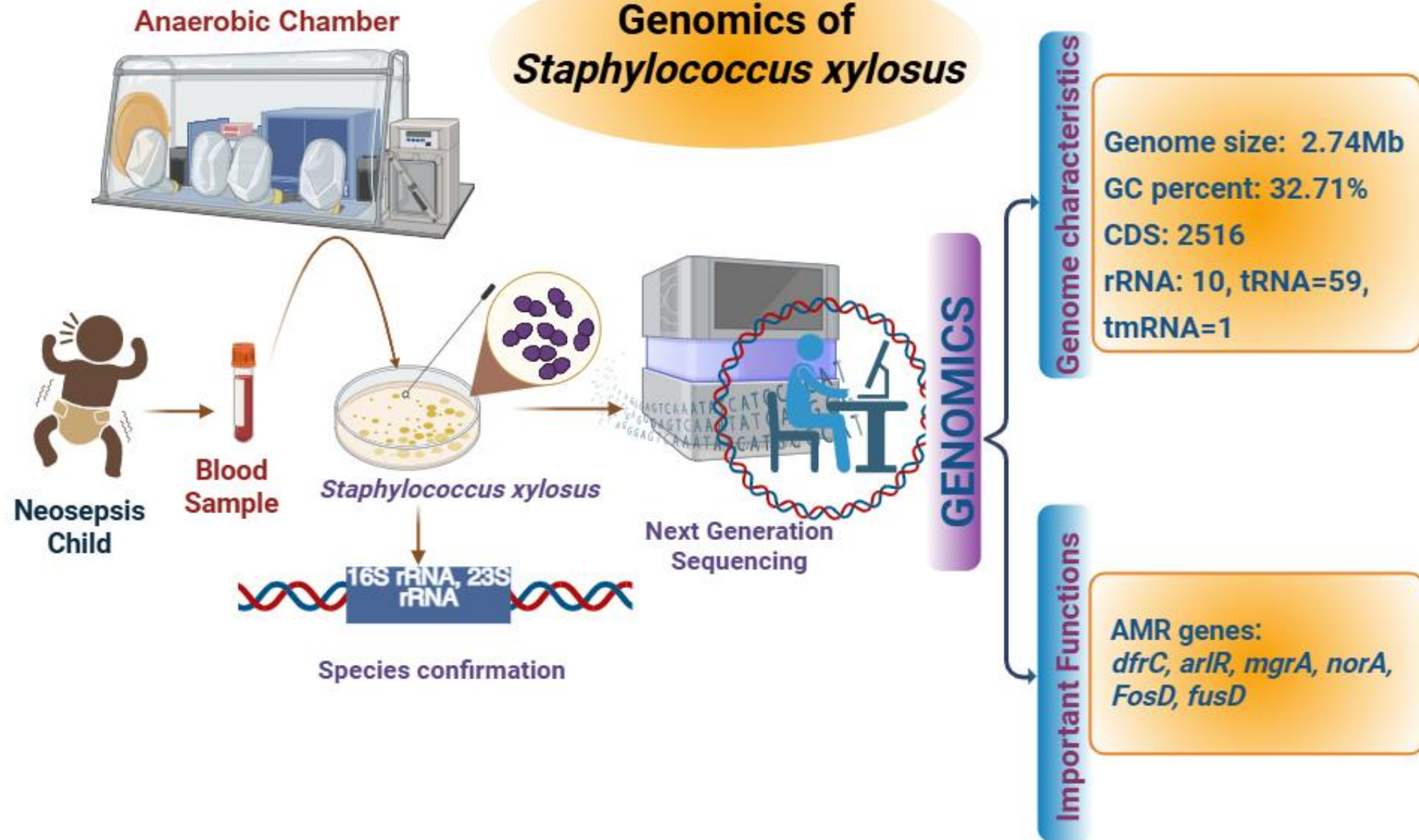




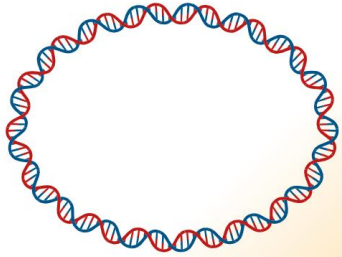
जैवप्रौद्योगिकी विभाग
DEPARTMENT OF
BIOTECHNOLOGY



Genome Announcement: *Staphylococcus xylosus*

Accession #ERS27171422 (ENA)
#INS0022820 (IBDC)

1. Genome Sequencing



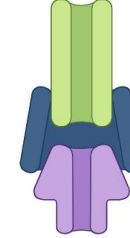
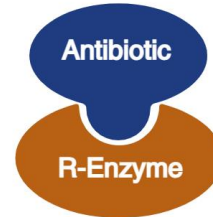
BRIC-THSTI
presenting the whole
genome sequence
of ***Staphylococcus
xylosus*** isolated
from the neosepsis
blood sample.

2. Analysis



This genomic
analysis
demonstrates
***Staphylococcus
xylosus*** as a
commensal with
antibiotic resistance
and virulence genes,
indicating potential
for opportunistic
infection

3. Insights



S. xylosus harbors
stress-adaptive
genes (***arlR***, ***mgrA***,
tmRNA) and multiple
ARGs (***dfrC***, ***norA***,
FosD, ***fusD***),
enabling survival in
harsh environments.

4. Translation



Its genomic and
functional profile
offers important
insights for
managing public
health risks and
advancing
applications in food
safety and veterinary
medicine.

***Staphylococcus xylosus*: The food fermenter with a hidden playbook for resistance.**