

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 2821 to base 3831.

GCCCTTTCTACAGAGGTTCAAGTCTCTCTTAATTATGATCTCAACCTTATTACCCAC
GTGATCTCCCCCTGGCTTTCATCGTCCCTATTCTTCTGGCAGTAGCCTTCCTCACCTTA
GTTGAACGTAAAGTATTAGGCTACATGCAACTACGAAAAGGGCCAAATGTTGTAGGTCCA
TATGGACTCTTACAACCAATCGCAGACGGGGTAAAACCTTTTCATTAAAGAGCCCGTACGA
CCATCCACATCTTCCCACTACTATTCTTATTAACCCCGATACTTGCTCTAACACTAGCA
ATAACCCTATGAGCCCCCATACCCATACCATATCCTGTAGTCGACCTCAATCTGGGGATC
CTATTTGTCCTTGCCCTATCAAGCCTGGCAGTGTACTCTATTCTAGGCTCAGGCTGAGCA
TCCAACCTAAAAATATGCCTTAATTGGAGCCCTACGAGCAGTAGCACAAACCATTTTCCTAT
GAAGTAAGCCTCGGCCTAATTCCTCTGTATAATTATCTTTACAGGGGGATTTACCCTC
CAAACATTTCAGTACTGCCCAAGAAAGCATTTGACTTGTTTTCCAGCCTGACCAATGGCC
GCCATATGGTTTTATTCAACACTAGCAGAAACCAACCGAGCCCCCTTTCGACCTAACCGAA
GGTGAATCCGAATTAGTATCAGGATTTAATGTAGAGTATGCCGGAGGCCCTTTCGCCTTG
TTTTTCCTAGCGGAATATGCTAACATTCTACTCATAAATACACTATCCGCAATTCTATTT
CTAGGAGCCTCCACATCCCCCTACTACCAGAACTCACCTCATTTAATTTAATAACAAAA
GCAGCCTTCCTCTCGATTGCCCTTCTATGAGTCCGAGCCTCGTACCCACGGTTCGATAC
GACCAACTAATACACCTAATCTGGAAAAAATTCTACCCCTCACCTAGCCCTGATCGTA
TGACATCTCGCCCTACCTGTAGCATTCGCAGGACTCCCCCACAACATAA

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

ALSTEVQVLSLIMISTLIHVISPLAFIVPILLAVAFLLVERKVLGYMQLRKGNVVG
YGLLQPIADGVKLFKEPVRPSTSSPLFLLLTPMLALTLAMTLWAPMPMPYPVVDNLGI
LFVLALSSLAVYSILGSGWASNSKYALIGALRAVAQTISYEVSGLILLCMIIFTGGFTL
QTFSTAQESIWLVPFPAWMAAMWFISTLAETNRPFDLTEGESELVSGFNVEYAGGPFAL
FFLAEYANILLMNTLSAILFLGASHIPSLPELTFSNLMTKAAFLSIAFLWVRASYPRFRY
DQLMHLIWKNFLPLTLALIVWHLALPVAFAGLPPQL*

>ORF number 2 in reading frame 1 on the direct strand extends from base 3943 to base 5094.

TCAAACTCTCAGTGCTTCCACTACACCACTTCCTAGTAAAGTCAGCTAAATTAAGCTTT
TGGGCCCATACCCCAAACATGTTGGTTAAAATCCTTCCCTTACTAATGAGTCCTTACATC
TTAGCCACCTTACTATTACGCTTAGGCTTAGGAACCAACATCACATTCATAAGCTCCAC
TGACTCCTAGCTTGAATGGGCCTAGAAATTAACACCCTGGCCATTATTCCCCTAATAACA
CATCAGTACCACCCCGAGCGATCGAAGCTGCCACAAAATATTTTTTAGCCCAAGCTACA
GCCGCCGAACCCCTTATATTGCTAGCACAACAAATGCATGACTAACTGGACAATGAGAT
ATTCAACAAATATCCCACCCCTTACCAGTCACAATAATTACTATTGCCCTCGCCTTAAAG
CTTGGCCTAGCCCCACTACACTCTTGACTGCCAGAAGTCCTGCAAGGACTAAACCTTACC
ACAGGGCTCATCATGTCCACCTGACAAAAAATTGCCCTTTTGCCTATTATTGCAAACA
CAACCAACCAACTCAAACTACTTATTTTCCTTGACTTACGTCTACCCTTGAGGGGT
TGAGGAGGACTAAACCAACACAACCTACGAAAAATCCTAGCCTACTCCTCAATCGCGCAC
TTAGGATGGATGGTATTAATCATTCATTCTCCCATCCCTAACACTCCTAACATTAATT
ACATACCTGACTATAACCAACCGCAACATTCCTAGTTTTTTAAATTAACACCTCCACTAAC
ATTAATACCCTAGCCACCTCTTGAGCAAAAACCCAGTACTTACCTCCCTACCCCCCTA
GTACTCCTCTCACTAGGAGGTCTCCCCCTCTAACAGGCTTCATGCCGAAATGACTCATT
CTCCAAGAATTAACAAAACAAGACCTAGCCCTACCCGCCACACTAGCGGCACTAACCGCA
CTATTAAGCCTGTACTTTTACCTCCGAATTACCTACGCATCCACCCTAACAATTTCTCCC
AACACCCCCACAGGAACCAACCCCTGACGACTCCAATCTACACAATCAACACTCCTATTA
ACCGCCACCACAACCGCTACAATCTGCCTCCTTCCACTTACACCCGCTCTAATAGCACTC
CTCACTACCTAG

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

SKLSVPLPHHFLVKSAKLSFWAHTPNMLVKILPLLMSPIYILATLLFSLGLGTTITFMSSH
WLLAWMGLEINTLAIPLMTHQYHPRAIEAATKYFLAQATAAATLMFASTTNAWLTGQWD
IQQMSHPLPVTMITIALALKLGLAPLHSLWLEVLQGLNLTGLIMSTWQKLAPFALLLQT
QPTNSNLLIFLGLTSTLVGGWGGNLQTLRKILAYSSIAHLGWMVLIQFSPSLTLLTLI
TYLMTTATFLVFKLNTSTNINTLATSWAKTPVLTSPLVLVLSLGLPPLTGMPKWLI
LQELTKQDLALPATLAALTALLSLYFYLRITYASTLTISPNTPTGTPWRLQSTQSTLLL
TATTTATICLLPLPALMALLTT*

>ORF number 3 in reading frame 1 on the direct strand extends from base 7150 to base 7887.

CAGAATCGTGGGTAAAAACCCACGATATCTTGCCAAACAATGGCCCATCCCTCACAACTA
GGATTTCAAGATGCAGCCTCACCTGTAAATAGAGGAACTCTACATTTTCACGACCACGCC
TTAATAATCGTATTTTTAATTAGCACGCTCGTTCTATATATTATTGTTGCCATGGTTTCA
ACCAAGCTCACAAACAAGTATATCCTAGATTACAAGAAATTGAAATTATCTGAACAATT
CTTCCTGCAGTAATTTAATCCTCATTGCCCTCCCCTCACTTCGAATTCTATACCTTATA
GATGAAATTAACGACCCCATCTCACCATTAAAGCAATAGGTACCAATGATACTGAAGC
TATGAATACACGGACTATGAAGACCTTGGATTTGACTCATACATAGTCCCACACAAGAC
CTGGCCCTGGCCAAATCCGACTCCTAGAAGCAGACCATCGAATGGTTGTTCCCATCGAG
TCCCCAGTCCGCGTACTTGTTTCGGCCGAAGATGTCCTTCACTCATGAGCCGTCCCCGCC
CTTGGTGTGAAAAATAGATGCAGTACCCGGACGCCTAAATCAAACAGCTTTCATTACATCT

CGCCCAGGAGTTTTCTACGGGCAATGCTCAGAAATCTGCGGCGCAAACCATAGCTTTATA
CCAATCGTAGTTGAAGCCGTCCTTAGAACAACCTTCGAAAACCTGATCCTCCATAATACTT
GAAGACGCCTCGCTAAGA

>Translation of ORF number 3 in reading frame 1 on the direct strand.
QNRGLKPHVSCQTMHPSQLGFQDAASPVMEELLHFHDHALMIVFLISTLVLYIIVAMVS
TKLTNKYILDSQEIEIWIILPAVILILIALPSLRILYLMDEINDPHLTIKAMGHQWYWS
YEYTDYEDLGFDSYMPVTQDLAPGQFRLLEADHRMVVPIESPVRVLVSAEDVLHSAVPA
LGVKMDAVPGRNLNQTAFITSRPGVFYGCSEICGANHSFMPIVEAVPLEHFENWSSMML
EDASL*

>ORF number 4 in reading frame 1 on the direct strand extends from base 8788 to base 9582.
AAACGTCTAATGGCCCATCAAGCACACGCATACCATATGGTCGACCCAGCCCTTGACCA
TTAACAGGCGCCATCGCCGCTTGTTAATGACATCTGGCCTAGCAATTTGATTCCACTAC
AACTCAACAACCTTAATATCACTTGGCACCATCCTCCTGCTATTAACAATATACCAATGA
TGACGAGACATCGTCCGAGAAGGCACATTCCAGGGACACCACACCCACCCGTACAAAAA
GGCCTACGATATGGAATAATTTTATTCATCACATCAGAAGTATTTTTCTTTCTAGGCTTT
TTCTGAGCCTTTTACCATTCAAGCCTAGCCCCCTACTCCAGAATTAGGAGGTTGCTGACCC
CCTACTGGAATCACACCCCTCGACCCCTTTGAAGTACCCCTCCTAAACACCGCAGTCCTG
TTAGCCTCAGGTGTGACCGTAACATGAGCCCACCACAGCATTATAGAAGGGGAACGAAAA
CAAGCCATTCAATCACTCTTCCCTCACAACTCCTTCTGGATTTTACTTTACATTTCTTCAA
GCAATAGAATACTATGAAGCCCTTTTACTATTGCAGACGGCGTTTACGGATCAACCTTC
TTTGTAGCAACGGGATTCCACGGCTACATGTAATTATTGGATCCACATTCCTAGCCGTA
TGCCTTATCCGCCAAATCCAGTTCCACTTTACATCAGAACATCACTTCGGATTTGAAGCT
GCTGCATGATACTGACACTTTGTTGACGTAGTCTGACTATTCCTCTATATCTCCATCTAC
TGATGAGGCTCATAA

>Translation of ORF number 4 in reading frame 1 on the direct strand.
KRLMAHQAHAYHMVDPSWPLTGAIALLMTSGLAIWFHYNSTTLMSLGTILLLLTMYQW
WRDIVREGTFQGHHTPPVQKGLRYGMILFITSEVFFFLGFFWAFYHSSLAPTPELGGCWP
PTGITPLDPFEVPLLNTAVLLASGVTVTAHHSIMEGERKQAIQSLFLTILLGFYFTFLQ
AMEYYEAPFTIADGVYGSTFFVATGFHGLHVIIGSTFLAVCLIRIQIFHFTSEHHGFEEA
AAWYWHFVDVWVLFYISIWWS*

>ORF number 1 in reading frame 2 on the direct strand extends from base 8099 to base 8797.
ATCTTGAAACTGACCATGACACTAAGCTTCTTCGATCAATTTATAAGCCCCGTCTTCCTA
GGAATCCCTTTAATAGCCTTAGCCCTCCTCCTGCCATGAATTTTATTTCCAACCTCAACT
GCTCGATGACGAAACAACCGCCTCCTTACCCTACAAAACCTGATTCATTAATCGATTCACT
CAACAACCTACTACTCCCAATAAGCCTCGGAGGCCATAAATGAGCCCTACTGCTCACATCA
TTAATACTATTCTCATTACCCTTAATATGCTAGGACTTCTTCCCTACACCTTTACCCCC
ACAACCTCAACTATCACTTAACATAGGACTCGCCGTCCTCCACTGACTTGCCACAGTAATT
ATTGGGATACGAAACCAACCAACCTTGCCTAGGCCACCTGCTCCTGAAGGAACCCCA
ACCCCCCTTATCCAGTACTAATCATTATCGAAACTATCAGCCTATTCATCCGCCCTTTA
GCCCTTGGAGTCCGACTCACCGCCAATCTAACAGCAGGCCACCTACTAATTCAACTAATT
GCCACCGCAGCTAACGTCCTCTTACCTCTAATGCCAACAGTGGCCATTCTCACAGCCACC
CTCCTTTTCTCCTCACCTTACTAGAAGTCGCTGTTGCTATAATTCAAGCCTACGTATTT
GTCCTCCTACTAAGCCTCTACCTACAAGAAAACGTCTAA

>Translation of ORF number 1 in reading frame 2 on the direct strand.
ILKLTMTLSFFDQFMSPVFLGIPLMALALLLPWILFPTPTARWRNNRLLTLQNWFINRFT
QQLLLPMSLGGHKWALLLTLMLFLITLNLMLGLLPYFTPTTQLSLNMGLAVPLWLATVI
IGMRNQPTIALGHLLPEGTPTLIPVLIIETISLFIQPLALGVRLTANLTAGHLLIQLI
ATAANVLLPLMPTVAILTATLLFLLTLLEVAVAMIQAYVFVLLLSLYLQENV*

>ORF number 1 in reading frame 3 on the direct strand extends from base 5466 to base 7034.
CCCTCAGCCATCTTACCCGTGGCAATTACACGTTGATTCTTCTCAACTAACCATAAAGAC
ATCGGCACCCTTTACCTAATTTTTTGGTGCTTGAGCTGGGATAGTAGGTACAGCCTTAAGC
TTGCTAATCCGAGCAGAATTAAGCCAACCCGGCGCTCTCTTAGGCGACGATCAAATTTAT
AATGTTATCGTCACAGCACATGCTTTTCGTAATAATTTTCTTTATAGTAATACCAATTATG
ATTGGAGGCTTTGGAAATTGATTAATCCATTAATGATTGGAGCCCCTGATATAGCATTT
CCCCGAATAAATAATATGAGCTTTTGACTTTTACCTCCCTCACTCCTCTCTACTCGCT
TCTTCAAGCGTAGAAGCCGGGGCCGGAACCTGGATGAACAGTGTATCCCCCTCTTGCTGGT
AATTTAGCCCATGCAGGGGCTTCCGTAGACCTAACTATTTTTTCTCTTACCTAGCAGGT
ATTTCTGTAATCCTCGGAGCAATTAATTTTATTACAACAATTATTAATATGAAACCCCT
GCCATCTCCAGTATCAGACACCACTATTCGTCTGAGCAGTCCTAATCACAGCCGTTCTC
CTTCTCCTCTCCCTTCTGCTAGCCGCCGGAATTACGATATTACTTACCGACCGAAAT
TTAAATACCACATTTTTTGACCCTGCCGGAGGTGGAGACCCGATCCTCTATCAACACTTA
TTCTGATTCTTCGGCCACCCAGAAGTCTACATTCTGATCCTTCTGGCTTTGGAATAATT
TCACATATTGTTGCCACTATTACAGGTAAAAAAGAACCTTTTCGGCTACATGGGGATAGTC
TGAGCTATAATGGCCATTGGACTCCTTGGCTTCATCGTTTGAGCCCATCACATGTTTACA
GTAGGAATGGATGAGACACCCGAGCCTACTTTACCTCAGCCACAATAATTATTGCAATT
CCAACCTGGTGTAAAGTATTTAGCTGACTGGCCACGCTACATGGGGTGCAATCAAATGA

GAAACTCCACTACTATGAGCCCTGGGCTTTATCTTCCTATTTACAGTAGGAGGCCTAACA
GGCATTGTGTTAGCAAATTCATCACTTGATATTGTACTTCATGATACATATTATGTAGTA
GCCCCACTTCCACTACGTATTGTCAATAGGAGCCGCTTCGCCATTGTCGCTGCTTTCGTC
CACTGATTCCCACTATTCTCTGGTTATACCTTCATAATACTTGAACAAAAATTCACTTT
GGAGTAATATTTGTAGGTGTTAACCTAACATTCTTCCCCAACACTTCCTCGGCCTTGCA
GGAATACCTCGACGCTACTCAGATTACCCCGATGCTTACACCCTATGAAACACAGTGTCT
TCAATTGGGTCTTTAGTATCCTTAGTAGCAGTTATTCTGTTCTGTTTATTATTTGAGAA
GCATTGCGAGCTAAACGAGAAGTTCTATCAGTAGAGCTTACCTCAACAAATGTTGAATGA
CTTCACGGTTGCTCTCCTCCGTACCACACATTGAGGAGCCCGCATTTGTTCAAGTACAA
TCAACCTAA

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

PSAILPVAITRWFFSTNHKDIGTLYLIFGAWAGMVGTALSLLIRAELSQPGALLGDDQIY
NVIVTAHAFVMIFFMVMPIMIGGFGNWLIPLMIGAPDMAFPRMNMMSFWLLPPSLLLLLA
SSSVEAGAGTGWTVPPLAGNLAHAGASVDLTIFSLHLAGISSILGAINFITTIINMKPP
AISQYQTPLFVWAVLITAVLLLLSLPVLAAGITMLLTDRNLNTTFFDPAGGGDPILYQHL
FWFFGHPEVYILILPGFGMISHIVAYYSGKKEPFGYMGVMWAMMAIGLLGFIVWAHMF
VGMVDVDRAYFTSATMIIAIPITGVKVFWSLATLHGGAIKWETPLLWALGFIFLFTVGG
GIVLANSSLDIVLHDTYYVVAHFHYVLSMGAVFAIVAFAFVHWFPLFSGYTLHNTWT
KIHF
GVMFVGVNLTFFPQHFLGLAGMPRRYSYDPDAYTLWNTVSSIGSLVSLVAVILFLFI
IWE
AFAAKREVLSVELTSTNVEWLHGCPPPYHTFEPAFVQVQST*

>ORF number 2 in reading frame 3 on the direct strand extends from base 9576 to base 10004.

CTCATAATCTTTCTAGTATTAATACTAAAGTATATGTGACTTCCAATCACTCGGTCTTGGTT
CAAACCCAAGGAAAGATAATGAATTTAATCACAACAATTATTTTATTAAGTCTTCTCTC
TCCTCAATCCTAGCAATTGTTTCATTTTGATTACCTCAAATAACCCAGATCATGAGAAG
CTCTCCCTTACGAATGCGGATTTGACCCATTAGGATCAGCCCGCCTCCATTCTCACTA
CGATTTTTTTTTAGTCGCCATCCTCTTCCTGCTTTTTGACCTAGAAATTGCTCTACTATTA
CCCCTCCCCTGAGGAAACCAATTAGAATCCCCCTACTCACCTTTCTCTGAGCCTCTGCT
GTCCTACTACTTCTAACCTTAGGCCTCATTTACGAATGACTTCAAGGAGGCCTAGAATGA
GCAGAATAG

>Translation of ORF number 2 in reading frame 3 on the direct strand.

LMIFLVLTQVYVTSNHSVLVQTQGKMMNLITTIILLTVLLSSILAIVSFWLPQMTPDHEK
LSPYECGFDPLGSARLPFSLRFFLVAILFLLFDLEIALLLPLPWGNQLESPLLTFLWASA
VLLLLTLGLIYEWLQGGLEWAE*