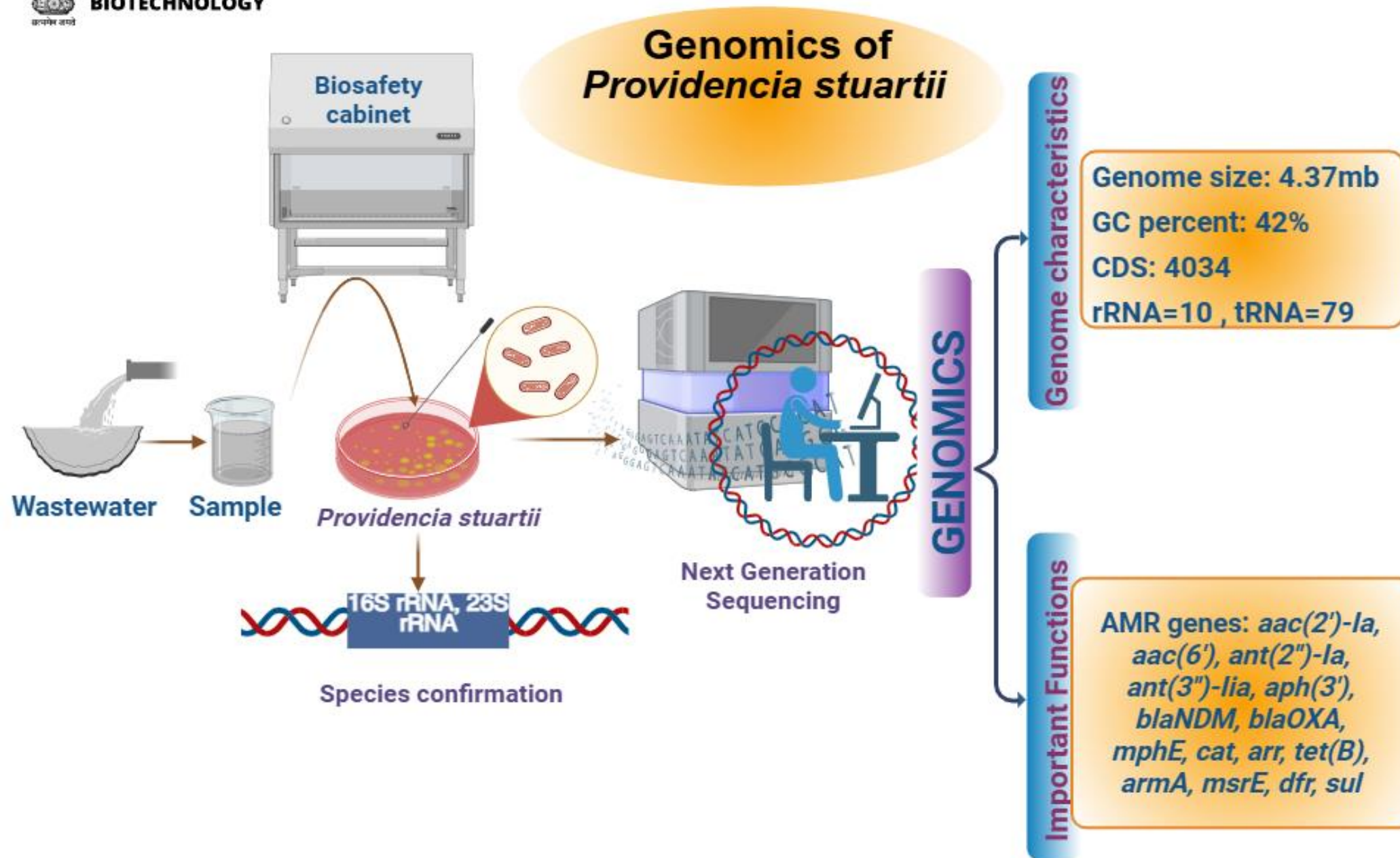




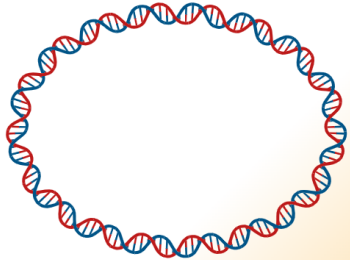
जैवप्रौद्योगिकी विभाग
DEPARTMENT OF
BIOTECHNOLOGY



Genome Announcement: *Providencia stuartii*

Accession#SAMEA116288275 (NCBI)
INS0004956 (IBDC)

1. Genome Sequencing



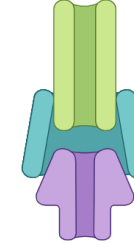
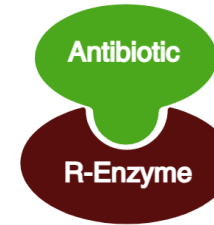
BRIC-THSTI
presenting the whole
genome sequence
of *Providencia
stuartii* isolated
from the North
Indian wastewater
source.

2. Analysis



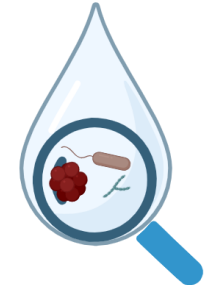
The genomic
analysis highlights
the AMR dynamics
and revealing the
presence of diverse
resistance genes
within the
bacterium
contributing to its
multi drug
resistance profile.

3. Insights



Genomic insights
explore the presence
of versatile ARGs
including the
carbapenemase
gene *blaNDM-1*,
blaOXA, *dfp* and
their association with
several MGEs.

4. Translation



Providencia stuartii
genomic feature
provide an **early
warning system for
potential outbreaks**
and inform clinical
guidelines for empiric
treatment and
infection control
measures

***Providencia stuartii*: The Growing Anti-Microbial Arsenal**