**Supplementary Material**

**Table 1 Real-time PCR primers**

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| Gene name | Primer sequence(5’ to 3’) |
| *VvBAP1* | FP: CAGGTTGAGGGACGACAAGRP: CAAACTTGAACCGTCCGATA |
| *VvACTIN* | FP: ATAGAAGCAGCAAGGGARP: TGAGGCTCTTACTAATG |
| *AtCu/ZnSOD* | FP: CTGCATCTCTACTGGACCTCRP: CCACATCCAACTCTCGAGC |
| *AtPOD2* | FP: GTTTACCCGACCCTACACTCRP: ATCCTATTCATTGCCTCCAC |
| *AtCAT1* | FP: GTCCTGGGATTCAGACAGGCRP: GGCCTCACGTTAAGACGAGT |
| *AtCAT2* | FP: ATCCTTACAAGTATCGTCCAGCTAGRP: CTGAGACCAGTAAGAGATCCAGATA |
| *AtCAT3* | FP: AGGCCAATCTCCATATAAGCRP: ACGACCACCATAAATCTTAG |
| *AtAPX1* | FP: GCTGGAGGGGTCGCATTRP: CAAATCGCAACCCACCG |
| *AtAPX2* | FP: GATAGGTTCTCCATTCTCTTTAGGRP: TCTTGTACTCTTCTTTCACTTCCG |
| *AtHSFA2* | FP: CGCCTTTCCATTGGGACARP: GTAGCATTACCATAACTTAGACCGC |
| *AtHSFB1* | FP: AAGACTGTTCAAACCAGCGTGTRP: CCTTCTGGACCTTCTTCACCTTT |
| *AtHSFB2a* | FP: TGTTCTTTTTCAGTTTTGTTTTCTTCRP: TCCCTACCTCATTTCTCGTTTATTA |
| *AtHSP70* | FP: TTTGCTTGAGATTCTAGTTGGTTTCRP: GTCTTTCATAGGTCAGAGCGAGTT |
| *AtHSP101* | FP: AACTCAACGAAACAAACCCAGRP: ATTGTCTCGTTTGTCTTGTGTGT |
| *AtACTIN* | FP: GGTAACATTGTGCTCAGTGGTGGRP: CACGACCTTAATCTTCATGCTGC |