

**TABLE 4. Weight gain (WG), duodenal lesions, morphometric alterations, and mast cell response 2-6 days post challenge with EA<sup>1</sup>**

d PC <sup>2</sup>	Trt <sup>3</sup>	WG (g)	Lesion Score <sup>4</sup>	Villus	Crypt	Villus:Crypt	Mast cells (156.25 μm <sup>2</sup> )		
				Height (mm)	Depth (mm)	Ratio	LCB <sup>5</sup>	Mean	UCB <sup>6</sup>
2	Control	NA	NA	1.63 ± 0.08	0.19 ± 0.01	8.48 ± 0.46	1.48	2.46	4.10
	EA1	NA	NA	1.80 ± 0.08	0.23 ± 0.01	8.04 ± 0.46	1.72	2.86	4.76
	EA2	NA	NA	1.65 ± 0.08	0.20 ± 0.02	8.38 ± 0.46	1.95	3.25	5.42
3	Control	NA	NA	1.71 ± 0.08	0.21 ± 0.01	8.62 ± 0.46	1.13	1.88 <sup>b</sup>	3.13
	EA1	NA	NA	1.85 ± 0.08	0.24 ± 0.01	8.11 ± 0.46	2.64	4.39 <sup>a</sup>	7.32
	EA2	NA	NA	1.78 ± 0.08	0.22 ± 0.01	8.05 ± 0.46	1.25	2.08 <sup>ab</sup>	3.46
4	Control	NA	NA	1.74 ± 0.08	0.19 ± 0.01 <sup>b</sup>	9.36 ± 0.46 <sup>a</sup>	1.36	2.27 <sup>b</sup>	3.78
	EA1	NA	NA	1.62 ± 0.08	0.25 ± 0.01 <sup>a</sup>	6.55 ± 0.46 <sup>b</sup>	3.49	5.81 <sup>a</sup>	9.68
	EA2	NA	NA	1.77 ± 0.08	0.24 ± 0.01 <sup>a</sup>	7.67 ± 0.46 <sup>ab</sup>	2.32	3.86 <sup>ab</sup>	6.42
5	Control	NA	NA	1.77 ± 0.08 <sup>a</sup>	0.20 ± 0.01 <sup>c</sup>	9.15 ± 0.46 <sup>a</sup>	0.94	1.57	2.61
	EA1	NA	NA	1.37 ± 0.08 <sup>b</sup>	0.36 ± 0.01 <sup>a</sup>	3.92 ± 0.46 <sup>c</sup>	2.69	4.48	7.46
	EA2	NA	NA	1.67 ± 0.08 <sup>a</sup>	0.29 ± 0.01 <sup>b</sup>	5.78 ± 0.46 <sup>b</sup>	1.75	2.92	4.85
6	Control	327.36 ± 7.48 <sup>a</sup>	0 <sup>b</sup>	1.91 ± 0.08 <sup>a</sup>	0.20 ± 0.01 <sup>c</sup>	9.50 ± 0.46 <sup>a</sup>	1.67	2.77	4.62
	EA1	300.52 ± 7.62 <sup>b</sup>	1.74 ± 0.10 <sup>a</sup>	1.58 ± 0.08 <sup>b</sup>	0.38 ± 0.01 <sup>a</sup>	4.30 ± 0.46 <sup>b</sup>	3.60	5.99	9.97
	EA2	313.43 ± 7.48 <sup>ab</sup>	1.43 ± 0.09 <sup>a</sup>	1.68 ± 0.08 <sup>ab</sup>	0.32 ± 0.01 <sup>b</sup>	5.28 ± 0.46 <sup>b</sup>	3.46	5.75	9.58
P-Values									
<b>d PC*Trt</b>		P < 0.05	P ≤ 0.0001	P ≤ 0.05	P ≤ 0.05	P ≤ 0.01	--	P < 0.05	--

<sup>a-c</sup>Means in columns with no common superscript differ significantly within day.

<sup>1</sup>Values are means ± SEM.

<sup>2</sup>d PC = day post challenge

<sup>3</sup>Treatments (Trt):Control = no challenge; EA1 = 3.0 x 10<sup>5</sup> EA strain 1 oocysts; EA2 = 3.0 x 10<sup>5</sup> EA strain 2 oocysts;

<sup>4</sup>Duodenal lesion score from 0 to 4.

<sup>5</sup>LCB = Lower confidence bound limit of the 95% confidence interval.

<sup>6</sup>UCB = Upper confidence bound limit of the 95% confidence interval.