

Hormone

Vasotocin

ATGCCTGAAGTCTCCCTTCAGTGTGCTTTCTATGCCTTCTTGCCTTGTCTTCAGCATGCTATATACAGAACTGT
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Mesotocin

ATGTCCTTGACTTCCATTCTTTATGTTTTATTTGCCTCTGTGCTTTGACTTCAGCCTGCTACATTAGAATTGT
M S C T S I S L C F I C L C A L T S A C Y I Q N C

Neurophysin

P R G G K R S F T D T D I R Q
 CCCAGAGGAGGAAAGAGATCTTTTCACAGATACAGACATCAGACAGgtaaggtattactgtatagt.....

 CCATTTGGAGGGAAACGGTCAGTCTTGGACGCAGAAATTAGAAAGgtaagctattgtt-tattttc.....
 P I G G K R S V L D A E I R K

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          C I P C G S G S R G Q C F G P N I C
..cttttcttctcccactgcagTGTATCCCATGTGGTCTTGGCAGTAGAGGTCAAGTGTTTTGGCCCCAACATTG
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..gtttccccccccccaccagTGTATCCCATGTGGTCTTGGAAACAGAGGTCAAGTGTTTTGGCCCCAACATTG
          C I P C G P G N R G Q C F G P N I C

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C G E E F G C Y F G T S E T Q R C L E E N Y L P S
 CTGTGGGGAAGAGTTCGGCTGTTACTTTGGCATCAGAGACTCAGAGGTGTCTGGAGGAGAACTACCTGCCATC

 CTGTGGGGAAGAGTTCGGCTGTTACTTTGGCATCAGAGACTCAGAGGTGTCTGGAGGAGAACTACCTGCCATC
 C G E E F G C Y F G T S E T Q R C L E E N Y L P S

P C E A G G K P C G T N G A R C A A P G I C C S D
 TCCCTGTGAGGCTGGAGGAAAGCCCTGTGGAACAAATGGAGCAAGATGTGCAGCACCAGGAATTTGCTGCAGTGA

 TCCCTGTGAGGCTGGAGGAAAGCCCTGTGGAACAAATGGAGCAAGATGTGCAGCACCAGGAATTTGCTGCAGTGA
 P C E A G G K P C G T N G A R C A A P G I C C S D

TGgtaaattcagctttatagtt.....tntttttctttttcttaaa**D S C S V D P A**
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TGgtaaagtccatttcatactg.....tgtctttccttttcttccag**E S C T L D S A**

Neurophysin

Sequential Arg residues

N-glycosylation site

C A E G D S G R **R R** V S F E R **N T T** H M N D A A N
 TGTGCTGAGGGCGATAGTGGGAGAAGGAGGGTATCTTTGAAAGAAACACAACCCACATGAATGATGCTGCTAAT
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 TGTAACTCGGAGTTCGTATTCTCCTGA
 C N L E F V F S *

Leucine-rich core segment

D F **L L K L** M R M A N R Q Q E G R N Q I Y *

GACTTTCTCCTCAAACCTGATGCGTATGGCCAACAGGCAGCAAGAAGGAAGAAATCAGATTTATTGA