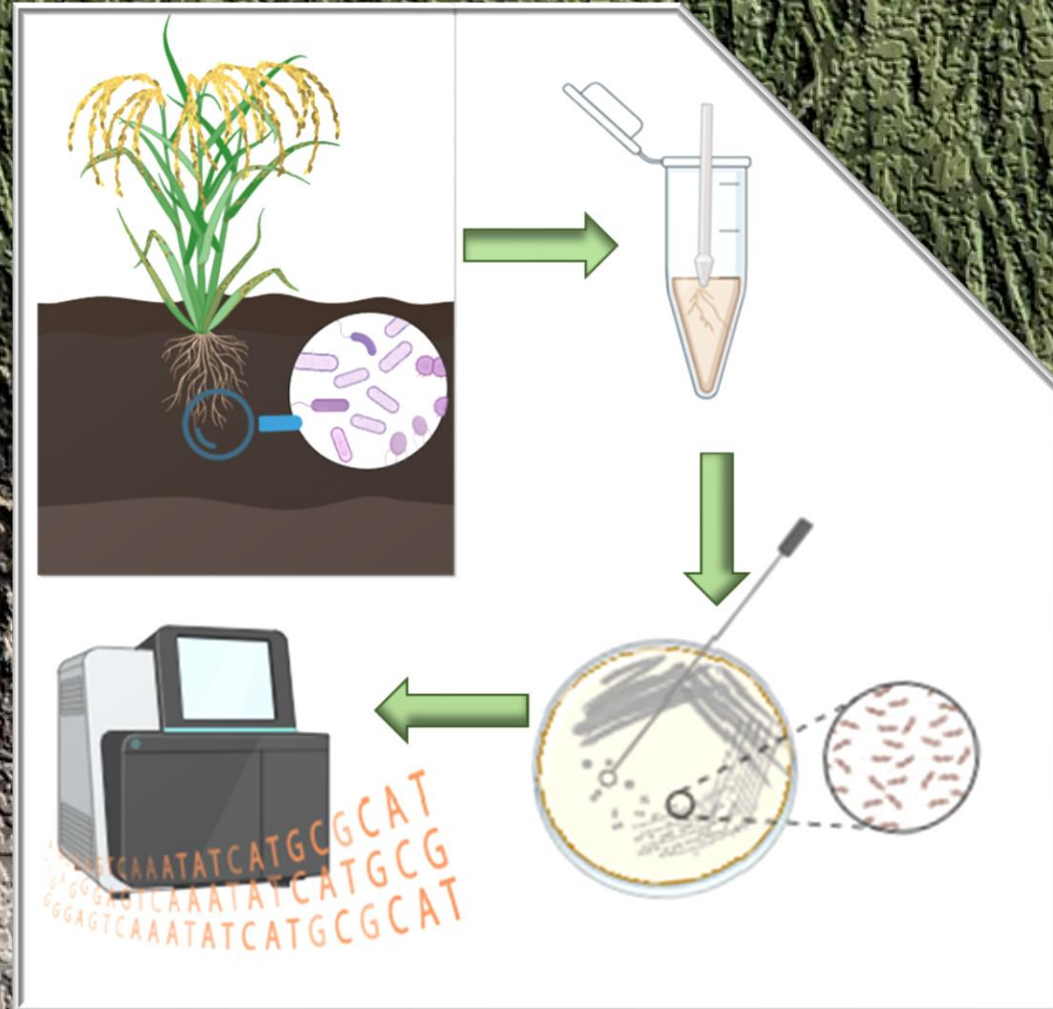




## Genome of the Day: *Aeromonas sp. NI\_MG1*

Isolated from rice roots cultivated in iron-rich lowland soils of the Northeast.



# Aeromonas sp. (NI\_MG1) Genome Accession Number: INRP000246

## 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	55
GC Content	61.63
Contig L50	8
Genome length	4,515,780 bp
Contig N50	182,879

Table 2: Annotated Genome Features	
CDS	4,282
tRNA	95
rRNA	7
Repeat Regions	0

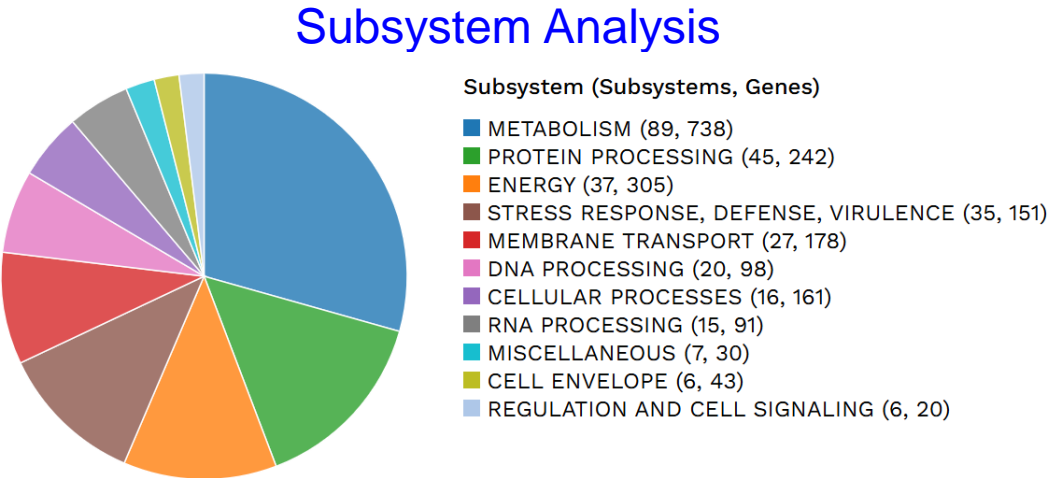


Table 3: Antimicrobial Resistance Genes	
AMR Mechanism	Genes
Antibiotic activation enzyme	KatG
Antibiotic inactivation enzyme	ChpA family, CMY-1/MOX family
Antibiotic target in susceptible species	Alr, Ddl, dxr, EF-G, EF-Tu, folA, Dfr, folP, gyrA, gyrB, Iso-tRNA, kasA, MurA, rho, rpoB, rpoC, S10p, S12p
Antibiotic target replacement protein	fabV
Gene conferring resistance via absence	gidB
Protein altering cell wall charge conferring antibiotic resistance	GdpD, PgsA
Regulator modulating expression of antibiotic resistance genes	H-NS, OxyR

