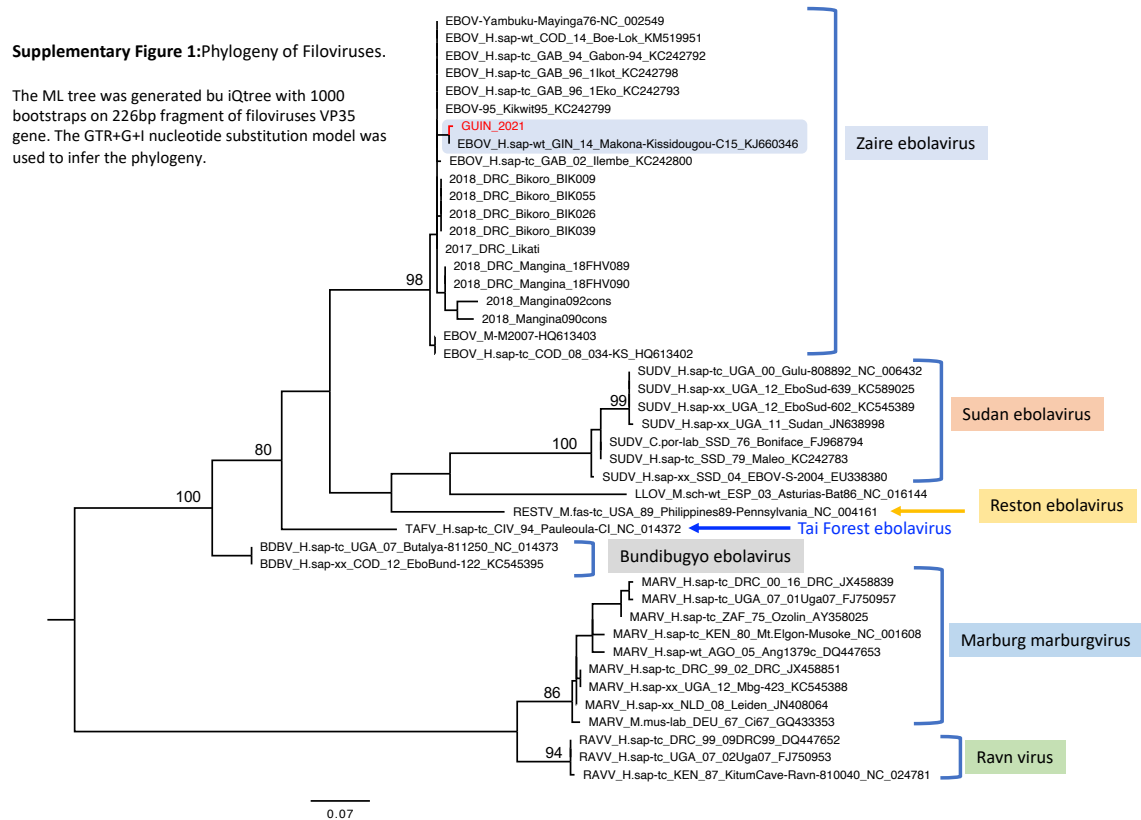

Supplementary information

Resurgence of Ebola virus in 2021 in Guinea suggests a new paradigm for outbreaks

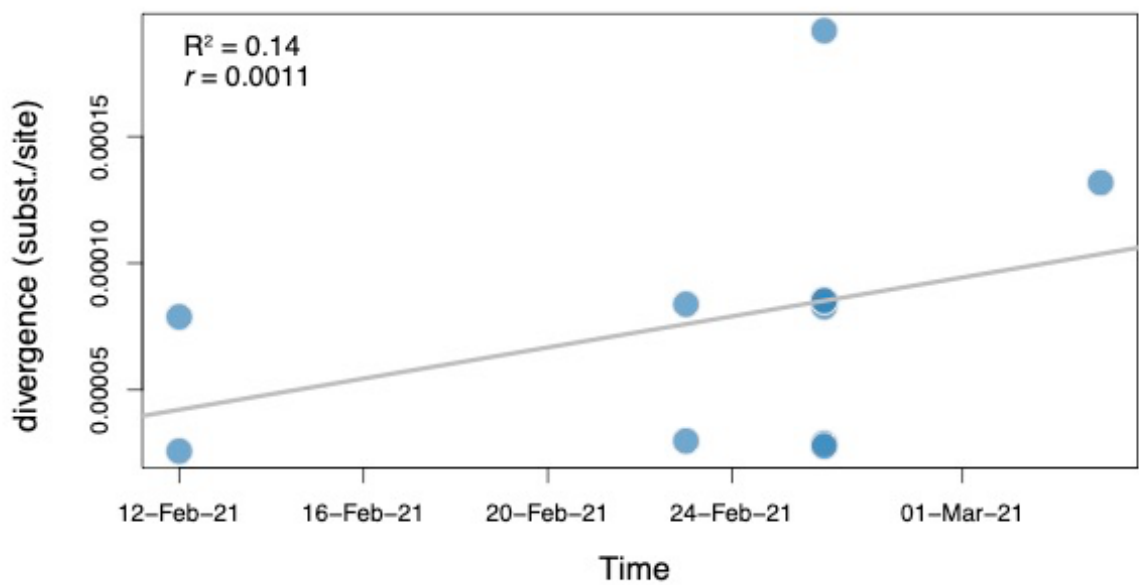
In the format provided by the
authors and unedited

Supplementary Information is available for this paper

Supplementary Figure 1: Maximum likelihood (ML) tree showing phylogenetic relationships of one sample from the 2021 outbreak in Gouécké, Guinea, and other filovirus using partial VP35 sequences. Phylogenetic analyses were done using Maximum Likelihood methods using IQ-Tree with 1,000 bootstraps for branch support. The GTR model plus a discrete gamma model were used as nucleotide substitution models, as described in Methods. The new strain is highlighted in red, in the clade of the *Zaire Ebolavirus* species.



Supplementary Figure 2: Temporal divergence plot of genetic divergence from the root of the phylogenetic tree against time of sampling for the 12 genomes sampled in 2021 in Guinea. The R-squared value and the regression slope, an estimate of the evolutionary rate (in substitutions per site per year), are shown in the upper left corner. While the suggested evolutionary rate is within the expectations for the West African outbreak EBOV evolutionary rate (cfr. our local molecular clock analysis), we did not find statistically supported temporal signal in these genome data.



Supplementary Table S1: Details of primers used by PFHG in the amplicon-based strategy to obtain full length genome EBOV sequences.

Primer scheme name	Name	Pool	Sequence
V3	Ebov-10-Pan_1_LEFT	1	TGTGTGCGAATAACTATGAGGAAGA
V3	Ebov-10-Pan_1_RIGHT	1	TTTCCAATGTTTTACCCCAAGCTTT
V3	Ebov-10-Pan_1_RIGHT_alt1	1	TTTCCAATGCTTTACCCCAAGCTTT
V3	Ebov-10-Pan_1_RIGHT_alt2	1	TTTCCAATGTTTTACCCCAAGTTTT
V3	Ebov-10-Pan_10_LEFT	2	ACAATGGGATGATTCAACCGACA
V3	Ebov-10-Pan_10_LEFT_alt1	2	ATAATGGGATGATTAAACCGACA
V3	Ebov-10-Pan_10_RIGHT	2	TCGAGTGCTAGAGAATTCAATTGACG
V3	Ebov-10-Pan_11_LEFT	1	ACCTACTAGCCTGCCCAACATT
V3	Ebov-10-Pan_11_LEFT_alt1	1	ACCTACTAGCCTACCCAACATT
V3	Ebov-10-Pan_11_RIGHT	1	AATTGGGTCCGTTTGGGTTTGA
V3	Ebov-10-Pan_11_RIGHT_alt1	1	AATTGGATCCGTTTGGGTTTGA
V3	Ebov-10-Pan_12_LEFT	2	CCCAAATGCAACAAACGAAGCC
V3	Ebov-10-Pan_12_LEFT_alt1	2	CCCAAATGCAACAAACAAAGCC
V3	Ebov-10-Pan_12_RIGHT	2	TCAATCTTACCCCGAATCGCAC
V3	Ebov-10-Pan_12_RIGHT_alt1	2	TCAATCTTACCCCGAATTGCAC
V3	Ebov-10-Pan_13_LEFT	1	TATTGGGCCGAACATGGTCAAC
V3	Ebov-10-Pan_13_LEFT_alt1	1	TATTGGGCTGAACATGGTCAAC
V3	Ebov-10-Pan_13_RIGHT	1	TGACAGGTGGAGCAGCATCTTG
V3	Ebov-10-Pan_14_LEFT	2	CATTCATGCTGAGTTCCAGGCC
V3	Ebov-10-Pan_14_RIGHT	2	GCGAGATATGAACAATTTTATCTTGGTCG
V3	Ebov-10-Pan_14_RIGHT_alt1	2	GCGAGATAAGGACAATTTTATCTTGGTCG
V3	Ebov-10-Pan_14_RIGHT_alt2	2	GCGAGATAAGAACAATTTTATCTTGGTCG
V3	Ebov-10-Pan_15_LEFT	1	TGAGTATCAGCCCTGGATAATATAAGTCA
V3	Ebov-10-Pan_15_LEFT_alt1	1	TGAGTATCAGCCCTAGATAATATAAGTCA
V3	Ebov-10-Pan_15_RIGHT	1	TCGATGGAGTGTCCCCATTGAC
V3	Ebov-10-Pan_15_RIGHT_alt1	1	TCGATGGAGTGTCTCCATTGAC
V3	Ebov-10-Pan_16_LEFT	2	GCAACAGCAATACAGGCTTCCT
V3	Ebov-10-Pan_16_LEFT_alt1	2	GCAACAACAATACAGGCTTCCT
V3	Ebov-10-Pan_16_RIGHT	2	GAAAGCCTGGTTTCCAATTCGC
V3	Ebov-10-Pan_16_RIGHT_alt1	2	GAAGGCCTGGTTTCCAATTCGC
V3	Ebov-10-Pan_17_LEFT	1	CCACTTGTCAGAGTCAATCGGC
V3	Ebov-10-Pan_17_RIGHT	1	GTTTCTGGCACTTCGATTCCCA

	Ebov-10-		
V3	Pan_17_RIGHT_alt1	1	GTTTCTGGCACTTCGATACCCA
V3	Ebov-10-Pan_18_LEFT	2	AAAATCCAAGCAATAATGACTTCACTCC
V3	Ebov-10-Pan_18_RIGHT	2	TTGATCAATTAATAAGTGTCTCCTCTAATGG
	Ebov-10-		
V3	Pan_18_RIGHT_alt1	2	TCGATCAATTTAAAGTATCTCCTCTAATGG
	Ebov-10-		
V3	Pan_18_RIGHT_alt2	2	TTGATCAATTAATAAGTATCTCCTCTAATAG
V3	Ebov-10-Pan_19_LEFT	1	AGATCCAGTTTTATAGAATCTTCTCAGGGA
V3	Ebov-10-Pan_19_LEFT_alt1	1	AGATCCAGTTTTACAGAATCTTCTCAGGGA
V3	Ebov-10-Pan_19_RIGHT	1	AGAAGGGCAATGTCTGTACTTGG
	Ebov-10-		
V3	Pan_19_RIGHT_alt1	1	AGAAGGGCGATGTCTGTGCTTGG
V3	Ebov-10-Pan_2_LEFT	2	CAAGCAAGATTGAGAATTAACCTTGGT
V3	Ebov-10-Pan_2_LEFT_alt1	2	CAAGCAAGATTGAGAATTAACCTTGAT
V3	Ebov-10-Pan_2_RIGHT	2	ATCTCCCTGGTACGCATGATGA
V3	Ebov-10-Pan_2_RIGHT_alt1	2	ATCTCCTTGGTACGCATGATGA
V3	Ebov-10-Pan_20_LEFT	2	AGCCAGTGTGACTTGGATTGGA
V3	Ebov-10-Pan_20_RIGHT	2	AGTTTGTGACATCACTAACCTGT
	Ebov-10-		
V3	Pan_20_RIGHT_alt1	2	AGTTTGTGACATCACTAACTTGT
V3	Ebov-10-Pan_21_LEFT	1	AGAACATTTTCCATCCCCTTGGGA
V3	Ebov-10-Pan_21_RIGHT	1	AAGCACCTCTTTATGGAAGGC
	Ebov-10-		
V3	Pan_21_RIGHT_alt1	1	AAGCACCTCTTTGTGGAAGGC
V3	Ebov-10-Pan_22_LEFT	2	TGCCGGTATGTGCACAAAGTAT
V3	Ebov-10-Pan_22_RIGHT	2	ATATATTGTCTCATTGAGCTGGAGCA
V3	Ebov-10-Pan_23_LEFT	1	CGAGGTTGACAATTTGACCTACGT
V3	Ebov-10-Pan_23_RIGHT	1	GCAAGGGTTGTTAGATGCGACA
	Ebov-10-		
V3	Pan_23_RIGHT_alt1	1	GCAAGGGTTGTCAGATGCGACA
V3	Ebov-10-Pan_24_LEFT	2	TGCAATGGTTCAAGTGCACAGT
V3	Ebov-10-Pan_24_LEFT_alt1	2	TGCAATGGTTCAAGTGCACAAT
V3	Ebov-10-Pan_24_RIGHT	2	CTGGCACTCTCTTCTCCGGTAT
V3	Ebov-10-Pan_25_LEFT	1	ACCACAACAAGTCCCCAAAACC
V3	Ebov-10-Pan_25_RIGHT	1	TAGCTCAGTTGTGGCTCTCAGG
	Ebov-10-		
V3	Pan_25_RIGHT_alt1	1	TAGCTCGGTTGTGGCTCTCAGG
V3	Ebov-10-Pan_26_LEFT	2	ATCTGTGGGTTGAGACAGCTGG
V3	Ebov-10-Pan_26_LEFT_alt1	2	ATCTGTGGATTGAGGCAGCTGG
V3	Ebov-10-Pan_26_LEFT_alt2	2	ATCTGTGGGTTGAGGCAGCTGG
V3	Ebov-10-Pan_26_RIGHT	2	GCTTTTCCATGAAGCAATCTGAAGA
	Ebov-10-		
V3	Pan_26_RIGHT_alt1	2	GCTTTGCCATGAAGCAATCTGAAGA
V3	Ebov-10-Pan_27_LEFT	1	TGGAGTTACAGGCGTTATAATTGCA

V3	Ebov-10-Pan_27_RIGHT	1	AAAGGCTTCTTTCCCTTGCTCACT
V3	Ebov-10-Pan_28_LEFT	2	TCATCCTTGATTCTACAATCATGACAGT
V3	Ebov-10-Pan_28_LEFT_alt1	2	TCATCCTTGATTCTACAATCATAACAGT
V3	Ebov-10-Pan_28_RIGHT	2	AGGTGCTGGAGGAACTGTTAATG
V3	Ebov-10-Pan_29_LEFT	1	GAGTACCGTCAATCAAGGAGCG
V3	Ebov-10-Pan_29_RIGHT	1	CACAGCACATAGAGTCAACAATGC
V3	Ebov-10-Pan_3_LEFT	1	GGCCTTTGAAGCAGGTGTTGAT
V3	Ebov-10-Pan_3_RIGHT	1	TCAGTCCTTGCTCTGCATGTAC
V3	Ebov-10-Pan_30_LEFT	2	GATCAAGACGGCAGAACACTGG
V3	Ebov-10-Pan_30_RIGHT	2	ATCAGACCATGAGCATGTCCCC
V3	Ebov-10-Pan_31_LEFT	1	CTGCTGTCGTTGTTTCAGGGTT
V3	Ebov-10-Pan_31_RIGHT	1	ATGGGATGGATCGTTGCTACCT
	Ebov-10-		
V3	Pan_31_RIGHT_alt1	1	ATGGGATGGATCGTTGCTGCCT
	Ebov-10-		
V3	Pan_31_RIGHT_alt2	1	ATGAGATGGATCGTTGCTACCT
V3	Ebov-10-Pan_32_LEFT	2	GCCAAGCATACCTCTTGACAA
V3	Ebov-10-Pan_32_RIGHT	2	TGGACTIONCTGAAATAGTACTTTGC
V3	Ebov-10-Pan_33_LEFT	1	TGCGGAGGTCTGATAAGAATAAAC
V3	Ebov-10-Pan_33_RIGHT	1	TTCAACCTTGAAACCTTGCGCT
	Ebov-10-		
V3	Pan_33_RIGHT_alt1	1	TTCAACTTTGAAACCTTGCGCT
V3	Ebov-10-Pan_34_LEFT	2	GCTGAAAAGAAGCTTACCTACAACG
V3	Ebov-10-Pan_34_LEFT_alt1	2	GTTGAAAAAAGGCCTACCTACAACG
V3	Ebov-10-Pan_34_LEFT_alt2	2	GCTGAAAAGAAGCCACCTACAACG
V3	Ebov-10-Pan_34_RIGHT	2	TCCTTGTCATTGACCATGCAGG
V3	Ebov-10-Pan_35_LEFT	1	GTGACTCACAAGGAATGGCCC
V3	Ebov-10-Pan_35_RIGHT	1	ACAATCCGTTGTAGTTCACGACA
	Ebov-10-		
V3	Pan_35_RIGHT_alt1	1	ACAACCCGTTGTAGTTCACGACA
V3	Ebov-10-Pan_36_LEFT	2	TGCTGTCGTTGATTTCGATCCAA
V3	Ebov-10-Pan_36_RIGHT	2	AGCAGAGATGTCAAGATAACTATTGAGT
V3	Ebov-10-Pan_37_LEFT	1	ACACGAATGCAAAGTTTGATTCTTGA
V3	Ebov-10-Pan_37_RIGHT	1	TGAAACCTAACACATGTGACCTGC
	Ebov-10-		
V3	Pan_37_RIGHT_alt1	1	TGAAACCTAACACACGTGACCTGC
V3	Ebov-10-Pan_38_LEFT	2	CCCTCAAACAAGAGATTCCAAGACA
V3	Ebov-10-Pan_38_LEFT_alt1	2	CCCTCAAATAAGAGATTCCAAGACA
V3	Ebov-10-Pan_38_LEFT_alt2	2	TCCTCAAATAAGAGATTCCAAGACA
V3	Ebov-10-Pan_38_RIGHT	2	ACAGTTGCGTAGTTGCGGATTA
V3	Ebov-10-Pan_39_LEFT	1	ACCTAGTCACTAGAGCTTGCGG
V3	Ebov-10-Pan_39_RIGHT	1	ACATTTGATGTAAAAATTTCATTGCCCTG
V3	Ebov-10-Pan_4_LEFT	2	CCTTTGCAAGTCTATTCCTTCCGA
V3	Ebov-10-Pan_4_LEFT_alt1	2	CTTTTGCAAGTCTATTCCTTCCGA

V3	Ebov-10-Pan_4_RIGHT	2	CTGAGTGCAGCCTTAAAGGAGT
V3	Ebov-10-Pan_40_LEFT	2	GTGGGTGCTCAAGAAGACTGTG
V3	Ebov-10-Pan_40_LEFT_alt1	2	GTGGGTGCTCAAGAGGACTGTG
V3	Ebov-10-Pan_40_RIGHT	2	TGAGATTAGAGTTGTGTTGAATCGACA
	Ebov-10-		
V3	Pan_40_RIGHT_alt1	2	TGAGATTAGAGTCGTGTTGAATCGACA
V3	Ebov-10-Pan_41_LEFT	1	AAGAAGCGGTTCAAGGGCATAAC
V3	Ebov-10-Pan_41_LEFT_alt1	1	AAGAAGCAGTTCAAGGGCATAAC
V3	Ebov-10-Pan_41_RIGHT	1	CTATGGAATTCACGGATCTTTTGAGC
	Ebov-10-		
V3	Pan_41_RIGHT_alt1	1	CTATGGAATTCACGGATCTTTTGATC
V3	Ebov-10-Pan_42_LEFT	2	TGCATTTAGCTGTAAATCACACCCT
V3	Ebov-10-Pan_42_RIGHT	2	AATCATTGGCAACGGAGGGAAT
	Ebov-10-		
V3	Pan_42_RIGHT_alt1	2	AATCATTGGCAACGGGGGGAAT
V3	Ebov-10-Pan_43_LEFT	1	GTCAAGGATCTTGGTACAGTGTTACT
V3	Ebov-10-Pan_43_LEFT_alt1	1	GCCAAGGGTCTTGGTACAGTGTTACT
V3	Ebov-10-Pan_43_LEFT_alt2	1	GTCAAGGGTCTTGGTACAGTGTTACT
V3	Ebov-10-Pan_43_RIGHT	1	TGAGAAAGAAAAGTTCCGATATTGTGGT
	Ebov-10-		
V3	Pan_43_RIGHT_alt1	1	TGAGAAAGAAAAATTCCGGTATTGTGGT
	Ebov-10-		
V3	Pan_43_RIGHT_alt2	1	TGAGAAAGAAAAATTCCGATATTGTGGT
V3	Ebov-10-Pan_44_LEFT	2	TTGAGAATGTTCTTTCCTACGCACA
V3	Ebov-10-Pan_44_LEFT_alt1	2	TTGAGAATGTTCTTTCCTACGCGCA
V3	Ebov-10-Pan_44_RIGHT	2	ACGGTTGCAATATTCTATAAAAGGTGC
	Ebov-10-		
V3	Pan_44_RIGHT_alt1	2	ACGGTTGCAATATTCTATAAAAGGTGC
	Ebov-10-		
V3	Pan_44_RIGHT_alt2	2	ACGGTTACAATATTCTATAAAAGGTGC
V3	Ebov-10-Pan_45_LEFT	1	CCACAGTTAGAGGGAGTAGCTTTG
V3	Ebov-10-Pan_45_LEFT_alt1	1	CCACAGTTAGAGGGAGTAGTTTTG
V3	Ebov-10-Pan_45_RIGHT	1	GCTCGTCTGCGTCAGTCTCTAA
V3	Ebov-10-Pan_46_LEFT	2	AAGTTACGCTCAGCTGTGATGG
V3	Ebov-10-Pan_46_RIGHT	2	ATGGAAAGCTGCGGTTATCCTG
V3	Ebov-10-Pan_47_LEFT	1	TAGGCACTGCTTTTGAGCGATC
V3	Ebov-10-Pan_47_LEFT_alt1	1	TAGGCACCGCTTTTGAGCGGTC
V3	Ebov-10-Pan_47_LEFT_alt2	1	TAGGCACTGCTTTTGAACGATC
V3	Ebov-10-Pan_47_RIGHT	1	CACAAAGTCAATGGCAGTGCAG
V3	Ebov-10-Pan_48_LEFT	2	TCTCCGAATGATTGAGATGGATGATT
V3	Ebov-10-Pan_48_LEFT_alt1	2	TCTCCGAATGATTGGGATGGATGATT
V3	Ebov-10-Pan_48_RIGHT	2	CTCAGTCTGTCCAAAACCGGTG
V3	Ebov-10-Pan_49_LEFT	1	GATATCTTTTCACGCACGCCGA
V3	Ebov-10-Pan_49_LEFT_alt1	1	GATATCTTTTCACGCACGCCCA

V3	Ebov-10-Pan_49_RIGHT	1	CCACCTGGTTGCTTTGCATTG
	Ebov-10-		
V3	Pan_49_RIGHT_alt1	1	CCACCAGGTTGCTTTGCATTG
V3	Ebov-10-Pan_5_LEFT	1	AGTTCGTCTCCATCCTCTTGCA
V3	Ebov-10-Pan_5_RIGHT	1	CTGGAAGCTGATTTCGTTCTTTTTCT
V3	Ebov-10-Pan_50_LEFT	2	TCAAAGTGTTTTGGCTGAAACCCT
V3	Ebov-10-Pan_50_LEFT_alt1	2	TCAAAGTGTTTTGGCTGAAACCCT
V3	Ebov-10-Pan_50_RIGHT	2	TCCTGAGTAATGTGAAGGGGTCA
	Ebov-10-		
V3	Pan_50_RIGHT_alt1	2	TCCTGAGTAATGTGAAGGAGTCA
V3	Ebov-10-Pan_51_LEFT	1	AACAGTGACTTGCTAATAAAACCATTTTTG
V3	Ebov-10-Pan_51_LEFT_alt1	1	AACAGTGACTTGCTAATAAAGCCATTTTTG
V3	Ebov-10-Pan_51_LEFT_alt2	1	AACAGTGATTGCTAATAAAACCATTTTTG
V3	Ebov-10-Pan_51_RIGHT	1	AAATACTGAGCTGGTACTTCCCC
V3	Ebov-10-Pan_52_LEFT	2	AATCGTGCTCACCTTCATCTAACT
V3	Ebov-10-Pan_52_RIGHT	2	CCCAAACTGTACAGAAGTCCTATCT
V3	Ebov-10-Pan_53_LEFT	1	ACAGACCCAATTAGCAGTGGAGA
V3	Ebov-10-Pan_53_LEFT_alt1	1	ACAGACCCAATTAGCAGCGGAGA
V3	Ebov-10-Pan_53_RIGHT	1	ACAATTGTTCCGCGATTAATTATCCAT
	Ebov-10-		
V3	Pan_53_RIGHT_alt1	1	ACAATTGTTCCGCGATTAATTATCCACT
V3	Ebov-10-Pan_54_LEFT	2	TCTCAGATGCGGCCAGGTTATT
V3	Ebov-10-Pan_54_LEFT_alt1	2	TCTCAGATGCGGCCAGATTATT
V3	Ebov-10-Pan_54_RIGHT	2	TGACCATCACTGTTGTTGTGCT
V3	Ebov-10-Pan_55_LEFT	1	TGGAGGAGCAGACACAGAAACA
V3	Ebov-10-Pan_55_LEFT_alt1	1	TGGAGGAGCAGGCACAGAAACA
V3	Ebov-10-Pan_55_LEFT_alt2	1	TGGAGAAGCAGGCACAGAAACA
V3	Ebov-10-Pan_55_RIGHT	1	ATGACGTTAATTGGCGTGTCCC
	Ebov-10-		
V3	Pan_55_RIGHT_alt1	1	ATGACGTCAATTGGCGTGTCCC
	Ebov-10-		
V3	Pan_55_RIGHT_alt2	1	ATGACGTTAATTGGCGCGTCCC
V3	Ebov-10-Pan_56_LEFT	2	CTCACACCGTCTAGTCCTACCT
V3	Ebov-10-Pan_56_LEFT_alt1	2	CTCGCACCGTCTAGTCCTACCT
V3	Ebov-10-Pan_56_LEFT_alt2	2	CTCACATCGTCTAGTCCTACCT
V3	Ebov-10-Pan_56_RIGHT	2	TTTGACATAACAGGTAGAAGCATCCT
V3	Ebov-10-Pan_57_LEFT	1	ACACGCTAGCTACTGAGTCCAG
V3	Ebov-10-Pan_57_RIGHT	1	ATTGGCTTAATTAAATAACCAAGTGGCA
V3	Ebov-10-Pan_58_LEFT	2	TGAAAGCAGTGGTCCTTAAAGTCT
V3	Ebov-10-Pan_58_RIGHT	2	TGCTCTAAGATGTGCTAAGTGCTG
	Ebov-10-		
V3	Pan_58_RIGHT_alt1	2	TGCTCTAAGATGTGCCAAGTGCTG
V3	Ebov-10-Pan_59_LEFT	1	CGTCGATTCAAAAAGAGGTCCACT
V3	Ebov-10-Pan_59_RIGHT	1	TCAGAAGCCCTGTCAGCCTTTC

V3	Ebov-10-Pan_6_LEFT	2	GAGTCTCGCGAACTTGACCATC
V3	Ebov-10-Pan_6_LEFT_alt1	2	GAATCTCGCGAACTTGACCATC
V3	Ebov-10-Pan_6_RIGHT	2	TCCTCGTCGTCTCTCGTCTAGAT
V3	Ebov-10-Pan_6_RIGHT_alt1	2	TCCTCATCGTCCTCGTCTAGAT
V3	Ebov-10-Pan_60_LEFT	2	AGATTGCAATTGTGAAGAACGTTTCT
V3	Ebov-10-Pan_60_RIGHT	2	AGAGTGCAGAGTTTATTATGTTGCGT
V3	Ebov-10-Pan_61_LEFT	1	TCACAATGCAGCATGTGTGACA
V3	Ebov-10-Pan_61_RIGHT	1	AGGTATTTCTGATTTTACAGTCCTGCC
V3	Ebov-10-Pan_61_RIGHT_alt1	1	AGGTATTTATGATTTTACAGTCCTGCC
V3	Ebov-10-Pan_61_RIGHT_alt2	1	AGGTATTTCTGATTTTACAGTCATGCC
V3	Ebov-10-Pan_62_LEFT	2	CCTGTCAGATGGAATAGTGTTTGGT
V3	Ebov-10-Pan_62_RIGHT	2	AATTTTTGTGTGCGACCATTTTTCC
V3	Ebov-10-Pan_7_LEFT	1	AGCTACGGCGAATACCAGAGTT
V3	Ebov-10-Pan_7_RIGHT	1	GTCCCTGTCCTGCTCTTCATCA
V3	Ebov-10-Pan_7_RIGHT_alt1	1	GTCCCTGTCCTGTTCTTCATCA
V3	Ebov-10-Pan_7_RIGHT_alt2	1	GTCCCTGTCCTGTTCTTCATCG
V3	Ebov-10-Pan_8_LEFT	2	TTAACGAAGAGGCAGACCCACT
V3	Ebov-10-Pan_8_LEFT_alt1	2	TCAACGAAGAGGCAGACCCACT
V3	Ebov-10-Pan_8_RIGHT	2	TTCCTCTTCAAGGGAGTCTGGA
V3	Ebov-10-Pan_8_RIGHT_alt1	2	TTCCTCTTCAAGGGAGTCCGGA
V3	Ebov-10-Pan_9_LEFT	1	GTGACAACACCCAGTCAGAACA
V3	Ebov-10-Pan_9_LEFT_alt1	1	GTGACAACACCCAGCCAGAACA
V3	Ebov-10-Pan_9_RIGHT	1	TCTTCCTGTTTTCGTTCCTTGACT
V3	Ebov-10-Pan_9_RIGHT_alt1	1	TCTTCCTGTTTGCGTTCCTTGACT
V3	Ebov-10-Pan_9_RIGHT_alt2	1	TCTTCCTGTTTGCGTTTCTTGACT

Primer scheme

name	Name	Pool	Sequence
V4	pan_EBOV_1_LEFT	1	AGAATTTTTAGGATCTTTTGTGTGCGA
V4	pan_EBOV_1_RIGHT	1	AATGTTTTACCCCAAGCTTTAGGG
V4	pan_EBOV_2_LEFT	2	CACAGTCAAACAAGCAAGATTGAGA
V4	pan_EBOV_2_RIGHT	2	ATCTCCCTGGTACGCATGATGA
V4	pan_EBOV_3_LEFT	1	ATACAGGCCTTTGAAGCAGGTG
V4	pan_EBOV_3_RIGHT	1	AGCTGTTGGATATTGTATCAGTCCT
V4	pan_EBOV_4_LEFT	2	GTAGGAGAAAAGGCTTGCCTTGA
V4	pan_EBOV_4_RIGHT	2	CATACTCTCCATGCTTGGCCAG
V4	pan_EBOV_5_LEFT	1	GTCTCCATCCTCTTGCAAGGAC
V4	pan_EBOV_5_RIGHT	1	AGTTACCATAGCGTTTGTTGCTG
V4	pan_EBOV_6_LEFT	2	ACCATCTTGGACTTGATGATCAGG
V4	pan_EBOV_6_RIGHT	2	ACTGGCTTAGTGTCCTCATCGT
V4	pan_EBOV_7_LEFT	1	CGGCGAATACCAGAGTTACTCG
V4	pan_EBOV_7_RIGHT	1	ACAGTGGGTGTGCGATTGGA
V4	pan_EBOV_8_LEFT	2	ACGTCTAGTCTTCCGCCCTT

V4	pan_EBOV_8_RIGHT	2	TCATTCATGGCCTCTTTTTTCAGTG
V4	pan_EBOV_9_LEFT	1	AGTGATGGCAAAGAGTACACGT
V4	pan_EBOV_9_RIGHT	1	TTATGGCTATAACTGTGGCTTAACG
V4	pan_EBOV_10_LEFT	2	AGGAAGAATTTTTGATGTCTAAGGTGTG
V4	pan_EBOV_10_RIGHT	2	TGCCCTTTGTTCTGGTTGTCAT
V4	pan_EBOV_11_LEFT	1	TGAATTCTCTAGCACTCGAAGCT
V4	pan_EBOV_11_RIGHT	1	TCAAGACTCGTAATGCGTTGTTCT
V4	pan_EBOV_12_LEFT	2	ACAAACATTGGCTTCATTGGCT
V4	pan_EBOV_12_RIGHT	2	TTGCCGAAATGTCAGGTTTCCC
V4	pan_EBOV_13_LEFT	1	CCTCAAAGTGTTAGGGAGGCAT
V4	pan_EBOV_13_RIGHT	1	CCCAACCTCGATCAATCTTGGG
V4	pan_EBOV_14_LEFT	2	ATCCGCTCTCGAGGTGACATTC
V4	pan_EBOV_14_RIGHT	2	CTCTCAGTCGAGGTAGGTTTTTCT
V4	pan_EBOV_15_LEFT	1	AGGAGCTATATCTCTGACAGTATTATAATCA
V4	pan_EBOV_15_RIGHT	1	CTTTGGGGCCCCGATATGACATT
V4	pan_EBOV_16_LEFT	2	ATGACACCATCGACCATGCCA
V4	pan_EBOV_16_RIGHT	2	TCATCGGTCCATGTTGCAGC
V4	pan_EBOV_17_LEFT	1	GCCAGTCCAACCTACCCCAGTAT
V4	pan_EBOV_17_RIGHT	1	CCGGGTCCAAACCAATGTACTT
V4	pan_EBOV_18_LEFT	2	AGATCGTTCCAATTGATCCAACCA
V4	pan_EBOV_18_RIGHT	2	GTCTTTTGTTAAGTTCTACATTTAGGAGAGAA
V4	pan_EBOV_19_LEFT	1	CCAGTTTTACAGAATCTTCTCAGGGA
V4	pan_EBOV_19_RIGHT	1	AGAAGGGCAATGTCTGTACTTGG
V4	pan_EBOV_20_LEFT	2	CCAGTGTGACTTGGATTGGAGA
V4	pan_EBOV_20_RIGHT	2	AGTTTGTGACATCACTAACCTGT
V4	pan_EBOV_21_LEFT	1	TGGGTAATTATCCTTTTCCAAAGAACA
V4	pan_EBOV_21_RIGHT	1	ACCCTCTTTGTGGAAGGCAAAG
V4	pan_EBOV_22_LEFT	2	AAAACCTGACGGGAGTGAGTGT
V4	pan_EBOV_22_RIGHT	2	AGCAGAACTGTGGTGTGAATCT
V4	pan_EBOV_23_LEFT	1	TACCGGCTTTGGAACCAATGAG
V4	pan_EBOV_23_RIGHT	1	CCTTCCTTGACTGTGCACTTGA
V4	pan_EBOV_24_LEFT	2	ACCAACACAACAACCTGAAGACCA
V4	pan_EBOV_24_RIGHT	2	GATGAGTGTTGTTGTTGCCAGC
V4	pan_EBOV_25_LEFT	1	AACACCAACACGAGCAAGGG
V4	pan_EBOV_25_RIGHT	1	AGTTGAAGAGCTTGAGTCGTCTC
V4	pan_EBOV_26_LEFT	2	GAGGGAATTTACACAGAGGGGC
V4	pan_EBOV_26_RIGHT	2	GCATATACAGAATAAAGCGATAACTGCA
V4	pan_EBOV_27_LEFT	1	GGGGACAATGACAATTGGTGGA
V4	pan_EBOV_27_RIGHT	1	GACAACTGTCATGATTGTAGAATCAAGG
V4	pan_EBOV_28_LEFT	2	TCTCTTTGAGAATGATAAACTTGATGAAGA
V4	pan_EBOV_28_RIGHT	2	ATACAGTAGGAACGCGCACTTG
V4	pan_EBOV_29_LEFT	1	CGAGCACGATCATCATCCAGAG
V4	pan_EBOV_29_RIGHT	1	ATGTCTGTCTCGCCAGTGTT

V4	pan_EBOV_30_LEFT	2	ATCCAACGGCTGATGATTTC
V4	pan_EBOV_30_RIGHT	2	TAACCCTGAAACAACGACAGCA
V4	pan_EBOV_31_LEFT	1	GGCAACAATGGGACCGACAAT
V4	pan_EBOV_31_RIGHT	1	CGAGCGATACGAGATTATGATTTCT
V4	pan_EBOV_32_LEFT	2	CACTCTCGTTTCAAATTAATAAGATATGCA
V4	pan_EBOV_32_RIGHT	2	CCGCATTAATCTTCATCATTAGTTTAGC
V4	pan_EBOV_33_LEFT	1	GAGGAGGTCTTTGGTATTGGCT
V4	pan_EBOV_33_RIGHT	1	TTTCAGCCAATGGAGTTGACCT
V4	pan_EBOV_34_LEFT	2	GGGGCAATAATATCTAATTGAACCTTAGCC
V4	pan_EBOV_34_RIGHT	2	CACATCAAACCTCAATACCAGCCC
V4	pan_EBOV_35_LEFT	1	AAAGGGGTTGTCTTAAGCGACC
V4	pan_EBOV_35_RIGHT	1	TTGGATCGAATCAACGACAGCA
V4	pan_EBOV_36_LEFT	2	TTGGCTGCTAACAACCAACACT
V4	pan_EBOV_36_RIGHT	2	TGAGTTAGCTCAATATGAAGTATTCCATC
V4	pan_EBOV_37_LEFT	1	TCCTCGACACGAATGCAAAGTT
V4	pan_EBOV_37_RIGHT	1	TGTGAAACCTAACACATGTGACCT
V4	pan_EBOV_38_LEFT	2	TCCAAGACAACATCATAGAATTGCTT
V4	pan_EBOV_38_RIGHT	2	TTTCGGGAGTTTACAGTTGCGT
V4	pan_EBOV_39_LEFT	1	ATTGGACCAATGTGACCTAGTCA
V4	pan_EBOV_39_RIGHT	1	GCCAGGTCATACCAGAAAAACATT
V4	pan_EBOV_40_LEFT	2	GA CTGTGTTGATGACCACTTTCAA
V4	pan_EBOV_40_RIGHT	2	ACTGGATCCTCAACCTCTGCTA
V4	pan_EBOV_41_LEFT	1	ACTGCCGACGTCTTGATAATGT
V4	pan_EBOV_41_RIGHT	1	CTCACAAAGTTGTTGTGGCGTC
V4	pan_EBOV_42_LEFT	2	CGTGCACTAAAGCCTTCACAGG
V4	pan_EBOV_42_RIGHT	2	AAAGTGGAGGATGGTCAAGGTG
V4	pan_EBOV_43_LEFT	1	TCTTATATCAAAGAAATCAATTCCTCCG
V4	pan_EBOV_43_RIGHT	1	AGTGTGTTGAACATTGCGAGTCG
V4	pan_EBOV_44_LEFT	2	ACCACAATATCGGAACCTTTCTTTCT
V4	pan_EBOV_44_RIGHT	2	TGACATGCATATAACACTGTGGGA
V4	pan_EBOV_45_LEFT	1	AGCACCTTTTATAGAATATTGCAACCG
V4	pan_EBOV_45_RIGHT	1	GCACTTGTAACCTTTTGCTAGGCT
V4	pan_EBOV_46_LEFT	2	CTTAGAGACTGACGCAGACGAG
V4	pan_EBOV_46_RIGHT	2	TGTTAACTGTCCAAGGTCAAAACC
V4	pan_EBOV_47_LEFT	1	CAGGATAACCGCAGCTTTCCAT
V4	pan_EBOV_47_RIGHT	1	TCCTACGTACAATCTGGCGC
V4	pan_EBOV_48_LEFT	2	CTGCACTGCCATTGACTTTGTG
V4	pan_EBOV_48_RIGHT	2	GCCTCCGCCAGGATATTATCAC
V4	pan_EBOV_49_LEFT	1	CGGTTTTGGACAGACTGAGGAA
V4	pan_EBOV_49_RIGHT	1	GCAGGTTGTCCTATCTTATCTTCTGT
V4	pan_EBOV_50_LEFT	2	ATTGTTAGTGCATGGCCGAACG
V4	pan_EBOV_50_RIGHT	2	TGGCCACCTCCTGAAAACCTCA
V4	pan_EBOV_51_LEFT	1	AGTCCTCATTCTTTCATGGCCA

V4	pan_EBOV_51_RIGHT	1	CGAATAAGATCATCTTCTATAATGTTTCAGC
V4	pan_EBOV_52_LEFT	2	CTCTAAAAGGAGGACTCAATTGCAA
V4	pan_EBOV_52_RIGHT	2	GCTTGCATGTTTGAATGTTGGC
V4	pan_EBOV_53_LEFT	1	CACTTGACAACCTTTTTATATTACTTAACTACCC
V4	pan_EBOV_53_RIGHT	1	TGTCGTGAGGATGTACATGATCA
V4	pan_EBOV_54_LEFT	2	ATTTCCCTCCATCAGATCGTAGAACT
V4	pan_EBOV_54_RIGHT	2	TGTACCACAAGCAGAGTCACTT
V4	pan_EBOV_55_LEFT	1	TGAGCCATGAAATAAAAAGAACGACAA
V4	pan_EBOV_55_RIGHT	1	CTAGCGTCACAGCCGACTTAAA
V4	pan_EBOV_56_LEFT	2	CGGTATAGTCTCGTCCATGCAT
V4	pan_EBOV_56_RIGHT	2	TCGATCTGTTTATATTCTCTGTCGTCT
V4	pan_EBOV_57_LEFT	1	GGTTTAAAGACCAAAGAGCAAGGC
V4	pan_EBOV_57_RIGHT	1	TATGGGCTCCGTTGAATTTGCA
V4	pan_EBOV_58_LEFT	2	AAGATGCCACACCAAAACCATC
V4	pan_EBOV_58_RIGHT	2	TGTCCCATTATGTTTTAATGCTTGCA
V4	pan_EBOV_59_LEFT	1	TCAAACATATCACTTTATTCGTACTGCA
V4	pan_EBOV_59_RIGHT	1	TCGGATCAATATGATGTATGAGAGCA
V4	pan_EBOV_60_LEFT	2	GGATGGTCTCTACAGGTTTGATTGA
V4	pan_EBOV_60_RIGHT	2	AAGATCAGTTTTGTTTTAAGAAGTCGTG
V4	pan_EBOV_61_LEFT	1	CGAAAGGTCTGGGCTCATATTGT
V4	pan_EBOV_61_RIGHT	1	GCAACGTTTATTCTGGCGAGC

**Primer scheme
name**

Name	Pool	Sequence
Zaire_2015_1_LEFT	1	ATTTGTGTGCGAATAACTATGAGGAA
Zaire_2015_1_RIGHT	1	TTTCTAATGTTTTACCCCAGGCTTT
Zaire_2015_2_LEFT	2	GTCAAACAAGCAAGATTGAGAATTAAC
Zaire_2015_2_RIGHT	2	AGTTTGTAACTCTCCTTGGTACGCA
Zaire_2015_3_LEFT	1	ATACAGGCCTTTGAAGCTGGTG
Zaire_2015_3_RIGHT	1	GTCCTACTGATTGCCAAGCTGT
Zaire_2015_4_LEFT	2	GGAGAAAAGGCTTGCCTTGAGA
Zaire_2015_4_RIGHT	2	AAAGGTTCAAAAGTCGGGCGAA
Zaire_2015_5_LEFT	1	TCTCCATCCTCTTGCAAGGACC
Zaire_2015_5_RIGHT	1	CCAGGCGCTCTTTTCTTAGAGT
Zaire_2015_6_LEFT	2	CAGGAAAAGAAAATTCTTATGAACCTCCA
Zaire_2015_6_RIGHT	2	TCCACCCTTGGTCGATCTGTTA
Zaire_2015_7_LEFT	1	TACTCGGAAAACGGCATGAGTG
Zaire_2015_7_RIGHT	1	ACAGTGGGTGTGCGGTTAGA
Zaire_2015_8_LEFT	2	AACGAAGAGGCAGACCCACT
Zaire_2015_8_RIGHT	2	TTTTTCAGTGAGCCATGGTGGA
Zaire_2015_9_LEFT	1	AGCCTGTAGTTTTTCAGTACCACTG
Zaire_2015_9_RIGHT	1	TGTGGCTTAACGCTTATTTGCA
Zaire_2015_10_LEFT	2	GGAAGAATTTTTGATGTCTAAGGTGTGA
Zaire_2015_10_RIGHT	2	TTTGAGTCGTGGCCACAGTATG

V5	Zaire_2015_11_LEFT	1	TTGTCTTCAATGTAAAAGAAAAGCTGG
V5	Zaire_2015_11_RIGHT	1	ACTGGCTTTAGACCATTCTCAAGA
V5	Zaire_2015_12_LEFT	2	GCTTCATTGGCTACTGTTGTGC
V5	Zaire_2015_12_RIGHT	2	TCCTTTGCCGAAATGTCAGGTT
V5	Zaire_2015_13_LEFT	1	CCTCAAAGTGTTAGGGAGGCAT
V5	Zaire_2015_13_RIGHT	1	ACCCAACCTCGATCAATCTTGG
V5	Zaire_2015_14_LEFT	2	ATCCGCTCTCGAGGTGACATTC
V5	Zaire_2015_14_RIGHT	2	TCTCTCAGTCGAGGTAGGTTTTTC
V5	Zaire_2015_15_LEFT	1	AGGAGCTATACCTCTGACAGTATTATAAT
V5	Zaire_2015_15_RIGHT	1	CTTTGGGGCCCCGATATGACATT
V5	Zaire_2015_16_LEFT	2	ATGACACCATCGACCATGCCA
V5	Zaire_2015_16_RIGHT	2	TCATCGGTCCATGTTGCAGC
V5	Zaire_2015_17_LEFT	1	CACCAGTCCAACCTACCCAGTA
V5	Zaire_2015_17_RIGHT	1	GGTCCAACCCAATGTACTTTGG
V5	Zaire_2015_18_LEFT	2	CCAACCAAAAATATCATGGGTATCGA
V5	Zaire_2015_18_RIGHT	2	ACAGGTATATTATGAGTCTTTTGTTAAGCT
V5	Zaire_2015_19_LEFT	1	TCTTTTTAATAATCCGTCTACTAGAAGAGATAC
V5	Zaire_2015_19_RIGHT	1	CGCTCACTGTCGGCTTAATCTT
V5	Zaire_2015_20_LEFT	2	ATCGGGGCCCATTTCTAAGTTG
V5	Zaire_2015_20_RIGHT	2	TCCAAGTATCTCAATTGATTTGTGG
V5	Zaire_2015_21_LEFT	1	GGAGTTATCCACAATAGTACATTACAGG
V5	Zaire_2015_21_RIGHT	1	AACTGTGGAAGCAAGTCGATCA
V5	Zaire_2015_22_LEFT	2	TGCACAAAGTATCAGGAACGGG
V5	Zaire_2015_22_RIGHT	2	TTAGTTTTCCCGTGGTGTGCT
V5	Zaire_2015_23_LEFT	1	AGATTACACCACAGTTTCTGCT
V5	Zaire_2015_23_RIGHT	1	AGGTTGAGGACTCGTGGAGATT
V5	Zaire_2015_24_LEFT	2	GCAATGGTTCAAGTGCACAGTC
V5	Zaire_2015_24_RIGHT	2	AATTAAGCCTAGCTTCCCGCTG
V5	Zaire_2015_25_LEFT	1	CCCCAAAACCTACAGCGAGACT
V5	Zaire_2015_25_RIGHT	1	AGGATTGAAAAGGTTGCGAGCT
V5	Zaire_2015_26_LEFT	2	TTAATCTGTGGGTTGAGGCAGC
V5	Zaire_2015_26_RIGHT	2	TTGAGGTTGAGTTTTGCCGTGA
V5	Zaire_2015_27_LEFT	1	ACAGGTGTTATAATTGCAGTTATCGC
V5	Zaire_2015_27_RIGHT	1	TTCTACCGGTTTGACAGATCTGA
V5	Zaire_2015_28_LEFT	2	CCTTGATTCTACAATCATGACAGTTGT
V5	Zaire_2015_28_RIGHT	2	TTTTTCAAGGTCGGACATATGTCTTT
V5	Zaire_2015_29_LEFT	1	CAAGTGCGGTTTCTACTGTAT
V5	Zaire_2015_29_RIGHT	1	ATTTCCTCGTCATCACAGCACA
V5	Zaire_2015_30_LEFT	2	AACACTGGGCGAGACAAGACAT
V5	Zaire_2015_30_RIGHT	2	CCCTCATCAGACCATGAGCATG
V5	Zaire_2015_31_LEFT	1	TGCTGTCGTTGTTTCAGGGTTA
V5	Zaire_2015_31_RIGHT	1	AGATGGATCGTTGCTACCTCCT
V5	Zaire_2015_32_LEFT	2	AACCTGCCAAGCATACCTCTTG

V5	Zaire_2015_32_RIGHT	2	CGTGTCAGTACTGGACTATCC
V5	Zaire_2015_33_LEFT	1	CCTTATTATTCAGATTAGGCCCCAAGA
V5	Zaire_2015_33_RIGHT	1	TGCTTGGTGTCTGGAGTATCGA
V5	Zaire_2015_34_LEFT	2	AAGAGCGTCGTTCCAACAATCG
V5	Zaire_2015_34_RIGHT	2	CTGCTGCAAGGATGACTCTCAG
V5	Zaire_2015_35_LEFT	1	GTCAATGACAAGGAACCTATTTCCC
V5	Zaire_2015_35_RIGHT	1	GATTTGTCTGGGTTCTTGGAGCT
V5	Zaire_2015_36_LEFT	2	TGAGCAGTATTGAAATTGGAACCTCAA
V5	Zaire_2015_36_RIGHT	2	AAGGGTGTCAACTTGGAAGCTG
V5	Zaire_2015_37_LEFT	1	TCTCTGCCTTCATAATCAGATATATAAGCA
V5	Zaire_2015_37_RIGHT	1	TCAAGAGGAAGAATGTCAACTGCT
V5	Zaire_2015_38_LEFT	2	CCATACTCGTAACCTAACATTAGATAAGTAGG
V5	Zaire_2015_38_RIGHT	2	GCTCAACAGGACAGAACCCATT
V5	Zaire_2015_39_LEFT	1	TGATGTACCAAGTGGCGACATTG
V5	Zaire_2015_39_RIGHT	1	GGTAACAGTGAAATTGGGATCTTCC
V5	Zaire_2015_40_LEFT	2	AGGAAACTCTAGATCAACGTGGTT
V5	Zaire_2015_40_RIGHT	2	TTAGCCAAGCACAAATGGTTCGA
V5	Zaire_2015_41_LEFT	1	TGTCTATGCTTTACCAGAGCGG
V5	Zaire_2015_41_RIGHT	1	ACACAATATGTCTCGAAAAATCACGA
V5	Zaire_2015_42_LEFT	2	CCTGTGCTACATAGTGAAACAGC
V5	Zaire_2015_42_RIGHT	2	TGGTACTGAATTTGTGAGGTGGAT
V5	Zaire_2015_43_LEFT	1	ACTGCAGTAGAAAGGACATGCT
V5	Zaire_2015_43_RIGHT	1	ATCACTTGTGTGGTGCCATGAT
V5	Zaire_2015_44_LEFT	2	AGCATTTCTAGCAATATGATGGTAGT
V5	Zaire_2015_44_RIGHT	2	AGCACATGAAATACTTGTCCAGAGT
V5	Zaire_2015_45_LEFT	1	CCTGAAGGGCCTAGTTCATACAG
V5	Zaire_2015_45_RIGHT	1	TCAGACAATGGTGCCATTCTTGT
V5	Zaire_2015_46_LEFT	2	CCTGATGAAACATTTGTACATTCAGGT
V5	Zaire_2015_46_RIGHT	2	TTCCGGTAGAAACATTTCTCAGGA
V5	Zaire_2015_47_LEFT	1	CAAACCTCTGGATTTCTGGAACAA
V5	Zaire_2015_47_RIGHT	1	GCGAAACGACTCATAACAGGAGT
V5	Zaire_2015_48_LEFT	2	ACCTTATTTTCATGCATCAGCTGAC
V5	Zaire_2015_48_RIGHT	2	TCAATCATACATGGGAGTGTGGC
V5	Zaire_2015_49_LEFT	1	TGATTTAGCACAGATCCTGAGGG
V5	Zaire_2015_49_RIGHT	1	CAAGTCACTGTTCGAACTGCC
V5	Zaire_2015_50_LEFT	2	AATGTCCTTCCGCAGCCTTAAG
V5	Zaire_2015_50_RIGHT	2	AAGGTGAGCACGATTATACTGGAT
V5	Zaire_2015_51_LEFT	1	TCCAGAATGTTATAAATTATGCAGTTGC
V5	Zaire_2015_51_RIGHT	1	CTCCACTGCTAATTGGGTCTGT
V5	Zaire_2015_52_LEFT	2	TGCCTCACTTATCTGGATGGGA
V5	Zaire_2015_52_RIGHT	2	TCTCAAAAATAACCTGGCCGCA
V5	Zaire_2015_53_LEFT	1	TCACGATTAATGAGTATTGATCCCCA
V5	Zaire_2015_53_RIGHT	1	GTCAAGTCTTTTCGGTTGCTGTT

V5	Zaire_2015_54_LEFT	2	ACATGTAAGAGTACAGCCAGCAA
V5	Zaire_2015_54_RIGHT	2	TGTGAGATTATTTGATGACCTTCCCT
V5	Zaire_2015_55_LEFT	1	ACAGCAAACCCAAAATAAATTTCTGA
V5	Zaire_2015_55_RIGHT	1	GGACTCAGTAGCTAGCGTGTTG
V5	Zaire_2015_56_LEFT	2	GAGAAGGTGCTGGTGCCTTACT
V5	Zaire_2015_56_RIGHT	2	CCCTCGGTATCACTTAGAAAGACT
V5	Zaire_2015_57_LEFT	1	TGTACGAAGCTGTACATAAATTGATCT
V5	Zaire_2015_57_RIGHT	1	GGTTATACCTGTGGTATAGTACTTTCTCT
V5	Zaire_2015_58_LEFT	2	ACTCAGTATGCTGACTGCGATT
V5	Zaire_2015_58_RIGHT	2	AGAAACGTTCTTCACAATTACAATCTCT
V5	Zaire_2015_59_LEFT	1	GGGACATGGCAAGCTGAGTTTA
V5	Zaire_2015_59_RIGHT	1	GTCACACATGCTGTATTGTGAATTTT
V5	Zaire_2015_60_LEFT	2	ACTATTTAGATAACGAAAGGAGTCCTTACA
V5	Zaire_2015_60_RIGHT	2	TCTGAATGGAATAGTAGCTTACTAGACA
V5	Zaire_2015_61_LEFT	1	TGTTGTATCAATATCTTGCCAGATGG
V5	Zaire_2015_61_RIGHT	1	TTTTTGTGTGCGACCATTTTTCC

Primer scheme

name	Name	Pool	Sequence
Zaire-PHE	zaire-350_1_LEFT	1	CGGACACACAAAAAGAAAGAAGAATT
Zaire-PHE	zaire-350_1_RIGHT	1	ACCAAGGTTAATTCTCAATCTTGCTTG
Zaire-PHE	zaire-350_2_LEFT	2	TCTGCAGGGTGATCCAACAAC
Zaire-PHE	zaire-350_2_RIGHT	2	GTTGGCAAATTTCTTCAAGATTGTTTACT
Zaire-PHE	zaire-350_3_LEFT	1	AGCAGGTCTGTCCGTTCAACA
Zaire-PHE	zaire-350_3_RIGHT	1	AGTTGTCTCCTCTTCCGGCAT
Zaire-PHE	zaire-350_4_LEFT	2	GAAGCGCCTTGAGGAATTGCT
Zaire-PHE	zaire-350_4_RIGHT	2	ATCACAGCATCGTTGGCATCAT
Zaire-PHE	zaire-350_5_LEFT	1	GTTTGATGCGAACAAATTTTCTGATCA
Zaire-PHE	zaire-350_5_RIGHT	1	GCAATTGCCGATAGTTGAGGGA
Zaire-PHE	zaire-350_6_LEFT	2	CTCCTTCGCCCCGACTTTTGAA
Zaire-PHE	zaire-350_6_RIGHT	2	GCAGCAGTGATAGCTTCTGTCA
Zaire-PHE	zaire-350_7_LEFT	1	AGAACGAAATCAGCTTCCAGCA
Zaire-PHE	zaire-350_7_RIGHT	1	GGTCGATCTATTAGGCACTGGC
Zaire-PHE	zaire-350_8_LEFT	2	AATGCACCAGATGACTTGGTCC
Zaire-PHE	zaire-350_8_RIGHT	2	TCCCTGTCCTGCTCTTCATCAT
Zaire-PHE	zaire-350_9_LEFT	1	TTAACGAAGAGGCAGACCCACT
Zaire-PHE	zaire-350_9_RIGHT	1	GTGTACTCTTTGCCATCACTGGT
Zaire-PHE	zaire-350_10_LEFT	2	AGATCACAGGGGCCATTTGATG
Zaire-PHE	zaire-350_10_RIGHT	2	TGTGATAATAATTCACACCTTAGACATCA
Zaire-PHE	zaire-350_11_LEFT	1	ACAATGGGATGATTCAACCGACA
Zaire-PHE	zaire-350_11_RIGHT	1	ATTGACGTAAGGATGATGAAGGTTTT
Zaire-PHE	zaire-350_12_LEFT	2	TTACCTACTAGCCTGCCCAACA
Zaire-PHE	zaire-350_12_RIGHT	2	TTCGGGTTTGGCTTCGTTTGTT
Zaire-PHE	zaire-350_13_LEFT	1	AGAATTCCTGTAAGCGACATCTTCT

Zaire-PHE	zaire-350_13_RIGHT	1	GACCGGTTGTCATCACCAGAAG
Zaire-PHE	zaire-350_14_LEFT	2	TGGCAAAAACAATCTCCTCATTGA
Zaire-PHE	zaire-350_14_RIGHT	2	AAAGCAGTTCCTCAAAACCAGGCA
Zaire-PHE	zaire-350_15_LEFT	1	ACTTCACTAACTGAGGAAAATTTTGGG
Zaire-PHE	zaire-350_15_RIGHT	1	CCCAACCTCGATCAATCTTGGG
Zaire-PHE	zaire-350_16_LEFT	2	TCATCCACATCCGCTCTCGA
Zaire-PHE	zaire-350_16_RIGHT	2	ATTGATTATAATACTGTCAGAGATATAGCTCC
Zaire-PHE	zaire-350_17_LEFT	1	GTCAATTAACGACCAAGATAAAATTGTTC
Zaire-PHE	zaire-350_17_RIGHT	1	GATGGAGTGTCCCCATTGACTG
Zaire-PHE	zaire-350_18_LEFT	2	ACCCTGTCAGGTCAAATTCAACA
Zaire-PHE	zaire-350_18_RIGHT	2	CAGCCGATTGACTCTGACAAGT
Zaire-PHE	zaire-350_19_LEFT	1	CCGCCATCATGCTTGCTTCATA
Zaire-PHE	zaire-350_19_RIGHT	1	ACTGTTCCCCTTCTTCCCCTT
Zaire-PHE	zaire-350_20_LEFT	2	CGTTGCGTCCAGGAATTTTCATT
Zaire-PHE	zaire-350_20_RIGHT	2	GACTTGACAGGAGAATGACACGT
Zaire-PHE	zaire-350_21_LEFT	1	AAACTCTGGTCCACAAGCTGAC
Zaire-PHE	zaire-350_21_RIGHT	1	TGAGTCTTTTGTTAAGTTCTACATTTAGGA
Zaire-PHE	zaire-350_22_LEFT	2	GTCCATTAGAGGAGACACTTTTAATTGA
Zaire-PHE	zaire-350_22_RIGHT	2	TTTCTTAATTAGAAGGGCAATGTCTGT
Zaire-PHE	zaire-350_23_LEFT	1	GTGTGACTTGGATTGGAAATGTGG
Zaire-PHE	zaire-350_23_RIGHT	1	GGATGACTCCAAGTGGGATGGA
Zaire-PHE	zaire-350_24_LEFT	2	TGCAGTTACCTCGTGATCGATT
Zaire-PHE	zaire-350_24_RIGHT	2	TAGACACTCACTCCCGTCAGGT
Zaire-PHE	zaire-350_25_LEFT	1	AGGTGGTCAATTATGAAGCTGGT
Zaire-PHE	zaire-350_25_RIGHT	1	ATAGTAGCCACTAGACGGGTCC
Zaire-PHE	zaire-350_26_LEFT	2	TACTGCCCCAAGCTAAGAAGGA
Zaire-PHE	zaire-350_26_RIGHT	2	TCACTGCGAATTTTTCTAGTGAGGT
Zaire-PHE	zaire-350_27_LEFT	1	GGAAGGTCAACCCCGAAATTGA
Zaire-PHE	zaire-350_27_RIGHT	1	CGGGTGTATTATGGGTGCTGTT
Zaire-PHE	zaire-350_28_LEFT	2	AACAACCCTTGCCACAATCTCC
Zaire-PHE	zaire-350_28_RIGHT	2	AATTAAGCCTAGCTTCCCGCTG
Zaire-PHE	zaire-350_29_LEFT	1	ACAACAAGTCCCCAAAACCACA
Zaire-PHE	zaire-350_29_RIGHT	1	AAGAGCTTGAGTCGTCTCGTTG
Zaire-PHE	zaire-350_30_LEFT	2	ACATAGAGGGGCTAATGCACAA
Zaire-PHE	zaire-350_30_RIGHT	2	CCTGTAACCTCAATACCTGCCG
Zaire-PHE	zaire-350_31_LEFT	1	GATAAAACCCTTCCGGACCAGG
Zaire-PHE	zaire-350_31_RIGHT	1	CATCAAGTTTATCATTCTCAAAGAGATAACTAG
Zaire-PHE	zaire-350_32_LEFT	2	CACTGGAGCTTTAAACATAGCCAA
Zaire-PHE	zaire-350_32_RIGHT	2	TGGGCGTCCTCTCTCATATGAA
Zaire-PHE	zaire-350_33_LEFT	1	ACATAAAGCATTGGTCAAAAAGTCAATAG
Zaire-PHE	zaire-350_33_RIGHT	1	TCCCTATCAGTTAACTCTCCAAGT
Zaire-PHE	zaire-350_34_LEFT	2	CCTAAAGACATATGTCCGACCTTGA
Zaire-PHE	zaire-350_34_RIGHT	2	AAGACTCAGCTGGGATTTTGAGA

Zaire-PHE	zaire-350_35_LEFT	1	AACCATAGAGGATTCAAAATTAAGAGCA
Zaire-PHE	zaire-350_35_RIGHT	1	GGGTTGGTTGAAGCTTCCTCAT
Zaire-PHE	zaire-350_36_LEFT	2	ACCGTGTGAAAGTTCTGCTGTC
Zaire-PHE	zaire-350_36_RIGHT	2	GCTTGGCAGGTTATATTACGAGC
Zaire-PHE	zaire-350_37_LEFT	1	TGCCCTAATATATGAAGAGGTATGATACA
Zaire-PHE	zaire-350_37_RIGHT	1	GCATTTCCGGTCACAATCTACC
Zaire-PHE	zaire-350_38_LEFT	2	GGAGGAGGTGTTTGGTATTGGC
Zaire-PHE	zaire-350_38_RIGHT	2	GCACTAAATTTTAAACGGCTAAGTTCA
Zaire-PHE	zaire-350_39_LEFT	1	AGTGTCTCTAAGCTAAATTGGTCTGT
Zaire-PHE	zaire-350_39_RIGHT	1	AACCCCTTTCTCCAGGTCCTTT
Zaire-PHE	zaire-350_40_LEFT	2	GACACCAAGCAAGACCTGAGAA
Zaire-PHE	zaire-350_40_RIGHT	2	TGGTCAATCAGCTGGTCCTGTA
Zaire-PHE	zaire-350_41_LEFT	1	CCGAATTCCACAATTGAATCACCG
Zaire-PHE	zaire-350_41_RIGHT	1	GCTCCACCAGAAAACCCATGTT
Zaire-PHE	zaire-350_42_LEFT	2	TGGATGCTCTACATGTCGTGAAC
Zaire-PHE	zaire-350_42_RIGHT	2	TGATTATGAAAGCAGAGATGTCAAGAT
Zaire-PHE	zaire-350_43_LEFT	1	TCTCTTGCTATCTAACTAAGGTAGAATACT
Zaire-PHE	zaire-350_43_RIGHT	1	ATATAGAATCTGTGAAACCTAACACATGT
Zaire-PHE	zaire-350_44_LEFT	2	TGAATAAGCATTTTATCACCAGAAATCCT
Zaire-PHE	zaire-350_44_RIGHT	2	TACAGTTGCGTAGTTGCGGATT
Zaire-PHE	zaire-350_45_LEFT	1	ATTGGACCAATGTGACCTAGTCA
Zaire-PHE	zaire-350_45_RIGHT	1	AGATTTTCTCTTGAAAGTGTTCAACA
Zaire-PHE	zaire-350_46_LEFT	2	ACACAATGCAAGATGCTCTCTTCT
Zaire-PHE	zaire-350_46_RIGHT	2	TATGCCCTTGAACCGCTTCTTT
Zaire-PHE	zaire-350_47_LEFT	1	GAACACACAAGGAATCCCCCAT
Zaire-PHE	zaire-350_47_RIGHT	1	GGCCCTTCCTCTCAGTGTACTT
Zaire-PHE	zaire-350_48_LEFT	2	GGGTCTGATGGGTATAAAATTATTAAGTTCC
Zaire-PHE	zaire-350_48_RIGHT	2	TCTCGAAAATCACTATAGGGCGTAA
Zaire-PHE	zaire-350_49_LEFT	1	CTGTGCTACATAGTGAAACAGCAA
Zaire-PHE	zaire-350_49_RIGHT	1	GCATCCCAGCATGTCCTTTCTA
Zaire-PHE	zaire-350_50_LEFT	2	ACCCTCCACTTTTCTCAACCAA
Zaire-PHE	zaire-350_50_RIGHT	2	AGCAAGACCATCAGCTAACAGAG
Zaire-PHE	zaire-350_51_LEFT	1	GGTAGAACCTTCGGAAAATTGCC
Zaire-PHE	zaire-350_51_RIGHT	1	TGACATGCATATAAACTGTGGGAT
Zaire-PHE	zaire-350_52_LEFT	2	CAGCACCTTTTATAGAATATTGCAACC
Zaire-PHE	zaire-350_52_RIGHT	2	CTCGTCTGCGTCAGTCTCTAAG
Zaire-PHE	zaire-350_53_LEFT	1	AAGTTACGCTCAGCTGTGATGG
Zaire-PHE	zaire-350_53_RIGHT	1	TGTCTCAGAGATGGATCGCTCA
Zaire-PHE	zaire-350_54_LEFT	2	TGGCACCATTGTCTGATGCAAT
Zaire-PHE	zaire-350_54_RIGHT	2	TCATTCGGAGATAAGTTTTTAAGTGGAA
Zaire-PHE	zaire-350_55_LEFT	1	GGGTTATCCTTCTTGAATCCTGAGA
Zaire-PHE	zaire-350_55_RIGHT	1	GCCGAAAACGACTCATAACAG
Zaire-PHE	zaire-350_56_LEFT	2	TTTCATGCGTCAGCTGACTTCG

Zaire-PHE	zaire-350_56_RIGHT	2	TGAGCCCATGAATATTCCTCAG
Zaire-PHE	zaire-350_57_LEFT	1	TCTTGATCATTGTGATAATATCCTGGC
Zaire-PHE	zaire-350_57_RIGHT	1	GCAGGTTGTCCTATCTTATCTTCTGT
Zaire-PHE	zaire-350_58_LEFT	2	GAACGCATCCCGAATAAGCTGG
Zaire-PHE	zaire-350_58_RIGHT	2	AAACAATCAATCGCGTTGCTGA
Zaire-PHE	zaire-350_59_LEFT	1	TCACAGGTACAACGATCAATACAGT
Zaire-PHE	zaire-350_59_RIGHT	1	AGAGGATTACTGTCATAAATCAATTCGT
Zaire-PHE	zaire-350_60_LEFT	2	GGGAAGTACCAGCTCAGTATTTAACA
Zaire-PHE	zaire-350_60_RIGHT	2	ACAAAGGCCCCAAAACGTACA
Zaire-PHE	zaire-350_61_LEFT	1	ACCCAATTAGCAGTGGAGAAACA
Zaire-PHE	zaire-350_61_RIGHT	1	ACAAATGTAAGAAAAGATGAAATGGACG
Zaire-PHE	zaire-350_62_LEFT	2	TATTTACATAGGCGGTGCTGCA
Zaire-PHE	zaire-350_62_RIGHT	2	GTTTCTGTGTCTGCTCCTCCAG
Zaire-PHE	zaire-350_63_LEFT	1	TCCTCACGACAATCTTGTTTACACA
Zaire-PHE	zaire-350_63_RIGHT	1	TCACATTGTGTCTCGATCGATCG
Zaire-PHE	zaire-350_64_LEFT	2	TCCGTCGTTCCAGTCCTTTCTA
Zaire-PHE	zaire-350_64_RIGHT	2	GTCACAGCCGACTTGAAACTCT
Zaire-PHE	zaire-350_65_LEFT	1	ACCGGTATAGTCTCGTCCATGC
Zaire-PHE	zaire-350_65_RIGHT	1	GCTTAGGTAGCCTTGCTCTTTGG
Zaire-PHE	zaire-350_66_LEFT	2	TTCTTAACAACCTCAGCAAGCCAAA
Zaire-PHE	zaire-350_66_RIGHT	2	AGAAGTTCGTCAGACAAAGATACCA
Zaire-PHE	zaire-350_67_LEFT	1	ACTGAGGGTATGTTATGGCTAAATGA
Zaire-PHE	zaire-350_67_RIGHT	1	TGAGTGATAGAGACTAGTGGACCTC
Zaire-PHE	zaire-350_68_LEFT	2	AAGTTATATCCGCCTTGTTTTCC
Zaire-PHE	zaire-350_68_RIGHT	2	TCTTCACAATTGCAATCTCTAATATGGT
Zaire-PHE	zaire-350_69_LEFT	1	ACATAATGGGACATGGCAAGCT
Zaire-PHE	zaire-350_69_RIGHT	1	GGGACTCCTTTCGTTATTTAAATAGTTGT
Zaire-PHE	zaire-350_70_LEFT	2	TGAATTACCGTGCATAGTATCCTGA
Zaire-PHE	zaire-350_70_RIGHT	2	CAACCAAAACACTATTCCATCTGACA
Zaire-PHE	zaire-350_71_LEFT	1	TCTGCACTCTTTATAATTAAGCTTTAACGA
Zaire-PHE	zaire-350_71_RIGHT	1	ATTAACACGAAGATTATTATCTAGTCTGCT