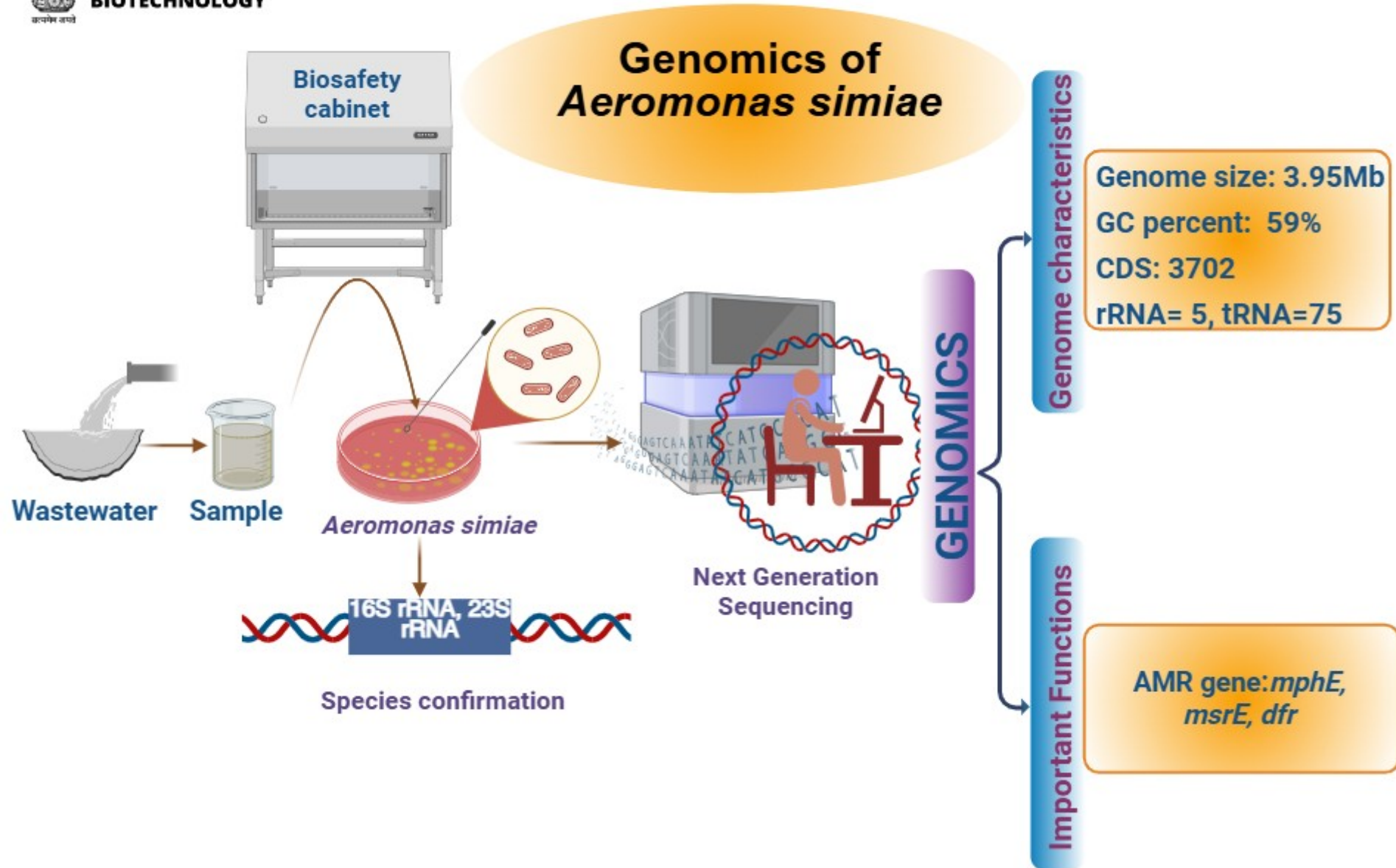




जैवप्रौद्योगिकी विभाग  
DEPARTMENT OF  
BIOTECHNOLOGY

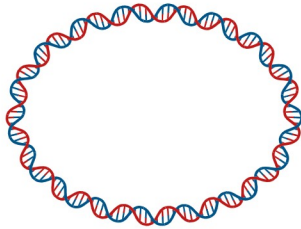


# Genome Announcement: *Aeromonas simiae*

Accession#SAMEA116290030 (NCBI)

INS0005208 (IBDC)

## 1. Genome Sequencing



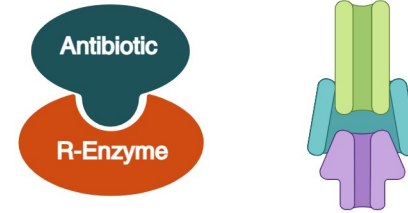
**BRIC-THSTI**  
presenting the  
complete genome  
sequence of  
***Aeromonas simiae***  
isolated from Indian  
wastewater.

## 2. Analysis



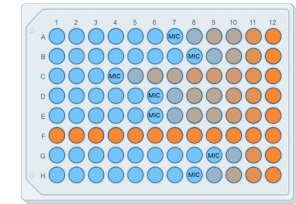
Genomic analysis  
helps to find a public  
health concern due  
to its multi-drug  
resistant genotype  
against **macrolide**  
and **trimethoprim**  
warranting a careful  
monitoring.

## 3. Insights



The genomic  
analysis of  
***Aeromonas simiae***  
reveals a high-risk  
MDR genotype,  
driven by mobile  
ARGs like ***mphE***,  
***msrE***, and ***dfr***  
facilitating the cross-  
resistance.

## 4. Translation



These genomic  
insights underscore  
the urgency of  
rational antibiotic use  
in clinics and  
aquaculture and  
monitoring the  
genomic surveillance  
to track emerging  
MDR strains.

***Aeromonas simiae*: Underscores its dual threat to human health and ecosystems**