

**Table S1.** Linear regression model for laying rate as a function of dietary citrulline levels in laying hens at 34-42 weeks old

Variables	F-value	R <sup>2</sup>	Estimate	Std error	t Value	P-value
Intercept			82.859	2.149	38.564	0.001***
Citrulline	(1, 22) 1.485	0.063	- 4.571	3.751	-1.219	0.236

**Table S2.** Quadratic regression model for laying rate as a function of dietary citrulline levels in laying hens at 34-42 weeks old

Variables	F-value	R <sup>2</sup>	Estimate	Std error	t Value	P-value
Intercept			82.605	2.719	30.382	0.001***
Citrulline			-2.468	13.805	-0.176	0.860
Citrulline (squared)	(2, 21) 0.722	0.064	- 2.030	12.804	-0.159	0.876