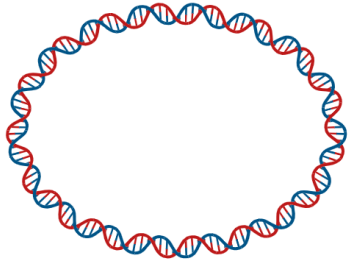


Genome Announcement: *Providencia spp.*

Accession#SAMEA116293622 (NCBI)
INS0005012 (IBDC)

1. Genome Sequencing



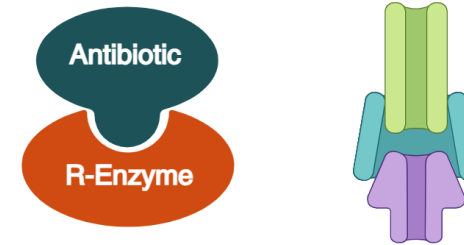
BRIC-THSTI
presenting the
complete genome
sequence of
Providencia spp.
isolated from Indian
urban wastewater.

2. Analysis



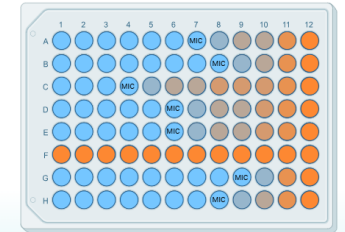
This genomic
analysis provides key
insights into the
specific genes driving
antibiotic resistance
and virulence,
conferring resistance
to aminoglycosides,
chloramphenicol, and
tetracyclines..

3. Insights



Providencia spp.
strain carries
resistance genes
against
aminoglycosides
aac(2')-Ia,
chloramphenicol
(***cat***), and
tetracyclines (***tet(B)***)
resistance genes.

4. Translation



Linking genomic data
to clinical action, this
translational
approach highlights
how resistance genes
in *Providencia spp.*
can inform targeted
antibiotic choices,
guide diagnostics,
and support infection
control strategies.

***Providencia spp.*: A resilient opportunist, quietly spreading resistance in tough environments.**



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