**Supplementary Material**

**Table 1 Primers used for the gene expression assay in cucumber leaves by real-time qPCR**

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| Gene | Accession No. | Full name of gene | Forward primer | Reverse primer | Product size (bp) |
| *FBPA* | GT564642.1 | Fructose-1,6-bisphosphate aldolase | 5’-GCACAGAAAGTTTGGGCAGA-3’ | 5’-TATGCTTCCGGCTCGTATGT-3’ | 212 |
| *TPI* | XM\_004143068.3 | Triosephosphate | 5’-TCTCCAGCTGGGACAATGTT-3’ | 5’-ATATCCACGAACTCCGGCTT-3’ | 248 |
| *SBPase* | NM\_001280729.1 | Sedoheptulose-1,7-bisphosphatase | 5’-TGCTCTGAAGAAGTGCCAGA-3’ | 5’-GTAAACTCCCATGGCAGCAG-3’ | 178 |
| *FBPase* | XM\_004137013.3 | Fructose 1,6-bisphosphatase | 5’-TTCGACTGGCCAGAAGGATT-3’ | 5’-GCTTACCTGGCTGCAATGAA-3’ | 245 |
| *actin* | XM\_004136807.3 |  | 5’-AGCAACTGGGATGACATGGA-3’ | 5’-CCCTCGTATATGGGCACTGT-3’ | 226 |