

Supplementary Material

Endogenous accumulation of glycine betaine confers improved low temperature resistance on transplastomic potato plants

Qiping Song^A, Lili You^B, Yang Liu^A, Jiang Zhang^{B,C} and Xinghong Yang^{A,C}

^ACollege of Life Science, State Key Laboratory of Crop Biology, Shandong Key Laboratory of Crop Biology, Shandong Agricultural University, Taian 271018, China.

^BState Key Laboratory of Biocatalysis and Enzyme Engineering, College of Life Sciences, Hubei University, Wuhan 430062, China.

^CCorresponding author. Email: xhyang@sdau.edu.cn; zhangjiang@hubu.edu.cn

Table S1.

StACTIN	F- GAGACCTTTGCTGAATACCCAC R- TCACTTTGGCACCAGTTGG
StDHN2	F- AACAGAACAAGCCATCAGT R- AATTGCCTCTTCTTCATGAGC
StP5CS	F- CGATCCACAATCAGAGCTAATTC R- GCAGTCATACCACCTCTTCCA
StPI	F- GGCTCTATCCATGCGTTTCTTT R- GTCTCACAGACCGAAGCACAA
Stcp60	F- GTTGGAAGGAAGGGTGTGTG R- CGGTAACAAAGTAAGGAGCGAAG
StAldolase	F- TCATGCAGGGCTGGTTCTTGCTC R- ACAAATCCTGCAGCTTCTTGGTC

StCytb6f	F- AAGTTCATTTGCCCTTGCCAT R- ATCATCAATGTCTGCATGAGCC
StRubisco	F- TGCACCTCCGGGTATTAGCAA R- AGTGAAATAAATACCGCGACT
StFBPase	F- ATGGCTTGTAACAGATTGCT R- ACTGCCACAGGTACATCCTC
StPGK1	F- AGGCCATTTGCTGCTATTGTG R- AACTGAAAGACCCTGAGCCTT
StLTO1	F- ACTCTCAGCCTACAAACACAGGTC R- AACACCAGAAAGCCCCATACA
StAPX3	F- ATAATGGCTTGAAAATCGCTCT R- ACAAATTCAATAGTCGGACCAC
StDHAR1	F- CAAATGGTTCTTGGAGGTGA R- GGGAGCAATGAGAGAGGGA
StDHAR2	F- TCCGCTGACAACTCCTCCT R- GCTCATCAAGTAAAGCCTGCTC
StGMHase	F- ACCCTCAGTGTCCCAAAGC R- CAAGAAGTTCAGCATCACCTCA
StPOD47	F- GATGCACTTCCACGATTGCTT R- AGAATATCAGCACAAGAGACGAC
StSOD (Cu/Zn)	F- TGGCACCATCCTCTTCACTCA R- ACCTCATCTTCAGGAGCACCA
StCAT1	F- ACTAATCATAGTCACGCGACCA R- TCTACATCCTCGGGGTCCA
StCAT2	F- CTGAAGCCAAATCCTAAGTCCC R- CAGACCCGTCCATATGCCTGT
StCAT3	F- TGATGATCTGGGCATTCCACA R- TATGATTTGCTCCACCGACCT