

**Table S1. Correlation coefficients between the (continuous) covariates of interest for the field and captive study.** Covariates that are significantly correlated are depicted in bold.

Covariate	Field study <sup>1</sup>				Captive study <sup>2</sup>			
	r	t-value	p-value	r <sup>2</sup>	r	t-value	p-value	r <sup>2</sup>
Body mass * AIV OD-value female serum <sup>3</sup>	0.38	4.378	<b>&lt;0.001</b>	0.14	0.14	0.794	0.433	0.05
Body mass * Egg volume	0.43	5.115	<b>&lt;0.001</b>	0.16	0.26	1.523	0.138	0.04
Body mass * Egg laying order					0.13	0.689	0.496	-0.02
AIV OD-value female serum * Egg volume	0.07	0.752	0.455	0.00	-0.28	-1.651	0.109	0.05
AIV OD-value female serum * Egg laying order					0.28	1.647	0.110	0.05
Egg volume * Egg laying order					-0.31	-1.797	0.082	0.07

<sup>1</sup>Free-living mallards and eggs

<sup>2</sup>Captive mallards and eggs

<sup>3</sup>Relative concentration of antibodies against avian influenza virus (AIV) in female sera