Table S1. Eight mutant gene list and their annotation

LOC_Os ID(MSU)	**Annotation (Description)**
LOC_Os03g31240	C2H2-type domain containing protein.
LOC_Os06g17280	PHD-finger family protein, expressed
LOC_Os10g27380	NAM protein domain containing protein.
LOC_Os10g17740	C2H2 zinc finger protein, expressed
LOC_Os04g41250	Armadillo/beta-catenin repeat family protein, putative, expressed
LOC_Os02g13890	RING/FYVE/PHD-type domain containing protein.
LOC_Os02g42370	Tyrosine protein kinase domain containing protein
LOC_Os01g02730	Similar to Receptor-like kinase
LOC_Os03g03910	Nitric oxide excess1

Table S2. Expression of *RHS1* in *A. thaliana* and rice after CySNO infiltration and itsorthologs in different plant species

	Control	**CySNO treatment**	**Log2 value**	**p-value**	
LOC_Os04g41250	6.41	5.69	-0.887	0.003389	Down-regulated
AT1G27910	9.87	46.55	2.23695	0.000544	Up-regulated
Species	**Orthologous gene**		**Putative function**		
Arabidopsis	*AT1G27910*		Plant U-box 45		
Brachypodium	*Bradi5g14110*		Ubiquitin-protein ligase		
Maize	*GRMZM2G135629*		Ubiquitin-protein ligase		
Maize	*GRMZM2G389789*		Ubiquitin-protein ligase		
Rice	*LOC_Os04g41250*		Armadillo/beta-catenin repeat family protein, putative, expressed		

Table S3. Primer sequences used for qRT-PCR in the study

OsNOA1	*LOC_Os02g01440*	AGAGAAGTTGGAGTTACATTGAC	ACTCTCAAATGCAGTTCACCAC
OsNIA1	*AK102178*	TCA AGG TGT GGT ACG TGG TG	CGA GGT CAT AGC CCA TCT TC
OsNIA2	*AK102363*	TGT ACC AGG TCA TCC AGT CG	CGA TGA CGT ACC ACA CCT TG
OsGSNOR	*LOC_Os02g57040*	TGTCTGGAAGGGAACAGCTT	CTTCATGCAGCAGGTCAAAC
SHAT1	*LOC_Os04g55560*	CAACCGCTACAGCAGCTGCA	GACGATGAATGCAGCGATCTTG
Sh4	*LOC_Os04g57530*	ACCAGTGCAATGACAAGTGG	GAGAGCACCTCGGAGAGC
qSH1	*LOC_Os01g62920*	ACCGGCAGTACTACCAGCAG	ACGGCGATCTCCTTGTTTAG
OsPR1a	*LOC_Os07g03710*	AGTTCGTCGAGCAGGTTATCCT	AGATTGGCCGACGAAGTTG
OsPR10b	*LOC_Os12g36850*	TGTGGAAGGTCTGCTTGGA	CACTCGTGAAGCAAAAACACA
OsNH1	*LOC_Os01g09800*	CTGATCCGGTTTCCCTCGGA	GACCTGTCATTCTCCTCCTTG
OsWRKY45	*LOC_Os05g25770*	GGACCAGGGCGATGTCACGT	TGTCCATCCATGATTCTTCGGTGA
OsJAZ1	*LOC_Os04g55920*	CCCGGAGATGCCGAT	CATACTATGCATAGAAATGGAGAC
OsJAZ5	*AK061842*	TTCACCGGTTCCTCGAGA	TGAGGTTTCTTGGGTTGTACTG
OsJAZ8	*LOC_Os09g26780*	AAAGCGACGAAAGTGCAAGT	TCGCCTGTGCTTACGATTTG
OsRSH1	*LOC_Os04g41250*	CAACACATCCATGTGCTCAA	GATTGAAGGAGCCAACCCTA
OsUBI	*Os03g0234350*	GACGGACGCACCCTGGCTGACTAC	TGCTGCCAATTACCATATACCACGAC

Table S4. Evaluation of biomass of rice seedlings exposed to nitosative stress

Treatment	WT(Dong-jin)		*rhs1*	
	Shoot length (cm)	Fresh biomass (g/plant)	Shoot length (cm)	Fresh biomass (g/plant)
CySNO (0 Mm)	4.80 ± 0.40 [a]	0.360 ± 0.034 [a]	4.78 ± 0.60 [c]	0.381 ± 0.010 [a]
CySNO (10mM)	4.40 ± 0.13 [ab]	0.324 ± 0.015 [b]	2.93 ± 0.83 [c]	0.276 ± 0.005 [c]
CySNO (50mM)	4.39 ± 0.17 [ab]	0.320 ± 0.008 [b]	2.90 ± 0.92 [c]	0.273 ± 0.005 [c]