Supplementary Material

Isolation, Genomic Analysis, and Functional Characterization of *Enterococcus rotai* CMTB-CA6, a Potential Probiotic Strain from a Medicinal Plant *Centella asiatica*

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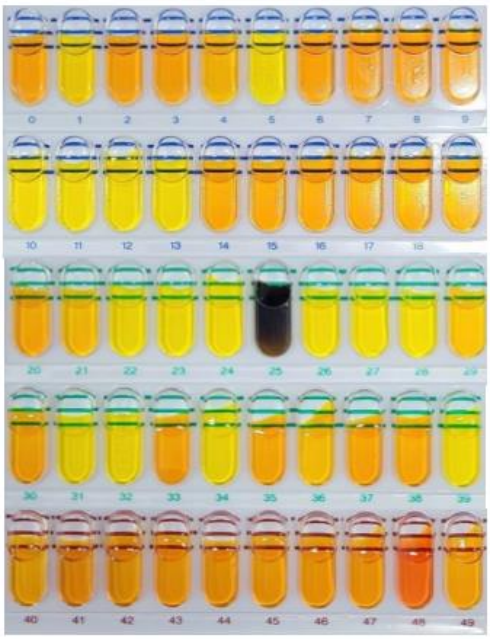
1. Supplementary Figure

A **API 50CHE**



B

API 50CHE characteristic	CMTB-CA6
Glycerol	+
Erythritol	-
D-Arabinose	-
L-Arabinose	-
Ribose	+
D-Xylose	-
L-Xylose	-
Adonitol	-
B-Methyl-Xyloside	-
Galactose	+
D-Glucose	+
D-Fructose	+
D-Mannose	+
L-Sorbose	-
Rhamnose	-
Dulcitol	-
Inositol	-
Mannitol	-
Sorbitol	-
α-Methyl-D-Mannose	-
α-Methyl-D-Glucoside	-
N-Acetyl glucosamine	+
Amygdaline	+
Arbutine	+
Esculine	+
Salicine	+
Cellobiose	+
Maltose	+
Lactose	-
Melibiose	-
Saccharose	+
Trehalose	+
Inuline	-
Melezitose	+
D-Raffinose	-
Amidon	-
Glycogen	-
Xylitol	-
β-Gentiobiose	+
D-Turanose	-
D-Lyxose	-
D-Tagatose	-
D-Fucose	-
L-Fucose	-
D-Arabitol	-
L-Arabitol	-
Gluconate	-
2 ceto-gluconate	-
5 ceto-gluconate	-

C

API 20E characteristic	CMTB-CA6
β-galactosidase	-
Arginine dihydrolase	+
Lysine decarboxylase	-
Ornithine decarboxylase	-
Citrate utilization	-
H_2S production	-
Urease	-
Tryptophane desaminase	-
Indole production	-
Acetoin production	+
Gelatinase	-
Glucose	+
Mannitol	+
Inositol	+
Sorbitol	+
Rhamnose	+
Sucrose	+
Melibiose	+
Arabinose	+
Cytochrome oxidase	-

Supplementary Figure S1. Biochemical tests for rapid identification of the CMTB-CA6 strain. Using the analytical profile index (API) 50CHE **(A, B)** and 20E **(C)** systems, the enzymatic activities of the CMTB-CA6 strain were assessed. The reactions occurred under anaerobic conditions, and the results were interpreted after 48 h of incubation. A positive reaction is indicated by "+," whereas a negative reaction is indicated by "–."

2. **Supplementary Table**

Supplementary Table S1. The nucleotide identity scores for comparison of the 16S ribosomal RNA (rRNA) gene sequences between CMTB-CA6 and *Enterococcus* spp. strains.

Rank	Matched bacterial strains	Accession Id	% identity	Total Score	E value
1	*Enterococcus rotai* strain LMG 26678	CP013655.1	99.8	2745	0
2	*Enterococcus rotai* strain CCM 4630	NR_108137.1	99.8	2745	0
3	*Enterococcus* sp. P7644	AJ276462.1	99.8	2745	0
4	*Enterococcus silesiacus* strain LMG 23085	CP013614.1	99.73	2739	0
5	*Enterococcus silesiacus* strain R-23712	NR_042405.1	99.73	2739	0
6	*Enterococcus silesiacus* LMG 23084	AM039967.1	99.67	2736	0
7	*Enterococcus crotali* ETRF1	NR_156980.1	99.93	2730	0
8	*Enterococcus ureilyticus* CCM 4629	NR_125485.1	99.6	2728	0
9	*Enterococcus caccae* 2215-02	NR_043285.1	99.87	2724	0
10	*Enterococcus* sp. HAMBI3059	FN822762.1	99.86	2721	0