

Supplementary Table 1. BLASTn search results of the gene coding 3-oxoacyl-[acyl-carrier-protein] synthase III C-terminal domain-containing protein (WP_165842990.1) in NCBI

Bacterial species	Max score	Total score	Query cover	E-value	Per. Ident	Accession no.
<i>Paracidovorax citrulli</i> KACC17005	1,873	1,873	100%	0.0	100.00%	CP023687.1
<i>Paracidovorax citrulli</i> NWB SC074	1,873	1,873	100%	0.0	100.00%	CP042302.1
<i>Paracidovorax citrulli</i> AAC00-1	1,873	1,873	100%	0.0	100.00%	CP000512.1
<i>Paracidovorax citrulli</i> M6	1,837	1,837	100%	0.0	93.23%	CP029373.1
<i>Paracidovorax citrulli</i> NWB SC107	1,837	1,837	100%	0.0	93.23%	CP042303.1
<i>Paracidovorax citrulli</i> NWB SC196	1,837	1,837	100%	0.0	93.23%	CP042303.1
<i>Paracidovorax citrulli</i> HPP21-3-3B	1,837	1,837	100%	0.0	93.23%	CP086023.1
<i>Paracidovorax citrulli</i> HPP21-9-4B	1,837	1,837	100%	0.0	93.23%	CP086060.1

Options were as follows: excluding “uncultured/environmental sample sequences” and optimized for “somewhat similar sequences.”

Supplementary Table 2. Primer and target gene information for the BLASTn search

Primer	Sequence (5'→3')	Target gene	Reference
A	RS01560-164F RS01560-164R	3-oxoacyl-[acyl-carrier-protein] synthase III C-terminal domain-containing protein	This study
B	WFB1 WFB2	16S rDNA	Walcott and Gitaitis (2000)
C	SEQID4 SEQID5	16S-23S ITS	Schaad et al. (2000)
D	BX-L1 BX-S-R2	Rep-PCR fragments	Bahar et al. (2008)
E	HB2F2 HB2R2	hrpB2	Öztürk and Basim (2022)
F	AC158F AC158R	YD-repeat protein gene	Cho et al. (2015)
G	<i>A. citrulli</i> -FP <i>A. citrulli</i> -RP	Hypothetical protein (Aave_1909)	Tian et al. (2016)

References

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- Öztürk, N. and Basim, H. 2022. A real-time PCR assay using locked nucleic acid probe for detection of *Acidovorax citrulli*. *J. Plant Dis. Prot.* 129:395-409.
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- Walcott, R. R. and Gitaitis, R. D. 2000. Detection of *Acidovorax avenae* subsp. *citrulli* in watermelon seed using immunomagnetic separation and the polymerase chain reaction. *Plant Dis.* 84:470-474.