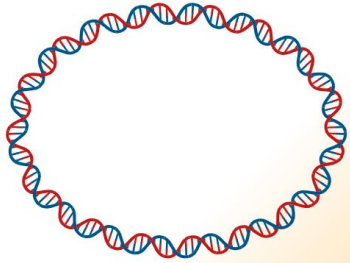


Genome Announcement: *Enterococcus avium*

Accession#ERS27068119 (ENA)
INRR023000 (IBDC)

1. Genome Sequencing



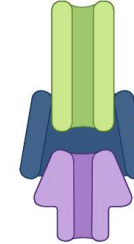
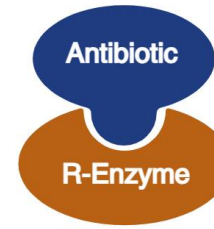
BRIC-THSTI
presenting the whole
genome sequence
of *Enterococcus*
avium isolated from
the Indian urban
wastewater.

2. Analysis



This genomic
analysis describes a
normal and
commensal gut flora
acquires antibiotic
resistance with
mobile genetic
element posing a
clinical and public
health threat.

3. Insights



Enterococcus
avium carries
multiple drug
resistance genes and
CRISPR systems for
viral defense, with
horizontal gene
transfer aiding the
spread of resistance.

4. Translation



Understanding
specific resistance
mechanisms, such
as efflux pumps and
ribosome protection,
enables targeted
strategies like novel
antibiotics and
improved wastewater
treatment

***Enterococcus avium*: From the gut to the sewer, with a stash of genes that makes resistance surer.**



जैवप्रौद्योगिकी विभाग
DEPARTMENT OF
BIOTECHNOLOGY

Genomics of *Enterococcus avium*

