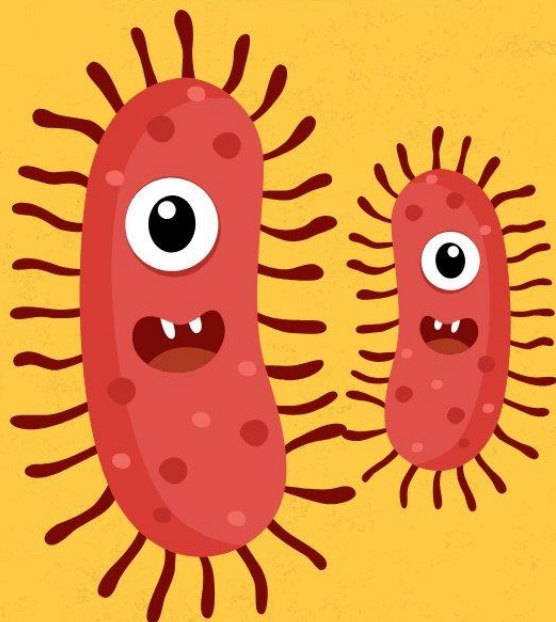




ONE DAY ONE GENOME

Enterobacter strain

SWIPE →



HELPS IN DEGRADATION

Natural antioxidant



Isolated from freshwater PUFFERFISH

1



PLAYS Crucial Role in DIGESTION

- ✓ Nutrient absorption
- ✓ Immune system development
- ✓ Overall physiological balance

3



Enterobacter sp.

Genome Accession Number: JAJNOG00000000

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	24
GC Content	55.89
Contig L50	3
Genome length	4,452,943 bp

Table 2: Annotated Genome Features	
CDS	4,194
tRNA	75
Repeat Regions	0
rRNA	3

Subsystem Analysis

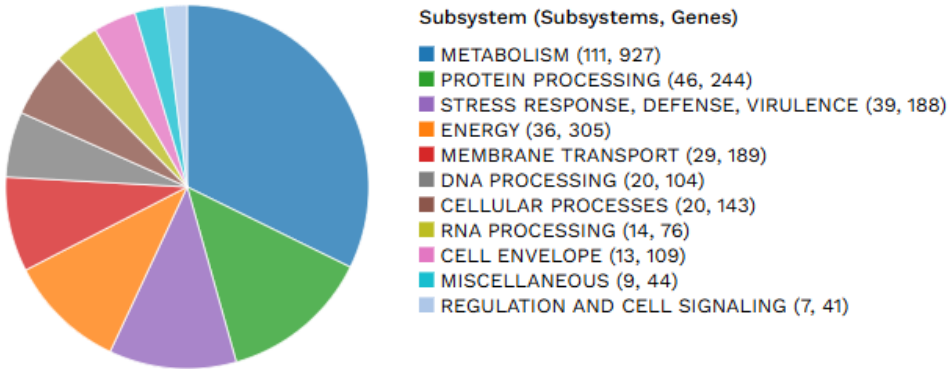


Table 3: Antimicrobial Resistance Genes	
Antibiotic target in susceptible species	Alr, Ddl, dxr, EF-G, EF-Tu, folA, Dfr, folP, gyrA, gyrB, inhA, fabI, Iso-tRNA, kasA, MurA, rho, rpoB, rpoC, S10p, S12p
Efflux pump conferring antibiotic resistance	AcrAB-TolC, AcrAD-TolC, AcrEF-TolC , AcrZ, EmrAB-TolC, EmrD, MacA, MacB, MdfA/Cmr, MdtABC-TolC, MdtL, SugE, TolC/OpmH
Protein altering cell wall charge conferring antibiotic resistance	GdpD, PgsA

Genome Assembly

