

Table S1, In Situ Hybridization Histochemistry Experiments of Vasopressin pre-mRNA in the Supraoptic Nucleus

Manipulation	Change in Vasopressin hnRNA Expression From Control	Reference
<u>Acute salt load</u>		
2 M NaCl/ 0.7-0.8 % body weight i.p.	260 % (at 30 minutes post injection)	Herman et al 1991
1.5 M NaCl/1% body weight i.p.	~175 % (at 2 hours post injection)	Yue et al 2006
900 mOsmo/2% body weight i.p.	370 % (at 30 min post injection)	Arima et al 1999
900 mOsmo/2% body weight i.p.	~210 % (at 30 min post injection)	Kawasaki et al 2006
<u>Hypotension</u>		
Mean arteriol pressure reduced by 60%	150 % (at 30 minutes post hemorrhage)	Kakiya et al 2000
<u>Chemical messengers</u>		
Neuropeptide W-30 injection, ICV	167 % (at 30 minutes post injection)	Kawasaki et al 2006
PACAP injection, ICV	186 % (at 30 minutes post injection)	Nomura et al 1998
<u>Stress</u>		
Footshock	Reduced to ~65 % at 30 minutes	Onaka et al 2003
Nocioceptive stimulation (paraformaldehyde inj.)	~150% (at 30 minutes post injection)	Kurose et al 2001

Table S2, A Partial List of Neuropeptides Suitable for qRT-PCR Analysis Using Intronic Probes

Neuropeptide	Gene Symbol	Exons	Introns	Species
Cholecystokinin	CCK	3	2	Mouse, rat, human
Cocaine and Amphetamine Regulated Transcript	CART	3	2	Mouse, rat, human, cattle
Corticotropin Releasing Hormone	CRH	2	1	Mouse, rat, human
Galanin	GAL	6	5	Mouse, rat, human, cattle, dog
Hypocretin	HCRT	2	1	Mouse, rat, human, cattle, dog
Neuropeptide Y	NPY	4	3	Mouse, rat, zebrafish, human
Oxytocin	OXT	3	2	Mouse, rat, human, cattle
Prodynorphin	PDYN	4 (3)	3 (2)	Mouse, human, (rat)
Somatostatin	SST	2	1	Mouse, rat, human, cattle, dog
Tachykinin, precursor 1	TAC1	7 (5-7)	6 (4-6)	Mouse, rat, cattle, (human)
Vasoactive Intestinal Peptide	VIP	7	6	Mouse, rat
Vasopressin	AVP	3	2	Mouse, rat, human, cattle, dog

Note: Some exons can be untranslated.