Table S2. Relationship between mitochondrial ROS and systemic oxidative stress and damage. The results of two PLSR models for GSH:GSSG ratio in erythrocytes and MDA levels in plasma are shown. Predictors whose regression coefficients are significant are marked in bold (*: $P < 0.05$, **: $P < 0.01$).

| | GSH:GSSG | | MDA | |
Predictor	Predictor weight	Regression coefficient	Predictor weight	Regression coefficient
DHR fluorescence	**-0.34 ****	**-0.24**	**0.23 ****	**0.38**
Mitosox fluorescence	**-0.38 ****	**-0.31**	**0.19 ***	**0.37**
SOD activity	**0.38 ****	**0.13**	**-0.27 ****	**-0.21**
Catalase activity	-0.08	-0.02	0.03	0.02
GSH levels	-	-	**-0.42 ****	**-0.54**
Breed	**- ****	**0.03**	**- ****	**-0.10**
Sex	-	-0.02	-	0.05
Condition	**0.26 ****	**0.34**	**-0.43 ****	**-1.26**