

**Supplemental Table 3. Testosterone and age effects on LH secretion**

	Testosterone Dose (g)				ANOVA	Covariates
	0	2.5	5	7.5	P (dose)	P (age)
<b>LH Pulse</b>						
Frequency (no/24)	20 ± 1.2 <sup>A</sup>	17 ± 1.1 <sup>AB</sup>	15 ± 1.0 <sup>BC</sup>	12 ± 0.7 <sup>C</sup>	<10 <sup>-3</sup>	0.23
<b>Interpulse</b>						
Regularity (unitless)	2.9 ± 0.1	3.4 ± 0.4	3.6 ± 0.4	3.4 ± 0.3	0.42	0.08
<b>LH Secretary-</b>						
Burst Mass (IU/L)	2.5 ± 0.3 <sup>A</sup>	3.8 ± 0 <sup>B</sup>	4.0 ± 0.4 <sup>B</sup>	3.9 ± 0.4 <sup>B</sup>	0.0003	0.0043
<b>Basal LH</b>						
Secretion (IU/L/24 h)	121 ± 10 <sup>A</sup>	84 ± 12 <sup>B</sup>	71 ± 9 <sup>BC</sup>	53 ± 8 <sup>C</sup>	<10 <sup>-3</sup>	0.88
<b>Pulsatile LH</b>						
Secretion (IU/L/24 h)	26 ± 2.8 <sup>A</sup>	34 ± 3.6 <sup>A</sup>	33 ± 3.3 <sup>A</sup>	27 ± 2.8 <sup>A</sup>	0.024	0.0005

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Data are the mean  $\pm$  SEM. Repeated-measures ANOVA was used to assess the effects of T dose. The effect of age as a covariate is also shown.

Means with unique (unshared) alphabetic superscripts differ significantly ( $P < 0.05$ ) by *post hoc* testing.

No between-group contrasts were detected for T-dose effects on secretion.