

**Primers used in the DEK48 study.**

Primer name	Primer sequences (5'-3')	Application
Dek48-F1	CCTACACCAGATCGGAAGTCCC	Genotype <i>dek48-1</i> mutant
Dek48-R1	GCACTCTGGAGATTGTCGCACT	
TIR8a	CGCCTCCATTTTCGTCTGAATCCCCTS	
TIR8b	CGCCTCCATTTTCGTCTGAATCCSCTT	
TIR8c	SGCCTCCATTTTCGTCTGAATCCCKT	
TIR8d	CGCCTCCATTTTCGTCTGAATCACCTC	Genotype <i>dek48-2</i> mutant
Dek48-F2	CCTCCATGCCTACCTCTCCTG	
Dek48-R2	TCCAAGCCACATTGTTACGGT	Genotype <i>dek48-3</i> mutant
Dek48-F3	AATGCTGCTGCCCCCTTTGACT	
Dek48-R3	CTCCGAGATTACACACAGCGA	<i>Dek48</i> cloning into pEntry vector for subcellular localization
Dek48-F4	CACCATGGCGGTGACGCAGGCGTTT	
Dek48-R4	AACCATATCAAGGGCTTCT	RT-PCR and qRT-PCR analysis of <i>Dek48</i> gene
Dek48-F5	GGAACCTACCGCACATTGATC	
Dek48-R5	CAGACAAAGTGAATGTAGTTGCCTC	<i>Dek48</i> cloning into pUNTF vector for overexpression
Dek48-F6	TTTTGGATCCATGGCGGTGAC	
Dek48-R6	TTTTCCCGGGTCACCAGTAATC	Genotype <i>Dek48</i> -OE and <i>Dek48</i> -Com
Ubi-F	CTTGATGATGGCATATGCAGC	
ZmActin-F1	TAGTTGAGAATGGCTGACGAGG	Internal normalization
ZmActin-R1	ATCTTCAGGCGAAACACGGAGC	
ZmEF1 $\alpha$ -F	TCTCAAGAACGGTGATGCTG	
ZmEF1 $\alpha$ -R	TGGGTCCTTCTTCTCCACAC	