



Government of India
Ministry of Science & Technology
Department of Biotechnology



ONE DAY ONE GENOME

Erythrobacter sp.



The microbe showcases strong metabolic plasticity, environmental resilience, and potential for degrading aromatic pollutants

Quality of Genome Assembly and Annotation:
Results from indigenously developed **BHARAT** analysis pipeline: (**B**acterial **H**ybrid genome **A**ssembly and **R**apid **A**nnnotation **T**oolset)

Table 1: Assembly Details	
Contigs	5
GC Content	64.81
Contig L50	1
Genome length	3,597,984 bp
Contig N50	3,050,932

Table 2: Annotated Genome Features	
CDS	3,440
tRNA	48
Repeat Regions	10
rRNA	3

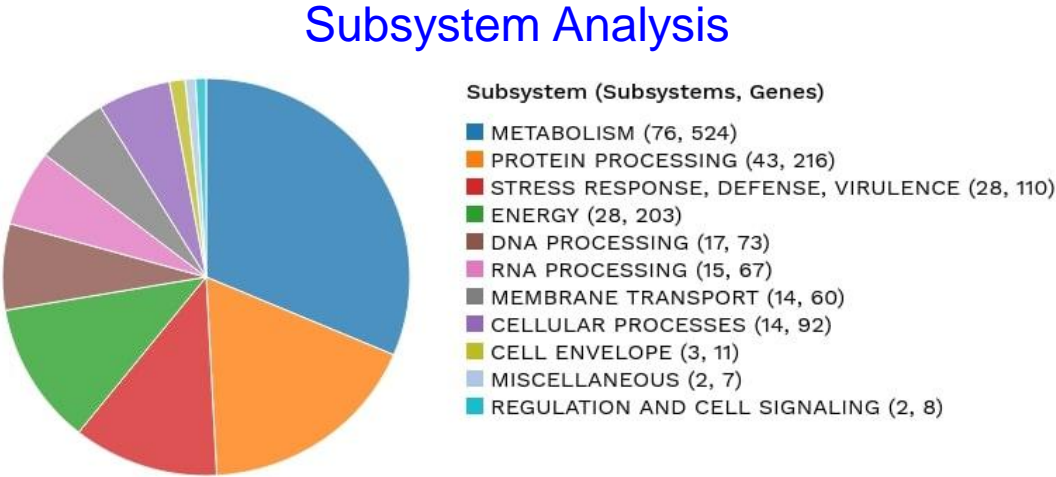


Table 3: Protein Features	
Proteins with functional assignments	2,142
Proteins with EC number assignments	781
Proteins with GO assignments	660
Proteins with Pathway assignments	604
Proteins with PATRIC genus-specific family (PLfam) assignments	2,470
Proteins with PATRIC cross-genus family (PGfam) assignments	2,962

Genome Assembly

