

Fig. S1 The motif analysis of the coding region of NR.



Fig. S2 The expression of the *NR* gene in randomly selected NR-silenced transformants.

The wild-type and NR-silenced strains were cultured on PDA plates for 5 days and then exposed to 42°C for 20 min. The expression levels of the *NR* genes were measured immediately after HS. The values are the means \pm SD of three independent experiments. Asterisks indicate significant differences compared to untreated strains (Student's t-test: **P < 0.01).

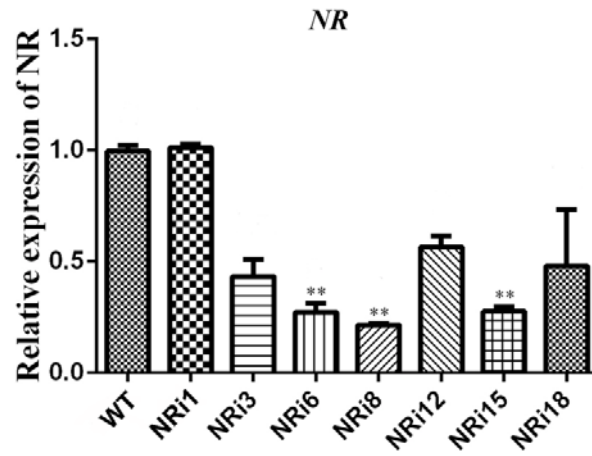


Fig. S3 The expression of the *CaM* gene in randomly selected CaM-silenced transformants.

The wild-type and CaM-silenced strains were cultured on PDA plates for 5 days and then exposed to 42°C for 20 min. The expression levels of the *CaM* genes were measured immediately after HS. The values are the means \pm SD of three independent experiments. Asterisks indicate significant differences compared to the untreated strains (Student's t-test: **P < 0.01).

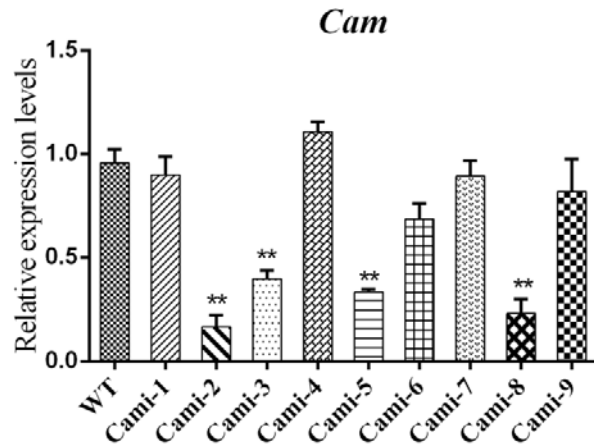


Table S1 Oligonucleotide primers used

Primer	Sequence (5' to 3')	Description
NRi-F	ATCGGGATCCATGATCACCCCTACCAAATT	Amplify the ORF of <i>NR</i>
NRi-R	ATCGTCTAGACTAGAAGATGAATAGGTCGT	
NRRT-F	TCCGCAACCACGGGAATGTC	Detects the <i>NR</i> expression
NRRT-R	CGGTTTCCGTCGCAGCCTAA	
CaMi-F	ATCGGGTACCGGCGTTCTCCCTGTTTCGA	Amplify the ORF of <i>CaM</i>
CaMi-R	ATCGACTAGTCTCGCCGAGGTTGGTCAT	
CaMRT-F	CCCCGAGTTCCTGACGATG	Detects the <i>CaM</i> expression
CaMRT-R	AGCTTCTCGCCGAGGTTGG	

Table S2 The interplays between NO and Ca²⁺ during different abiotic stresses.

Materials	Abiotic stress	The relationship between NO and Ca ²⁺	related phenotype	Reference
Animal cells	Without stress	NO to impact the release of Ca ²⁺	physiological processes	(1, 2)
Animal cells	Without stress	Promoting effects on each other	cell homeostasis	(3)
<i>Arabidopsis</i>	A high extracellular calcium treatment	Promoting effects on each other	Stomatal closure	(4)
<i>Ulva compressa</i>	Copper stress	Promoting effects on each other	Antioxidant protein gene expression	(5)
Animal cells	Without stress	Promoting effects on each other	muscular dystrophy	(6)
<i>Ganoderma lucidum</i>	Heat stress	Promoting effects on each other	Ganoderic acid biosynthesis	In present study

References

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