**Table S1 Primer used for qRT-PCR**

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| Gene | Forward primer | Reverse Primer |
| *AtACTIN2* | TTGACTACGAGCAGGAGATGG | ACAAACGAGGGCTGGAACAAG |
| *ACO2* | TGGAACAAAAGGCCCAACCT | GAAGCTGGAGACCACTGACC |
| *ACS2* | TGTTTGACAAGCAACGCTGG | CGTCCATGTTGGCAAAGCAA |
| *ERF72* | CCGATTATGCCCCTCTCGTC | CACTGCCTCCTCTTTCACGT |
| *ERF73* | ATGGCGTCTTTGACTGCTCA | TCTGATGCTGAGCCTGAAGC |
| *EIN3* | TGCGTTGATGCAACACTGTG | GCAGTCAAAACGCCGACTTT |
| *ATG2* | AATGGATAGCAAGTGGAAGC | AGATAGACCTACCGTTAGCC |
| *ATG5* | ACTGATACCATGTGAAGGAG | GTATAGGCATCAAGATCACC |
| *ATG7* | GAAGATTGTCTAGGTCGTGG | CCTGCTTTCTCTTGTATCGG |
| *ATG8e* | CTGAAGCTGGAAGGATCAGG | GCTTGACATTAGCTCTCCTG |
| *ATG10* | ATCATACAAGGTTCCTGTGC | GATGTAGCTTGAACCATGGC |
| *SOD1* | ACAAGTTTGTACAAAAAAGCAGGCT | ACCACTTTGTACAAGAAAGCTGGGT |
| *CAT1* | AGGAGCCAATCACAGCC | TCAAGACCAAGCGACCA |
| *GST1* | AGGAGCCAATCACAGCC | GAAGATCGACCAAAGTGAAGTG |