

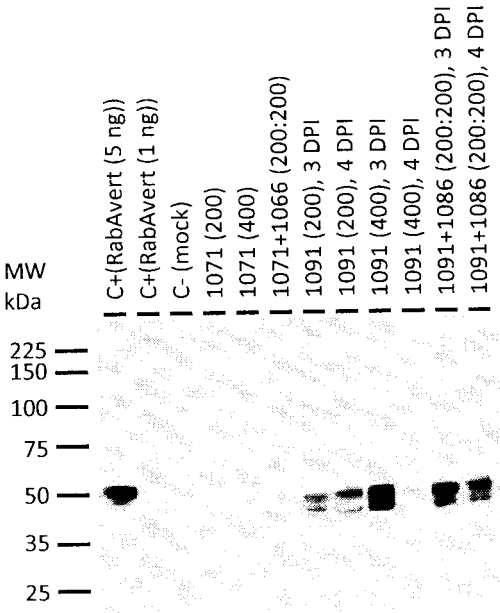


Figure 1

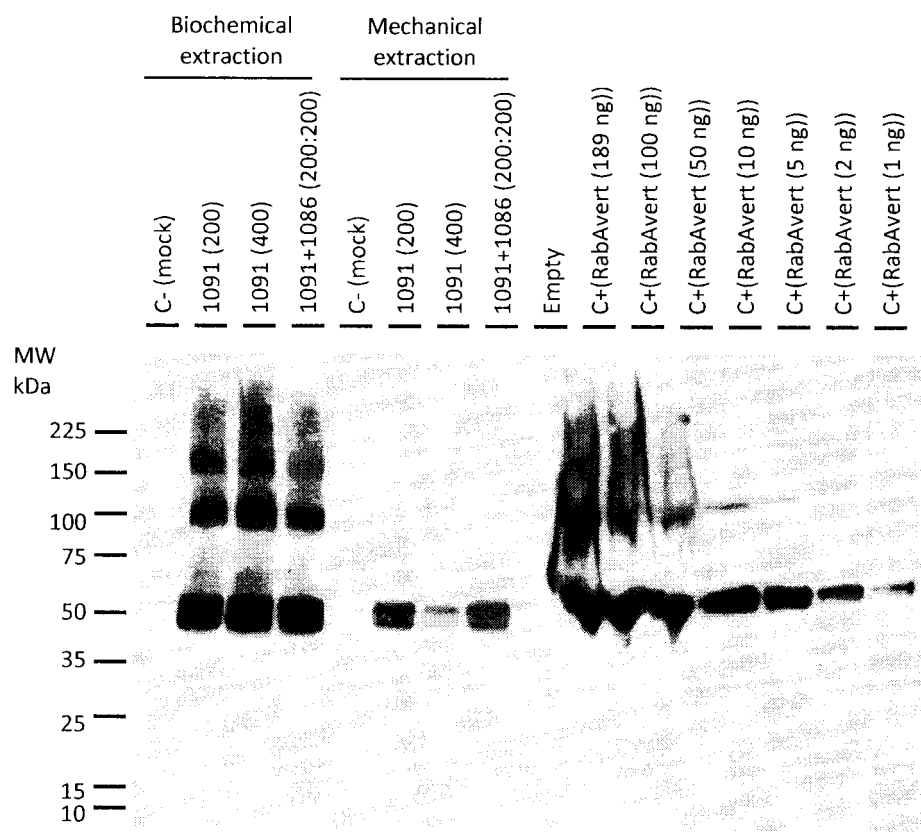
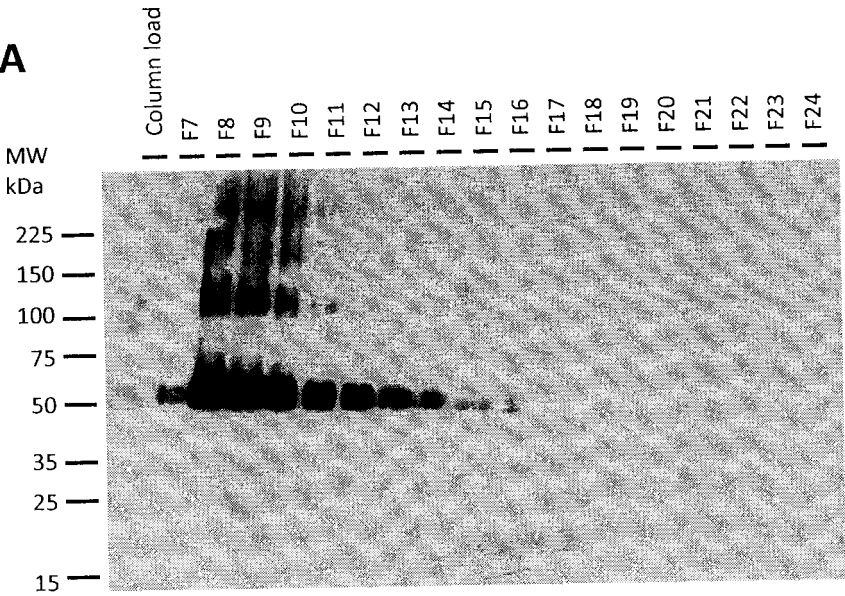


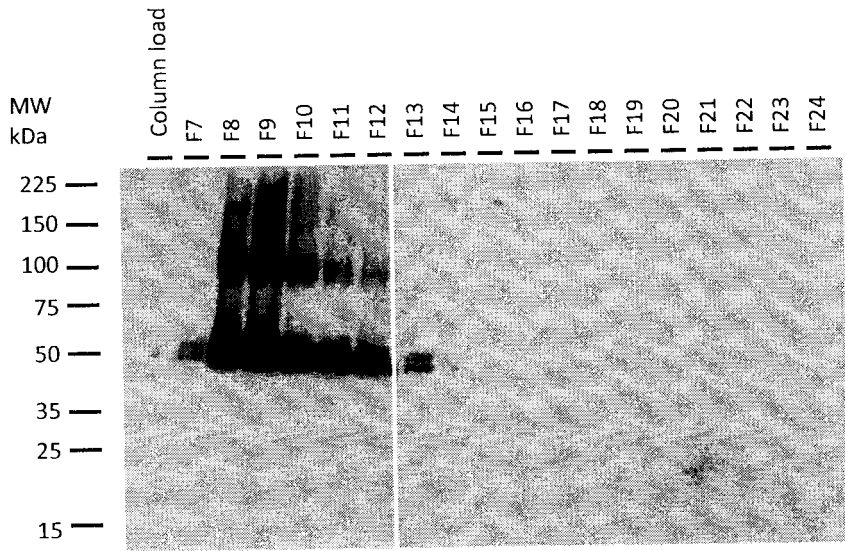
Figure 2

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

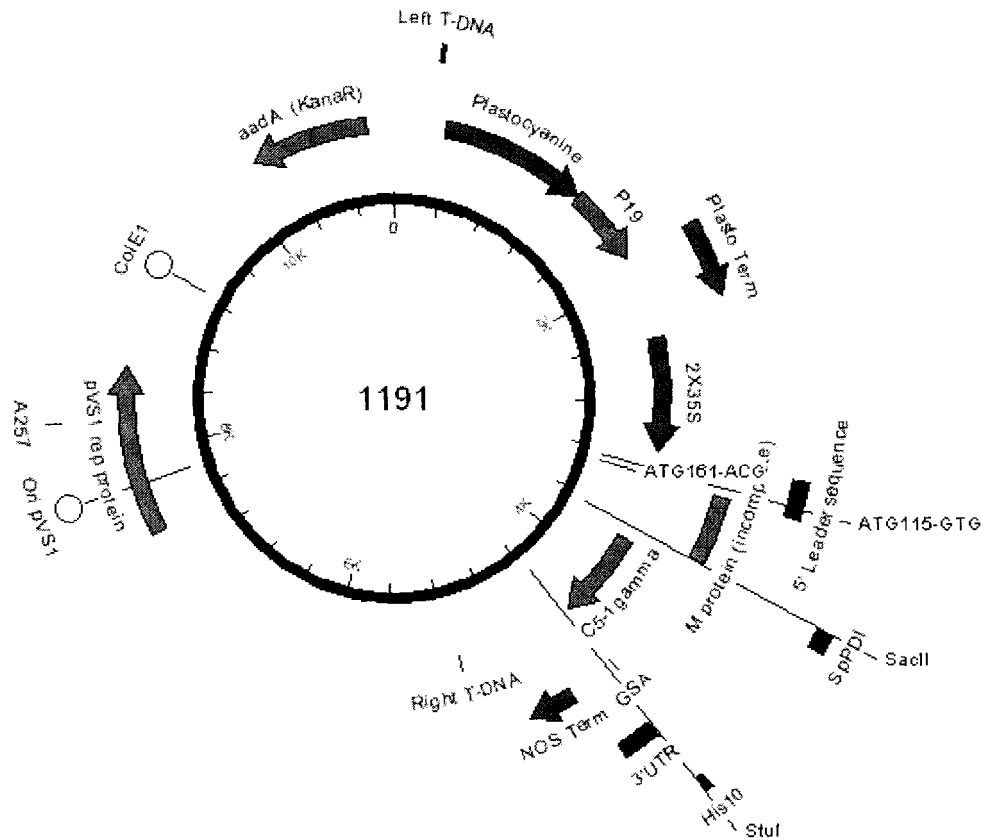
Figure 4C, SEQ ID NO: 3

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

ATGAACTTTCTACGTAAGATAGTGAAAAATTGCAGGGACGAGGACACTCAAAAACC
CTCTCCCGTGTCAGCCCCCTCTGGATGACGATGACTTGTGGCTTCCACCCCCTGAATAC
GTCCCGCTGAAAGAACTTACAAGCAAGAAGAACATGAGGAACTTTTGTATCAACGG
AGGGGTAAAGTGTGTAGCCCGAATGGTTACTCGTTCAGGATCCTGCGGCACATTCT
GAAATCATTCGACGAGATATATTCTGGGAATCATAGGATGATCGGGTTAGTCAAAGT
AGTTATTGGACTGGCTTTGTCAGGATCTCCAGTCCCTGAGGGCATGAACTGGGTATA
CAAATTGAGGAGAACCTTTATCTTCCAGTGGGCTGATTCCAGGGGCCCTCTTGAAGG
GGAGGAGTTGGAATACTCTCAGGAGATCACTTGGGATGATGATACTGAGTTCGTTCGG
ATTGCAAATAAGAGTGATTGCAAAACAGTGTATATCCAGGGCAGAATCTGGTGTAT
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)

TGGCAGGATATATTGTGGTGTAACAAATTGACGCTTAGACAACCTTAATAACACATTGCGGACGTTTTTA
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AAAAAACGGTATATTTACTAAAAAATCTAAGCCACGTAGGAGGATAACAGGATCCCCGTAGGAGGATA

ACATCCAATCCAACCAATCACAACAATCCTGATGAGATAACCCACTTTAAGCCCACGCATCTGTGGCACA
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CACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTCCAACCACGTTCTCAAAGCAAGTGGATTGATGTG
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CTGTTGAATTACGTTAAGCATGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTAT
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TGGCACTGGCCGTCGTTTACAACGTCGTGACTGGGAAAACCCCTGGCGTTACCCAACCTTAATCGCCTTGC
 AGCACATCCCCCTTTCGCCAGCTGGCGTAATAGCGAAGAGGCCCGACCGATCGCCCTTCCCAACAGTTG
 CGCAGCCTGAATGGCGAATGCTAGAGCAGCTTGAGCTTGGATCAGATTGTCGTTTCCCGCCTTCAGTTTA
 AACTATCAGTGTTTGACAGGATATATTGGCGGGTAAACCTAAGAGAAAAGAGCGTTTA

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 strain is underlined.

GTCAACATGGTGGAGCACGACACACTTGTCTACTCCAAAAATATCAAAGATACAGTCTCAGAAGACCAA
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 GTCACCTTATTGTGAAGATAGTGGAAAAGGAAGGTGGCTCCTACAAATGCCATCATTGCGATAAAGGAA
 AGGCCATCGTTGAAGATGCCTCTGCCGACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCG
 TGGAAAAAGAAGACGTTCCAACCACGCTCTTCAAAGCAAGTGGATTGATGTGATAACATGGTGGAGCACG
 ACACACTTGTCTACTCCAAAAATATCAAAGATACAGTCTCAGAAGACCAAAGGGCAATTGAGACTTTTCA
 ACAAGGGTAATATCCGGAAACCTCCTCGGATTCCATTGCCAGCTATCTGTCACTTTATTGTGAAGATA
 GTGGAAAAGGAAGGTGGCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCC
 TCTGCCGACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTCCA
 ACCACGCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAAGGGATGACGCACAATCCCACT
 ATCCTTCGCAAGACCTTCTCTATATAAGGAAGTTCATTTTCATTGGAGAGGTATTAATACTTAATAGG
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 CAAACTTCTCTCTTGTCTTCTTGTGCGTGAGCGATCTTCAACGTTGTGAGATCGTGCTTCGGCACCACTACA
 ACGTTTTCTTCACTGAAGCGAAATCAAAGATCTCTTGTGGACACGTAGTGCGGCGCCATTAAATAACG
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 CAAACATTTGGCAATAAAGTTTCTTAAGAATGAATCCTGTTGCCGGTCTTGCATGATTATCATATAATTT
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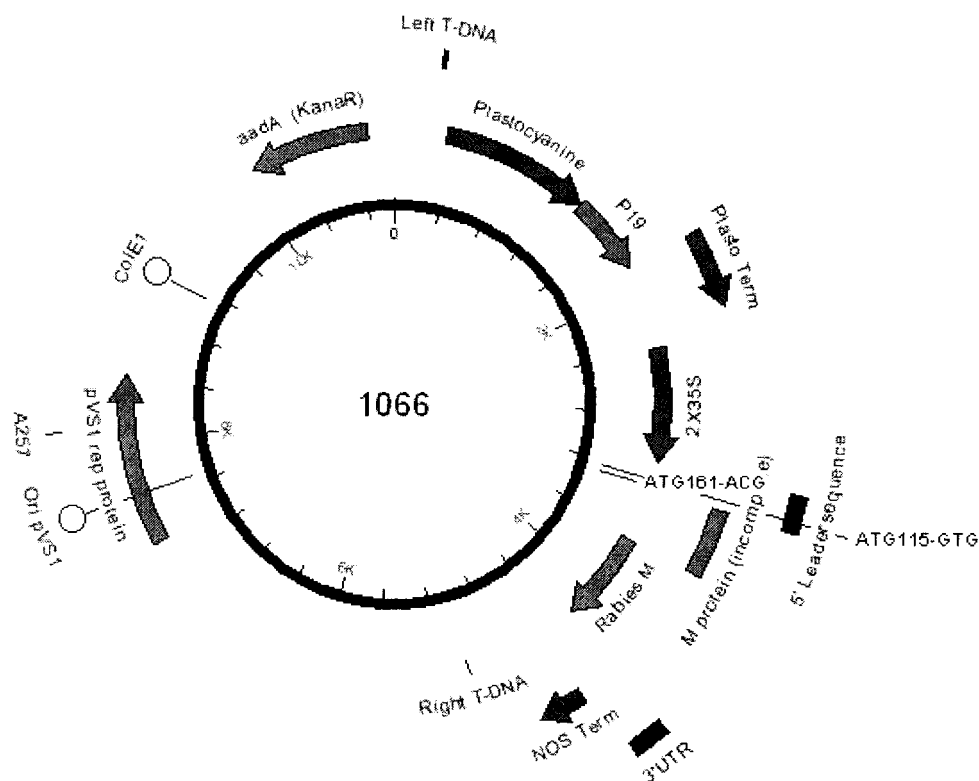
Figure 4G, SEQ ID NO: 6

Amino acid sequence of M protein from Rabies virus ERA strain

MNFLRKIVKNCRDEDTQKPSPVSAPLDDDDLWLPPPEYVPLKELTSKKNMRFNCINGGV
 KVCSPNGYSFRILRHILKSFDEIYSGNHRMIGLVKVVI GLALSGSPVPEGMNWVYKLRRT
 FIFQWADSRGPLEGEELEYSQEITWDDDDTEFVGLQIRVIAKQCHIQGRIWCINMNPRACQ
 LWSDMSLQTRSEEDKDSSLLLE*

Figure 4H,

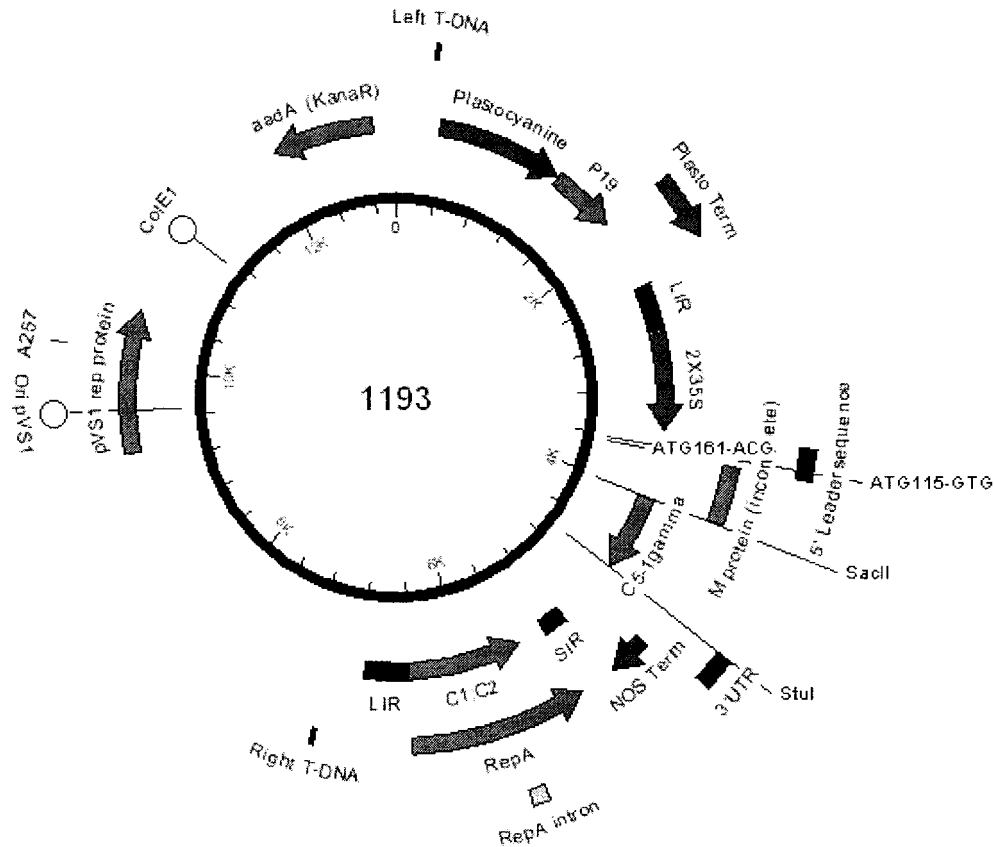
Schematic representation of construct number 1066



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)

TGGCAGGATATATTGTGGTGTAACAAATTGACGCTTAGACAACCTTAATAACACATTGCGGACGTTTTTA
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 AGTTTAAGTTAGCAAGTGTGTACATTTTACTTGAACAAAAATATTCACCTACTACTGTTATAAATCATT
 TTAACATTAGAGTAAAGAAATATGGATGATAAGAACAAGAGTAGTGATATTTTGACAACAATTTTGTG
 CAACATTGAGAAAAATTTGTGTCTCTCTTTTCATTGGTCAAAAACAATAGAGAGAGAAAAAGGAAGA
 GGGAGAATAAAAAACATAATGTGAGTATGAGAGAGAAAGTTGTACAAAAGTTGTACCAAATAGTTGTAC
 AAATATCATTGAGGAATTTGACAAAAGCTACACAAATAAGGGTTAATTGCTGTAAATAAATAAGGATGA
 CGCATTAGAGAGATGTACCATTAGAGAATTTTGGCAAGTCATTAAAAAGAAAAGATAAATTATTTTAA
 AATTTAAAGTTGAGTCATTTGATTAAACATGTGATTATTTAATGAATTGATGAAAAGAGTTGGATTAAAGT

TGTATTAGTAATTAGAATTTGGTGTCAAATTTAATTTGACATTTGATCTTTTCCTATATATTGCCCCATAGA
GTCAGTTAACTCATTTTTATATTTTCATAGATCAAATAAGAGAAATAACGGTATATTAATCCCTCCAAAAA
AAAAAACGGTATATTTACTAAAAAATCTAAGCCACGTAGGAGGATAACAGGATCCCCGTAGGAGGATA
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TCTACATTATCTAAATCACACATTCTTCCACACATCTGAGCCACACAAAAACCAATCCACATCTTTATCAC
CCATTCTATAAAAAATCACACTTTGTGAGTCTACACTTTGATTCCCTTCAAACACATACAAAGAGAAGAG
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TCCGAGTTGGACTGAGTGGCGGCTACATAACGATGAGACGAATTCGAATCAAGATAATCCCTTGGTTTC
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CTGCACAGAGTCTTGGATCTTGGACGGGAGATTGGTTAACTATGCAGCATCTCGATTTTTCGGTTTCGA
CCAGATCGGATGTACCTATAGTATTCGGTTTCGAGGAGTTAGTATCACCGTTTCTGGAGGGTCGCGAACT
CTTCAGCATCTCTGTGAGATGGCAATTCGGTCTAAGCAAGAACTGCTACAGCTTGCCCCAATCGAAGTGG
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CAATAGATTAATAATGGAAATATCAGTTATCGAAATTCATTAACAATCAACTTAACGTTATTAACACTA
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 GGAGCGTATATTGTATCAGGTATTTCCGTCGGATACGAATTATTCGTACGGCCGGCCACTAGTGGCACTG
 GCCGTCGTTTACAACGTCGTGACTGGGAAAACCTGGCGTTACCAACTTAATCGCCTTGCAGCACATC
 CCCCTTTCGCCAGCTGGCGTAATAGCGAAGAGGCCCGCACCGATCGCCCTTCCCAACAGTTGCGCAGCCT
 GAATGGCGAATGCTAGAGCAGCTTGAGCTTGGATCAGATTGTGCTTCCCGCCTTCAGTTTAAACTATCA
 GTGTTTGACAGGATATATTGGCGGGTAAACCTAAGAGAAAAGAGCGTTA

Figure 5C, SEQ ID NO: 8

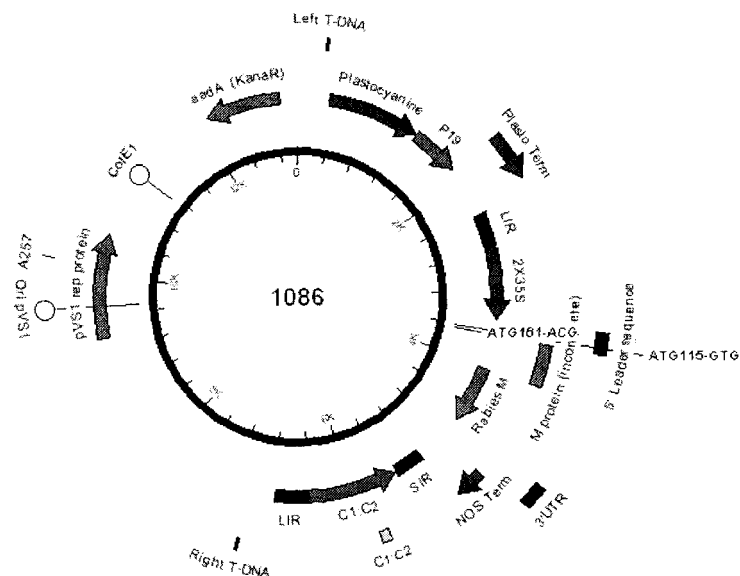
Expression cassette number 1086 from BeYDV left LIR to BeYDV right LIR. Open reading frame of PDISP/G protein from Rabies virus ERA strain is underlined.

CTAGCAGAAGGCATGTTGTTGTGACTCCGAGGGGTTGCCTCAAACCTCTATCTTATAACCGGCGTGGAGGC
 ATGGAGGCAAGGGCATTTTGGTAATTTAAGTAGTTAGTGGAATGACGTCATTTACTTAAAGACGAAGT
 CTTGCGACAAGGGGGGCCACGCCGAATTTAATATTACCGGCGTGGCCCCACCTTATCGCGAGTGCTTT
 AGCACGAGCGGTCCAGATTTAAAGTAGAAAAGTTCCCGCCCACTAGGGTTAAAGGTGTTACACTATAA
 AAGCATATACGATGTGATGGTATTTGATAAAGCGTATATTGTATCAGGTATTTCCGTCGGATACGAATTA
 TTCGTACAAGCTTCTTAAGCCGGTCAACATGGTGGAGCACGACACACTTGTCTACTCCAAAAATATCAAA
 GATACAGTCTCAGAAGACCAAAGGGCAATTGAGACTTTTCAACAAAGGGTAATATCCGGAAACCTCTC
 GGATTCCATTGCCAGCTATCTGTCACTTTATTGTGAAGATAGTGGAAGGAAGGTGGCTCCTACAAAT
 GCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCGACAGTGGTCCCAAGATGGAC
 CCCACCCACGAGGAGCATCGTGGAAGAAAGACGTTCCAACCACGTCTTCAAAGCAAGTGGATTGAT
 GTGATAACATGGTGGAGCACGACACACTTGTCTACTCCAAAAATATCAAAGATACAGTCTCAGAAGACC
 AAAGGGCAATTGAGACTTTTCAACAAAGGGTAATATCCGGAAACCTCTCGGATTCCATTGCCAGCTAT

CTGTCACCTTATTGTGAAGATAGTGGAAAAGGAAGGTGGCTCCTACAAATGCCATCATTGCGATAAAGGA
AAGGCCATCGTTGAAGATGCCTCTGCCGACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATC
GTGGAAAAAGAAGACGTTCCAACCACGCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAA
GGGATGACGCACAATCCCACTATCCTTCGCAAGACCCTTCCTCTATATAAGGAAGTTCATTTCAATTTGGAG
AGGTATTAATCTTAATAGGTTTTGATAAAAGCGAACGTGGGGAAACCCGAACCAAACCTTCTTCTAAA
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TCGTGCTTCGGCACCAGTACAACGTTTTCTTCACTGAAGCGAAATCAAAGATCTCTTTGTGGACACGTAG
TGCGGCGCCATTAAATAACGTGTACTTGTCTTCTTGTCTGGTGTGGTCTTGGGAAAAGAAAGCTTGCTG
GAGGCTGCTGTTACGCCCCATACATTACTTGTACGATTCTGCTGACTTTCGGCGGGTGCAATATCTCTAC
TTCTGCTTGACGAGGTATTGTGCTGTACTTCTTCTCTTCTTCTGCTGATTGGTTCTATAAGAAATCT
AGTATTTTCTTTGAAACAGAGTTTCCCGTGGTTTTCTGAACCTTGGAGAAAAGATTGTTAAGCTTCTGTATAT
TCTGCCCAAATTTGTGCGGGCCATGAACCTTCTACGTAAGATAGTGAAAAATTGCAGGGACGAGGACACT
CAAAAACCCCTCTCCCGTGTGACGCCCTCTGGATGACGATGACTTGTGGCTTCCACCCCTGAATACGTCCC
GCTGAAAGAACTTACAAGCAAGAAGAACATGAGGAACCTTTGTATCAACGGAGGGGTAAAGTGTGTAG
CCCGAATGGTTACTCGTTCAGGATCTGCGGCACATTCTGAAATCATTGACGAGATATATTCTGGGAAT
CATAGGATGATCGGGTAGTCAAAGTAGTTATTGGACTGGCTTGTGAGGATCTCCAGTCCCTGAGGGCA
TGAACTGGGTATACAAATTGAGGAGAACCTTTATCTCCAGTGGGCTGATTCCAGGGGCCCTCTTGAAG
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AGTGATTGCAAAACAGTGTGCATATCCAGGGCAGAAATCTGGTGTATCAACATGAACCCGAGAGCATGTCA
ACTATGGTCTGACATGTCTCTTCAGACACAAAGGTCGAGAGGACAAAGATTCTCTCTGCTTCTAGAA
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GCAAGGACACAAAAAGATTTTAAATTTATTAATAAAAAAAAAAAAAAAAAAGACCGGAATTCGATATCAAG
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AAACACAATCCAAAACAAACACCCCAACAAATAAACAATATATATCTTCGTATGAGGAGAGGCACG
TTCAGTGACTCGACGATTCCCGAGCAAAAAAAGTCTCCCGTCACACATATAGTGGGTGACGCAATTATC
TTCAAAGTAATCCTTCTGTTGACTTGTGATTGATAACATCCAGTCTTCGTCAGGATTGCAAAGAATTATAG
AAGGGATCCCACCTTTATTTCTTCTTTTCCATATTTAGGGTTGACAGTGAATCAGACTGGCAACCT
ATTAATTGCTTCCACAATGGGACGAACCTGAAGGGGATGTCGTCGATGATATTATAGGTGGCGTGTTCAT
CGTAGTTGGTGAAGTCGATGGTCCCGTCCAGTAGTTGTGTGCGCCGAGACTTCTAGCCAGGTGGTCTTT
CCGGTACGAGTTGGTCCGCGAGTGTAGAGGCTGGGGTGTCTGACCCAGTCTTCCCTCATCTGTTAG
ATCGGCCATCCACTCAAGGTCAGATTGTGCTTGATCGTAGGAGACAGGATGTATGAAAGTGTAGGCATCG
ATGCTTACATGATATAGGTGCGTCTCTCTCCAGTTGTGCAGATCTTCGTGGCAGCGGAGATCTGATTCTGT
GAAGGGCGACACGTACTGCTCAGGTTGTGGAGGAAATAATTTGTTGGCTGAATATTCCAGCCATTGAAGC
TTTGTGCCCCATTATGAGGGAATTTCTTTTGATCATGTCAAGATACTCCTCCTTAGACGTTGAGTCTG
GATAATAGTTCCGATCGTGCCTCAGATTTGCGAGGAGAGACCTTATGATCTCGGAAATCTCCTCTGGTTT
TAATATCTCCGTCCTTTGATATGTAATCAAGGACTTGTTTAGAGTTTCTAGCTGGCTGGATATTAGGGTGA
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TCTCCAGAGAACTGGAATAAATCATCTCTTTGAGATGAGCACTTGGGGTAGGTAAGGAAAACATATTT
AGATTGGAGTCTGAAGTTCTTGCTAGCAGAAGGCATGTTGTTGTGACTCCGAGGGGTTGCCTCAAACTCT
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GTCATTTACTTAAAGACGAAGTCTTGGCACAAGGGGGGCCACGCCGAATTTAATATTACCGGCGTGGC
CCCACCTTATCGCGAGTGCTTTAGCACGAGCGGTCCAGATTTAAAGTAGAAAAGTTCCCGCCCACTAGGG
TTAAAGGTGTTCACTATAAAAGCATATACGATGTGATGGTATTTGATGGAGCGTATATTGTATCAGGT
ATTTCCGTCGGATACGAATTATTCGTAC

Figure 5D

Schematic representation of construct number 1086

C-2X35S/CPMV-HT/PDISP/Rabies G/NOS (Construct number 484)**Figure 6A**, SEQ ID NO: 9

IF-RabG-S2+4.c

TCTCAGATCTTCGCCAAATTCCTATTTACACGATACCAGAC

Figure 6B, SEQ ID NO: 10

IF-RabG-S1-4.r

ACTAAAGAAAATAGGCCTTCACAGTCTGGTCTCACCCCCACTCTTGTG

Figure 6C, SEQ ID NO: 11

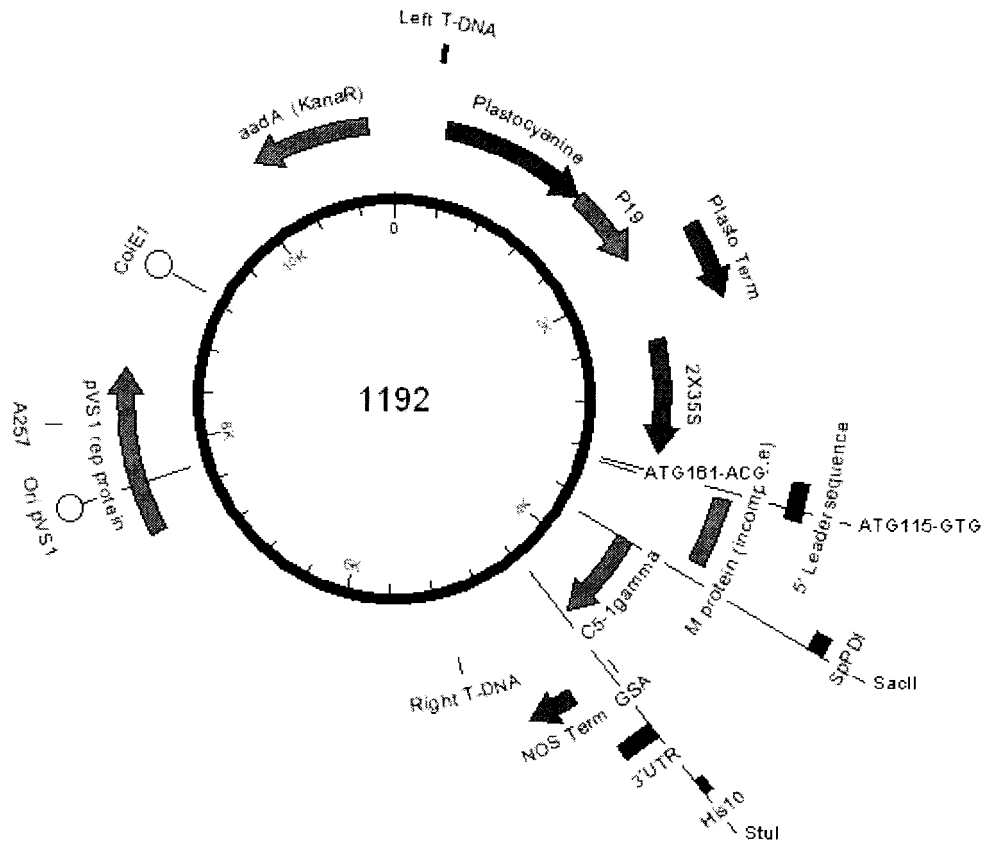
Synthesized Rabies G protein coding sequence (corresponding to nt 3317-4891 from Genbank accession number EF206707)

ATGGTTCCTCAGGCTCTCCTGTTTGTACCCCTTCTGGTFTTTCCATTGTGTTTGGGAAATTCCTATTTAC
ACGATACCAGACAAGCTTGGTCCCTGGAGCCCGATTGACATACATCACCTCAGCTGCCCAAACAATTTGG

TAGTGGAGGACGAAGGATGCACCAACCTGTCAGGGTTCTCCTACATGGAACCTAAAGTTGGATACATCTT
AGCCATAAAAAATGAACGGGTTCACTTGCACAGGCGTTGTGACGGAGGCTGAAACCTACACTAACTTCGTT
GGTTATGTCACAACCACGTTCAAAAAGAAAGCATTTCGCCCCAACACCAGATGCATGTAGAGCCGCGTAC
AACTGGAAGATGGCCGGTGACCCAGATATGAAGAGTCTCTACACAATCCGTACCCTGACTACCGCTGGC
TTCGAACTGTAAAAACCACCAAGGAGTCTCTCGTTATCATATCTCCAAGTGTGGCAGATTTGGACCCATA
TGACAGATCCCTTCACTCGAGGGTCTTCCCTAGCGGGAAGTGCTCAGGAGTAGCGGTGTCTTCTACCTAC
TGCTCCACTAACCACGATTACACCATTTGGATGCCCCGAGAATCCGAGACTAGGGATGTCTTGTGACATTT
TTACCAATAGTAGAGGGAAGAGAGCATCCAAAGGGAGTGAGACTTGCGGCTTTGTAGATGAAAGAGGCC
TATATAAGTCTTTAAAGGAGCATGCAAACTCAAGTTATGTGGAGTTCTAGGACTTAGACTTATGGATGG
AACATGGGTCGCGATGCAAACATCAAATGAAACCAAATGGTGCCCTCCCGATCAGTTGGTGAACTGCA
CGACTTTCGCTCAGACGAAATTGAGCACCTTGTGTAGAGGAGTTGGTCAGGAAGAGAGAGGAGTGTCT
GGATGCACTAGAGTCCATCATGACAACCAAGTCAGTGAGTTTCAGACGTCTCAGTCATTTAAGAAAACCT
GTCCCTGGGTTTGGAAAAGCATATACCATATTCAACAAGACCTTGATGGAAGCCGATGCTCACTACAAGT
CAGTCAGAACTTGGAATGAGATCCTCCCTTCAAAAGGGTGTTAAGAGTTGGGGGGAGGTGTCTCCTCA
TGTGAACGGGGTGTTTTTCAATGGTATAATATTAGGACCTGACGGCAATGTCTTAATCCCAGAGATGCAA
TCATCCCTCCTCCAGCAACATATGGAGTTGTTGGAATCCTCGGTTATCCCCCTTGTGCACCCCCCTGGCAGA
CCCGTCTACCGTTTTCAAGGACGGTGACGAGGCTGAGGATTTTGTGAAGTTCACCTTCCCGATGTGCAC
AATCAGGTCTCAGGAGTTGACTTGGGTCTCCCGAACTGGGGGAAGTATGTATTACTGAGTGCAGGGGCC
TGACTGCCTTGATGTTGATAATTTCTCTGATGACATGTTGTAGAAGAGTCAATCGATCAGAACCTACGCA
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
ATGTACTGAATTAACGCCGAATCCCGGGCTGGTATATTTATATGTTGTCAAATAACTCAAAAACCATAAA
AGTTTAAGTTAGCAAGTGTGTACATTTTACTTGAACAAAAATATTCACCTACTACTGTTATAAATCATT
TTAAACATTAGAGTAAAGAAATATGGATGATAAGAACAAGAGTAGTGATATTTTGACAACAATTTTGTG
CAACATTTGAGAAAAATTTGTGTCTCTCTTTTCATTGGTCAAAAACAATAGAGAGAGAAAAAGGAAGA
GGGAGAATAAAAAACATAATGTGAGTATGAGAGAGAAAAGTTGTACAAAAGTTGTACCAAAATAGTTGTAC
AAATATCATTGAGGAATTTGACAAAAGCTACACAAATAAGGGTTAATTGCTGTAAATAAATAAGGATGA
CGCATTAGAGAGATGTACCATTAGAGAATTTTGGCAAGTCATTAAAAAGAAAGAATAAATTATTTTAA
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TGTATTAGTAATTAGAATTTGGTGTCAAATTTAATTGACATTTGATCTTTTCCTATATATTGCCCCATAGA
GTCAGTTAACTCATTTTATATTTTCATAGATCAAATAAGAGAAATAACGGTATATTAATCCCTCCAAAAA

AAAAAACGGTATAITTTACTAAAAAATCTAAGCCACGTAGGAGGATAACAGGATCCCCGTAGGAGGATA
ACATCCAATCCAACCAATCACACAATCCTGATGAGATAACCCACTTTAAGCCCACGCATCTGTGGCACA
TCTACATTATCTAAATCACACATTCTTCCACACATCTGAGCCACACAAAAACCAATCCACATCTTTATCAC
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AAGCTAACAGTGAACGTTGGGATGGAGGATCAGGAGGTACCCTTCTCCCTTCAAACCTCCTGACGAAAG
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CTGCACAGAGTCTTGGATCTTGGACGGGAGATTTCGGTTAACTATGCAGCATCTCGATTTTTCGGTTTCGA
CCAGATCGGATGTACCTATAGTATTCGGTTTCGAGGAGTTAGTATCACCGTTTCTGGAGGGTCGCGAACT
CTTCAGCATCTCTGTGAGATGGCAATTCGGTCTAAGCAAGAACTGCTACAGCTTGCCCCAATCGAAGTGG
AAAGTAATGTATCAAGAGGATGCCCTGAAGGTAAGTCTCAAACCTTCGAAAAAGAAAGCGAGTAAGTTAAAA
TGCTTCTCGTCTCCTATTTATAATATGGTTTGTATTGTGTAATTTTGTCTTGTAGAAGAGCTTAATTAAT
CGTTGTTGTTATGAAATACTATTTGTATGAGATGAAGTGGTGAATGTAATTCATTTACATAAGTGGAGTC
AGAAATCAGAATGTTTCCCTCCATAACTAACTAGACATGAAGACCTGCCGCGTACAATTGTCTTATATTTGA
ACAATAAAAAATTGAACATCTTTTGCACAACTTTATAAGTGGTTAATATAGCTCAAATATATGGTCAAGTT
CAATAGATTAATAATGGAAATATCAGTTATCGAAATTCATTAACAATCAACTTAACGTTATTAATACTACTA
ATTTTATATCATCCCCCTTTGATAAATGATAGTACACCAATTAGGAAGGAGCATGCTCGCCTAGGAGATTG
TCGTTTCCCGCCTTCAGTTTGAAGCTGCTCTAGCCGTGTAGCCAATACGCAAACCGCCTCTCCCCGCGCG
TTGGGAATTACTAGCGCGTGTGACAAAGCTTGCATGCCGGTCAACATGGTGGAGCACGACACACTTGTCT
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TATCCGGAAACCTCCTCGGATTCCATTGCCAGTATCTGTCACTTTATTGTGAAGATAGTGGAAAAAGGA
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GGTCCCAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTCCAACCCACGCTTCA
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TTCCATTGCCAGCTATCTGTCACTTTATTGTGAAGATAGTGGAAAAAGGAAGGTGGCTCCTACAAATGCC
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AAGTTCATTTCATTGTGAGAGGTAATTAATCTTAAATAGGTTTGTATAAAGCGAACGTGGGGAAACCCG
AACCAAACTTCTTCTAACTCTCTCTCATCTCTTAAAGCAAACCTCTCTCTTGTCTTCTTGTGCGTGAGC
GATCTTCAACGTTGTGAGATCGTGCTTCGGCACCAAGTACAACGTTTCTTCTACTGAAGCGAAATCAAAG
ATCTCTTTGTGGACACGTAAGTGGCGGCCATTAAATAACGTGTACTTGTCTATTCTGTGCGGTGTGGTCT
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GGGCTAATTCCTGAGCCAGTGACAGTGACCTGGAACCTGGAACCTCTGGATCCCTGTCCAGCGGTGTCACACCTT
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TATTAATAAAAAAAAAAAAAAAAAAGACCGGGAATTTCGATATCAAGCTTATCGACCTGCAGATCGTTCAAAC
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GAATTACGTTAAGCATGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTATGATTA
GAGTCCCGCAATTATACATTTAATACGCGATAGAAAACAAAATATAGCGCGCAAACCTAGGATAAATTAAT

CGCGCGCGGTGTCATCTATGTTACTAGATCTCTAGAGTCTCAAGCTTGGCGCGCCACGTGACTAGTGGC
 ACTGGCCGTCGTTTTACAACGTCGTGACTGGGAAAACCTGGCGTTACCCAACCTTAATCGCCTTGCAGCA
 CATCCCCCTTCGCCAGCTGGCGTAATAGCGAAGAGGCCCGCACCGATCGCCCTTCCCAACAGTTGCGCA
 GCCTGAATGGCGAATGCTAGAGCAGCTTGAGCTGGATCAGATTGTCGTTTCCCGCCTTCAGTTAAACT
 ATCAGTGTTTGACAGGATATATTGGCGGGTAAACCTAAGAGAAAAAGAGCGTTTA

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.

GTCAACATGGTGGAGCACGACACACTTGTCTACTCCAAAAATATCAAAGATACAGTCTCAGAAGACCAA
 AGGGCAATTGAGACTTTTCAACAAAGGTAATATCCGGAAACCTCCTCGGATTCCATTGCCAGCTATCT
 GTCACCTTATTGTGAAGATAGTGGAAAAGGAAGGTGGCTCCTACAAATGCCATCATTGCGATAAAGGAA
 AGGCCATCGTTGAAGATGCCTCTGCCGACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCG
 TGGAAAAAGAAGACGTTCCAACCACGTCTTCAAAGCAAGTGGATTGATGTGATAACATGGTGGAGCACG
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 ACAAAGGGTAATATCCGGAAACCTCCTCGGATTCCATTGCCAGCTATCTGTCACTTATTGTGAAGATA
 GTGGAAAAGGAAGGTGGCTCCTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCC
 TCTGCCGACAGTGGTCCCAAAGATGGACCCCCACCCACGAGGAGCATCGTGGAAAAAGAAGACGTTCCA
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 ATCCTTCGCAAGACCTTCTCTATATAAGGAAGTTCATTTCAATTTGGAGAGGTATTAATACTTAATAGG
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 ACGTTTTCTTCACTGAAGCGAAATCAAAGATCTTGTGGACACGTAAGTGGCGCCATTAAATAACG
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 GTTTTCCCGTGGTTTTCGAACCTGGAGAAAGATTGTTAAGCTTCTGTATATCTGCCCAAATTTGTCGGGC
 CCATGGCGAAAAACGTTGCGATTTCGGCTTATTGTTTCTTCTTGTGTTGGTTCCTTCTCAGATCTTCG
CCAAATTCCTATTACACGATACCAGACAAGCTTGGTCCCTGGAGCCCGATTGACATACATCACCTCAG
CTGCCCAAACAATTTGGTAGTGGAGGACGAAGGATGCACCAACCTGTCAGGGTTCTCTACATGGAACCT
AAAGTTGGATACATCTTAGCCATAAAAAATGAACGGGTTCACTTGCACAGGCGTTGTGACGGAGGCTGAA
ACCTACACTAACTTCGTTGGTTATGTACACAACACGTTCAAAAAGAAAGCATTTCGCCCAACACCAGATG
CATGTAGAGCCGCTACAACCTGGAAGATGGCCGGTGACCCAGATATGAAGAGTCTCTACACAATCCGT
ACCCTGACTACCGCTGGCTTCGAACCTGTAACCAACCAAGGAGTCTCTCGTTATCATATCTCCAAGTGT
GGCAGATTGGACCCATATGACAGATCCCTTCACTCGAGGGTCTTCCCTAGCGGGAAGTGCTCAGGAGTA
GCGGTGTCTTCTACCTACTGCTCCACTAACCACGATTACACCATTTGGATGCCCGAGAATCCGAGACTAG
GGATGTCTTGTGACATTTTACCAATAGTAGAGGGAAGAGAGCATCCAAAGGGAGTGAGACTTGCGGCTT
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AGTTGGTGAACCTGCACGACTTTCGCTCAGACGAAATTGAGCACCTTGTGTAGAGGAGTTGGTCAGGAA
GAGAGAGGAGTGTCTGGATGCACCTAGAGTCCATCATGACAACCAAGTCAGTGAGTTTACAGAGTCTCAGT
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TAATTTTATTAATAAAAAAAAAAAAAAAAAAGACCGGGAATTCGATATCAAGCTTATCGACCTGCAGATCGTT
CAAAACATTTGGCAATAAAGTTTCTTAAGATTGAATCCTGTTGCCGGTCTTGCGATGATTATCATATAATTT
CTGTTGAATTACGTTAAGCATGTAATAATTAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTAT
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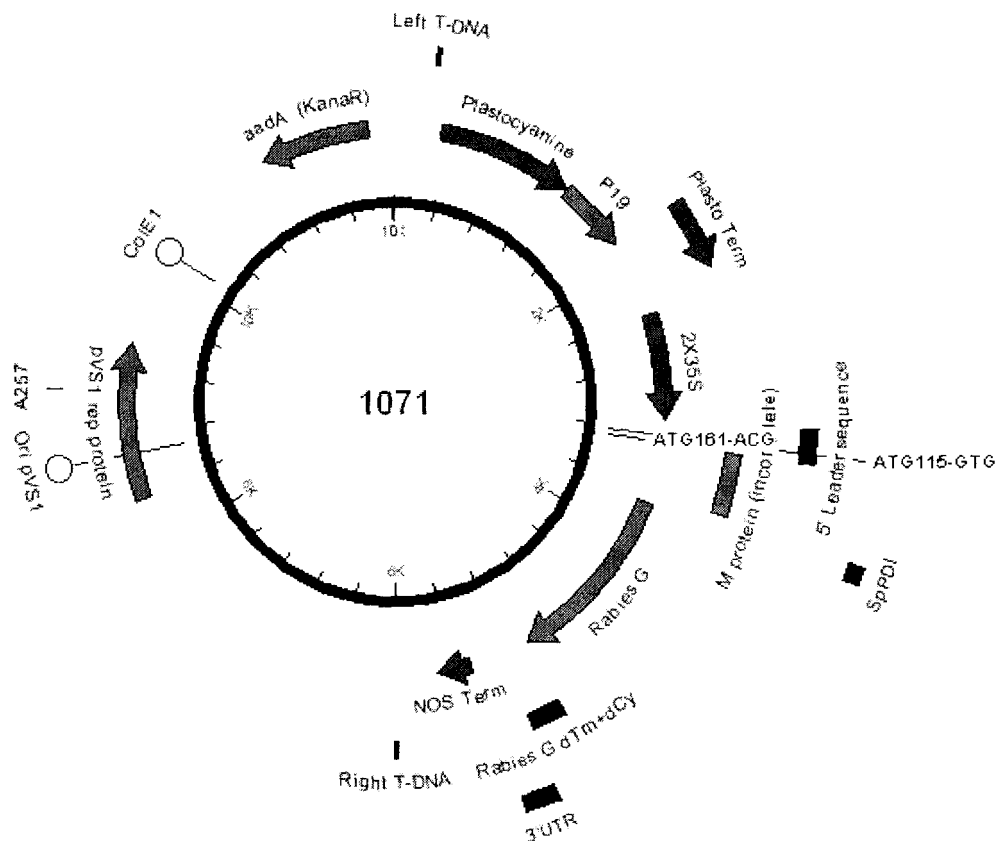
Figure 6G, SEQ ID NO: 14

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

MAKNVAIFGLLFSLVLVPSQIFAKFPIYTIPDKLGPWSPIDIHHLSCPNNLVVEDEGCTNL
SGFSYMELKVGYYLAIKMNGFTCTGVVTEAETYTNFVGYYTTTFKRKHFRPTPDACRAA
YNWK MAGDP RYEE SLHNPY PDYRWLR TVKTTKESLVIISPSVADLDPYDRSLHSRVFSP
GKCSGVAVSSTYCTNHDYTIWMPENPRLGMSCDIFTNSRGKRASKGSETCGFVDERGL
YKSLKGACKLKL CGVLGLRLMDGTWVAMQTSNETKWCPPDQLVNLHDFRSDEIEHLV
VEELVRKREECLDALESIMTTKSVSFRRLSHLRKLVPGFGKAYTIFNKTLM EADAHYKSV
RTWNEILPSKGCLRVGGRCHPHVNGVFFNGIILGPDGNVLIPEMQSSLLQQHMELLE SSVI
PLVHPLADPSTVFKDGDEAEDFVEVHL PDVHNQVSGVDLGLPNWGKYVLLSAGALTAL
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.

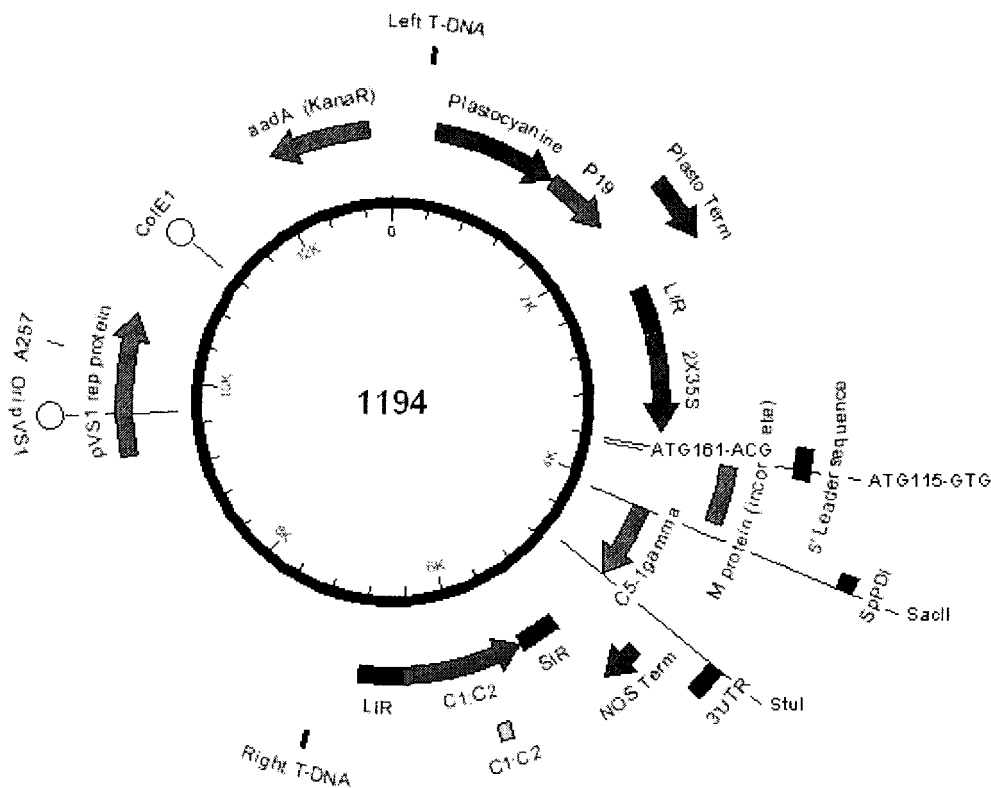


Figure 7B, SEQ ID NO: 15

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)

TGGCAGGATATATTGTGGTGTAAACAAATTGACGCTTAGACAACCTTAATAACACATTGCGGACGTTTTTA
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AGTTTAAAGTTAGCAAGTGTGTACATTTTTACTTGAACAAAAATATTCACCTACTACTGTTATAAATCATT
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CAACATTTGAGAAAATTTTGTGTTCTCTCTTTTCATTGGTCAAAAACAATAGAGAGAGAGAAAAGGAAGA
GGGAGAATAAAAACATAATGTGAGTATGAGAGAGAAAAGTTGTACAAAAGTTGTACCAAAATAGTTGTAC
AAATATCATTGAGGAATTTGACAAAAGCTACACAAAATAAGGGTTAATTGCTGTAAATAAATAAGGATGA
CGCATTAGAGAGATGTACCATTAGAGAATTTTTGGCAAGTCATTAAAAAGAAAAGAATAAATTATTTTAA
AATTAAGGTTGAGTCATTTGATTAAACATGTGATTATTTAATGAATTGATGAAAGAGTTGGATTAAAGT
TGTATTAGTAATTAGAATTTGGTGTCAAATTTAATTTGACATTTGATCTTTTCCTATATATTGCCCCATAGA
GTCAGTTAACTCATTTTATATTTTCATAGATCAAATAAGAGAAAATAACGGTATATTAATCCCTCCAAAAA
AAAAAACGGTATATTTACTAAAAAATCTAAGCCACGTAGGAGGATAACAGGATCCCCGTAGGAGGATA
ACATCCAATCCAACCAATCACACAATCTGATGAGATAACCCACTTTAAGCCCACGCATCTGTGGCACA
TCTACATTATCTAAATCACACATTCTCCACACATCTGAGCCACACAAAAACCAATCCACATCTTTATCAC
CCATTCTATAAAAAATCACACTTTGTGAGTCTACACTTTGATTCCCTTCAAACACATACAAAGAGAAGAG
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AAGCTAACAGTGAACGTTGGGATGGAGGATCAGGAGGTACCACTTCTCCCTTCAAACCTCCTGACGAAAG
TCCGAGTTGGACTGAGTGGCGGCTACATAACGATGAGACGAATTCGAATCAAGATAATCCCTTGGTTTC

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CCAGATCGGATGTACCTATAGTATTCGGTTTCGAGGAGTTAGTATCACCGTTTCTGGAGGGTCGCGAACT
CTTCAGCATCTCTGTGAGATGGCAATTCGGTCTAAGCAAGAACTGCTACAGCTTGCCCCAATCGAAGTGG
AAAGTAATGTATCAAGAGGATGCCCTGAAGGTACTCAAACCTTCGAAAAAGAAAGCGAGTAAGTTAAAA
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CGTTGTTGTATGAAATACTATTTGTATGAGATGAACTGGTGAATGTAATTCATTTACATAAGTGGAGTC
AGAATCAGAATGTTTCTCCATACTAACTAGACATGAAGACCTGCCGCGTACAATTGTCTTATATTTGA
ACAATAAAATGAACATCTTTTGCCACAACCTTTATAAGTGGTTAATATAGCTCAAAATATATGGTCAAGTT
CAATAGATTAATAATGGAAATATCAGTTATCGAAATTCATTAACAATCAACTTAACGTTATTAACACTA
ATTTTATATCATCCCCTTTGATAAATGATAGTACACCAATTAGGAAGGAGCATGCTCGCTAGGAGATTG
TCGTTTCCCGCCTTCAGTTTGCAAGCTGCTCTAGCCGTGTAGCCAATACGCAAACCGCCTCTCCCCGCGCG
TTGGGAATTACTAGCGCGTGTGACACGCGTGGCGCGCCCTAGCAGAAAGGCATGTTGTTGTGACTCCGAG
GGGTTGCCCTCAAACCTCTATCTTATAACCGCGTGGAGGCGATGGAGGCAAGGGCAATTTGGTAATTTAAGT
AGTTAGTGGAAAAATGACGTCATTTACTTAAAGACGAAGTCTTGCGACAAGGGGGGCCACGCCGAATTTT
AATATTACCGCGTGGCCCCACCTTATCGCGAGTGCTTTAGCACGAGCGGTCCAGATTTAAAGTAGAAAA
GTTCCCGCCCACTAGGGTTAAAGGTGTTCACTATATAAAGCATATACGATGTGATGGTATTTGATAAAG
CGTATATTGTATCAGGTATTTCCGTGCGATACGAATTATTCGTACAAGCTTCTTAAGCCGGTCAACATGGT
GGAGCACGACACACTTGTCTACTCCAAAAATATCAAAGATACAGTCTCAGAAGACCAAAGGGCAATTGA
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AAGATGCCTCTGCCGACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAAAG
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CTCCAAAAATATCAAAGATACAGTCTCAGAAGACCAAAGGGCAATTGAGACTTTTCAACAAAGGGTAAT
ATCCGGAAACCTCCTCGGATTCCATTGCCAGCTATCTGTCACTTTATTGTGAAGATAGTGGAAAAGGAA
GGTGGCTCTTACAAATGCCATCATTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCGACAGTG
GTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTGGAAAAAGAACGTTCCAACACGCTTTCAA
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CCCTCTCTATATAAGGAAGTTCATTTTCAATTTGGAGAGGTATTAATACTTAATAGGTTTTGATAAAGC
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TGTCTTTCTTGCGTGAGCGATCTTCAACGTTGTCAGATCGTGCTTCGGCACCAGTACAACGTTTCTTTCA
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AGCCAAAACGACACCCCATCTGTCTATCCACTGGCCCCCTGGATCTGCTGCCCAAATAACTCCATGGTG
ACCCTGGGATGCCTGGTCAAGGGCTATTTCCCTGAGCCAGTGACAGTGACCTGGAACCTCGGATCCCTGT
CCAGCGGTGTGCACACCTTCCAGCTGTCTGACGTCTGACCTCTACACTCTGAGCAGCTCAGTGACTGTG
CCCTCCAGCACCTGGCCAGCGAGACCGTCACTGAACGTTGCCACCCGGCCAGCAGCAACCAAGGTG
GACAAGAAAATTGTGCCAGGGATTGTGGTTGTAGACCTTGCCATATGTACAGTCCCAGAAGTATCATCTG
TCTTCATCTTCCCCCAAGCCCAAGGATGTGCTCACCATTACTCTGACTCCTAAGGTACAGTGTGTGTG
GTAGACATCAGCAAGGATGATCCCGAGGTCCAGTTCAGCTGGTTTGTAGATGATGTGGAGGTGCACACA
GCTCAGACGCAACCCGGGAGGAGCAGTTCAACAGCACTTCCGCTCAGTCAGTGAACCTCCCATCATGC
ACCAGGACTGGCTCAATGGCAAGGAAGGCCTATTTCTTTAGTTTGAATTTACTGTTATTCGGTGTGCATT
TCTATGTTTGGTGAGCGGTTTCTGTGCTCAGAGTGTGTTAATTTATGTAATTTAATTTCTTTGTGAGCTC
CTGTTTAGCAGGTCGTCCCTTCAGCAAGGACACAAAAAGATTTTAATTTTATTAAAAAAAAAAAAAAAAAA
AGACCGGAATTTCGATATCAAGCTTATCGACCTGCAGATCGTTCAAACATTTGGCAATAAAGTTCTTAA
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ACTAGATCTCTAGAGTCTCAAGCTTGGCGCGGGGTACCGAGCTCGAAATCCGAGTGTACTTCAAGTCAGT
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 GTCAGGATTGCAAGAATTATAGAAGGGATCCCACCTTTATTTTCTTCTTTTCCATATTTAGGGTTGA
 CAGTGAAATCAGACTGGCAACCTATTAATTGCTTCCACAATGGGACGAACCTGAAGGGGATGTCGTCGAT
 GATATTATAGGTGGCGTGTTCATCGTAGTTGGTGAAGTCGATGGTCCCGTTCAGTAGTTGTGTGCGCCGA
 GACTTCTAGCCAGGTGGTCTTTCCGGTACGAGTTGGTCCGCAGATGTAGAGGCTGGGGTGTCTGACCCC
 AGTCTTCCCTCATCTGGTTAGATCGGCCATCCACTCAAGGTCAGATTGTGCTTGATCGTAGGAGACAG
 GATGTATGAAAGTGTAGGCATCGATGCTTACATGATATAGGTGCGTCTCTCTCCAGTTGTGCAGATCTTCG
 TGGCAGCGGAGATCTGATTCTGTGAAGGGCGACACGTACTGCTCAGGTTGTGGAGGAAATAATTTGTTGG
 CTGAATATTCCAGCCATTGAAGCTTTGTTGCCCATTCATGAGGGAATTCTTCTTTGATCATGTCAAGATAC
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 GATCTCGGAAATCTCCTCTGGTTTAAATATCTCCGTCTTTGATATGTAATCAAGGACTTGTTTAGAGTTTC
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 GGGTAGGTAAAGAAAAACATATTTAGATTGGAGTCTGAAGTCTTGCTAGCAGAAGGCATGTTGTGTGAC
 TCCGAGGGGTTGCCTCAAACCTATCTTATAACCGGCGTGGAGGCATGGAGGCAAGGGCATTTTGGAAT
 TTAAGTAGTTAGTGGAAAATGACGTCATTTACTTAAAGACGAAGTCTTGCGACAAGGGGGGCCACGCC
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 GATGGAGCGTATATTGTATCAGGTATTTCCGTGCGATACGAATTATTCGTACGGCCGGCCACTAGTGGCA
 CTGGCCGTCGTTTTACAACGTCGTGACTGGGAAAACCTGGCGTTACCCAACCTAATCGCCTTGCAGCAC
 ATCCCCCTTTCGCCAGCTGGCGTAATAGCGAAGAGGCCCGCACCGATCGCCCTCCCAACAGTTGCGCAG
 CCTGAATGGCGAATGCTAGAGCAGCTTGAGCTTGGATCAGATTGTCGTTTCCCGCCTTCAGTTAAACTAT
 CAGTGTTTGACAGGATATATTGGCGGGTAAACCTAAGAGAAAAAGAGCGTTTA

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.

CTAGCAGAAGGCATGTTGTTGTGACTCCGAGGGGTTGCCTCAAACCTCTATCTTATAACCGGCGTGGAGGC
 ATGGAGGCAAGGGCATTTTGGTAATTTAAGTAGTTAGTGGAAAATGACGTCATTTACTTAAAGACGAAGT
 CTTGCGACAAGGGGGGCCACGCCGAATTTAATATTACCGGCGTGGCCCCACCTTATCGCGAGTGCCTT
 AGCACGAGCGGTCCAGATTTAAAGTAGAAAAGTTCCCGCCCACTAGGGTTAAAGGTGTTTCACTATAA
 AAGCATATACGATGTGATGGTATTTGATAAAAGCGTATATTGTATCAGGTATTTCCGTGCGATACGAATTA
 TTCGTACAAGCTTCTTAAGCCGGTCAACATGGTGGAGCACGACACACTTGTCTACTCCAAAAATATCAAA
 GATACAGTCTCAGAAGACCAAAGGGCAATTGAGACTTTTCAACAAAAGGGTAATATCCGGAACCTCCTC
 GGATTCATTGCCAGCTATCTGTCACTTTATTGTGAAGATAGTGGAAAAGGAAGGTGGCTCCTACAAAT
 GCCATCATTTGCGATAAAGGAAAGGCCATCGTTGAAGATGCCTCTGCCGACAGTGGTCCCAAAGATGGAC
 CCCCACCCAGGAGCATCGTGGAAAAGAAGACGTTTCAACCACGTCTTCAAAGCAAGTGGATTGAT
 GTGATAACATGGTGGAGCACGACACACTTGTCTACTCCAAAAATATCAAAGATACAGTCTCAGAAAGACC
 AAAGGGCAATTGAGACTTTTCAACAAAAGGGTAATATCCGGAACCTCCTCGGATTCCATTGCCAGCTAT
 CTGTCACTTTATTGTGAAGATAGTGGAAAAGGAAGGTGGCTCCTACAAATGCCATCATTGCGATAAAGGA
 AAGGCCATCGTTGAAGATGCCTCTGCCGACAGTGGTCCCAAAGATGGACCCCAACCCAGGAGCATC
 GTGGAAAAAGAAGACGTTTCAACCACGTCTTCAAAGCAAGTGGATTGATGTGATATCTCCACTGACGTAA
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TTGACATACATCACCTCAGCTGCCCAAACAATTTGGTAGTGGAGGACGAAGGATGCACCAACCTGTCAGG
GTTCTCCTACATGGAACTTAAAGTTGGATACATCTTAGCCATAAAAAATGAACGGGTTCACTTGCACAGGC
GTTGTGACGGAGGCTGAAACCTACACTAACTTCGTTGGTTATGTCACAACCACGTTCAAAAAGAAAAGCATT
TCCGCCAAACACCAGATGCATGTAGAGCCGCGTACAACCTGGAAGATGGCCGGTGACCCAGATATGAAG
AGTCTCTACACAATCCGTACCCTGACTACCGCTGGCTTCGAACTGTAAAAACCACCAAGGAGTCTCTCGT
TATCATATCTCCAAGTGTGGCAGATTGGACCCATATGACAGATCCCTTCACTCGAGGGTCTTCCCTAGCG
GGAAGTGCTCAGGAGTAGCGGTGTCTTCTACCTACTGCTCCACTAACACGATTACACCATTTGGATGCC
CGAGAATCCGAGACTAGGGATGTCTGTGACATTTTACCAATAGTAGAGGGAAGAGAGCATCCAAAGG
GAGTGAGACTTGC GGCTTTGTAGATGAAAGAGGCCTATATAAGTCTTTAAAAGGAGCATGCAAACCTCAA
GTTATGTGGAGTCTAGGACTTAGACTTATGGATGGAACATGGGTGCGGATGCAAACATCAAATGAAACC
AAATGGTGCCCTCCCGATCAGTTGGTGAACTGACGACTTTCGCTCAGACGAAATTGAGCACCTTGTTG
TAGAGGAGTTGGTCAGGAAGAGAGAGGAGTGTCTGGATGCACTAGAGTCCATCATGACAACCAAGTCAG
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ATGTTGTAGAAAGATCAATCGATCAGAACCACGCAACACAATCTCAGAGGGACAGGGAGGGAGGTGTC
AGTCACTCCCCAAAGCGGGAAGATCATATCTTCATGGGAATCACACAAGAGTGGGGGTGAGACCAGACT
GTGAAGGCCATTTTTCTTTAGTTTGAATTTACTGTTATTCTGGTGTGCATTTCTATGTTTGGTGAGCGGTTTT
CTGTGCTCAGAGTGTGTTTATTTATGTAATTTAATTTCTTTGTGAGCTCCTGTTTAGCAGGTCGTCCCTTC
AGCAAGGACACAAAAAGATTTAATTTTATTAATAAAAAAAAAAAAAAAAAAGACCGGGAATTCGATATCAA
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TGCGATGATTATCATATAATTTCTGTTGAATTACGTTAAGCATGTAATAATTAACATGTAATGCATGACGT
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ATAGCGCGCAAACTAGGATAAATATCGCGCGCGGTGTCTATGTTACTAGATCTCTAGAGTCTCAAG
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GTTCAGTGACTCGACGATTTCCCGAGCAAAAAAGTCTCCCGTCACACATATAGTGGGTGACGCAATTAT
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GAAGGGATCCCACCTTTTATTTCTTCTTTTCCATATTTAGGGTTGACAGTGAAATCAGACTGGCAACC
TATTAATTGCTTCCACAATGGGACGAACTTGAAGGGGATGTGTCGATGATATTATAGGTGGCGTGTTC
TCGTAGTTGGTGAAGTCGATGGTCCCGTCCAGTAGTTGTGTCGCCCAGACTTCTAGCCCAGGTGGTCTT
TCCGGTACGAGTTGGTCCGCGAGATGTAGAGGTGGGTGTGTCGCCCAGTCTTCCCTCATCTGGTTA
GATCGGCCATCCACTCAAGGTGAGATTGTGCTTGATCGTAGGAGACAGGATGTATGAAAGTGTAGGCATC
GATGCTTACATGATATAGGTGCGTCTCTCTCCAGTTGTGCAGATCTTCGTGGCAGCGGAGATCTGATTCTG
TGAAGGGCGACACGTACTGCTCAGGTTGTGGAGGAAFAATTTGTTGGCTGAATATCCAGCCATTGAAG
CTTTGTTGCCCATTCATGAGGGAATTTCTTCTTTGATCATGTCAAGATACTCCTCCTTAGACGTTGCAGTCT
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TTTAATATCTCCGTCTTTGATATGTAATCAAGGACTTGTTTAGAGTTTCTAGCTGGCTGGATATTAGGGT
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GCCCCACCTTATCGCGAGTGCTTTAGCACGAGCGGTCCAGATTTAAAGTAGAAAAGTTCCCGCCCACTAG
 GGTAAAGGTGTTTCACTATAAAAAGCATATACGATGTGATGGTATTTGATGGAGCGTATATTGTATCAG
 GTATTTCCGTCGGATACGAATTATTCGTAC

Figure 7D

Schematic representation of construct number 1091

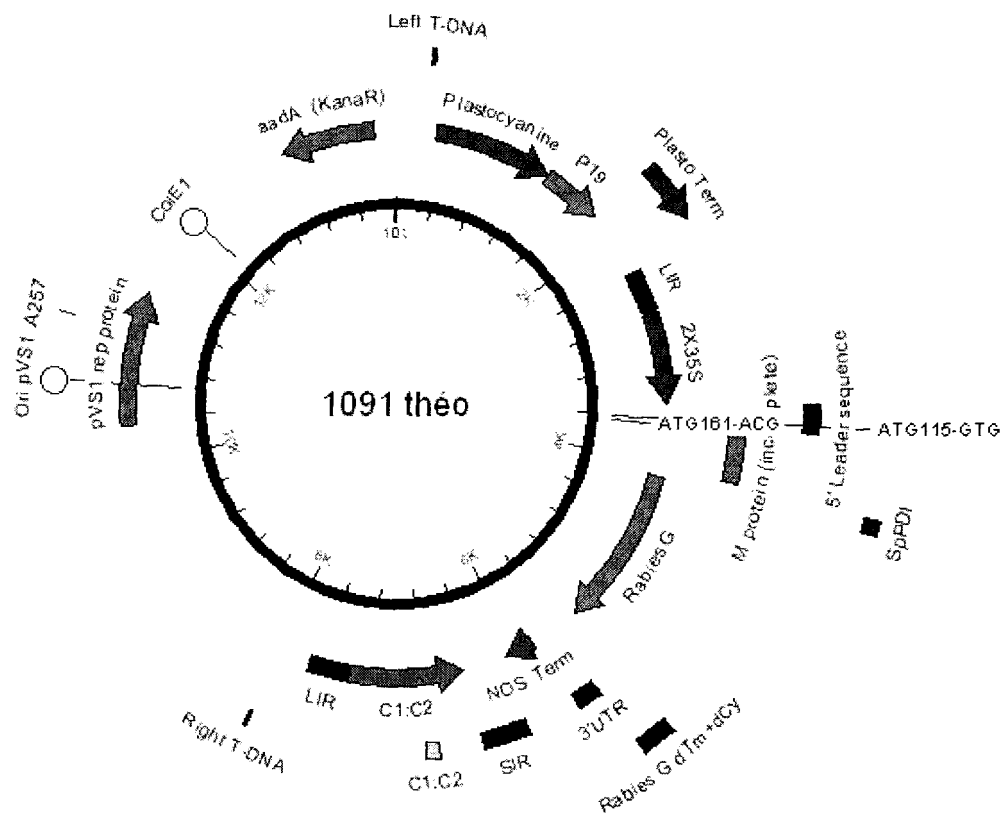


Figure 8A

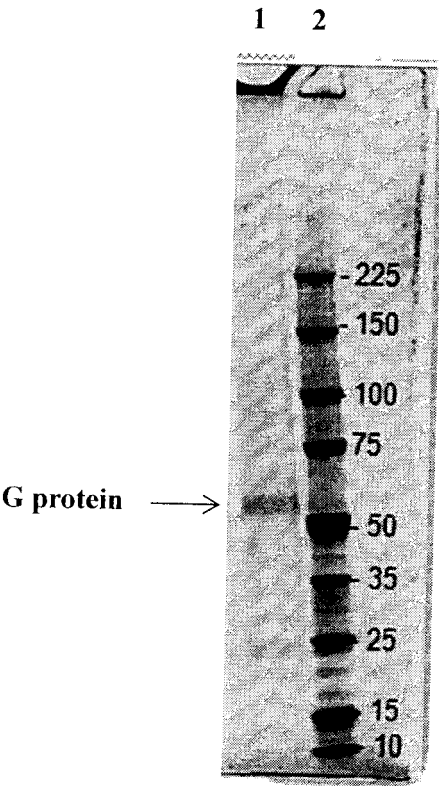


Figure 8B

