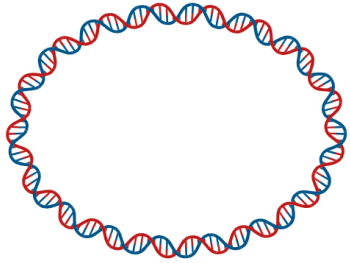


Genome Announcement: *Providencia alcalifaciens*

Accession#ERS27068110 (ENA)
#INRR022997 (IBDC)

1. Genome Sequencing



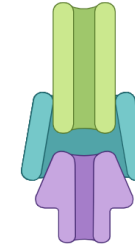
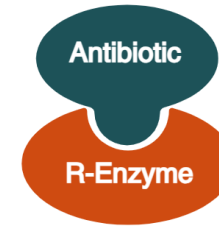
BRIC-THSTI
presenting the
complete genome
sequence of
***Providencia
alcalifaciens***
isolated from Indian
urban wastewater.

2. Analysis



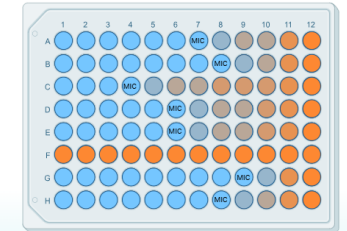
Genomic analysis
identifies
***Providencia
alcalifaciens*** as an
opportunistic
pathogen with
potential for
environmental
dissemination and
antimicrobial
resistance

3. Insights



The genome
sequence insights
the strain's capability
for multidrug
resistance, mediated
by a **CRP**-controlled
multiple efflux pumps
regulator.

4. Translation



This highlights the
importance of
effective wastewater
treatment to mitigate
the spread of
antibiotic-resistant
bacteria into the
broader environment.

Born in the muck, bred for resistance: *Providencia alcalifaciens* is a persistent problem



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DEPARTMENT OF
BIOTECHNOLOGY

