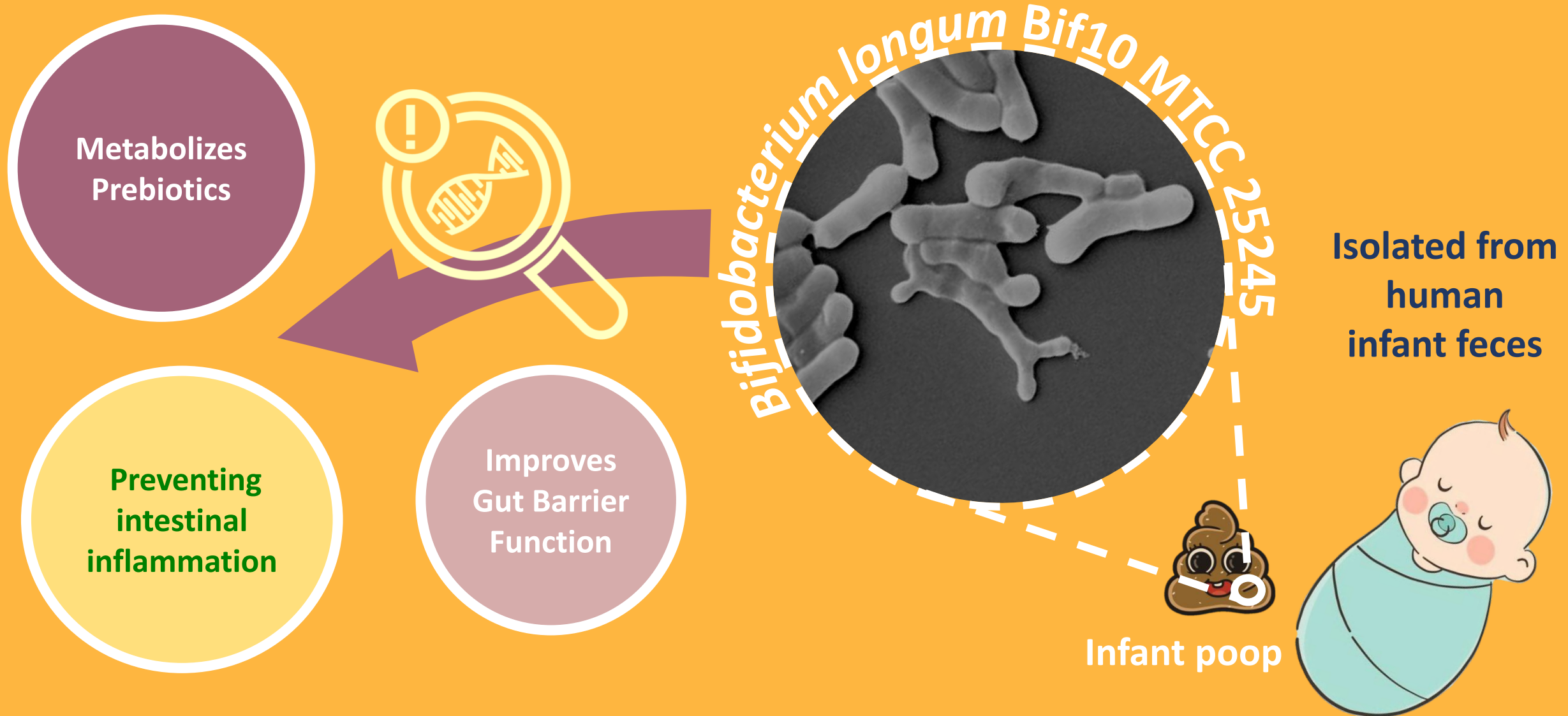




#OneDayOneGenomeInitiative



Bifidobacterium longum (Bif10)

Genome Accession Number: QCZM00000000

Quality of Genome Assembly and Annotation:

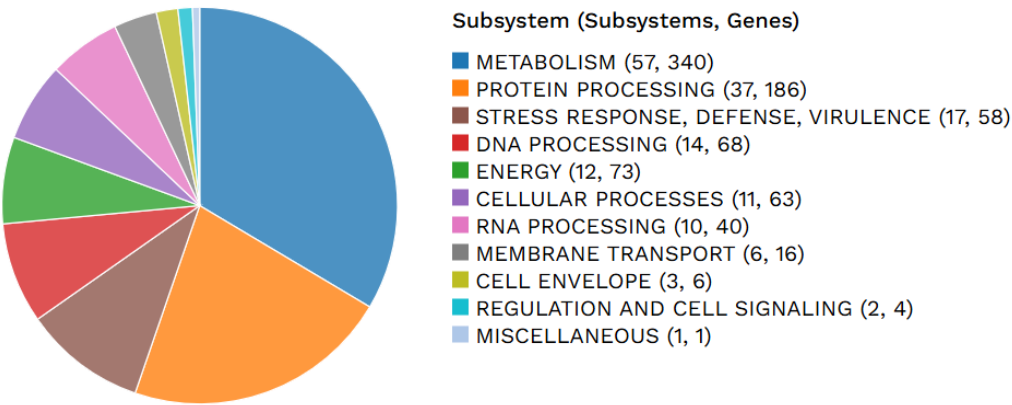
Results from indigenously developed **BHARAT** analysis pipeline:
(**B**acterial **H**ybrid genome **A**ssembly and **R**apid **A**nnotation **T**oolset)

Table 1: Assembly Details	
Contigs	68
GC Content	59.64
Contig L50	7
Genome Length	2,617,103 bp
Contig N50	146,450

Table 2: Annotated Genome Features	
CDS	2,353
tRNA	85
Repeat Regions	33

Table 3: Antimicrobial Resistance Genes	
AMR Mechanism	Genes
Antibiotic target in susceptible species	Alr, Ddl, dxr, EF-G, EF-Tu, folA, Dfr, folP, gyrA, gyrB, Iso-tRNA, MurA, rho, rpoB, rpoC, S10p, S12p
Antibiotic target modifying enzyme	Erm(X)
Gene conferring resistance via absence	gidB
Protein altering cell wall charge conferring antibiotic resistance	GdpD, PgsA
Regulator modulating expression of antibiotic resistance genes	MtrA, MtrB

Subsystem Analysis



Genome Assembly

