



INSTITUTE FOR ANIMAL HEALTH
Director: Professor Martin W. Shirley, PhD
PIRBRIGHT LABORATORY
Ash Road,
Pirbright,
Surrey,
GU24 0NF
Intn Tel: 00 44 1483 232441
Tel: 01483 232441 Fax: 01483 232621

FMD Sequencing Report

Lab Reference WRL Batch Number: WRLFMD/2010/00026
Sender Details: 

Date Received: 10th June 2010
Country of Origin: Kenya
Date Reported: 4th August 2010

Dear Dr. Sabenzia Nabalayo Wekesa,

Re.: SAT1 results

Sequencing work has now been completed in respect of the samples you submitted and the details are as attached. Please note that all of our phylogenetic trees can be accessed via the internet at: <http://www.wrlfmd.org/>

Results Approved By: 

Official Stamp: 

Date: 4/8/10

To help us improve the quality of our service, please send any suggestions or requests to the Reference Laboratory by fax (+44 (0) 1483 232621 or email: elizabeth.wilson@bbsrc.ac.uk)

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

Genotyping Report

Report Date for this Batch: 4 August 2010

FMDV type SAT 1

Country: Kenya

Period: 2010

No. of isolates: 36

BATCH: WRLFMD/2010/00026



The contents of this report are copyright and should not be reproduced without permission

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

IAH-P-EP-MEG-FOR-005-3

Page 1 of 1

Serotype: SAT1	Report date: 04/08/2010
WRLFMD Ref No: KEN/88/2010	Reported by: N.J. Knowles
Batch No: WRLFMD/2010/00026	Checked by: V. Mioulet
Sender Ref: K59/10	
Location: Buuri, Kenya	Topotype: I (NWZ)
Date collected: 26/03/2010	Genotype/strain: Unnamed
Date received by WRLFMD: 10/06/2010	Sequence filename: KEN10-88.SEQ
Date received for sequencing: 29/07/2010	Date sequence last updated: 04/08/2010
Species: Cattle	No. of Nt determined: 663
Material used: BTy1	No. of ambiguities: 0
Region sequenced: VP1	Gene length: 663
RT-PCR primers: SAT1-1C559F/SAT-2B208R	Total no. of comparisons: 365
SAT1U-OS/SAT-2B208R	Min. no. of nt for comparison: 600
	Total turn-around time: 55 days
	Sequencing time: 6 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/KEN/94/2010	KEN10-94	663	662	0	99.85	0.15	I (NWZ)	unnamed
2	SAT1/KEN/1/2010	KEN10-01	663	661	0	99.70	0.30	I (NWZ)	Unnamed
3	SAT1/KEN/4/2010	KEN10-04	663	661	0	99.70	0.30	I (NWZ)	Unnamed
4	SAT1/KEN/5/2010	KEN10-05	663	661	0	99.70	0.30	I (NWZ)	Unnamed
5	SAT1/KEN/6/2010	KEN10-06	663	661	0	99.70	0.30	I (NWZ)	Unnamed
6	SAT1/KEN/8/2010	KEN10-08	663	661	0	99.70	0.30	I (NWZ)	Unnamed
7	SAT1/KEN/10/2010	KEN10-10	663	660	0	99.55	0.45	I (NWZ)	Unnamed
8	SAT1/KEN/111/2010	KEN10111	663	660	0	99.55	0.45	I (NWZ)	unnamed
9	SAT1/KEN/101/2010	KEN10101	663	659	0	99.40	0.60	I (NWZ)	unnamed
10	SAT1/KEN/106/2010	KEN10106	663	659	0	99.40	0.60	I (NWZ)	unnamed
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/T155/71	TAN71155	663	600	0	90.50	9.50	I (NWZ)	unnamed
2	SAT1/ZIM/23/2003	ZIM03-23	663	532	0	80.24	19.76	I (NWZ)	unnamed
3	SAT1/SUD/3/76 (AY441996)	SUD76S03	663	514	0	77.53	22.47	VI	unnamed
4	SAT1/RV/11/37 (AY593839)	RHO37-11	663	512	0	77.22	22.78	II (SEZ)	unnamed
5	SAT1/RHO/5/66 (AY593846)	RHO66-05	663	509	0	76.77	23.23	II (SEZ)	unnamed
6	SAT1/UGA BUFF/21/70 buffalo	UGA70-21	663	501	0	75.57	24.43	IV (EA-1)	unnamed
7	SAT1/BOT/1/68 (AY593845)	BOT68-C1	663	490	0	73.91	26.09	III (WZ)	unnamed
8	SAT1/BEC/1/48 (AY593838)	BEC48-01	663	483	0	72.85	27.15	III (WZ)	unnamed
9	SAT1/UGA/13/74 (AY442010)	UGA74S13	663	470	0	70.89	29.11	VII (EA-2)	unnamed
10	SAT1/UGA/1/97 (AY442012)	UGA97S01	663	469	0	70.74	29.26	VIII (EA-3)	unnamed

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v3.1

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

IAH-P-EP-MEG-FOR-005-3

Page 1 of 1

Serotype: SAT1	Report date: 04/08/2010
WRLFMD Ref No: KEN/90/2010	Reported by: N.J. Knowles
Batch No: WRLFMD/2010/00026	Checked by: V. Mioulet
Sender Ref: K62/10	
Location: Mwala, Kenya	Topotype: I (NWZ)
Date collected: 26/03/2010	Genotype/strain: Unnamed
Date received by WRLFMD: 10/06/2010	Sequence filename: KEN10-90.SEQ
Date received for sequencing: 29/07/2010	Date sequence last updated: 04/08/2010
Species: Cattle	No. of Nt determined: 663
Material used: BTy1	No. of ambiguities: 0
Region sequenced: VP1	Gene length: 663
RT-PCR primers: SAT1-1C559F/SAT-2B208R	Total no. of comparisons: 365
SAT1U-OS/SAT-2B208R	Min. no. of nt for comparison: 600
	Total turn-around time: 55 days
	Sequencing time: 6 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/KEN/106/2010	KEN10106	663	662	0	99.85	0.15	I (NWZ)	unnamed
2	SAT1/KEN/104/2010	KEN10104	663	661	0	99.70	0.30	I (NWZ)	unnamed
3	SAT1/KEN/77/2010	KEN10-77	663	661	0	99.70	0.30	I (NWZ)	Unnamed
4	SAT1/KEN/1/2010	KEN10-01	663	660	0	99.55	0.45	I (NWZ)	Unnamed
5	SAT1/KEN/105/2010	KEN10105	663	660	0	99.55	0.45	I (NWZ)	unnamed
6	SAT1/KEN/131/2010	KEN10131	663	660	0	99.55	0.45	I (NWZ)	unnamed
7	SAT1/KEN/4/2010	KEN10-04	663	660	0	99.55	0.45	I (NWZ)	Unnamed
8	SAT1/KEN/5/2010	KEN10-05	663	660	0	99.55	0.45	I (NWZ)	Unnamed
9	SAT1/KEN/6/2010	KEN10-06	663	660	0	99.55	0.45	I (NWZ)	Unnamed
10	SAT1/KEN/8/2010	KEN10-08	663	660	0	99.55	0.45	I (NWZ)	Unnamed
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/T155/71	TAN71155	663	598	0	90.20	9.80	I (NWZ)	unnamed
2	SAT1/ZIM/23/2003	ZIM03-23	663	532	0	80.24	19.76	I (NWZ)	unnamed
3	SAT1/RV/11/37 (AY593839)	RHO37-11	663	513	0	77.38	22.62	II (SEZ)	unnamed
4	SAT1/RHO/5/66 (AY593846)	RHO66-05	663	512	0	77.22	22.78	II (SEZ)	unnamed
5	SAT1/SUD/3/76 (AY441996)	SUD76S03	663	512	0	77.22	22.78	VI	unnamed
6	SAT1/UGA BUFF/21/70 buffalo	UGA70-21	663	500	0	75.41	24.59	IV (EA-1)	unnamed
7	SAT1/BOT/1/68 (AY593845)	BOT68-C1	663	492	0	74.21	25.79	III (WZ)	unnamed
8	SAT1/BEC/1/48 (AY593838)	BEC48-01	663	485	0	73.15	26.85	III (WZ)	unnamed
9	SAT1/UGA/1/97 (AY442012)	UGA97S01	663	471	0	71.04	28.96	VIII (EA-3)	unnamed
10	SAT1/UGA/13/74 (AY442010)	UGA74S13	663	468	0	70.59	29.41	VII (EA-2)	unnamed

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v3.1

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

IAH-P-EP-MEG-FOR-005-3

Page 1 of 1

Serotype: SAT1	Report date: 04/08/2010
WRLFMD Ref No: KEN/93/2010	Reported by: N.J. Knowles
Batch No: WRLFMD/2010/00026	Checked by: V. Mioulet
Sender Ref: K65/10	
Location: Embu East, Kenya	Topotype: I (NWZ)
Date collected: 09/04/2010	Genotype/strain: Unnamed
Date received by WRLFMD: 10/06/2010	Sequence filename: KEN10-93.SEQ
Date received for sequencing: 29/07/2010	Date sequence last updated: 04/08/2010
Species: Cattle	No. of Nt determined: 663
Material used: BTy1	No. of ambiguities: 0
Region sequenced: VP1	Gene length: 663
RT-PCR primers: SAT1-1C559F/SAT-2B208R	Total no. of comparisons: 365
SAT1U-OS/SAT-2B208R	Min. no. of nt for comparison: 600
	Total turn-around time: 55 days
	Sequencing time: 6 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/KEN/122/2010	KEN10122	663	660	0	99.55	0.45	I (NWZ)	unnamed
2	SAT1/KEN/1/2010	KEN10-01	663	659	0	99.40	0.60	I (NWZ)	Unnamed
3	SAT1/KEN/4/2010	KEN10-04	663	659	0	99.40	0.60	I (NWZ)	Unnamed
4	SAT1/KEN/5/2010	KEN10-05	663	659	0	99.40	0.60	I (NWZ)	Unnamed
5	SAT1/KEN/6/2010	KEN10-06	663	659	0	99.40	0.60	I (NWZ)	Unnamed
6	SAT1/KEN/8/2010	KEN10-08	663	659	0	99.40	0.60	I (NWZ)	Unnamed
7	SAT1/KEN/10/2010	KEN10-10	663	658	0	99.25	0.75	I (NWZ)	Unnamed
8	SAT1/KEN/101/2010	KEN10101	663	657	0	99.10	0.90	I (NWZ)	unnamed
9	SAT1/KEN/102/2010	KEN10102	663	657	0	99.10	0.90	I (NWZ)	unnamed
10	SAT1/KEN/106/2010	KEN10106	663	657	0	99.10	0.90	I (NWZ)	unnamed
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/T155/71	TAN71155	663	601	0	90.65	9.35	I (NWZ)	unnamed
2	SAT1/ZIM/23/2003	ZIM03-23	663	531	0	80.09	19.91	I (NWZ)	unnamed
3	SAT1/SUD/3/76 (AY441996)	SUD76S03	663	514	0	77.53	22.47	VI	unnamed
4	SAT1/RV/11/37 (AY593839)	RHO37-11	663	513	0	77.38	22.62	II (SEZ)	unnamed
5	SAT1/RHO/5/66 (AY593846)	RHO66-05	663	510	0	76.92	23.08	II (SEZ)	unnamed
6	SAT1/UGA BUFF/21/70 buffalo	UGA70-21	663	501	0	75.57	24.43	IV (EA-1)	unnamed
7	SAT1/BOT/1/68 (AY593845)	BOT68-C1	663	493	0	74.36	25.64	III (WZ)	unnamed
8	SAT1/BEC/1/48 (AY593838)	BEC48-01	663	487	0	73.45	26.55	III (WZ)	unnamed
9	SAT1/UGA/1/97 (AY442012)	UGA97S01	663	469	0	70.74	29.26	VIII (EA-3)	unnamed
10	SAT1/UGA/13/74 (AY442010)	UGA74S13	663	469	0	70.74	29.26	VII (EA-2)	unnamed

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v3.1

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

IAH-P-EP-MEG-FOR-005-3

Page 1 of 1

Serotype: SAT1	Report date: 04/08/2010
WRLFMD Ref No: KEN/94/2010	Reported by: N.J. Knowles
Batch No: WRLFMD/2010/00026	Checked by: V. Mioulet
Sender Ref: K66/10	
Location: Meru Central, Kenya	Topotype: I (NWZ)
Date collected: 10/04/2010	Genotype/strain: Unnamed
Date received by WRLFMD: 10/06/2010	Sequence filename: KEN10-94.SEQ
Date received for sequencing: 29/07/2010	Date sequence last updated: 04/08/2010
Species: Cattle	No. of Nt determined: 663
Material used: BTy1	No. of ambiguities: 0
Region sequenced: VP1	Gene length: 663
RT-PCR primers: SAT1-1C559F/SAT-2B208R	Total no. of comparisons: 365
SAT1U-OS/SAT-2B208R	Min. no. of nt for comparison: 600
	Total turn-around time: 55 days
	Sequencing time: 6 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/KEN/88/2010	KEN10-88	663	662	0	99.85	0.15	I (NWZ)	unnamed
2	SAT1/KEN/1/2010	KEN10-01	663	660	0	99.55	0.45	I (NWZ)	Unnamed
3	SAT1/KEN/4/2010	KEN10-04	663	660	0	99.55	0.45	I (NWZ)	Unnamed
4	SAT1/KEN/5/2010	KEN10-05	663	660	0	99.55	0.45	I (NWZ)	Unnamed
5	SAT1/KEN/6/2010	KEN10-06	663	660	0	99.55	0.45	I (NWZ)	Unnamed
6	SAT1/KEN/8/2010	KEN10-08	663	660	0	99.55	0.45	I (NWZ)	Unnamed
7	SAT1/KEN/10/2010	KEN10-10	663	659	0	99.40	0.60	I (NWZ)	Unnamed
8	SAT1/KEN/111/2010	KEN10111	663	659	0	99.40	0.60	I (NWZ)	unnamed
9	SAT1/KEN/101/2010	KEN10101	663	658	0	99.25	0.75	I (NWZ)	unnamed
10	SAT1/KEN/106/2010	KEN10106	663	658	0	99.25	0.75	I (NWZ)	unnamed
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/T155/71	TAN71155	663	600	0	90.50	9.50	I (NWZ)	unnamed
2	SAT1/ZIM/23/2003	ZIM03-23	663	532	0	80.24	19.76	I (NWZ)	unnamed
3	SAT1/SUD/3/76 (AY441996)	SUD76S03	663	514	0	77.53	22.47	VI	unnamed
4	SAT1/RV/11/37 (AY593839)	RHO37-11	663	512	0	77.22	22.78	II (SEZ)	unnamed
5	SAT1/RHO/5/66 (AY593846)	RHO66-05	663	509	0	76.77	23.23	II (SEZ)	unnamed
6	SAT1/UGA BUFF/21/70 buffalo	UGA70-21	663	500	0	75.41	24.59	IV (EA-1)	unnamed
7	SAT1/BOT/1/68 (AY593845)	BOT68-C1	663	490	0	73.91	26.09	III (WZ)	unnamed
8	SAT1/BEC/1/48 (AY593838)	BEC48-01	663	483	0	72.85	27.15	III (WZ)	unnamed
9	SAT1/UGA/13/74 (AY442010)	UGA74S13	663	470	0	70.89	29.11	VII (EA-2)	unnamed
10	SAT1/UGA/1/97 (AY442012)	UGA97S01	663	469	0	70.74	29.26	VIII (EA-3)	unnamed

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v3.1

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

IAH-P-EP-MEG-FOR-005-3

Page 1 of 1

Serotype: SAT1 WRLFMD Ref No: KEN/96/2010 Batch No: WRLFMD/2010/00026 Sender Ref: K68/10 Location: Imenti North, Kenya Date collected: 20/04/2010 Date received by WRLFMD: 10/06/2010 Date received for sequencing: 29/07/2010 Species: Cattle Material used: BTy3 Region sequenced: VP1 RT-PCR primers: SAT1-1C559F/SAT-2B208R SAT1U-OS/SAT-2B208R	Report date: 04/08/2010 Reported by: N.J. Knowles Checked by: V. Mioulet Topotype: I (NWZ) Genotype/strain: Unnamed Sequence filename: KEN10-96.SEQ Date sequence last updated: 04/08/2010 No. of Nt determined: 663 No. of ambiguities: 0 Gene length: 663 Total no. of comparisons: 365 Min. no. of nt for comparison: 600 Total turn-around time: 55 days Sequencing time: 6 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/KEN/118/2010	KEN10118	663	661	0	99.70	0.30	I (NWZ)	unnamed
2	SAT1/KEN/119/2010	KEN10119	663	661	0	99.70	0.30	I (NWZ)	unnamed
3	SAT1/KEN/97/2010	KEN10-97	663	661	0	99.70	0.30	I (NWZ)	unnamed
4	SAT1/KEN/98/2010	KEN10-98	663	660	0	99.55	0.45	I (NWZ)	unnamed
5	SAT1/KEN/1/2010	KEN10-01	663	659	0	99.40	0.60	I (NWZ)	Unnamed
6	SAT1/KEN/101/2010	KEN10101	663	659	0	99.40	0.60	I (NWZ)	unnamed
7	SAT1/KEN/106/2010	KEN10106	663	659	0	99.40	0.60	I (NWZ)	unnamed
8	SAT1/KEN/114/2010	KEN10114	663	659	0	99.40	0.60	I (NWZ)	unnamed
9	SAT1/KEN/120/2010	KEN10120	663	659	0	99.40	0.60	I (NWZ)	unnamed
10	SAT1/KEN/130/2010	KEN10130	663	659	0	99.40	0.60	I (NWZ)	unnamed
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/T155/71	TAN71155	663	599	0	90.35	9.65	I (NWZ)	unnamed
2	SAT1/ZIM/23/2003	ZIM03-23	663	531	0	80.09	19.91	I (NWZ)	unnamed
3	SAT1/SUD/3/76 (AY441996)	SUD76S03	663	514	0	77.53	22.47	VI	unnamed
4	SAT1/RHO/5/66 (AY593846)	RHO66-05	663	513	0	77.38	22.62	II (SEZ)	unnamed
5	SAT1/RV/11/37 (AY593839)	RHO37-11	663	512	0	77.22	22.78	II (SEZ)	unnamed
6	SAT1/UGA BUFF/21/70 buffalo	UGA70-21	663	499	0	75.26	24.74	IV (EA-1)	unnamed
7	SAT1/BOT/1/68 (AY593845)	BOT68-C1	663	492	0	74.21	25.79	III (WZ)	unnamed
8	SAT1/BEC/1/48 (AY593838)	BEC48-01	663	487	0	73.45	26.55	III (WZ)	unnamed
9	SAT1/UGA/13/74 (AY442010)	UGA74S13	663	471	0	71.04	28.96	VII (EA-2)	unnamed
10	SAT1/UGA/1/97 (AY442012)	UGA97S01	663	470	0	70.89	29.11	VIII (EA-3)	unnamed

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v3.1

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

IAH-P-EP-MEG-FOR-005-3

Page 1 of 1

Serotype: SAT1	Report date: 04/08/2010
WRLFMD Ref No: KEN/97/2010	Reported by: N.J. Knowles
Batch No: WRLFMD/2010/00026	Checked by: V. Mioulet
Sender Ref: K69/10	
Location: Eldoret West, Kenya	Topotype: I (NWZ)
Date collected: 21/04/2010	Genotype/strain: Unnamed
Date received by WRLFMD: 10/06/2010	Sequence filename: KEN10-97.SEQ
Date received for sequencing: 29/07/2010	Date sequence last updated: 04/08/2010
Species: Cattle	No. of Nt determined: 663
Material used: BTy1	No. of ambiguities: 0
Region sequenced: VP1	Gene length: 663
RT-PCR primers: SAT1-1C559F/SAT-2B208R	Total no. of comparisons: 365
SAT1U-OS/SAT-2B208R	Min. no. of nt for comparison: 600
	Total turn-around time: 55 days
	Sequencing time: 6 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/KEN/118/2010	KEN10118	663	663	0	100.00	0.00	I (NWZ)	unnamed
2	SAT1/KEN/119/2010	KEN10119	663	663	0	100.00	0.00	I (NWZ)	unnamed
3	SAT1/KEN/98/2010	KEN10-98	663	662	0	99.85	0.15	I (NWZ)	unnamed
4	SAT1/KEN/120/2010	KEN10120	663	661	0	99.70	0.30	I (NWZ)	unnamed
5	SAT1/KEN/96/2010	KEN10-96	663	661	0	99.70	0.30	I (NWZ)	unnamed
6	SAT1/KEN/1/2010	KEN10-01	663	659	0	99.40	0.60	I (NWZ)	Unnamed
7	SAT1/KEN/101/2010	KEN10101	663	659	0	99.40	0.60	I (NWZ)	unnamed
8	SAT1/KEN/114/2010	KEN10114	663	659	0	99.40	0.60	I (NWZ)	unnamed
9	SAT1/KEN/115/2010	KEN10115	663	659	0	99.40	0.60	I (NWZ)	unnamed
10	SAT1/KEN/12/2010	KEN10-12	663	659	0	99.40	0.60	I (NWZ)	Unnamed
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/T155/71	TAN71155	663	600	0	90.50	9.50	I (NWZ)	unnamed
2	SAT1/ZIM/23/2003	ZIM03-23	663	532	0	80.24	19.76	I (NWZ)	unnamed
3	SAT1/RV/11/37 (AY593839)	RHO37-11	663	514	0	77.53	22.47	II (SEZ)	unnamed
4	SAT1/RHO/5/66 (AY593846)	RHO66-05	663	513	0	77.38	22.62	II (SEZ)	unnamed
5	SAT1/SUD/3/76 (AY441996)	SUD76S03	663	512	0	77.22	22.78	VI	unnamed
6	SAT1/UGA BUFF/21/70 buffalo	UGA70-21	663	500	0	75.41	24.59	IV (EA-1)	unnamed
7	SAT1/BOT/1/68 (AY593845)	BOT68-C1	663	491	0	74.06	25.94	III (WZ)	unnamed
8	SAT1/BEC/1/48 (AY593838)	BEC48-01	663	487	0	73.45	26.55	III (WZ)	unnamed
9	SAT1/UGA/13/74 (AY442010)	UGA74S13	663	472	0	71.19	28.81	VII (EA-2)	unnamed
10	SAT1/UGA/1/97 (AY442012)	UGA97S01	663	470	0	70.89	29.11	VIII (EA-3)	unnamed

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v3.1

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

IAH-P-EP-MEG-FOR-005-3

Page 1 of 1

Serotype: SAT1 WRLFMD Ref No: KEN/98/2010 Batch No: WRLFMD/2010/00026 Sender Ref: K70/10 Location: Eldoret West, Kenya Date collected: 21/04/2010 Date received by WRLFMD: 10/06/2010 Date received for sequencing: 29/07/2010 Species: Cattle Material used: BTy3 Region sequenced: VP1 RT-PCR primers: SAT1-1C559F/SAT-2B208R SAT1U-OS/SAT-2B208R	Report date: 04/08/2010 Reported by: N.J. Knowles Checked by: V. Mioulet Topotype: I (NWZ) Genotype/strain: Unnamed Sequence filename: KEN10-98.SEQ Date sequence last updated: 04/08/2010 No. of Nt determined: 663 No. of ambiguities: 0 Gene length: 663 Total no. of comparisons: 365 Min. no. of nt for comparison: 600 Total turn-around time: 55 days Sequencing time: 6 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/KEN/118/2010	KEN10118	663	662	0	99.85	0.15	I (NWZ)	unnamed
2	SAT1/KEN/119/2010	KEN10119	663	662	0	99.85	0.15	I (NWZ)	unnamed
3	SAT1/KEN/97/2010	KEN10-97	663	662	0	99.85	0.15	I (NWZ)	unnamed
4	SAT1/KEN/120/2010	KEN10120	663	660	0	99.55	0.45	I (NWZ)	unnamed
5	SAT1/KEN/96/2010	KEN10-96	663	660	0	99.55	0.45	I (NWZ)	unnamed
6	SAT1/KEN/1/2010	KEN10-01	663	658	0	99.25	0.75	I (NWZ)	Unnamed
7	SAT1/KEN/101/2010	KEN10101	663	658	0	99.25	0.75	I (NWZ)	unnamed
8	SAT1/KEN/114/2010	KEN10114	663	658	0	99.25	0.75	I (NWZ)	unnamed
9	SAT1/KEN/115/2010	KEN10115	663	658	0	99.25	0.75	I (NWZ)	unnamed
10	SAT1/KEN/12/2010	KEN10-12	663	658	0	99.25	0.75	I (NWZ)	Unnamed
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/T155/71	TAN71155	663	599	0	90.35	9.65	I (NWZ)	unnamed
2	SAT1/ZIM/23/2003	ZIM03-23	663	531	0	80.09	19.91	I (NWZ)	unnamed
3	SAT1/RV/11/37 (AY593839)	RHO37-11	663	514	0	77.53	22.47	II (SEZ)	unnamed
4	SAT1/RHO/5/66 (AY593846)	RHO66-05	663	513	0	77.38	22.62	II (SEZ)	unnamed
5	SAT1/SUD/3/76 (AY441996)	SUD76S03	663	511	0	77.07	22.93	VI	unnamed
6	SAT1/UGA BUFF/21/70 buffalo	UGA70-21	663	500	0	75.41	24.59	IV (EA-1)	unnamed
7	SAT1/BOT/1/68 (AY593845)	BOT68-C1	663	491	0	74.06	25.94	III (WZ)	unnamed
8	SAT1/BEC/1/48 (AY593838)	BEC48-01	663	487	0	73.45	26.55	III (WZ)	unnamed
9	SAT1/UGA/13/74 (AY442010)	UGA74S13	663	472	0	71.19	28.81	VII (EA-2)	unnamed
10	SAT1/UGA/1/97 (AY442012)	UGA97S01	663	471	0	71.04	28.96	VIII (EA-3)	unnamed

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v3.1

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

IAH-P-EP-MEG-FOR-005-3

Page 1 of 1

Serotype: SAT1 WRLFMD Ref No: KEN/101/2010 Batch No: WRLFMD/2010/00026 Sender Ref: K73/10 Location: Ruiru, Kenya Date collected: 03/05/2010 Date received by WRLFMD: 10/06/2010 Date received for sequencing: 29/07/2010 Species: Cattle Material used: BTy1 Region sequenced: VP1 RT-PCR primers: SAT1-1C559F/SAT-2B208R SAT1U-OS/SAT-2B208R	Report date: 04/08/2010 Reported by: N.J. Knowles Checked by: V. Mioulet Topotype: I (NWZ) Genotype/strain: Unnamed Sequence filename: KEN10101.SEQ Date sequence last updated: 04/08/2010 No. of Nt determined: 663 No. of ambiguities: 0 Gene length: 663 Total no. of comparisons: 365 Min. no. of nt for comparison: 600 Total turn-around time: 55 days Sequencing time: 6 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/KEN/1/2010	KEN10-01	663	661	0	99.70	0.30	I (NWZ)	Unnamed
2	SAT1/KEN/114/2010	KEN10114	663	661	0	99.70	0.30	I (NWZ)	unnamed
3	SAT1/KEN/130/2010	KEN10130	663	661	0	99.70	0.30	I (NWZ)	unnamed
4	SAT1/KEN/14/2010	KEN10-14	663	661	0	99.70	0.30	I (NWZ)	Unnamed
5	SAT1/KEN/4/2010	KEN10-04	663	661	0	99.70	0.30	I (NWZ)	Unnamed
6	SAT1/KEN/5/2010	KEN10-05	663	661	0	99.70	0.30	I (NWZ)	Unnamed
7	SAT1/KEN/6/2010	KEN10-06	663	661	0	99.70	0.30	I (NWZ)	Unnamed
8	SAT1/KEN/8/2010	KEN10-08	663	661	0	99.70	0.30	I (NWZ)	Unnamed
9	SAT1/KEN/10/2010	KEN10-10	663	660	0	99.55	0.45	I (NWZ)	Unnamed
10	SAT1/KEN/102/2010	KEN10102	663	659	0	99.40	0.60	I (NWZ)	unnamed
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/T155/71	TAN71155	663	600	0	90.50	9.50	I (NWZ)	unnamed
2	SAT1/ZIM/23/2003	ZIM03-23	663	532	0	80.24	19.76	I (NWZ)	unnamed
3	SAT1/RV/11/37 (AY593839)	RHO37-11	663	514	0	77.53	22.47	II (SEZ)	unnamed
4	SAT1/SUD/3/76 (AY441996)	SUD76S03	663	512	0	77.22	22.78	VI	unnamed
5	SAT1/RHO/5/66 (AY593846)	RHO66-05	663	511	0	77.07	22.93	II (SEZ)	unnamed
6	SAT1/UGA BUFF/21/70 buffalo	UGA70-21	663	502	0	75.72	24.28	IV (EA-1)	unnamed
7	SAT1/BOT/1/68 (AY593845)	BOT68-C1	663	491	0	74.06	25.94	III (WZ)	unnamed
8	SAT1/BEC/1/48 (AY593838)	BEC48-01	663	485	0	73.15	26.85	III (WZ)	unnamed
9	SAT1/UGA/1/97 (AY442012)	UGA97S01	663	471	0	71.04	28.96	VIII (EA-3)	unnamed
10	SAT1/UGA/13/74 (AY442010)	UGA74S13	663	470	0	70.89	29.11	VII (EA-2)	unnamed

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v3.1

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

IAH-P-EP-MEG-FOR-005-3

Page 1 of 1

Serotype: SAT1	Report date: 04/08/2010
WRLFMD Ref No: KEN/102/2010	Reported by: N.J. Knowles
Batch No: WRLFMD/2010/00026	Checked by: V. Mioulet
Sender Ref: K74/10	
Location: Narok South, Kenya	Topotype: I (NWZ)
Date collected: 06/05/2010	Genotype/strain: Unnamed
Date received by WRLFMD: 10/06/2010	Sequence filename: KEN10102.SEQ
Date received for sequencing: 29/07/2010	Date sequence last updated: 04/08/2010
Species: Cattle	No. of Nt determined: 663
Material used: BTy1	No. of ambiguities: 0
Region sequenced: VP1	Gene length: 663
RT-PCR primers: SAT1-1C559F/SAT-2B208R	Total no. of comparisons: 365
SAT1U-OS/SAT-2B208R	Min. no. of nt for comparison: 600
	Total turn-around time: 55 days
	Sequencing time: 6 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/KEN/1/2010	KEN10-01	663	659	0	99.40	0.60	I (NWZ)	Unnamed
2	SAT1/KEN/101/2010	KEN10101	663	659	0	99.40	0.60	I (NWZ)	unnamed
3	SAT1/KEN/114/2010	KEN10114	663	659	0	99.40	0.60	I (NWZ)	unnamed
4	SAT1/KEN/130/2010	KEN10130	663	659	0	99.40	0.60	I (NWZ)	unnamed
5	SAT1/KEN/14/2010	KEN10-14	663	659	0	99.40	0.60	I (NWZ)	Unnamed
6	SAT1/KEN/4/2010	KEN10-04	663	659	0	99.40	0.60	I (NWZ)	Unnamed
7	SAT1/KEN/5/2010	KEN10-05	663	659	0	99.40	0.60	I (NWZ)	Unnamed
8	SAT1/KEN/6/2010	KEN10-06	663	659	0	99.40	0.60	I (NWZ)	Unnamed
9	SAT1/KEN/8/2010	KEN10-08	663	659	0	99.40	0.60	I (NWZ)	Unnamed
10	SAT1/KEN/10/2010	KEN10-10	663	658	0	99.25	0.75	I (NWZ)	Unnamed
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/T155/71	TAN71155	663	600	0	90.50	9.50	I (NWZ)	unnamed
2	SAT1/ZIM/23/2003	ZIM03-23	663	532	0	80.24	19.76	I (NWZ)	unnamed
3	SAT1/RV/11/37 (AY593839)	RHO37-11	663	513	0	77.38	22.62	II (SEZ)	unnamed
4	SAT1/SUD/3/76 (AY441996)	SUD76S03	663	513	0	77.38	22.62	VI	unnamed
5	SAT1/RHO/5/66 (AY593846)	RHO66-05	663	511	0	77.07	22.93	II (SEZ)	unnamed
6	SAT1/UGA BUFF/21/70 buffalo	UGA70-21	663	500	0	75.41	24.59	IV (EA-1)	unnamed
7	SAT1/BOT/1/68 (AY593845)	BOT68-C1	663	491	0	74.06	25.94	III (WZ)	unnamed
8	SAT1/BEC/1/48 (AY593838)	BEC48-01	663	485	0	73.15	26.85	III (WZ)	unnamed
9	SAT1/UGA/1/97 (AY442012)	UGA97S01	663	471	0	71.04	28.96	VIII (EA-3)	unnamed
10	SAT1/UGA/13/74 (AY442010)	UGA74S13	663	471	0	71.04	28.96	VII (EA-2)	unnamed

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v3.1

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

IAH-P-EP-MEG-FOR-005-3

Page 1 of 1

Serotype: SAT1	Report date: 04/08/2010
WRLFMD Ref No: KEN/103/2010	Reported by: N.J. Knowles
Batch No: WRLFMD/2010/00026	Checked by: V. Mioulet
Sender Ref: K76/10	
Location: Thika West, Kenya	Topotype: I (NWZ)
Date collected: 07/05/2010	Genotype/strain: Unnamed
Date received by WRLFMD: 10/06/2010	Sequence filename: KEN10103.SEQ
Date received for sequencing: 29/07/2010	Date sequence last updated: 04/08/2010
Species: Cattle	No. of Nt determined: 663
Material used: BTy2	No. of ambiguities: 0
Region sequenced: VP1	Gene length: 663
RT-PCR primers: SAT1-1C559F/SAT-2B208R	Total no. of comparisons: 365
SAT1U-OS/SAT-2B208R	Min. no. of nt for comparison: 600
	Total turn-around time: 55 days
	Sequencing time: 6 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/KEN/1/2010	KEN10-01	663	659	0	99.40	0.60	I (NWZ)	Unnamed
2	SAT1/KEN/4/2010	KEN10-04	663	659	0	99.40	0.60	I (NWZ)	Unnamed
3	SAT1/KEN/5/2010	KEN10-05	663	659	0	99.40	0.60	I (NWZ)	Unnamed
4	SAT1/KEN/6/2010	KEN10-06	663	659	0	99.40	0.60	I (NWZ)	Unnamed
5	SAT1/KEN/8/2010	KEN10-08	663	659	0	99.40	0.60	I (NWZ)	Unnamed
6	SAT1/KEN/10/2010	KEN10-10	663	658	0	99.25	0.75	I (NWZ)	Unnamed
7	SAT1/KEN/101/2010	KEN10101	663	657	0	99.10	0.90	I (NWZ)	unnamed
8	SAT1/KEN/106/2010	KEN10106	663	657	0	99.10	0.90	I (NWZ)	unnamed
9	SAT1/KEN/114/2010	KEN10114	663	657	0	99.10	0.90	I (NWZ)	unnamed
10	SAT1/KEN/12/2010	KEN10-12	663	657	0	99.10	0.90	I (NWZ)	Unnamed
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/T155/71	TAN71155	663	598	0	90.20	9.80	I (NWZ)	unnamed
2	SAT1/ZIM/23/2003	ZIM03-23	663	530	0	79.94	20.06	I (NWZ)	unnamed
3	SAT1/RV/11/37 (AY593839)	RHO37-11	663	514	0	77.53	22.47	II (SEZ)	unnamed
4	SAT1/SUD/3/76 (AY441996)	SUD76S03	663	512	0	77.22	22.78	VI	unnamed
5	SAT1/RHO/5/66 (AY593846)	RHO66-05	663	511	0	77.07	22.93	II (SEZ)	unnamed
6	SAT1/UGA BUFF/21/70 buffalo	UGA70-21	663	499	0	75.26	24.74	IV (EA-1)	unnamed
7	SAT1/BOT/1/68 (AY593845)	BOT68-C1	663	489	0	73.76	26.24	III (WZ)	unnamed
8	SAT1/BEC/1/48 (AY593838)	BEC48-01	663	483	0	72.85	27.15	III (WZ)	unnamed
9	SAT1/UGA/13/74 (AY442010)	UGA74S13	663	469	0	70.74	29.26	VII (EA-2)	unnamed
10	SAT1/UGA/1/97 (AY442012)	UGA97S01	663	467	0	70.44	29.56	VIII (EA-3)	unnamed

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v3.1

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

IAH-P-EP-MEG-FOR-005-3

Page 1 of 1

Serotype: SAT1 WRLFMD Ref No: KEN/104/2010 Batch No: WRLFMD/2010/00026 Sender Ref: K78/10 Location: Mwala, Kenya Date collected: 07/05/2010 Date received by WRLFMD: 10/06/2010 Date received for sequencing: 29/07/2010 Species: Cattle Material used: BTy1 Region sequenced: VP1 RT-PCR primers: SAT1-1C559F/SAT-2B208R SAT1U-OS/SAT-2B208R	Report date: 04/08/2010 Reported by: N.J. Knowles Checked by: V. Mioulet Topotype: I (NWZ) Genotype/strain: Unnamed Sequence filename: KEN10104.SEQ Date sequence last updated: 04/08/2010 No. of Nt determined: 663 No. of ambiguities: 0 Gene length: 663 Total no. of comparisons: 365 Min. no. of nt for comparison: 600 Total turn-around time: 55 days Sequencing time: 6 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/KEN/105/2010	KEN10105	663	662	0	99.85	0.15	I (NWZ)	unnamed
2	SAT1/KEN/106/2010	KEN10106	663	662	0	99.85	0.15	I (NWZ)	unnamed
3	SAT1/KEN/77/2010	KEN10-77	663	661	0	99.70	0.30	I (NWZ)	Unnamed
4	SAT1/KEN/90/2010	KEN10-90	663	661	0	99.70	0.30	I (NWZ)	unnamed
5	SAT1/KEN/1/2010	KEN10-01	663	660	0	99.55	0.45	I (NWZ)	Unnamed
6	SAT1/KEN/131/2010	KEN10131	663	660	0	99.55	0.45	I (NWZ)	unnamed
7	SAT1/KEN/4/2010	KEN10-04	663	660	0	99.55	0.45	I (NWZ)	Unnamed
8	SAT1/KEN/5/2010	KEN10-05	663	660	0	99.55	0.45	I (NWZ)	Unnamed
9	SAT1/KEN/6/2010	KEN10-06	663	660	0	99.55	0.45	I (NWZ)	Unnamed
10	SAT1/KEN/8/2010	KEN10-08	663	660	0	99.55	0.45	I (NWZ)	Unnamed
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/T155/71	TAN71155	663	599	0	90.35	9.65	I (NWZ)	unnamed
2	SAT1/ZIM/23/2003	ZIM03-23	663	534	0	80.54	19.46	I (NWZ)	unnamed
3	SAT1/RHO/5/66 (AY593846)	RHO66-05	663	514	0	77.53	22.47	II (SEZ)	unnamed
4	SAT1/RV/11/37 (AY593839)	RHO37-11	663	514	0	77.53	22.47	II (SEZ)	unnamed
5	SAT1/SUD/3/76 (AY441996)	SUD76S03	663	513	0	77.38	22.62	VI	unnamed
6	SAT1/UGA BUFF/21/70 buffalo	UGA70-21	663	502	0	75.72	24.28	IV (EA-1)	unnamed
7	SAT1/BOT/1/68 (AY593845)	BOT68-C1	663	493	0	74.36	25.64	III (WZ)	unnamed
8	SAT1/BEC/1/48 (AY593838)	BEC48-01	663	485	0	73.15	26.85	III (WZ)	unnamed
9	SAT1/UGA/1/97 (AY442012)	UGA97S01	663	472	0	71.19	28.81	VIII (EA-3)	unnamed
10	SAT1/UGA/13/74 (AY442010)	UGA74S13	663	469	0	70.74	29.26	VII (EA-2)	unnamed

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v3.1

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

IAH-P-EP-MEG-FOR-005-3

Page 1 of 1

Serotype: SAT1 WRLFMD Ref No: KEN/105/2010 Batch No: WRLFMD/2010/00026 Sender Ref: K79/10 Location: Mwala, Kenya Date collected: 07/05/2010 Date received by WRLFMD: 10/06/2010 Date received for sequencing: 29/07/2010 Species: Cattle Material used: BTy1 Region sequenced: VP1 RT-PCR primers: SAT1-1C559F/SAT-2B208R SAT1U-OS/SAT-2B208R	Report date: 04/08/2010 Reported by: N.J. Knowles Checked by: V. Mioulet Topotype: I (NWZ) Genotype/strain: Unnamed Sequence filename: KEN10105.SEQ Date sequence last updated: 04/08/2010 No. of Nt determined: 663 No. of ambiguities: 0 Gene length: 663 Total no. of comparisons: 365 Min. no. of nt for comparison: 600 Total turn-around time: 55 days Sequencing time: 6 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/KEN/104/2010	KEN10104	663	662	0	99.85	0.15	I (NWZ)	unnamed
2	SAT1/KEN/106/2010	KEN10106	663	661	0	99.70	0.30	I (NWZ)	unnamed
3	SAT1/KEN/77/2010	KEN10-77	663	660	0	99.55	0.45	I (NWZ)	Unnamed
4	SAT1/KEN/90/2010	KEN10-90	663	660	0	99.55	0.45	I (NWZ)	unnamed
5	SAT1/KEN/1/2010	KEN10-01	663	659	0	99.40	0.60	I (NWZ)	Unnamed
6	SAT1/KEN/131/2010	KEN10131	663	659	0	99.40	0.60	I (NWZ)	unnamed
7	SAT1/KEN/4/2010	KEN10-04	663	659	0	99.40	0.60	I (NWZ)	Unnamed
8	SAT1/KEN/5/2010	KEN10-05	663	659	0	99.40	0.60	I (NWZ)	Unnamed
9	SAT1/KEN/6/2010	KEN10-06	663	659	0	99.40	0.60	I (NWZ)	Unnamed
10	SAT1/KEN/8/2010	KEN10-08	663	659	0	99.40	0.60	I (NWZ)	Unnamed
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/T155/71	TAN71155	663	598	0	90.20	9.80	I (NWZ)	unnamed
2	SAT1/ZIM/23/2003	ZIM03-23	663	535	0	80.69	19.31	I (NWZ)	unnamed
3	SAT1/RHO/5/66 (AY593846)	RHO66-05	663	513	0	77.38	22.62	II (SEZ)	unnamed
4	SAT1/RV/11/37 (AY593839)	RHO37-11	663	513	0	77.38	22.62	II (SEZ)	unnamed
5	SAT1/SUD/3/76 (AY441996)	SUD76S03	663	513	0	77.38	22.62	VI	unnamed
6	SAT1/UGA BUFF/21/70 buffalo	UGA70-21	663	502	0	75.72	24.28	IV (EA-1)	unnamed
7	SAT1/BOT/1/68 (AY593845)	BOT68-C1	663	492	0	74.21	25.79	III (WZ)	unnamed
8	SAT1/BEC/1/48 (AY593838)	BEC48-01	663	484	0	73.00	27.00	III (WZ)	unnamed
9	SAT1/UGA/1/97 (AY442012)	UGA97S01	663	472	0	71.19	28.81	VIII (EA-3)	unnamed
10	SAT1/UGA/13/74 (AY442010)	UGA74S13	663	469	0	70.74	29.26	VII (EA-2)	unnamed

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v3.1

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

IAH-P-EP-MEG-FOR-005-3

Page 1 of 1

Serotype: SAT1	Report date: 04/08/2010
WRLFMD Ref No: KEN/106/2010	Reported by: N.J. Knowles
Batch No: WRLFMD/2010/00026	Checked by: V. Mioulet
Sender Ref: K81/10	
Location: Kangundo, Kenya	Topotype: I (NWZ)
Date collected: 07/05/2010	Genotype/strain: Unnamed
Date received by WRLFMD: 10/06/2010	Sequence filename: KEN10106.SEQ
Date received for sequencing: 29/07/2010	Date sequence last updated: 04/08/2010
Species: Cattle	No. of Nt determined: 663
Material used: BTy1	No. of ambiguities: 0
Region sequenced: VP1	Gene length: 663
RT-PCR primers: SAT1-1C559F/SAT-2B208R	Total no. of comparisons: 365
SAT1U-OS/SAT-2B208R	Min. no. of nt for comparison: 600
	Total turn-around time: 55 days
	Sequencing time: 6 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/KEN/104/2010	KEN10104	663	662	0	99.85	0.15	I (NWZ)	unnamed
2	SAT1/KEN/77/2010	KEN10-77	663	662	0	99.85	0.15	I (NWZ)	Unnamed
3	SAT1/KEN/90/2010	KEN10-90	663	662	0	99.85	0.15	I (NWZ)	unnamed
4	SAT1/KEN/1/2010	KEN10-01	663	661	0	99.70	0.30	I (NWZ)	Unnamed
5	SAT1/KEN/105/2010	KEN10105	663	661	0	99.70	0.30	I (NWZ)	unnamed
6	SAT1/KEN/131/2010	KEN10131	663	661	0	99.70	0.30	I (NWZ)	unnamed
7	SAT1/KEN/4/2010	KEN10-04	663	661	0	99.70	0.30	I (NWZ)	Unnamed
8	SAT1/KEN/5/2010	KEN10-05	663	661	0	99.70	0.30	I (NWZ)	Unnamed
9	SAT1/KEN/6/2010	KEN10-06	663	661	0	99.70	0.30	I (NWZ)	Unnamed
10	SAT1/KEN/8/2010	KEN10-08	663	661	0	99.70	0.30	I (NWZ)	Unnamed
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/T155/71	TAN71155	663	599	0	90.35	9.65	I (NWZ)	unnamed
2	SAT1/ZIM/23/2003	ZIM03-23	663	533	0	80.39	19.61	I (NWZ)	unnamed
3	SAT1/RV/11/37 (AY593839)	RHO37-11	663	514	0	77.53	22.47	II (SEZ)	unnamed
4	SAT1/RHO/5/66 (AY593846)	RHO66-05	663	513	0	77.38	22.62	II (SEZ)	unnamed
5	SAT1/SUD/3/76 (AY441996)	SUD76S03	663	513	0	77.38	22.62	VI	unnamed
6	SAT1/UGA BUFF/21/70 buffalo	UGA70-21	663	501	0	75.57	24.43	IV (EA-1)	unnamed
7	SAT1/BOT/1/68 (AY593845)	BOT68-C1	663	492	0	74.21	25.79	III (WZ)	unnamed
8	SAT1/BEC/1/48 (AY593838)	BEC48-01	663	485	0	73.15	26.85	III (WZ)	unnamed
9	SAT1/UGA/1/97 (AY442012)	UGA97S01	663	472	0	71.19	28.81	VIII (EA-3)	unnamed
10	SAT1/UGA/13/74 (AY442010)	UGA74S13	663	469	0	70.74	29.26	VII (EA-2)	unnamed

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v3.1

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

IAH-P-EP-MEG-FOR-005-3

Page 1 of 1

Serotype: SAT1	Report date: 04/08/2010
WRLFMD Ref No: KEN/107/2010	Reported by: N.J. Knowles
Batch No: WRLFMD/2010/00026	Checked by: V. Mioulet
Sender Ref: K82/10	
Location: Kangundo, Kenya	Topotype: I (NWZ)
Date collected: 07/05/2010	Genotype/strain: Unnamed
Date received by WRLFMD: 10/06/2010	Sequence filename: KEN10107.SEQ
Date received for sequencing: 29/07/2010	Date sequence last updated: 04/08/2010
Species: Cattle	No. of Nt determined: 663
Material used: BTy1	No. of ambiguities: 0
Region sequenced: VP1	Gene length: 663
RT-PCR primers: SAT1-1C559F/SAT-2B208R	Total no. of comparisons: 365
SAT1U-OS/SAT-2B208R	Min. no. of nt for comparison: 600
	Total turn-around time: 55 days
	Sequencing time: 6 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/KEN/12/2010	KEN10-12	663	661	0	99.70	0.30	I (NWZ)	Unnamed
2	SAT1/KEN/13/2010	KEN10-13	663	661	0	99.70	0.30	I (NWZ)	Unnamed
3	SAT1/KEN/71/2010	KEN10-71	663	660	0	99.55	0.45	I (NWZ)	Unnamed
4	SAT1/KEN/1/2010	KEN10-01	663	659	0	99.40	0.60	I (NWZ)	Unnamed
5	SAT1/KEN/4/2010	KEN10-04	663	659	0	99.40	0.60	I (NWZ)	Unnamed
6	SAT1/KEN/5/2010	KEN10-05	663	659	0	99.40	0.60	I (NWZ)	Unnamed
7	SAT1/KEN/6/2010	KEN10-06	663	659	0	99.40	0.60	I (NWZ)	Unnamed
8	SAT1/KEN/76/2010	KEN10-76	663	659	0	99.40	0.60	I (NWZ)	Unnamed
9	SAT1/KEN/8/2010	KEN10-08	663	659	0	99.40	0.60	I (NWZ)	Unnamed
10	SAT1/KEN/10/2010	KEN10-10	663	658	0	99.25	0.75	I (NWZ)	Unnamed
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/T155/71	TAN71155	663	598	0	90.20	9.80	I (NWZ)	unnamed
2	SAT1/ZIM/23/2003	ZIM03-23	663	530	0	79.94	20.06	I (NWZ)	unnamed
3	SAT1/RV/11/37 (AY593839)	RHO37-11	663	512	0	77.22	22.78	II (SEZ)	unnamed
4	SAT1/RHO/5/66 (AY593846)	RHO66-05	663	511	0	77.07	22.93	II (SEZ)	unnamed
5	SAT1/SUD/3/76 (AY441996)	SUD76S03	663	510	0	76.92	23.08	VI	unnamed
6	SAT1/UGA BUFF/21/70 buffalo	UGA70-21	663	498	0	75.11	24.89	IV (EA-1)	unnamed
7	SAT1/BOT/1/68 (AY593845)	BOT68-C1	663	491	0	74.06	25.94	III (WZ)	unnamed
8	SAT1/BEC/1/48 (AY593838)	BEC48-01	663	487	0	73.45	26.55	III (WZ)	unnamed
9	SAT1/UGA/1/97 (AY442012)	UGA97S01	663	472	0	71.19	28.81	VIII (EA-3)	unnamed
10	SAT1/UGA/13/74 (AY442010)	UGA74S13	663	468	0	70.59	29.41	VII (EA-2)	unnamed

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v3.1

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

IAH-P-EP-MEG-FOR-005-3

Page 1 of 1

Serotype: SAT1	Report date: 04/08/2010
WRLFMD Ref No: KEN/109/2010	Reported by: N.J. Knowles
Batch No: WRLFMD/2010/00026	Checked by: V. Mioulet
Sender Ref: K84/10	
Location: Igembe South, Kenya	Topotype: I (NWZ)
Date collected: 12/05/2010	Genotype/strain: Unnamed
Date received by WRLFMD: 10/06/2010	Sequence filename: KEN10109.SEQ
Date received for sequencing: 29/07/2010	Date sequence last updated: 04/08/2010
Species: Cattle	No. of Nt determined: 663
Material used: BTy1	No. of ambiguities: 0
Region sequenced: VP1	Gene length: 663
RT-PCR primers: SAT1-1C559F/SAT-2B208R	Total no. of comparisons: 365
SAT1U-OS/SAT-2B208R	Min. no. of nt for comparison: 600
	Total turn-around time: 55 days
	Sequencing time: 6 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/KEN/110/2010	KEN10110	663	663	0	100.00	0.00	I (NWZ)	unnamed
2	SAT1/KEN/12/2010	KEN10-12	663	660	0	99.55	0.45	I (NWZ)	Unnamed
3	SAT1/KEN/13/2010	KEN10-13	663	660	0	99.55	0.45	I (NWZ)	Unnamed
4	SAT1/KEN/71/2010	KEN10-71	663	659	0	99.40	0.60	I (NWZ)	Unnamed
5	SAT1/KEN/1/2010	KEN10-01	663	658	0	99.25	0.75	I (NWZ)	Unnamed
6	SAT1/KEN/107/2010	KEN10107	663	658	0	99.25	0.75	I (NWZ)	unnamed
7	SAT1/KEN/4/2010	KEN10-04	663	658	0	99.25	0.75	I (NWZ)	Unnamed
8	SAT1/KEN/5/2010	KEN10-05	663	658	0	99.25	0.75	I (NWZ)	Unnamed
9	SAT1/KEN/6/2010	KEN10-06	663	658	0	99.25	0.75	I (NWZ)	Unnamed
10	SAT1/KEN/76/2010	KEN10-76	663	658	0	99.25	0.75	I (NWZ)	Unnamed
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/T155/71	TAN71155	663	600	0	90.50	9.50	I (NWZ)	unnamed
2	SAT1/ZIM/23/2003	ZIM03-23	663	531	0	80.09	19.91	I (NWZ)	unnamed
3	SAT1/SUD/3/76 (AY441996)	SUD76S03	663	514	0	77.53	22.47	VI	unnamed
4	SAT1/RV/11/37 (AY593839)	RHO37-11	663	512	0	77.22	22.78	II (SEZ)	unnamed
5	SAT1/RHO/5/66 (AY593846)	RHO66-05	663	510	0	76.92	23.08	II (SEZ)	unnamed
6	SAT1/UGA BUFF/21/70 buffalo	UGA70-21	663	501	0	75.57	24.43	IV (EA-1)	unnamed
7	SAT1/BOT/1/68 (AY593845)	BOT68-C1	663	489	0	73.76	26.24	III (WZ)	unnamed
8	SAT1/BEC/1/48 (AY593838)	BEC48-01	663	485	0	73.15	26.85	III (WZ)	unnamed
9	SAT1/UGA/1/97 (AY442012)	UGA97S01	663	471	0	71.04	28.96	VIII (EA-3)	unnamed
10	SAT1/UGA/13/74 (AY442010)	UGA74S13	663	469	0	70.74	29.26	VII (EA-2)	unnamed

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v3.1

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

IAH-P-EP-MEG-FOR-005-3

Page 1 of 1

Serotype: SAT1	Report date: 04/08/2010
WRLFMD Ref No: KEN/110/2010	Reported by: N.J. Knowles
Batch No: WRLFMD/2010/00026	Checked by: V. Mioulet
Sender Ref: K85/10	
Location: Igembe South, Kenya	Topotype: I (NWZ)
Date collected: 12/05/2010	Genotype/strain: Unnamed
Date received by WRLFMD: 10/06/2010	Sequence filename: KEN10110.SEQ
Date received for sequencing: 29/07/2010	Date sequence last updated: 04/08/2010
Species: Cattle	No. of Nt determined: 663
Material used: BTy1	No. of ambiguities: 0
Region sequenced: VP1	Gene length: 663
RT-PCR primers: SAT1-1C559F/SAT-2B208R	Total no. of comparisons: 365
SAT1U-OS/SAT-2B208R	Min. no. of nt for comparison: 600
	Total turn-around time: 55 days
	Sequencing time: 6 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/KEN/109/2010	KEN10109	663	663	0	100.00	0.00	I (NWZ)	unnamed
2	SAT1/KEN/12/2010	KEN10-12	663	660	0	99.55	0.45	I (NWZ)	Unnamed
3	SAT1/KEN/13/2010	KEN10-13	663	660	0	99.55	0.45	I (NWZ)	Unnamed
4	SAT1/KEN/71/2010	KEN10-71	663	659	0	99.40	0.60	I (NWZ)	Unnamed
5	SAT1/KEN/1/2010	KEN10-01	663	658	0	99.25	0.75	I (NWZ)	Unnamed
6	SAT1/KEN/107/2010	KEN10107	663	658	0	99.25	0.75	I (NWZ)	unnamed
7	SAT1/KEN/4/2010	KEN10-04	663	658	0	99.25	0.75	I (NWZ)	Unnamed
8	SAT1/KEN/5/2010	KEN10-05	663	658	0	99.25	0.75	I (NWZ)	Unnamed
9	SAT1/KEN/6/2010	KEN10-06	663	658	0	99.25	0.75	I (NWZ)	Unnamed
10	SAT1/KEN/76/2010	KEN10-76	663	658	0	99.25	0.75	I (NWZ)	Unnamed
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/T155/71	TAN71155	663	600	0	90.50	9.50	I (NWZ)	unnamed
2	SAT1/ZIM/23/2003	ZIM03-23	663	531	0	80.09	19.91	I (NWZ)	unnamed
3	SAT1/SUD/3/76 (AY441996)	SUD76S03	663	514	0	77.53	22.47	VI	unnamed
4	SAT1/RV/11/37 (AY593839)	RHO37-11	663	512	0	77.22	22.78	II (SEZ)	unnamed
5	SAT1/RHO/5/66 (AY593846)	RHO66-05	663	510	0	76.92	23.08	II (SEZ)	unnamed
6	SAT1/UGA BUFF/21/70 buffalo	UGA70-21	663	501	0	75.57	24.43	IV (EA-1)	unnamed
7	SAT1/BOT/1/68 (AY593845)	BOT68-C1	663	489	0	73.76	26.24	III (WZ)	unnamed
8	SAT1/BEC/1/48 (AY593838)	BEC48-01	663	485	0	73.15	26.85	III (WZ)	unnamed
9	SAT1/UGA/1/97 (AY442012)	UGA97S01	663	471	0	71.04	28.96	VIII (EA-3)	unnamed
10	SAT1/UGA/13/74 (AY442010)	UGA74S13	663	469	0	70.74	29.26	VII (EA-2)	unnamed

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v3.1

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

IAH-P-EP-MEG-FOR-005-3

Page 1 of 1

Serotype: SAT1 WRLFMD Ref No: KEN/111/2010 Batch No: WRLFMD/2010/00026 Sender Ref: K87/10 Location: Narok, Kenya Date collected: 13/05/2010 Date received by WRLFMD: 10/06/2010 Date received for sequencing: 29/07/2010 Species: Cattle Material used: BTy1 Region sequenced: VP1 RT-PCR primers: SAT1-1C559F/SAT-2B208R SAT1U-OS/SAT-2B208R	Report date: 04/08/2010 Reported by: N.J. Knowles Checked by: V. Mioulet Topotype: I (NWZ) Genotype/strain: Unnamed Sequence filename: KEN10111.SEQ Date sequence last updated: 04/08/2010 No. of Nt determined: 663 No. of ambiguities: 0 Gene length: 663 Total no. of comparisons: 365 Min. no. of nt for comparison: 600 Total turn-around time: 55 days Sequencing time: 6 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/KEN/1/2010	KEN10-01	663	660	0	99.55	0.45	I (NWZ)	Unnamed
2	SAT1/KEN/116/2010	KEN10116	663	660	0	99.55	0.45	I (NWZ)	unnamed
3	SAT1/KEN/14/2010	KEN10-14	663	660	0	99.55	0.45	I (NWZ)	Unnamed
4	SAT1/KEN/4/2010	KEN10-04	663	660	0	99.55	0.45	I (NWZ)	Unnamed
5	SAT1/KEN/5/2010	KEN10-05	663	660	0	99.55	0.45	I (NWZ)	Unnamed
6	SAT1/KEN/6/2010	KEN10-06	663	660	0	99.55	0.45	I (NWZ)	Unnamed
7	SAT1/KEN/78/2010	KEN10-78	663	660	0	99.55	0.45	I (NWZ)	Unnamed
8	SAT1/KEN/8/2010	KEN10-08	663	660	0	99.55	0.45	I (NWZ)	Unnamed
9	SAT1/KEN/88/2010	KEN10-88	663	660	0	99.55	0.45	I (NWZ)	unnamed
10	SAT1/KEN/10/2010	KEN10-10	663	659	0	99.40	0.60	I (NWZ)	Unnamed
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/T155/71	TAN71155	663	597	0	90.05	9.95	I (NWZ)	unnamed
2	SAT1/ZIM/23/2003	ZIM03-23	663	529	0	79.79	20.21	I (NWZ)	unnamed
3	SAT1/RV/11/37 (AY593839)	RHO37-11	663	511	0	77.07	22.93	II (SEZ)	unnamed
4	SAT1/SUD/3/76 (AY441996)	SUD76S03	663	511	0	77.07	22.93	VI	unnamed
5	SAT1/RHO/5/66 (AY593846)	RHO66-05	663	509	0	76.77	23.23	II (SEZ)	unnamed
6	SAT1/UGA BUFF/21/70 buffalo	UGA70-21	663	498	0	75.11	24.89	IV (EA-1)	unnamed
7	SAT1/BOT/1/68 (AY593845)	BOT68-C1	663	489	0	73.76	26.24	III (WZ)	unnamed
8	SAT1/BEC/1/48 (AY593838)	BEC48-01	663	483	0	72.85	27.15	III (WZ)	unnamed
9	SAT1/UGA/1/97 (AY442012)	UGA97S01	663	469	0	70.74	29.26	VIII (EA-3)	unnamed
10	SAT1/UGA/13/74 (AY442010)	UGA74S13	663	469	0	70.74	29.26	VII (EA-2)	unnamed

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v3.1

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

IAH-P-EP-MEG-FOR-005-3

Page 1 of 1

Serotype: SAT1 WRLFMD Ref No: KEN/112/2010 Batch No: WRLFMD/2010/00026 Sender Ref: K88/10 Location: Githunguri, Kenya Date collected: 14/05/2010 Date received by WRLFMD: 10/06/2010 Date received for sequencing: 29/07/2010 Species: Cattle Material used: BTy1 Region sequenced: VP1 RT-PCR primers: SAT1-1C559F/SAT-2B208R SAT1U-OS/SAT-2B208R	Report date: 04/08/2010 Reported by: N.J. Knowles Checked by: V. Mioulet Topotype: I (NWZ) Genotype/strain: Unnamed Sequence filename: KEN10112.SEQ Date sequence last updated: 04/08/2010 No. of Nt determined: 663 No. of ambiguities: 0 Gene length: 663 Total no. of comparisons: 365 Min. no. of nt for comparison: 600 Total turn-around time: 55 days Sequencing time: 6 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/KEN/1/2010	KEN10-01	663	658	0	99.25	0.75	I (NWZ)	Unnamed
2	SAT1/KEN/101/2010	KEN10101	663	658	0	99.25	0.75	I (NWZ)	unnamed
3	SAT1/KEN/114/2010	KEN10114	663	658	0	99.25	0.75	I (NWZ)	unnamed
4	SAT1/KEN/130/2010	KEN10130	663	658	0	99.25	0.75	I (NWZ)	unnamed
5	SAT1/KEN/14/2010	KEN10-14	663	658	0	99.25	0.75	I (NWZ)	Unnamed
6	SAT1/KEN/4/2010	KEN10-04	663	658	0	99.25	0.75	I (NWZ)	Unnamed
7	SAT1/KEN/5/2010	KEN10-05	663	658	0	99.25	0.75	I (NWZ)	Unnamed
8	SAT1/KEN/6/2010	KEN10-06	663	658	0	99.25	0.75	I (NWZ)	Unnamed
9	SAT1/KEN/8/2010	KEN10-08	663	658	0	99.25	0.75	I (NWZ)	Unnamed
10	SAT1/KEN/10/2010	KEN10-10	663	657	0	99.10	0.90	I (NWZ)	Unnamed
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/T155/71	TAN71155	663	598	0	90.20	9.80	I (NWZ)	unnamed
2	SAT1/ZIM/23/2003	ZIM03-23	663	530	0	79.94	20.06	I (NWZ)	unnamed
3	SAT1/RV/11/37 (AY593839)	RHO37-11	663	514	0	77.53	22.47	II (SEZ)	unnamed
4	SAT1/SUD/3/76 (AY441996)	SUD76S03	663	512	0	77.22	22.78	VI	unnamed
5	SAT1/RHO/5/66 (AY593846)	RHO66-05	663	509	0	76.77	23.23	II (SEZ)	unnamed
6	SAT1/UGA BUFF/21/70 buffalo	UGA70-21	663	502	0	75.72	24.28	IV (EA-1)	unnamed
7	SAT1/BOT/1/68 (AY593845)	BOT68-C1	663	492	0	74.21	25.79	III (WZ)	unnamed
8	SAT1/BEC/1/48 (AY593838)	BEC48-01	663	486	0	73.30	26.70	III (WZ)	unnamed
9	SAT1/UGA/1/97 (AY442012)	UGA97S01	663	471	0	71.04	28.96	VIII (EA-3)	unnamed
10	SAT1/UGA/13/74 (AY442010)	UGA74S13	663	470	0	70.89	29.11	VII (EA-2)	unnamed

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v3.1

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

IAH-P-EP-MEG-FOR-005-3

Page 1 of 1

Serotype: SAT1 WRLFMD Ref No: KEN/113/2010 Batch No: WRLFMD/2010/00026 Sender Ref: K89/10 Location: Muranga South, Kenya Date collected: 14/05/2010 Date received by WRLFMD: 10/06/2010 Date received for sequencing: 29/07/2010 Species: Cattle Material used: BTy2 Region sequenced: VP1 RT-PCR primers: SAT1-1C559F/SAT-2B208R SAT1U-OS/SAT-2B208R	Report date: 04/08/2010 Reported by: N.J. Knowles Checked by: V. Mioulet Topotype: I (NWZ) Genotype/strain: Unnamed Sequence filename: KEN10113.SEQ Date sequence last updated: 04/08/2010 No. of Nt determined: 663 No. of ambiguities: 0 Gene length: 663 Total no. of comparisons: 365 Min. no. of nt for comparison: 600 Total turn-around time: 55 days Sequencing time: 6 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/KEN/131/2010	KEN10131	663	662	0	99.85	0.15	I (NWZ)	unnamed
2	SAT1/KEN/1/2010	KEN10-01	663	660	0	99.55	0.45	I (NWZ)	Unnamed
3	SAT1/KEN/106/2010	KEN10106	663	660	0	99.55	0.45	I (NWZ)	unnamed
4	SAT1/KEN/4/2010	KEN10-04	663	660	0	99.55	0.45	I (NWZ)	Unnamed
5	SAT1/KEN/5/2010	KEN10-05	663	660	0	99.55	0.45	I (NWZ)	Unnamed
6	SAT1/KEN/6/2010	KEN10-06	663	660	0	99.55	0.45	I (NWZ)	Unnamed
7	SAT1/KEN/8/2010	KEN10-08	663	660	0	99.55	0.45	I (NWZ)	Unnamed
8	SAT1/KEN/10/2010	KEN10-10	663	659	0	99.40	0.60	I (NWZ)	Unnamed
9	SAT1/KEN/104/2010	KEN10104	663	659	0	99.40	0.60	I (NWZ)	unnamed
10	SAT1/KEN/121/2010	KEN10121	663	659	0	99.40	0.60	I (NWZ)	unnamed
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/T155/71	TAN71155	663	597	0	90.05	9.95	I (NWZ)	unnamed
2	SAT1/ZIM/23/2003	ZIM03-23	663	531	0	80.09	19.91	I (NWZ)	unnamed
3	SAT1/RV/11/37 (AY593839)	RHO37-11	663	513	0	77.38	22.62	II (SEZ)	unnamed
4	SAT1/RHO/5/66 (AY593846)	RHO66-05	663	510	0	76.92	23.08	II (SEZ)	unnamed
5	SAT1/SUD/3/76 (AY441996)	SUD76S03	663	510	0	76.92	23.08	VI	unnamed
6	SAT1/UGA BUFF/21/70 buffalo	UGA70-21	663	500	0	75.41	24.59	IV (EA-1)	unnamed
7	SAT1/BOT/1/68 (AY593845)	BOT68-C1	663	490	0	73.91	26.09	III (WZ)	unnamed
8	SAT1/BEC/1/48 (AY593838)	BEC48-01	663	482	0	72.70	27.30	III (WZ)	unnamed
9	SAT1/UGA/1/97 (AY442012)	UGA97S01	663	470	0	70.89	29.11	VIII (EA-3)	unnamed
10	SAT1/UGA/13/74 (AY442010)	UGA74S13	663	467	0	70.44	29.56	VII (EA-2)	unnamed

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v3.1

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

IAH-P-EP-MEG-FOR-005-3

Page 1 of 1

Serotype: SAT1	Report date: 04/08/2010
WRLFMD Ref No: KEN/114/2010	Reported by: N.J. Knowles
Batch No: WRLFMD/2010/00026	Checked by: V. Mioulet
Sender Ref: K90/10	
Location: Muranga South, Kenya	Topotype: I (NWZ)
Date collected: 14/05/2010	Genotype/strain: Unnamed
Date received by WRLFMD: 10/06/2010	Sequence filename: KEN10114.SEQ
Date received for sequencing: 29/07/2010	Date sequence last updated: 04/08/2010
Species: Cattle	No. of Nt determined: 663
Material used: BTy1	No. of ambiguities: 0
Region sequenced: VP1	Gene length: 663
RT-PCR primers: SAT1-1C559F/SAT-2B208R	Total no. of comparisons: 365
SAT1U-OS/SAT-2B208R	Min. no. of nt for comparison: 600
	Total turn-around time: 55 days
	Sequencing time: 6 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/KEN/130/2010	KEN10130	663	663	0	100.00	0.00	I (NWZ)	unnamed
2	SAT1/KEN/1/2010	KEN10-01	663	661	0	99.70	0.30	I (NWZ)	Unnamed
3	SAT1/KEN/101/2010	KEN10101	663	661	0	99.70	0.30	I (NWZ)	unnamed
4	SAT1/KEN/14/2010	KEN10-14	663	661	0	99.70	0.30	I (NWZ)	Unnamed
5	SAT1/KEN/4/2010	KEN10-04	663	661	0	99.70	0.30	I (NWZ)	Unnamed
6	SAT1/KEN/5/2010	KEN10-05	663	661	0	99.70	0.30	I (NWZ)	Unnamed
7	SAT1/KEN/6/2010	KEN10-06	663	661	0	99.70	0.30	I (NWZ)	Unnamed
8	SAT1/KEN/8/2010	KEN10-08	663	661	0	99.70	0.30	I (NWZ)	Unnamed
9	SAT1/KEN/10/2010	KEN10-10	663	660	0	99.55	0.45	I (NWZ)	Unnamed
10	SAT1/KEN/72/2010	KEN10-72	663	660	0	99.55	0.45	I (NWZ)	Unnamed
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/T155/71	TAN71155	663	600	0	90.50	9.50	I (NWZ)	unnamed
2	SAT1/ZIM/23/2003	ZIM03-23	663	533	0	80.39	19.61	I (NWZ)	unnamed
3	SAT1/RV/11/37 (AY593839)	RHO37-11	663	515	0	77.68	22.32	II (SEZ)	unnamed
4	SAT1/RHO/5/66 (AY593846)	RHO66-05	663	512	0	77.22	22.78	II (SEZ)	unnamed
5	SAT1/SUD/3/76 (AY441996)	SUD76S03	663	512	0	77.22	22.78	VI	unnamed
6	SAT1/UGA BUFF/21/70 buffalo	UGA70-21	663	502	0	75.72	24.28	IV (EA-1)	unnamed
7	SAT1/BOT/1/68 (AY593845)	BOT68-C1	663	493	0	74.36	25.64	III (WZ)	unnamed
8	SAT1/BEC/1/48 (AY593838)	BEC48-01	663	486	0	73.30	26.70	III (WZ)	unnamed
9	SAT1/UGA/1/97 (AY442012)	UGA97S01	663	472	0	71.19	28.81	VIII (EA-3)	unnamed
10	SAT1/UGA/13/74 (AY442010)	UGA74S13	663	471	0	71.04	28.96	VII (EA-2)	unnamed

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v3.1

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

IAH-P-EP-MEG-FOR-005-3

Page 1 of 1

Serotype: SAT1	Report date: 04/08/2010
WRLFMD Ref No: KEN/115/2010	Reported by: N.J. Knowles
Batch No: WRLFMD/2010/00026	Checked by: V. Mioulet
Sender Ref: K91/10	
Location: Muranga South, Kenya	Topotype: I (NWZ)
Date collected: 14/05/2010	Genotype/strain: Unnamed
Date received by WRLFMD: 10/06/2010	Sequence filename: KEN10115.SEQ
Date received for sequencing: 29/07/2010	Date sequence last updated: 04/08/2010
Species: Cattle	No. of Nt determined: 663
Material used: BTy1	No. of ambiguities: 0
Region sequenced: VP1	Gene length: 663
RT-PCR primers: SAT1-1C559F/SAT-2B208R	Total no. of comparisons: 365
SAT1U-OS/SAT-2B208R	Min. no. of nt for comparison: 600
	Total turn-around time: 55 days
	Sequencing time: 6 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/KEN/118/2010	KEN10118	663	659	0	99.40	0.60	I (NWZ)	unnamed
2	SAT1/KEN/119/2010	KEN10119	663	659	0	99.40	0.60	I (NWZ)	unnamed
3	SAT1/KEN/12/2010	KEN10-12	663	659	0	99.40	0.60	I (NWZ)	Unnamed
4	SAT1/KEN/13/2010	KEN10-13	663	659	0	99.40	0.60	I (NWZ)	Unnamed
5	SAT1/KEN/97/2010	KEN10-97	663	659	0	99.40	0.60	I (NWZ)	unnamed
6	SAT1/KEN/71/2010	KEN10-71	663	658	0	99.25	0.75	I (NWZ)	Unnamed
7	SAT1/KEN/98/2010	KEN10-98	663	658	0	99.25	0.75	I (NWZ)	unnamed
8	SAT1/KEN/1/2010	KEN10-01	663	657	0	99.10	0.90	I (NWZ)	Unnamed
9	SAT1/KEN/107/2010	KEN10107	663	657	0	99.10	0.90	I (NWZ)	unnamed
10	SAT1/KEN/120/2010	KEN10120	663	657	0	99.10	0.90	I (NWZ)	unnamed
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/T155/71	TAN71155	663	596	0	89.89	10.11	I (NWZ)	unnamed
2	SAT1/ZIM/23/2003	ZIM03-23	663	528	0	79.64	20.36	I (NWZ)	unnamed
3	SAT1/RV/11/37 (AY593839)	RHO37-11	663	510	0	76.92	23.08	II (SEZ)	unnamed
4	SAT1/SUD/3/76 (AY441996)	SUD76S03	663	510	0	76.92	23.08	VI	unnamed
5	SAT1/RHO/5/66 (AY593846)	RHO66-05	663	509	0	76.77	23.23	II (SEZ)	unnamed
6	SAT1/UGA BUFF/21/70 buffalo	UGA70-21	663	496	0	74.81	25.19	IV (EA-1)	unnamed
7	SAT1/BOT/1/68 (AY593845)	BOT68-C1	663	491	0	74.06	25.94	III (WZ)	unnamed
8	SAT1/BEC/1/48 (AY593838)	BEC48-01	663	485	0	73.15	26.85	III (WZ)	unnamed
9	SAT1/UGA/13/74 (AY442010)	UGA74S13	663	468	0	70.59	29.41	VII (EA-2)	unnamed
10	SAT1/ETH/3/2007 (FJ798154)	ETH07-03	663	466	0	70.29	29.71	IX	unnamed

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v3.1

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

IAH-P-EP-MEG-FOR-005-3

Page 1 of 1

Serotype: SAT1	Report date: 04/08/2010
WRLFMD Ref No: KEN/116/2010	Reported by: N.J. Knowles
Batch No: WRLFMD/2010/00026	Checked by: V. Mioulet
Sender Ref: K92/10	
Location: Kibwezi, Kenya	Topotype: I (NWZ)
Date collected: 18/05/2010	Genotype/strain: Unnamed
Date received by WRLFMD: 10/06/2010	Sequence filename: KEN10116.SEQ
Date received for sequencing: 29/07/2010	Date sequence last updated: 04/08/2010
Species: Cattle	No. of Nt determined: 663
Material used: BTy1	No. of ambiguities: 0
Region sequenced: VP1	Gene length: 663
RT-PCR primers: SAT1-1C559F/SAT-2B208R	Total no. of comparisons: 365
SAT1U-OS/SAT-2B208R	Min. no. of nt for comparison: 600
	Total turn-around time: 55 days
	Sequencing time: 6 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/KEN/111/2010	KEN10111	663	660	0	99.55	0.45	I (NWZ)	unnamed
2	SAT1/KEN/1/2010	KEN10-01	663	659	0	99.40	0.60	I (NWZ)	Unnamed
3	SAT1/KEN/4/2010	KEN10-04	663	659	0	99.40	0.60	I (NWZ)	Unnamed
4	SAT1/KEN/5/2010	KEN10-05	663	659	0	99.40	0.60	I (NWZ)	Unnamed
5	SAT1/KEN/6/2010	KEN10-06	663	659	0	99.40	0.60	I (NWZ)	Unnamed
6	SAT1/KEN/8/2010	KEN10-08	663	659	0	99.40	0.60	I (NWZ)	Unnamed
7	SAT1/KEN/88/2010	KEN10-88	663	659	0	99.40	0.60	I (NWZ)	unnamed
8	SAT1/KEN/10/2010	KEN10-10	663	658	0	99.25	0.75	I (NWZ)	Unnamed
9	SAT1/KEN/94/2010	KEN10-94	663	658	0	99.25	0.75	I (NWZ)	unnamed
10	SAT1/KEN/101/2010	KEN10101	663	657	0	99.10	0.90	I (NWZ)	unnamed
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/T155/71	TAN71155	663	597	0	90.05	9.95	I (NWZ)	unnamed
2	SAT1/ZIM/23/2003	ZIM03-23	663	528	0	79.64	20.36	I (NWZ)	unnamed
3	SAT1/SUD/3/76 (AY441996)	SUD76S03	663	512	0	77.22	22.78	VI	unnamed
4	SAT1/RV/11/37 (AY593839)	RHO37-11	663	510	0	76.92	23.08	II (SEZ)	unnamed
5	SAT1/RHO/5/66 (AY593846)	RHO66-05	663	508	0	76.62	23.38	II (SEZ)	unnamed
6	SAT1/UGA BUFF/21/70 buffalo	UGA70-21	663	497	0	74.96	25.04	IV (EA-1)	unnamed
7	SAT1/BOT/1/68 (AY593845)	BOT68-C1	663	488	0	73.60	26.40	III (WZ)	unnamed
8	SAT1/BEC/1/48 (AY593838)	BEC48-01	663	482	0	72.70	27.30	III (WZ)	unnamed
9	SAT1/UGA/1/97 (AY442012)	UGA97S01	663	470	0	70.89	29.11	VIII (EA-3)	unnamed
10	SAT1/UGA/13/74 (AY442010)	UGA74S13	663	470	0	70.89	29.11	VII (EA-2)	unnamed

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v3.1

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

IAH-P-EP-MEG-FOR-005-3

Page 1 of 1

Serotype: SAT1	Report date: 04/08/2010
WRLFMD Ref No: KEN/118/2010	Reported by: N.J. Knowles
Batch No: WRLFMD/2010/00026	Checked by: V. Mioulet
Sender Ref: K93/10	
Location: Matete, Kenya	Topotype: I (NWZ)
Date collected: 19/05/2010	Genotype/strain: Unnamed
Date received by WRLFMD: 10/06/2010	Sequence filename: KEN10118.SEQ
Date received for sequencing: 29/07/2010	Date sequence last updated: 04/08/2010
Species: Cattle	No. of Nt determined: 663
Material used: BTy2	No. of ambiguities: 0
Region sequenced: VP1	Gene length: 663
RT-PCR primers: SAT1-1C559F/SAT-2B208R	Total no. of comparisons: 365
SAT1U-OS/SAT-2B208R	Min. no. of nt for comparison: 600
	Total turn-around time: 55 days
	Sequencing time: 6 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/KEN/119/2010	KEN10119	663	663	0	100.00	0.00	I (NWZ)	unnamed
2	SAT1/KEN/97/2010	KEN10-97	663	663	0	100.00	0.00	I (NWZ)	unnamed
3	SAT1/KEN/98/2010	KEN10-98	663	662	0	99.85	0.15	I (NWZ)	unnamed
4	SAT1/KEN/120/2010	KEN10120	663	661	0	99.70	0.30	I (NWZ)	unnamed
5	SAT1/KEN/96/2010	KEN10-96	663	661	0	99.70	0.30	I (NWZ)	unnamed
6	SAT1/KEN/1/2010	KEN10-01	663	659	0	99.40	0.60	I (NWZ)	Unnamed
7	SAT1/KEN/101/2010	KEN10101	663	659	0	99.40	0.60	I (NWZ)	unnamed
8	SAT1/KEN/114/2010	KEN10114	663	659	0	99.40	0.60	I (NWZ)	unnamed
9	SAT1/KEN/115/2010	KEN10115	663	659	0	99.40	0.60	I (NWZ)	unnamed
10	SAT1/KEN/12/2010	KEN10-12	663	659	0	99.40	0.60	I (NWZ)	Unnamed
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/T155/71	TAN71155	663	600	0	90.50	9.50	I (NWZ)	unnamed
2	SAT1/ZIM/23/2003	ZIM03-23	663	532	0	80.24	19.76	I (NWZ)	unnamed
3	SAT1/RV/11/37 (AY593839)	RHO37-11	663	514	0	77.53	22.47	II (SEZ)	unnamed
4	SAT1/RHO/5/66 (AY593846)	RHO66-05	663	513	0	77.38	22.62	II (SEZ)	unnamed
5	SAT1/SUD/3/76 (AY441996)	SUD76S03	663	512	0	77.22	22.78	VI	unnamed
6	SAT1/UGA BUFF/21/70 buffalo	UGA70-21	663	500	0	75.41	24.59	IV (EA-1)	unnamed
7	SAT1/BOT/1/68 (AY593845)	BOT68-C1	663	491	0	74.06	25.94	III (WZ)	unnamed
8	SAT1/BEC/1/48 (AY593838)	BEC48-01	663	487	0	73.45	26.55	III (WZ)	unnamed
9	SAT1/UGA/13/74 (AY442010)	UGA74S13	663	472	0	71.19	28.81	VII (EA-2)	unnamed
10	SAT1/UGA/1/97 (AY442012)	UGA97S01	663	470	0	70.89	29.11	VIII (EA-3)	unnamed

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v3.1

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

IAH-P-EP-MEG-FOR-005-3

Page 1 of 1

Serotype: SAT1	Report date: 04/08/2010
WRLFMD Ref No: KEN/119/2010	Reported by: N.J. Knowles
Batch No: WRLFMD/2010/00026	Checked by: V. Mioulet
Sender Ref: K94/10	
Location: Wareng, Kenya	Topotype: I (NWZ)
Date collected: 19/05/2010	Genotype/strain: Unnamed
Date received by WRLFMD: 10/06/2010	Sequence filename: KEN10119.SEQ
Date received for sequencing: 29/07/2010	Date sequence last updated: 04/08/2010
Species: Cattle	No. of Nt determined: 663
Material used: BTy1	No. of ambiguities: 0
Region sequenced: VP1	Gene length: 663
RT-PCR primers: SAT1-1C559F/SAT-2B208R	Total no. of comparisons: 365
SAT1U-OS/SAT-2B208R	Min. no. of nt for comparison: 600
	Total turn-around time: 55 days
	Sequencing time: 6 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/KEN/118/2010	KEN10118	663	663	0	100.00	0.00	I (NWZ)	unnamed
2	SAT1/KEN/97/2010	KEN10-97	663	663	0	100.00	0.00	I (NWZ)	unnamed
3	SAT1/KEN/98/2010	KEN10-98	663	662	0	99.85	0.15	I (NWZ)	unnamed
4	SAT1/KEN/120/2010	KEN10120	663	661	0	99.70	0.30	I (NWZ)	unnamed
5	SAT1/KEN/96/2010	KEN10-96	663	661	0	99.70	0.30	I (NWZ)	unnamed
6	SAT1/KEN/1/2010	KEN10-01	663	659	0	99.40	0.60	I (NWZ)	Unnamed
7	SAT1/KEN/101/2010	KEN10101	663	659	0	99.40	0.60	I (NWZ)	unnamed
8	SAT1/KEN/114/2010	KEN10114	663	659	0	99.40	0.60	I (NWZ)	unnamed
9	SAT1/KEN/115/2010	KEN10115	663	659	0	99.40	0.60	I (NWZ)	unnamed
10	SAT1/KEN/12/2010	KEN10-12	663	659	0	99.40	0.60	I (NWZ)	Unnamed
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/T155/71	TAN71155	663	600	0	90.50	9.50	I (NWZ)	unnamed
2	SAT1/ZIM/23/2003	ZIM03-23	663	532	0	80.24	19.76	I (NWZ)	unnamed
3	SAT1/RV/11/37 (AY593839)	RHO37-11	663	514	0	77.53	22.47	II (SEZ)	unnamed
4	SAT1/RHO/5/66 (AY593846)	RHO66-05	663	513	0	77.38	22.62	II (SEZ)	unnamed
5	SAT1/SUD/3/76 (AY441996)	SUD76S03	663	512	0	77.22	22.78	VI	unnamed
6	SAT1/UGA BUFF/21/70 buffalo	UGA70-21	663	500	0	75.41	24.59	IV (EA-1)	unnamed
7	SAT1/BOT/1/68 (AY593845)	BOT68-C1	663	491	0	74.06	25.94	III (WZ)	unnamed
8	SAT1/BEC/1/48 (AY593838)	BEC48-01	663	487	0	73.45	26.55	III (WZ)	unnamed
9	SAT1/UGA/13/74 (AY442010)	UGA74S13	663	472	0	71.19	28.81	VII (EA-2)	unnamed
10	SAT1/UGA/1/97 (AY442012)	UGA97S01	663	470	0	70.89	29.11	VIII (EA-3)	unnamed

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v3.1

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

IAH-P-EP-MEG-FOR-005-3

Page 1 of 1

Serotype: SAT1 WRLFMD Ref No: KEN/120/2010 Batch No: WRLFMD/2010/00026 Sender Ref: K95/10 Location: Wareng, Kenya Date collected: 19/05/2010 Date received by WRLFMD: 10/06/2010 Date received for sequencing: 29/07/2010 Species: Cattle Material used: BTy1 Region sequenced: VP1 RT-PCR primers: SAT1-1C559F/SAT-2B208R SAT1U-OS/SAT-2B208R	Report date: 04/08/2010 Reported by: N.J. Knowles Checked by: V. Mioulet Topotype: I (NWZ) Genotype/strain: Unnamed Sequence filename: KEN10120.SEQ Date sequence last updated: 04/08/2010 No. of Nt determined: 663 No. of ambiguities: 0 Gene length: 663 Total no. of comparisons: 365 Min. no. of nt for comparison: 600 Total turn-around time: 55 days Sequencing time: 6 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/KEN/118/2010	KEN10118	663	661	0	99.70	0.30	I (NWZ)	unnamed
2	SAT1/KEN/119/2010	KEN10119	663	661	0	99.70	0.30	I (NWZ)	unnamed
3	SAT1/KEN/97/2010	KEN10-97	663	661	0	99.70	0.30	I (NWZ)	unnamed
4	SAT1/KEN/98/2010	KEN10-98	663	660	0	99.55	0.45	I (NWZ)	unnamed
5	SAT1/KEN/96/2010	KEN10-96	663	659	0	99.40	0.60	I (NWZ)	unnamed
6	SAT1/KEN/1/2010	KEN10-01	663	657	0	99.10	0.90	I (NWZ)	Unnamed
7	SAT1/KEN/101/2010	KEN10101	663	657	0	99.10	0.90	I (NWZ)	unnamed
8	SAT1/KEN/114/2010	KEN10114	663	657	0	99.10	0.90	I (NWZ)	unnamed
9	SAT1/KEN/115/2010	KEN10115	663	657	0	99.10	0.90	I (NWZ)	unnamed
10	SAT1/KEN/12/2010	KEN10-12	663	657	0	99.10	0.90	I (NWZ)	Unnamed
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/T155/71	TAN71155	663	602	0	90.80	9.20	I (NWZ)	unnamed
2	SAT1/ZIM/23/2003	ZIM03-23	663	532	0	80.24	19.76	I (NWZ)	unnamed
3	SAT1/RV/11/37 (AY593839)	RHO37-11	663	514	0	77.53	22.47	II (SEZ)	unnamed
4	SAT1/RHO/5/66 (AY593846)	RHO66-05	663	513	0	77.38	22.62	II (SEZ)	unnamed
5	SAT1/SUD/3/76 (AY441996)	SUD76S03	663	513	0	77.38	22.62	VI	unnamed
6	SAT1/UGA BUFF/21/70 buffalo	UGA70-21	663	500	0	75.41	24.59	IV (EA-1)	unnamed
7	SAT1/BOT/1/68 (AY593845)	BOT68-C1	663	490	0	73.91	26.09	III (WZ)	unnamed
8	SAT1/BEC/1/48 (AY593838)	BEC48-01	663	486	0	73.30	26.70	III (WZ)	unnamed
9	SAT1/UGA/13/74 (AY442010)	UGA74S13	663	472	0	71.19	28.81	VII (EA-2)	unnamed
10	SAT1/UGA/1/97 (AY442012)	UGA97S01	663	470	0	70.89	29.11	VIII (EA-3)	unnamed

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v3.1

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

IAH-P-EP-MEG-FOR-005-3

Page 1 of 1

Serotype: SAT1 WRLFMD Ref No: KEN/121/2010 Batch No: WRLFMD/2010/00026 Sender Ref: K96/10 Location: Yatta, Kenya Date collected: 19/05/2010 Date received by WRLFMD: 10/06/2010 Date received for sequencing: 29/07/2010 Species: Cattle Material used: BTy1 Region sequenced: VP1 RT-PCR primers: SAT1-1C559F/SAT-2B208R SAT1U-OS/SAT-2B208R	Report date: 04/08/2010 Reported by: N.J. Knowles Checked by: V. Mioulet Topotype: I (NWZ) Genotype/strain: Unnamed Sequence filename: KEN10121.SEQ Date sequence last updated: 04/08/2010 No. of Nt determined: 663 No. of ambiguities: 0 Gene length: 663 Total no. of comparisons: 365 Min. no. of nt for comparison: 600 Total turn-around time: 55 days Sequencing time: 6 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/KEN/1/2010	KEN10-01	663	660	0	99.55	0.45	I (NWZ)	Unnamed
2	SAT1/KEN/106/2010	KEN10106	663	660	0	99.55	0.45	I (NWZ)	unnamed
3	SAT1/KEN/12/2010	KEN10-12	663	660	0	99.55	0.45	I (NWZ)	Unnamed
4	SAT1/KEN/13/2010	KEN10-13	663	660	0	99.55	0.45	I (NWZ)	Unnamed
5	SAT1/KEN/131/2010	KEN10131	663	660	0	99.55	0.45	I (NWZ)	unnamed
6	SAT1/KEN/4/2010	KEN10-04	663	660	0	99.55	0.45	I (NWZ)	Unnamed
7	SAT1/KEN/5/2010	KEN10-05	663	660	0	99.55	0.45	I (NWZ)	Unnamed
8	SAT1/KEN/6/2010	KEN10-06	663	660	0	99.55	0.45	I (NWZ)	Unnamed
9	SAT1/KEN/8/2010	KEN10-08	663	660	0	99.55	0.45	I (NWZ)	Unnamed
10	SAT1/KEN/10/2010	KEN10-10	663	659	0	99.40	0.60	I (NWZ)	Unnamed
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/T155/71	TAN71155	663	597	0	90.05	9.95	I (NWZ)	unnamed
2	SAT1/ZIM/23/2003	ZIM03-23	663	531	0	80.09	19.91	I (NWZ)	unnamed
3	SAT1/RV/11/37 (AY593839)	RHO37-11	663	515	0	77.68	22.32	II (SEZ)	unnamed
4	SAT1/SUD/3/76 (AY441996)	SUD76S03	663	511	0	77.07	22.93	VI	unnamed
5	SAT1/RHO/5/66 (AY593846)	RHO66-05	663	510	0	76.92	23.08	II (SEZ)	unnamed
6	SAT1/UGA BUFF/21/70 buffalo	UGA70-21	663	502	0	75.72	24.28	IV (EA-1)	unnamed
7	SAT1/BOT/1/68 (AY593845)	BOT68-C1	663	492	0	74.21	25.79	III (WZ)	unnamed
8	SAT1/BEC/1/48 (AY593838)	BEC48-01	663	482	0	72.70	27.30	III (WZ)	unnamed
9	SAT1/UGA/1/97 (AY442012)	UGA97S01	663	472	0	71.19	28.81	VIII (EA-3)	unnamed
10	SAT1/UGA/13/74 (AY442010)	UGA74S13	663	467	0	70.44	29.56	VII (EA-2)	unnamed

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v3.1

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

IAH-P-EP-MEG-FOR-005-3

Page 1 of 1

Serotype: SAT1	Report date: 04/08/2010
WRLFMD Ref No: KEN/122/2010	Reported by: N.J. Knowles
Batch No: WRLFMD/2010/00026	Checked by: V. Mioulet
Sender Ref: K97/10	
Location: Tigania West, Kenya	Topotype: I (NWZ)
Date collected: 19/05/2010	Genotype/strain: Unnamed
Date received by WRLFMD: 10/06/2010	Sequence filename: KEN10122.SEQ
Date received for sequencing: 29/07/2010	Date sequence last updated: 04/08/2010
Species: Cattle	No. of Nt determined: 663
Material used: BTy1	No. of ambiguities: 0
Region sequenced: VP1	Gene length: 663
RT-PCR primers: SAT1-1C559F/SAT-2B208R	Total no. of comparisons: 365
SAT1U-OS/SAT-2B208R	Min. no. of nt for comparison: 600
	Total turn-around time: 55 days
	Sequencing time: 6 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/KEN/1/2010	KEN10-01	663	660	0	99.55	0.45	I (NWZ)	Unnamed
2	SAT1/KEN/4/2010	KEN10-04	663	660	0	99.55	0.45	I (NWZ)	Unnamed
3	SAT1/KEN/5/2010	KEN10-05	663	660	0	99.55	0.45	I (NWZ)	Unnamed
4	SAT1/KEN/6/2010	KEN10-06	663	660	0	99.55	0.45	I (NWZ)	Unnamed
5	SAT1/KEN/8/2010	KEN10-08	663	660	0	99.55	0.45	I (NWZ)	Unnamed
6	SAT1/KEN/93/2010	KEN10-93	663	660	0	99.55	0.45	I (NWZ)	unnamed
7	SAT1/KEN/10/2010	KEN10-10	663	659	0	99.40	0.60	I (NWZ)	Unnamed
8	SAT1/KEN/101/2010	KEN10101	663	658	0	99.25	0.75	I (NWZ)	unnamed
9	SAT1/KEN/102/2010	KEN10102	663	658	0	99.25	0.75	I (NWZ)	unnamed
10	SAT1/KEN/106/2010	KEN10106	663	658	0	99.25	0.75	I (NWZ)	unnamed
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/T155/71	TAN71155	663	600	0	90.50	9.50	I (NWZ)	unnamed
2	SAT1/ZIM/23/2003	ZIM03-23	663	531	0	80.09	19.91	I (NWZ)	unnamed
3	SAT1/RV/11/37 (AY593839)	RHO37-11	663	513	0	77.38	22.62	II (SEZ)	unnamed
4	SAT1/RHO/5/66 (AY593846)	RHO66-05	663	512	0	77.22	22.78	II (SEZ)	unnamed
5	SAT1/SUD/3/76 (AY441996)	SUD76S03	663	511	0	77.07	22.93	VI	unnamed
6	SAT1/UGA BUFF/21/70 buffalo	UGA70-21	663	501	0	75.57	24.43	IV (EA-1)	unnamed
7	SAT1/BOT/1/68 (AY593845)	BOT68-C1	663	493	0	74.36	25.64	III (WZ)	unnamed
8	SAT1/BEC/1/48 (AY593838)	BEC48-01	663	487	0	73.45	26.55	III (WZ)	unnamed
9	SAT1/UGA/1/97 (AY442012)	UGA97S01	663	471	0	71.04	28.96	VIII (EA-3)	unnamed
10	SAT1/UGA/13/74 (AY442010)	UGA74S13	663	469	0	70.74	29.26	VII (EA-2)	unnamed

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v3.1

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

IAH-P-EP-MEG-FOR-005-3

Page 1 of 1

Serotype: SAT1 WRLFMD Ref No: KEN/123/2010 Batch No: WRLFMD/2010/00026 Sender Ref: K98/10 Location: Embu west, Kenya Date collected: 21/05/2010 Date received by WRLFMD: 10/06/2010 Date received for sequencing: 29/07/2010 Species: Cattle Material used: BTy1 Region sequenced: VP1 RT-PCR primers: SAT1-1C559F/SAT-2B208R SAT1U-OS/SAT-2B208R	Report date: 04/08/2010 Reported by: N.J. Knowles Checked by: V. Mioulet Topotype: I (NWZ) Genotype/strain: Unnamed Sequence filename: KEN10123.SEQ Date sequence last updated: 04/08/2010 No. of Nt determined: 663 No. of ambiguities: 0 Gene length: 663 Total no. of comparisons: 365 Min. no. of nt for comparison: 600 Total turn-around time: 55 days Sequencing time: 6 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/KEN/133/2010	KEN10133	663	663	0	100.00	0.00	I (NWZ)	unnamed
2	SAT1/KEN/12/2010	KEN10-12	663	659	0	99.40	0.60	I (NWZ)	Unnamed
3	SAT1/KEN/13/2010	KEN10-13	663	659	0	99.40	0.60	I (NWZ)	Unnamed
4	SAT1/KEN/71/2010	KEN10-71	663	658	0	99.25	0.75	I (NWZ)	Unnamed
5	SAT1/KEN/1/2010	KEN10-01	663	657	0	99.10	0.90	I (NWZ)	Unnamed
6	SAT1/KEN/107/2010	KEN10107	663	657	0	99.10	0.90	I (NWZ)	unnamed
7	SAT1/KEN/4/2010	KEN10-04	663	657	0	99.10	0.90	I (NWZ)	Unnamed
8	SAT1/KEN/5/2010	KEN10-05	663	657	0	99.10	0.90	I (NWZ)	Unnamed
9	SAT1/KEN/6/2010	KEN10-06	663	657	0	99.10	0.90	I (NWZ)	Unnamed
10	SAT1/KEN/76/2010	KEN10-76	663	657	0	99.10	0.90	I (NWZ)	Unnamed
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/T155/71	TAN71155	663	602	0	90.80	9.20	I (NWZ)	unnamed
2	SAT1/ZIM/23/2003	ZIM03-23	663	535	0	80.69	19.31	I (NWZ)	unnamed
3	SAT1/RV/11/37 (AY593839)	RHO37-11	663	513	0	77.38	22.62	II (SEZ)	unnamed
4	SAT1/RHO/5/66 (AY593846)	RHO66-05	663	510	0	76.92	23.08	II (SEZ)	unnamed
5	SAT1/SUD/3/76 (AY441996)	SUD76S03	663	510	0	76.92	23.08	VI	unnamed
6	SAT1/UGA BUFF/21/70 buffalo	UGA70-21	663	502	0	75.72	24.28	IV (EA-1)	unnamed
7	SAT1/BOT/1/68 (AY593845)	BOT68-C1	663	491	0	74.06	25.94	III (WZ)	unnamed
8	SAT1/BEC/1/48 (AY593838)	BEC48-01	663	484	0	73.00	27.00	III (WZ)	unnamed
9	SAT1/UGA/13/74 (AY442010)	UGA74S13	663	472	0	71.19	28.81	VII (EA-2)	unnamed
10	SAT1/UGA/1/97 (AY442012)	UGA97S01	663	471	0	71.04	28.96	VIII (EA-3)	unnamed

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v3.1

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

IAH-P-EP-MEG-FOR-005-3

Page 1 of 1

Serotype: SAT1	Report date: 04/08/2010
WRLFMD Ref No: KEN/124/2010	Reported by: N.J. Knowles
Batch No: WRLFMD/2010/00026	Checked by: V. Mioulet
Sender Ref: K100/10	
Location: Igembe North, Kenya	Topotype: I (NWZ)
Date collected: 24/05/2010	Genotype/strain: Unnamed
Date received by WRLFMD: 10/06/2010	Sequence filename: KEN10124.SEQ
Date received for sequencing: 29/07/2010	Date sequence last updated: 04/08/2010
Species: Cattle	No. of Nt determined: 663
Material used: BTy1	No. of ambiguities: 0
Region sequenced: VP1	Gene length: 663
RT-PCR primers: SAT1-1C559F/SAT-2B208R	Total no. of comparisons: 365
SAT1U-OS/SAT-2B208R	Min. no. of nt for comparison: 600
	Total turn-around time: 55 days
	Sequencing time: 6 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/KEN/12/2010	KEN10-12	663	660	0	99.55	0.45	I (NWZ)	Unnamed
2	SAT1/KEN/13/2010	KEN10-13	663	660	0	99.55	0.45	I (NWZ)	Unnamed
3	SAT1/KEN/71/2010	KEN10-71	663	659	0	99.40	0.60	I (NWZ)	Unnamed
4	SAT1/KEN/1/2010	KEN10-01	663	658	0	99.25	0.75	I (NWZ)	Unnamed
5	SAT1/KEN/107/2010	KEN10107	663	658	0	99.25	0.75	I (NWZ)	unnamed
6	SAT1/KEN/4/2010	KEN10-04	663	658	0	99.25	0.75	I (NWZ)	Unnamed
7	SAT1/KEN/5/2010	KEN10-05	663	658	0	99.25	0.75	I (NWZ)	Unnamed
8	SAT1/KEN/6/2010	KEN10-06	663	658	0	99.25	0.75	I (NWZ)	Unnamed
9	SAT1/KEN/76/2010	KEN10-76	663	658	0	99.25	0.75	I (NWZ)	Unnamed
10	SAT1/KEN/8/2010	KEN10-08	663	658	0	99.25	0.75	I (NWZ)	Unnamed
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/T155/71	TAN71155	663	600	0	90.50	9.50	I (NWZ)	unnamed
2	SAT1/ZIM/23/2003	ZIM03-23	663	532	0	80.24	19.76	I (NWZ)	unnamed
3	SAT1/RV/11/37 (AY593839)	RHO37-11	663	514	0	77.53	22.47	II (SEZ)	unnamed
4	SAT1/SUD/3/76 (AY441996)	SUD76S03	663	513	0	77.38	22.62	VI	unnamed
5	SAT1/RHO/5/66 (AY593846)	RHO66-05	663	511	0	77.07	22.93	II (SEZ)	unnamed
6	SAT1/UGA BUFF/21/70 buffalo	UGA70-21	663	502	0	75.72	24.28	IV (EA-1)	unnamed
7	SAT1/BOT/1/68 (AY593845)	BOT68-C1	663	491	0	74.06	25.94	III (WZ)	unnamed
8	SAT1/BEC/1/48 (AY593838)	BEC48-01	663	487	0	73.45	26.55	III (WZ)	unnamed
9	SAT1/UGA/1/97 (AY442012)	UGA97S01	663	472	0	71.19	28.81	VIII (EA-3)	unnamed
10	SAT1/UGA/13/74 (AY442010)	UGA74S13	663	469	0	70.74	29.26	VII (EA-2)	unnamed

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v3.1

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

IAH-P-EP-MEG-FOR-005-3

Page 1 of 1

Serotype: SAT1	Report date: 04/08/2010
WRLFMD Ref No: KEN/125/2010	Reported by: N.J. Knowles
Batch No: WRLFMD/2010/00026	Checked by: V. Mioulet
Sender Ref: K102/10	
Location: Kirinyaga, Kenya	Topotype: I (NWZ)
Date collected: 24/05/2010	Genotype/strain: Unnamed
Date received by WRLFMD: 10/06/2010	Sequence filename: KEN10125.SEQ
Date received for sequencing: 29/07/2010	Date sequence last updated: 04/08/2010
Species: Cattle	No. of Nt determined: 663
Material used: BTy1	No. of ambiguities: 0
Region sequenced: VP1	Gene length: 663
RT-PCR primers: SAT1-1C559F/SAT-2B208R	Total no. of comparisons: 365
SAT1U-OS/SAT-2B208R	Min. no. of nt for comparison: 600
	Total turn-around time: 55 days
	Sequencing time: 6 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/KEN/126/2010	KEN10126	663	663	0	100.00	0.00	I (NWZ)	unnamed
2	SAT1/KEN/1/2010	KEN10-01	663	660	0	99.55	0.45	I (NWZ)	Unnamed
3	SAT1/KEN/131/2010	KEN10131	663	660	0	99.55	0.45	I (NWZ)	unnamed
4	SAT1/KEN/132/2010	KEN10132	663	660	0	99.55	0.45	I (NWZ)	unnamed
5	SAT1/KEN/4/2010	KEN10-04	663	660	0	99.55	0.45	I (NWZ)	Unnamed
6	SAT1/KEN/5/2010	KEN10-05	663	660	0	99.55	0.45	I (NWZ)	Unnamed
7	SAT1/KEN/6/2010	KEN10-06	663	660	0	99.55	0.45	I (NWZ)	Unnamed
8	SAT1/KEN/8/2010	KEN10-08	663	660	0	99.55	0.45	I (NWZ)	Unnamed
9	SAT1/KEN/10/2010	KEN10-10	663	659	0	99.40	0.60	I (NWZ)	Unnamed
10	SAT1/KEN/113/2010	KEN10113	663	659	0	99.40	0.60	I (NWZ)	unnamed
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/T155/71	TAN71155	663	597	0	90.05	9.95	I (NWZ)	unnamed
2	SAT1/ZIM/23/2003	ZIM03-23	663	530	0	79.94	20.06	I (NWZ)	unnamed
3	SAT1/RV/11/37 (AY593839)	RHO37-11	663	511	0	77.07	22.93	II (SEZ)	unnamed
4	SAT1/SUD/3/76 (AY441996)	SUD76S03	663	511	0	77.07	22.93	VI	unnamed
5	SAT1/RHO/5/66 (AY593846)	RHO66-05	663	510	0	76.92	23.08	II (SEZ)	unnamed
6	SAT1/UGA BUFF/21/70 buffalo	UGA70-21	663	498	0	75.11	24.89	IV (EA-1)	unnamed
7	SAT1/BOT/1/68 (AY593845)	BOT68-C1	663	490	0	73.91	26.09	III (WZ)	unnamed
8	SAT1/BEC/1/48 (AY593838)	BEC48-01	663	486	0	73.30	26.70	III (WZ)	unnamed
9	SAT1/UGA/1/97 (AY442012)	UGA97S01	663	471	0	71.04	28.96	VIII (EA-3)	unnamed
10	SAT1/UGA/13/74 (AY442010)	UGA74S13	663	468	0	70.59	29.41	VII (EA-2)	unnamed

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v3.1

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

IAH-P-EP-MEG-FOR-005-3

Page 1 of 1

Serotype: SAT1	Report date: 04/08/2010
WRLFMD Ref No: KEN/126/2010	Reported by: N.J. Knowles
Batch No: WRLFMD/2010/00026	Checked by: V. Mioulet
Sender Ref: K102/10	
Location: Kirinyaga, Kenya	Topotype: I (NWZ)
Date collected: 24/05/2010	Genotype/strain: Unnamed
Date received by WRLFMD: 10/06/2010	Sequence filename: KEN10126.SEQ
Date received for sequencing: 29/07/2010	Date sequence last updated: 04/08/2010
Species: Cattle	No. of Nt determined: 663
Material used: BTy1	No. of ambiguities: 0
Region sequenced: VP1	Gene length: 663
RT-PCR primers: SAT1-1C559F/SAT-2B208R	Total no. of comparisons: 365
SAT1U-OS/SAT-2B208R	Min. no. of nt for comparison: 600
	Total turn-around time: 55 days
	Sequencing time: 6 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/KEN/125/2010	KEN10125	663	663	0	100.00	0.00	I (NWZ)	unnamed
2	SAT1/KEN/1/2010	KEN10-01	663	660	0	99.55	0.45	I (NWZ)	Unnamed
3	SAT1/KEN/131/2010	KEN10131	663	660	0	99.55	0.45	I (NWZ)	unnamed
4	SAT1/KEN/132/2010	KEN10132	663	660	0	99.55	0.45	I (NWZ)	unnamed
5	SAT1/KEN/4/2010	KEN10-04	663	660	0	99.55	0.45	I (NWZ)	Unnamed
6	SAT1/KEN/5/2010	KEN10-05	663	660	0	99.55	0.45	I (NWZ)	Unnamed
7	SAT1/KEN/6/2010	KEN10-06	663	660	0	99.55	0.45	I (NWZ)	Unnamed
8	SAT1/KEN/8/2010	KEN10-08	663	660	0	99.55	0.45	I (NWZ)	Unnamed
9	SAT1/KEN/10/2010	KEN10-10	663	659	0	99.40	0.60	I (NWZ)	Unnamed
10	SAT1/KEN/113/2010	KEN10113	663	659	0	99.40	0.60	I (NWZ)	unnamed
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/T155/71	TAN71155	663	597	0	90.05	9.95	I (NWZ)	unnamed
2	SAT1/ZIM/23/2003	ZIM03-23	663	530	0	79.94	20.06	I (NWZ)	unnamed
3	SAT1/RV/11/37 (AY593839)	RHO37-11	663	511	0	77.07	22.93	II (SEZ)	unnamed
4	SAT1/SUD/3/76 (AY441996)	SUD76S03	663	511	0	77.07	22.93	VI	unnamed
5	SAT1/RHO/5/66 (AY593846)	RHO66-05	663	510	0	76.92	23.08	II (SEZ)	unnamed
6	SAT1/UGA BUFF/21/70 buffalo	UGA70-21	663	498	0	75.11	24.89	IV (EA-1)	unnamed
7	SAT1/BOT/1/68 (AY593845)	BOT68-C1	663	490	0	73.91	26.09	III (WZ)	unnamed
8	SAT1/BEC/1/48 (AY593838)	BEC48-01	663	486	0	73.30	26.70	III (WZ)	unnamed
9	SAT1/UGA/1/97 (AY442012)	UGA97S01	663	471	0	71.04	28.96	VIII (EA-3)	unnamed
10	SAT1/UGA/13/74 (AY442010)	UGA74S13	663	468	0	70.59	29.41	VII (EA-2)	unnamed

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v3.1

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

IAH-P-EP-MEG-FOR-005-3

Page 1 of 1

Serotype: SAT1 WRLFMD Ref No: KEN/128/2010 Batch No: WRLFMD/2010/00026 Sender Ref: K105/10 Location: Embu East, Kenya Date collected: 26/05/2010 Date received by WRLFMD: 10/06/2010 Date received for sequencing: 29/07/2010 Species: Cattle Material used: BTy1 Region sequenced: VP1 RT-PCR primers: SAT1-1C559F/SAT-2B208R SAT1U-OS/SAT-2B208R	Report date: 04/08/2010 Reported by: N.J. Knowles Checked by: V. Mioulet Topotype: I (NWZ) Genotype/strain: Unnamed Sequence filename: KEN10128.SEQ Date sequence last updated: 04/08/2010 No. of Nt determined: 663 No. of ambiguities: 0 Gene length: 663 Total no. of comparisons: 365 Min. no. of nt for comparison: 600 Total turn-around time: 55 days Sequencing time: 6 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/KEN/12/2010	KEN10-12	663	659	0	99.40	0.60	I (NWZ)	Unnamed
2	SAT1/KEN/13/2010	KEN10-13	663	659	0	99.40	0.60	I (NWZ)	Unnamed
3	SAT1/KEN/71/2010	KEN10-71	663	658	0	99.25	0.75	I (NWZ)	Unnamed
4	SAT1/KEN/1/2010	KEN10-01	663	657	0	99.10	0.90	I (NWZ)	Unnamed
5	SAT1/KEN/107/2010	KEN10107	663	657	0	99.10	0.90	I (NWZ)	unnamed
6	SAT1/KEN/4/2010	KEN10-04	663	657	0	99.10	0.90	I (NWZ)	Unnamed
7	SAT1/KEN/5/2010	KEN10-05	663	657	0	99.10	0.90	I (NWZ)	Unnamed
8	SAT1/KEN/6/2010	KEN10-06	663	657	0	99.10	0.90	I (NWZ)	Unnamed
9	SAT1/KEN/76/2010	KEN10-76	663	657	0	99.10	0.90	I (NWZ)	Unnamed
10	SAT1/KEN/8/2010	KEN10-08	663	657	0	99.10	0.90	I (NWZ)	Unnamed
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/T155/71	TAN71155	663	598	0	90.20	9.80	I (NWZ)	unnamed
2	SAT1/ZIM/23/2003	ZIM03-23	663	531	0	80.09	19.91	I (NWZ)	unnamed
3	SAT1/RV/11/37 (AY593839)	RHO37-11	663	510	0	76.92	23.08	II (SEZ)	unnamed
4	SAT1/SUD/3/76 (AY441996)	SUD76S03	663	508	0	76.62	23.38	VI	unnamed
5	SAT1/RHO/5/66 (AY593846)	RHO66-05	663	507	0	76.47	23.53	II (SEZ)	unnamed
6	SAT1/UGA BUFF/21/70 buffalo	UGA70-21	663	499	0	75.26	24.74	IV (EA-1)	unnamed
7	SAT1/BOT/1/68 (AY593845)	BOT68-C1	663	491	0	74.06	25.94	III (WZ)	unnamed
8	SAT1/BEC/1/48 (AY593838)	BEC48-01	663	485	0	73.15	26.85	III (WZ)	unnamed
9	SAT1/UGA/13/74 (AY442010)	UGA74S13	663	470	0	70.89	29.11	VII (EA-2)	unnamed
10	SAT1/UGA/1/97 (AY442012)	UGA97S01	663	468	0	70.59	29.41	VIII (EA-3)	unnamed

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v3.1

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

IAH-P-EP-MEG-FOR-005-3

Page 1 of 1

Serotype: SAT1	Report date: 04/08/2010
WRLFMD Ref No: KEN/130/2010	Reported by: N.J. Knowles
Batch No: WRLFMD/2010/00026	Checked by: V. Mioulet
Sender Ref: K107/10	
Location: Muranga South, Kenya	Topotype: I (NWZ)
Date collected: 27/05/2010	Genotype/strain: Unnamed
Date received by WRLFMD: 10/06/2010	Sequence filename: KEN10130.SEQ
Date received for sequencing: 29/07/2010	Date sequence last updated: 04/08/2010
Species: Cattle	No. of Nt determined: 663
Material used: BTy1	No. of ambiguities: 0
Region sequenced: VP1	Gene length: 663
RT-PCR primers: SAT1-1C559F/SAT-2B208R	Total no. of comparisons: 365
SAT1U-OS/SAT-2B208R	Min. no. of nt for comparison: 600
	Total turn-around time: 55 days
	Sequencing time: 6 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/KEN/114/2010	KEN10114	663	663	0	100.00	0.00	I (NWZ)	unnamed
2	SAT1/KEN/1/2010	KEN10-01	663	661	0	99.70	0.30	I (NWZ)	Unnamed
3	SAT1/KEN/101/2010	KEN10101	663	661	0	99.70	0.30	I (NWZ)	unnamed
4	SAT1/KEN/14/2010	KEN10-14	663	661	0	99.70	0.30	I (NWZ)	Unnamed
5	SAT1/KEN/4/2010	KEN10-04	663	661	0	99.70	0.30	I (NWZ)	Unnamed
6	SAT1/KEN/5/2010	KEN10-05	663	661	0	99.70	0.30	I (NWZ)	Unnamed
7	SAT1/KEN/6/2010	KEN10-06	663	661	0	99.70	0.30	I (NWZ)	Unnamed
8	SAT1/KEN/8/2010	KEN10-08	663	661	0	99.70	0.30	I (NWZ)	Unnamed
9	SAT1/KEN/10/2010	KEN10-10	663	660	0	99.55	0.45	I (NWZ)	Unnamed
10	SAT1/KEN/72/2010	KEN10-72	663	660	0	99.55	0.45	I (NWZ)	Unnamed
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/T155/71	TAN71155	663	600	0	90.50	9.50	I (NWZ)	unnamed
2	SAT1/ZIM/23/2003	ZIM03-23	663	533	0	80.39	19.61	I (NWZ)	unnamed
3	SAT1/RV/11/37 (AY593839)	RHO37-11	663	515	0	77.68	22.32	II (SEZ)	unnamed
4	SAT1/RHO/5/66 (AY593846)	RHO66-05	663	512	0	77.22	22.78	II (SEZ)	unnamed
5	SAT1/SUD/3/76 (AY441996)	SUD76S03	663	512	0	77.22	22.78	VI	unnamed
6	SAT1/UGA BUFF/21/70 buffalo	UGA70-21	663	502	0	75.72	24.28	IV (EA-1)	unnamed
7	SAT1/BOT/1/68 (AY593845)	BOT68-C1	663	493	0	74.36	25.64	III (WZ)	unnamed
8	SAT1/BEC/1/48 (AY593838)	BEC48-01	663	486	0	73.30	26.70	III (WZ)	unnamed
9	SAT1/UGA/1/97 (AY442012)	UGA97S01	663	472	0	71.19	28.81	VIII (EA-3)	unnamed
10	SAT1/UGA/13/74 (AY442010)	UGA74S13	663	471	0	71.04	28.96	VII (EA-2)	unnamed

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v3.1

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

IAH-P-EP-MEG-FOR-005-3

Page 1 of 1

Serotype: SAT1	Report date: 04/08/2010
WRLFMD Ref No: KEN/131/2010	Reported by: N.J. Knowles
Batch No: WRLFMD/2010/00026	Checked by: V. Mioulet
Sender Ref: K108/10	
Location: Muranga South, Kenya	Topotype: I (NWZ)
Date collected: 27/05/2010	Genotype/strain: Unnamed
Date received by WRLFMD: 10/06/2010	Sequence filename: KEN10131.SEQ
Date received for sequencing: 29/07/2010	Date sequence last updated: 04/08/2010
Species: Cattle	No. of Nt determined: 663
Material used: BTy1	No. of ambiguities: 0
Region sequenced: VP1	Gene length: 663
RT-PCR primers: SAT1-1C559F/SAT-2B208R	Total no. of comparisons: 365
SAT1U-OS/SAT-2B208R	Min. no. of nt for comparison: 600
	Total turn-around time: 55 days
	Sequencing time: 6 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/KEN/113/2010	KEN10113	663	662	0	99.85	0.15	I (NWZ)	unnamed
2	SAT1/KEN/1/2010	KEN10-01	663	661	0	99.70	0.30	I (NWZ)	Unnamed
3	SAT1/KEN/106/2010	KEN10106	663	661	0	99.70	0.30	I (NWZ)	unnamed
4	SAT1/KEN/4/2010	KEN10-04	663	661	0	99.70	0.30	I (NWZ)	Unnamed
5	SAT1/KEN/5/2010	KEN10-05	663	661	0	99.70	0.30	I (NWZ)	Unnamed
6	SAT1/KEN/6/2010	KEN10-06	663	661	0	99.70	0.30	I (NWZ)	Unnamed
7	SAT1/KEN/8/2010	KEN10-08	663	661	0	99.70	0.30	I (NWZ)	Unnamed
8	SAT1/KEN/10/2010	KEN10-10	663	660	0	99.55	0.45	I (NWZ)	Unnamed
9	SAT1/KEN/104/2010	KEN10104	663	660	0	99.55	0.45	I (NWZ)	unnamed
10	SAT1/KEN/121/2010	KEN10121	663	660	0	99.55	0.45	I (NWZ)	unnamed
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/T155/71	TAN71155	663	598	0	90.20	9.80	I (NWZ)	unnamed
2	SAT1/ZIM/23/2003	ZIM03-23	663	532	0	80.24	19.76	I (NWZ)	unnamed
3	SAT1/RV/11/37 (AY593839)	RHO37-11	663	514	0	77.53	22.47	II (SEZ)	unnamed
4	SAT1/RHO/5/66 (AY593846)	RHO66-05	663	511	0	77.07	22.93	II (SEZ)	unnamed
5	SAT1/SUD/3/76 (AY441996)	SUD76S03	663	511	0	77.07	22.93	VI	unnamed
6	SAT1/UGA BUFF/21/70 buffalo	UGA70-21	663	501	0	75.57	24.43	IV (EA-1)	unnamed
7	SAT1/BOT/1/68 (AY593845)	BOT68-C1	663	491	0	74.06	25.94	III (WZ)	unnamed
8	SAT1/BEC/1/48 (AY593838)	BEC48-01	663	483	0	72.85	27.15	III (WZ)	unnamed
9	SAT1/UGA/1/97 (AY442012)	UGA97S01	663	471	0	71.04	28.96	VIII (EA-3)	unnamed
10	SAT1/UGA/13/74 (AY442010)	UGA74S13	663	468	0	70.59	29.41	VII (EA-2)	unnamed

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v3.1

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

IAH-P-EP-MEG-FOR-005-3

Page 1 of 1

Serotype: SAT1 WRLFMD Ref No: KEN/132/2010 Batch No: WRLFMD/2010/00026 Sender Ref: K109/10 Location: Kirinyaga, Kenya Date collected: 27/05/2010 Date received by WRLFMD: 10/06/2010 Date received for sequencing: 29/07/2010 Species: Cattle Material used: BTy1 Region sequenced: VP1 RT-PCR primers: SAT1-1C559F/SAT-2B208R SAT1U-OS/SAT-2B208R	Report date: 04/08/2010 Reported by: N.J. Knowles Checked by: V. Mioulet Topotype: I (NWZ) Genotype/strain: Unnamed Sequence filename: KEN10132.SEQ Date sequence last updated: 04/08/2010 No. of Nt determined: 663 No. of ambiguities: 0 Gene length: 663 Total no. of comparisons: 365 Min. no. of nt for comparison: 600 Total turn-around time: 55 days Sequencing time: 6 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/KEN/125/2010	KEN10125	663	660	0	99.55	0.45	I (NWZ)	unnamed
2	SAT1/KEN/126/2010	KEN10126	663	660	0	99.55	0.45	I (NWZ)	unnamed
3	SAT1/KEN/1/2010	KEN10-01	663	659	0	99.40	0.60	I (NWZ)	Unnamed
4	SAT1/KEN/4/2010	KEN10-04	663	659	0	99.40	0.60	I (NWZ)	Unnamed
5	SAT1/KEN/5/2010	KEN10-05	663	659	0	99.40	0.60	I (NWZ)	Unnamed
6	SAT1/KEN/6/2010	KEN10-06	663	659	0	99.40	0.60	I (NWZ)	Unnamed
7	SAT1/KEN/8/2010	KEN10-08	663	659	0	99.40	0.60	I (NWZ)	Unnamed
8	SAT1/KEN/10/2010	KEN10-10	663	658	0	99.25	0.75	I (NWZ)	Unnamed
9	SAT1/KEN/101/2010	KEN10101	663	657	0	99.10	0.90	I (NWZ)	unnamed
10	SAT1/KEN/106/2010	KEN10106	663	657	0	99.10	0.90	I (NWZ)	unnamed
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/T155/71	TAN71155	663	596	0	89.89	10.11	I (NWZ)	unnamed
2	SAT1/ZIM/23/2003	ZIM03-23	663	531	0	80.09	19.91	I (NWZ)	unnamed
3	SAT1/SUD/3/76 (AY441996)	SUD76S03	663	514	0	77.53	22.47	VI	unnamed
4	SAT1/RV/11/37 (AY593839)	RHO37-11	663	511	0	77.07	22.93	II (SEZ)	unnamed
5	SAT1/RHO/5/66 (AY593846)	RHO66-05	663	510	0	76.92	23.08	II (SEZ)	unnamed
6	SAT1/UGA BUFF/21/70 buffalo	UGA70-21	663	499	0	75.26	24.74	IV (EA-1)	unnamed
7	SAT1/BOT/1/68 (AY593845)	BOT68-C1	663	492	0	74.21	25.79	III (WZ)	unnamed
8	SAT1/BEC/1/48 (AY593838)	BEC48-01	663	486	0	73.30	26.70	III (WZ)	unnamed
9	SAT1/UGA/1/97 (AY442012)	UGA97S01	663	472	0	71.19	28.81	VIII (EA-3)	unnamed
10	SAT1/UGA/13/74 (AY442010)	UGA74S13	663	470	0	70.89	29.11	VII (EA-2)	unnamed

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v3.1

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

IAH-P-EP-MEG-FOR-005-3

Page 1 of 1

Serotype: SAT1 WRLFMD Ref No: KEN/133/2010 Batch No: WRLFMD/2010/00026 Sender Ref: K117/10 Location: Embu, Kenya Date collected: 06/06/2010 Date received by WRLFMD: 10/06/2010 Date received for sequencing: 29/07/2010 Species: Cattle Material used: BTy1 Region sequenced: VP1 RT-PCR primers: SAT1-1C559F/SAT-2B208R SAT1U-OS/SAT-2B208R	Report date: 04/08/2010 Reported by: N.J. Knowles Checked by: V. Mioulet Topotype: I (NWZ) Genotype/strain: Unnamed Sequence filename: KEN10133.SEQ Date sequence last updated: 04/08/2010 No. of Nt determined: 663 No. of ambiguities: 0 Gene length: 663 Total no. of comparisons: 365 Min. no. of nt for comparison: 600 Total turn-around time: 55 days Sequencing time: 6 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/KEN/123/2010	KEN10123	663	663	0	100.00	0.00	I (NWZ)	unnamed
2	SAT1/KEN/12/2010	KEN10-12	663	659	0	99.40	0.60	I (NWZ)	Unnamed
3	SAT1/KEN/13/2010	KEN10-13	663	659	0	99.40	0.60	I (NWZ)	Unnamed
4	SAT1/KEN/71/2010	KEN10-71	663	658	0	99.25	0.75	I (NWZ)	Unnamed
5	SAT1/KEN/1/2010	KEN10-01	663	657	0	99.10	0.90	I (NWZ)	Unnamed
6	SAT1/KEN/107/2010	KEN10107	663	657	0	99.10	0.90	I (NWZ)	unnamed
7	SAT1/KEN/4/2010	KEN10-04	663	657	0	99.10	0.90	I (NWZ)	Unnamed
8	SAT1/KEN/5/2010	KEN10-05	663	657	0	99.10	0.90	I (NWZ)	Unnamed
9	SAT1/KEN/6/2010	KEN10-06	663	657	0	99.10	0.90	I (NWZ)	Unnamed
10	SAT1/KEN/76/2010	KEN10-76	663	657	0	99.10	0.90	I (NWZ)	Unnamed
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	SAT1/T155/71	TAN71155	663	602	0	90.80	9.20	I (NWZ)	unnamed
2	SAT1/ZIM/23/2003	ZIM03-23	663	535	0	80.69	19.31	I (NWZ)	unnamed
3	SAT1/RV/11/37 (AY593839)	RHO37-11	663	513	0	77.38	22.62	II (SEZ)	unnamed
4	SAT1/RHO/5/66 (AY593846)	RHO66-05	663	510	0	76.92	23.08	II (SEZ)	unnamed
5	SAT1/SUD/3/76 (AY441996)	SUD76S03	663	510	0	76.92	23.08	VI	unnamed
6	SAT1/UGA BUFF/21/70 buffalo	UGA70-21	663	502	0	75.72	24.28	IV (EA-1)	unnamed
7	SAT1/BOT/1/68 (AY593845)	BOT68-C1	663	491	0	74.06	25.94	III (WZ)	unnamed
8	SAT1/BEC/1/48 (AY593838)	BEC48-01	663	484	0	73.00	27.00	III (WZ)	unnamed
9	SAT1/UGA/13/74 (AY442010)	UGA74S13	663	472	0	71.19	28.81	VII (EA-2)	unnamed
10	SAT1/UGA/1/97 (AY442012)	UGA97S01	663	471	0	71.04	28.96	VIII (EA-3)	unnamed

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v3.1

© Institute for Animal Health

Report on FMDV SAT 1 in Kenya in 2010

Batch: WRLFMD/2010/00026

Software: MEGA 4.0
 No. of Taxa : 204
 Data File : n:\evd\meg\db\fmvd\sat1\KEN2010a.meg
 Data Title : SAT1 Kenya 2010
 Data Type : Nucleotide (Coding)
 Analysis : Phylogeny reconstruction
 Tree Inference : =====
 ->Method : Neighbor-Joining
 ->Phylogeny Test and options : Bootstrap (1000 replicates; seed=80531)
 Include Sites : =====
 ->Gaps/Missing Data : Pairwise Deletion
 ->Codon Positions : 1st+2nd+3rd+Noncoding
 Substitution Model : =====
 ->Model : Nucleotide: Kimura 2-parameter
 ->Substitutions to Include : d: Transitions + Transversions
 ->Pattern among Lineages : Same (Homogeneous)
 ->Rates among sites : Uniform rates
 No. of Sites : 663
 No Of Bootstrap Reps = 1000
 Only bootstrap values of 70% and above are shown

* , not a WRLFMD Ref. No.

N.J. Knowles & J. Wadsworth, 04 August 2010

© Institute for Animal Health

