

**The FomYjeF Protein Influences Sporulation and Virulence of *Fusarium*
oxysporum f. sp. *momordicae***

Chenxing Wei^{1,†}, Caiyi Wen^{1,†}, Yuanyuan Zhang¹, Hongyan Du¹, Rongrong Zhong¹, Zhengzhe Guan¹, Mengjiao Wang¹, Yanhong Qin², Fei Wang², Luyang Song¹, Ying Zhao^{1*}

¹College of Plant Protection, Henan Agricultural University, Zhengzhou 450046, China;

²Institute of Plant Protection, Henan Academy of Agricultural Sciences, Zhengzhou 450002, China

[†]These authors contributed equally to this work.

*Corresponding author

Ying Zhao

218 Pingan Avenue, Zhengdong New District, Zhengzhou, Henan Province, China 450046

E-mail: zhaoying@henau.edu.cn

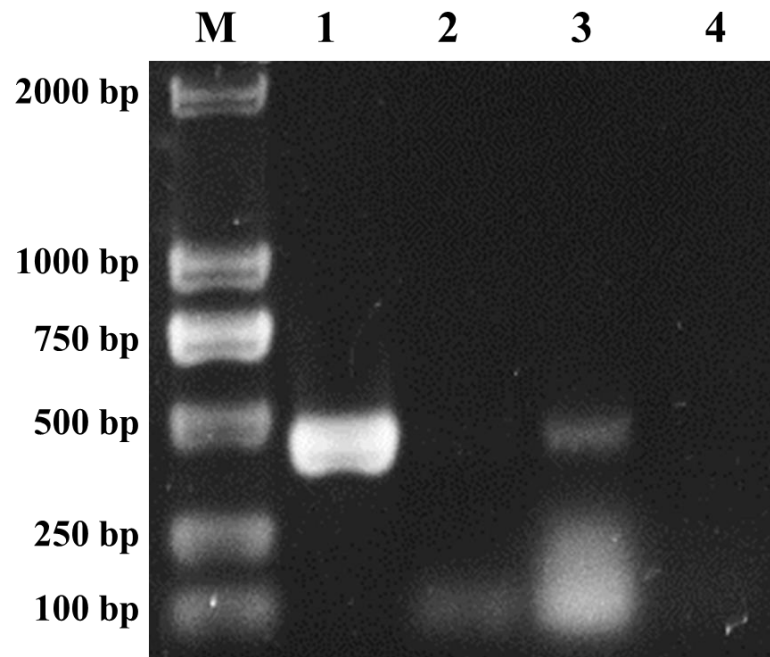


Figure S1. Confirmation of *FomYjeF* deletion and complemented by PCR. The FomYjeF-IN-F/R primer sets were used. Lane 1: wild-type SD-1; lane 2: FomYjeF-KO-2; lane 3: FomYjeF-CO-2; lane 4: MOCK (dd H₂O₂).

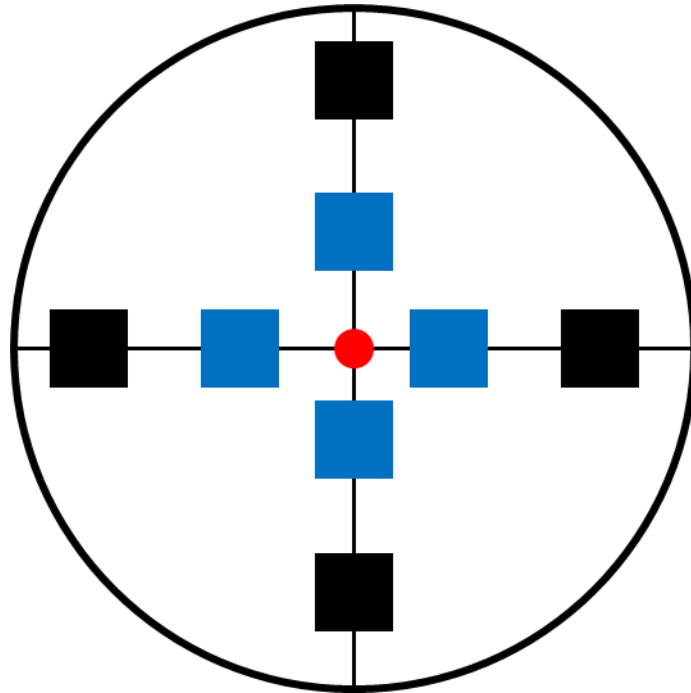


Figure S2. The schematic diagram of sampling points in Fig.2D. The black circle represents a petri dish and red circle represents a fungus cake. After culturing for 5 days, mycelia were sampled from the internal (blue square) and external (black square) of the petri dish. Each square measures one square centimeter.

Table S1. Primer sets used in this study.

Primer Names	Primer Sequence (5' to 3')
FomYjeF-S-F	TGACAAATGTTGGATACAGGCG
FomYjeF-S-R	GATCGCCATAATGCCTTTGAAT
FomYjeF-X-F	ACATGGTTGGAACGATTGCG
FomYjeF-X-R	ATCAGCGGCTCCGTTTCAGT
FomYjeF-IN-F	AAGATTTCACTTCGGTCGCACA
FomYjeF-IN-F	CCATTCAACGATTCCCGCAG
HY-R	GTATTGACCGATTCCCTTGCGGTCCGAA
YG-F	GGCTTGGCTGGAGCTAGTGGAGGTCAA
HYG-F	GGCTTGGCTGGAGCTAGTGGAGGTCAA
HYG-R	AACCCGCGGTTCGGCATCTACTCTATTC
FomYjeF-CO-F	GGGGTACCCGTAAGGGTCGGGTTTAGGAAT
FomYjeF-CO-R	GGGGTACCTTTCTTCGGAATGGTATGCGTG
Actin-F	GGTAACCAAATCGGTGCTGCTTTC
Actin-R	ACCCTCAGTGTAGTGACCCTTGGC
Type II myosin-F	GCCATATTCTCCTCTCCTT
Type II myosin-R	AACCATGAGTTATTGCTGAT
Wor1-like-F	GGAACATGGTAATGAGTA
Wor1-like-R	ATGCTGATAGTCTTCTTG
NoxR-F	CATGATCGCTCCTGATAT
NoxR-R	ATGTCTTCGTCCTTAACC
NoxA-F	CTCAAGATTACACCTAT
NoxA-R	TTGTTTCGTGATTGTAGTT