



ONE DAY ONE GENOME

Microbacterium oryzae



Isolated from rice field soil, it offers potential applications in *Plant-microbe* symbiosis and *Agriculture*

Microbacterium oryzae sp. nov. (MB-10^T)

Genome Accession Number: CP032550

Quality of Genome Assembly and Annotation:

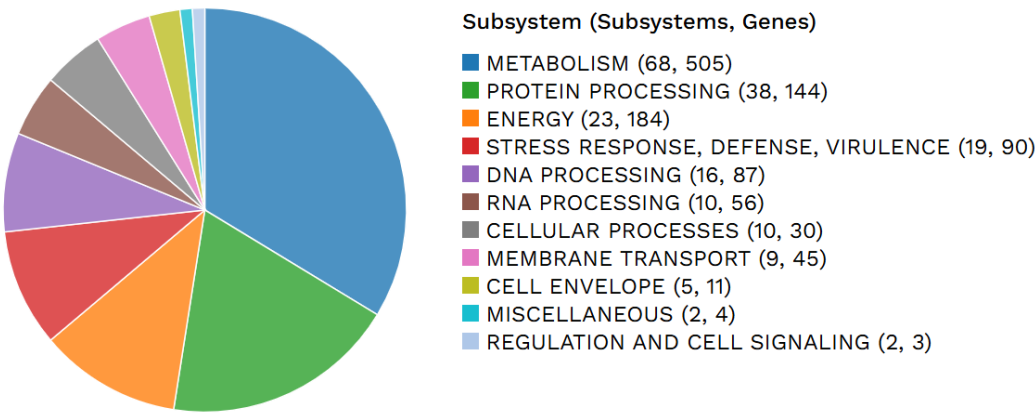
Results from indigenously developed **BHARAT** analysis pipeline: (**B**acterial **H**ybrid genome **A**ssembly and **R**apid **A**nnotation **T**oolset)

Table 1: Assembly Details	
Contigs	1
GC Content	71.12 %
Contig L50	1
Genome length	3,032,855 bp
Contig N50	3,032,855

Table 2: Annotated Genome Features	
CDS	3,692
tRNA	45
Repeat Regions	16
rRNA	9

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, Iso-tRNA, kasA, MurA, rho, rpoB, rpoC, S10p, S12p
Regulator modulating expression of antibiotic resistance genes	MtrA, MtrB
Protein altering cell wall charge conferring antibiotic resistance	GdpD, PgsA
Antibiotic target replacement protein	FabL-like

Subsystem Analysis



Genome Assembly

