



Government of India
Ministry of Science & Technology
Department of Biotechnology



BRIC
a DBT Organization



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One Day One Genome



Delftia strain

Underscores the remarkable microbial
diversity from aquatic animal



Delftia sp.

Genome Accession Number: CP181346

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	1
GC Content	65.26
Contig L50	1
Genome length	5,538,489 bp

Table 2: Annotated Genome Features	
CDS	5,139
tRNA	92
Repeat Regions	149
rRNA	18

Subsystem Analysis

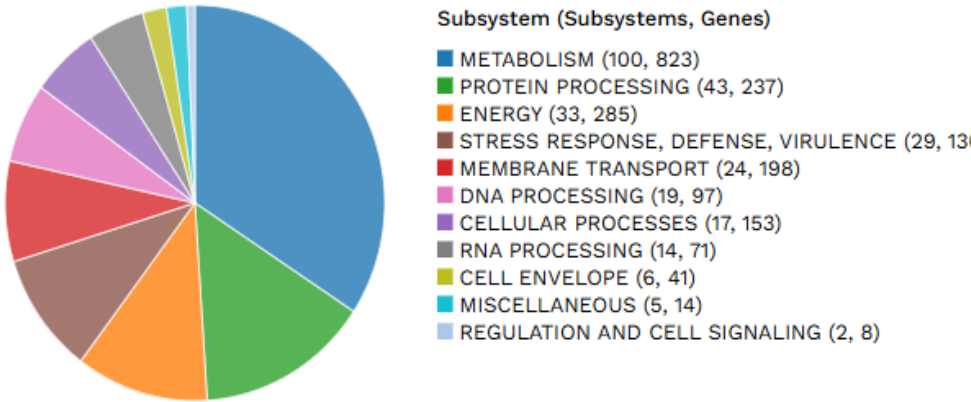


Table 3: Antimicrobial Resistance Genes

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, MacA, MacB, MdtABC-OMF, MdtABC-TolC
Protein altering cell wall charge conferring antibiotic resistance	GdpD, PgsA

Genome Assembly

