

Supplementary Table S1

Effects of ICV UCN1 administration on *c-fos* mRNA expression in specific brain nuclei

Brain region	Mean number of <i>c-fos</i> -positive cells/section ^a		
	PBS ^b	UCN1 ^b	<i>P</i> -value
PVN	9.1 ± 3.1	141.6 ± 18.1	<0.01
VMH	0.4 ± 0.4	29.3 ± 6.0	<0.05
LC	0 ± 0	6.3 ± 3.3	<0.05
NTS	1.0 ± 0.6	37.5 ± 2.4	<0.001
DMV	1.0 ± 0.7	1.9 ± 0.6	NS
RVLM	0.8 ± 0.5	13.1 ± 3.1	<0.05

^aEach value is presented as the mean ± SEM (n = 4). Each positive cell was counted unilaterally in PVN, paraventricular nucleus; LC, locus ceruleus; VMH, ventromedial hypothalamus; NTS, nucleus of the solitary tract; DMV, dorsal motor nucleus of the vagus; and RVLM, rostral ventrolateral medulla sections and averaged bilaterally for 1 section. *P*-values are derived from the Aspin-Welch *t*-test.

^bRats were injected ICV with either phosphate buffer saline (PBS) or urocortin 1 (UCN1, 300 pmol/rat) and euthanized 1-h later. The brain was processed for *c-fos* mRNA detected by *in situ* hybridization in specific brain nuclei.