



सत्यमेव जयते

ONE DAY

ONE GENOME

Streptococcus dysgalactiae

**THIS BETA-HEMOLYTIC STREPTOCOCCUS PLAYS A SIGNIFICANT
ROLE IN WOUND INFECTIONS AND INFLAMMATION**



Streptococcus dysgalactiae

Genome Accession Number: INS0017629

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)

Subsystem Analysis

Table 1: Assembly Details	
Contigs	74
GC Content	39.51
Contig L50	14
Genome length	2,060,327 bp
Contig N50	51,681

Table 2: Annotated Genome Features	
CDS	2,119
tRNA	31
Repeat Regions	18
rRNA	3

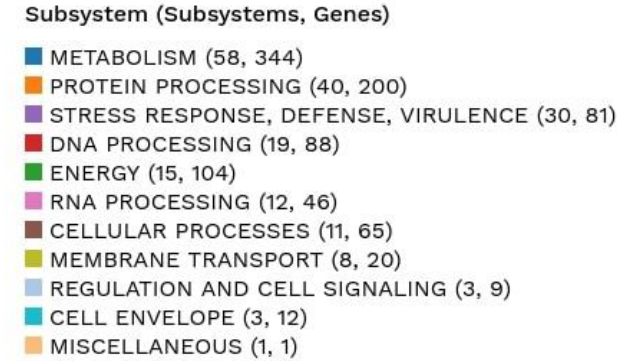
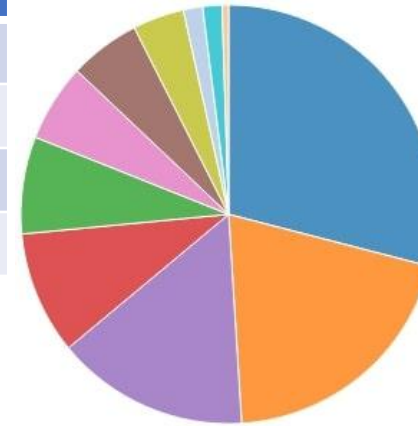


Table 3: Antimicrobial Resistance Genes

AMR Mechanism	Genes
Antibiotic target in susceptible species	Alr, Ddl, EF-G, EF-Tu, folA, Dfr, folP, gyrA, gyrB, Iso-tRNA, kasA, MurA, rpoB, rpoC, S10p, S12p
Antibiotic target replacement protein	Fabk
Efflux pump conferring antibiotic resistance	Mef(A)
Gene conferring resistance via absence	gidB
Protein altering cell wall charge conferring antibiotic resistance	PgsA
Regulator modulating expression of antibiotic resistance genes	LiaF, LiaR, LiaS

Genome Assembly

