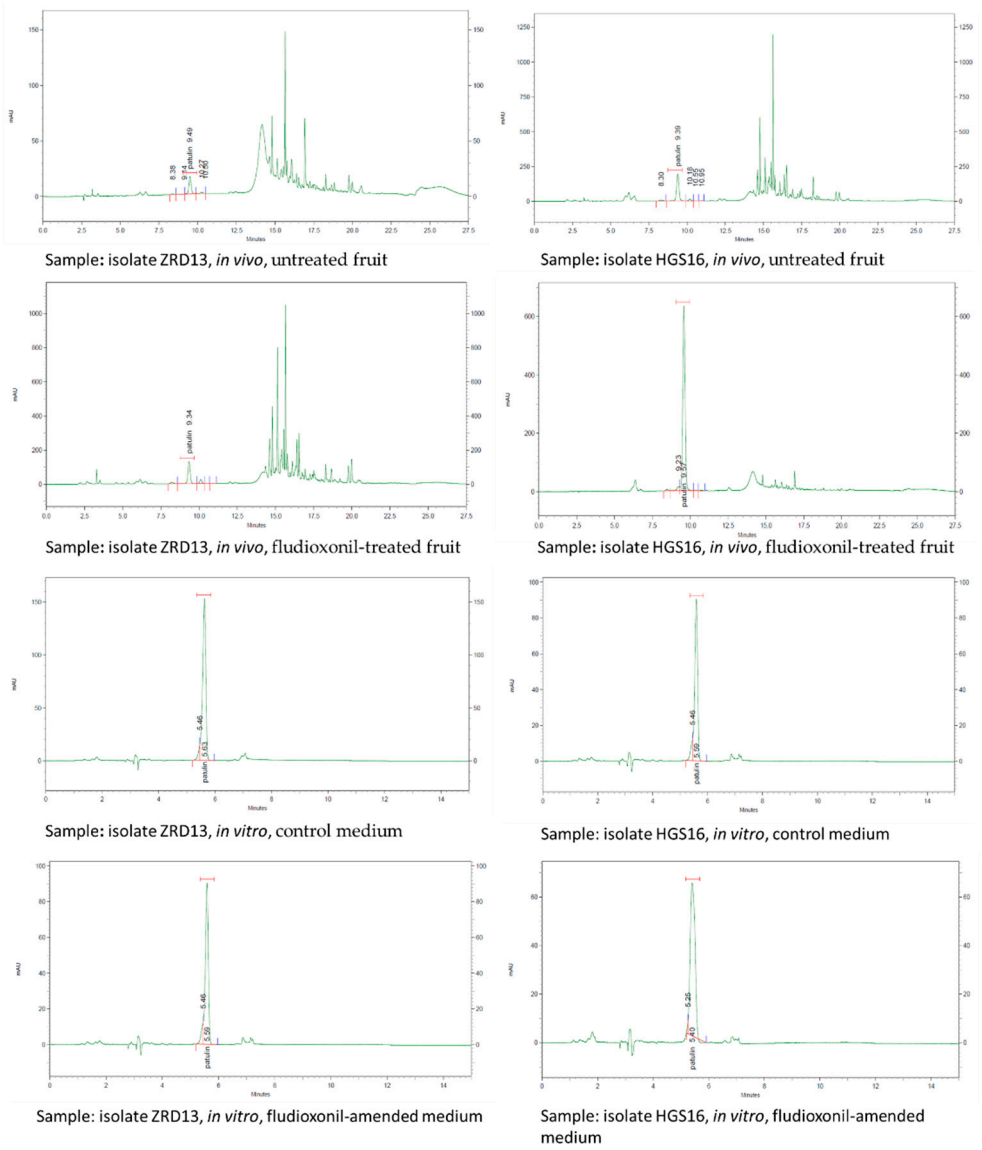


Figure S1. HPLC - DAD chromatograms of mycotoxin patulin from the analysis of *in vitro* and *in vivo* samples.

Table S1. Linear gradient conditions of the solvents concentration which used for patulin chromatographic analysis.

Time (min)	% mobile phase A*	% mobile phase B
0	95	5
10	90	10
15	10	90
20	10	90
22,5	95	5
27,5	95	5

* Mobile phase A consisted of 0.1% acetic acid in water and mobile phase B of 0.1% acetic acid in acetonitrile.

Table S2. Oligonucleotides used in this study to induct of patulin biosynthesis related genes *in vitro* and *in vivo* samples with qRT-PCR.

Primer name	Primer sequence (5′ – 3′)	Target gene	Related mechanism	Expected size (bp)	Source	Accession Number
patC-F	CGAAGGCCGCAGCTTCTTCA	*patC*	MFS transporter	175 bp	This study	KF_899892.1
patC-R	AGCAATGGTGAGGACAGCGG					
patM-F	CCCGCACCACAGATGCAAGT	*patM*	cytochrome P450	177 bp	This study	
patM-R	TCCGAGGCACTGCACTGGTA					
patH-F	GGAGGTGATGGAAACCGGCG	*patH*	ABC transporter	177 bp	This study	
patH-R	GTGGCCATCTTCCCGTCGTT					
b-tub F	AGGCCAGCGGTGACAAGTACG	*b -tubulin*	-	80 bp	Samaras et al., 2020	AY_674400.1
b-tub R	ACAGCGTCCATGGTACCGGG					