

## 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.

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GCCCTTTCTACAGAGGTTCAAGTCCTCTCCTTAATTATGATCTCAACCCCTATTACCCAC
GTGATCTCCCCCTGGCTTTTCATCGTCCCTATTCTTCTGGCAGTAGCCTTCCTCACCTTA
GTTGAACGTAAAGTATTAGGCTACATGCAACTACGAAAAGGGCCAAATGTTGTAGGTCCA
TATGGACTCTTACAACCAATCGCAGACGGGGTAAACCTTTTCATTAAAGAGCCCGTACGA
CCATCCACATCTTCCCCACTACTATTCTTATTAACCCCGATACTTGCTCTAACACTAGCA
ATAACCCCTATGAGCCCCCATACCCATACCATATCCTGTAGTCGACCTCAATCTGGGGATC
CTATTTGTCTTGCCCTATCAAGCCTGGCAGTGTACTCTATTCTAGGCTCAGGCTGAGCA
TCCAACCTCAAAATATGCCTTAATTGGAGCCCTACGAGCAGTAGCACAAACCATTTCTAT
GAAGTAAGCCTCGGCCTAATTCTCCTCTGTATAATTATCTTTACAGGGGGATTACCCCTC
CAAACATTCAGTACTGCCCAAGAAAGCATTGACTTGTTTTCCAGCCTGACCAATGGCC
GCCATATGGTTTATTTC AACACTAGCAGAAACCAACCGAGCCCTTTTCGACCTAACCGAA
GGTGAATCCGAATTAGTATCAGGATTTAATGTAGAGTATGCCGGAGGCCCTTTTCGCCCTG
TTTTTCTAGCGGAATATGCTAACATTCTACTCATAAATACACTATCCGCAATTCTATTT
CTAGGAGCCTCCACATCCCTCACTACCAGAACTCACCTCATTTAATTTAATAACAAAA
GCAGCCTTCTCTCGATTGCCTTTCTATGAGTCCGAGCCTCGTACCCACGGTTCGATAC
GACCAACTAATACACCTAATCTGGAAAACTTCTACCCCTCACCTAGCCCTGATCGTA
TGACATCTCGCCCTACCTGTAGCATTTCGAGGACTCCCCCACAACCTATAA
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>Translation of ORF number 1 in reading frame 1 on the direct strand.

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ALSTEVQVLSLIMISTLITHVISPLAFIVPILLAVAFLLTVERKVLGYMQLRKGPNVVGP
YGLLQPIADGVKLFIKEPVRPSTSSPLLFLTPMLALTLAMTLWAPMPMPYPVVDNLGI
LFVLALSSLAIVSYILGSGWASNSKYALIGALRAVAQTISYEVSLGLILLCMIIFTGGFTL
QTFSTAQESIWLVPAPWMAAMWFISTLAETNRPFDL TEGESELVSGFNVEYAGGPFAL
FFLAEYANILLMNTLSAILFLGASHIPSLPELTSFNLMTKAAFLSIAFLWVRASYPRFRY
DQLMHLIWKNFLPLTLALIVWHLALPVAFAGLPPQL*
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>ORF number 2 in reading frame 1 on the direct strand extends from base 3943 to base 5094.

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TCAAAACTCTCAGTGCTTCCACTACACCACTTCCTAGTAAAGTCAGCTAAATTAAGCTTT
TGGGGCCCATACCCCAAACATGTTGGTTAAAATCCTTCCCTTACTAATGAGTCCTTACATC
TTAGCCACCTTACTATTAGCTTAGGCTTAGGAACCACAATCACATTCATAAGCTCCAC
TGACTCCTAGCTTGAATGGGCCTAGAAATTAACACCCCTGGCCATTATTCCCCTAATAACA
CATCAGTACCACCCCGAGCGATCGAAGCTGCCACAAAAATATTTTTTAGCCCAAGCTACA
GCCGCGCAACCTTATATTCGTAGCACAACAAATGCATGACTAACTGGACAATGAGAT
ATTCAACAAATATCCCAACCCCTTACAGTCACAATAATTACTATTGCCCTCGCCTTAAAG
CTTGGCCTAGCCCACTACACTCTTGACTGCCAGAAGTCTGCAAGGACTAAACCTTACC
ACAGGGCTCATCATGTCCACCTGACAAAAACTTGCCCTTTTGCCCTATTATTGCAAAACA
CAACCAACCAACTCAAACCTACTTATTTTCTTGACTTACGTCTACCTTGTAGGGGGT
TGAGGAGGACTAAACCAAAACAACTACGAAAAATCCTAGCCTACTCCTCAATCGCGCAC
TTAGGATGGATGGTATTAATCATTCAATTCTCCCCATCCCTAACACTCCTAACATTAATT
ACATACCTGACTATAACCACCGCAACATTTCCTAGTTTTTAAATTAACACCTCCACTAAC
ATTAATACCCTAGCCACCTCTTGAGCAAAAACCCAGTACTTACCTCCCTCACCCCCCTA
GTACTCCTCTCACTAGGAGGTCTCCCCCTCTAACAGGCTTCATGCCGAAATGACTCATT
CTCCAAGAATTAACAAAACAAGACCTAGCCCTACCGCCACACTAGCGGCACTAACCGCA
CTATTAAGCCTGTACTTTTACCTCCGAATTACCTACGCATCCACCCTAACAAATTTCTCCC
AACACCCCAACGAACCAACCCCTGACGACTCCAATCTACACAATCAACACTCCTATTA
ACCGCCACCACAACCGCTACAATCTGCCTCCTTCCACTTACACCCGCTCTAATAGCACTC
CTCACTACCTAG
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>Translation of ORF number 2 in reading frame 1 on the direct strand.

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SKLSVLPLHHFLVKSAKLSFWAHTPNMLVKILPLLMSPIYILATLLFSLGLGTTITFMSSH
WLLAWMGLEINTLAIIPLMTHQYHPRAIEAATKYFLAQATAAAATLMFASTTNAWLTGQWD
IQQMSHPLPVTMITIALALKLGLAPLHSHWLPEVLQGLNLTGLIMSTWQKLAPFALLQT
QPTNSNLLIFLGLTSLVGGWGLNQTQLRKILAYSSIAHLGWMVLI IQFSPSLTLLTLI
TYLTMTTATFLVFKLNTSTNINTLATSWAKTPVLTSLTPLVLLSLGGLPPLTGFM PKWLI
LQELTKQDLALPATLAALTALLSLFYLRITYASTLTISPNTPTGTPWRLQSTQSTLLL
TATTATICLLPLTPALMALLTT*
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>ORF number 3 in reading frame 1 on the direct strand extends from base 7150 to base 7887.

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CAGAATCGTGGGTAAAACCCACGTATCTTGCCAAACAATGGCCCATCCCTCACAACTA
GGATTTCAAGATGCAGCCTCACCTGTAATAGAGGAACTCCTACATTTTCACGACCACGCC
TTAATAATCGTATTTTTAATTAGCAGCTCGTTCTATATATTATTGTTGCCATGGTTTCA
ACCAAGCTCACAAACAAGTATATCCTAGATTACAAAGAAATTGAAATTAATCTGAACAATT
CTTCCTGCAGTAATTTAATCCTCATTGCCCTCCCCTCACTTCGAATTCTATACCTTATA
GATGAAATTAACGACCCCCATCTCACCATTAAAGCAATAGGTACCAATGATACTGAAGC
TATGAATACACGGACTATGAAGACCTTGATTTGACTCATACATAGTCCCCACACAAGAC
CTGGCCCTGGCCAAATCCGACTCCTAGAAGCAGACCATCGAATGGTTGTTCCCATCGAG
TCCCCAGTCCGCGTACTTGTTTCGGCCGAAGATGTCTTCACTCATGAGCCGTCCCCGCC
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CTTGGTGTGAAAATAGATGCAGTACCCGGACGCCTAAATCAAACAGCTTTCATTACATCT  
CGCCCAGGAGTTTTCTACGGGCAATGCTCAGAAATCTGCGGCGCAAACCATAGCTTTATA  
CCAATCGTAGTTGAAGCCGTCCTTAGAACACTTCGAAAACCTGATCCTCCATAATACTT  
GAAGACGCCTCGCTAAGA

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

QNRGLKPHVSCQTMAHPSQLGFQDAASPVMEELLHFHDMIVFLISTLVLYIIVAMVS  
TKLTNKYILDSQEIEIIWTILPAVILILIALPSLRILYLMDEINDPHLTIKAMGHQWYWS  
YEYTDYEDLGFDSYMVPTQDLAPGQFRLLEADHRMVPVPIESPVRVLVSAEDVLHSAVPA  
LGVKMDAVPGRNLNQTAFITSRPGVFYGCSEICGANHSFMPPIVVEAVPLEHFENWSSMML  
EDASL\*

>ORF number 4 in reading frame 1 on the direct strand extends from base 8788 to base 9582.

AAACGTCTAATGGCCCATCAAGCACACGCATACCATATGGTCGACCCAGCCCTTGACCA  
TTAACAGGCGCCATCGCCGCCTTGTTAATGACATCTGGCCTAGCAATTTGATTCCACTAC  
AACTCAACAACCTTAATATCACTTGGCACCATCCTCCTGCTATTAACAATATACCAATGA  
TGACGAGACATCGTCCGAGAAGGCACATTCCAGGGACACCACACCCACCCGTACAAAAA  
GGCCTACGATATGGAATAATTTTATTCATCACATCAGAAAGTATTTTTCTTTCTAGGCTTT  
TTCTGAGCCTTTTACCATTCAAGCCTAGCCCTACTCCAGAATTAGGAGGTTGCTGACCC  
CCTACTGGAATCACACCCCTCGACCCCTTTGAAGTACCCCTCCTAAACACCGCAGTCCTG  
TTAGCCTCAGGTGTGACCGTAACATGAGCCACACAGCATTATAGAAGGGGAACGAAAA  
CAAGCCATTCAATCACTCTTCCTCACAAATCCTTCTTGGAATTTACTTTACATTTCTTCAA  
GCAATAGAATACTATGAAGCCCTTTTACTATTGCAGACGGCGTTTACGGATCAACCTTC  
TTTGTAGCAACGGGATTCCACGGCCTACATGTAATTATTGGATCCACATTCTAGCCGTA  
TGCCTTATCCGCCAAATCCAGTTCCACTTTACATCAGAACATCACTTCGGATTTGAAGCT  
GCTGCATGATACTGACACTTTGTTGACGTAGTCTGACTATTCTCTATATCTCCATCTAC  
TGATGAGGCTCATAA

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

KRLMAHQAHAHYHMDPSPWPLTGAIALLMTSGLAIWFHYNSTTLMSLGTILLLLTMYQW  
WRDIVREGTFQGHHTPPVQKGLRYGMILFITSEVFFFGLGFFWAFYHSSLAPTPELGGCWP  
PTGITPLDPFEVPLLNATVLLASGVTVTWAHHSIMEGERKQAIQSLFLTILLGFYFTFLQ  
AMEYYEAPFTIADGVYGSTFFVATGFHGLHVIIGSTFLAVCLIRQIQFHTSEHHFGFEA  
AAWYWHFVDVVWLFYISIIYWGS\*