

Supplementary Materials: Polyphasic Assessment of Aflatoxin Production Potential in Selected *Aspergilli*

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Table S1. PCR Conditions for Amplification of Aflatoxin Biosynthesis Genes.

S/N	Target Gene	Primer sets (5'-3')		PCR Process	Conditions	Amplicon Size
		Forward	Reverse			
1	<i>AflR</i>	TAT CTC CCC CCG GGC ATC TCC CGG	CCG TCA GAC AGC CAC TGG ACA CGG	Pre-denaturation Denaturation Annealing Extension (cycles) Final elongation Hold temperature	95 °C, 4 min 95 °C, 1 min 60 °C, 1 min 72 °C, 30 s (30 cycles) 72 °C, 10 min (1 cycle) 4 °C	1032 bp
2	<i>aflJ</i>	TGA ATC CGT ACC CTT TGA GG-	GGA ATG GGA TGG AGA TGA GA	Pre-denaturation Denaturation Annealing Extension (cycles) Final elongation Hold temperature	95 °C, 10 min 95 °C, 50 s 58 °C, 50 s 72 °C, 2 min (30cycles) 72 °C, 10 min (1 cycle) 4 °C	737 bp
3	<i>aflD</i> (Nor)	ACC GCT ACG CCG GCA CTC TCG GCA C	GTT GGC CGC CAG CTT CGA CAC TCC G	Pre-denaturation Denaturation Annealing Extension (cycles) Final elongation Hold temperature	94 °C, 10 min 94 °C, 1 min 65 °C, 1 min 72 °C, 2 min (33cycles) 72 °C, 5 min (1 cycle) 4 °C	400 bp
4	<i>aflM</i>	GCC GCA GGC CGC GGA GAA AGT GGT	GGG GAT ATA CTC CCG CGA CAC AGC C	Pre-denaturation Denaturation Annealing	95 °C, 4 mins 95 °C, 1 min 58 °C, 1 min	537 bp

				Extension (cycles)	72 °C, 30 s (30 cycles)	
				Final elongation	72 °C, 10 mins (1 cycle)	
				Hold temperature	4 °C	
5	Omt-A	GTG GAC GGA CCT AGT CCG ACA TCA C	GTC GGC GCC ACG CAC TGG GTT GGG G	Pre-denaturation	94 °C, 5 min	797 bp
				Denaturation	94 °C, 1 min	
				Annealing	75 °C, 2 mins	
				Extension (cycles)	72 °C, 2 min (33cycles)	
				Final elongation	10 min (1 cycle)	
				Hold temperature	4 °C	

Adapated from Adetunji *et al.* (2019).