Supplemental Table 1. PCR primers used in this study

Name	Sequence	Usage
MFNSII-1F	AA **ggatcc** AATTCAACTAATATACTATAGC	Clone MtFNSII-1 and construct the pESC-His-MtFNSII-1 yeast expression vector
MtFNSII-1R	AA **ctcgag** TCAGTATCCAAGGCTTTGAAGAG	
MtFNSII-2F	AA **ggatcc** ACCTCTTACACTAGCTTCAACATAC	Clone MtFNSII-2 and construct the pESC-His-MtFNSII-2 yeast expression vector
MtFNSII-2F	AA **ctcgag** TCAACATCCAAGGCTTTGAAGAG	
QRTMtFNSII-1F	TAGGTTCTCTCGCCGACGAACG	Realtime PCR for MtFNSII-1
QRTMtFNSII-1R	ACTCTCCCGTCACCACACCTTCA	
QRTMtFNSII-2F	TTTTGTGGGTCCCAAGGGTGAGA	Realtime PCR for MtFNSII-2
QRTMtFNSII-2R	GAAGAAACAATCAGTATCCAAG	
QRTMtUbi-F	GAATCATCCGACACAATCGACAACGTCA	Realtime PCR for an internal standard *M. truncatula* Ubiquitin gene (TC100151)
QRTMtUbi-R	AACAAGGTGAAGCGTGGACTCTTTCTGG	
MtFNSII-RNAiF	CCC**ggtaccaagctt**CAGAATGGGCATTAGTTGAGC	Construct MtFNSII RNAi plant transformation vectors
MtFNSII-RNAiR	GGG**ctcgagtctaga**CCTTCTTCCTGACCCAAATGGC	
MtFNSII-1-promF	AA**ccatgg**CAAGTGTTAATTTCAGTGTG	Clone the promoter of MtFNSII-1 and construct the plant transformation vectors
MtFNSII-1-promR	AA**ctcgag**GATATGTTGCTATAGTATAT	
MtFNSII-2-promF	AA**ggtacc**TCACCGTATTTCGCTCGCAACAC	Clone the promoter of MtFNSII-2 and construct the plant transformation vectors
MtFNSII-2-promR	AA**ctcgag**AGGTTCCATGGTATGTTGAAGC	

The bold nucleotides constitute *Bam*HI (**ggatcc**), *Hind*II (**aagctt**), *Kpn*I (**ggtacc**), *Nco*I (ccatgg) or *Xho*I (**ctcgag**) restriction sites.