



**INSTITUTE FOR ANIMAL HEALTH**  
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## FMD Sequencing Report

Lab Reference WRL Batch Number: WRLFMD/2010/00003

Sender Details:

Date Received: 4<sup>th</sup> February 2010  
Country of Origin: Turkey  
Date Reported: 26<sup>th</sup> February 2010

Dear Dr. Naci Bulut,

Sequencing work has now been completed in respect of the samples you submitted and the details are as attached. Please note that all of our phylogenetic trees can be accessed via the internet at: <http://www.wrlfmd.org/>

Results Approved By:

Official Stamp:

Date:

26/2/10

To help us improve the quality of our service, please send any suggestions or requests to the Reference Laboratory by fax (+44 (0) 1483 232621 or email: [elizabeth.wilson@bbsrc.ac.uk](mailto:elizabeth.wilson@bbsrc.ac.uk))

# FAO World Reference Laboratory for Foot-and-Mouth Disease (WRLFMD)

## Genotyping Report

Date: 26 February 2010

FMDV type O

Country: Turkey

Period: 2009-2010

No. of isolates: 6

BATCH: WRLFMD/2010/00003



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# FAO World Reference Laboratory for FMD Genotyping Report

IAH-P-EP-MEG-FOR-005-3

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Serotype: O	Report date: 26/02/2010
WRLFMD Ref No: TUR/15/2009	Reported by: N.J. Knowles
Batch No: WRLFMD/2010/00003	Checked by: D.P. King
Sender Ref: 254/2009	
Location: Yeni Pecenek, Sincan, Ankara, Turkey	Topotype: ME-SA
Date collected: 2009	Genotype/strain: PanAsia-2
Date received by WRLFMD: 04/02/2010	Sequence filename: TUR09-15.SEQ
Date received for sequencing: 17/02/2010	Date sequence last updated: 26/02/2010
Species: Cattle	No. of Nt determined: 639
Material used: BTy1	No. of ambiguities: 0
Region sequenced: VP1	Gene length: 639
RT-PCR primers: O-1C244F/EUR-2B52R	Total no. of comparisons: 2243
O-1C272F/EUR-2B52R	Min. no. of nt for comparison: 300
	Total turn-around time: 22 days
	Sequencing time: 9 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	O/TUR/313/2008* (FMDI)	TUR08-AE	639	632	0	98.90	1.10	ME-SA	PanAsia-2
2	O/TUR/38/2008	TUR08-38	639	632	0	98.90	1.10	ME-SA	PanAsia-2
3	O/TUR/221/2009* (FMDI)	TUR09-AF	639	631	0	98.75	1.25	ME-SA	PanAsia-2
4	O/TUR/35/2008	TUR08-35	639	631	0	98.75	1.25	ME-SA	PanAsia-2
5	O/TUR/36/2008	TUR08-36	639	631	0	98.75	1.25	ME-SA	PanAsia-2
6	O/TUR/6/2009	TUR09-06	639	631	0	98.75	1.25	ME-SA	PanAsia-2
7	O/TUR/2/2009	TUR09-02	639	630	0	98.59	1.41	ME-SA	PanAsia-2
8	O/TUR/3/2009	TUR09-03	639	630	0	98.59	1.41	ME-SA	PanAsia-2
9	O/TUR/4/2009	TUR09-04	639	630	0	98.59	1.41	ME-SA	PanAsia-2
10	O/TUR/210/2009* (FMDI)	TUR09-AD	639	629	0	98.44	1.56	ME-SA	PanAsia-2
Most Closely Related Reference Viruses									
(see <a href="http://www.wrlfmd.org/fmd_genotyping/prototypes.htm">http://www.wrlfmd.org/fmd_genotyping/prototypes.htm</a> )									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	O/IRN/8/2005	IRN05-08	639	610	0	95.46	4.54	ME-SA	PanAsia-2
2	O/UKG/35/2001 (AJ539141)	UKG01-35	639	592	0	92.64	7.36	ME-SA	PanAsia
3	O/IND/53/79 (AF292107)	IND79A53	639	565	0	88.42	11.58	ME-SA	unnamed
4	O1/Manisa/TUR/69 (AY593823)	TUR69--G	639	563	0	88.11	11.89	ME-SA	unnamed
5	O/IND/R2/75* (AF204276)	IND75--A	639	560	0	87.64	12.36	ME-SA	unnamed
6	O/TAI/189/87* (TRRL)	TAI87-AC	639	552	0	86.38	13.62	SEA	unnamed
7	O/MYA/7/98 (DQ164925)	MYA98-07	639	548	0	85.76	14.24	SEA	Mya-98
8	O/ETH/1/2007 (FJ798137)	ETH07-01	639	544	0	85.13	14.87	EA-3	unnamed
9	O/K40/84*	KEN84-40	639	543	0	84.98	15.02	EA-1	unnamed
10	O/SUD/2/86 (DQ165075)	SUD86-02	639	542	0	84.82	15.18	EA-3	unnamed

nt, nucleotides

\*, not a WRLFMD reference number

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# FAO World Reference Laboratory for FMD Genotyping Report

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Serotype: O WRLFMD Ref No: TUR/17/2009 Batch No: WRLFMD/2010/00003 Sender Ref: 275/2009 Location: Sumer, Merkez, Kahramanmaras, Turkey Date collected: 2009 Date received by WRLFMD: 04/02/2010 Date received for sequencing: 17/02/2010 Species: Cattle Material used: BTy1 Region sequenced: VP1 RT-PCR primers: O-1C244F/EUR-2B52R O-1C272F/EUR-2B52R	Report date: 26/02/2010 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ME-SA Genotype/strain: PanAsia-2 Sequence filename: TUR09-17.SEQ Date sequence last updated: 26/02/2010 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 2243 Min. no. of nt for comparison: 300 Total turn-around time: 22 days Sequencing time: 9 days
Comments:	

<b>Most Closely Related Viruses</b>									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	O/TUR/313/2008* (FMDI)	TUR08-AE	639	633	0	99.06	0.94	ME-SA	PanAsia-2
2	O/TUR/38/2008	TUR08-38	639	633	0	99.06	0.94	ME-SA	PanAsia-2
3	O/TUR/35/2008	TUR08-35	639	632	0	98.90	1.10	ME-SA	PanAsia-2
4	O/TUR/36/2008	TUR08-36	639	632	0	98.90	1.10	ME-SA	PanAsia-2
5	O/TUR/6/2009	TUR09-06	639	632	0	98.90	1.10	ME-SA	PanAsia-2
6	O/TUR/2/2009	TUR09-02	639	631	0	98.75	1.25	ME-SA	PanAsia-2
7	O/TUR/3/2009	TUR09-03	639	631	0	98.75	1.25	ME-SA	PanAsia-2
8	O/TUR/4/2009	TUR09-04	639	631	0	98.75	1.25	ME-SA	PanAsia-2
9	O/TUR/221/2009* (FMDI)	TUR09-AF	639	630	0	98.59	1.41	ME-SA	PanAsia-2
10	O/TUR/257/2008* (FMDI)	TUR08-AD	639	630	0	98.59	1.41	ME-SA	PanAsia-2
<b>Most Closely Related Reference Viruses</b>									
(see <a href="http://www.wrlfmd.org/fmd_genotyping/prototypes.htm">http://www.wrlfmd.org/fmd_genotyping/prototypes.htm</a> )									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	O/IRN/8/2005	IRN05-08	639	611	0	95.62	4.38	ME-SA	PanAsia-2
2	O/UKG/35/2001 (AJ539141)	UKG01-35	639	593	0	92.80	7.20	ME-SA	PanAsia
3	O/IND/53/79 (AF292107)	IND79A53	639	564	0	88.26	11.74	ME-SA	unnamed
4	O1/Manisa/TUR/69 (AY593823)	TUR69--G	639	559	0	87.48	12.52	ME-SA	unnamed
5	O/IND/R2/75* (AF204276)	IND75--A	639	558	0	87.32	12.68	ME-SA	unnamed
6	O/TAI/189/87* (TRRL)	TAI87-AC	639	550	0	86.07	13.93	SEA	unnamed
7	O/MYA/7/98 (DQ164925)	MYA98-07	639	548	0	85.76	14.24	SEA	Mya-98
8	O/ETH/1/2007 (FJ798137)	ETH07-01	639	542	0	84.82	15.18	EA-3	unnamed
9	O/K40/84*	KEN84-40	639	541	0	84.66	15.34	EA-1	unnamed
10	O/SUD/2/86 (DQ165075)	SUD86-02	639	541	0	84.66	15.34	EA-3	unnamed

nt, nucleotides

\*, not a WRLFMD reference number

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# FAO World Reference Laboratory for FMD Genotyping Report

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Serotype: O	Report date: 26/02/2010
WRLFMD Ref No: TUR/19/2009	Reported by: N.J. Knowles
Batch No: WRLFMD/2010/00003	Checked by: D.P. King
Sender Ref: 281/2009	
Location: Duzyayla, Merkez, Bingol, Turkey	Topotype: ME-SA
Date collected: 2009	Genotype/strain: PanAsia-2
Date received by WRLFMD: 04/02/2010	Sequence filename: TUR09-19.SEQ
Date received for sequencing: 17/02/2010	Date sequence last updated: 26/02/2010
Species: Cattle	No. of Nt determined: 639
Material used: BTy1	No. of ambiguities: 0
Region sequenced: VP1	Gene length: 639
RT-PCR primers: O-1C244F/EUR-2B52R	Total no. of comparisons: 2243
O-1C272F/EUR-2B52R	Min. no. of nt for comparison: 300
	Total turn-around time: 22 days
	Sequencing time: 9 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	O/TUR/313/2008* (FMDI)	TUR08-AE	639	625	0	97.81	2.19	ME-SA	PanAsia-2
2	O/TUR/38/2008	TUR08-38	639	625	0	97.81	2.19	ME-SA	PanAsia-2
3	O/TUR/257/2008* (FMDI)	TUR08-AD	639	624	0	97.65	2.35	ME-SA	PanAsia-2
4	O/TUR/35/2008	TUR08-35	639	624	0	97.65	2.35	ME-SA	PanAsia-2
5	O/TUR/36/2008	TUR08-36	639	624	0	97.65	2.35	ME-SA	PanAsia-2
6	O/TUR/6/2009	TUR09-06	639	624	0	97.65	2.35	ME-SA	PanAsia-2
7	O/TUR/2/2009	TUR09-02	639	623	0	97.50	2.50	ME-SA	PanAsia-2
8	O/TUR/3/2009	TUR09-03	639	623	0	97.50	2.50	ME-SA	PanAsia-2
9	O/TUR/4/2009	TUR09-04	639	623	0	97.50	2.50	ME-SA	PanAsia-2
10	O/TUR/221/2009* (FMDI)	TUR09-AF	639	622	0	97.34	2.66	ME-SA	PanAsia-2
Most Closely Related Reference Viruses									
(see <a href="http://www.wrlfmd.org/fmd_genotyping/prototypes.htm">http://www.wrlfmd.org/fmd_genotyping/prototypes.htm</a> )									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	O/IRN/8/2005	IRN05-08	639	607	0	94.99	5.01	ME-SA	PanAsia-2
2	O/UKG/35/2001 (AJ539141)	UKG01-35	639	589	0	92.18	7.82	ME-SA	PanAsia
3	O/IND/53/79 (AF292107)	IND79A53	639	564	0	88.26	11.74	ME-SA	unnamed
4	O/IND/R2/75* (AF204276)	IND75--A	639	551	0	86.23	13.77	ME-SA	unnamed
5	O/TAI/189/87* (TRRL)	TAI87-AC	639	550	0	86.07	13.93	SEA	unnamed
6	O1/Manisa/TUR/69 (AY593823)	TUR69--G	639	548	0	85.76	14.24	ME-SA	unnamed
7	O/ETH/1/2007 (FJ798137)	ETH07-01	639	546	0	85.45	14.55	EA-3	unnamed
8	O/MYA/7/98 (DQ164925)	MYA98-07	639	546	0	85.45	14.55	SEA	Mya-98
9	O/ETH/3/2004 (FJ798109)	ETH04-03	639	542	0	84.82	15.18	EA-3	unnamed
10	O/KEN/5/2002 (DQ165073)	KEN02-05	639	541	0	84.66	15.34	EA-2	unnamed

nt, nucleotides

\*, not a WRLFMD reference number

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Serotype: O WRLFMD Ref No: TUR/1/2010 Batch No: WRLFMD/2010/00003 Sender Ref: 4/2010 Location: Yaka Mah, Merkez, Malatya, Turkey Date collected: 2010 Date received by WRLFMD: 04/02/2010 Date received for sequencing: 17/02/2010 Species: Cattle Material used: BTy1 Region sequenced: VP1 RT-PCR primers: O-1C244F/EUR-2B52R O-1C272F/EUR-2B52R	Report date: 26/02/2010 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ME-SA Genotype/strain: PanAsia-2 Sequence filename: TUR10-01.SEQ Date sequence last updated: 26/02/2010 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 2243 Min. no. of nt for comparison: 300 Total turn-around time: 22 days Sequencing time: 9 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	O/TUR/4/2010* (FMDI)	TUR10-AA	639	639	0	100.00	0.00	ME-SA	PanAsia-2
2	O/TUR/226/2009* (FMDI)	TUR09-AG	639	637	0	99.69	0.31	ME-SA	PanAsia-2
3	O/TUR/313/2008* (FMDI)	TUR08-AE	639	632	0	98.90	1.10	ME-SA	PanAsia-2
4	O/TUR/38/2008	TUR08-38	639	632	0	98.90	1.10	ME-SA	PanAsia-2
5	O/TUR/35/2008	TUR08-35	639	631	0	98.75	1.25	ME-SA	PanAsia-2
6	O/TUR/36/2008	TUR08-36	639	631	0	98.75	1.25	ME-SA	PanAsia-2
7	O/TUR/6/2009	TUR09-06	639	631	0	98.75	1.25	ME-SA	PanAsia-2
8	O/TUR/2/2009	TUR09-02	639	630	0	98.59	1.41	ME-SA	PanAsia-2
9	O/TUR/3/2009	TUR09-03	639	630	0	98.59	1.41	ME-SA	PanAsia-2
10	O/TUR/4/2009	TUR09-04	639	630	0	98.59	1.41	ME-SA	PanAsia-2
Most Closely Related Reference Viruses									
(see <a href="http://www.wrlfmd.org/fmd_genotyping/prototypes.htm">http://www.wrlfmd.org/fmd_genotyping/prototypes.htm</a> )									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	O/IRN/8/2005	IRN05-08	639	610	0	95.46	4.54	ME-SA	PanAsia-2
2	O/UKG/35/2001 (AJ539141)	UKG01-35	639	594	0	92.96	7.04	ME-SA	PanAsia
3	O/IND/53/79 (AF292107)	IND79A53	639	565	0	88.42	11.58	ME-SA	unnamed
4	O1/Manisa/TUR/69 (AY593823)	TUR69--G	639	556	0	87.01	12.99	ME-SA	unnamed
5	O/IND/R2/75* (AF204276)	IND75--A	639	555	0	86.85	13.15	ME-SA	unnamed
6	O/TAI/189/87* (TRRL)	TAI87-AC	639	549	0	85.92	14.08	SEA	unnamed
7	O/MYA/7/98 (DQ164925)	MYA98-07	639	545	0	85.29	14.71	SEA	Mya-98
8	O/ETH/1/2007 (FJ798137)	ETH07-01	639	542	0	84.82	15.18	EA-3	unnamed
9	O/SUD/2/86 (DQ165075)	SUD86-02	639	540	0	84.51	15.49	EA-3	unnamed
10	O/CAM/3/98 (AJ294910)	CAM98-03	639	538	0	84.19	15.81	SEA	Cam-94

nt, nucleotides

\*, not a WRLFMD reference number

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# FAO World Reference Laboratory for FMD Genotyping Report

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Serotype: O	Report date: 26/02/2010
WRLFMD Ref No: TUR/4/2010	Reported by: N.J. Knowles
Batch No: WRLFMD/2010/00003	Checked by: D.P. King
Sender Ref: 9/2010	
Location: Central District, Elazig, Turkey	Topotype: ME-SA
Date collected: 2010	Genotype/strain: PanAsia-2
Date received by WRLFMD: 04/02/2010	Sequence filename: TUR10-04.SEQ
Date received for sequencing: 17/02/2010	Date sequence last updated: 26/02/2010
Species: Cattle	No. of Nt determined: 639
Material used: BTy1	No. of ambiguities: 0
Region sequenced: VP1	Gene length: 639
RT-PCR primers: O-1C244F/EUR-2B52R	Total no. of comparisons: 2243
O-1C272F/EUR-2B52R	Min. no. of nt for comparison: 300
	Total turn-around time: 22 days
	Sequencing time: 9 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	O/TUR/38/2010* (FMDI)	TUR10-AD	636	636	0	100.00	0.00	ME-SA	PanAsia-2
2	O/TUR/46/2010* (FMDI)	TUR10-AE	636	635	0	99.84	0.16	ME-SA	PanAsia-2
3	O/TUR/5/2010	TUR10-05	639	638	0	99.84	0.16	ME-SA	PanAsia-2
4	O/TUR/51/2010* (FMDI)	TUR10-AG	636	635	0	99.84	0.16	ME-SA	PanAsia-2
5	O/TUR/54/2010* (FMDI)	TUR10-AH	636	635	0	99.84	0.16	ME-SA	PanAsia-2
6	O/TUR/58/2010* (FMDI)	TUR10-AI	636	635	0	99.84	0.16	ME-SA	PanAsia-2
7	O/TUR/60/2010* (FMDI)	TUR10-AK	636	634	0	99.69	0.31	ME-SA	PanAsia-2
8	O/TUR/34/2010* (FMDI)	TUR10-AC	636	633	0	99.53	0.47	ME-SA	PanAsia-2
9	O/TUR/17/2009	TUR09-17	639	630	0	98.59	1.41	ME-SA	PanAsia-2
10	O/TUR/313/2008* (FMDI)	TUR08-AE	639	630	0	98.59	1.41	ME-SA	PanAsia-2
Most Closely Related Reference Viruses									
(see <a href="http://www.wrlfmd.org/fmd_genotyping/prototypes.htm">http://www.wrlfmd.org/fmd_genotyping/prototypes.htm</a> )									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	O/IRN/8/2005	IRN05-08	639	608	0	95.15	4.85	ME-SA	PanAsia-2
2	O/UKG/35/2001 (AJ539141)	UKG01-35	639	596	0	93.27	6.73	ME-SA	PanAsia
3	O/IND/53/79 (AF292107)	IND79A53	639	565	0	88.42	11.58	ME-SA	unnamed
4	O1/Manisa/TUR/69 (AY593823)	TUR69--G	639	563	0	88.11	11.89	ME-SA	unnamed
5	O/IND/R2/75* (AF204276)	IND75--A	639	560	0	87.64	12.36	ME-SA	unnamed
6	O/TAI/189/87* (TRRL)	TAI87-AC	639	552	0	86.38	13.62	SEA	unnamed
7	O/MYA/7/98 (DQ164925)	MYA98-07	639	549	0	85.92	14.08	SEA	Mya-98
8	O/CAM/3/98 (AJ294910)	CAM98-03	639	543	0	84.98	15.02	SEA	Cam-94
9	O/ETH/1/2007 (FJ798137)	ETH07-01	639	542	0	84.82	15.18	EA-3	unnamed
10	O/K40/84*	KEN84-40	639	541	0	84.66	15.34	EA-1	unnamed

nt, nucleotides

\*, not a WRLFMD reference number

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# FAO World Reference Laboratory for FMD Genotyping Report

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Serotype: O	Report date: 26/02/2010
WRLFMD Ref No: TUR/5/2010	Reported by: N.J. Knowles
Batch No: WRLFMD/2010/00003	Checked by: D.P. King
Sender Ref: 19/20190	
Location: Yazikonak, Merkez, Elazig, Turkey	Topotype: ME-SA
Date collected: 2010	Genotype/strain: PanAsia-2
Date received by WRLFMD: 04/02/2010	Sequence filename: TUR10-05.SEQ
Date received for sequencing: 17/02/2010	Date sequence last updated: 26/02/2010
Species: Cattle	No. of Nt determined: 639
Material used: BTy1	No. of ambiguities: 0
Region sequenced: VP1	Gene length: 639
RT-PCR primers: O-1C244F/EUR-2B52R	Total no. of comparisons: 2243
O-1C272F/EUR-2B52R	Min. no. of nt for comparison: 300
	Total turn-around time: 22 days
	Sequencing time: 9 days
Comments:	

<b>Most Closely Related Viruses</b>									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	O/TUR/38/2010* (FMDI)	TUR10-AD	636	635	0	99.84	0.16	ME-SA	PanAsia-2
2	O/TUR/4/2010	TUR10-04	639	638	0	99.84	0.16	ME-SA	PanAsia-2
3	O/TUR/34/2010* (FMDI)	TUR10-AC	636	634	0	99.69	0.31	ME-SA	PanAsia-2
4	O/TUR/46/2010* (FMDI)	TUR10-AE	636	634	0	99.69	0.31	ME-SA	PanAsia-2
5	O/TUR/51/2010* (FMDI)	TUR10-AG	636	634	0	99.69	0.31	ME-SA	PanAsia-2
6	O/TUR/54/2010* (FMDI)	TUR10-AH	636	634	0	99.69	0.31	ME-SA	PanAsia-2
7	O/TUR/58/2010* (FMDI)	TUR10-AI	636	634	0	99.69	0.31	ME-SA	PanAsia-2
8	O/TUR/60/2010* (FMDI)	TUR10-AK	636	633	0	99.53	0.47	ME-SA	PanAsia-2
9	O/TUR/17/2009	TUR09-17	639	629	0	98.44	1.56	ME-SA	PanAsia-2
10	O/TUR/313/2008* (FMDI)	TUR08-AE	639	629	0	98.44	1.56	ME-SA	PanAsia-2
<b>Most Closely Related Reference Viruses</b>									
(see <a href="http://www.wrlfmd.org/fmd_genotyping/prototypes.htm">http://www.wrlfmd.org/fmd_genotyping/prototypes.htm</a> )									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	O/IRN/8/2005	IRN05-08	639	607	0	94.99	5.01	ME-SA	PanAsia-2
2	O/UKG/35/2001 (AJ539141)	UKG01-35	639	595	0	93.11	6.89	ME-SA	PanAsia
3	O/IND/53/79 (AF292107)	IND79A53	639	564	0	88.26	11.74	ME-SA	unnamed
4	O1/Manisa/TUR/69 (AY593823)	TUR69--G	639	562	0	87.95	12.05	ME-SA	unnamed
5	O/IND/R2/75* (AF204276)	IND75--A	639	559	0	87.48	12.52	ME-SA	unnamed
6	O/TAI/189/87* (TRRL)	TAI87-AC	639	551	0	86.23	13.77	SEA	unnamed
7	O/MYA/7/98 (DQ164925)	MYA98-07	639	550	0	86.07	13.93	SEA	Mya-98
8	O/CAM/3/98 (AJ294910)	CAM98-03	639	542	0	84.82	15.18	SEA	Cam-94
9	O/ETH/1/2007 (FJ798137)	ETH07-01	639	541	0	84.66	15.34	EA-3	unnamed
10	O/K40/84*	KEN84-40	639	540	0	84.51	15.49	EA-1	unnamed

nt, nucleotides

\*, not a WRLFMD reference number

Assembled with Report Generator v3.0

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# Report on FMDV O in Turkey in 2009-2010

Batch: WRLFMD/2010/00003

Software: MEGA 4.0

No. of Taxa : 379

Data File : n:\evd\meg\db\fmdv\o\tur2010b.meg

Data Title : O Turkey 2009-2010

Data Type : Nucleotide (Coding)

Analysis : Phylogeny reconstruction

Tree Inference : =====

->Method : Neighbor-Joining

->Phylogeny Test and options : Bootstrap (1000 replicates; seed=64238)

Include Sites : =====

->Gaps/Missing Data : Pairwise Deletion

->Codon Positions : 1st+2nd+3rd+Noncoding

Substitution Model : =====

->Model : Nucleotide: Kimura 2-parameter

->Substitutions to Include : d: Transitions + Transversions

->Pattern among Lineages : Same (Homogeneous)

->Rates among sites : Uniform rates

No. of Sites : 639

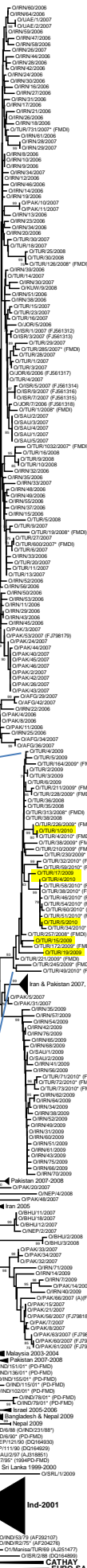
No Of Bootstrap Reps = 1000

Only bootstrap values of 70% and above are shown

\* , not a WRLFMD Ref. No.

N.J. Knowles & J. Wadsworth, 26 February 2010

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PanAsia-2

ME-SA

