

Table S1 Optimal added non-phytate phosphorus level of layers during brooding period as calculated based on broken-line models

Dependent variable	Regression equation	Coefficient of determinati on (R2)	Optimal added non-phytate phosphorus level %	P-value
BW	$y=321.87+847.9x \ (x<0.32)$			
	$y=321.87 \ (x\geq0.32)$	0.9184	0.32	<0.0001
ADG	$y=4.975+16.1x \ (x<0.32)$			
	$y=4.975 \ (x\geq0.32)$	0.9301	0.32	<0.0001
ADFI	$y=15.17+36.72x \ (x<0.31)$			
	$y=15.17 \ (x\geq0.31)$	0.8536	0.31	<0.0001
Tibial length	$y=66.79+55.25x(x<0.32)$			
	$y=66.79 \ (x\geq0.32)$	0.9352	0.32	<0.0001
Daily tibial increment	$y=0.70+0.94x \ (x<0.33)$			
	$y=0.70 \ (x\geq0.33)$	0.9374	0.33	<0.0001
P content in tibia	$y=0.04+0.13x(x<0.32)$			
	$y=0.04 \ (x\geq0.32)$	0.7524	0.32	<0.0001

BW= body weight, ADG= average daily gain; ADFI= average daily feed intake