ORF Finder results
Results for 10009 residue sequence "Untitled" starting "GCTATCGTAG"

>ORF number 1 in reading frame 1 on the direct strand extends from base 142 to base 297.
ATGCCCCACAGTTCCCTTCTTGGGAACAAGGAGCGGGTATCAGGCACAATTCAACGATTA
GCCCAAGACACCTTGCTTAGCCACACCCTCAAGGGAACTCAGCAGTGACAAACATTAAGC
CATAAGTGAAAACTTGACTTAGTTAAGGTTTCAAGA

>Translation of ORF number 1 in reading frame 1 on the direct strand.
MPHSSLLGNKERVSGTIQRLAQDTLLSHTLKGTQQWQTLSHKWKLDLVKVS*

>ORF number 2 in reading frame 1 on the direct strand extends from base 490 to base 585.
CACAAACTGGGATTAGATACCCCACTATGCCTAGCCTTAAACATTGATGGTCCGCTACCT
AAGCCATCCGCCCGGGAACTACGAGCATTAGCTTAA

>Translation of ORF number 2 in reading frame 1 on the direct strand.
HKLGLDTPLCLALNIDGPLPKPSARELRALA*

>ORF number 3 in reading frame 1 on the direct strand extends from base 613 to base 717.
ATCCACCTAGAGGAGCCTGTTCTAGAACCGATAACCCCCGTTCAACCTCACCTTTCCTTG
TTCAACCCGCCTATATACCACCGTCGTCAGCTTATCCTGTGAAGG

>Translation of ORF number 3 in reading frame 1 on the direct strand.
IHLEEPVLEPMTPVQPHLSLFNPPMYHRRQLILW*

>ORF number 4 in reading frame 1 on the direct strand extends from base 1225 to base 1323.
AAAAAGTACCGCAAGGGAAAGCTGAAAGAGAAATGAAAAAACCCAGTCAAGTCAAAAAAA
GCAGAGATTTATCCTCGTACCTTTTGCATCATGATTTAG

>Translation of ORF number 4 in reading frame 1 on the direct strand.
KKYRKGKLKEKWKNPVKSKKAEIYPRTFCIMI*

>ORF number 5 in reading frame 1 on the direct strand extends from base 1399 to base 1491.
CAGGGCACACCCATCTCTGTGGCAAAAGAGTGGGAGGATCTTTGAGTAGAGGTGATAAAC
CTACCGAACTTAGTTATAGCTGGTTGCCTGAGA

>Translation of ORF number 5 in reading frame 1 on the direct strand.
QGTPISVAKEWEDLWVEVMNLPNLVMAGCL*

>ORF number 6 in reading frame 1 on the direct strand extends from base 2245 to base 2478.
CCCTATGGAGCTTTAGGCGACGGACAGACTGTACTAAATAACCCTTATGAAGGAACAAAG
CATACAATTATTAAACCTGTCCTAATGCCTTTGGTTGGGGCGACCGCGGGGAAACAAAAA
ACCCCCACGTGGAATGGGATAACCTGTCCTCCAAACAAGAGCCCCCGCTCTAAAAAACAG
AACATCTGACCTTTATGATCCGGCAAAGCCGATCAACGAACCGAGTTACCCTAG

>Translation of ORF number 6 in reading frame 1 on the direct strand.
PYGALGDGQTVLNNPYEGTKHTIIKPVLMPLVGATAGKQKTPTWNGMTCPPNKSPRSKKQ
NIWPLWSGKADQRTELP*

>ORF number 7 in reading frame 1 on the direct strand extends from base 2821 to base 3831.
GCCCTTTCTACAGAGGTTCAAGTCCTCTCCTTAATTATGATCTCAACCCTTATTACCCAC
GTGATCTCCCCCCTGGCTTTCATCGTCCCTATTCTTCTGGCAGTAGCCTTCCTCACCTTA
GTTGAACGTAAAGTATTAGGCTACATGCAACTACGAAAAGGGCCAAATGTTGTAGGTCCA
TATGGACTCTTACAACCAATCGCAGACGGGGTAAAACTTTTCATTAAAGAGCCCGTACGA
CCATCCACATCTTCCCCACTACTATTCTTATTAACCCCGATACTTGCTCTAACACTAGCA
ATAACCCTATGAGCCCCCATACCCATACCATATCCTGTAGTCGACCTCAATCTGGGGATC
CTATTTGTCCTTGCCCTATCAAGCCTGGCAGTGTACTCTATTCTAGGCTCAGGCTGAGCA
TCCAACTCAAAATATGCCTTAATTGGAGCCCTACGAGCAGTAGCACAAACCATTTCCTAT
GAAGTAAGCCTCGGCCTAATTCTCCTCTGTATAATTATCTTTACAGGGGGATTTACCCTC
CAAACATTCAGTACTGCCCAAGAAAGCATTTGACTTGTTTTCCCAGCCTGACCAATGGCC
GCCATATGGTTTATTTCAACACTAGCAGAAACCAACCGAGCCCCTTTCGACCTAACCGAA
GGTGAATCCGAATTAGTATCAGGATTTAATGTAGAGTATGCCGGAGGCCCTTTCGCCTTG
TTTTTCCTAGCGGAATATGCTAACATTCTACTCATAAATACACTATCCGCAATTCTATTT
CTAGGAGCCTCCCACATCCCCTCACTACCAGAACTCACCTCATTTAATTTAATAACAAAA
GCAGCCTTCCTCTCGATTGCCTTTCTATGAGTCCGAGCCTCGTACCCACGGTTCCGATAC
GACCAACTAATACACCTAATCTGGAAAAACTTCCTACCCCTCACCCTAGCCCTGATCGTA
TGACATCTCGCCCTACCTGTAGCATTCGCAGGACTCCCCCCACAACTATAA

>Translation of ORF number 7 in reading frame 1 on the direct strand.
ALSTEVQVLSLIMISTLITHVISPLAFIVPILLAVAFLTLVERKVLGYMQLRKGPNVVGP
YGLLQPIADGVKLFIKEPVRPSTSSPLLFLLTPMLALTLAMTLWAPMPMPYPVVDLNLGI
LFVLALSSLAVYSILGSGWASNSKYALIGALRAVAQTISYEVSLGLILLCMIIFTGGFTL

QTFSTAQESIWLVFPAWPMAAMWFISTLAETNRAPFDLTEGESELVSGFNVEYAGGPFAL
FFLAEYANILLMNTLSAILFLGASHIPSLPELTSFNLMTKAAFLSIAFLWVRASYPRFRY
DQLMHLIWKNFLPLTLALIVWHLALPVAFAGLPPQL*

>ORF number 8 in reading frame 1 on the direct strand extends from base 3943 to base 5094.
TCAAAACTCTCAGTGCTTCCACTACACCACTTCCTAGTAAAGTCAGCTAAATTAAGCTTT
TGGGCCCATACCCCAAACATGTTGGTTAAAATCCTTCCCTTACTAATGAGTCCTTACATC
TTAGCCACCTTACTATTCAGCTTAGGCTTAGGAACCACAATCACATTCATAAGCTCCCAC
TGACTCCTAGCTTGAATGGGCCTAGAAATTAACACCCTGGCCATTATTCCCCTAATAACA
CATCAGTACCACCCCCGAGCGATCGAAGCTGCCACAAAATATTTTTTAGCCCAAGCTACA
GCCGCCGCAACCCTTATATTCGCTAGCACAACAAATGCATGACTAACTGGACAATGAGAT
ATTCAACAAATATCCCACCCCTTACCAGTCACAATAATTACTATTGCCCTCGCCTTAAAG
CTTGGCCTAGCCCCACTACACTCTTGACTGCCAGAAGTCCTGCAAGGACTAAACCTTACC
ACAGGGCTCATCATGTCCACCTGACAAAAACTTGCCCCTTTTGCCCTATTATTGCAAACA
CAACCAACCAACTCAAACCTACTTATTTTCCTTGGACTTACGTCTACCCTTGTAGGGGGT
TGAGGAGGACTAAACCAAACACAACTACGAAAAATCCTAGCCTACTCCTCAATCGCGCAC
TTAGGATGGATGGTATTAATCATTCAATTCTCCCCATCCCTAACACTCCTAACATTAATT
ACATACCTGACTATAACCACCGCAACATTCCTAGTTTTTAAATTAAACACCTCCACTAAC
ATTAATACCCTAGCCACCTCTTGAGCAAAAACCCCAGTACTTACCTCCCTCACCCCCCTA
GTACTCCTCTCACTAGGAGGTCTCCCCCCCTCTAACAGGCTTCATGCCGAAATGACTCATT
CTCCAAGAATTAACAAAACAAGACCTAGCCCTACCCGCCACACTAGCGGCACTAACCGCA
CTATTAAGCCTGTACTTTTACCTCCGAATTACCTACGCATCCACCCTAACAATTTCTCCC
AACACCCCCACAGGAACCACCCCCTGACGACTCCAATCTACACAATCAACACTCCTATTA
ACCGCCACCACAACCGCTACAATCTGCCTCCTTCCACTTACACCCGCTCTAATAGCACTC
CTCACTACCTAG

>Translation of ORF number 8 in reading frame 1 on the direct strand.
SKLSVLPLHHFLVKSAKLSFWAHTPNMLVKILPLLMSPYILATLLFSLGLGTTITFMSSH
WLLAWMGLEINTLAIIPLMTHQYHPRAIEAATKYFLAQATAAATLMFASTTNAWLTGQWD
IQQMSHPLPVTMITIALALKLGLAPLHSWLPEVLQGLNLTTGLIMSTWQKLAPFALLLQT
QPTNSNLLIFLGLTSTLVGGWGGLNQTQLRKILAYSSIAHLGWMVLIIQFSPSLTLLTLI
TYLTMTTATFLVFKLNTSTNINTLATSWAKTPVLTSLTPLVLLSLGGLPPLTGFMPKWLI
LQELTKQDLALPATLAALTALLSLYFYLRITYASTLTISPNTPTGTTPWRLQSTQSTLLL
TATTTATICLLPLTPALMALLTT*

>ORF number 9 in reading frame 1 on the direct strand extends from base 5365 to base 5544.
TCTGCTTCTTCAGATTTGCAATCTGAAATGTTAAATACACCTCAGGGCTGGCAAGAAGAG
GACTTGAACCTCTGTACATGGGGCTACAATCCACCGCTTAACCCTCAGCCATCTTACCCG
TGGCAATTACACGTTGATTCTTCTCAACTAACCATAAAGACATCGGCACCCTTTACCTAA

>Translation of ORF number 9 in reading frame 1 on the direct strand.
SASSDLQSEMLNTPQGWQEEDLNLCTWGYNPPLNPQPSYPWQLHVDSSQLTMKTSAPFT*

>ORF number 10 in reading frame 1 on the direct strand extends from base 6130 to base 6243.
ATACCACATTTTTTGACCCTGCCGGAGGTGGAGACCCGATCCTCTATCAACACTTATTCT
GATTCTTCGGCCACCCAGAAGTCTACATTCTGATCCTTCCTGGCTTTGGAATAA

>Translation of ORF number 10 in reading frame 1 on the direct strand.
MPHFLTLPEVETRSSINTYSDSSATQKSTFWSFLALE*

>ORF number 11 in reading frame 1 on the direct strand extends from base 6439 to base 6534.
AAGTATTTAGCTGACTGGCCACGCTACATGGGGGGTGCAATCAAATGAGAAACTCCACTAC
TATGAGCCCTGGGCTTTATCTTCCTATTTACAGTAG

>Translation of ORF number 11 in reading frame 1 on the direct strand.
KYLADWPRYMGVQSNEKLHYYEPWALSSYLQ*

>ORF number 12 in reading frame 1 on the direct strand extends from base 6634 to base 6732.
GAGCCGTCTTCGCCATTGTCGCTGCTTTCGTCCACTGATTCCCACTATTCTCTGGTTATA
CCCTTCATAATACTTGAACAAAAATTCACTTTGGAGTAA

>Translation of ORF number 12 in reading frame 1 on the direct strand.
EPSSPLSLLSSTDSHYSLVMPFMMLEQKFTLE*

>ORF number 13 in reading frame 1 on the direct strand extends from base 6754 to base 6861.
CATTCTTCCCCCAACACTTCCTCGGCCTTGCAGGAATACCTCGACGCTACTCAGATTACC
CCGATGCTTACACCCTATGAAACACAGTGTCTTCAATTGGGTCTTTAG

>Translation of ORF number 13 in reading frame 1 on the direct strand.
HSSPNTSSALQEYLDATQITPMLTPYETQCLQLGL*

>ORF number 14 in reading frame 1 on the direct strand extends from base 7150 to base 7887.
CAGAATCGTGGGTTAAAACCCCACGTATCTTGCCAAACAATGGCCCATCCCTCACAACTA
GGATTTCAAGATGCAGCCTCACCTGTAATAGAGGAACTCCTACATTTTCACGACCACGCC
TTAATAATCGTATTTTTAATTAGCACGCTCGTTCTATATATTATTGTTGCCATGGTTTCA
ACCAAGCTCACAAACAAGTATATCCTAGATTCACAAGAAATTGAAATTATCTGAACAATT
CTTCCTGCAGTAATTTTAATCCTCATTGCCCTCCCCTCACTTCGAATTCTATACCTTATA
GATGAAATTAACGACCCCCATCTCACCATTAAAGCAATAGGTCACCAATGATACTGAAGC
TATGAATACACGGACTATGAAGACCTTGGATTTGACTCATACATAGTCCCCACACAAGAC
CTGGCCCCTGGCCAATTCCGACTCCTAGAAGCAGACCATCGAATGGTTGTTCCCATCGAG
TCCCCAGTCCGCGTACTTGTTTCGGCCGAAGATGTCCTTCACTCATGAGCCGTCCCCGCC
CTTGGTGTGAAAATAGATGCAGTACCCGGACGCCTAAATCAAACAGCTTTCATTACATCT
CGCCCAGGAGTTTTCTACGGGCAATGCTCAGAAATCTGCGGCGCAAACCATAGCTTTATA
CCAATCGTAGTTGAAGCCGTCCCATTAGAACACTTCGAAAACTGATCCTCCATAATACTT
GAAGACGCCTCGCTAAGA

>Translation of ORF number 14 in reading frame 1 on the direct strand.
QNRGLKPHVSCQTMAHPSQLGFQDAASPVMEELLHFHDHALMIVFLISTLVLYIIVAMVS
TKLTNKYILDSQEIEIIWTILPAVILILIALPSLRILYLMDEINDPHLTIKAMGHQWYWS
YEYTDYEDLGFDSYMVPTQDLAPGQFRLLEADHRMVVPIESPVRVLVSAEDVLHSWAVPA
LGVKMDAVPGRLNQTAFITSRPGVFYGQCSEICGANHSFMPIVVEAVPLEHFENWSSMML
EDASL*

>ORF number 15 in reading frame 1 on the direct strand extends from base 8044 to base 8160.
CTCACGTCTTCCCAAATGAATCCTCCCCCCAAAGCACCGAAAAACCAAAAACAGAATCTT
GAAACTGACCATGACACTAAGCTTCTTCGATCAATTTATAAGCCCCGTCTTCCTAGG

>Translation of ORF number 15 in reading frame 1 on the direct strand.
LTSSQMNPPPKAPKNQKQNLETDHDTKLLRSIYKPRLP*

>ORF number 16 in reading frame 1 on the direct strand extends from base 8161 to base 8268.
AATCCCTTTAATAGCCTTAGCCCTCCTCCTGCCATGAATTTTATTTCCAACTCCAACTGC
TCGATGACGAAACAACCGCCTCCTTACCCTACAAAACTGATTCATTAA

>Translation of ORF number 16 in reading frame 1 on the direct strand.
NPFNSLSPPPAMNFISNSNCSMTKQPPPYPTKLIH*

>ORF number 17 in reading frame 1 on the direct strand extends from base 8512 to base 8616.
AACCCCAACCCCCCTTATCCCAGTACTAATCATTATCGAAACTATCAGCCTATTCATCCG
CCCTTTAGCCCTTGGAGTCCGACTCACCGCCAATCTAACAGCAGG

>Translation of ORF number 17 in reading frame 1 on the direct strand.
NPNPPYPSTNHYRNYQPIHPPFSPWSPTHRQSNS*

>ORF number 18 in reading frame 1 on the direct strand extends from base 8788 to base 9582.
AAACGTCTAATGGCCCATCAAGCACACGCATACCATATGGTCGACCCCAGCCCTTGACCA
TTAACAGGCGCCATCGCCGCCTTGTTAATGACATCTGGCCTAGCAATTTGATTCCACTAC
AACTCAACAACCTTAATATCACTTGGCACCATCCTCCTGCTATTAACAATATACCAATGA
TGACGAGACATCGTCCGAGAAGGCACATTCCAGGGACACCACACCCCACCCGTACAAAAA
GGCCTACGATATGGAATAATTTTATTCATCACATCAGAAGTATTTTTCTTTCTAGGCTTT
TTCTGAGCCTTTTACCATTCAAGCCTAGCCCCTACTCCAGAATTAGGAGGTTGCTGACCC
CCTACTGGAATCACACCCCTCGACCCCTTTGAAGTACCCCTCCTAAACACCGCAGTCCTG
TTAGCCTCAGGTGTGACCGTAACATGAGCCCACCACAGCATTATAGAAGGGGAACGAAAA
CAAGCCATTCAATCACTCTTCCTCACAATCCTTCTTGGATTTTACTTTACATTTCTTCAA
GCAATAGAATACTATGAAGCCCCTTTTACTATTGCAGACGGCGTTTACGGATCAACCTTC
TTTGTAGCAACGGGATTCCACGGCCTACATGTAATTATTGGATCCACATTCCTAGCCGTA
TGCCTTATCCGCCAAATCCAGTTCCACTTTACATCAGAACATCACTTCGGATTTGAAGCT
GCTGCATGATACTGACACTTTGTTGACGTAGTCTGACTATTCCTCTATATCTCCATCTAC
TGATGAGGCTCATAA

>Translation of ORF number 18 in reading frame 1 on the direct strand.
KRLMAHQAHAYHMVDPSPWPLTGAIAALLMTSGLAIWFHYNSTTLMSLGTILLLLTMYQW
WRDIVREGTFQGHHTPPVQKGLRYGMILFITSEVFFFLGFFWAFYHSSLAPTPELGGCWP
PTGITPLDPFEVPLLNTAVLLASGVTVTWAHHSIMEGERKQAIQSLFLTILLGFYFTFLQ
AMEYYEAPFTIADGVYGSTFFVATGFHGLHVIIGSTFLAVCLIRQIQFHFTSEHHFGFEA
AAWYWHFVDVVWLFLYISIYWWGS*