

Sequence Alignment of Predicted Oxytocin-NeurophysinI construct sequence against assembled DNA

>Assembled K314100_oxytocin_neurophysinI_pSB1C3

NNNNNNNNNNNANNTATAAAAATAGGCGTATCACGAGGCAGAATTTTCAGATAAAAAAATCCTTAGCTTTCGCTAAGGATG
 ATTTCTGGAATTCGCGGCCGCTTCTAGAGACGCGCCCTGTAGCGGGCATTAAAGCGCGGCGGGTGTGGTGGTTACGCGCA
 GCGTGACCGCTACACTTGCCAGCGCCCTAGCGCCCGCTCCTTTTCGCTTTCTTCCCTTCCTTTCTCGCCACGTTTCGCCGGC
 TTTCCCGTCAAGCTCTAAATCGGGGGCTCCCTTTAGGGTTCGGATTTAGTGCTTTACGGCACCTCGACCCCAAAAAACT
 TGATTAGGGTGTGGTTCACGTAGTGGCCATCGCCCTGATAGACGGTTTTTCGCCCTTTGACGTTGGAGTCCACGTCTCT
 TTAATAGTGGACTCTTGTTCCAAACCTGGAACAACACTCAACCCTATCTCGGTCTATTCTTTTGATTATAAGGGATTTTG
 CCGATTTTCGGCTATTGGTTAAAAAATGAGCTGATTTAACAAAAATTTAACCGCAATTTTAAACAAAATATTAACGTTTAC
 AATTTACTAGAGTTGACGGCTAGCTCAGTCTAGTACAGTGTCTAGCTACTAGAGAAAGAGGAGAAATACTAGATATGAA
 ATACCTGCTGCCGACCGCTGCTGCTGGTCTGCTGCTCCTCGCTGCCAGCCGGCGATGGCCTGTACATCCAGAACTGCC
 CGCTGGGTGGTAAACGCTGCTGCTCCGGACCTGGACGTTTCGTAATGCCTGCCGTGCGGTCCGGGTGGTAAAGGTCGTTGC
 TTCGGTCCGAACATCTGCTGCGCTGAAGAACTGGGTGCTTCGTTGTTACCGCTGAAGCTCTGCGTTGCCAGGAAGAAAA
 CTACCTGCCGTTCCGTTGCCAGTCTGGTCAGAAAGCTTGCGGNNCTGGNGNCGTTGCGCTGTNCTGGNTCTGTGCTGCT
 CTNCGACGGTTGCNACGCTGACCCGNTGNNACGCTGANCTACNNTCTCAGCGTCACCACNCCNACCCTAACTAGTCT
 GCAGTCNNAAAAANGGCNNNNNNNCCACCCNNCNTTTTNNNTTNANNAANNANNTNCCNTNNGNTNNTGNAGTNNNN
 NCTNNNNNANNNNNNNNNNNNNNGGNNNNNTNNGNNNNNNNNNNNN

>PredictedK314100-Oxytocin Sequence

ACGCGCCCTGTAGCGGCGCATTAAAGCGCGGCGGGTGTGGTGGTTACGCGCAGCGTGACCGCTACACTTGCCAGCGCCCTA
 GCGCCCGCTCCTTTTCGCTTTCTTCCCTTCCTTTCTCGCCACGTTTCGCCGGCTTTCCCGTCAAGCTCTAAATCGGGGCT
 CCCTTTAGGGTTCGGATTTAGTGCTTTACGGCACCTCGACCCCAAAAAACTTGATTAGGGTGTGGTTCACGTAGTGGC
 CATCGCCCTGATAGACGGTTTTTCGCCCTTTGACGTTGGAGTCCACGTTCTTTAATAGTGGACTCTTGTTCCAAACCTGGA
 ACAACACTCAACCCTATCTCGGTCTATTCTTTTGATTATAAGGGATTTTGCCGATTTTCGGCTATTGGTTAAAAAATGA
 GCTGATTTAACAAAAATTTAACCGCAATTTTAAACAAAATATTAACGTTTACAATTTACTAGAGTTGACGGCTAGCTCAGT
 CCTAGGTACAGTGTAGCTACTAGAGAAAGAGGAGAAATATGAAATACCTGCTGCCGACCGCTGCTGCTGGTCTGCTGCT
 CCTCGCTGCCAGCCGGCGATGGCCTGTACATCCAGAACTGCCCGCTGGGTGGTAAACGCTGCTGCTCCGGACCTGGACG
 TTCGTAATGCCTGCCGTGCGGTCCGGTGGTAAAGGTCGTTGCTTCGGTCCGAACATCTGCTGCGCTGAAGAACTGGGT
 TGCTTCGTTGGTACCCTGAAGCTCTGCGTTGCCAGGAAGAAAACCTGCCGCTCCTCGTCCAGTCTGGTCAGAAAGC
 TTGCGGTTCTGGTGGTGGTTCGCTGCTGCTGCTCCTCGGACGGTTGCCACGCTGACCCGGCTTTCGACG
 CTGAAGCTACCTTCTCAGCGTCACCACCACCACCACCTAA

Sequence Alignment

K314100oxyneuro-VF2_C04.ab1 Predicted	NNNNNNNNNNNANNTATAAAAATAGGCGTATCACGAGGCAGAATTTTCAGAT	50
K314100oxyneuro-VF2_C04.ab1 Predicted	AAAAAAAATCCTTAGCTTTCGCTAAGGATGATTCTGGAATTCGCGGCCG	100
K314100oxyneuro-VF2_C04.ab1 Predicted	CTTCTAGAGACGCGCCCTGTAGCGGCGCATTAAAGCGCGGCGGGTGTGGTG -----ACGCGCCCTGTAGCGGCGCATTAAAGCGCGGCGGGTGTGGTG	150 41
K314100oxyneuro-VF2_C04.ab1 Predicted	GTTACGCGCAGCGTGACCGCTACACTTGCCAGCGCCCTAGCGCCGCTCC GTTACGCGCAGCGTGACCGCTACACTTGCCAGCGCCCTAGCGCCGCTCC	200 91
K314100oxyneuro-VF2_C04.ab1 Predicted	TTTCGCTTTCTTCCCTTCCTTTCTCGCCACGTTTCGCCGGCTTTCCCGTCC TTTCGCTTTCTTCCCTTCCTTTCTCGCCACGTTTCGCCGGCTTTCCCGTCC	250 141
K314100oxyneuro-VF2_C04.ab1 Predicted	AAGCTCTAAATCGGGGGCTCCCTTTAGGGTTCGGATTTAGTGCTTTACGG AAGCTCTAAATCGGGGGCTCCCTTTAGGGTTCGGATTTAGTGCTTTACGG	300 191
K314100oxyneuro-VF2_C04.ab1 Predicted	CACCTCGACCCCAAAAAACTTGATTAGGGTGTGGTTCACGTAGTGGGCC CACCTCGACCCCAAAAAACTTGATTAGGGTGTGGTTCACGTAGTGGGCC	350 241

K314100Oxyneuro-VF2_C04.ab1
 Predicted
 ATCGCCCTGATAGACGGTTTTTCGCCCTTTGACGTTGGAGTCCACGTTCT 400
 ATCGCCCTGATAGACGGTTTTTCGCCCTTTGACGTTGGAGTCCACGTTCT 291

K314100Oxyneuro-VF2_C04.ab1
 Predicted
 TTAATAGTGGACTCTGTTCCAAAGTGAACAACACTCAACCCTATCTCG 450
 TTAATAGTGGACTCTGTTCCAAAGTGAACAACACTCAACCCTATCTCG 341

K314100Oxyneuro-VF2_C04.ab1
 Predicted
 GTCTATTCTTTTGATTTATAAGGGATTTTGCCGATTTTCGGCCTATTGGTT 500
 GTCTATTCTTTTGATTTATAAGGGATTTTGCCGATTTTCGGCCTATTGGTT 391

K314100Oxyneuro-VF2_C04.ab1
 Predicted
 AAAAAATGAGCTGATTTAACAAAAATTTAACGCGAATTTTAAACAAAATAT 550
 AAAAAATGAGCTGATTTAACAAAAATTTAACGCGAATTTTAAACAAAATAT 441

K314100Oxyneuro-VF2_C04.ab1
 Predicted
 TAACGTTTACAATTTACTAGAGTTGACGGCTAGCTCAGTCCTAGGTACAG 600
 TAACGTTTACAATTTACTAGAGTTGACGGCTAGCTCAGTCCTAGGTACAG 491

K314100Oxyneuro-VF2_C04.ab1
 Predicted
 TGCTAGCTACTAGAGAAAGAGGAGAAATACTAGATATGAAATACCTGCTG 650
 TGCTAGCTACTAGAGAAAGAGGAGAAATA-----TGAAATACCTGCTG 534

K314100Oxyneuro-VF2_C04.ab1
 Predicted
 CCGACCGCTGCTGCTGGTCTGCTGCTCCTCGCTGCCAGCCGGCGATGGC 700
 CCGACCGCTGCTGCTGGTCTGCTGCTCCTCGCTGCCAGCCGGCGATGGC 584

K314100Oxyneuro-VF2_C04.ab1
 Predicted
 CTGCTACATCCAGAAGCTGCCCGTGGGTGGTAAACGTGCTGCTCCGGACC 750
 CTGCTACATCCAGAAGCTGCCCGTGGGTGGTAAACGTGCTGCTCCGGACC 634

K314100Oxyneuro-VF2_C04.ab1
 Predicted
 TGGACGTTTCGTAATGCCTGCCGTGCCGGTCCGGGTGGTAAAGGTCGTTGC 800
 TGGACGTTTCGTAATGCCTGCCGTGCCGGTCCGGGTGGTAAAGGTCGTTGC 684

K314100Oxyneuro-VF2_C04.ab1
 Predicted
 TTCGGTCCGAACATCTGCTGCGCTGAAGAAGCTGGGTGCTTCGTTGGTAC 850
 TTCGGTCCGAACATCTGCTGCGCTGAAGAAGCTGGGTGCTTCGTTGGTAC 734

K314100Oxyneuro-VF2_C04.ab1
 Predicted
 CGCTGAAGCTCTGCGTTGCCAGGAAGAAAACCTACCTGCCGTCTCCGTGCC 900
 CGCTGAAGCTCTGCGTTGCCAGGAAGAAAACCTACCTGCCGTCTCCGTGCC 784

K314100Oxyneuro-VF2_C04.ab1
 Predicted
 AGTCTGGTTCAGAAAGCTTGCAGGNNCTGGNGGNCGTGCGCTGTNCTGGNT 950
 AGTCTGGTTCAGAAAGCTTGCAGGNNCTGGNGGNCGTGCGCTGTNCTGGNT 834

K314100Oxyneuro-VF2_C04.ab1
 Predicted
 CTGTGCTGCTCTNCNGACGGTTGCNACGCTGACCCGNTGNNACGCTGANC 1000
 CTGTGCTGCTCTCCGACGGTTGCCACGCTGACCCGG----- 871

K314100Oxyneuro-VF2_C04.ab1
 Predicted
 TACNNTCTCAGCGTCACCACNCCNACCCTAAGTCTGCAGTCNNAA 1050

K314100Oxyneuro-VF2_C04.ab1
 Predicted
 AAANGGCNNNNNNCCACCCNNCNTTTTNNNTTNANNNAAANNANTNNC 1100
 -----C 872
 *

K314100Oxyneuro-VF2_C04.ab1
 Predicted
 NTNNGTNTNNTGNAGTNNNNNCTNNNNNANNNNNNNNNNNNGGNNNT 1150
 TTGCGACGCTGAAGCTACCTTCTCAGCGTCACCACCACCAC----- 915
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K314100Oxyneuro-VF2_C04.ab1
 Predicted
 NNGNNNNNNNNNN 1166
 ---CACCCTAA--- 924