

Supplementary Table S9 List of primers used in this study

Gene names	AGI number	Primer name	Ssequence (5'--3')	Product encoded
<i>ERF</i>	AT2G33710	ERF-AT2G33710-F	CGTCGCTTACTCTTCAAGAA	<i>ERF</i> (ethylene response factor) transcription factor family
		ERF-AT2G33710-R1-333bp	GATCAAGAAGTATGTCAAGGAGC	
<i>SDG3</i>	AT2G17900	SDG3- AT2G17900-F	GAAGTTACATCGCGATCAATGC	ATSDG37
		SDG3- AT2G17900-R1- 352bp	AATCCCTTGAGGTCTCAATTGC	
<i>LRR-RLK VIII</i>	AT1G53430	LRR-RLK VIII-AT1G53430-F	GTCTGTCGTGTACAAACATAC	Protein kinase superfamily protein
		LRR-RLK VIII-AT1G53430-R1-352bp	TTAAGGACTCAGGGATTGACC	
<i>LRR-RLK VIII</i>	AT1G53440	LRR-RLK VIII-AT1G53440-F	GTCTGTCGTGTACAAACATAC	Protein kinase superfamily protein
		LRR-RLK VIII-AT1G53440-R1-362bp	TTGAGATTGCTCAAGGACTCAG	
<i>LRR-RLK VIII</i>	AT3G09010	LRR-RLK VIII-AT3G09010-F	ATGGCGTTGTCTTTAAGGGAG	Protein kinase superfamily protein
		LRR-RLK VIII-AT3G09010-R1-337bp	ACAACATGAGGTTCCGACTCC	
<i>ATSGP2</i>	AT3G21700	ATSGP2-AT3G21700-F	GA AAAAAGT AGCTTCCTGGCGA	Monomeric G protein
		ATSGP2-AT3G21700-R1-305bp	CTTGGTTCCTACCATAACTGG	
<i>GTP1</i>	AT1G72660	GTP1-AT1G72660-F	CGCAGAAGAACAAGCTACAG	Small GTP-binding protein
		GTP1-AT1G72660-R1-320bp	AGCACCTTCAATAATCCCAGG	
<i>UFD1</i>	AT4G15420	UFD1-AT4G15420-F	GAGTTTACTGCTGAAGATGGC	Ubiquitin fusion degradation UFD1 family protein
		UFD1-AT4G15420-R1-326bp	TCAATGTCAGTCTCCAGAACC	
<i>ABC</i>	AT2G47000	ABC-AT2G47000-F	GCAGCTGCTTTTCTCCAATTG	ATP-BINDING CASSETTE B4
		ABC-AT2G47000-R1-654bp	CATGGATCCAGTTAAACAGCG	
<i>DHAR2</i>	AT1G75270	DHAR2-AT1G75270-F	CGACAAACCCCAATGGTTCTT	DEHYDROASCORBATE REDUCTASE 2
		DHAR2-AT1G75270 -R1- 221bp	ATCCGTCATTAGCGGCTTTTGC	
<i>RBL14</i>	AT3G17611	RBL14-AT3G17611-F	CTATAGACTACCGTGGAAACC	RHOMBOID-like protein 14
		RBL14-AT3G17611-R1-451bp	CACACTTGAGTAATCCTCAGC	
<i>LRR-RLK VIII Promoter-GUS</i>	AT1G53440	pRLK8- <i>Pst</i> I-F	TGCACTGCAGTGCAGTATGTTGCAAAAGGGTAG	Protein kinase superfamily protein
		pRLK8- <i>SpeI</i> -R	GGACTAGTCCTTCTCTCTTTTCTCTCTCGG	
<i>LRR-RLK VIII T-DNA line</i>	AT1G53430	AT1G53430- SALK_ 129312-LP	GGGAGTTGCAATTATGCTAGAAG	Protein kinase superfamily protein
		AT1G53430- SALK_ 129312-RP	ATTGGGCATATGCTTGCAAG	
<i>LRR-RLK VIII T-DNA line</i>	AT1G53440	T-DNA left-border primer (LB)	GCGTGGACCGCTTGCTGCAACT	Protein kinase superfamily protein
		AT1G53440- SALK_ 148231-LP	TTAGAAAGCAGTCGACGAACC	
<i>LRR-RLK VIII T-DNA line</i>	AT1G53440	AT1G53440- SALK_ 148231-RP	AAAGATCGTTGCAATGTTTG	Protein kinase superfamily protein
		T-DNA left-border primer (LB)	GCGTGGACCGCTTGCTGCAACT	
<i>LRR-RLK VIII T-DNA line</i>	AT1G53440	AT1G53440- SALK_ 057812-LP	ATTTACCGCTTCTTCTACCGG	Protein kinase superfamily protein
		AT1G53440- SALK_ 057812-RP	TGTTTTATTTCGGGGACTTTG	
<i>LRR-RLK VIII T-DNA line</i>	AT1G53440	T-DNA left-border primer (LB)	GCGTGGACCGCTTGCTGCAACT	Protein kinase superfamily protein