Suppl. Table S1 RT-qPCR Protocol for MIDV and WSLV

S1.1 Primer sequences

MIDV	MIDV_PA_f	ACCATGCTAACGCGAGGGCGTTTTCGCA	
	MIDV_PA_r	CGGCGCGCTGCCTATRTCCAGGAT	
	MIDV_PA_p	TAATWGAAGGAGAGGTGGAAGTGGGC	FAM
WSLV	WESSV_f	GAAAGGAGTAGAAGAAAGGAGATTC	
	WESSV_r	TAGGTTCTTCACTCTAGCCGCTA	
	WESSV_p	CAACAAAGGGGATGAATAAGTCTCG	HEX

S1.2 Primer/Probe mixes

MIDV

16 µl	MIDV_PA_f (100 µM)
16 µl	MIDV_PA_r (100 µM)
2 µl	MIDV_p_Probe FAM (100 µM)
166 µl	0.1 x TE Buffer
200 µl	total

WSLV

16 µl	WESSV_f (100 µM)
16 µl	WESSV_r (100 µM)
2 µl	WESSV_p_Probe HEX (100 µM)
166 µl	0.1 x TE Buffer
200 µl	total

S1.3 Master-Mix

Processing steps	Master Mix	Volume
1.	**RNase free water**	3.5 µl
2.	**2× RT-PCR Buffer**	12.5 µl
3.	Primer-Probe-Mix 1: **MIDV-Mix FAM**	0.5 µl
4.	Primer-Probe-Mix 2: **WSLV-Mix HEX**	0.5 µl
5.	Primer-Probe-Mix 4: **b-Actin Mix Cy5**	2.0 µl
6.	25x RT-PCR Enzyme Mix	1.0 µl
	Total Volume Master Mix	**20 µl**
	Total Volume	**25 µl**

AgPath-ID™ One-Step RT-PCR Kit (Ambion)

S1.3 Cycler program

Cycler program		
Reverse transcription	50°C	20 min
Activation Taq	95°C	15 min
Denaturation	95°C	30 sec
Annealing	55°C	45 sec
Elongation	68°C	45 sec

45 cycles

Suppl. Table S2 Generated genome sequences of all six viruses

>Crimean-Congo hemorrhagic fever virus segment L (animal origin)

TCTGCAGATACTCCCCGTTACCCACGCCAACACAGAGAGCTCCAGTAGTGGTCTTTCCCTTTG
CGAAACCATGGACTTCTTTAAGAAACCTTGATTGACTCGCGTGATTGCTGTCAATATGTGTCCA
ACCCTAGGGGTTCAACATTTGATTATTGAGATCGTGCGGCAGCCTGGTGATGGGAATCAAGCT
CGATCACAGCATAGCTGAGTTACCATGCCTAACAAAACAGATCACTCTCTATATCATATCGGT
CATCAAACGCGCCCAACCGAGTCGGCAGCACGGAAGTATTACCAGGAGGAGCCTGAAGCCA
GACTTGTTGGCCTGAACCTGGAAGATTATCTCAAGAGGATGCTGTCTGACAACGAGTGGGGAT
CAACTCCCTAGAAGCATCTATGTTGCCAAAGAAATGGGCATTACCATCATTATTTGACTGTTG
CCGCCAGTGATGAAGTGGAAGCAGGTTTAAAGTTCGAGACGATGCTTTACAGCTGTGAACCTT
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Crimean-Congo hemorrhagic fever virus segment M (animal origin)

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ACTTTTCTTAGATAGTATAGCCAAGGGAATGAAAAGCTTGTTGAACTCCACAAGTTTAGAAAC
GAGCTTGTCAATTGAAGCTCCGTGGGGGGCAATCAATGTTCAATCAACTTTCAGACCAACAGT
TTCAGCCGCCAATATAGCACTTAGCTGGAGTTCAGTTGAACACAAGGGCAACAAGATCTTAG
TTTCAGGTAGATCAGAGTCAATTATGAAATTAGAAGAAAGAACTGGAATCAGCTGGTGTCTA
GGTGTGGAAGATGCCTCTGAGTCAAAAACACTCACCGTCTCTGTTATGGATCTGTCTCAAATG
TATTCTCCTGTTTTCGAGTACCTGTCAGGTGACCGACAGGTGGAGGAGTGGCCAAAAGCAACC
TGCACAGGTGACTGTCCAGAAAGATGTGGCTGCACTTCATCAACCTGCCTGCATAAGGAGTG
GCCGCACTCGAGGAACTGGCGCTGTAACCCCACTTGGTGTTGGGGGGTGGGAACTGGCTGCA
CCTGCTGTGGGCTAGATGTAAAGGATCTCTTTACAGACTACATGTTGGTTAAATGGAAAGTGG
AATATATAAAAACAGAAGCCATAATATGTGTTGAGCTTACTAGTCAAGAGAGGCAATGTAGT
TTAATTGAAGCAGGCACAAGGTTTAACCTAGGCCCTGTGACAATAACTCTATCAGAACCAAG
GAACGTACAGCAGAGGCTTCCTCCCGAGATCATCACACTGCACCCTAAGATAGAAGAAGGGT
TTTTTGATTTGATGCATGTGCAGAAGGTAATGTCTGCAAACACGGTTTGTAAGCTGCAAAGCT
GTACTCATGGTGTGCCTGGAGACTTACAAGTCTACCATGTTGGCAACTTGTTAAAGGGGGACA
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GATGGGTGTGATTTAGACTATTTTTGCAACATGGGGGACTGGCCCTCATGCACATACACAGGG
GTGACACAACACAACCATGCTGCATTCATCAACATGCTTAACATTGAGACTGATTACACAAA
AAACTTTCACTTTCATTCAAAAAGGGTCACAGCACACGGAGACACCCCTCAGTTGGACCTAA
AAGCGAGACCAACATATGGTGCAGGCGAAATCACTGTTCTAGTAGAAGTTGCAGATTTAGAA
CTGCACACGAAGAAAATTGAAGTGTCGGGTCTGAAATTCGCAAGTTTGTCATGCTCCGGATGT
TATGCTTGCAGCTCCGGCATCTCCTGCAAAGTTAGGATTCATGTAAATGAACCGGATGAATTC
ACAGTACATGTAAAAAGTAATGACCCAGATGTTGTAGCAGCAGGATCAAGTCTCATGGCTAG

AAAGATAGAGTCTGGGGCCGACAGCACGTTTAAGGCTTTTTCATCAATGCCAAAAAACTCTCT
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TGTTGACATTAAACTTGAACATCCACAGAGCATACTCATTGAACACAAAGGAACGATTATTG
GCAAGCAAAATGACACCTGTCCAACTAAAACAAGCTGCTGGTTGGAATCTATTAAGAGTTTTT
TTNATGGGCTTAAAAACATGCTGAGTGGGATCTTCAGTAATGTTTTCTTAGGCATGCTCCTGTT
TCTTGCTCCTTTTGTATTGCTAATATTGTTTTTCTTCTTCGGGTGGAGACGTCGCTAGATGCCTTA
AGTGCTGTAGAAGGACCAGAAAGCTGCTAAAGTATAAGCACCTTAGGGATGCGAAGAAGAG
AGAGTGGTTACAAAAAAATCATTGAAAGGCTAAATGACCACCAAAAAAGGCAAAAGTCGAT
TGTTTGATGGAGAAAGGCTTGCAGACAGAAAAATTGCCGAACTCTTTTCAACTAAAACTCATA
GGTTGACGAATCAGACAAGCTGTTTTCTGCCCACCAATATTCATCTTTAATGTTGCTACATACA
TCTTCCCTAACCAAACATGCCCCAATTATCACATACCTGAACAGTGGAACTACCTTAGATGAT
AACACACACCTGCTTGGAACTCGCAACAGGAACGCAGAAAACGTTAGTGGATTAACGCTCTT
AATATCGTGTTTCCCTATTAACTTAGCAATACG

>Crimean-Congo hemorrhagic fever virus segment S (animal origin)

TGTTCACTTCGATTTTGTTCTCCATTGTTGCCTTGAGTGTTAGCAAAATGGAGAACAAAATCGA
AGTGAACAACAAAGATGAGCTTAACAAATGGTTTGGGAGTTCAAGAAAGGAAACGGGCTTGT
GGACACTTCACAAACTCCTATTCCTTCTGTGAGAACGTGCCAAACCTGACAGGTTTGTATTCC
AGATGGCTGGTGCAACCGATGATGCACAAAAAGACATTCCATCTATGCATCTGCCAAGGTTTT
ATGAGGGAAACACCATAGAACTGTGCTCCTGATAGGCATGCACCTCGGGCCTGCGTTAGCCC
CACAGATATANTNAAAAGAGGCCTTGAGTGGTTCGAAAAAAAACACAGGAACCATTAAAAG
TCTCTGGGATGAGAGCTACACTGAACTACTGGAAAGCTTGATGTGCTCCAAAATTTCGAACAG
CTTGCCAACTACCAGCAGGCTGCTCTCAAGTGGAGGAAGGACATAGGGCTTCCGCGTCAATG
CAAAACACAGCAGCCCTAAGCAATAACAAAGTCCTCTCTGAGTACAAGGTTCCTGGGTGAGA
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CAGAGGGGGTGATGAAAACCCAAGGGGCCCAGTAAGCAAGGAGCACATAGAATGGTGCAG
AGAGTTTGTCAAGGGCAAATACATAATGGCCTTCAATCCACCCTGGGGTGATGTCAACAAGTC
CGGCCGCTCAGGAATAGCACTAGTTGCTACAGGTCTTGCCAAACTTGCAGAAACAGAGGGAA
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CAAAGATGAGGTAGACAAGGCCAGTGCTGATAGCATGGTAACAAACCTCCTCAAGCACATCA
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CACCCCTTTCAGCTCCTTCTACTGGCTCTACAAAGCGGGCGTGACTCCAGAAACCTTCCCCAC
TGTCTCTCAATTCCTNTTTGAGCTGGGAAAGCAGCCAAGAGGCACTAAAAAANTGAAGAAGG
CACTTCTGAGCACCCCAATGAAGTGGGGAAAGAAGCTTTATGAGCTCTTTGCTGATGATTCTT
TCCAGCAAAACAGGATCTACATGCACCCTGCTGTATTGACAGCTGGCAGAATCAGTGAGATG
GGTGTCTGCTTTGGGACCATTCCTGTTGCCAATCCGGACGATGCAGCCCAGGGCTCGGGCCAT
ACCAAGTCAATTCTGAACCTCCGAACAAATAGTGAAACTAACAATCCCTGTGCCAAAACGAT
TGTCAAGCTTTTCGAGGTTCAGAAAACAGGATTCAACATACAGGACATGGACATTGTTGCCTC
TGAGCATCTGCTGCACCAGTCTCTTGTTGGCAAGCAGTCCCCGTTCCAAAATGCTTACAACGT
CAAAGGCAATGCCACCAGTGCCAACATCATCTAAATCTCCAAAATTTTTTTTTATTTGTTCCAG
TTTGTGCTTCTGCTTCTAACCACAACTAACAACCGCATTTGCTTTTTNNAGTTACCAAAACCTA
TTTTATCTTGCTTTATTTCATTTTACTTCATGCTATTATATTCTTCTTTTACATATTAAAGGGCTGT
GCGGCAACGATATCTTGCAGA

>Rift Valley fever virus segment L (animal origin)

ACACAANGGCGCCCAATCATGGATTCTATATTATCAAAACAGCTGGTTGACAAGACTGGTTTT
GTTAGAGTGCCAATCAAGCATTATGACTGTACAATGCTAACTCTGGCACTCCCAACATTTGAT
GTCTCCAAGATGGTAGATAGAATTACCATAGACTTCAATTTAGACGACATACAAGGAGCATC
TGAAATAGGCTCAACTTTGCTACCCTCTATGTCGATAGATGTGGAAGATATGGCCAATTTTGTT
CACGATTTCACCTTTGGCCACTTAGCTGACAAGACTGACAGACTCTTAATGCGTGAGTTTCCC
ATGATGAATGACGGGTTTGATCATCTGAGCCCTGACATGATTATCAAAACTACATCTGGCATG
TATAACATCGTTGAGTTCACCACCTTTAGGGGGGATGAAAGAGGTGCATTCCAGGCTGCCATG
ACTAAACTCGCTAAGTATGAGGTTCCTTGTGAGAACAGATCTCAGGGCAGGACTGTTGTTCTT
TATGTTGTTAGCGCCTACCGGCATGGTGTTTGGTCTAATTTGGAGCTAGAGGACTCTGAAGCA
GAGGAGATGGTATATAGGTACAGACTTGCCCTTAGTGTGATGGATGAGCTAAGGACCTTGTTC
CCAGAACTGTCATCCACAGATGAGGAACTAGGAAAGACTGAGAGAGAGTTGCTAGCCATGGT
CTCCTCCATCCAAATAAATTGGTCAGTCACAGAATCTGTGTTTCCTCCCTTTAGCAGAGAAATG
TTTGACAGGTTCAGATCTTCTCCTCCCGATTCAGAGTACATCACGAGGATAGTGAGCAGATGC
CTCATAAATTCTCAAGAGAAACTCATCAATAATTCCTTCTTTGCTGAAGGGAATGATAAAGTT
TTGAGATTTTCAAAAAACGCTGAGGAGTGTTCCTTGGCAATAGAGAGAGCTTTAAATCAGTAT
AGGGCAGAAGACAACCTTAGGGACCTAAATGACCACAAGTCTACTATTCAGCTGCCTCCCTG
GCTGTCCTATCACGATGCCGATGGCAAAGATCTGTGCCCTCTTCAGGGATTAGATGTGAGAGG
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CCAGATGAAAGAAACAGATACCATAGAGTCCATCTGAATATGGACTCAGATGATAGTGTCTA
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AAGAGCTTAGATTGGCAGCTCAGAGAATTCATCAGCCATCCTTATCAGAAAGGGGCTTCAAT
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CAGTTTAATAGGAGCTGAGCTATCAGCTTCTGTAAAGCAACATGTTAAGCCTAACTATTTTGT
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GATCTGGAGAGGCTTCATGGATGGATATCAGGTCCATCTTGAGATAGAAAATGACATAGGAC
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CCAATAAGGCAGTGGGCAGAAGACATGGGGGTCACAAACAACCAGGATTATTCCTCTAAATC
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TGTCAACCTCTTTGGGCCAGCCCATTACAAGGACATCAGTTCATTATCTATGATTGCTCATCCC
TTAATGGATAAGTTTGTTGATTATGCCATTTCCAAGATGGGGAGAGCCTCAGTTAGAAAAGTT
CTAGAGACAGGTCGGTGCTCTAGCAAAGACTATGATTTATCAAAGGTTCTCTTCAGAACTCTA
CAGAGACCAGAAGAGAGCATTAGGATAGATGATCTGGAGTTATATGAGGAGACAGATGTGG
CGGATGACATGCTAGGCTAAGACCAATAAGCAAAGTCAGGCTTAGATTTAGGGATACTACGC
TAGTATTGGAATCCATGTGGGTTCTGATACTAGCATAGTGCTACAATATTGGGCGGTCTTTGTG
T

>Rift valley fever virus segment M (animal origin)

ACACAAAGACGGTGCATTAAATGTATGTTTTACTAACAATTCTGATCACGGTTCTGGTGTGTG
AGGCGGTTATTAGAGTGTCTCTAAGTTCCACAAGAGAAGAGACCTGCTTTGGTGACTACACCA
ACCCAGAGATGATTGAAGGAGCTTGGGATTCACTCAGAGAGGAGGAGATGCCAGAGGAGCT
CTCCTGTTCCATATCAGGCATAAGGGAGGTCAAAACCTCAAGCCAGGAATTGTATAGGGCATT
AAAAGCCATCATTGCTGCTGATGGCTTGAACAACATCACCTGCCATGGTAAGGATCCTGAGG
ATAAGATTTCTCTCGTAAAGGGTCCTCCTCACAAAAAGCGGGTGGGGATAGTTCGGTGTGAGA
GACGAAGAGACGCTAAGCAAATAGGAAGAGAAACCATGGCAGGGATTGCAATGACAGTCCT
TCCAGCCTTAGCAGTTTTTGCTTTGGCACCTGTTGTTTTTGCTGAAGACCCTCATCTCAGAAAC
AGACCAGGGAAGGGGCACAACTACATTGACGGGATGACTCAGGAGGACGCCACATGCAAAC
CTGTGACATATGCTGGGGCTTGTAGCAGTTTTGATGTCTTGCTCGAAAAGGGAAAATTCCCCCT
CTTCCAGTCGTATGCCCATCACAGAACCCTACTAGAAGCAGTTCACGACACCATCATTGCAAA
GGCTGATCCACCTAGCTGTGACCTTCAGAGTGCTCATGGGAATCCCTGCATGAAGGAGAAACT
CGTGATGAAGACACACTGTCCAAATGACTACCAGTCAGCTCATTACCTCAACAATGACGGGA
AAATGGCTTCAGTCAAGTGCCCTCCTAAATATGAGCTCACTGAGGACTGCAATTTTTGCAGGC
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AAGAAGTGCACTGGGGACGCAGCTTTTTGCTCTGCTTATGAGTGCACTGCTCAATACGCCAAT
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CAGAGAGTTGAGCCTTGCACAACTTGTATAACCAAATGTGAGCCTCACGGATTGGTTGTCCGA
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CCCCAGGATCCATGCCTAGTGCATGGCTGCATAGTGTGTGCTCATGGCCTGATAAATTACCAG
TGTCACACTGCTCTCAGTGCCTTTGTTGTTGTGTTCGTATTTAGCTCTGTCGCAATAATTTGTTTG
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ATCAATCAGGTGAACAGGGAAATAGGATGGATGGAAGGAGGCCAGCTGGCTCTAGGGAACC

CTGCCCCTATTCCTCGTCATGCTCCAATTCCACGTTATAGCACATACCTAATGCTACTATTGAT
TGTCTCATATGCATCAGCATGTTCAGAACTGATTCAGGCAAGCTCCAGAATCACCACTTGCTC
CACAGAAGGTGTCAACACCAAGTGTAGGCTGTCTGGCACAGCATTAATCAGGGCAGGGTCAG
TTGGGGCAGAGGCTTGTTTGATGTTAAAGGGGGTCAAGGAAGACCAAACCAAGTTTTTGAAG
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AGCCCTAAATGTCTGAGCTCAAGGAGATGCCATCTTGTCGGGGAATGTCATGTGAATAGGTGT
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CGGGAGAACAAGTGTTTTGAGCAGTGTGGAGGATGGGGATGTGGGTGTTTCAATGTGAACCC
ATCTTGCTTATTTGTGCACACGTATCTGCAGTCAGTCAGAAAAGAGGCCCTTAGAGTTTTCAAC
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AGCCCATGATAGATCAGTTGGAGTGCACAACAAATCTGATTGATCCCTTTGTTGTCTTTGAGA
GGGGCTCTCTGCCACAGACAAGGAATGACAAAACCTTTGCAGCTTCAAAAGGAAATAGGGGT
GTTCAAGCTTTCTCTAAGGGCTCTGTACAGGCTGATCTAACACTGATGTTTGACAATTTTGAGG
TGGACTTTGTGGGAGCAGCCGTGTCTTGTGATGCCGCCTTCTTAAATTTGACAGGTTGCTATTC
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GGCTTGCTGCCACCAAGAAAGCCTCATAGATCAGTACGTGTAGAAGCAATATATAGAAATAA
GTAAACATAAGCAAATCTAATTATGTAAATATTGTACAGATGGGTCAAACTATTGGGATATCC
AAGTTTAGAATCTTGTACAATAGTACTTTAGATGTAAGCTTAGTTGTAATTTGGGGTGGTGGGG
TGAGGCAGCAGTAGTCTCAAGTACATGTGGATATTCTAGTTAATGTGAATGTCTTTTGCCAGAT
TAGCTGGGAATTAAACTAACTCTTTGAAGTTGCACCGGTCTTTGTGT

>Rift valley fever virus segment S (animal origin)

TCCGTACAGTTATACGTATTACTAAAGGTTAACCTGGTAACTGGGACACAAGACTCCAGCACA
GGACCACCTGAGCCACCTCCAACCACCACCAGCAAAACCAGCAAAAACCTTTTCAGAAACAT
ATTGATCCTAATAAGCTAGGCCATATGACTCACATTCAGTGTGTTCGGCTCCTGCAGGGGCAG
CAAGAGAGGATATTTCTAATGCTGTAGTTCCAAACTCAGCTCTCATTGATCTTATGGAGGGAG
AAGAAACGATGCTGCGCTCATCCACTCCCCTAGCATGATGGGGAGAAACAACTGGAGTTCCA
GTTGTTCCTCCAATCCCAGATGTTGAGATAGAATCAGAGGAAGAGGTGATGACGATGGATATT
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GACCGTAACCCCAACCACCCCTTTTCCCCAAACCCCTGGGCAGCCACTTAGGCTGCTGTCTTG
TACGCCTGAGCAGCTGCCATGACAGCTGCTGACGGCTTCCCATTGGAATCCACAAGCCCAAA
AGCTTTCAAGAATTCTCTCCTCTTCTCATGGCTTATAAAGTTGCTATTCACTGCTGCATTCATTG
GCTGCGTGAACGTTGCGGCAACCTCCTCCTTTGTTCTACCTCGGAGGTTTGGGTTGATGACCCG
GGAGAACTGCAGCAGATACAGAGAGTGAGCATCCAATATTGCCCTTAGATAGTCTTCTGGTA
GAGAAGGGTCCACCATGCCAGCAAAGCTGGGGTGCATCATATGCCTTGGGTATGCAGGGGAT

AGGCCATCCATGGTGGTCCCAGTGACAGGAAGCCACTCACTCAAGACGACCAAAGCCTGGCA
AGTCCAGCCAGCCAGGGCAGCAGCAACTCGTGATAGAGTCAACTCATCCCGGGAAGGATTCC
CCTCCTTTAGCTTATACTTGTTGATGAGAGCCTCCACAGTTGCTTTGCCTTCTTTCGACATTTTC
ATCATCATCCTCCGGGGCTTGTTGCCACGAGTCAGAGCCAGAACAATCATTTTCTTGGCATCCT
TCTCCCAGTCAGCCCCACCATACTGCTTTGAGAGTTCGATAACCCTACGGGCATCAAATCCTT
GATAAGCAAACTCTCGGACCCACTGTTCAATCTCATTGCGGTCCACTGCTTGAGCAGCAAACT
GGATCGCAAGCTCTTGATTAGTTGTCCATTATTGTAATGTAGTGTTTGTATCTCTAAAAGGGAG
CNNNGTGG

> Dugbe virus segment S (animal origin)

TCCCACAGTAACACCACNNGCCGGAGCTCTGCAGATCTCGCCCGGTGTGCTTACTTTGAAAG
AAGCAAGATGGAGAATCAGATCAAGGCAAACAATNAAAAAGAGTTTGATGAGTGGTTTAAA
CCTTTTAGTGAAAAGCTCCAATTAAGGTCAAACCTCACAAACTCTGCATCCCTGTGTGATAGA
GTACCTGACCTAGCTCTAGCAGAAATGAAAATGGCCCTTGCCACAGATGATAAAGAAAAAGA
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CAGCCTTTTATTGGGCTTGGAGCGCTGGGGTTAAGCCAGAGACATTTTTCACTTTGTCTCAATT
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> Dugbe virus segment M (animal origin)

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> Dugbe virus segment L (animal origin)

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>Nairobi sheep disease virus segment S (animal origin)

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>Nairobi sheep disease virus strain segment L (animal origin)

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>Nairobi sheep disease virus segment M (animal origin)

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>Middelburg virus (animal origin)

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TAGA

>Wesselsbron virus (animal origin)

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GCAGAGCTCCGGCAGGTGCTGGTGTT

Segment	Accession No.
L	NC_005301.3
M	NC_005300.2
S	NC_005302.1

Suppl. Table S3 Reference sequences used for the genome assembly (de-novo and map-to-reference)

3.1 CCHFV

3.2 RVFV

Segment	Accession No.
L	NC_014397.1
M	NC_014396.1
S	NC_014395.1

3.3 DUGV

Segment	Accession No.
L	NC_004159.1
M	NC_004158.1
S	NC_004157.1

3.4 NSDV

Segment	Accession No.
L	NC_034387.1
M	NC_034391.1
S	NC_034386.1

3.5 MIDV

NC_024887.1

3.6 WSLV

NC_012735.1