

TABLE 3. Weight gain (WG), duodenal lesions, morphometric alterations, and mast cell response 6 days post challenge

Trt/breed ²	WG (g)	Lesion Score ³	Villus	Crypt	Villus:Crypt	Mast cells (156.25 μm ²)		
			Height (mm)	Depth (mm)	Ratio	LCB ⁴	Mean	UCB ⁵
Control/A	334.08 ± 9.54 ^a	0 ^c	2.01 ± 0.06 ^a	0.22 ± 0.02 ^b	9.43 ± 0.46 ^a	0.20	0.54	1.48
EA1/A	339.90 ± 9.76 ^a	1.29 ± 0.13 ^{ab}	1.83 ± 0.06 ^{ab}	0.22 ± 0.02 ^b	8.27 ± 0.46 ^a	0.15	0.40	1.09
EA2/A	202.28 ± 10.20 ^b	1.03 ± 0.13 ^b	1.22 ± 0.06 ^c	0.36 ± 0.02 ^a	3.48 ± 0.46 ^c	0.50	1.38	3.78
Control/B	306.80 ± 9.60 ^a	0 ^c	1.78 ± 0.06 ^{ab}	0.23 ± 0.02 ^b	8.62 ± 0.46 ^a	0.37	1.02	2.80
EA1/B	326.88 ± 10.18 ^a	1.60 ± 0.13 ^a	1.73 ± 0.06 ^b	0.23 ± 0.02 ^b	7.53 ± 0.46 ^{ab}	0.16	0.44	1.21
EA2/B	192.11 ± 10.33 ^b	0.93 ± 0.13 ^b	1.01 ± 0.06 ^c	0.37 ± 0.02 ^a	2.72 ± 0.46 ^c	0.24	0.67	1.84
Breed								
A	292.09 ± 5.68 ^a	0.77 ± 0.07	1.68 ± 0.03 ^a	0.27 ± 0.01	7.06 ± 0.27 ^a	0.37	0.66	1.19
B	275.26 ± 5.80 ^b	0.84 ± 0.08	1.51 ± 0.03 ^b	0.28 ± 0.01	6.29 ± 0.27 ^b	0.38	0.67	1.20
Trt								
Control	320.44 ± 6.76 ^a	0 ^c	1.89 ± 0.04 ^a	0.22 ± 0.01 ^b	9.02 ± 0.33 ^a	0.36	0.74	1.52
EA1	333.39 ± 7.05 ^a	1.45 ± 0.10 ^a	1.78 ± 0.04 ^a	0.23 ± 0.01 ^b	7.90 ± 0.33 ^b	0.20	0.42	0.86
EA2	197.20 ± 7.26 ^b	0.98 ± 0.10 ^b	1.11 ± 0.04 ^b	0.37 ± 0.01 ^a	3.10 ± 0.33 ^c	0.47	0.96	1.97
P-Values								
Breed	P ≤ 0.05	NS	P ≤ 0.001	NS	P ≤ 0.05	--	NS	--
Trt	P ≤ 0.0001	P ≤ 0.01	P ≤ 0.0001	P ≤ 0.0001	P ≤ 0.05	--	NS	--
Trt * Breed	P ≤ 0.0001	P ≤ 0.05	P ≤ 0.05	P < 0.0001	P ≤ 0.0001	--	NS	--

^{a-c}Means in columns within each section with no common superscript differ significantly.

¹Values are means ± SEM.

²Treatments (Trt): Control = no challenge; EA1 = 2.0 x 10⁵ EA strain 1 oocysts; EA2 = 2.5 x 10⁵ EA strain 2 oocysts; Breed:

³Duodenal lesion score from 0 to 4.

⁴LCB = Lower confidence bound limit of the 95% confidence interval.

⁵UCB = Upper confidence bound limit of the 95% confidence interval.

with EA^1

s A or B.