

Table S1 – Primers used and their sequences.

Primer name	5' –3'	usage
TaELP4-7B-F	ATGGCTGCACCAAACGTTTCG	Amplification of full-length cds of TaELP4-7B
TaELP4-7B-R	TTAGAAATCGAGCTGCGAGC	
VIGS-TaELP4-F	AACGCTAGCTGGACGAGCAAGTGA TGAGG	Construction of vector γ -TaELP4
VIGS-TaELP4-R	GGCGCTAGCCTGCACTAAGATTTC CACCTC	
16318h-TaELP4-7B-GFP-F	GCTGTACAAGGTCGACATGGCCGC CGCCGCCG	Construction of subcellular localization vector 35S::TaELP4-7B-GFP
16318h-TaELP4-7B-GFP-R	TACCGGATCCACTAGTGAAATCGA GCTGCGAG	
16318h-AtELP4-GFP-F	AGGACAGCCCAAGCTTATGGCTGC ACCAAACGTTTCG	Construction of subcellular localization vector 35S::AtELP4-GFP
16318h-AtELP4-GFP-R	GCAGGCATGCAAGCTTAAAATCTA GTGCTCCGGAT	
1300nGFP-8530-inF	GCTGTACAAGGTCGACATGGCCGC CGCCGCCG	Construction of transgenic vector 35S::TaELP4-7B-GFP
1300nGFP-8530-inR	TACCGGATCCACTAGTGAAATCGA GCTGCGAG	
qTaELP4-7A-F	CTCTTCGCTGCTCCCATGAA	Primers for RT-qPCR
qTaELP4-7A-R	TGCCAAGCTATCCTCAAGCC	
qTaELP4-7B-F	GCTCAGAAAGGCTCCTGGTT	
qTaELP4-7B-R	TGGGATGGACAAGGCTTAGC	
qTaELP4-7D-F	GCTCGGTCGTGATGGTCAT	
qTaELP4-7D-R	CACCGGAATTCCTCTCGTCC	
BSMV-CP-F	TGACTGCTAAGGGTGGAGGA	
BSMV-CP-R	CGGTTGAACATCACGA AGAGT	
qTaACS2-F	CTCTTCTCGTGGATGGACCT	
qTaACS2-R	ATGGTCTCGTCGTCCATGTT	
qTaACS6-F	GATTTGGTACGTACGCACTTTT	
qTaACS6-R	CTAAACCTTCCCAAACAATCGC	
qTaActin-F	GGAATCCATGAGACCACCTAC	
qTaActin-R	GACCCAGACAACCTCGCAAC	
qAtEIN2-F	CGCAAGCATCGTCCCTCACAATTT	
qAtEIN2-R	ACAAGTGACAGTCCGCTGAAGACA	
qAtEIN3-F	TCCTGCACCTTACAAGAAGCCTCA	
qAtEIN3-R	TTGCCTCACGAGCTTACGGATCTT	
qAtEIL1-F	AGCTTCAGGACACGACTCTTGGTT	
qAtEIL1-R	TTAGGCCACCAAGGTGGAGAACT	
qAtARR5-F	TGATCGGAAGTTCATCGAGCGGTT	
qAtARR5-R	TCCAGGCATAGAGTAATCCGTCA	

qAtCBF1-F	GCATGTCTCAACTTCGCTGA
qAtCBF1-R	ATCGTCTCCTCCATGTCCAG
qAtCBF2-F	TGACGTGTCCTTATGGAGCTA
qAtCBF2-R	CTGCACTCAAAAACATTTGCA
qAtCBF3-F	GATGACGACGTATCGTTATGGA
qAtCBF3-R	ACACTCGTTTCTCAGTTTACAAAC
qAtRD29A-F	GCCGAGAACTTCAGATTGG
qAtRD29A-R	CCATTCCTCCTCCTCCTTTC
qAtCOR15b-F	AAAGCAGAGTGGTGTGTTGGTACCGT
qAtCOR15b-R	TCATCGAGGATGTTGCCGTCACCT
qAtKIN1-F	ACCAACAAGAATGCCTTCCA
qAtKIN1-R	CCGCATCCGATACACTCTTT
qAtCOR47-F	CAGTGTTCGGAGAGTGTGGTG
qAtCOR47-R	ACAGCTGGTGAATCCTCTGC
qAtActin-F	GGTAACATTGTGCTCAGTGGTGG
qAtActin-R	AACGACCTTAATCTTCATGCTGC
qAtACS2-F	AGGAAGAACATTCACCTAGTCG
qAtACS2-R	CTCTAAAACCAGGAAGTCCCAT
qAtACS6-F	CTGAATTCAGACAAGCTGTAGC
qAtACS6-R	CGGGATTAGCTAAACAGAAAGC
qAtACS2-156F	TTTGGTCTCCTCAAGGTTTCTG
qAtACS2+8R	AGACCCATTTGCTGTGTCAAT
qAtACS2+784F	GAGAGGGTGGTTATGAGCG
qAtACS2+884R	AGTACGGGGAGGGAATGAG
qAtACS2+1386F	AGGAAGAACATTCACCTAGTCG
qAtACS2+1561R	CTCTAAAACCAGGAAGTCCCAT
qAtACS2+1966F	ATACTCTCCATGTGGCGCTTG
qAtACS2+2152R	TGGAGACGAGAGACCATCCT
qAtACS6-325F	TCTCAGGTCCCCCACAATGA
qAtACS6-126R	ACCGAGTATGTGGAGCGTTG
qAtACS6+42F	TTGTCTAAAATCGCCTCCGGT
qAtACS6+290R	ACGCATCAAATCTCCACAAAGC
qAtACS6+583F	CACACGAGACGGTTGCTTTC
qAtACS6+774R	CACTCCGGTTCTCCATCTCA
qAtACS6+1598F	ACCGATGGCTGCAACAACAT
qAtACS6+1713R	ATGAGGCGAGAAGAAGCCATC

Primers for ChIP-
qPCR