



Government of India
Ministry of Science & Technology
Department of Biotechnology



भारतीय
अणुजीव
विज्ञान
अकादमी
National Institute of
Biomedical Genomics

ONE DAY ONE GENOME

Staphylococcus succinus

The microbe contributes to a broader understanding of
microbial ecology in wound environments

Staphylococcus succinus

Genome Accession Number: INS0025520

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	15
GC Content	32.83
Contig L50	1
Genome length	2,773,738 bp
Contig N50	1,398,162

Table 2: Annotated Genome Features	
CDS	2,641
tRNA	55
rRNA	4

Subsystem Analysis

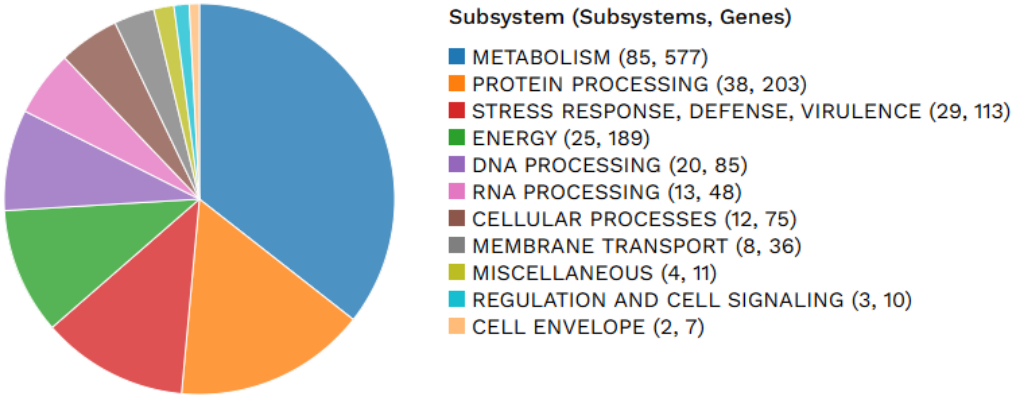


Table 3: Antimicrobial Resistance Genes	
AMR Mechanism	Genes
Antibiotic resistance gene cluster,cassette,or operon	TcaA, TcaB, TcaB2, TcaR
Antibiotic target in susceptible species	Alr, Ddl, EF-G, EF-Tu, folA, Dfr, folP, gyrA, gyrB, inhA, fabI, Iso-tRNA, kasA, MurA, rho, rpoB, rpoC, S10p, S12p
Protein altering cell wall charge conferring antibiotic resistance	GdpD, MprF, PgsA
Gene conferring resistance via absence	gidB
Efflux pump conferring antibiotic resistance	NorA, YkkCD
Regulator modulating expression of antibiotic resistance genes	BceR, BceS, LiaF, LiaR, LiaS

Genome Assembly

