

ONE DAY ONE GENOME

Natronococcus pandeyae sp. nov.



Bioremediation



Environment
Conservation



Crop stress
protection



Higher Crop
Yields



Shows Genetic
Divergence



Harnessed for
Industrial process

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	50
GC Content	63.19 %
Contig L50	6
Genome length	5,316,806 bp
Contig N50	288,393

Table 2: Annotated Genome Features	
CDS	5,893
tRNA	52
Repeat Regions	0
rRNA	4

Subsystem Analysis

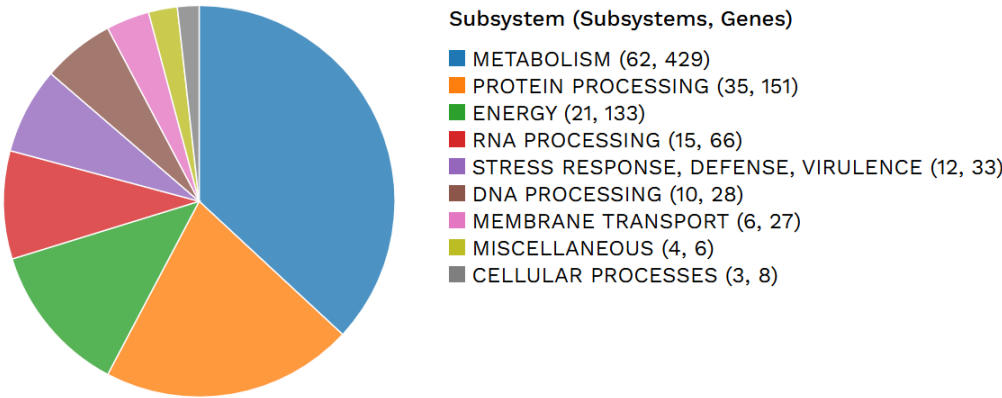


Table 3: Antimicrobial Resistance Genes	
AMR Mechanism	Genes
Antibiotic target in susceptible species	folA, Dfr, folP, gyrA, gyrB, Iso-tRNA
Antibiotic activation enzyme	KatG
Protein altering cell wall charge conferring antibiotic resistance	GdpD

Genome Assembly

