



**Supplementary Table S1.** Primers used for quantitative real-time PCR.

<b>Gene</b>	<b>Forward primer</b>	<b>Reverse prime</b>
<i>AtACTIN2</i>	GGTAACATTGTGCTCAGTGGTGG	AACGACCTTAATCTTCATGCTGC
<i>AtCAT</i>	AATATGCTGACGATGAGGATGC	CAAGAATCAAGGAGGTAGGAGATG
<i>AtNF-YC3</i>	AGCTTACGTAAAGGTCTTGG	CGGGTACCCATAACCATTC
<i>AtPOD</i>	CGTGCCCTTCATATTGTTGG	GACGCCATCAACAACGAGTC
<i>AtSOD</i>	AGGAAACATCACTGTTGGAGAT	GAGTTTGGTCCAGTAGAGGGAA

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**Supplementary Table S2.** Primers used for gene cloning.

<b>Gene</b>	<b>primers</b>
<i>AtNF-YC3</i> - pBI121	5'-CACGGGGGACTCTAGAATGGATCAACAAGGACAATCATCAG-3' 5'-GACCACCCGGGGATCCATTGTCAGGATCCTGCTGCTCAG-3'
<i>AtNF-YC3</i> - pGADT7	5'-GGAGGCCAGTGAATTCATGGATCAACAAGGACAATCATCAG-3' 5'-CGAGCTCGATGGATCCCTAATTGTCAGGATCCTGCTGC-3'
<i>AtNF-YC3</i> - pGEX-4T-1	5'-TGGATCCCCGGAATTCATGGATCAACAAGGACAATCATCAG-3' 5'-GGCCGCTCGAGTCGACCTAATTGTCAGGATCCTGCTGC-3'
<i>AtNF-YC3</i> - pMD18T	5'-ATGGATCAACAAGGACAATCATCAG-3' 5'-CTAATTGTCAGGATCCTGCTGCTCAG-3'
<i>AtNF-YC3</i> - YNE	5'-CGCCACTAGTGGATCCATGGATCAACAAGGACAATCATCAG-3' 5'-TCCATCCCGGGAGCGGTACCATTGTCAGGATCCTGCTGCTCAG-3'
<i>PeCPK21</i> - pFN19K	5'-TTCAGAGCGATAACGCGATGGGTTGTTTTAGTAGCAA-3' 5'-CGAGCCCGAATTCGTTTTTAATAGAGGCTCGGTGC-3'
<i>PeCPK21</i> - pGBKT7	5'-CATGGAGGCCGAATTCATGGGTTGTTTTAGTAGCAAAGA-3' 5'-GCAGGTCGACGGATCCTTAATAGAGGCTCGGTGCAGG-3'
<i>PeCPK21</i> - YCE	5'-CGCCACTAGTGGATCCATGGGTTGTTTTAGTAGCAAAGA-3' 5'-TACATCCCGGGAGCGGTACCATAGAGGCTCGGTGCAGG-3'

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**Supplementary Table S3.** Accession numbers of NF-Y orthologs.

	<b>Accession number</b>
AtNF-YC1	NP_190428.1
AtNF-YC2	NP_001077726.1
AtNF-YC3	NP_175880.1
AtNF-YC4	NP_001032130.1
AtNF-YC5	NP_199860.1
AtNF-YC6	NP_199859.1
AtNF-YC7	NP_199858.1
AtNF-YC8	NP_198143.1
AtNF-YC9	NP_172371.1
AtNF-YC11	NP_187854.2
AtNF-YC12	NP_198630.2
NtNF-YC1	XP_016511061.1
NtNF-YC9	XP_016515372.1
OsNF-YC2	XP_015628319.1
OsNF-YC4	XP_015627520.1
OsNF-YC6	XP_015611933.1
PtHAP5.3	UER43237.1
PtNF-YC1	UER43240.1
PtrNF-YC1	XP_024442550.1
PtrNF-YC2	XP_002310081.2
PtrNF-YC3	XP_002319553.1
PtrNF-YC4	XP_024438371.2
PtrNF-YC9	XP_052311030.1
ZmNF-YC1	NP_001147992.1
ZmNF-YC2	AQK81605.1
ZmNF-YC4	NP_001136950.1
ZmNF-YC6	NP_001149301.1

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