

Neuropeptides

Gene Knockout/ Overexpression*	Background	Operant	2BC	DID	References
Neuropeptide Y, NPY (<i>Npy</i>)	129/SvEv		— 3 - 10% ↑ 20%		Thiele et al., 2000 [19]
	B6 × 129Sv		↑		Thiele et al., 1998 [74]
<i>Npy</i> *	B6 × 129Sv		↓		Thiele et al., 1998 [74]
NPY receptor type 1 (<i>Npy1r</i>)	B6		↑ 3 - 10%; males ↑ 10%; females		Thiele et al., 2002 [40]
NPY receptor type 2 (<i>Npy2r</i>)	129/SvJ × Balb/cJ Balb/cJ		↓ —		Thiele et al., 2004 [66] Thiele et al., 2004 [66]
NPY receptor Y5 (<i>Npy5r</i>)	129/SvEv		—		Thiele et al., 2000 [19]
Agouti-related protein (<i>AgRP</i>)	B6	↓ (2 h; males/females)	↓ (2 h; females)	— (2 h males/females) ↓ (4 h; males/females)	Navarro et al., 2009 [188]
Bradykinin B2 receptor (<i>Bdkrb2</i>)	J129Sv(/Ev) × B6		—		Maul et al., 2005 [98]
Galanin peptides (<i>Gal</i>)	129Ola/Hsd		↓ 15% females — males		Karatayev et al., 2010 [198]
<i>Gal</i> *	B6		↑ 15%, pre- and post-food deprivation; males — pre- and post-food deprivation; females		Karatayev et al., 2009 [197]
Ghrelin (<i>Ghrl</i>)	B6			— (90 min)	Jerlhag et al., 2011 [230]
	Not specified		↓		Bahi et al., 2013 [272]
Neurokinin-1 receptor, Substance P receptor (<i>Tacr1</i>)	B6		↓		Thorsell et al., 2010 [205]
Relaxin-3 receptor 1 (<i>Rxfp3</i>)	B6		— ↓ stress		Walker et al., 2015 [319]
Melanocortin receptor 3 (<i>Mc3r</i>)	B6		— males/females		Navarro et al., 2005 [107]
Melanocortin receptor 4 (<i>Mc4r</i>)	B6		— (6, 24 h; males/females)		Navarro et al., 2011 [224]

Neurotensin receptor type 1 (<i>Ntsr1</i>)	B6 × 129X1/SvJ	↑	Lee et al., 2010 [204]
Neurotensin receptor type 2 (<i>Ntsr2</i>)	B6 × 129X1/ SvJ	↑	Lee et al., 2011 [222]
Oxytocin receptor (<i>Oxtr</i>)	B6	↑ females — males	Rodriguez et al., 2020 [378]

—, ↓, ↑: no significant difference, decreased ethanol intake and/or preference, or increased ethanol intake and/or preference, respectively, in mutant vs. wildtype mice. Male mice were tested unless otherwise indicated. Ethanol intake in the two-bottle choice (2BC) tests was measured in 24-h sessions, unless indicated otherwise. Drinking session times for the other tests are indicated in parenthesis. DID, drinking in the dark. Recommended mouse protein and gene (in italics) names are from Uniprot. B6 refers to C57BL/6J mice.