**Supplementary Data S1** Nucleic and amino acid sequences determined in the study.

>UrV1\_full nucleic acid sequence

TGAATAAAAGCAACACCCTATTAATCCCCATGGCGAAATTATTCATCAAAGACTCACTCGATGTTGGCTTCAGTGTAGGACGTGATCCAATCATTGAGAACGGCCGCTTCACAGTGGTCAACAAATCGACAGTGGATGTAAAGAAAGGAGAGAGATTCTACCACTCTGATATAGAGCTAACCGCTGATTTCATGAGTGCTGGAAGGCATAAAGGCTGTGACAGAGTCGGCGTAAACACTGACTTCTCAGGCTTCAATAAGAAGTTCATAACTGAACAGGGAGTTTATGACAGTTATGCTGCCTTGGAAGAATTTTCGAGAGTGAGCCCTGAAAAAGGGAATGTCAAACCTGACACTTATTCCGTTCTAACTAGGTTCACGACTTCTGATTCTCACGATTCGTTCTTATACAATATGCTGGTTTCATGGCTGAAAGCTAAAATGTACAAGGACTCCAACGGCGAGGGTCTGAAGCTGAAGGTGACGACCTCAGCTTATAATGACTCGCATGTGGTTGTTGCCCTTGACCAGGCTTATGATGACCATACTTACGAAATCGACATGGATGAACCGGTAACAATGGAATTACTTGAAACAGCGAACTGGCATCTAAGGACCAGAGACAACTATTGGAGTAGGCCTTTTGTCTTGGTTTACAATGGCTCTTCTGTTTCGCAAGAACTGTTCTACTTGATTCACACTTTAGGAAGGAATAAAGTGTCAGCCTTGAACTTCGACGTTGAGATCAAAGGCATACCAGGAGGTGACCTCCTCTGCGATCCAATAAACGGAAGAGATCATATGGACATGAACCTTGGGGCTGTTGACTGGACAGACCACCATAAGATGTGGTCGTGGATACTTGACTACGTTAAACTGAATCGAGTAGAACAGTCTTTCGCAGCCGCGTTTGAGACACTGGGTGCAATGGCATACCACCCGGCACCTAGTTCAATGGAAGCGTGCCTGTGGCAACATGCGAAGCTGAATGTCGTTCTAGCCGATTTTTCACCGACTAGGGGCAGGATCAGATTGAACCTAGACGGTGAGGCTTTCAAGCCACATTCGATTGCAGATGAATTCCTAATCAGCGAGATAGAATCGCCAGGCCAATTCTTAGCTGCATCAGCCCTGTGCAACTACTATATGTGGTACGGACTGTACGCCCTTCTCAGGAACGAGGCGAAGACCAGACCTGACTGGCGCACCGTGTTCTCGACTATGGCTGACGAACTGGCAATCTTGTTTACGCCTGATGCCAGAGCGGCGTGTATTAGCGTTGCCACCGGGCGAGAATTCTCTACGTGCATGACGGCGAACTGTGGCATGTATGTAGACACGAGCAGGTTAGAGGTAATACACAAACTAACCAACTTGCGTAGCTTAGACGGTACCGTTAATAGTGAAGTTGAAGTAAACTGCATCCCGTCGCCGGTCTCCGGTTCTATAGTGCTTGGCACTATGAGTGGCTACTTGGAAGTGACCGATAATCTGTCGTCAACGTACGAGTTGCCCATACTGAGCGGGCAATTCCAACCTATGACCGAACGACAAATTATGCGCCTTAGCACTATATACCGTCTGTTTGGATACGACACCACGTTGCTTAATTATTATACTAAACAGCAAGTAGAAACTTGGGCACCGGCACGTGAATGTATACCTGAGCGCATCTTCTTTGGGATGGATATCGAAACGCCTAACCTATGGACGGTAGTCGACGCCAATGTACGCGAAGGCAGGAAACACGTGATACCGACTGTGACGGATTTATGCTCGGGAGAGACGGCGAAAGTGATGATCAGAAAGCCCATGCTCAAATTCACTTCATGGAAGCGTAGAACGACGACTCTAAGACCGCAGATACGTTTCGTTAATAACAAGGAACCTGTAACCTTCAAAGTGAACTCTGCCTACAGATTTAACAAGGTTAAAATGGTTGCCAGACCTATAGAAAAACCGAAGCAGGATTTTATCAAGGGCAGCACGTCGGGACCCCCAGTACACCCAGAGATCCGCCGCGTCGAAGAAACCGATGTTACGGGTCAACTGAGTGGTGTACAGGAGGCGTCAGCTGCCGATTCTGCGGAATAAACCAGACCAAAGCGTCTTTAAATCTCTATAGCAGCGAAAGTGGTTATAGAGTGCCTGCGTATCCGCCGCAGCGCCGAAGCACTTTCTATCACTGGCAGCCGAGCTTGGACGGGGCCGGTGAGAAACGGAAATACCTAGCACTCGAAAGAGATGAAGCCCCAACATCCTTTCGAGTATCTGATTTGGGCAACTACATCGTCGTGCCTTTCAAACGCGCTCAGTATGTGCTAATCGACATGCTGGACGAGGCGTACCCGGAAGGTGATTGTATGTATAACTACTACGGATCTGTGTTTAACTGTCTGATGCTACCTAGCAAAAAACGAACATACGTTTATTACAAAGTAGATCAGTTGTTAAGACCAAGGAGTAGGAATATCCTAGCAATACTTTCGAGGCACTACATGGATAATTTCAATGGTTACTATAATGATTGGTGTTCGACTGAAAACGTATTCGCGGGTCTAAGTAAAGTCAGTGAAGTGAACTTCAGGCACAGCATCGATAAGTTGGAACAACTGCCGATAGCGAAAATATCAGCGGCGCATCACATACATTTTACTGCCGCGGAGATATGGCAATGTCTGGACAGCGAACAAAGAGACAAGGCAAAACACGCGCTACGTATAACAGCACAAGCAACAACCACTATGATGGGAGGAGTGATGCTTTGGCTAGCCATGTTGCCGACTGAATTGTTTGAGCACTTTGTTAAGACAGACATCCTAGACGCCGATAGTATGGTAGAATTCGCGAAGCGTGCAAAGAAGCTATCGGTACAAGCAAAGTCGTTTCAAAATATAGTAGAGCCAGATTTGAGAACCATGTTCGAGGTTGATGTGCTTGTCAACCGCGATGTAGGACAGGTAAATTGGGACGCGGAAAAAGCAAACCGCGTCACGCCTGATTTAGTAAATCTTAACAACAAGAGAATTTACGATGCAGCTATCAAGATGTTTTCGCGTGTGGATGCAACAAAGCAAAAACCACGGAGGATGTCATGGCGGGATTTCTGGATGTCAAGGTGGCAATGGAGTGCTTCTGGGTCAGTGCACAGCCAATACGCCGAAGATCTGAAGGATTTGCCTAAAGAAAGAGAGTTGCGGAACAAATTTATACAATTGTGTCAGGCAGGTAATTATGATGCAAACCACTTTTTACAGCGACGGTCTGAAATTCAAGCGTGGTCCTCAATCAAGTACGAATGGGGTAAAATGCGCGCTATTTACGGAACCGATATCACTAGCTACGTCCTTGCGCATTATGCCTTTTACAACTGTGAAGACGTACTGCCGAATGAGTTTCCTGTTGGGTTAAAAGCGCGCCCGTCTTACGTCAGTGCCAAGGTCCAATCAGTATTAGAGAGAAAGGTACCATTATGCGTGGATTTCGAAGATTTCAACAGTGGGCATTCTAACCAAGCAATGCAAACCGTGATTCAGGCATACTACGATGTCTACTCTGCCGGTATGGATGATGACCAAAAGCGAGCAATATTGTGGACACGGGACTCTGTGGCAAGAACGCAGATCAATGATAACATGGGCACTAAGACGTCGTTCAGTACAAATGGAACGCTAATGTCAGGTTGGCGGCTAACCACGTTCATGAATTCTGTGTTGAACTACATTTACACTCAGCAGCTACTTGAGAACTGTGGCGAGCATGTGAACTCAGTACACAACGGCGATGATGTGCTACTAGGAGTGTCGAACTTCGACATCGCTAGGAGAACCGTGTATAATGCCGAGAAGTACAATATCAGGCTACAGAGAAGTAAGTGTGCTTTCGGTGGCATAGCCGAGTTCCTAAGGGTGGATAGAGTAAGAGGGGATTTTGGTCAATATTTAAGTCGCAACGTGGCTACATTGATGCACTCAAGGATCGAATCTAAGGTTGCACTAAATGTTGTGGATATAGTGGAGGCAGATGAAGAACGTTTCCGCGAGTTCGTGCGACGAGGCGGTGATGAAGCTGTGGTGTCAAGGCTGAGGCATTTAAGTTATAAACGAACGGCAAAAATATATGACACCGAACTTAGCACATTATACATGATTAAGAGCAGCCACAGAGTCGTAGGGGGCATAAGCGACTTAGATAATGCACCTGTTGATTGCATTATCGAGAAAGACAAAACAGGCAAGATATTACCGCTGCCTGATCAACTACCGGGTGTTATGGATTACGCCATAATGCTTAAGAAATCATTAGAACTTACCGTGAGTACACGAGAAGTCTACAAACGCGTATACAACGCCACACTAAATGCTGTGCAGCTGGTGAGAACCAGCGTAAAGCATACATACAACGAAAATATTCGTCAGTATGAAGTGTTCAGAGCATTGTATAAAGCACATTCCGACACTACGGATACGCCACTGTTTGGCAAAGCAATGTTGACAGGGTTTGTCTTCGATGTTCTGAACAAATCGAAGAACATGACCACGTTAATAAGGATGTTACAACAGTCAGCGGATCCGATGCGACTCTTGCGAGTCGTAGCTTGAAGCGGTGCCGGAATAGAGTGCGGCATACCCGATGTCA

UrV1\_ORF1

MAKLFIKDSLDVGFSVGRDPIIENGRFTVVNKSTVDVKKGERFYHSDIELTADFMSAGRHKGCDRVGVNTDFSGFNKKFITEQGVYDSYAALEEFSRVSPEKGNVKPDTYSVLTRFTTSDSHDSFLYNMLVSWLKAKMYKDSNGEGLKLKVTTSAYNDSHVVVALDQAYDDHTYEIDMDEPVTMELLETANWHLRTRDNYWSRPFVLVYNGSSVSQELFYLIHTLGRNKVSALNFDVEIKGIPGGDLLCDPINGRDHMDMNLGAVDWTDHHKMWSWILDYVKLNRVEQSFAAAFETLGAMAYHPAPSSMEACLWQHAKLNVVLADFSPTRGRIRLNLDGEAFKPHSIADEFLISEIESPGQFLAASALCNYYMWYGLYALLRNEAKTRPDWRTVFSTMADELAILFTPDARAACISVATGREFSTCMTANCGMYVDTSRLEVIHKLTNLRSLDGTVNSEVEVNCIPSPVSGSIVLGTMSGYLEVTDNLSSTYELPILSGQFQPMTERQIMRLSTIYRLFGYDTTLLNYYTKQQVETWAPARECIPERIFFGMDIETPNLWTVVDANVREGRKHVIPTVTDLCSGETAKVMIRKPMLKFTSWKRRTTTLRPQIRFVNNKEPVTFKVNSAYRFNKVKMVARPIEKPKQDFIKGSTSGPPVHPEIRRVEETDVTGQLSGVQEASAADSAE

UrV1\_ORF2

MLDEAYPEGDCMYNYYGSVFNCLMLPSKKRTYVYYKVDQLLRPRSRNILAILSRHYMDNFNGYYNDWCSTENVFAGLSKVSEVNFRHSIDKLEQLPIAKISAAHHIHFTAAEIWQCLDSEQRDKAKHALRITAQATTTMMGGVMLWLAMLPTELFEHFVKTDILDADSMVEFAKRAKKLSVQAKSFQNIVEPDLRTMFEVDVLVNRDVGQVNWDAEKANRVTPDLVNLNNKRIYDAAIKMFSRVDATKQKPRRMSWRDFWMSRWQWSASGSVHSQYAEDLKDLPKERELRNKFIQLCQAGNYDANHFLQRRSEIQAWSSIKYEWGKMRAIYGTDITSYVLAHYAFYNCEDVLPNEFPVGLKARPSYVSAKVQSVLERKVPLCVDFEDFNSGHSNQAMQTVIQAYYDVYSAGMDDDQKRAILWTRDSVARTQINDNMGTKTSFSTNGTLMSGWRLTTFMNSVLNYIYTQQLLENCGEHVNSVHNGDDVLLGVSNFDIARRTVYNAEKYNIRLQRSKCAFGGIAEFLRVDRVRGDFGQYLSRNVATLMHSRIESKVALNVVDIVEADEERFREFVRRGGDEAVVSRLRHLSYKRTAKIYDTELSTLYMIKSSHRVVGGISDLDNAPVDCIIEKDKTGKILPLPDQLPGVMDYAIMLKKSLELTVSTREVYKRVYNATLNAVQLVRTSVKHTYNENIRQYEVFRALYKAHSDTTDTPLFGKAMLTGFVFDVLNKSKNMTTLIRMLQQSADPMRLLRVVA

UrV2\_full nucleic acid sequence

CGCAAAAACATCCTCACTATGATGCTGCCGTCCGTGCTGCCATTACCCTGTTACTCACGTCTTTCCCTGTCCAAGCCCCTATGTCCTCCATCGACATTATCGGCCTGGCTAGACTTGCTTTTCCGGTTGGCACTTACTCACGCAGCCCTCACTCACCTCCCACGAACTTACCCCTCAGAGCTATCCTTAAGACACCATTCCTTATGCAATATTTTCCCTTTAAATACCACCCTGCCGCAACTATGAAAACCAACGTCAGGATGTCCGACCTCCTACGTTCATTGGCTTCGCAAGGAATCCTGGCCAGATTCGAAACTATGATCTACGCACTCGCCGGCCGCGTCAGCGACGACCAGGCGTGCAGTGCTATACTATACGCTTCGGGCCTGGCTCCACACCTAGGCCCATATGCTTATGAATTTGCCTCATGCTGCGTTCTATCGCCCAAGAACGCTAAAGGCCTATCTACGGCGCTCAAAGCCCTCGGAGCTAACTCCCATCCCACTGGGGCTTTGCTGATAGAAGCCGACACCCTACAAGGACGGGGGGTTGGCTCTGTTGATTTACTACAGGAGGCCAAATATCGTTGCGACCCCTCCCTTGTCGCGGCTAGCGTCATAGACCTAGACCCCGAACTTTTACGGCTCGCTATCGACGACATTTTGGATGAGGAGCTTAAAGTCGACAAGGTTGAAATTCCGACGCCCCAGGAATTCTGGCAACGCCGCTGGCTTTGGTGTGTCAACGGCTCCCACTCGCGGGTGCTTGACCGTAGAGGGGGCCTCGACACCCGTTCCATCTTCCCTGGGGTCGATAGAGTATACCGGAGAATGTACGCGGAAGCCCAATCCGAGGAACCGCTGACTTCTTGGGATGCCCAGGTCTCGGTCAGCGCTAGCGAGAAACTCGAACATGGCAAGACCAGAGCCATCTTCGCGTGTGATACACTTTCGTATTTCGCTTTCGAGCACCTACTCTCCCCAGTAGAGAAGGCTTGGAGGGGTGTGCGCGTCGTACTGGACCCTGGTACGATGGGGCATCTCGGGGTAGCGAACAGGATAGCACGTATCCAGATCGGTGGCGTCCACGTCATGCTGGATTACGATGACTTTAATTCGCAACACTCGACCTCGTCGATGAAGGTGCTCTTCCAGGCGCTGACAGAGAGGATTGGATACCCTCCCGACCTTGCTGGAAACATATTGTCGTCCTTTGATAACATGTGGTTGTATTGCAAAGGTACGCTGGTCGGACGGGCTGAAGGTACCCTCATGAGCGGCCACCGCGCCACCACGTTCATAAACTCCGTGCTGAACGCGGCATACATTCGCCTGTCACTAGGTAAAGAGGTGTACGAACGCTACAAAGCTGTGCATGTAGGTGACGATATTTACATGAATGCTCCCACCCACTCTGACGCTGCCCTCGTCCTAACCAGAGCTCAAGCGTTAGGTTGCCGCATGAACCCCGCCAAACAGAGTGTTGGTACCGTTGGTGCTGAATTCCTCCGCATGGGCATCAGGCCTGGGGGGGCAGTGGGTTACTTTGCCCGCAGCGTAGCTTCCGCAGTCTCAGGTAACTGGGTTACCGAGGCCCGTCAGTCACCAATAGACGCTCTCAAGACGGCCATAGCCAATGTTAGAACACTATGCAACCGCAGCCGTTCTGAAGCGTTCCCCACCCTGTTAGCAGGACCTCTGTCCCGGCTAACACGGGTCCCACGCCGTCTAGTGCACGCCCTCCTAGACGGCTCTAAAGCAATTGAGGGCGCGCCGATCTTCCACTCAGACGGTATGATCAGGACGATCACGGAGGTGCCACCTCCTCCTGAACAAATGGCAGAACGCCTACCTCCCGACTGGCCACGTCACGCAACTAACGATTACGTCGTTAATTGTGCGACCGCCGTAGAACAGTTCGCTCTGAAAGAAGCTGGCAGGAGTGTTGCCTCCGCTATGTTAATCGCATCTTATAACAAGGCCTTAACAAGTGTCGCAGCACCCCCAGCCTACCCTCGCTTCAAAGCTAACCGGCCTAGGGCTCCAGTCGGTTCCCAACCCGCGTTGGCGCTCTTATACACCCGGAAGACATCCGGGGTGCTCCAAGGTTACCCACTGCTAACCCTGCTTAAAGCCCACATAAGCAGGACACTACTTAGGACTTTAGTGATCCTAGCTGGAGGGGATCCTAATGTTTCAGACCTCGACGCCGAGGCCTGGGGCCCTGACAATCGGTCCACAATTGTTCAAGGCTCTCTCAGCTATGCTGACGCGGCCGCTTTGTCAAACAAAGCTACCACTGGCGTACTTTACACTACCTATAATGTTTATATGTAGGTAAGCGTGGTCACCCACCACGTAAGCCCCTGACCTGTAAAGGTCCAGACGGTTTCTCAGGAAGCTGTATGGACGGTCACGCTCAGATATACACAGCCCCGAAAGGGGTTGTTTAGCA

UrV2\_ORF1

QKHPHYDAAVRAAITLLLTSFPVQAPMSSIDIIGLARLAFPVGTYSRSPHSPPTNLPLRAILKTPFLMQYFPFKYHPAATMKTNVRMSDLLRSLASQGILARFETMIYALAGRVSDDQACSAILYASGLAPHLGPYAYEFASCCVLSPKNAKGLSTALKALGANSHPTGALLIEADTLQGRGVGSVDLLQEAKYRCDPSLVAASVIDLDPELLRLAIDDILDEELKVDKVEIPTPQEFWQRRWLWCVNGSHSRVLDRRGGLDTRSIFPGVDRVYRRMYAEAQSEEPLTSWDAQVSVSASEKLEHGKTRAIFACDTLSYFAFEHLLSPVEKAWRGVRVVLDPGTMGHLGVANRIARIQIGGVHVMLDYDDFNSQHSTSSMKVLFQALTERIGYPPDLAGNILSSFDNMWLYCKGTLVGRAEGTLMSGHRATTFINSVLNAAYIRLSLGKEVYERYKAVHVGDDIYMNAPTHSDAALVLTRAQALGCRMNPAKQSVGTVGAEFLRMGIRPGGAVGYFARSVASAVSGNWVTEARQSPIDALKTAIANVRTLCNRSRSEAFPTLLAGPLSRLTRVPRRLVHALLDGSKAIEGAPIFHSDGMIRTITEVPPPPEQMAERLPPDWPRHATNDYVVNCATAVEQFALKEAGRSVASAMLIASYNKALTSVAAPPAYPRFKANRPRAPVGSQPALALLYTRKTSGVLQGYPLLTLLKAHISRTLLRTLVILAGGDPNVSDLDAEAWGPDNRSTIVQGSLSYADAAALSNKATTGVLYTTYNVYM

UrV3\_full nucleic acid sequence

GAGCTTCGTTAAATTTTGTACATATCTACTCAACTGACCCAACAATGCTTTCTTCAAATACTTCAATCAACTACTCAACTCAGAACATCCCAGGAGGCCTAGGCGCGAATGAGTTCTGCCCTCCTGTAGGTGCTGAGCGGCAGTTGGCCATTTCGGAGGCGGTCCGAGCGGACCACGTTAGGATGCGGCACCAGATCAACTGGCGCTCCAGGGGAGATGACTTCTTCACGTTGGAACAGGAGGTGGGAGAAGACTATAGGTTTGATTACCCTGCAGCTGTCCGGTTCAAGACAGGATCTGCTTGGGATACGCGCACGCCCATCCTGCACCCAGCCGTGGCTGGCCTAGACTATACCGAGGCTGGATTTGACGAGGCCTACACGCGCGCCTTGGCCAATCTGGACATTCTAATGACAGGACGCAGGGAGGAGAACACCATGCTAACACGCAGTATGTTGCGCAGGTATGCAAAAGCCAGCTACAATCCATACCGTGTACTGTTCCGTGGGGCAGCATTGTGGGCAGAATTAGTCATCCGTGACTTGCAGGGGGTGAATGCCGTTGATTGGACAGTCTCAGGCGGAATTGAGCAGGCACGCCACATAGGCACCATTAGTGACTACGCTGCGGCCTGCAAGGCCATGAACGCCCGGCCAGGAGATGTATTGTATGTTAGGTGCGATAACAATGAGGAGATGTTCATGGTGGACGTCATGCAGGCATTGGCTAGCGACACATTCCCCGTGGCGTCGAGGAACACAGTCAAGCTGCTATGGCCAAGCCTCGTACGTCCCAGGGTCATGTACAATGCGCTGGTACCTGTCACCAAGCCTGGCTCGTCACTTTGCGCTGGCGACGTCTTCGACACCATGGTGAGGTACTCGGCTATCCATGACTGCCACGACTTGTGGCGGGATGCTTTGATGACTGTGCAGTCCCTCCTGTGCCGACCGAGAGGCGCGGGGGTTCTTGCCGGTGGGCGTGCCCTCGAAATAGCATTGCCCCAATCGGACCTGGCATGTTGCATCTTGGGGCCTCTGTATGCCGGGCTTACACCAGAGGGGATGAAGACTGAGGACTTCTTGGCTCCTGATCCCAAAACGTACTTGTATGGTAGCGCTGTGCGTGGCACCTTCGCCACCGCGGCATATTATGAGGAAGTCAAGAAGGTTACTGATGCCCATCCCGTTCTTCTTGAAACTGGGATTGTGTCCCATCGGCACTTCAGGATTCTTTCAGATCCCAACATGGCCAGGCAGTTCTGGGAAAAGAAGGTGGCAGTCACTGCGTCAGATGCAGGGTGGAAGTGTGTGACGCTTGGCATGACTGGCTTCTGTCTTGAAATGACGGCCGCCACGGTGAAGGAGGCCTTCAATGCCGCGCGTGTGCCTTGGTGGACCAATGTGCTGCCACACTTGGCTAACGGTGGTTATGATTTCCTGAAGAGTTGGGTGAGTCCCGCCACACTCACTAAACTGCCACATGCTGGAGTATGGTACCCCTTTCATTGCGTTGGAGTAGTCACGAGCGAGCAGTTGGCTGCTGCTGTGCGGTGGACTGGTGCAAAAGTGCAGTATATGGTGGACACAGCCCAGTTCCACCGCTCCAGAGTGTTCGTGAATACTGGCAGCCACAACCGGTTTCTGCCGCCGTTAGCACCGGACGTTGCAATTAAAGGAGGGTATGCCCGGGCAGCCGTCATGTTCGGAAGGGACATCGGCAGAGGGGCGGAGTTATTGAAGAAGCTCGGGCGCTGTGATGTCGAAGTAACACACATGTTCAATGCAGAAAGTGGGGAGTGGCAGTTCTTCGGACATGAGTTGCCAGCAGCCCCCAGTCCAGGGAGCCTCATAATAGATACACCGAGCGGGCGCCAGGCTGCCAGAGAGGCTGCTGGCCGTGATAGGGAATTGGGCGTGGCACGTGAGGACGCCCCGCTTGACGAGGAAGTCCTGCGGGCCGCGGCCATTGCGAGGCCCTTCGGGCTGTCTTGGGAGGCAGATGTCCTGGCTGAGCCGGCAACCCGGGCACTCACGGCTGATAAGCAGGCTGTAGCCAATGGTCTCATCTCAGAGCTTAGTGGTGTGCAGCTGGCCAACTGGCTCTCAGACTCTCAGCCGACCACCAAGAAGATGGAGGTTGCTGGGGCTCTGTACACACTAGCATCCCGGGCAGCATTGTTTGCCAAGCCGGACGATTTTTACCAGCAGAAGCTATACAAGTTGGTGGATGAGTGCCGGGGGCAGATCGCGCAGTTGCAGCGAGAACTTAATCACCAAGAGAGACGGGCGGCAAGCACCCCTGTGACCATAGCAGAGGCTGCAGAGACGATCACTGGACCACCCGCTCAGACATTTAGTGAGGCACTCAAAGCCGGGGTTGCCGTTGCGTCCACTGATACGGGGGACATTAGGGCAGCACCAGATGACGCGGAGGGTGAGACACAAACTCCGGAGGATTTTGGCAACGGTGCATCCGGCCCAAGCTCACTCCCCCAGGAGGCACCTGTAGGAAATGTGGAGTCAGCACCGGTGTCAGTGGAGAGTATTGGATTTCTTCCCCCGACCGATTCGCGCAACTAAGCGCGAAGACAGACACCCTCCCAGCCTGTTGTGGGGCTAGTGTGAGGGTGGAATGTGGGGCAGGGGTGGTGGCCATTGAGGATGCCATTCTGCTGGGGATGGCTCCAGACCCGCAGCCGGTGAGAGAAGATGTTGTGGAAGTACAGAATGTTGAGTGGACCAGGGAGGCGCTGAAGGGAGCATATGAGAGGCCCCCCCGACAGTACAGTGATATGATGAAAGTGTCGATGCTCACAGTCTATGACATTGGATTGTTCGATGAGCCACTTGTGCGTGAGGCTGCGGAGGCGCAGAGAGGACAGTTGGAGTATGCGGTAGCGGCCCTGTGCCTCTGGCTGACCACTGATGTTGCCAAATACTTGTGTGCAGAACTCCCAGTACACAGAGTCCCGTTGTCCAAGTGGCCTGGCAGTGTTAAGGCATTCGCAAATGACGCTCGTAGACTAGGACAGGTATTTGGGCGCGGGCCCCAGGAAGTGGCTATGGCCTTCAGACTGAGGAGGTTGGTCAGCCTGGCCGGCAGGTCTACGGCAGATGCGGACTGGGAAAAGGAAGTAGCAGAGAGGACCCAGCTGACAACGGCAAAACGGGCGTTTGCCGACGGAGAAGTGTCCTCTGCCGCATACCGCTTAATCCGGGACAAAGTGCTGCACCGCATAGCTGTGCAGGTTGTTAATAGCCTCAAGAAGTCTGGAGGGTCGTTTGACGAATACTTTGAGCAGCGTTGGTGGAACACCCCGCGTGGCACCACGTCGAAGGGAGGAGACGTCAAGCGCCAACTCAAGAACGCCGACAAGCACCTGGACCTGCAGATGCGTCCAATCAAACCCACAGTGATGGAATTGTATTCCAAACCAGGCCTCCTCCAAGACTTGCGCGGGCTGCCATACTGTGTGGCTAGAGGTTCAACGAAGCCGGAACCAGGACTCAAGTGCAGAGCACTGCTGGCCGTGGATGATAGGACAGCCATTGTGGCAGGATACGCCTCATCCGGCATAGAGACGACTACCAAGGAGGGGGGTATGGTGCTCCGTCAAGACCCAGCCGATGTGGCAGAATGGGTGTCATTCGACCTCGGGCCGGGTGTCTGGAGGGTCAGCAACGACTATAGTAATTTCAACGGGTTAAATTCACTCAGGTCCATGCAACTGGTGGACCTGCATCTTGCCCAGGAATGGCGTAGAGTACCGGAGAGATGGGCGGAAGAGAAAGCACTGGCAAGTGAGTGGGTGGCCGCGTCATACCTCAATCCATATATGAAGACACCACTTGGAGAGACCAGGGTTGTGTCTGGCCTCTGGTCAGGGCACAGGAACACTGCGCGTGACAACACCTTCTTGCACTTAGTGTACCTCGAGTGCATCAAGTCGGTTATGCGTGCCCTCTTTGGGCAGCATGCCAAGCATGGTAAAGTGCGACTGTGTGGAGACGATGAAACACTTGGGTATGATGAGTGGTGTGCTGCCGTGCTGCATACAGTTGTGGCTGACGAGTTGGGATTCACTTCACAGGTGAGCAAGGGAATGCTCAGCCGGAAACATGACGAATTCTTGCAACTGCTGCGTCAGCCTGGCAAGGTGCCATCATACCCGATAGCCAACACCATCCTAACCTTTTGCTCCGGCAATTGGTACAAAGACCCTGTCCGTGATCTGAACACTACGGTGGCTGATGTCAGCGATCACCTGTGGGATTTGGTGCTGGGCGGAGTTGACCCGGACGTGTGCCAGCGCCTGGGCGTCTATGTGCTTGATTACTTGATGCAGGTCAAACGCAGTGATGGGTCACTGTTCCCGCTGGAGTGGTGGGACTTCCGTGGCTCAGGCATCCCGGGAGGTCATCCTCTGTGGGGTGGATTTGAAACCCCGGCCCCTCCACAGATCAAAGTCAAATTGCCCACCATCAAGCTCCCTATGGCTGCCACCCAGGACAGTGTGAAACGGGAATGGCCTGTTTGGGAGCGGCTAGAGAAGCACAGGTTGGCAGAAACCATGAATGAGCGGGCTTGGTCCTCTTACCGCGTGGTCGCAAAGCACTGGTTACAGGAGGAGTACGACAAGGCGGCCCAGGAGGAGTGGCCTGCAAGACGAGACTGCGTTAAAGTGCACATTCCAGTGGTCCGCCGTGAGGTGCCAACCAACAGGTGGCGAGCCATTGGCGACCGCAACCGTGCTAGATCGGCCCGTGCCGTGGCAGTGAAGTGCGGATTCCCACCTGAGTTACTGGGAAGTGATGACATGTGGAAGGCCATGGCTTGGCTCTCGCCACGTGACCGCTCAAACATGTACGCTGGGTTGGCTGAGCGCCAGTCCACCACCAAAGGCTGGCGCTGGGAGATGCCACCGCTCTTGCGCACTGACTAACGGTCAGTGTGACTTACATTAAATGGGAAACCATTTTCCCCC

UrV3\_ORF1

MLSSNTSINYSTQNIPGGLGANEFCPPVGAERQLAISEAVRADHVRMRHQINWRSRGDDFFTLEQEVGEDYRFDYPAAVRFKTGSAWDTRTPILHPAVAGLDYTEAGFDEAYTRALANLDILMTGRREENTMLTRSMLRRYAKASYNPYRVLFRGAALWAELVIRDLQGVNAVDWTVSGGIEQARHIGTISDYAAACKAMNARPGDVLYVRCDNNEEMFMVDVMQALASDTFPVASRNTVKLLWPSLVRPRVMYNALVPVTKPGSSLCAGDVFDTMVRYSAIHDCHDLWRDALMTVQSLLCRPRGAGVLAGGRALEIALPQSDLACCILGPLYAGLTPEGMKTEDFLAPDPKTYLYGSAVRGTFATAAYYEEVKKVTDAHPVLLETGIVSHRHFRILSDPNMARQFWEKKVAVTASDAGWKCVTLGMTGFCLEMTAATVKEAFNAARVPWWTNVLPHLANGGYDFLKSWVSPATLTKLPHAGVWYPFHCVGVVTSEQLAAAVRWTGAKVQYMVDTAQFHRSRVFVNTGSHNRFLPPLAPDVAIKGGYARAAVMFGRDIGRGAELLKKLGRCDVEVTHMFNAESGEWQFFGHELPAAPSPGSLIIDTPSGRQAAREAAGRDRELGVAREDAPLDEEVLRAAAIARPFGLSWEADVLAEPATRALTADKQAVANGLISELSGVQLANWLSDSQPTTKKMEVAGALYTLASRAALFAKPDDFYQQKLYKLVDECRGQIAQLQRELNHQERRAASTPVTIAEAAETITGPPAQTFSEALKAGVAVASTDTGDIRAAPDDAEGETQTPEDFGNGASGPSSLPQEAPVGNVESAPVSVESIGFLPPTDSRN

UrV3\_ORF2

MAPDPQPVREDVVEVQNVEWTREALKGAYERPPRQYSDMMKVSMLTVYDIGLFDEPLVREAAEAQRGQLEYAVAALCLWLTTDVAKYLCAELPVHRVPLSKWPGSVKAFANDARRLGQVFGRGPQEVAMAFRLRRLVSLAGRSTADADWEKEVAERTQLTTAKRAFADGEVSSAAYRLIRDKVLHRIAVQVVNSLKKSGGSFDEYFEQRWWNTPRGTTSKGGDVKRQLKNADKHLDLQMRPIKPTVMELYSKPGLLQDLRGLPYCVARGSTKPEPGLKCRALLAVDDRTAIVAGYASSGIETTTKEGGMVLRQDPADVAEWVSFDLGPGVWRVSNDYSNFNGLNSLRSMQLVDLHLAQEWRRVPERWAEEKALASEWVAASYLNPYMKTPLGETRVVSGLWSGHRNTARDNTFLHLVYLECIKSVMRALFGQHAKHGKVRLCGDDETLGYDEWCAAVLHTVVADELGFTSQVSKGMLSRKHDEFLQLLRQPGKVPSYPIANTILTFCSGNWYKDPVRDLNTTVADVSDHLWDLVLGGVDPDVCQRLGVYVLDYLMQVKRSDGSLFPLEWWDFRGSGIPGGHPLWGGFETPAPPQIKVKLPTIKLPMAATQDSVKREWPVWERLEKHRLAETMNERAWSSYRVVAKHWLQEEYDKAAQEEWPARRDCVKVHIPVVRREVPTNRWRAIGDRNRARSARAVAVKCGFPPELLGSDDMWKAMAWLSPRDRSNMYAGLAERQSTTKGWRWEMPPLLRTD

UrV4\_full nucleic acid sequence

GAATAAAACACATAGGCGTATAATCCCCATGGCTAAACTATTCATCAAAGACAGCATCAAGACTAACCTCTTCTCCACTAGGGATCCCATCTTCCCAGGGGCCAGGTTTACCGTAGCAAACAACTCAACAATCGTAGTAAGACACCAAGAAAGGCAGTTTCTATCTGGACTTTCTCTTACTGCTGATTTCCAGGCTGCTGGCAGGCTCAAAAAAGTCATAAATGCTGCCGTGCAGACTAATTATTCTGGCTTCAACAAGAAGTATATTAACGAGGCGGGTGTCTATGACGGGAGTCTAGCACTGGACGAGTTCGCGAAAAGCGGCGCTGACAGAGGACTAGTAAGGCCCGAGACTTACAGCATGCTGACCAAGTATCCTCAAGCTGACTCACATGAATCGTTTATATACAATATGTTGGTGTCATATCTCAAGGCGAAATTGTCTACTGGCAATCTTACAGAAGATGAGGACTTGAAAGTAGAAACGTCGCCTTATGTAGACTCTCATTGCGTAGTACCTCTTGACCAGGCCTATGAAGATTTCACCTATGAAATCGAGCTGGGATCGCCCGTCGACGGGCGTCTCGCTATGCAAGGTCAGTTTATGGTTCGAAACAAAGATAACTATTGGAGCAAGCCTTATGTGTTACACTACAACGGAACGTCTACTAAAGCTGAGTCATTTTACTTGCTTCATGCAATGGGTAGGAACGTGGTGTCAGAGCTCAACTTTGATTTTCCGATTAAGGGTGCTGACACAGCACACATGCTTATAGATCCAGTTAACGGCAGAGAATTTGCAACCATAGATTCTTCAGAAATTGACTGGACTGACCATGAATCTATGTGGTTGTGGATCCTGGACTACGTCCAACTTAACCGTCTCGAACAAGCATTCGCAGCAGCGTTTGAGACCCTAGGAGCCCTCGCGTTTCAACCTCTACCCCCAACGGCTGAAGCCTGTCAATGGCAACAAGCCCAGCTAACTCTAACTCTTGCTAGATTCTCGCCTACCAGAGCGCGCCTAAGAAACAACCTAGCTGGAGAACCCTATAAAGTAGATTCTCTAGCTGATGAATTTCTGATCTCTGAGACGGCCTCTGCAAGTCAGTTCCTAGGTGCATCAGCTATCTGTAACTACTATATGTGGTACGGCCTGTATACAATACTGCAGAACGAGGCAAGCGAAATCGAACAGTGGCAGAATGTATACACATCTATACACGGAGTATTGCAGAACCTCTACTCGCCTGCAATGAGGGCTATGTGTATAAGCGTCGCCACAGGCAAAGAATTTGCGACATGCATGACTGATAACTGTGCTATGTTCATAGACATGTCTCGATTGGAAGTGATGCCTAAGATCACTAATATAAAGACCCTAGACGCATCAGTTCCGGCAGAAATAGTCGTTGATCACATACCAGCACCCGTGTCGGGAGCTATAGTGTTGGGTACTTTCACTGACGAGTATGATACCACAGCACACTTGTCCGCCGTATTCAGCTTACCAACTAGTGACGACCCGTACGCTAGATTCTCAGAGACGGAGCTACTTAAGATAGCAACCGTCTATAGGCTTTTTGGTTATGACACGGAACTGGTCGACGTCATAACGGATATTCCAATGGCCTTGTGGGCGGCGAACAGAGAGTGCATACCAGATCCGAGTAAGCTCCTCGCCTACAGGAGATTGAGGAGAGACTGGATAATATCGGATATAAGCCCAAGAGACGGCAGGAAAGAAGTTATTGACAGCATACAAACTCTAACATCAGGCAAACCCGCTACAGTTACCATACAGCAGCCGACTATCAGTTTCACAAGCTGGCGGCAGAGAGTGAGGACTCTTAAACCACAGGTCATTGTGGCAAAAAAGAACAAGAAGAAAGAGATACGCTTTAAAGTTAACGCGTCAGTAAGAATGTTAGATACCACGTTGATGGCTAGGCCTATAGCAGCTGTATCTCGTCAGGATTTTCCCAGGGAAAGTCAACCGATTCCCCCGGTGATGCCCGAGGAAACACGGATCGAGGCAGCTCATGCTATTTCAGCACCCGCTGGTGTCGAGGCCAGCTCGGATGTCACTTCTGCGTGATAAACACGCCAGAAGGACAGAAATTCCTGAAGGGAGACAGTAGTTTCAGGATGCCCATGAAGAAACCAAAGGGCCGCGTAACTGTCACTTTATCATCTATATATGACAACAAAGATGGTAACTTTAAGAATGTTGTCCCTAGAAATTCAGATCCCATGCCGCTGACTTTCAGGAAATCAAATAGCGGCGGGCATATTCTAGTTCCTTTTAGGAGAGCTGAATATGTGTTGATAGACGTGATTGAAGGCGATTATGGGTGCGAAACTATCTCATATAGCTACTATGGCAGCGTAGTCAAGGCCGATACTATATGTAGGGGGGGCATGACATATGTGTATTATCACGTCGATCAACTTTTGTCTCCTATGTCAAGAAATATACTTGGAATTCTATCTAGACACTTTATGGATGACTTCACCGGGTACTACAACGATATGTGTTCACTTGACAACGTGTTTTTGGGGTCAGGGGTGGCATCTCCACAGCAACGTCATACTCTACACTCAATTAAGAACCTTTCAAAGGCTAAAATTTCAGCGGAGCACCATATTCACTACACTGCAGAAGAGGTCTGGTCAACACTTGACAGTGCACAGCGTAGTAAGGCCGAGCACGCGCTACGAATAACAAACGAGGCCACAACCACTATGATGGGCGGCGTCATGTTATGGCTCGCCATGCTGCCAGATGAACTACACAAAAGGTTTGTTAATACTGACATTTTAGATGCGGACACTATGGTCGAATTTGCTAGGCGTGCTAAAAAACTGTCTGTAACAGCTAAATCTTATCAGAATATAGTCGAGGTAGACCTCAGGACAGTATTTGAAGTTGATGTGTTAGTGAACCGCGACGTAGGTAAGGTTGACTGGGAAGGGGAGAAGCAGAACAGAGTGAAACCTGATACTGTTAACATATCGAAGAAGACAGTCTATGACGAGGCTAGAAAATTATTTTCAAGAACCGACAATACACGTCTCAAACCAAGAAAGTTAAAATGGGAAGACTTTTGGAAAACGCGATGGCAGTGGAGTGCTTCTGGGTCAGTGCACAGCCAATATGCCATAGACATCCAAAATCTACCTAAGGAGAGAGAATTAAGAAATAAATTCATATTGCTAACTCAGACACCCTACAGAGAGTTTGATTTTTATGCAACTCGTAAGCCTCAAATTCAGGCGTGGTCATCGGTTAAGTACGAGTGGGGCAAGATGCGGGCAATTTACGGTACGGACTTAACGAGCTACATCCTAGCTCACTACGCTTTCTATAACTGTGAAGACACTCTACCAAATGAGTTCCCAGTCGGCAATAAGGCTCGACCTTCGTACGTCAGTGCTAAAGTCGGCGCTATACTCAAAGGTAGAATACCATTGTGTATAGACTTTGAAGACTTTAACAGTGGACACAGAAATGATTCGATGGAAGCGGTATTGCAAGCCTACATCGACGAGTTTCATGAGGATCTGGATCCTATGCAGTTGAGTGCGGCAGAGTGGACGAAACAGTCAATATCCGCCACCATCGTAAACGACAATATGGGGACGAAGACGCAATACAAAACAAACGGCACCCTAATGTCTGGCTGGCGTTTAACAACCTACATGAACTCAATTCTCAATTACATATACACGAAACTATTGACCAAGGATACAGAAAGCACCTACCAATCGGTACACAACGGTGATGATGTACTGCTCGGGGTCAGAAACTTCGATATAGCGAGGAGGGCTGTATTTAATGCGGATAAGTACAATGTCCGTTTGCAACGCAGCAAATGCACGTTCGGGGGTATAGCGGAATTTCTGCGTGTTGACCGCGTTCGAGGTGATTTCGGTCAGTATCTGTCAAGGAACGTAGCAACGTTAATGCATGCCAGAATAGAGTCCAAGCTAGCCCTAAGCGTAGTGGACTTGGTCGAGGCATCTGAAGAACGTTTGCGTGAATTCATACAGCGAGGTGGCTCACCTAAGACTGCGGCCAGGTTGAGGAGTATCGCGTATGACAGATATTCCAAGATTTATGAAACGGACACAGCCACTCTCTACCGTATCAAATATTCTCACCGTGTAGCAGGGGGAATATCTGATGGCCTCGGAGCACCTATTGATCAGGTGATAAATAAGGATCAAGTCGGGCGGATAGCGGAGCTACCGGACTATCTGCCAGGCATAGCAGACTATTCAAACGTGCTCAAGAAGAGTTTAAATTTGAATATGGAAGTAAGTAAAATAGCAAAACGGATATACAGCGCCACACTAAATGCTGTTAAGTTAGAAAGGACTAAGGTTCACACCGAGGTACCAGAGAACATAGAACAACTGAAAGTGTACAGAGCTCTGTATAAAGCTCACAGCGATGCAACTGATAATGCTGCATTTGGAAAGGCGATTCTAACAGGATTCGTATTTGACGTGCTCAGTCGTAATGACAAGGCGAACACGTTGATGGGCATCTTGTACCAATCGAAGGACCCGATGCAATTGTTAAAAGTAATAGCATGAGTGGGCTGCGCCACAAAAATAGCGCACCTGTCACACGTCA

UrV4\_ORF1

MAKLFIKDSIKTNLFSTRDPIFPGARFTVANNSTIVVRHQERQFLSGLSLTADFQAAGRLKKVINAAVQTNYSGFNKKYINEAGVYDGSLALDEFAKSGADRGLVRPETYSMLTKYPQADSHESFIYNMLVSYLKAKLSTGNLTEDEDLKVETSPYVDSHCVVPLDQAYEDFTYEIELGSPVDGRLAMQGQFMVRNKDNYWSKPYVLHYNGTSTKAESFYLLHAMGRNVVSELNFDFPIKGADTAHMLIDPVNGREFATIDSSEIDWTDHESMWLWILDYVQLNRLEQAFAAAFETLGALAFQPLPPTAEACQWQQAQLTLTLARFSPTRARLRNNLAGEPYKVDSLADEFLISETASASQFLGASAICNYYMWYGLYTILQNEASEIEQWQNVYTSIHGVLQNLYSPAMRAMCISVATGKEFATCMTDNCAMFIDMSRLEVMPKITNIKTLDASVPAEIVVDHIPAPVSGAIVLGTFTDEYDTTAHLSAVFSLPTSDDPYARFSETELLKIATVYRLFGYDTELVDVITDIPMALWAANRECIPDPSKLLAYRRLRRDWIISDISPRDGRKEVIDSIQTLTSGKPATVTIQQPTISFTSWRQRVRTLKPQVIVAKKNKKKEIRFKVNASVRMLDTTLMARPIAAVSRQDFPRESQPIPPVMPEETRIEAAHAISAPAGVEASSDVTSA

UrV4\_ORF2

MPMKKPKGRVTVTLSSIYDNKDGNFKNVVPRNSDPMPLTFRKSNSGGHILVPFRRAEYVLIDVIEGDYGCETISYSYYGSVVKADTICRGGMTYVYYHVDQLLSPMSRNILGILSRHFMDDFTGYYNDMCSLDNVFLGSGVASPQQRHTLHSIKNLSKAKISAEHHIHYTAEEVWSTLDSAQRSKAEHALRITNEATTTMMGGVMLWLAMLPDELHKRFVNTDILDADTMVEFARRAKKLSVTAKSYQNIVEVDLRTVFEVDVLVNRDVGKVDWEGEKQNRVKPDTVNISKKTVYDEARKLFSRTDNTRLKPRKLKWEDFWKTRWQWSASGSVHSQYAIDIQNLPKERELRNKFILLTQTPYREFDFYATRKPQIQAWSSVKYEWGKMRAIYGTDLTSYILAHYAFYNCEDTLPNEFPVGNKARPSYVSAKVGAILKGRIPLCIDFEDFNSGHRNDSMEAVLQAYIDEFHEDLDPMQLSAAEWTKQSISATIVNDNMGTKTQYKTNGTLMSGWRLTTYMNSILNYIYTKLLTKDTESTYQSVHNGDDVLLGVRNFDIARRAVFNADKYNVRLQRSKCTFGGIAEFLRVDRVRGDFGQYLSRNVATLMHARIESKLALSVVDLVEASEERLREFIQRGGSPKTAARLRSIAYDRYSKIYETDTATLYRIKYSHRVAGGISDGLGAPIDQVINKDQVGRIAELPDYLPGIADYSNVLKKSLNLNMEVSKIAKRIYSATLNAVKLERTKVHTEVPENIEQLKVYRALYKAHSDATDNAAFGKAILTGFVFDVLSRNDKANTLMGILYQSKDPMQLLKVIA