

Supplementary material

Table S1. Linearity, limit of detection (LOD), and limit of quantification (LOQ) for the mycotoxin analyses.

Analyte	Calibrant solution (µg/mL)	Linearity		LOD (µg/mL)	LOQ (µg/mL)
		Linear equation	R^2		
AFB ₁	0.0005–0.1	$y = 9.37e^5x$	0.9975	0.000007	0.00002
AFB ₂	0.00015–0.03	$y = 2.01e^6x$	0.9976	0.000003	0.00001
AFG ₁	0.0005–0.1	$y = 1.97e^5x$	0.9993	0.00005	0.0002
AFG ₂	0.00015–0.03	$y = 6.57e^5x$	0.9990	0.00002	0.00007
OTA	0.005–0.1	$y = 1.94e^4x$	0.9997	0.0002	0.0008
FB ₁	0.05–25	$y = 1.52e^7x$	0.9989	0.0003	0.0009
FB ₂	0.05–25	$y = 1.19e^7x$	0.9968	0.0004	0.001
DON	0.1–5	$y = 2.50e^4x$	0.9955	0.009	0.03
HT-2	0.5–50	$y = 5.87e^4x$	0.9978	0.002	0.008
T-2	0.5–50	$y = 4.94e^4x$	0.9978	0.002	0.005
ZEN	0.1–10	$y = 6.28e^5x$	0.9976	0.002	0.007

AFB₁: aflatoxin B₁; AFB₂: aflatoxin B₂; AFG₁: aflatoxin G₁; AFG₂: aflatoxin G₂; OTA: ochratoxin A; FB₁: fumonisin B₁; FB₂: fumonisin B₂; DON: deoxynivalenol; HT-2: HT-2 toxin; T-2: T-2 toxin; ZEN: zearalenone. R^2 : coefficient of determination.

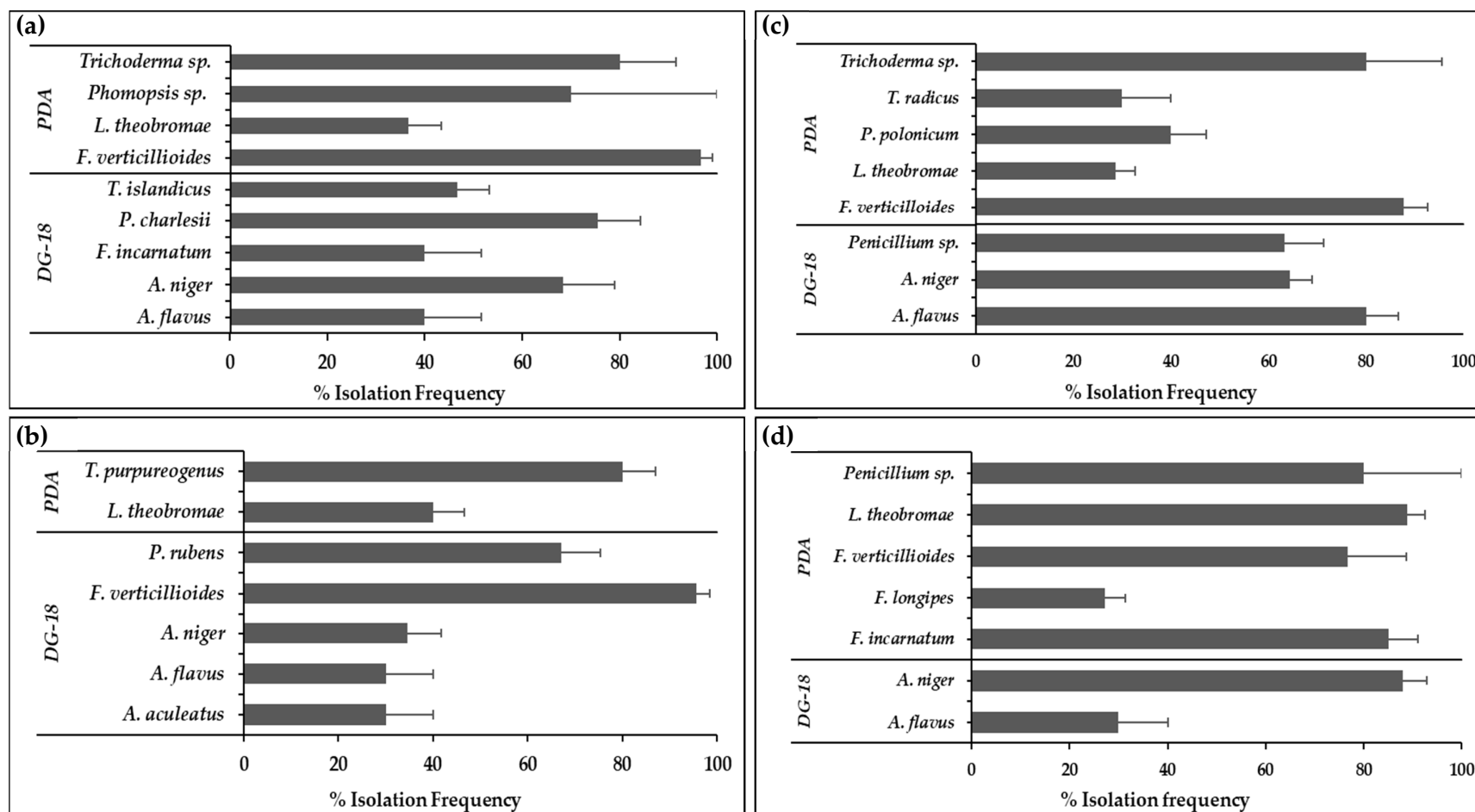


Figure S1. Isolation Frequency (%) of fungal isolates on kernel (a) and tassel (b) samples obtained from Kampong Dadong grain corn farm, and on kernel (c) and tassel (d) samples obtained from Rhu Tapai grain corn farm following direct plating on Dichloran Glycerol 18% agar (DG-18) and Potato Dextrose agar (PDA) and incubation at 30°C for seven days. Data are means of triplicate ($n = 3$) with bars indicating standard error ($\pm$ SE).