

Phylogeographic analysis of hemorrhagic fever with renal syndrome patients using multiplex PCR-based next generation sequencing

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Supplementary Table S1. Multiplex PCR primer lists of HTNV L, M, and S segments

L segment		M segment		S segment	
Primer	Sequence (5' -> 3')	Primer	Sequence (5' -> 3')	Primer	Sequence (5' -> 3')
HNL01F	TAGTAGTAGACTCCGGGAAGT	HNM01F	TAGTAGTAGACTCCGAAAATAAAG	HNS01F	TAGTAGTAGGCTCCCTAAAG
HNL02F	GTAGAGTGTATAGATTATCT	HNM02F	AATGTCTATGACATGAAAAAT	HNS02F	GGCAGAAGGTAAGGGATGCA
HNL03F	AGGCAATAGGGAAAGTACTA	HNM03F	CAGCACAGCTGGTGCCTGAG	HNS03F	GGCAAAGATTGATGAGTTAA
HNL04F	CAAGGCCTTTTCAAGATGA	HNM04F	TCAGTACAGCTTAGCCAAA	HNS04F	CATCTGAAAGAGAGATCAAT
HNL05F	AGAGAAAAGAAGCTTAAATA	HNM05F	CGCAGTAGAAAATCAATAAC	HNS05F	TTGTTGTCTATCTTACATCC
HNL06F	CATTTAATGTAGTGGCAGTT	HNM06F	TGAAAAGCTGTTTTGATTGCA	HNS06F	TCGGATTGATTTAAGGATG
HNL07F	AGCTGAGATAAGTTACGTTA	HNM07F	CCCAGATCAGAGTGTGGTCA	HNS07F	AAGGCAGAAGAGATTACACC
HNL08F	AGCCAGCCATATTACATACC	HNM08F	AAAAATTTTGAACAGGTTAA	HNS08F	TGATTGGTTTCTGGCATTG
HNL09F	GAAATTTTTTCATTTTTTGAA	HNM09F	CACCAATTTATGTTCCAACA	HNS09F	CCTTGGTGGCTCTCAACAA
HNL10F	TAGAAACTTCTTACTAATAC	HNM10F	AGAAACTGCAACTTACTCTA	HNS10F	GAAGCAGCTGGCTGTAGCAT
HNL11F	CTGAACCTAATTCAGATAC	HNM11F	TCCTATTCTTCCCTTAGTAT	HNS11F	TAGCAGGTATTGCTGAGCTT
HNL12F	CAGCAATACAATTTAAACAG	HNM12F	GTGCCATACCACACTGTGG	HNS12F	GGCAAAGAAATCATCTTCT
HNL13F	ACTCAATAATCATAAAAAGTG	HNM13F	ATCATGTGAGGCCTTTTCTG	HNS13F	GGAAAGGAGGCTGTGGACAA
HNL14F	AAAATATTGCTGATTTAGA	HNM14F	AAATTTGTATGTCAGCGAGT	HNS14F	CCAACCAAGACCTTTAAAA
HNL15F	TTCAGAATGAGACCCAGAAG	HNM15F	ACACTATAACAAGCTTATTT	HNS15F	TTATCAGGGGAATCAGTATA
HNL16F	TCATTCAGGATTA AAAAGAT	HNM16F	GCTTGTACATTTCTGTTTTG	HNS16F	AGGCTGCCTTAAGTAGCCTT
HNL17F	GGTTCCTTTATTAGGTTTCA	HNM17F	CAAGAAAACAGGTTAAAATC	HNS17F	TACTAACAAACACACTCTAC
HNL18F	GGGTATCCAAAGTCATGAGC	HNM18F	CCTATAAAGAGTTGAAGGCA	HNS01R	CTCATCGGATCTTCCAT
HNL19F	TACAGAAGACCAAGGGCAGT	HNM19F	TTACAAAAGTATGCCAAGTTA	HNS02R	CAGTTGCAATCTTATCTGCC
HNL20F	ATTTTGGACAATCTACGTTA	HNM20F	TTTAAAGTACAAAAGTAGGTTG	HNS03R	TTTAAATCCAGCATTACC
HNL21F	CATTAGAGGTATATATATAT	HNM21F	CTCCTGTCTGGAATGACAAT	HNS04R	TAGAGCTTTCAGAAGTATCG
HNL22F	AACAGTGGACCAGTTCGACTG	HNM22F	CCGTAGGAAGTAAACAAACC	HNS05R	GGATACCCTTAACGTCCTCG
HNL23F	ACCTGTTTTCTTTTATTGTA	HNM23F	CACCTGGTTGTAGTGGCTGCT	HNS06R	AGTCCACAGACTGCTGTCT
HNL24F	AGGAAGA AAAAGTATGGGGAA	HNM24F	AAAGGGATTACCAATATGAG	HNS07R	TTGTTCAATACGATCACTCC
HNL25F	TGCTGTTGAGTTGGCAGCAA	HNM25F	GAAACCAGTTGGCAGTGCCT	HNS08R	CCACTTGCCTGCTGCGTAAG
HNL26F	TTTAGCCAAAACAAGAAATAT	HNM26F	AATGACTGTTTTGTATCTAG	HNS09R	ATTGATGATGCTGACTCAAT
HNL27F	ATTTATCAAATTC AAGACAT	HNM27F	GTGGCGGTCTAATATTTAAA	HNS10R	CATGTCCTGCAGGATGGAAA
HNL28F	AGAGGCAGATAGGGGCTTTT	HNM28F	AGGGTTTACATTAACATGTC	HNS11R	TTGATTGTGCTTCTGAGA
HNL29F	GAGTACATATCATATGGAGG	HNM29F	ATTGATTCCTTTCAATCTTT	HNS12R	TCAGGATCCATATCATCCCC
HNL30F	GTAATCATAAATTCATTAGG	HNM30F	TCTTAGTAAACAAAAGACATC	HNS13R	TA AAAAGGATTAATACATTCA
HNL31F	TACCTCCATGCTACATAATG	HNM31F	AGGGTTTACATTAACATGTC	HNS14R	TTCCCAACCAAAAATGTTCC
HNL32F	AAACTAAGGAATCATATTGA	HNM32F	GTAACATTAACAAGAGGACA	HNS15R	AAATGAAATCTACATCCATA
HNL33F	ACTGGCTGCAGGGTAACTTA	HNM33F	TTGGACTCCATGCTGCTGCA	HNS16R	GTAGTTAAGTTGAGGTAGTT
HNL34F	TACTCTTTTGTAGTTTGCAC	HNM34F	AAAATGTTGGTTTGTGTAAT	HNS17R	GTAGTAGTTTTGCTCCCTAA
HNL35F	CAACAGATTCAAGCAGGCCA	HNM35F	GTTTACTGAGCATTCTCTG		
HNL36F	TTAAGATCTACCAAAGAAA	HNM36F	TTTTTATATTCCAGTATAAT		
HNL37F	ACTCTTAGGTTCTCTGTGAG	HNM01R	TCCCCGAAGCTTACTGTGTG		
HNL38F	CCTCAGGTTGCACAAGTAGC	HNM02R	TGATTGGTGATTATCCATGC		
HNL39F	AAGTTAAGCATGCTGATACA	HNM03R	CAACTTCACTAGACACTGTC		
HNL40F	ATTA AAGCGCGCACTTCTAG	HNM04R	TAAGTACTATTGCAGTATAG		
HNL41F	TTTCAACATGAGAGGTTAGG	HNM05R	ATAAACTACCTGTACTCTGT		
HNL42F	CAAAAATTTTAGAGTTATGG	HNM06R	CGATATCAAAGATCCCATGC		
HNL43F	TGACCCAAAGTATTGTTACAG	HNM07R	GTATCATTCAGTATTGTTTC		
HNL44F	GAATGGGTTACCTTCAGGGA	HNM08R	GAATGCTTCCATGGATCTGA		
HNL45F	GTTGTACATTTCTAAAAGAG	HNM09R	GAGGAACTTTGCAATTGGCA		
HNL46F	AACATTCACAGTCAGAGAAA	HNM10R	ACATGTTTGGCTTCTGTTGA		
HNL47F	CTGGATACAGCCAAGTTCCC	HNM11R	ATAATATCCAGGTAATCAA		
HNL48F	TTATGAAAAGAAATGCACCT	HNM12R	TGGGGGAGGTTATGTTGAAA		
HNL49F	CTGGCTGAAATCAATGTCAC	HNM13R	CCATTGCAGTACACAACGAT		
HNL50F	CAACAGA AAGACTTAGCTGC	HNM14R	AATAGAGTGTGTTACCCAG		
HNL51F	TCGAGGATAAGACCTTTTCA	HNM15R	TAAATGTGATTGCTGGTATA		
HNL52F	TATAAAGGGTGATTATTCAG	HNM16R	TCAAACCTTTCCTTTATCTT		
HNL53F	ACAAAGCTTTATGAAGGAGA	HNM17R	GCATTGAGACTGGGGCATG		
HNL54F	CATCAATTACACAGAAGCAT	HNM18R	TTTTCTTTAGATCATCCCTG		
HNL55F	AGTACGGCACATGGTATTGT	HNM19R	AGAAGAAAATCCACATTGT		
HNL56F	CTTAGAACACACAGGCAAT	HNM20R	GTGCATAGGAACAGAACCCA		
HNL57F	TATTAGCTCATGCGTTTCAT	HNM21R	GTAGATCAATGGATTGTGCT		
HNL58F	AAATCCCATCATTTTCACTG	HNM22R	CCATAACAGTGA AAGGATGT		
HNL59F	ATATCTGTTGATCTCTTTAT	HNM23R	ACAATCTGATGGATTACAAC		
HNL60F	GTA CTGTGAGTTCAATGTCA	HNM24R	TCCTGCTATACCTTATTGTG		
HNL61F	TGTGGATTTTGAGAATATAG	HNM25R	ATTGTACCAATTAACAGAC		
HNL62F	GAATCAAAGAAAATGAGGGG	HNM26R	GCCAAATGACATGTGGATG		
HNL63F	CTGTTAATATATCTTAATG	HNM27R	AAATAGGAGTAGTAGCAAAG		
HNL64F	GAGCATTTGCTCAGGATGGG	HNM28R	TCATCAGTAAAGTGCATAGT		
HNL65F	GATGTCATCTCTGATTTCATT	HNM29R	GCAAGGATTTTCCACCAAGGT		
HNL01R	ATGTCATGCTCACGGCGTA	HNM30R	AAAAGGTAGGACATTCTGTT		
HNL02R	TATAATGTTTGAAGGGACCC	HNM31R	CCACCTTTTCTGACACCTT		
HNL03R	TTGTTCCATTAATTTTATAA	HNM32R	AGAAATCCCATTGACCTTGT		

HNL04R	TCTGTGTTCAATATAAGCTAA	HNM33R	CACTGAATATCCCTGAAATC
HNL05R	TTGTGTAGTAATATTGGAGC	HNM34R	AGCTATGACTTTTTATGCTT
HNL06R	CTCTCCTCAGTTCTGATC	HNM35R	GCTACTATTTTTTTTAGTG
HNL07R	GCTCCTATCGGTTCCATCCC	HNM36R	TAGTAGTAGACTCCGAAAATGTTA
HNL08R	AAAGCACTCGAACACTGCTG		
HNL09R	CAGGTTTGTAAGATGTGATT		
HNL10R	GCCATGTCATGGATCAGGTA		
HNL11R	AAATGTTCTGGCTCTCTTA		
HNL12R	GACTCTCTATTTGCGCACCA		
HNL13R	TCTTGAGTTGATGGCTCAGT		
HNL14R	TGTTGTCTTTTTCAACACAT		
HNL15R	TATTGTATGAGTGTAAAGGAC		
HNL16R	ACTAAACCAGGTCCTATCCT		
HNL17R	ATTTAATGCTAGCAGCCTAT		
HNL18R	ACACAGATCTAATTGCATAT		
HNL19R	GAGTATAATGATGTCACTGC		
HNL20R	AAGTGCAACTAACAAGCTTT		
HNL21R	TAAATGAAGGGTAAACTCCA		
HNL22R	TCTTCATTCATTTTTCCATG		
HNL23R	CCACATCATATATCCATTTT		
HNL24R	ACTTTGTAGCCAGGACTTTA		
HNL25R	TGAACCTGTCCTGACATACC		
HNL26R	CTCCTCATATAAATTTAAGA		
HNL27R	GCCTGCATCTAGTAGGAAGT		
HNL28R	GCCCTTGGATTGCAAGAAT		
HNL29R	TGCACTAACATACATGAGTT		
HNL30R	CACAGTTCTTTAGCTTATTG		
HNL31R	TTGATGTGTGGGTCAAGGCT		
HNL32R	TGCAACACCGAAAAGCGAAG		
HNL33R	CATAAATGAATAATGCATCG		
HNL34R	ATCTCTGTATTTACACTAAA		
HNL35R	AAATTCAGCATTGTTCGGGG		
HNL36R	AATCGTCAAAAATAACCTAAA		
HNL37R	CTTCAACTTTACTGGTGCA		
HNL38R	CATTGCACCATTCTCTCCA		
HNL39R	GCATTGATTTCTGTCTTTG		
HNL40R	CACTGTACTTTCCCAATAAA		
HNL41R	AATATAATCATAAGTTACAT		
HNL42R	GGAGCTGCAAGGGTGACTGC		
HNL43R	TCTGCAAACTGTTAGCAGC		
HNL44R	AATTCATTCAAGAAATCTT		
HNL45R	CAGGAATACTATTTGTATG		
HNL46R	ATTGTCTTTAAGTCAACAGA		
HNL47R	TACCCTTGATTTAGAAGATT		
HNL48R	TATGAGGCTTCACICTTATA		
HNL49R	CATCTCCAAATTTCTATGCA		
HNL50R	CCCAACCCTACAGAACCAT		
HNL51R	ATGCTCGCCTGTTGGCTTGT		
HNL52R	TCAAGACCAAAATTGAATGT		
HNL53R	CGAAACCTCATCCATCATGA		
HNL54R	TCCCCATTCAAATCCAGAC		
HNL55R	TCCTTTATTGTAATCATAAA		
HNL56R	TACTGTTGATACCTAATAT		
HNL57R	GAAGATTCTTCATAAAATTC		
HNL58R	GGGTTAATCAGCTTAAGTAA		
HNL59R	TAAGCTCATTCTTCAGACC		
HNL60R	GTAGGAAATGTTCAATATCT		
HNL61R	AGTCTGACAGGCTCAAGTAT		
HNL62R	CAAATTAATGTTTTAGAGA		
HNL63R	GATTTCAAACCTGATCAATA		
HNL64R	AACAGTACCATGGTATGCCT		
HNL65R	TTAGTAGTAGGTATGCTCCG		