



INSTITUTE FOR ANIMAL HEALTH

Acting Director: Professor David Paton MA, VetMB, PhD, MRCVS

PIRBRIGHT LABORATORY

Ash Road,

Pirbright,

Surrey,

GU24 0NF

Intn Tel: 00 44 1483 232441

Tel: 01483 232441 Fax: 01483 232621

FMD Sequencing Report

Lab Reference WRL Batch Number: WRLFMD/2011/00013

Sender Details:



Date Received: 25th February 2011

Country of Origin: Turkey

Date Reported: 28th March 2011

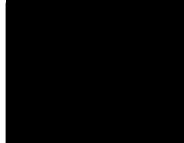
Dear Dr. Musa Alkan,

Re.: Serotype A

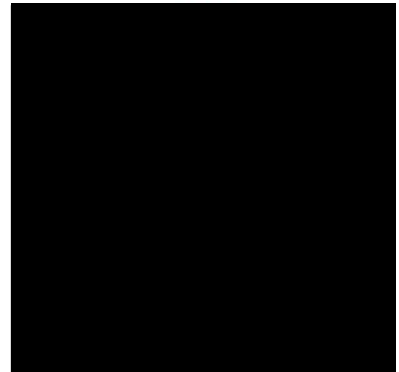
Sequencing work has now been completed in respect of the samples you submitted and the details are as attached. Please note that all of our phylogenetic trees can be accessed via the internet at:

<http://www.wrlfmd.org/>

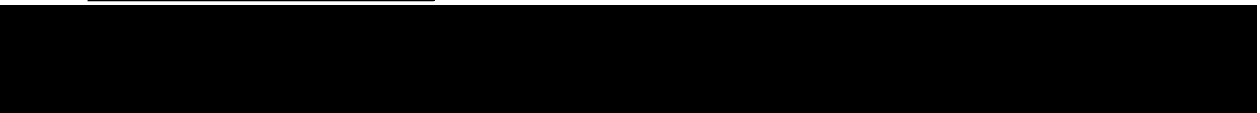
Results Approved By:



Official Stamp:



Date:



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)

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

Genotyping Report

Report Date for this Batch: 23 March 2011

FMDV type A

Country: Turkey

Period: 2010-2011

No. of samples: 19

BATCH: WRLFMD/2011/00013



The contents of this report are copyright and should not be reproduced without permission

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

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

Page 1 of 1

Serotype: A WRLFMD Ref No: TUR/40/2010 Batch No: WRLFMD/2011/00013 Sender Ref: 1538/30 Location: Yayla, Buldan, Denizli, Aegean An, Turkey Date collected: 22/11/2010 Date received by WRLFMD: 25/02/2011 Date received for sequencing: 04/03/2011 Species: Cattle Material used: BTy2 Region sequenced: VP1 RT-PCR primers: A-1C562F/EUR-2B52R A-1C612F/EUR-2B52R	Report date: 23/03/2011 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ASIA Genotype/strain: Iran-05 ^{AFG-07} Sequence filename: TUR10-40.SEQ Date sequence last updated: 08/03/2011 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 1213 Min. no. of nt for comparison: 600 Total turn-around time: 26 days Sequencing time: 19 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	A/TUR/1538/2010* (FMDI)	TUR10-AN	639	639	0	100.00	0.00	ASIA	Iran-05 ^{AFG-07}
2	A/PAK/37/2010	PAK10-37	639	636	0	99.53	0.47	ASIA	Iran-05 ^{AFG-07}
3	A/TUR/26/2011	TUR11-26	639	636	0	99.53	0.47	ASIA	Iran-05 ^{AFG-07}
4	A/TUR/5/2011	TUR11-05	639	635	0	99.37	0.63	ASIA	Iran-05 ^{AFG-07}
5	A/IRN/125/2010	IRN10125	639	634	0	99.22	0.78	ASIA	Iran-05 ^{AFG-07}
6	A/TUR/10/2011	TUR11-10	639	634	0	99.22	0.78	ASIA	Iran-05 ^{AFG-07}
7	A/TUR/13/2011	TUR11-13	639	634	0	99.22	0.78	ASIA	Iran-05 ^{AFG-07}
8	A/TUR/16/2011	TUR11-16	639	634	0	99.22	0.78	ASIA	Iran-05 ^{AFG-07}
9	A/TUR/18/2011	TUR11-18	639	634	0	99.22	0.78	ASIA	Iran-05 ^{AFG-07}
10	A/TUR/21/2011	TUR11-21	639	634	0	99.22	0.78	ASIA	Iran-05 ^{AFG-07}
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	A/AFG/6/2007	AFG07-06	639	604	0	94.52	5.48	ASIA	Iran-05 ^{AFG-07}
2	A/TUR/33/2008	TUR08-33	639	597	0	93.43	6.57	ASIA	Iran-05 ^{EZM-07}
3	A/BAR/6/2008	BAR08-06	639	596	0	93.27	6.73	ASIA	Iran-05 ^{BAR-08}
4	A/IRN/1/2005 (EF208769)	IRN05-01	639	596	0	93.27	6.73	ASIA	Iran-05
5	A/TUR/1/2008	TUR08-01	639	594	0	92.96	7.04	ASIA	Iran-05 ^{ARD-07}
6	A/IRN/22/99 (EF208772)	IRN99-22	636	539	0	84.75	15.25	ASIA	Iran-99
7	A/IRN/2/87 (EF208770)	IRN87-02	636	536	0	84.28	15.72	ASIA	Iran-87
8	A/TAI/118/87* (EF208777)	TAI87-AD	636	531	0	83.49	16.51	ASIA	Thai-87
9	A15/Bangkok/TAI/60 (AY593755)	TAI60--D	639	527	0	82.47	17.53	ASIA	A15
10	A22/IRQ/64 (AY593763)	IRQ64--A	639	527	0	82.47	17.53	ASIA	A22

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v4.0

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

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

Page 1 of 1

Serotype: A WRLFMD Ref No: TUR/43/2010 Batch No: WRLFMD/2011/00013 Sender Ref: 3/2011 Location: Inkoy, Merkez, Kutahya, Aegean An, Turkey Date collected: 26/12/2010 Date received by WRLFMD: 25/02/2011 Date received for sequencing: 01/03/2011 Species: Cattle Material used: BTy1 Region sequenced: VP1 RT-PCR primers: A-1C562F/EUR-2B52R A-1C612F/EUR-2B52R	Report date: 23/03/2011 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ASIA Genotype/strain: Iran-05 ^{AFG-07} Sequence filename: TUR10-43.SEQ Date sequence last updated: 03/03/2011 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 1213 Min. no. of nt for comparison: 600 Total turn-around time: 26 days Sequencing time: 22 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	A/TUR/3/2011* (FMDI)	TUR11-AA	639	639	0	100.00	0.00	ASIA	Iran-05 ^{AFG-07}
2	A/IRN/212/2010	IRN10212	639	631	0	98.75	1.25	ASIA	Iran-05 ^{AFG-07}
3	A/IRN/213/2010	IRN10213	639	631	0	98.75	1.25	ASIA	Iran-05 ^{AFG-07}
4	A/IRN/214/2010	IRN10214	639	631	0	98.75	1.25	ASIA	Iran-05 ^{AFG-07}
5	A/IRN/125/2010	IRN10125	639	627	0	98.12	1.88	ASIA	Iran-05 ^{AFG-07}
6	A/IRN/151/2010	IRN10151	639	625	0	97.81	2.19	ASIA	Iran-05 ^{AFG-07}
7	A/PAK/37/2010	PAK10-37	639	625	0	97.81	2.19	ASIA	Iran-05 ^{AFG-07}
8	A/TUR/5/2011	TUR11-05	639	624	0	97.65	2.35	ASIA	Iran-05 ^{AFG-07}
9	A/TUR/9/2011* (FMDI)	TUR11-AB	639	624	0	97.65	2.35	ASIA	Iran-05 ^{AFG-07}
10	A/TUR/10/2011	TUR11-10	639	623	0	97.50	2.50	ASIA	Iran-05 ^{AFG-07}
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	A/AFG/6/2007	AFG07-06	639	602	0	94.21	5.79	ASIA	Iran-05 ^{AFG-07}
2	A/BAR/6/2008	BAR08-06	639	594	0	92.96	7.04	ASIA	Iran-05 ^{BAR-08}
3	A/IRN/1/2005 (EF208769)	IRN05-01	639	592	0	92.64	7.36	ASIA	Iran-05
4	A/TUR/1/2008	TUR08-01	639	592	0	92.64	7.36	ASIA	Iran-05 ^{ARD-07}
5	A/TUR/33/2008	TUR08-33	639	589	0	92.18	7.82	ASIA	Iran-05 ^{EZM-07}
6	A/IRN/22/99 (EF208772)	IRN99-22	636	539	0	84.75	15.25	ASIA	Iran-99
7	A/IRN/2/87 (EF208770)	IRN87-02	636	535	0	84.12	15.88	ASIA	Iran-87
8	A/TAI/118/87* (EF208777)	TAI87-AD	636	528	0	83.02	16.98	ASIA	Thai-87
9	A/IRN/1/96 (EF208771)	IRN96-01	638	523	1	81.97	18.03	ASIA	Iran-96
10	A/TAI/2/97 (EF208778)	TAI97-02	636	521	0	81.92	18.08	ASIA	Thai-97

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v4.0

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

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

Page 1 of 1

Serotype: A WRLFMD Ref No: TUR/2/2011 Batch No: WRLFMD/2011/00013 Sender Ref: 66/2011 Location: Mismilagac, Havza, Samsun, Black Sea, Turkey Date collected: 01/01/2011 Date received by WRLFMD: 25/02/2011 Date received for sequencing: 04/03/2011 Species: Cattle Material used: BTy1 Region sequenced: VP1 RT-PCR primers: A-1C562F/EUR-2B52R A-1C612F/EUR-2B52R	Report date: 23/03/2011 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ASIA Genotype/strain: Iran-05 ^{AFG-07} Sequence filename: TUR11-02.SEQ Date sequence last updated: 08/03/2011 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 1213 Min. no. of nt for comparison: 600 Total turn-around time: 26 days Sequencing time: 19 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	A/TUR/15/2011	TUR11-15	639	635	0	99.37	0.63	ASIA	Iran-05 ^{AFG-07}
2	A/TUR/20/2010(A)	TUR10A20	639	634	0	99.22	0.78	ASIA	Iran-05 ^{AFG-07}
3	A/TUR/28/2010	TUR10-28	639	634	0	99.22	0.78	ASIA	Iran-05 ^{AFG-07}
4	A/TUR/151/2010* (FMDI)	TUR10-AG	639	633	0	99.06	0.94	ASIA	Iran-05 ^{AFG-07}
5	A/TUR/34/2010	TUR10-34	639	633	0	99.06	0.94	ASIA	Iran-05 ^{AFG-07}
6	A/TUR/99/2010* (FMDI)	TUR10-AA	639	632	0	98.90	1.10	ASIA	Iran-05 ^{AFG-07}
7	A/TUR/161/2010* (FMDI)	TUR10-AM	639	631	0	98.75	1.25	ASIA	Iran-05 ^{AFG-07}
8	A/IRN/15/2009	IRN09-15	639	625	0	97.81	2.19	ASIA	Iran-05 ^{AFG-07}
9	A/IRN/26/2009	IRN09-26	639	625	0	97.81	2.19	ASIA	Iran-05 ^{AFG-07}
10	A/IRN/36/2009	IRN09-36	639	625	0	97.81	2.19	ASIA	Iran-05 ^{AFG-07}
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	A/AFG/6/2007	AFG07-06	639	617	0	96.56	3.44	ASIA	Iran-05 ^{AFG-07}
2	A/BAR/6/2008	BAR08-06	639	604	0	94.52	5.48	ASIA	Iran-05 ^{BAR-08}
3	A/IRN/1/2005 (EF208769)	IRN05-01	639	604	0	94.52	5.48	ASIA	Iran-05
4	A/TUR/1/2008	TUR08-01	639	598	0	93.58	6.42	ASIA	Iran-05 ^{ARD-07}
5	A/TUR/33/2008	TUR08-33	639	595	0	93.11	6.89	ASIA	Iran-05 ^{EZM-07}
6	A/IRN/2/87 (EF208770)	IRN87-02	636	537	0	84.43	15.57	ASIA	Iran-87
7	A22/IRQ/64 (AY593763)	IRQ64--A	639	536	0	83.88	16.12	ASIA	A ₂₂
8	A/TAI/118/87* (EF208777)	TAI87-AD	636	532	0	83.65	16.35	ASIA	Thai-87
9	A/IRN/22/99 (EF208772)	IRN99-22	636	526	0	82.70	17.30	ASIA	Iran-99
10	A15/Bangkok/TAI/60 (AY593755)	TAI60--D	639	527	0	82.47	17.53	ASIA	A ₁₅

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v4.0

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

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

Page 1 of 1

Serotype: A WRLFMD Ref No: TUR/3/2011 Batch No: WRLFMD/2011/00013 Sender Ref: 331/2011 Location: Cayustu, Olyu, Erzerum, East Anatolia, Turkey Date collected: 01/01/2011 Date received by WRLFMD: 25/02/2011 Date received for sequencing: 04/03/2011 Species: Cattle Material used: BTy1 Region sequenced: VP1 RT-PCR primers: A-1C562F/EUR-2B52R A-1C612F/EUR-2B52R	Report date: 23/03/2011 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ASIA Genotype/strain: Iran-05 ^{AFG-07} Sequence filename: TUR11-03.SEQ Date sequence last updated: 18/03/2011 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 1213 Min. no. of nt for comparison: 600 Total turn-around time: 26 days Sequencing time: 19 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	A/TUR/1538/2010* (FMDI)	TUR10-AN	639	634	0	99.22	0.78	ASIA	Iran-05 ^{AFG-07}
2	A/TUR/40/2010	TUR10-40	639	634	0	99.22	0.78	ASIA	Iran-05 ^{AFG-07}
3	A/TUR/5/2011	TUR11-05	639	634	0	99.22	0.78	ASIA	Iran-05 ^{AFG-07}
4	A/IRN/125/2010	IRN10125	639	633	0	99.06	0.94	ASIA	Iran-05 ^{AFG-07}
5	A/PAK/37/2010	PAK10-37	639	633	0	99.06	0.94	ASIA	Iran-05 ^{AFG-07}
6	A/TUR/10/2011	TUR11-10	639	633	0	99.06	0.94	ASIA	Iran-05 ^{AFG-07}
7	A/TUR/13/2011	TUR11-13	639	633	0	99.06	0.94	ASIA	Iran-05 ^{AFG-07}
8	A/TUR/16/2011	TUR11-16	639	633	0	99.06	0.94	ASIA	Iran-05 ^{AFG-07}
9	A/TUR/18/2011	TUR11-18	639	633	0	99.06	0.94	ASIA	Iran-05 ^{AFG-07}
10	A/TUR/21/2011	TUR11-21	639	633	0	99.06	0.94	ASIA	Iran-05 ^{AFG-07}
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	A/AFG/6/2007	AFG07-06	639	603	0	94.37	5.63	ASIA	Iran-05 ^{AFG-07}
2	A/BAR/6/2008	BAR08-06	639	597	0	93.43	6.57	ASIA	Iran-05 ^{BAR-08}
3	A/IRN/1/2005 (EF208769)	IRN05-01	639	597	0	93.43	6.57	ASIA	Iran-05
4	A/TUR/33/2008	TUR08-33	639	594	0	92.96	7.04	ASIA	Iran-05 ^{EZM-07}
5	A/TUR/1/2008	TUR08-01	639	593	0	92.80	7.20	ASIA	Iran-05 ^{ARD-07}
6	A/IRN/22/99 (EF208772)	IRN99-22	636	536	0	84.28	15.72	ASIA	Iran-99
7	A/IRN/2/87 (EF208770)	IRN87-02	636	531	0	83.49	16.51	ASIA	Iran-87
8	A/TAI/118/87* (EF208777)	TAI87-AD	636	528	0	83.02	16.98	ASIA	Thai-87
9	A15/Bangkok/TAI/60 (AY593755)	TAI60--D	639	526	0	82.32	17.68	ASIA	A ₁₅
10	A22/IRQ/64 (AY593763)	IRQ64--A	639	526	0	82.32	17.68	ASIA	A ₂₂

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v4.0

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

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

Page 1 of 1

Serotype: A WRLFMD Ref No: TUR/5/2011 Batch No: WRLFMD/2011/00013 Sender Ref: 53/2011 Location: Cumhuriyet, Merkez, Tunceli, East An., Turkey Date collected: 05/01/2011 Date received by WRLFMD: 25/02/2011 Date received for sequencing: 04/03/2011 Species: Cattle Material used: BTy1 Region sequenced: VP1 RT-PCR primers: A-1C562F/EUR-2B52R A-1C612F/EUR-2B52R	Report date: 23/03/2011 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ASIA Genotype/strain: Iran-05 ^{AFG-07} Sequence filename: TUR11-05.SEQ Date sequence last updated: 08/03/2011 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 1213 Min. no. of nt for comparison: 600 Total turn-around time: 26 days Sequencing time: 19 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	A/TUR/10/2011	TUR11-10	639	638	0	99.84	0.16	ASIA	Iran-05 ^{AFG-07}
2	A/TUR/13/2011	TUR11-13	639	638	0	99.84	0.16	ASIA	Iran-05 ^{AFG-07}
3	A/TUR/16/2011	TUR11-16	639	638	0	99.84	0.16	ASIA	Iran-05 ^{AFG-07}
4	A/TUR/18/2011	TUR11-18	639	638	0	99.84	0.16	ASIA	Iran-05 ^{AFG-07}
5	A/TUR/21/2011	TUR11-21	639	638	0	99.84	0.16	ASIA	Iran-05 ^{AFG-07}
6	A/TUR/23/2011	TUR11-23	639	638	0	99.84	0.16	ASIA	Iran-05 ^{AFG-07}
7	A/TUR/9/2011* (FMDI)	TUR11-AB	639	638	0	99.84	0.16	ASIA	Iran-05 ^{AFG-07}
8	A/TUR/24/2011	TUR11-24	639	637	0	99.69	0.31	ASIA	Iran-05 ^{AFG-07}
9	A/TUR/6/2011	TUR11-06	639	637	0	99.69	0.31	ASIA	Iran-05 ^{AFG-07}
10	A/TUR/7/2011	TUR11-07	639	637	0	99.69	0.31	ASIA	Iran-05 ^{AFG-07}
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	A/AFG/6/2007	AFG07-06	639	606	0	94.84	5.16	ASIA	Iran-05 ^{AFG-07}
2	A/BAR/6/2008	BAR08-06	639	598	0	93.58	6.42	ASIA	Iran-05 ^{BAR-08}
3	A/IRN/1/2005 (EF208769)	IRN05-01	639	596	0	93.27	6.73	ASIA	Iran-05
4	A/TUR/33/2008	TUR08-33	639	595	0	93.11	6.89	ASIA	Iran-05 ^{EZM-07}
5	A/TUR/1/2008	TUR08-01	639	594	0	92.96	7.04	ASIA	Iran-05 ^{ARD-07}
6	A/IRN/22/99 (EF208772)	IRN99-22	636	539	0	84.75	15.25	ASIA	Iran-99
7	A/IRN/2/87 (EF208770)	IRN87-02	636	532	0	83.65	16.35	ASIA	Iran-87
8	A/TAI/118/87* (EF208777)	TAI87-AD	636	529	0	83.18	16.82	ASIA	Thai-87
9	A15/Bangkok/TAI/60 (AY593755)	TAI60--D	639	528	0	82.63	17.37	ASIA	A ₁₅
10	A22/IRQ/64 (AY593763)	IRQ64--A	639	525	0	82.16	17.84	ASIA	A ₂₂

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v4.0

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

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

Page 1 of 1

Serotype: A WRLFMD Ref No: TUR/6/2011 Batch No: WRLFMD/2011/00013 Sender Ref: 133/2011 Location: Kaleoanu, Merkez, Bingol, East an., Turkey Date collected: 10/01/2011 Date received by WRLFMD: 25/02/2011 Date received for sequencing: 04/03/2011 Species: Not Known Material used: BTy1 Region sequenced: VP1 RT-PCR primers: A-1C562F/EUR-2B52R A-1C612F/EUR-2B52R	Report date: 23/03/2011 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ASIA Genotype/strain: Iran-05 ^{AFG-07} Sequence filename: TUR11-06.SEQ Date sequence last updated: 08/03/2011 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 1213 Min. no. of nt for comparison: 600 Total turn-around time: 26 days Sequencing time: 19 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	A/TUR/5/2011	TUR11-05	639	637	0	99.69	0.31	ASIA	Iran-05 ^{AFG-07}
2	A/TUR/10/2011	TUR11-10	639	636	0	99.53	0.47	ASIA	Iran-05 ^{AFG-07}
3	A/TUR/13/2011	TUR11-13	639	636	0	99.53	0.47	ASIA	Iran-05 ^{AFG-07}
4	A/TUR/16/2011	TUR11-16	639	636	0	99.53	0.47	ASIA	Iran-05 ^{AFG-07}
5	A/TUR/18/2011	TUR11-18	639	636	0	99.53	0.47	ASIA	Iran-05 ^{AFG-07}
6	A/TUR/21/2011	TUR11-21	639	636	0	99.53	0.47	ASIA	Iran-05 ^{AFG-07}
7	A/TUR/23/2011	TUR11-23	639	636	0	99.53	0.47	ASIA	Iran-05 ^{AFG-07}
8	A/TUR/9/2011* (FMDI)	TUR11-AB	639	636	0	99.53	0.47	ASIA	Iran-05 ^{AFG-07}
9	A/TUR/24/2011	TUR11-24	639	635	0	99.37	0.63	ASIA	Iran-05 ^{AFG-07}
10	A/TUR/7/2011	TUR11-07	639	635	0	99.37	0.63	ASIA	Iran-05 ^{AFG-07}
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	A/AFG/6/2007	AFG07-06	639	604	0	94.52	5.48	ASIA	Iran-05 ^{AFG-07}
2	A/BAR/6/2008	BAR08-06	639	596	0	93.27	6.73	ASIA	Iran-05 ^{BAR-08}
3	A/IRN/1/2005 (EF208769)	IRN05-01	639	594	0	92.96	7.04	ASIA	Iran-05
4	A/TUR/33/2008	TUR08-33	639	593	0	92.80	7.20	ASIA	Iran-05 ^{EZM-07}
5	A/TUR/1/2008	TUR08-01	639	592	0	92.64	7.36	ASIA	Iran-05 ^{ARD-07}
6	A/IRN/22/99 (EF208772)	IRN99-22	636	537	0	84.43	15.57	ASIA	Iran-99
7	A/IRN/2/87 (EF208770)	IRN87-02	636	530	0	83.33	16.67	ASIA	Iran-87
8	A/TAI/118/87* (EF208777)	TAI87-AD	636	528	0	83.02	16.98	ASIA	Thai-87
9	A15/Bangkok/TAI/60 (AY593755)	TAI60--D	639	526	0	82.32	17.68	ASIA	A ₁₅
10	A22/IRQ/64 (AY593763)	IRQ64--A	639	523	0	81.85	18.15	ASIA	A ₂₂

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v4.0

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

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

Page 1 of 1

Serotype: A WRLFMD Ref No: TUR/7/2011 Batch No: WRLFMD/2011/00013 Sender Ref: 212/2011 Location: Belkara Casren, Merkez, Afyonkarahisar, Aegean, Turkey Date collected: 14/01/2011 Date received by WRLFMD: 25/02/2011 Date received for sequencing: 04/03/2011 Species: Cattle Material used: BTy1 Region sequenced: VP1 RT-PCR primers: A-1C562F/EUR-2B52R A-1C612F/EUR-2B52R	Report date: 23/03/2011 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ASIA Genotype/strain: Iran-05 ^{AFG-07} Sequence filename: TUR11-07.SEQ Date sequence last updated: 08/03/2011 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 1213 Min. no. of nt for comparison: 600 Total turn-around time: 26 days Sequencing time: 19 days
---	---

Comments:

Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	A/TUR/5/2011	TUR11-05	639	637	0	99.69	0.31	ASIA	Iran-05 ^{AFG-07}
2	A/TUR/10/2011	TUR11-10	639	636	0	99.53	0.47	ASIA	Iran-05 ^{AFG-07}
3	A/TUR/13/2011	TUR11-13	639	636	0	99.53	0.47	ASIA	Iran-05 ^{AFG-07}
4	A/TUR/16/2011	TUR11-16	639	636	0	99.53	0.47	ASIA	Iran-05 ^{AFG-07}
5	A/TUR/18/2011	TUR11-18	639	636	0	99.53	0.47	ASIA	Iran-05 ^{AFG-07}
6	A/TUR/21/2011	TUR11-21	639	636	0	99.53	0.47	ASIA	Iran-05 ^{AFG-07}
7	A/TUR/23/2011	TUR11-23	639	636	0	99.53	0.47	ASIA	Iran-05 ^{AFG-07}
8	A/TUR/9/2011* (FMDI)	TUR11-AB	639	636	0	99.53	0.47	ASIA	Iran-05 ^{AFG-07}
9	A/TUR/24/2011	TUR11-24	639	635	0	99.37	0.63	ASIA	Iran-05 ^{AFG-07}
10	A/TUR/6/2011	TUR11-06	639	635	0	99.37	0.63	ASIA	Iran-05 ^{AFG-07}

Most Closely Related Reference Viruses

(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)

Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	A/AFG/6/2007	AFG07-06	639	604	0	94.52	5.48	ASIA	Iran-05 ^{AFG-07}
2	A/BAR/6/2008	BAR08-06	639	598	0	93.58	6.42	ASIA	Iran-05 ^{BAR-08}
3	A/IRN/1/2005 (EF208769)	IRN05-01	639	594	0	92.96	7.04	ASIA	Iran-05
4	A/TUR/33/2008	TUR08-33	639	593	0	92.80	7.20	ASIA	Iran-05 ^{EZM-07}
5	A/TUR/1/2008	TUR08-01	639	592	0	92.64	7.36	ASIA	Iran-05 ^{ARD-07}
6	A/IRN/22/99 (EF208772)	IRN99-22	636	537	0	84.43	15.57	ASIA	Iran-99
7	A/IRN/2/87 (EF208770)	IRN87-02	636	532	0	83.65	16.35	ASIA	Iran-87
8	A/TAI/118/87* (EF208777)	TAI87-AD	636	531	0	83.49	16.51	ASIA	Thai-87
9	A15/Bangkok/TAI/60 (AY593755)	TAI60--D	639	528	0	82.63	17.37	ASIA	A ₁₅
10	A22/IRQ/64 (AY593763)	IRQ64--A	639	527	0	82.47	17.53	ASIA	A ₂₂

nt, nucleotides
 *, not a WRLFMD reference number
 Assembled with Report Generator v4.0
 © Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

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

Page 1 of 1

Serotype: A WRLFMD Ref No: TUR/10/2011 Batch No: WRLFMD/2011/00013 Sender Ref: 282/2011 Location: Dadak, Suhut, Afyonkarahisar, Aegean, Turkey Date collected: 16/01/2011 Date received by WRLFMD: 25/02/2011 Date received for sequencing: 04/03/2011 Species: Cattle Material used: BTy1 Region sequenced: VP1 RT-PCR primers: A-1C562F/EUR-2B52R A-1C612F/EUR-2B52R	Report date: 23/03/2011 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ASIA Genotype/strain: Iran-05 ^{AFG-07} Sequence filename: TUR11-10.SEQ Date sequence last updated: 08/03/2011 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 1213 Min. no. of nt for comparison: 600 Total turn-around time: 26 days Sequencing time: 19 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	A/TUR/5/2011	TUR11-05	639	638	0	99.84	0.16	ASIA	Iran-05 ^{AFG-07}
2	A/TUR/13/2011	TUR11-13	639	637	0	99.69	0.31	ASIA	Iran-05 ^{AFG-07}
3	A/TUR/16/2011	TUR11-16	639	637	0	99.69	0.31	ASIA	Iran-05 ^{AFG-07}
4	A/TUR/18/2011	TUR11-18	639	637	0	99.69	0.31	ASIA	Iran-05 ^{AFG-07}
5	A/TUR/21/2011	TUR11-21	639	637	0	99.69	0.31	ASIA	Iran-05 ^{AFG-07}
6	A/TUR/23/2011	TUR11-23	639	637	0	99.69	0.31	ASIA	Iran-05 ^{AFG-07}
7	A/TUR/9/2011* (FMDI)	TUR11-AB	639	637	0	99.69	0.31	ASIA	Iran-05 ^{AFG-07}
8	A/TUR/24/2011	TUR11-24	639	636	0	99.53	0.47	ASIA	Iran-05 ^{AFG-07}
9	A/TUR/6/2011	TUR11-06	639	636	0	99.53	0.47	ASIA	Iran-05 ^{AFG-07}
10	A/TUR/7/2011	TUR11-07	639	636	0	99.53	0.47	ASIA	Iran-05 ^{AFG-07}
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	A/AFG/6/2007	AFG07-06	639	605	0	94.68	5.32	ASIA	Iran-05 ^{AFG-07}
2	A/BAR/6/2008	BAR08-06	639	597	0	93.43	6.57	ASIA	Iran-05 ^{BAR-08}
3	A/TUR/33/2008	TUR08-33	639	596	0	93.27	6.73	ASIA	Iran-05 ^{EZM-07}
4	A/IRN/1/2005 (EF208769)	IRN05-01	639	595	0	93.11	6.89	ASIA	Iran-05
5	A/TUR/1/2008	TUR08-01	639	593	0	92.80	7.20	ASIA	Iran-05 ^{ARD-07}
6	A/IRN/22/99 (EF208772)	IRN99-22	636	540	0	84.91	15.09	ASIA	Iran-99
7	A/IRN/2/87 (EF208770)	IRN87-02	636	533	0	83.81	16.19	ASIA	Iran-87
8	A/TAI/118/87* (EF208777)	TAI87-AD	636	528	0	83.02	16.98	ASIA	Thai-87
9	A15/Bangkok/TAI/60 (AY593755)	TAI60--D	639	529	0	82.79	17.21	ASIA	A ₁₅
10	A22/IRQ/64 (AY593763)	IRQ64--A	639	526	0	82.32	17.68	ASIA	A ₂₂

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v4.0

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

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

Page 1 of 1

Serotype: A WRLFMD Ref No: TUR/11/2011 Batch No: WRLFMD/2011/00013 Sender Ref: 322/2011 Location: Mollakendi, Merkez, Elazig, East Anatolia, Turkey Date collected: 16/01/2011 Date received by WRLFMD: 25/02/2011 Date received for sequencing: 04/03/2011 Species: Cattle Material used: BTy1 Region sequenced: VP1 RT-PCR primers: A-1C562F/EUR-2B52R A-1C612F/EUR-2B52R	Report date: 23/03/2011 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ASIA Genotype/strain: Iran-05 ^{AFG-07} Sequence filename: TUR11-11.SEQ Date sequence last updated: 08/03/2011 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 1213 Min. no. of nt for comparison: 600 Total turn-around time: 26 days Sequencing time: 19 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	A/TUR/5/2011	TUR11-05	639	636	0	99.53	0.47	ASIA	Iran-05 ^{AFG-07}
2	A/TUR/10/2011	TUR11-10	639	635	0	99.37	0.63	ASIA	Iran-05 ^{AFG-07}
3	A/TUR/13/2011	TUR11-13	639	635	0	99.37	0.63	ASIA	Iran-05 ^{AFG-07}
4	A/TUR/16/2011	TUR11-16	639	635	0	99.37	0.63	ASIA	Iran-05 ^{AFG-07}
5	A/TUR/18/2011	TUR11-18	639	635	0	99.37	0.63	ASIA	Iran-05 ^{AFG-07}
6	A/TUR/21/2011	TUR11-21	639	635	0	99.37	0.63	ASIA	Iran-05 ^{AFG-07}
7	A/TUR/23/2011	TUR11-23	639	635	0	99.37	0.63	ASIA	Iran-05 ^{AFG-07}
8	A/TUR/9/2011* (FMDI)	TUR11-AB	639	635	0	99.37	0.63	ASIA	Iran-05 ^{AFG-07}
9	A/TUR/24/2011	TUR11-24	639	634	0	99.22	0.78	ASIA	Iran-05 ^{AFG-07}
10	A/TUR/6/2011	TUR11-06	639	634	0	99.22	0.78	ASIA	Iran-05 ^{AFG-07}
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	A/AFG/6/2007	AFG07-06	639	603	0	94.37	5.63	ASIA	Iran-05 ^{AFG-07}
2	A/BAR/6/2008	BAR08-06	639	595	0	93.11	6.89	ASIA	Iran-05 ^{BAR-08}
3	A/IRN/1/2005 (EF208769)	IRN05-01	639	593	0	92.80	7.20	ASIA	Iran-05
4	A/TUR/33/2008	TUR08-33	639	592	0	92.64	7.36	ASIA	Iran-05 ^{EZM-07}
5	A/TUR/1/2008	TUR08-01	639	591	0	92.49	7.51	ASIA	Iran-05 ^{ARD-07}
6	A/IRN/22/99 (EF208772)	IRN99-22	636	539	0	84.75	15.25	ASIA	Iran-99
7	A/IRN/2/87 (EF208770)	IRN87-02	636	530	0	83.33	16.67	ASIA	Iran-87
8	A/TAI/118/87* (EF208777)	TAI87-AD	636	528	0	83.02	16.98	ASIA	Thai-87
9	A15/Bangkok/TAI/60 (AY593755)	TAI60--D	639	528	0	82.63	17.37	ASIA	A ₁₅
10	A22/IRQ/64 (AY593763)	IRQ64--A	639	524	0	82.00	18.00	ASIA	A ₂₂

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v4.0

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

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

Page 1 of 1

Serotype: A	Report date: 23/03/2011
WRLFMD Ref No: TUR/13/2011	Reported by: N.J. Knowles
Batch No: WRLFMD/2011/00013	Checked by: D.P. King
Sender Ref: 248/2011	
Location: Kemberli, Viransehir, Sanlivrfa, South East Anatolia, Turkey	Topotype: ASIA
Date collected: 17/01/2011	Genotype/strain: Iran-05 ^{AFG-07}
Date received by WRLFMD: 25/02/2011	Sequence filename: TUR11-13.SEQ
Date received for sequencing: 04/03/2011	Date sequence last updated: 08/03/2011
Species: Cattle	No. of Nt determined: 639
Material used: BTy1	No. of ambiguities: 0
Region sequenced: VP1	Gene length: 639
RT-PCR primers: A-1C562F/EUR-2B52R A-1C612F/EUR-2B52R	Total no. of comparisons: 1213
	Min. no. of nt for comparison: 600
	Total turn-around time: 26 days
	Sequencing time: 19 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	A/TUR/5/2011	TUR11-05	639	638	0	99.84	0.16	ASIA	Iran-05 ^{AFG-07}
2	A/TUR/10/2011	TUR11-10	639	637	0	99.69	0.31	ASIA	Iran-05 ^{AFG-07}
3	A/TUR/16/2011	TUR11-16	639	637	0	99.69	0.31	ASIA	Iran-05 ^{AFG-07}
4	A/TUR/18/2011	TUR11-18	639	637	0	99.69	0.31	ASIA	Iran-05 ^{AFG-07}
5	A/TUR/21/2011	TUR11-21	639	637	0	99.69	0.31	ASIA	Iran-05 ^{AFG-07}
6	A/TUR/23/2011	TUR11-23	639	637	0	99.69	0.31	ASIA	Iran-05 ^{AFG-07}
7	A/TUR/9/2011* (FMDI)	TUR11-AB	639	637	0	99.69	0.31	ASIA	Iran-05 ^{AFG-07}
8	A/TUR/24/2011	TUR11-24	639	636	0	99.53	0.47	ASIA	Iran-05 ^{AFG-07}
9	A/TUR/6/2011	TUR11-06	639	636	0	99.53	0.47	ASIA	Iran-05 ^{AFG-07}
10	A/TUR/7/2011	TUR11-07	639	636	0	99.53	0.47	ASIA	Iran-05 ^{AFG-07}
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	A/AFG/6/2007	AFG07-06	639	605	0	94.68	5.32	ASIA	Iran-05 ^{AFG-07}
2	A/BAR/6/2008	BAR08-06	639	597	0	93.43	6.57	ASIA	Iran-05 ^{BAR-08}
3	A/IRN/1/2005 (EF208769)	IRN05-01	639	597	0	93.43	6.57	ASIA	Iran-05
4	A/TUR/33/2008	TUR08-33	639	594	0	92.96	7.04	ASIA	Iran-05 ^{EZM-07}
5	A/TUR/1/2008	TUR08-01	639	593	0	92.80	7.20	ASIA	Iran-05 ^{ARD-07}
6	A/IRN/22/99 (EF208772)	IRN99-22	636	538	0	84.59	15.41	ASIA	Iran-99
7	A/IRN/2/87 (EF208770)	IRN87-02	636	531	0	83.49	16.51	ASIA	Iran-87
8	A/TAI/118/87* (EF208777)	TAI87-AD	636	528	0	83.02	16.98	ASIA	Thai-87
9	A15/Bangkok/TAI/60 (AY593755)	TAI60--D	639	527	0	82.47	17.53	ASIA	A ₁₅
10	A22/IRQ/64 (AY593763)	IRQ64--A	639	524	0	82.00	18.00	ASIA	A ₂₂

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v4.0

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

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

Page 1 of 1

Serotype: A WRLFMD Ref No: TUR/14/2011 Batch No: WRLFMD/2011/00013 Sender Ref: 262/2011 Location: Duraliusagi, Kozan, Adana, Mediterranean, Turkey Date collected: 17/01/2011 Date received by WRLFMD: 25/02/2011 Date received for sequencing: 11/03/2011 Species: Cattle Material used: BTy1 Region sequenced: VP1 RT-PCR primers: A-1C562F/EUR-2B52R A-1C612F/EUR-2B52R	Report date: 23/03/2011 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ASIA Genotype/strain: Iran-05 ^{AFG-07} Sequence filename: TUR11-14.SEQ Date sequence last updated: 18/03/2011 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 1213 Min. no. of nt for comparison: 600 Total turn-around time: 26 days Sequencing time: 12 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	A/TUR/5/2011	TUR11-05	639	634	0	99.22	0.78	ASIA	Iran-05 ^{AFG-07}
2	A/IRN/125/2010	IRN10125	639	633	0	99.06	0.94	ASIA	Iran-05 ^{AFG-07}
3	A/PAK/37/2010	PAK10-37	639	633	0	99.06	0.94	ASIA	Iran-05 ^{AFG-07}
4	A/TUR/10/2011	TUR11-10	639	633	0	99.06	0.94	ASIA	Iran-05 ^{AFG-07}
5	A/TUR/13/2011	TUR11-13	639	633	0	99.06	0.94	ASIA	Iran-05 ^{AFG-07}
6	A/TUR/16/2011	TUR11-16	639	633	0	99.06	0.94	ASIA	Iran-05 ^{AFG-07}
7	A/TUR/18/2011	TUR11-18	639	633	0	99.06	0.94	ASIA	Iran-05 ^{AFG-07}
8	A/TUR/21/2011	TUR11-21	639	633	0	99.06	0.94	ASIA	Iran-05 ^{AFG-07}
9	A/TUR/22/2011	TUR11-22	639	633	0	99.06	0.94	ASIA	Iran-05 ^{AFG-07}
10	A/TUR/23/2011	TUR11-23	639	633	0	99.06	0.94	ASIA	Iran-05 ^{AFG-07}
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	A/AFG/6/2007	AFG07-06	639	605	0	94.68	5.32	ASIA	Iran-05 ^{AFG-07}
2	A/BAR/6/2008	BAR08-06	639	597	0	93.43	6.57	ASIA	Iran-05 ^{BAR-08}
3	A/TUR/33/2008	TUR08-33	639	596	0	93.27	6.73	ASIA	Iran-05 ^{EZM-07}
4	A/IRN/1/2005 (EF208769)	IRN05-01	639	595	0	93.11	6.89	ASIA	Iran-05
5	A/TUR/1/2008	TUR08-01	639	593	0	92.80	7.20	ASIA	Iran-05 ^{ARD-07}
6	A/IRN/22/99 (EF208772)	IRN99-22	636	540	0	84.91	15.09	ASIA	Iran-99
7	A/IRN/2/87 (EF208770)	IRN87-02	636	535	0	84.12	15.88	ASIA	Iran-87
8	A/TAI/118/87* (EF208777)	TAI87-AD	636	534	0	83.96	16.04	ASIA	Thai-87
9	A15/Bangkok/TAI/60 (AY593755)	TAI60--D	639	528	0	82.63	17.37	ASIA	A ₁₅
10	A/TAI/2/97 (EF208778)	TAI97-02	636	525	0	82.55	17.45	ASIA	Thai-97

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v4.0

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

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

Page 1 of 1

Serotype: A WRLFMD Ref No: TUR/15/2011 Batch No: WRLFMD/2011/00013 Sender Ref: 303/2011 Location: Mescid, Merkez, Kastamont, Black Sea, Turkey Date collected: 17/01/2011 Date received by WRLFMD: 25/02/2011 Date received for sequencing: 11/03/2011 Species: Cattle Material used: BTy1 Region sequenced: VP1 RT-PCR primers: A-1C562F/EUR-2B52R A-1C612F/EUR-2B52R	Report date: 23/03/2011 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ASIA Genotype/strain: Iran-05 ^{AFG-07} Sequence filename: TUR11-15.SEQ Date sequence last updated: 23/03/2011 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 1213 Min. no. of nt for comparison: 600 Total turn-around time: 26 days Sequencing time: 12 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	A/TUR/2/2011	TUR11-02	639	635	0	99.37	0.63	ASIA	Iran-05 ^{AFG-07}
2	A/TUR/20/2010(A)	TUR10A20	639	634	0	99.22	0.78	ASIA	Iran-05 ^{AFG-07}
3	A/TUR/28/2010	TUR10-28	639	634	0	99.22	0.78	ASIA	Iran-05 ^{AFG-07}
4	A/TUR/151/2010* (FMDI)	TUR10-AG	639	633	0	99.06	0.94	ASIA	Iran-05 ^{AFG-07}
5	A/TUR/34/2010	TUR10-34	639	633	0	99.06	0.94	ASIA	Iran-05 ^{AFG-07}
6	A/TUR/99/2010* (FMDI)	TUR10-AA	639	632	0	98.90	1.10	ASIA	Iran-05 ^{AFG-07}
7	A/TUR/161/2010* (FMDI)	TUR10-AM	639	631	0	98.75	1.25	ASIA	Iran-05 ^{AFG-07}
8	A/IRN/15/2009	IRN09-15	639	625	0	97.81	2.19	ASIA	Iran-05 ^{AFG-07}
9	A/IRN/26/2009	IRN09-26	639	625	0	97.81	2.19	ASIA	Iran-05 ^{AFG-07}
10	A/IRN/36/2009	IRN09-36	639	625	0	97.81	2.19	ASIA	Iran-05 ^{AFG-07}
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	A/AFG/6/2007	AFG07-06	639	617	0	96.56	3.44	ASIA	Iran-05 ^{AFG-07}
2	A/IRN/1/2005 (EF208769)	IRN05-01	639	603	0	94.37	5.63	ASIA	Iran-05
3	A/BAR/6/2008	BAR08-06	639	601	0	94.05	5.95	ASIA	Iran-05 ^{BAR-08}
4	A/TUR/1/2008	TUR08-01	639	597	0	93.43	6.57	ASIA	Iran-05 ^{ARD-07}
5	A/TUR/33/2008	TUR08-33	639	594	0	92.96	7.04	ASIA	Iran-05 ^{EZM-07}
6	A/IRN/2/87 (EF208770)	IRN87-02	636	535	0	84.12	15.88	ASIA	Iran-87
7	A22/IRQ/64 (AY593763)	IRQ64--A	639	534	0	83.57	16.43	ASIA	A ₂₂
8	A/TAI/118/87* (EF208777)	TAI87-AD	636	530	0	83.33	16.67	ASIA	Thai-87
9	A15/Bangkok/TAI/60 (AY593755)	TAI60--D	639	528	0	82.63	17.37	ASIA	A ₁₅
10	A/IRN/22/99 (EF208772)	IRN99-22	636	524	0	82.39	17.61	ASIA	Iran-99

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v4.0

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

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

Page 1 of 1

Serotype: A WRLFMD Ref No: TUR/16/2011 Batch No: WRLFMD/2011/00013 Sender Ref: 246/2011 Location: Yanizcam, Selim, Kars, East Anatolia, Turkey Date collected: 18/01/2011 Date received by WRLFMD: 25/02/2011 Date received for sequencing: 11/03/2011 Species: Cattle Material used: BTy1 Region sequenced: VP1 RT-PCR primers: A-1C562F/EUR-2B52R A-1C612F/EUR-2B52R	Report date: 23/03/2011 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ASIA Genotype/strain: Iran-05 ^{AFG-07} Sequence filename: TUR11-16.SEQ Date sequence last updated: 21/03/2011 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 1213 Min. no. of nt for comparison: 600 Total turn-around time: 26 days Sequencing time: 12 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	A/TUR/5/2011	TUR11-05	639	638	0	99.84	0.16	ASIA	Iran-05 ^{AFG-07}
2	A/TUR/10/2011	TUR11-10	639	637	0	99.69	0.31	ASIA	Iran-05 ^{AFG-07}
3	A/TUR/13/2011	TUR11-13	639	637	0	99.69	0.31	ASIA	Iran-05 ^{AFG-07}
4	A/TUR/18/2011	TUR11-18	639	637	0	99.69	0.31	ASIA	Iran-05 ^{AFG-07}
5	A/TUR/21/2011	TUR11-21	639	637	0	99.69	0.31	ASIA	Iran-05 ^{AFG-07}
6	A/TUR/23/2011	TUR11-23	639	637	0	99.69	0.31	ASIA	Iran-05 ^{AFG-07}
7	A/TUR/9/2011* (FMDI)	TUR11-AB	639	637	0	99.69	0.31	ASIA	Iran-05 ^{AFG-07}
8	A/TUR/24/2011	TUR11-24	639	636	0	99.53	0.47	ASIA	Iran-05 ^{AFG-07}
9	A/TUR/6/2011	TUR11-06	639	636	0	99.53	0.47	ASIA	Iran-05 ^{AFG-07}
10	A/TUR/7/2011	TUR11-07	639	636	0	99.53	0.47	ASIA	Iran-05 ^{AFG-07}
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	A/AFG/6/2007	AFG07-06	639	607	0	94.99	5.01	ASIA	Iran-05 ^{AFG-07}
2	A/BAR/6/2008	BAR08-06	639	599	0	93.74	6.26	ASIA	Iran-05 ^{BAR-08}
3	A/IRN/1/2005 (EF208769)	IRN05-01	639	597	0	93.43	6.57	ASIA	Iran-05
4	A/TUR/33/2008	TUR08-33	639	596	0	93.27	6.73	ASIA	Iran-05 ^{EZM-07}
5	A/TUR/1/2008	TUR08-01	639	595	0	93.11	6.89	ASIA	Iran-05 ^{ARD-07}
6	A/IRN/22/99 (EF208772)	IRN99-22	636	538	0	84.59	15.41	ASIA	Iran-99
7	A/IRN/2/87 (EF208770)	IRN87-02	636	531	0	83.49	16.51	ASIA	Iran-87
8	A/TAI/118/87* (EF208777)	TAI87-AD	636	530	0	83.33	16.67	ASIA	Thai-87
9	A15/Bangkok/TAI/60 (AY593755)	TAI60--D	639	529	0	82.79	17.21	ASIA	A ₁₅
10	A22/IRQ/64 (AY593763)	IRQ64--A	639	526	0	82.32	17.68	ASIA	A ₂₂

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v4.0

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

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

Page 1 of 1

Serotype: A WRLFMD Ref No: TUR/18/2011 Batch No: WRLFMD/2011/00013 Sender Ref: 217/2011 Location: Cepni, Tosya, Kastamonu, Black Sea, Turkey Date collected: 20/01/2011 Date received by WRLFMD: 25/02/2011 Date received for sequencing: 11/03/2011 Species: Cattle Material used: BTy1 Region sequenced: VP1 RT-PCR primers: A-1C562F/EUR-2B52R A-1C612F/EUR-2B52R	Report date: 23/03/2011 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ASIA Genotype/strain: Iran-05 ^{AFG-07} Sequence filename: TUR11-18.SEQ Date sequence last updated: 21/03/2011 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 1213 Min. no. of nt for comparison: 600 Total turn-around time: 26 days Sequencing time: 12 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	A/TUR/5/2011	TUR11-05	639	638	0	99.84	0.16	ASIA	Iran-05 ^{AFG-07}
2	A/TUR/10/2011	TUR11-10	639	637	0	99.69	0.31	ASIA	Iran-05 ^{AFG-07}
3	A/TUR/13/2011	TUR11-13	639	637	0	99.69	0.31	ASIA	Iran-05 ^{AFG-07}
4	A/TUR/16/2011	TUR11-16	639	637	0	99.69	0.31	ASIA	Iran-05 ^{AFG-07}
5	A/TUR/21/2011	TUR11-21	639	637	0	99.69	0.31	ASIA	Iran-05 ^{AFG-07}
6	A/TUR/23/2011	TUR11-23	639	637	0	99.69	0.31	ASIA	Iran-05 ^{AFG-07}
7	A/TUR/9/2011* (FMDI)	TUR11-AB	639	637	0	99.69	0.31	ASIA	Iran-05 ^{AFG-07}
8	A/TUR/24/2011	TUR11-24	639	636	0	99.53	0.47	ASIA	Iran-05 ^{AFG-07}
9	A/TUR/6/2011	TUR11-06	639	636	0	99.53	0.47	ASIA	Iran-05 ^{AFG-07}
10	A/TUR/7/2011	TUR11-07	639	636	0	99.53	0.47	ASIA	Iran-05 ^{AFG-07}
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	A/AFG/6/2007	AFG07-06	639	605	0	94.68	5.32	ASIA	Iran-05 ^{AFG-07}
2	A/BAR/6/2008	BAR08-06	639	597	0	93.43	6.57	ASIA	Iran-05 ^{BAR-08}
3	A/IRN/1/2005 (EF208769)	IRN05-01	639	595	0	93.11	6.89	ASIA	Iran-05
4	A/TUR/1/2008	TUR08-01	639	595	0	93.11	6.89	ASIA	Iran-05 ^{ARD-07}
5	A/TUR/33/2008	TUR08-33	639	594	0	92.96	7.04	ASIA	Iran-05 ^{EZM-07}
6	A/IRN/22/99 (EF208772)	IRN99-22	636	538	0	84.59	15.41	ASIA	Iran-99
7	A/IRN/2/87 (EF208770)	IRN87-02	636	533	0	83.81	16.19	ASIA	Iran-87
8	A/TAI/118/87* (EF208777)	TAI87-AD	636	528	0	83.02	16.98	ASIA	Thai-87
9	A15/Bangkok/TAI/60 (AY593755)	TAI60--D	639	527	0	82.47	17.53	ASIA	A ₁₅
10	A22/IRQ/64 (AY593763)	IRQ64--A	639	524	0	82.00	18.00	ASIA	A ₂₂

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v4.0

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

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

Page 1 of 1

Serotype: A WRLFMD Ref No: TUR/21/2011 Batch No: WRLFMD/2011/00013 Sender Ref: 289/2011 Location: Yassigume, Merkez, Burdur, Black Sea, Turkey Date collected: 22/01/2011 Date received by WRLFMD: 25/02/2011 Date received for sequencing: 11/03/2011 Species: Cattle Material used: BTy1 Region sequenced: VP1 RT-PCR primers: A-1C562F/EUR-2B52R A-1C612F/EUR-2B52R	Report date: 23/03/2011 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ASIA Genotype/strain: Iran-05 ^{AFG-07} Sequence filename: TUR11-21.SEQ Date sequence last updated: 21/03/2011 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 1213 Min. no. of nt for comparison: 600 Total turn-around time: 26 days Sequencing time: 12 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	A/TUR/24/2011	TUR11-24	639	638	0	99.84	0.16	ASIA	Iran-05 ^{AFG-07}
2	A/TUR/5/2011	TUR11-05	639	638	0	99.84	0.16	ASIA	Iran-05 ^{AFG-07}
3	A/TUR/10/2011	TUR11-10	639	637	0	99.69	0.31	ASIA	Iran-05 ^{AFG-07}
4	A/TUR/13/2011	TUR11-13	639	637	0	99.69	0.31	ASIA	Iran-05 ^{AFG-07}
5	A/TUR/16/2011	TUR11-16	639	637	0	99.69	0.31	ASIA	Iran-05 ^{AFG-07}
6	A/TUR/18/2011	TUR11-18	639	637	0	99.69	0.31	ASIA	Iran-05 ^{AFG-07}
7	A/TUR/23/2011	TUR11-23	639	637	0	99.69	0.31	ASIA	Iran-05 ^{AFG-07}
8	A/TUR/9/2011* (FMDI)	TUR11-AB	639	637	0	99.69	0.31	ASIA	Iran-05 ^{AFG-07}
9	A/TUR/6/2011	TUR11-06	639	636	0	99.53	0.47	ASIA	Iran-05 ^{AFG-07}
10	A/TUR/7/2011	TUR11-07	639	636	0	99.53	0.47	ASIA	Iran-05 ^{AFG-07}
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	A/AFG/6/2007	AFG07-06	639	605	0	94.68	5.32	ASIA	Iran-05 ^{AFG-07}
2	A/BAR/6/2008	BAR08-06	639	597	0	93.43	6.57	ASIA	Iran-05 ^{BAR-08}
3	A/IRN/1/2005 (EF208769)	IRN05-01	639	595	0	93.11	6.89	ASIA	Iran-05
4	A/TUR/33/2008	TUR08-33	639	594	0	92.96	7.04	ASIA	Iran-05 ^{EZM-07}
5	A/TUR/1/2008	TUR08-01	639	593	0	92.80	7.20	ASIA	Iran-05 ^{ARD-07}
6	A/IRN/22/99 (EF208772)	IRN99-22	636	538	0	84.59	15.41	ASIA	Iran-99
7	A/IRN/2/87 (EF208770)	IRN87-02	636	531	0	83.49	16.51	ASIA	Iran-87
8	A/TAI/118/87* (EF208777)	TAI87-AD	636	530	0	83.33	16.67	ASIA	Thai-87
9	A15/Bangkok/TAI/60 (AY593755)	TAI60--D	639	529	0	82.79	17.21	ASIA	A ₁₅
10	A22/IRQ/64 (AY593763)	IRQ64--A	639	526	0	82.32	17.68	ASIA	A ₂₂

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v4.0

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

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

Page 1 of 1

Serotype: A WRLFMD Ref No: TUR/22/2011 Batch No: WRLFMD/2011/00013 Sender Ref: 293/2011 Location: Kayali, Merkez, Osmaniye, Mediterranean, Turkey Date collected: 23/01/2011 Date received by WRLFMD: 25/02/2011 Date received for sequencing: 11/03/2011 Species: Cattle Material used: BTy1 Region sequenced: VP1 RT-PCR primers: A-1C562F/EUR-2B52R A-1C612F/EUR-2B52R	Report date: 23/03/2011 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ASIA Genotype/strain: Iran-05 ^{AFG-07} Sequence filename: TUR11-22.SEQ Date sequence last updated: 21/03/2011 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 1213 Min. no. of nt for comparison: 600 Total turn-around time: 26 days Sequencing time: 12 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	A/TUR/5/2011	TUR11-05	639	636	0	99.53	0.47	ASIA	Iran-05 ^{AFG-07}
2	A/TUR/10/2011	TUR11-10	639	635	0	99.37	0.63	ASIA	Iran-05 ^{AFG-07}
3	A/TUR/13/2011	TUR11-13	639	635	0	99.37	0.63	ASIA	Iran-05 ^{AFG-07}
4	A/TUR/16/2011	TUR11-16	639	635	0	99.37	0.63	ASIA	Iran-05 ^{AFG-07}
5	A/TUR/18/2011	TUR11-18	639	635	0	99.37	0.63	ASIA	Iran-05 ^{AFG-07}
6	A/TUR/21/2011	TUR11-21	639	635	0	99.37	0.63	ASIA	Iran-05 ^{AFG-07}
7	A/TUR/23/2011	TUR11-23	639	635	0	99.37	0.63	ASIA	Iran-05 ^{AFG-07}
8	A/TUR/9/2011* (FMDI)	TUR11-AB	639	635	0	99.37	0.63	ASIA	Iran-05 ^{AFG-07}
9	A/TUR/24/2011	TUR11-24	639	634	0	99.22	0.78	ASIA	Iran-05 ^{AFG-07}
10	A/TUR/6/2011	TUR11-06	639	634	0	99.22	0.78	ASIA	Iran-05 ^{AFG-07}
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	A/AFG/6/2007	AFG07-06	639	605	0	94.68	5.32	ASIA	Iran-05 ^{AFG-07}
2	A/BAR/6/2008	BAR08-06	639	597	0	93.43	6.57	ASIA	Iran-05 ^{BAR-08}
3	A/IRN/1/2005 (EF208769)	IRN05-01	639	595	0	93.11	6.89	ASIA	Iran-05
4	A/TUR/33/2008	TUR08-33	639	594	0	92.96	7.04	ASIA	Iran-05 ^{EZM-07}
5	A/TUR/1/2008	TUR08-01	639	593	0	92.80	7.20	ASIA	Iran-05 ^{ARD-07}
6	A/IRN/22/99 (EF208772)	IRN99-22	636	538	0	84.59	15.41	ASIA	Iran-99
7	A/IRN/2/87 (EF208770)	IRN87-02	636	531	0	83.49	16.51	ASIA	Iran-87
8	A/TAI/118/87* (EF208777)	TAI87-AD	636	529	0	83.18	16.82	ASIA	Thai-87
9	A15/Bangkok/TAI/60 (AY593755)	TAI60--D	639	527	0	82.47	17.53	ASIA	A ₁₅
10	A22/IRQ/64 (AY593763)	IRQ64--A	639	526	0	82.32	17.68	ASIA	A ₂₂

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v4.0

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

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

Page 1 of 1

Serotype: A WRLFMD Ref No: TUR/23/2011 Batch No: WRLFMD/2011/00013 Sender Ref: 377/2011 Location: Merkez, Bayramicf, Canakkale, Marmara, Turkey Date collected: 23/01/2011 Date received by WRLFMD: 25/02/2011 Date received for sequencing: 11/03/2011 Species: Cattle Material used: BTy1 Region sequenced: VP1 RT-PCR primers: A-1C562F/EUR-2B52R A-1C612F/EUR-2B52R	Report date: 23/03/2011 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ASIA Genotype/strain: Iran-05 ^{AFG-07} Sequence filename: TUR11-23.SEQ Date sequence last updated: 21/03/2011 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 1213 Min. no. of nt for comparison: 600 Total turn-around time: 26 days Sequencing time: 12 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	A/TUR/5/2011	TUR11-05	639	638	0	99.84	0.16	ASIA	Iran-05 ^{AFG-07}
2	A/TUR/10/2011	TUR11-10	639	637	0	99.69	0.31	ASIA	Iran-05 ^{AFG-07}
3	A/TUR/13/2011	TUR11-13	639	637	0	99.69	0.31	ASIA	Iran-05 ^{AFG-07}
4	A/TUR/16/2011	TUR11-16	639	637	0	99.69	0.31	ASIA	Iran-05 ^{AFG-07}
5	A/TUR/18/2011	TUR11-18	639	637	0	99.69	0.31	ASIA	Iran-05 ^{AFG-07}
6	A/TUR/21/2011	TUR11-21	639	637	0	99.69	0.31	ASIA	Iran-05 ^{AFG-07}
7	A/TUR/9/2011* (FMDI)	TUR11-AB	639	637	0	99.69	0.31	ASIA	Iran-05 ^{AFG-07}
8	A/TUR/24/2011	TUR11-24	639	636	0	99.53	0.47	ASIA	Iran-05 ^{AFG-07}
9	A/TUR/6/2011	TUR11-06	639	636	0	99.53	0.47	ASIA	Iran-05 ^{AFG-07}
10	A/TUR/7/2011	TUR11-07	639	636	0	99.53	0.47	ASIA	Iran-05 ^{AFG-07}
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	A/AFG/6/2007	AFG07-06	639	605	0	94.68	5.32	ASIA	Iran-05 ^{AFG-07}
2	A/BAR/6/2008	BAR08-06	639	597	0	93.43	6.57	ASIA	Iran-05 ^{BAR-08}
3	A/IRN/1/2005 (EF208769)	IRN05-01	639	595	0	93.11	6.89	ASIA	Iran-05
4	A/TUR/33/2008	TUR08-33	639	594	0	92.96	7.04	ASIA	Iran-05 ^{EZM-07}
5	A/TUR/1/2008	TUR08-01	639	593	0	92.80	7.20	ASIA	Iran-05 ^{ARD-07}
6	A/IRN/22/99 (EF208772)	IRN99-22	636	538	0	84.59	15.41	ASIA	Iran-99
7	A/IRN/2/87 (EF208770)	IRN87-02	636	532	0	83.65	16.35	ASIA	Iran-87
8	A/TAI/118/87* (EF208777)	TAI87-AD	636	529	0	83.18	16.82	ASIA	Thai-87
9	A15/Bangkok/TAI/60 (AY593755)	TAI60--D	639	528	0	82.63	17.37	ASIA	A ₁₅
10	A/IRN/1/96 (EF208771)	IRN96-01	638	525	1	82.29	17.71	ASIA	Iran-96

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v4.0

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

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

Page 1 of 1

Serotype: A WRLFMD Ref No: TUR/24/2011 Batch No: WRLFMD/2011/00013 Sender Ref: 314/2011 Location: Yolustu, Odemis, Izmir, Black Sea, Turkey Date collected: 25/01/2011 Date received by WRLFMD: 25/02/2011 Date received for sequencing: 11/03/2011 Species: Cattle Material used: BTy1 Region sequenced: VP1 RT-PCR primers: A-1C562F/EUR-2B52R A-1C612F/EUR-2B52R	Report date: 23/03/2011 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ASIA Genotype/strain: Iran-05 ^{AFG-07} Sequence filename: TUR11-24.SEQ Date sequence last updated: 21/03/2011 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 1213 Min. no. of nt for comparison: 600 Total turn-around time: 26 days Sequencing time: 12 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	A/TUR/21/2011	TUR11-21	639	638	0	99.84	0.16	ASIA	Iran-05 ^{AFG-07}
2	A/TUR/5/2011	TUR11-05	639	637	0	99.69	0.31	ASIA	Iran-05 ^{AFG-07}
3	A/TUR/10/2011	TUR11-10	639	636	0	99.53	0.47	ASIA	Iran-05 ^{AFG-07}
4	A/TUR/13/2011	TUR11-13	639	636	0	99.53	0.47	ASIA	Iran-05 ^{AFG-07}
5	A/TUR/16/2011	TUR11-16	639	636	0	99.53	0.47	ASIA	Iran-05 ^{AFG-07}
6	A/TUR/18/2011	TUR11-18	639	636	0	99.53	0.47	ASIA	Iran-05 ^{AFG-07}
7	A/TUR/23/2011	TUR11-23	639	636	0	99.53	0.47	ASIA	Iran-05 ^{AFG-07}
8	A/TUR/9/2011* (FMDI)	TUR11-AB	639	636	0	99.53	0.47	ASIA	Iran-05 ^{AFG-07}
9	A/TUR/6/2011	TUR11-06	639	635	0	99.37	0.63	ASIA	Iran-05 ^{AFG-07}
10	A/TUR/7/2011	TUR11-07	639	635	0	99.37	0.63	ASIA	Iran-05 ^{AFG-07}
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	A/AFG/6/2007	AFG07-06	639	604	0	94.52	5.48	ASIA	Iran-05 ^{AFG-07}
2	A/BAR/6/2008	BAR08-06	639	596	0	93.27	6.73	ASIA	Iran-05 ^{BAR-08}
3	A/IRN/1/2005 (EF208769)	IRN05-01	639	594	0	92.96	7.04	ASIA	Iran-05
4	A/TUR/33/2008	TUR08-33	639	593	0	92.80	7.20	ASIA	Iran-05 ^{EZM-07}
5	A/TUR/1/2008	TUR08-01	639	592	0	92.64	7.36	ASIA	Iran-05 ^{ARD-07}
6	A/IRN/22/99 (EF208772)	IRN99-22	636	538	0	84.59	15.41	ASIA	Iran-99
7	A/IRN/2/87 (EF208770)	IRN87-02	636	532	0	83.65	16.35	ASIA	Iran-87
8	A/TAI/118/87* (EF208777)	TAI87-AD	636	531	0	83.49	16.51	ASIA	Thai-87
9	A15/Bangkok/TAI/60 (AY593755)	TAI60--D	639	529	0	82.79	17.21	ASIA	A ₁₅
10	A22/IRQ/64 (AY593763)	IRQ64--A	639	526	0	82.32	17.68	ASIA	A ₂₂

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v4.0

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

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

Page 1 of 1

Serotype: A WRLFMD Ref No: TUR/26/2011 Batch No: WRLFMD/2011/00013 Sender Ref: 353/2011 Location: Tuysuz BLD, Toprakkale, Osmaniye, Mediterranean, Turkey Date collected: 25/01/2011 Date received by WRLFMD: 25/02/2011 Date received for sequencing: 11/03/2011 Species: Cattle Material used: BTy1 Region sequenced: VP1 RT-PCR primers: A-1C562F/EUR-2B52R A-1C612F/EUR-2B52R	Report date: 23/03/2011 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ASIA Genotype/strain: Iran-05 ^{AFG-07} Sequence filename: TUR11-26.SEQ Date sequence last updated: 21/03/2011 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 1213 Min. no. of nt for comparison: 600 Total turn-around time: 26 days Sequencing time: 12 days
Comments:	

Most Closely Related Viruses									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	A/TUR/1538/2010* (FMDI)	TUR10-AN	639	636	0	99.53	0.47	ASIA	Iran-05 ^{AFG-07}
2	A/TUR/40/2010	TUR10-40	639	636	0	99.53	0.47	ASIA	Iran-05 ^{AFG-07}
3	A/PAK/37/2010	PAK10-37	639	635	0	99.37	0.63	ASIA	Iran-05 ^{AFG-07}
4	A/TUR/5/2011	TUR11-05	639	634	0	99.22	0.78	ASIA	Iran-05 ^{AFG-07}
5	A/IRN/125/2010	IRN10125	639	633	0	99.06	0.94	ASIA	Iran-05 ^{AFG-07}
6	A/TUR/10/2011	TUR11-10	639	633	0	99.06	0.94	ASIA	Iran-05 ^{AFG-07}
7	A/TUR/13/2011	TUR11-13	639	633	0	99.06	0.94	ASIA	Iran-05 ^{AFG-07}
8	A/TUR/16/2011	TUR11-16	639	633	0	99.06	0.94	ASIA	Iran-05 ^{AFG-07}
9	A/TUR/18/2011	TUR11-18	639	633	0	99.06	0.94	ASIA	Iran-05 ^{AFG-07}
10	A/TUR/21/2011	TUR11-21	639	633	0	99.06	0.94	ASIA	Iran-05 ^{AFG-07}
Most Closely Related Reference Viruses									
(see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm)									
Pos.	Virus name	Filename	No. nt comp.	No. nt match.	No. of ambig.	% Id.	% Diff.	Topotype	Strain
1	A/AFG/6/2007	AFG07-06	639	603	0	94.37	5.63	ASIA	Iran-05 ^{AFG-07}
2	A/TUR/33/2008	TUR08-33	639	596	0	93.27	6.73	ASIA	Iran-05 ^{EZM-07}
3	A/BAR/6/2008	BAR08-06	639	595	0	93.11	6.89	ASIA	Iran-05 ^{BAR-08}
4	A/IRN/1/2005 (EF208769)	IRN05-01	639	595	0	93.11	6.89	ASIA	Iran-05
5	A/TUR/1/2008	TUR08-01	639	591	0	92.49	7.51	ASIA	Iran-05 ^{ARD-07}
6	A/IRN/22/99 (EF208772)	IRN99-22	636	540	0	84.91	15.09	ASIA	Iran-99
7	A/IRN/2/87 (EF208770)	IRN87-02	636	533	0	83.81	16.19	ASIA	Iran-87
8	A/TAI/118/87* (EF208777)	TAI87-AD	636	528	0	83.02	16.98	ASIA	Thai-87
9	A15/Bangkok/TAI/60 (AY593755)	TAI60--D	639	524	0	82.00	18.00	ASIA	A ₁₅
10	A22/IRQ/64 (AY593763)	IRQ64--A	639	524	0	82.00	18.00	ASIA	A ₂₂

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v4.0

© Institute for Animal Health

Report on FMDV A in Turkey in 2010-2011

Batch: WRLFMD/2011/00013

◆ indicates viruses in this batch

Software: MEGA 5.0

Analysis

Analysis ----- Phylogeny Reconstruction

Scope ----- All Selected Taxa

Statistical Method ----- Neighbor-joining

Phylogeny Test

Test of Phylogeny ----- Bootstrap method

No. of Bootstrap Replications ----- 1000

Substitution Model

Substitutions Type ----- Nucleotide

Model/Method ----- Kimura 2-parameter model

Substitutions to Include ----- d: Transitions + Transversions

Rates and Patterns

Rates among Sites ----- Uniform rates

Pattern among Lineages ----- Same (Homogeneous)

Data Subset to Use

Gaps/Missing Data Treatment ----- Pairwise deletion

Codons Included ----- 1st+2nd+3rd+Non-Coding

No. of Sites : 639

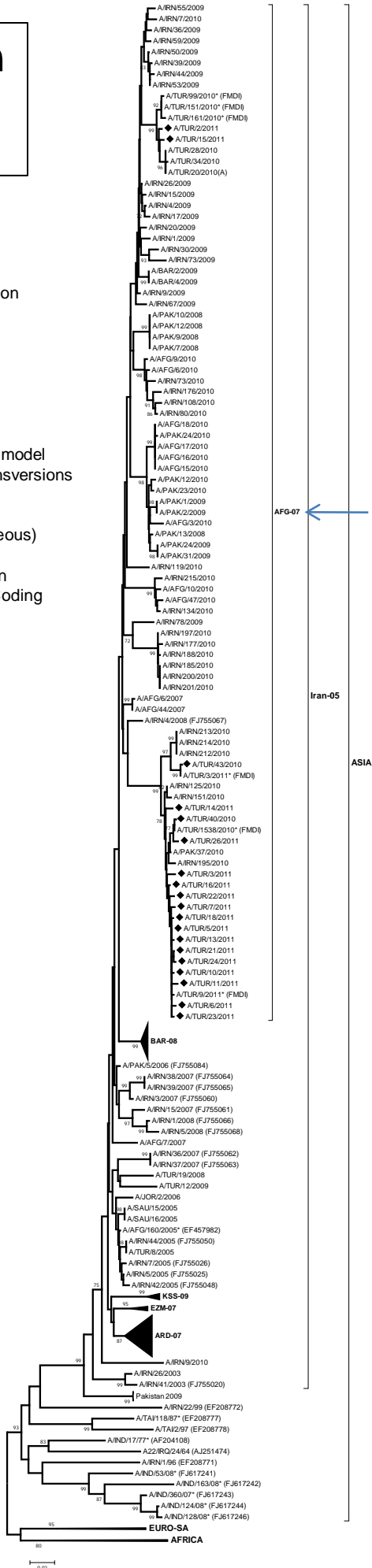
No Of Bootstrap Reps = 1000

Only bootstrap values of 70% and above are shown

*, not a WRLFMD Ref. No.

N.J. Knowles & J. Wadsworth, 24 March 2011

© Institute for Animal Health



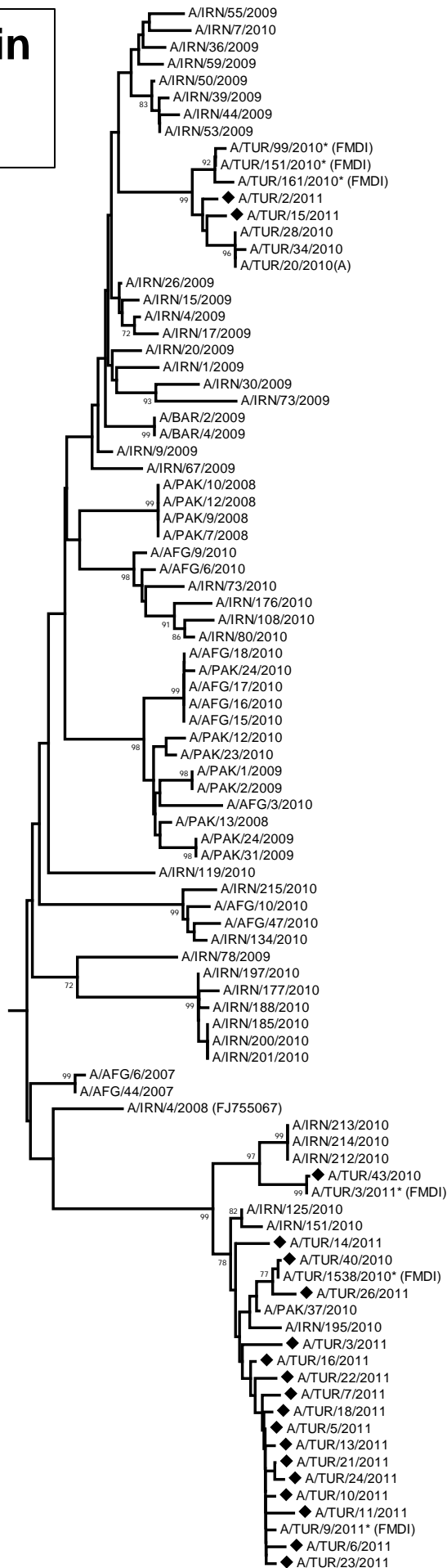
See next page

Report on FMDV A in Turkey in 2010-2011

Batch: WRLFMD/2011/00013

◆ indicates viruses in this batch

ASIA/Iran-05AFG-07



0.005