

Table S1. Primers used in whole genome amplification for *Zaire ebolavirus* and *Sudan ebolavirus*. All primers are listed 5' to 3'.

Species	Fragment	Forward primer	Reverse primer	Annealing temperature
<i>Zaire ebolavirus</i>	A	CGGACACACAAAAAGAAAG	CATCATGTGTCCTACTGATTG	45°C
<i>Zaire ebolavirus</i>	B	CCAACAACCTTAATAGAAAC	AATGAGGAGATTGTTTTTGC	45°C
<i>Zaire ebolavirus</i>	C	CGACATCTTCTGTGATATTG	AGGAGTTAGAATCACATTGG	45°C
<i>Zaire ebolavirus</i>	D	CAGGGGGACAATGACAATTG	CCCCTTCGAGTTAAAATAGCC	50°C
<i>Zaire ebolavirus</i>	E	GGTCTGATCTCTGATTGGCT	GCCAATGATGCATGGAAGAA	49°C
<i>Zaire ebolavirus</i>	F	CAGCTGACTTCGAAGACGAA	CACAAAGATTAAGGCTATCACCG	48°C
<i>Zaire ebolavirus</i>	G	CACTCAGCACTTAGCACATC	GGACACACAAAAAGAAGAA	45°C
<i>Sudan ebolavirus</i>	A	CGGACACACAAAAAGAAAGA	GGGATATCAGTAGATACTCC	54°C
<i>Sudan ebolavirus</i>	A1	GGACACACAAAAAGAAAGAAAAG	AGCATATTGTTGGAGTTGCTT	50°C
<i>Sudan ebolavirus</i>	A2	TTGCCAGTTTGTCTTCTACCC	TGGAAAAGGAACTGAGGCG	50°C
<i>Sudan ebolavirus</i>	B	TGGGTGTTGTGACTAACAGC	GAGATGAAAATTGGCAGAGC	56°C
<i>Sudan ebolavirus</i>	C	ACCCATGGACACACTCTAGC	AAGTCTCATCAGGCTTGAGG	58°C
<i>Sudan ebolavirus</i>	C(nested)	ACTTGAGTTTGATGTCAACC	ATGATAATCGGCCGCAATGC	54°C
<i>Sudan ebolavirus</i>	D	AAGTGATGATTTTCGGAGAGC	TTTCTTCAGGAGAAGGTTTCG	56°C
<i>Sudan ebolavirus</i>	D(nested)	TGATTTTCGGACCATTGCAC	GATATGTGGAGCTGTTGTCG	58°C
<i>Sudan ebolavirus</i>	E	CAACAGATCCCATTAGCAGC	TGGACACACAAAAAGAGAAAATACAG	56°C

Table S2. Filoviruses examined in this study, including sample names, virus harvest identification numbers, countries of origin, collection dates, and GenBank accession numbers. Sequences that were generated for this study (and are newly reported) are marked by asterisks.

Species	Sample Name	VirHarv#	Country	Date	GenBank	
<i>Zaire ebolavirus</i>	deRoover	800495	Democratic Republic of Congo	1976	KC242801	*
<i>Zaire ebolavirus</i>	Mayinga	n/a	Democratic Republic of Congo	1976	AF086833	
<i>Zaire ebolavirus</i>	Bonduni	802606	Democratic Republic of Congo	1977	KC242791	*
<i>Zaire ebolavirus</i>	Kikwit	n/a	Democratic Republic of Congo	1995	AY354458	
<i>Zaire ebolavirus</i>	13625 Kikwit	807232	Democratic Republic of Congo	1995	KC242796	*
<i>Zaire ebolavirus</i>	13709 Kikwit	809066	Democratic Republic of Congo	1995	KC242799	*
<i>Zaire ebolavirus</i>	M-M Luebo	n/a	Democratic Republic of Congo	2007	HQ613403	
<i>Zaire ebolavirus</i>	0 Luebo	811220	Democratic Republic of Congo	2007	KC242785	*
<i>Zaire ebolavirus</i>	1 Luebo	811221	Democratic Republic of Congo	2007	KC242786	*
<i>Zaire ebolavirus</i>	4 Luebo	811244	Democratic Republic of Congo	2007	KC242789	*
<i>Zaire ebolavirus</i>	5 Luebo	811245	Democratic Republic of Congo	2007	KC242790	*
<i>Zaire ebolavirus</i>	9 Luebo	811219	Democratic Republic of Congo	2007	KC242784	*
<i>Zaire ebolavirus</i>	23 Luebo	811223	Democratic Republic of Congo	2007	KC242787	*
<i>Zaire ebolavirus</i>	43 Luebo	811243	Democratic Republic of Congo	2007	KC242788	*
<i>Zaire ebolavirus</i>	034-KS Luebo	n/a	Democratic Republic of Congo	2008	HQ613402	
<i>Zaire ebolavirus</i>	Gabon	807460	Gabon	1994	KC242792	*
<i>Zaire ebolavirus</i>	1Eko	807465	Gabon	1996	KC242793	*
<i>Zaire ebolavirus</i>	1Mbie	807464	Gabon	1996	KC242795	*
<i>Zaire ebolavirus</i>	1Oba	807466	Gabon	1996	KC242797	*
<i>Zaire ebolavirus</i>	2Ikot	807481	Gabon	1996	KC242798	*
<i>Zaire ebolavirus</i>	2Nza	807476	Gabon	1996	KC242794	*
<i>Zaire ebolavirus</i>	Ilembe	809085	Gabon	2002	KC242800	*
<i>Sudan ebolavirus</i>	Boneface	n/a	Sudan	1976	FJ968794	
<i>Sudan ebolavirus</i>	Maleo	808029	Sudan	1979	KC242783	*
<i>Sudan ebolavirus</i>	Yambio	n/a	Sudan	2004	EU338380	
<i>Sudan ebolavirus</i>	Gulu	n/a	Uganda	2000	AY729654	
<i>Sudan ebolavirus</i>	Nakisamata	811836	Uganda	2011	JN638998	
<i>Reston ebolavirus</i>	Ferlite, Philippines/Pennsylvania	n/a	Philippines/USA	1989	AF522874	
<i>Reston ebolavirus</i>	Ferlite, Philippines/Alice, TX	807334	Philippines/USA	1996	JX477166	*
<i>Reston ebolavirus</i>	Ferlite	n/a	Philippines	1996	AB050936	
<i>Reston ebolavirus</i>	08A Farm A	811413	Philippines	2008	FJ621583	

<i>Reston ebolavirus</i>	08C Farm CE	n/a	Philippines	2008	FJ621584	
<i>Reston ebolavirus</i>	08E Farm CE	811416	Philippines	2008	FJ621585	
<i>Reston ebolavirus</i>	09A Farm A	811462	Philippines	2009	JX477165	*
<i>Tai Forest ebolavirus</i>	Tai Forest	n/a	Côte d'Ivoire	1994	FJ217162	
<i>Bundibugyo ebolavirus</i>	Bundibugyo	811250	Uganda	2007	FJ217161	
<i>Marburg marburgvirus</i>	0126	n/a	Angola	2005	DQ447656	
<i>Marburg marburgvirus</i>	0181	n/a	Angola	2005	DQ447653	
<i>Marburg marburgvirus</i>	0214	n/a	Angola	2005	DQ447657	
<i>Marburg marburgvirus</i>	0215	n/a	Angola	2005	DQ447658	
<i>Marburg marburgvirus</i>	0754	n/a	Angola	2005	DQ447659	
<i>Marburg marburgvirus</i>	0998	n/a	Angola	2005	DQ447660	
<i>Marburg marburgvirus</i>	1379c	810812	Angola	2005	DQ447653	
<i>Marburg marburgvirus</i>	1380	810813	Angola	2005	DQ447653	
<i>Marburg marburgvirus</i>	1381	810814	Angola	2005	DQ447654	
<i>Marburg marburgvirus</i>	1386	810816	Angola	2005	DQ447655	
<i>Marburg marburgvirus</i>	1411	810834	Angola	2005	DQ447653	
<i>Marburg marburgvirus</i>	01 DRC	810996	Democratic Republic of Congo	1999	JX458833	*
<i>Marburg marburgvirus</i>	02 DRC	810997	Democratic Republic of Congo	1999	JX458851	*
<i>Marburg marburgvirus</i>	03 DRC	810999	Democratic Republic of Congo	1999	JX458826	*
<i>Marburg marburgvirus</i>	04 DRC	810998	Democratic Republic of Congo	1999	JX458825	*
<i>Marburg marburgvirus</i>	05 DRC	811001	Democratic Republic of Congo	1999	DQ447651	
<i>Marburg marburgvirus</i>	06 DRC	811002	Democratic Republic of Congo	1999	JX458830	*
<i>Marburg marburgvirus</i>	07 DRC	811004	Democratic Republic of Congo	1999	DQ447650	
<i>Marburg marburgvirus</i>	09 DRC	808614	Democratic Republic of Congo	1999	DQ447652	
<i>Marburg marburgvirus</i>	12 DRC	811006	Democratic Republic of Congo	2000	JX458840	*
<i>Marburg marburgvirus</i>	13 DRC	811008	Democratic Republic of Congo	2000	JX458845	*
<i>Marburg marburgvirus</i>	14 DRC	811011	Democratic Republic of Congo	2000	JX458831	*
<i>Marburg marburgvirus</i>	15 DRC	811007	Democratic Republic of Congo	2000	JX458847	*
<i>Marburg marburgvirus</i>	16 DRC	811009	Democratic Republic of Congo	2000	JX458839	*
<i>Marburg marburgvirus</i>	17 DRC	811010	Democratic Republic of Congo	2000	JX458838	*
<i>Marburg marburgvirus</i>	18 DRC	811012	Democratic Republic of Congo	2000	JX458842	*
<i>Marburg marburgvirus</i>	19 DRC	811013	Democratic Republic of Congo	2000	JX458828	*
<i>Marburg marburgvirus</i>	20 DRC	811014	Democratic Republic of Congo	2000	JX458841	*
<i>Marburg marburgvirus</i>	21 DRC	811015	Democratic Republic of Congo	2000	JX458843	*
<i>Marburg marburgvirus</i>	22 DRC	811016	Democratic Republic of Congo	2000	JX458848	*

<i>Marburg marburgvirus</i>	23 DRC	811018	Democratic Republic of Congo	2000	JX458835	*
<i>Marburg marburgvirus</i>	24 DRC	811017	Democratic Republic of Congo	2000	JX458834	*
<i>Marburg marburgvirus</i>	25 DRC	811019	Democratic Republic of Congo	2000	JX458849	*
<i>Marburg marburgvirus</i>	26 DRC	811020	Democratic Republic of Congo	2000	JX458844	*
<i>Marburg marburgvirus</i>	27 DRC	811021	Democratic Republic of Congo	2000	JX458837	*
<i>Marburg marburgvirus</i>	28 DRC	811022	Democratic Republic of Congo	2000	JX458846	*
<i>Marburg marburgvirus</i>	29 DRC	811023	Democratic Republic of Congo	2000	JX458836	*
<i>Marburg marburgvirus</i>	30 DRC	811024	Democratic Republic of Congo	2000	JX458832	*
<i>Marburg marburgvirus</i>	32 DRC	811025	Democratic Republic of Congo	2000	JX458827	*
<i>Marburg marburgvirus</i>	33 DRC	811026	Democratic Republic of Congo	2000	JX458850	*
<i>Marburg marburgvirus</i>	34 DRC	811027	Democratic Republic of Congo	2000	JX458829	*
<i>Marburg marburgvirus</i>	Musoke	802094	Kenya	1980	DQ217792	
<i>Marburg marburgvirus</i>	Ravn	810040	Kenya	1987	DQ447649	
<i>Marburg marburgvirus</i>	Popp	n/a	Uganda/Germany	1967	Z29337	
<i>Marburg marburgvirus</i>	Leiden	n/a	Uganda/Netherlands	2008	JN408064	
<i>Marburg marburgvirus</i>	44 Bat	811274	Uganda	2007	FJ750954	
<i>Marburg marburgvirus</i>	188 Bat	811275	Uganda	2007	FJ750955	
<i>Marburg marburgvirus</i>	331 Bat	811276	Uganda	2007	FJ750959	
<i>Marburg marburgvirus</i>	371 Bat	811277	Uganda	2007	FJ750958	
<i>Marburg marburgvirus</i>	01 Uga	811210	Uganda	2007	FJ750957	
<i>Marburg marburgvirus</i>	02 Uga	811224	Uganda	2007	FJ750953	
<i>Marburg marburgvirus</i>	982 Bat	811391	Uganda	2008	FJ750956	
<i>Marburg marburgvirus</i>	53 QBat	811471	Uganda	2008	JX458852	*
<i>Marburg marburgvirus</i>	164 QBat	811472	Uganda	2008	JX458853	*
<i>Marburg marburgvirus</i>	843 QBat	811600	Uganda	2009	JX458855	*
<i>Marburg marburgvirus</i>	914 QBat	811601	Uganda	2009	JX458856	*
<i>Marburg marburgvirus</i>	1175 QBat	811602	Uganda	2009	JX458854	*
<i>Marburg marburgvirus</i>	1304 QBat	811673	Uganda	2009	JX458857	*
<i>Marburg marburgvirus</i>	1328 QBat	811674	Uganda	2009	JX458858	*
<i>Marburg marburgvirus</i>	Ozolins	808143	Zimbabwe	1975	AY358025	
Lloviu virus	Lloviu	n/a	Spain	2003	JF828358	