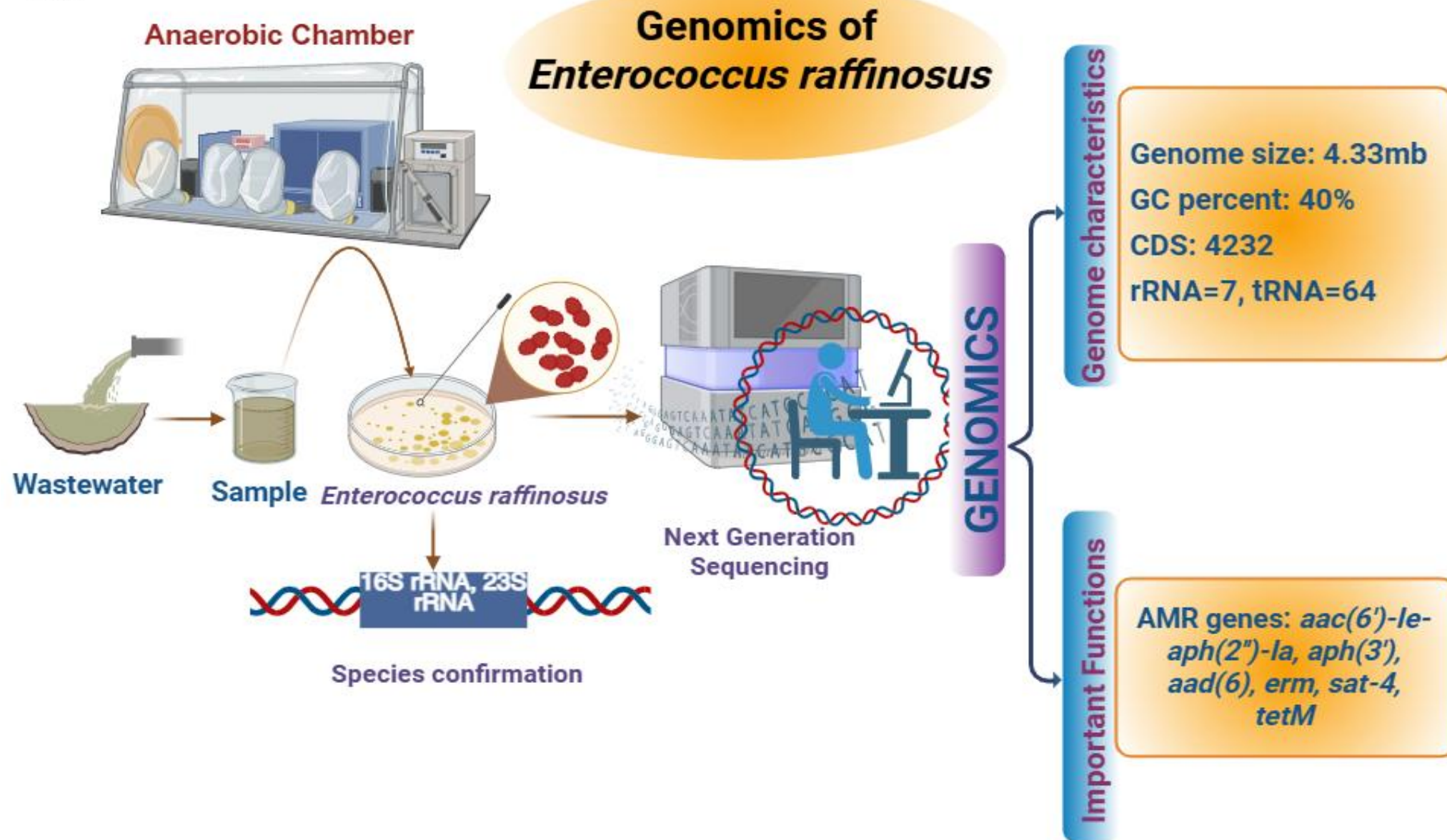




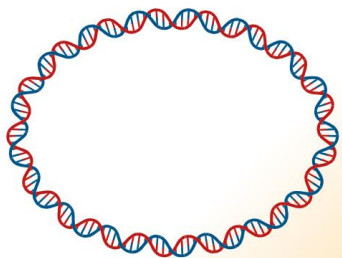
जैवप्रौद्योगिकी विभाग
DEPARTMENT OF
BIOTECHNOLOGY



Genome Announcement: *Enterococcus raffinosus*

Accession#SAMEA116288592 (NCBI)
INS0005074 (IBDC)

1. Genome Sequencing



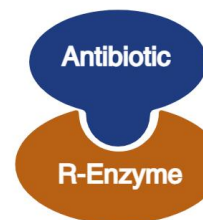
BRIC-THSTI
presenting the whole
genome sequence
of ***Enterococcus
raffinosus*** isolated
from the Indian
urban wastewater.

2. Analysis



This genomic
analysis carries high-
risk resistance
genes with mobile
genetic potential,
posing a clinical and
public health threat
requiring urgent
surveillance and
infection control
measures.

3. Insights



The insights of the
***Enterococcus
raffinosus*** showing
multi drug resistance
against 4+ antibiotic
classes located on
MGEs like plasmids/
transposons.

4. Translation



Genomic
surveillance of
***Enterococcus
raffinosus*** in
wastewater enables
tracking of antibiotic-
resistant strains
across hospital and
community
environments.

Enterococcus raffinosus: 'A Genomic Sentinel' for Antibiotic Resistance Surveillance