

SUPPLEMENTARY MATERIAL

Table S1. Demographic characteristics of the dog

	Number	Percentage[#]	Chi square	P value
Gender				
Female	32	46.4%	0.36	0.547
Male	37	53.6%		
Age (months; median, first and third quartile)				
	24 (12, 36)		-	-
Size				
Small	17	24.6%	48.38	<0.001
Medium	49	71.0%		
Large	3	4.3%		
Breed				
Mixed	55	79.7%	286.60	<0.001
Group 1- Sheepdogs and Cattle dogs*	1	1.4%		
Group 2- Pinscher and Schnauzer - Molossoid and Swiss Mountain	1	1.4%		
Group 3 – Terrier	1	1.4%		
Group 6- Scent hounds and related breeds	5	7.2%		
Group 7- Pointing Dogs	3	4.3%		
Group 8 - Retrievers - Flushing Dogs - Water Dogs	2	2.9%		
Pitt bull	1	1.4%		
Coat				
Black and white	11	28.9%	17.42	0.026
Red and white	3	7.9%		
Fawn	5	13.2%		
Red	3	7.9%		
Gold - cream	2	5.3%		
Black	2	5.3%		
White	0	0.0%		
Liver	1	2.6%		
Tricolour	5	13.2%		
Grey	6	15.8%		

The prevailing category on the total number of participants is indicated in Italics (Chi-Square Goodness of Fit Tests).

Breed types were categorised according to Federation Cynologique Internationale (Federation Cynologique international n.d.).

Table S2. Matrix of the Pearson correlation coefficients. *P<0.05, **P<0.01 (2-tailed).

	Fecal Cortisol (Pg/Mg)^a	β-endorphin (pg/mg)	Leukocytes (WBC *109/L)	Lymphocytes (%)	Neutrophils (%)	Monocytes (%)
β-Endorphin (Pg/ML)	0.077					
Leukocytes (WBC *109/L)	-0.120	-0.045				
Lymphocytes (%)	-0.185	-0.054	-0.238*			
Neutrophils (%)	0.173	-0.002	0.180	-0.782**		
Monocytes (%)	0.150	-0.078	0.054	-0.151	0.060	
Basophils (%)^b	-	-	-	-	-	-
Lysozyme (Microgr/ML)^a	0.099	-0.204*	-0.101	0.061	-0.037	-0.126

a After logarithmic transformation.

b Cannot be computed because at least one of the variables is constant.