

Serotype: O Report date: 24/06/2006  
WRL Ref No: KUW/2/2006  
Sender Ref: Sample no. 2  
Date collected: 2006  
Date received by WRLFMD: 11/04/2006 Topotype: Middle East-South Asia (ME-SA)  
Date received for sequencing: 13/04/2006 Genotype/strain: PanAsia  
Species: not known Sequence filename: KUW06-02.SEQ  
Material used: BTy1 Date sequence last updated: 21/06/2006  
Region sequenced: VP1 Total no. of comparisons: 1860  
RT-PCR primers: O-1C272F/EUR-2B52R; Min. no. of nt for comparison: 300  
O-1C244F/EUR-2B52R Total turn-around time: 74 days  
No. of Nt determined: 639 Sequencing time: 72 days  
No. of ambiguities: 0  
Gene length: 639

Comments:

#### Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/KUW/3/2006	KUW06-03	639	638	0	99.84	0.16
2	O/SAU/12/2005	SAU05-12	639	635	0	99.37	0.63
3	O/SAU/8/2005	SAU05-08	639	634	0	99.22	0.78
4	O/SAU/5/2005	SAU05-05	639	633	0	99.06	0.94
5	O/SAU/10/2005	SAU05-10	639	633	0	99.06	0.94
6	O/SAU/6/2005	SAU05-06	639	632	0	98.9	1.1
7	O/SAU/11/2005	SAU05-11	639	632	0	98.9	1.1
8	O/SAU/4/2005	SAU05-04	639	632	0	98.9	1.1
9	O/SAU/14/2005	SAU05-14	639	629	0	98.44	1.56
10	O/SAU/13/2005	SAU05-13	639	629	0	98.44	1.56

#### 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	603	0	94.37	5.63
2	O1/Manisa/TUR/69	TUR69--E	639	571	0	89.36	10.64
3	O/IND/53/79 [AF292107]	IND79A53	639	566	0	88.58	11.42
4	O/IND/R2/75* [AF204276]	IND75--A	639	562	0	87.95	12.05
5	O/MOR/1/91	MOR91-01	639	559	0	87.48	12.52
6	O/TAI/189/87* [TRRL]	TAI87-AC	639	557	0	87.17	12.83
7	O/ISR/2/88	ISR88-02	639	557	0	87.17	12.83
8	O/PHI/5/95	PHI95-05	639	519	0	81.22	18.78
9	O/HKN/6/83	HKN83-06	637	514	2	80.69	19.31
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: KUW/3/2006  
Sender Ref: Sample no. 3  
Date collected: 2006  
Date received by WRLFMD: 11/04/2006  
Date received for sequencing: 13/04/2006  
Species: not known  
Material used: BTy1  
Region sequenced: VP1  
RT-PCR primers: O-1C272F/EUR-2B52R;  
O-1C244F/EUR-2B52R  
No. of Nt determined: 639  
No. of ambiguities: 0  
Gene length: 639

Report date: 24/06/2006  
Topotype: Middle East-South Asia (ME-SA)  
Genotype/strain: PanAsia  
Sequence filename: KUW06-03.SEQ  
Date sequence last updated: 21/06/2006  
Total no. of comparisons: 1860  
Min. no. of nt for comparison: 300  
Total turn-around time: 74 days  
Sequencing time: 72 days

Comments:

**Ten Most Closely Related Viruses**

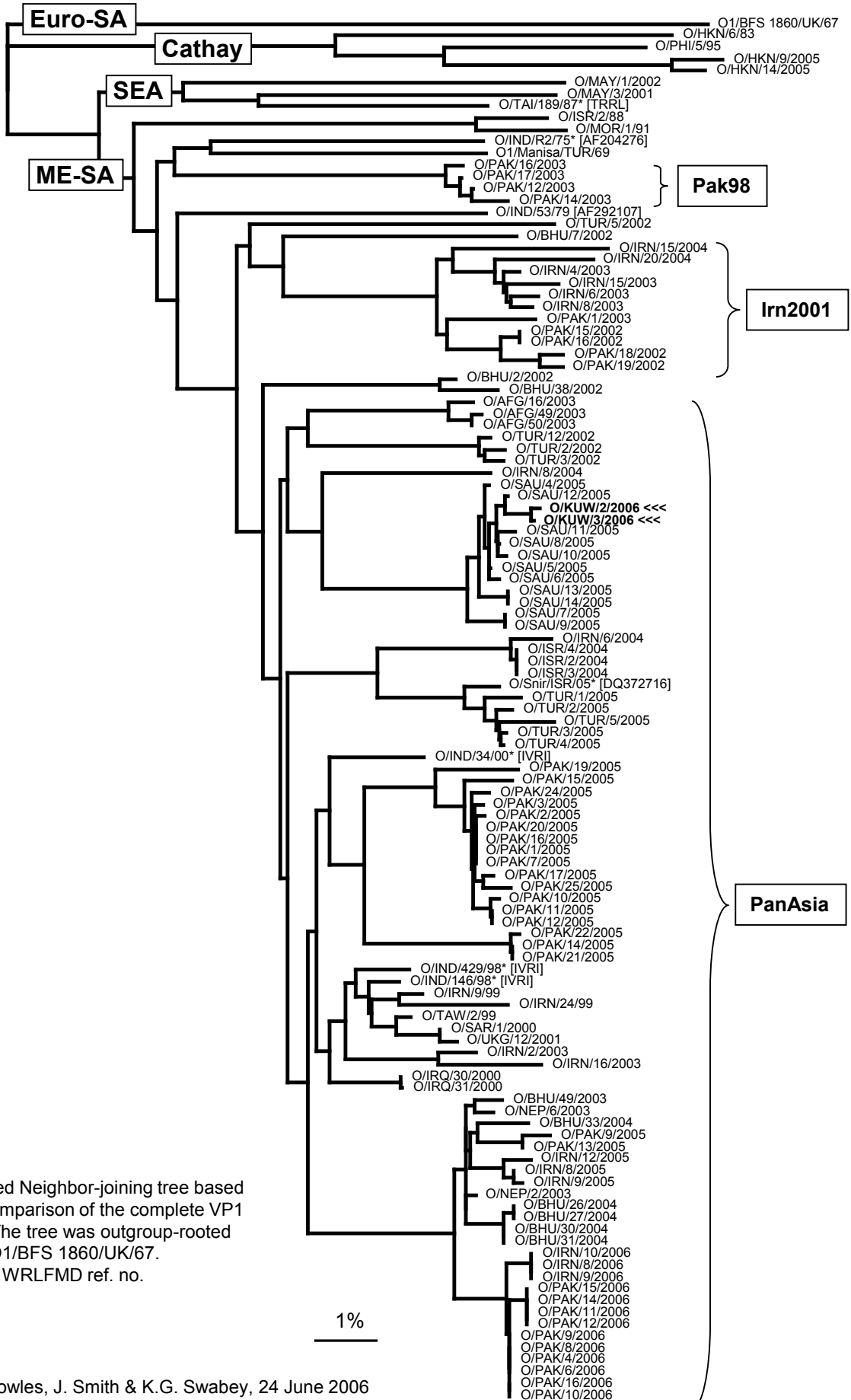
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/KUW/2/2006	KUW06-02	639	638	0	99.84	0.16
2	O/SAU/12/2005	SAU05-12	639	636	0	99.53	0.47
3	O/SAU/8/2005	SAU05-08	639	635	0	99.37	0.63
4	O/SAU/5/2005	SAU05-05	639	634	0	99.22	0.78
5	O/SAU/10/2005	SAU05-10	639	634	0	99.22	0.78
6	O/SAU/6/2005	SAU05-06	639	633	0	99.06	0.94
7	O/SAU/11/2005	SAU05-11	639	633	0	99.06	0.94
8	O/SAU/4/2005	SAU05-04	639	633	0	99.06	0.94
9	O/SAU/14/2005	SAU05-14	639	630	0	98.59	1.41
10	O/SAU/13/2005	SAU05-13	639	630	0	98.59	1.41

**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	604	0	94.52	5.48
2	O1/Manisa/TUR/69	TUR69--E	639	570	0	89.2	10.8
3	O/IND/53/79 [AF292107]	IND79A53	639	565	0	88.42	11.58
4	O/IND/R2/75* [AF204276]	IND75--A	639	561	0	87.79	12.21
5	O/MOR/1/91	MOR91-01	639	558	0	87.32	12.68
6	O/TAI/189/87* [TRRL]	TAI87-AC	639	556	0	87.01	12.99
7	O/ISR/2/88	ISR88-02	639	556	0	87.01	12.99
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	512	0	80.13	19.87

nt, nucleotides  
\*, not a WRLFMD reference number

# Report on FMDV-O from Kuwait in 2006



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.

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