

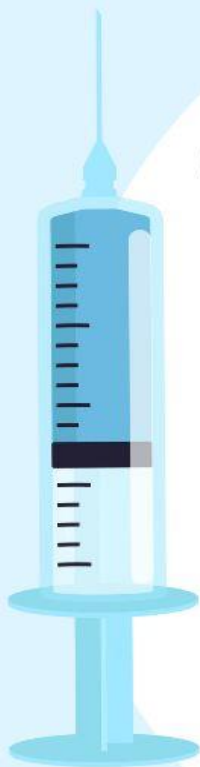


One Day One Genome

Leptospira interrogans Serovar Hardjo

IT HOLDS SIGNIFICANT IMPLICATIONS
FOR THE DEVELOPMENT OF

NEXT GEN VACCINE



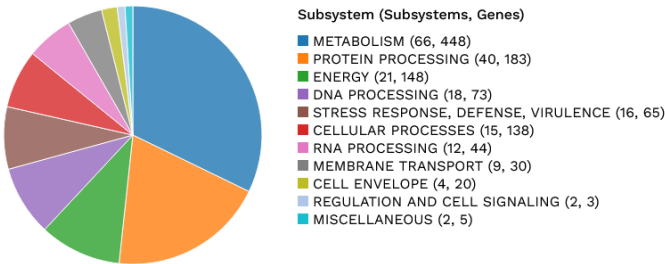
Quality of Genome Assembly and Annotation:

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

Table 1: Assembly Details	
Contigs	104
GC Content	34.97
Contig L50	14
Genome length	4,588,555 bp
Contig N50	110,975

Table 2: Annotated Genome Features	
CDS	4,925
tRNA	37
Repeat Regions	17
rRNA	2

Subsystem Analysis



Genome Assembly

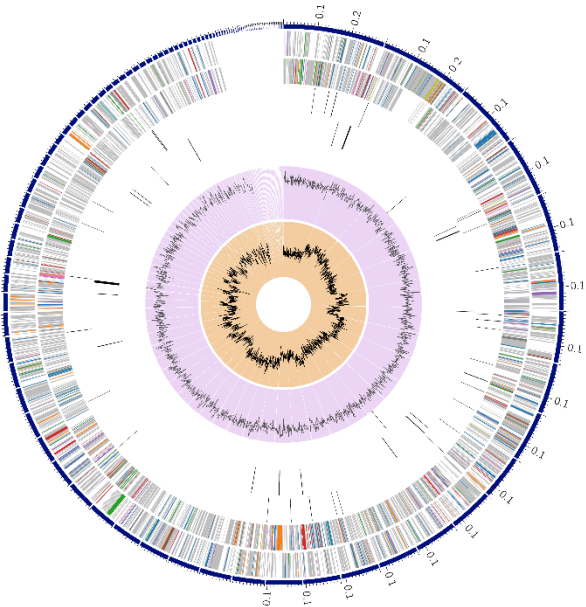


Table 3: Antimicrobial Resistance Genes	
AMR Mechanism	Genes
Antibiotic target in susceptible species	Alr, Ddl, dxr, EF-G, EF-Tu, folA, Dfr, folP, gyrA, gyrB, Iso-tRNA, MurA, rho, rpoB, rpoC, S10p, S12p
Gene conferring resistance via absence	gidB
Protein altering cell wall charge conferring antibiotic resistance	GdpD, PgsA