

TABLE 2. Weight gain (WG), duodenal lesions, morphometric alterations, and mast cell response 6 days post challenge with EA ¹

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	241.38 $\pm$ 6.42 ^{ab}	0 ^c	1.87 $\pm$ 0.06 ^a	0.23 $\pm$ 0.01 ^b	8.47 $\pm$ 0.39 ^a	0.03	0.10	0.33
EA1/A	262.48 $\pm$ 6.55 ^a	2.08 $\pm$ 0.11 ^b	1.57 $\pm$ 0.06 ^b	0.31 $\pm$ 0.01 ^a	5.15 $\pm$ 0.39 ^b	0.08	0.27	0.90
EA2/A	262.92 $\pm$ 6.68 ^a	0 ^c	1.83 $\pm$ 0.06 ^a	0.20 $\pm$ 0.01 ^b	9.20 $\pm$ 0.39 ^a	0.07	0.23	0.79
Control/B	221.84 $\pm$ 6.55 ^b	0 ^c	1.71 $\pm$ 0.06 ^{ab}	0.22 $\pm$ 0.01 ^b	7.85 $\pm$ 0.39 ^a	0.19	0.63	2.12
EA1/B	223.43 $\pm$ 7.14 ^b	2.43 $\pm$ 0.12 ^a	1.51 $\pm$ 0.06 ^b	0.28 $\pm$ 0.01 ^a	5.41 $\pm$ 0.39 ^b	0.11	0.36	1.22
EA2/B	237.81 $\pm$ 6.98 ^{ab}	0 ^c	1.66 $\pm$ 0.06 ^{ab}	0.20 $\pm$ 0.01 ^b	8.47 $\pm$ 0.39 ^a	0.17	0.56	1.88
Breed								
A	255.59 $\pm$ 3.78 ^a	0.69 $\pm$ 0.04 ^b	1.75 $\pm$ 0.03 ^a	0.24 $\pm$ 0.01	7.61 $\pm$ 0.23	0.09	0.18 ^b	0.37
B	227.70 $\pm$ 3.98 ^b	0.81 $\pm$ 0.04 ^a	1.62 $\pm$ 0.03 ^b	0.23 $\pm$ 0.01	7.24 $\pm$ 0.23	0.25	0.51 ^a	1.02
Trt								
Control	231.61 $\pm$ 4.59 ^b	0 ^b	1.79 $\pm$ 0.04 ^a	0.22 $\pm$ 0.01 ^b	8.16 $\pm$ 0.28 ^a	0.11	0.25	0.59
EA1	242.95 $\pm$ 4.85 ^{ab}	2.25 $\pm$ 0.05 ^a	1.54 $\pm$ 0.04 ^b	0.30 $\pm$ 0.01 ^a	5.28 $\pm$ 0.28 ^b	0.13	0.31	0.74
EA2	250.36 $\pm$ 4.83 ^a	0 ^b	1.75 $\pm$ 0.04 ^a	0.20 $\pm$ 0.01 ^b	8.83 $\pm$ 0.28 ^a	0.15	0.36	0.86
P-Values								
Breed	P $\leq$ 0.0001	P $\leq$ 0.05	P $\leq$ 0.01	NS	NS	--	P $\leq$ 0.05	--
Trt	P $\leq$ 0.05	P $\leq$ 0.0001	P $\leq$ 0.01	P $\leq$ 0.0001	P $\leq$ 0.0001	--	NS	--
Trt * Breed	P $\leq$ 0.001	P $\leq$ 0.01	P $\leq$ 0.05	P $\leq$ 0.01	P $\leq$ 0.001	--	NS	--

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

¹Values are means $\pm$ SEM.

²Treatments (Trt): Control = no challenge; EA1 = 1.50 x 10⁵ EA strain 1 oocysts; EA2 = 1.75 x 10⁵ EA strain 2 oocysts; Breeds A or B.

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.