



ONE DAY ONE GENOME

Burkholderia gladioli

The bacterial genome exhibits broad-spectrum
antifungal and antibacterial activities



Burkholderia gladioli (NGJ1)

Genome Accession Number: LEKY00000000

Quality of Genome Assembly and Annotation:

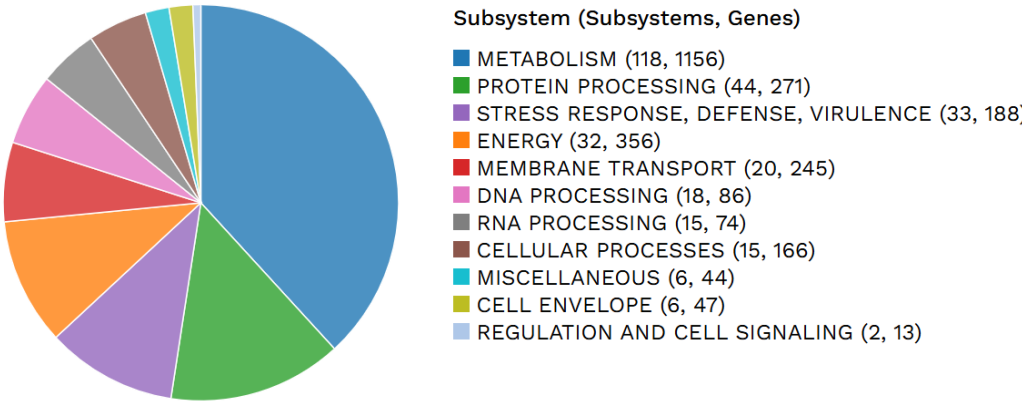
Results from indigenously developed **BHARAT** analysis pipeline: (**B**acterial **H**ybrid genome **A**ssembly and **R**apid **A**nnotation **T**oolset)

Table 1: Assembly Details	
Contigs	155
GC Content	68.07
Contig L50	12
Genome length	8,020,595 bp
Contig N50	283,251

Table 2: Annotated Genome Features	
CDS	7,659
tRNA	54
Repeat Regions	0
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
Efflux pump conferring antibiotic resistance	EmrAB-OMF, EmrAB-TolC, MacA, MacB, MdtABC-OMF, MdtABC-TolC
Regulator modulating expression of antibiotic resistance genes	H-NS, OxyR
Protein modulating permeability to antibiotic	OprB family, OprD family
Protein altering cell wall charge conferring antibiotic resistance	GdpD, PgsA

Subsystem Analysis



Genome Assembly

