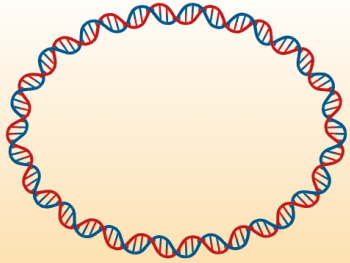


Genome Announcement: *Proteus vulgaris*

Accession#SAMEA116288359 (NCBI)
INS0005069 (IBDC)

1. Genome Sequencing



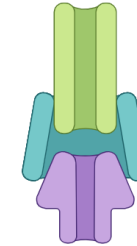
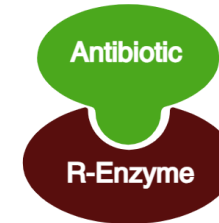
BRIC-THSTI
presenting the
complete genome
sequence of
Proteus vulgaris
isolated from North
Indian wastewater.

2. Analysis



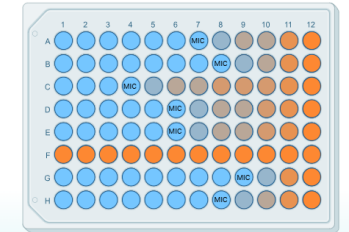
The genomic analysis
reveals a multidrug-
resistant profile
conferring resistance
to aminoglycosides, β -
lactams, rifampin,
tetracyclines,
fluoroquinolones,
trimethoprim, and
sulfonamides.

3. Insights



Proteus vulgaris
reveals a robust
arsenal of resistance
mechanism including
genes against β -
lactams,
aminoglycosides,
tetracyclines,
sulfonamides,
fluoroquinolones, and
rifampin.

4. Translation



The translational
approach enables the
development of
targeted therapies,
informs infection
control measures,
and supports rapid
diagnostic tools for
managing multidrug-
resistant infections

***Proteus vulgaris*: A resilient rebel armed with genes to outsmart antibiotics.**



जैवप्रौद्योगिकी विभाग
DEPARTMENT OF
BIOTECHNOLOGY

