

Supplementary Table S1. Primers used in this study.

Atg number	Description	Primer sequence (from 5' to 3')
Genotyping		
<i>AT2G21710</i>	<i>mterf2-1</i> RP1	GCGCTTTAACTATCATCTCCCTC
	<i>mterf2-1</i> LP1	GCTACTACACCTCAACGTTTTCC
	<i>mterf2-2</i> RP2	TGAGTATCTAGAGAGCAATGGTGTG
	<i>mterf2-2</i> LP2	TGACTAGAGGCTTCCATCTTTCT
	<i>mterf2-3</i> RP3	GGAAATCAGCAATCATTTCCGCT
	<i>mterf2-3</i> LP3	TTGCAGGAGATGGGTATCCCTAA
Fluorescence localization		
<i>AT2G21710</i>	<i>mTERF2.1</i> cDNA amplified with attB1 and attB2 overhangs	GGGGACAAGTTTGTACAAAAAAGCAGG CTATGCTTCTCCACTGCAACGT GGGGACCACTTTGTACAAGAAAGCTGG GTGTTCTGTCAAATCCTCTTCT
GUS promoter assay		
<i>AT2G21710</i>	<i>mTERF2.1</i> promoter region amplified with attB1 and attB2 overhangs	GGGGACAAGTTTGTACAAAAAAGCAGG CTAAGTTATTTCTGTCTGCTTTTA GGGGACCACTTTGTACAAGAAAGCTGG GTGTTTAGAGCAACGTTGTCTGGAGAGA A
Artificial microRNA (amiRNA) construction		
<i>mterf2-amiR1</i>	I:	gaTTACTGTATCTTGTGAATCGGtctctctttgt attcc
	II:	gaCCGATTCACAAGATACAGTAAtcaaaga gaatcaatga
	III:	gaCCAATTCACAAGAAACAGTATtcacaggt cgtgatatg
	IV:	gaATACTGTTTCTTGTGAATTGGtctacatatat attcct
<i>mterf2-amiR2</i>	I:	gaTTTAGGTCTCGATTATCGCGGtctctctttgt tattcc
	II:	gaCCGCGATAATCGAGACCTAAAtcaaaga gaatcaatga
	III:	gaCCACGATAATCGACACCTAATtcacaggt cgtgatatg
	IV:	gaATTAGGTGTCGATTATCGTGGtctacatatat tattcct
pDONR207-amiR	A:	GGGGACAAGTTTGTACAAAAAAGCAGG CTCAAACACACGCTCGGACG
	B:	GGGGACCACTTTGTACAAGAAAGCTGG GTCATGGCGATGCCTTAAATA
<i>mTERF2</i> RT-PCR and real-time		TGGTTAGGAAAGGTAGATTTGGGA TGCTTCAACCACCTTACAAGA
Real-time PCR		
<i>AT4G36800</i>	"Housekeeping" gene RCE1	CTGTTACGGAACCCAATTC GGAAAAAGGTCTGACCGACA

AT3G45140	LOX2	ATTCAAAGGCAAGCTCCAAT AACACCCATTCCGGTAACAC
AT1G72520	LOX4	CCGTCATCACCACCATCATCTG CGTAGCCACCGTAAGGATATTGT
AT3G49620	DIN11	TGGATCACCTTATGAGTTTGAG CGTCAACAAGCCATAGTCAG
AT3G27690	BBX29	CTGTGAGTCTTGTTTAGCTCGT GTTCTCCTCATCGGAGAGGT
ATCG00065	<i>rps12</i> exon1	ATCCGAAACGTCACGAAATC
ATCG00905/ ATCG01230	<i>rps12</i> intron1b	TCTCACACCGGGTAAATCCT
ATCG00905/ ATCG01230	<i>rps12</i> exon2	GGAGCCGTATGAGGTGAAAA
ATCG00905/ ATCG01230	<i>rps12</i> exon2	CGTAAAGTTGCCAGAGTACGA
ATCG00905/ ATCG01230	<i>rps12</i> intron 2	TTTGGCTTTTTGACCCCATATA
ATCG00905/ ATCG01230	<i>rps12</i> exon 3	TGTGGAAAGCCGTATTCGAT
ATCG00180	<i>rpoC1</i> exon 1	ATGGTATTTGAAACGTCTTCCTAG
ATCG00180	<i>rpoC1</i> exon 2	ATTCAAATGAACCTCGTAATCGTAA
ATCG00180	<i>rpoC1</i> intron 1	AACTACTTGAGCCGGATGAGA
ATCG00180	read-thr_ <i>rpoC1</i> -1_F	GTGGAAGGACGCACTATTT
ATCG00180	read-thr_ <i>rpoC1</i> -1_R	TCTCCAATAFCTGGAGATAAG
ATCG00180	read-thr_ <i>rpoC1</i> -2_F	GAACCACAGTTGGTCATATTTTC
ATCG00180	read-thr_ <i>rpoC1</i> -2_R	GGGTGTCCTAGAATTTCCTTT
ATCG00180	read-thr_ <i>rpoC1</i> -3_F	CTCAAACCTATTGTGCGAATCC
ATCG00180	read-thr_ <i>rpoC1</i> -3_R	CCATCCCGAAGTGATCTATT
RNA gel blot analysis		
ATCG00270	<i>psbD</i>	ATGACTATAGCCCTTGGTAA AACCAGATTGACCTAGTGGA
ATCG00350	<i>psaA</i>	TGGGCTAAACCCGGTCATTT GGAACCAACCAGCAAAAAGC
ATCG00480	<i>ATPβ</i>	TTAGGTCCTGTCGATACTCG ACCCAATAAGGCGGATACCT
ATCG00490	<i>rbcL</i>	CGTTGGAGAGACCGTTTCTT CAAAGCCCCAAAGTTGACTCC
AT5G38410	<i>rbcS</i>	ATGGCTTCCTCTATGCTCTCTC AATGAAGGCGCCCGGGTACTCC
AT1G29910	<i>LHCB1.2</i>	ATGGCCGCCTCCACAATGGCT CCTCGGCCTCTCCCAACGGCC
ATCG00920	<i>rrn16S</i>	TTTAAGTCCGCGTCAAATC TCAACGGTGGCAACTAAACA
ATCG00950	<i>rrn23S</i>	TAATACGACTCACTATAGGGAGATTCA AACGAGGAAAGGCTTACG
ATCG00960	<i>rrn4.5S</i>	AGGAGAGCACTCATCTTGG GATGCCTCAGCTGCATACACTGCAC

ATCG00970	<i>rrn5S</i>	TTCCACTTGACACCTATCGTAATGATAA ACGGCTCGTCTCGCCGTGACCTTC CCTGGCGTCGAGCTATTTTTCCGCAGGA CCTCCCCTACAGTATCGTCACCGCAGTA GAGTTTAACCAACCAAGTTCGGGAT
ATCG00930	<i>trnI.2/3</i> , second exon	ATTTGAACCAGAGACCTCGC
ATCG00930	<i>trnI.2/3</i> , intron	CCCAGGCACAACGACGCAA
ATCG00940	<i>trnA.1</i>	GAGCGGAGCTCTACCAACTG
ATCG00065	<i>rps12</i> exon1	ATGCCAACCATTAAACAACCT ATACACCCGAGTACATGTTC
ATCG00065	<i>rps12</i> intron1a	GTGCGACTCGTTTAGATCATAG TCGTGTAAGCCGTGAATGAG
ATCG00905/ ATCG01230	<i>rps12</i> exon2	ACTATCACCCCCAAAAAACC AACGCCCTTGTTGACGATCC
ATCG00905/ ATCG01230	<i>rps12</i> intron1b	ATAACCGCATGGATAAGCTC AGATAAGTCACCCTTACTGC
ATCG00360	<i>ycf3</i> exon2	CGGATGTGGCTCAATCTGAAGG AGGGGTTTCGTTCTAATGCCCGA
ATCG00360	<i>ycf3</i> intron1	AGGGGAAGAAGCACTACGCCG ACGGCTCCTCCTTTAGGTGCAT
ATCG01100	<i>ndhA</i> exon1	ATTGGACCTGAATACGCCGG AGGAGCAATACTTGAGATGGCA
ATCG01100	<i>ndhA</i> intron	CGATTCAGAGTATGCTCCTATCCACCGA C
ATCG00180	<i>rpoC1</i> exon2	CAGAACCGTACATGAGGTCTTGGC TTTTCTTTTGCTAGGCCCATAACT
ATCG00180	<i>rpoC1</i> intron	TTAGGTATCATATGAACAGG TGTGATTTGATCGAAAT ATTGGGATAGGGTCCACT