

PatJAZ6 acts as a repressor regulating JA-induced biosynthesis of patchouli alcohol in *Pogostemon cablin*

Xiaobing Wang¹, Xiuzhen Chen¹, Liting Zhong¹, Xuanxuan Zhou¹, Yun Tang¹, Yanting Liu¹, Junren Li¹, Hai Zheng², Ruoting Zhan¹, Likai Chen^{1*}

Supplementary Materials:

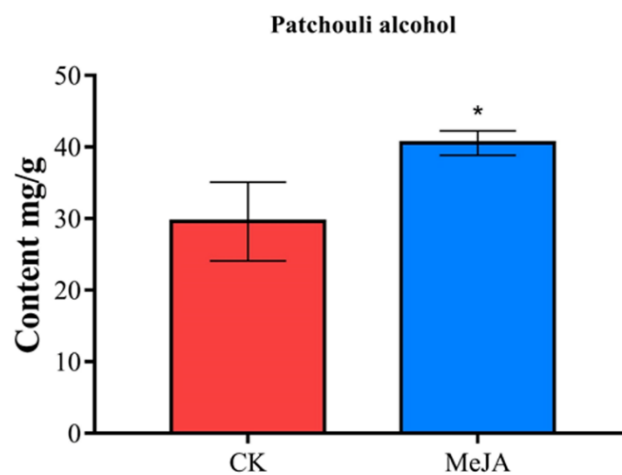


Figure S1. MeJA treatment on *P. cablin* leaves can significantly increase the accumulation of patchouli alcohol.



Figure S2. (A) Virus induced *PatPDS* silencing in *P. cablin*. (B) Electropherogram of cloning a 418 bp fragment of *Pat*/AZ6 into pTRV2 vector.

Table S1. List of primers used in this study.

Name	Sequence 5' - 3'
<i>Pat</i> /AZ6-F	TATGGAGAGAGATTTTCATGGGGT
<i>Pat</i> /AZ6-R	TAAATCTGTCTCCTTGGTGACAG
<i>Pat</i> /AZ6-qPCR-F	GATCGGTCCGGTGCTAACAA
<i>Pat</i> /AZ6-qPCR-R	TCATCACCCCTCTCCTTTCCG
PAN580- <i>Pat</i> /AZ6-F	aggacagcccagatcactagtATGGAGAGAGATTTTCATGGGGTT
PAN580- <i>Pat</i> /AZ6-R	gccttgctcaccatggatccATCTGTCTCCTTGGTGACAGAGAGG
pGBKT7- <i>Pat</i> /AZ6-F	atggccatggaggccgaattcATGGAGAGAGATTTTCATGGGGTT
pGBKT7- <i>Pat</i> /AZ6-R	ccgctgcaggtcgacggatccTTAATCTGTCTCCTTGGTGACAGAGA
1300Cluc- <i>Pat</i> /AZ6-F	tacgcgtcccggggcggtaccATGGAGAGAGATTTTCATGGGGTT
1300Cluc- <i>Pat</i> /AZ6-R	atacgaacgaaagctctgcagTTAATCTGTCTCCTTGGTGACAGAGA
1300nLUC- <i>Pat</i> MYC2b1-F	acgggggacgagctcgggtaccATGATCGGTTACCGGACTCCC
1300nLUC- <i>Pat</i> MYC2b1-R	cgcgtagagatctggtcgacCTATCTACTCTCCCCACCTTGG
1300nLUC- <i>Pat</i> MYC2b2-F	acgggggacgagctcgggtaccATGATCGGTTACCGGACTCCC
1300nLUC- <i>Pat</i> MYC2b2-R	cgcgtagagatctggtcgacCTATCTACTCTCCCCACCTTGG
PTRV2- <i>Pat</i> /AZ6-F	gtgagtaaggttaccgaattcGCAAATCATATCCAAGATGCAAAG
PTRV2- <i>Pat</i> /AZ6-R	cgtagactcgggtaccggtaccGTAGACCAGGGCTCTGTGGTGG
PJLRBO- <i>Pat</i> /AZ6-F	ttcgtttctgtcattaattaaATGGAGAGAGATTTTCATGGGGTT
PJLRBO- <i>Pat</i> /AZ6-R	tcaagttgcaggaccggtccgTTAATCTGTCTCCTTGGTGACAGAGA
<i>Pat</i> PTS-qPCR-F	CCAACCGCGAAACAAGTCC
<i>Pat</i> PTS-qPCR-R	ATGCGTATGCTCGTAGAT