

Table 1. | Oligonucleotide primers used for qRT-PCR in this study.

| Name | Sequence (5'–3') |
|-----------------|-----------------------------|
| <i>Actin</i> -F | TGGGATGATATGGAGAAGATATGG |
| <i>Actin</i> -R | GGCTTCAGT TAGGAGGACAGGA |
| <i>lea</i> -F | GTCCAATCTCCTCCAA |
| <i>lea</i> -R | CAGGGTAAT CGCATCAG |
| <i>tdi65</i> -F | CGTCCTCTGTTGTCCC |
| <i>tdi65</i> -R | AGTGAAGGCAATGAAGC |
| <i>ltpg2</i> -F | TACTGGACC GTTGAGCA |
| <i>ltpg2</i> -R | GGTGTGTTGGTGGTGTTA |
| <i>nced1</i> -F | AGGCAACAGTGAAACTTCCATCAAG |
| <i>nced1</i> -R | TCCATTAAAGAGGATATTACCGGGGAC |

Table S2 | Drought tolerance efficacy of wild isolates under greenhouse conditions.

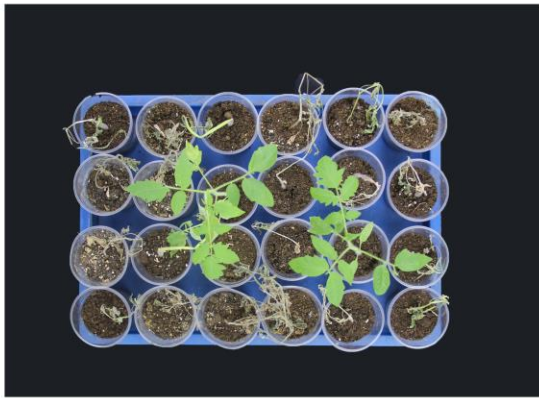
| Strains | Possible Species | Drought Tolerance Efficacy* |
|---------|-----------------------------------|-----------------------------|
| – | – | + |
| Blt-11 | <i>Acinetobacter</i> sp. | ++ |
| HS1-1 | <i>Acinetobacter</i> sp. | +++ |
| DS19 | <i>Arthrobacter globiformis</i> | + |
| HS23-4 | <i>Arthrobacter globiformis</i> | ++ |
| 54 | <i>Bacillus amyloliquefaciens</i> | ++++ |
| 2YN11 | <i>Bacillus amyloliquefaciens</i> | ++ |
| 5YN11 | <i>Bacillus amyloliquefaciens</i> | ++ |
| HSSN09 | <i>Bacillus amyloliquefaciens</i> | ++ |
| W13-3 | <i>Bacillus cereus</i> | ++ |
| Blgb-12 | <i>Bacillus cereus</i> | ++ |
| DS38 | <i>Bacillus cereus</i> | ++ |
| HYN1 | <i>Bacillus cereus</i> | + |
| HS10 | <i>Bacillus licheniformis</i> | + |
| 31 | <i>Bacillus megaterium</i> | ++ |
| 3BS3 | <i>Bacillus megaterium</i> | ++ |
| HS15 | <i>Bacillus megaterium</i> | ++ |
| DS58 | <i>Bacillus pocheonensis</i> | + |
| Ljb-10 | <i>Bacillus pumilus</i> | ++ |
| DS22 | <i>Bacillus pumilus</i> | + |
| YF31 | <i>Bacillus</i> sp. | ++ |
| Lgn-13 | <i>Bacillus</i> sp. | +++ |
| Lgn-3 | <i>Bacillus</i> sp. | ++ |
| Lgn-4 | <i>Bacillus</i> sp. | + |
| DSSN12 | <i>Bacillus subtilis</i> | + |
| Blgb-17 | <i>Bacillus subtilis</i> | ++ |
| 1BQN14 | <i>Enterobacter asburiae</i> | ++ |
| YT8 | <i>Enterobacter ludwigii</i> | ++ |
| 3BJN7 | <i>Enterobacter</i> sp. | ++ |

Lgn-6

Enterobacter sp.

+ +

*Drought tolerance efficacy: Classification of isolates according to survival rate of tomato plant after 15 days of drought treatment and then 5 days of rewatering, where (+) 0-20%; (++) 21%-40%; (+++) 41%-60%; (++++) \geq 61%.



CK



54



$\Delta abrB$



$\Delta ywcC$



$\Delta epsA-O$



$\Delta tasA$

Figure S1. Biofilm formation is positively involved in *B. amyloliquefaciens* 54-mediated drought tolerance of tomato plants. Photographs of each treatment were taken after 15 days of drought treatment and then 5 days of rewatering.