

**Table 1.** Circulating testosterone and estradiol levels, the weight of the hippocampus and the corresponding stress-associated adrenal and thymus weight on diestrus-2 (DE-2) after low chronic emotional stress and on proestrus (PE) and estrus (E) after similar high chronic emotional stress

	<b>Diestrus-2 (DE-2)</b>	<b>Proestrus (PE)</b>	<b>Estrus (E)</b>
Age (days)	(6) 93.0 ± 1.23	(8) 97.0 ± 2.06	(8) 98.0 ± 1.62
Body weight (bw; gr)	(6) 164.6 ± 5.30	(8) 166.81 ± 3.80	(8) 172.92 ± 2.8
Duration of handling (days)	(6) 17.0 ± 1.84	(8) 16.23 ± 2.88	(8) 17.25 ± 1.41
Emotional Reactivity Score (ERS)	(6) 3.0 ± 1.09	(8) 14.0 ± 2.88	(8) 15.37 ± 3.60
ERS (logarithms)	(6) 0.3008 ± 0.155	(8) 1.078±0.109 <sup>++</sup>	(8) 1.10±0.106 <sup>++</sup>
Adrenal weight (mg/100 g bw)	(6) 24.09 ± 0.51	(8) 32.31 ± 1.80 <sup>***</sup>	(8) 36.36 ± 0.95 <sup>***</sup>
Thymus weight (mg/100 g bw)	(6) 256.4 ± 9.42	(8) 204.3 ± 9.89 <sup>**</sup>	(8) 210.83 ± 8.12 <sup>**</sup>
Hippocampal weight (mg/100 g bw)	(6) 70.76 ± 2.66	(8) 55.25 ± 3.48 <sup>+++</sup>	(8) 54.49 ± 3.17 <sup>+++</sup>
Testosterone (pg/mL)	(6) 265 ± 24.30 <sup>+</sup>	(8) 253.75 ± 56.06	(8) 151.0 ± 42.3
Testosterone Range	180-360	60-430	50-350
Estradiol (pg/mL)		(8) 58.47 ± 4.96 <sup>+</sup>	(8) 43.18 ± 4.46
Estradiol range		(8) 49-88	(8) 28-64
Testosterone/estradiol ratio		(8) 4.83 ± 1.10	(8) 3.48 ± 0.983

Values represent means±S.E.M. Number of samples is in parenthesis. <sup>\*\*</sup>P<0.01; <sup>\*\*\*</sup>P<0.001 versus DE-2 assessed by one-way ANOVA; <sup>+</sup> P<0.05 versus E by Student's t-test; <sup>++</sup>P<0.01 versus DE-2 by Student's test after logarithmic conversion of values; <sup>+++</sup> P<0.001 versus DE-2 by Student's t-test; <sup>+</sup> P<0.05 versus E.