

**Table S1.** Effects of NI1 bacterial metabolites, single and combined mycotoxins and their NI1 degradation products on the frequency of developmental deformities (x) on 120 hpf zebrafish embryos. The frequency of deformities was determined that the number of deformed embryos (irrespective of the number of deformities per individual) was compared to the number of living embryos. Frequency are expressed as mean±SD from three independent experiments in triplicate. Kruskal-Wallis followed by Dunn's post hoc test was used. Values were compared to the non-injected control (non-inj c) (\*p<0.05, \*\*p<0.01). (td: tail and body deformities, pe: pericardial edema, ye: yolk edema, hd: head and lens distortion, sb: swim bladders were not developed; aflatoxin B<sub>1</sub> – AFB<sub>1</sub>, zearalenone – ZEN, T-2 – T-2).

Toxin(s)	Toxin(s)						Degradation products of toxin(s)						
	nL	Deformation type					Freq ±SD (%)	Deformation type					Freq ±SD (%)
	td	pe	ye	hd	sb	td		pe	ye	hd	sb		
AFB <sub>1</sub>	0.22	x	-	x	-	x	10.37 ± 3.39	-	-	-	-	-	1.75 ± 3.04
	0.52	x	-	x	-	x	15.16 ± 6.99	-	-	-	-	-	3.92 ± 3.39
	1.77	x	-	x	-	x	24.38 ± 19.26	-	-	-	-	-	5.67 ± 0.36
	4.17	x	-	x	-	x	28.15 ± 14.11*	-	-	-	-	-	5.67 ± 0.36
ZEN	0.22	x	-	-	x	x	15.52 ± 7.27	-	-	-	-	-	0.00 ± 0.00
	0.52	x	-	-	x	x	19.07 ± 7.79	-	-	-	-	-	0.00 ± 0.00
	1.77	x	-	-	x	x	23.61 ± 10.48	-	-	-	-	-	1.85 ± 3.21
	4.17	x	-	-	x	x	37.11 ± 8.00**	-	-	-	-	-	1.85 ± 3.21
T-2	0.22	x	x	x	x	x	10.52 ± 4.72	-	-	-	-	-	3.51 ± 3.04
	0.52	x	x	x	x	x	29.82 ± 9.89	-	-	-	-	-	3.51 ± 3.04
	1.77	x	x	x	x	x	88.31 ± 4.74*	-	-	-	-	-	3.52 ± 3.06
	4.17	x	x	x	x	x	100.00 ± 0.00**	-	-	-	-	-	3.61 ± 3.13
AFB <sub>1</sub> +ZEN	0.22	x	x	x	x	x	7.32 ± 0.32	-	-	-	-	-	0.00 ± 0.00
	0.52	x	x	x	x	x	31.31 ± 7.22	-	-	-	-	-	0.00 ± 0.00
	1.77	x	x	x	x	x	50.00 ± 7.14	-	-	-	-	-	3.92 ± 3.39
	4.17	x	x	x	x	x	94.44 ± 9.62**	-	-	-	-	-	3.92 ± 3.39
AFB <sub>1</sub> +T-2	0.22	x	-	-	x	x	6.42 ± 0.65	x	x	x	x	x	49.10 ± 9.47
	0.52	x	-	-	x	x	38.97 ± 0.89	x	x	x	x	x	55.56 ± 11.12
	1.77	x	-	-	x	x	43.33 ± 5.77	x	x	x	x	x	85.00 ± 13.23*
	4.17	x	-	-	x	x	100.00 ± 0.00**	x	x	x	x	x	100.00 ± 0.00*
ZEN+T-2	0.22	x	x	x	x	-	1.75 ± 3.04	-	x	x	-	-	1.75 ± 3.04
	0.52	x	x	x	x	x	3.61 ± 3.13	-	x	x	-	x	3.61 ± 3.13
	1.77	x	x	x	x	x	5.67 ± 0.18	-	x	x	-	x	3.92 ± 3.39
	4.17	x	x	x	x	x	5.89 ± 0.35*	-	x	x	-	x	3.92 ± 3.39
AFB <sub>1</sub> + ZEN+T-2	0.22	x	-	x	-	-	9.96 ± 7.62	-	-	-	-	-	3.42 ± 2.96
	0.52	x	-	x	-	-	10.39 ± 7.63	-	-	-	-	-	3.71 ± 3.23
	1.77	x	-	x	-	x	14.21 ± 2.97	-	-	-	-	-	3.71 ± 3.23
	4.17	x	-	x	-	x	15.71 ± 4.13	-	-	-	-	-	5.88 ± 0.00
NI1 bacterial metabolites	0.22	-	-	-	-	-	1.67 ± 2.89						
	0.52	-	-	-	-	-	1.75 ± 3.04						
	1.77	-	-	-	-	-	3.71 ± 3.23						
	4.17	-	-	-	-	-	3.71 ± 3.23						
Non-inj-c	-	-	-	-	-	0.00 ± 0.00							