



Government of India
Ministry of Science & Technology
Department of Biotechnology



ONE DAY ONE GENOME

Hylemonella sp.

Applications in Biofuel generation, Pollutant
cleanup and Synthetic biology



Hylemonella sp.

Genome Accession Number: JBKFDG01

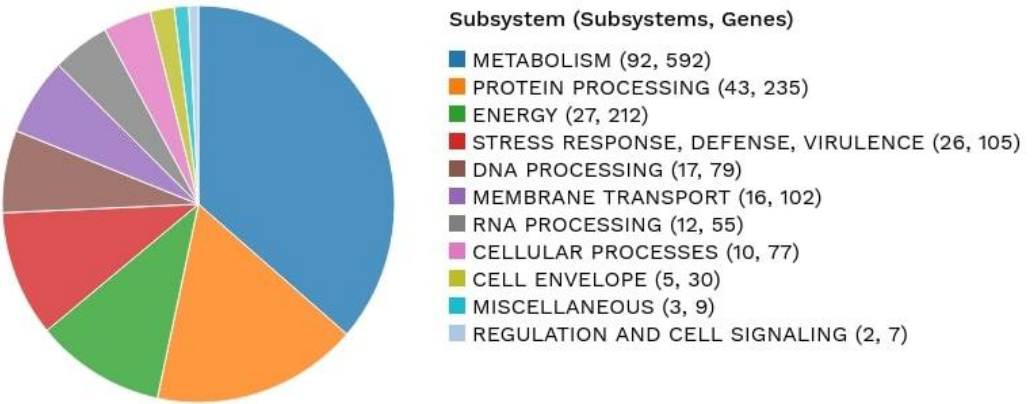
Quality of Genome Assembly and Annotation:

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	23
GC Content	64.06
Contig L50	3
Genome length	3,552,327 bp
Contig N50	470,775

Table 2: Annotated Genome Features	
CDS	3,300
tRNA	45
Repeat Regions	0
rRNA	3

Subsystem Analysis



Genome Assembly

Table 3: Protein Features	
Proteins with functional assignments	2,490
Proteins with EC number assignments	840
Proteins with GO assignments	719
Proteins with Pathway assignments	629
Proteins with PATRIC genus-specific family (PLfam) assignments	2,690
Proteins with PATRIC cross-genus family (PGfam) assignments	2,876

