

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

Genotyping Report

FMDV serotype: SAT2
Country: Algeria
Year: 2023
Batch: WRLFMD/2024/000002
No. of sequences: 6
Report date: 25th January 2024
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:	ALG/1/2023
Sender reference:	SAT2/V/ALG/23z015380/2023/240109i
Location of origin:	Setif
Country of origin:	Algeria
Date of collection:	03/12/2023
Host species:	cattle
Serotype:	SAT2
Topotype:	V
Lineage:	
Sublineage:	
Sequence length:	642
Ambiguities:	0
Material submitted for sequencing:	WRL-LFBK1
Harvest date of material:	19/01/2024
Primers:	SAT2-1C445F & SAT2-P1-1223F/SAT-2B208R; FMD-3161F/FMD-4303R
Received for sequencing:	24/01/2024
Created:	25/01/2024
Last updated:	25/01/2024
VIBASys IDs: sample 54901, genome 54902, sequence viba_54903, sequencing info 54904	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_54847	ALG/23Z015382/2023	bovine	100.0	0	SAT2	V		
viba_54851	ALG/23Z015384/2023	bovine	100.0	0	SAT2	V		
viba_54911	ALG/3/2023	cattle	100.0	0	SAT2	V		
viba_54907	ALG/2/2023	cattle	100.0	0	SAT2	V		
viba_54839	ALG/23Z015380/2023	bovine	100.0	0	SAT2	V		
viba_54915	ALG/4/2023	cattle	100.0	0	SAT2	V		
viba_54843	ALG/23Z015381/2023	bovine	100.0	0	SAT2	V		
viba_54923	ALG/6/2023	cattle	99.8	0	SAT2	V		
viba_54855	ALG/23Z0008/2023	bovine	99.8	0	SAT2	V		
viba_54919	ALG/5/2023	cattle	99.8	0	SAT2	V		

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_728	GHA/2/90	bovine	87.1	0	SAT2	V		
viba_500	NIG/2/75	bovine	83.3	0	SAT2	V		
viba_567	ZIM/7/83	bovine	75.5	0	SAT2	II		
viba_451	BOT/P3/98 VUM-29	African buffalo	75.3	1	SAT2	III		
viba_546	ZIM/5/81	bovine	74.8	0	SAT2	II		
viba_724	ETH/2/91	cattle	74.3	0	SAT2	XIV		
viba_369	UGA/51/75	bovine	74.2	0	SAT2	XII		
viba_127	KEN/3/57		74.0	0	SAT2	IX		
viba_529	GAM/8/79	bovine	73.9	0	SAT2	VI		
viba_470	KEN/2/84	bovine	73.8	0	SAT2	IX		

Virus sample name:	ALG/2/2023
Sender reference:	SAT2/V/ALG/23z015381/2023/240109i
Location of origin:	Setif
Country of origin:	Algeria
Date of collection:	03/12/2023
Host species:	cattle
Serotype:	SAT2
Topotype:	V
Lineage:	
Sublineage:	
Sequence length:	642
Ambiguities:	0
Material submitted for sequencing:	WRL-LFBK1
Harvest date of material:	19/01/2024
Primers:	SAT2-1C445F & SAT2-P1-1223F/SAT-2B208R; FMD-3161F/FMD-4303R
Received for sequencing:	24/01/2024
Created:	25/01/2024
Last updated:	25/01/2024
VIBASys IDs: sample 54905, genome 54906, sequence viba_54907, sequencing info 54908	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_54847	ALG/23Z015382/2023	bovine	100.0	0	SAT2	V		
viba_54851	ALG/23Z015384/2023	bovine	100.0	0	SAT2	V		
viba_54911	ALG/3/2023	cattle	100.0	0	SAT2	V		
viba_54839	ALG/23Z015380/2023	bovine	100.0	0	SAT2	V		
viba_54903	ALG/1/2023	cattle	100.0	0	SAT2	V		
viba_54915	ALG/4/2023	cattle	100.0	0	SAT2	V		
viba_54843	ALG/23Z015381/2023	bovine	100.0	0	SAT2	V		
viba_54923	ALG/6/2023	cattle	99.8	0	SAT2	V		
viba_54855	ALG/23Z0008/2023	bovine	99.8	0	SAT2	V		
viba_54919	ALG/5/2023	cattle	99.8	0	SAT2	V		

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_728	GHA/2/90	bovine	87.1	0	SAT2	V		
viba_500	NIG/2/75	bovine	83.3	0	SAT2	V		
viba_567	ZIM/7/83	bovine	75.5	0	SAT2	II		
viba_451	BOT/P3/98 VUM-29	African buffalo	75.3	1	SAT2	III		
viba_546	ZIM/5/81	bovine	74.8	0	SAT2	II		
viba_724	ETH/2/91	cattle	74.3	0	SAT2	XIV		
viba_369	UGA/51/75	bovine	74.2	0	SAT2	XII		
viba_127	KEN/3/57		74.0	0	SAT2	IX		
viba_529	GAM/8/79	bovine	73.9	0	SAT2	VI		
viba_470	KEN/2/84	bovine	73.8	0	SAT2	IX		

Virus sample name:	ALG/3/2023
Sender reference:	SAT2/V/ALG/23z015388/2023/240109i
Location of origin:	Setif
Country of origin:	Algeria
Date of collection:	03/12/2023
Host species:	cattle
Serotype:	SAT2
Topotype:	V
Lineage:	
Sublineage:	
Sequence length:	642
Ambiguities:	0
Material submitted for sequencing:	WRL-LFBK1
Harvest date of material:	19/01/2024
Primers:	SAT2-1C445F & SAT2-P1-1223F/SAT-2B208R; FMD-3161F/FMD-4303R
Received for sequencing:	24/01/2024
Created:	25/01/2024
Last updated:	25/01/2024
VIBASys IDs: sample 54909, genome 54910, sequence viba_54911, sequencing info 54912	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_54847	ALG/23Z015382/2023	bovine	100.0	0	SAT2	V		
viba_54851	ALG/23Z015384/2023	bovine	100.0	0	SAT2	V		
viba_54907	ALG/2/2023	cattle	100.0	0	SAT2	V		
viba_54839	ALG/23Z015380/2023	bovine	100.0	0	SAT2	V		
viba_54903	ALG/1/2023	cattle	100.0	0	SAT2	V		
viba_54915	ALG/4/2023	cattle	100.0	0	SAT2	V		
viba_54843	ALG/23Z015381/2023	bovine	100.0	0	SAT2	V		
viba_54923	ALG/6/2023	cattle	99.8	0	SAT2	V		
viba_54855	ALG/23Z0008/2023	bovine	99.8	0	SAT2	V		
viba_54919	ALG/5/2023	cattle	99.8	0	SAT2	V		

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_728	GHA/2/90	bovine	87.1	0	SAT2	V		
viba_500	NIG/2/75	bovine	83.3	0	SAT2	V		
viba_567	ZIM/7/83	bovine	75.5	0	SAT2	II		
viba_451	BOT/P3/98 VUM-29	African buffalo	75.3	1	SAT2	III		
viba_546	ZIM/5/81	bovine	74.8	0	SAT2	II		
viba_724	ETH/2/91	cattle	74.3	0	SAT2	XIV		
viba_369	UGA/51/75	bovine	74.2	0	SAT2	XII		
viba_127	KEN/3/57		74.0	0	SAT2	IX		
viba_529	GAM/8/79	bovine	73.9	0	SAT2	VI		
viba_470	KEN/2/84	bovine	73.8	0	SAT2	IX		

Virus sample name:	ALG/4/2023
Sender reference:	SAT2/V/ALG/23z015389/2023/240109i
Location of origin:	Setif
Country of origin:	Algeria
Date of collection:	03/12/2023
Host species:	cattle
Serotype:	SAT2
Topotype:	V
Lineage:	
Sublineage:	
Sequence length:	642
Ambiguities:	0
Material submitted for sequencing:	WRL-LFBK1
Harvest date of material:	19/01/2024
Primers:	SAT2-1C445F & SAT2-P1-1223F/SAT-2B208R; FMD-3161F/FMD-4303R
Received for sequencing:	24/01/2024
Created:	25/01/2024
Last updated:	25/01/2024
VIBASys IDs: sample 54913, genome 54914, sequence viba_54915, sequencing info 54916	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_54847	ALG/23Z015382/2023	bovine	100.0	0	SAT2	V		
viba_54851	ALG/23Z015384/2023	bovine	100.0	0	SAT2	V		
viba_54911	ALG/3/2023	cattle	100.0	0	SAT2	V		
viba_54907	ALG/2/2023	cattle	100.0	0	SAT2	V		
viba_54839	ALG/23Z015380/2023	bovine	100.0	0	SAT2	V		
viba_54903	ALG/1/2023	cattle	100.0	0	SAT2	V		
viba_54843	ALG/23Z015381/2023	bovine	100.0	0	SAT2	V		
viba_54923	ALG/6/2023	cattle	99.8	0	SAT2	V		
viba_54855	ALG/23Z0008/2023	bovine	99.8	0	SAT2	V		
viba_54919	ALG/5/2023	cattle	99.8	0	SAT2	V		

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_728	GHA/2/90	bovine	87.1	0	SAT2	V		
viba_500	NIG/2/75	bovine	83.3	0	SAT2	V		
viba_567	ZIM/7/83	bovine	75.5	0	SAT2	II		
viba_451	BOT/P3/98 VUM-29	African buffalo	75.3	1	SAT2	III		
viba_546	ZIM/5/81	bovine	74.8	0	SAT2	II		
viba_724	ETH/2/91	cattle	74.3	0	SAT2	XIV		
viba_369	UGA/51/75	bovine	74.2	0	SAT2	XII		
viba_127	KEN/3/57		74.0	0	SAT2	IX		
viba_529	GAM/8/79	bovine	73.9	0	SAT2	VI		
viba_470	KEN/2/84	bovine	73.8	0	SAT2	IX		

Virus sample name:	ALG/5/2023
Sender reference:	SAT2/V/ALG/24z007/2023/240109i
Location of origin:	Tizi Ouzou
Country of origin:	Algeria
Date of collection:	12/12/2023
Host species:	cattle
Serotype:	SAT2
Topotype:	V
Lineage:	
Sublineage:	
Sequence length:	642
Ambiguities:	0
Material submitted for sequencing:	WRL-LFBK1
Harvest date of material:	19/01/2024
Primers:	SAT2-1C445F & SAT2-P1-1223F/SAT-2B208R; FMD-3161F/FMD-4303R
Received for sequencing:	24/01/2024
Created:	25/01/2024
Last updated:	25/01/2024
VIBASys IDs: sample 54917, genome 54918, sequence viba_54919, sequencing info 54920	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_54923	ALG/6/2023	cattle	100.0	0	SAT2	V		
viba_54855	ALG/23Z0008/2023	bovine	100.0	0	SAT2	V		
viba_54847	ALG/23Z015382/2023	bovine	99.8	0	SAT2	V		
viba_54851	ALG/23Z015384/2023	bovine	99.8	0	SAT2	V		
viba_54911	ALG/3/2023	cattle	99.8	0	SAT2	V		
viba_54907	ALG/2/2023	cattle	99.8	0	SAT2	V		
viba_54839	ALG/23Z015380/2023	bovine	99.8	0	SAT2	V		
viba_54903	ALG/1/2023	cattle	99.8	0	SAT2	V		
viba_54915	ALG/4/2023	cattle	99.8	0	SAT2	V		
viba_54843	ALG/23Z015381/2023	bovine	99.8	0	SAT2	V		

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_728	GHA/2/90	bovine	87.1	0	SAT2	V		
viba_500	NIG/2/75	bovine	83.3	0	SAT2	V		
viba_567	ZIM/7/83	bovine	75.7	0	SAT2	II		
viba_451	BOT/P3/98 VUM-29	African buffalo	75.3	1	SAT2	III		
viba_546	ZIM/5/81	bovine	74.8	0	SAT2	II		
viba_369	UGA/51/75	bovine	74.2	0	SAT2	XII		
viba_724	ETH/2/91	cattle	74.1	0	SAT2	XIV		
viba_127	KEN/3/57		74.0	0	SAT2	IX		
viba_529	GAM/8/79	bovine	73.9	0	SAT2	VI		
viba_470	KEN/2/84	bovine	73.8	0	SAT2	IX		

Virus sample name:	ALG/6/2023
Sender reference:	SAT2/V/ALG/24z008/2023/240109i
Location of origin:	Tizi Ouzou
Country of origin:	Algeria
Date of collection:	12/12/2023
Host species:	cattle
Serotype:	SAT2
Topotype:	V
Lineage:	
Sublineage:	
Sequence length:	642
Ambiguities:	0
Material submitted for sequencing:	WRL-LFBK1
Harvest date of material:	19/01/2024
Primers:	SAT2-1C445F & SAT2-P1-1223F/SAT-2B208R; FMD-3161F/FMD-4303R
Received for sequencing:	24/01/2024
Created:	25/01/2024
Last updated:	25/01/2024
VIBASys IDs: sample 54921, genome 54922, sequence viba_54923, sequencing info 54924	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_54855	ALG/23Z0008/2023	bovine	100.0	0	SAT2	V		
viba_54919	ALG/5/2023	cattle	100.0	0	SAT2	V		
viba_54847	ALG/23Z015382/2023	bovine	99.8	0	SAT2	V		
viba_54851	ALG/23Z015384/2023	bovine	99.8	0	SAT2	V		
viba_54911	ALG/3/2023	cattle	99.8	0	SAT2	V		
viba_54907	ALG/2/2023	cattle	99.8	0	SAT2	V		
viba_54839	ALG/23Z015380/2023	bovine	99.8	0	SAT2	V		
viba_54903	ALG/1/2023	cattle	99.8	0	SAT2	V		
viba_54915	ALG/4/2023	cattle	99.8	0	SAT2	V		
viba_54843	ALG/23Z015381/2023	bovine	99.8	0	SAT2	V		

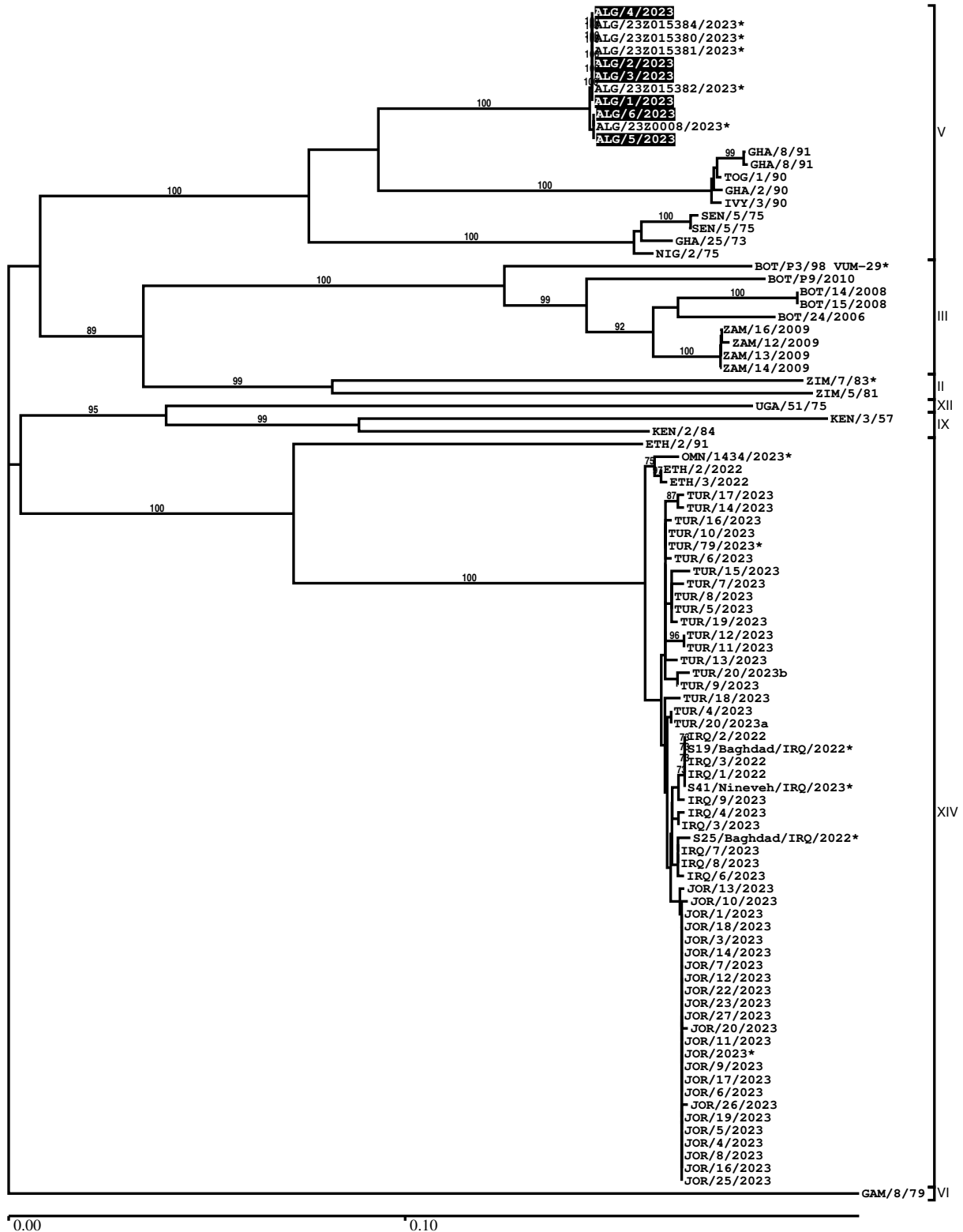
Most Closely Related Prototype Sequences

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

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_728	GHA/2/90	bovine	87.1	0	SAT2	V		
viba_500	NIG/2/75	bovine	83.3	0	SAT2	V		
viba_567	ZIM/7/83	bovine	75.7	0	SAT2	II		
viba_451	BOT/P3/98 VUM-29	African buffalo	75.3	1	SAT2	III		
viba_546	ZIM/5/81	bovine	74.8	0	SAT2	II		
viba_369	UGA/51/75	bovine	74.2	0	SAT2	XII		
viba_724	ETH/2/91	cattle	74.1	0	SAT2	XIV		
viba_127	KEN/3/57		74.0	0	SAT2	IX		
viba_529	GAM/8/79	bovine	73.9	0	SAT2	VI		
viba_470	KEN/2/84	bovine	73.8	0	SAT2	IX		

Report on FMDV SAT2 in Algeria in 2023

Batch: WRLFMD/2024/000002



*, not a WRLFMD Reference Number

Analysis Parameters

VP1 subsequence extractor:	vp1_SAT2
Query sequence set:	WRLFMD/2024/000002-Algeria-SAT2 (6 sequences)
Sequence database set:	allseqs_SAT2 (1197 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:	643
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
ALG/4/2023	n/a	cattle	WRLFMD	Algeria	V
ALG/23Z015384/2023*	n/a	bovine	ANSES	Algeria	V
ALG/23Z015380/2023*	n/a	bovine	ANSES	Algeria	V
ALG/23Z015381/2023*	n/a	bovine	ANSES	Algeria	V
ALG/2/2023	n/a	cattle	WRLFMD	Algeria	V
ALG/3/2023	n/a	cattle	WRLFMD	Algeria	V
ALG/23Z015382/2023*	n/a	bovine	ANSES	Algeria	V
ALG/1/2023	n/a	cattle	WRLFMD	Algeria	V
ALG/6/2023	n/a	cattle	WRLFMD	Algeria	V
ALG/23Z0008/2023*	n/a	bovine	ANSES	Algeria	V
ALG/5/2023	n/a	cattle	WRLFMD	Algeria	V
GHA/8/91	AF479416	n/a	OVI	Ghana	V
GHA/8/91	DQ009732	n/a	OVI	Ghana	V
TOG/1/90	KF112970	cattle	WRLFMD	Togo	V
GHA/2/90	AF479415	bovine	OVI	Ghana	V
IVY/3/90	KF112957	cattle	WRLFMD	Ivory Coast	V
SEN/5/75	DQ009738	n/a	OVI	Senegal	V
SEN/5/75	AF367140	n/a	OVI	Senegal	V
GHA/25/73	n/a	n/a	WRLFMD	Ghana	V
NIG/2/75	AF367139	bovine	OVI	Nigeria	V
BOT/P3/98 VUM-29*	AF367124	African buffalo	OVI	Botswana	III
BOT/P9/2010	n/a	African buffalo	WRLFMD	Botswana	III
BOT/14/2008	n/a	cattle	WRLFMD	Botswana	III
BOT/15/2008	n/a	cattle	WRLFMD	Botswana	III
BOT/24/2006	n/a	African buffalo	WRLFMD	Botswana	III
ZAM/16/2009	n/a	cattle	WRLFMD	Zambia	III
ZAM/12/2009	n/a	cattle	WRLFMD	Zambia	III
ZAM/13/2009	n/a	cattle	WRLFMD	Zambia	III
ZAM/14/2009	n/a	cattle	WRLFMD	Zambia	III
ZIM/7/83*	AF136607	bovine	OVI	Zimbabwe	II
ZIM/5/81	EF134951	bovine	WRLFMD	Zimbabwe	II
UGA/51/75	AY343963	bovine	OVI	Uganda	XII
KEN/3/57	AJ251473	n/a	WRLFMD	Kenya	IX
KEN/2/84	AY343941	bovine	OVI	Kenya	IX
ETH/2/91	AY343938	cattle	OVI	Ethiopia	XIV
OMN/1434/2023*	n/a	n/a	ANSES	Oman	XIV

continued on next page

label	accession	host(s)	lab	country	taxonomic information
ETH/2/2022	n/a	bovine	WRLFMD	Ethiopia	XIV
ETH/3/2022	n/a	bovine	WRLFMD	Ethiopia	XIV
TUR/17/2023	n/a	cattle	WRLFMD	Turkiye	XIV
TUR/14/2023	n/a	cattle	WRLFMD	Turkiye	XIV
TUR/16/2023	n/a	cattle	WRLFMD	Turkiye	XIV
TUR/10/2023	n/a	cattle	WRLFMD	Turkiye	XIV
TUR/79/2023*	n/a	cattle	FMDI	Turkiye	XIV
TUR/6/2023	n/a	cattle	WRLFMD	Turkiye	XIV
TUR/15/2023	n/a	cattle	WRLFMD	Turkiye	XIV
TUR/7/2023	n/a	cattle	WRLFMD	Turkiye	XIV
TUR/8/2023	n/a	cattle	WRLFMD	Turkiye	XIV
TUR/5/2023	n/a	cattle	WRLFMD	Turkiye	XIV
TUR/19/2023	n/a	cattle	WRLFMD	Turkiye	XIV
TUR/12/2023	n/a	cattle	WRLFMD	Turkiye	XIV
TUR/11/2023	n/a	cattle	WRLFMD	Turkiye	XIV
TUR/13/2023	n/a	cattle	WRLFMD	Turkiye	XIV
TUR/20/2023b	n/a	cattle	WRLFMD	Turkiye	XIV
TUR/9/2023	n/a	cattle	WRLFMD	Turkiye	XIV
TUR/18/2023	n/a	cattle	WRLFMD	Turkiye	XIV
TUR/4/2023	n/a	cattle	WRLFMD	Turkiye	XIV
TUR/20/2023a	n/a	cattle	WRLFMD	Turkiye	XIV
IRQ/2/2022	n/a	water buffalo	WRLFMD	Iraq	XIV
S19/Baghdad/IRQ/2022*	n/a	water buffalo	FMDI	Iraq	XIV
IRQ/3/2022	n/a	water buffalo	WRLFMD	Iraq	XIV
IRQ/1/2022	n/a	water buffalo	WRLFMD	Iraq	XIV
S41/Nineveh/IRQ/2023*	n/a	cattle	FMDI	Iraq	XIV
IRQ/9/2023	n/a	water buffalo	WRLFMD	Iraq	XIV
IRQ/4/2023	n/a	cattle	WRLFMD	Iraq	XIV
IRQ/3/2023	n/a	cattle	WRLFMD	Iraq	XIV
S25/Baghdad/IRQ/2022*	n/a	water buffalo	FMDI	Iraq	XIV
IRQ/7/2023	n/a	cattle	WRLFMD	Iraq	XIV
IRQ/8/2023	n/a	cattle	WRLFMD	Iraq	XIV
IRQ/6/2023	n/a	cattle	WRLFMD	Iraq	XIV
JOR/13/2023	n/a	cattle	WRLFMD	Jordan	XIV
JOR/10/2023	n/a	cattle	WRLFMD	Jordan	XIV
JOR/1/2023	n/a	cattle	WRLFMD	Jordan	XIV
JOR/18/2023	n/a	cattle	WRLFMD	Jordan	XIV
JOR/3/2023	n/a	cattle	WRLFMD	Jordan	XIV
JOR/14/2023	n/a	cattle	WRLFMD	Jordan	XIV
JOR/7/2023	n/a	cattle	WRLFMD	Jordan	XIV
JOR/12/2023	n/a	cattle	WRLFMD	Jordan	XIV
JOR/22/2023	n/a	cattle	WRLFMD	Jordan	XIV
JOR/23/2023	n/a	cattle	WRLFMD	Jordan	XIV
JOR/27/2023	n/a	cattle	WRLFMD	Jordan	XIV
JOR/20/2023	n/a	cattle	WRLFMD	Jordan	XIV
JOR/11/2023	n/a	cattle	WRLFMD	Jordan	XIV
JOR/2023*	n/a	cattle	JUST	Jordan	XIV
JOR/9/2023	n/a	cattle	WRLFMD	Jordan	XIV
JOR/17/2023	n/a	cattle	WRLFMD	Jordan	XIV
JOR/6/2023	n/a	cattle	WRLFMD	Jordan	XIV
JOR/26/2023	n/a	cattle	WRLFMD	Jordan	XIV
JOR/19/2023	n/a	cattle	WRLFMD	Jordan	XIV
JOR/5/2023	n/a	cattle	WRLFMD	Jordan	XIV
JOR/4/2023	n/a	cattle	WRLFMD	Jordan	XIV
JOR/8/2023	n/a	cattle	WRLFMD	Jordan	XIV
JOR/16/2023	n/a	cattle	WRLFMD	Jordan	XIV
JOR/25/2023	n/a	cattle	WRLFMD	Jordan	XIV
GAM/8/79	AF479410	bovine	OVI	Gambia	VI

*, not a WRLFMD Reference Number

n/a, not available