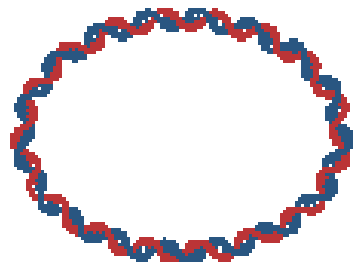


1. Genome Sequencing



BRIC-THSTI
presenting the
whole genome
sequence of
*Bifidobacterium
longum* isolated
from the
gastrointestinal tract
of a healthy Indian
adult.

2. Analysis



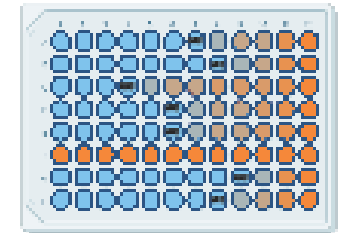
Through this genomic
analysis, we gain
valuable insights for
digesting the
oligosaccharides,
prebiotics and dietary
fibres by its broad
array of carbohydrate
metabolizing
enzymes.

3. Insights



Short Chain Fatty Acids
The genome of *B.
longum* provides
valuable insights
into its metabolic
functions,
carbohydrate
utilization and
modulation of host
immune system.

4. Translation



Understanding this
genomic feature is
essential for
developing probiotic
supplements and
potential therapeutic
benefits for
gastrointestinal health
and immunity.

***Bifidobacterium longum*: A potential probiotic for gut health.**

Genomics of *Bifidobacterium longum*

