

Supplementary Table 1. Univariate analysis for association between farm characteristics, biosecurity measures and presence of PCV2.

Variables	PCV2 (%)		P value, χ^2
	Absent	Present	
Farm/Pig Characteristics and Management			
Herd size (number)			
<48	38.1	61.9	0.172, $\chi^2 = 1.867^*$
>48	19.0	81.0	
Pig breed			
Large White			
Yes	31.6	68.4	0.272, $\chi^2 = 3.908$
No	0.0	100.0	
Landrace			
Yes	8.7	91.3	0.039, $\chi^2 = 8.393^*$
No	40.0	60.0	
Duroc			
Yes	38.5	61.5	0.339, $\chi^2 = 3.362$
No	21.6	78.4	
Yorkshire			
Yes	33.3	66.7	0.740, $\chi^2 = 1.254$
No	28.1	71.9	
Age by Category (weeks)			
Piglets			
<4	23.1	76.9	0.786, $\chi^2 = 0.074$
>4	27.3	72.7	
Weaners			
<9	25.0	75.5	0.760, $\chi^2 = 0.093$
>9	20.0	80.0	
Growers			
<17	15.6	84.4	0.623, $\chi^2 = 0.242$
>17	21.1	78.9	
Sows			
<58	26.1	73.9	0.154, $\chi^2 = 2.035^*$
>58	0.0	100.0	
Boars			
<44	27.3	72.7	0.384, $\chi^2 = 0.759$
>44	16.7	83.3	
Number by Category			
Piglets			
<10	40.9	59.1	0.143, $\chi^2 = 2.143^*$
>10	20.0	80.0	
Weaners			
<12	33.3	66.7	0.338, $\chi^2 = 2.168$
>12	16.2	83.8	

Variables	PCV2 (%)		P value, χ^2
	Absent	Present	
Growers			
<20	30.4	69.6	0.502, $\chi^2 = 0.452$
>20	16.7	83.3	
Sows			
<6	41.4	58.6	0.121, $\chi^2 = 0.452^*$
>6	17.9	82.1	
Boars			
<2	22.9	77.1	0.674, $\chi^2 = 0.177$
>2	28.6	71.4	
Number of Pens			
<15	39.3	60.9	0.035, $\chi^2 = 4.462^*$
>15	14.3	85.7	
Enclosure Surface			
Concrete	27.0	73.0	0.809, $\chi^2 = 0.058$
Non-concrete	33.3	66.7	
Housing System			
Open	30.9	69.1	0.138, $\chi^2 = 2.200^*$
Closed	9.1	90.9	
Hotel Feed			
Yes	42.9	57.1	0.052, $\chi^2 = 3.771^*$
No	20.0	80.0	
Crop Residues			
Yes	28.6	71.4	0.575, $\chi^2 = 0.314$
No	20.0	80.0	
Industrial Feed			
Yes	25.4	74.6	0.117, $\chi^2 = 2.459^*$
No	66.7	33.3	
Pig diseases/conditions reported			
ASF			
Yes	33.3	66.7	0.403, $\chi^2 = 0.698$
No	23.8	76.2	
Salmonellosis			
Yes	28.6	71.4	0.935, $\chi^2 = 0.007$
No	27.1	72.9	
Foot and Mouth			
Yes	14.3	85.7	0.219, $\chi^2 = 1.511^*$
No	30.8	69.2	
Coccidiosis			
Yes	55.6	44.4	0.040, $\chi^2 = 4.203^*$
No	22.8	77.2	
Mycoplasmosis			
Yes	27.3	72.7	1.000, $\chi^2 = 0.000$
No	27.3	72.7	

Variables	PCV2 (%)		P value, χ^2
	Absent	Present	
Helminthiasis			
Yes	25.6	74.4	0.721, $\chi^2 = 0.128$
No	29.6	70.4	
Mastitis			
Yes	50.0	50.0	0.080, $\chi^2 = 3.069^*$
No	23.2	76.8	
Wasting syndrome			
Yes	28.2	71.8	0.838, $\chi^2 = 0.042$
No	25.9	74.1	
Porcine Parvo			
Yes	40.0	60.0	0.506, $\chi^2 = 0.442$
No	26.2	73.8	
Mange			
Yes	11.1	88.9	0.071, $\chi^2 = 3.259^*$
No	33.3	66.7	
Colibacillosis			
Yes	50.0	50.0	0.080, $\chi^2 = 3.069^*$
No	23.2	76.8	
Foot Rot			
Yes	50.0	50.0	0.292, $\chi^2 = 1.109$
No	25.8	74.2	
Brucellosis			
Yes	66.7	33.3	0.117, $\chi^2 = 2.459^*$
No	25.4	74.6	
Use of Probiotics			
Yes	50.0	50.0	0.080, $\chi^2 = 3.069^*$
No	23.2	76.8	
Biosecurity			
Biosecurity level			
Poor	37.1	62.9%	0.056, $\chi^2 = 3.660^*$
Satisfactory	16.1	83.9	
Surveyors' assessment on Biosecurity			
High/Moderate	18.2	81.8	0.097, $\chi^2 = 2.750^*$
Low	36.4	63.6	
Bird-animal Proof			
Always/frequently	8.3	91.7	0.103, $\chi^2 = 2.652^*$
Rarely/never	31.5	68.5	
Separate Enclosure for Weaner			
Always/frequently	25.5	74.5	0.411, $\chi^2 = 0.676$
Rarely/never	0.0	100.0	
Separate Enclosure for Growers			
Always/frequently	24.6	75.4	0.259, $\chi^2 = 1.275^*$
Rarely/never	0.0	100.0	

Variables	PCV2 (%)		P value, χ^2
	Absent	Present	
Separate Enclosure for Sows Always/frequently Rarely/never	28.1 0.0	71.9 100.0	0.379, $\chi^2 = 0.773$
Separate Enclosure for Boars Always/frequently Rarely/never	25.0 0.0	75.0 100.0	0.321, $\chi^2 = 0.983$
Feed properly stored/covered Yes No	20.7 32.4	79.3 67.6	0.288, $\chi^2 = 1.130$
Foot dip at pen entrance Always/frequently Rarely/never	21.7 30.2	78.3 69.8	0.460, $\chi^2 = 0.545$
Visit other farms Always/frequently Rarely/never	42.4 87.5	57.6 12.5	0.007, $\chi^2 = 7.265^*$
Borrow Equipment from other farms Always/frequently Rarely/never	17.4 33.3	82.6 66.7	0.170, $\chi^2 = 1.886^*$
Marketers/middlemen have unrestricted access to pigs Always/frequently Rarely/never	27.7 23.5	72.3 76.5	0.741, $\chi^2 = 0.109$
Vehicles allowed unrestricted access to the farm Always/frequently Rarely/never	23.1 36.0	76.9 64.0	0.262, $\chi^2 = 1.259$
Visitors have unrestricted access to farm Always/frequently Rarely/never	21.4 37.5	78.6 62.5	0.158, $\chi^2 = 1.989^*$
Visitors have restricted access to farm Always/frequently Rarely/never	20.0 42.9	80.0 57.1	0.052, $\chi^2 = 3.771^*$
PPE Provided to visitors before access to farm Always/frequently Rarely/never	20.0 28.8	80.0 71.2	0.566, $\chi^2 = 0.330$
All in –all out Always/frequently Rarely/never	33.3 26.5	66.7 73.5	0.608, $\chi^2 = 0.263$
I have a certified Doc Yes No	33.3 22.5	66.7 77.5	0.383, $\chi^2 = 0.760$
Quarantine Protocol Yes No	20.4 47.1	79.6 52.9	0.034, $\chi^2 = 4.520^*$

Variables	PCV2 (%)		P value, χ^2
	Absent	Present	
Cleaning and disinfection Protocol			
Always/frequently	20.9	79.1	0.067, $\chi^2 = 3.356^*$
Rarely/never	42.9	57.1	
Dispose waste by burning or bury			
Yes	14.3	85.7	0.414, $\chi^2 = 0.666$
No	28.8	71.2	
Dispose waste by selling as fertilizer			
Yes	30.0	70.0	0.675, $\chi^2 = 0.176$
No	25.0	75.0	
Dispose waste as open dump			
Yes	25.0	75.0	0.675, $\chi^2 = 0.176$
No	30.0	70.0	

*Variables significant at $p \leq 0.250$ and forwarded for multivariate analysis