

01

Isolated from the haloalkaline waters of Lonar Lake, Maharashtra, India

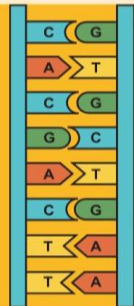


ONE DAY ONE GENOME

Alkalimonas mucilaginoso

02

A promising candidate for Food Biotechnology



03



Produces robust enzymes like proteases & lipases ideal for Detergent Industry

04



Due to enzymes stability under alkaline and saline conditions they are in high demand in Leather Industry

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	69
GC Content	51.40
Contig L50	5
Genome length	3,858,702 bp
Contig N50	289,307

Table 2: Annotated Genome Features

CDS	3,679
tRNA	64
Repeat Regions	64
rRNA	4

Subsystem Analysis

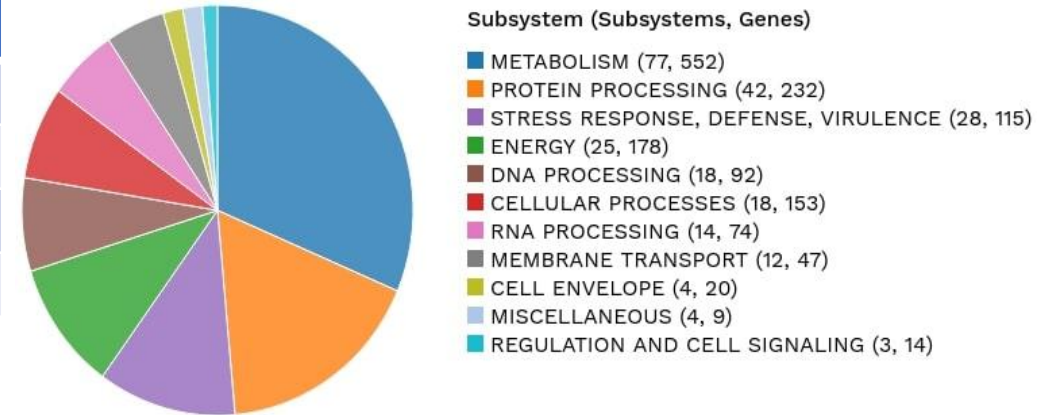


Table 3: Protein Features

Proteins with functional assignments	2,298
Proteins with EC number assignments	851
Proteins with GO assignments	700
Proteins with Pathway assignments	610
Proteins with PATRIC cross-genus family (PGfam) assignments	2,508

Genome Assembly

