

**Table S1** The primers of RT-qPCR used in this study

Analysis		Primer name	Sequence(5'-3')	Tm/ °C	Amplicon size/bp
<i>CsPR2</i>	for	<i>CsPR2</i> -F	AAGACAACATCCTCAACTTTGC	58	192
qRT-RCR	in	<i>CsPR2</i> -R	CTGCTGAAAGAATTCCAGTGTG	58	
transgenic cucumber					
<i>CsPR3</i>	for	<i>CsPR3</i> -F	CATTCTCTCATCCTTTGGCAG	60	287
qRT-RCR	in	<i>CsPR3</i> -R	GATATCGAAATCAACGCCATCC	60	
transgenic cucumber					
<i>CsPYL2</i>	for	<i>CsPYL2</i> -F	CAGAAATCATTGATGGACGACC	60	143
qRT-RCR	in	<i>CsPYL2</i> -R	TGAAACATCAGCAAGTGAAGTTG	60	
transgenic cucumber					
<i>CsPP2C2</i>	for	<i>CsPP2C2</i> -F	TATTCCTGATCCAGAAGTCATG	60	227
qRT-RCR	in	<i>CsPP2C2</i> -R	CAAGCATTGAGAGGTAATCTGC	60	
transgenic cucumber					
<i>CsSnRK2.2</i>	for	<i>CsSnRK2.2</i> -F	GCAGATCCAGAGACGAGAATAA	58	140
qRT-RCR	in	<i>CsSnRK2.2</i> -R	TCAATACTCTGTGTTGCCTCAT	58	
transgenic cucumber					
<i>CsABI5</i>	for	<i>CsABI5</i> -F	GAATCGCCATTACAGTCTGAAC	58	95
qRT-RCR	in	<i>CsABI5</i> -R	AACTCATCCAATGTGAGTGAGT	58	
transgenic cucumber					
<i>CsRbohD</i>	for	<i>CsRbohD</i> -F	GCGTAACATTACTGGTGATTCC	58	132
qRT-RCR	in	<i>CsRbohD</i> -R	ATTCTTCCATCAGCATCCGTAT	58	
transgenic cucumber					
<i>CsRbohF</i>	for	<i>CsRbohF</i> -F	ATCGGACGATATTACACAGCTT	58	94
qRT-RCR	in	<i>CsRbohF</i> -R	TTGTACATCAAGCGTCACCT	58	
transgenic cucumber					
Cucumber		Actin-F	TCGTGCTGGATTCTGGTG	60	161
<i>CsActin</i> gene for and qRT-PCR		Actin-R	GGCAGTGGTGGTGAACAT	60	

**Table S2** List of primers used in the study

Analysis	Primer name	Sequence(5'-3')	Tm	Amplicon size
Sequencing of the cDNA of <i>CsROP5</i>	<i>CsROP5</i> -F	CATATGCCC <u>GTCGAC</u> ATGAGCGCTT	60	591
	<i>CsROP5</i> -R	CAAGGTTC		
		GCTCACCAT <u>GGATCCT</u> AATATCGAG	60	
		CATGCTTTC		
Sequencing of the cDNA of <i>CsROP10</i>	<i>CsROP10</i> -F	CATATGCCC <u>GTCGAC</u> ATGGCTTCCA	60	630
	<i>CsROP10</i> -R	GTGCTTCA		
		GCTCACCAT <u>GGATCC</u> ACTTTGCCTC	60	
		GTAAGGTTTC		
RT-qPCR for <i>CsROP5</i>	<i>CsROP5</i> -qF	TGCTCCAGGAGTGCCTATTGTTC	60	125
	<i>CsROP5</i> -qR	GCTTTCTAAGCTCCTCTCCCTGAG	60	
RT-qPCR for <i>CsROP10</i>	<i>CsROP10</i> -qF	CGTTAGTTAGCCGAGCGAGTTACG	60	61
	<i>CsROP10</i> -qR	TGTTGAAGCTCCGGAATCCACTTC	60	
<i>CsROP5</i> -silencing vector	<i>CsROP5</i> -TF	GTGAGTAAGGTTACCGAATTCGCAG	60	214 bp
	<i>CsROP5</i> -TR	TTCTTTATTGATC		
		GGCCTCGAGACGCGT <u>GAGCTCT</u> AAT	60	
		ATCGAGCATGCTTTC		
<i>CsROP10</i> -silencing vector	<i>CsROP10</i> -TF	GTGAGTAAGGTTACCGAATTCGCAG	60	202
	<i>CsROP10</i> -TR	GGTGAGGAACTC		
		GGCCTCGAGACGCGT <u>GAGCTC</u> ACTT	60	
		TGCCTCGTAAGGTTTC		
<i>CsROP5</i> -overexpression vector	<i>CsROP5</i> -GF	CATATGCCC <u>GTCGAC</u> ATGAGCGCTT	60	591
	<i>CsROP5</i> -GR	CAAGGTTC		
		GCTCACCAT <u>GGATCCT</u> AATATCGAG	60	
		CATGCTTTC		
<i>CsROP10</i> -overexpression vector	<i>CsROP10</i> -GF	CATATGCCC <u>GTCGAC</u> ATGGCTTCCA	60	630
	<i>CsROP10</i> -GR	GTGCTTCA		
		GCTCACCAT <u>GGATCC</u> ACTTTGCCTC	60	
		GTAAGGTTTC		
Chimeric primer for <i>CsROP5</i> -nGFP	<i>CsROP5</i> -nG-F	GGGAGTTTTTGATGCAGCAATTAG	60	267
	<i>CsROP5</i> -nG-R	GGCACGGGCAGCTTGCCGGTGGTG	60	
Chimeric primer for <i>CsROP10</i> -nGFP	<i>CsROP10</i> -nG-F	CCAGCAGAATGTGAAATCAG	58	315
	<i>CsROP10</i> -nG-R	GGCACGGGCAGCTTGCCGGT	58	