	Fictibacillus fluitans (MCC 5285) Accession: JAUHTR000000000.1						
One Day One Genome	<i>Fictibacillus fluitans,</i> a novel bacterium with potential for sustainable sweetener and biofuel production						
	This discovery could contribute to India's goal of self-reliance in the food and energy sectors						
	Innovative India Naturally!						

Accession number	Organism name	Culture type	Pathogenicity	Genome Size	No. of Genes	Relevant genes	Importance
<u>JAUHTR000</u> 000000.1	Fictibacillus fluitans (MCC 5285)	Gram +ve, aerobic, rod- shaped	Non Pathogenic	4.9 million bp	5,153	Genes such as xyl3A, fadE_1, iolG_1, comB, and prpE can facilitate the utilization of lignocellulosic biomass and the production of xylitol as a sugar alcohol sweetener.	Genome of <i>Fictibacillus fluitans</i> is important for understanding its metabolic capabilities and potential for bioremediation, offering insights into biomass conversion



Quality of Genome Assembly and Annotation:

<u>Fictibacillus fluitans</u> (MCC 5285) Accession: JAUHTR00000000.1

Table 1. Assembly Details				
Contigs	51			
GC Content	44.61			
Plasmids	0			
Contig L50	5			
Genome Length	4,910,325 bp			
Contig N50	278,596			

Reference Genome: Yes Completion of Genome Assembly: Yes

Table 2. Annotated Genome Features					
CDS	5,153				
tRNA	70				
rRNA	5				
Partial CDS	0				