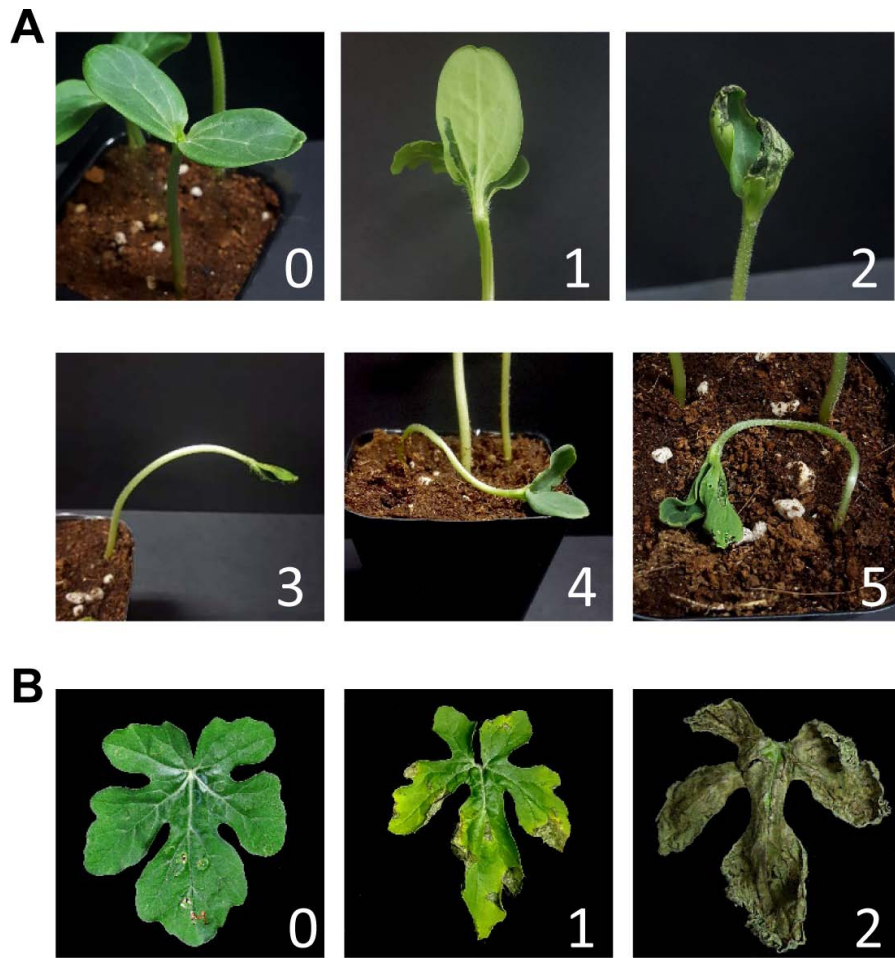


**Supplementary Table 1.** List of primers used in this study

No.	Gene name	Forward (5'→3')	Reverse (5'→3')	Sources
1	Aave_0277	CACCGAATTCATGAGAAAAAGAACTAGCCAGCTGT	GGATCCGGCAGGCCTGCCCGCAGCCCCGGCCT	Eckshain-Levi et al. (2014)*
2	Aave_1373	CTACAAGCTTATGACCAACGTCCTCAAACGGCTACCCG	CTACGGATCCTTACCTCCTTCTCTGGGATACCAA	This study
3	Aave_1548	CACCGAATTCATGCCTCTACAGTCCATTTCAT	GGATCCTGGTTGATCCCCCGTCCGAGCAT	Eckshain-Levi et al. (2014)
4	Aave_2166+upstream	CTACAAGCTTATAAGCGGCTCCAGCATTCCTCCT	GGATCCTGGTTGATCCCCCGTCCGAGCAT	Eckshain-Levi et al. (2014)
5	Aave_2173	CACCGAATTCATGCTGGAGAAAAAGAGGCAGGT	GGATCCGGCAAACATGCTGCACCTTTGGAGGA	Eckshain-Levi et al. (2014)
6	Aave_2708(2938)	CACCGAATTCATGGGTCTATGGGTTTCAAA	GGATCCTGACTGGCGATCAGAGATAGCT	Eckshain-Levi et al. (2014)
7	Aave_2801	CTACAAGCTTATGCTGGAGCGCGCCCTCGCCGAA	CTACGGATCCTCAGTCCGGGCCGAGTCTCTGCGG	This study
8	Aave_2802	ATGACCTTCCCTGCAATTTCCCG	TCACACCGGGCGGAATGGC	This study
9	Aave_2876	CACCGAATTCGTGAACGTCCATCTGCATGCCA	GGATCCGTCGTTCCGGTAACCTGAATAAT	Eckshain-Levi et al. (2014)
10	Aave_3062	GAATTCATGACAGACAGACTCAGCCG	GGATCCAGTCAGTGAACACTATGGGGCGG	Eckshain-Levi et al. (2014)
11	Aave_3237	CACCGAATTCATGCAACGAAAGAAACACGACGA	GGATCCGGGGCGCCTGCAGTCGCTGCAGCA	Eckshain-Levi et al. (2014)
12	Aave_3452	CACCGAATTCATGGCAACTTTTCATCATCTCGTCCAT	GGATCCGGACGTTCTCCGGGGAGCCGGCA	Eckshain-Levi et al. (2014)
13	Aave_3462	CACCGAATTCATGCCCGTTCGGTCACATCCT	GGATCCGTGCCGATACCAGTCGGCGCA	Eckshain-Levi et al. (2014)
14	Aave_3501	CTACAAGCTTATGGGATGCCAGGATCCAAATCG	CTACGGATCCTCAGGACAGGTCAGGCAAAATGCAT	This study
15	Aave_3502	ATGCCGCACGTTTATTGC	CTATGAGCAGTCGATGGGAGACAC	This study
16	Aave_4606	CTACAAGCTTATGGCCCGCCGGGGGCGCCCGCC	CTACGGATCCTCAATACAGGGGGGGCGCTGGGC	This study
17	Aave_4728	CACCGAATTCATGTCTGCGATCAACAGTTCTCT	GGATCCGGGGGCCACGGGCGCTGGCGCGGAA	Eckshain-Levi et al. (2014)

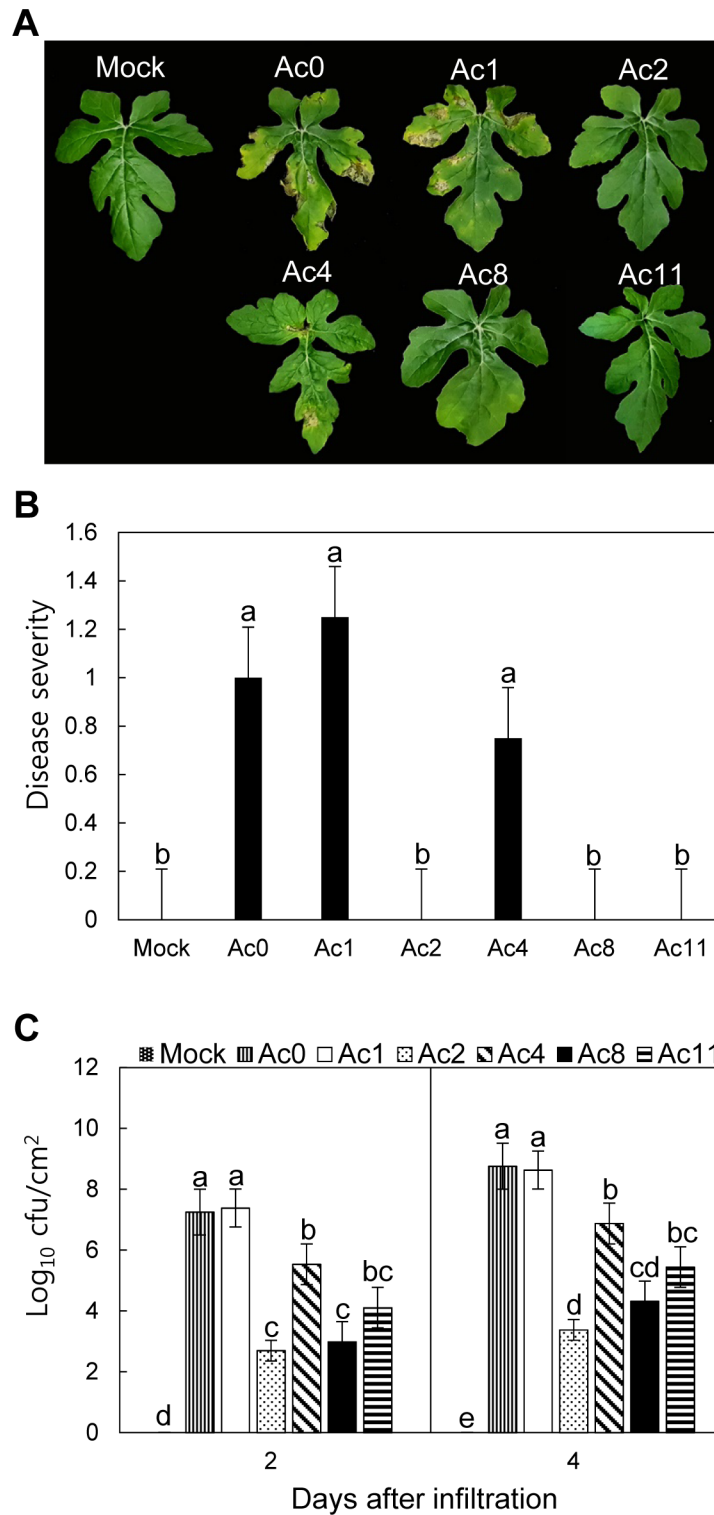


**Supplementary Fig. 1.** The representative photos for each disease severity index in watermelon after inoculation of *A. citrulli* into seedlings (A) and leaves (B). The numbers indicate each disease index, as described in Materials and Methods.

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## Reference

Eckshtain-Levi, N., Munitz, T., Živanović, M., Traore, S. M., Spröer, C., Zhao, B., Welbaum, G., Walcott, R., Sikorski, J. and Burdman, S. 2014. Comparative analysis of type III secreted effector genes reflects divergence of *Acidovorax citrulli* strains into three distinct lineages. *Phytopathology* 104:1152-1162.



**Supplementary Fig. 2.** Virulence of *A. citrulli* isolates infiltrated by vacuum. (A) Symptoms in watermelon leaves. Three-weeks-old watermelon plants were vacuum-infiltrated with  $10^4$  cfu/ml (+0.02% silwet) of bacterial isolates for 3 minutes. The photos were taken at 6 days after infiltration. (B) Bacterial growth in the watermelon leaves. Y-axis indicate the average of  $\text{Log}_{10}\text{cfu}/\text{cm}^2$  in the infected watermelon leaves. Bars represent the standard error ( $n = 9$ ; 9 leaf discs/treatment) and the letters on top of error bars show results from Duncan's multiple range test ( $P < 0.05$ ).