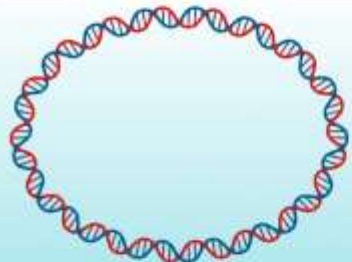


# Genome Announcement: *Citrobacter sp.*

Accession#SAMEA116293624(NCBI)

INS0005125 (IBDC)

## 1. Genome Sequencing



**BRIC-THSTI**  
presenting the whole  
genome sequence  
of *Citrobacter sp.*  
from the Indian  
sewage water  
source.

## 2. Analysis



This genomic  
analysis explore the  
prevalence of the  
bacterial species,  
alongwith the  
dynamics of ARGs  
and their  
association with  
MGEs in sewage  
sample.

## 3. Insights



Genomic insights of  
*Citrobacter sp.*  
reveals the presence  
of key ARGs like  
***bacA***, ***SED-2***, and  
efflux pump genes  
like ***emrB***, ***mdtB***  
highlighting its  
potential role in multi-  
drug resistance.

## 4. Translation



It helps in the  
surveillance of multi  
drug resistance  
dissemination to  
alarm an early  
warning system for  
AMR that will guide a  
targeted intervention.

***Citrobacter sp.*: The Carrier of Resistance**



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