

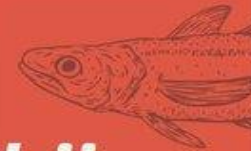
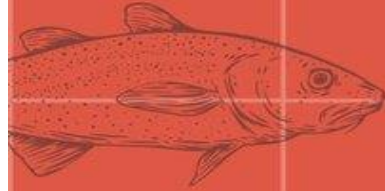


Government of India
Ministry of Science & Technology
Department of Biotechnology



IBSD
International Bio-Science Database

ONE DAY ONE GENOME



Ligilactobacillus pobuzihii

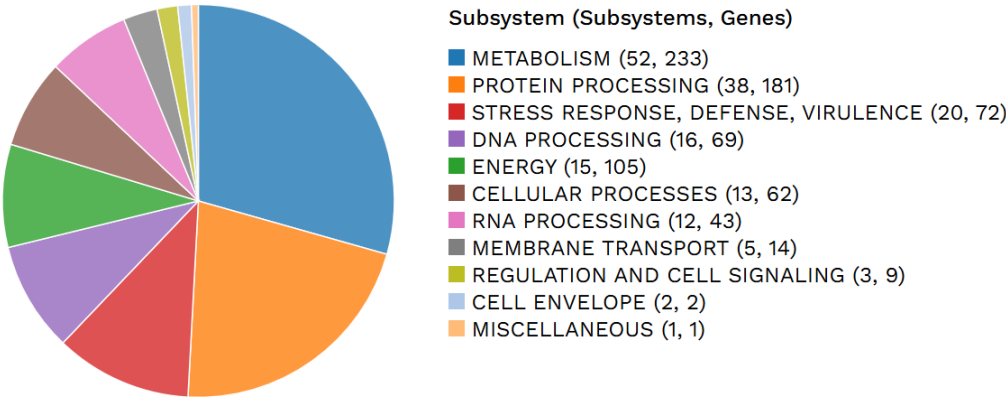
Selected as a starter culture for
non-salted fish fermentation.

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	38
GC Content	37.86
Contig L50	7
Genome length	2,350,214 bp
Contig N50	119,998

Table 2: Annotated Genome Features	
CDS	2,267
tRNA	58
Repeat Regions	12
rRNA	9

Subsystem Analysis



Genome Assembly

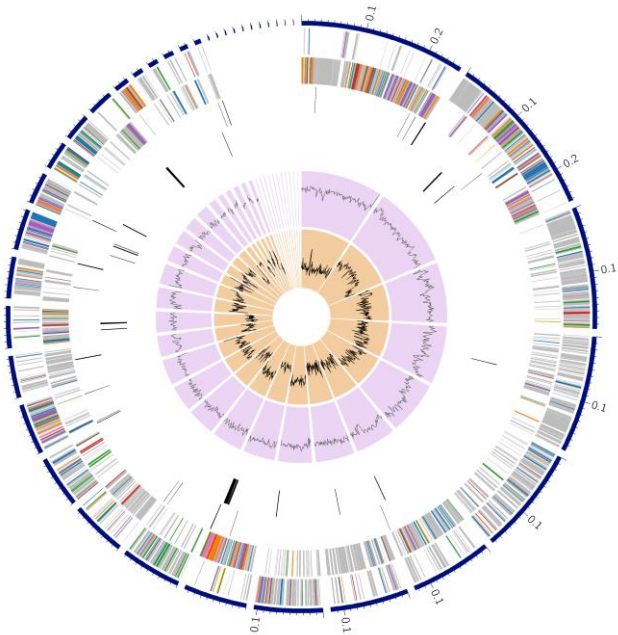


Table 3: Antimicrobial Resistance Genes	
AMR Mechanism	Genes
Antibiotic target in susceptible species	Alr, Ddl, EF-G, EF-Tu, folA, Dfr, gyrA, gyrB, inhA, fabI, Iso-tRNA, kasA, MurA, rho, rpoB, rpoC, S10p, S12p
Gene conferring resistance via absence	gidB
Protein altering cell wall charge conferring antibiotic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