



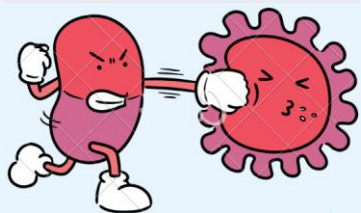
One Day One Genome

Staphylococcus haemolyticus (NIBMG_HMR_4)

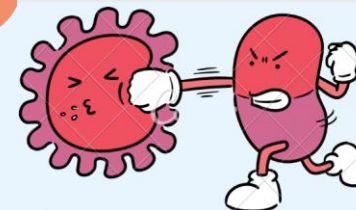
Bacteria found in healthy skin of humans

Outcompetes
Severe
Pathogens

Genome Sequencing will boost
Effective Skin & Wound
Treatment



Isolated from skin of
elbow region of healthy
humans



Staphylococcus haemolyticus (NIBMG_HMR_4)

Genome Accession Number: INS0005649

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	82
GC Content	32.66
Contig L50	11
Genome length	2,448,233 bp
Contig N50	82,512

Table 2: Annotated Genome Features	
CDS	2,414
tRNA	57
rRNA	4
Repeat Regions	0

Table 3: Antimicrobial Resistance Genes	
AMR Mechanism	Genes
Antibiotic inactivation enzyme	ANT(6)-I, APH(3')-III/APH(3')-IV/APH(3')-VI/APH(3')-VII, BlaZ family, CatA8 family, Lnu(A)
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
Efflux pump conferring antibiotic resistance	BceA, BceB, NorA, YkkCD
Protein altering cell wall charge conferring antibiotic resistance	GdpD, MprF, PgsA

