

Serotype: O
WRL Ref No: ISR/1/2006
Sender Ref: 1 (502220)
Date collected: 2006
Date received by WRLFMD: 16/06/2006
Date received for sequencing: 19/06/2006
Species: not known
Material used: PKC4 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: 29/08/2006
Topotype: ME-SA
Genotype/strain: PanAsia
Sequence filename: ISR06-01.SEQ
Date sequence last updated: 22/07/2006
Total no. of comparisons: 1918
Min. no. of nt for comparison: 300
Total turn-around time: 74 days
Sequencing time: 71 days

Comments:

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/ISR/2/2006	ISR06-02	639	638	0	99.84	0.16
2	O/TUR/4/2005	TUR05-04	639	634	0	99.22	0.78
3	O/TUR/3/2005	TUR05-03	639	633	0	99.06	0.94
4	O/TUR/2/2005	TUR05-02	639	632	0	98.9	1.1
5	O/ISR/1/2005	ISR05-01	639	632	0	98.9	1.1
6	O/Snir/ISR/05* [DQ372716]	ISR05-AA	639	632	0	98.9	1.1
7	O/ISR/2/2005	ISR05-02	639	631	0	98.75	1.25
8	O/TUR/1/2005	TUR05-01	639	629	0	98.44	1.56
9	O/TUR/5/2005	TUR05-05	639	628	0	98.28	1.72
10	O/TUR/152/03/03* (Lindholm)	TUR03-AE	639	618	0	96.71	3.29

Relationships to Reference Virus Strains

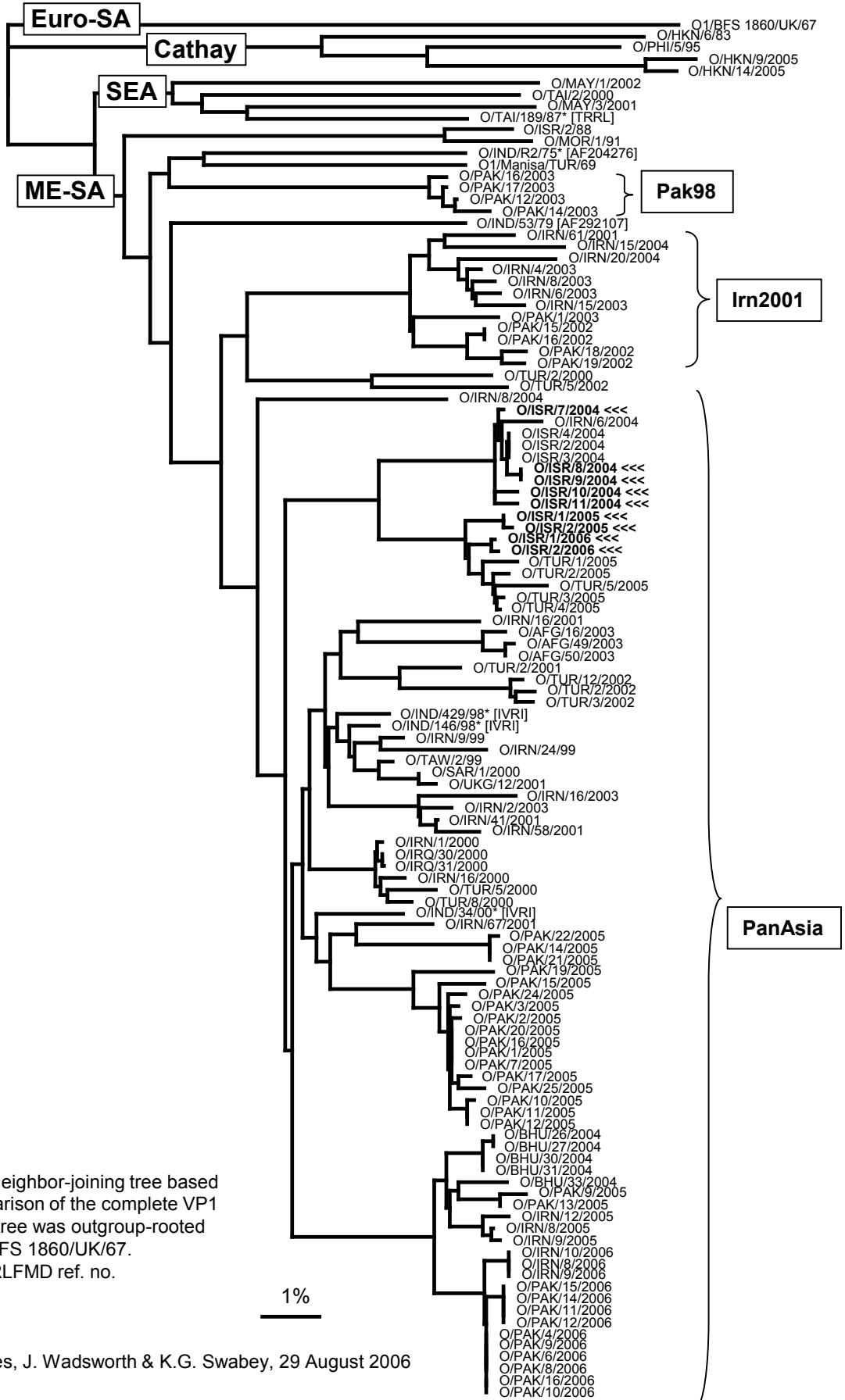
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/TAW/2/99	TAW99-02	639	605	0	94.68	5.32
2	O/IND/53/79 [AF292107]	IND79A53	639	577	0	90.3	9.7
3	O/IND/R2/75* [AF204276]	IND75--A	639	575	0	89.98	10.02
4	O1/Manisa/TUR/69	TUR69--E	639	572	0	89.51	10.49
5	O/TAI/189/87* [TRRL]	TAI87-AC	639	560	0	87.64	12.36
6	O/ISR/2/88	ISR88-02	639	559	0	87.48	12.52
7	O/MOR/1/91	MOR91-01	639	553	0	86.54	13.46
8	O/PHI/5/95	PHI95-05	639	523	0	81.85	18.15
9	O/HKN/6/83	HKN83-06	637	520	2	81.63	18.37
10	O1/BFS 1860/UK/67	UKG67--A	639	516	0	80.75	19.25

nt, nucleotides

*, not a WRLFMD reference number

Serotype: O		Report date: 29/08/2006					
WRL Ref No: ISR/2/2006							
Sender Ref: 2 (502192)							
Date collected: 2006							
Date received by WRLFMD: 16/06/2006		Topotype: ME-SA					
Date received for sequencing: 19/06/2006		Genotype/strain: PanAsia					
Species: not known		Sequence filename: ISR06-02.SEQ					
Material used: PKC5 BTy1		Date sequence last updated: 22/07/2006					
Region sequenced: VP1		Total no. of comparisons: 1918					
RT-PCR primers: O-1C272F/EUR-2B52R; O-1C244F/EUR-2B52R		Min. no. of nt for comparison: 300					
No. of Nt determined: 639		Total turn-around time: 74 days					
No. of ambiguities: 0		Sequencing time: 71 days					
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/ISR/1/2006	ISR06-01	639	638	0	99.84	0.16
2	O/TUR/4/2005	TUR05-04	639	635	0	99.37	0.63
3	O/TUR/3/2005	TUR05-03	639	634	0	99.22	0.78
4	O/TUR/2/2005	TUR05-02	639	633	0	99.06	0.94
5	O/ISR/1/2005	ISR05-01	639	631	0	98.75	1.25
6	O/Snir/ISR/05* [DQ372716]	ISR05-AA	639	631	0	98.75	1.25
7	O/TUR/1/2005	TUR05-01	639	630	0	98.59	1.41
8	O/ISR/2/2005	ISR05-02	639	630	0	98.59	1.41
9	O/TUR/5/2005	TUR05-05	639	629	0	98.44	1.56
10	O/TUR/152/03/03* (Lindholm)	TUR03-AE	639	617	0	96.56	3.44
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	O/IND/53/79 [AF292107]	IND79A53	639	576	0	90.14	9.86
3	O/IND/R2/75* [AF204276]	IND75--A	639	574	0	89.83	10.17
4	O1/Manisa/TUR/69	TUR69--E	639	573	0	89.67	10.33
5	O/TAI/189/87* [TRRL]	TAI87-AC	639	561	0	87.79	12.21
6	O/ISR/2/88	ISR88-02	639	560	0	87.64	12.36
7	O/MOR/1/91	MOR91-01	639	554	0	86.7	13.3
8	O/PHI/5/95	PHI95-05	639	524	0	82	18
9	O/HKN/6/83	HKN83-06	637	521	2	81.79	18.21
10	O1/BFS 1860/UK/67	UKG67--A	639	517	0	80.91	19.09
nt, nucleotides							
*, not a WRLFMD reference number							

Report on FMDV-O from Israel in 2004-2006



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.

1%