

Serotype: O	Report date: 05/09/2005
WRL Ref No: SAU/4/2005	
Sender Ref: 127	
Date collected: Apr-2005	
Date received by WRLFMD: 20/06/2005	Topotype: ME-SA
Date received for sequencing: 01/07/2005	Genotype/strain: PanAsia
Species: Bovine	Sequence filename: SAU05-04.SEQ
Material used: BTy1	Date sequence last updated: 20/07/2005
Region sequenced: VP1	Total no. of comparisons: 1718
RT-PCR primers: O-1C272F/EUR-2B52R	Min. no. of nt for comparison: 300
No. of Nt determined: 639	Total turn-around time: 77 days
No. of ambiguities: 0	Sequencing time: 66 days
Gene length: 639	

Comments: see attached report for comparisons within the Saudi Arabian FMD O viruses isolated in 2005.

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/SKR/2000 (AF428246)	SKR00-AC	639	612	0	95.77	4.23
2	O/BAR/8/98	BAR98-08	639	612	0	95.77	4.23
3	O/SKR/2000 (AJ539139)	SKR00-AA	639	612	0	95.77	4.23
4	O/LEB/14/98	LEB98-14	614	588	3	95.77	4.23
5	O/LEB/17/98	LEB98-17	624	597	3	95.67	4.33
6	O/BAR/1/99	BAR99-01	323	309	0	95.67	4.33
7	O/IND/146/98* [IVRI]	IND98-AW	639	611	0	95.62	4.38
8	O/NEP/4/98	NEP98-04	639	611	0	95.62	4.38
9	O/Tibet/CHA/3/99	CHA99-03	639	611	0	95.62	4.38
10	O/SKR/2000 (AY593824)	SKR00-AD	639	611	0	95.62	4.38

Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/TAW/2/99	TAW99-02	639	609	0	95.31	4.69
2	O1/Manisa/TUR/69	TUR69--E	639	573	0	89.67	10.33
3	O/IND/53/79 [AF292107]	IND79A53	639	567	0	88.73	11.27
4	O/IND/R2/75* [AF204276]	IND75--A	639	566	0	88.58	11.42
5	O/MOR/1/91	MOR91-01	639	561	0	87.79	12.21
6	O/TAI/189/87* [TRRL]	TAI87-AC	639	561	0	87.79	12.21
7	O/ISR/2/88	ISR88-02	639	559	0	87.48	12.52
8	O/PHI/5/95	PHI95-05	639	522	0	81.69	18.31
9	O/HKN/6/83	HKN83-06	637	517	2	81.16	18.84
10	O1/BFS 1860/UK/67	UKG67--A	639	513	0	80.28	19.72

nt, nucleotides

*, not a WRLFMD reference number

Serotype: O Report date: 05/09/2005
WRL Ref No: SAU/5/2005
Sender Ref: 132
Date collected: Apr-2005
Date received by WRLFMD: 20/06/2005 Topotype: ME-SA
Date received for sequencing: 01/07/2005 Genotype/strain: PanAsia
Species: Bovine Sequence filename: SAU05-05.SEQ
Material used: BTy1 Date sequence last updated: 18/07/2005
Region sequenced: VP1 Total no. of comparisons: 1718
RT-PCR primers: O-1C272F/EUR-2B52R Min. no. of nt for comparison: 300
No. of Nt determined: 639 Total turn-around time: 77 days
No. of ambiguities: 0 Sequencing time: 66 days
Gene length: 639

Comments: see attached report for comparisons within the Saudi Arabian FMD O viruses isolated in 2005.

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/BAR/1/99	BAR99-01	323	309	0	95.67	4.33
2	O/SKR/2000 (AF428246)	SKR00-AC	639	611	0	95.62	4.38
3	O/BAR/8/98	BAR98-08	639	611	0	95.62	4.38
4	O/SKR/2000 (AJ539139)	SKR00-AA	639	611	0	95.62	4.38
5	O/LEB/14/98	LEB98-14	614	587	3	95.6	4.4
6	O/LEB/17/98	LEB98-17	624	596	3	95.51	4.49
7	O/IND/146/98* [IVRI]	IND98-AW	639	610	0	95.46	4.54
8	O/NEP/4/98	NEP98-04	639	610	0	95.46	4.54
9	O/BAR/6/99	BAR99-06	639	610	0	95.46	4.54
10	O/Tibet/CHA/3/99	CHA99-03	639	610	0	95.46	4.54

Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/TAW/2/99	TAW99-02	639	608	0	95.15	4.85
2	O1/Manisa/TUR/69	TUR69--E	639	574	0	89.83	10.17
3	O/IND/53/79 [AF292107]	IND79A53	639	567	0	88.73	11.27
4	O/IND/R2/75* [AF204276]	IND75--A	639	565	0	88.42	11.58
5	O/MOR/1/91	MOR91-01	639	560	0	87.64	12.36
6	O/TAI/189/87* [TRRL]	TAI87-AC	639	560	0	87.64	12.36
7	O/ISR/2/88	ISR88-02	639	558	0	87.32	12.68
8	O/PHI/5/95	PHI95-05	639	521	0	81.53	18.47
9	O/HKN/6/83	HKN83-06	637	516	2	81	19
10	O1/BFS 1860/UK/67	UKG67--A	639	514	0	80.44	19.56

nt, nucleotides

*, not a WRLFMD reference number

Serotype: O	Report date: 05/09/2005
WRL Ref No: SAU/6/2005	
Sender Ref: 174	
Date collected: Apr-2005	
Date received by WRLFMD: 20/06/2005	Topotype: ME-SA
Date received for sequencing: 01/07/2005	Genotype/strain: PanAsia
Species: Bovine	Sequence filename: SAU05-06.SEQ
Material used: BTy1	Date sequence last updated: 26/07/2005
Region sequenced: VP1	Total no. of comparisons: 1718
RT-PCR primers: O-1C272F/EUR-2B52R	Min. no. of nt for comparison: 300
No. of Nt determined: 639	Total turn-around time: 77 days
No. of ambiguities: 0	Sequencing time: 66 days
Gene length: 639	

Comments: see attached report for comparisons within the Saudi Arabian FMD O viruses isolated in 2005.

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/BAR/1/99	BAR99-01	323	309	0	95.67	4.33
2	O/SKR/2000 (AF428246)	SKR00-AC	639	610	0	95.46	4.54
3	O/BAR/8/98	BAR98-08	639	610	0	95.46	4.54
4	O/SKR/2000 (AJ539139)	SKR00-AA	639	610	0	95.46	4.54
5	O/LEB/14/98	LEB98-14	614	586	3	95.44	4.56
6	O/LEB/17/98	LEB98-17	624	595	3	95.35	4.65
7	O/IND/146/98* [IVRI]	IND98-AW	639	609	0	95.31	4.69
8	O/NEP/4/98	NEP98-04	639	609	0	95.31	4.69
9	O/BAR/6/99	BAR99-06	639	609	0	95.31	4.69
10	O/Tibet/CHA/3/99	CHA99-03	639	609	0	95.31	4.69

Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/TAW/2/99	TAW99-02	639	607	0	94.99	5.01
2	O1/Manisa/TUR/69	TUR69--E	639	573	0	89.67	10.33
3	O/IND/53/79 [AF292107]	IND79A53	639	567	0	88.73	11.27
4	O/IND/R2/75* [AF204276]	IND75--A	639	564	0	88.26	11.74
5	O/TAI/189/87* [TRRL]	TAI87-AC	639	561	0	87.79	12.21
6	O/MOR/1/91	MOR91-01	639	559	0	87.48	12.52
7	O/ISR/2/88	ISR88-02	639	557	0	87.17	12.83
8	O/PHI/5/95	PHI95-05	639	522	0	81.69	18.31
9	O/HKN/6/83	HKN83-06	637	517	2	81.16	18.84
10	O1/BFS 1860/UK/67	UKG67--A	639	513	0	80.28	19.72

nt, nucleotides

*, not a WRLFMD reference number

Serotype: O
WRL Ref No: SAU/7/2005
Sender Ref: 199
Date collected: Apr-2005
Date received by WRLFMD: 20/06/2005
Date received for sequencing: 01/07/2005
Species: Bovine
Material used: BTy2
Region sequenced: VP1
RT-PCR primers: O-1C272F/EUR-2B52R
No. of Nt determined: 639
No. of ambiguities: 0
Gene length: 639

Report date: 05/09/2005
Topotype: ME-SA
Genotype/strain: PanAsia
Sequence filename: SAU05-07.SEQ
Date sequence last updated: 26/07/2005
Total no. of comparisons: 1718
Min. no. of nt for comparison: 300
Total turn-around time: 77 days
Sequencing time: 66 days

Comments: see attached report for comparisons within the Saudi Arabian FMD O viruses isolated in 2005.

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/BAR/6/99	BAR99-06	639	609	0	95.31	4.69
2	O/BAR/8/98	BAR98-08	639	608	0	95.15	4.85
3	O/IND/5/00* [1999;IVRI]	IND99-AR	639	608	0	95.15	4.85
4	O/SKR/2000 (AJ539139)	SKR00-AA	639	608	0	95.15	4.85
5	O/SKR/2000 (AF428246)	SKR00-AC	639	608	0	95.15	4.85
6	O/LEB/14/98	LEB98-14	614	584	3	95.11	4.89
7	O/BAR/1/99	BAR99-01	323	307	0	95.05	4.95
8	O/LEB/17/98	LEB98-17	624	593	3	95.03	4.97
9	O/TAW/2/99	TAW99-02	639	607	0	94.99	5.01
10	O/SKR/2000 (AY593824)	SKR00-AD	639	607	0	94.99	5.01

Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/TAW/2/99	TAW99-02	639	607	0	94.99	5.01
2	O1/Manisa/TUR/69	TUR69--E	639	575	0	89.98	10.02
3	O/IND/R2/75* [AF204276]	IND75--A	639	566	0	88.58	11.42
4	O/IND/53/79 [AF292107]	IND79A53	639	566	0	88.58	11.42
5	O/MOR/1/91	MOR91-01	639	559	0	87.48	12.52
6	O/TAI/189/87* [TRRL]	TAI87-AC	639	559	0	87.48	12.52
7	O/ISR/2/88	ISR88-02	639	559	0	87.48	12.52
8	O/PHI/5/95	PHI95-05	639	522	0	81.69	18.31
9	O/HKN/6/83	HKN83-06	637	519	2	81.48	18.52
10	O1/BFS 1860/UK/67	UKG67--A	639	513	0	80.28	19.72

nt, nucleotides

*, not a WRLFMD reference number

Serotype: O	Report date: 05/09/2005						
WRL Ref No: SAU/8/2005							
Sender Ref: 202							
Date collected: May-2005							
Date received by WRLFMD: 20/06/2005	Topotype: ME-SA						
Date received for sequencing: 01/07/2005	Genotype/strain: PanAsia						
Species: Bovine	Sequence filename: SAU05-08.SEQ						
Material used: BTy1	Date sequence last updated: 30/08/2005						
Region sequenced: VP1	Total no. of comparisons: 1718						
RT-PCR primers: O-1C272F/EUR-2B52R	Min. no. of nt for comparison: 300						
No. of Nt determined: 639	Total turn-around time: 77 days						
No. of ambiguities: 0	Sequencing time: 66 days						
Gene length: 639							
Comments: see attached report for comparisons within the Saudi Arabian FMD O viruses isolated in 2005.							
Ten Most Closely Related Viruses							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/BAR/1/99	BAR99-01	323	309	0	95.67	4.33
2	O/SKR/2000 (AF428246)	SKR00-AC	639	610	0	95.46	4.54
3	O/BAR/8/98	BAR98-08	639	610	0	95.46	4.54
4	O/SKR/2000 (AJ539139)	SKR00-AA	639	610	0	95.46	4.54
5	O/LEB/14/98	LEB98-14	614	586	3	95.44	4.56
6	O/YEM/6/98	YEM98-06	413	394	31	95.4	4.6
7	O/LEB/17/98	LEB98-17	624	595	3	95.35	4.65
8	O/NEP/4/98	NEP98-04	639	609	0	95.31	4.69
9	O/BAR/6/99	BAR99-06	639	609	0	95.31	4.69
10	O/Tibet/CHA/3/99	CHA99-03	639	609	0	95.31	4.69
Relationships to Reference Virus Strains							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/TAW/2/99	TAW99-02	639	607	0	94.99	5.01
2	O1/Manisa/TUR/69	TUR69--E	639	574	0	89.83	10.17
3	O/IND/53/79 [AF292107]	IND79A53	639	567	0	88.73	11.27
4	O/IND/R2/75* [AF204276]	IND75--A	639	565	0	88.42	11.58
5	O/MOR/1/91	MOR91-01	639	560	0	87.64	12.36
6	O/TAI/189/87* [TRRL]	TAI87-AC	639	560	0	87.64	12.36
7	O/ISR/2/88	ISR88-02	639	558	0	87.32	12.68
8	O/PHI/5/95	PHI95-05	639	521	0	81.53	18.47
9	O/HKN/6/83	HKN83-06	637	516	2	81	19
10	O1/BFS 1860/UK/67	UKG67--A	639	514	0	80.44	19.56
nt, nucleotides							
*, not a WRLFMD reference number							

Serotype: O Report date: 05/09/2005
WRL Ref No: SAU/9/2005
Sender Ref: 204
Date collected: May-2005 Topotype: ME-SA
Date received by WRLFMD: 20/06/2005 Genotype/strain: PanAsia
Date received for sequencing: 01/07/2005 Sequence filename: SAU05-09.SEQ
Species: Bovine Date sequence last updated: 30/08/2005
Material used: BTy2 Total no. of comparisons: 1718
Region sequenced: VP1 Min. no. of nt for comparison: 300
RT-PCR primers: O-1C272F/EUR-2B52R Total turn-around time: 77 days
No. of Nt determined: 639 Sequencing time: 66 days
No. of ambiguities: 0
Gene length: 639

Comments: see attached report for comparisons within the Saudi Arabian FMD O viruses isolated in 2005.

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/BAR/6/99	BAR99-06	639	609	0	95.31	4.69
2	O/BAR/8/98	BAR98-08	639	608	0	95.15	4.85
3	O/IND/5/00* [1999;IVRI]	IND99-AR	639	608	0	95.15	4.85
4	O/SKR/2000 (AJ539139)	SKR00-AA	639	608	0	95.15	4.85
5	O/SKR/2000 (AF428246)	SKR00-AC	639	608	0	95.15	4.85
6	O/LEB/14/98	LEB98-14	614	584	3	95.11	4.89
7	O/BAR/1/99	BAR99-01	323	307	0	95.05	4.95
8	O/LEB/17/98	LEB98-17	624	593	3	95.03	4.97
9	O/TAW/2/99	TAW99-02	639	607	0	94.99	5.01
10	O/SKR/2000 (AY593824)	SKR00-AD	639	607	0	94.99	5.01

Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/TAW/2/99	TAW99-02	639	607	0	94.99	5.01
2	O1/Manisa/TUR/69	TUR69--E	639	575	0	89.98	10.02
3	O/IND/R2/75* [AF204276]	IND75--A	639	566	0	88.58	11.42
4	O/IND/53/79 [AF292107]	IND79A53	639	566	0	88.58	11.42
5	O/MOR/1/91	MOR91-01	639	559	0	87.48	12.52
6	O/TAI/189/87* [TRRL]	TAI87-AC	639	559	0	87.48	12.52
7	O/ISR/2/88	ISR88-02	639	559	0	87.48	12.52
8	O/PHI/5/95	PHI95-05	639	522	0	81.69	18.31
9	O/HKN/6/83	HKN83-06	637	519	2	81.48	18.52
10	O1/BFS 1860/UK/67	UKG67--A	639	513	0	80.28	19.72

nt, nucleotides

*, not a WRLFMD reference number

Serotype: O	Report date: 05/09/2005						
WRL Ref No: SAU/10/2005							
Sender Ref: 240							
Date collected: May-2005							
Date received by WRLFMD: 20/06/2005	Topotype: ME-SA						
Date received for sequencing: 01/07/2005	Genotype/strain: PanAsia						
Species: Bovine	Sequence filename: SAU05-10.SEQ						
Material used: BTy1	Date sequence last updated: 30/08/2005						
Region sequenced: VP1	Total no. of comparisons: 1718						
RT-PCR primers: O-1C272F/EUR-2B52R	Min. no. of nt for comparison: 300						
No. of Nt determined: 639	Total turn-around time: 77 days						
No. of ambiguities: 0	Sequencing time: 66 days						
Gene length: 639							
Comments: see attached report for comparisons within the Saudi Arabian FMD O viruses isolated in 2005.							
Ten Most Closely Related Viruses							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/BAR/1/99	BAR99-01	323	308	0	95.36	4.64
2	O/SKR/2000 (AF428246)	SKR00-AC	639	609	0	95.31	4.69
3	O/BAR/8/98	BAR98-08	639	609	0	95.31	4.69
4	O/SKR/2000 (AJ539139)	SKR00-AA	639	609	0	95.31	4.69
5	O/LEB/14/98	LEB98-14	614	585	3	95.28	4.72
6	O/LEB/17/98	LEB98-17	624	594	3	95.19	4.81
7	O/YEM/6/98	YEM98-06	413	393	31	95.16	4.84
8	O/NEP/4/98	NEP98-04	639	608	0	95.15	4.85
9	O/BAR/6/99	BAR99-06	639	608	0	95.15	4.85
10	O/Tibet/CHA/3/99	CHA99-03	639	608	0	95.15	4.85
Relationships to Reference Virus Strains							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/TAW/2/99	TAW99-02	639	606	0	94.84	5.16
2	O1/Manisa/TUR/69	TUR69--E	639	574	0	89.83	10.17
3	O/IND/53/79 [AF292107]	IND79A53	639	567	0	88.73	11.27
4	O/IND/R2/75* [AF204276]	IND75--A	639	565	0	88.42	11.58
5	O/TAI/189/87* [TRRL]	TAI87-AC	639	560	0	87.64	12.36
6	O/MOR/1/91	MOR91-01	639	559	0	87.48	12.52
7	O/ISR/2/88	ISR88-02	639	557	0	87.17	12.83
8	O/PHI/5/95	PHI95-05	639	520	0	81.38	18.62
9	O/HKN/6/83	HKN83-06	637	515	2	80.85	19.15
10	O1/BFS 1860/UK/67	UKG67--A	639	515	0	80.59	19.41
nt, nucleotides							
*, not a WRLFMD reference number							

Serotype: O Report date: 05/09/2005
WRL Ref No: SAU/11/2005
Sender Ref: 253
Date collected: May-2005 Topotype: ME-SA
Date received by WRLFMD: 20/06/2005 Genotype/strain: PanAsia
Date received for sequencing: 01/07/2005 Sequence filename: SAU05-11.SEQ
Species: Bovine Date sequence last updated: 30/08/2005
Material used: BTy1 Total no. of comparisons: 1718
Region sequenced: VP1 Min. no. of nt for comparison: 300
RT-PCR primers: O-1C272F/EUR-2B52R Total turn-around time: 77 days
No. of Nt determined: 639 Sequencing time: 66 days
No. of ambiguities: 0
Gene length: 639

Comments: see attached report for comparisons within the Saudi Arabian FMD O viruses isolated in 2005.

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/BAR/1/99	BAR99-01	323	308	0	95.36	4.64
2	O/YEM/6/98	YEM98-06	413	393	31	95.16	4.84
3	O/SKR/2000 (AF428246)	SKR00-AC	639	608	0	95.15	4.85
4	O/BAR/8/98	BAR98-08	639	608	0	95.15	4.85
5	O/SKR/2000 (AJ539139)	SKR00-AA	639	608	0	95.15	4.85
6	O/LEB/14/98	LEB98-14	614	584	3	95.11	4.89
7	O/LEB/17/98	LEB98-17	624	593	3	95.03	4.97
8	O/NEP/4/98	NEP98-04	639	607	0	94.99	5.01
9	O/BAR/6/99	BAR99-06	639	607	0	94.99	5.01
10	O/Tibet/CHA/3/99	CHA99-03	639	607	0	94.99	5.01

Relationships to Reference Virus Strains

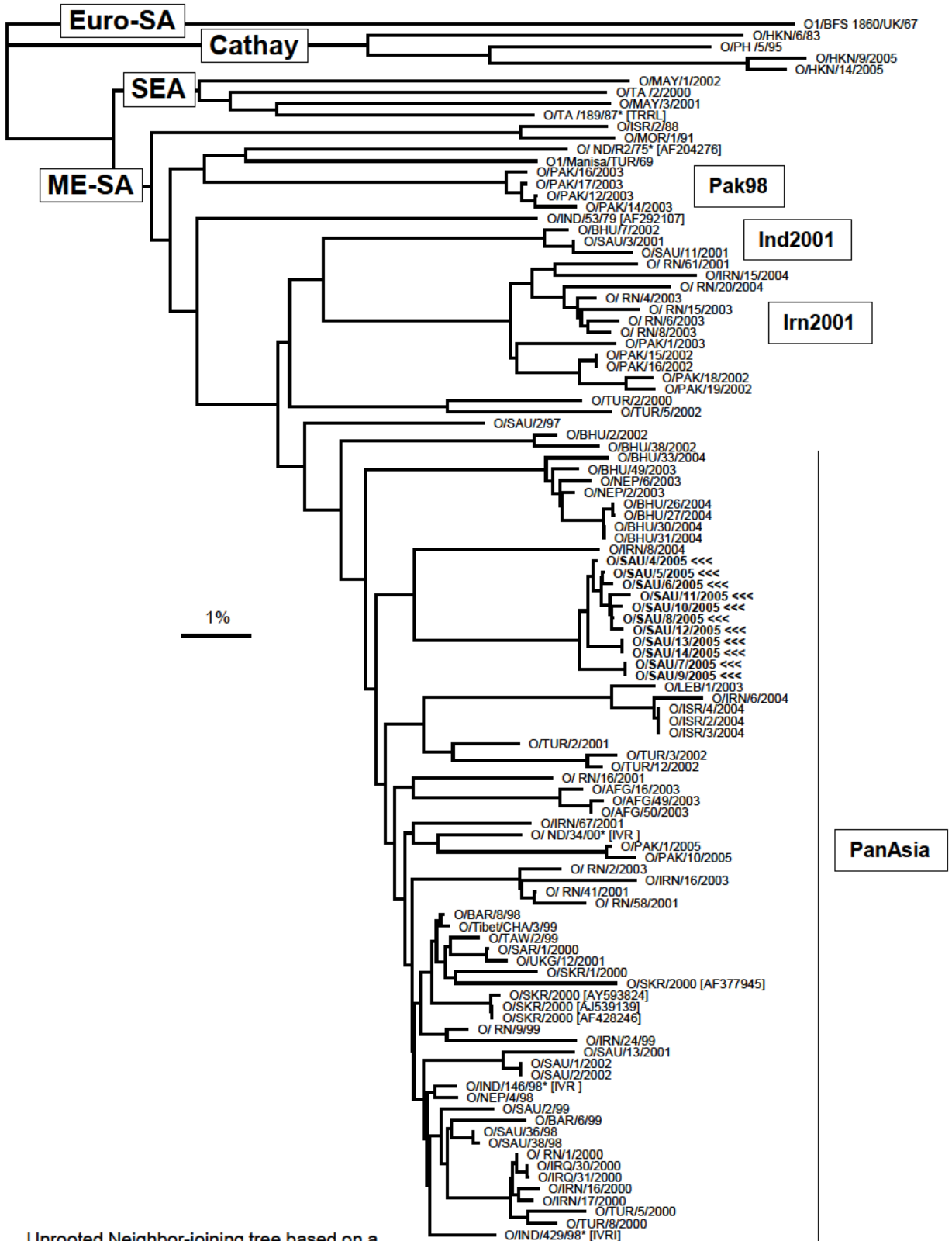
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/TAW/2/99	TAW99-02	639	605	0	94.68	5.32
2	O1/Manisa/TUR/69	TUR69--E	639	572	0	89.51	10.49
3	O/IND/53/79 [AF292107]	IND79A53	639	567	0	88.73	11.27
4	O/IND/R2/75* [AF204276]	IND75--A	639	563	0	88.11	11.89
5	O/MOR/1/91	MOR91-01	639	558	0	87.32	12.68
6	O/TAI/189/87* [TRRL]	TAI87-AC	639	558	0	87.32	12.68
7	O/ISR/2/88	ISR88-02	639	556	0	87.01	12.99
8	O/PHI/5/95	PHI95-05	639	521	0	81.53	18.47
9	O/HKN/6/83	HKN83-06	637	516	2	81	19
10	O1/BFS 1860/UK/67	UKG67--A	639	514	0	80.44	19.56

nt, nucleotides

*, not a WRLFMD reference number

Serotype: O		Report date: 05/09/2005					
WRL Ref No: SAU/12/2005							
Sender Ref: 271							
Date collected: Jun-2005							
Date received by WRLFMD: 20/06/2005		Topotype: ME-SA					
Date received for sequencing: 01/07/2005		Genotype/strain:					
Species: Bovine		Sequence filename: SAU05-12.SEQ					
Material used: BTy1		Date sequence last updated: 30/08/2005					
Region sequenced: VP1		Total no. of comparisons: 1718					
RT-PCR primers: O-1C272F/EUR-2B52R		Min. no. of nt for comparison: 300					
No. of Nt determined: 639		Total turn-around time: 77 days					
No. of ambiguities: 0		Sequencing time: 66 days					
Gene length: 639							
Comments: see attached report for comparisons within the Saudi Arabian FMD O viruses isolated in 2005.							
Ten Most Closely Related Viruses							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/BAR/1/99	BAR99-01	323	309	0	95.67	4.33
2	O/YEM/6/98	YEM98-06	413	394	31	95.4	4.6
3	O/SKR/2000 (AF428246)	SKR00-AC	639	609	0	95.31	4.69
4	O/BAR/8/98	BAR98-08	639	609	0	95.31	4.69
5	O/SKR/2000 (AJ539139)	SKR00-AA	639	609	0	95.31	4.69
6	O/LEB/14/98	LEB98-14	614	585	3	95.28	4.72
7	O/LEB/17/98	LEB98-17	624	594	3	95.19	4.81
8	O/NEP/4/98	NEP98-04	639	608	0	95.15	4.85
9	O/BAR/6/99	BAR99-06	639	608	0	95.15	4.85
10	O/Tibet/CHA/3/99	CHA99-03	639	608	0	95.15	4.85
Relationships to Reference Virus Strains							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/TAW/2/99	TAW99-02	639	606	0	94.84	5.16
2	O1/Manisa/TUR/69	TUR69--E	639	573	0	89.67	10.33
3	O/IND/53/79 [AF292107]	IND79A53	639	566	0	88.58	11.42
4	O/IND/R2/75* [AF204276]	IND75--A	639	564	0	88.26	11.74
5	O/MOR/1/91	MOR91-01	639	559	0	87.48	12.52
6	O/TAI/189/87* [TRRL]	TAI87-AC	639	559	0	87.48	12.52
7	O/ISR/2/88	ISR88-02	639	557	0	87.17	12.83
8	O/PHI/5/95	PHI95-05	639	520	0	81.38	18.62
9	O/HKN/6/83	HKN83-06	637	515	2	80.85	19.15
10	O1/BFS 1860/UK/67	UKG67--A	639	513	0	80.28	19.72
nt, nucleotides							
*, not a WRLFMD reference number							

Report on: O Saudi Arabia 2005



Unrooted Neighbor-joining tree based on a comparison of the complete VP1 gene. The tree was outgroup-rooted using O1/BFS 1860/UK/67. *, not a WRLFMD ref. no.