

One Day One Genome

Savagea serpentis (MCC 2521) Accession number [JADKPV000000000](#)

The genome of *Savagea serpentis* reveals multiple antibiotic resistance genes, underscoring the need for novel strategies in managing drug-resistant pathogens

Isolated from snake scat, *S. serpentis* offers insights into ecological roles and guides India’s research on multidrug resistant bacteria

Confronting Emerging Drug-Resistant Threats:
India’s Path Forward!

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

Contigs21

GC Content40.78

Plasmids0

Contig L502

Genome Length2,637,389 bp

Contig N50257,483

Chromosomes0

Table 2. Annotated Genome Features

CDS2,667

tRNA50

Repeat Regions29

rRNA4

Partial CDS0

Miscellaneous RNA0

Job IDannotation_2022004

Organism name	Genome Accession number	Culture type	Isolated from	Pathogenicity	Genome Size	No. of Genes	Pathogenic genes	Importance
Savagea serpentis (MCC 2521)	JADKPV000000000	Gram positive, rod shaped and non motile, can grow aerobically and anaerobically	Isolated from the scat of a mildly venomous vine snake	Non pathogenic	2,637,389 base pair	2,667	BceA, BceB, Tet(L), GdpD, PgsA	Emerging extensive drug-resistant pathogenic bacterium