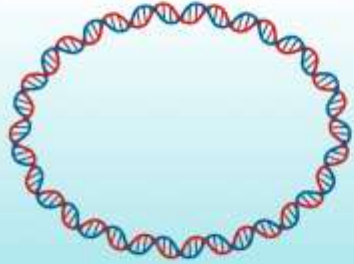


Genome Announcement: *Lysinibacillus fusiformis*

Accession#SAMEA116288355(NCBI)
#INS0005154 (IBDC)

1. Genome Sequencing



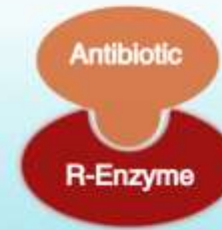
BRIC-THSTI
presenting the whole
genome sequence
of ***Lysinibacillus
fusiformis*** from the
North Indian
wastewater source.

2. Analysis



Comprehensive
genomic analysis
reflects the microbial
diversity and the
macrolide and
streptogramin
resistance genes in
wastewater
ecosystems.

3. Insights



The genomic insights
reveals the presence
of ***msrG*** gene
coding the resistance
to streptogramin and
macrolide antibiotics
by antibiotic target
protection
mechanism.

4. Translation



As a precautionary
measure against the
risk of horizontal
gene transfer to
pathogens, proper
sewage
management is
essential to prevent
environmental AMR
dissemination.

***Lysinibacillus fusiformis*: Hidden Reservoir of Macrolide Resistance**



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DEPARTMENT OF
BIOTECHNOLOGY

