

FAO World Reference Laboratory for Foot-and-Mouth Disease (WRLFMD)

Genotyping Report

FMDV serotype: SAT2
Country: Eritrea
Year: 2019
Batch: WRLFMD/2019/00031
No. of sequences: 15
Report date: 27th January 2020
Report generated by: Nick Knowles
Report checked by: Jemma Wadsworth



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www: <http://www.wrlfmd.org/>

email: reporting@pirbright.ac.uk

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Virus sample name:	ERI/1/2019
Sender reference:	1148/19-1
Location of origin:	n/a
Country of origin:	Eritrea
Date of collection:	18/09/2019
Host species:	bovine
Serotype:	SAT2
Topotype:	VII
Lineage:	Lib-12
Sublineage:	
Sequence length:	642
Ambiguities:	0
Material submitted for sequencing:	BTy1
Harvest date of material:	08/01/2020
Primers:	SAT2-1C445F/SAT-2B208R; FMD-3161F/FMD-4303R
Received for sequencing:	17/01/2020
Created:	27/01/2020
Last updated:	27/01/2020

VIBASys IDs: sample 43743, genome 43744, sequence viba_43745, sequencing info 43746

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_43749	ERI/2/2019	bovine	100.0	0	SAT2	VII	Lib-12	
viba_43757	ERI/6/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43753	ERI/5/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43785	ERI/18/2019	bovine	99.7	0	SAT2	VII	Lib-12	
viba_43793	ERI/20/2019	bovine	99.7	0	SAT2	VII	Lib-12	
viba_43777	ERI/16/2019	bovine	99.7	0	SAT2	VII	Lib-12	
viba_43789	ERI/19/2019	bovine	99.7	0	SAT2	VII	Lib-12	
viba_43765	ERI/12/2019	bovine	99.7	0	SAT2	VII	Lib-12	
viba_43769	ERI/13/2019	bovine	99.7	0	SAT2	VII	Lib-12	
viba_43773	ERI/15/2019	bovine	99.7	0	SAT2	VII	Lib-12	

Most Closely Related Prototype Sequences

see <http://www.wrlfmd.org/fmdv-genome/fmd-prototype-strains>

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_742	CAR/8/2005	cattle	87.6	0	SAT2	VII		
viba_424	SAU/6/2000	bovine	87.4	1	SAT2	VII		
viba_369	UGA/51/75	bovine	75.0	0	SAT2	XII		
viba_127	KEN/3/57		74.7	0	SAT2	IX		
viba_470	KEN/2/84	bovine	74.4	0	SAT2	IX		
viba_724	ETH/2/91	bovine	74.0	0	SAT2	XIV		
viba_374	ZAI/1/74		73.7	0	SAT2	VIII		
viba_273	ETH/1/90	bovine	73.2	0	SAT2	IV		
viba_756	UGA/19/98		73.2	0	SAT2	X		
viba_189	RWA/1/2000		72.9	0	SAT2	VIII		

Virus sample name:	ERI/2/2019
Sender reference:	1148/19-8
Location of origin:	n/a
Country of origin:	Eritrea
Date of collection:	18/09/2019
Host species:	bovine
Serotype:	SAT2
Topotype:	VII
Lineage:	Lib-12
Sublineage:	
Sequence length:	642
Ambiguities:	0
Material submitted for sequencing:	BTy1
Harvest date of material:	09/01/2020
Primers:	SAT2-1C445F/SAT-2B208R; FMD-3161F/FMD-4303R
Received for sequencing:	17/01/2020
Created:	27/01/2020
Last updated:	27/01/2020

VIBASys IDs: sample 43747, genome 43748, sequence viba_43749, sequencing info 43750

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_43745	ERI/1/2019	bovine	100.0	0	SAT2	VII	Lib-12	
viba_43757	ERI/6/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43753	ERI/5/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43785	ERI/18/2019	bovine	99.7	0	SAT2	VII	Lib-12	
viba_43793	ERI/20/2019	bovine	99.7	0	SAT2	VII	Lib-12	
viba_43777	ERI/16/2019	bovine	99.7	0	SAT2	VII	Lib-12	
viba_43789	ERI/19/2019	bovine	99.7	0	SAT2	VII	Lib-12	
viba_43765	ERI/12/2019	bovine	99.7	0	SAT2	VII	Lib-12	
viba_43769	ERI/13/2019	bovine	99.7	0	SAT2	VII	Lib-12	
viba_43773	ERI/15/2019	bovine	99.7	0	SAT2	VII	Lib-12	

Most Closely Related Prototype Sequences

see <http://www.wrlfmd.org/fmdv-genome/fmd-prototype-strains>

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_742	CAR/8/2005	cattle	87.6	0	SAT2	VII		
viba_424	SAU/6/2000	bovine	87.4	1	SAT2	VII		
viba_369	UGA/51/75	bovine	75.0	0	SAT2	XII		
viba_127	KEN/3/57		74.7	0	SAT2	IX		
viba_470	KEN/2/84	bovine	74.4	0	SAT2	IX		
viba_724	ETH/2/91	bovine	74.0	0	SAT2	XIV		
viba_374	ZAI/1/74		73.7	0	SAT2	VIII		
viba_273	ETH/1/90	bovine	73.2	0	SAT2	IV		
viba_756	UGA/19/98		73.2	0	SAT2	X		
viba_189	RWA/1/2000		72.9	0	SAT2	VIII		

Virus sample name:	ERI/5/2019
Sender reference:	1183/19
Location of origin:	n/a
Country of origin:	Eritrea
Date of collection:	25/09/2019
Host species:	bovine
Serotype:	SAT2
Topotype:	VII
Lineage:	Lib-12
Sublineage:	
Sequence length:	642
Ambiguities:	0
Material submitted for sequencing:	BTy1
Harvest date of material:	09/01/2020
Primers:	SAT2-1C445F/SAT-2B208R; FMD-3161F/FMD-4303R
Received for sequencing:	17/01/2020
Created:	27/01/2020
Last updated:	27/01/2020

VIBASys IDs: sample 43751, genome 43752, sequence viba_43753, sequencing info 43754

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_43757	ERI/6/2019	bovine	100.0	0	SAT2	VII	Lib-12	
viba_43785	ERI/18/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43745	ERI/1/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43793	ERI/20/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43777	ERI/16/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43789	ERI/19/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43765	ERI/12/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43749	ERI/2/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43769	ERI/13/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43773	ERI/15/2019	bovine	99.8	0	SAT2	VII	Lib-12	

Most Closely Related Prototype Sequences

see <http://www.wrlfmd.org/fmdv-genome/fmd-prototype-strains>

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_742	CAR/8/2005	cattle	87.6	0	SAT2	VII		
viba_424	SAU/6/2000	bovine	87.4	1	SAT2	VII		
viba_369	UGA/51/75	bovine	74.8	0	SAT2	XII		
viba_127	KEN/3/57		74.7	0	SAT2	IX		
viba_470	KEN/2/84	bovine	74.4	0	SAT2	IX		
viba_724	ETH/2/91	bovine	74.0	0	SAT2	XIV		
viba_374	ZAI/1/74		73.7	0	SAT2	VIII		
viba_273	ETH/1/90	bovine	73.2	0	SAT2	IV		
viba_756	UGA/19/98		73.1	0	SAT2	X		
viba_189	RWA/1/2000		72.8	0	SAT2	VIII		

Virus sample name:	ERI/6/2019
Sender reference:	1180/19
Location of origin:	n/a
Country of origin:	Eritrea
Date of collection:	25/09/2019
Host species:	bovine
Serotype:	SAT2
Topotype:	VII
Lineage:	Lib-12
Sublineage:	
Sequence length:	642
Ambiguities:	0
Material submitted for sequencing:	BTy1
Harvest date of material:	10/01/2020
Primers:	SAT2-1C445F/SAT-2B208R; FMD-3161F/FMD-4303R
Received for sequencing:	17/01/2020
Created:	27/01/2020
Last updated:	27/01/2020

VIBASys IDs: sample 43755, genome 43756, sequence viba_43757, sequencing info 43758

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_43753	ERI/5/2019	bovine	100.0	0	SAT2	VII	Lib-12	
viba_43785	ERI/18/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43745	ERI/1/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43793	ERI/20/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43777	ERI/16/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43789	ERI/19/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43765	ERI/12/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43749	ERI/2/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43769	ERI/13/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43773	ERI/15/2019	bovine	99.8	0	SAT2	VII	Lib-12	

Most Closely Related Prototype Sequences

see <http://www.wrlfmd.org/fmdv-genome/fmd-prototype-strains>

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_742	CAR/8/2005	cattle	87.6	0	SAT2	VII		
viba_424	SAU/6/2000	bovine	87.4	1	SAT2	VII		
viba_369	UGA/51/75	bovine	74.8	0	SAT2	XII		
viba_127	KEN/3/57		74.7	0	SAT2	IX		
viba_470	KEN/2/84	bovine	74.4	0	SAT2	IX		
viba_724	ETH/2/91	bovine	74.0	0	SAT2	XIV		
viba_374	ZAI/1/74		73.7	0	SAT2	VIII		
viba_273	ETH/1/90	bovine	73.2	0	SAT2	IV		
viba_756	UGA/19/98		73.1	0	SAT2	X		
viba_189	RWA/1/2000		72.8	0	SAT2	VIII		

Virus sample name:	ERI/11/2019
Sender reference:	000F/19
Location of origin:	n/a
Country of origin:	Eritrea
Date of collection:	29/09/2019
Host species:	bovine
Serotype:	SAT2
Topotype:	VII
Lineage:	Lib-12
Sublineage:	
Sequence length:	642
Ambiguities:	0
Material submitted for sequencing:	BTy1
Harvest date of material:	10/01/2020
Primers:	SAT2-1C445F/SAT-2B208R; FMD-3161F/FMD-4303R
Received for sequencing:	17/01/2020
Created:	27/01/2020
Last updated:	27/01/2020

VIBASys IDs: sample 43759, genome 43760, sequence viba_43761, sequencing info 43762

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_43757	ERI/6/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43753	ERI/5/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43785	ERI/18/2019	bovine	99.7	0	SAT2	VII	Lib-12	
viba_43745	ERI/1/2019	bovine	99.7	0	SAT2	VII	Lib-12	
viba_43793	ERI/20/2019	bovine	99.7	0	SAT2	VII	Lib-12	
viba_43777	ERI/16/2019	bovine	99.7	0	SAT2	VII	Lib-12	
viba_43789	ERI/19/2019	bovine	99.7	0	SAT2	VII	Lib-12	
viba_43765	ERI/12/2019	bovine	99.7	0	SAT2	VII	Lib-12	
viba_43749	ERI/2/2019	bovine	99.7	0	SAT2	VII	Lib-12	
viba_43769	ERI/13/2019	bovine	99.7	0	SAT2	VII	Lib-12	

Most Closely Related Prototype Sequences

see <http://www.wrlfmd.org/fmdv-genome/fmd-prototype-strains>

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_742	CAR/8/2005	cattle	87.7	0	SAT2	VII		
viba_424	SAU/6/2000	bovine	87.2	1	SAT2	VII		
viba_369	UGA/51/75	bovine	74.7	0	SAT2	XII		
viba_127	KEN/3/57		74.5	0	SAT2	IX		
viba_470	KEN/2/84	bovine	74.3	0	SAT2	IX		
viba_724	ETH/2/91	bovine	73.9	0	SAT2	XIV		
viba_374	ZAI/1/74		73.6	0	SAT2	VIII		
viba_273	ETH/1/90	bovine	73.1	0	SAT2	IV		
viba_756	UGA/19/98		72.9	0	SAT2	X		
viba_189	RWA/1/2000		72.6	0	SAT2	VIII		

Virus sample name:	ERI/12/2019
Sender reference:	1340/19-1
Location of origin:	n/a
Country of origin:	Eritrea
Date of collection:	29/10/2019
Host species:	bovine
Serotype:	SAT2
Topotype:	VII
Lineage:	Lib-12
Sublineage:	
Sequence length:	642
Ambiguities:	0
Material submitted for sequencing:	BTy2
Harvest date of material:	11/01/2020
Primers:	SAT2-1C445F/SAT-2B208R; FMD-3161F/FMD-4303R
Received for sequencing:	17/01/2020
Created:	27/01/2020
Last updated:	27/01/2020

VIBASys IDs: sample 43763, genome 43764, sequence viba_43765, sequencing info 43766

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_43785	ERI/18/2019	bovine	100.0	0	SAT2	VII	Lib-12	
viba_43793	ERI/20/2019	bovine	100.0	0	SAT2	VII	Lib-12	
viba_43777	ERI/16/2019	bovine	100.0	0	SAT2	VII	Lib-12	
viba_43789	ERI/19/2019	bovine	100.0	0	SAT2	VII	Lib-12	
viba_43769	ERI/13/2019	bovine	100.0	0	SAT2	VII	Lib-12	
viba_43773	ERI/15/2019	bovine	100.0	0	SAT2	VII	Lib-12	
viba_43757	ERI/6/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43781	ERI/17/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43753	ERI/5/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43745	ERI/1/2019	bovine	99.7	0	SAT2	VII	Lib-12	

Most Closely Related Prototype Sequences

see <http://www.wrlfmd.org/fmdv-genome/fmd-prototype-strains>

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_742	CAR/8/2005	cattle	87.7	0	SAT2	VII		
viba_424	SAU/6/2000	bovine	87.5	1	SAT2	VII		
viba_127	KEN/3/57		74.8	0	SAT2	IX		
viba_369	UGA/51/75	bovine	74.7	0	SAT2	XII		
viba_470	KEN/2/84	bovine	74.3	0	SAT2	IX		
viba_724	ETH/2/91	bovine	74.2	0	SAT2	XIV		
viba_374	ZAI/1/74		73.9	0	SAT2	VIII		
viba_273	ETH/1/90	bovine	73.1	0	SAT2	IV		
viba_189	RWA/1/2000		72.9	0	SAT2	VIII		
viba_756	UGA/19/98		72.9	0	SAT2	X		

Virus sample name:	ERI/13/2019
Sender reference:	1340/19-2
Location of origin:	n/a
Country of origin:	Eritrea
Date of collection:	29/10/2019
Host species:	bovine
Serotype:	SAT2
Topotype:	VII
Lineage:	Lib-12
Sublineage:	
Sequence length:	642
Ambiguities:	0
Material submitted for sequencing:	BTy1
Harvest date of material:	10/01/2020
Primers:	SAT2-1C445F/SAT-2B208R; FMD-3161F/FMD-4303R
Received for sequencing:	17/01/2020
Created:	27/01/2020
Last updated:	27/01/2020

VIBASys IDs: sample 43767, genome 43768, sequence viba_43769, sequencing info 43770

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_43785	ERI/18/2019	bovine	100.0	0	SAT2	VII	Lib-12	
viba_43793	ERI/20/2019	bovine	100.0	0	SAT2	VII	Lib-12	
viba_43777	ERI/16/2019	bovine	100.0	0	SAT2	VII	Lib-12	
viba_43789	ERI/19/2019	bovine	100.0	0	SAT2	VII	Lib-12	
viba_43765	ERI/12/2019	bovine	100.0	0	SAT2	VII	Lib-12	
viba_43773	ERI/15/2019	bovine	100.0	0	SAT2	VII	Lib-12	
viba_43757	ERI/6/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43781	ERI/17/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43753	ERI/5/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43745	ERI/1/2019	bovine	99.7	0	SAT2	VII	Lib-12	

Most Closely Related Prototype Sequences

see <http://www.wrlfmd.org/fmdv-genome/fmd-prototype-strains>

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_742	CAR/8/2005	cattle	87.7	0	SAT2	VII		
viba_424	SAU/6/2000	bovine	87.5	1	SAT2	VII		
viba_127	KEN/3/57		74.8	0	SAT2	IX		
viba_369	UGA/51/75	bovine	74.7	0	SAT2	XII		
viba_470	KEN/2/84	bovine	74.3	0	SAT2	IX		
viba_724	ETH/2/91	bovine	74.2	0	SAT2	XIV		
viba_374	ZAI/1/74		73.9	0	SAT2	VIII		
viba_273	ETH/1/90	bovine	73.1	0	SAT2	IV		
viba_189	RWA/1/2000		72.9	0	SAT2	VIII		
viba_756	UGA/19/98		72.9	0	SAT2	X		

Virus sample name:	ERI/15/2019
Sender reference:	1340/19-4
Location of origin:	n/a
Country of origin:	Eritrea
Date of collection:	29/10/2019
Host species:	bovine
Serotype:	SAT2
Topotype:	VII
Lineage:	Lib-12
Sublineage:	
Sequence length:	642
Ambiguities:	0
Material submitted for sequencing:	BTy1
Harvest date of material:	11/01/2020
Primers:	SAT2-1C445F/SAT-2B208R; FMD-3161F/FMD-4303R
Received for sequencing:	17/01/2020
Created:	27/01/2020
Last updated:	27/01/2020

VIBASys IDs: sample 43771, genome 43772, sequence viba_43773, sequencing info 43774

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_43785	ERI/18/2019	bovine	100.0	0	SAT2	VII	Lib-12	
viba_43793	ERI/20/2019	bovine	100.0	0	SAT2	VII	Lib-12	
viba_43777	ERI/16/2019	bovine	100.0	0	SAT2	VII	Lib-12	
viba_43789	ERI/19/2019	bovine	100.0	0	SAT2	VII	Lib-12	
viba_43765	ERI/12/2019	bovine	100.0	0	SAT2	VII	Lib-12	
viba_43769	ERI/13/2019	bovine	100.0	0	SAT2	VII	Lib-12	
viba_43757	ERI/6/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43781	ERI/17/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43753	ERI/5/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43745	ERI/1/2019	bovine	99.7	0	SAT2	VII	Lib-12	

Most Closely Related Prototype Sequences

see <http://www.wrlfmd.org/fmdv-genome/fmd-prototype-strains>

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_742	CAR/8/2005	cattle	87.7	0	SAT2	VII		
viba_424	SAU/6/2000	bovine	87.5	1	SAT2	VII		
viba_127	KEN/3/57		74.8	0	SAT2	IX		
viba_369	UGA/51/75	bovine	74.7	0	SAT2	XII		
viba_470	KEN/2/84	bovine	74.3	0	SAT2	IX		
viba_724	ETH/2/91	bovine	74.2	0	SAT2	XIV		
viba_374	ZAI/1/74		73.9	0	SAT2	VIII		
viba_273	ETH/1/90	bovine	73.1	0	SAT2	IV		
viba_189	RWA/1/2000		72.9	0	SAT2	VIII		
viba_756	UGA/19/98		72.9	0	SAT2	X		

Virus sample name:	ERI/16/2019
Sender reference:	1340/19-5
Location of origin:	n/a
Country of origin:	Eritrea
Date of collection:	29/10/2019
Host species:	bovine
Serotype:	SAT2
Topotype:	VII
Lineage:	Lib-12
Sublineage:	
Sequence length:	642
Ambiguities:	0
Material submitted for sequencing:	BTy1
Harvest date of material:	10/01/2020
Primers:	SAT2-1C445F/SAT-2B208R; FMD-3161F/FMD-4303R
Received for sequencing:	17/01/2020
Created:	27/01/2020
Last updated:	27/01/2020

VIBASys IDs: sample 43775, genome 43776, sequence viba_43777, sequencing info 43778

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_43785	ERI/18/2019	bovine	100.0	0	SAT2	VII	Lib-12	
viba_43793	ERI/20/2019	bovine	100.0	0	SAT2	VII	Lib-12	
viba_43789	ERI/19/2019	bovine	100.0	0	SAT2	VII	Lib-12	
viba_43765	ERI/12/2019	bovine	100.0	0	SAT2	VII	Lib-12	
viba_43769	ERI/13/2019	bovine	100.0	0	SAT2	VII	Lib-12	
viba_43773	ERI/15/2019	bovine	100.0	0	SAT2	VII	Lib-12	
viba_43757	ERI/6/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43781	ERI/17/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43753	ERI/5/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43745	ERI/1/2019	bovine	99.7	0	SAT2	VII	Lib-12	

Most Closely Related Prototype Sequences

see <http://www.wrlfmd.org/fmdv-genome/fmd-prototype-strains>

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_742	CAR/8/2005	cattle	87.7	0	SAT2	VII		
viba_424	SAU/6/2000	bovine	87.5	1	SAT2	VII		
viba_127	KEN/3/57		74.8	0	SAT2	IX		
viba_369	UGA/51/75	bovine	74.7	0	SAT2	XII		
viba_470	KEN/2/84	bovine	74.3	0	SAT2	IX		
viba_724	ETH/2/91	bovine	74.2	0	SAT2	XIV		
viba_374	ZAI/1/74		73.9	0	SAT2	VIII		
viba_273	ETH/1/90	bovine	73.1	0	SAT2	IV		
viba_189	RWA/1/2000		72.9	0	SAT2	VIII		
viba_756	UGA/19/98		72.9	0	SAT2	X		

Virus sample name:	ERI/17/2019
Sender reference:	1340/19-6
Location of origin:	n/a
Country of origin:	Eritrea
Date of collection:	29/10/2019
Host species:	bovine
Serotype:	SAT2
Topotype:	VII
Lineage:	Lib-12
Sublineage:	
Sequence length:	642
Ambiguities:	0
Material submitted for sequencing:	BTy1
Harvest date of material:	10/01/2020
Primers:	SAT2-1C445F/SAT-2B208R; FMD-3161F/FMD-4303R
Received for sequencing:	17/01/2020
Created:	27/01/2020
Last updated:	27/01/2020

VIBASys IDs: sample 43779, genome 43780, sequence viba_43781, sequencing info 43782

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_43785	ERI/18/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43793	ERI/20/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43777	ERI/16/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43789	ERI/19/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43765	ERI/12/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43769	ERI/13/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43773	ERI/15/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43757	ERI/6/2019	bovine	99.7	0	SAT2	VII	Lib-12	
viba_43753	ERI/5/2019	bovine	99.7	0	SAT2	VII	Lib-12	
viba_43745	ERI/1/2019	bovine	99.5	0	SAT2	VII	Lib-12	

Most Closely Related Prototype Sequences

see <http://www.wrlfmd.org/fmdv-genome/fmd-prototype-strains>

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_742	CAR/8/2005	cattle	87.9	0	SAT2	VII		
viba_424	SAU/6/2000	bovine	87.7	1	SAT2	VII		
viba_127	KEN/3/57		74.7	0	SAT2	IX		
viba_369	UGA/51/75	bovine	74.5	0	SAT2	XII		
viba_724	ETH/2/91	bovine	74.1	0	SAT2	XIV		
viba_470	KEN/2/84	bovine	74.1	0	SAT2	IX		
viba_374	ZAI/1/74		73.7	0	SAT2	VIII		
viba_273	ETH/1/90	bovine	72.9	0	SAT2	IV		
viba_189	RWA/1/2000		72.8	0	SAT2	VIII		
viba_756	UGA/19/98		72.8	0	SAT2	X		

Virus sample name:	ERI/18/2019
Sender reference:	1340/19-7
Location of origin:	n/a
Country of origin:	Eritrea
Date of collection:	29/10/2019
Host species:	bovine
Serotype:	SAT2
Topotype:	VII
Lineage:	Lib-12
Sublineage:	
Sequence length:	642
Ambiguities:	0
Material submitted for sequencing:	BTy1
Harvest date of material:	11/01/2020
Primers:	SAT2-1C445F/SAT-2B208R; FMD-3161F/FMD-4303R
Received for sequencing:	17/01/2020
Created:	27/01/2020
Last updated:	27/01/2020

VIBASys IDs: sample 43783, genome 43784, sequence viba_43785, sequencing info 43786

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_43793	ERI/20/2019	bovine	100.0	0	SAT2	VII	Lib-12	
viba_43777	ERI/16/2019	bovine	100.0	0	SAT2	VII	Lib-12	
viba_43789	ERI/19/2019	bovine	100.0	0	SAT2	VII	Lib-12	
viba_43765	ERI/12/2019	bovine	100.0	0	SAT2	VII	Lib-12	
viba_43769	ERI/13/2019	bovine	100.0	0	SAT2	VII	Lib-12	
viba_43773	ERI/15/2019	bovine	100.0	0	SAT2	VII	Lib-12	
viba_43757	ERI/6/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43781	ERI/17/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43753	ERI/5/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43745	ERI/1/2019	bovine	99.7	0	SAT2	VII	Lib-12	

Most Closely Related Prototype Sequences

see <http://www.wrlfmd.org/fmdv-genome/fmd-prototype-strains>

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_742	CAR/8/2005	cattle	87.7	0	SAT2	VII		
viba_424	SAU/6/2000	bovine	87.5	1	SAT2	VII		
viba_127	KEN/3/57		74.8	0	SAT2	IX		
viba_369	UGA/51/75	bovine	74.7	0	SAT2	XII		
viba_470	KEN/2/84	bovine	74.3	0	SAT2	IX		
viba_724	ETH/2/91	bovine	74.2	0	SAT2	XIV		
viba_374	ZAI/1/74		73.9	0	SAT2	VIII		
viba_273	ETH/1/90	bovine	73.1	0	SAT2	IV		
viba_189	RWA/1/2000		72.9	0	SAT2	VIII		
viba_756	UGA/19/98		72.9	0	SAT2	X		

Virus sample name:	ERI/19/2019
Sender reference:	1340/19-8
Location of origin:	n/a
Country of origin:	Eritrea
Date of collection:	29/10/2019
Host species:	bovine
Serotype:	SAT2
Topotype:	VII
Lineage:	Lib-12
Sublineage:	
Sequence length:	642
Ambiguities:	0
Material submitted for sequencing:	BTy1
Harvest date of material:	10/01/2020
Primers:	SAT2-1C445F/SAT-2B208R; FMD-3161F/FMD-4303R
Received for sequencing:	17/01/2020
Created:	27/01/2020
Last updated:	27/01/2020

VIBASys IDs: sample 43787, genome 43788, sequence viba_43789, sequencing info 43790

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_43785	ERI/18/2019	bovine	100.0	0	SAT2	VII	Lib-12	
viba_43793	ERI/20/2019	bovine	100.0	0	SAT2	VII	Lib-12	
viba_43777	ERI/16/2019	bovine	100.0	0	SAT2	VII	Lib-12	
viba_43765	ERI/12/2019	bovine	100.0	0	SAT2	VII	Lib-12	
viba_43769	ERI/13/2019	bovine	100.0	0	SAT2	VII	Lib-12	
viba_43773	ERI/15/2019	bovine	100.0	0	SAT2	VII	Lib-12	
viba_43757	ERI/6/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43781	ERI/17/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43753	ERI/5/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43745	ERI/1/2019	bovine	99.7	0	SAT2	VII	Lib-12	

Most Closely Related Prototype Sequences

see <http://www.wrlfmd.org/fmdv-genome/fmd-prototype-strains>

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_742	CAR/8/2005	cattle	87.7	0	SAT2	VII		
viba_424	SAU/6/2000	bovine	87.5	1	SAT2	VII		
viba_127	KEN/3/57		74.8	0	SAT2	IX		
viba_369	UGA/51/75	bovine	74.7	0	SAT2	XII		
viba_470	KEN/2/84	bovine	74.3	0	SAT2	IX		
viba_724	ETH/2/91	bovine	74.2	0	SAT2	XIV		
viba_374	ZAI/1/74		73.9	0	SAT2	VIII		
viba_273	ETH/1/90	bovine	73.1	0	SAT2	IV		
viba_189	RWA/1/2000		72.9	0	SAT2	VIII		
viba_756	UGA/19/98		72.9	0	SAT2	X		

Virus sample name:	ERI/20/2019
Sender reference:	1340/19-9
Location of origin:	n/a
Country of origin:	Eritrea
Date of collection:	29/10/2019
Host species:	bovine
Serotype:	SAT2
Topotype:	VII
Lineage:	Lib-12
Sublineage:	
Sequence length:	642
Ambiguities:	0
Material submitted for sequencing:	BTy1
Harvest date of material:	10/01/2020
Primers:	SAT2-1C445F/SAT-2B208R; FMD-3161F/FMD-4303R
Received for sequencing:	17/01/2020
Created:	27/01/2020
Last updated:	27/01/2020

VIBASys IDs: sample 43791, genome 43792, sequence viba_43793, sequencing info 43794

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_43785	ERI/18/2019	bovine	100.0	0	SAT2	VII	Lib-12	
viba_43777	ERI/16/2019	bovine	100.0	0	SAT2	VII	Lib-12	
viba_43789	ERI/19/2019	bovine	100.0	0	SAT2	VII	Lib-12	
viba_43765	ERI/12/2019	bovine	100.0	0	SAT2	VII	Lib-12	
viba_43769	ERI/13/2019	bovine	100.0	0	SAT2	VII	Lib-12	
viba_43773	ERI/15/2019	bovine	100.0	0	SAT2	VII	Lib-12	
viba_43757	ERI/6/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43781	ERI/17/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43753	ERI/5/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43745	ERI/1/2019	bovine	99.7	0	SAT2	VII	Lib-12	

Most Closely Related Prototype Sequences

see <http://www.wrlfmd.org/fmdv-genome/fmd-prototype-strains>

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_742	CAR/8/2005	cattle	87.7	0	SAT2	VII		
viba_424	SAU/6/2000	bovine	87.5	1	SAT2	VII		
viba_127	KEN/3/57		74.8	0	SAT2	IX		
viba_369	UGA/51/75	bovine	74.7	0	SAT2	XII		
viba_470	KEN/2/84	bovine	74.3	0	SAT2	IX		
viba_724	ETH/2/91	bovine	74.2	0	SAT2	XIV		
viba_374	ZAI/1/74		73.9	0	SAT2	VIII		
viba_273	ETH/1/90	bovine	73.1	0	SAT2	IV		
viba_189	RWA/1/2000		72.9	0	SAT2	VIII		
viba_756	UGA/19/98		72.9	0	SAT2	X		

Virus sample name:	ERI/28/2019
Sender reference:	1464/19-3
Location of origin:	n/a
Country of origin:	Eritrea
Date of collection:	25/11/2019
Host species:	bovine
Serotype:	SAT2
Topotype:	VII
Lineage:	Lib-12
Sublineage:	
Sequence length:	642
Ambiguities:	0
Material submitted for sequencing:	BTy1
Harvest date of material:	11/01/2020
Primers:	SAT2-1C445F/SAT-2B208R; FMD-3161F/FMD-4303R
Received for sequencing:	17/01/2020
Created:	27/01/2020
Last updated:	27/01/2020

VIBASys IDs: sample 43795, genome 43796, sequence viba_43797, sequencing info 43798

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_43801	ERI/29/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43757	ERI/6/2019	bovine	99.7	0	SAT2	VII	Lib-12	
viba_43753	ERI/5/2019	bovine	99.7	0	SAT2	VII	Lib-12	
viba_43785	ERI/18/2019	bovine	99.5	0	SAT2	VII	Lib-12	
viba_43745	ERI/1/2019	bovine	99.5	0	SAT2	VII	Lib-12	
viba_43793	ERI/20/2019	bovine	99.5	0	SAT2	VII	Lib-12	
viba_43777	ERI/16/2019	bovine	99.5	0	SAT2	VII	Lib-12	
viba_43789	ERI/19/2019	bovine	99.5	0	SAT2	VII	Lib-12	
viba_43765	ERI/12/2019	bovine	99.5	0	SAT2	VII	Lib-12	
viba_43749	ERI/2/2019	bovine	99.5	0	SAT2	VII	Lib-12	

Most Closely Related Prototype Sequences

see <http://www.wrlfmd.org/fmdv-genome/fmd-prototype-strains>

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_742	CAR/8/2005	cattle	87.3	0	SAT2	VII		
viba_424	SAU/6/2000	bovine	87.1	1	SAT2	VII		
viba_369	UGA/51/75	bovine	74.8	0	SAT2	XII		
viba_127	KEN/3/57		74.4	0	SAT2	IX		
viba_724	ETH/2/91	bovine	74.2	0	SAT2	XIV		
viba_470	KEN/2/84	bovine	74.1	0	SAT2	IX		
viba_374	ZAI/1/74		73.6	0	SAT2	VIII		
viba_273	ETH/1/90	bovine	73.4	0	SAT2	IV		
viba_756	UGA/19/98		72.9	0	SAT2	X		
viba_189	RWA/1/2000		72.6	0	SAT2	VIII		

Virus sample name:	ERI/29/2019
Sender reference:	1464/19-4
Location of origin:	n/a
Country of origin:	Eritrea
Date of collection:	25/11/2019
Host species:	bovine
Serotype:	SAT2
Topotype:	VII
Lineage:	Lib-12
Sublineage:	
Sequence length:	642
Ambiguities:	0
Material submitted for sequencing:	BTy1
Harvest date of material:	11/01/2020
Primers:	SAT2-1C445F/SAT-2B208R; FMD-3161F/FMD-4303R
Received for sequencing:	17/01/2020
Created:	27/01/2020
Last updated:	27/01/2020

VIBASys IDs: sample 43799, genome 43800, sequence viba_43801, sequencing info 43802

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_43797	ERI/28/2019	bovine	99.8	0	SAT2	VII	Lib-12	
viba_43757	ERI/6/2019	bovine	99.5	0	SAT2	VII	Lib-12	
viba_43753	ERI/5/2019	bovine	99.5	0	SAT2	VII	Lib-12	
viba_43785	ERI/18/2019	bovine	99.4	0	SAT2	VII	Lib-12	
viba_43745	ERI/1/2019	bovine	99.4	0	SAT2	VII	Lib-12	
viba_43793	ERI/20/2019	bovine	99.4	0	SAT2	VII	Lib-12	
viba_43777	ERI/16/2019	bovine	99.4	0	SAT2	VII	Lib-12	
viba_43789	ERI/19/2019	bovine	99.4	0	SAT2	VII	Lib-12	
viba_43765	ERI/12/2019	bovine	99.4	0	SAT2	VII	Lib-12	
viba_43749	ERI/2/2019	bovine	99.4	0	SAT2	VII	Lib-12	

Most Closely Related Prototype Sequences

see <http://www.wrlfmd.org/fmdv-genome/fmd-prototype-strains>

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_742	CAR/8/2005	cattle	87.1	0	SAT2	VII		
viba_424	SAU/6/2000	bovine	86.9	1	SAT2	VII		
viba_369	UGA/51/75	bovine	74.7	0	SAT2	XII		
viba_127	KEN/3/57		74.2	0	SAT2	IX		
viba_724	ETH/2/91	bovine	74.0	0	SAT2	XIV		
viba_470	KEN/2/84	bovine	74.0	0	SAT2	IX		
viba_374	ZAI/1/74		73.7	0	SAT2	VIII		
viba_273	ETH/1/90	bovine	73.5	0	SAT2	IV		
viba_189	RWA/1/2000		72.8	0	SAT2	VIII		
viba_756	UGA/19/98		72.7	0	SAT2	X		

Report on FMDV SAT2 in Eritrea in 2019

Batch: WRLFMD/2019/00031



*, not a WRLFMD Reference Number

Analysis Parameters

VP1 subsequence extractor:	vp1_SAT2
Query sequence set:	WRLFMD/2019/00031-Eritrea-SAT2 (15 sequences)
Sequence database set:	allseqs_SAT2 (1015 sequences)
Prototype sequence set:	!prototypes_SAT2 (25 sequences)
Number of related sequences reported:	10
Minimal VP1 subsequence match length	600
Sequence alignment method:	muscle (default parameters)
Sequence alignment length:	642
Phylogeny reconstruction method:	fdnadist, fneighbor
Number of bootstrap samples:	1000
Random seed for bootstrapping:	1
Displaying bootstrap values above:	70.0%
Number of sequences in tree capped at:	100
Number of prototype sequences in tree:	10
VIBASys version:	reflabs-1.1.2

Sequences in the Phylogenetic Tree

All sequences in the tree are in taxonomic group FMDV/SAT2

label	accession	host(s)	lab	country	taxonomic information
ERI/29/2019	n/a	bovine	WRLFMD	Eritrea	VII/Lib-12
ERI/28/2019	n/a	bovine	WRLFMD	Eritrea	VII/Lib-12
ERI/11/2019	n/a	bovine	WRLFMD	Eritrea	VII/Lib-12
ERI/5/2019	n/a	bovine	WRLFMD	Eritrea	VII/Lib-12
ERI/6/2019	n/a	bovine	WRLFMD	Eritrea	VII/Lib-12
ERI/2/2019	n/a	bovine	WRLFMD	Eritrea	VII/Lib-12
ERI/1/2019	n/a	bovine	WRLFMD	Eritrea	VII/Lib-12
ERI/16/2019	n/a	bovine	WRLFMD	Eritrea	VII/Lib-12
ERI/17/2019	n/a	bovine	WRLFMD	Eritrea	VII/Lib-12
ERI/18/2019	n/a	bovine	WRLFMD	Eritrea	VII/Lib-12
ERI/19/2019	n/a	bovine	WRLFMD	Eritrea	VII/Lib-12
ERI/20/2019	n/a	bovine	WRLFMD	Eritrea	VII/Lib-12
ERI/13/2019	n/a	bovine	WRLFMD	Eritrea	VII/Lib-12
ERI/12/2019	n/a	bovine	WRLFMD	Eritrea	VII/Lib-12
ERI/15/2019	n/a	bovine	WRLFMD	Eritrea	VII/Lib-12
EGY/31/2018	n/a	cattle	WRLFMD	Egypt	VII/Lib-12
EGY/34/2018	n/a	cattle	WRLFMD	Egypt	VII/Lib-12
EGY/19/2018	n/a	cattle	WRLFMD	Egypt	VII/Lib-12
EGY/21/2018	n/a	cattle	WRLFMD	Egypt	VII/Lib-12
ETH/11/2018	MN987552	cattle	WRLFMD	Ethiopia	VII/Lib-12
EGY/7/2018	n/a	cattle	WRLFMD	Egypt	VII/Lib-12
GHA/Tul/2/2018*	LC456874	cattle	NIAH-JAPAN	Ghana	VII/Lib-12
GHA/Tul/5/2018*	LC456875	cattle	NIAH-JAPAN	Ghana	VII/Lib-12
CHD/7/2016*	MH748579	cattle	ANSES	Chad	VII/Lib-12
PL/KWK/02/NIG/2017*	n/a	bovine	CFIA/NVRI	Nigeria	VII/Lib-12
PL/PKN/01/NIG/2017*	n/a	bovine	CFIA/NVRI	Nigeria	VII/Lib-12
PL/PKN/02/NIG/2017*	n/a	bovine	CFIA/NVRI	Nigeria	VII/Lib-12
PL/JS/KA/1/17/NIG/2017*	n/a	bovine	CFIA/NVRI	Nigeria	VII/Lib-12
PL/LANG/02/NIG/2017*	n/a	bovine	CFIA/NVRI	Nigeria	VII/Lib-12
PL/WAS/03/NIG/2017*	n/a	bovine	CFIA/NVRI	Nigeria	VII/Lib-12
PL/WAS/01/NIG/2017*	n/a	bovine	CFIA/NVRI	Nigeria	VII/Lib-12
NIG/2/14b*	MH894445	cattle	PIADC	Nigeria	VII/Lib-12
NIG/3/14b*	MH894446	cattle	PIADC	Nigeria	VII/Lib-12
NIG/1/14b*	MH894444	cattle	PIADC	Nigeria	VII/Lib-12
CAR/G5819/2015*	MG873224	cattle	PIADC	Cameroon	VII/Lib-12
BAU/TR/1/NIG/2018*	n/a	bovine	CFIA/NVRI	Nigeria	VII/Lib-12

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label	accession	host(s)	lab	country	taxonomic information
CAR/2/2012	KX266284	n/a	WRLFMD	Cameroon	VII/Lib-12
CAR/4/2012	KX266286	n/a	WRLFMD	Cameroon	VII/Lib-12
CAR/3/2012	KX266285	n/a	WRLFMD	Cameroon	VII/Lib-12
CAR/1/2012	KX266283	n/a	WRLFMD	Cameroon	VII/Lib-12
CAR/24/2012	KX266290	bovine	WRLFMD	Cameroon	VII/Lib-12
CAR/10/2012	KX266289	n/a	WRLFMD	Cameroon	VII/Lib-12
CAR/9/2012	KX266288	n/a	WRLFMD	Cameroon	VII/Lib-12
CAR/B001070/2012*	KY581675	cattle	PIADC	Cameroon	VII/Lib-12
CAR/12/2013	n/a	cattle	WRLFMD	Cameroon	VII/Lib-12
CAR/16/2013	n/a	cattle	WRLFMD	Cameroon	VII/Lib-12
CAR/37/2013	n/a	cattle	WRLFMD	Cameroon	VII/Lib-12
CAR/34/2013	n/a	cattle	WRLFMD	Cameroon	VII/Lib-12
LIB/41/2012	JX570635	cattle	WRLFMD	Libya	VII/Lib-12
LIB/39/2012	JX570633	cattle	WRLFMD	Libya	VII/Lib-12
LIB/40/2012	JX570634	cattle	WRLFMD	Libya	VII/Lib-12
CAR/G3853/2012*	KY581671	cattle	PIADC	Cameroon	VII/Lib-12
CAR/G3852/2012*	KY581672	cattle	PIADC	Cameroon	VII/Lib-12
CAR/G3796/2012*	KY581674	cattle	PIADC	Cameroon	VII/Lib-12
CAR/78/2012	KX266291	bovine	WRLFMD	Cameroon	VII/Lib-12
CAR/G3808/2012*	KY581673	cattle	PIADC	Cameroon	VII/Lib-12
CAR/8/2012	KX266287	n/a	WRLFMD	Cameroon	VII/Lib-12
SAU/6/2000	AF367135	bovine	OVI	Saudi Arabia	VII
CAR/24/2005	KX258142	cattle	WRLFMD	Cameroon	VII
CAR/89/2005	KX258170	cattle	WRLFMD	Cameroon	VII
CAR/8/2005	JX570616	cattle	WRLFMD	Cameroon	VII
NIG/8/2011	KX258087	bovine	WRLFMD	Nigeria	VII
NIG/9/2011	KX258088	bovine	WRLFMD	Nigeria	VII
Nig/6/12*	MH580471	bovine	Sciensano	Nigeria	VII
Nig/15/12*	MH580476	bovine	Sciensano	Nigeria	VII
NIG/2/2008	KX258077	cattle	WRLFMD	Nigeria	VII
NIG/1/2008	KX258076	cattle	WRLFMD	Nigeria	VII
NIG/3/2008	KX258078	cattle	WRLFMD	Nigeria	VII
NIG/8/2008	KX258083	cattle	WRLFMD	Nigeria	VII
NIG/4/2008	KX258079	cattle	WRLFMD	Nigeria	VII
NIG/2/2007	JX570636	cattle	WRLFMD	Nigeria	VII
NIG/6/2008	KX258081	cattle	WRLFMD	Nigeria	VII
NIG/7/2008	KX258082	cattle	WRLFMD	Nigeria	VII
NIG/5/2008	KX258080	cattle	WRLFMD	Nigeria	VII
CAR/909/2012*	KU720582	cattle	PIADC	Cameroon	VII
CAR/911/2012*	KU720584	cattle	PIADC	Cameroon	VII
CAR/910/2012*	KU720583	cattle	PIADC	Cameroon	VII
SUD/1/2007	GU566071	cattle	WRLFMD	Sudan	VII
ETH/2/91	AY343938	bovine	OVI	Ethiopia	XIV
KEN/2/84	AY343941	bovine	OVI	Kenya	IX
KEN/3/57	AJ251473	n/a	WRLFMD	Kenya	IX
UGA/51/75	AY343963	bovine	OVI	Uganda	XII
UGA/19/98	AY343969	n/a	OVI	Uganda	X
RWA/1/2000*	AF367134	n/a	OVI	Rwanda	VIII
ZAI/1/74	DQ009737	n/a	OVI	Zaire	VIII
ETH/1/90	AY343935	bovine	OVI	Ethiopia	IV

*, not a WRLFMD Reference Number

n/a, not available