

**Supplemental Table 1. Primers used in this study.**

Primer Name	Primer Sequence (5' to 3')	Purpose
MdDof54 qPCR F	CCAGGCTCTCACAGACTGAC	qRT-PCR analysis
MdDof54 qPCR R	CAGGGGTAGTGGAGTTGTGG	
MdDof54 full length F	ATGTTACAGATCCTACTGTAAACAAAT	Clone full-length gene
MdDof54 full length R	CATAGATCGTGAGAAAACCTCAAACC	
MdDof54 RNAi F	GGGGACAAGTTTGTACAAAAAAGCAGGCTGCACCACAA CTCCACTACCCCT	Plasmid construction for MdDof54 RNAi plants
MdDof54 RNAi R	GGGGACCACTTTGTACAAGAAAGCTGGGTCTTGCACCAC TTGGTCTTCGT	
MdDof54 OE F	GGGGACAAGTTTGTACAAAAAAGCAGGCTGCATGTTTAC AGATCCTACTGTAAACAAAT	Plasmid construction for MdDof54 OE plants
MdDof54 OE R	GGGGACCACTTTGTACAAGAAAGCTGGGTCCATAGATCG TGAGAAAACCTCAAACC	
MdDof54 atb ns F	GGGGACAAGTTTGTACAAAAAAGCAGGCTGCATGTTTAC AGATCCTACTGTAAACAAAT	Plasmid construction for MdDof54 subcellular localization
MdDof54 atb ns R	GGGGACCACTTTGTACAAGAAAGCTGGGTGATCGTGA GAAAACCTCAAACC	
MdWRKY70-qpcr-F	GCCCTGATCTTTGGCCATCT	qRT-PCR analysis
MdWRKY70-qpcr-R	AATGGACGACGAGGATGAGC	
MdFER-qpcr-F	GGGCGTATTAAGGTCGATGGGGATG	qRT-PCR analysis
MdFER-qpcr-R	GATGAGGTTTGGGTGGCGGAGC	
MdEXP1-qpcr-F	ACTCTTTCCTCAACGGCCAG	qRT-PCR analysis
MdEXP1-qpcr-R	AGTTTATGGTGTGTTTTCAGAACTGT	
MdPLP2-qpcr-F	TTGAAGAAGCCGGTGTACAG	qRT-PCR analysis
MdPLP2-qpcr-R	GCCTAATTAAGCTTCTTTCCTTCCG	
MdLAC15-qpcr-F	CCACCCAGAATGCCACCTTG	qRT-PCR analysis
MdLAC15-qpcr-R	AGGCCTAGATCATGCCACA	
MdPSK4-qpcr-F	ACATGTCGTCCAAGCTCACC	qRT-PCR analysis
MdPSK4-qpcr-R	CGTCATGCCGATAATGCAAG	
MdGATA22-qpcr-F	GCTGAAGCTGCAATCCTCCT	qRT-PCR analysis
MdGATA22-qpcr-R	GCAAACCCACAGAAAAGGAACGA	
MdXTH32-qpcr-F	TGCTTACAGATTGGGAGTTC	qRT-PCR analysis
MdXTH32-qpcr-R	TTGGCAAGTAATGACCCATCTC	
MdWER-qpcr-F	TAAAGTCACAGAGGTGCGGC	qRT-PCR analysis
MdWER-qpcr-R	TCAAGGACCATCTGTTGCCA	
MdDof54-EcoRIp42a-F	GGATATCGGGGATCCGAATTCATGTTTACAG ATCCTACTGTAAACAAAT	Plasmid construction for MdDof54 Expressing protein in vitro
MdDof54-Sallp42a-R	GAGTGCGGCCGCAAGCTTGTGCGACAGA TCGTGAGAAAACCTCAAACC	