

## Supplementary

Huang assay (modified)	1007	Forward primer	1026	1032	Probe	1056	1067	Reverse primer	1086
	GCAGAGCAAGGACTGAT	TCA	///	CAACAGCTTGGCAATCAGTT	GGACA	///	ATTTTCCGTTT	GATGCGAAC	
	GCAGAGCAAGGACTGAT	ACA							
MK163662.1_COD_2018_Ituri-BEN225			A			A		T	
MK163647.1_COD_2018_Ituri-BEN031			A			A		T	
MK007337.1_COD_2018_Ituri-MAN036			A			A		T	
MK007331.1_COD_2018_Ituri-MAN002			A			A		T	
MK007338.1_COD_2018_Ituri-MAN037			A			A		T	
MK007334.1_COD_2018_Ituri-MAN020			A			A		T	
MK007333.1_COD_2018_Ituri-MAN006			A			A		T	
MK163644.1_COD_2018_Ituri-BEN017			A			A		T	
MK163649.1_COD_2018_Ituri-BEN104			A			A		T	
MK163650.1_COD_2018_Ituri-BEN114			A			A		T	
MK163656.1_COD_2018_Ituri-BEN162			A			A		T	
MK007330.1_COD_2018_Ituri-18FHV090			A			A		T	
MK007341.1_COD_2018_Ituri-MAN042			A			A		T	
MK731990.1_COD_2018_BEN164-MANA1-17			A			A		T	
MK007342.1_COD_2018_Ituri-MAN046			A			A		T	
MK007343.1_COD_2018_Ituri-MAN048			A			A		T	
MK007332.1_COD_2018_Ituri-MAN003			A			A		T	
MK007344.1_COD_2018_Ituri-MAN065			A			A		T	
MK007340.1_COD_2018_Ituri-MAN040			A			A		T	
MK007339.1_COD_2018_Ituri-MAN039			A			A		T	
MK007335.1_COD_2018_Ituri-MAN025			A			A		T	
MK088510.1_COD_2018_Ituri-MAN035			A			A		T	
MK163645.1_COD_2018_Ituri-BEN018			A			A		T	
MK163663.1_COD_2018_Ituri-BEN230			A			A		T	
MK163646.1_COD_2018_Ituri-BEN020			A			A		T	
MK163652.1_COD_2018_Ituri-BEN141			A			A		T	
MK731993.1_COD_2018_BEN167-MANA5-11			A			A		T	
MK163653.1_COD_2018_Ituri-BEN143			A			A		T	
MK163654.1_COD_2018_Ituri-BEN146			A			A		T	
MK731992.1_COD_2018_BEN165-MANA3-20			A			A		T	
MK163648.1_COD_2018_Ituri-BEN070			A			A		T	
MK163651.1_COD_2018_Ituri-BEN140			A			A		T	
MK007329.1_COD_2018_Ituri-18FHV089			A			A		T	
MK163655.1_COD_2018_Ituri-BEN148			A			A		T	
MK163664.1_COD_2018_Ituri-BEN234			A			A		T	
MK163666.1_COD_2018_Ituri-BEN240			A			A		T	
MK163671.1_COD_2018_Ituri-BEN269			A			A		T	
MK163670.1_COD_2018_Ituri-BEN268			A			A		T	
MK163673.1_COD_2018_Ituri-BEN286			A			A		T	
MK163675.1_COD_2018_Ituri-BEN294			A			A		T	
MK163674.1_COD_2018_Ituri-BEN292			A			A		T	
MK163672.1_COD_2018_Ituri-BEN274			A			A		T	
MK163665.1_COD_2018_Ituri-BEN236			A			A		T	
MK163669.1_COD_2018_Ituri-BEN267			A			A		T	
MK163667.1_COD_2018_Ituri-BEN255			A			A		T	
MK163661.1_COD_2018_Ituri-BEN214			A			A		T	
MK163668.1_COD_2018_Ituri-BEN263			A			A		T	

**Figure S1.** Primers and probe described in the Huang et al. assay (and supplementary forward primer [this study]) matched against the multiple alignment dataset (nucleoprotein gene) representing EBOV strains during the 2018 outbreak in the North Kivu and Ituri Provinces of the Democratic Republic of the Congo. Y = C/T; S = C/G; K = G/T. Nucleotide positions refers to the sequence of Zaire ebolavirus genome (GenBank accession number MK007339).

Gibb assay	6348	Forward primer	6369	6402	Probe	6422	6440	Reverse primer	6459
	T	GGGCT	GAAAAYT	GCTACAAT	CT	ACCAGCAGCGCCAGACGG	GTGCCG	STATG	KACAAAG
MK163662.1_COD_2018_Ituri-BEN225	.	.	.	.	.	.	.	.	.
MK163647.1_COD_2018_Ituri-BEN031	.	.	.	.	.	.	.	.	.
MK007337.1_COD_2018_Ituri-MAN036	.	.	.	.	.	.	.	.	.
MK007331.1_COD_2018_Ituri-MAN002	.	.	.	.	.	.	.	.	.
MK007338.1_COD_2018_Ituri-MAN037	.	.	.	.	.	.	.	.	.
MK007334.1_COD_2018_Ituri-MAN020	.	.	.	.	.	.	.	.	.
MK007333.1_COD_2018_Ituri-MAN006	.	.	.	.	.	.	.	.	.
MK163644.1_COD_2018_Ituri-BEN017	.	.	.	.	.	.	.	.	.
MK163649.1_COD_2018_Ituri-BEN104	.	.	.	.	.	.	.	.	.
MK163650.1_COD_2018_Ituri-BEN114	.	.	.	.	.	.	.	.	.
MK163656.1_COD_2018_Ituri-BEN162	.	.	.	.	.	.	.	.	.
MK007330.1_COD_2018_Ituri-18FHV090	.	.	.	.	.	.	.	.	.
MK007341.1_COD_2018_Ituri-MAN042	.	.	.	.	.	.	.	.	.
MK731990.1_COD_2018_BEN164-MANA1-17	.	.	.	.	.	.	.	.	.
MK007342.1_COD_2018_Ituri-MAN046	.	.	.	.	.	.	.	.	.
MK007343.1_COD_2018_Ituri-MAN048	.	.	.	.	.	.	.	.	.
MK007332.1_COD_2018_Ituri-MAN003	.	.	.	.	.	.	.	.	.
MK007344.1_COD_2018_Ituri-MAN065	.	.	.	.	.	.	.	.	.
MK007340.1_COD_2018_Ituri-MAN040	.	.	.	.	.	.	.	.	.
MK007339.1_COD_2018_Ituri-MAN039	.	.	.	.	.	.	.	.	.
MK007335.1_COD_2018_Ituri-MAN025	.	.	.	.	.	.	.	.	.
MK088510.1_COD_2018_Ituri-MAN035	.	.	.	.	.	.	.	.	.
MK163645.1_COD_2018_Ituri-BEN018	.	.	.	.	.	.	.	.	.
MK163663.1_COD_2018_Ituri-BEN230	.	.	.	.	.	.	.	.	.
MK163646.1_COD_2018_Ituri-BEN020	.	.	.	.	.	.	.	.	.
MK163652.1_COD_2018_Ituri-BEN141	.	.	.	.	.	.	.	.	.
MK731993.1_COD_2018_BEN167-MANA5-11	.	.	.	.	.	.	.	.	.
MK163653.1_COD_2018_Ituri-BEN143	.	.	.	.	.	.	.	.	.
MK163654.1_COD_2018_Ituri-BEN146	.	.	.	.	.	.	.	.	.
MK731992.1_COD_2018_BEN165-MANA3-20	.	.	.	.	.	.	.	.	.
MK163648.1_COD_2018_Ituri-BEN070	.	.	.	.	.	.	.	.	.
MK163651.1_COD_2018_Ituri-BEN140	.	.	.	.	.	.	.	.	.
MK007329.1_COD_2018_Ituri-18FHV089	.	.	.	.	.	.	.	.	.
MK163655.1_COD_2018_Ituri-BEN148	.	.	.	.	.	.	.	.	.
MK163664.1_COD_2018_Ituri-BEN234	.	.	.	.	.	.	.	.	.
MK163666.1_COD_2018_Ituri-BEN240	.	.	.	.	.	.	.	.	.
MK163671.1_COD_2018_Ituri-BEN269	.	.	.	.	.	.	.	.	.
MK163670.1_COD_2018_Ituri-BEN268	.	.	.	.	.	.	.	.	.
MK163673.1_COD_2018_Ituri-BEN286	.	.	.	.	.	.	.	.	.
MK163675.1_COD_2018_Ituri-BEN294	.	.	.	.	.	.	.	.	.
MK163674.1_COD_2018_Ituri-BEN292	.	.	.	.	.	.	.	.	.
MK163672.1_COD_2018_Ituri-BEN274	.	.	.	.	.	.	.	.	.
MK163665.1_COD_2018_Ituri-BEN236	.	.	.	.	.	.	.	.	.
MK163669.1_COD_2018_Ituri-BEN267	.	.	.	.	.	.	.	.	.
MK163667.1_COD_2018_Ituri-BEN255	.	.	.	.	.	.	.	.	.
MK163661.1_COD_2018_Ituri-BEN214	.	.	.	.	.	.	.	.	.
MK163668.1_COD_2018_Ituri-BEN263	.	.	.	.	.	.	.	.	.

**Figure S2.** Primers and probe described in the Gibb et al. assay matched against the multiple alignment dataset (glycoprotein gene) representing EBOV strains during the 2018 outbreak in the North Kivu and Ituri Provinces of the Democratic Republic of the Congo. Y = C/T; S = C/G; K = G/T. Nucleotide positions refers to the sequence of Zaire ebolavirus genome (GenBank accession number MK007339).