



ONE DAY ONE GENOME

*Lactobacillus
acetotolerans*

SELECTED AS START
CULTURE FOR CONROLLED
BAMBOO FERMENTATON

THE STRAIN HAS POTENTIAL
IN FOOD PRESERVATION

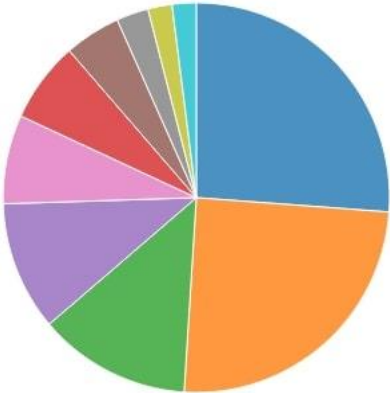


Quality of Genome Assembly and Annotation:

Results from indigenously developed **BHARAT** analysis pipeline: (**B**acterial **H**ybrid genome **A**ssembly and **R**apid **A**nnotation **T**oolset)

Table 1: Assembly Details	
Contigs	111
GC Content	36.28
Contig L50	16
Genome length	1,627,307 bp
Contig N50	35,268

Table 2: Annotated Genome Features	
CDS	1,608
tRNA	54
Repeat Regions	47
rRNA	5



Subsystem Analysis

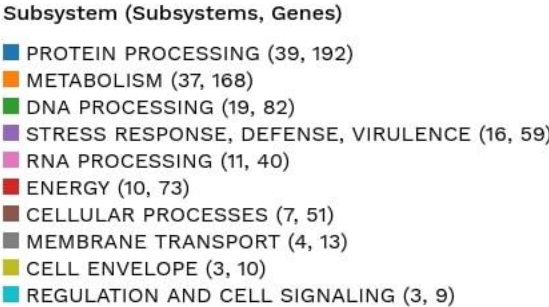


Table 3: Antimicrobial Resistance Genes	
AMR Mechanism	Genes
Antibiotic target in susceptible species	Alr, Ddl, EF-G, EF-Tu, folA, Dfr, gyrA, gyrB, inhA, fabI, Iso-tRNA, kasA, MurA, rpoB, rpoC, S10p, S12p
Gene conferring resistance via absence	gidB
Protein altering cell wall charge conferring antibiotic resistance	GdpD, PgsA

Genome Assembly

