Additional file 3: Figure S2. Latin hypercube sampling-partial rank correlation coefficient (LHS-PRCC) results of full and reduced models across low, medium, and high-density villages. Parameters with significant LHS-PRCC coefficients (p< 0.0015) shown. See table 1 (main text) for description of model parameters).

Parameters	Full Model (k = 33 parameters) High	Full Model Medium	Full Model Low	Reduced Model (k = 22 parameters) High	Reduced Model Medium	Reduced Model Low
Pig						
tuning-pig[§]	●●● ■■	●●● ■■	●●● ■■■			
corral-always	●●● ■■	●●● ■■	●●● ■■	●● ■■	●● ■	● +
prop-corrals	●●● ■	●●● ■■	●●● ■			
corral-sometimes	+	● +	● +	● +	+ +	+
prop-corral-some	+	●● +	● +	● +	+ +	+ +
home-range	+ +	+ +	● +	●●● ■■■	●●● ■■	●● ■■
latrine-use	+ +	+ +	● +	●● ■■	●● ■■	●● ■■
humans-per-hh	+ +	+ +	● +			
prop-latrines	+	+ +	+ +			
slaughter-age	+	+	+	+	+ +	+
decay-mean			+	+ +	+ +	+ +
cont-radius				+	+ +	
home-range-sd				+ +	+ +	+ +
Human						
tuning-human[§]	■■■ +	■■■ ●	■■■ ●●			
prop-pig-owners	■■■ +	■■■ +	■■■ ●●			
tn-lifespan	■■■ +	■■■ ●	■■ ●●	■■■ ●●●	■■■ ●●●	■■ ●●●
pigs-per-hh	■■■ +	■■■ +	■■ ●			
pigs-exported	■■■ +	■■■ +	■■ ●	■■■ ●●	■■■ ●●	■■ ●●
pigs-sold	■■ +	■■ +	■■ ●	■■ ●●	■■ ●●	■■ ●●
hh-only-pork	■	■	■ +	+ +	■ +	+ +
shared-pork-hh	■	■	■ +	■ +	■ +	+ +
pig-import-rate	■	+ +	+ +	■■ ●	■ ●	■ ●
import-prev	■	■	+ +	■■ ●	■■ ●	■ ●
sold-pork	+	+	+	+ +	+ +	
travel-duration	+					
travel-incidence				+ +		+ +
light-to-heavy				+	+ +	+ +
traveler-prop					+ +	

■ = Human taeniasis, ● = Porcine cysticercosis
SOBOL first-order indices (S_i) : ■■■ / ●●● > 0.25; ■■ / ●● > 0.1; ■ / ● > 0.02
PRCC (absolute-value of ρ) : ■■■ / ●●● > 0.5; ■■ / ●● > 0.25; ■ / ● > 0.1; + / + < 0.1; (all p < 0.0015)
[§]tuning-pig (4 parameters) and tuning-human (2 parameters) represent the combined impact of each set.