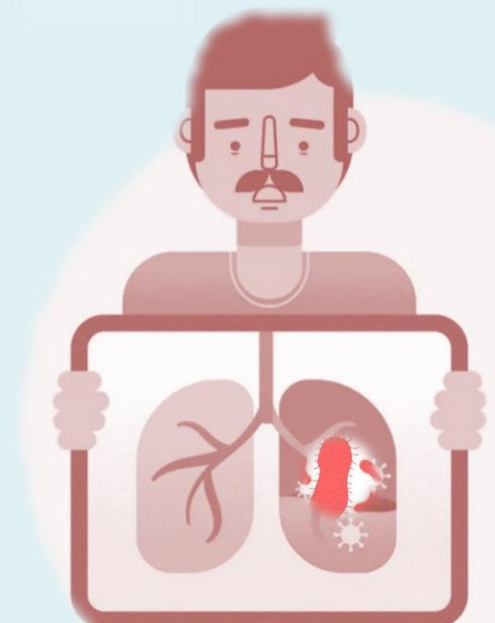
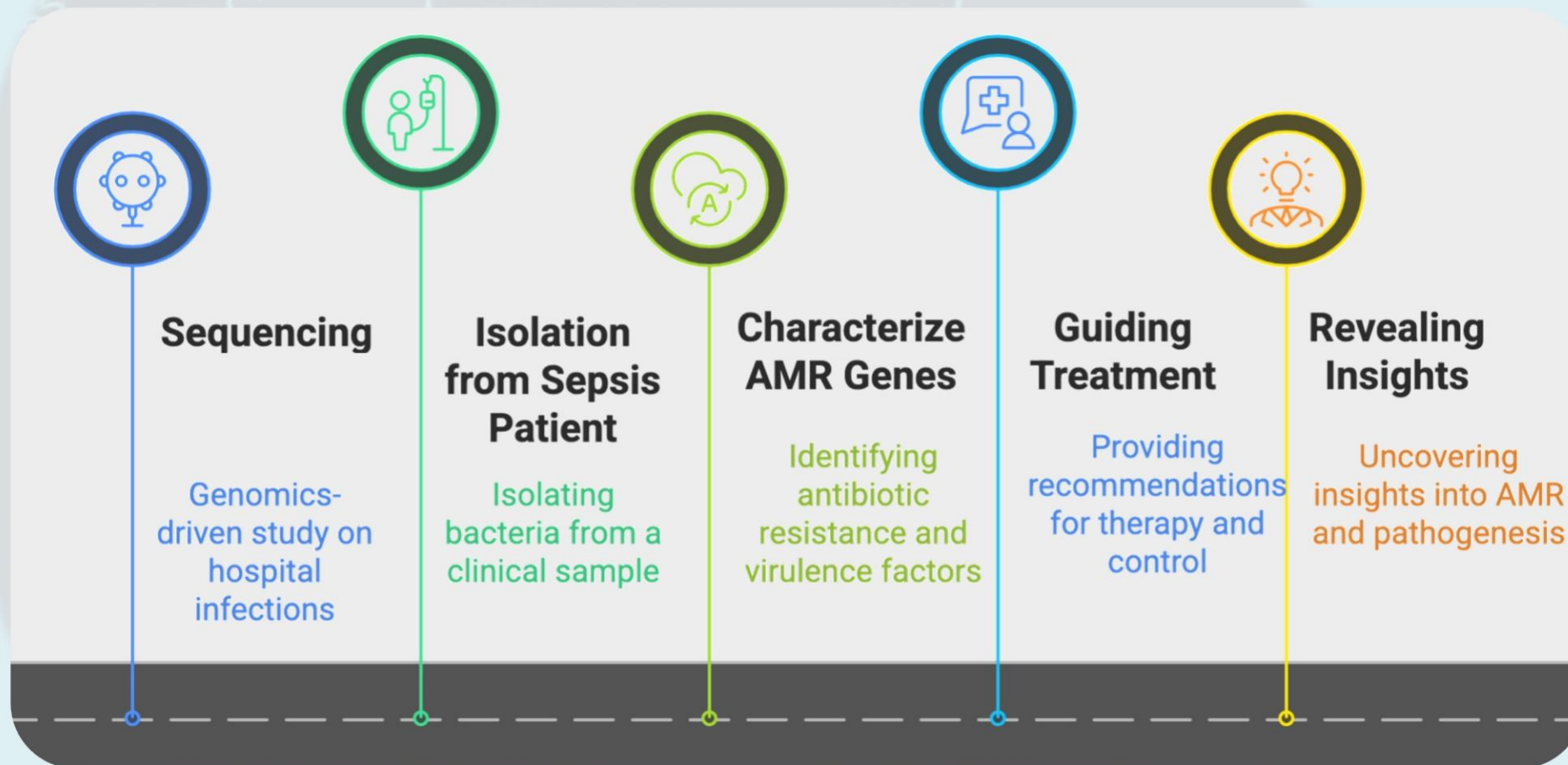




#OneDayOneGenomeInitiative

Klebsiella pneumoniae (CDFD_ODOG_Kleb_1)



INDIA

Indian Nucleotide Data Archive

INS0009878



Klebsiella pneumoniae (ODFD_ODOG_Kleb_1)

Genome Accession Number: INS0009878

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	102
GC Content	57.05
Contig L50	11
Genome length	5,610,593 bp
Contig N50	195,347

Table 2: Annotated Genome Features	
CDS	5,498
tRNA	78
rRNA	3
Repeat Regions	11

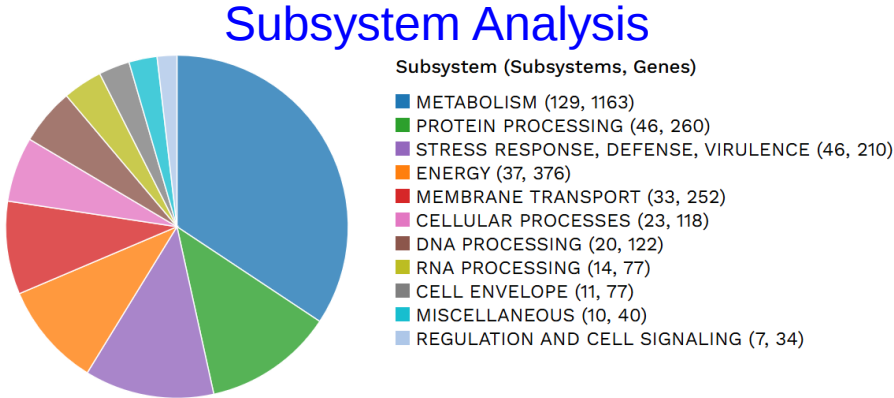


Table 3: Antimicrobial Resistance Genes	
AMR Mechanism	Genes
Antibiotic inactivation enzyme	AAC(6')-Ib/AAC(6')-II, CatB family, CTX-M family, Mph(A) family, NDM family, SHV family, TEM family
Antibiotic resistance gene cluster,cassette,or operon	MarA, MarB, MarR
Antibiotic target in susceptible species	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	AcrAB-TolC, AcrAD-TolC, AcrEF-TolC , AcrZ, EmrAB-TolC, EmrD, MacA, MacB, MdfA/Cmr, MdtABC-TolC, MdtL, MdtM, QacE, SugE, TolC/OpmH
Protein altering cell wall charge conferring antibiotic resistance	GdpD, PgsA
Protein modulating permeability to antibiotic	OccD6/OprQ, OprB

Genome Assembly

