

Table S3. Aflatoxin levels (mean $\pm$ standard deviation) measured in extracts of *A. flavus* MRI19, *A. minisclerotigenes* MRI390 and MRI400, and *A. parasiticus* MRI410 after incubating the fungal strains for 7 days on MEA, CYA, and YES, respectively. Limit of quantitation (LOQ) of all analytes: 10 nmol/L.

Growth medium	Fungal strain	Aflatoxin B ₁ [nM]	Aflatoxin B ₂ [nM]	Aflatoxin G ₁ [nM]	Aflatoxin G ₂ [nM]	Aflatoxin M ₁ [nM]	Aflatoxin M ₂ [nM]	Aflatoxicol [nM]
MEA	<i>A. flavus</i> MRI19	35,723 $\pm$ 2,292	802 $\pm$ 72	< LOQ	< LOQ	228 $\pm$ 8	< LOQ	811 $\pm$ 176
	<i>A. minisclerotigenes</i> MRI390	26,192 $\pm$ 1,544	215 $\pm$ 19	< LOQ	< LOQ	166 $\pm$ 5	< LOQ	12 $\pm$ 2
	<i>A. minisclerotigenes</i> MRI400	20,228 $\pm$ 326	371 $\pm$ 12	< LOQ	< LOQ	117 $\pm$ 2	< LOQ	< LOQ
	<i>A. parasiticus</i> MRI410	< LOQ	5,572 $\pm$ 311	< LOQ	34,010 $\pm$ 1,363	< LOQ	98 $\pm$ 5	< LOQ
CYA	<i>A. flavus</i> MRI19	6,805 $\pm$ 475	77 $\pm$ 6	< LOQ	< LOQ	52 $\pm$ 2	< LOQ	316 $\pm$ 12
	<i>A. minisclerotigenes</i> MRI390	6,352 $\pm$ 365	37 $\pm$ 2	< LOQ	< LOQ	41 $\pm$ 2	< LOQ	< LOQ
	<i>A. minisclerotigenes</i> MRI400	21,577 $\pm$ 1,614	235 $\pm$ 20	< LOQ	< LOQ	177 $\pm$ 9	< LOQ	< LOQ
	<i>A. parasiticus</i> MRI410	< LOQ	1,059 $\pm$ 83	< LOQ	27,360 $\pm$ 1,298	< LOQ	44 $\pm$ 3	< LOQ
YES	<i>A. flavus</i> MRI19	28,651 $\pm$ 2,094	464 $\pm$ 34	< LOQ	< LOQ	447 $\pm$ 29	< LOQ	5,390 $\pm$ 485
	<i>A. minisclerotigenes</i> MRI390	59,687 $\pm$ 7,633	741 $\pm$ 124	< LOQ	< LOQ	747 $\pm$ 48	< LOQ	71 $\pm$ 6
	<i>A. minisclerotigenes</i> MRI400	155,617 $\pm$ 5,775	3,646 $\pm$ 217	< LOQ	< LOQ	1,726 $\pm$ 56	34 $\pm$ 1	464 $\pm$ 66
	<i>A. parasiticus</i> MRI410	< LOQ	15,700 $\pm$ 1,308	< LOQ	73,189 $\pm$ 4,267	< LOQ	347 $\pm$ 17	< LOQ