

Supplementary Information

MOS1 Negatively Regulates Sugar Responses and Anthocyanin Biosynthesis in Arabidopsis

Table 1. Primers sequences for RT-PCR in this study.

ACTIN2-qRT-F	GACCTTAACTCTCCCGCTA
ACTIN2-qRT-R	GGAAGAGAGAAACCCTCGTA
APL3-F	CACACGGATGTTTCTTGGA
APL3-R	GGTAACTATCCGCTCCTAAC
MOS1-qRT-F	GCATGGGATTCGAACTCGC
MOS1-qRT-R	GTCAAGCATTGGAGGTCTGAAC
HXK1-F	GAATCCAGGCGAACAGATTCTTGAG
HXK1-R	GTGCATAGCCGACATGTGAGGAG
TPS1-F	GGTGTCAAAAGGGAGCTGC
TPS1-R	CATCTTCGTCCTTCCCAAG
RGS1-F	TTTCTCCCTTGTGTTGTT
RGS1-R	ATGAAGGCCTGCAACTGGG
GPA1-F	TGAACGTTTGCAGTGTTTC
GPA1-R	GGCGCCGTGTTCTGGTAATA
AKIN10-F	TCCCCGTGAAATAATGACGG
AKIN10-R	CATACCATCTGCGCTGCTGT
AKIN11-F	TCCTATGCGCACACCTGAAG
AKIN11-R	TCCAAGAGCCCATTTTCGAT
SIS3-F	TTGTTGACAATGGTCTTGCTTC
SIS3-R	AAGCCACAGAAATGGATACAG
PAL-F	CCAAAAACGGTGTGCGCACT
PAL-R	GCTTCCGAATATTCCGGCGTTAA
C4H-F	GGAGAAATCAACGAGGACAATGTTTC
C4H-R	CCACTCGATAGACCACAATGTTGT
CHS-F	CCGACCTCAAGGAGAAGTTCAAG
CHS-R	GCATGTGACGTTTCCGAATTGT
CHI-F	GAATCTATCCCGTTCTTCCGTGAA
CHI-R	GGCAGTTTCATTGTACCTTGATAA
F3H-F	AGGAGCGTTTGTGTCGAATCTC
F3H-R	GCATTCTTGAACCTCCATTGC
F3'H-F	CAGACATCGCTCAGCTTCCTTA
F3'H-R	GGTGGATGAAGCCTGAAATTCTCTT
DFR-F	CCTTATCACCGCGCTCTCT
DFR-R	TGTCCTTGTCTTATGATCGAGTAATGC
LDOX-F	TCAATTTGGCCTAAGACACCAAGT
LDOX-R	TCGCTAGCAAACGAAGACACTT
UF3GT-F	CAACTGGTTTTCCGTTTCTGGTT
UF3GT-R	GCTTCCTCGACGGTTGATACAC
FLS-F	CTTCCGGGATCATCGTCATCATC
FLS-R	GCCCTATGCTCCACTCTTATACT
TT8-F	ATGGAGGAAGGTGGAACTATTC
TT8-R	GGCAAACGATGATTGGATGTAAG
PAP1-F	TTCCTGAAGCGACGACAACA
PAP1-R	AGCAAACCTATACAAACGCA

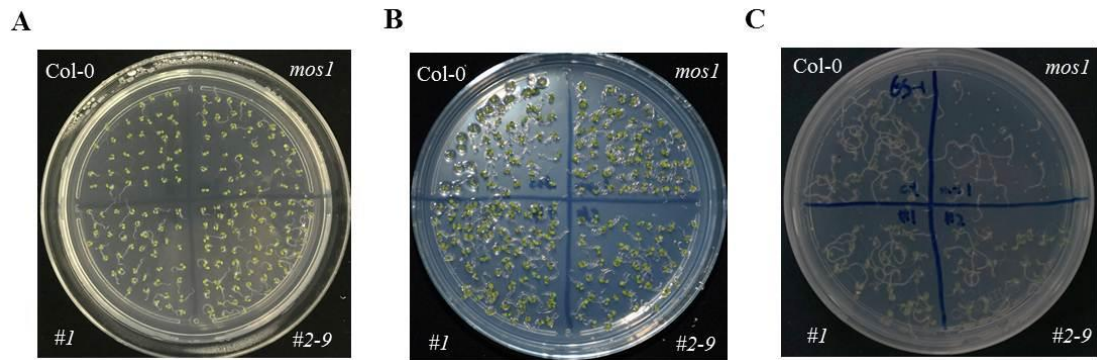


Figure S1. Representative images of the germination of Col-0, *mos1*, #1 and #2-9 grown on 1/2 MS medium with 0.8% sucrose (A), 6% Man (B) or 6% Suc (C).

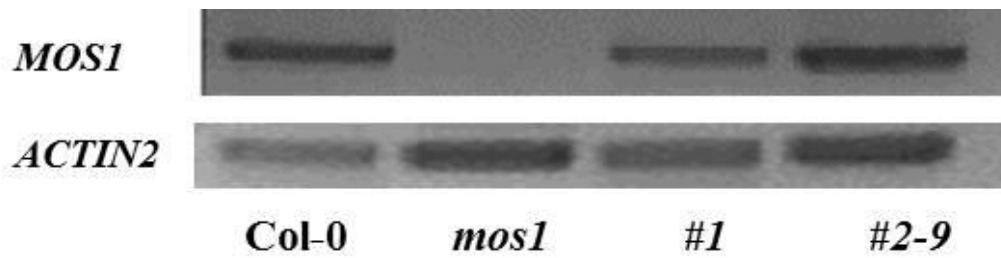


Figure S2. RT-PCR analysis of *MOS1* expression in Col-0, *mos1*, #1 and #2-9. Only the target bands were cropped from the original gel.