

Mungbean yellow mosaic virus segment DNA-B movement protein (BC1) gene, partial cds; and nuclear shuttle protein (BV1) gene, complete cds

GenBank: KY303697.1

[FASTA Graphics](#)

[Go to:](#)

LOCUS KY303697 2654 bp ss-DNA linear VRL 05-FEB-2017
DEFINITION Mungbean yellow mosaic virus segment DNA-B movement protein (BC1) gene, partial cds; and nuclear shuttle protein (BV1) gene, complete cds.
ACCESSION KY303697
VERSION KY303697.1
KEYWORDS .
SOURCE Mungbean yellow mosaic virus (MYMV)
ORGANISM [Mungbean yellow mosaic virus](#)
Viruses; ssDNA viruses; Geminiviridae; Begomovirus.
REFERENCE 1 (bases 1 to 2654)
AUTHORS Bhajan,S.K., Ansari,A., Sony,S.K., Islam,M.N., Haque,M.I. and Sarker,R.H.
TITLE Direct Submission
JOURNAL Submitted (20-NOV-2016) Botany, University of Dhaka, Dayal Chotor, Dhaka 1000, Bangladesh
COMMENT ##Assembly-Data-START##
Sequencing Technology :: Sanger dideoxy sequencing
##Assembly-Data-END##
FEATURES Location/Qualifiers
source 1..2654
/organism="Mungbean yellow mosaic virus"
/mol_type="genomic DNA"
/isolation_source="infected leaf"
/host="mungbean"
/db_xref="taxon:[33726](#)"
/segment="DNA-B"
/country="Bangladesh"
/collection_date="16-Jan-2016"
/collected_by="Sujay Kumar Bhajan"
[gene](#) complement(<1..766)
/gene="BC1"
[CDS](#) complement(<1..766)
/gene="BC1"
/note="helps in infection"
/codon_start=1
/product="movement protein"

/protein_id="[APZ73804.1](#)"

/translation="MENYSGAVVNNKYVETKSCEYRLTNNEMPIKLFPSYLEQKTVQ

IMGRCMKVDHAVIEYRNQVPFNAKGTIVIVTIRDTRLSYEQAAQAAFTFPIACNVDLHY

FSSSFFSLKDETPWEIVYKVEDSNVIDGTTFAQIKAKLKLSSAKHSTDIRFKPPTINI

LSKDYTEECVDFWSVEKPKPIRRMLFPGPNQGPYPISGHRPIMLQPGETWATRSSIGR
SSSMRYTNNDRPSILDNTSASDADYPLRHLHLKLEAS"

[gene](#) 1723..2493

/gene="BV1"

[CDS](#) 1723..2493

/gene="BV1"

/codon_start=1

/product="nuclear shuttle protein"

/protein_id="[APZ73805.1](#)"

/translation="MFNRNYRTPLKLRHSNFGFRWQPMTPSRGRLRLNKPSASRKLSY

DRVEREMRTNSIVEVQHGSHMSLEKNTDVSSSFVQYPVRRINGDGRCDYIKLLKLDVS

GVINIKSSNGDQDMEPGDKLSGLFILTIVLLDKKPYLPEGVNKLPSFAELFGPYSAAYA

NMHLSDSQKPRFKVLGTIKKFVNCTPGTLYGPLKLNMPLSRRKCPLWTTFKDPDQGN

GGNYKNISKNAIVLSYAFISMHSLIVEPYFQFELKYVG"

ORIGIN

```
1 atgatgcctc tggcaattta tgcaaatgtc taagtggata atctgcgtct gaagcgctgg
61 tgttgctctag aatactgggc ctgctcgttgt tcgtgtaccg catggagctg ctgcgcccac
121 tagatgacct tgtagcccaa gtctcacctg gctgtagcat aatgggccta tgcccactta
181 tgggatattg accctgattg ggtcctggaa aaagcatatg cctaattggc tggggcttct
241 caacagacca aaagtccaca cattcttctg tgtagtcctt agacaatatg tttattgtcg
301 ggggtttgaa tctaattgtc gttgagtgtt ttgcggaaga caacttcaac ttggccttta
361 tctgggcaaa tgttgttccg tcgatcacat tggagtcctc gactttgtag actatctccc
421 atggtgtttc atccttcaga gagaagaagg atgatgagaa gtaatggaga tcgacgttac
481 atgcaattgg gaaagtgaaa gcagcttggtg ctgcttgctc atagcttagc cttgtgtcac
541 gaattgtgac tatgaccgtt cccttggcat tgaacggaac ttgggttctg tattcaatca
601 cagcatggtc taccttcatg catctgccc aaatctgaac agttttctgt tccagataag
661 aaggaaattg taacttgatg ggcattctct tgtttgttag tctgtattcg caactctttg
721 tttccacata cttgttatta acaactgctc ctgaataatt ctccattatt cagaaattgt
781 gttgcgaatt aatccctgaa aaggaacaca caccaggaaa ttattctatt aatttcaata
841 ggccgcgcag cggctatgag gtgagtttag atttataatc ataactaaa ccaaagaggg
901 ataaaaaac ctaataaccg aattcttgta attatctcag aaaattagag cactggatgt
961 gcacagagga agtaacaaat atttaattaa atatttggtg ttgtgatatt tctaagtgat
1021 tcaactcaatc gatttaaata aaagagaaac atgcgagagga ttgctgctct gatattaaat
1081 aggggagtat ttaatatccc caaatggata tatctggtgc ctccaacgtt tcggtgtcta
1141 agcgcgatgt tctagagaga gaagcatagc aaaacgcaag acgctaggca aaagagcgtg
1201 ctgatttcata tcggtgtata caccgattac ttctctctct atatatcggg gtattggtgt
1261 actatatata gtaaagttac taggggctct cagctataat attacctgag agccccgcga
1321 ccggtgtatt ggtattagag cacgtgggtg gtcctctat tacgtgggtc tctctggagt
1381 ctgcctcgga gcttgtttat tgaacgacta cttggagtaa caggtaaccg gataggtgac
1441 cgttcgtaca tggacaaatt cgtcttttcc tcaaaaagac cgtatttgc atttgggtga
1501 caacttttta tgcctatggc gcctaaacc ctcgggggat ttgtgtcatt tctctgaaat
1561 gactttaatt tgaaatcgtt tttattttat aaaaacgatc ttcgttcaat ttgtccacac
1621 tatgctatac gcactaagtc gttcgtttat tttaagttaa acatttcaat atttttatct
1681 ggatataaat ctaagacatg aacgtgagtt ttcaaccatg aaatgtttaa ccgcaattat
1741 cgaactcctc ttaaattacg tcatagtaat tttgggttca gatggcagcc tatgaccccg
```

1801 tcaagaggac gtttacgtct taataagcct agtgcttcac gtaaattgtc atatgaccgc
1861 gtggaacggg aaatgcgtac caattccatt gttgaggttc aacatggaag ccatatgtcc
1921 cttgagaaga acacggacgt gtcttcattt gtgcaatacc ctgttcgtgg aatcaacggg
1981 gatggacggt gtagggatta catcaagttg ctcaaacttg atgtctctgg tgtgataaac
2041 attaagtctt cgaatggaga ccaagacatg gaaccagggtg acaagttaag tggcctatth
2101 atcctgactg tcttgttaga caagaaacc tatcttcag aagggtgtgaa caagttacc
2161 tcctttgagg agttatthgg accttattct gctgcatatg cgaatatgca cctcttggat
2221 tctcagaagc cacgcttcaa ggtccttggg acaataaaga agttcgtgaa ttgcacacca
2281 gggacactat atggccctct gaaattaaat atgccgttat cacggcgaaa gtgtcctttg
2341 tggactacgt tcaaggacc tgatcagggt aactgtggtg gaaattataa gaacatthct
2401 aaaaatgcta ttgtattgag ctatgcattt atatcaatgc atagcctaath tgtggaacca
2461 tactthcaat tcgaattgaa atatgtggga taaaataaath aagaagttat thattthcat
2521 tgtgttacia cgctthgttc acattagacc gttgacttat aagacatthg ctaathagtcg
2581 tctctataath gtcctctath tctctcttgc tcattgcgtt agaathgagac tgagathactg
2641 aatctccagg atcc