



Government of India
Ministry of Science & Technology
Department of Biotechnology



ONE DAY ONE GENOME

Stenotrophomonas sp.

Isolated from the intestine of
freshwater pufferfish it has the ability
to metabolize starch and sucrose

Stenotrophomonas sp.

Genome Accession Number: JAJNOF000000000

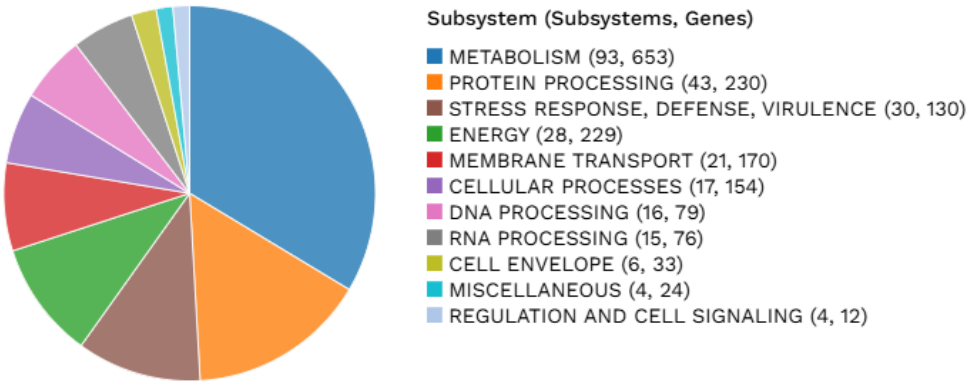
Quality of Genome Assembly and Annotation:

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	34
GC Content	67.36
Contig L50	6
Genome length	4,432,941 bp

Table 2: Annotated Genome Features	
CDS	4,097
tRNA	71
rRNA	2

Subsystem Analysis



Genome Assembly

Table 3: Antimicrobial Resistance 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-TolC, TolC/OpmH
Protein altering cell wall charge conferring antibiotic resistance	PgsA

