

Supplementary Materials: Colon Microbiome of Pigs Fed Diet Contaminated with Commercial Purified Deoxynivalenol and Zearalenone

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Table S1. Relative abundance of taxa in the control and DON and ZEN mycotoxin dietary treatment groups.

Classification	Percentage of Total Sequences				SEM	P-value
	Collective Data	Control	DON	ZEN		
Firmicutes	57.3	55.5	57.3	58.6	0.030	0.81
Lactobacillus	3.8	0.2 ^b	7.6 ^a	2.7 ^{a,b}	0.010	0.002
Dialister	2.3	2.8	1.8	2.5	0.010	0.54
Megasphaera	2.1	1.7 ^b	1.6 ^b	3.0 ^a	0.004	0.01
Phascolarctobacterium	1.6	1.7	1.7	1.5	0.003	0.91
Ruminococcus	1.4	1.5	1.3	1.3	0.002	0.54
Faecalibacterium	1.2	1.3 ^{a,b}	0.7 ^b	1.5 ^a	0.002	0.045
Oscillospira	1.1	1.0	1.2	1.1	0.001	0.45
Lachnospira	1.0	1.4	0.8	0.7	0.002	0.09
Bulleidia	0.9	1.2	0.6	1.0	0.002	0.14
Coprococcus	0.8	1.1	0.6	0.8	0.001	0.10
Blautia	0.7	0.7	0.7	0.8	0.002	0.94
Shuttleworthia	0.7	1.3	0.8	0.2	0.005	0.39
p-75-a5	0.5	0.5	0.3	0.8	0.003	0.54
Dorea	0.5	0.3	0.7	0.5	0.001	0.18
Roseburia	0.5	0.8	0.3	0.5	0.002	0.24
Acidaminococcus	0.5	0.5	0.5	0.5	0.002	0.99
Clostridium	0.5	0.4	0.4	0.6	0.002	0.69
Catenibacterium	0.4	0.3	0.5	0.4	0.002	0.78
Anaerovibrio	0.4	0.3	0.4	0.4	0.001	0.93
Butyrivibrio	0.3	0.2	0.2	0.6	0.003	0.49
Eubacterium	0.3	0.3	0.3	0.4	0.001	0.86
Mitsuokella	0.3	0.3	0.2	0.3	0.001	0.85
Megamonas	0.3	0.0	0.0	0.7	0.005	0.44
RFN20	0.2	0.2	0.2	0.1	0.001	0.36
Epulopiscium	0.2	0.2	0.1	0.2	0.001	0.51
Unclassified Ruminococcaceae	14.4	14.4	15.4	15.7	0.015	0.83
Unclassified Clostridiales	8.5	9.1	7.5	8.9	0.001	0.32
Unclassified Lachnospiraceae	3.9	4.3	3.9	3.7	0.001	0.62
Unclassified Veillonellaceae	2.7	3.2	1.9	3.3	0.010	0.48
Unclassified Clostridiaceae	1.3	2.1 ^a	0.6 ^b	1.2 ^{a,b}	0.003	0.05
Unclassified Christensenellaceae	0.5	0.5	0.5	0.3	0.002	0.61
Unclassified Erysipelotrichaceae	0.5	0.4	0.3	0.8	0.004	0.57
Unclassified Peptostreptococcaceae	0.2	0.2	0.3	0.2	0.001	0.25
Bacteroidetes	35.0	37.6	35.4	32.6	0.028	0.50
Prevotella	18.8	21.7	17.5	17.7	0.006	0.72
Bacteroides	2.3	2.8	1.8	2.5	0.008	0.68
CF231	1.2	1.0	1.5	1.1	0.003	0.54

Table S1. Cont.

Classification	Percentage of Total Sequences				SEM	P-value
	Collective Data	Control	DON	ZEN		
Parabacteroides	0.8	0.8	1.1	0.6	0.003	0.53
Paludibacter	0.2	0.2	0.1	0.2	0.001	0.52
Unclassified S24-7	5.7	5.9	6.7	4.6	0.007	0.14
Unclassified Bacteroidales	2.8	2.6	3.4	2.4	0.006	0.51
Unclassified Paraprevotellaceae	2.5	2.2	2.4	2.9	0.002	0.26
Proteobacteria	3.2	2.6	2.3	4.5	0.011	0.30
Campylobacter	0.8	0.2	0.1	2.0	0.008	0.17
Desulfovibrio	0.5	0.4	0.4	0.6	0.001	0.48
Succinivibrio	0.3	0.5	0.1	0.3	0.002	0.47
Spirochaetes	1.7	1.8	2.0	1.3	0.009	0.86
Treponema	1.6	1.8	1.9	1.3	0.009	0.88
Actinobacteria	1.0	0.9	0.9	1.2	0.003	0.71
Planctomycetes	0.6	0.4	0.6	0.7	0.003	0.81
Tenericutes	0.5	0.4	0.5	0.4	0.001	0.79
TM7	0.5	0.4	0.5	0.4	0.001	0.72

a, ab, b. Values with different superscript letters within the same row are significantly different ($P < 0.05$).