

Table 1. List of primers used in the experiments.

Primer name	Sequence(5'-3')	Description
ZmEIL1-F	5' CGGTGGTGGTTAGTTGAGGTCACGATG 3'	RT-PCR
ZmEIL1-R	5' AACGAGGAGCCCTACAAGTTTATT 3'	
QZmEIL1-F	5' AGCCAATCAGGCAGTGAACAAT 3'	qPCR
QZmEIL1-R	5' CCTCTCCATGATGGTGACGCTG 3'	
AtEIN3-F	5' AGAACCGTTTTACCTGCGA 3'	RT-PCR
AtEIN3-R	5' CTGCTCCATACGGTAAGCGACT 3'	
AtEIL1-F	5' CAGGATAAGATGACGGCGAAAG 3'	yeast hybrid
AtEIL1-R	5' AAGAAGAAGAAAGAGGAGGGCA 3'	
JM-EIL1F	5' GCCATATGATGATGGGAGGCGGGCTGAT 3'	
JM-EIL1R	5' CGGAATTCTCAGTAGAACCAATTGGCCCCG 3'	
JM-EIL2F	5' GCCATATGATGATGGGAGGCGGGCT 3'	
JM-EIL2R	5' CGGAATTCCAGATTGTTCACTGCCTGATTG 3'	
JM-EIL3F	5' GCCATATGATGATGGGAGGCGGGCT 3'	
JM-EIL3R	5' CGGAATTCGCGTTGTTTAGCATTAGCTCT 3'	
JM-EIL4F	5' GCCATATGATGATGGGAGGCGGGCT 3'	
JM-EIL4R	5' CGGAATTCGAGGCGACGGATCTTCTCTATG 3'	
JM-EIL5F	5' GCCATATGATGATGGGAGGCGGGCT 3'	
JM-EIL5R	5' CGGAATTCGATCCCGTACACAAACCCCT 3'	
JM-EIL6F	5' GCCATATGGAGCTAATGCTAAACAACCGGG 3'	
JM-EIL6R	5' CGGAATTCAACCAATTGGCCCCGTCGTT 3'	
JM-EIL7F	5' GCCATATGCTGTACCTGAAGATGCACCCTG 3'	
JM-EIL7R	5' CGGAATTCAACCAATTGGCCCCGTCGTT 3'	

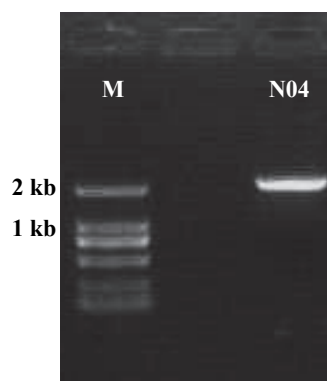


Fig. 1 Suppl. The PCR amplification of *ZmEIL1* from inbred line N04. Lane M represents DNA marker.

Integral Prediction of protein location: Nuclear with score 9.0					
Location weights:	LocDB /	PotLocDB /	Neural Nets /	Pentamers /	Integral
Nuclear	10.0 /	3.0 /	0.00 /	0.04 /	8.96
Plasma membrane	0.0 /	0.0 /	0.95 /	0.03 /	0.69
Extracellular	0.0 /	0.0 /	0.95 /	1.02 /	0.02
Cytoplasmic	0.0 /	0.0 /	0.00 /	2.15 /	0.00
Mitochondrial	0.0 /	0.0 /	0.00 /	1.42 /	0.00
Endoplasm. retic.	0.0 /	0.0 /	0.00 /	0.24 /	0.00
Peroxisomal	0.0 /	0.0 /	0.95 /	0.00 /	0.10
Golgi	0.0 /	0.0 /	0.15 /	0.26 /	0.00
Chloroplast	0.0 /	0.0 /	0.00 /	0.10 /	0.00
Vacuolar	0.0 /	0.0 /	0.00 /	0.00 /	0.23

Fig. 2 Suppl. Prediction of *ZmEIL1* protein location.

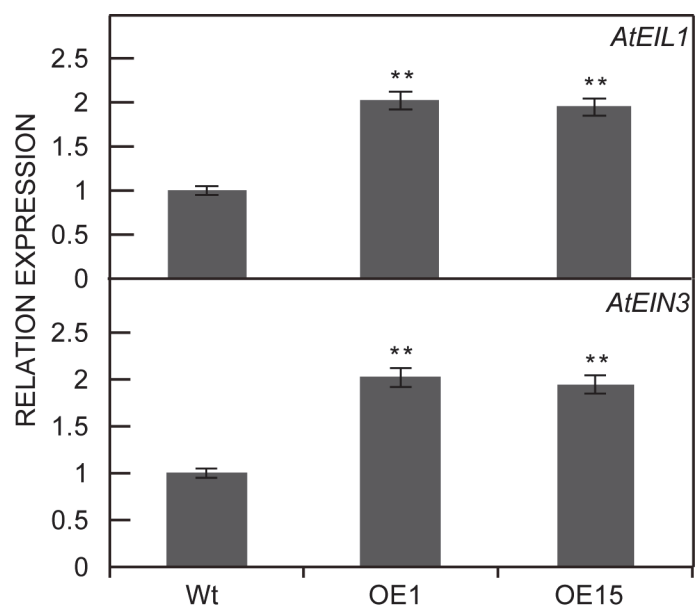


Fig. 3 Suppl. *AtEIN3* and *AtEIL1* relative expression level in *ZmERF1* transgenic *Arabidopsis* lines (OE1 and OE15) and wild type (WT). ** - significant difference from the WT at $P \leq 0.01$.