



One Day One Genome

Chakrabartia godavariana

ISOLATED FROM
FROM THE
GODAVARI RIVER
DURING THE
KUMBH MELA

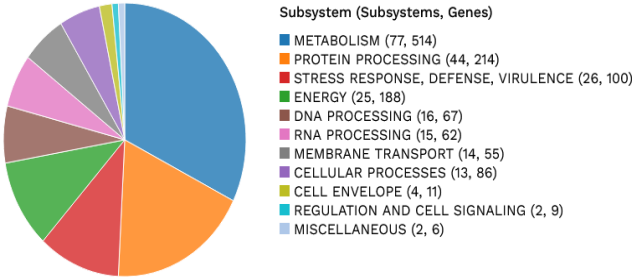
SOURCE OF NOVEL ENZYMES
AND METABOLITES

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)

Subsystem Analysis

Table 1: Assembly Details	
Contigs	5
GC Content	63.78
Contig L50	2
Genome length	3,168,918 bp
Contig N50	1,026,613

Table 2: Annotated Genome Features	
CDS	3,035
tRNA	44
Repeat Regions	3
rRNA	3



Genome Assembly

Table 3: Antimicrobial Resistance Genes	
AMR Mechanism	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
Antibiotic activation enzyme	KatG
Protein altering cell wall charge conferring antibiotic resistance	GdpD, PgsA

