



## Supplementary Material

# Relationship between Body Weight and Linear Body Measurements in Pakistani Quail (*Coturnix japonica* PK)

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**Supplementary Table I. Level of variation in the dependent variable that can be explained by the independent variable (male and female *C. japonica* PK).**

Male		Female	
R square	Adjusted R square	R square	Adjusted R square
0.72	0.68	0.68	0.64

**Supplementary Table II. Significance of relationship between independent variable and dependent variables (male and female *C. japonica* PK).**

Model	Sum of squares	df	Mean square	F	Sig.
<b>Male</b>					
Regression	168296.93	8	21037.11	21.85	0.00
Residual	65471.37	68	962.81		
Total	233768.31	76			
<b>Female</b>					
Regression	164305.58	8	20538.19		
Residual	74636.63	64	1166.19	17.61	0.00
Total	238942.21	72			

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**Supplementary Table III. Linear regression equation coefficients for predicting body weight from body measurements the *C. japonica* PK, male and female.**

Model	Unstandardized coefficients		Standardized coefficients	t	Sig.	Collinearity statistics
	B	Std. Error	Beta			Tolerance
(Male)	-483.97	59.39		-8.14	0.00	
Body length	22.88	2.83	0.98	8.07	0.00	0.27
Wing spread	1.05	3.81	0.03	0.27	0.78	0.30
Shank length	-16.65	10.35	-0.17	-1.60	0.11	0.35
Shank circumference	30.81	19.73	0.17	1.56	0.12	0.34
Drumstick length	10.95	6.70	0.20	1.63	0.10	0.26
Drumstick circumference	-20.52	5.18	-0.52	-3.96	0.00	0.23
Breast width	0.39	6.14	0.00	0.06	0.94	0.27
Keel length	-2.82	4.57	-0.06	-0.61	0.53	0.40
(Female)	-425.57	67.88		-6.26	0.00	
Body length	18.47	2.32	0.77	7.95	0.00	0.51
Wing spread	0.98	1.33	0.05	0.73	0.46	0.90
Shank length	-23.49	8.86	-0.27	-2.65	0.01	0.46
Shank circumference	74.19	20.96	0.42	3.53	0.00	0.34
Drumstick length	21.79	7.19	0.40	3.02	0.00	0.27
Drumstick circumference	-14.54	5.56	-0.32	-2.61	0.01	0.32
Breast width	-6.30	8.58	-0.14	-0.73	0.46	0.13
Keel length	-9.13	6.46	-0.21	-1.41	0.16	0.21