

6.3. Neuropeptide processing enzymes sequences analysed in this study

Prohormone convertase (PC2)

BN1106_s2040B000112

MRSETSMTSTRLLFILTNILGYLIQSGLSRIHTNQWHVRLHGHREAPRLAQEI AKRYGFTVISKQ
PYLQPNFLVHHGLPKGHNQPSALHTERLARHPAVHSARQLEGLIRKKRGYRSLDDETLTRIPL
QPFRKLTEKELLIARSLSESDPLFDKEWYLYNTGQADGVPGLDLNVLGAWAQNV TGRGVITAI
MDDGIDY LHPDLAPNYAAEASYDFSSNDAFPYPRYTDDWFNSHGTRCAGEVSAVAGNHICG
VGVAPDSRVAGLRMLDQPYMTDLIEAAAMGYARDLVDIYSASWGPTDDGTTVDGPRNQTM
RALVEGVNNGRRGKGS LYVWASGDGGQNDDCNC DG YAASMWTISINSITNDGHVAIYDESC
SSTLASTFSNGKKPFRRDAGVGTVDLYGNCTTHHSGTSAAAPEAAGVFALALEANPDLTWRD
VQHLTVVTSKRNHLYDREHTHNWTINGAGLEFNHLFGFGVLDAGDMVRLAKKWRTVPERFH
CIAGSFVGRKTVRLLLEPIEVELSTNACRGNAENQVLIIF

Peptidylglycine α -hydroxylating monooxygenase (PHM)

BN1106_s2982B000132

MQCTYTGRATLHPFAFRVHAHSHGVMNEGNVIHDGRKYLIGKMSPQEPQTYYL TENKTL LVH
PNDVLEAECHMVNKENREVP MGHTRQDEMCNFYMMYSVPWKDKDQLDSA EFQVCDDTK
LKEKMDKLEREVKLT LGKDFEDEEEEEEDKGD PFEELLPGSDFYGD RDFGLDTMGGY

Peptidyl- α -hydroxyglycine α -amidating lyase (PAL)

BN1106_s1643B000114

MVREKCAPRCCVINIFLVLLVKLAQGYLQSDYLTEDEETGNILFPDASLMEAE LVGKPRLSLVSE
WPLVEAYQHVG LVSAAAVVNKSSSDVFILNRGDRIWDSTTFDKNDIYQKRELGP IRDGVVVRL
KEGQFQNSYLHNTLYLPHGITVDHQGNVWITDTAMHQVFKFGPDLNPNPILVIGEMFVPGSD
GNHFCKPTHVVVLKSGEFFVADGYCNNRIMKFHSNGTFIK EWSKRSKSNDNTYYDFKLP HQLA
FSEELDLLCVADREKLRVLCYRVA AKESSESQ LKELIYEFPETGPRDVGPVYGVAIAPKERILFALA
GEEQSGVPTAVYMF SLETGETLGYMTGENGNYGYAHS LASCDDTTEPGCLIVCSLD PPTNQW
GEIQRRLLWLYQFNANR