

ML Tree 1
Alphaflexiviridae

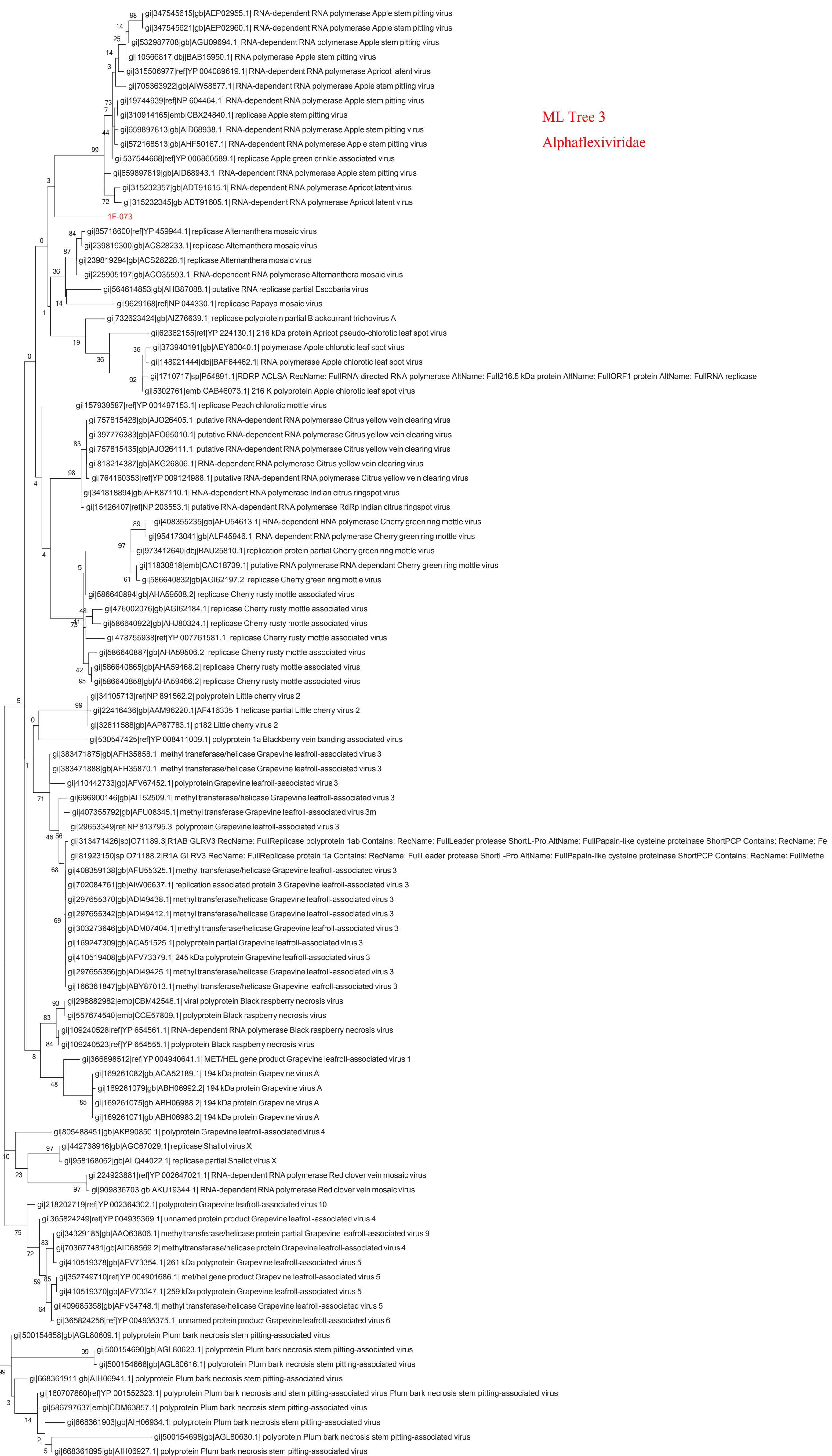




ML Tree 2
Alphaflexiviridae

0.2

ML Tree 3
Alphaflexiviridae



0.5

ML Tree 4

Alphaflexiviridae



0.1

ML Tree 5

Alphaflexiviridae



1G-092

0.2

ML Tree 6

Amalgaviridae

100
gi|167077480|gb|ABZ10949.1| fusion protein Southern tomato virus
gi|923057524|gb|ALB05811.1| fusion protein RdRp Southern tomato virus
gi|948271133|gb|ALM54938.1| fusion protein RdRp Southern tomato virus
gi|213496076|ref|YP_002321509.1| fusion protein p122 Southern tomato virus
gi|923057523|gb|ALB05810.1| putative coat protein Southern tomato virus
gi|213496075|ref|YP_002321510.1| putative coat protein p42 Southern tomato virus
C2-2 A44 2012-89-E
C2-2 A79 2012-99-D

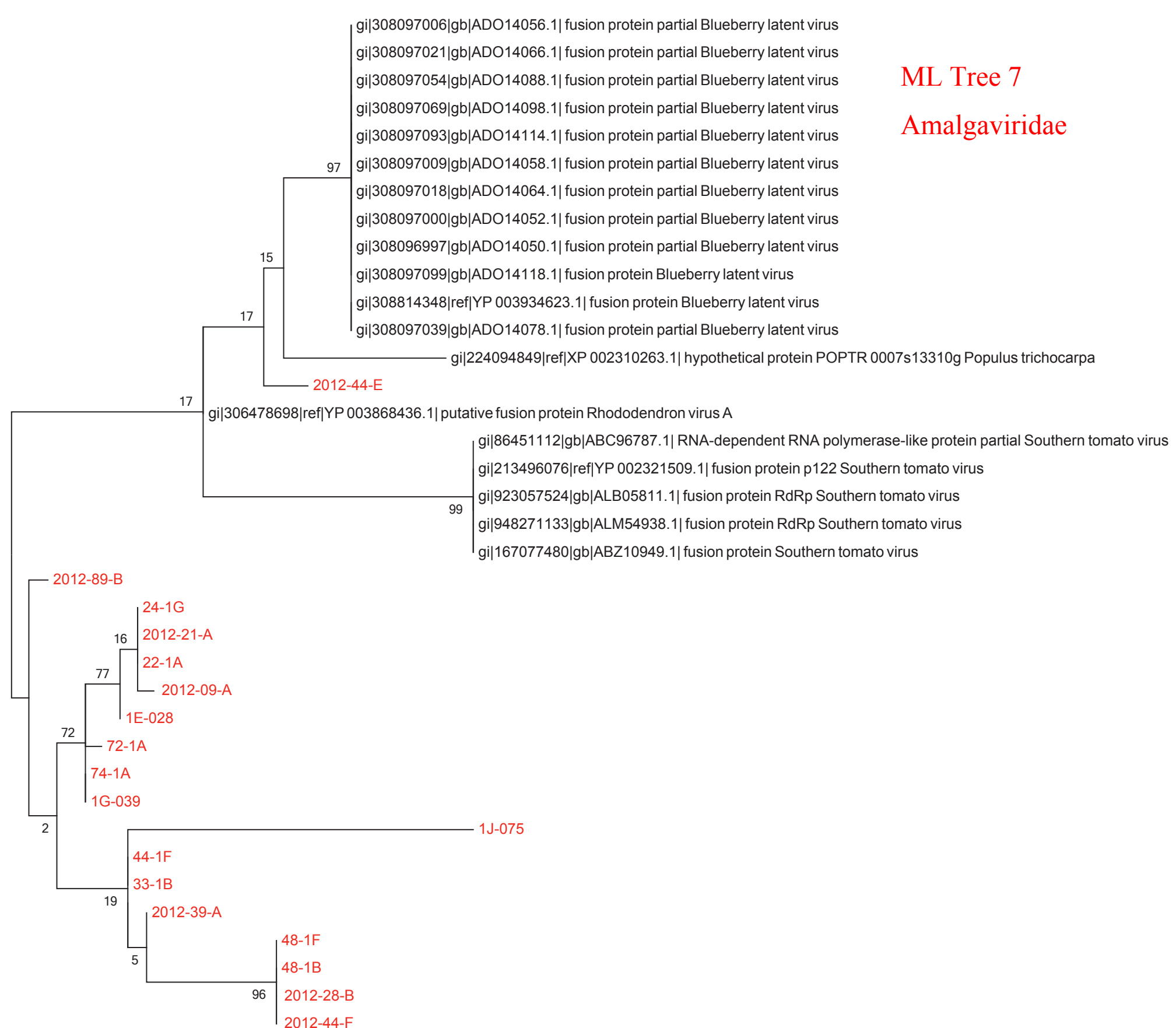
100
53-1D
11-083

100
gi|306478699|ref|YP_003868437.1| putative coat protein Rhododendron virus A
gi|306478698|ref|YP_003868436.1| putative fusion protein Rhododendron virus A

0.2

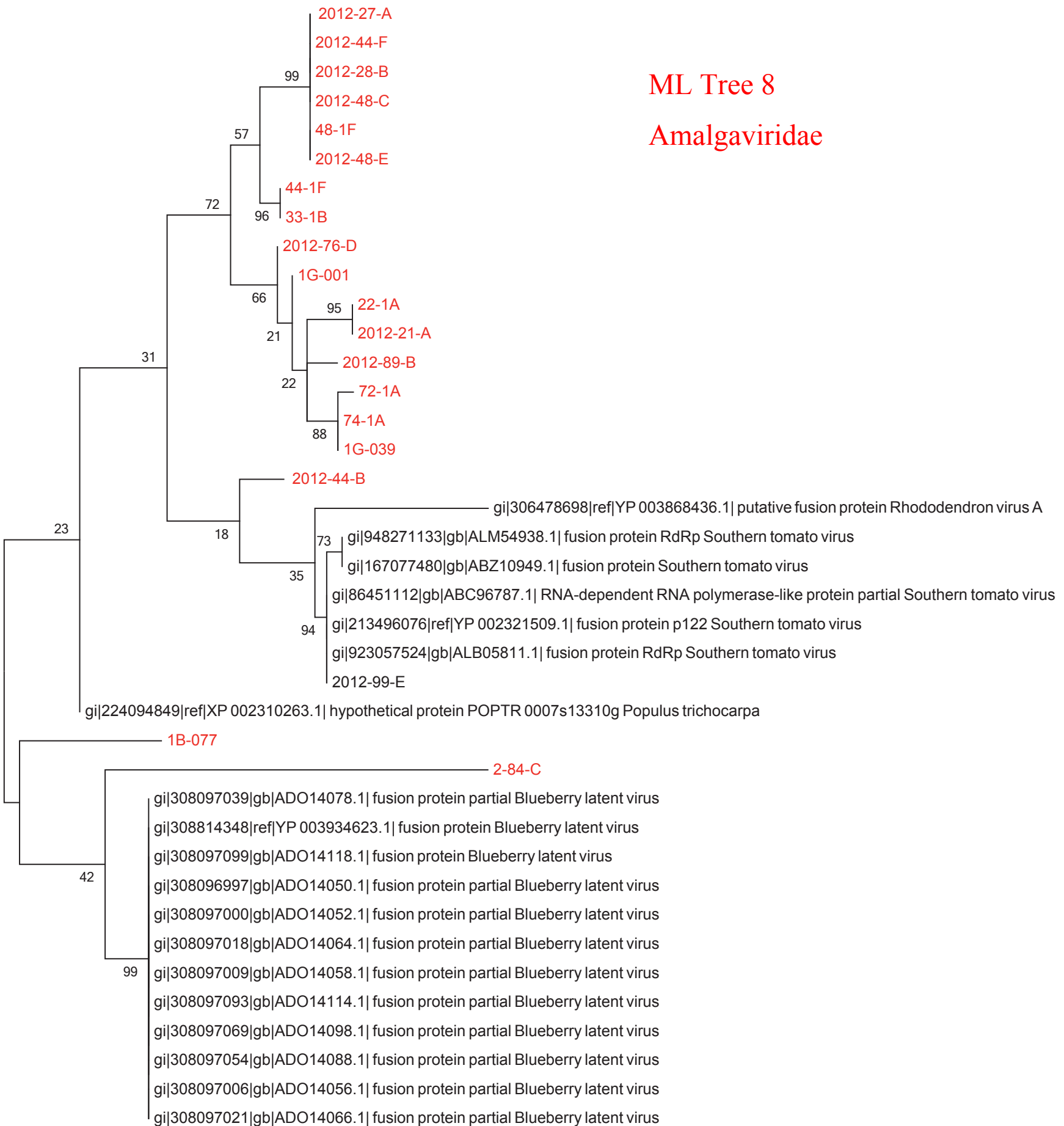
ML Tree 7

Amalgaviridae



0.5

ML Tree 8
Amalgaviridae



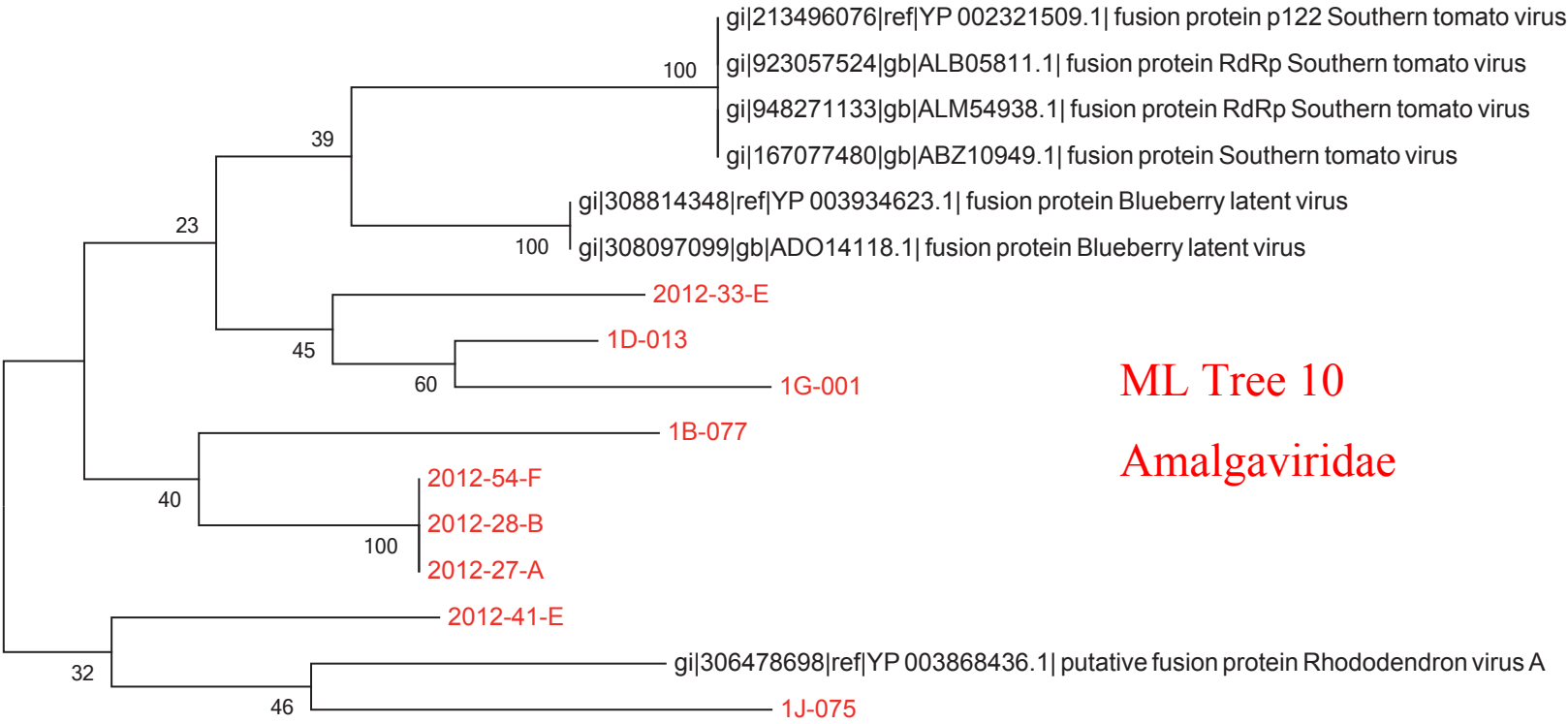
0.1

ML Tree 9

Amalgaviridae

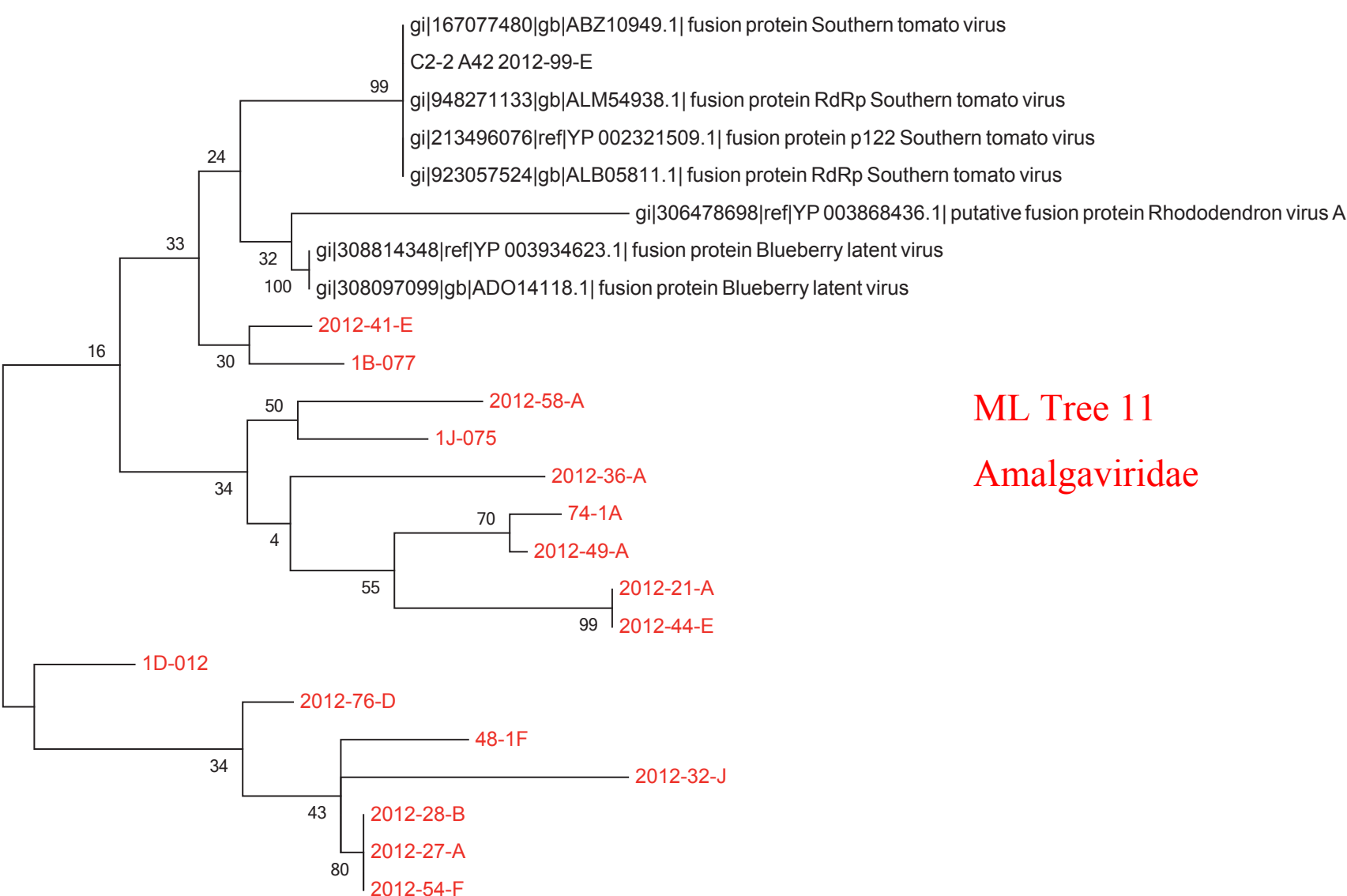


0.05



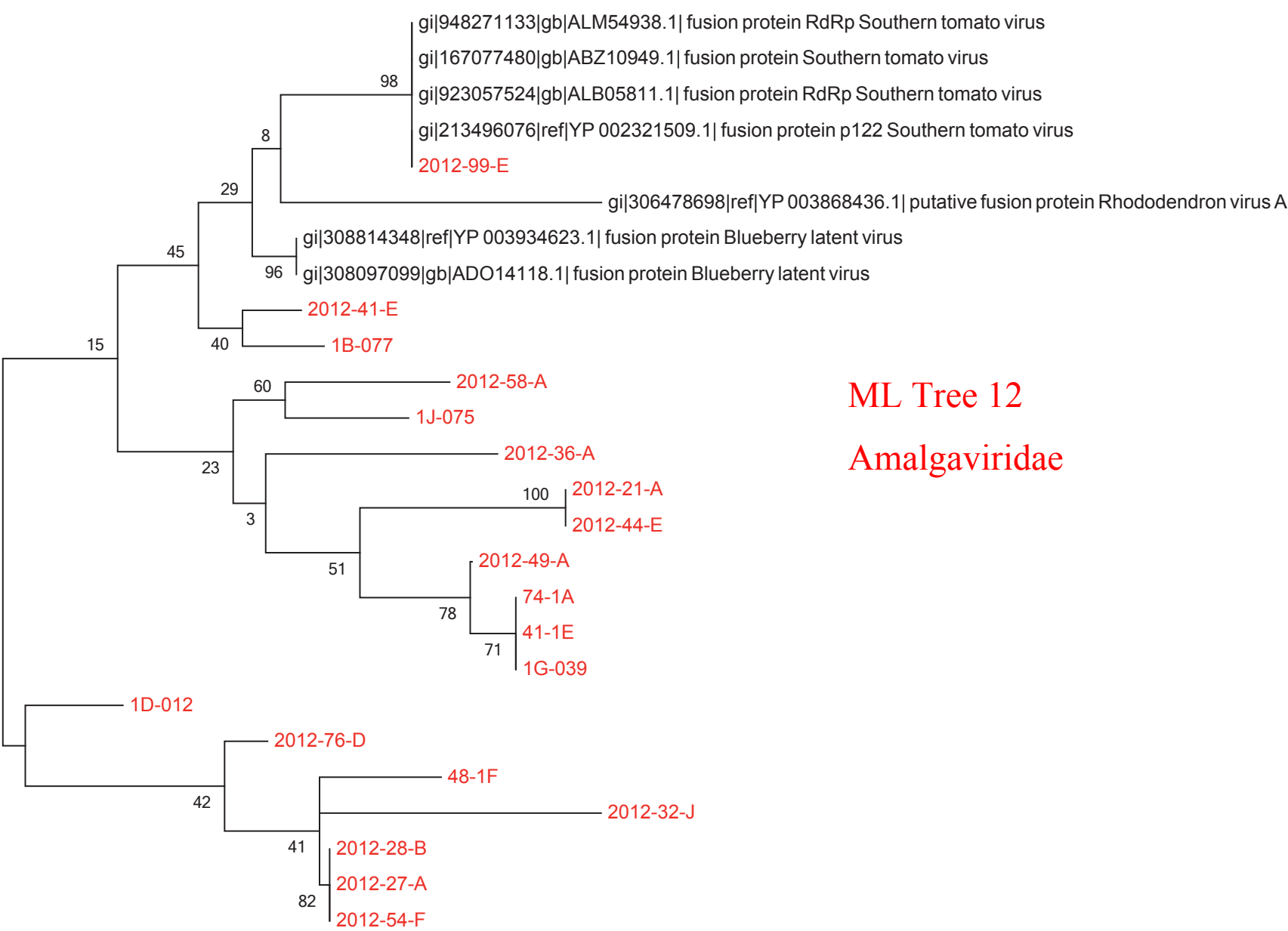
ML Tree 10
Amalgaviridae

0.1



ML Tree 11
Amalgaviridae

0.1

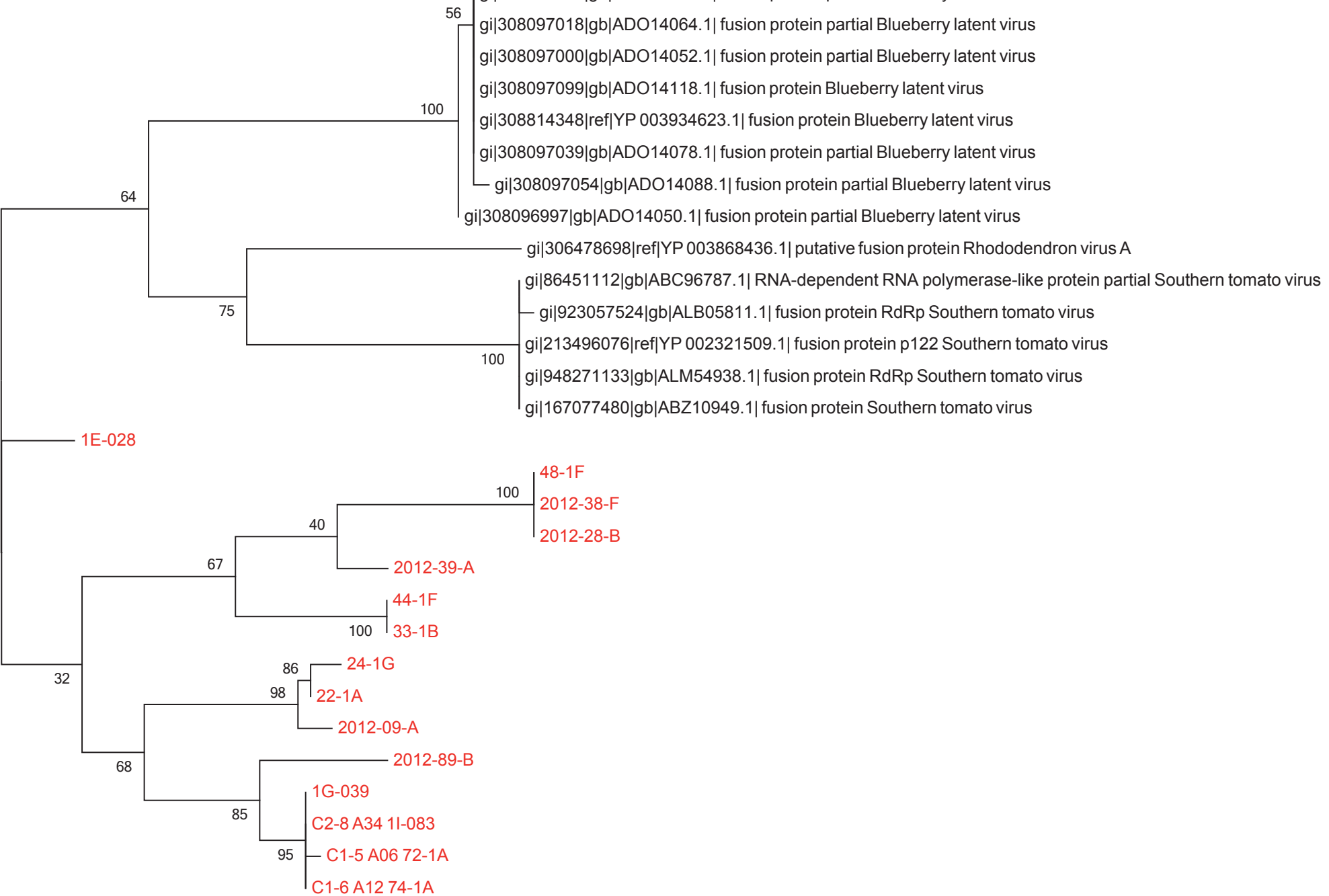


ML Tree 12
Amalgaviridae

0.2

ML Tree 13

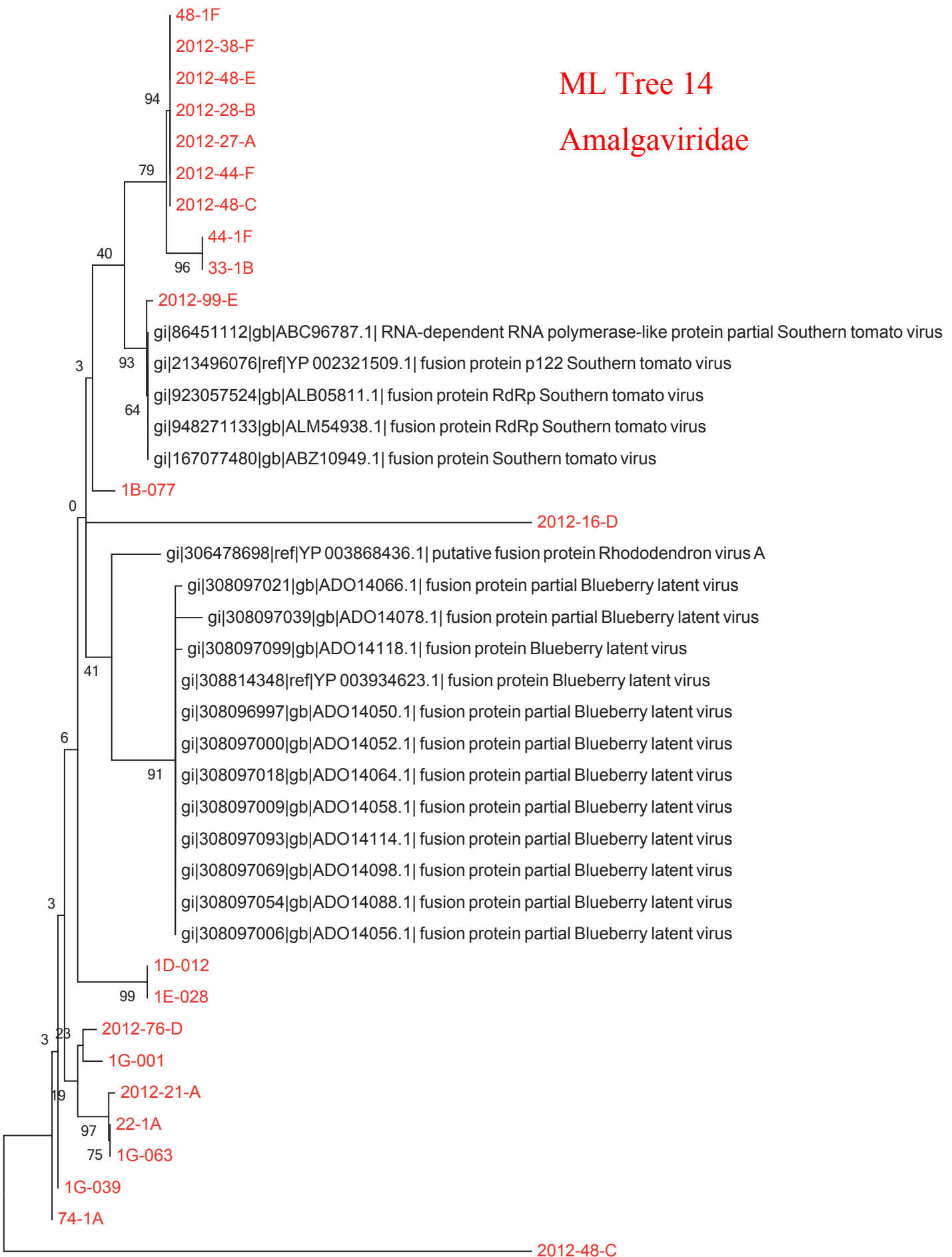
Amalgaviridae



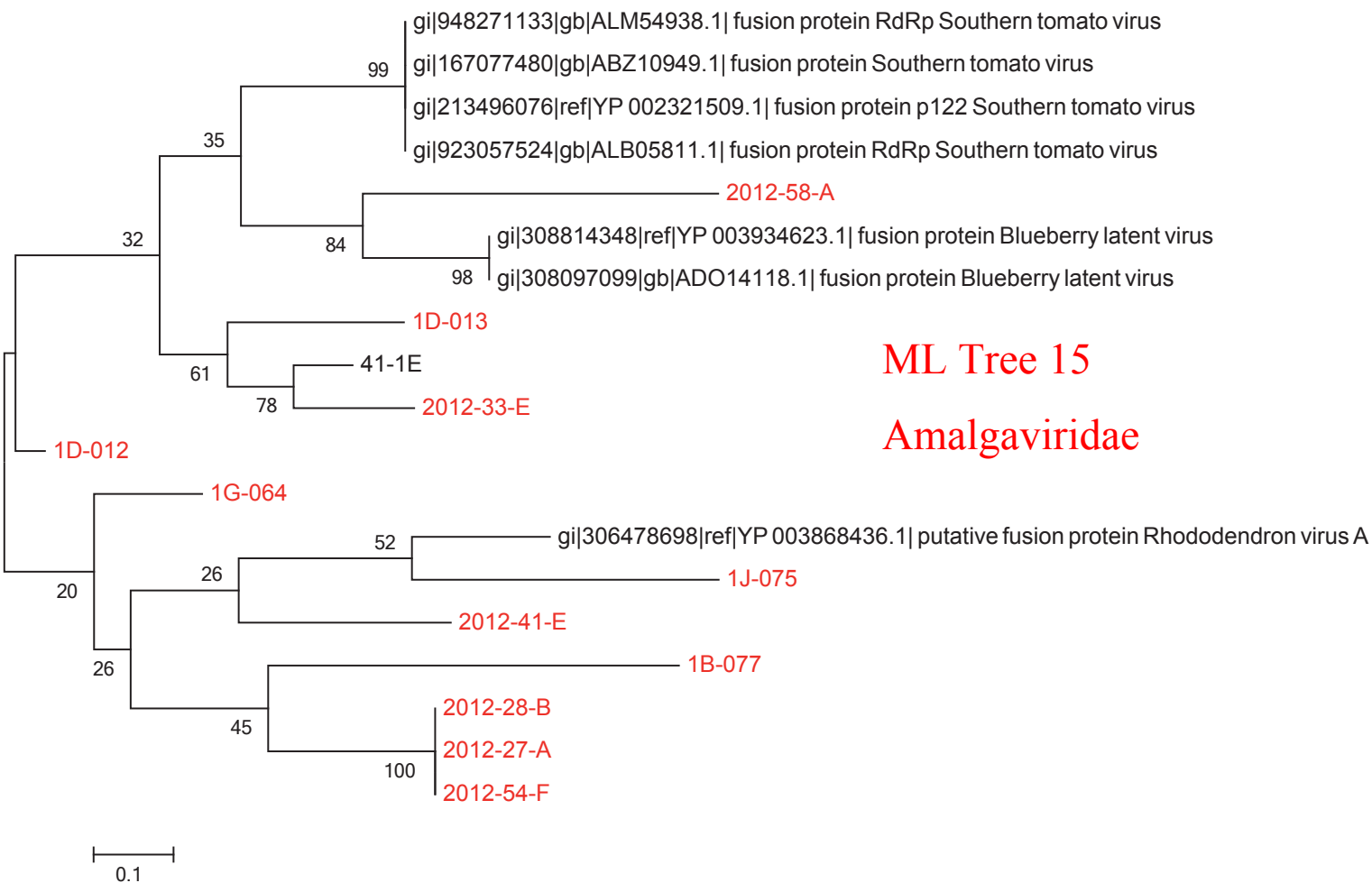
0.1

ML Tree 14

Amalgaviridae

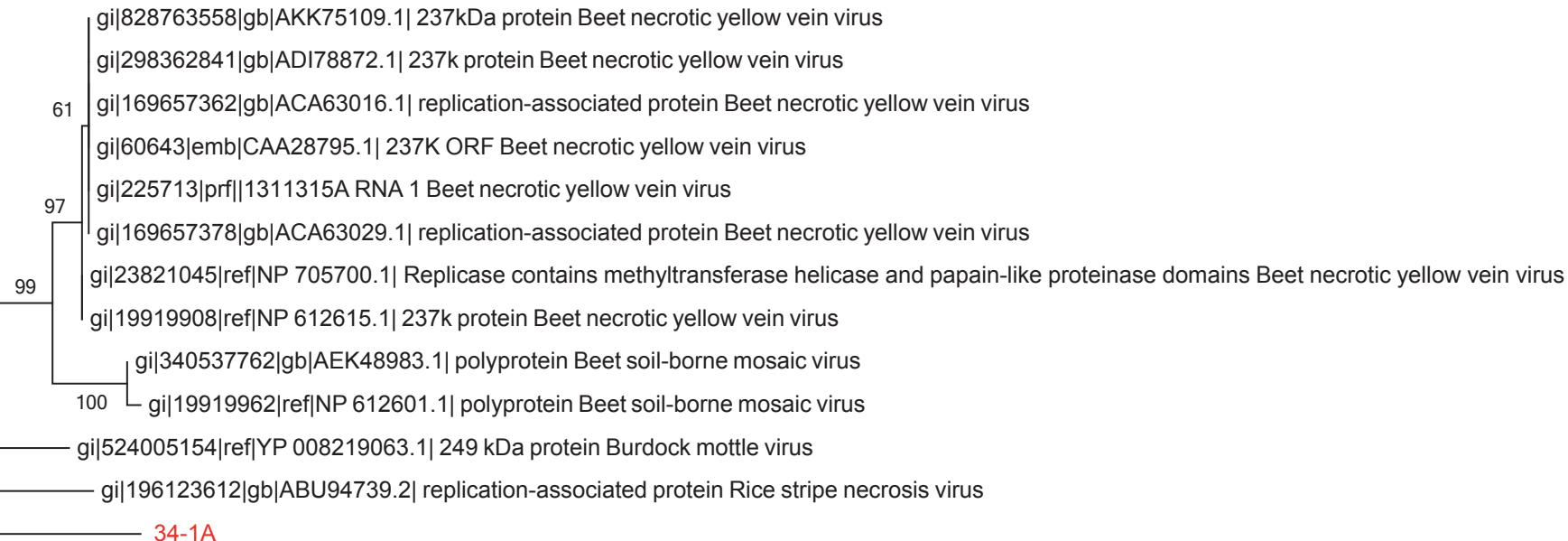


0.5



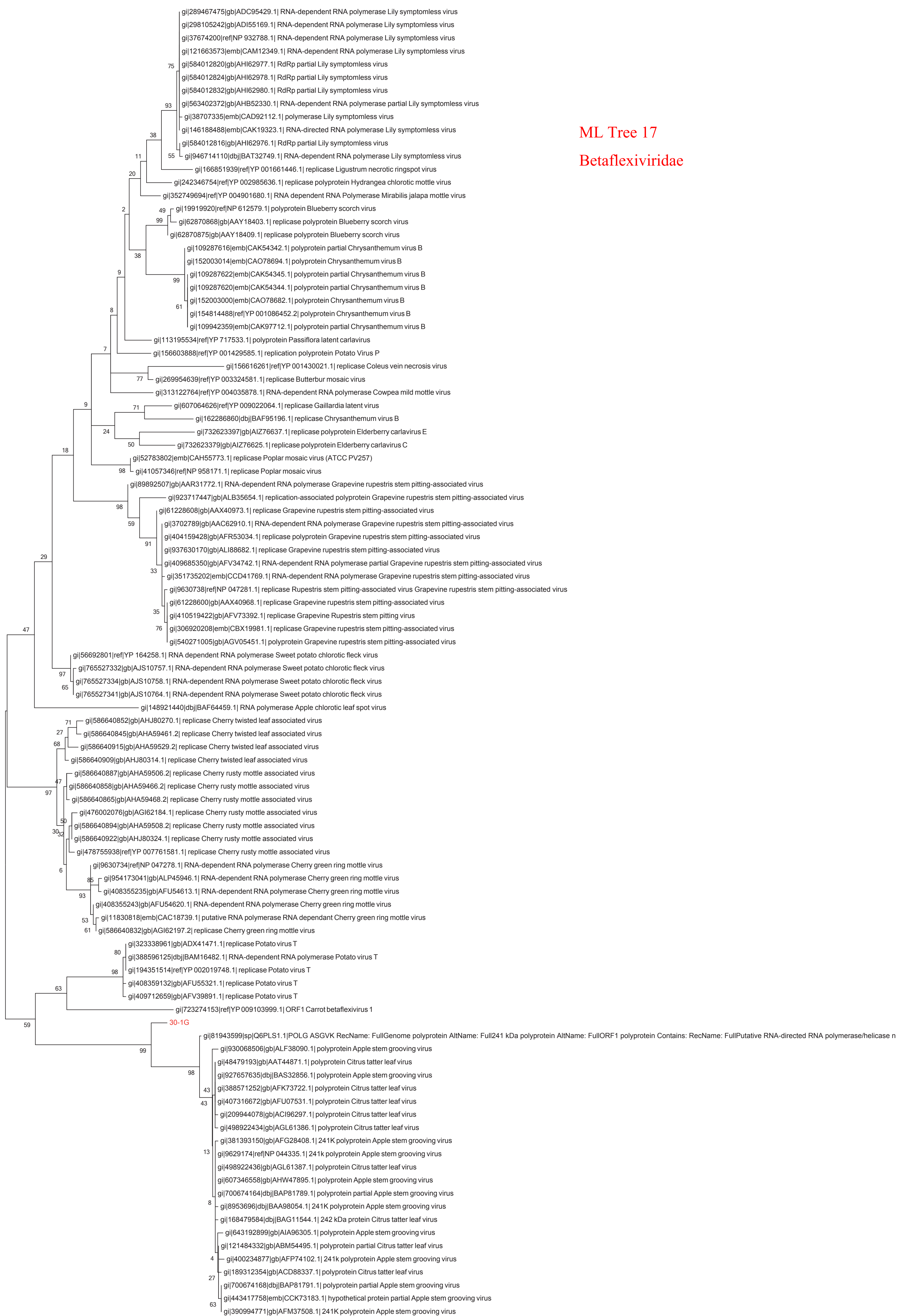
ML Tree 16

Benyviridae



0.1

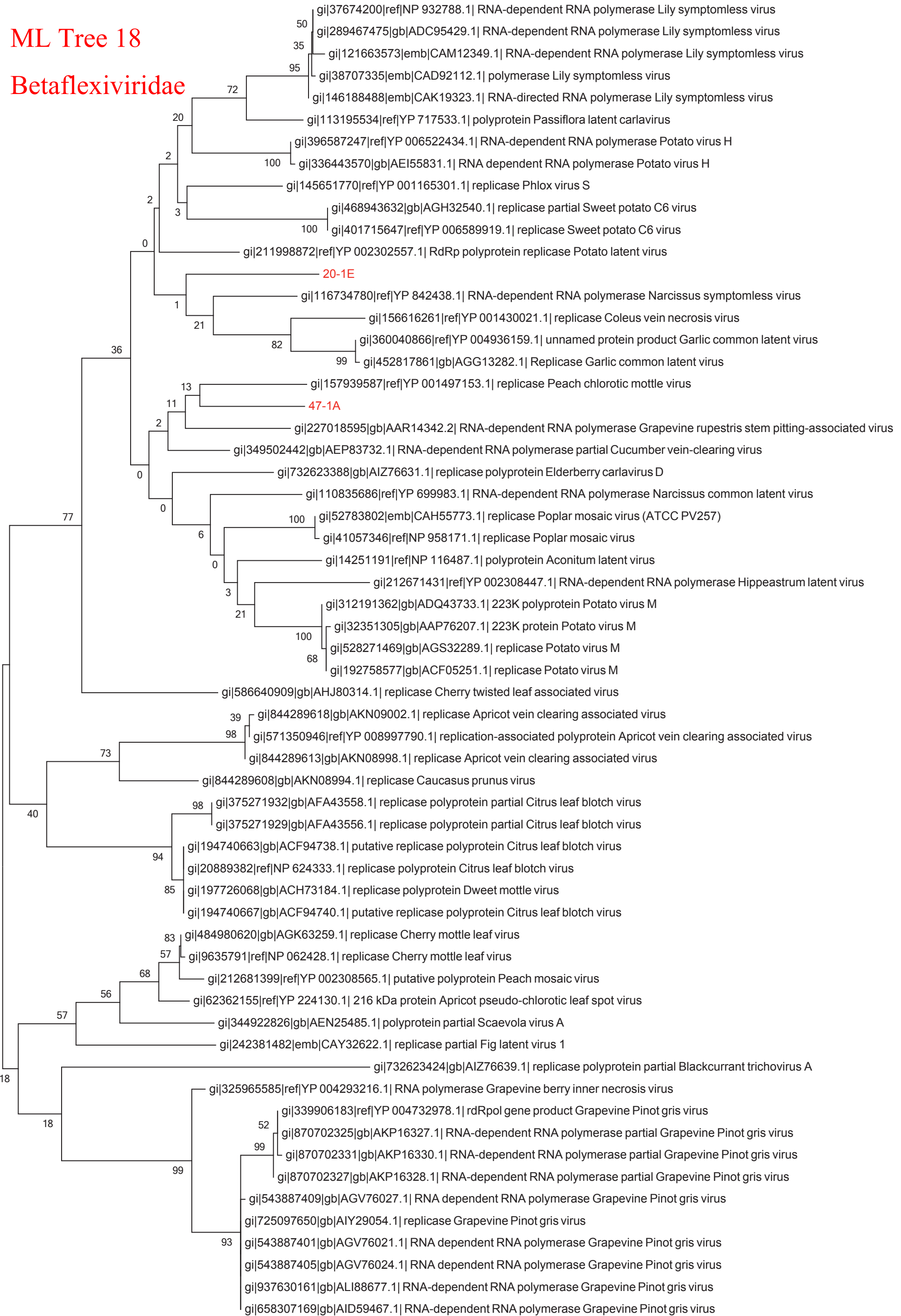
ML Tree 17
Betaflexiviridae



0.2

ML Tree 18

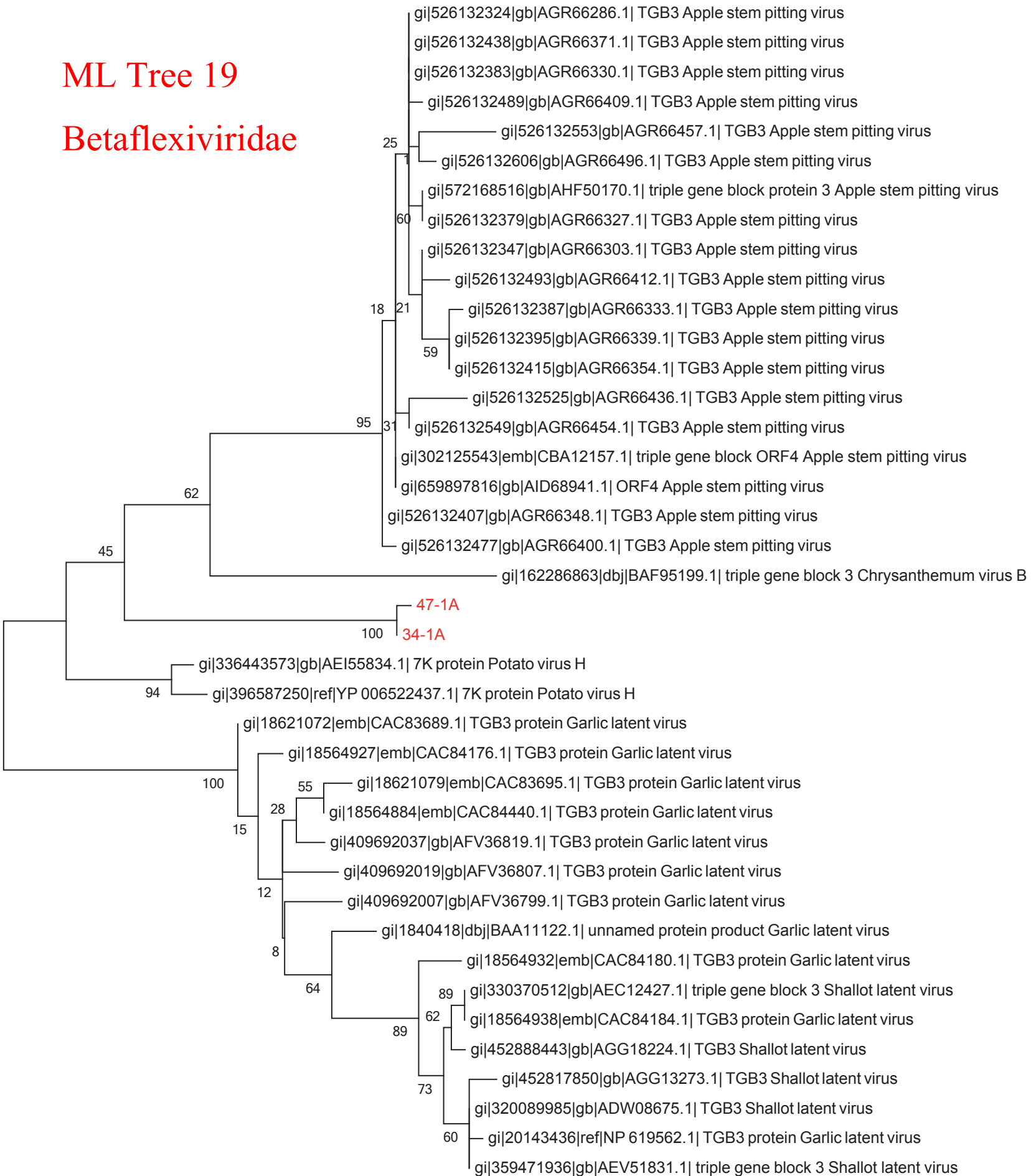
Betaflexiviridae



0.2

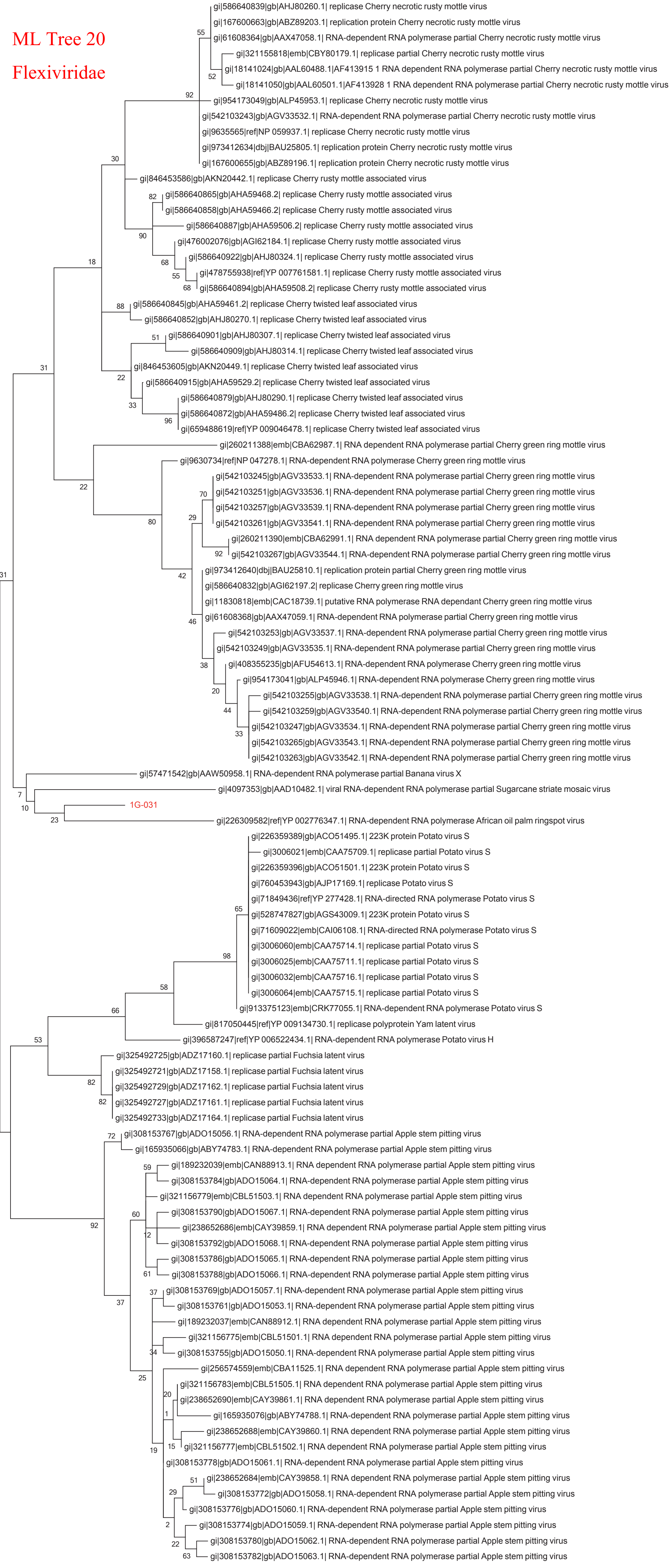
ML Tree 19

Betaflexiviridae



0.1

ML Tree 20
Flexiviridae



0.05

ML Tree 21

Bromoviridae

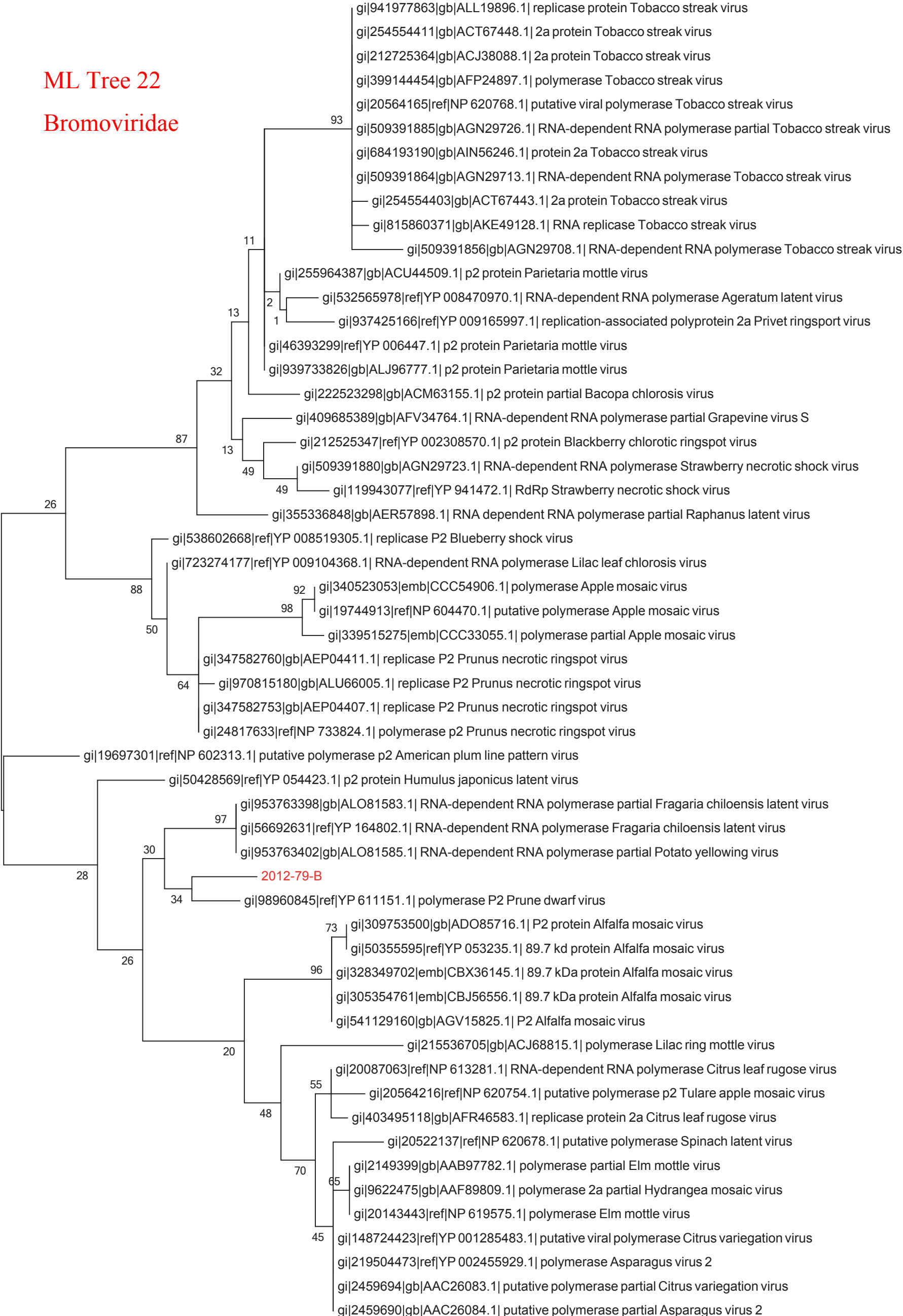
gi|20177487|ref|NP 619771.1| putative 2a protein Pelargonium zonate spot virus
gi|408475274|gb|AFU72537.1| protein 2a Pelargonium zonate spot virus
gi|816255934|gb|AHG25372.3| replicase Pelargonium zonate spot virus

2012-03-D

0.5

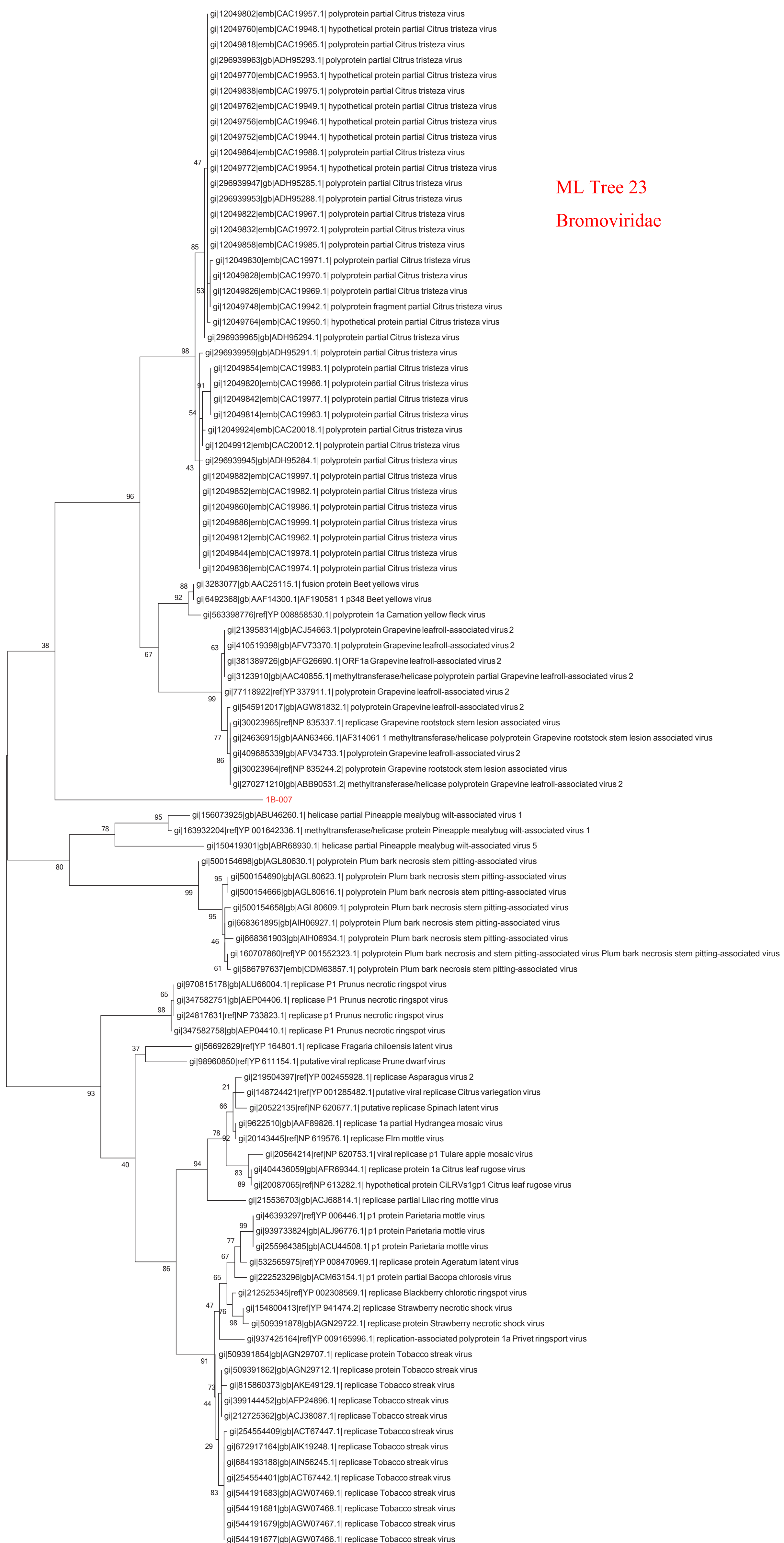
ML Tree 22

Bromoviridae

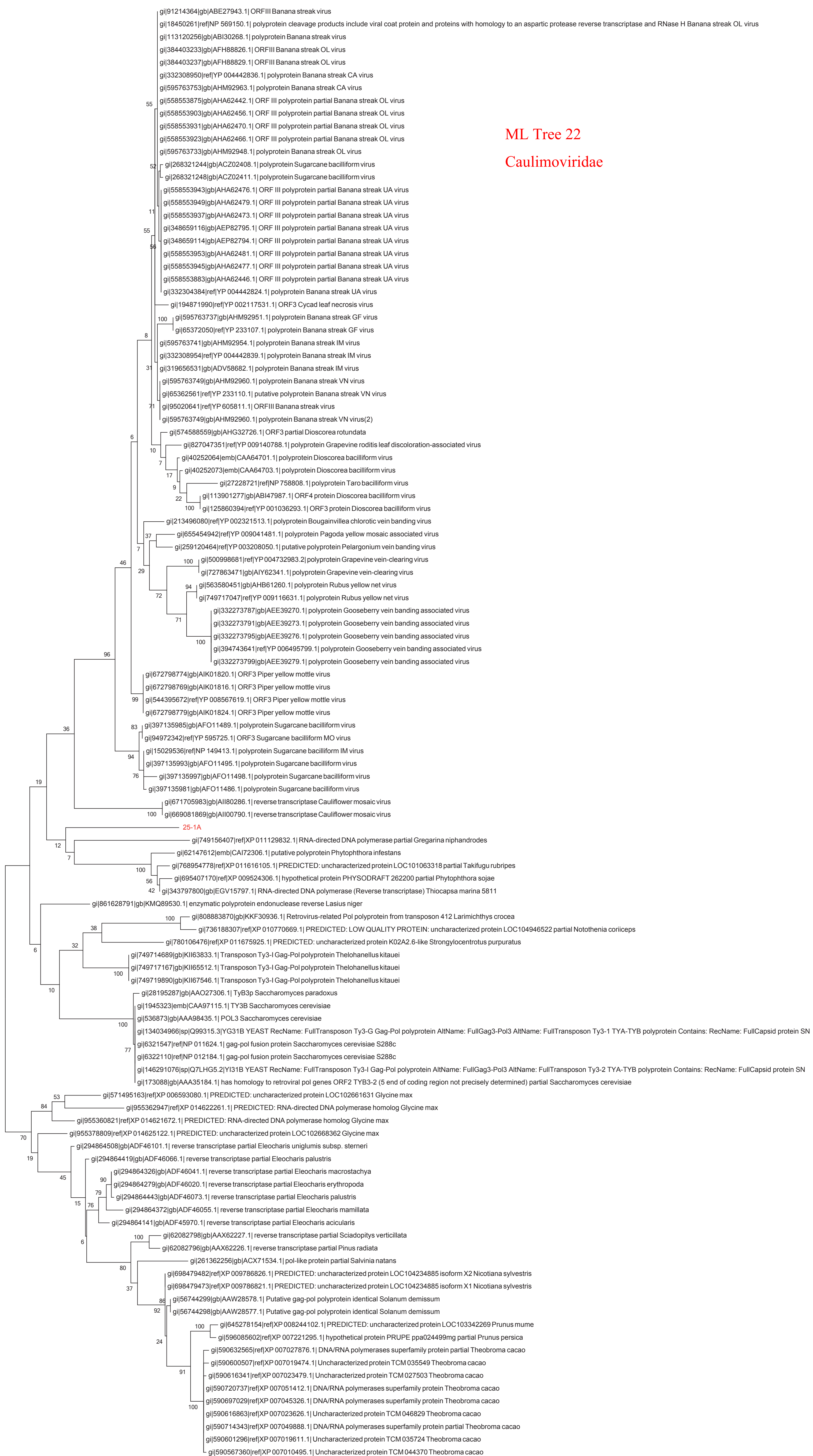


0.1

ML Tree 23
Bromoviridae

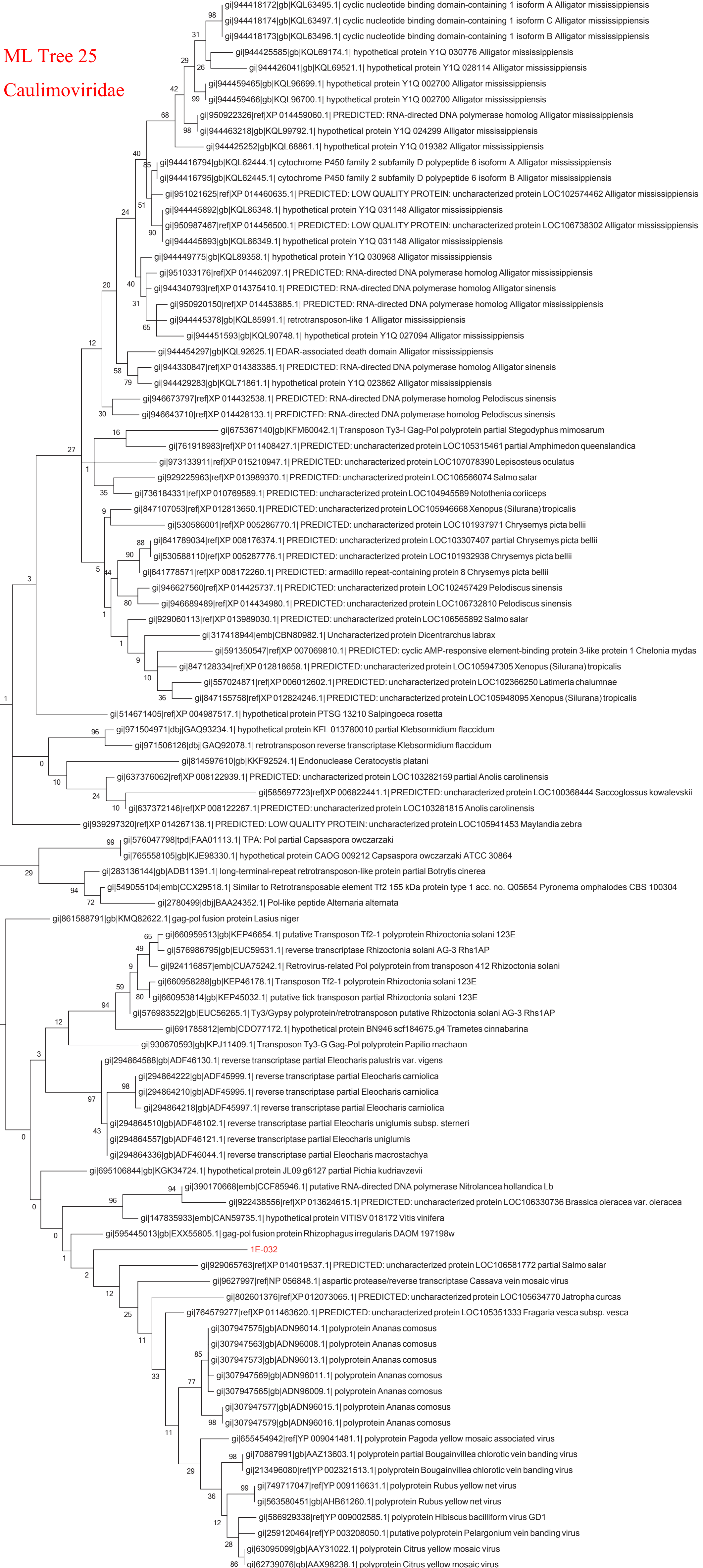


ML Tree 22
Caulimoviridae



ML Tree 25

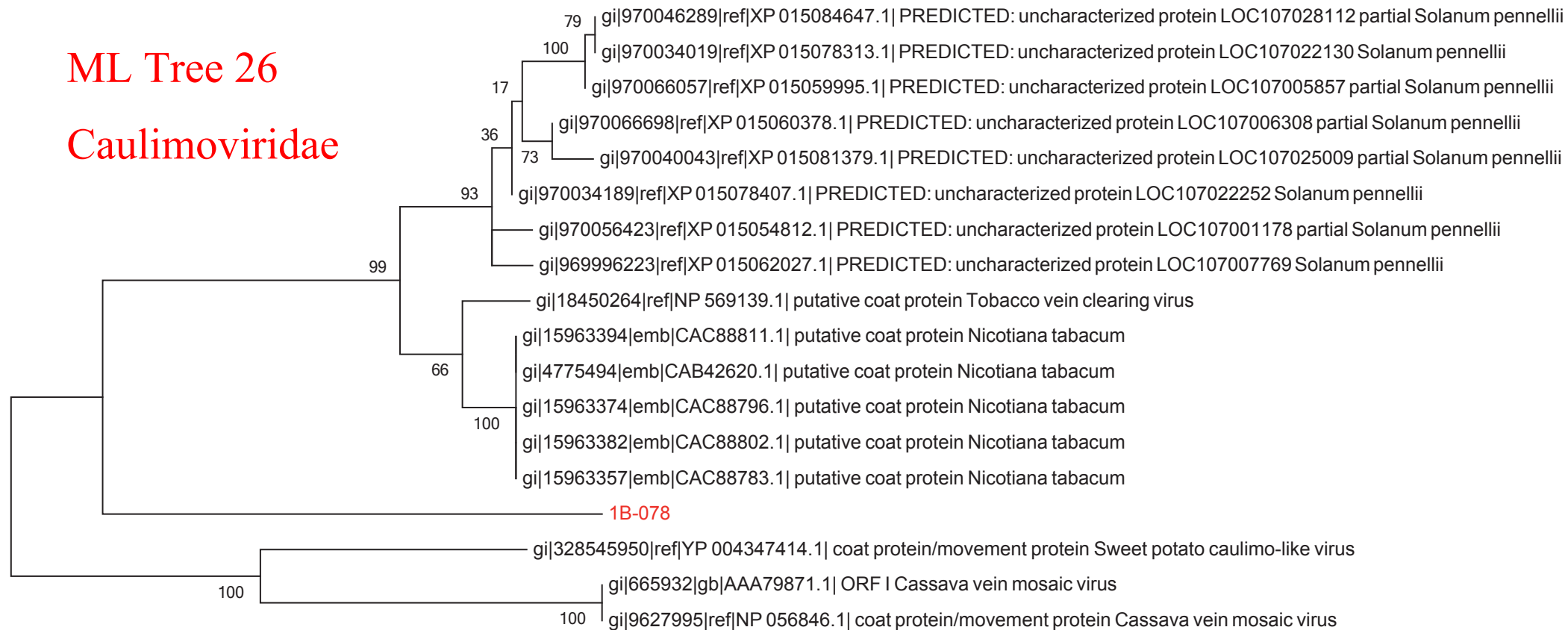
Caulimoviridae



0.2

ML Tree 26

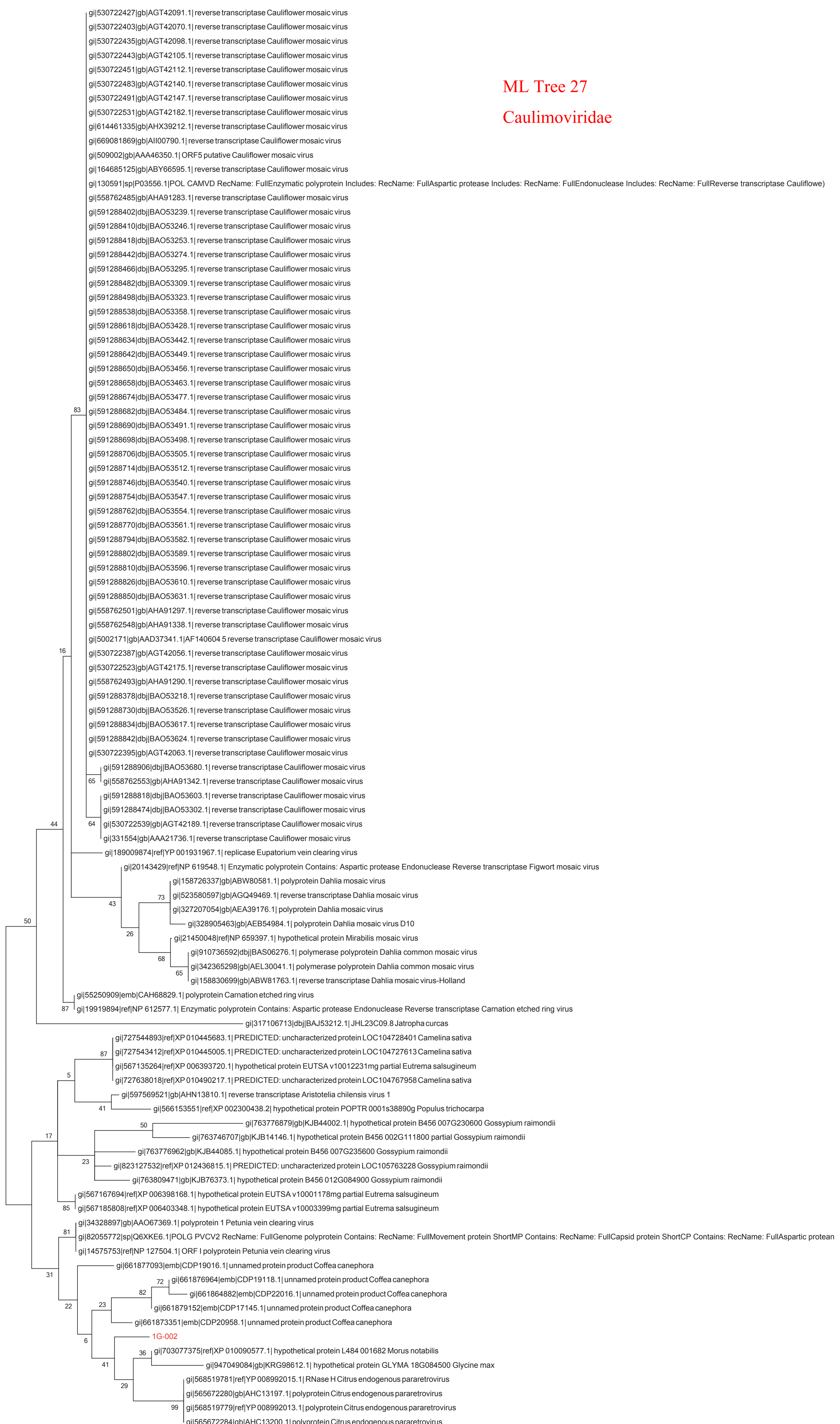
Caulimoviridae



0.2

ML Tree 27

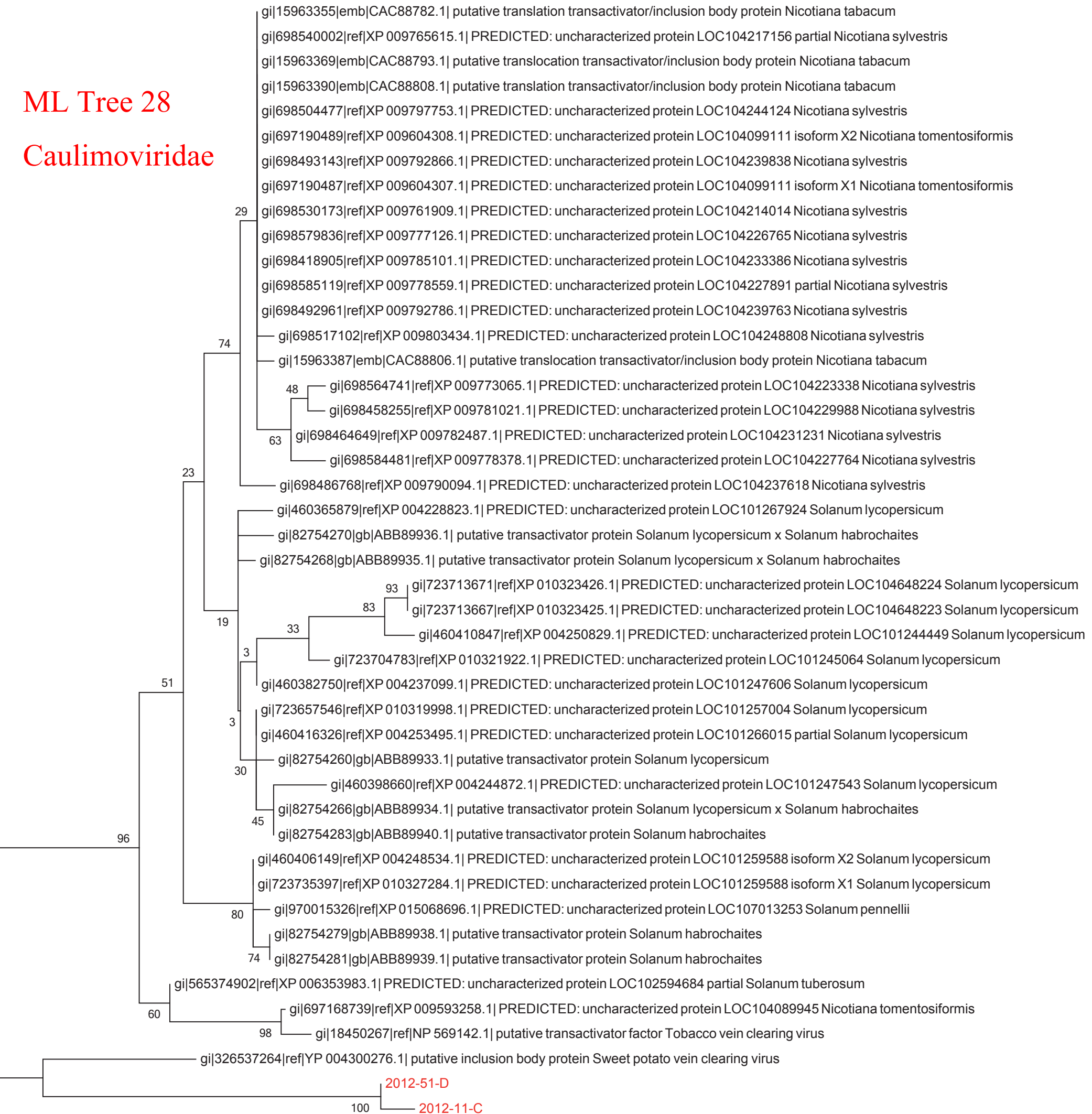
Caulimoviridae



0.1

ML Tree 28

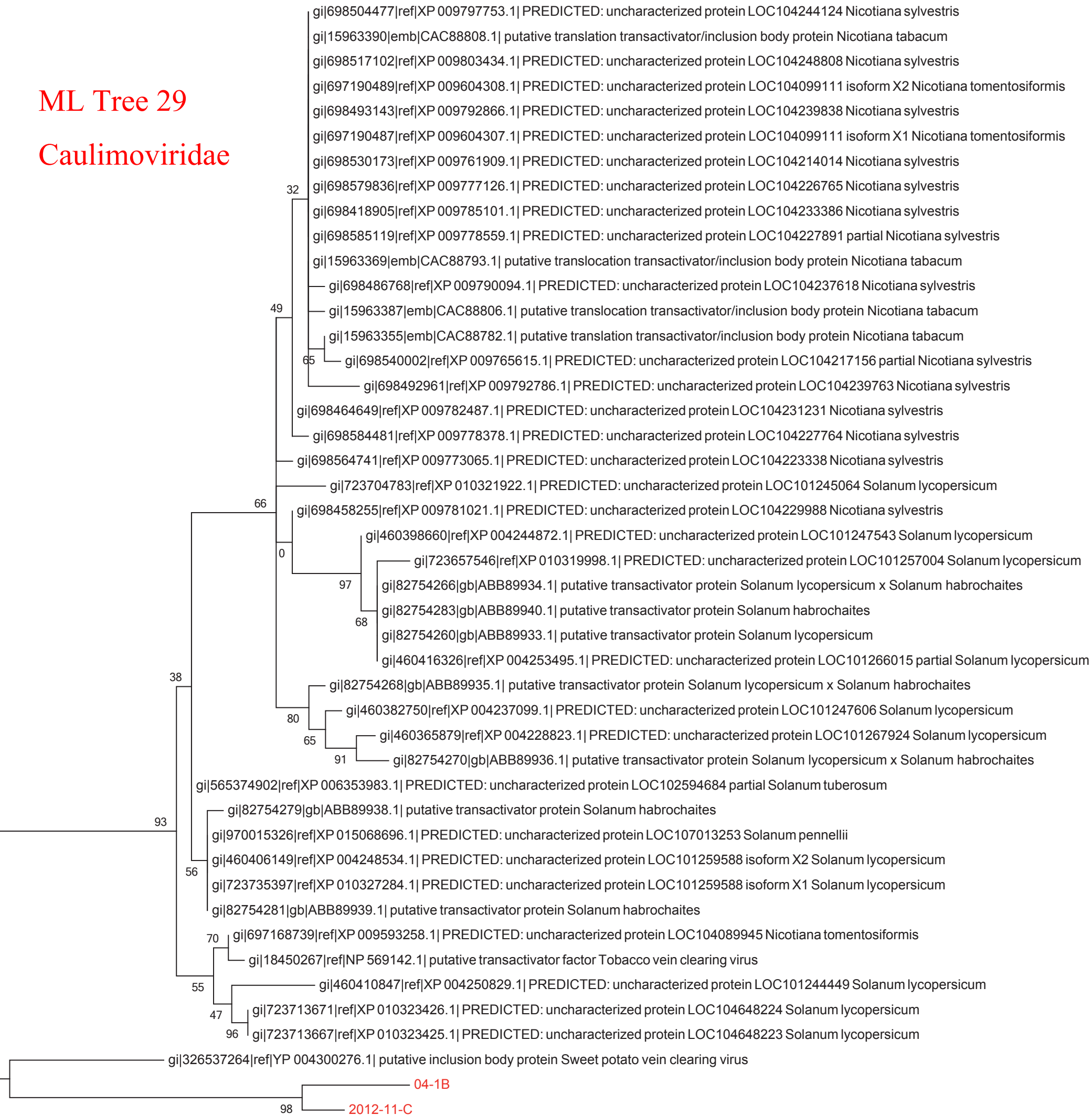
Caulimoviridae



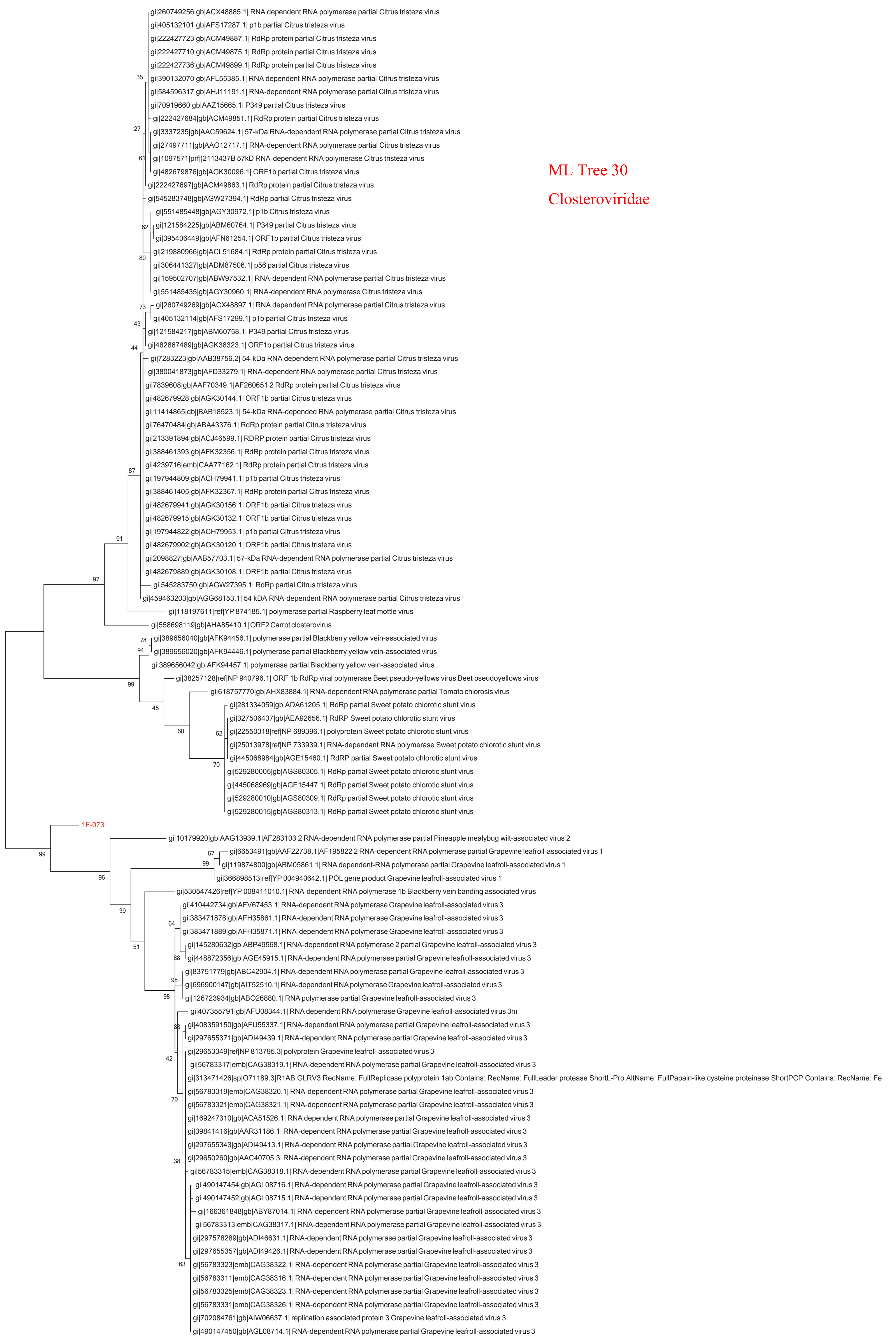
0.1

ML Tree 29

Caulimoviridae



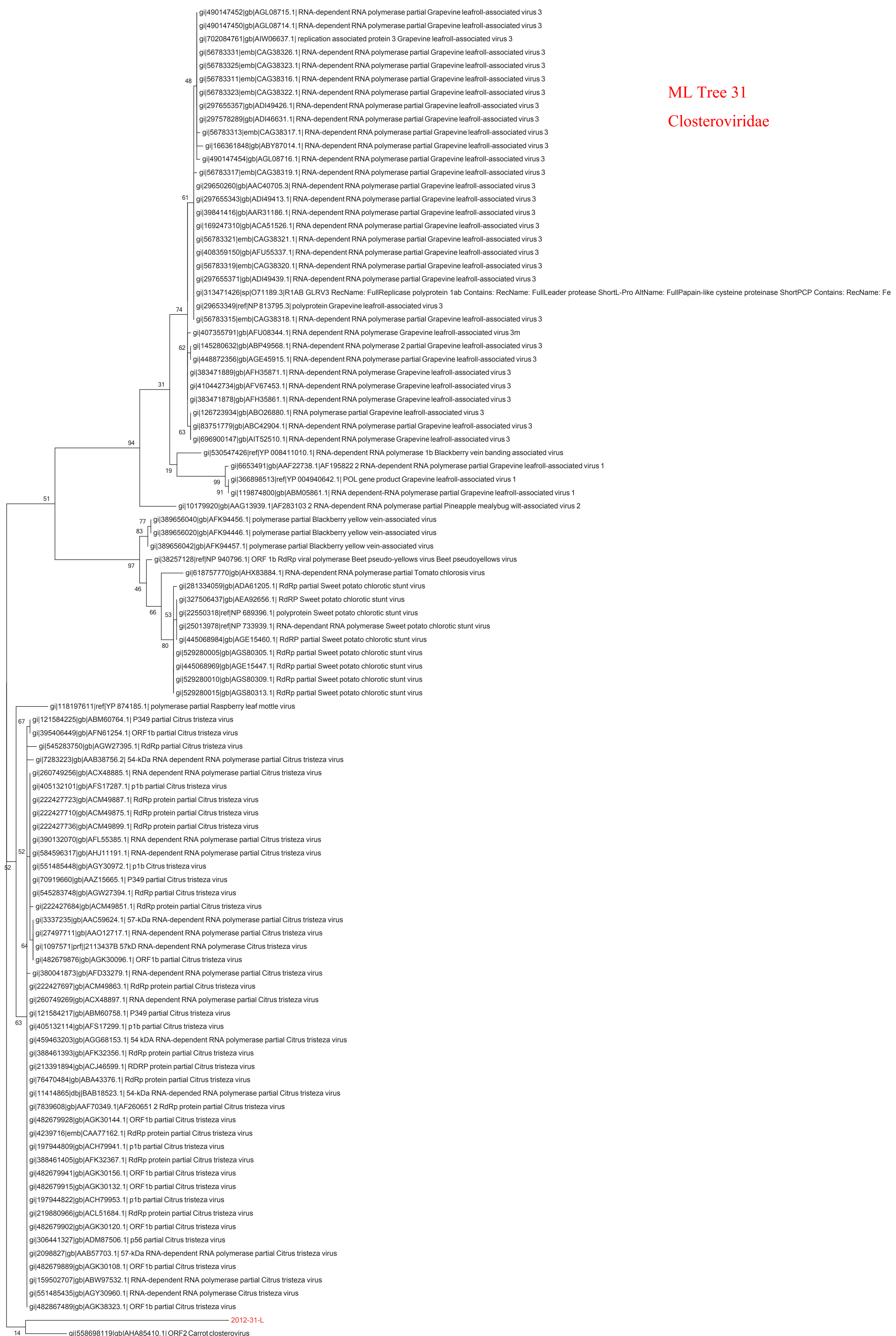
0.1



ML Tree 30
Closteroviridae

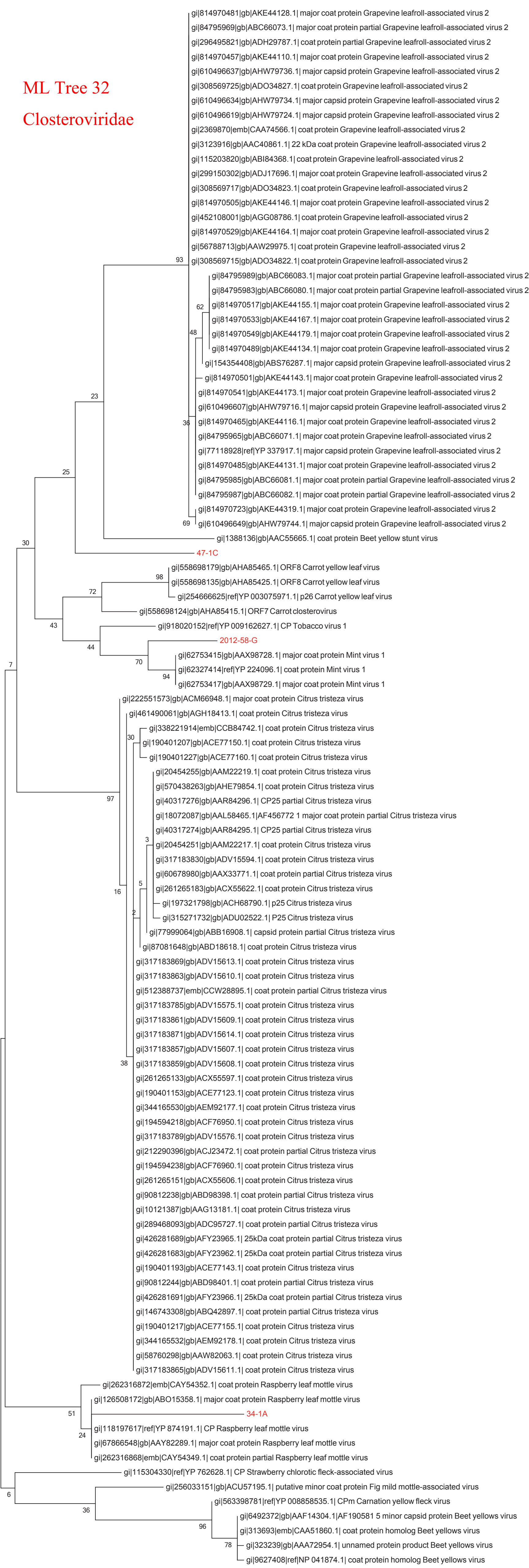
ML Tree 31

Closteroviridae



ML Tree 32

Closteroviridae



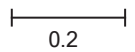
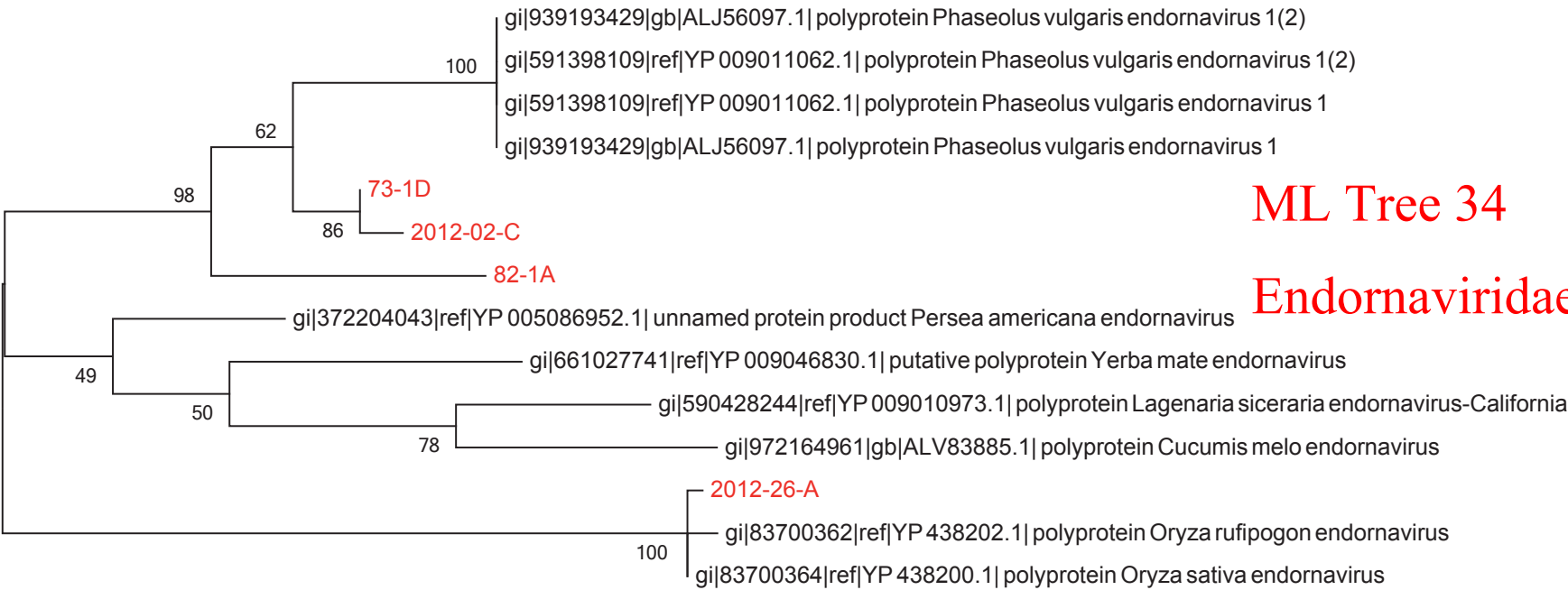


ML Tree 33
Closteroviridae

0.2

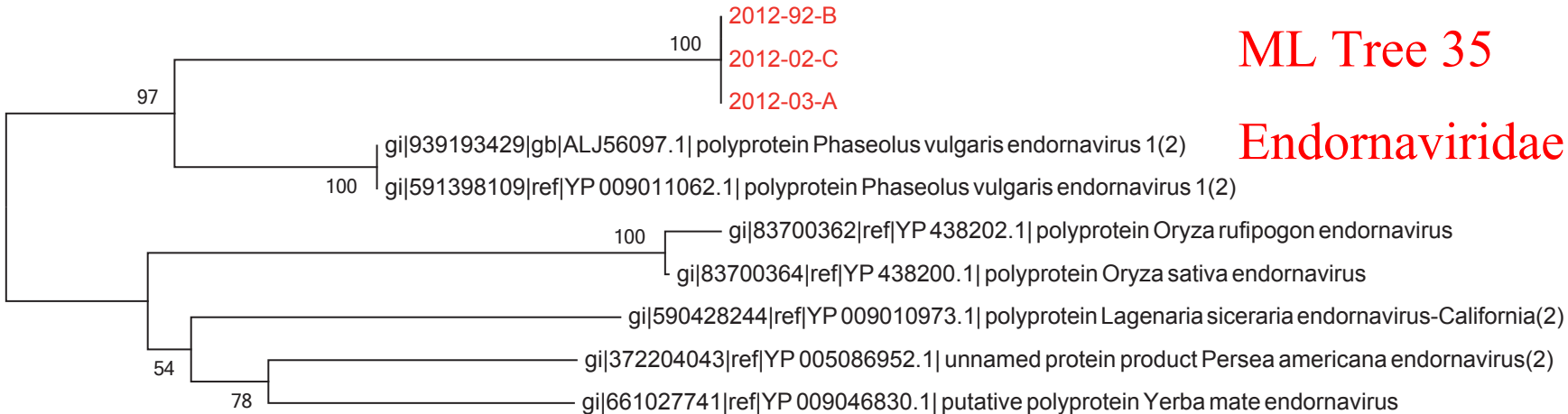
ML Tree 34

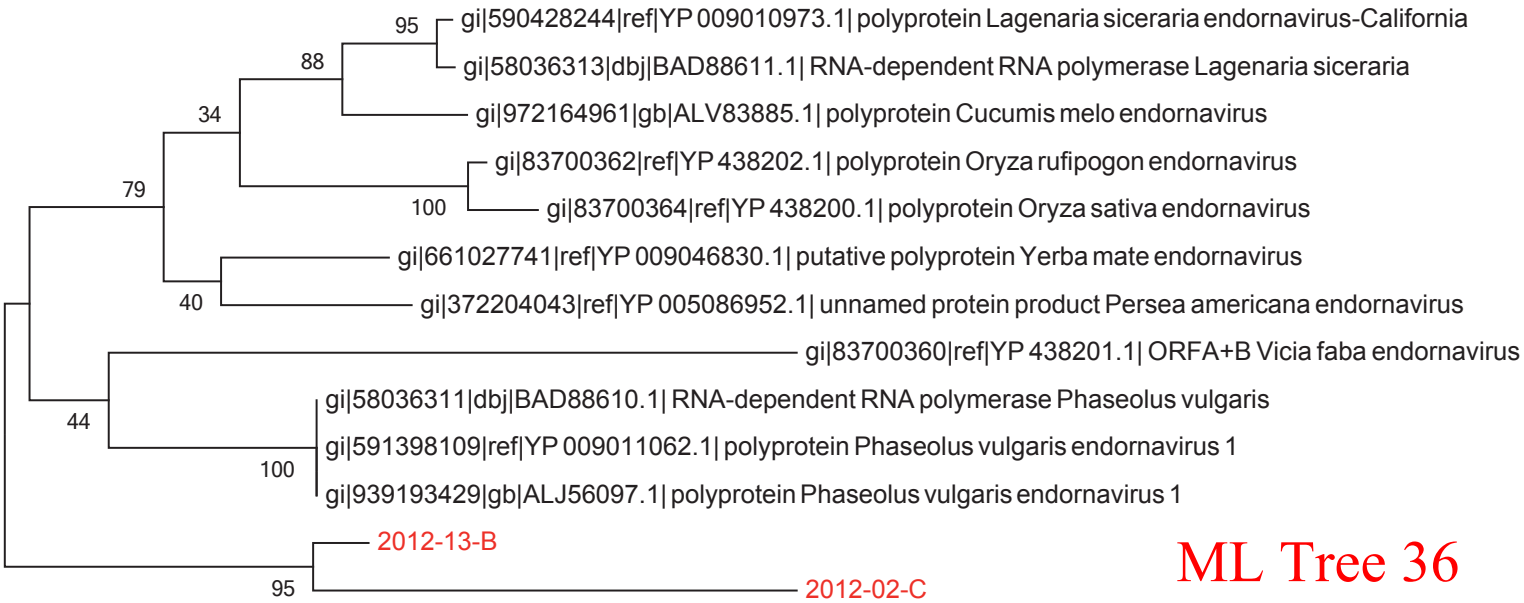
Endornaviridae



ML Tree 35

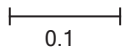
Endornaviridae





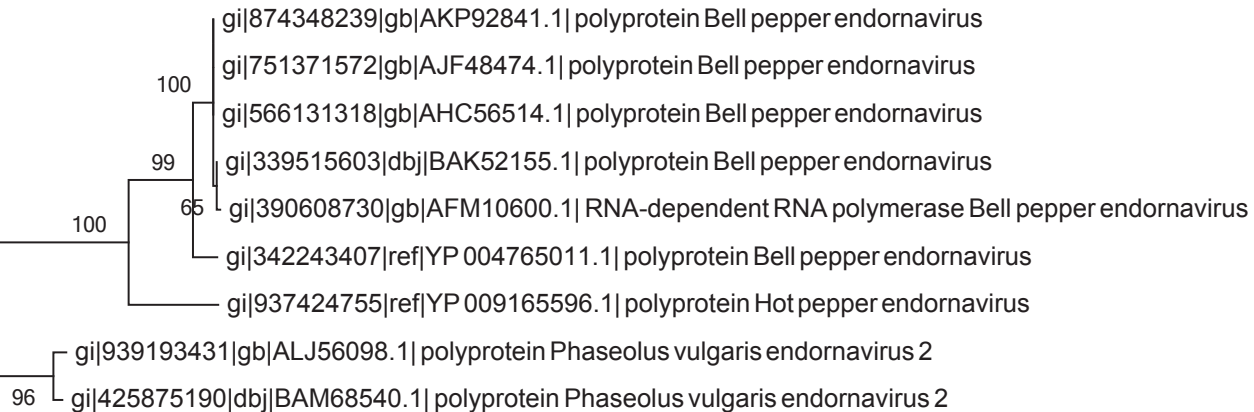
ML Tree 36

Endornaviridae



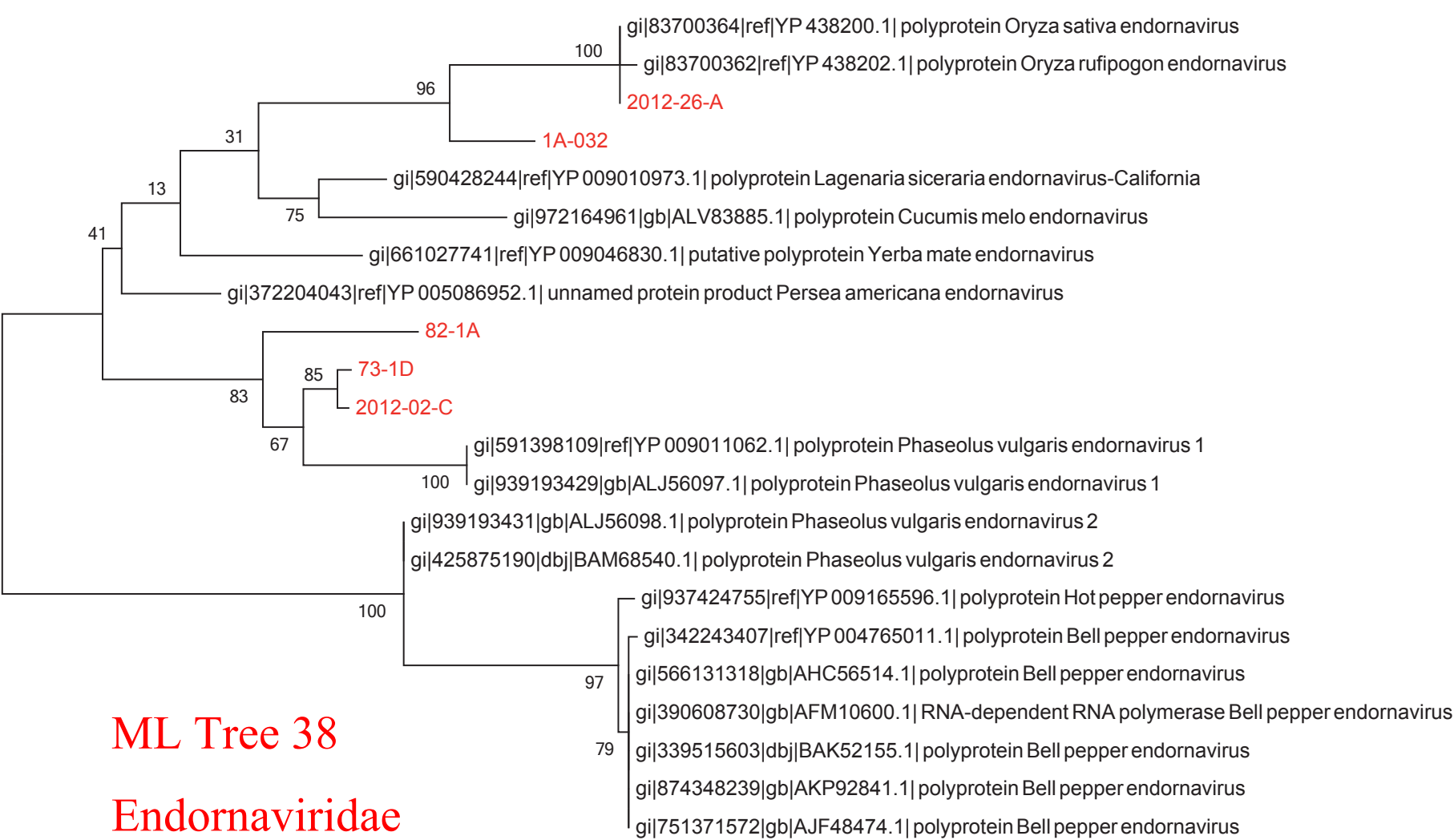
ML Tree 37

Endornaviridae

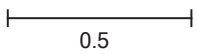


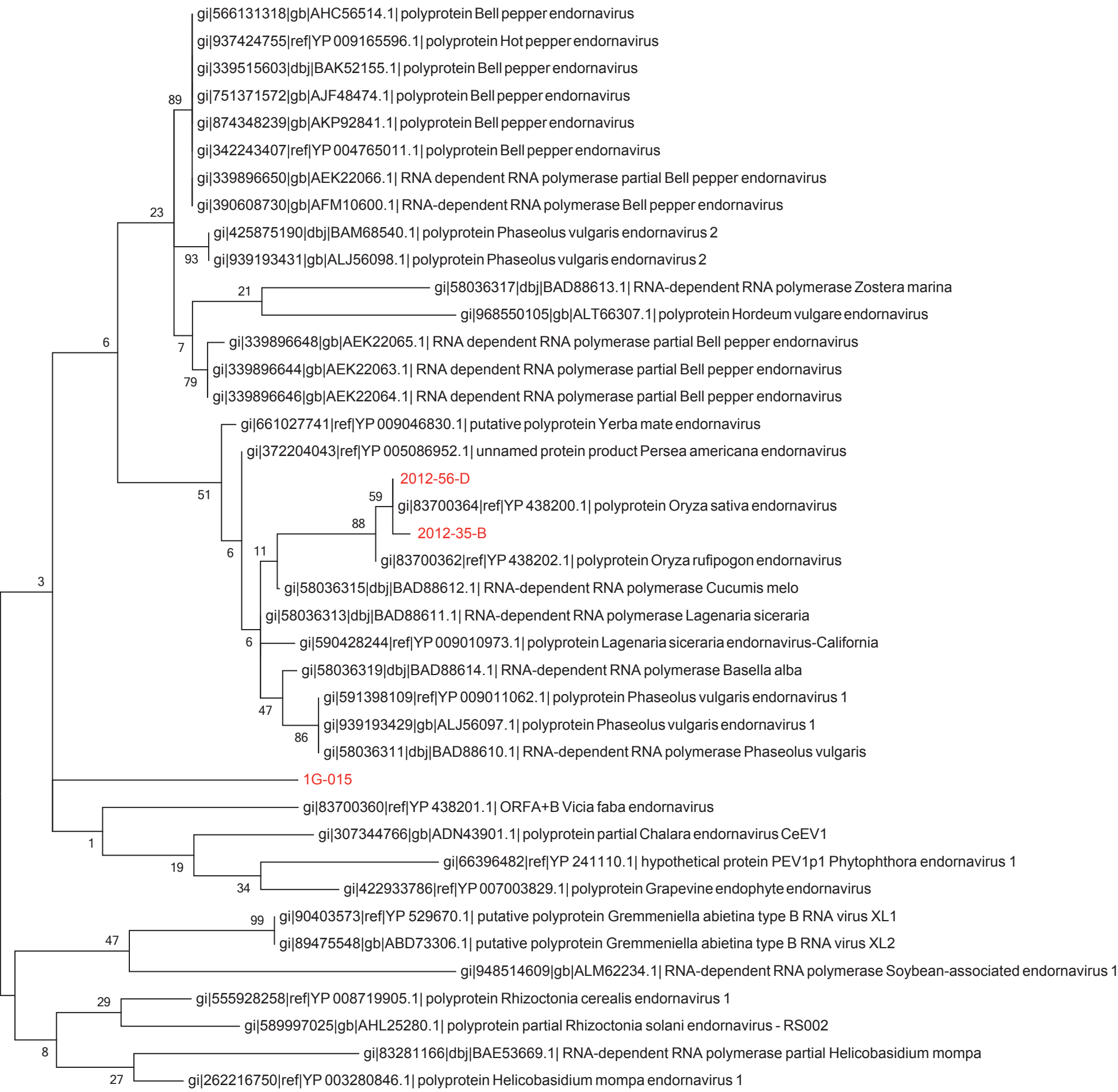
1F-011

0.2



ML Tree 38
 Endornaviridae

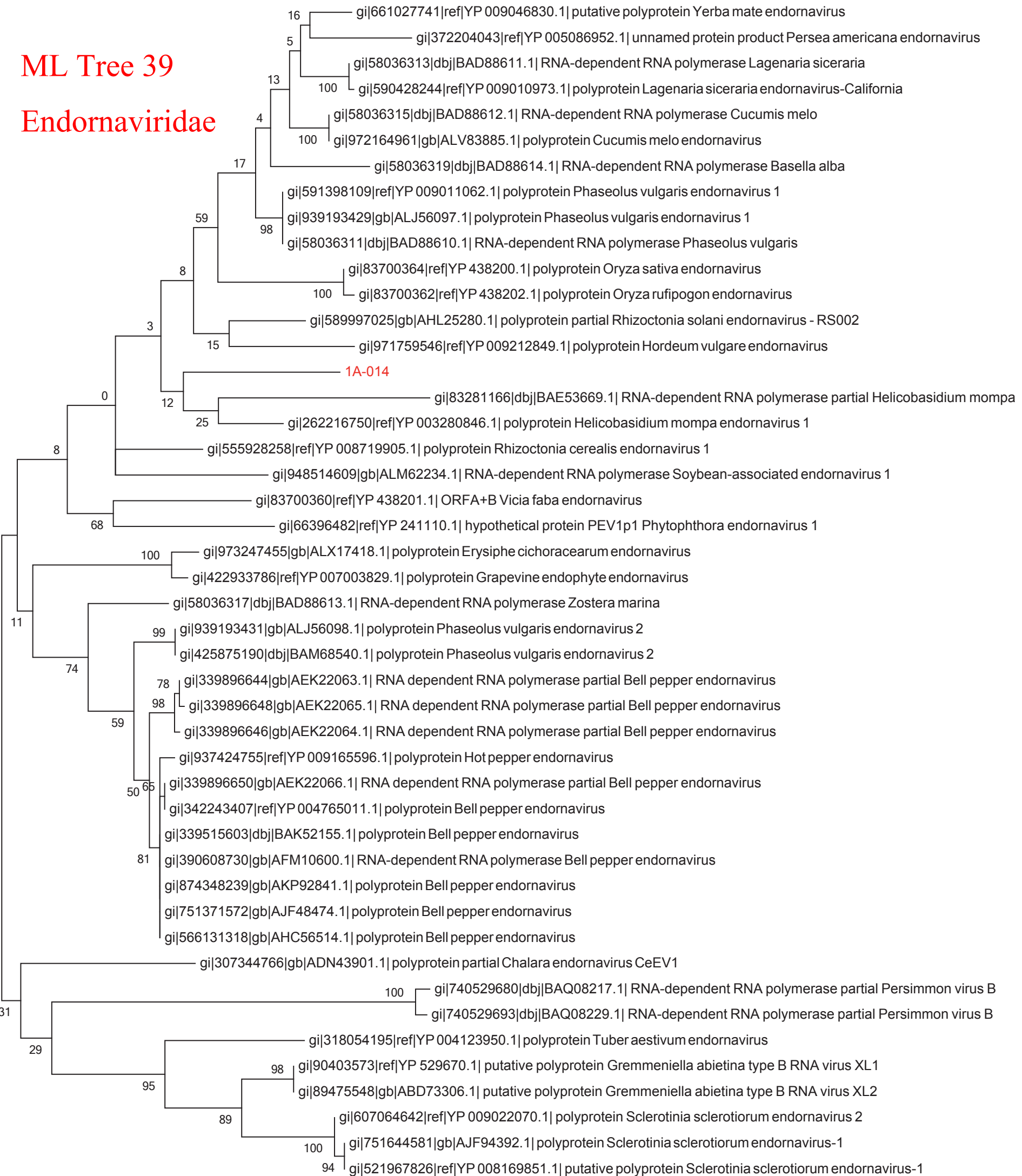




0.2

ML Tree 39

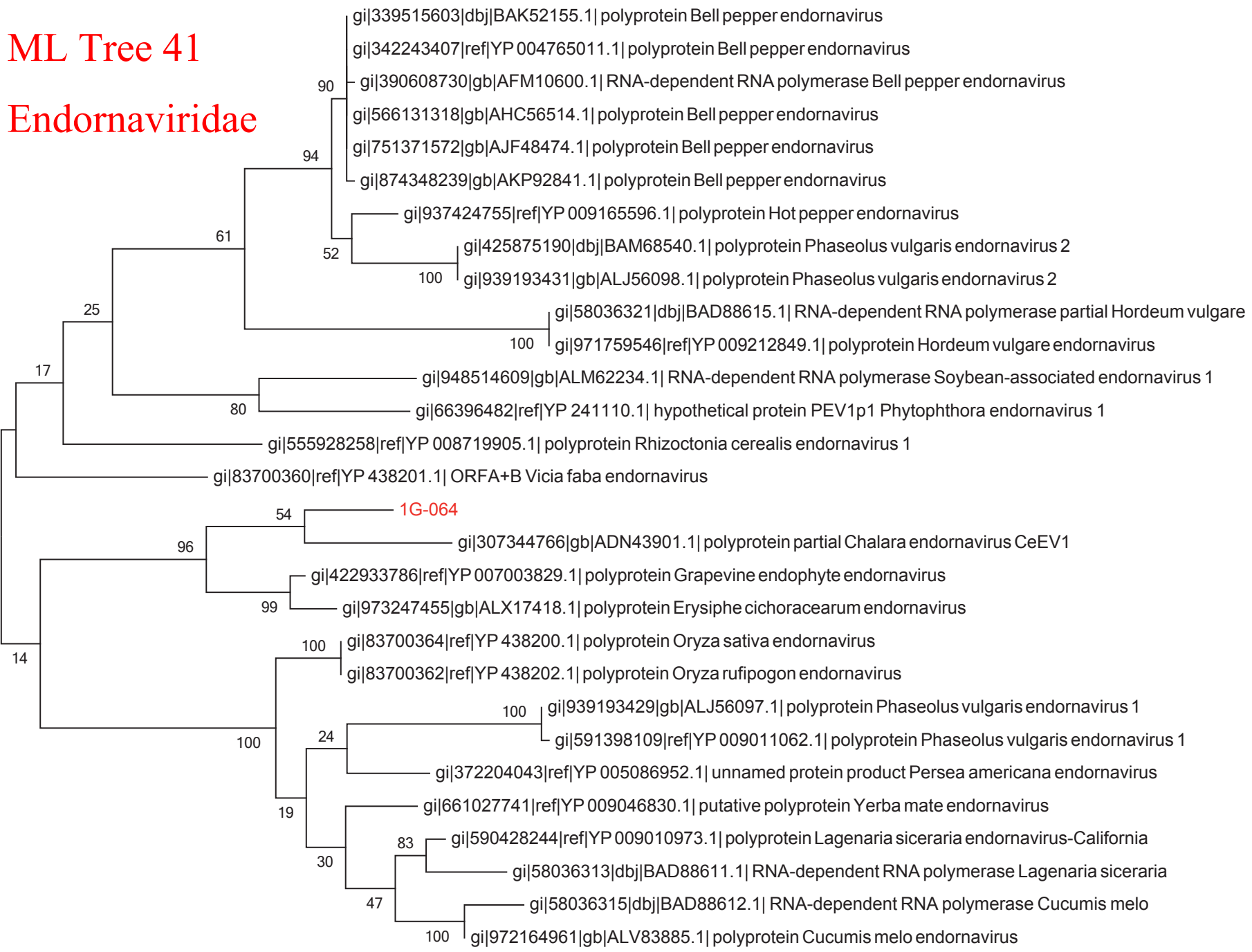
Endornaviridae



0.2

ML Tree 41

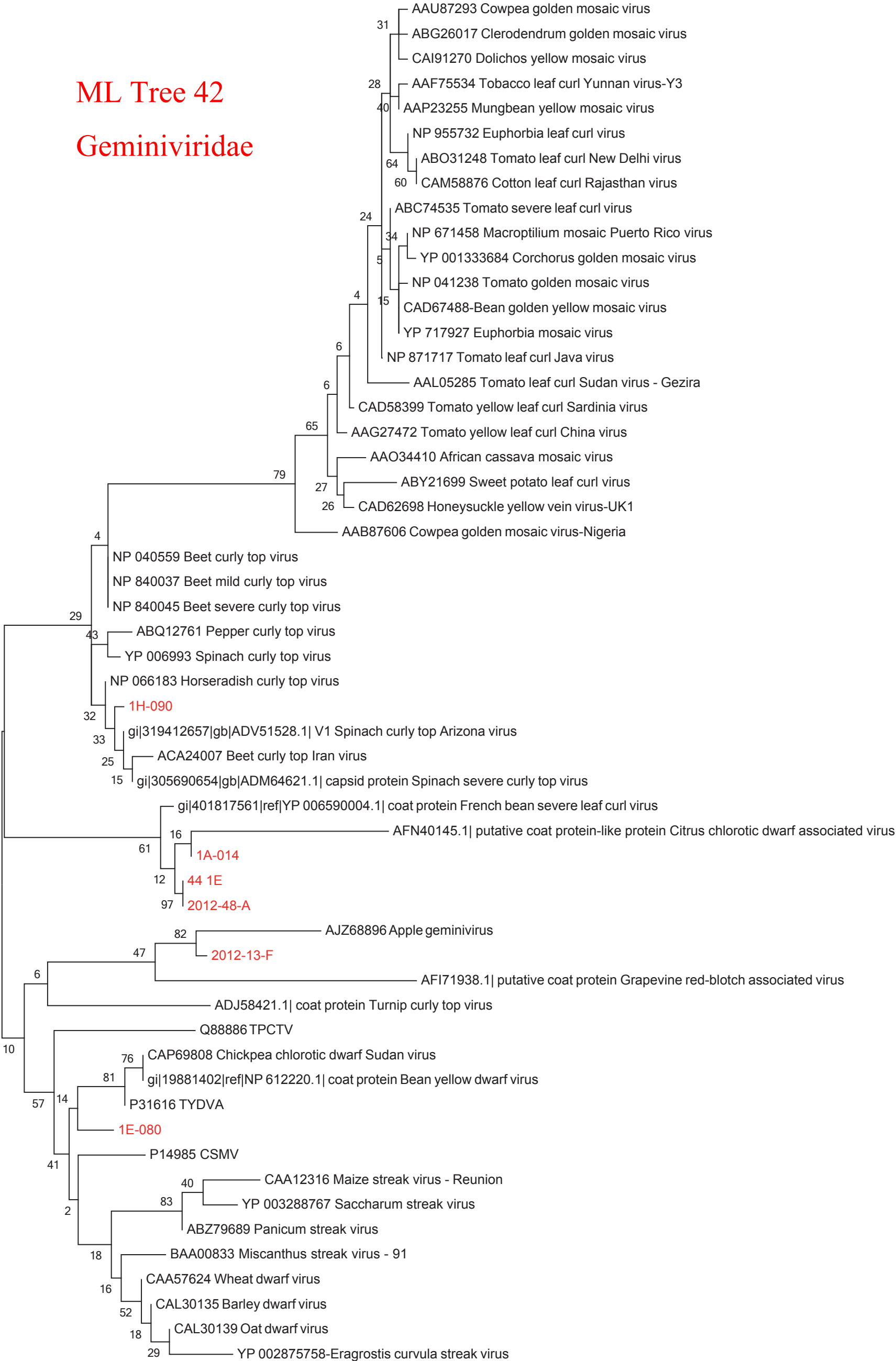
Endornaviridae



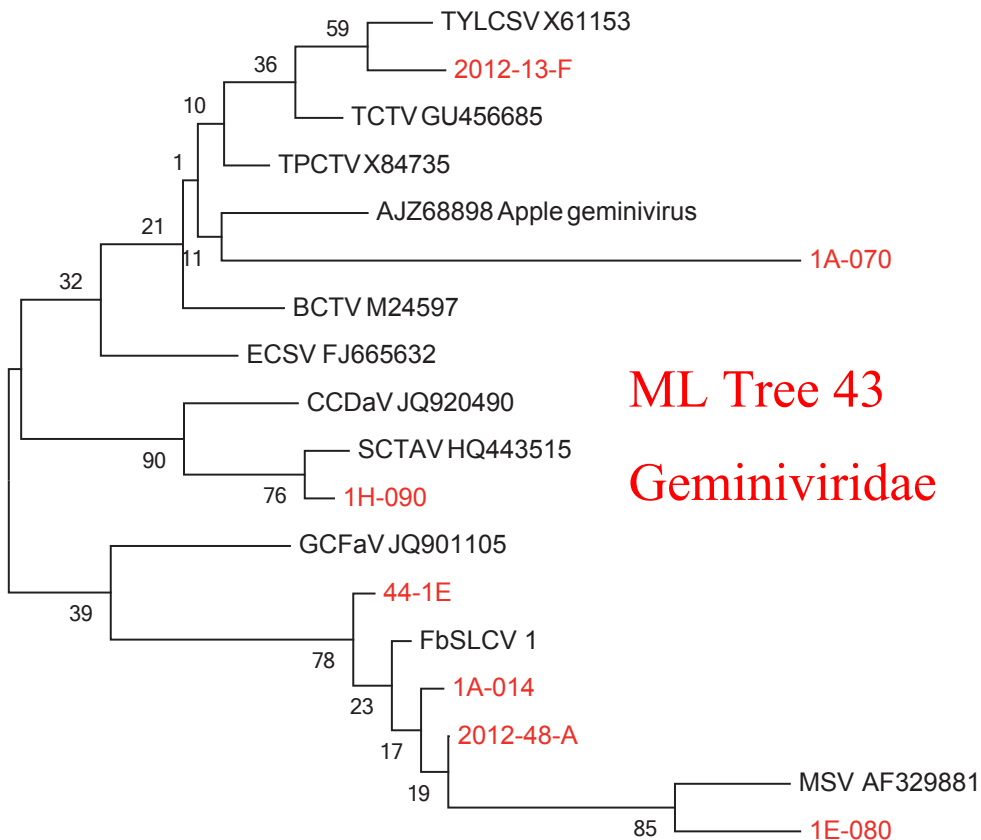
0.1

ML Tree 42

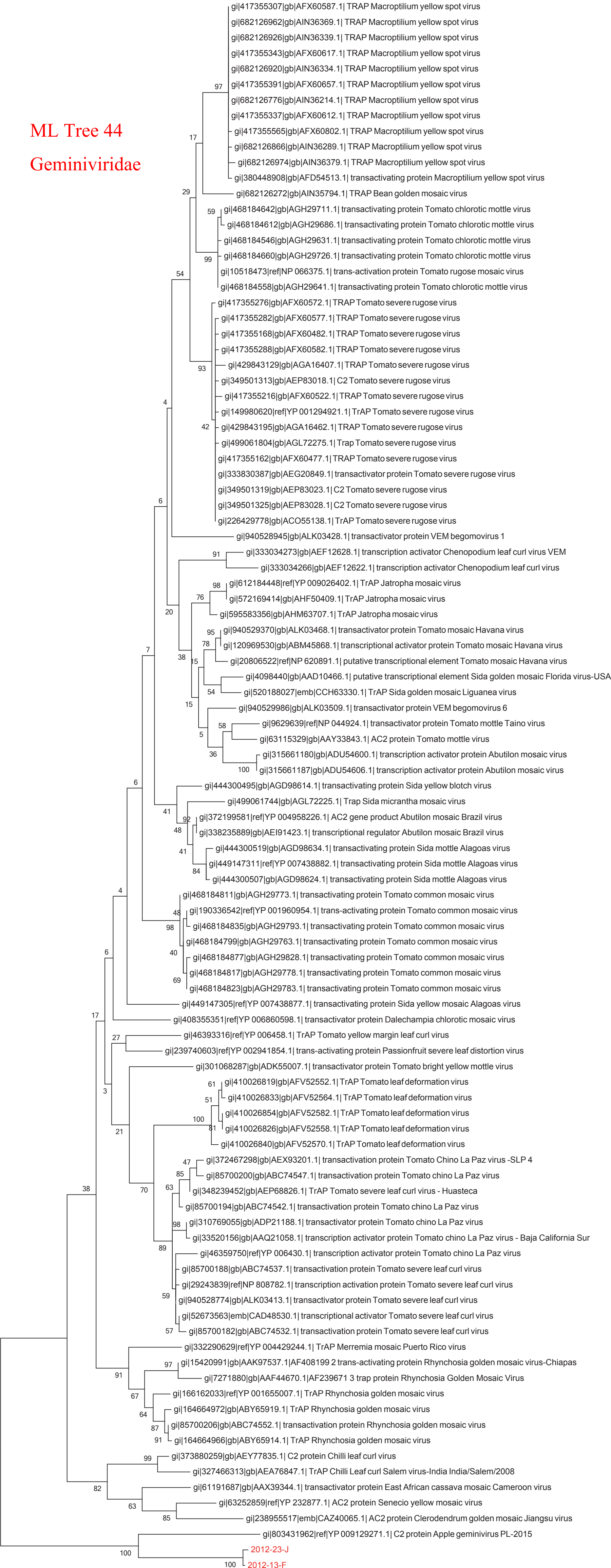
Geminiviridae



0.2



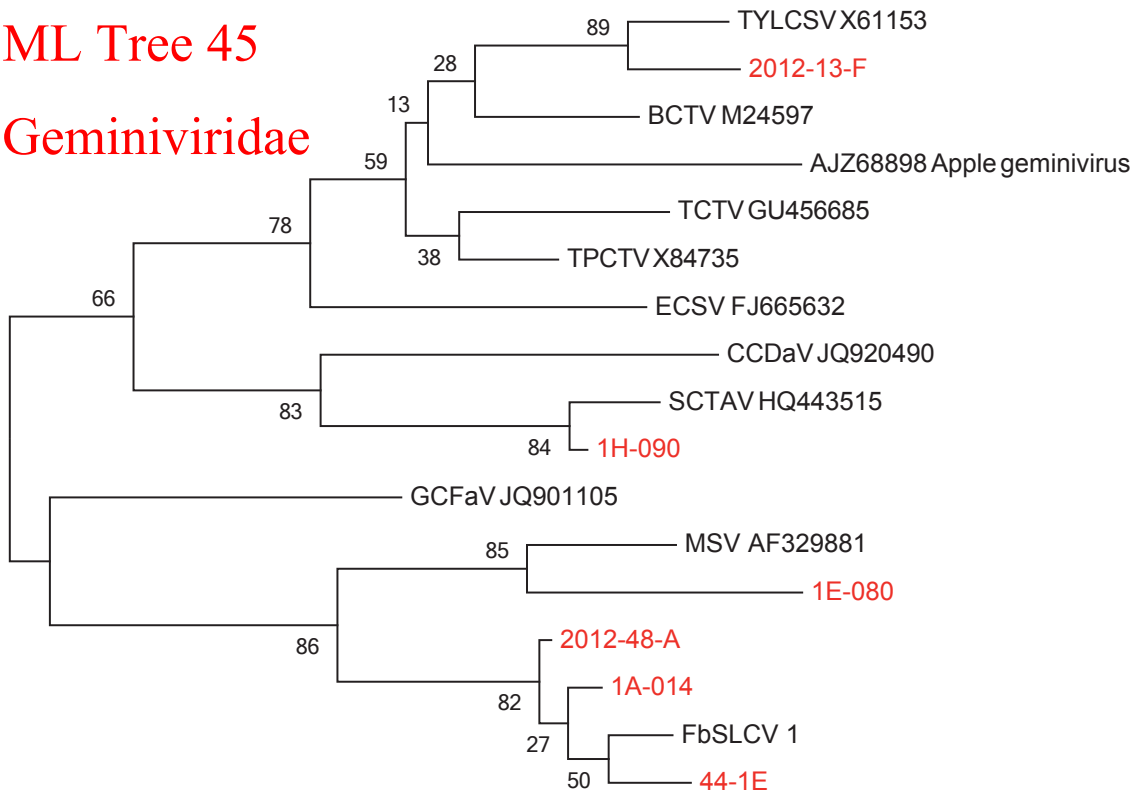
ML Tree 44
Geminiviridae



0.2

ML Tree 45

Geminiviridae



0.2

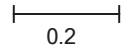
97 gi|448880175|ref|YP 667838.2| RNA-dependent RNA polymerase Chickpea chlorotic stunt virus
68 gi|68305028|gb|AAY90038.1| RNA-dependent RNA polymerase Chickpea chlorotic stunt virus
100 gi|336443579|gb|AEI55839.1| RNA dependent RNA polymerase Chickpea chlorotic stunt virus
2012-32-J 1

34-1D

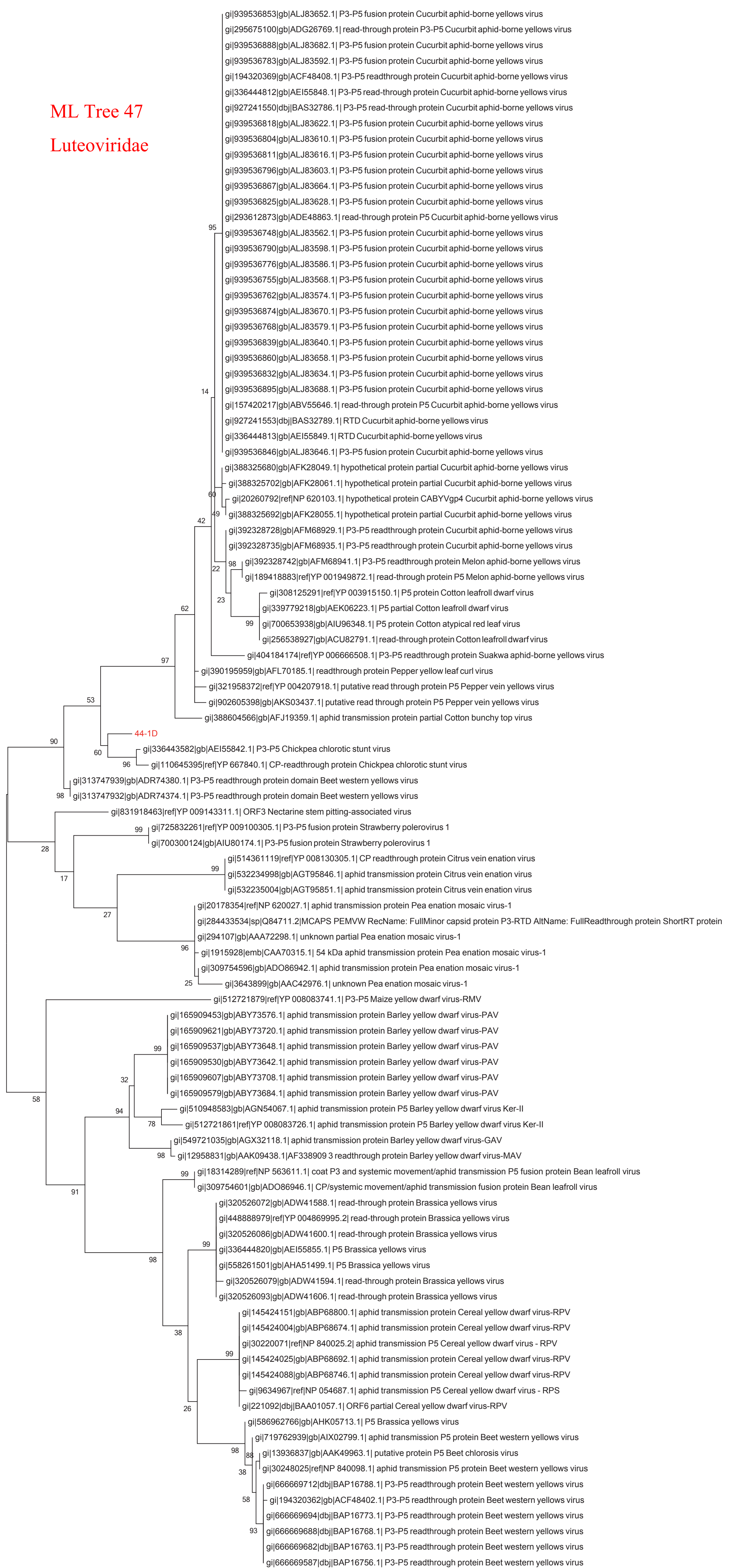
gi|110645394|ref|YP 667839.1| P1 protein Chickpea chlorotic stunt virus
83 gi|336443578|gb|AEI55838.1| P1 Chickpea chlorotic stunt virus

ML Tree 46

Luteoviridae

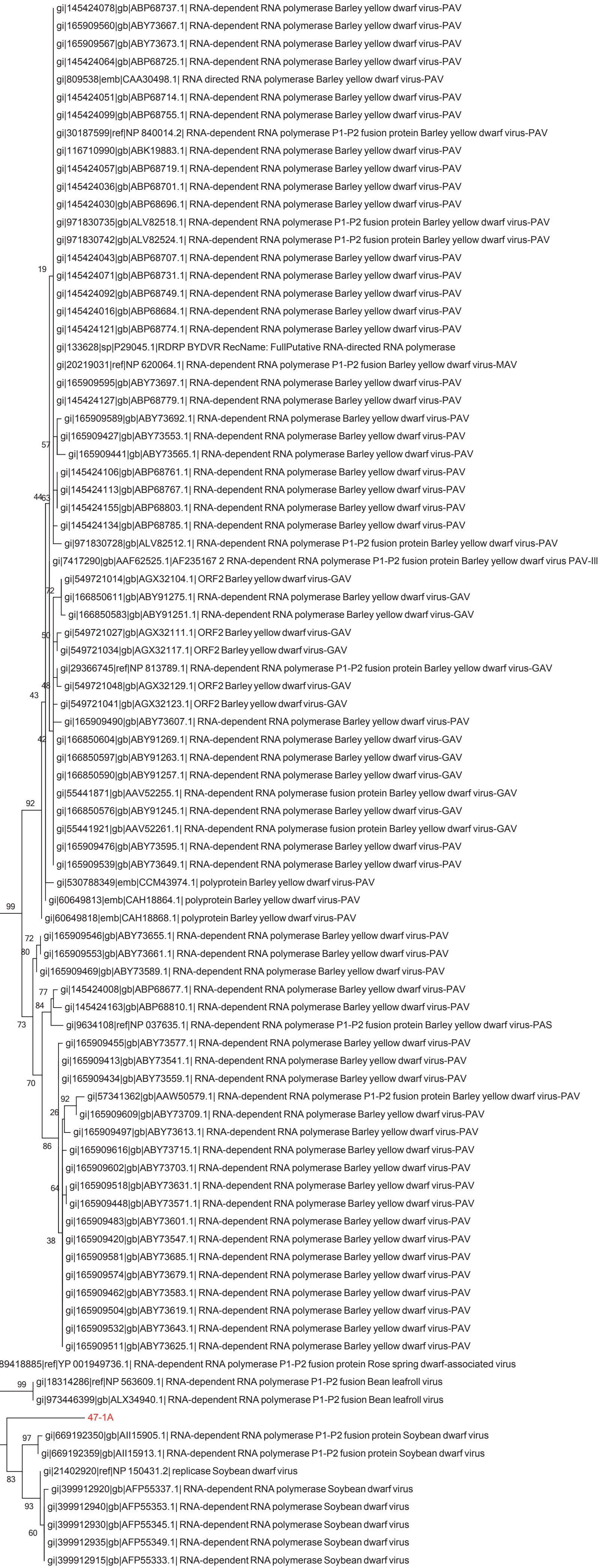


ML Tree 47
Luteoviridae



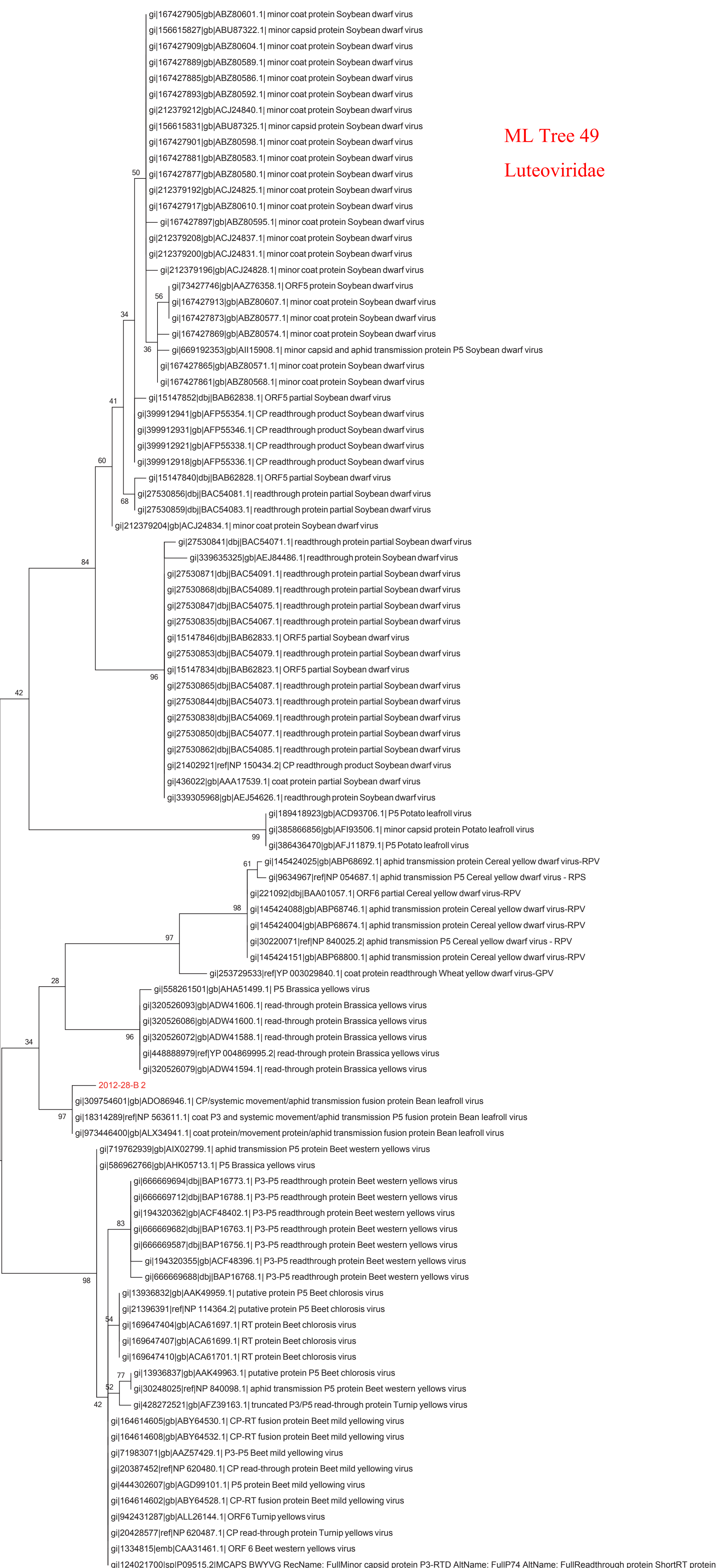
0.2

ML Tree 48
Luteoviridae



0.2

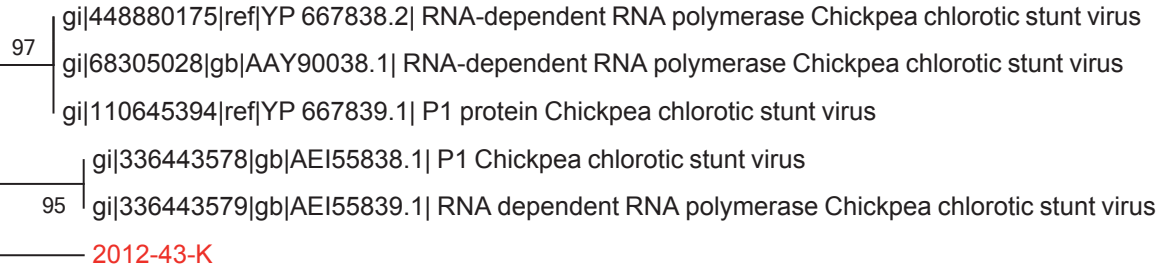
ML Tree 49
Luteoviridae



0.05

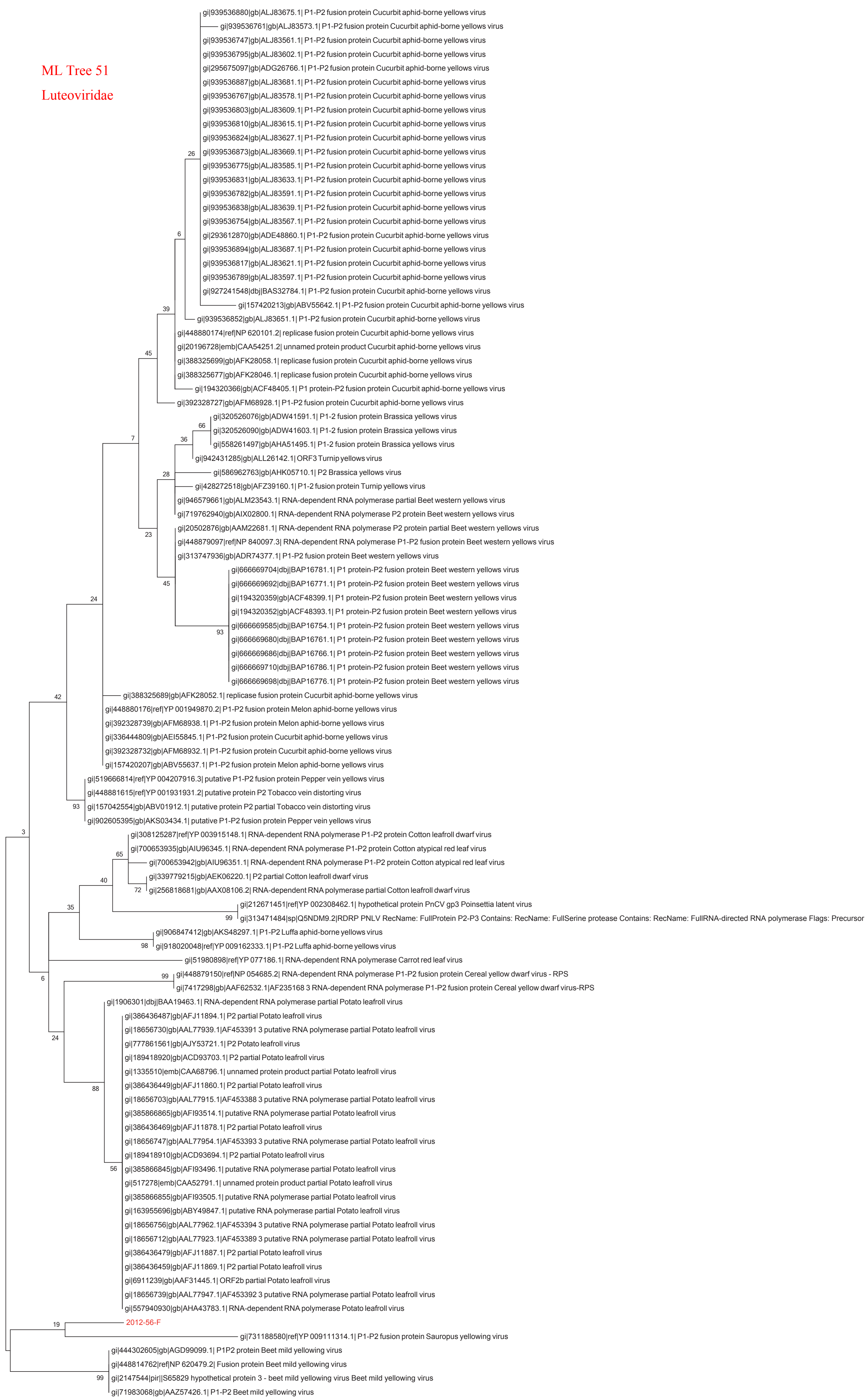
ML Tree 50

Luteoviridae



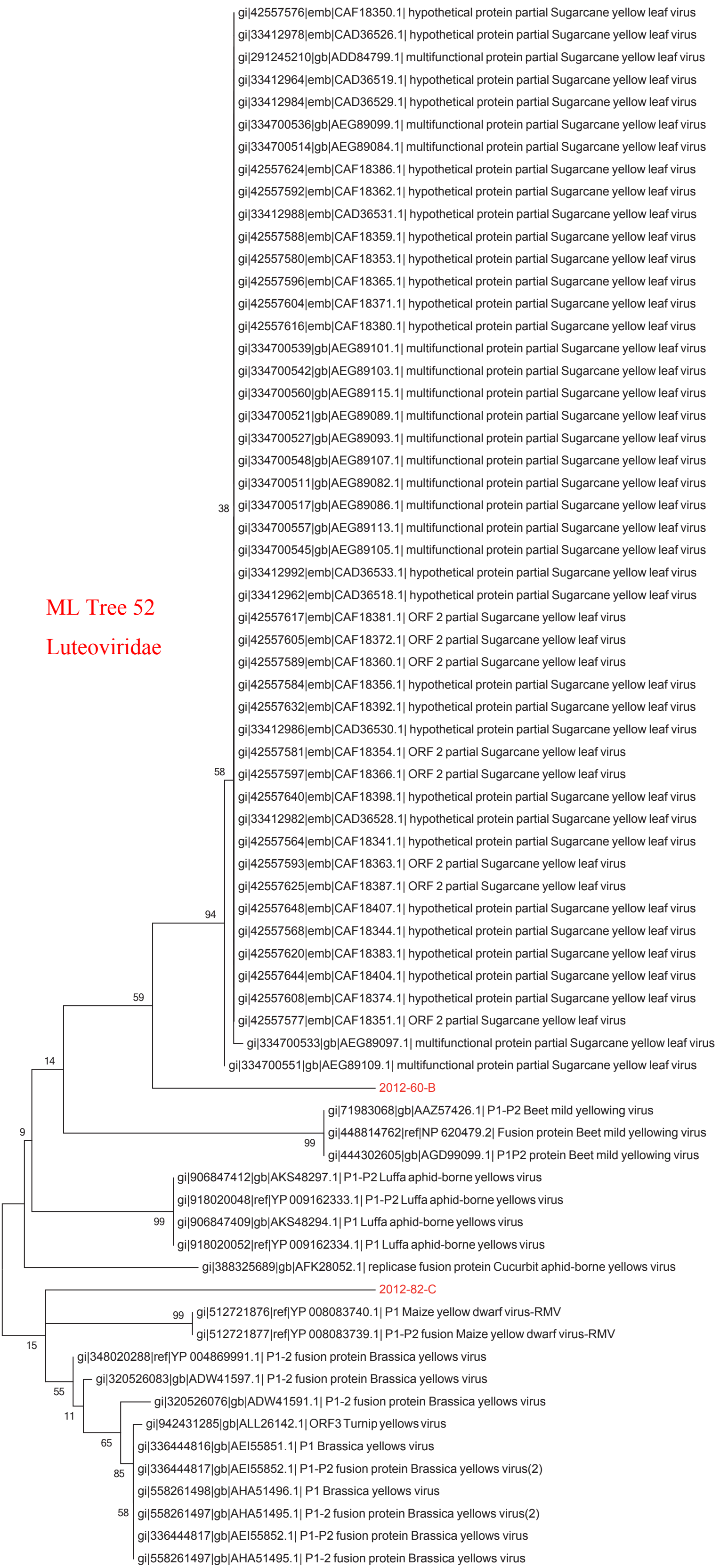
0.05

ML Tree 51
Luteoviridae



0.05

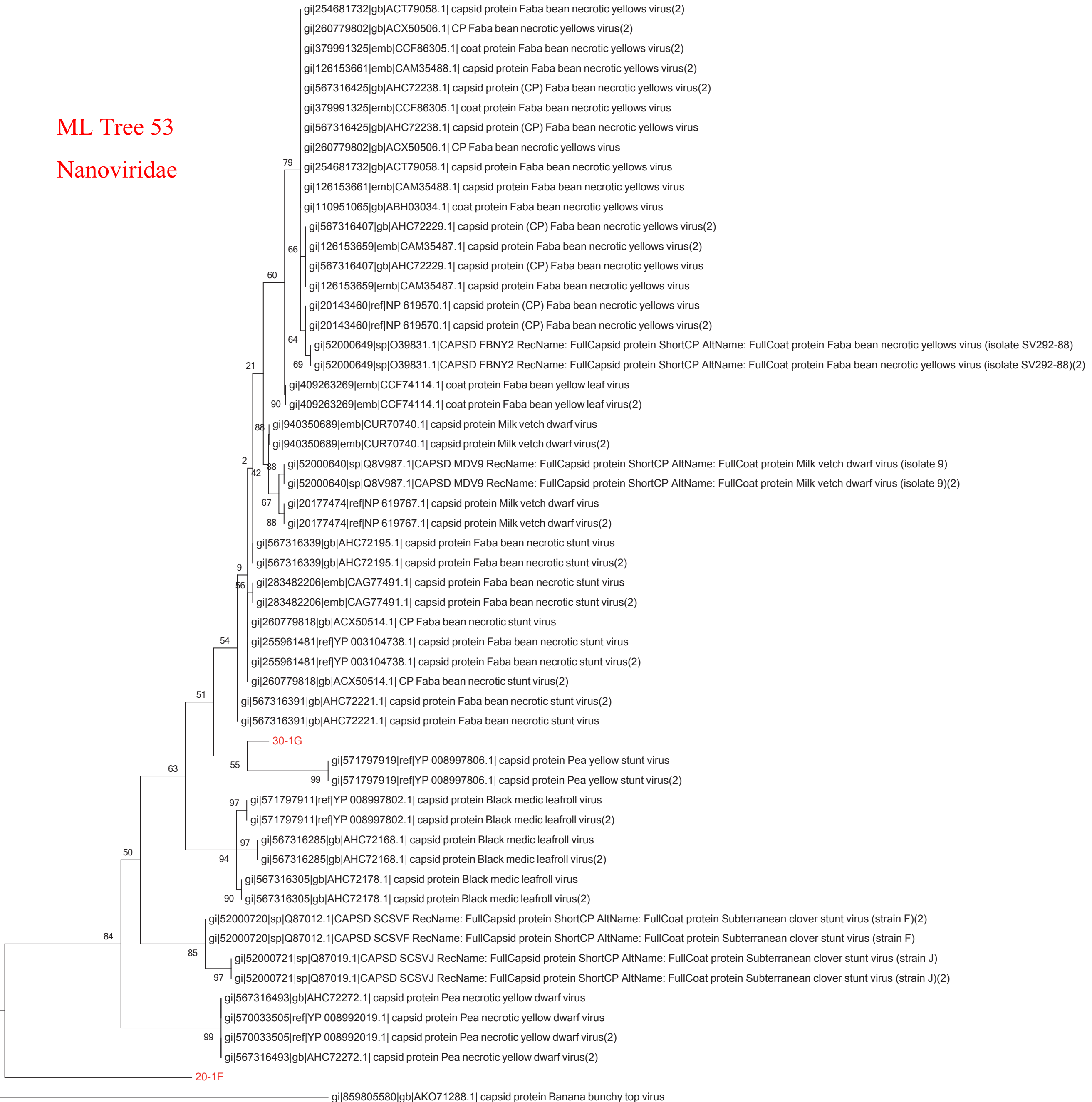
ML Tree 52
Luteoviridae



0.1

ML Tree 53

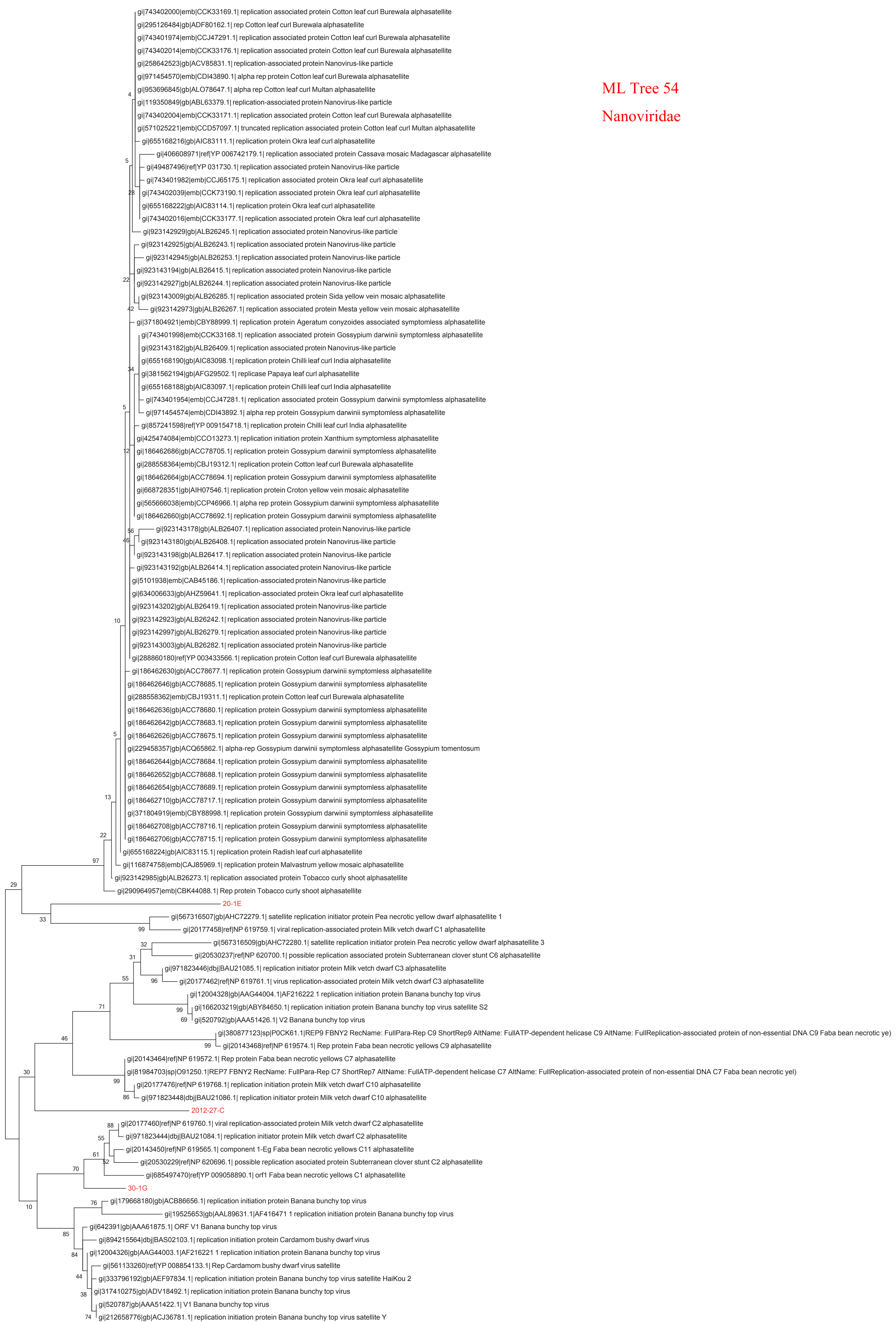
Nanoviridae



0.2

ML Tree 54

Nanoviridae



0.1

ML Tree 55

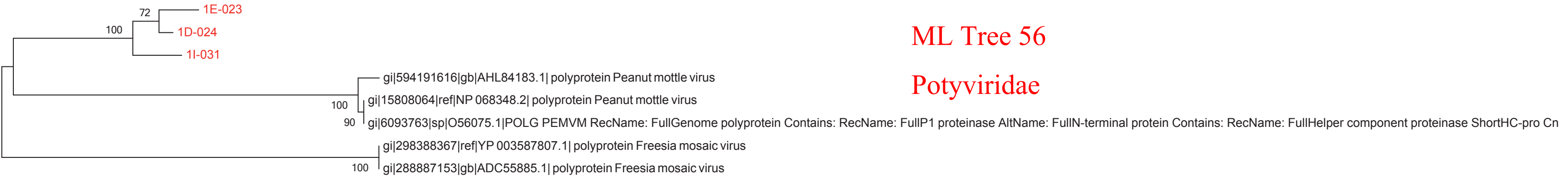
Potyviridae



0.1

ML Tree 56

Potyviridae



0.05

ML Tree 57

Potyviridae

100

gi|803431957|ref|YP_009129267.1| polyprotein Artichoke latent virus

gi|772519984|gb|AJW83675.1| polyprotein Artichoke latent virus

gi|567319615|gb|AHC72297.1| polyprotein Artichoke latent virus

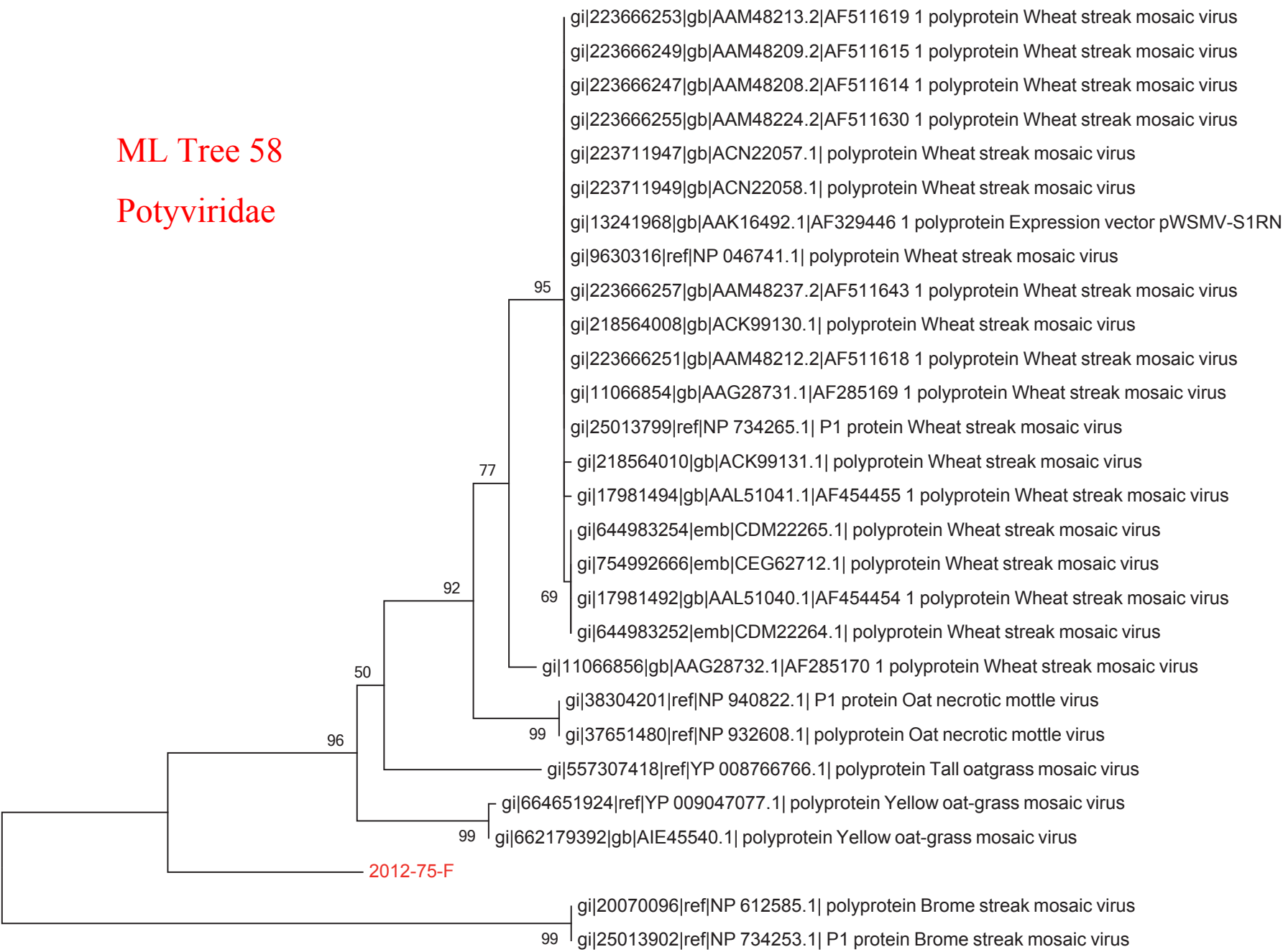
gi|313678123|gb|ADR74229.1| polyprotein partial Ranunculus latent virus

2012-58-C

gi|745788243|gb|AJD23391.1| polyprotein Chinese yam necrotic mosaic virus

0.1

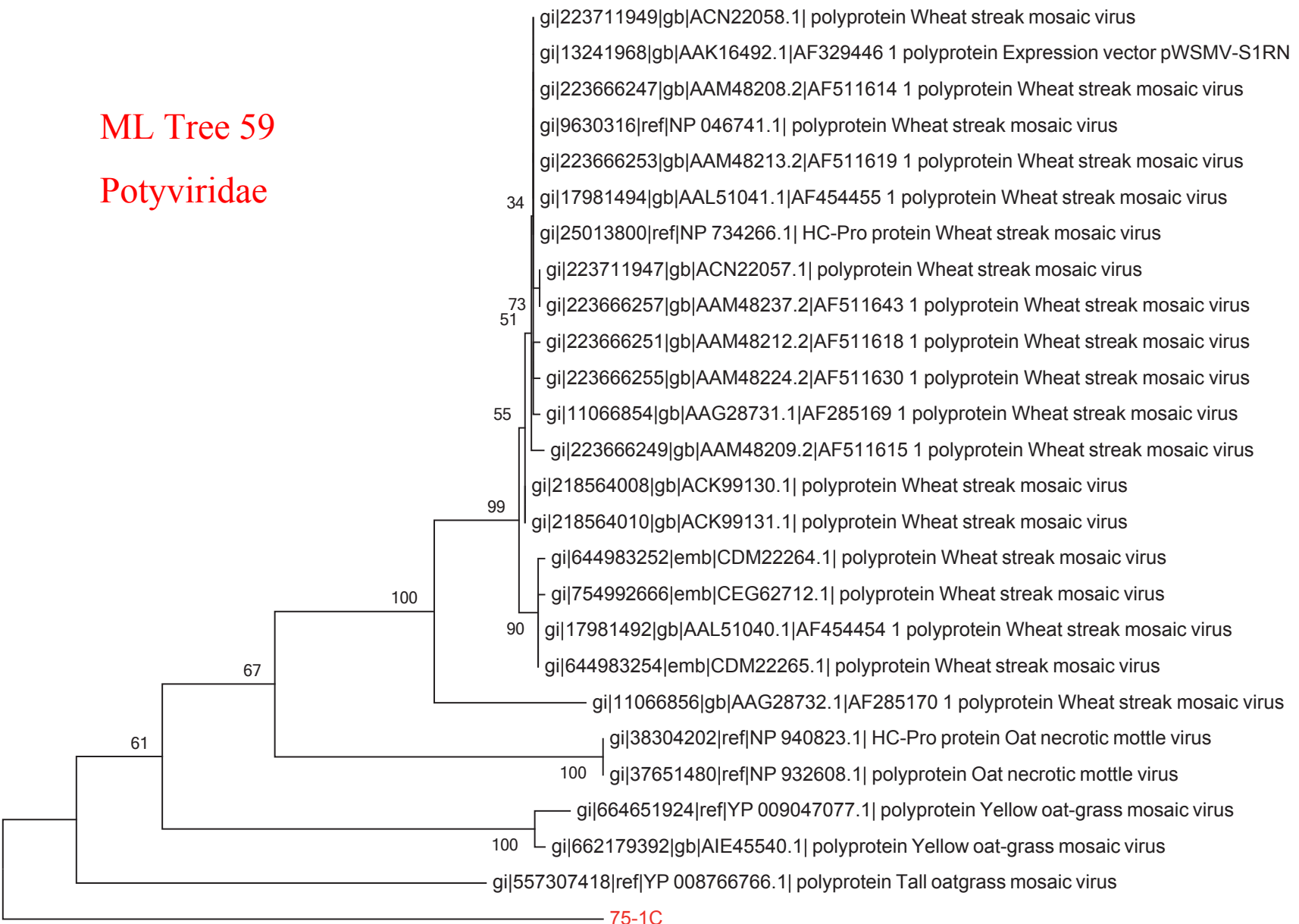
ML Tree 58
Potyviridae



0.2

ML Tree 59

Potyviridae



0.1

ML Tree 60

Reoviridae

gi|1095740|prf||2109367A P9 structural protein

gi|75568894|sp|Q86287.1|VP9 RRSVT RecName: FullStructural protein VP9 Rice ragged stunt virus (isolate Thailand)

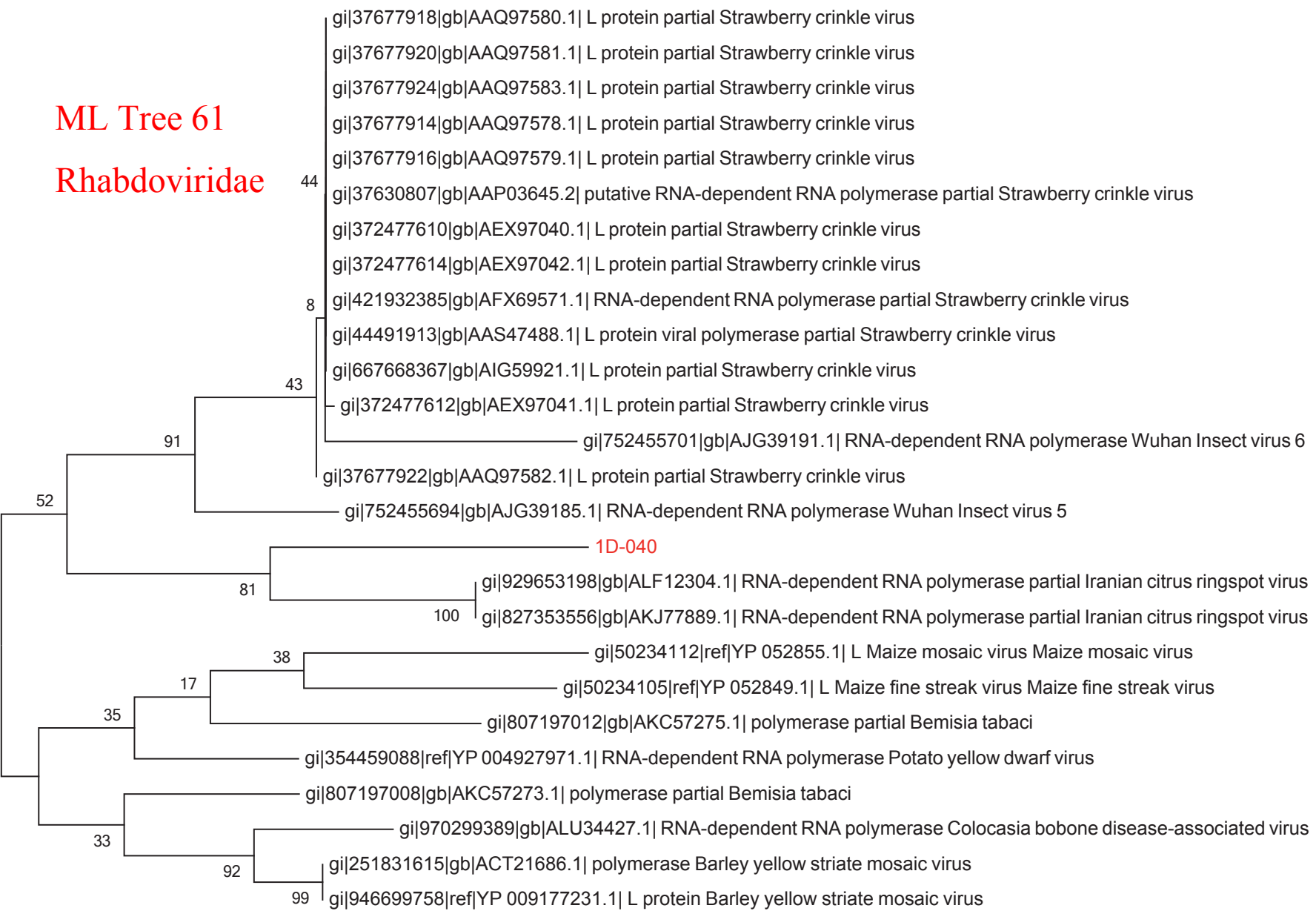
gi|20428603|ref|NP_620527.1| spike protein Rice ragged stunt virus

gi|330688262|gb|AEC32909.1| spike protein Rice ragged stunt virus

1C-081

0.05

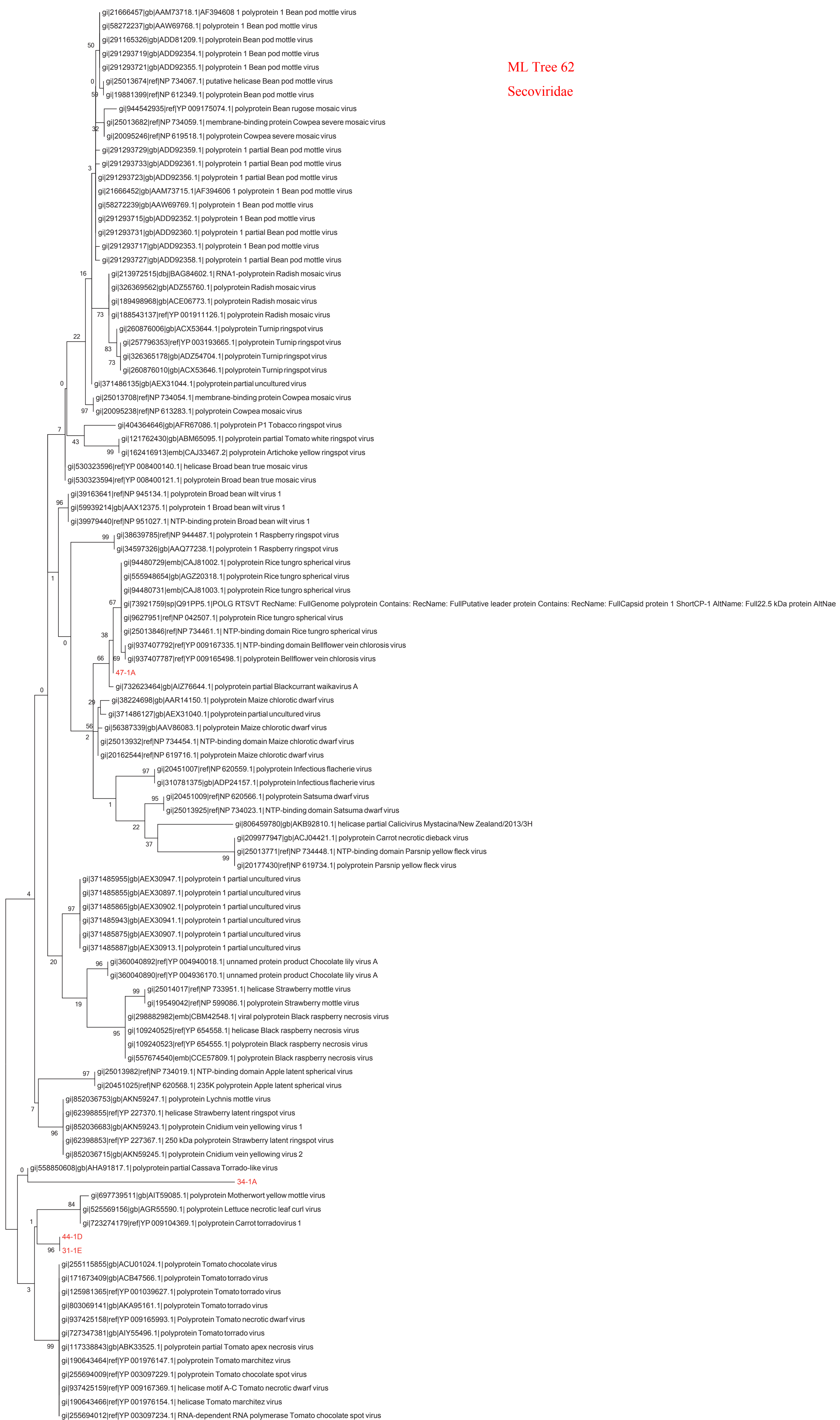
ML Tree 61
Rhabdoviridae



0.1

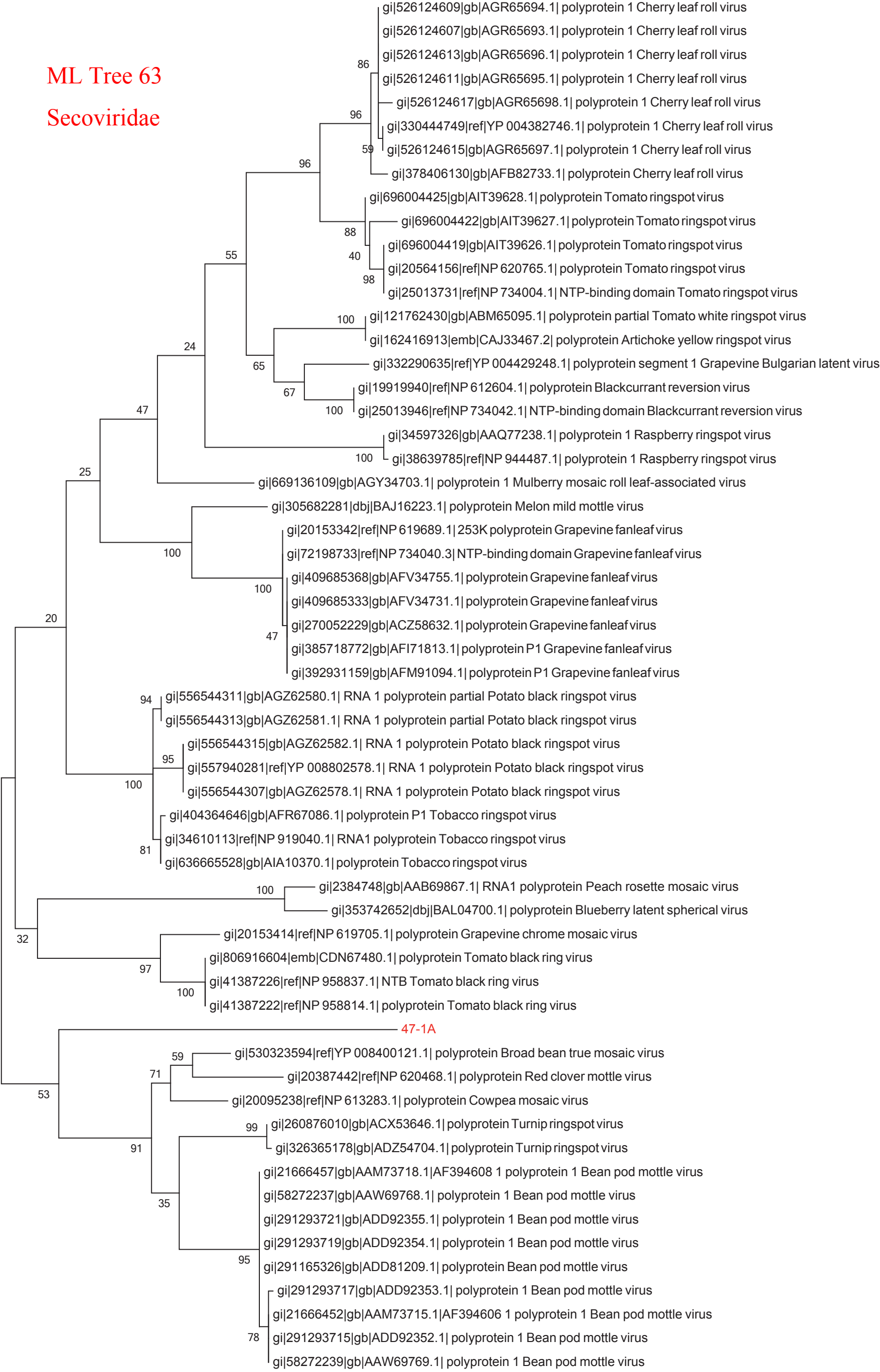
ML Tree 62

Secoviridae



ML Tree 63

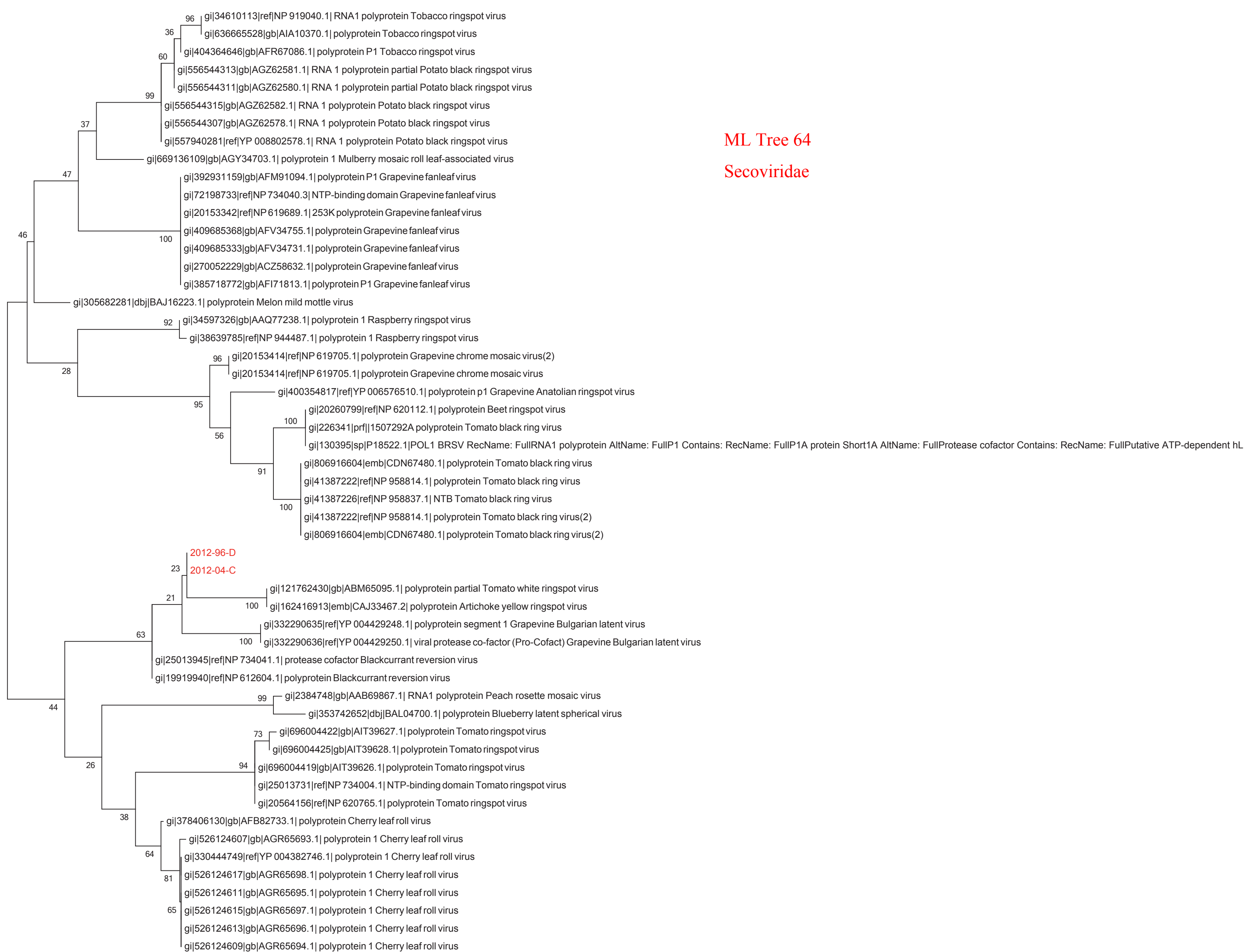
Secoviridae



0.2

ML Tree 64

Secoviridae



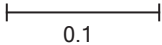
0.2

ML Tree 65

Secoviridae

99 2012-06-C
2012-14-D

- gi|19919938|ref|NP 612586.1| polyprotein Blackcurrant reversion virus
- 100 gi|50557454|ref|NP 733981.2| movement protein Blackcurrant reversion virus
- gi|332290642|ref|YP 004429249.1| polyprotein segment 2 Grapevine Bulgarian latent virus
- 100 gi|332290644|ref|YP 004429256.1| movement protein (MP) Grapevine Bulgarian latent virus



ML Tree 66

Secoviridae

86

61

gi|2384748|gb|AAB69867.1| RNA1 polyprotein Peach rosette mosaic virus

gi|353742652|dbj|BAL04700.1| polyprotein Blueberry latent spherical virus

1J-021

100

gi|696004422|gb|AIT39627.1| polyprotein Tomato ringspot virus

gi|696004419|gb|AIT39626.1| polyprotein Tomato ringspot virus

gi|20564156|ref|NP_620765.1| polyprotein Tomato ringspot virus

gi|409685368|gb|AFV34755.1| polyprotein Grapevine fanleaf virus

27

gi|162416913|emb|CAJ33467.2| polyprotein Artichoke yellow ringspot virus

22

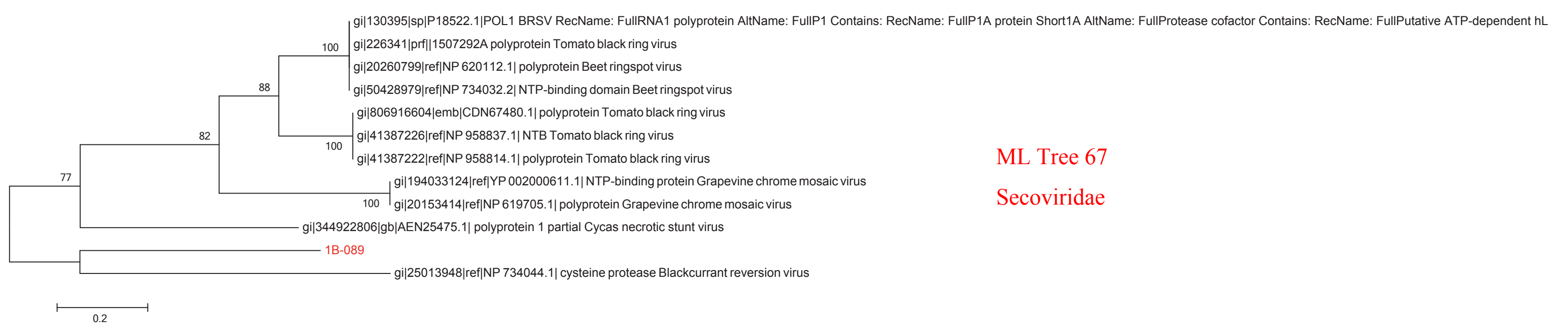
gi|19919940|ref|NP_612604.1| polyprotein Blackcurrant reversion virus

65

gi|332290635|ref|YP_004429248.1| polyprotein segment 1 Grapevine Bulgarian latent virus

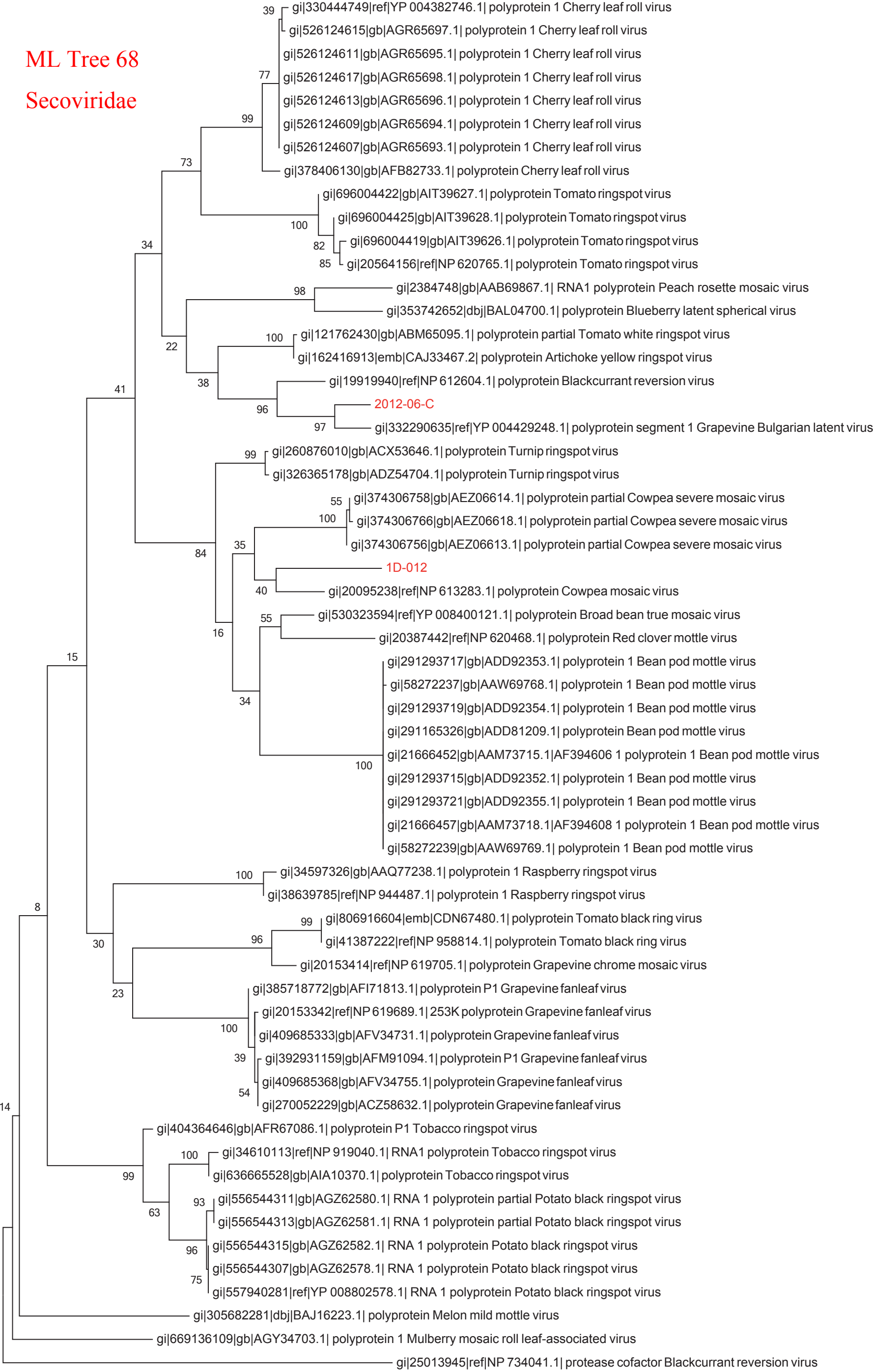


0.2



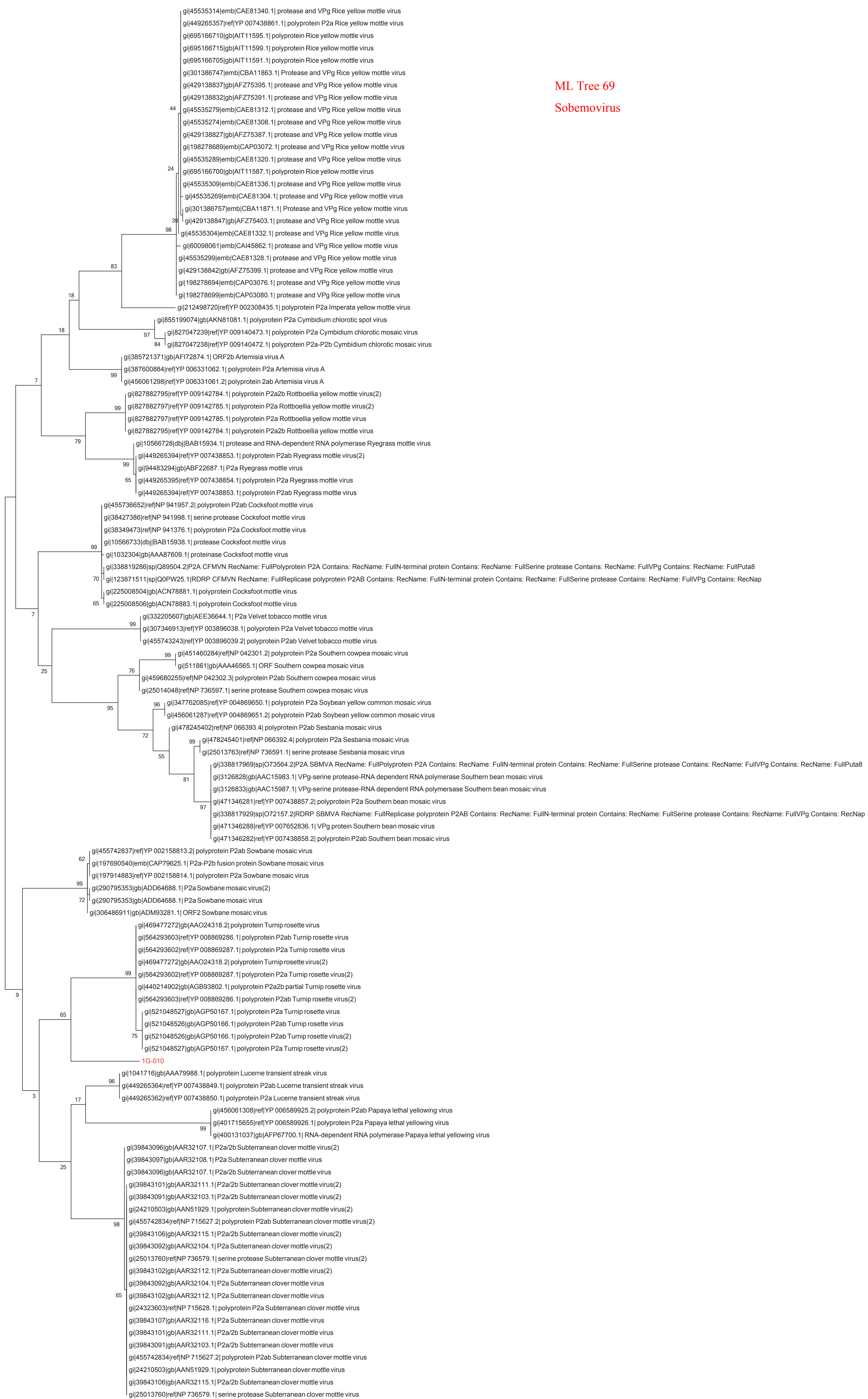
ML Tree 68

Secoviridae

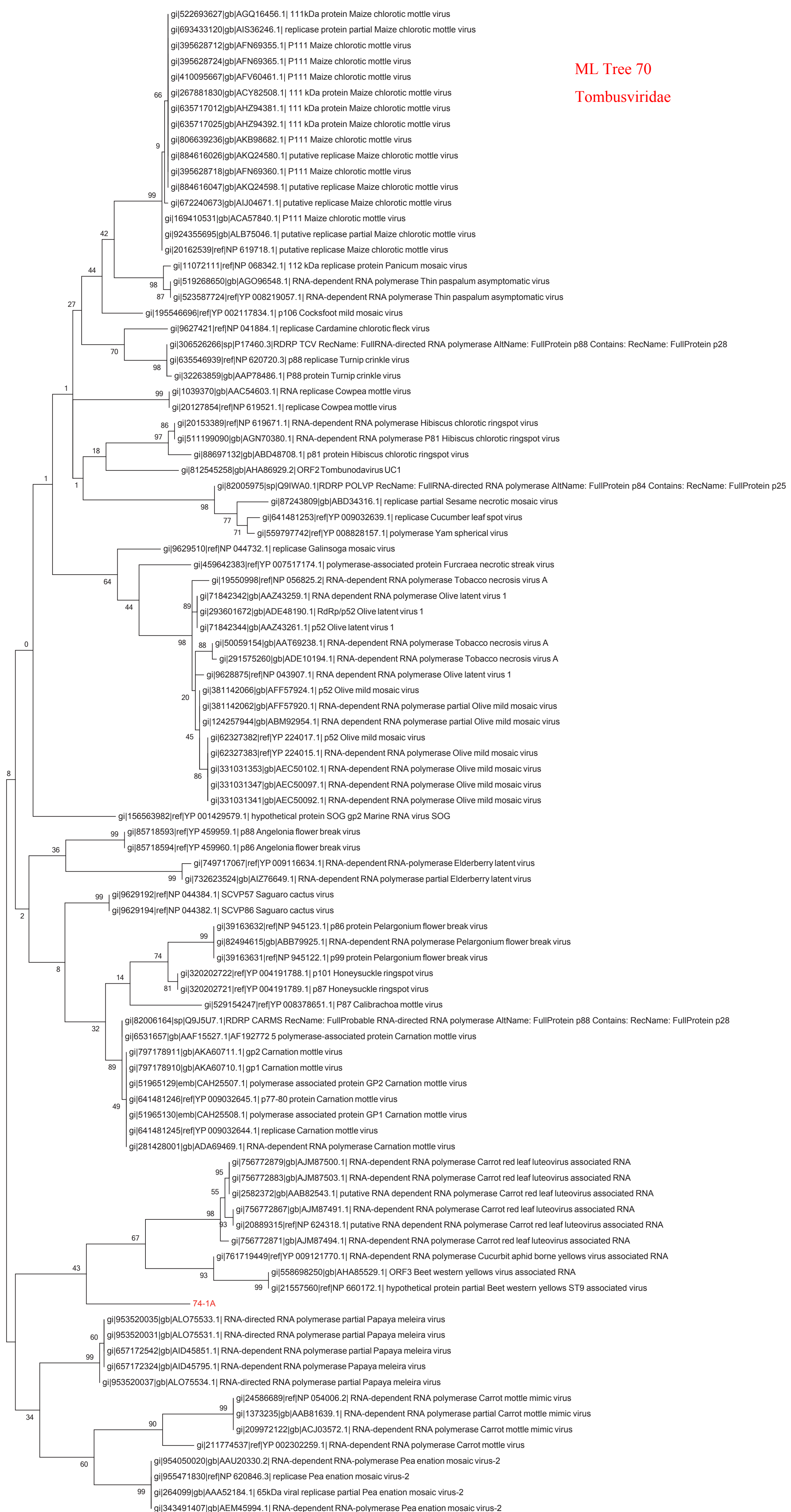


0.5

ML Tree 69
Sobemovirus

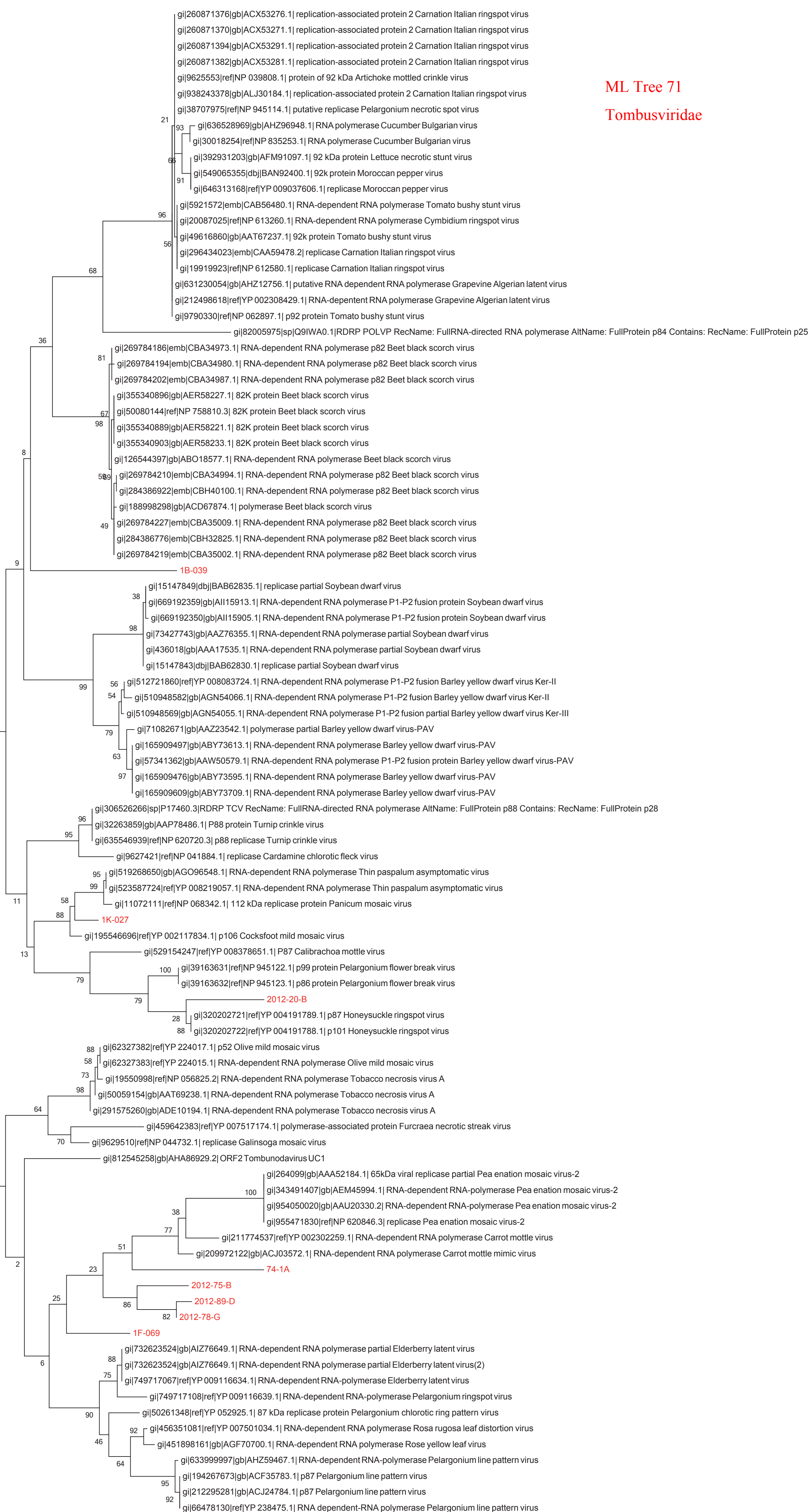


ML Tree 70
Tombusviridae



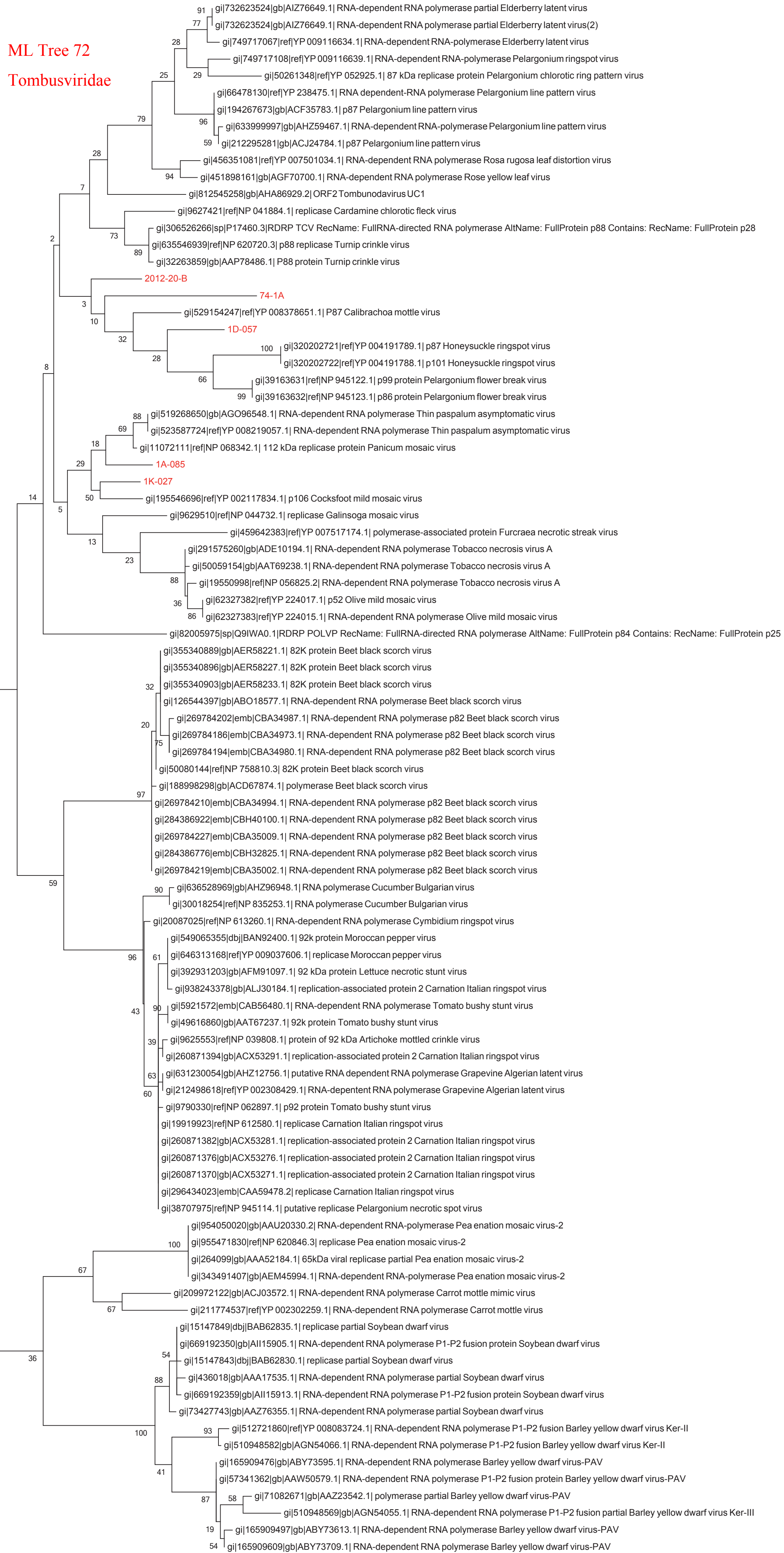
0.2

ML Tree 71
Tombusviridae



0.2

ML Tree 72
Tombusviridae



0.2

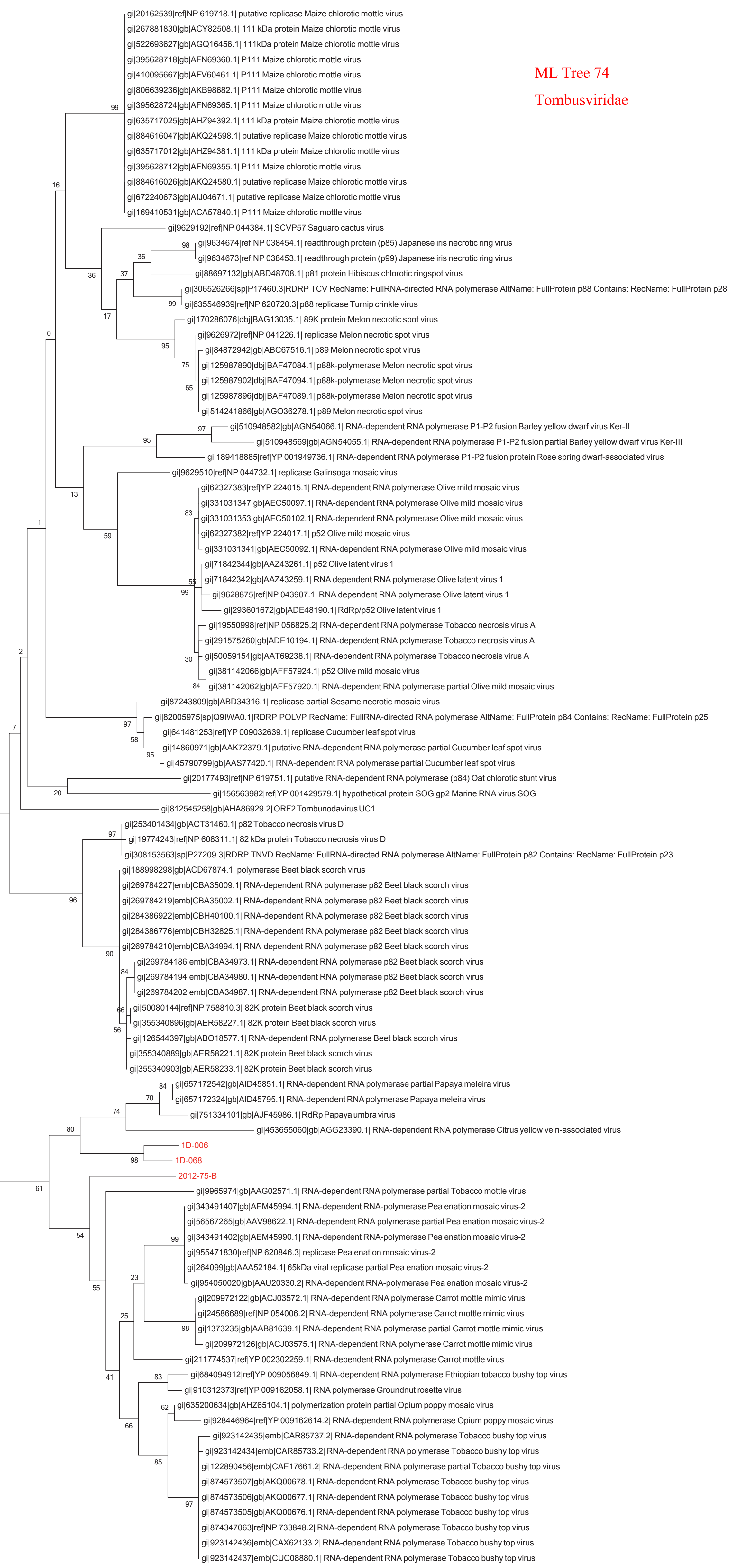
ML Tree 73

Tombusviridae



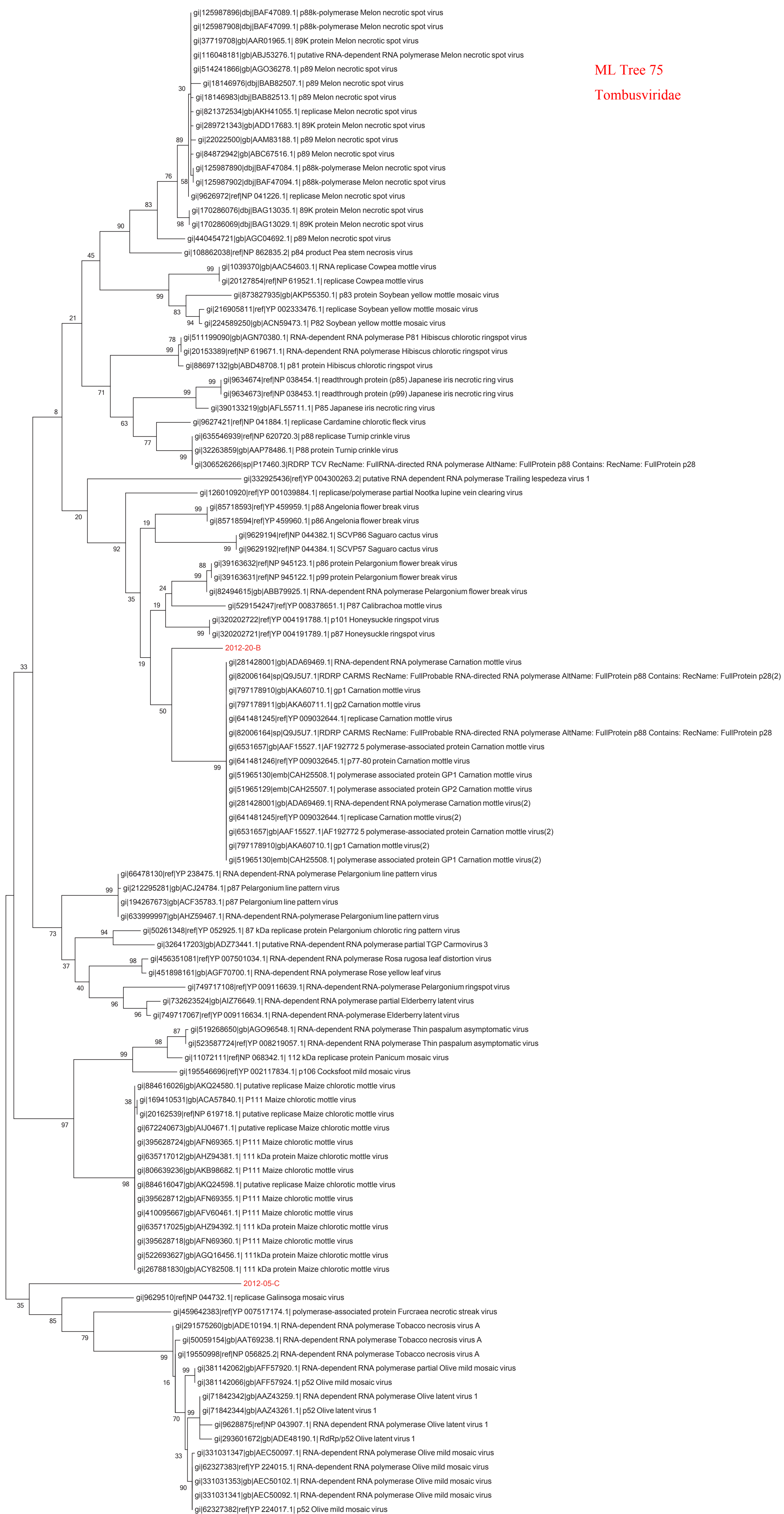
0.2

ML Tree 74
Tombusviridae



0.1

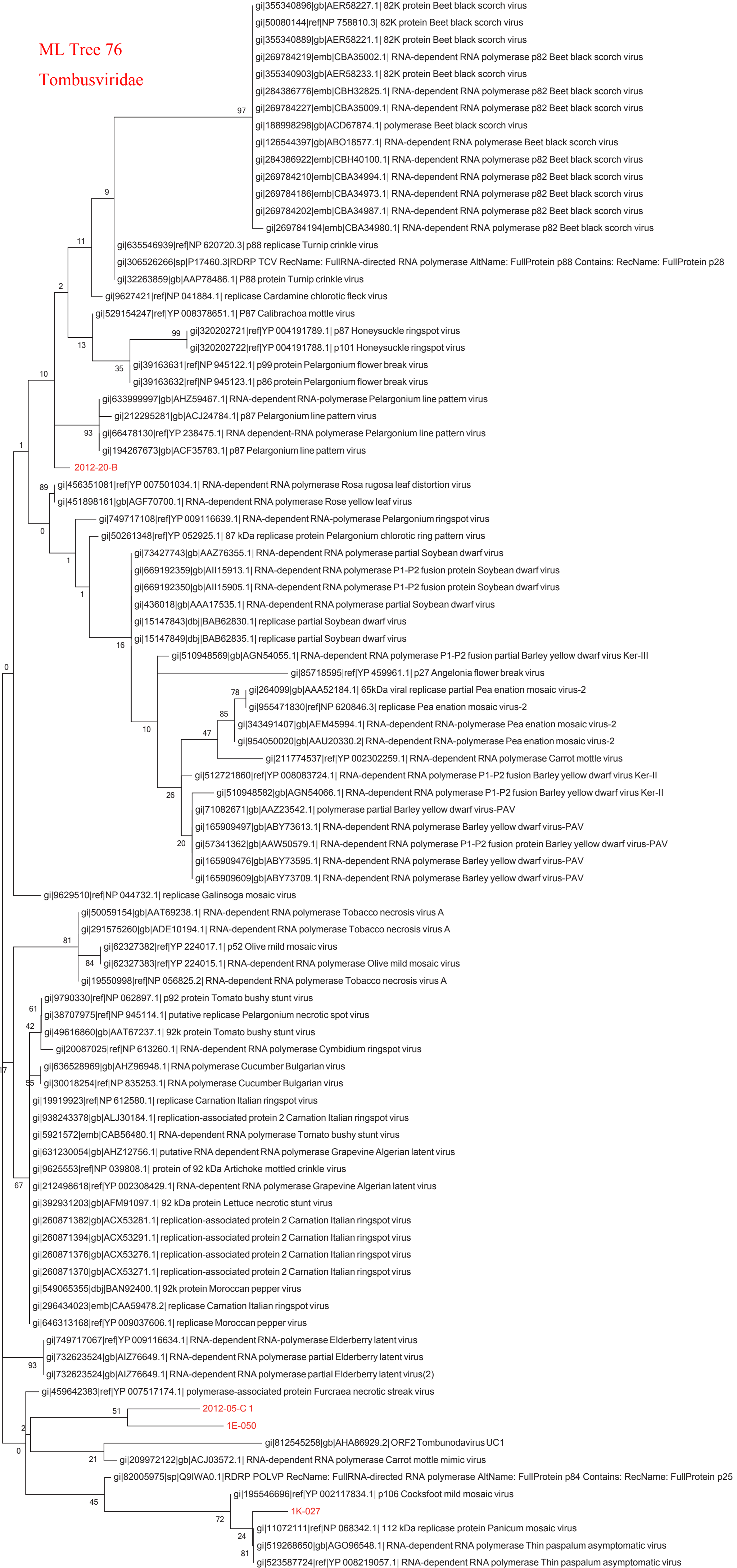
ML Tree 75
Tombusviridae



0.1

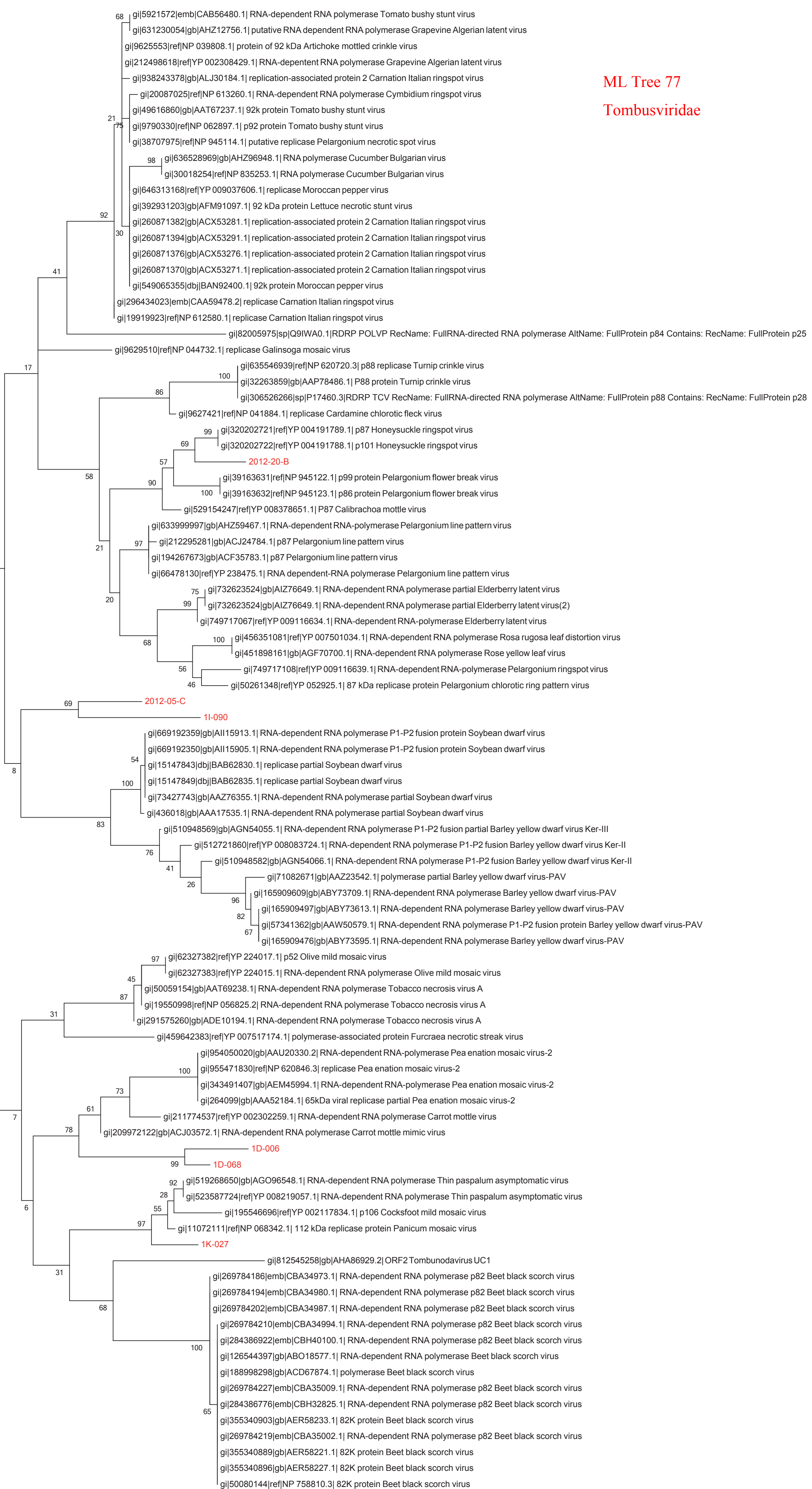
ML Tree 76

Tombusviridae

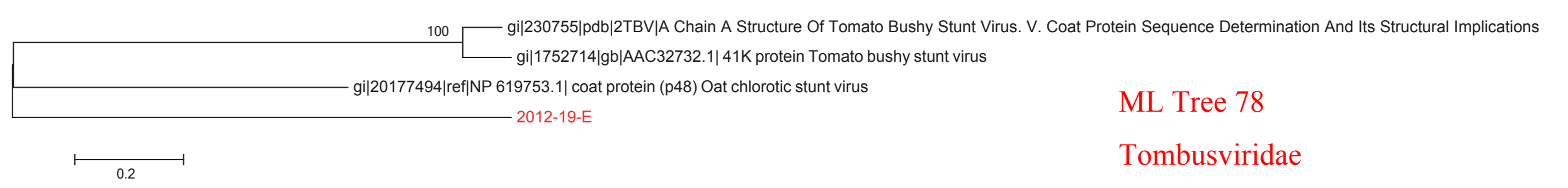


0.2

ML Tree 77
Tombusviridae

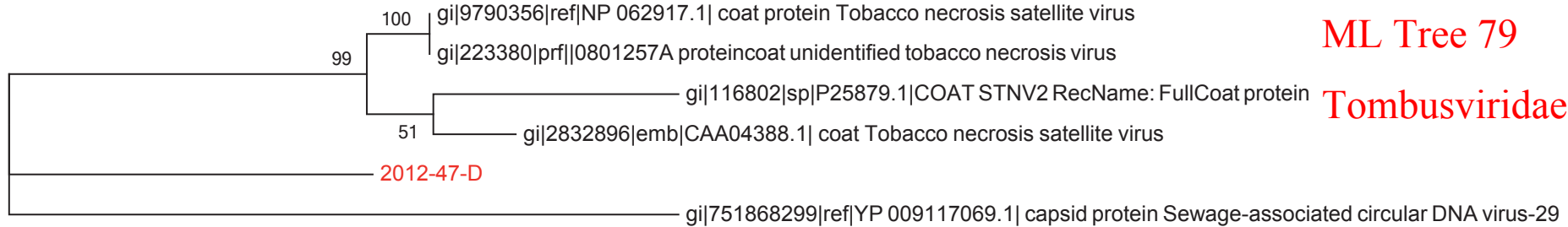


0.1



ML Tree 79

Tombusviridae



0.2

ML Tree 80

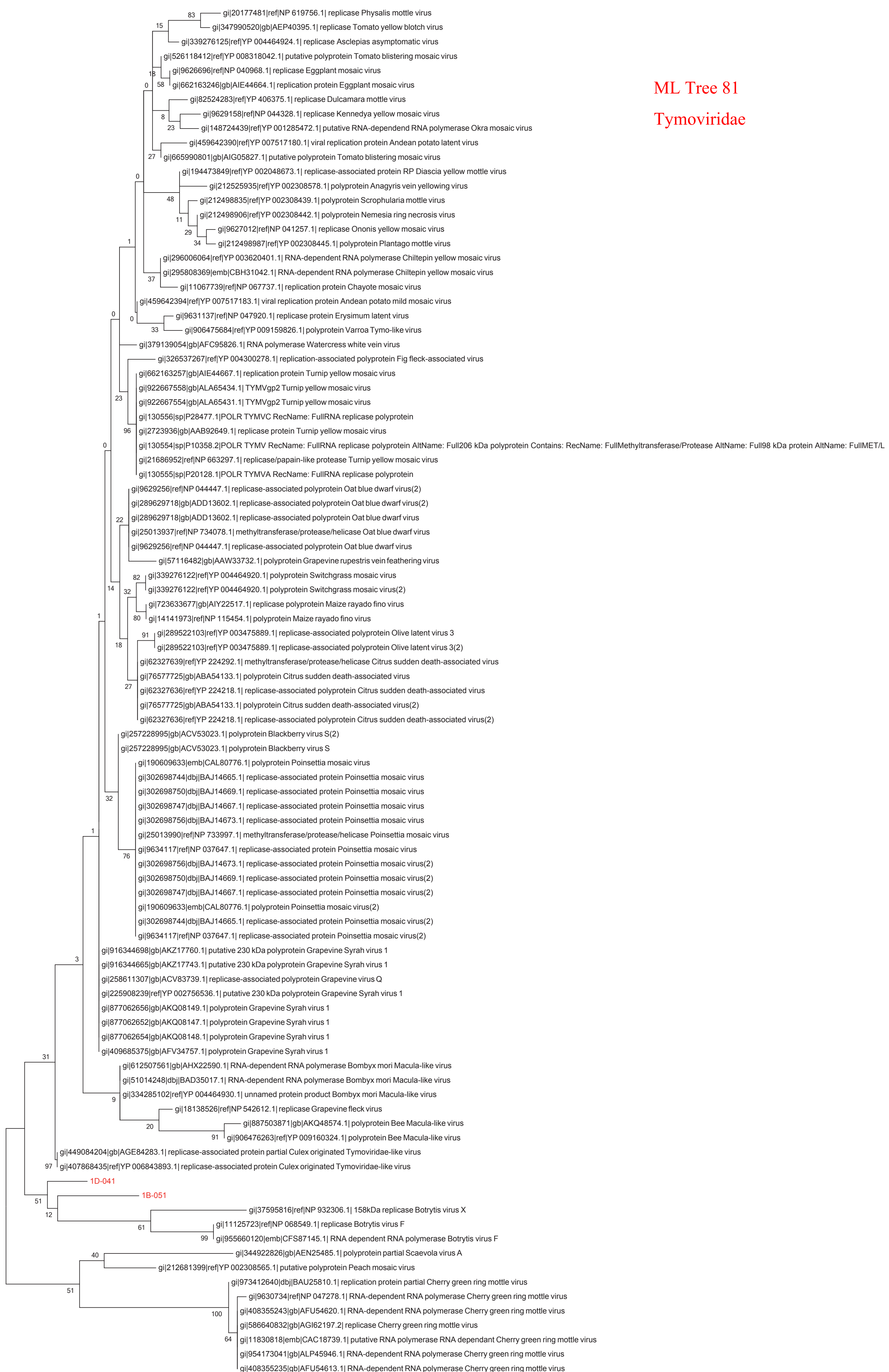
Tymoviridae



0.5

ML Tree 81

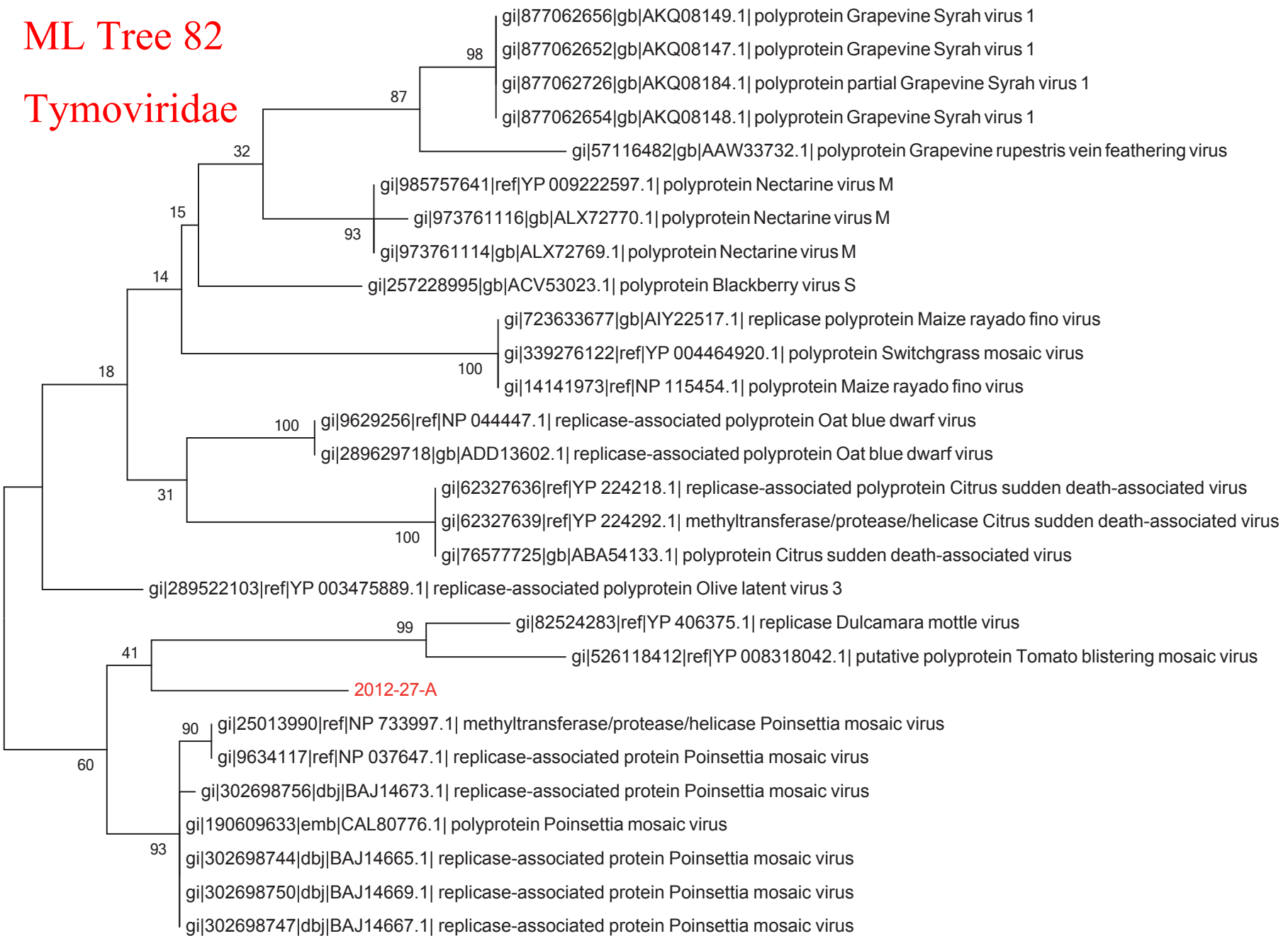
Tymoviridae



0.2

ML Tree 82

Tymoviridae



0.1

ML Tree 83

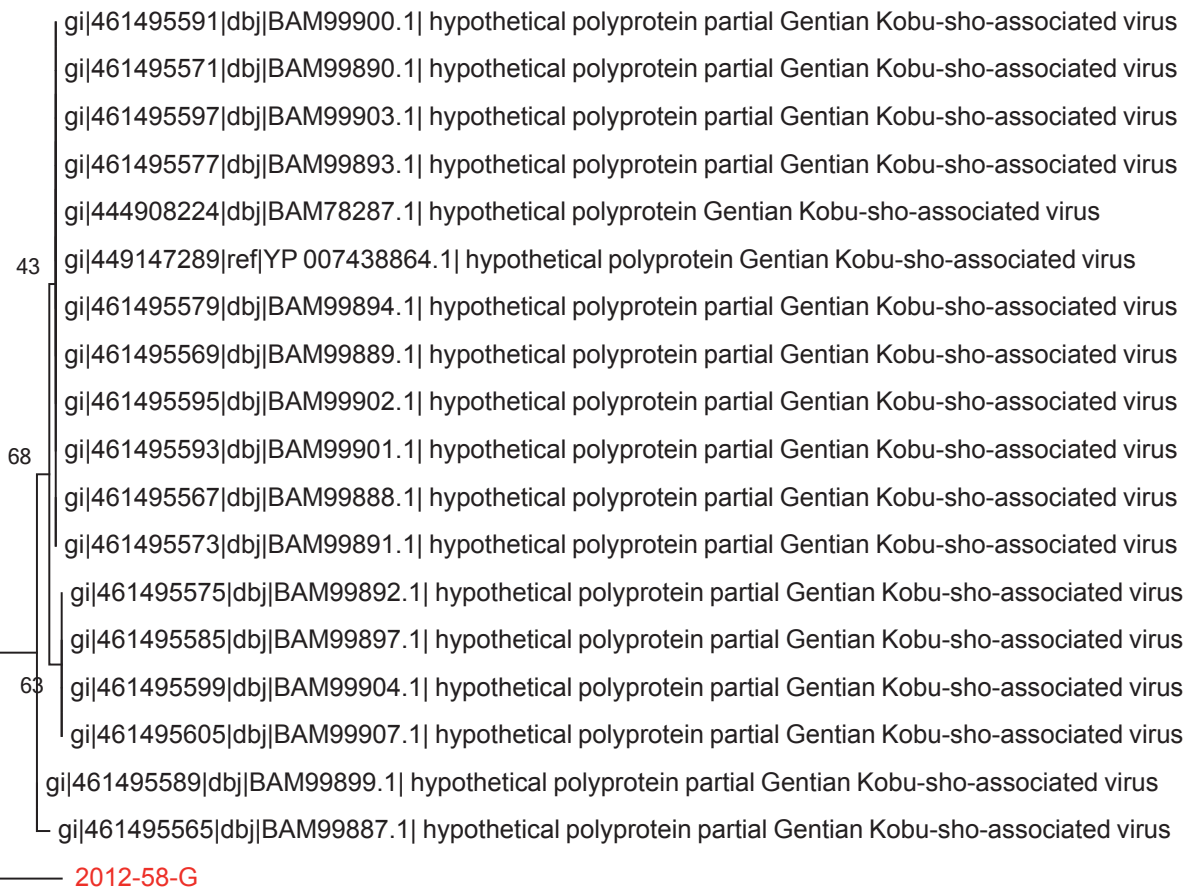
Tymoviridae



0.2

ML Tree 84

Unclassified RNA virus



0.1

ML Tree 85

Unclassified RNA virus

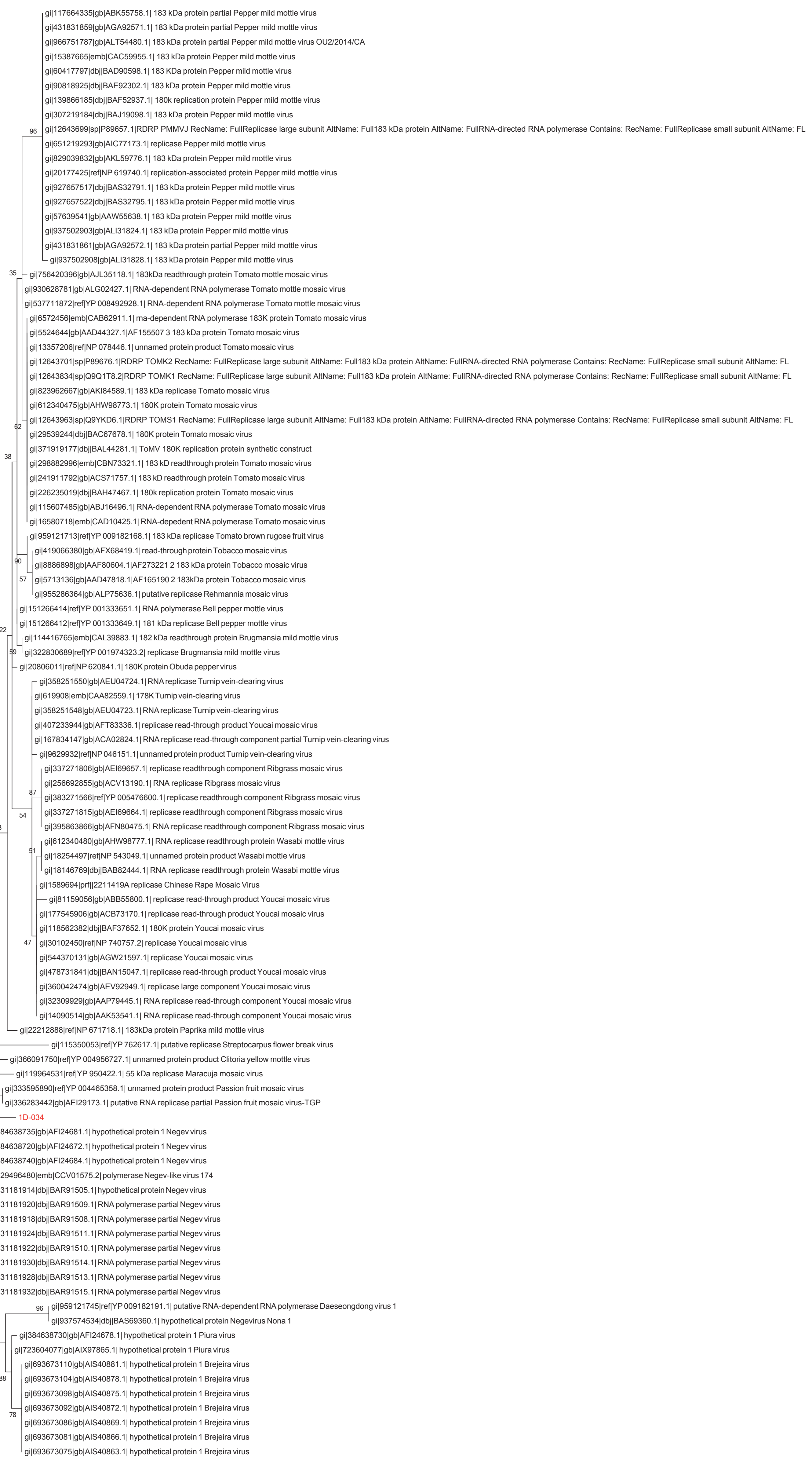
gi|353332644|ref|YP_004901701.1| polymerase Blueberry necrotic ring blotch virus

gi|472825220|gb|AGI44298.1| RNA dependent RNA polymerase Blueberry necrotic ring blotch virus

1F-051

0.2

ML Tree 86
Virgaviridae

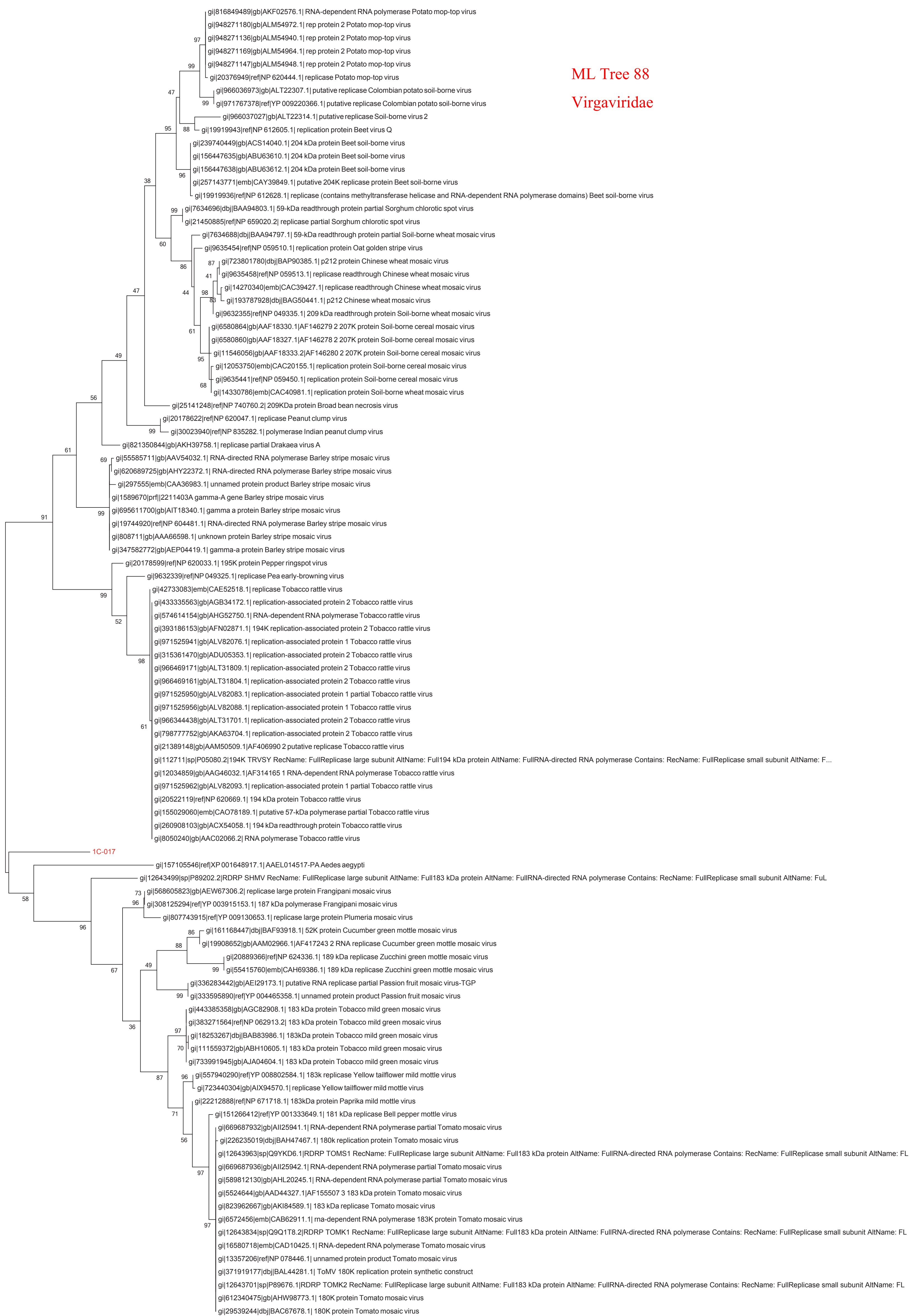


ML Tree 87
Virgaviridae



ML Tree 88

Virgaviridae



0.2

ML Tree 89

Potyviridae



ML Tree90

Amalgaviridae

gi|213496076|ref|YP_002321509.1| fusion protein p122 Southern tomato virus
gi|923057524|gb|ALB05811.1| fusion protein RdRp Southern tomato virus
gi|948271133|gb|ALM54938.1| fusion protein RdRp Southern tomato virus
gi|167077480|gb|ABZ10949.1| fusion protein Southern tomato virus

2012-27-A

2012-54-F 3

1A-053

gi|306478698|ref|YP_003868436.1| putative fusion protein Rhododendron virus A

1E-074

gi|308814348|ref|YP_003934623.1| fusion protein Blueberry latent virus

gi|308097099|gb|ADO14118.1| fusion protein Blueberry latent virus

0.05

gi|213496076|ref|YP_002321509.1| fusion protein p122 Southern tomato virus
gi|923057524|gb|ALB05811.1| fusion protein RdRp Southern tomato virus
gi|948271133|gb|ALM54938.1| fusion protein RdRp Southern tomato virus
gi|167077480|gb|ABZ10949.1| fusion protein Southern tomato virus

ML Tree 91

1B-012

1G-064

80-1C

gi|306478698|ref|YP_003868436.1| putative fusion protein Rhododendron virus A

gi|308814348|ref|YP_003934623.1| fusion protein Blueberry latent virus

gi|308097099|gb|ADO14118.1| fusion protein Blueberry latent virus

Amalgaviridae

0.1

ML Tree 92

Amalgaviridae

gi|308097021|gb|ADO14066.1| fusion protein partial Blueberry latent virus
gi|308097039|gb|ADO14078.1| fusion protein partial Blueberry latent virus
gi|308097006|gb|ADO14056.1| fusion protein partial Blueberry latent virus
gi|308097054|gb|ADO14088.1| fusion protein partial Blueberry latent virus
gi|308097069|gb|ADO14098.1| fusion protein partial Blueberry latent virus
gi|308097093|gb|ADO14114.1| fusion protein partial Blueberry latent virus
gi|308097009|gb|ADO14058.1| fusion protein partial Blueberry latent virus
gi|308097018|gb|ADO14064.1| fusion protein partial Blueberry latent virus
gi|308097000|gb|ADO14052.1| fusion protein partial Blueberry latent virus
gi|308096997|gb|ADO14050.1| fusion protein partial Blueberry latent virus
gi|308814348|ref|YP_003934623.1| fusion protein Blueberry latent virus
gi|308097099|gb|ADO14118.1| fusion protein Blueberry latent virus

gi|224094849|ref|XP_002310263.1| hypothetical protein POPTR_0007s13310g Populus trichocarpa

1E-028

1B-077

48-1B

48-1F

2012-38-F

2012-28-B

2012-44-F

gi|306478698|ref|YP_003868436.1| putative fusion protein Rhododendron virus A

33-1B

2012-65-C

74-1A

24-1G

22-1A

2012-09-A

2012-21-A 2

gi|86451112|gb|ABC96787.1| RNA-dependent RNA polymerase-like protein partial Southern tomato virus

1J-075

gi|213496076|ref|YP_002321509.1| fusion protein p122 Southern tomato virus

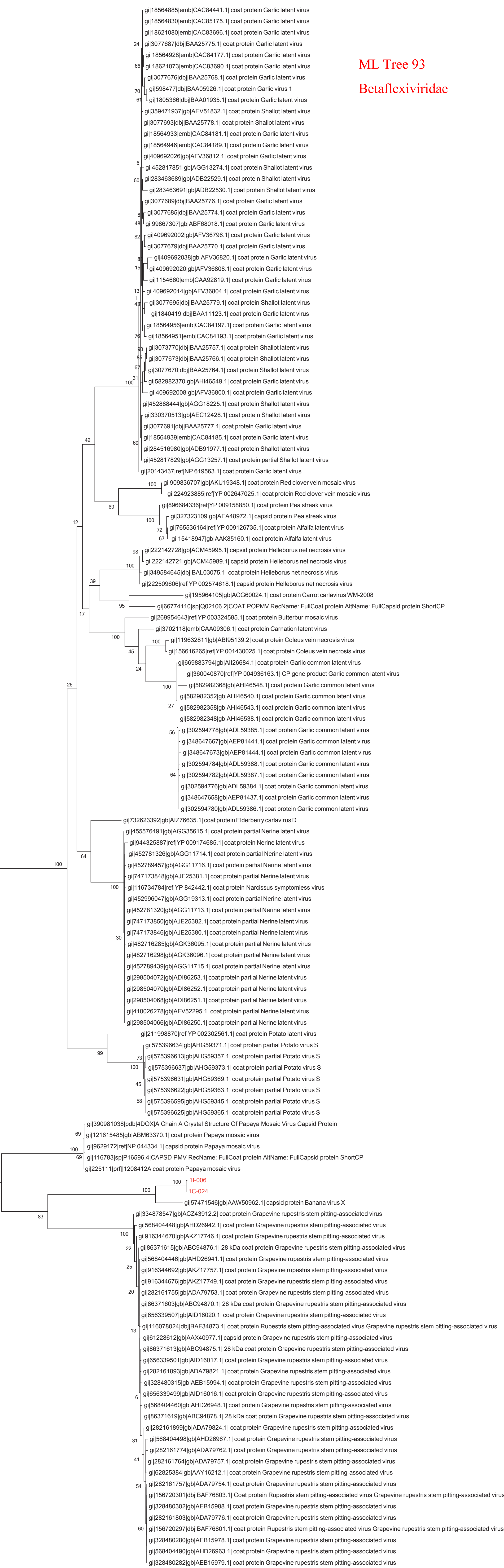
gi|923057524|gb|ALB05811.1| fusion protein RdRp Southern tomato virus

gi|948271133|gb|ALM54938.1| fusion protein RdRp Southern tomato virus

gi|167077480|gb|ABZ10949.1| fusion protein Southern tomato virus

0.1

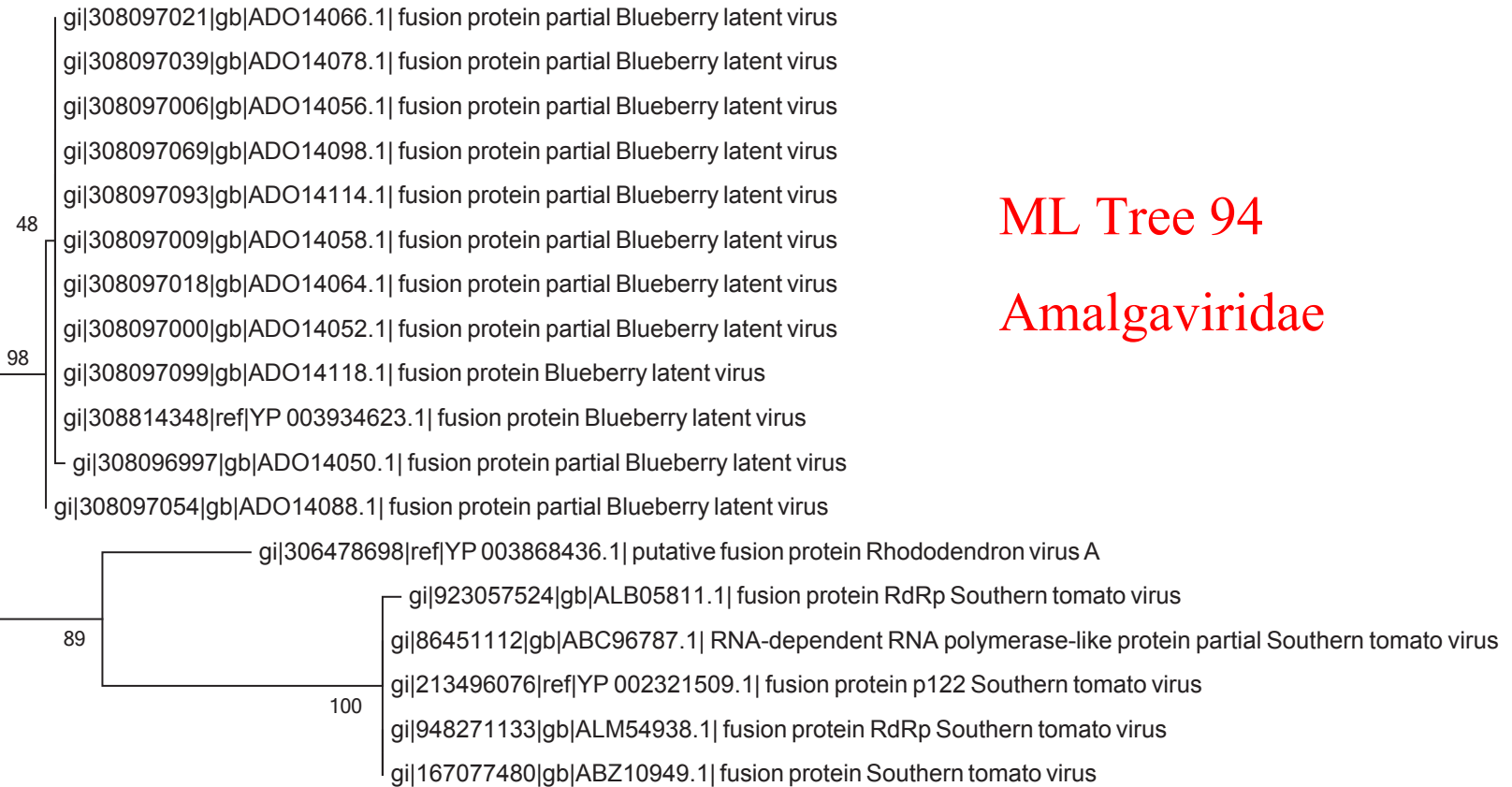
ML Tree 93
Betaflexiviridae



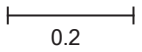
0.2

ML Tree 94

Amalgaviridae



2012-22-F



ML Tree 95

Amalgaviridae

