

Table 3 : Expression of sst2 receptor, somatostatin (SRIH) and GHRH in PeN and VMH-Arcuate regions of steroid treated mice.

		Sham	GonadX	Sham + T	GonadX + T	Sham + E	GonadX + E	
PeN	Sst2-R	male	1.40 ± 0.17 (9)	1.50 ± 0.13 (9)	1.20 ± 0.16 (6)	0.93 ± 0.6 (7)	1.69 ± 0.15 (6)	
		female	1.49 ± 0.23 (10)	1.51 ± 0.13 (13)	2.24 ± 0.87 (7)	1.70 ± 0.24 (7)	1.19 ± 0.14 (6)	
	SRIH	male	37.93 ± 4.31 (9)	41.49 ± 4.69 (9)	36.96 ± 5.32 (6)	31.43 ± 1.94 (7)	47.77 ± 6.32 (6)	43.73 ± 4.13 (6)
		female	44.91 ± 8.2(10)	46.23 ± 6.11 (13)	56.60 ± 24.31 (7)	42.62 ± 8.44 (7)	59.12 ± 6.37 (6)	50.27 ± 5.89 (7)
VMH-Arc	Sst2-R	male	1.61 ± 0.13 (9)	1.67 ± 0.13 (9)	2.18 ± 0.79 (6)	1.45 ± 0.15 (7)	2.07 ± 0.22 (6)	1.99 ± 0.26 (6)
		female	1.63 ± 0.11 (10)	1.90 ± 0.23 (13)	1.64 ± 0.17 (7)	1.79 ± 0.2 (7)	1.81 ± 0.14 (6)	1.79 ± 0.24 (7)
	SRIH	male	50.27 ± 9.03 (9)	59.64 ± 10.06 (9)	44.50 ± 13.44 (6)	31.64 ± 2.67 (7)	65.38 ± 13.98 (6)	59.59 ± 9.03 (6)
		female	50.27 ± 6.5(10)	72.51 ± 18.35(13)	58.31 ± 8.23 (7)	60.22 ± 10.9(7)	30.59 ± 1.93 (6)	29.28 ± 2.77 (7)
	GHRH	male	5.20 ± 0.94 (9)	6.44 ± 1.49 (9)	5.48 ± 2.34 (6)	2.94 ± 0.27 (7)	7.35 ± 1.82 (6)	11.49 ± 2.77 (6) ***
		female	6.71 ± 1.23 (10)	5.80 ± 1.17 (13)	5.73 ± 0.95 (7)	4.42 ± 1.0 (7)	6.52 ± 0.73 (6)	5.63 ± 0.64 (7)

Relative gene expression levels are expressed as (number of copies target gene / number of copies 18S) x 10⁵ and are means ± SEM from 6 to 13 animals per group.

GonadX : gonadectomised, T : testosterone ; E : oestradiol.

*** : p<0.001 gonadX + E males versus gonadX + T males (one way ANOVA)