

Figure S5

1. Adoxophyes honmai nucleopolyhedrovirus

8334-8534

NC_004690

CCACCACAGCTTGCCTATGTATGAACTTTTTTGTCTTCAAAAAAGGACCTTAAAGTGTAGTGT
ATTTAGAGCATATAGTACAGTGTAGACTTTGTCTATTAACAGTCTACGATTTCGAAATTTTCGTT
CGGGATATGGGTTGGAAAAAATTAGGTTACTTTTTTGTAGTGCAAAAAATGAAAATTGAAAAT
AGATATA

GTAGACTTTGTCTATTAACAGTCTAC-DSc

CTTTTTTGTCTTCAAAAAAG-DSI

TTTTTTGTAGTGCAAAAA-DSr

2. Adoxophyes orana nucleopolyhedrovirus

8141-8340

NC_011423

CACCACAGCTTGCCTATGTATGAACTTTTTTGTCTTCAAAAAAGGACCTTAAAGTGTAGTGTATT
TAGAGCATATAGTACAGTGTAGACTTTGTCTATTAACAGTCTACGATTTGAAATTTTGTCTG
GATATGAGTAAAAAAAATTAGGGTACTTTTTTGCCTGCAAAAAATGAAATTAATAAATTTAT
ATAG

GTAGACTTTGTCTATTAACAGTCTAC-DSc

CTTTTTTGTCTTCAAAAAAG-DSI

TTTTTTGCCTGCAAAAA-DSr

3. Agrotis ipsilon multiple nucleopolyhedrovirus strain Illinois

6127-6326

NC_011345

CGCCTATGCACTTTTGATAGTGAACCTTTTTTGTAGTGCAAAAAATGTACCTTAAAGTGTAGTATATG
GAGAGCATATTGTACAGTGTAGACTATGCTAGTATAATAGTCTACGATTTCGAAATTTTCCACTGT
ATATCGAGGTCATAATTCTAATCAATATTTTTGCCTCCAAAAAGGCGATAGCGGAAACGAGGC
AGAG

GTAGACTATGCTAGTATAATAGTCTAC-DSc

TTTTTGTAGTGCAAAAA-DSI

TTTTTGCCTCCAAAA-DSr

4. *Agrotis segetum* nucleopolyhedrovirus

5898-6098

NC_007921

AGGTCGTCACGGTTAGTCACGCAGCCAT **TTTTTTGCTGTGCAAAAAA**GTGCCTTAAAGTGTAGT
ATATGGAGAGGATATATTACAGT **GTAGACTATGCTAGTATAATAGTCTAC**GATTCGAACTTTT
CCACTGTATATTGGCCTTGAAAAATGATGACT **ATTTTTGCACTGCAAAAAAT**GTTGATAAGCCT
CAGGAGGTGG

GTAGACTATGCTAGTATAATAGTCTAC-DSc

TTTTTTGCTGTGCAAAAAA-DSI

ATTTTTGCACTGCAAAAAAT-DSr

5. *Antheraea pernyi* multiple nucleopolyhedrovirus-L2

6950-7150

NC_008035

TTGCAGTACGTGAGTAAAGTAACGTACTT **TTTTGCACTGCAAAA**TAGTTGGTTTTAGGGTAGTG
TATTGGCAGCGTATAGAACAGT **GTAGACTATTTAGGTAAAATAGTCTAC**GAAACGTAGACTTT
GTACTGTATATGGGGCCGTGCGCAAAAACGTGT **TTTTTTGTACTACAAAAAA**GTTGGCGCAAAT
TTATTAATTA

GTAGACTATTTAGGTAAAATAGTCTAC-DSc

TTTTGCACTGCAAAA -DSI

TTTTTTGTACTACAAAAAA-DSr

6. *Anticarsia gemmatalis* multiple nucleopolyhedrovirus, strain2D

(126100-126300)

NC_008520

TTATAATTTAATA **TGAACTTTATTGCAGTGCAAAAAGTTCA**ATGTGCGGTAGTGTATTGGGA
GCGTATACGACAGT **GTAGACTATTCAAGTTAAATAGTCTAC**GAAACGTAGAGTTTGTATGTGT
ATATAGGGTATAGGACAAATG **TGAATTTTTTTGCATTGCAATAAAGTTCA**TATCTGCAAGTAA
CGTGTTTACGTG

GTAGACTATTCAAGTTAAATAGTCTAC-DSc

TGAACTTTATTGCAGTGCAAAAAGTTCA -DSI **TGAATTTTTTTGCATTGCAATAAAGTTCA**-DSr

7. *Apocheima cinerarium* nucleopolyhedrovirus

(118818-118619)

FJ914221

TAAATAATGATATCATTGATTGTAAGT **TTTTTGCTGTGCAAAAAA**TGTGACTTAAATCGTAGTAT
ATTGAGAGCATATAGTACAGT **GAAGACTATGTAAGTAAAATAGTCTAC**GAATCGAAATTTTCC
ACAGGATATGGGCGAGTCATAATTAGTGACC **TTTTTTGTACTGCAAAAAA**ATTCATATCTGATA
TGGTGATCAA

GAAGACTATGTAAGTAAAATAGTCTAC-DSc

TTTTTGCTGTGCAAAAAA-DSI

TTTTTTGTACTGCAAAAAA-DSr

8. *Autographa californica* multiple nucleopolyhedrovirus clone 6, complete genome

132204-132404

NC_001623

GGGGAAGCTTGCCAGGCAAAAATGAACTTTTTTGTAAATGCAAAAAAGTTGATAGTGTAGTAGTA
TATTGGGAGCGTATCGTACAGTGTAGACTATTCTAATAAAATAGTCTACGATTTGTAGAGATTG
TACTGTATATGGAGTGTGAGGCAAAAGTGAACTTTTTTGCATTGCAAAAAATTCTTTTAAATT
TATCATATC

GTAGACTATTCTAATAAAATAGTCTAC-DSc

AACTTTTTTGTAAATGCAAAAAAGTT-DSI

TTTTTTGCATTGCAAAAA-DSr

9. *Bombyx mandarina* nucleopolyhedrovirus, isolate S1

121284-121483

NC_012672

GGGGAAGCTTGTCAGGCAAAAATGAACTTTTTTGTAAATGCAAAAAAGTTGATAGTGTAGTAGTAT
ATTGAGAGCGTATAGTACAGTGTAGACTATTCTAATAAAATAGTCTACGATTTGTAGAGTTTCG
ACTGTATATTATATGTCAAACATAGGCGAACTTTTTTGTATTGCAAAAAATTCATTTTTTAATT
TATCATAT

GTAGACTATTCTAATAAAATAGTCTAC-DSc

AACTTTTTTGTAAATGCAAAAAAGTT-DSI

TTTTTTGTATTGCAAAAA-DSr

10. *Bombyx mori* nuclear polyhedrosis virus, isolate T3

122051-122251

NC_001962

AGGGAAGCTTGTCAGGCAAAAATGAACTTTTTTGTAAATGCAAAAAAGTTGATAGTGTAGTAGTA
TATTGAGAGCGTATAGTACAGTGTAGACTATTCTAATAAAATAGTCTACGATTTGTAGAGTTTCG
TACTGTATATTATATGTCAAACATAGGCGAACTTTTTTGTATTGCAAAAAATTCATTTTTTAAT
TTATCATAT

GTAGACTATTCTAATAAAATAGTCTAC-DSc

AACTTTTTTGTAAATGCAAAAAAGTT-DSI

TTTTTTGTATTGCAAAAA-DSr

11. *Choristoneura fumiferana* MNPV

124695-124895

NC_004778

GCCGAGTCACGTAGGCGCGCGCAACTTTTTTGCAGTGCAAAAAATGTACATTACGTGGTAGTG
TATAGAGAGCATATTAACAGTGTAGACTATTAAAGTAAATAGTCTACGAAACGAAGACTTT
GTTCTGTATATGGGTCCTTGAAAATAATGATTATTTTTGCACCTTCAAAAAAGTTCATAACAACA
CGGAAGTAAA

GTAGACTATTAAAGTAAATAGTCTAC-DSc

TTTTTGCAGTGCAAAAA-DSI

TTTTTGCACCTTCAAAAA-DSr

12. *Choristoneura fumiferana* defective multiple nucleopolyhedrovirus
(125520-125720)
NC_005137

TGTACGCAAACATGTTAAGAGT **GAAC TTT ATT GCA GTG CAAAAA AG TTC** GATGTGTGGTAGTG
TATTGGGAGCGTATACAACAGT **GTAG ACT ATT CAAG TTA AAT AGT CTAC** GAAACGTAGAGTTC
GTATGTGTATATAGGGT GCGATATAAAAG **TGA ACT TTT TTT GCA CTG CAA TAA TGT TCA** TATTA
GCCTATCACATG

GTAGACTATTCAAGTTAAATAGTCTAC-DSc

GAAC TTT ATT GCA GTG CAAAAA AG TTC-DSI **TGA ACT TTT TTT GCA CTG CAA TAA TGT TCA**-DSr

13. *Chrysoideixis chalcites* nucleopolyhedrovirus
6632-6832
NC_007151

CATAAATATGATATAGCTCGAGATAA **ACT TTT TTT GTC GTG CAAAAA AG T** ACTCTAAAGTGTAG
TATATTTACAGCATATTGTACAGT **GTAG ACT ATT CTAG TTA AAT AGT CTAC** GATTAGTAGATTT
TGTTCTGTATATTGATGCCGATACGATAACGAAC **TTTT TTT GTAG TG CAAAAA** ATACGATAACG
ATTATCGATA

GTAGACTATTCTAGTTAAATAGTCTAC-DSc

ACT TTT TTT GTC GTG CAAAAA AG T-DSI

TTTT TTT GTAG TG CAAAAA-DSr

14. *Clanis bilineata* nucleopolyhedrosis virus, strain DZ1
(6263-6463)
NC_008293

GTTAATTTGTTAATGAAC **TTTT TTT GCA CTT CAAAAA** AACATTATAATTATAGTATATTGGGA
GCATATCTTACACT **GTAG ACT AT GTAAAATAAATAGTCTAC** GATTTGAAATAATGTTCTGTATA
TTGAAGCGTGAGATATAGCGACT **TTTT TTT GCATTACAAAAA** GTTCATATAATTTTTATGTGTA
AAAATAATA

GTAGACTATGTAAAATAAATAGTCTAC-DSc

TTTT TTT GCA CTT CAAAAA-DSI

TTTT TTT GCATTACAAAAA-DSr

15. *Ecotropis obliqua* NPV strain A1
6464-6664
NC_008586

CGCTCTATACGTACATGAGGTCACCACT **TTTT TTT GCA CTT G CAAAAA** TGACGCAATAATGTAAT
ATATTGCCAGCATATAGTACAGT **GTAG ACT AT GCTAG TAAAATAAATAGTCTAC** GAATCGAATTTTT
GCTCTGTATATAGGGGCAGTCTTTAAACCCAA **TTTT TTT GTTGTG CAAAAA** GACGAGATAAG
ATTGTAAGCT

GTAGACTATGCTAGTAAAATAGTCTAC-DSc

TTTT TTT GCA CTT G CAAAAA-DSI

TTTT TTT GTTGTG CAAAAA-DSr

16. *Epiphyas postvittana* nucleopolyhedrovirus
114611-114811
NC_003083

CAAACACACTCACACGTAAATATGTAATTTTTTGCACTACAAAAAAATTCAATGTGTAGTAGTG
TATTAGGAGCGTATAGAACAGTGTAGACTATTCAAGTTAAATAGTCTACGATTTCGTAGTTTTTG
TACTGTGTATAGGGTCTCAGAAAAAAATGAACTTTTTTTGCAGTGCAAAAAGGTTCAGTATTGCT
TTACAGTAA

GTAGACTATTCAAGTTAAATAGTCTAC-DSc

TTTTTTGCACTACAAAAAA-DSI

TTTTTTGCAGTGCAAAAA-DSr

17. *Euproctis pseudoconsersa* nucleopolyhedrovirus strain Hangzhou
5220-5419 plus
NC_012639

TTATCCTTTGTTTTATACAGTAGTTTTTTGTTATACAAAAAACCTCCTAAAAATGTAGTATATAG
AGAGCATATAATGCAGTGTAGACTATTCAGGGTAAATAGTCTACGATTTGTAATTTTCCGCTGT
ATATTTGACCTTGAAAATAAAGCAATTTTTTTGCACTACAAAAAAGTACGTGTTCAAATTGTAT
GTGTGTG

GTAGACTATTCAGGGTAAATAGTCTAC-DSc

GTTTTTTGTTATACAAAAAAC-DSI

TTTTTTGCACTACAAAAAA-DSr

18. *Helicoverpa armigera* multiple nucleopolyhedrovirus
9210-9310
NC_011615

ATCGGATTAGGCGATAACAAACTTTTTTGCAGTGCAAAAAAAGTCGTTATAGTGTAGTATATA
GGAACGATATCGTACAGTGTAGACTATGCTAGTATAATAGTCTACGATTTCGAAATATTCCAC
TGTATATTGGTGTTCGGAATAGAGGTGACTTTTTTTGCAGTGCAAAAAAGTACGTGACAAAAGC
CACGTACAATATA

GTAGACTATGCTAGTATAATAGTCTAC-DSc

TTTTTTGCAGTGCAAAAAA-DSI

TTTTTTGCAGTGCAAAAAA-DSr

19. *Helicoverpa armigera* nuclear polyhedrosis virus, strain C1
5398-5598
NC_003094

GACGTGATAGAGATAACGTATCACACATTTTTGTTGTGCAAAAATGTACCTATTTTTGTAGTA
TATTGGGAGCATATCGTACAGTGTAGACTATTCTGGTTAAATAGTCTTCGATTTCGAAAATTC
CACTGTATATTGATGACGTCATTAACACGAATTTTTTTGTAGTGCAAAAATTCAGGTTCGCT
TCGACAACACTT

GTAGACTATTCTGGTTAAATAGTCTTC-DSc

ACATTTTTGTTGTGCAAAAATGT-DSI

GAATTTTTTTGTAGTGCAAAAATTC-DSr

20. *Hyphantria cunea* nucleopolyhedrovirus

7113-7317

NC_007767

GCGGAGTACGTGACTCTCGACACGTATTTTTTGCAGTGCAAAAA GTTACTCTGTGGTA
GTGTATTAGGAGCGTATAGAACAGTGTAGACTATTCAAGTAAAATAGTCTACGAAATGTA
GACTTTGCTCTGTATATGGGGCTGTGTTTCGATAACGTGTTTTTTGCAGTGCAAAAA GTTC
ATGTGTGACAAGCAAGATTATC

GTAGACTATTCAAGTAAAATAGTCTAC-DSc

TTTTTTGCAGTGCAAAAA-DSI

TTTTTTGCAGTGCAAAAA-DSr

21. *Leucania separata* nuclear polyhedrosis virus strain AH1

8462-8662

NC_008348

GCTCATGGGCTGCAATCGAGCTCGACTTTTTTGCAGTGCAAAAA TGTGCTCTGTGTCGTAG
TATATAGGTAGCATATCGTACAGTGTAGACTTTGCTAGTTAAAAGTCTTTCGAATCGAACT
ATTCCACTGTATATAGGCTCTGATTTTTTATCGTCTTTTTTGCAGTGCAAAAA GTTCAATC
ATCGTTGTGACGTCA

GTAGACTTTGCTAGTTAAAAGTCTTTC-DSc

TTTTTGCAGTGCAAAAA-DSI

TTTTTGCAGTGCAAAAA-DSr

22. *Lymantria dispar* nucleopolyhedrovirus

10008-10208

NC_001973

CCGGCTCCGGCCAGGCCCGGACAGACTTTTTTGCAGTGCAAAAAAGCAGAGGAAATCGTA
GTGTATGGAGAGCGTCTTCTACATCGTAGACTATGCGGGTCAATAGTCTACGATCGCAGC
GTTTCCTCTGTATATGGGTCCTGGATTTCGGAGGCCACTTTTTTGCAGTGCAAAAA AGTGG
GTCTGCGCCGCGGTCCGCC

ATCGTAGACTATGCGGGTCAATAGTCTACGAT-DSc

CTTTTTTGCAGTGCAAAAAAG-DSI

TTTTTTGCAGTGCAAAAA-DSr

23. *Lymantria xyli* MNPV isolate LyxyMNPV-5

8208-8407

NC_013953

AGCTCCGGCCAGGCCGCAAACAGACTTTTTTGCAGTGCAAAAAAGTAAAGGAAATCGTAGTG
TATGGAGAGCATCTTCTACATCGTAGACTATGCGGGTCAATAGTCTACGATGGAACCGTTT
CCTCTGTATATGGGTGTCAAATTTAGAGGCTCTTTTTTGCAGTGCAAAAA GTTAATTCTA
CCGACGCGTCCAAAC

ATCGTAGACTATGCGGGTCAATAGTCTACGAT-DSc

ACTTTTTTGCAGTGCAAAAAAGT-DSI

TTTTTTGCAGTGCAAAAA-DSr

24. Malacosoma neustria NPV (Mane)

CCTGCAGATAGGAATAGATAACGAACTTTTTTGCAGTGCAAAA TTGTGCCATATTCGTAGTG
TATCGAGAGCATATTGTACAGTGTAGACTATGTGGCAGCATAGTCTTCGATTTCGTAGATTAGA
TACTGTATATGGGTGCCGATAAATTCTTGA ACTTTTTGCAGTACAAAAA TTTCCATGACGCAT
TTTGCGCGCA

GTAGACTATGTGGCAGCATAGTCTTC-DSc

TTTTGCAGTGCAAAA-DSI

TTTTTGCAGTACAAAAA-DSr

**25. Mamestrae brassicae MNPV
(9190-9390)
JQ798165**

ATCGTTATCGGATTAGGCGATAACAAAC TTTTTTGCAGTGCAAAAAA AGTCGTTATAGTGTA
GTATATAGGAACGATATCGTACAGTGTAGACTATGCTAGTATAATAGTCTACGATTCAAAA
TATTCCACTGTATATTGGTGTCCGATTAGAGGTGACTTTTTTGCAGTGCAAAAAA GTACGT
GACAAAAGCCACGTAC

GTAGACTATGCTAGTATAATAGTCTAC-DSc

TTTTTGCAGTGCAAAAAA-DSI

TTTTTGCAGTGCAAAAAA-DSr

**26. Mamestra configurata nucleopolyhedrovirus B
(9189-9389)
NC_004117**

CGTTATCGGATTAGGCGATAACGAACTTTTTTGCAGTGCAAAAAA AGTCGTTATAGTGTA
TATAGGAACGATATCGTACAGTGTAGACTATGCTAGTATAATAGTCTACGATTTCGAAATATTC
CATTGTATATTGGTGTCCGATTAGAGGTGACTTTTTTGCAGTGCAAAAAA GTACGTGACAAA
AGCCACGTACAA

GTAGACTATGCTAGTATAATAGTCTAC-DSc

TTTTTGCAGTGCAAAAAA-DSI

TTTTTGCAGTGCAAAAAA-DSr

**27. Mamestra configurata nucleopolyhedrovirus strain 90/2
(9010-9210)
NC_003529**

CAGATTAGGCGATAACGATAATGAAC TTTTTTGCAGTGCAAAAAA AGTCTCTATAGTGTA
ATATAGGGCCATATACTACAGTGTAGACTATGCTAGTATAATAGTCTACGATTTCGAAATAT
TCCACTGTATATCGGTGTAGGATCAGAGGTGACTTTTTTGCAGTGCAAAAAA GTACGTGCC
GTCGGTCACGTACAA

GTAGACTATGCTAGTATAATAGTCTAC-DSc

TTTTTGCAGTGCAAAAAA-DSI

TTTTTGCAGTGCAAAAAA-DSr

28. Maruca vitrata MNPV
107503-107703
NC_008725

GCAAGCAAATTCAACTTTTTGTAATGCAAAAAAGTTGATTGTGTAGTAGTATATTGGGA
GCATATAGAACAGTGTAGACTATTCTAATAAAATAGTCTACGATTTGTAGACTTTGTACTGT
ATATAGGGGTGCTGGCGAACGTGACTTTTTTTGCATTACAAAAAATTCATATCTGATACGA
TCTGTTATTCAAGCGT

GTAGACTATTCTAATAAAATAGTCTAC-DSc

TCAACTTTTTGTAATGCAAAAAAGTTGA-DSI TTTTTTTGCATTACAAAAAA-DSr

29. Orgyia leucostigma NPV isolate CFS-77
5392-5591
NC_010276

GATTAGATATATTCGTATCGACTTTTTTTGTAGTGCAAAAAGTGCTTTAAATCGTAGTATAT
TGAGAGCATATAGTACAGTGTAGACTATTCTAGTAAAATAGTCTACGATTCGTAATATTGTT
CGGTATATGGCCCTGATATCAAACCTCGATTTTTTTTGCACTACAAAAAAGTTGACGTCTGATT
TTCGACTTTATT

GTAGACTATTCTAGTAAAATAGTCTAC-DSc

TTTTTTGTAGTGCAAAAA-DSI TTTTTTGCACTACAAAAAA-DSr

30. Orgyia pseudotsugata multicapsid nucleopolyhedrovirus
(128266-128466)
NC_001875

GCCGGCCTACGTGACTGCCGACACGTACTTTTTTTGCACTGCAAAAAGGTTCAATGTGTGGTA
GTGTATTTGGAGCGTATACAACGGTGTAGACTATTTATGTAAAATAGTCTACGAAACGTAG
AGTTTGTACTATGTATGGGCCCGCGTGCAAAAGCGTGTTTTTTTGCACTGCAAAAAGTTGG
TGGTGGGGAGGCCAC

GTAGACTATTTATGTAAAATAGTCTAC-DSc

TTTTTTGCACTGCAAAAA-DSI TTTTTTGCACTGCAAAAA-DSr

31. Plutella xylostella multiple nucleopolyhedrovirus isolate CL3
132723-132923
NC_008349

GGTGGGGAACCTTGCCAGACAAAAATGAACTTTTTGTAATGCAAAAAAGTTGATAGTGTAG
TAGTATATTGGGAGCGTATCGTACAGTGTAGACTATTCTAATAAAATAGTCTACGATTTGTA
GAGATTGTACTGTATATGGAGTGTGAGGCAAAAGTGAACTTTTTTGCATTGCAAAAAATTC
ATTTAAATTTATCAT

GTAGACTATTCTAATAAAATAGTCTAC-DSc

AACTTTTTGTAATGCAAAAAAGTT-DSI TTTTTTGCATTGCAAAAA-DSr

32. Rachiplusia ou multiple nucleopolyhedrovirus

129821-130002

NC_004323

GGGGAAGCTTGCCAAGCAATAATGAACTTTTTGTAAATGCAAAAAAGTTGATAGTGTAGTAG
TATATTGGGAGCGTATTGTACAGTGTAGACTATTCTAATAAAATAGTCTACGATTTGTAGAG
TTTGTATTGTATATTGAATGCCGAGCAAAAGTGAAGCTTTTTTGCATTGCAAAAAAGTTCAATT
TTAATTTTAAATTTT

GTAGACTATTCTAATAAAATAGTCTAC-DSc

AACTTTTTGTAAATGCAAAAAAGTT-DSI TGAAGCTTTTTTGCATTGCAAAAAAGTTCA-DSr

33. Spodoptera exigua nucleopolyhedrovirus

5848-6048

NC_002169

TATCTTATCTGAAAATGATATTGAACTTTTTTGCACTGCAAAAAATGCACCTTAAAGTGTAGTA
TATGGAGAGCATATTGTTCAAGTGTAGACTATGCTAGTATAATAGTCTACGATTCGAAATTTT
CCATTGTATATCGGCCTTGAATGATGACCAACTTTTTTGCACTACAAAAAAGTACGTGACC
GATAATCCAGATAA

GTAGACTATGCTAGTATAATAGTCTAC-DSc

TTTTTGCACTGCAAAAA-DSI

ACTTTTTTGCACTACAAAAAAGT-DSr

34. Spodoptera frugiperda MNPV, strain 3AP2

5058-5258

NC_009011

TTAGGTTCAAGGCCTGTGCGTCATCAACTTTTTTGCAGTGCAAAAAAGTACCTTAAAGTGTAG
TATATGGAGAGCATATTCTACAGTGTAGACTATGCTAGTATAATAGTCTACGATTCGAACTAT
TGTTCTGTATATAGATATGCCATATCTAATCAACA TTTTTGCACTACAAAAAAGTACACTACC
ATTTTTATCTTG

GTAGACTATGCTAGTATAATAGTCTAC-DSc

ACTTTTTTGCAGTGCAAAAAAGT-DSI TTTTTGCCTACTACAAAAA-DSr

35. Spodoptera litura nucleopolyhedrovirus strain G2

6006-6205

NC_003102

CGGTCACGTAGGCCGCGGATGTCAACTTTTTTGCAGTGCAAAAAATATACTCTATTTTCGTAGTA
TATAGAATCGATATATACAGTGTAGACTTTGCTAGATAAAATAGTCTACAATTTCGAAATTTTG
TACTGTATATAGCATCCTGCCGATAGCCGAA TTTTTTGCAGTGCAAAAAAATTGATATCT
AAATCCGGAGACG

TGTAGACTTTGCTAGATAAAATAGTCTACA-DSc

TTTTTGCAGTGCAAAAA-DSI

TTTTTTTTGCAGTGCAAAAAA-DSr

36. Spodoptera litura nucleopolyhedrovirus II

6034-6233

NC_011616

CGATGGCCACGTGCAGGCGATAACCAACTTTTTGCAGTGCAAAAAATGTGCCCTAAAGTGTA
GTATATGGAGAGCATATTGTTTCAGTGTAGACTATGCTAGTATAATAGTCTACGATTTCGAAAT
TTTCCACTGTATATCGGTCTTTGTATGGAACCTAATTTTTTTGTAAGTCAAAAAAGTACATCC
CCGATAAGGCGCC

GTAGACTATGCTAGTATAATAGTCTAC-DSc

TTTTTGCAGTGCAAAAA-DSI

TTTTTTGTAAGTCAAAAA-DSr

37. Thysanoplusia orichalcea NPV isolate P2

130790-130990

JX467702

CACGCTTACGTGCTAGGCGATATTGAGCTTTTTTGCATTGCAAAAAAGTGTGATTATGTGGTA
GTATATTAGGAGCGTATTGTACAGTGTAGACTATTCTAATAAATAGTCTACGATTTGTAGA
GTTTGTACTGTATATAGGGTGCCAGCCAAAATTAACTTTTTTGAATTGCAAAAAATTTCATT
CTCAATTGTTATTC

GTAGACTATTCTAATAAATAGTCTAC-DSC

AGCTTTTTTGCATTGCAAAAAAGT -DS1

TTTTTTGAATTGCAAAAA-DS2

38. Trichoplusia ni single nucleopolyhedrovirus, complete genome

5833-6033

NC_007383

TTATAAATTCGTTATCATCGAGGTCAA CTTTTTTGTTGTGCAAAAAAGGACTCAAAAATGTA
GTATATTGACAGCATATTGTTTCAGTGTAGACTATTCTAGTTAAATAGTCTACGATTAGTAGT
TTTTGTACTGTATATTGATGCCGCCCGATAACGAACTTTTTTGCACTACAAAAAA'AGACGA
TAATACAATCTAATC

GTAGACTATTCTAGTTAAATAGTCTAC-DSc

CTTTTTGTTGTGCAAAAAAG-DSI

TTTTTTGCACTACAAAAAA-DSr