

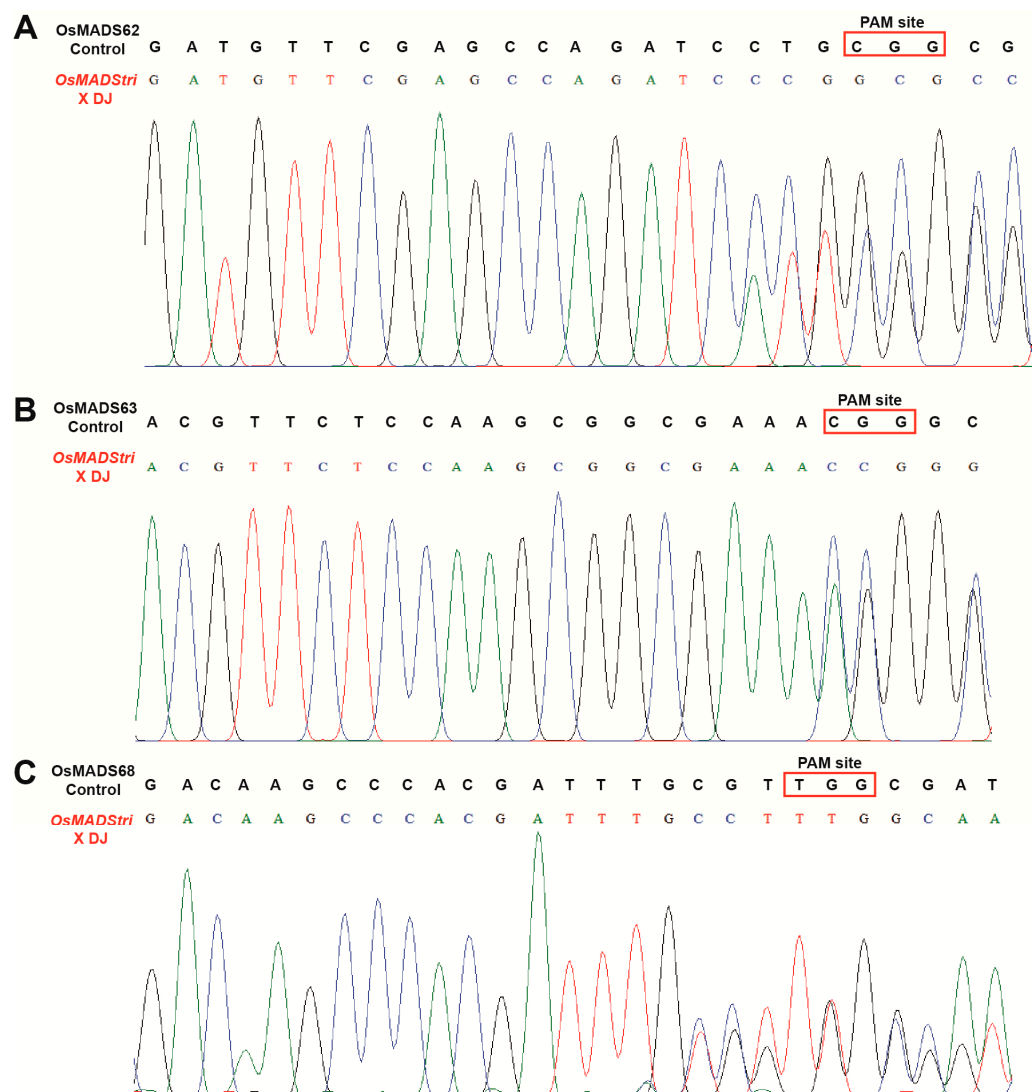
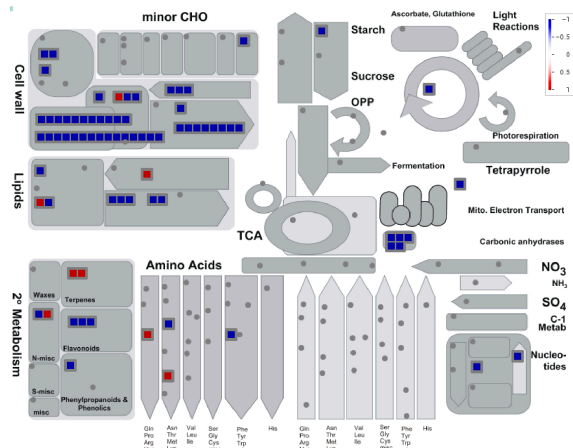
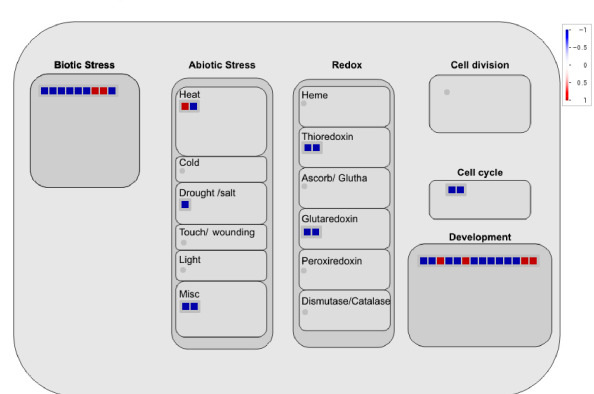


Figure S1: Sequence comparison of *OsMADS62*, *OsMADS63*, and *OsMADS68* between WT (DongJin, DJ) and *OsMADStri* mutants.

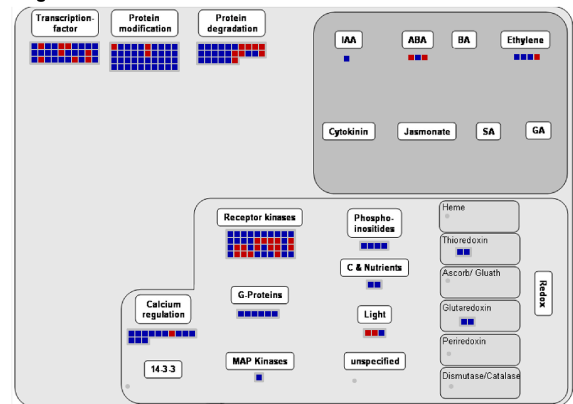
Metabolism Overview



Cellular Response Overview



Regulation Overview



Biotic Stress

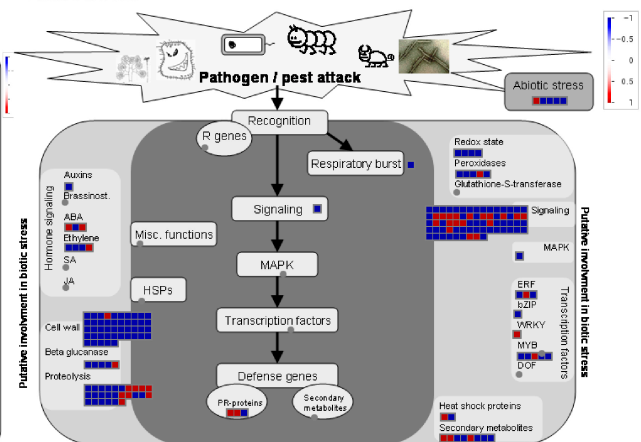


Figure S2: Detailed results of MapMan analysis

Supplementary Table S1. Primer sequences used in this study.		
Primer names	Primer sequences	Purpose
OsMADS62_Multiple_Cas_F	TAGGTCTCC AGCCAGATCCTG gtttagagctagaa	CRISPR-Cas9
OsMADS62_Multiple_Cas_R	CGGGTCTCA GGCTCGAACATC tgcaccagccggg	CRISPR-Cas9
OsMADS63_Multiple_Cas_F	TAGGTCTCC CAAGCGGCGAAA gtttagagctagaa	CRISPR-Cas9
OsMADS63_Multiple_Cas_R	CGGGTCTCA CTTGGAGAACGT tgcaccagccggg	CRISPR-Cas9
OsMADS68_Multiple_Cas_F	TAGGTCTCC CACGATTGCGT gtttagagctagaa	CRISPR-Cas9
OsMADS68_Multiple_Cas_R	CGGGTCTCA CGTGGGCTTGTC tgcaccagccggg	CRISPR-Cas9
OsUBI5_qRT_F	GCACAAGCACAGAAGGTGA	RT-qPCR
OsUBI5_qRT_R	GAATCGACTGGAGGGAAGCC	RT-qPCR
OsMADS62_qRT_F	CATCCAGAATCGGGAGG	RT-qPCR
OsMADS62_qRT_R	GTCGACCTCGCTGGATGTG	RT-qPCR
OsMADS63_qRT_F	CGGTGTACGACACGATGAGA	RT-qPCR
OsMADS63_qRT_R	AGTCGTCACCTGTTTCTGC	RT-qPCR
OsMADS68_qRT_F	CACGTACTCGAAACGGAGGT	RT-qPCR
OsMADS68_qRT_R	TATGCTGCTGTGATCGCCAA	RT-qPCR
LOC_Os02g01590_qRT_F	CCTTCTACGATCCGGCCAAG	RT-qPCR
LOC_Os02g01590_qRT_R	CTTCCGCAAAAGTACCGCCT	RT-qPCR
LOC_Os03g01750_qRT_F	GCAGCAAGATCCAGACCTTGAATA	RT-qPCR
LOC_Os03g01750_qRT_R	TTTCGGCACGACAGTGCTC	RT-qPCR
LOC_Os05g51090_qRT_F	CTACGGCCTACCCTTCATCC	RT-qPCR
LOC_Os05g51090_qRT_R	GGCGTAGGCGAAGTAGATGG	RT-qPCR
LOC_Os06g40120_qRT_F	AGCACTAACGAGGACAAGCC	RT-qPCR
LOC_Os06g40120_qRT_R	CCGCTTCGGATCTCCTTCAG	RT-qPCR
OsMADS62_Genotyping_F	CAAATTTAGCCCAGGTGCC	Mutant genotyping
OsMADS62_Genotyping_R	CAGCTGTCGTTGCATCGAAC	Mutant genotyping
OsMADS63_Genotyping_F	ATGGACGCGGTCCGTCCACT	Mutant genotyping
OsMADS63_Genotyping_R	CGAAGAAGTTTACGTACCCT	Mutant genotyping
OsMADS68_Genotyping_F	GGTTTCGACGAATTGGACTG	Mutant genotyping
OsMADS68_Genotyping_R	GTGGAATTGGGTTTCGTTTCAG	Mutant genotyping

Table S1: Primer sequences used in this study.