

Supplementary data to:

**DETECTION OF AFLATOXIN-PRODUCING FUNGI ISOLATED
FROM NILE TILAPIA AND FISH FEED**

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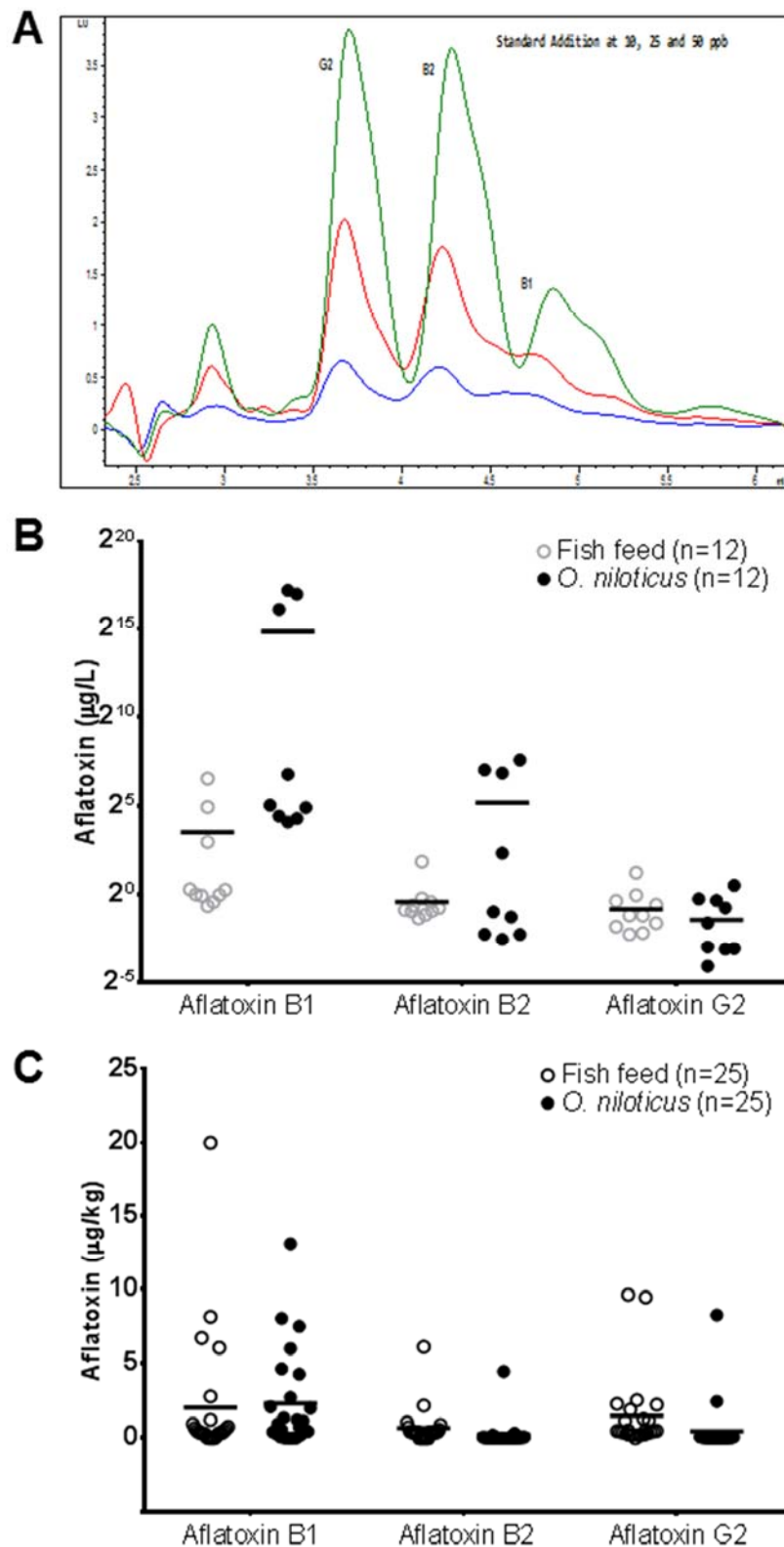
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Supplementary Figure 1: **A)** The levels of aflatoxins in *O. niloticus* samples and feed were detected by HPLC according to the standard curve. **B)** and **C)** levels of aflatoxin B1, B2, and G2 were estimated in *A. flavus* isolates, farm-collected *O. niloticus* and feed samples. Black lines refer to means.

Supplementary Table 1: Aflatoxins secreted by *A. flavus* isolates of fish samples

<i>A. flavus</i> isolates of fish	Concentration of Aflatoxins (µg/L)		
	Aflatoxin G2	Aflatoxin G2	Aflatoxin G2
1	1.454	192.818	153070.684
2	0.000	0.000	0.000
3	0.128	0.173	17.381
4	0.804	0.421	22.016
5	0.000	0.000	0.000
6	0.117	0.212	30.604
7	0.000	0.000	0.000
8	0.060	5.148	72190.035
9	0.856	130.573	131981.460
10	0.604	0.211	20.014
11	0.120	0.515	33.604
12	0.331	115.455	110.17

Supplementary Table 2: Different aflatoxins secreted by *A. flavus* isolates in fish feed

<i>A. flavus</i> iso- lates in fish feed	Concentration of Aflatoxins (µg/L)		
	Aflatoxin G2	Aflatoxin B2	Aflatoxin B1
1	0.450	0.530	0.650
2	0.682	0.661	0.760
3	0.992	0.871	1.001
4	0.000	0.000	0.000
5	0.792	0.761	0.970
6	0.331	3.695	93.170
7	0.446	0.601	1.246
8	0.212	0.538	31.434
9	0.000	0.000	0.000
10	2.390	0.459	8.051
11	0.224	0.401	1.025
12	0.287	0.556	1.222

Supplementary Table 3: Detected aflatoxins in fish samples

Sample	Concentration of Aflatoxins (µg/Kg)		
	Aflatoxin G2	Aflatoxin B2	Aflatoxin B1
1	0.019	0.013	0.549
2	0.017	0.008	1.133
3	0.008	0.003	0.179
4	0.055	0.002	0.907
5	0.008	0.019	1.344
6	0.068	0.006	1.192
7	0.009	0.000	0.271
8	0.075	0.024	4.608
9	0.038	0.054	7.468
10	0.004	0.000	0.000
11	0.010	0.000	0.070
12	0.031	0.022	1.986
13	0.007	0.000	0.439
14	0.047	0.150	2.636
15	0.030	0.000	0.000
16	0.001	0.058	0.444
17	0.091	0.193	12.988
18	0.054	0.001	2.083
19	0.021	0.000	0.382
20	0.024	0.001	0.000
21	0.006	0.049	0.379
22	0.000	0.000	0.000
23	2.470	4.480	2.550
24	8.280	0.320	0.000
25	0.000	0.090	8.000

Supplementary Table 4: Aflatoxins in fish feed samples

Fish food samples	Concentration of Aflatoxins (µg/Kg)		
	Aflatoxin G2	Aflatoxin B2	Aflatoxin B1
1	1.182	0.400	0.621
2	1.287	0.877	0.000
3	1.156	0.000	0.675
4	0.444	1.046	1.222
5	0.215	0.396	0.299
6	0.488	0.398	8.160
7	0.548	0.396	0.366
8	2.303	0.000	0.393
9	2.555	0.000	20.00
10	0.418	0.418	6.084
11	2.251	0.395	0.500
12	0.249	0.716	2.806
13	0.212	0.396	0.479
14	0.322	0.395	0.322
15	0.427	0.000	0.000
16	0.210	0.396	0.298
17	0.349	0.395	0.000
18	0.470	0.447	0.948
19	0.514	0.000	0.364
20	0.240	0.404	6.740
21	1.921	0.573	0.355
22	0.409	0.000	0.763
23	9.470	6.14	0.070
24	9.650	2.19	0.125
25	0.000	0.000	0.000