

Serotype: SAT2
WRL Ref No: BOT/1/2005
Sender Ref: BOT 08/05 Sample 1
Date collected: 13/08/2005
Date received by WRLFMD: 22/08/2005
Date received for sequencing: 23/08/2005
Species: Cattle
Material used: BTy1
Region sequenced: VP1
RT-PCR primers: SAT2-P1-1223F/SAT-2B208R
No. of Nt determined: 648
No. of ambiguities: 0
Gene length: 648

Report date: 12/09/2005
Topotype: none defined
Genotype/strain: none designated
Sequence filename: BOT05-01.SEQ
Date sequence last updated: 12/09/2005
Total no. of comparisons: 328
Min. no. of nt for comparison: 300
Total turn-around time: 21 days
Sequencing time: 20 days

Comments: See Supplemental Report for relationships between this batch of isolates.

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	SAT2/BOT/P3/98 (buff 29)	BOW98-15	366	325	6	88.8	11.2
2	SAT2/ZIM/10/2002	ZIM02-10	648	566	0	87.35	12.65
3	SAT2/ZIM/11/2002	ZIM02-11	648	564	0	87.04	12.96
4	SAT2/ZIM/1/2004 (BK plaque 1S)	ZIM04A01	648	563	0	86.88	13.12
5	SAT2/ZIM/1/2004 (BK plaque 10L)	ZIM04D01	647	562	1	86.86	13.14
6	SAT2/ZIM 10/02/2 (OVI)	ZIM02-AJ	489	418	0	85.48	14.52
7	SAT2/ZIM 9/02/2 (OVI)	ZIM02-AI	486	413	0	84.98	15.02
8	SAT2/BOT/P3/98 (buff 7)	BOW98-04	352	295	19	83.81	16.19
9	SAT2/RHO/1/48 [AJ251475]	ZAM48A01	648	537	0	82.87	17.13
10	SAT2/RHO/1/48 [AY593847]	ZAM48B01	648	537	0	82.87	17.13

Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	SAT2/RHO/1/48 [AJ251475]	ZAM48A01	648	537	0	82.87	17.13
2	SAT2/ZAM/3/81 (OVI)	ZAM81V03	198	164	6	82.83	17.17
3	SAT2/K65/82 (Kenya)	KEN82K65	648	512	0	79.01	20.99
4	SAT2/RSA/106/59 [AY593848]	RSA59--A	648	508	0	78.4	21.6
5	SAT2/K183/74 (Kenya)	KEN74183	648	506	0	78.09	21.91
6	SAT2/ZIM/7/83 [AF136607]	ZIM83A07	648	495	0	76.39	23.61
7	SAT2/K52/84 (A)	KEN84-AA	648	475	0	73.3	26.7
8	SAT2/KEN/11/60 [AY593849]	KEN60--A	648	473	0	72.99	27.01
9	SAT2/KEN/3/57	KEN57-03	648	467	0	72.07	27.93
10	SAT2/ZIM/9/89	ZIM89-09	218	153	1	70.18	29.82

nt, nucleotides

*, not a WRLFMD reference number

Serotype: SAT2	Report date: 12/09/2005
WRL Ref No: BOT/2/2005	
Sender Ref: BOT 08/05 Sample 2	
Date collected: 13/08/2005	
Date received by WRLFMD: 22/08/2005	
Date received for sequencing: 23/08/2005	Topotype: none defined
Species: Cattle	Genotype/strain: none designated
Material used: BTy1	Sequence filename: BOT05-02.SEQ
Region sequenced: VP1	Date sequence last updated: 12/09/2005
RT-PCR primers: SAT2-P1-1223F/SAT-2B208R	Total no. of comparisons: 328
No. of Nt determined: 648	Min. no. of nt for comparison: 300
No. of ambiguities: 0	Total turn-around time: 21 days
Gene length: 648	Sequencing time: 20 days

Comments: See Supplemental Report for relationships between this batch of isolates.

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	SAT2/BOT/P3/98 (buff 29)	BOW98-15	366	324	6	88.52	11.48
2	SAT2/ZIM/10/2002	ZIM02-10	648	567	0	87.5	12.5
3	SAT2/ZIM/11/2002	ZIM02-11	648	565	0	87.19	12.81
4	SAT2/ZIM/1/2004 (BK plaque 1S)	ZIM04A01	648	564	0	87.04	12.96
5	SAT2/ZIM/1/2004 (BK plaque 10L)	ZIM04D01	647	563	1	87.02	12.98
6	SAT2/ZIM 10/02/2 (OVI)	ZIM02-AJ	489	419	0	85.69	14.31
7	SAT2/ZIM 9/02/2 (OVI)	ZIM02-AI	486	414	0	85.19	14.81
8	SAT2/BOT/P3/98 (buff 7)	BOW98-04	352	294	19	83.52	16.48
9	SAT2/RHO/1/48 [AJ251475]	ZAM48A01	648	538	0	83.02	16.98
10	SAT2/RHO/1/48 [AY593847]	ZAM48B01	648	538	0	83.02	16.98

Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	SAT2/RHO/1/48 [AJ251475]	ZAM48A01	648	538	0	83.02	16.98
2	SAT2/ZAM/3/81 (OVI)	ZAM81V03	198	163	6	82.32	17.68
3	SAT2/K65/82 (Kenya)	KEN82K65	648	511	0	78.86	21.14
4	SAT2/RSA/106/59 [AY593848]	RSA59--A	648	509	0	78.55	21.45
5	SAT2/K183/74 (Kenya)	KEN74183	648	505	0	77.93	22.07
6	SAT2/ZIM/7/83 [AF136607]	ZIM83A07	648	496	0	76.54	23.46
7	SAT2/K52/84 (A)	KEN84-AA	648	475	0	73.3	26.7
8	SAT2/KEN/11/60 [AY593849]	KEN60--A	648	473	0	72.99	27.01
9	SAT2/KEN/3/57	KEN57-03	648	467	0	72.07	27.93
10	SAT2/ZIM/9/89	ZIM89-09	218	154	1	70.64	29.36

nt, nucleotides

*, not a WRLFMD reference number

Serotype: SAT2	Report date: 12/09/2005
WRL Ref No: BOT/3/2005	
Sender Ref: BOT 08/05 Sample 1 1st P/IRPI 14/8/05	
Date collected: 13/08/2005	Topotype: none defined
Date received by WRLFMD: 22/08/2005	Genotype/strain: none designated
Date received for sequencing: 23/08/2005	Sequence filename: BOT05-03.SEQ
Species: Cattle	Date sequence last updated: 12/09/2005
Material used: IRPI1 BTy1	Total no. of comparisons: 328
Region sequenced: VP1	Min. no. of nt for comparison: 300
RT-PCR primers: SAT2-P1-1223F/SAT-2B208R	Total turn-around time: 21 days
No. of Nt determined: 648	Sequencing time: 20 days
No. of ambiguities: 0	
Gene length: 648	

Comments: See Supplemental Report for relationships between this batch of isolates.

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	SAT2/BOT/P3/98 (buff 29)	BOW98-15	366	325	6	88.8	11.2
2	SAT2/ZIM/10/2002	ZIM02-10	648	566	0	87.35	12.65
3	SAT2/ZIM/11/2002	ZIM02-11	648	564	0	87.04	12.96
4	SAT2/ZIM/1/2004 (BK plaque 1S)	ZIM04A01	648	563	0	86.88	13.12
5	SAT2/ZIM/1/2004 (BK plaque 10L)	ZIM04D01	647	562	1	86.86	13.14
6	SAT2/ZIM 10/02/2 (OVI)	ZIM02-AJ	489	418	0	85.48	14.52
7	SAT2/ZIM 9/02/2 (OVI)	ZIM02-AI	486	413	0	84.98	15.02
8	SAT2/BOT/P3/98 (buff 7)	BOW98-04	352	295	19	83.81	16.19
9	SAT2/RHO/1/48 [AJ251475]	ZAM48A01	648	537	0	82.87	17.13
10	SAT2/RHO/1/48 [AY593847]	ZAM48B01	648	537	0	82.87	17.13

Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	SAT2/RHO/1/48 [AJ251475]	ZAM48A01	648	537	0	82.87	17.13
2	SAT2/ZAM/3/81 (OVI)	ZAM81V03	198	164	6	82.83	17.17
3	SAT2/K65/82 (Kenya)	KEN82K65	648	512	0	79.01	20.99
4	SAT2/RSA/106/59 [AY593848]	RSA59--A	648	508	0	78.4	21.6
5	SAT2/K183/74 (Kenya)	KEN74183	648	506	0	78.09	21.91
6	SAT2/ZIM/7/83 [AF136607]	ZIM83A07	648	495	0	76.39	23.61
7	SAT2/K52/84 (A)	KEN84-AA	648	475	0	73.3	26.7
8	SAT2/KEN/11/60 [AY593849]	KEN60--A	648	473	0	72.99	27.01
9	SAT2/KEN/3/57	KEN57-03	648	467	0	72.07	27.93
10	SAT2/ZIM/9/89	ZIM89-09	218	153	1	70.18	29.82

nt, nucleotides

*, not a WRLFMD reference number

Serotype: SAT2
WRL Ref No: BOT/4/2005
Sender Ref: BOT 08/05 Sample 2 1st P/IRPI
14/8/05
Date collected: 13/08/2005
Date received by WRLFMD: 22/08/2005
Date received for sequencing: 23/08/2005
Species: Cattle
Material used: IRPI1 BTy1
Region sequenced: VP1
RT-PCR primers: SAT2-P1-1223F/SAT-2B208R
No. of Nt determined: 648
No. of ambiguities: 0
Gene length: 648

Report date: 12/09/2005
Topotype: none defined
Genotype/strain: none designated
Sequence filename: BOT05-04.SEQ
Date sequence last updated: 12/09/2005
Total no. of comparisons: 328
Min. no. of nt for comparison: 300
Total turn-around time: 21 days
Sequencing time: 20 days

Comments: See Supplemental Report for relationships between this batch of isolates.

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	SAT2/BOT/P3/98 (buff 29)	BOW98-15	366	324	6	88.52	11.48
2	SAT2/ZIM/10/2002	ZIM02-10	648	567	0	87.5	12.5
3	SAT2/ZIM/11/2002	ZIM02-11	648	565	0	87.19	12.81
4	SAT2/ZIM/1/2004 (BK plaque 1S)	ZIM04A01	648	564	0	87.04	12.96
5	SAT2/ZIM/1/2004 (BK plaque 10L)	ZIM04D01	647	563	1	87.02	12.98
6	SAT2/ZIM 10/02/2 (OVI)	ZIM02-AJ	489	419	0	85.69	14.31
7	SAT2/ZIM 9/02/2 (OVI)	ZIM02-AI	486	414	0	85.19	14.81
8	SAT2/BOT/P3/98 (buff 7)	BOW98-04	352	294	19	83.52	16.48
9	SAT2/RHO/1/48 [AJ251475]	ZAM48A01	648	538	0	83.02	16.98
10	SAT2/RHO/1/48 [AY593847]	ZAM48B01	648	538	0	83.02	16.98

Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	SAT2/RHO/1/48 [AJ251475]	ZAM48A01	648	538	0	83.02	16.98
2	SAT2/ZAM/3/81 (OVI)	ZAM81V03	198	163	6	82.32	17.68
3	SAT2/K65/82 (Kenya)	KEN82K65	648	511	0	78.86	21.14
4	SAT2/RSA/106/59 [AY593848]	RSA59--A	648	509	0	78.55	21.45
5	SAT2/K183/74 (Kenya)	KEN74183	648	505	0	77.93	22.07
6	SAT2/ZIM/7/83 [AF136607]	ZIM83A07	648	496	0	76.54	23.46
7	SAT2/K52/84 (A)	KEN84-AA	648	475	0	73.3	26.7
8	SAT2/KEN/11/60 [AY593849]	KEN60--A	648	473	0	72.99	27.01
9	SAT2/KEN/3/57	KEN57-03	648	467	0	72.07	27.93
10	SAT2/ZIM/9/89	ZIM89-09	218	154	1	70.64	29.36

nt, nucleotides

*, not a WRLFMD reference number

Serotype: SAT2
WRL Ref No: BOT/5/2005
Sender Ref: BOT 08/05 Vesicle Fluid No. 1 1st P/IRPI
15/8/05
Date collected: 13/08/2005
Date received by WRLFMD: 22/08/2005
Date received for sequencing: 23/08/2005
Species: Cattle
Material used: IRPI1 BTy1
Region sequenced: VP1
RT-PCR primers: SAT2-P1-1223F/SAT-2B208R
No. of Nt determined: 648
No. of ambiguities: 0
Gene length: 648

Report date: 12/09/2005
Topotype: none defined
Genotype/strain: none designated
Sequence filename: BOT05-05.SEQ
Date sequence last updated: 12/09/2005
Total no. of comparisons: 328
Min. no. of nt for comparison: 300
Total turn-around time: 21 days
Sequencing time: 20 days

Comments: See Supplemental Report for relationships between this batch of isolates.

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	SAT2/BOT/P3/98 (buff 29)	BOW98-15	366	324	6	88.52	11.48
2	SAT2/ZIM/10/2002	ZIM02-10	648	566	0	87.35	12.65
3	SAT2/ZIM/11/2002	ZIM02-11	648	564	0	87.04	12.96
4	SAT2/ZIM/1/2004 (BK plaque 1S)	ZIM04A01	648	563	0	86.88	13.12
5	SAT2/ZIM/1/2004 (BK plaque 10L)	ZIM04D01	647	562	1	86.86	13.14
6	SAT2/ZIM 10/02/2 (OVI)	ZIM02-AJ	489	418	0	85.48	14.52
7	SAT2/ZIM 9/02/2 (OVI)	ZIM02-AI	486	413	0	84.98	15.02
8	SAT2/BOT/P3/98 (buff 7)	BOW98-04	352	294	19	83.52	16.48
9	SAT2/RHO/1/48 [AJ251475]	ZAM48A01	648	537	0	82.87	17.13
10	SAT2/RHO/1/48 [AY593847]	ZAM48B01	648	537	0	82.87	17.13

Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	SAT2/RHO/1/48 [AJ251475]	ZAM48A01	648	537	0	82.87	17.13
2	SAT2/ZAM/3/81 (OVI)	ZAM81V03	198	163	6	82.32	17.68
3	SAT2/K65/82 (Kenya)	KEN82K65	648	512	0	79.01	20.99
4	SAT2/RSA/106/59 [AY593848]	RSA59--A	648	508	0	78.4	21.6
5	SAT2/K183/74 (Kenya)	KEN74183	648	506	0	78.09	21.91
6	SAT2/ZIM/7/83 [AF136607]	ZIM83A07	648	495	0	76.39	23.61
7	SAT2/K52/84 (A)	KEN84-AA	648	476	0	73.46	26.54
8	SAT2/KEN/11/60 [AY593849]	KEN60--A	648	474	0	73.15	26.85
9	SAT2/KEN/3/57	KEN57-03	648	468	0	72.22	27.78
10	SAT2/ZIM/9/89	ZIM89-09	218	154	1	70.64	29.36

nt, nucleotides

*, not a WRLFMD reference number

Serotype: SAT2
WRL Ref No: BOT/6/2005
Sender Ref: BOT 08/05 Vesicle Fluid No. 2 1st P/IRPI
15/8/05
Date collected: 13/08/2005
Date received by WRLFMD: 22/08/2005
Date received for sequencing: 23/08/2005
Species: Cattle
Material used: IRPI1 BTy1
Region sequenced: VP1
RT-PCR primers: SAT2-P1-1223F/SAT-2B208R
No. of Nt determined: 648
No. of ambiguities: 0
Gene length: 648

Report date: 12/09/2005
Topotype: none defined
Genotype/strain: none designated
Sequence filename: BOT05-06.SEQ
Date sequence last updated: 12/09/2005
Total no. of comparisons: 328
Min. no. of nt for comparison: 300
Total turn-around time: 21 days
Sequencing time: 20 days

Comments: See Supplemental Report for relationships between this batch of isolates.

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	SAT2/BOT/P3/98 (buff 29)	BOW98-15	366	325	6	88.8	11.2
2	SAT2/ZIM/10/2002	ZIM02-10	648	566	0	87.35	12.65
3	SAT2/ZIM/11/2002	ZIM02-11	648	564	0	87.04	12.96
4	SAT2/ZIM/1/2004 (BK plaque 1S)	ZIM04A01	648	563	0	86.88	13.12
5	SAT2/ZIM/1/2004 (BK plaque 10L)	ZIM04D01	647	562	1	86.86	13.14
6	SAT2/ZIM 10/02/2 (OVI)	ZIM02-AJ	489	418	0	85.48	14.52
7	SAT2/ZIM 9/02/2 (OVI)	ZIM02-AI	486	413	0	84.98	15.02
8	SAT2/BOT/P3/98 (buff 7)	BOW98-04	352	295	19	83.81	16.19
9	SAT2/RHO/1/48 [AJ251475]	ZAM48A01	648	537	0	82.87	17.13
10	SAT2/RHO/1/48 [AY593847]	ZAM48B01	648	537	0	82.87	17.13

Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	SAT2/RHO/1/48 [AJ251475]	ZAM48A01	648	537	0	82.87	17.13
2	SAT2/ZAM/3/81 (OVI)	ZAM81V03	198	164	6	82.83	17.17
3	SAT2/K65/82 (Kenya)	KEN82K65	648	512	0	79.01	20.99
4	SAT2/RSA/106/59 [AY593848]	RSA59--A	648	508	0	78.4	21.6
5	SAT2/K183/74 (Kenya)	KEN74183	648	506	0	78.09	21.91
6	SAT2/ZIM/7/83 [AF136607]	ZIM83A07	648	495	0	76.39	23.61
7	SAT2/K52/84 (A)	KEN84-AA	648	475	0	73.3	26.7
8	SAT2/KEN/11/60 [AY593849]	KEN60--A	648	473	0	72.99	27.01
9	SAT2/KEN/3/57	KEN57-03	648	467	0	72.07	27.93
10	SAT2/ZIM/9/89	ZIM89-09	218	153	1	70.18	29.82

nt, nucleotides

*, not a WRLFMD reference number

Serotype: SAT2
WRL Ref No: BOT/7/2005
Sender Ref: BOT 08/05 Vesicle Fluid No. 1 2nd P/IRPI
16/8/05
Date collected: 13/08/2005
Date received by WRLFMD: 22/08/2005
Date received for sequencing: 23/08/2005
Species: Cattle
Material used: IRPI1 BTy1
Region sequenced: VP1
RT-PCR primers: SAT2-P1-1223F/SAT-2B208R
No. of Nt determined: 648
No. of ambiguities: 0
Gene length: 648

Report date: 12/09/2005
Topotype: none defined
Genotype/strain: none designated
Sequence filename: BOT05-07.SEQ
Date sequence last updated: 12/09/2005
Total no. of comparisons: 328
Min. no. of nt for comparison: 300
Total turn-around time: 21 days
Sequencing time: 20 days

Comments: See Supplemental Report for relationships between this batch of isolates.

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	SAT2/BOT/P3/98 (buff 29)	BOW98-15	366	324	6	88.52	11.48
2	SAT2/ZIM/10/2002	ZIM02-10	648	566	0	87.35	12.65
3	SAT2/ZIM/11/2002	ZIM02-11	648	564	0	87.04	12.96
4	SAT2/ZIM/1/2004 (BK plaque 1S)	ZIM04A01	648	563	0	86.88	13.12
5	SAT2/ZIM/1/2004 (BK plaque 10L)	ZIM04D01	647	562	1	86.86	13.14
6	SAT2/ZIM 10/02/2 (OVI)	ZIM02-AJ	489	418	0	85.48	14.52
7	SAT2/ZIM 9/02/2 (OVI)	ZIM02-AI	486	413	0	84.98	15.02
8	SAT2/BOT/P3/98 (buff 7)	BOW98-04	352	294	19	83.52	16.48
9	SAT2/RHO/1/48 [AJ251475]	ZAM48A01	648	537	0	82.87	17.13
10	SAT2/RHO/1/48 [AY593847]	ZAM48B01	648	537	0	82.87	17.13

Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	SAT2/RHO/1/48 [AJ251475]	ZAM48A01	648	537	0	82.87	17.13
2	SAT2/ZAM/3/81 (OVI)	ZAM81V03	198	163	6	82.32	17.68
3	SAT2/K65/82 (Kenya)	KEN82K65	648	512	0	79.01	20.99
4	SAT2/RSA/106/59 [AY593848]	RSA59--A	648	508	0	78.4	21.6
5	SAT2/K183/74 (Kenya)	KEN74183	648	506	0	78.09	21.91
6	SAT2/ZIM/7/83 [AF136607]	ZIM83A07	648	495	0	76.39	23.61
7	SAT2/K52/84 (A)	KEN84-AA	648	476	0	73.46	26.54
8	SAT2/KEN/11/60 [AY593849]	KEN60--A	648	474	0	73.15	26.85
9	SAT2/KEN/3/57	KEN57-03	648	468	0	72.22	27.78
10	SAT2/ZIM/9/89	ZIM89-09	218	154	1	70.64	29.36

nt, nucleotides

*, not a WRLFMD reference number

Serotype: SAT2	Report date: 12/09/2005
WRL Ref No: BOT/8/2005	
Sender Ref: BOT 08/05 Sample 1 2nd P/IRPI 16/8/05	Topotype: none defined
Date collected: 13/08/2005	Genotype/strain: none designated
Date received by WRLFMD: 22/08/2005	Sequence filename: BOT05-08.SEQ
Date received for sequencing: 23/08/2005	Date sequence last updated: 12/09/2005
Species: Cattle	Total no. of comparisons: 328
Material used: IRPI1 BTy1	Min. no. of nt for comparison: 300
Region sequenced: VP1	Total turn-around time: 21 days
RT-PCR primers: SAT2-P1-1223F/SAT-2B208R	Sequencing time: 20 days
No. of Nt determined: 648	
No. of ambiguities: 0	
Gene length: 648	

Comments: See Supplemental Report for relationships between this batch of isolates.

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	SAT2/BOT/P3/98 (buff 29)	BOW98-15	366	325	6	88.8	11.2
2	SAT2/ZIM/10/2002	ZIM02-10	648	566	0	87.35	12.65
3	SAT2/ZIM/11/2002	ZIM02-11	648	564	0	87.04	12.96
4	SAT2/ZIM/1/2004 (BK plaque 1S)	ZIM04A01	648	563	0	86.88	13.12
5	SAT2/ZIM/1/2004 (BK plaque 10L)	ZIM04D01	647	562	1	86.86	13.14
6	SAT2/ZIM 10/02/2 (OVI)	ZIM02-AJ	489	418	0	85.48	14.52
7	SAT2/ZIM 9/02/2 (OVI)	ZIM02-AI	486	413	0	84.98	15.02
8	SAT2/BOT/P3/98 (buff 7)	BOW98-04	352	295	19	83.81	16.19
9	SAT2/RHO/1/48 [AJ251475]	ZAM48A01	648	537	0	82.87	17.13
10	SAT2/RHO/1/48 [AY593847]	ZAM48B01	648	537	0	82.87	17.13

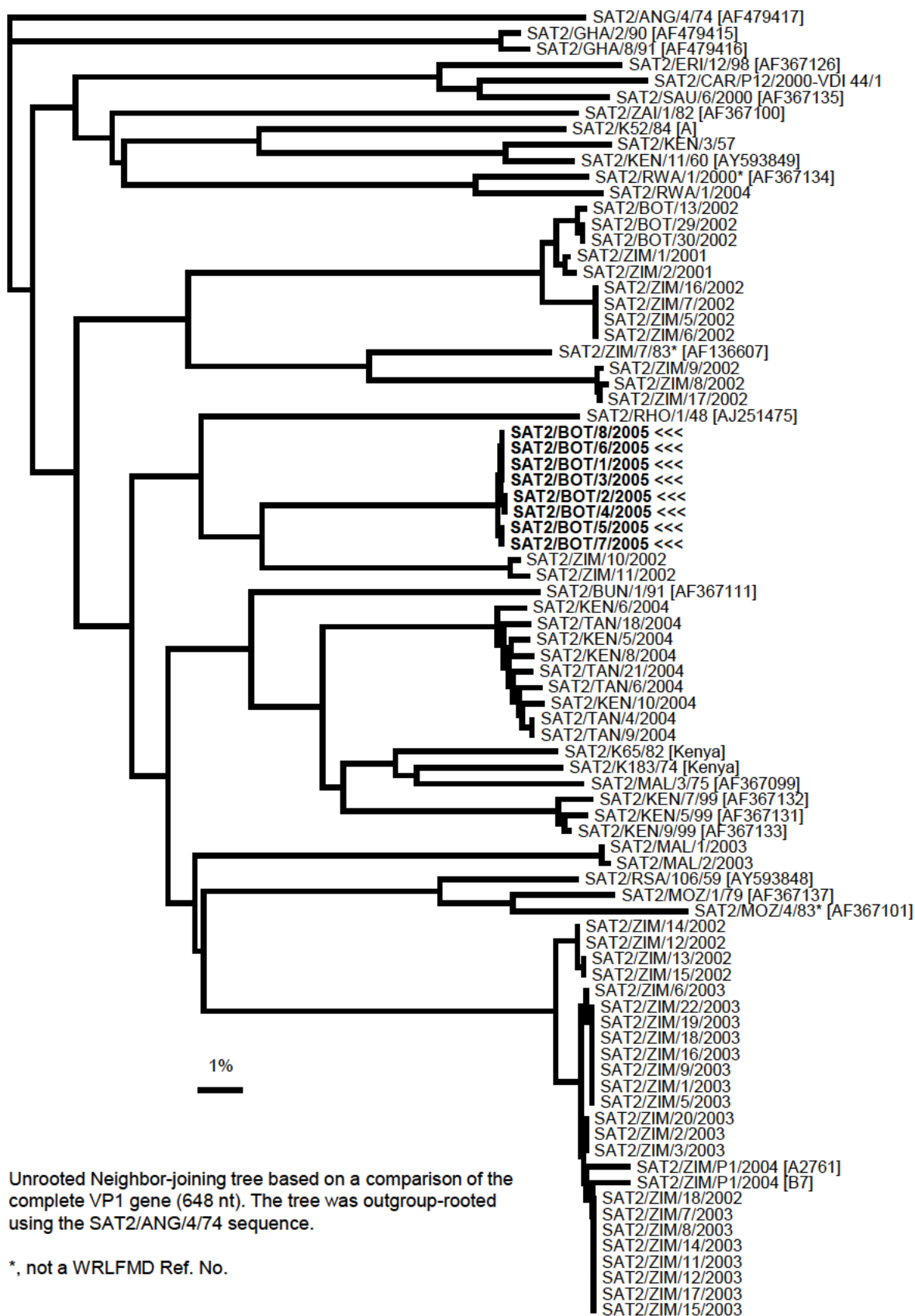
Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	SAT2/RHO/1/48 [AJ251475]	ZAM48A01	648	537	0	82.87	17.13
2	SAT2/ZAM/3/81 (OVI)	ZAM81V03	198	164	6	82.83	17.17
3	SAT2/K65/82 (Kenya)	KEN82K65	648	512	0	79.01	20.99
4	SAT2/RSA/106/59 [AY593848]	RSA59--A	648	508	0	78.4	21.6
5	SAT2/K183/74 (Kenya)	KEN74183	648	506	0	78.09	21.91
6	SAT2/ZIM/7/83 [AF136607]	ZIM83A07	648	495	0	76.39	23.61
7	SAT2/K52/84 (A)	KEN84-AA	648	475	0	73.3	26.7
8	SAT2/KEN/11/60 [AY593849]	KEN60--A	648	473	0	72.99	27.01
9	SAT2/KEN/3/57	KEN57-03	648	467	0	72.07	27.93
10	SAT2/ZIM/9/89	ZIM89-09	218	153	1	70.18	29.82

nt, nucleotides

*, not a WRLFMD reference number

Final report on FMDV SAT 2 isolates from Botswana in 2005



Unrooted Neighbor-joining tree based on a comparison of the complete VP1 gene (648 nt). The tree was outgroup-rooted using the SAT2/ANG/4/74 sequence.

*, not a WRLFMD Ref. No.