

Veterinary Pathology: Supplemental Materials
Chen et al. Alterations in intestinal innate mucosal immunity of weaned pigs
during porcine epidemic diarrhea virus infection.

Supple. Table S1. Daily diarrhea scoring summary for
PEDV-infected pigs

DPI	Score ^a			
	0	1	2	3
1	65.0% (26/40)	17.5% (7/40)	17.5% (7/40)	0% (0/40)
2	72.5% (29/40)	12.5% (5/40)	15.0% (6/40)	0% (0/40)
3	46.7% (14/30)	23.3% (7/30)	30.0% (9/30)	0% (0/30)
4	56.7% (17/30)	6.7% (2/30)	23.3% (7/30)	13.3% (4/30)
5	5.0% (1/20)	25.0% (5/20)	35.0% (7/20)	35.0% (7/20)
6	45.0% (9/20)	15.0% (3/20)	30.0% (6/20)	10.0% (2/20)
7	30.0% (3/10)	30.0% (3/10)	20.0% (2/10)	20.0% (2/10)
8	60.0% (6/10)	10.0% (1/10)	20.0% (2/10)	10.0% (1/10)
9	50.0% (5/10)	20.0% (2/10)	20.0% (2/10)	10.0% (1/10)
10	70.0% (7/10)	10.0% (1/10)	20.0% (2/10)	0% (0/10)

Abbreviation: PEDV, porcine epidemic diarrhea virus; DPI, day post-inoculation

^aScore categories: 0 = normal; 1 = soft diarrhea; 2 = loose and shapeless diarrhea; 3 = watery diarrhea

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Supple. Table S2. Demographic data, treatments, Log₁₀ PEDV RNA GE/ml, VH:CD ratio in jejunum and ileum, ileal villus ratio, PEDV IHC scores for 64 pigs

DPI	StudyID	Treatment	Log ₁₀ PEDV RNA GE/ml	VH:CD ratio		PEDV IHC			
				Jejunum	Ileum	Jejunum	Ileum	Peyer's patches	Mesenteric lymph node
2	A	CONTROL	0.000	2.46	2.17	0	0	0	0
2	B	CONTROL	0.000	1.86	2.01	0	0	0	0
2	C	CONTROL	0.000	2.27	1.64	0	0	0	0
2	I	CONTROL	0.000	2.92	1.69	0	0	0	0
2	J	CONTROL	0.000	2.45	2.35	0	0	0	0
2	K	CONTROL	0.000	2.43	1.83	0	0	0	0
2	D	PEDV	8.150	1.85	2.06	2	2	1	1
2	E	PEDV	8.342	2.06	1.60	0	3	1	2
2	F	PEDV	6.143	2.11	1.85	0	0	0	0
2	G	PEDV	7.535	1.96	2.01	1	2	0	0
2	H	PEDV	9.752	0.70	1.36	3	3	1	2
2	L	PEDV	8.433	1.70	1.74	3	3	1	1
2	M	PEDV	5.106	2.21	1.85	0	0	0	0
2	N	PEDV	8.318	1.79	1.64	3	3	1	1
2	O	PEDV	7.805	1.30	1.32	3	3	1	1
2	P	PEDV	7.537	1.06	1.73	3	2	1	1
4	Q	CONTROL	0.000	1.73	1.84	0	0	0	0

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4	R	CONTROL	0.000	2.06	2.29	0	0	0	0
4	S	CONTROL	0.000	1.95	1.52	0	0	0	0
4	Y	CONTROL	0.000	1.69	1.60	0	0	0	0
4	Z	CONTROL	0.000	1.73	1.96	0	0	0	0
4	AA	CONTROL	0.000	1.91	1.87	0	0	0	0
4	T	PEDV	8.538	0.97	1.24	3	3	1	1
4	U	PEDV	9.320	1.02	1.04	3	3	1	1
4	V	PEDV	9.393	0.92	0.90	3	3	1	1
4	W	PEDV	9.530	0.65	0.73	3	3	1	1
4	X	PEDV	9.510	0.57	0.50	3	3	1	1
4	AB	PEDV	8.730	0.57	0.79	3	3	1	1
4	AC	PEDV	9.249	0.67	0.54	3	3	1	1
4	AD	PEDV	9.640	0.23	0.31	3	3	1	1
4	AE	PEDV	8.780	0.34	0.34	3	3	1	0
4	AF	PEDV	9.794	0.35	0.39	3	3	1	1
6	AG	CONTROL	0.000	2.29	1.11	0	0	0	0
6	AH	CONTROL	0.000	2.35	1.60	0	0	0	0
6	AI	CONTROL	0.000	2.68	1.89	0	0	0	0
6	AO	CONTROL	0.000	1.03	0.85	0	0	0	0
6	AP	CONTROL	0.000	1.50	1.88	0	0	0	0
6	AQ	CONTROL	0.000	1.84	0.98	0	0	0	0
6	AJ	PEDV	8.689	1.76	1.25	1	2	1	0
6	AK	PEDV	8.604	0.57	0.55	2	2	1	1

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6	AL	PEDV	7.628	0.76	1.18	0	0	0	0
6	AM	PEDV	8.428	0.79	1.04	0	1	0	0
6	AN	PEDV	8.175	2.32	1.66	0	0	0	0
6	AR	PEDV	7.448	0.45	0.45	0	0	0	0
6	AS	PEDV	8.920	0.64	1.27	3	3	1	1
6	AT	PEDV	7.749	1.42	1.12	0	0	0	0
6	AU	PEDV	8.624	1.94	1.25	1	1	1	1
6	AV	PEDV	7.085	0.65	0.64	0	1	1	1
10	AW	CONTROL	0.000	2.04	1.79	0	0	0	0
10	AX	CONTROL	0.000	1.64	0.80	0	0	0	0
10	AY	CONTROL	0.000	2.16	1.71	0	0	0	0
10	BE	CONTROL	0.000	1.74	2.24	0	0	0	0
10	BF	CONTROL	0.000	1.90	0.91	0	0	0	0
10	BG	CONTROL	0.000	1.43	0.88	0	0	0	0
10	AZ	PEDV	4.432	1.29	1.67	0	0	0	0
10	BA	PEDV	0.000	1.55	2.13	0	0	0	0
10	BB	PEDV	0.000	1.60	2.70	0	0	0	0
10	BC	PEDV	0.000	2.03	1.03	0	0	0	0
10	BD	PEDV	0.000	1.24	1.61	0	0	0	0
10	BH	PEDV	0.000	0.85	1.61	0	0	0	0
10	BI	PEDV	0.000	0.98	1.70	0	0	0	0
10	BJ	PEDV	0.000	1.60	1.32	0	0	0	0
10	BK	PEDV	0.000	2.16	2.14	0	0	0	0

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10	BL	PEDV	0.000	1.05	1.63	0	0	0	0
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Abbreviations: PEDV, porcine epidemic diarrhea virus; VH:CD, villus length to crypt depth; IHC, immunohistochemistry;
DPI, day post-inoculation

^aScore categories: 0 = no stain, 1 = < 10% immunopositive, 2 = 10-50% immunopositive and 3 = > 50% immunopositive)