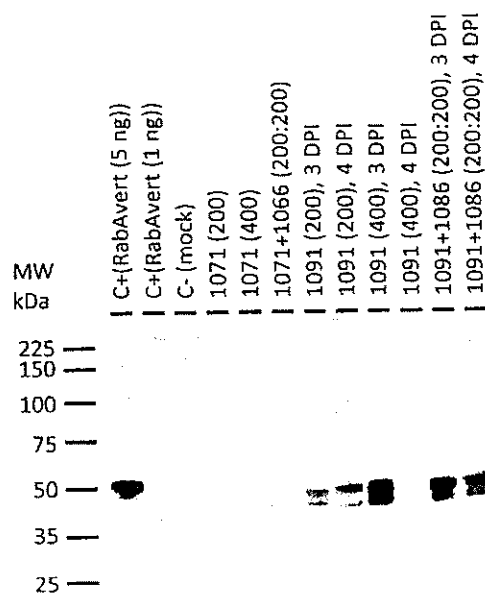


**Figure 1**

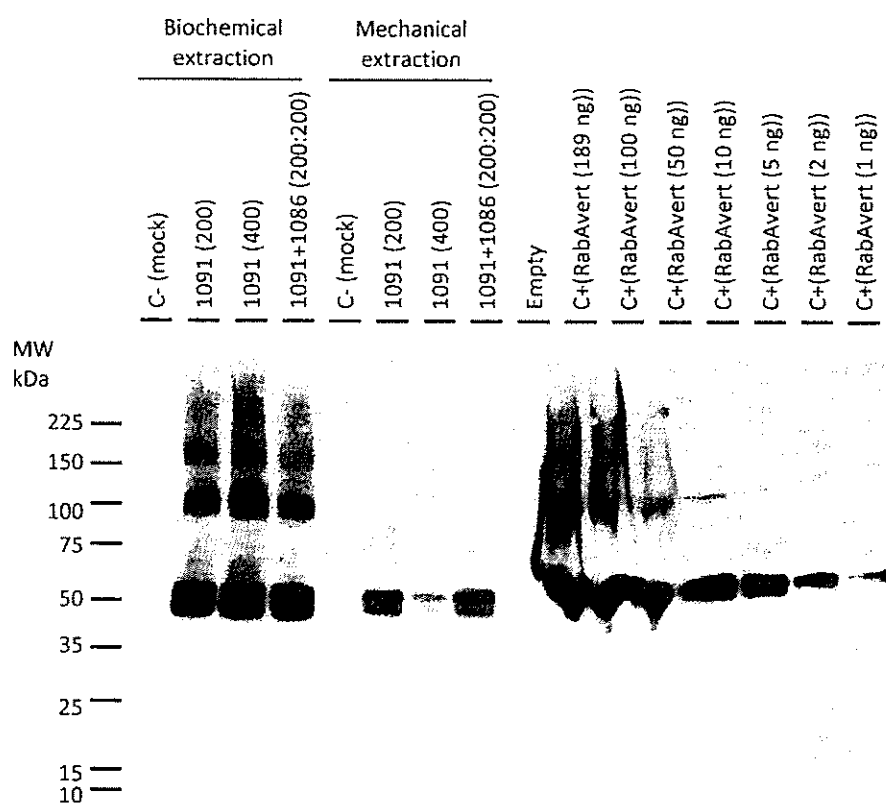
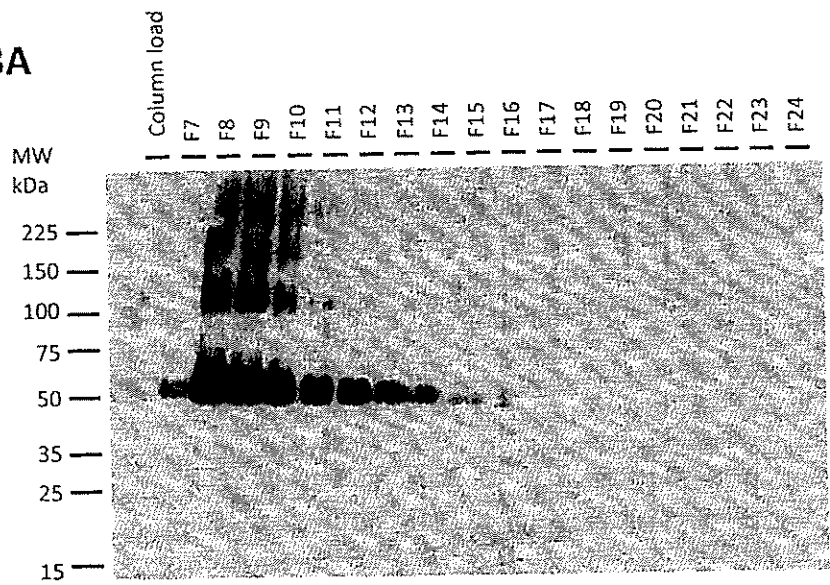


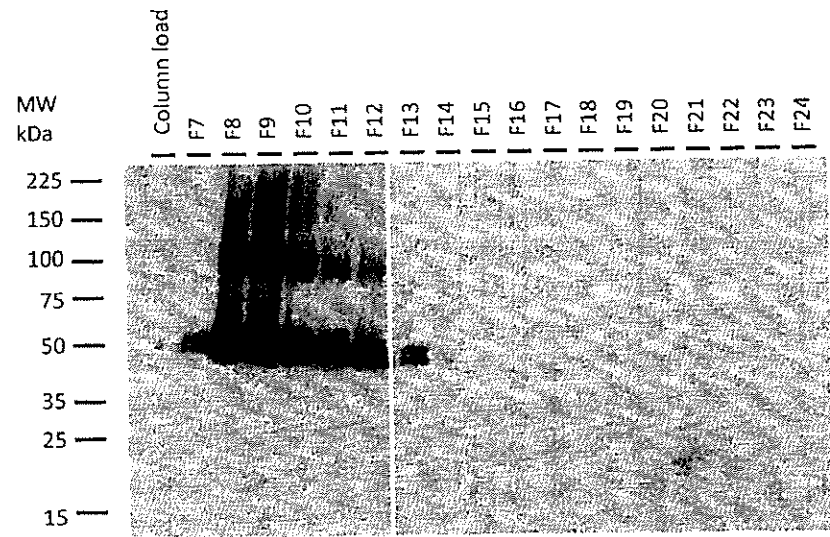
Figure 2

Figure 3A



1091

Figure 3B



1091 + 1086

Figure 4

A-2X35S/CPMV-HT/Rabies M/NOS (Construct number 1066)

Figure 4A, SEQ ID NO: 1

IF-RabM-S3.c

AAATTTGTCGGGCCCCATGAACTTTCTACGTAAGATAG

Figure 4B, SEQ ID NO: 2

IF-RabM-S1-4.r

ACTAAAGAAAATAGGCCTTTATTCTAGAAGCAGAGAGGA

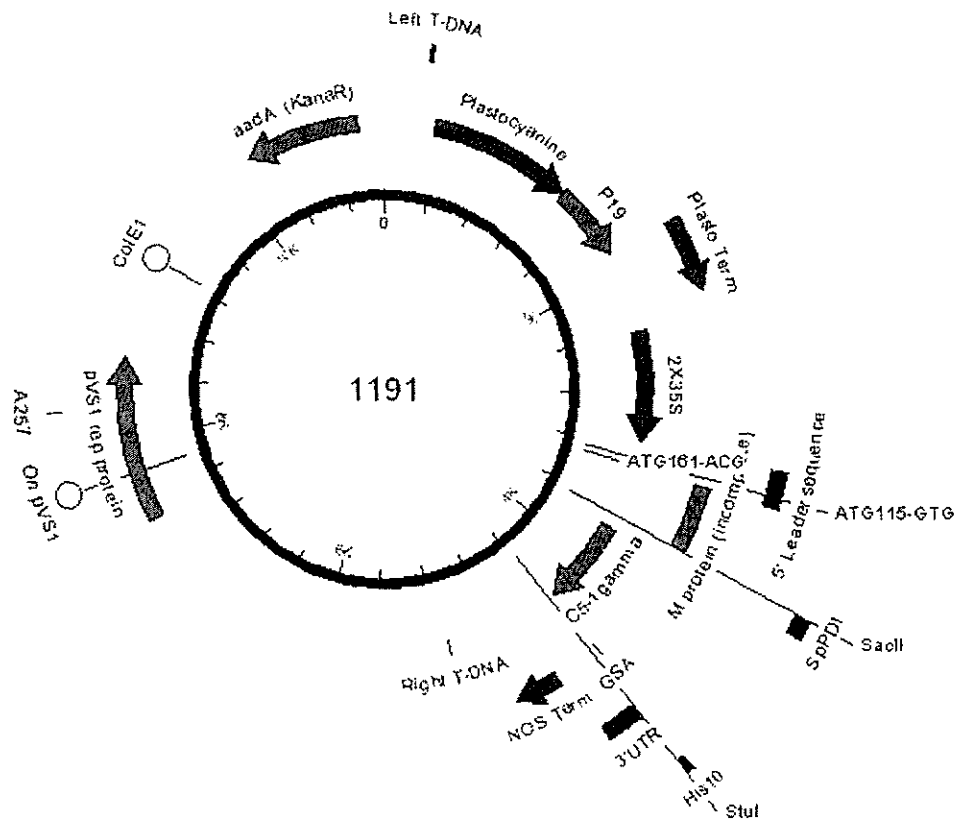
Figure 4C, SEQ ID NO: 3

Synthesized M protein coding sequence (corresponding to nt2496-3104 from Genbank accession number FJ913470)

ATGAACTTTCTACGTAAGATAGTGAAAAATTGCAGGGACGAGGACACTCAAAAACC
CTCTCCCGTGTGACGCCCTCTGGATGACGATGACTTGTGGCTTCCACCCCTGAATAC
GTCCCGCTGAAAGAACTTACAAGCAAGAAGAACATGAGGAACTTTTGTATCAACGG
AGGGGTAAAGTGTGTAGCCCGAATGGTTACTCGTTCAGGATCCTGCGGCACATTCT
GAAATCATTGACGAGATATATTCTGGGAATCATAGGATGATCGGGTTAGTCAAAGT
AGTTATTGGACTGGCTTTGTCAGGATCTCCAGTCCCTGAGGGCATGAACTGGGTATA
CAAATTGAGGAGAACCTTTATCTTCCAGTGGGCTGATTCCAGGGGCCCTCTTGAAGG
GGAGGAGTTGGAATACTCTCAGGAGATCACTTGGGATGATGATACTGAGTTCGTCCG
ATTGCAAATAAGAGTGATTGCAAAACAGTGTTCATATCCAGGGCAGAATCTGGTGTAT
CAACATGAACCCGAGAGCATGTCAACTATGGTCTGACATGTCTCTTCAGACACAAAG
GTCCGAAGAGGACAAAGATTCCTCTCTGCTTCTAGAATAA

Figure 4D

Schematic representation of construct number 1191. SacII and StuI restriction enzyme sites used for plasmid linearization are annotated on the representation.

**Figure 4E. SEQ ID NO: 4**

Construct number 1191 from left to right t-DNA borders (underlined). 2X35S/CPMV-HT/NOS with Plastocyanin-P19-Plastocyanin expression cassette (suppressor of silencing)

TGGCAGGATATATTGTGGTGTAAACAAATTGACGCTTAGACAACCTTAATAACACATTGCGGACGTTTTTA
ATGTACTGAATTAACGCCGAATCCCGGGCTGGTATATTTATATGTTGTCAAATAACTCAAAAAACCATAAA
AGTTTAAAGTTAGCAAGTGTGTACATTTTACTTGAACAAAAATATTCACCTACTACTGTTATAAATCATTA
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CAACATTTGAGAAAAATTTTGTGTCTCTCTTTTCATTGGTCAAAAAACAATAGAGAGAGAAAAAGGAAGA
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CGCATTAGAGAGATGTACCATTAGAGAATTTTGGCAAGTCATTAAGAAAGAAAGAAATAAATTTATTTTAA
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TGTATTAGTAATTAGAAATTTGGTGTCAAATTTAATTTGACATTTGATCTTTTCTATATAATTGCCCATAGA
GTCAGTTAACTCATTTTATATTTTCATAGATCAAAATAAGAGAAATAACGGTATATTAATCCCTCCAAAAA
AAAAAAACGGTATATTTACTAAAAAATCTAAGCCACGTAGGAGGATAACAGGATCCCCGTAGGAGGATA

ACATCCAAATCCAACCAATCACAAACAATCTTGATGAGATAACCCACTTTAAGCCACGCAATCTGIGGCACA
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CCAGATCGGATGTACCTATAGTATTCGGTTTCGAGGAGTTAGTATCACCGTTTCTGGAGGGTCGCGAACT
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AGAAATCAGAATGTTTCTCCATAACTAAGTACGATGAAGACCTGCCGCGTACAATTGTCTTATATTGA
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CAATAGATTAATAATGGAAATATCAGTTATCGAAATTCATTAACAATCAACTTAACGTTATTAACCTACTA
ATTTTATATCATCCCCCTTTGATAAATGATAGTACACCAATTAGGAAGGAGCATGCTCGCTAGGAGATTG
TCGTTTCCCGCTTCAGTTTGCAAGCTGCTCTAGCCGTGTAGCCAATACGCCAAACCGCTCTCCCGCGCG
TTGGGAATTACTAGCGCGTGTGACAAAGCTTGCATGCCGTCACATGGTGGAGCAGCACACACTTGTCT
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CACCCACGAGGAGCATCGTGGAAAAAGAACGTTCCAACACGCTTCAAAAGCAAGTGGATTGATGTG
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ATCTCTTTGTGGACACGTAGTGGCGGCCATTAATAACGTGTACTTGTCTTCTTGTCTGTGGTCT
TGGGAAAAAGAAAGCTTGTGGAGGCTGCTGTTACGCCCCATACATTACTTGTACGATTCTGCTGACTT
GGCGGGTGCAATATCTCTACTTCTGCTTGACGAGGTATTGTTGCCTGTACTTCTTCTTCTTCTTGTCTG
ATTGGTTCTATAAGAAATCTAGTATTTCTTTGAAACAGAGTTTCCCGTGGTTTTCGAACCTGGAGAAAG
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GGATGATCCCGAGGTCCAGTTCAGCTGGTTGTAGATGATGTGGAGGTGCACACAGCTCAGACGCAACCC
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TATGTAATTTAATTTCTTTGTGAGCTCCTGTTAGCAGGTCTGCTCCCTCAGCAAGGACACAAAAAGATTT
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CAAACATTTGGCAATAAAGTTTCTTAAGATTGAATCTGTGCGGCTTTCGATGATTATCATATAATTT
CTGTTGAATTACGTTAAGCATGTAATAATTAACAATGTAATGCATGACGTTATTTATGAGATGGGTTTAT
GATTAGAGTCCCGCAATTATACATTTAATACCGGATAGAAAAACAAATATAGCGCGCAAACTAGGATAA
ATTAATCGCGCGCGGTGTCTATGTTACTAGATCTCTAGAGTCTCAAGCTTGGCGCGCCACGTGACTAG

TGGCAGTGGCCGTCGTTTTACAACGTCGTGACTGGGAAAACCTGGCGTTACCCAACTTAATCGCCCTTGC
 AGCACATCCCCCTTTCGCCAGCTGGCGTAATAGCGAAGAGGCCCCGACCGATCGCCCTTCCCAACAGTTG
 CGCAGCCTGAATGGCGAATGCTAGAGCAGCTTGAGCTTGGATCAGATTGTCGTTTCCCGCCTTCAGTTTA
 AACTATCAGTGTGTTGACAGGATATATTGGCGGGTAAACCTAAGAGAAAAGAGCGTTTA

Figure 4F, SEQ ID NO: 5

Expression cassette number 1066 from 2X35S promoter to NOS terminator. Open reading frame of M protein from Rabies virus ERA strains underlined.

GTCAACATGGTGGAGCACGACACACTTGTCTACTCCAAAAATATCAAAGATACAGTCTCAGAAGACCAA
 AGGGCAATTGAGACTTTTCAACAAAGGGTAATATCCGGAAACCTCCTCGGATTCCATTGCCCAGCTATCT
 GTCACCTTATTGTGAAGATAGTGGAAAAAGGAAAGGTGGCTCCTACAAATGCCATCATTTGCGATAAAAGGAA
 AGGCCATCGTTGAAGATGCCTCTGCCGACAGTGGTCCCAAGATGGACCCCCACCCACGAGGAGCATCG
 TGGAAAAAGAAGACGTTCCAACCACGTCCTCAAAGCAAGTGGATTGATGTGATAACATGGTGGAGCACG
 ACACACTTGTCTACTCCAAAAATATCAAAGATACAGTCTCAGAAGACCAAAGGGCAATTGAGACTTTTCA
 ACAAGGGTAATATCCGGAAACCTCCTCGGATTCCATTGCCCAGCTATCTGTCACTTTATTGTGAAGATA
 GTGGAAAAGGAAGGTGGCTCCTACAAATGCCATCATTTGCGATAAAAGGAAAGGCCATCGTTGAAGATGCC
 TCTGCCGACAGTGGTCCCAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAACGTTCCA
 ACCACGCTTCAAAGCAAGTGGATTGATGTGATACTCCACTGACGTAAGGGATGACGCACAAATCCCACT
 ATCCTTCGCAAGACCTTCTCTATATAAGGAAGTTCATTTTCATTTGGAGAGGTATTAATAATCTTAATAGG
 TTTTGATAAAAGCGAACGTGGGGAAACCCGAACCAAACTTCTTCTAACTCTCTCTCATCTCTCTTAAAG
 CAAACTTCTCTCTTGTCTTCTTGTGCGTGAGCGATCTTCAACGTTGTGAGATCGTGTCTCGGCACCAGTACA
 ACGTTTTCTTCTACTGAAGCGAAATCAAAGATCTCTTGTGGACACGTAAGTGGCGGCCATTAAATAACG
 TGTACTTGTCTTCTTGTGCGGTGTGGTCTTGGGAAAAGAAAGCTTGTGGAGGCTGCTGTTCAGCCCCA
 TACATTACTTGTACGATTCTGCTGACTTTCGGCGGGTGCAATATCTCTACTTCTGCTTGACGAGGTATTG
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 GTTTTCCCGTGGTTTTCGAACCTTGGAGAAAGATTGTTAAGCTTCTGTATATTCTGCCCAAATTTGTGGGC
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AGCCCCCTCTGGATGACGATGACTTGTGGCTTCCACCCCTGAATACGTCCCGCTGAAAGAACTTACAAGC
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 TAAATTTATTAAAAAAGACCGGGAAATTCGAATATCAAGCTTATCGACCTGCAGATCGTT
 CAAACATTTGGCAATAAAGTTTCTTAAGATTGAATCCTGTTGCCGGTCTTGGATGATTATCATATAATTT
 CTGTTGAATTACGTTAAGCATGTAATAATTAAATGTAATGCATGACGTTATTTATGAGATGGGTTTAT
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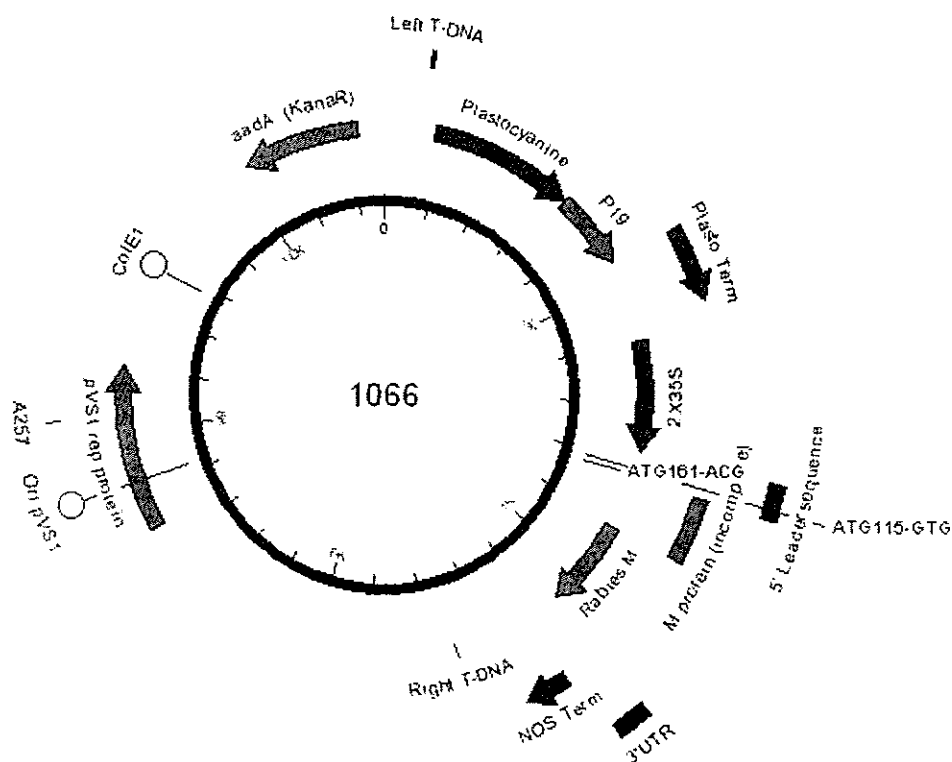
Figure 4G, SEQ ID NO: 6

Amino acid sequence of M protein from Rabies virus ERA strain

MNFLRKIVKNCRDEDTQKPSPVSAPLDDDDLWLPPPEYVPLKELTSKKNMRFNCINGGV
 KVCSPNGYSFRILRHILKSFDEIYSGNHRMIGLVKVVIGLALSGSPVPEGMNWVYKLRT
 FIFQWADSRGPLEGEELEYSQEITWDDDTFVGLQIRVIAKQCHIQGRIWCINMNPRACQ
 LWSDSLQTORSEEDKDSSLLE*

Figure 4H,

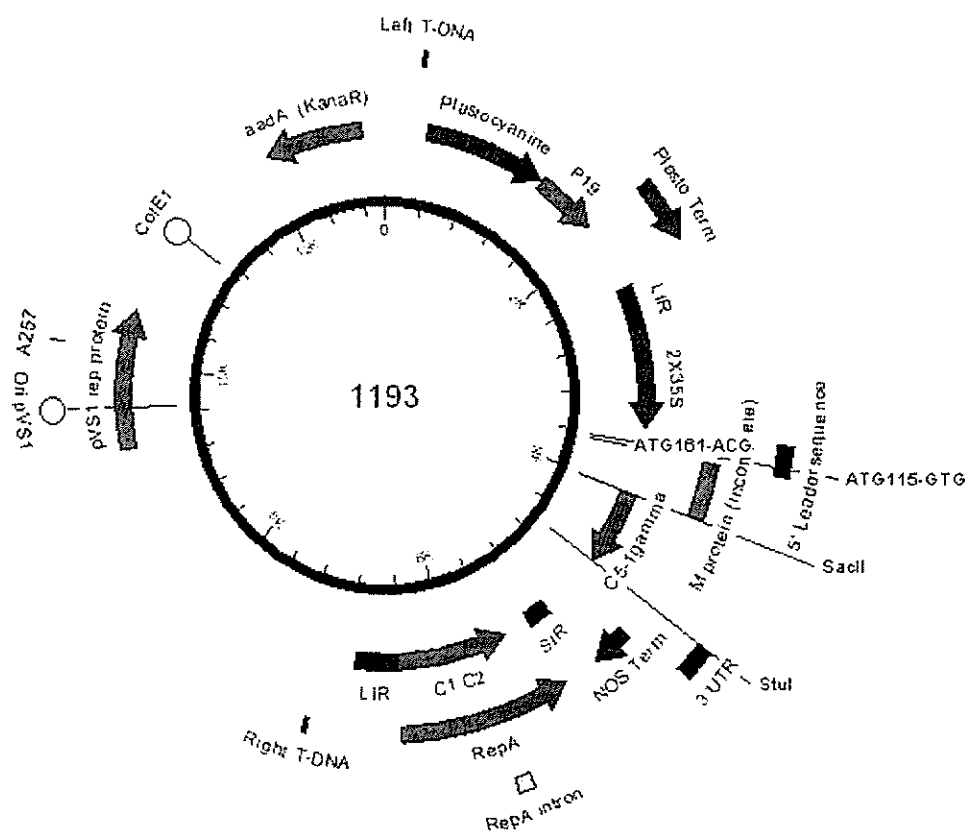
Schematic representation of construct number 1066



B-2X35S/CPMV-HT/Rabies M/NOS into BeYDV+Replicase amplification system (Construct number 1086)

Figure 5A

Schematic representation of construct number 1193. SacII and StuI restriction enzyme sites used for plasmid linearization are annotated on the representation.

**Figure 5B, SEQ ID NO:7**

Construct number 1193 from left to right t-DNA borders (underlined), 2X35S/CPMV-HT/NOS into BeYDV+Replicase amplification system with Plastocyanin-TBSV P19-Plastocyanin expression cassette(suppressor of silencing)

TGGCAGGATATATTGTTGGTGTAAACAAAATTGACGCTTAGACAACCTTAATAACACATTGCGGACGTTTITA
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GGGAGAATAAAAAACATAATGTGAGTATGAGAGAGAAAAGTTGTACAAAAGTTGTACCAAAATAGTTGTAC
AAATATCAATTGAGGAATTTGACAAAAGCTACACAAATAAGGGTTAATTGCTGTAAATAAATAAGGATGA
CGCATTAGAGAGATGTACCATTAGAGAATTTTGGCAAGTCATTAAAAAGAAAGAATAAATTAATTTTAA
AATTAAGTTGAGTCATTTGATTAAACATGTGATTATTTAATGAATTGA1GAAAGAGTTGGATTAAAGT

GTATTAGTAATTAGAAATTTGGTGFCAAATTTAATTIGACATTTGATCTTTTCTATATATTGCCCCA IAGA
GTCAGTTAACTCAITTTTATATTTCATAGATCAAAATAAGAGAAAATAACGGTATATTAATCCCTCCAAAAA
AAAAAAACGGTATATTTACTAAAAAATCTAAGCCACGTAGGAGGATAACAGGATCCCCGTAGGAGGATA
ACATCCAATCCAACCAATCACAACAATCTTGATGAGATAACCCACTTTAAGCCCACGCATCTGTGGCACA
TCTACATTATCTAAATCACACATCTTCCACACATCTGAGCCACACAAAAAACCAATCCACATCTTTATCAC
CCATTCATATAAAAAATCACACTTTGTGAGTCTACACTTTTGATTCCCTTCAAACACATACAAAGAGAAAGAG
ACTAATTAATTAATTAATCATCTTGAGAGAAAATGGAACGAGCTATACAAGGAAACGACGCTAGGGAAC
AAGCTAACAGTGAACGTTGGGATGGAGGATCAGGAGGTACCCTTCTCCCTCAAACCTTCTGACGAAAAG
TCCGAGTTGGACTGAGTGGCGGCTACATAACGATGAGACGAATTCGAATCAAGATAATCCCTTGGTTTC
AAGGAAAGCTGGGTTTCGGGAAAGTTGTATTTAAGAGATATCTCAGATACGACAGGACGGAAGCTTCA
CTGCACAGAGTCTTGGATCTTGGACGGGAGATTCCGTTAACTATGCAGCATCTCGAITTTTTCGGTTTCGA
CCAGATCGGATGTACCTATAGTATTCGGTTTCGAGGAGTTAGTATCACCGTTTCTGGAGGGTTCGGAACCT
CTTCAGCATCTCTGTGAGATGGCAATTCGGTCTAAGCAAGAACTGCTACAGCTTGCCCCAATCGAAGTGG
AAAGTAATGTATCAAGAGGATGCCCTGAAGGTACTCAAACCTTCGAAAAAGAAAGCGAGTAAGTAAAA
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AGAATCAGAATGTTTCTCCATAACTAAGTACAGATGAAGACCTGCCGCTACAATTTGCTTATATTTGA
ACAACATAAAATTGAACATCTTTTGGCACAACCTTTATAAGTGGTTAATATAGCTCAAATATATGGTCAAGTT
CAATAGATTAATAATGGAAATATCAGTTATCGAAATTCATTAACAATCAACTTAACGTTATTAACTACTA
ATTTTATACTCATCCCTTTTGATAAATGATAGTACACCAATTAGGAAGGAGCATGCTCGCTAGGAGATTG
TCGTTTCCCGCTTCAGTTTGCAAGCTGCTCTAGCCGTGTAGCCAATACGCAAAACCGCTCTCCCGCGCG
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AATATTACCGGCGTGGCCCACTTATCGCGAGTGCTTTAGCACGAGCGGTCCAGATTTAAAGTAGAAAA
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 GCCGTCTGTTTACAACGTCTGTAAGTGGGAAAACCTTGGCGTTACCCAACCTAATCGCCTTGCAGCACATC
 CCCCTTTCGCCAGCTGGCGTAATAGCGAAGAGGGCCGACCGATCGCCCTTCCCAACAGTTGCGCAGCCT
 GATGGCGAATGCTAGAGCAGCTTGAGCTTGGATCAGATTGTCGTTTCCCGCTTCAGTTTAAACTATCA
 GTGTTTGACAGGATATATTGGCGGGTAAACCTAAGAGAAAAAGAGCGTTA

Figure 5C, SEQ ID NO: 8

Expression cassette number 1086 from BeYDV left LIR to BeYDV right LIR. Open reading frame of PDISP/G protein from Rabies virus ERA strain is underlined.

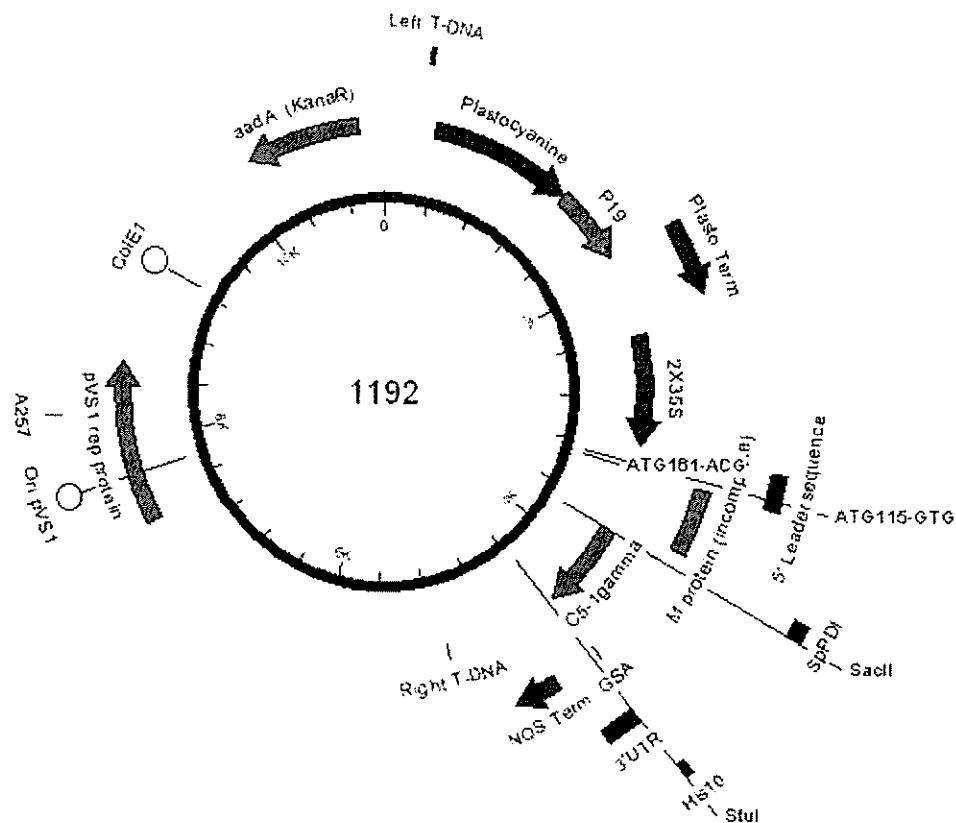
CTAGCAGAAGGCATGTTGTTGTGACTCCGAGGGGTTCCTCAAACTCTATCTTATAACCGGCGTGGAGGC
 ATGGAGGCAAGGGCATTTTGGTAATTTAAGTAGTTAGTGGAAAAATGACGTCAATTTACTTAAAGACGAAGT
 CTTGCGACAAGGGGGGGCCACGCCGAATTTAATATTACCGGCGTGGCCCCACCTTATCGCGAGTGCTTT
 AGCACGAGCGGTCCAGATTAAAGTAGAAAAAGTTCGCCCCCACTAGGGTTAAAGGTGTTTACACTATAA
 AAGCATATACGATGTGATGGTATTTGATAAAGCGTATATTGTATCAGGTAATTCGTCGGATACGAATTA
 TTCGTACAAGCTTCTTAAGCCGGTCAACATGGTGGAGCACGACACACTTGTCTACTCCAAAAATATCAAA
 GATACAGTCTCAGAAGACCAAGGGCAATTTGAGACTTTTCAACAAAGGGTAATATCCGGAAACCTCCTC
 GGATTCATTGCCCAGCTATCTGTCACTTTATTTGTGAAGATAGTGGAAAAAGGAAGGTGGCTCCTACAAAT
 GCCATCATTTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCGACAGTGGTCCCAAGATGGAC
 CCCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTCCAACCACGTCTTCAAAGCAAGTGGATTGAT
 GTGATAACATGGTGGAGCACGACACACTTGTCTACTCCAAAAATATCAAAGATACAGTCTCAGAAGACC
 AAAGGGCAATTTGAGACTTTTCAACAAAGGGTAATATCCGGAAACCTCTCGGATTCATTGCCCAGCTAT

CTGTCACTTTATTGTGAAGATAGTGGAAAAGGAAGGTGGCTCCTACAAATGCCATCATTTGCGATAAAGGA
AAGGCCATCGTTGAAGATGCTCTGCGGACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATC
GTGGAAAAAGAAAGACGTTCCAACCACGTTCTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAA
GGGATGACGCAAAATCCCACATCCCTTCGCAAGACCTTCCTCTATATAAGGAAGTTCATTTCATTTGGAG
AGGTAATAAAATCTTAATAGGTTTGTATAAAAGCGAACGTGGGGAAACCCGAACCAAACCTTCTCTAAA
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TCGTGCTTCGGCACCAGTACAACGTTTCTTTCCTGAAAGCGAAATCAAAAGATCTCTTGTGGACACGTAG
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GAGGCTGCTGTTCAGCCCCATACATTACTTGTACGATTCTGCTGACTTTCGGCGGGTGCAATATCTCTAC
TTCTGCTTGACGAGGTATTGTTCCTGTACTTCTTCTTCTTCTTCTTGTGATTTGGTCTATAAGAAATCT
AGTATTTTCTTGAAGACAGAGTTTTCCTGCTGGTTTTCGAACCTTGGAGAAAGATTGTAAAGCTTCTGTATAT
TCTGCCCAAAATTTGTGCGGCCCCATGAACCTTCTACGTAAGATAGTGAAGAAATTCAGGGGACGAGGACACT
CAAAAACCCCTCTCCCGTGTACGCCCCCTCTGGATGACGATGACTTGTGGCTTCCACCCCTGAATACGTCCC
GCTGAAAAGAACTTACAAGCAAGAAGAACATGAGGAACTTTGTATCAACGGAGGGGTTAAAGTGTGTAG
CCGAATGGTTACGTTTCAGGATCCTGCGGCACATCTGAAATCATTCGACGAGATATATTCTGGGAAT
CATAGGATGATCGGGTAGTCAAAGTAGTTATTGGACTGGCTTGTGAGGATCTCCAGTCCCTGAGGGCA
TGAACCTGGGTATACAAATGAGGAGAACCTTTATCTTCCAGTGGGCTGATTCCAGGGGCCCTCTTGAAGG
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AGTGATTGCAAAACAGTGTCTATCCAGGGCAGAACTCTGGTGTATCAACATGAACCCGAGAGCATGTCA
ACTATGGTCTGACATGTCTCTCAGACACAAAGGTCCGAAGAGGACAAAGATTCCTCTCTGCTCTAGAA
TAAAGGCCTATTTCTTATGTTGAATTTACTGTTATTCGGTGTGCATTTCTATGTTTGGTGAGCGGTTTC
TGTGCTCAGAGTGTGTTATTTATGTAATTTAATTTCTTGTGAGCTCCTGTTAGCAGGTCGTCCCTTCA
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CTTATCGACCTGCAGATCGTTCAAACATTTGGCAATAAAGTTTCTTAAGATTGAATCCTGTTGCCGGTCTT
GCGATGATTATCATATAATTTCTGTTGAATTACGTTAAGCATGTAATAATTAACATGTAATGCATGACGTT
ATTTATGAGATGGGTTTATGATTAGAGTCCCGCAATTATACATTTAATACCGGATAGAAAAACAAATA
TAGCGCGCAAACTAGGATAAAATATCGCGCGCGGTGTCTATGTTACTAGATCTCTAGAGTCTCAAGC
TTGGCGCGGGTACCGAGCTCGAATTCGAGGTACTTCAAGTCAGTTGGAAATCAATAAAATGATTATT
TTATGAATATATTTCTATTGTGCAAGTAGATAGAAATTACATATGTTACATAACACAGAAATAACAAAA
AAACACAATCCAAAAACAAACACCCCAACAAAAAACAACATAATATAATCTCGTATGAGGAGAGGCACG
TTCAGTGACTCGACGATTCGAGCAAAAAAAGTCTCCCGTCAACATATAGTGGGTGACGCAATATC
TTCAAAGTAATCTTCTGTTGACTTGTCAATTGATAACATCCAGTCTTCGTGAGGATTGCAAGAATATAG
AAGGGATCCACCTTTTATTTCTCTTTTTCATATTTAGGGTTGACAGTGAAATCAGACTGGCAACCT
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CGTAGTTGGTGAAGTCGATGGTCCCGTTCAGTAGTGTGTGCGCCGAGACTTCTAGCCCAAGTGGTCTTT
CCGGTACGAGTTGGTCCGAGATGTAGAGGCTGGGGTGTCTGACCCAGTCTTCCCTCATCTCGTTAG
ATCGGCCATCCACTCAAGGTCAGATTTGTGCTTGATCGTAGGAGACAGGATGTATGAAAAGTGTAGGCATCG
ATGCTTACATGATAAGGTGCGTCTCTCTCCAGTTGTGCAGATCTTCGTGGCAGCGGAGATCTGATTCTGT
GAAGGGCGACACGTACTGCTCAGGTTGTGGAGGAAATAATTTGTTGGCTGAATATTCAGCCATTGAAGC
TTTGTGCCCCATTCAAGAGGGAATTCCTTTGATCATGTCAAGATACCTCTCTTAGACGTTGCACTGT
GATAATAGTTCCGCATCGTGCCTCAGATTTGCGAGGAGAGACCTTATGATCTCGGAAATCTCTCTGGTTT
TAATATCTCCGTCTTTGATATGTAATCAAGGACTTGTTAGAGTTTCTAGCTGGCTGGATATTAGGGTGA
TTTCTTCAAAATCGAAAAAAGAGGATCCCTAATACAAGGTTTATTATCAAGCTGGATAAGAGCATGAT
AGTGGGTAGTGCCATCTTGATGAAGCTCAGAAGCAACACCAAGGAAGAAAAAAGAAAAGGTGTGAGTT
TCTCCAGAGAACTGGAATAAATCATCTCTTTGAGATGAGCACTTGGGGTAGGTAAGGAAAAACATATT
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ATCTTATAACCGGCGTGGAGGCAATGGAGGCAAGGGCATTGTGGTAATTTAAGTAGTTAGTGGAAAATGAC
GTCATTTACTTAAAGACGAAGTCTTTCGACAAGGGGGGCCACGCCGAATTTAATATTACCGGCGTGGC
CCCACCTTATCGGAGTGTCTTAGCACGAGCGGTCCAGATTTAAGTAGAAAAGTTCCCGCCCACTAGGG
TAAAGGTGTTCACTATAAAAGCATATACGATGTGATGGTATTTGATGGAGCGTATATTGTATCAGGT
ATTTCCGTCCGATACGAATTATTCGTAC

TAGTGGAGGACGAAGGATGCACCAACCTGTCAGGGTTCCTACATGGAACCTIAAAGTTGGATACATCTT
AGCCATAAAAAATGAACGGGTTACITGACACAGGCGTTGTGACGGAGGGCTGAAACCTACACTAACTTCGTT
GGTTATGTCACAACCACGTTCAAAAAGAAAGCATTTCGCCCCAACACCAGATGCATGTAGAGCCGCGTAC
AACTGGGAAGATGGCCGGTGACCCAGATATGAAGAGTCTCTACACAATCCGTACCCTGACTACCGCTGGC
TTCGAACGTGAAAAACCACCAAGGAGTCTCTCGTTATCATATCTCCAAGTGTGGCAGATTTGGACCCATA
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TGCTCCACTAACCACGATTACACCATTTGGATGCCCCGAGAATCCGAGACTAGGGATGTCTTGTGACATTT
TTACCAATAGTAGAGGGGAAGAGAGCATCCAAAGGGAGTGAGACTTGCGGCTTTGTAGATGAAAGAGGCC
TATATAAGTCTTTAAAAAGGAGCATGCAAACTCAAGTTATGTGGAGTCTFAGGACTTAGACTTATGGATGG
AACATGGGTGCGGATGCAAACATCAAAATGAAACCAAAATGGTGCCCTCCCGATCAGTTGGTGAACCTGCA
CGACTTTCGCTCAGACGAAATTTGAGCACCTTGTGTAGAGGAGTTGGTCAGGAAGAGAGAGGAGTGTCT
GGATGCACTAGAGTCCATCATGACAACCAAGTCAGTGAGTTTCAGACGTCTCAGTCATTTAAGAAAACTT
GTCCCTGGGTTTGGAAAAAGCATATACCATATTCACCAAGACCTTGATGGAAGCCGATGCTCACTACAAGT
CAGTCAGAACTTGGAATGAGATCCTCCCTTCAAAAGGGTGTTTAAGAGTTGGGGGGAGGTGTCTATCCTCA
TGTGAACGGGGTGTITTTCAATGGTATAATATTAGGACCTGACGGCAATGTCTTAATCCCAGAGATGCAA
TCATCCCTCCTCCAGCAACATA'GGAGTTGT'GGAATCCTCGGTTATCCCCCTTGTGCACCCCCCTGGCAGA
CCCGTCTACCGTTTTCAGGACGGTGACGAGGCTGAGGATTTTGTGGAAGTTCACCTTCCCGATGTGCAC
AATCAGGTCTCAGGAGTTGACTTGGGTCTCCCGAACTGGGGGAAGTATGTATTAAGTGCAGGGGGCCC
TGACTGCCTTGATGTTGATAATTTTCTGATGACATGTTGTAGAAGAGTCAATCGATCAGAACTACGCA
ACACAATCTCAGAGGGACAGGGAGGGAGGTGTCAGTCACTCCCCAAAGCGGGAAGATCATATCTTCATG
GGAATCACACAAGAGTGGGGGTGAGACCAGACTGTGA

Figure 6D

Schematic representation of construct number 1192. SacII and StuI restriction enzyme sites used for plasmid linearization are annotated on the representation.

**Figure 6E, SEQ ID NO: 12**

Construct number 1192 from left to right t-DNA borders (underlined). 2X35S/CPMV-HT/PDISP/NOS with Plastocyanin-P19-Plastocyanin expression cassette (suppressor of silencing)

TGGCAGGATATATTGTGGTGTAAACAAATTGACGCTTAGACAACCTTAATAACACATTGCGGACGTTTTTA
ATGTACTGAATTAACGCCGAATCCCGGGCTGGTATATTTATATGTTGTCAAATAACTCAAAAACCATAAAA
AGTTTAAAGTTAGCAAGTGTGTACATTTTACTTGAACAAAAATATTCACCTACTACTGTTATAAATCATT
TTAAACATITAGAGTAAAGAAAATATGGATGATAAGAACAAAGAGTAGTGATATTTTGACAACAATTTTGTG
CAACATTTGAGAAAAATTTGTGTTCTCTCTTTTCAITGGTCAAAAAACAATAGAGAGAGAAAAAGGAAGA
GGGAGAATAAAAAACATAATGTGAGTATGAGAGAGAAAGTTGTACAAAAGTTGTACCAAAAATAGTTGTAC
AAATATCATTGAGGAATTTGACAAAAGCTACACAAATAAGGGTTAAATGCTGTAAATAAATAAGGATGA
CGCATTAGAGAGATGTACCATTTAGAGAATTTTGGCAAGTCATTA AAAAGAAAAGAATAAATTATTTTAA
AATTAAAAGTTGAGTCAATTTGATTAACATGTGATTTATTTAATGAATTGATGAAAAGAGTTGGATTAAAGT
TGTAITAGTAATTAGAATTTGGTGTCAAATTTAATTTGACATTTGATCTTTTCCTATATATTTGCCCCATAGA
GTCAGTTAACTCATTTTATATTTTCATAGATCAAATAAGAGAAAATAACGGTATATTAATCCCTCCAAAAA

AAAAAAAAACGGTATAITTAATAAAAAATCTAAGCCACGTAGGAGGATAACAGGATCCCGTAGGAGGATA
ACATCCAATCCAACCAATCACACAAATCCTGATGAGATAACCCACTTTAAGCCCACGCATCTGTGGCACA
TCTACATTAATAATACACATTTCTCCACACATCTGAGCCACACAAAAACCAATCCACATCTTTATCAC
CCATTTCTATAAAAAATCACACTTGTGAGTCTACACTTTGATTCCTTCAAACACATACAAAGAGAAAGAG
ACTAATTAATTAATTAATCATCTTTGAGAGAAAAATGGAACGAGCTATACAAGGAAACGACGCTAGGGAAAC
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TCCGAGTTGGACTGAGTGGCGGCTACATAACGATGAGACGAATTCGAATCAAGATAATCCCTTGGTTTC
AAGGAAAGCTGGGGTTTCGGGAAAGTTGTAATTAAGAGATATCTCAGATACGACAGGACGGAAGCTTCA
CTGCACAGAGTCTTGGATCTTGGACGGGAGATTCCGTTAACTATGCAGCATCTCGATTTTTCGGTTTCGA
CCAGATCGGATGTACCTATAGTATTCGGTTTCGAGGAGTTAGTATCACCGTTTCTGGAGGGTCGCGAACT
CTTCAGCATCTCTGTGAGATGGCAATTCGGTCTAAGCAAGAAGCTGCTACAGCTTGCCCCAATCGAAGTGG
AAAGTAATGTATCAAGAGGATGCCCTGAAGGTAATCAAACTTCGAAAAAGAAAGCGAGTAAGTTAAAA
TGCCTCTCGTCTCTATTTATAATATGGTTTGTATTGTAAATTTGTCTTGTAGAAGAGCTTAATTAAT
CGTTGTGTATGAAATACTATTTGTATGAGATGAAGTGGTGAATGTAAATTCATTTACATAAGTGGAGTC
AGAATCAGAATGTTCCTCCATAACTAAGTACATGAAGACCTGCCGCGTACAATGTCTTATAITTTGA
ACAACATAAAATGAACATCTTTTGCACAACTTTATAAGTGGTTAATATAGCTCAAAATATATGGTCAAGTT
CAATAGATTAATAATGGAAATATCAGTTATCGAAATTCATTAACAATCAACTTAACGTTATTAACCTACTA
ATTTTATATCATCCCCCTTGTATAATGATAGTACACCAATTAGGAAGGAGCATGCTCGCTTAGGAGATTG
TCGTTTCCCGCCTTCAGTTTGAAGCTGCTCTAGCCGTGTAGCCAATACGCAAAACCGCCTCTCCCCGCGCG
TTGGGAATTACTAGCGCGTGTGACAAAGCTTGCATGCCGGTCAACATGGTGGAGCACGACACACTTGTCT
ACTCCAAAAATATCAAAAGATACAGTCTCAGAAGACCAAAAGGGCAATTGAGACTTTTCAACAAAGGGTAA
TATCCGAAACCTCTCGGATCCATTGCCAGCTATCTGTCACTTTATTGTGAAGATAGTGGAAAAAGGA
AGGTGGCTCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCGACAGT
GGTCCCAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAAAGACGTTCCAACCACGTTCTCA
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CACCCACGAGGAGCATCGTGGAAAAAGAAAGACGTTCCAACCACGTTCTCAAAGCAAGTGGATTGATGTG
ATACTCCACTGACGTAAGGGATGACGCACAATCCCCTATCCCTTCGCAAGACCTTCTCTATATAAGG
AAGTTCAATTCATTTGGAGAGGTATTAATAATCTTAATAGGTTTGTATAAAGCGAAGCTGGGGAAACCCG
AACCAAACCTTCTTAAACCTCTCTCTCATCTCTCTTAAAGCAAACTTCTCTTGTCTTCTTGTCTTCTGCGT
GATCTTCAACGTTGTGAGATCTGTCTTCCGGCACCAGTACAACGTTTCTTCTTCACTGAAGCGAAATCAAG
ATCTCTTGTGGACACGTAGTGGCGCGCCATTAAATTAACGTGTACTTGTCTTCTTCTTGTCTTCTTGTCT
TGGGAAAGAAAGCTTGTGGAGGCTGTCTTCAAGCCCATACATTACTTGTGTAGATTCTGTGACTTCTT
GGCGGGTGAATATCTTACTTCTGCTTGTGACGAGGTATTGTTGCCTGTACTTCTTCTTCTTCTTCTTGTG
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TCTGTCTATCCACTGGCCCCCTGGATCTGTGCCCAAACTAATCCATGGTGACCTGGGATGCCTGGTCAA
GGGCTATTCCCTGAGCCAGTGACAGTGACCTGGAATCTTGGATCCCTGTCCAGCGGTGTGCACACCTTC
CCAGCTGTCTGACGTCTGACCTCTACACTCTGAGCAGCTCAGTGACTGTCCCTCCAGCACCTGGCCCCA
GCGAGACCGTACCTGCAACGTTGCCCAACCGGCCAGCAGCACCAAGGTGGACAAGAAAAATTGTGCCCA
GGGATTGTGGTTGTAAGCTTGCATATGTACAGTCCCAAGAGTATCATCTGTCTTCTATCTTCCCCCAAG
CCCAAGGATGTGCTCACCATTACTCTGACTCTAAAGTACAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT
ATCCCGAGGTCCAGTTTCTGCTGGTTTGTAGATGATGTGGAGGTGCACACAGCTCAGACGCAACCCCGGA
GGAGCAGTTCAACAGCACTTCCGCTCAGTCAGTGAATCTCCATCATGCACCAGGACTGGCTCAATGGC
AAGGAGCGATCGCTCACCATCACCATCACCATCACCATCACCATTAAAGGCTATTTCTTTAGTTTGAAT
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TATTAATAAAAAAAAAAAAAAAAAAGACCGGAATTCGATATCAAGCTTATCGACCTGCAGATCGTTCAAAC
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GAGTCCCGCAATTATACATTTAATACCGGATAGAAAACAAAATATAGCGCGAAACTAGGATAAAATTAAT

CGCGCGCGGTGTCATCTATGTTACTAGATCTCTAGAGTCTCAAGCTTGGCGCGCCACGTGACTAGTGGC
 ACTGGCCGTCGTTTTACAACGTCGTGACTGGGAAAACCCCTGGCGTTACCCAACCTTAATCGCCITGCAGCA
 CATCCCCCTTCGCCAGCTGGCGTAATAGCGAAGAGGCCCGCACCGATCGCCCTTCCCAACAGTTGCGCA
 GCCTGAATGGCGAATGCTAGAGCAGCTTGAGCTTGGATCAGATTGTCGTTTCCCGCCTTCAGTTTAAACT
 ATCAGTGTGTTGACAGGATATATTGGCGGGTAAACCTAAGAGAAAAGAGCGTTTA

Figure 6F, SEQ ID NO: 13

Expression cassette number 1071 from 2X35S promoter to NOS terminator. Open reading frame of PDISP/Gprotein from Rabies virus ERA strain is underlined.

GTCAACATGGTGGAGCACGACACACTTGTCTACTCCAAAAATATCAAAGAATACAGTCTCAGAAGACCAA
 AGGGCAATTGAGACTTTTCAACAAAGGGTAATATCCGGAAACCTCCTCGGATTCATTGCCAGCTATCT
 GTCACTTTATTGTGAAGATAGTGGAAAAGGAAGGTGGCTCCTACAAATGCCATCATTGCGATAAAGGAA
 AGGCCATCGTTGAAGATGCCTCTGCCGACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCG
 TGGAAAAAGAAGACGTTCCAAACCACGTCTTCAAAGCAAAGTGGATTGATGTGATAACATGGTGGAGCACG
 ACACACTTGTCTACTCCAAAAATATCAAAGATACAGTCTCAGAAGACCAAAGGGCAATTGAGACTTTTCA
 ACAAAGGGTAATATCCGGAAACCTCCTCGGATTCATTGCCAGCTATCTGTCACTTTATTTGTGAAGATA
 GTGGAAAAGGAAGGTGGCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCC
 TCTGCCGACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTCCA
 ACCACGTCTTCAAAGCAAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACT
 ATCCTTCGCAAGACCCCTTCTCTATATAAGGAAGTTTCATTTCATTGGAGAGGTATTAAATCTTAATAGG
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 CAAACTCTCTCTTGTCTTCTTGTGCGTGAAGCATCTTCAACGTTGTGATCGTGTCTCGGCACCAAGTACA
 ACGTTTCTTCTCACTGAAGCGAAATCAAAGATCTCTTGTGGACACGTAAGTGGCGGCCATTAAATAACG
 TGTACTTGTCTCTTCTTGTGCGGTGTGGTCTTGGGAAAAGAAAGCTTGTGGAGGCTGCTGTCAGCCCCA
 TACATTACTTGTACGATTCTGCTGACTTTCGGCGGGTGCATATCTCTACTTCTGCTTGACGAGGTAATTG
 TTGCTGTACTTCTTCTTCTTCTTCTTGTGATTTGTTCTATAAGAAATCTAGTATTTCTTTGAAACAGA
 GTTTTCCCGTGGTTTCTGAACCTGGAGAAAGATTGTTAAGCTTCTGTATATCTGCCCCAAATTTGTCCGGC
 CCATGGCGAAAAACGTTGCGATTCTTGGCTTATTGTTTCTCTCTTGTGTTGGTTTCTTCTCAGATCTTCG
 CCAATTCCTTATTTACACGATACCAGACAAGCTTGGTCCCTGGAGCCCGATTGACATACATCACCTCAG
 CTGCCCCAAACAATTTGGTAGTGGAGGACGAAGGATGCACCAACCTGTGAGGGTTCTCTACATGGAACCT
 AAAGTTGGATACATCTTAGCCATAAAAAATGAACGGGTTCACTTGCACAGGCGTTGTGACGGAGGCTGAA
 ACCIACACTAATCTCGTTGGTTATGTACAAACCACGTTCAAAAAGAAAGCAATTCGCCCCAACACCAAGT
 CATGTAGAGCCCGGTACAACTGGAAAGATGGCCGGTGACCCAGATATGAAGAGTCTTACACAATCCGT
 ACCCTGACTACCGCTGGCTTCAACTGTAAAAACCACCAAGGAGTCTCTCGTTATCATATCTCAAGTGT
 GGCAGATTGGACCCATATGACAGATCCCTTCACTCGAGGGTCTTCCCTAGCGGGAAGTGTCTCAGGAGTA
 GCGGTGTCTTCTACTTACTGCTCCACTAACCACGATTACACCATTTGGATGCCCGAGAAATCCGAGACTAG
 GGATGTCTTGTGACATTTTACCATAAGTAGAGGGGAAGAGAGCATCCAAAGGGAGTGAGACTTGCGGCTT
 TGTAGATGAAAGAGGGCTATATAAGTCTTTAAAGGAGCATGCAAACTCAAGTTATGTGGAGTTCTAGGA
 CTTAGACTTATGGATGGAACATGGGTCCGGAATGCAAAACATCAAAATGAAACCAAATGGTGCCCTCCCGATC
 AGTTGGTGAACCTGCACGACTTTCGCTCAGACGAAATGAGCACCTTGTGTAGAGGAGTTGGTCAGGAA
 GAGAGAGGAGTGTCTGGATGCATGAGTCCATCATGACAACCAAGTCAGTGAGTTTCAAGCGTCTCAGT
 CATTTAAGAAAACCTTGTCCCTGGGTTTGGAAAAGCATATACCATATTCAACAAGACCTTGATGGAAGCCG
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 TGAGTGCAGGGGGCCCTGACTGCCCTTGATGTTGATAATTTCTGTATGACATGTTGTAGAAGAGTCAATCG
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TAATTTTATTAATAAAAAAAAAAAAAAAAAAGACCGGGAATTCGATATCAAGCTTATCGACCTGCAGATCGTT
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CTGTTGAATTACGTTAAGCATGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTTAT
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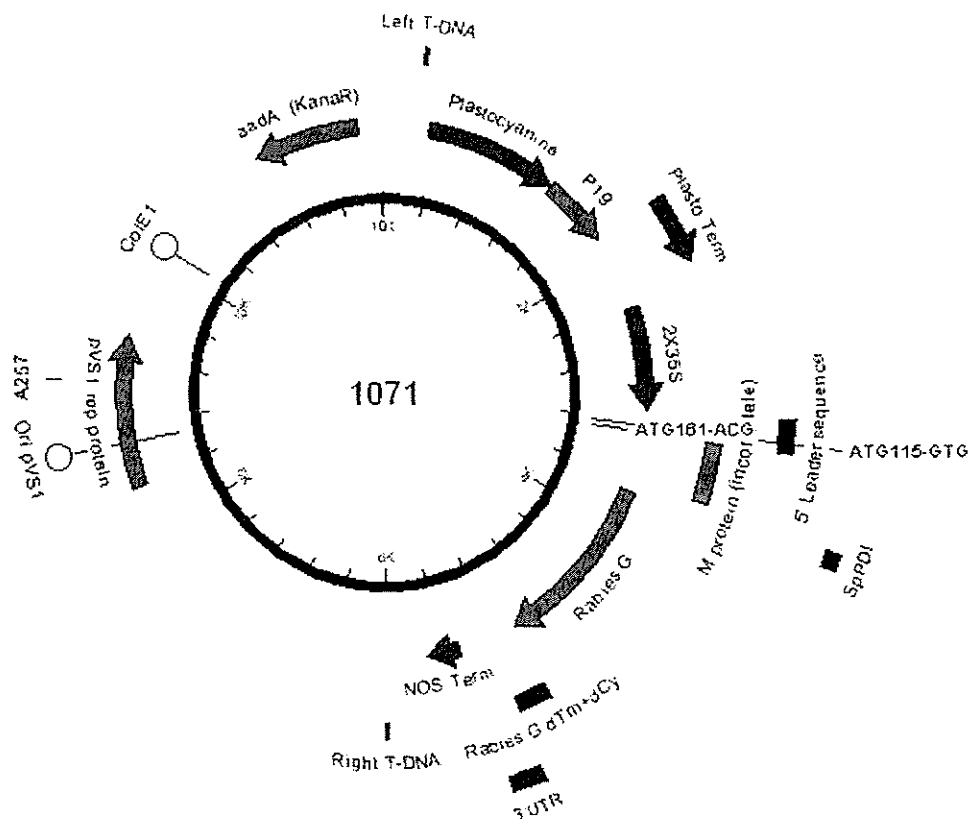
Figure 6G, SEQ ID NO: 14

Amino acid sequence of PDISP-G protein from Rabies virus ERA strain

MAKNVAIFGLLFSLVLVPSQIFAKFPIYTIPDKLGPWSPIDIHHLSCPNNLVVEDEGCTNL
SGFSYMELKVGYLAIKMNGFTCTGVVTEAETYTNFVGYYVTTTFKRKHFRPTPDACRAA
YNWKMAGDPRYEESLHNPYPDYRWLRTVKTTKESLVIISPSVADLDPYDRSLHSRVFPS
GKCSGVAVSSTYCSNHDYTIWMPENPRLGMSCDIFTNSRGKRASKGSETCGFVDERGL
YKSLKGACKLKLCGVLGLRLMDGTWVAMQTSNETKWCPDQLVNLHDFRSDEIEHLV
VEELVRKREECLDALESIMTTKSVSFRRLSHLRKLVPGFGKAYTIFNKTLMHEADAHYKSV
RTWNEILPSKGCLRVGGRCHPHVNGVFFNGIILGPDGNVLIPEMQSSLLQQHMELESSVI
PLVHPLADPSTVFKDGDEAEDFVEVHLPDVHNQVSGVDLGLPNWGKYVLLSAGALTAL
MLIIFLMTCCRRVNRSEPTQHNLRGTGREVSVTPQSGKIISWESHKSGGETRL*

Figure 6H

Schematic representation of construct number 1071



D-2X35S/CPMV-HT/PDISP/Rabies G/NOS into BeYDV+Replicase amplification system
 (Construct number 1091)

Figure 7A

Schematic representation of construct number 1194. SacII and StuI restriction enzyme sites used for plasmid linearization are annotated on the representation.

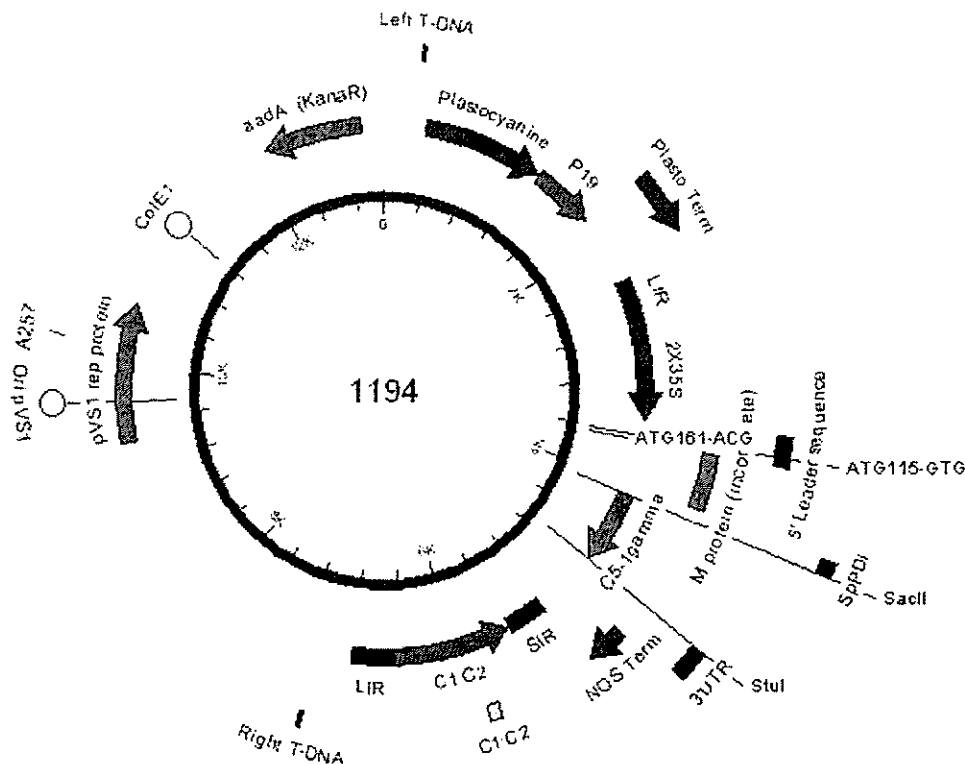


Figure 7B, SEQ ID NO: 15

Construct number 1194 from left to right t-DNA borders (underlined).2X35S/CPMV-HT/PDISP/NOS into BeYDV+Replicase amplification system with Plastocyanin-P19-Plastocyanin expression cassette (suppressor of silencing)

TGGCAGGATATATTGGTGTAAACAATTGACGCTTAGACAACCTTAATAACACATTGCGGACGTTTITA
ATGTACTGAATTAAACGCCGAATCCCGGGCTGGTATATTTATATGTTGTCAAATAACTCAAAAACCATAAA
AGTTTAAGTTAGCAAGTGTGTACATTTTACITGAACAAAAATATTCACCTACTACTGTTATAAATCATT
TTAAACATTAGAGTAAAGAAATATGGATGATAAGAACAAGAGTAGTGATATTTTGACAACAAATTTTGTG
CAACATTTGAGAAAAATTTTGTGTTCTCTCTTTTCATTGGTCAAAAACAATAGAGAGAGAAAAAGGAAGA
GGGAGAATAAAAAACATAATGTGAGTATGAGAGAGAAAGTTGTACAAAAGTTGTACCAAAATAGTTGTAC
AAATATCATTGAGGAATTTGACAAAAGCTACACAAATAAGGGTTAATTGCTGTAAATAAATAAGGATGA
CGCATTAGAGAGATGTACCATTAGAGAAATTTTGGCAAGTCATTAAAAAGAAAAGAATAAATTAATTTTAA
AATTAAGTTGAGTCAATTTGATTAAACATGTGATTATTAATGAATTGATGAAAGAGTTGGATTAAAGT
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Figure 7C. SEQ ID NO:16

Expression cassette number 1091 from BeYDV left LIR to BeYDV right LIR. Open reading frame of PDISP/G protein from Rabies virus ERA strain is underlined.

CTAGCAGAAGGCATGTTGTTGTGACTCCGAGGGGTGCGCTCAAACCTCTATCTTATAACCGGCGTGGAGGC
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Figure 7D

Schematic representation of construct number 1091

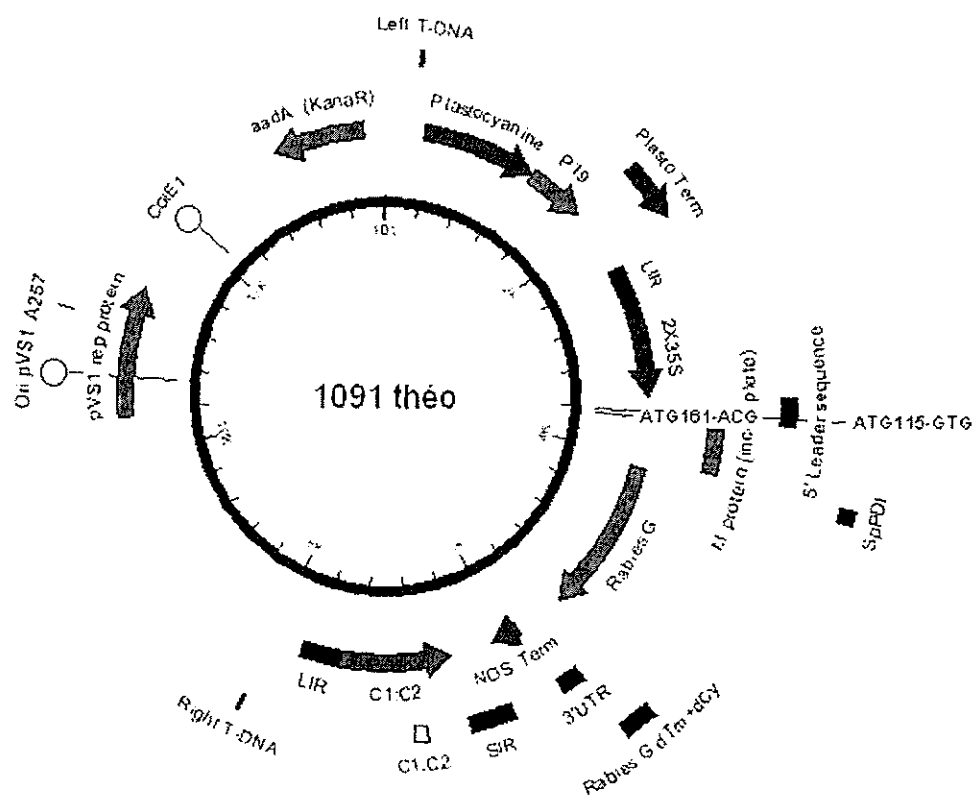


Figure 8A

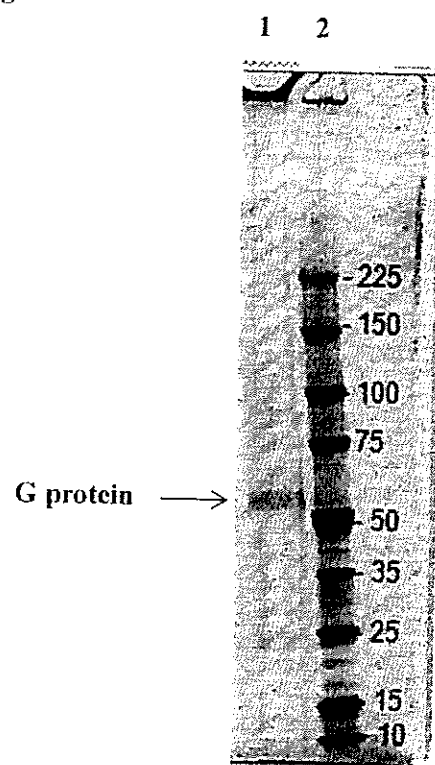


Figure 8B

