

S1 Table. Summary of pairwise analysis of hematologic analytes as markers of systemic dehydration.

Blood analyte	% change in the blood (mean \pm SEM)		Mann-Whitney p-value*
	Control (N=6)	Dehydrated (N=8)	
PCV	-0.09 \pm 1.26	15.64 \pm 1.74	0.0003
TPP	-0.27 \pm 1.66	16.27 \pm 1.92	0.0003
iSTAT Chem8+ Creatinine	7.01 \pm 3.22	49.44 \pm 7.78	0.0013
BUN	27.27 \pm 4.45	64.33 \pm 8.46	0.0023
Glucose	1.15 \pm 4.46	32.23 \pm 10.02	0.0593
Sodium	1.08 \pm 0.75	-1.32 \pm 0.50	0.0273
Chloride	3.00 \pm 1.54	-4.82 \pm 1.53	0.008
Potassium	-4.50 \pm 2.36	-11.60 \pm 2.79	0.2393; ns
Total CO ₂	3.42 \pm 9.34	15.09 \pm 15.57	0.9760; ns
iCa	-0.21 \pm 3.76	-6.86 \pm 2.00	0.2671; ns
Anion gap	-4.03 \pm 10.89	3.58 \pm 4.99	0.2684; ns
Hematocrit	-2.05 \pm 1.49	14.77 \pm 1.52	0.0003
Hemoglobin	-2.05 \pm 1.45	14.73 \pm 1.53	0.0003

PCV: packed cell volume; TPP: total plasma protein; BUN: blood urea nitrogen; iCa: ionized calcium

*Exact p-value: differences between control and dehydrated group are statistically significant when $p \leq 0.05$.

ns: non-significant