***Marisediminicola senii sp. nov.* (SM7_A14^{T})** **Genome Accession Number: INGCA000000156**

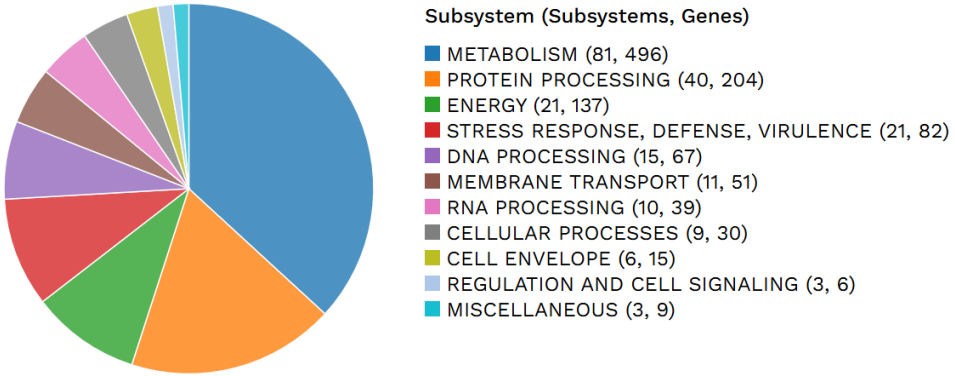
Quality of Genome Assembly and Annotation:

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	110
GC Content	68.52
Contig L50	17
Genome length	3,236,374 bp
Contig N50	52,576

Table 2: Annotated Genome Features	
CDS	3,167
tRNA	50
Repeat Regions	0
rRNA	4

Subsystem Analysis



Genome Assembly

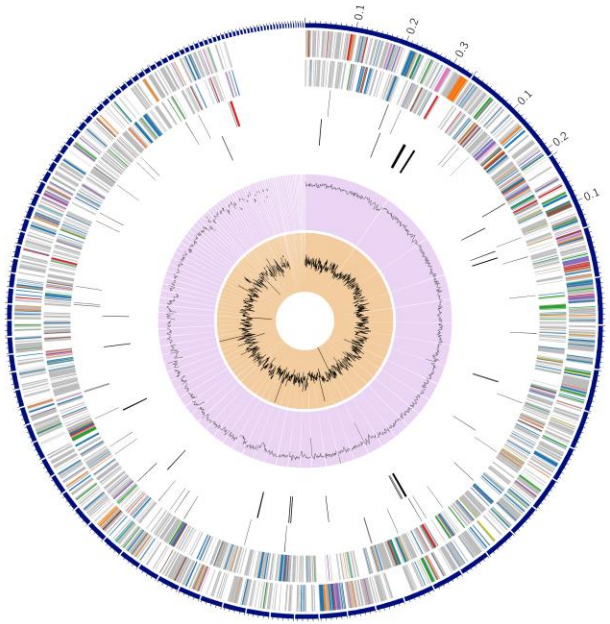


Table 3: Antimicrobial Resistance Genes	
AMR Mechanism	**Genes**
Antibiotic target in susceptible species	Alr, Ddl, dxr, EF-G, EF-Tu, folP, gyrA, gyrB, Iso-tRNA, kasA, MurA, rho, rpoB, rpoC, S10p, S12p
Antibiotic target replacement protein	FabL-like
Protein altering cell wall charge conferring antibiotic resistance	GdpD, PgsA
Regulator modulating expression of antibiotic resistance genes	MtrA, MtrB