

Serotype: O	Report date: 22/06/2006
WRL Ref No: TUR/1/2005	
Sender Ref: 423/2005	
Date collected: 15/07/2005	Topotype: ME-SA
Date received by WRLFMD: 16/02/2006	Genotype/strain: PanAsia
Date received for sequencing: 21/02/2006	Sequence filename: TUR05-01.SEQ
Species: Cattle	Date sequence last updated: 20/06/2006
Material used: BTy1	Total no. of comparisons: 1858
Region sequenced: VP1	Min. no. of nt for comparison: 300
RT-PCR primers: O-1C272F/EUR-2B52R; O-1C244F/EUR-2B52R	Total turn-around time: 126 days
No. of Nt determined: 639	Sequencing time: 121 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/TUR/4/2005	TUR05-04	639	634	0	99.22	0.78
2	O/TUR/3/2005	TUR05-03	639	633	0	99.06	0.94
3	O/TUR/2/2005	TUR05-02	639	632	0	98.9	1.1
4	O/TUR/5/2005	TUR05-05	639	628	0	98.28	1.72
5	O/Snir/ISR/05* [DQ372716]	ISR05-AA	639	628	0	98.28	1.72
6	O/TUR/6/2003	TUR03-06	630	603	3	95.71	4.29
7	O/ISR/3/2004	ISR04A03	485	464	1	95.67	4.33
8	O/TUR/7/2003	TUR03-07	639	611	0	95.62	4.38
9	O/ISR/2/2004	ISR04-02	639	609	0	95.31	4.69
10	O/ISR/4/2004	ISR04-04	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	603	0	94.37	5.63
2	O/IND/53/79 [AF292107]	IND79A53	639	575	0	89.98	10.02
3	O/IND/R2/75* [AF204276]	IND75--A	639	572	0	89.51	10.49
4	O1/Manisa/TUR/69	TUR69--E	639	569	0	89.05	10.95
5	O/TAI/189/87* [TRRL]	TAI87-AC	639	559	0	87.48	12.52
6	O/ISR/2/88	ISR88-02	639	556	0	87.01	12.99
7	O/MOR/1/91	MOR91-01	639	552	0	86.38	13.62
8	O/HKN/6/83	HKN83-06	637	519	2	81.48	18.52
9	O/PHI/5/95	PHI95-05	639	520	0	81.38	18.62
10	O1/BFS 1860/UK/67	UKG67--A	639	518	0	81.06	18.94

nt, nucleotides

\*, not a WRLFMD reference number

Serotype: O	Report date: 22/06/2006
WRL Ref No: TUR/2/2005	
Sender Ref: 474/2005	
Date collected: 11/08/2005	Topotype: ME-SA
Date received by WRLFMD: 16/02/2006	Genotype/strain: PanAsia
Date received for sequencing: 21/02/2006	Sequence filename: TUR05-02.SEQ
Species: Cattle	Date sequence last updated: 20/06/2006
Material used: BTy1	Total no. of comparisons: 1858
Region sequenced: VP1	Min. no. of nt for comparison: 300
RT-PCR primers: O-1C272F/EUR-2B52R; O-1C244F/EUR-2B52R	Total turn-around time: 126 days
No. of Nt determined: 639	Sequencing time: 121 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/TUR/4/2005	TUR05-04	639	637	0	99.69	0.31
2	O/TUR/3/2005	TUR05-03	639	636	0	99.53	0.47
3	O/TUR/1/2005	TUR05-01	639	632	0	98.9	1.1
4	O/TUR/5/2005	TUR05-05	639	631	0	98.75	1.25
5	O/Snir/ISR/05* [DQ372716]	ISR05-AA	639	631	0	98.75	1.25
6	O/TUR/6/2003	TUR03-06	630	608	3	96.51	3.49
7	O/ISR/3/2004	ISR04A03	485	467	1	96.29	3.71
8	O/TUR/7/2003	TUR03-07	639	614	0	96.09	3.91
9	O/LEB/1/2003	LEB03-01	639	614	0	96.09	3.91
10	O/ISR/4/2004	ISR04-04	639	612	0	95.77	4.23

### 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	574	0	89.83	10.17
3	O/IND/R2/75* [AF204276]	IND75--A	639	571	0	89.36	10.64
4	O1/Manisa/TUR/69	TUR69--E	639	570	0	89.2	10.8
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	519	2	81.48	18.52
10	O1/BFS 1860/UK/67	UKG67--A	639	517	0	80.91	19.09

nt, nucleotides

\*, not a WRLFMD reference number

Serotype: O	Report date: 22/06/2006
WRL Ref No: TUR/3/2005	
Sender Ref: 513/2005	
Date collected: 15/09/2005	
Date received by WRLFMD: 16/02/2006	Topotype: ME-SA
Date received for sequencing: 21/02/2006	Genotype/strain: PanAsia
Species: Cattle	Sequence filename: TUR05-03.SEQ
Material used: BTy1	Date sequence last updated: 20/06/2006
Region sequenced: VP1	Total no. of comparisons: 1858
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: 126 days
No. of ambiguities: 0	Sequencing time: 121 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/TUR/4/2005	TUR05-04	639	638	0	99.84	0.16
2	O/TUR/2/2005	TUR05-02	639	636	0	99.53	0.47
3	O/TUR/1/2005	TUR05-01	639	633	0	99.06	0.94
4	O/TUR/5/2005	TUR05-05	639	632	0	98.9	1.1
5	O/Snir/ISR/05* [DQ372716]	ISR05-AA	639	632	0	98.9	1.1
6	O/TUR/6/2003	TUR03-06	630	609	3	96.67	3.33
7	O/ISR/3/2004	ISR04A03	485	467	1	96.29	3.71
8	O/LEB/1/2003	LEB03-01	639	615	0	96.24	3.76
9	O/ISR/4/2004	ISR04-04	639	613	0	95.93	4.07
10	O/ISR/3/2004	ISR04-03	639	613	0	95.93	4.07

#### 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	575	0	89.98	10.02
3	O/IND/R2/75* [AF204276]	IND75--A	639	572	0	89.51	10.49
4	O1/Manisa/TUR/69	TUR69--E	639	571	0	89.36	10.64
5	O/ISR/2/88	ISR88-02	639	560	0	87.64	12.36
6	O/TAI/189/87* [TRRL]	TAI87-AC	639	559	0	87.48	12.52
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	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: 22/06/2006
WRL Ref No: TUR/4/2005	
Sender Ref: 510/2005	
Date collected: 16/09/2005	
Date received by WRLFMD: 16/02/2006	Topotype: ME-SA
Date received for sequencing: 21/02/2006	Genotype/strain: PanAsia
Species: Cattle	Sequence filename: TUR05-04.SEQ
Material used: BTy1	Date sequence last updated: 20/06/2006
Region sequenced: VP1	Total no. of comparisons: 1858
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: 126 days
No. of ambiguities: 0	Sequencing time: 121 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/TUR/3/2005	TUR05-03	639	638	0	99.84	0.16
2	O/TUR/2/2005	TUR05-02	639	637	0	99.69	0.31
3	O/TUR/1/2005	TUR05-01	639	634	0	99.22	0.78
4	O/TUR/5/2005	TUR05-05	639	633	0	99.06	0.94
5	O/Snir/ISR/05* [DQ372716]	ISR05-AA	639	633	0	99.06	0.94
6	O/TUR/6/2003	TUR03-06	630	608	3	96.51	3.49
7	O/TUR/7/2003	TUR03-07	639	614	0	96.09	3.91
8	O/LEB/1/2003	LEB03-01	639	614	0	96.09	3.91
9	O/ISR/3/2004	ISR04A03	485	466	1	96.08	3.92
10	O/ISR/4/2004	ISR04-04	639	612	0	95.77	4.23

#### 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	573	0	89.67	10.33
4	O1/Manisa/TUR/69	TUR69--E	639	570	0	89.2	10.8
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	519	2	81.48	18.52
10	O1/BFS 1860/UK/67	UKG67--A	639	517	0	80.91	19.09

nt, nucleotides

\*, not a WRLFMD reference number

Serotype: O	Report date: 22/06/2006
WRL Ref No: TUR/5/2005	
Sender Ref: 522/2005	
Date collected: 25/09/2005	Topotype: ME-SA
Date received by WRLFMD: 16/02/2006	Genotype/strain: PanAsia
Date received for sequencing: 21/02/2006	Sequence filename: TUR05-05.SEQ
Species: Cattle	Date sequence last updated: 20/06/2006
Material used: BTy2	Total no. of comparisons: 1858
Region sequenced: VP1	Min. no. of nt for comparison: 300
RT-PCR primers: O-1C272F/EUR-2B52R; O-1C244F/EUR-2B52R	Total turn-around time: 126 days
No. of Nt determined: 639	Sequencing time: 121 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/TUR/4/2005	TUR05-04	639	633	0	99.06	0.94
2	O/TUR/3/2005	TUR05-03	639	632	0	98.9	1.1
3	O/TUR/2/2005	TUR05-02	639	631	0	98.75	1.25
4	O/TUR/1/2005	TUR05-01	639	628	0	98.28	1.72
5	O/Snir/ISR/05* [DQ372716]	ISR05-AA	639	627	0	98.12	1.88
6	O/TUR/6/2003	TUR03-06	630	602	3	95.56	4.44
7	O/TUR/7/2003	TUR03-07	639	608	0	95.15	4.85
8	O/LEB/1/2003	LEB03-01	639	608	0	95.15	4.85
9	O/ISR/3/2004	ISR04A03	485	461	1	95.05	4.95
10	O/ISR/4/2004	ISR04-04	639	606	0	94.84	5.16

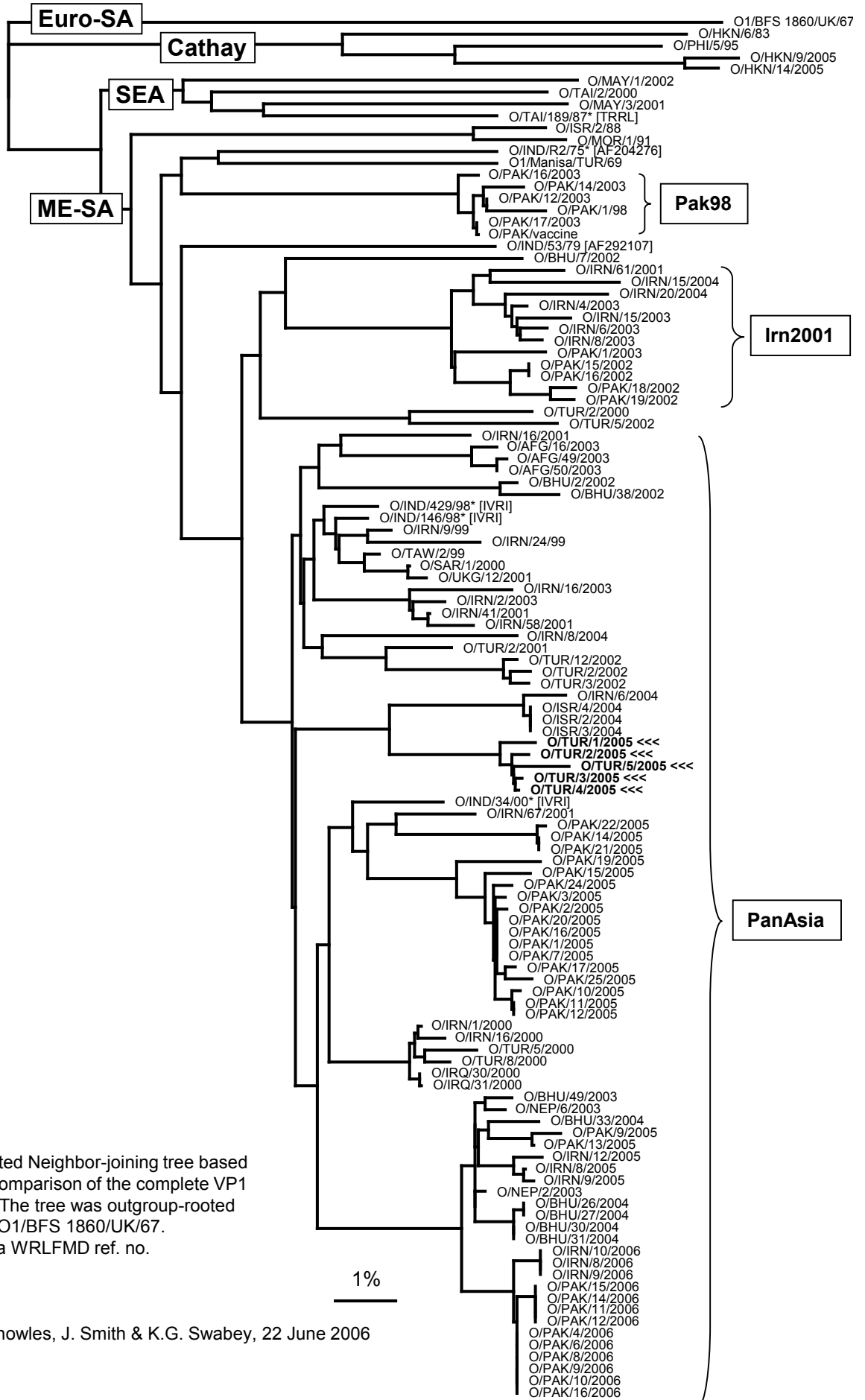
#### Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/TAW/2/99	TAW99-02	639	600	0	93.9	6.1
2	O/IND/53/79 [AF292107]	IND79A53	639	573	0	89.67	10.33
3	O/IND/R2/75* [AF204276]	IND75--A	639	570	0	89.2	10.8
4	O1/Manisa/TUR/69	TUR69--E	639	567	0	88.73	11.27
5	O/TAI/189/87* [TRRL]	TAI87-AC	639	555	0	86.85	13.15
6	O/ISR/2/88	ISR88-02	639	554	0	86.7	13.3
7	O/MOR/1/91	MOR91-01	639	548	0	85.76	14.24
8	O/PHI/5/95	PHI95-05	639	518	0	81.06	18.94
9	O/HKN/6/83	HKN83-06	637	516	2	81	19
10	O1/BFS 1860/UK/67	UKG67--A	639	516	0	80.75	19.25

nt, nucleotides

\*, not a WRLFMD reference number

# Report on FMDV-O from Turkey in 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.

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