

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

Genotyping Report

FMDV serotype: SAT2
Country: Nigeria
Year: 2020
Batch: WRLFMD/2021/00003
No. of sequences: 6
Report date: 23rd March 2021
Report generated by: Nick Knowles
Report checked by: Jemma Wadsworth



Copyright © 2021 The Pirbright Institute, Ash Road, Pirbright, Woking GU24 0NF, United Kingdom.

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

email: reporting@pirbright.ac.uk

The contents of this report should not be reproduced without permission.

Virus sample name:	NIG/1/2020
Sender reference:	KGR/1/20
Location of origin:	Kachia grazing reserve
Country of origin:	Nigeria
Date of collection:	11/01/2020
Host species:	cattle
Serotype:	SAT2
Topotype:	VII
Lineage:	Lib-12
Sublineage:	
Sequence length:	642
Ambiguities:	0
Material submitted for sequencing:	BTy1
Harvest date of material:	02/03/2021
Primers:	SAT2-1C445F/SAT-2B208R, FMD-3161F/FMD-4303R
Received for sequencing:	11/03/2021
Created:	23/03/2021
Last updated:	23/03/2021
VIBASys IDs: sample 47639, genome 47640, sequence viba_47641, sequencing info 47642	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_47661	NIG/8/2020	cattle	100.0	0	SAT2	VII	Lib-12	
viba_47645	NIG/2/2020	cattle	100.0	0	SAT2	VII	Lib-12	
viba_47657	NIG/6/2020	cattle	100.0	0	SAT2	VII	Lib-12	
viba_47653	NIG/4/2020	cattle	100.0	0	SAT2	VII	Lib-12	
viba_47649	NIG/3/2020	cattle	100.0	0	SAT2	VII	Lib-12	
viba_45704	LAG/IBJ/01/NIG/2019	bovine	98.6	3	SAT2	VII	Lib-12	
viba_41088	NIG/2/14b	cattle	95.5	0	SAT2	VII	Lib-12	
viba_41084	NIG/1/14b	cattle	95.5	0	SAT2	VII	Lib-12	
viba_36870	CAR/G5819/2015	cattle	95.5	0	SAT2	VII	Lib-12	
viba_41092	NIG/3/14b	cattle	95.5	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	87.7	0	SAT2	VII		
viba_424	SAU/6/2000	bovine	87.2	1	SAT2	VII		
viba_127	KEN/3/57		75.3	0	SAT2	IX		
viba_374	ZAI/1/74		74.8	0	SAT2	VIII		
viba_470	KEN/2/84	bovine	74.5	0	SAT2	IX		
viba_756	UGA/19/98		74.3	0	SAT2	X		
viba_380	RHO/1/48		74.2	0	SAT2	III		
viba_369	UGA/51/75	bovine	74.2	0	SAT2	XII		
viba_724	ETH/2/91	bovine	73.8	0	SAT2	XIV		
viba_189	RWA/1/2000		73.6	0	SAT2	VIII		

Virus sample name:	NIG/2/2020
Sender reference:	KGR/2/20
Location of origin:	Kachia grazing reserve
Country of origin:	Nigeria
Date of collection:	11/01/2020
Host species:	cattle
Serotype:	SAT2
Topotype:	VII
Lineage:	Lib-12
Sublineage:	
Sequence length:	642
Ambiguities:	0
Material submitted for sequencing:	BTy1
Harvest date of material:	02/03/2021
Primers:	SAT2-1C445F/SAT-2B208R, FMD-3161F/FMD-4303R
Received for sequencing:	11/03/2021
Created:	23/03/2021
Last updated:	23/03/2021
VIBASys IDs: sample 47643, genome 47644, sequence viba_47645, sequencing info 47646	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_47661	NIG/8/2020	cattle	100.0	0	SAT2	VII	Lib-12	
viba_47657	NIG/6/2020	cattle	100.0	0	SAT2	VII	Lib-12	
viba_47641	NIG/1/2020	cattle	100.0	0	SAT2	VII	Lib-12	
viba_47653	NIG/4/2020	cattle	100.0	0	SAT2	VII	Lib-12	
viba_47649	NIG/3/2020	cattle	100.0	0	SAT2	VII	Lib-12	
viba_45704	LAG/IBJ/01/NIG/2019	bovine	98.6	3	SAT2	VII	Lib-12	
viba_41088	NIG/2/14b	cattle	95.5	0	SAT2	VII	Lib-12	
viba_41084	NIG/1/14b	cattle	95.5	0	SAT2	VII	Lib-12	
viba_36870	CAR/G5819/2015	cattle	95.5	0	SAT2	VII	Lib-12	
viba_41092	NIG/3/14b	cattle	95.5	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	87.7	0	SAT2	VII		
viba_424	SAU/6/2000	bovine	87.2	1	SAT2	VII		
viba_127	KEN/3/57		75.3	0	SAT2	IX		
viba_374	ZAI/1/74		74.8	0	SAT2	VIII		
viba_470	KEN/2/84	bovine	74.5	0	SAT2	IX		
viba_756	UGA/19/98		74.3	0	SAT2	X		
viba_380	RHO/1/48		74.2	0	SAT2	III		
viba_369	UGA/51/75	bovine	74.2	0	SAT2	XII		
viba_724	ETH/2/91	bovine	73.8	0	SAT2	XIV		
viba_189	RWA/1/2000		73.6	0	SAT2	VIII		

Virus sample name:	NIG/3/2020
Sender reference:	KGR/3/20
Location of origin:	Kachia grazing reserve
Country of origin:	Nigeria
Date of collection:	11/01/2020
Host species:	cattle
Serotype:	SAT2
Topotype:	VII
Lineage:	Lib-12
Sublineage:	
Sequence length:	642
Ambiguities:	0
Material submitted for sequencing:	BTy1
Harvest date of material:	04/03/2021
Primers:	SAT2-1C445F/SAT-2B208R, FMD-3161F/FMD-4303R
Received for sequencing:	11/03/2021
Created:	23/03/2021
Last updated:	23/03/2021
VIBASys IDs: sample 47647, genome 47648, sequence viba_47649, sequencing info 47650	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_47661	NIG/8/2020	cattle	100.0	0	SAT2	VII	Lib-12	
viba_47645	NIG/2/2020	cattle	100.0	0	SAT2	VII	Lib-12	
viba_47657	NIG/6/2020	cattle	100.0	0	SAT2	VII	Lib-12	
viba_47641	NIG/1/2020	cattle	100.0	0	SAT2	VII	Lib-12	
viba_47653	NIG/4/2020	cattle	100.0	0	SAT2	VII	Lib-12	
viba_45704	LAG/IBJ/01/NIG/2019	bovine	98.6	3	SAT2	VII	Lib-12	
viba_41088	NIG/2/14b	cattle	95.5	0	SAT2	VII	Lib-12	
viba_41084	NIG/1/14b	cattle	95.5	0	SAT2	VII	Lib-12	
viba_36870	CAR/G5819/2015	cattle	95.5	0	SAT2	VII	Lib-12	
viba_41092	NIG/3/14b	cattle	95.5	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	87.7	0	SAT2	VII		
viba_424	SAU/6/2000	bovine	87.2	1	SAT2	VII		
viba_127	KEN/3/57		75.3	0	SAT2	IX		
viba_374	ZAI/1/74		74.8	0	SAT2	VIII		
viba_470	KEN/2/84	bovine	74.5	0	SAT2	IX		
viba_756	UGA/19/98		74.3	0	SAT2	X		
viba_380	RHO/1/48		74.2	0	SAT2	III		
viba_369	UGA/51/75	bovine	74.2	0	SAT2	XII		
viba_724	ETH/2/91	bovine	73.8	0	SAT2	XIV		
viba_189	RWA/1/2000		73.6	0	SAT2	VIII		

Virus sample name:	NIG/4/2020
Sender reference:	KGR/4/20
Location of origin:	Kachia grazing reserve
Country of origin:	Nigeria
Date of collection:	11/01/2020
Host species:	cattle
Serotype:	SAT2
Topotype:	VII
Lineage:	Lib-12
Sublineage:	
Sequence length:	642
Ambiguities:	0
Material submitted for sequencing:	BTy1
Harvest date of material:	03/03/2021
Primers:	SAT2-1C445F/SAT-2B208R, FMD-3161F/FMD-4303R
Received for sequencing:	11/03/2021
Created:	23/03/2021
Last updated:	23/03/2021
VIBASys IDs: sample 47651, genome 47652, sequence viba_47653, sequencing info 47654	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_47661	NIG/8/2020	cattle	100.0	0	SAT2	VII	Lib-12	
viba_47645	NIG/2/2020	cattle	100.0	0	SAT2	VII	Lib-12	
viba_47657	NIG/6/2020	cattle	100.0	0	SAT2	VII	Lib-12	
viba_47641	NIG/1/2020	cattle	100.0	0	SAT2	VII	Lib-12	
viba_47649	NIG/3/2020	cattle	100.0	0	SAT2	VII	Lib-12	
viba_45704	LAG/IBJ/01/NIG/2019	bovine	98.6	3	SAT2	VII	Lib-12	
viba_41088	NIG/2/14b	cattle	95.5	0	SAT2	VII	Lib-12	
viba_41084	NIG/1/14b	cattle	95.5	0	SAT2	VII	Lib-12	
viba_36870	CAR/G5819/2015	cattle	95.5	0	SAT2	VII	Lib-12	
viba_41092	NIG/3/14b	cattle	95.5	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	87.7	0	SAT2	VII		
viba_424	SAU/6/2000	bovine	87.2	1	SAT2	VII		
viba_127	KEN/3/57		75.3	0	SAT2	IX		
viba_374	ZAI/1/74		74.8	0	SAT2	VIII		
viba_470	KEN/2/84	bovine	74.5	0	SAT2	IX		
viba_756	UGA/19/98		74.3	0	SAT2	X		
viba_380	RHO/1/48		74.2	0	SAT2	III		
viba_369	UGA/51/75	bovine	74.2	0	SAT2	XII		
viba_724	ETH/2/91	bovine	73.8	0	SAT2	XIV		
viba_189	RWA/1/2000		73.6	0	SAT2	VIII		

Virus sample name:	NIG/6/2020
Sender reference:	KGR/6/20
Location of origin:	Kachia grazing reserve
Country of origin:	Nigeria
Date of collection:	11/01/2020
Host species:	cattle
Serotype:	SAT2
Topotype:	VII
Lineage:	Lib-12
Sublineage:	
Sequence length:	642
Ambiguities:	0
Material submitted for sequencing:	BTy1
Harvest date of material:	02/03/2021
Primers:	SAT2-1C445F/SAT-2B208R, FMD-3161F/FMD-4303R
Received for sequencing:	11/03/2021
Created:	23/03/2021
Last updated:	23/03/2021
VIBASys IDs: sample 47655, genome 47656, sequence viba_47657, sequencing info 47658	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_47661	NIG/8/2020	cattle	100.0	0	SAT2	VII	Lib-12	
viba_47645	NIG/2/2020	cattle	100.0	0	SAT2	VII	Lib-12	
viba_47641	NIG/1/2020	cattle	100.0	0	SAT2	VII	Lib-12	
viba_47653	NIG/4/2020	cattle	100.0	0	SAT2	VII	Lib-12	
viba_47649	NIG/3/2020	cattle	100.0	0	SAT2	VII	Lib-12	
viba_45704	LAG/IBJ/01/NIG/2019	bovine	98.6	3	SAT2	VII	Lib-12	
viba_41088	NIG/2/14b	cattle	95.5	0	SAT2	VII	Lib-12	
viba_41084	NIG/1/14b	cattle	95.5	0	SAT2	VII	Lib-12	
viba_36870	CAR/G5819/2015	cattle	95.5	0	SAT2	VII	Lib-12	
viba_41092	NIG/3/14b	cattle	95.5	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	87.7	0	SAT2	VII		
viba_424	SAU/6/2000	bovine	87.2	1	SAT2	VII		
viba_127	KEN/3/57		75.3	0	SAT2	IX		
viba_374	ZAI/1/74		74.8	0	SAT2	VIII		
viba_470	KEN/2/84	bovine	74.5	0	SAT2	IX		
viba_756	UGA/19/98		74.3	0	SAT2	X		
viba_380	RHO/1/48		74.2	0	SAT2	III		
viba_369	UGA/51/75	bovine	74.2	0	SAT2	XII		
viba_724	ETH/2/91	bovine	73.8	0	SAT2	XIV		
viba_189	RWA/1/2000		73.6	0	SAT2	VIII		

Virus sample name:	NIG/8/2020
Sender reference:	KGR/8/20
Location of origin:	Kachia grazing reserve
Country of origin:	Nigeria
Date of collection:	11/01/2020
Host species:	cattle
Serotype:	SAT2
Topotype:	VII
Lineage:	Lib-12
Sublineage:	
Sequence length:	642
Ambiguities:	0
Material submitted for sequencing:	BTy1
Harvest date of material:	02/03/2021
Primers:	SAT2-1C445F/SAT-2B208R, FMD-3161F/FMD-4303R
Received for sequencing:	11/03/2021
Created:	23/03/2021
Last updated:	23/03/2021

VIBASys IDs: sample 47659, genome 47660, sequence viba_47661, sequencing info 47662

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_47645	NIG/2/2020	cattle	100.0	0	SAT2	VII	Lib-12	
viba_47657	NIG/6/2020	cattle	100.0	0	SAT2	VII	Lib-12	
viba_47641	NIG/1/2020	cattle	100.0	0	SAT2	VII	Lib-12	
viba_47653	NIG/4/2020	cattle	100.0	0	SAT2	VII	Lib-12	
viba_47649	NIG/3/2020	cattle	100.0	0	SAT2	VII	Lib-12	
viba_45704	LAG/IBJ/01/NIG/2019	bovine	98.6	3	SAT2	VII	Lib-12	
viba_41088	NIG/2/14b	cattle	95.5	0	SAT2	VII	Lib-12	
viba_41084	NIG/1/14b	cattle	95.5	0	SAT2	VII	Lib-12	
viba_36870	CAR/G5819/2015	cattle	95.5	0	SAT2	VII	Lib-12	
viba_41092	NIG/3/14b	cattle	95.5	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	87.7	0	SAT2	VII		
viba_424	SAU/6/2000	bovine	87.2	1	SAT2	VII		
viba_127	KEN/3/57		75.3	0	SAT2	IX		
viba_374	ZAI/1/74		74.8	0	SAT2	VIII		
viba_470	KEN/2/84	bovine	74.5	0	SAT2	IX		
viba_756	UGA/19/98		74.3	0	SAT2	X		
viba_380	RHO/1/48		74.2	0	SAT2	III		
viba_369	UGA/51/75	bovine	74.2	0	SAT2	XII		
viba_724	ETH/2/91	bovine	73.8	0	SAT2	XIV		
viba_189	RWA/1/2000		73.6	0	SAT2	VIII		

Report on FMDV SAT2 in Nigeria in 2020

Batch: WRLFMD/2021/00003



*, not a WRLFMD Reference Number

Analysis Parameters

VP1 subsequence extractor:	vp1_SAT2
Query sequence set:	WRLFMD/2021/00003-Nigeria-SAT2 (6 sequences)
Sequence database set:	allseqs_SAT2 (1041 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
NIG/8/2020	n/a	cattle	WRLFMD	Nigeria	VII/Lib-12
NIG/3/2020	n/a	cattle	WRLFMD	Nigeria	VII/Lib-12
NIG/6/2020	n/a	cattle	WRLFMD	Nigeria	VII/Lib-12
NIG/4/2020	n/a	cattle	WRLFMD	Nigeria	VII/Lib-12
NIG/2/2020	n/a	cattle	WRLFMD	Nigeria	VII/Lib-12
NIG/1/2020	n/a	cattle	WRLFMD	Nigeria	VII/Lib-12
LAG/IBJ/01/NIG/2019*	n/a	bovine	NCFAD/NVRI	Nigeria	VII/Lib-12
GHA/Tul/5/2018*	LC456875	cattle	NIAH-JAPAN	Ghana	VII/Lib-12
GHA/Tul/2/2018*	LC456874	cattle	NIAH-JAPAN	Ghana	VII/Lib-12
CHD/7/2016*	MH748579	cattle	ANSES	Chad	VII/Lib-12
BAU/TR/1/NIG/2018*	n/a	bovine	CFIA/NVRI	Nigeria	VII/Lib-12
PL/KWK/02/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/PKN/01/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
NIG/1/2017/sci*	MT239383	cattle	Sciensano	Nigeria	VII/Lib-12
PL/LANG/02/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
PL/WAS/03/NIG/2017*	n/a	bovine	CFIA/NVRI	Nigeria	VII/Lib-12
NIG/1/14b*	MH894444	cattle	PIADC	Nigeria	VII/Lib-12
NIG/2/14b*	MH894445	cattle	PIADC	Nigeria	VII/Lib-12
NIG/3/14b*	MH894446	cattle	PIADC	Nigeria	VII/Lib-12
CAR/G5819/2015*	MG873224	cattle	PIADC	Cameroon	VII/Lib-12
EGY/Alexandria3/2018*	MK493347	n/a	MEVAC	Egypt	VII/Lib-12
EGY/Alexandria2/2018*	MK493346	n/a	MEVAC	Egypt	VII/Lib-12
EGY/21/2018	n/a	cattle	WRLFMD	Egypt	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/Ismailia4/2018*	MK493344	n/a	MEVAC	Egypt	VII/Lib-12
EGY/19/2018	n/a	cattle	WRLFMD	Egypt	VII/Lib-12
EGY/Sharqia1/2018*	MK493337	n/a	MEVAC	Egypt	VII/Lib-12
EGY/Sharqia2/2018*	MK493338	n/a	MEVAC	Egypt	VII/Lib-12
EGY/Alexandria1/2018*	MK493345	n/a	MEVAC	Egypt	VII/Lib-12
EGY/Ismailia2/2018*	MK493342	n/a	MEVAC	Egypt	VII/Lib-12
EGY/Ismailia3/2018*	MK493343	n/a	MEVAC	Egypt	VII/Lib-12
EGY/Ismailia1/2018*	MK493341	n/a	MEVAC	Egypt	VII/Lib-12

continued on next page

label	accession	host(s)	lab	country	taxonomic information
ETH/11/2018	MN987552	cattle	WRLFMD	Ethiopia	VII/Lib-12
EGY/Sharqia4/2018*	MK493340	n/a	MEVAC	Egypt	VII/Lib-12
EGY/Sharqia3/2018*	MK493339	n/a	MEVAC	Egypt	VII/Lib-12
EGY/7/2018	n/a	cattle	WRLFMD	Egypt	VII/Lib-12
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/6/2019	n/a	bovine	WRLFMD	Eritrea	VII/Lib-12
ERI/5/2019	n/a	bovine	WRLFMD	Eritrea	VII/Lib-12
ERI/1/2019	n/a	bovine	WRLFMD	Eritrea	VII/Lib-12
ERI/2/2019	n/a	bovine	WRLFMD	Eritrea	VII/Lib-12
ERI/15/2019	n/a	bovine	WRLFMD	Eritrea	VII/Lib-12
ERI/17/2019	n/a	bovine	WRLFMD	Eritrea	VII/Lib-12
ERI/12/2019	n/a	bovine	WRLFMD	Eritrea	VII/Lib-12
ERI/19/2019	n/a	bovine	WRLFMD	Eritrea	VII/Lib-12
ERI/13/2019	n/a	bovine	WRLFMD	Eritrea	VII/Lib-12
ERI/20/2019	n/a	bovine	WRLFMD	Eritrea	VII/Lib-12
ERI/18/2019	n/a	bovine	WRLFMD	Eritrea	VII/Lib-12
ERI/16/2019	n/a	bovine	WRLFMD	Eritrea	VII/Lib-12
CAR/1/2012	KX266283	n/a	WRLFMD	Cameroon	VII/Lib-12
CAR/4/2012	KX266286	n/a	WRLFMD	Cameroon	VII/Lib-12
CAR/2/2012	KX266284	n/a	WRLFMD	Cameroon	VII/Lib-12
CAR/3/2012	KX266285	n/a	WRLFMD	Cameroon	VII/Lib-12
CAR/24/2012	KX266290	bovine	WRLFMD	Cameroon	VII/Lib-12
CAR/9/2012	KX266288	n/a	WRLFMD	Cameroon	VII/Lib-12
CAR/10/2012	KX266289	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/34/2013	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
LIB/39/2012	JX570633	cattle	WRLFMD	Libya	VII/Lib-12
LIB/40/2012	JX570634	cattle	WRLFMD	Libya	VII/Lib-12
LIB/41/2012	JX570635	cattle	WRLFMD	Libya	VII/Lib-12
CAR/G3852/2012*	KY581672	cattle	PIADC	Cameroon	VII/Lib-12
CAR/G3853/2012*	KY581671	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
NIG/6/2011	KX258085	bovine	WRLFMD	Nigeria	VII
CAR/8/2005	JX570616	cattle	WRLFMD	Cameroon	VII
CAR/29/2013	n/a	cattle	WRLFMD	Cameroon	VII
CAR/42/2013	n/a	cattle	WRLFMD	Cameroon	VII
CAR/24/2013	n/a	cattle	WRLFMD	Cameroon	VII
SAU/6/2000	AF367135	bovine	OVI	Saudi Arabia	VII
CAR/911/2012*	KU720584	cattle	PIADC	Cameroon	VII
CAR/910/2012*	KU720583	cattle	PIADC	Cameroon	VII
CAR/909/2012*	KU720582	cattle	PIADC	Cameroon	VII
SUD/1/2007	GU566071	cattle	WRLFMD	Sudan	VII
ETH/2/91	AY343938	bovine	OVI	Ethiopia	XIV
KEN/3/57	AJ251473	n/a	WRLFMD	Kenya	IX
KEN/2/84	AY343941	bovine	OVI	Kenya	IX
UGA/19/98	AY343969	n/a	OVI	Uganda	X
UGA/51/75	AY343963	bovine	OVI	Uganda	XII
ZAI/1/74	DQ009737	n/a	OVI	Zaire	VIII
RWA/1/2000*	AF367134	n/a	OVI	Rwanda	VIII
RHO/1/48	AY593847	n/a	PIADC	Rhodesia	III

*, not a WRLFMD Reference Number

n/a, not available