

Supplementary file

**Uncovering the physiological mechanisms underlying the roe deer (*Capreolus capreolus*) testicular cycle: analyses of gelatinases and VEGF patterns and correlation with testes weight and testosterone**

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**Table S1:** Descriptive statistics for the roe deer data divided per group.

	Pre-rut			Post-rut		
	mean (SD)	min ; max	normal distribution <i>p</i> value	mean (SD)	min; max	normal distribution <i>p</i> value
Age months	39 (15)	24; 72	0.037	32 (10)	15; 48	0.744
Body Weight kg	23.9 (6.0)	17.5; 32.5	0.788	22.0 (2.2)	19.0; 26.0	0.808
Height at the withers cm	74.58 (3.17)	69.30; 77.50	0.254	75.62 (2.99)	70.20; 78.00	0.021
Testicular Weight g	20.47 (5.26)	10.24; 26.61	0.358	11.11 (5.26)	7.20; 23.42	0.006
Testosterone pg/mg	917.39 (676.30)	248.87; 2419.75	0.121	281.18 (261.18)	48.22; 848.00	0.069
pro-MMP2 AU×10 <sup>5</sup>	2.24 (0.61)	9.84; 3.11	0.484	3.41 (1.01)	1.86; 5.45	0.806
VEGF 121 ΔCT	-2.40 (0.68)	-3.28; -1.33	0.551	-2.53 (0.58)	-3.46; -1.49	0.948
VEGF 165 ΔCT	-4.07 (0.63)	-4.75; -2.99	0.162	-4.38 (1.01)	-6.29; -2.73	0.885
VEGFR1 ΔCT	-5.08 (0.96)	-6.70; -3.08	0.335	-4.79 (0.66)	-5.69; -3.97	0.019
VGFR2 ΔCT	-2.80 (0.57)	-3.79; -1.80	0.899	-2.95 (0.50)	-3.50; -1.86	0.218
TIMP1 ΔCT	-0.90 (0.79)	-2.05; 0.09	0.398	-1.51 (0.88)	-2.74; -0.17	0.458
TIMP2 ΔCT	1.63 (0.74)	0.58; 2.50	0.105	1.44 (0.74)	0.19; 2.28	0.318

Normal distribution was assessed by means of the Shapiro–Wilk test (C.I. 95%).