

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		Table 2: Annotated Genome Features	
Contigs	23	CDS	3,134
GC Content	65.09	tRNA	44
Contig L50	5	Repeat Regions	3
Genome length	3,203,428 bp	rRNA	0
Contig N50	288,423		

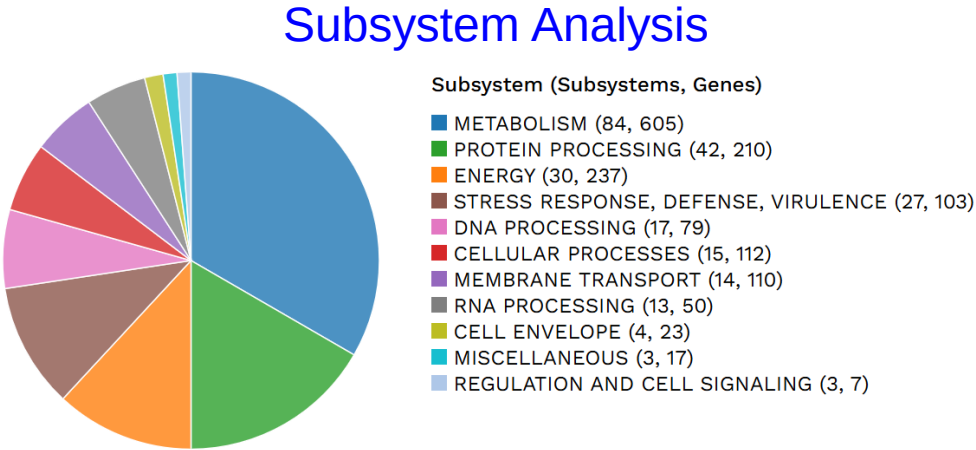


Table 3: Antimicrobial Resistance Genes	
AMR Mechanism	Genes
Antibiotic target in susceptible species	Alr, Ddl, dxr, EF-G, EF-Tu, folA, Dfr, folP, gyrA, gyrB, inhA, fabI, Iso-tRNA, kasA, MurA, rho, rpoB, rpoC, S10p, S12p
Efflux pump conferring antibiotic resistance	EmrAB-OMF, EmrAB-TolC, MdtABC-OMF, MdtABC-TolC
Regulator modulating expression of antibiotic resistance genes	OxyR
Antibiotic target protection protein	BcrC
Protein altering cell wall charge conferring antibiotic resistance	GdpD, PgsA

