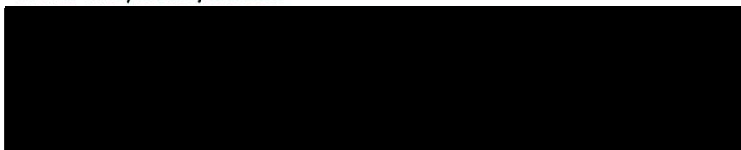




INSTITUTE FOR ANIMAL HEALTH
Director: Professor Martin W. Shirley, PhD
PIRBRIGHT LABORATORY
Ash Road,
Pirbright,
Surrey,
GU24 0NF
Intn Tel: 00 44 1483 232441
Tel: 01483 232441 Fax: 01483 232621

FMD Sequencing Report

Lab Reference WRL Batch Number: WRLFMD/2010/00030
Sender Details:



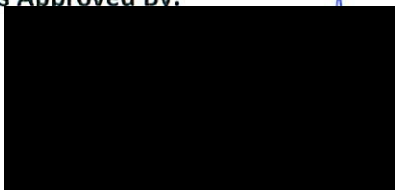
Date Received: 31st August 2010
Country of Origin: Afghanistan
Date Reported: 5th November 2010

Dear Dr. Ehtisham Khan,

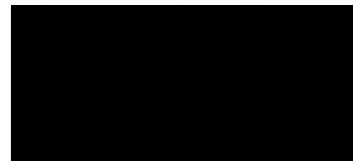
Re.: Serotype O

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:

12/11/10



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)

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

Genotyping Report

Report Date for this Batch: 4 November 2010

FMDV type O

Country: Afghanistan

Period: 2010

No. of isolates: 39

BATCH: WRLFMD/2010/00030



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Serotype: O WRLFMD Ref No: AFG/30/2010 Batch No: WRLFMD/2010/00030 Sender Ref: 192 Location: Maras Khail, Center, Khost, Afghanistan Date collected: 08/02/2010 Date received by WRLFMD: 31/08/2010 Date received for sequencing: 25/10/2010 Species: Not Known Material used: OS Region sequenced: VP1 RT-PCR primers: O-1C272F/EUR-2B52R	Report date: 04/11/2010 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ME-SA Genotype/strain: PanAsia-2 Sequence filename: AFG10-30.SEQ Date sequence last updated: 04/11/2010 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 2434 Min. no. of nt for comparison: 600 Total turn-around time: 65 days Sequencing time: 10 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/AFG/45/2007	AFG07-45	639	621	0	97.18	2.82	ME-SA	PanAsia-2
2	O/AFG/42/2007	AFG07-42	639	620	0	97.03	2.97	ME-SA	PanAsia-2
3	O/AFG/43/2007	AFG07-43	639	620	0	97.03	2.97	ME-SA	PanAsia-2
4	O/AFG/29/2007	AFG07-29	639	619	0	96.87	3.13	ME-SA	PanAsia-2
5	O/KAZ/2007 (ARRIAH)	KAZ07-AA	639	617	0	96.56	3.44	ME-SA	PanAsia-2
6	O/PAK/10/2006	PAK06-10	639	617	0	96.56	3.44	ME-SA	PanAsia-2
7	O/PAK/10/2006 (EF494503)	PAK06-AE	639	617	0	96.56	3.44	ME-SA	PanAsia-2
8	O/PAK/16/2006	PAK06-16	639	617	0	96.56	3.44	ME-SA	PanAsia-2
9	O/PAK/4/2006	PAK06-04	639	617	0	96.56	3.44	ME-SA	PanAsia-2
10	O/PAK/4/2006 (EF494500)	PAK06-AB	639	617	0	96.56	3.44	ME-SA	PanAsia-2
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	O/IRN/8/2005	IRN05-08	639	612	0	95.77	4.23	ME-SA	PanAsia-2
2	O/TUR/257/2008* (FMDI)	TUR08-AD	639	606	0	94.84	5.16	ME-SA	PanAsia-2 ^{TER-08}
3	O/IRN/31/2009	IRN09-31	639	605	0	94.68	5.32	ME-SA	PanAsia-2 ^{FAR-09}
4	O/IRN/18/2010	IRN10-18	639	602	0	94.21	5.79	ME-SA	PanAsia-2 ^{BAL-09}
5	O/PAK/16/2010	PAK10-16	639	601	0	94.05	5.95	ME-SA	PanAsia-2 ^{PUN-10}
6	O/TUR/264/2009* (FMDI)	TUR09-AK	639	599	0	93.74	6.26	ME-SA	PanAsia-2 ^{SAN-09}
7	O/IRN/88/2009	IRN09-88	639	597	0	93.43	6.57	ME-SA	PanAsia-2 ^{ANT-10}
8	O/UKG/35/2001 (AJ539141)	UKG01-35	639	592	0	92.64	7.36	ME-SA	PanAsia
9	O/KUW/3/97 (DQ164904)	KUW97-03	639	580	0	90.77	9.23	ME-SA	Ind-2001a
10	O/BHU/3/2009	BHU09-03	639	574	0	89.83	10.17	ME-SA	Ind-2001d

nt, nucleotides

*, not a WRLFMD reference number

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Serotype: O WRLFMD Ref No: AFG/31/2010 Batch No: WRLFMD/2010/00030 Sender Ref: 194 Location: Deh Dama, 7th district, Kabul, Afghanistan Date collected: 04/03/2010 Date received by WRLFMD: 31/08/2010 Date received for sequencing: 25/10/2010 Species: Not Known Material used: OS Region sequenced: VP1 RT-PCR primers: O-1C244F/EUR-2B52R	Report date: 04/11/2010 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ME-SA Genotype/strain: PanAsia-2 ^{BAL-09} Sequence filename: AFG10-31.SEQ Date sequence last updated: 04/11/2010 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 2434 Min. no. of nt for comparison: 600 Total turn-around time: 65 days Sequencing time: 10 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/AFG/13/2010	AFG10-13	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{BAL-09}
2	O/AFG/4/2010	AFG10-04	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{BAL-09}
3	O/AFG/5/2010	AFG10-05	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{BAL-09}
4	O/AFG/109/2010	AFG10109	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{BAL-09}
5	O/AFG/12/2010	AFG10-12	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{BAL-09}
6	O/AFG/19/2010	AFG10-19	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{BAL-09}
7	O/AFG/21/2010	AFG10-21	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{BAL-09}
8	O/AFG/22/2009	AFG09-22	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{BAL-09}
9	O/AFG/22/2010	AFG10-22	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{BAL-09}
10	O/AFG/23/2010	AFG10-23	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{BAL-09}
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	O/IRN/18/2010	IRN10-18	639	633	0	99.06	0.94	ME-SA	PanAsia-2 ^{BAL-09}
2	O/IRN/31/2009	IRN09-31	639	607	0	94.99	5.01	ME-SA	PanAsia-2 ^{FAR-09}
3	O/IRN/8/2005	IRN05-08	639	603	0	94.37	5.63	ME-SA	PanAsia-2
4	O/TUR/257/2008* (FMDI)	TUR08-AD	639	602	0	94.21	5.79	ME-SA	PanAsia-2 ^{TER-08}
5	O/PAK/16/2010	PAK10-16	639	597	0	93.43	6.57	ME-SA	PanAsia-2 ^{PUN-10}
6	O/TUR/264/2009* (FMDI)	TUR09-AK	639	597	0	93.43	6.57	ME-SA	PanAsia-2 ^{SAN-09}
7	O/IRN/88/2009	IRN09-88	639	595	0	93.11	6.89	ME-SA	PanAsia-2 ^{ANT-10}
8	O/UKG/35/2001 (AJ539141)	UKG01-35	639	587	0	91.86	8.14	ME-SA	PanAsia
9	O/KUW/3/97 (DQ164904)	KUW97-03	639	577	0	90.30	9.70	ME-SA	Ind-2001a
10	O/OMN/7/2001 (DQ164941)	OMN01-07	639	574	0	89.83	10.17	ME-SA	Ind-2001b

nt, nucleotides

*, not a WRLFMD reference number

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Serotype: O WRLFMD Ref No: AFG/32/2010 Batch No: WRLFMD/2010/00030 Sender Ref: 193 Location: Chahar Qala, Qala-I Pakshak, 6th District, Kabul, Afghanistan Date collected: 09/03/2010 Date received by WRLFMD: 31/08/2010 Date received for sequencing: 25/10/2010 Species: Not Known Material used: OS Region sequenced: VP1 RT-PCR primers: O-1C244F/EUR-2B52R	Report date: 04/11/2010 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ME-SA Genotype/strain: PanAsia-2 ^{ANT-10} Sequence filename: AFG10-32.SEQ Date sequence last updated: 04/11/2010 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 2434 Min. no. of nt for comparison: 600 Total turn-around time: 65 days Sequencing time: 10 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/AFG/59/2010	AFG10-59	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
2	O/AFG/61/2010	AFG10-61	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
3	O/AFG/89/2010	AFG10-89	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
4	O/IRN/96/2010	IRN10-96	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
5	O/AFG/34/2010	AFG10-34	639	637	0	99.69	0.31	ME-SA	PanAsia-2 ^{ANT-10}
6	O/IRN/139/2010	IRN10139	639	637	0	99.69	0.31	ME-SA	PanAsia-2 ^{ANT-10}
7	O/IRN/183/2010	IRN10183	639	637	0	99.69	0.31	ME-SA	PanAsia-2 ^{ANT-10}
8	O/IRN/62/2010	IRN10-62	639	637	0	99.69	0.31	ME-SA	PanAsia-2 ^{ANT-10}
9	O/IRN/97/2010	IRN10-97	639	637	0	99.69	0.31	ME-SA	PanAsia-2 ^{ANT-10}
10	O/PAK/36/2010	PAK10-36	639	637	0	99.69	0.31	ME-SA	PanAsia-2 ^{ANT-10}
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	O/IRN/88/2009	IRN09-88	639	634	0	99.22	0.78	ME-SA	PanAsia-2 ^{ANT-10}
2	O/IRN/8/2005	IRN05-08	639	607	0	94.99	5.01	ME-SA	PanAsia-2
3	O/IRN/31/2009	IRN09-31	639	605	0	94.68	5.32	ME-SA	PanAsia-2 ^{FAR-09}
4	O/TUR/257/2008* (FMDI)	TUR08-AD	639	603	0	94.37	5.63	ME-SA	PanAsia-2 ^{TER-08}
5	O/IRN/18/2010	IRN10-18	639	598	0	93.58	6.42	ME-SA	PanAsia-2 ^{BAL-09}
6	O/PAK/16/2010	PAK10-16	639	597	0	93.43	6.57	ME-SA	PanAsia-2 ^{PUN-10}
7	O/TUR/264/2009* (FMDI)	TUR09-AK	639	596	0	93.27	6.73	ME-SA	PanAsia-2 ^{SAN-09}
8	O/UKG/35/2001 (AJ539141)	UKG01-35	639	584	0	91.39	8.61	ME-SA	PanAsia
9	O/IRN/61/2001 (DQ164896)	IRN01-61	638	571	1	89.50	10.50	ME-SA	Irn-2001
10	O/KUW/3/97 (DQ164904)	KUW97-03	639	571	0	89.36	10.64	ME-SA	Ind-2001a

nt, nucleotides

*, not a WRLFMD reference number

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Serotype: O	Report date: 04/11/2010
WRLFMD Ref No: AFG/34/2010	Reported by: N.J. Knowles
Batch No: WRLFMD/2010/00030	Checked by: D.P. King
Sender Ref: 210	
Location: Qabghan, Rokha, Panjsher, Afghanistan	Topotype: ME-SA
Date collected: 24/03/2010	Genotype/strain: PanAsia-2 ^{ANT-10}
Date received by WRLFMD: 31/08/2010	Sequence filename: AFG10-34.SEQ
Date received for sequencing: 25/10/2010	Date sequence last updated: 04/11/2010
Species: Not Known	No. of Nt determined: 639
Material used: OS	No. of ambiguities: 0
Region sequenced: VP1	Gene length: 639
RT-PCR primers: O-1C272F/EUR-2B52R	Total no. of comparisons: 2434
	Min. no. of nt for comparison: 600
	Total turn-around time: 65 days
	Sequencing time: 10 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/AFG/59/2010	AFG10-59	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
2	O/AFG/61/2010	AFG10-61	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
3	O/AFG/89/2010	AFG10-89	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
4	O/IRN/96/2010	IRN10-96	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
5	O/AFG/32/2010	AFG10-32	639	637	0	99.69	0.31	ME-SA	PanAsia-2 ^{ANT-10}
6	O/AFG/36/2010	AFG10-36	639	637	0	99.69	0.31	ME-SA	PanAsia-2 ^{ANT-10}
7	O/IRN/139/2010	IRN10139	639	637	0	99.69	0.31	ME-SA	PanAsia-2 ^{ANT-10}
8	O/IRN/183/2010	IRN10183	639	637	0	99.69	0.31	ME-SA	PanAsia-2 ^{ANT-10}
9	O/IRN/62/2010	IRN10-62	639	637	0	99.69	0.31	ME-SA	PanAsia-2 ^{ANT-10}
10	O/IRN/97/2010	IRN10-97	639	637	0	99.69	0.31	ME-SA	PanAsia-2 ^{ANT-10}
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	O/IRN/88/2009	IRN09-88	639	634	0	99.22	0.78	ME-SA	PanAsia-2 ^{ANT-10}
2	O/IRN/8/2005	IRN05-08	639	607	0	94.99	5.01	ME-SA	PanAsia-2
3	O/IRN/31/2009	IRN09-31	639	605	0	94.68	5.32	ME-SA	PanAsia-2 ^{FAR-09}
4	O/TUR/257/2008* (FMDI)	TUR08-AD	639	603	0	94.37	5.63	ME-SA	PanAsia-2 ^{TER-08}
5	O/IRN/18/2010	IRN10-18	639	598	0	93.58	6.42	ME-SA	PanAsia-2 ^{BAL-09}
6	O/TUR/264/2009* (FMDI)	TUR09-AK	639	596	0	93.27	6.73	ME-SA	PanAsia-2 ^{SAN-09}
7	O/PAK/16/2010	PAK10-16	639	595	0	93.11	6.89	ME-SA	PanAsia-2 ^{PUN-10}
8	O/UKG/35/2001 (AJ539141)	UKG01-35	639	584	0	91.39	8.61	ME-SA	PanAsia
9	O/IRN/61/2001 (DQ164896)	IRN01-61	638	571	1	89.50	10.50	ME-SA	Irn-2001
10	O/KUW/3/97 (DQ164904)	KUW97-03	639	571	0	89.36	10.64	ME-SA	Ind-2001a

nt, nucleotides

*, not a WRLFMD reference number

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Serotype: O	Report date: 04/11/2010
WRLFMD Ref No: AFG/36/2010	Reported by: N.J. Knowles
Batch No: WRLFMD/2010/00030	Checked by: D.P. King
Sender Ref: 212	
Location: Qabghan, Rokha, Panjsher, Afghanistan	Topotype: ME-SA
Date collected: 24/03/2010	Genotype/strain: PanAsia-2 ^{ANT-10}
Date received by WRLFMD: 31/08/2010	Sequence filename: AFG10-36.SEQ
Date received for sequencing: 25/10/2010	Date sequence last updated: 04/11/2010
Species: Not Known	No. of Nt determined: 639
Material used: OS	No. of ambiguities: 0
Region sequenced: VP1	Gene length: 639
RT-PCR primers: O-1C272F/EUR-2B52R	Total no. of comparisons: 2434
	Min. no. of nt for comparison: 600
	Total turn-around time: 65 days
	Sequencing time: 10 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/AFG/34/2010	AFG10-34	639	637	0	99.69	0.31	ME-SA	PanAsia-2 ^{ANT-10}
2	O/AFG/59/2010	AFG10-59	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
3	O/AFG/61/2010	AFG10-61	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
4	O/AFG/89/2010	AFG10-89	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
5	O/IRN/106/2010	IRN10106	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
6	O/IRN/170/2010	IRN10170	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
7	O/IRN/96/2010	IRN10-96	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
8	O/AFG/32/2010	AFG10-32	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
9	O/IRN/139/2010	IRN10139	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
10	O/IRN/183/2010	IRN10183	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
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	O/IRN/88/2009	IRN09-88	639	632	0	98.90	1.10	ME-SA	PanAsia-2 ^{ANT-10}
2	O/IRN/8/2005	IRN05-08	639	605	0	94.68	5.32	ME-SA	PanAsia-2
3	O/IRN/31/2009	IRN09-31	639	603	0	94.37	5.63	ME-SA	PanAsia-2 ^{FAR-09}
4	O/TUR/257/2008* (FMDI)	TUR08-AD	639	601	0	94.05	5.95	ME-SA	PanAsia-2 ^{TER-08}
5	O/IRN/18/2010	IRN10-18	639	596	0	93.27	6.73	ME-SA	PanAsia-2 ^{BAL-09}
6	O/PAK/16/2010	PAK10-16	639	594	0	92.96	7.04	ME-SA	PanAsia-2 ^{PUN-10}
7	O/TUR/264/2009* (FMDI)	TUR09-AK	639	594	0	92.96	7.04	ME-SA	PanAsia-2 ^{SAN-09}
8	O/UKG/35/2001 (AJ539141)	UKG01-35	639	582	0	91.08	8.92	ME-SA	PanAsia
9	O/IRN/61/2001 (DQ164896)	IRN01-61	638	569	1	89.18	10.82	ME-SA	Irn-2001
10	O/KUW/3/97 (DQ164904)	KUW97-03	639	569	0	89.05	10.95	ME-SA	Ind-2001a

nt, nucleotides

*, not a WRLFMD reference number

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Serotype: O WRLFMD Ref No: AFG/39/2010 Batch No: WRLFMD/2010/00030 Sender Ref: 216 Location: Alaw Ddin, Nahea6, Kabul, Afghanistan Date collected: 06/04/2010 Date received by WRLFMD: 31/08/2010 Date received for sequencing: 25/10/2010 Species: Not Known Material used: OS Region sequenced: VP1 RT-PCR primers: O-1C244F/EUR-2B52R	Report date: 04/11/2010 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ME-SA Genotype/strain: PanAsia-2 ^{ANT-10} Sequence filename: AFG10-39.SEQ Date sequence last updated: 04/11/2010 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 2434 Min. no. of nt for comparison: 600 Total turn-around time: 65 days Sequencing time: 10 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/AFG/40/2010	AFG10-40	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
2	O/AFG/41/2010	AFG10-41	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
3	O/AFG/42/2010	AFG10-42	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
4	O/IRN/62/2010	IRN10-62	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
5	O/AFG/43/2010	AFG10-43	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
6	O/AFG/44/2010	AFG10-44	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
7	O/AFG/56/2010	AFG10-56	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
8	O/AFG/57/2010	AFG10-57	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
9	O/AFG/59/2010	AFG10-59	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
10	O/AFG/61/2010	AFG10-61	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
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	O/IRN/88/2009	IRN09-88	639	631	0	98.75	1.25	ME-SA	PanAsia-2 ^{ANT-10}
2	O/IRN/8/2005	IRN05-08	639	604	0	94.52	5.48	ME-SA	PanAsia-2
3	O/IRN/31/2009	IRN09-31	639	602	0	94.21	5.79	ME-SA	PanAsia-2 ^{FAR-09}
4	O/TUR/257/2008* (FMDI)	TUR08-AD	639	600	0	93.90	6.10	ME-SA	PanAsia-2 ^{TER-08}
5	O/IRN/18/2010	IRN10-18	639	597	0	93.43	6.57	ME-SA	PanAsia-2 ^{BAL-09}
6	O/PAK/16/2010	PAK10-16	639	594	0	92.96	7.04	ME-SA	PanAsia-2 ^{PUN-10}
7	O/TUR/264/2009* (FMDI)	TUR09-AK	639	593	0	92.80	7.20	ME-SA	PanAsia-2 ^{SAN-09}
8	O/UKG/35/2001 (AJ539141)	UKG01-35	639	583	0	91.24	8.76	ME-SA	PanAsia
9	O/IRN/61/2001 (DQ164896)	IRN01-61	638	570	1	89.34	10.66	ME-SA	Irn-2001
10	O/KUW/3/97 (DQ164904)	KUW97-03	639	570	0	89.20	10.80	ME-SA	Ind-2001a

nt, nucleotides

*, not a WRLFMD reference number

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Serotype: O WRLFMD Ref No: AFG/40/2010 Batch No: WRLFMD/2010/00030 Sender Ref: 217 Location: Dewanbegi, Nahea 5, Kabul, Afghanistan Date collected: 12/04/2010 Date received by WRLFMD: 31/08/2010 Date received for sequencing: 25/10/2010 Species: Not Known Material used: OS Region sequenced: VP1 RT-PCR primers: O-1C272F/EUR-2B52R	Report date: 04/11/2010 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ME-SA Genotype/strain: PanAsia-2 ^{ANT-10} Sequence filename: AFG10-40.SEQ Date sequence last updated: 04/11/2010 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 2434 Min. no. of nt for comparison: 600 Total turn-around time: 65 days Sequencing time: 10 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/AFG/41/2010	AFG10-41	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{ANT-10}
2	O/AFG/42/2010	AFG10-42	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{ANT-10}
3	O/AFG/43/2010	AFG10-43	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
4	O/AFG/44/2010	AFG10-44	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
5	O/AFG/56/2010	AFG10-56	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
6	O/AFG/57/2010	AFG10-57	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
7	O/IRN/62/2010	IRN10-62	639	637	0	99.69	0.31	ME-SA	PanAsia-2 ^{ANT-10}
8	O/AFG/39/2010	AFG10-39	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
9	O/AFG/59/2010	AFG10-59	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
10	O/AFG/61/2010	AFG10-61	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
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	O/IRN/88/2009	IRN09-88	639	632	0	98.90	1.10	ME-SA	PanAsia-2 ^{ANT-10}
2	O/IRN/8/2005	IRN05-08	639	605	0	94.68	5.32	ME-SA	PanAsia-2
3	O/IRN/31/2009	IRN09-31	639	603	0	94.37	5.63	ME-SA	PanAsia-2 ^{FAR-09}
4	O/TUR/257/2008* (FMDI)	TUR08-AD	639	601	0	94.05	5.95	ME-SA	PanAsia-2 ^{TER-08}
5	O/IRN/18/2010	IRN10-18	639	596	0	93.27	6.73	ME-SA	PanAsia-2 ^{BAL-09}
6	O/TUR/264/2009* (FMDI)	TUR09-AK	639	594	0	92.96	7.04	ME-SA	PanAsia-2 ^{SAN-09}
7	O/PAK/16/2010	PAK10-16	639	593	0	92.80	7.20	ME-SA	PanAsia-2 ^{PUN-10}
8	O/UKG/35/2001 (AJ539141)	UKG01-35	639	582	0	91.08	8.92	ME-SA	PanAsia
9	O/IRN/61/2001 (DQ164896)	IRN01-61	638	569	1	89.18	10.82	ME-SA	Im-2001
10	O/KUW/3/97 (DQ164904)	KUW97-03	639	569	0	89.05	10.95	ME-SA	Ind-2001a

nt, nucleotides

*, not a WRLFMD reference number

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Serotype: O WRLFMD Ref No: AFG/41/2010 Batch No: WRLFMD/2010/00030 Sender Ref: 218 Location: Aqa Sarai, Kalakan, Kabul, Afghanistan Date collected: 14/04/2010 Date received by WRLFMD: 31/08/2010 Date received for sequencing: 25/10/2010 Species: Not Known Material used: OS Region sequenced: VP1 RT-PCR primers: O-1C272F/EUR-2B52R	Report date: 04/11/2010 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ME-SA Genotype/strain: PanAsia-2 ^{ANT-10} Sequence filename: AFG10-41.SEQ Date sequence last updated: 04/11/2010 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 2434 Min. no. of nt for comparison: 600 Total turn-around time: 65 days Sequencing time: 10 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/AFG/40/2010	AFG10-40	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{ANT-10}
2	O/AFG/42/2010	AFG10-42	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{ANT-10}
3	O/AFG/43/2010	AFG10-43	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
4	O/AFG/44/2010	AFG10-44	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
5	O/AFG/56/2010	AFG10-56	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
6	O/AFG/57/2010	AFG10-57	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
7	O/IRN/62/2010	IRN10-62	639	637	0	99.69	0.31	ME-SA	PanAsia-2 ^{ANT-10}
8	O/AFG/39/2010	AFG10-39	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
9	O/AFG/59/2010	AFG10-59	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
10	O/AFG/61/2010	AFG10-61	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
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	O/IRN/88/2009	IRN09-88	639	632	0	98.90	1.10	ME-SA	PanAsia-2 ^{ANT-10}
2	O/IRN/8/2005	IRN05-08	639	605	0	94.68	5.32	ME-SA	PanAsia-2
3	O/IRN/31/2009	IRN09-31	639	603	0	94.37	5.63	ME-SA	PanAsia-2 ^{FAR-09}
4	O/TUR/257/2008* (FMDI)	TUR08-AD	639	601	0	94.05	5.95	ME-SA	PanAsia-2 ^{TER-08}
5	O/IRN/18/2010	IRN10-18	639	596	0	93.27	6.73	ME-SA	PanAsia-2 ^{BAL-09}
6	O/TUR/264/2009* (FMDI)	TUR09-AK	639	594	0	92.96	7.04	ME-SA	PanAsia-2 ^{SAN-09}
7	O/PAK/16/2010	PAK10-16	639	593	0	92.80	7.20	ME-SA	PanAsia-2 ^{PUN-10}
8	O/UKG/35/2001 (AJ539141)	UKG01-35	639	582	0	91.08	8.92	ME-SA	PanAsia
9	O/IRN/61/2001 (DQ164896)	IRN01-61	638	569	1	89.18	10.82	ME-SA	Im-2001
10	O/KUW/3/97 (DQ164904)	KUW97-03	639	569	0	89.05	10.95	ME-SA	Ind-2001a

nt, nucleotides

*, not a WRLFMD reference number

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Serotype: O WRLFMD Ref No: AFG/42/2010 Batch No: WRLFMD/2010/00030 Sender Ref: 219 Location: Zor Abad, Nahea 11, Kabul, Afghanistan Date collected: 14/04/2010 Date received by WRLFMD: 31/08/2010 Date received for sequencing: 25/10/2010 Species: Not Known Material used: OS Region sequenced: VP1 RT-PCR primers: O-1C244F/EUR-2B52R	Report date: 04/11/2010 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ME-SA Genotype/strain: PanAsia-2 ^{ANT-10} Sequence filename: AFG10-42.SEQ Date sequence last updated: 04/11/2010 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 2434 Min. no. of nt for comparison: 600 Total turn-around time: 65 days Sequencing time: 10 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/AFG/40/2010	AFG10-40	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{ANT-10}
2	O/AFG/41/2010	AFG10-41	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{ANT-10}
3	O/AFG/43/2010	AFG10-43	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
4	O/AFG/44/2010	AFG10-44	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
5	O/AFG/56/2010	AFG10-56	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
6	O/AFG/57/2010	AFG10-57	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
7	O/IRN/62/2010	IRN10-62	639	637	0	99.69	0.31	ME-SA	PanAsia-2 ^{ANT-10}
8	O/AFG/39/2010	AFG10-39	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
9	O/AFG/59/2010	AFG10-59	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
10	O/AFG/61/2010	AFG10-61	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
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	O/IRN/88/2009	IRN09-88	639	632	0	98.90	1.10	ME-SA	PanAsia-2 ^{ANT-10}
2	O/IRN/8/2005	IRN05-08	639	605	0	94.68	5.32	ME-SA	PanAsia-2
3	O/IRN/31/2009	IRN09-31	639	603	0	94.37	5.63	ME-SA	PanAsia-2 ^{FAR-09}
4	O/TUR/257/2008* (FMDI)	TUR08-AD	639	601	0	94.05	5.95	ME-SA	PanAsia-2 ^{TER-08}
5	O/IRN/18/2010	IRN10-18	639	596	0	93.27	6.73	ME-SA	PanAsia-2 ^{BAL-09}
6	O/TUR/264/2009* (FMDI)	TUR09-AK	639	594	0	92.96	7.04	ME-SA	PanAsia-2 ^{SAN-09}
7	O/PAK/16/2010	PAK10-16	639	593	0	92.80	7.20	ME-SA	PanAsia-2 ^{PUN-10}
8	O/UKG/35/2001 (AJ539141)	UKG01-35	639	582	0	91.08	8.92	ME-SA	PanAsia
9	O/IRN/61/2001 (DQ164896)	IRN01-61	638	569	1	89.18	10.82	ME-SA	Im-2001
10	O/KUW/3/97 (DQ164904)	KUW97-03	639	569	0	89.05	10.95	ME-SA	Ind-2001a

nt, nucleotides

*, not a WRLFMD reference number

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Serotype: O WRLFMD Ref No: AFG/43/2010 Batch No: WRLFMD/2010/00030 Sender Ref: 220 Location: Ansari, Kalakan, Kabul, Afghanistan Date collected: 15/04/2010 Date received by WRLFMD: 31/08/2010 Date received for sequencing: 25/10/2010 Species: Not Known Material used: OS Region sequenced: VP1 RT-PCR primers: O-1C244F/EUR-2B52R	Report date: 04/11/2010 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ME-SA Genotype/strain: PanAsia-2 ^{ANT-10} Sequence filename: AFG10-43.SEQ Date sequence last updated: 04/11/2010 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 2434 Min. no. of nt for comparison: 600 Total turn-around time: 65 days Sequencing time: 10 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/AFG/44/2010	AFG10-44	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{ANT-10}
2	O/AFG/56/2010	AFG10-56	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{ANT-10}
3	O/AFG/57/2010	AFG10-57	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{ANT-10}
4	O/AFG/40/2010	AFG10-40	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
5	O/AFG/41/2010	AFG10-41	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
6	O/AFG/42/2010	AFG10-42	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
7	O/IRN/62/2010	IRN10-62	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
8	O/AFG/39/2010	AFG10-39	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
9	O/AFG/59/2010	AFG10-59	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
10	O/AFG/61/2010	AFG10-61	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
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	O/IRN/88/2009	IRN09-88	639	631	0	98.75	1.25	ME-SA	PanAsia-2 ^{ANT-10}
2	O/IRN/8/2005	IRN05-08	639	604	0	94.52	5.48	ME-SA	PanAsia-2
3	O/IRN/31/2009	IRN09-31	639	602	0	94.21	5.79	ME-SA	PanAsia-2 ^{FAR-09}
4	O/TUR/257/2008* (FMDI)	TUR08-AD	639	600	0	93.90	6.10	ME-SA	PanAsia-2 ^{TER-08}
5	O/IRN/18/2010	IRN10-18	639	595	0	93.11	6.89	ME-SA	PanAsia-2 ^{BAL-09}
6	O/TUR/264/2009* (FMDI)	TUR09-AK	639	593	0	92.80	7.20	ME-SA	PanAsia-2 ^{SAN-09}
7	O/PAK/16/2010	PAK10-16	639	592	0	92.64	7.36	ME-SA	PanAsia-2 ^{PUN-10}
8	O/UKG/35/2001 (AJ539141)	UKG01-35	639	581	0	90.92	9.08	ME-SA	PanAsia
9	O/IRN/61/2001 (DQ164896)	IRN01-61	638	568	1	89.03	10.97	ME-SA	Im-2001
10	O/KUW/3/97 (DQ164904)	KUW97-03	639	568	0	88.89	11.11	ME-SA	Ind-2001a

nt, nucleotides

*, not a WRLFMD reference number

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Serotype: O WRLFMD Ref No: AFG/44/2010 Batch No: WRLFMD/2010/00030 Sender Ref: 221 Location: Zor Abad, Nahea 11, Kabul, Afghanistan Date collected: 22/04/2010 Date received by WRLFMD: 31/08/2010 Date received for sequencing: 25/10/2010 Species: Not Known Material used: OS Region sequenced: VP1 RT-PCR primers: O-1C244F/EUR-2B52R	Report date: 04/11/2010 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ME-SA Genotype/strain: PanAsia-2 ^{ANT-10} Sequence filename: AFG10-44.SEQ Date sequence last updated: 04/11/2010 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 2434 Min. no. of nt for comparison: 600 Total turn-around time: 65 days Sequencing time: 10 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/AFG/43/2010	AFG10-43	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{ANT-10}
2	O/AFG/56/2010	AFG10-56	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{ANT-10}
3	O/AFG/57/2010	AFG10-57	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{ANT-10}
4	O/AFG/40/2010	AFG10-40	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
5	O/AFG/41/2010	AFG10-41	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
6	O/AFG/42/2010	AFG10-42	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
7	O/IRN/62/2010	IRN10-62	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
8	O/AFG/39/2010	AFG10-39	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
9	O/AFG/59/2010	AFG10-59	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
10	O/AFG/61/2010	AFG10-61	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
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	O/IRN/88/2009	IRN09-88	639	631	0	98.75	1.25	ME-SA	PanAsia-2 ^{ANT-10}
2	O/IRN/8/2005	IRN05-08	639	604	0	94.52	5.48	ME-SA	PanAsia-2
3	O/IRN/31/2009	IRN09-31	639	602	0	94.21	5.79	ME-SA	PanAsia-2 ^{FAR-09}
4	O/TUR/257/2008* (FMDI)	TUR08-AD	639	600	0	93.90	6.10	ME-SA	PanAsia-2 ^{TER-08}
5	O/IRN/18/2010	IRN10-18	639	595	0	93.11	6.89	ME-SA	PanAsia-2 ^{BAL-09}
6	O/TUR/264/2009* (FMDI)	TUR09-AK	639	593	0	92.80	7.20	ME-SA	PanAsia-2 ^{SAN-09}
7	O/PAK/16/2010	PAK10-16	639	592	0	92.64	7.36	ME-SA	PanAsia-2 ^{PUN-10}
8	O/UKG/35/2001 (AJ539141)	UKG01-35	639	581	0	90.92	9.08	ME-SA	PanAsia
9	O/IRN/61/2001 (DQ164896)	IRN01-61	638	568	1	89.03	10.97	ME-SA	Im-2001
10	O/KUW/3/97 (DQ164904)	KUW97-03	639	568	0	88.89	11.11	ME-SA	Ind-2001a

nt, nucleotides

*, not a WRLFMD reference number

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Serotype: O WRLFMD Ref No: AFG/51/2010 Batch No: WRLFMD/2010/00030 Sender Ref: 233 Location: Bedaki Sharif, Cnter, Faryab, Afghanistan Date collected: 08/05/2010 Date received by WRLFMD: 31/08/2010 Date received for sequencing: 25/10/2010 Species: Not Known Material used: OS Region sequenced: VP1 RT-PCR primers: O-1C244F/EUR-2B52R A-1C562F/EUR-2B52R A-1C612F/EUR-2B52R	Report date: 04/11/2010 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ME-SA Genotype/strain: PanAsia-2 ^{ANT-10} Sequence filename: AFG10-51.SEQ Date sequence last updated: 04/11/2010 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 2434 Min. no. of nt for comparison: 600 Total turn-around time: 65 days Sequencing time: 10 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/AFG/60/2010	AFG10-60	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
2	O/AFG/62/2010	AFG10-62	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
3	O/AFG/68/2010	AFG10-68	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
4	O/IRN/139/2010	IRN10139	639	633	0	99.06	0.94	ME-SA	PanAsia-2 ^{ANT-10}
5	O/IRN/62/2010	IRN10-62	639	633	0	99.06	0.94	ME-SA	PanAsia-2 ^{ANT-10}
6	O/AFG/59/2010	AFG10-59	639	632	0	98.90	1.10	ME-SA	PanAsia-2 ^{ANT-10}
7	O/AFG/61/2010	AFG10-61	639	632	0	98.90	1.10	ME-SA	PanAsia-2 ^{ANT-10}
8	O/AFG/65/2010	AFG10-65	639	632	0	98.90	1.10	ME-SA	PanAsia-2 ^{ANT-10}
9	O/AFG/66/2010	AFG10-66	639	632	0	98.90	1.10	ME-SA	PanAsia-2 ^{ANT-10}
10	O/AFG/67/2010	AFG10-67	639	632	0	98.90	1.10	ME-SA	PanAsia-2 ^{ANT-10}
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	O/IRN/88/2009	IRN09-88	639	628	0	98.28	1.72	ME-SA	PanAsia-2 ^{ANT-10}
2	O/IRN/8/2005	IRN05-08	639	604	0	94.52	5.48	ME-SA	PanAsia-2
3	O/IRN/31/2009	IRN09-31	639	601	0	94.05	5.95	ME-SA	PanAsia-2 ^{FAR-09}
4	O/TUR/257/2008* (FMDI)	TUR08-AD	639	597	0	93.43	6.57	ME-SA	PanAsia-2 ^{TER-08}
5	O/IRN/18/2010	IRN10-18	639	595	0	93.11	6.89	ME-SA	PanAsia-2 ^{BAL-09}
6	O/TUR/264/2009* (FMDI)	TUR09-AK	639	592	0	92.64	7.36	ME-SA	PanAsia-2 ^{SAN-09}
7	O/PAK/16/2010	PAK10-16	639	591	0	92.49	7.51	ME-SA	PanAsia-2 ^{PUN-10}
8	O/UKG/35/2001 (AJ539141)	UKG01-35	639	584	0	91.39	8.61	ME-SA	PanAsia
9	O/OMN/7/2001 (DQ164941)	OMN01-07	639	572	0	89.51	10.49	ME-SA	Ind-2001b
10	O/KUW/3/97 (DQ164904)	KUW97-03	639	571	0	89.36	10.64	ME-SA	Ind-2001a

nt, nucleotides

*, not a WRLFMD reference number

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Serotype: O WRLFMD Ref No: AFG/52/2010 Batch No: WRLFMD/2010/00030 Sender Ref: 234 Location: Bedaki Sharif, Cnter, Faryab, Afghanistan Date collected: 08/05/2010 Date received by WRLFMD: 31/08/2010 Date received for sequencing: 25/10/2010 Species: Not Known Material used: OS Region sequenced: VP1 RT-PCR primers: O-1C272F/EUR-2B52R	Report date: 04/11/2010 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ME-SA Genotype/strain: PanAsia-2 ^{BAL-09} Sequence filename: AFG10-52.SEQ Date sequence last updated: 04/11/2010 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 2434 Min. no. of nt for comparison: 600 Total turn-around time: 65 days Sequencing time: 10 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/AFG/109/2010	AFG10109	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
2	O/AFG/19/2010	AFG10-19	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
3	O/AFG/21/2010	AFG10-21	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
4	O/AFG/22/2009	AFG09-22	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
5	O/AFG/22/2010	AFG10-22	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
6	O/AFG/23/2010	AFG10-23	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
7	O/AFG/24/2009	AFG09-24	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
8	O/AFG/27/2009	AFG09-27	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
9	O/AFG/28/2009	AFG09-28	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
10	O/AFG/29/2009	AFG09-29	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
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	O/IRN/18/2010	IRN10-18	639	637	0	99.69	0.31	ME-SA	PanAsia-2 ^{BAL-09}
2	O/IRN/31/2009	IRN09-31	639	611	0	95.62	4.38	ME-SA	PanAsia-2 ^{FAR-09}
3	O/IRN/8/2005	IRN05-08	639	607	0	94.99	5.01	ME-SA	PanAsia-2
4	O/TUR/257/2008* (FMDI)	TUR08-AD	639	606	0	94.84	5.16	ME-SA	PanAsia-2 ^{TER-08}
5	O/PAK/16/2010	PAK10-16	639	601	0	94.05	5.95	ME-SA	PanAsia-2 ^{PUN-10}
6	O/TUR/264/2009* (FMDI)	TUR09-AK	639	601	0	94.05	5.95	ME-SA	PanAsia-2 ^{SAN-09}
7	O/IRN/88/2009	IRN09-88	639	597	0	93.43	6.57	ME-SA	PanAsia-2 ^{ANT-10}
8	O/UKG/35/2001 (AJ539141)	UKG01-35	639	591	0	92.49	7.51	ME-SA	PanAsia
9	O/KUW/3/97 (DQ164904)	KUW97-03	639	577	0	90.30	9.70	ME-SA	Ind-2001a
10	O/OMN/7/2001 (DQ164941)	OMN01-07	639	574	0	89.83	10.17	ME-SA	Ind-2001b

nt, nucleotides

* , not a WRLFMD reference number

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Serotype: O WRLFMD Ref No: AFG/53/2010 Batch No: WRLFMD/2010/00030 Sender Ref: 235 Location: Bedaki Sharif, Cnter, Faryab, Afghanistan Date collected: 08/05/2010 Date received by WRLFMD: 31/08/2010 Date received for sequencing: 25/10/2010 Species: Not Known Material used: OS Region sequenced: VP1 RT-PCR primers: O-1C272F/EUR-2B52R	Report date: 04/11/2010 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ME-SA Genotype/strain: PanAsia-2 ^{BAL-09} Sequence filename: AFG10-53.SEQ Date sequence last updated: 04/11/2010 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 2434 Min. no. of nt for comparison: 600 Total turn-around time: 65 days Sequencing time: 10 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/AFG/109/2010	AFG10109	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
2	O/AFG/19/2010	AFG10-19	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
3	O/AFG/21/2010	AFG10-21	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
4	O/AFG/22/2009	AFG09-22	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
5	O/AFG/22/2010	AFG10-22	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
6	O/AFG/23/2010	AFG10-23	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
7	O/AFG/24/2009	AFG09-24	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
8	O/AFG/27/2009	AFG09-27	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
9	O/AFG/28/2009	AFG09-28	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
10	O/AFG/29/2009	AFG09-29	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
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	O/IRN/18/2010	IRN10-18	639	637	0	99.69	0.31	ME-SA	PanAsia-2 ^{BAL-09}
2	O/IRN/31/2009	IRN09-31	639	611	0	95.62	4.38	ME-SA	PanAsia-2 ^{FAR-09}
3	O/IRN/8/2005	IRN05-08	639	607	0	94.99	5.01	ME-SA	PanAsia-2
4	O/TUR/257/2008* (FMDI)	TUR08-AD	639	606	0	94.84	5.16	ME-SA	PanAsia-2 ^{TER-08}
5	O/PAK/16/2010	PAK10-16	639	601	0	94.05	5.95	ME-SA	PanAsia-2 ^{PUN-10}
6	O/TUR/264/2009* (FMDI)	TUR09-AK	639	601	0	94.05	5.95	ME-SA	PanAsia-2 ^{SAN-09}
7	O/IRN/88/2009	IRN09-88	639	597	0	93.43	6.57	ME-SA	PanAsia-2 ^{ANT-10}
8	O/UKG/35/2001 (AJ539141)	UKG01-35	639	591	0	92.49	7.51	ME-SA	PanAsia
9	O/KUW/3/97 (DQ164904)	KUW97-03	639	577	0	90.30	9.70	ME-SA	Ind-2001a
10	O/OMN/7/2001 (DQ164941)	OMN01-07	639	574	0	89.83	10.17	ME-SA	Ind-2001b

nt, nucleotides

*, not a WRLFMD reference number

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Serotype: O WRLFMD Ref No: AFG/55/2010 Batch No: WRLFMD/2010/00030 Sender Ref: 228 Location: Cilinic, Center, Faryab, Afghanistan Date collected: 09/05/2010 Date received by WRLFMD: 31/08/2010 Date received for sequencing: 25/10/2010 Species: Not Known Material used: OS Region sequenced: VP1 RT-PCR primers: O-1C244F/EUR-2B52R	Report date: 04/11/2010 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ME-SA Genotype/strain: PanAsia-2 ^{ANT-10} Sequence filename: AFG10-55.SEQ Date sequence last updated: 04/11/2010 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 2434 Min. no. of nt for comparison: 600 Total turn-around time: 65 days Sequencing time: 10 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/AFG/58/2010	AFG10-58	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{ANT-10}
2	O/IRN/62/2010	IRN10-62	639	632	0	98.90	1.10	ME-SA	PanAsia-2 ^{ANT-10}
3	O/AFG/59/2010	AFG10-59	639	631	0	98.75	1.25	ME-SA	PanAsia-2 ^{ANT-10}
4	O/AFG/61/2010	AFG10-61	639	631	0	98.75	1.25	ME-SA	PanAsia-2 ^{ANT-10}
5	O/AFG/65/2010	AFG10-65	639	631	0	98.75	1.25	ME-SA	PanAsia-2 ^{ANT-10}
6	O/AFG/66/2010	AFG10-66	639	631	0	98.75	1.25	ME-SA	PanAsia-2 ^{ANT-10}
7	O/AFG/67/2010	AFG10-67	639	631	0	98.75	1.25	ME-SA	PanAsia-2 ^{ANT-10}
8	O/AFG/82/2010	AFG10-82	639	631	0	98.75	1.25	ME-SA	PanAsia-2 ^{ANT-10}
9	O/AFG/89/2010	AFG10-89	639	631	0	98.75	1.25	ME-SA	PanAsia-2 ^{ANT-10}
10	O/IRN/106/2010	IRN10106	639	631	0	98.75	1.25	ME-SA	PanAsia-2 ^{ANT-10}
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	O/IRN/88/2009	IRN09-88	639	627	0	98.12	1.88	ME-SA	PanAsia-2 ^{ANT-10}
2	O/IRN/8/2005	IRN05-08	639	602	0	94.21	5.79	ME-SA	PanAsia-2
3	O/IRN/31/2009	IRN09-31	639	599	0	93.74	6.26	ME-SA	PanAsia-2 ^{FAR-09}
4	O/TUR/257/2008* (FMDI)	TUR08-AD	639	598	0	93.58	6.42	ME-SA	PanAsia-2 ^{TER-08}
5	O/IRN/18/2010	IRN10-18	639	593	0	92.80	7.20	ME-SA	PanAsia-2 ^{BAL-09}
6	O/TUR/264/2009* (FMDI)	TUR09-AK	639	591	0	92.49	7.51	ME-SA	PanAsia-2 ^{SAN-09}
7	O/PAK/16/2010	PAK10-16	639	589	0	92.18	7.82	ME-SA	PanAsia-2 ^{PUN-10}
8	O/UKG/35/2001 (AJ539141)	UKG01-35	639	579	0	90.61	9.39	ME-SA	PanAsia
9	O/KUW/3/97 (DQ164904)	KUW97-03	639	568	0	88.89	11.11	ME-SA	Ind-2001a
10	O/IRN/61/2001 (DQ164896)	IRN01-61	638	567	1	88.87	11.13	ME-SA	Irn-2001

nt, nucleotides

*, not a WRLFMD reference number

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Serotype: O	Report date: 04/11/2010
WRLFMD Ref No: AFG/56/2010	Reported by: N.J. Knowles
Batch No: WRLFMD/2010/00030	Checked by: D.P. King
Sender Ref: 229	
Location: Cilinic, Center, Faryab, Afghanistan	Topotype: ME-SA
Date collected: 09/05/2010	Genotype/strain: PanAsia-2 ^{ANT-10}
Date received by WRLFMD: 31/08/2010	Sequence filename: AFG10-56.SEQ
Date received for sequencing: 25/10/2010	Date sequence last updated: 04/11/2010
Species: Not Known	No. of Nt determined: 639
Material used: OS	No. of ambiguities: 0
Region sequenced: VP1	Gene length: 639
RT-PCR primers: O-1C244F/EUR-2B52R	Total no. of comparisons: 2434
	Min. no. of nt for comparison: 600
	Total turn-around time: 65 days
	Sequencing time: 10 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/AFG/43/2010	AFG10-43	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{ANT-10}
2	O/AFG/44/2010	AFG10-44	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{ANT-10}
3	O/AFG/57/2010	AFG10-57	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{ANT-10}
4	O/AFG/40/2010	AFG10-40	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
5	O/AFG/41/2010	AFG10-41	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
6	O/AFG/42/2010	AFG10-42	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
7	O/IRN/62/2010	IRN10-62	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
8	O/AFG/39/2010	AFG10-39	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
9	O/AFG/59/2010	AFG10-59	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
10	O/AFG/61/2010	AFG10-61	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
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	O/IRN/88/2009	IRN09-88	639	631	0	98.75	1.25	ME-SA	PanAsia-2 ^{ANT-10}
2	O/IRN/8/2005	IRN05-08	639	604	0	94.52	5.48	ME-SA	PanAsia-2
3	O/IRN/31/2009	IRN09-31	639	602	0	94.21	5.79	ME-SA	PanAsia-2 ^{FAR-09}
4	O/TUR/257/2008* (FMDI)	TUR08-AD	639	600	0	93.90	6.10	ME-SA	PanAsia-2 ^{TER-08}
5	O/IRN/18/2010	IRN10-18	639	595	0	93.11	6.89	ME-SA	PanAsia-2 ^{BAL-09}
6	O/TUR/264/2009* (FMDI)	TUR09-AK	639	593	0	92.80	7.20	ME-SA	PanAsia-2 ^{SAN-09}
7	O/PAK/16/2010	PAK10-16	639	592	0	92.64	7.36	ME-SA	PanAsia-2 ^{PUN-10}
8	O/UKG/35/2001 (AJ539141)	UKG01-35	639	581	0	90.92	9.08	ME-SA	PanAsia
9	O/IRN/61/2001 (DQ164896)	IRN01-61	638	568	1	89.03	10.97	ME-SA	Im-2001
10	O/KUW/3/97 (DQ164904)	KUW97-03	639	568	0	88.89	11.11	ME-SA	Ind-2001a

nt, nucleotides

*, not a WRLFMD reference number

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Serotype: O WRLFMD Ref No: AFG/57/2010 Batch No: WRLFMD/2010/00030 Sender Ref: 230 Location: Cilinic, Center, Faryab, Afghanistan Date collected: 09/05/2010 Date received by WRLFMD: 31/08/2010 Date received for sequencing: 25/10/2010 Species: Not Known Material used: OS Region sequenced: VP1 RT-PCR primers: O-1C244F/EUR-2B52R	Report date: 04/11/2010 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ME-SA Genotype/strain: PanAsia-2 ^{ANT-10} Sequence filename: AFG10-57.SEQ Date sequence last updated: 04/11/2010 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 2434 Min. no. of nt for comparison: 600 Total turn-around time: 65 days Sequencing time: 10 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/AFG/43/2010	AFG10-43	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{ANT-10}
2	O/AFG/44/2010	AFG10-44	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{ANT-10}
3	O/AFG/56/2010	AFG10-56	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{ANT-10}
4	O/AFG/40/2010	AFG10-40	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
5	O/AFG/41/2010	AFG10-41	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
6	O/AFG/42/2010	AFG10-42	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
7	O/IRN/62/2010	IRN10-62	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
8	O/AFG/39/2010	AFG10-39	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
9	O/AFG/59/2010	AFG10-59	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
10	O/AFG/61/2010	AFG10-61	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
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	O/IRN/88/2009	IRN09-88	639	631	0	98.75	1.25	ME-SA	PanAsia-2 ^{ANT-10}
2	O/IRN/8/2005	IRN05-08	639	604	0	94.52	5.48	ME-SA	PanAsia-2
3	O/IRN/31/2009	IRN09-31	639	602	0	94.21	5.79	ME-SA	PanAsia-2 ^{FAR-09}
4	O/TUR/257/2008* (FMDI)	TUR08-AD	639	600	0	93.90	6.10	ME-SA	PanAsia-2 ^{TER-08}
5	O/IRN/18/2010	IRN10-18	639	595	0	93.11	6.89	ME-SA	PanAsia-2 ^{BAL-09}
6	O/TUR/264/2009* (FMDI)	TUR09-AK	639	593	0	92.80	7.20	ME-SA	PanAsia-2 ^{SAN-09}
7	O/PAK/16/2010	PAK10-16	639	592	0	92.64	7.36	ME-SA	PanAsia-2 ^{PUN-10}
8	O/UKG/35/2001 (AJ539141)	UKG01-35	639	581	0	90.92	9.08	ME-SA	PanAsia
9	O/IRN/61/2001 (DQ164896)	IRN01-61	638	568	1	89.03	10.97	ME-SA	Im-2001
10	O/KUW/3/97 (DQ164904)	KUW97-03	639	568	0	88.89	11.11	ME-SA	Ind-2001a

nt, nucleotides

*, not a WRLFMD reference number

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Serotype: O WRLFMD Ref No: AFG/58/2010 Batch No: WRLFMD/2010/00030 Sender Ref: 231 Location: Cilinic, Center, Faryab, Afghanistan Date collected: 09/05/2010 Date received by WRLFMD: 31/08/2010 Date received for sequencing: 25/10/2010 Species: Not Known Material used: OS Region sequenced: VP1 RT-PCR primers: O-1C244F/EUR-2B52R	Report date: 04/11/2010 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ME-SA Genotype/strain: PanAsia-2 ^{ANT-10} Sequence filename: AFG10-58.SEQ Date sequence last updated: 04/11/2010 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 2434 Min. no. of nt for comparison: 600 Total turn-around time: 65 days Sequencing time: 10 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/AFG/55/2010	AFG10-55	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{ANT-10}
2	O/IRN/62/2010	IRN10-62	639	632	0	98.90	1.10	ME-SA	PanAsia-2 ^{ANT-10}
3	O/AFG/59/2010	AFG10-59	639	631	0	98.75	1.25	ME-SA	PanAsia-2 ^{ANT-10}
4	O/AFG/61/2010	AFG10-61	639	631	0	98.75	1.25	ME-SA	PanAsia-2 ^{ANT-10}
5	O/AFG/65/2010	AFG10-65	639	631	0	98.75	1.25	ME-SA	PanAsia-2 ^{ANT-10}
6	O/AFG/66/2010	AFG10-66	639	631	0	98.75	1.25	ME-SA	PanAsia-2 ^{ANT-10}
7	O/AFG/67/2010	AFG10-67	639	631	0	98.75	1.25	ME-SA	PanAsia-2 ^{ANT-10}
8	O/AFG/82/2010	AFG10-82	639	631	0	98.75	1.25	ME-SA	PanAsia-2 ^{ANT-10}
9	O/AFG/89/2010	AFG10-89	639	631	0	98.75	1.25	ME-SA	PanAsia-2 ^{ANT-10}
10	O/IRN/106/2010	IRN10106	639	631	0	98.75	1.25	ME-SA	PanAsia-2 ^{ANT-10}
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	O/IRN/88/2009	IRN09-88	639	627	0	98.12	1.88	ME-SA	PanAsia-2 ^{ANT-10}
2	O/IRN/8/2005	IRN05-08	639	602	0	94.21	5.79	ME-SA	PanAsia-2
3	O/IRN/31/2009	IRN09-31	639	599	0	93.74	6.26	ME-SA	PanAsia-2 ^{FAR-09}
4	O/TUR/257/2008* (FMDI)	TUR08-AD	639	598	0	93.58	6.42	ME-SA	PanAsia-2 ^{TER-08}
5	O/IRN/18/2010	IRN10-18	639	593	0	92.80	7.20	ME-SA	PanAsia-2 ^{BAL-09}
6	O/TUR/264/2009* (FMDI)	TUR09-AK	639	591	0	92.49	7.51	ME-SA	PanAsia-2 ^{SAN-09}
7	O/PAK/16/2010	PAK10-16	639	589	0	92.18	7.82	ME-SA	PanAsia-2 ^{PUN-10}
8	O/UKG/35/2001 (AJ539141)	UKG01-35	639	579	0	90.61	9.39	ME-SA	PanAsia
9	O/KUW/3/97 (DQ164904)	KUW97-03	639	568	0	88.89	11.11	ME-SA	Ind-2001a
10	O/IRN/61/2001 (DQ164896)	IRN01-61	638	567	1	88.87	11.13	ME-SA	Irn-2001

nt, nucleotides

*, not a WRLFMD reference number

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Serotype: O WRLFMD Ref No: AFG/59/2010 Batch No: WRLFMD/2010/00030 Sender Ref: 250 Location: Dalkhaky, Center, Samangan, Afghanistan Date collected: 14/05/2010 Date received by WRLFMD: 31/08/2010 Date received for sequencing: 25/10/2010 Species: Not Known Material used: OS Region sequenced: VP1 RT-PCR primers: O-1C244F/EUR-2B52R	Report date: 04/11/2010 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ME-SA Genotype/strain: PanAsia-2 ^{ANT-10} Sequence filename: AFG10-59.SEQ Date sequence last updated: 04/11/2010 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 2434 Min. no. of nt for comparison: 600 Total turn-around time: 65 days Sequencing time: 10 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/AFG/61/2010	AFG10-61	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{ANT-10}
2	O/AFG/89/2010	AFG10-89	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{ANT-10}
3	O/IRN/96/2010	IRN10-96	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{ANT-10}
4	O/AFG/32/2010	AFG10-32	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
5	O/AFG/34/2010	AFG10-34	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
6	O/IRN/139/2010	IRN10139	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
7	O/IRN/183/2010	IRN10183	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
8	O/IRN/62/2010	IRN10-62	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
9	O/IRN/97/2010	IRN10-97	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
10	O/PAK/36/2010	PAK10-36	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
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	O/IRN/88/2009	IRN09-88	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
2	O/IRN/8/2005	IRN05-08	639	608	0	95.15	4.85	ME-SA	PanAsia-2
3	O/IRN/31/2009	IRN09-31	639	606	0	94.84	5.16	ME-SA	PanAsia-2 ^{FAR-09}
4	O/TUR/257/2008* (FMDI)	TUR08-AD	639	604	0	94.52	5.48	ME-SA	PanAsia-2 ^{TER-08}
5	O/IRN/18/2010	IRN10-18	639	599	0	93.74	6.26	ME-SA	PanAsia-2 ^{BAL-09}
6	O/TUR/264/2009* (FMDI)	TUR09-AK	639	597	0	93.43	6.57	ME-SA	PanAsia-2 ^{SAN-09}
7	O/PAK/16/2010	PAK10-16	639	596	0	93.27	6.73	ME-SA	PanAsia-2 ^{PUN-10}
8	O/UKG/35/2001 (AJ539141)	UKG01-35	639	585	0	91.55	8.45	ME-SA	PanAsia
9	O/IRN/61/2001 (DQ164896)	IRN01-61	638	572	1	89.66	10.34	ME-SA	Im-2001
10	O/KUW/3/97 (DQ164904)	KUW97-03	639	572	0	89.51	10.49	ME-SA	Ind-2001a

nt, nucleotides

*, not a WRLFMD reference number

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Serotype: O WRLFMD Ref No: AFG/60/2010 Batch No: WRLFMD/2010/00030 Sender Ref: 251 Location: Dalkhaky, Center, Samangan, Afghanistan Date collected: 14/05/2010 Date received by WRLFMD: 31/08/2010 Date received for sequencing: 25/10/2010 Species: Not Known Material used: OS Region sequenced: VP1 RT-PCR primers: O-1C244F/EUR-2B52R	Report date: 04/11/2010 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ME-SA Genotype/strain: PanAsia-2 ^{ANT-10} Sequence filename: AFG10-60.SEQ Date sequence last updated: 04/11/2010 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 2434 Min. no. of nt for comparison: 600 Total turn-around time: 65 days Sequencing time: 10 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/AFG/62/2010	AFG10-62	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{ANT-10}
2	O/AFG/68/2010	AFG10-68	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{ANT-10}
3	O/AFG/51/2010	AFG10-51	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
4	O/IRN/139/2010	IRN10139	639	632	0	98.90	1.10	ME-SA	PanAsia-2 ^{ANT-10}
5	O/IRN/62/2010	IRN10-62	639	632	0	98.90	1.10	ME-SA	PanAsia-2 ^{ANT-10}
6	O/AFG/59/2010	AFG10-59	639	631	0	98.75	1.25	ME-SA	PanAsia-2 ^{ANT-10}
7	O/AFG/61/2010	AFG10-61	639	631	0	98.75	1.25	ME-SA	PanAsia-2 ^{ANT-10}
8	O/AFG/65/2010	AFG10-65	639	631	0	98.75	1.25	ME-SA	PanAsia-2 ^{ANT-10}
9	O/AFG/66/2010	AFG10-66	639	631	0	98.75	1.25	ME-SA	PanAsia-2 ^{ANT-10}
10	O/AFG/67/2010	AFG10-67	639	631	0	98.75	1.25	ME-SA	PanAsia-2 ^{ANT-10}
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	O/IRN/88/2009	IRN09-88	639	627	0	98.12	1.88	ME-SA	PanAsia-2 ^{ANT-10}
2	O/IRN/8/2005	IRN05-08	639	605	0	94.68	5.32	ME-SA	PanAsia-2
3	O/IRN/31/2009	IRN09-31	639	602	0	94.21	5.79	ME-SA	PanAsia-2 ^{FAR-09}
4	O/TUR/257/2008* (FMDI)	TUR08-AD	639	598	0	93.58	6.42	ME-SA	PanAsia-2 ^{TER-08}
5	O/IRN/18/2010	IRN10-18	639	596	0	93.27	6.73	ME-SA	PanAsia-2 ^{BAL-09}
6	O/TUR/264/2009* (FMDI)	TUR09-AK	639	593	0	92.80	7.20	ME-SA	PanAsia-2 ^{SAN-09}
7	O/PAK/16/2010	PAK10-16	639	592	0	92.64	7.36	ME-SA	PanAsia-2 ^{PUN-10}
8	O/UKG/35/2001 (AJ539141)	UKG01-35	639	585	0	91.55	8.45	ME-SA	PanAsia
9	O/KUW/3/97 (DQ164904)	KUW97-03	639	572	0	89.51	10.49	ME-SA	Ind-2001a
10	O/OMN/7/2001 (DQ164941)	OMN01-07	639	571	0	89.36	10.64	ME-SA	Ind-2001b

nt, nucleotides

*, not a WRLFMD reference number

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Serotype: O WRLFMD Ref No: AFG/61/2010 Batch No: WRLFMD/2010/00030 Sender Ref: 252 Location: Dalkhaky, Center, Samangan, Afghanistan Date collected: 14/05/2010 Date received by WRLFMD: 31/08/2010 Date received for sequencing: 25/10/2010 Species: Not Known Material used: OS Region sequenced: VP1 RT-PCR primers: O-1C244F/EUR-2B52R	Report date: 04/11/2010 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ME-SA Genotype/strain: PanAsia-2 ^{ANT-10} Sequence filename: AFG10-61.SEQ Date sequence last updated: 04/11/2010 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 2434 Min. no. of nt for comparison: 600 Total turn-around time: 65 days Sequencing time: 10 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/AFG/59/2010	AFG10-59	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{ANT-10}
2	O/AFG/89/2010	AFG10-89	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{ANT-10}
3	O/IRN/96/2010	IRN10-96	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{ANT-10}
4	O/AFG/32/2010	AFG10-32	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
5	O/AFG/34/2010	AFG10-34	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
6	O/IRN/139/2010	IRN10139	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
7	O/IRN/183/2010	IRN10183	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
8	O/IRN/62/2010	IRN10-62	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
9	O/IRN/97/2010	IRN10-97	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
10	O/PAK/36/2010	PAK10-36	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
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	O/IRN/88/2009	IRN09-88	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
2	O/IRN/8/2005	IRN05-08	639	608	0	95.15	4.85	ME-SA	PanAsia-2
3	O/IRN/31/2009	IRN09-31	639	606	0	94.84	5.16	ME-SA	PanAsia-2 ^{FAR-09}
4	O/TUR/257/2008* (FMDI)	TUR08-AD	639	604	0	94.52	5.48	ME-SA	PanAsia-2 ^{TER-08}
5	O/IRN/18/2010	IRN10-18	639	599	0	93.74	6.26	ME-SA	PanAsia-2 ^{BAL-09}
6	O/TUR/264/2009* (FMDI)	TUR09-AK	639	597	0	93.43	6.57	ME-SA	PanAsia-2 ^{SAN-09}
7	O/PAK/16/2010	PAK10-16	639	596	0	93.27	6.73	ME-SA	PanAsia-2 ^{PUN-10}
8	O/UKG/35/2001 (AJ539141)	UKG01-35	639	585	0	91.55	8.45	ME-SA	PanAsia
9	O/IRN/61/2001 (DQ164896)	IRN01-61	638	572	1	89.66	10.34	ME-SA	Im-2001
10	O/KUW/3/97 (DQ164904)	KUW97-03	639	572	0	89.51	10.49	ME-SA	Ind-2001a

nt, nucleotides

*, not a WRLFMD reference number

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Serotype: O WRLFMD Ref No: AFG/62/2010 Batch No: WRLFMD/2010/00030 Sender Ref: 253 Location: Dalkhaky, Center, Samangan, Afghanistan Date collected: 14/05/2010 Date received by WRLFMD: 31/08/2010 Date received for sequencing: 25/10/2010 Species: Not Known Material used: OS Region sequenced: VP1 RT-PCR primers: O-1C244F/EUR-2B52R	Report date: 04/11/2010 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ME-SA Genotype/strain: PanAsia-2 ^{ANT-10} Sequence filename: AFG10-62.SEQ Date sequence last updated: 04/11/2010 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 2434 Min. no. of nt for comparison: 600 Total turn-around time: 65 days Sequencing time: 10 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/AFG/60/2010	AFG10-60	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{ANT-10}
2	O/AFG/68/2010	AFG10-68	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{ANT-10}
3	O/AFG/51/2010	AFG10-51	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
4	O/IRN/139/2010	IRN10139	639	632	0	98.90	1.10	ME-SA	PanAsia-2 ^{ANT-10}
5	O/IRN/62/2010	IRN10-62	639	632	0	98.90	1.10	ME-SA	PanAsia-2 ^{ANT-10}
6	O/AFG/59/2010	AFG10-59	639	631	0	98.75	1.25	ME-SA	PanAsia-2 ^{ANT-10}
7	O/AFG/61/2010	AFG10-61	639	631	0	98.75	1.25	ME-SA	PanAsia-2 ^{ANT-10}
8	O/AFG/65/2010	AFG10-65	639	631	0	98.75	1.25	ME-SA	PanAsia-2 ^{ANT-10}
9	O/AFG/66/2010	AFG10-66	639	631	0	98.75	1.25	ME-SA	PanAsia-2 ^{ANT-10}
10	O/AFG/67/2010	AFG10-67	639	631	0	98.75	1.25	ME-SA	PanAsia-2 ^{ANT-10}
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	O/IRN/88/2009	IRN09-88	639	627	0	98.12	1.88	ME-SA	PanAsia-2 ^{ANT-10}
2	O/IRN/8/2005	IRN05-08	639	605	0	94.68	5.32	ME-SA	PanAsia-2
3	O/IRN/31/2009	IRN09-31	639	602	0	94.21	5.79	ME-SA	PanAsia-2 ^{FAR-09}
4	O/TUR/257/2008* (FMDI)	TUR08-AD	639	598	0	93.58	6.42	ME-SA	PanAsia-2 ^{TER-08}
5	O/IRN/18/2010	IRN10-18	639	596	0	93.27	6.73	ME-SA	PanAsia-2 ^{BAL-09}
6	O/TUR/264/2009* (FMDI)	TUR09-AK	639	593	0	92.80	7.20	ME-SA	PanAsia-2 ^{SAN-09}
7	O/PAK/16/2010	PAK10-16	639	592	0	92.64	7.36	ME-SA	PanAsia-2 ^{PUN-10}
8	O/UKG/35/2001 (AJ539141)	UKG01-35	639	585	0	91.55	8.45	ME-SA	PanAsia
9	O/KUW/3/97 (DQ164904)	KUW97-03	639	572	0	89.51	10.49	ME-SA	Ind-2001a
10	O/OMN/7/2001 (DQ164941)	OMN01-07	639	571	0	89.36	10.64	ME-SA	Ind-2001b

nt, nucleotides

*, not a WRLFMD reference number

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Serotype: O WRLFMD Ref No: AFG/64/2010 Batch No: WRLFMD/2010/00030 Sender Ref: 254 Location: Dalkhaky, Center, Samangan, Afghanistan Date collected: 14/05/2010 Date received by WRLFMD: 31/08/2010 Date received for sequencing: 25/10/2010 Species: Not Known Material used: OS Region sequenced: VP1 RT-PCR primers: O-1C272F/EUR-2B52R	Report date: 04/11/2010 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ME-SA Genotype/strain: PanAsia-2 ^{ANT-10} Sequence filename: AFG10-64.SEQ Date sequence last updated: 04/11/2010 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 2434 Min. no. of nt for comparison: 600 Total turn-around time: 65 days Sequencing time: 10 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/IRN/30/2010	IRN10-30	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
2	O/IRN/4/2010	IRN10-04	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
3	O/PAK/15/2010	PAK10-15	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
4	O/PAK/21/2010	PAK10-21	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
5	O/PAK/22/2010	PAK10-22	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
6	O/PAK/3/2010	PAK10-03	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
7	O/PAK/4/2010	PAK10-04	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
8	O/PAK/40/2010	PAK10-40	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
9	O/PAK/9/2010	PAK10-09	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
10	O/IRN/100/2010	IRN10100	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
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	O/IRN/88/2009	IRN09-88	639	634	0	99.22	0.78	ME-SA	PanAsia-2 ^{ANT-10}
2	O/IRN/8/2005	IRN05-08	639	605	0	94.68	5.32	ME-SA	PanAsia-2
3	O/IRN/31/2009	IRN09-31	639	603	0	94.37	5.63	ME-SA	PanAsia-2 ^{FAR-09}
4	O/TUR/257/2008* (FMDI)	TUR08-AD	639	603	0	94.37	5.63	ME-SA	PanAsia-2 ^{TER-08}
5	O/IRN/18/2010	IRN10-18	639	596	0	93.27	6.73	ME-SA	PanAsia-2 ^{BAL-09}
6	O/TUR/264/2009* (FMDI)	TUR09-AK	639	596	0	93.27	6.73	ME-SA	PanAsia-2 ^{SAN-09}
7	O/PAK/16/2010	PAK10-16	639	593	0	92.80	7.20	ME-SA	PanAsia-2 ^{PUN-10}
8	O/UKG/35/2001 (AJ539141)	UKG01-35	639	585	0	91.55	8.45	ME-SA	PanAsia
9	O/PAK/16/2003 (DQ165068)	PAK03-16	639	570	0	89.20	10.80	ME-SA	Pak-98
10	O/IRN/61/2001 (DQ164896)	IRN01-61	638	569	1	89.18	10.82	ME-SA	Iran-2001

nt, nucleotides

*, not a WRLFMD reference number

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Serotype: O WRLFMD Ref No: AFG/65/2010 Batch No: WRLFMD/2010/00030 Sender Ref: 245 Location: Karte Khrasan, Center, Samangan, Afghanistan Date collected: 15/05/2010 Date received by WRLFMD: 31/08/2010 Date received for sequencing: 25/10/2010 Species: Not Known Material used: OS Region sequenced: VP1 RT-PCR primers: O-1C244F/EUR-2B52R	Report date: 04/11/2010 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ME-SA Genotype/strain: PanAsia-2 ^{ANT-10} Sequence filename: AFG10-65.SEQ Date sequence last updated: 04/11/2010 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 2434 Min. no. of nt for comparison: 600 Total turn-around time: 65 days Sequencing time: 10 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/AFG/66/2010	AFG10-66	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{ANT-10}
2	O/AFG/67/2010	AFG10-67	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{ANT-10}
3	O/IRN/62/2010	IRN10-62	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
4	O/AFG/59/2010	AFG10-59	639	637	0	99.69	0.31	ME-SA	PanAsia-2 ^{ANT-10}
5	O/AFG/61/2010	AFG10-61	639	637	0	99.69	0.31	ME-SA	PanAsia-2 ^{ANT-10}
6	O/AFG/89/2010	AFG10-89	639	637	0	99.69	0.31	ME-SA	PanAsia-2 ^{ANT-10}
7	O/IRN/106/2010	IRN10106	639	637	0	99.69	0.31	ME-SA	PanAsia-2 ^{ANT-10}
8	O/IRN/120/2010	IRN10120	639	637	0	99.69	0.31	ME-SA	PanAsia-2 ^{ANT-10}
9	O/IRN/126/2010	IRN10126	639	637	0	99.69	0.31	ME-SA	PanAsia-2 ^{ANT-10}
10	O/IRN/146/2010	IRN10146	639	637	0	99.69	0.31	ME-SA	PanAsia-2 ^{ANT-10}
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	O/IRN/88/2009	IRN09-88	639	633	0	99.06	0.94	ME-SA	PanAsia-2 ^{ANT-10}
2	O/IRN/8/2005	IRN05-08	639	606	0	94.84	5.16	ME-SA	PanAsia-2
3	O/IRN/31/2009	IRN09-31	639	604	0	94.52	5.48	ME-SA	PanAsia-2 ^{FAR-09}
4	O/TUR/257/2008* (FMDI)	TUR08-AD	639	602	0	94.21	5.79	ME-SA	PanAsia-2 ^{TER-08}
5	O/IRN/18/2010	IRN10-18	639	597	0	93.43	6.57	ME-SA	PanAsia-2 ^{BAL-09}
6	O/PAK/16/2010	PAK10-16	639	596	0	93.27	6.73	ME-SA	PanAsia-2 ^{PUN-10}
7	O/TUR/264/2009* (FMDI)	TUR09-AK	639	595	0	93.11	6.89	ME-SA	PanAsia-2 ^{SAN-09}
8	O/UKG/35/2001 (AJ539141)	UKG01-35	639	583	0	91.24	8.76	ME-SA	PanAsia
9	O/IRN/61/2001 (DQ164896)	IRN01-61	638	570	1	89.34	10.66	ME-SA	Im-2001
10	O/KUW/3/97 (DQ164904)	KUW97-03	639	570	0	89.20	10.80	ME-SA	Ind-2001a

nt, nucleotides

*, not a WRLFMD reference number

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Serotype: O WRLFMD Ref No: AFG/66/2010 Batch No: WRLFMD/2010/00030 Sender Ref: 246 Location: Bagh, Center, Samangan, Afghanistan Date collected: 15/05/2010 Date received by WRLFMD: 31/08/2010 Date received for sequencing: 25/10/2010 Species: Not Known Material used: OS Region sequenced: VP1 RT-PCR primers: O-1C244F/EUR-2B52R	Report date: 04/11/2010 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ME-SA Genotype/strain: PanAsia-2 ^{ANT-10} Sequence filename: AFG10-66.SEQ Date sequence last updated: 04/11/2010 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 2434 Min. no. of nt for comparison: 600 Total turn-around time: 65 days Sequencing time: 10 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/AFG/65/2010	AFG10-65	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{ANT-10}
2	O/AFG/67/2010	AFG10-67	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{ANT-10}
3	O/IRN/62/2010	IRN10-62	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
4	O/AFG/59/2010	AFG10-59	639	637	0	99.69	0.31	ME-SA	PanAsia-2 ^{ANT-10}
5	O/AFG/61/2010	AFG10-61	639	637	0	99.69	0.31	ME-SA	PanAsia-2 ^{ANT-10}
6	O/AFG/89/2010	AFG10-89	639	637	0	99.69	0.31	ME-SA	PanAsia-2 ^{ANT-10}
7	O/IRN/106/2010	IRN10106	639	637	0	99.69	0.31	ME-SA	PanAsia-2 ^{ANT-10}
8	O/IRN/120/2010	IRN10120	639	637	0	99.69	0.31	ME-SA	PanAsia-2 ^{ANT-10}
9	O/IRN/126/2010	IRN10126	639	637	0	99.69	0.31	ME-SA	PanAsia-2 ^{ANT-10}
10	O/IRN/146/2010	IRN10146	639	637	0	99.69	0.31	ME-SA	PanAsia-2 ^{ANT-10}
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	O/IRN/88/2009	IRN09-88	639	633	0	99.06	0.94	ME-SA	PanAsia-2 ^{ANT-10}
2	O/IRN/8/2005	IRN05-08	639	606	0	94.84	5.16	ME-SA	PanAsia-2
3	O/IRN/31/2009	IRN09-31	639	604	0	94.52	5.48	ME-SA	PanAsia-2 ^{FAR-09}
4	O/TUR/257/2008* (FMDI)	TUR08-AD	639	602	0	94.21	5.79	ME-SA	PanAsia-2 ^{TER-08}
5	O/IRN/18/2010	IRN10-18	639	597	0	93.43	6.57	ME-SA	PanAsia-2 ^{BAL-09}
6	O/PAK/16/2010	PAK10-16	639	596	0	93.27	6.73	ME-SA	PanAsia-2 ^{PUN-10}
7	O/TUR/264/2009* (FMDI)	TUR09-AK	639	595	0	93.11	6.89	ME-SA	PanAsia-2 ^{SAN-09}
8	O/UKG/35/2001 (AJ539141)	UKG01-35	639	583	0	91.24	8.76	ME-SA	PanAsia
9	O/IRN/61/2001 (DQ164896)	IRN01-61	638	570	1	89.34	10.66	ME-SA	Im-2001
10	O/KUW/3/97 (DQ164904)	KUW97-03	639	570	0	89.20	10.80	ME-SA	Ind-2001a

nt, nucleotides

*, not a WRLFMD reference number

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Serotype: O WRLFMD Ref No: AFG/67/2010 Batch No: WRLFMD/2010/00030 Sender Ref: 256 Location: Araghly, Center, Samangan, Afghanistan Date collected: 15/05/2010 Date received by WRLFMD: 31/08/2010 Date received for sequencing: 25/10/2010 Species: Not Known Material used: OS Region sequenced: VP1 RT-PCR primers: O-1C244F/EUR-2B52R	Report date: 04/11/2010 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ME-SA Genotype/strain: PanAsia-2 ^{ANT-10} Sequence filename: AFG10-67.SEQ Date sequence last updated: 04/11/2010 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 2434 Min. no. of nt for comparison: 600 Total turn-around time: 65 days Sequencing time: 10 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/AFG/65/2010	AFG10-65	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{ANT-10}
2	O/AFG/66/2010	AFG10-66	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{ANT-10}
3	O/IRN/62/2010	IRN10-62	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
4	O/AFG/59/2010	AFG10-59	639	637	0	99.69	0.31	ME-SA	PanAsia-2 ^{ANT-10}
5	O/AFG/61/2010	AFG10-61	639	637	0	99.69	0.31	ME-SA	PanAsia-2 ^{ANT-10}
6	O/AFG/89/2010	AFG10-89	639	637	0	99.69	0.31	ME-SA	PanAsia-2 ^{ANT-10}
7	O/IRN/106/2010	IRN10106	639	637	0	99.69	0.31	ME-SA	PanAsia-2 ^{ANT-10}
8	O/IRN/120/2010	IRN10120	639	637	0	99.69	0.31	ME-SA	PanAsia-2 ^{ANT-10}
9	O/IRN/126/2010	IRN10126	639	637	0	99.69	0.31	ME-SA	PanAsia-2 ^{ANT-10}
10	O/IRN/146/2010	IRN10146	639	637	0	99.69	0.31	ME-SA	PanAsia-2 ^{ANT-10}
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	O/IRN/88/2009	IRN09-88	639	633	0	99.06	0.94	ME-SA	PanAsia-2 ^{ANT-10}
2	O/IRN/8/2005	IRN05-08	639	606	0	94.84	5.16	ME-SA	PanAsia-2
3	O/IRN/31/2009	IRN09-31	639	604	0	94.52	5.48	ME-SA	PanAsia-2 ^{FAR-09}
4	O/TUR/257/2008* (FMDI)	TUR08-AD	639	602	0	94.21	5.79	ME-SA	PanAsia-2 ^{TER-08}
5	O/IRN/18/2010	IRN10-18	639	597	0	93.43	6.57	ME-SA	PanAsia-2 ^{BAL-09}
6	O/PAK/16/2010	PAK10-16	639	596	0	93.27	6.73	ME-SA	PanAsia-2 ^{PUN-10}
7	O/TUR/264/2009* (FMDI)	TUR09-AK	639	595	0	93.11	6.89	ME-SA	PanAsia-2 ^{SAN-09}
8	O/UKG/35/2001 (AJ539141)	UKG01-35	639	583	0	91.24	8.76	ME-SA	PanAsia
9	O/IRN/61/2001 (DQ164896)	IRN01-61	638	570	1	89.34	10.66	ME-SA	Im-2001
10	O/KUW/3/97 (DQ164904)	KUW97-03	639	570	0	89.20	10.80	ME-SA	Ind-2001a

nt, nucleotides

*, not a WRLFMD reference number

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Serotype: O WRLFMD Ref No: AFG/68/2010 Batch No: WRLFMD/2010/00030 Sender Ref: 257 Location: Araghly, Center, Samangan, Afghanistan Date collected: 15/05/2010 Date received by WRLFMD: 31/08/2010 Date received for sequencing: 25/10/2010 Species: Not Known Material used: OS Region sequenced: VP1 RT-PCR primers: O-1C272F/EUR-2B52R	Report date: 04/11/2010 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ME-SA Genotype/strain: PanAsia-2 ^{ANT-10} Sequence filename: AFG10-68.SEQ Date sequence last updated: 04/11/2010 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 2434 Min. no. of nt for comparison: 600 Total turn-around time: 65 days Sequencing time: 10 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/AFG/60/2010	AFG10-60	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{ANT-10}
2	O/AFG/62/2010	AFG10-62	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{ANT-10}
3	O/AFG/51/2010	AFG10-51	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
4	O/IRN/139/2010	IRN10139	639	632	0	98.90	1.10	ME-SA	PanAsia-2 ^{ANT-10}
5	O/IRN/62/2010	IRN10-62	639	632	0	98.90	1.10	ME-SA	PanAsia-2 ^{ANT-10}
6	O/AFG/59/2010	AFG10-59	639	631	0	98.75	1.25	ME-SA	PanAsia-2 ^{ANT-10}
7	O/AFG/61/2010	AFG10-61	639	631	0	98.75	1.25	ME-SA	PanAsia-2 ^{ANT-10}
8	O/AFG/65/2010	AFG10-65	639	631	0	98.75	1.25	ME-SA	PanAsia-2 ^{ANT-10}
9	O/AFG/66/2010	AFG10-66	639	631	0	98.75	1.25	ME-SA	PanAsia-2 ^{ANT-10}
10	O/AFG/67/2010	AFG10-67	639	631	0	98.75	1.25	ME-SA	PanAsia-2 ^{ANT-10}
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	O/IRN/88/2009	IRN09-88	639	627	0	98.12	1.88	ME-SA	PanAsia-2 ^{ANT-10}
2	O/IRN/8/2005	IRN05-08	639	605	0	94.68	5.32	ME-SA	PanAsia-2
3	O/IRN/31/2009	IRN09-31	639	602	0	94.21	5.79	ME-SA	PanAsia-2 ^{FAR-09}
4	O/TUR/257/2008* (FMDI)	TUR08-AD	639	598	0	93.58	6.42	ME-SA	PanAsia-2 ^{TER-08}
5	O/IRN/18/2010	IRN10-18	639	596	0	93.27	6.73	ME-SA	PanAsia-2 ^{BAL-09}
6	O/TUR/264/2009* (FMDI)	TUR09-AK	639	593	0	92.80	7.20	ME-SA	PanAsia-2 ^{SAN-09}
7	O/PAK/16/2010	PAK10-16	639	592	0	92.64	7.36	ME-SA	PanAsia-2 ^{PUN-10}
8	O/UKG/35/2001 (AJ539141)	UKG01-35	639	585	0	91.55	8.45	ME-SA	PanAsia
9	O/KUW/3/97 (DQ164904)	KUW97-03	639	572	0	89.51	10.49	ME-SA	Ind-2001a
10	O/OMN/7/2001 (DQ164941)	OMN01-07	639	571	0	89.36	10.64	ME-SA	Ind-2001b

nt, nucleotides

*, not a WRLFMD reference number

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Serotype: O WRLFMD Ref No: AFG/70/2010 Batch No: WRLFMD/2010/00030 Sender Ref: 259 Location: Araghly, Center, Samangan, Afghanistan Date collected: 15/05/2010 Date received by WRLFMD: 31/08/2010 Date received for sequencing: 25/10/2010 Species: Not Known Material used: OS Region sequenced: VP1 RT-PCR primers: O-1C272F/EUR-2B52R	Report date: 04/11/2010 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ME-SA Genotype/strain: PanAsia-2 ^{ANT-10} Sequence filename: AFG10-70.SEQ Date sequence last updated: 04/11/2010 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 2434 Min. no. of nt for comparison: 600 Total turn-around time: 65 days Sequencing time: 10 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/AFG/91/2010	AFG10-91	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{ANT-10}
2	O/IRN/100/2010	IRN10100	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
3	O/IRN/101/2010	IRN10101	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
4	O/IRN/142/2010	IRN10142	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
5	O/IRN/20/2010	IRN10-20	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
6	O/IRN/33/2010	IRN10-33	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
7	O/IRN/34/2010	IRN10-34	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
8	O/IRN/37/2010	IRN10-37	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
9	O/IRN/38/2010	IRN10-38	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
10	O/IRN/39/2010	IRN10-39	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
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	O/IRN/88/2009	IRN09-88	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
2	O/IRN/8/2005	IRN05-08	639	606	0	94.84	5.16	ME-SA	PanAsia-2
3	O/IRN/31/2009	IRN09-31	639	602	0	94.21	5.79	ME-SA	PanAsia-2 ^{FAR-09}
4	O/TUR/257/2008* (FMDI)	TUR08-AD	639	602	0	94.21	5.79	ME-SA	PanAsia-2 ^{TER-08}
5	O/TUR/264/2009* (FMDI)	TUR09-AK	639	597	0	93.43	6.57	ME-SA	PanAsia-2 ^{SAN-09}
6	O/IRN/18/2010	IRN10-18	639	595	0	93.11	6.89	ME-SA	PanAsia-2 ^{BAL-09}
7	O/PAK/16/2010	PAK10-16	639	592	0	92.64	7.36	ME-SA	PanAsia-2 ^{PUN-10}
8	O/UKG/35/2001 (AJ539141)	UKG01-35	639	585	0	91.55	8.45	ME-SA	PanAsia
9	O/KUW/3/97 (DQ164904)	KUW97-03	639	569	0	89.05	10.95	ME-SA	Ind-2001a
10	O/OMN/7/2001 (DQ164941)	OMN01-07	639	569	0	89.05	10.95	ME-SA	Ind-2001b

nt, nucleotides

*, not a WRLFMD reference number

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Serotype: O WRLFMD Ref No: AFG/75/2010 Batch No: WRLFMD/2010/00030 Sender Ref: 260 Location: Chatam, Center, Badakhsha, Afghanistan Date collected: 15/06/2010 Date received by WRLFMD: 31/08/2010 Date received for sequencing: 25/10/2010 Species: Not Known Material used: OS Region sequenced: VP1 RT-PCR primers: O-1C272F/EUR-2B52R	Report date: 04/11/2010 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ME-SA Genotype/strain: Unnamed Sequence filename: AFG10-75.SEQ Date sequence last updated: 04/11/2010 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 2434 Min. no. of nt for comparison: 600 Total turn-around time: 65 days Sequencing time: 10 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/AFG/76/2010	AFG10-76	639	639	0	100.00	0.00	ME-SA	Unnamed
2	O/AFG/96/2010	AFG10-96	639	639	0	100.00	0.00	ME-SA	Unnamed
3	O/BUL/1/91 (EU553837)	BUL91-01	639	618	0	96.71	3.29	ME-SA	Unnamed
4	O/IND/136/87* (PD-FMD)	IND87-AA	639	616	0	96.40	3.60	ME-SA	Unnamed
5	O/GRE/21/94	GRE94-21	639	615	0	96.24	3.76	ME-SA	Unnamed
6	O/GRE/23/94 (DQ164873)	GRE94-23	639	615	0	96.24	3.76	ME-SA	Unnamed
7	O/GRE/25/94	GRE94-25	638	614	1	96.24	3.76	ME-SA	Unnamed
8	O/SAU/29/93 (EU553847)	SAU93-29	639	615	0	96.24	3.76	ME-SA	Unnamed
9	O/EGY/3/93 (EU553840)	EGY93-03	639	614	0	96.09	3.91	ME-SA	Unnamed
10	O/BUL/1/93 (EU553838)	BUL93-01	639	613	0	95.93	4.07	ME-SA	Unnamed
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	O/IND/53/79 (AF292107)	IND79A53	639	577	0	90.30	9.70	ME-SA	unnamed
2	O/IRN/61/2001 (DQ164896)	IRN01-61	638	572	1	89.66	10.34	ME-SA	Irn-2001
3	O/UKG/35/2001 (AJ539141)	UKG01-35	639	571	0	89.36	10.64	ME-SA	PanAsia
4	O1/Manisa/TUR/69 (AY593823)	TUR69--G	639	571	0	89.36	10.64	ME-SA	unnamed
5	O/IND/R2/75* (AF204276)	IND75--A	639	569	0	89.05	10.95	ME-SA	unnamed
6	O/OMN/7/2001 (DQ164941)	OMN01-07	639	569	0	89.05	10.95	ME-SA	Ind-2001b
7	O/PAK/16/2003 (DQ165068)	PAK03-16	639	566	0	88.58	11.42	ME-SA	Pak-98
8	O/IRN/8/2005	IRN05-08	639	565	0	88.42	11.58	ME-SA	PanAsia-2
9	O/KUW/3/97 (DQ164904)	KUW97-03	639	565	0	88.42	11.58	ME-SA	Ind-2001a
10	O/UAE/4/2008	UAE08-04	636	562	0	88.36	11.64	ME-SA	Ind-2001c

nt, nucleotides

*, not a WRLFMD reference number

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Serotype: O WRLFMD Ref No: AFG/76/2010 Batch No: WRLFMD/2010/00030 Sender Ref: 261 Location: Chatam, Center, Badakhsha, Afghanistan Date collected: 15/06/2010 Date received by WRLFMD: 31/08/2010 Date received for sequencing: 25/10/2010 Species: Not Known Material used: OS Region sequenced: VP1 RT-PCR primers: O-1C272F/EUR-2B52R	Report date: 04/11/2010 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ME-SA Genotype/strain: Unnamed Sequence filename: AFG10-76.SEQ Date sequence last updated: 04/11/2010 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 2434 Min. no. of nt for comparison: 600 Total turn-around time: 65 days Sequencing time: 10 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/AFG/75/2010	AFG10-75	639	639	0	100.00	0.00	ME-SA	Unnamed
2	O/AFG/96/2010	AFG10-96	639	639	0	100.00	0.00	ME-SA	Unnamed
3	O/BUL/1/91 (EU553837)	BUL91-01	639	618	0	96.71	3.29	ME-SA	Unnamed
4	O/IND/136/87* (PD-FMD)	IND87-AA	639	616	0	96.40	3.60	ME-SA	Unnamed
5	O/GRE/21/94	GRE94-21	639	615	0	96.24	3.76	ME-SA	Unnamed
6	O/GRE/23/94 (DQ164873)	GRE94-23	639	615	0	96.24	3.76	ME-SA	Unnamed
7	O/GRE/25/94	GRE94-25	638	614	1	96.24	3.76	ME-SA	Unnamed
8	O/SAU/29/93 (EU553847)	SAU93-29	639	615	0	96.24	3.76	ME-SA	Unnamed
9	O/EGY/3/93 (EU553840)	EGY93-03	639	614	0	96.09	3.91	ME-SA	Unnamed
10	O/BUL/1/93 (EU553838)	BUL93-01	639	613	0	95.93	4.07	ME-SA	Unnamed
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	O/IND/53/79 (AF292107)	IND79A53	639	577	0	90.30	9.70	ME-SA	unnamed
2	O/IRN/61/2001 (DQ164896)	IRN01-61	638	572	1	89.66	10.34	ME-SA	Irn-2001
3	O/UKG/35/2001 (AJ539141)	UKG01-35	639	571	0	89.36	10.64	ME-SA	PanAsia
4	O1/Manisa/TUR/69 (AY593823)	TUR69--G	639	571	0	89.36	10.64	ME-SA	unnamed
5	O/IND/R2/75* (AF204276)	IND75--A	639	569	0	89.05	10.95	ME-SA	unnamed
6	O/OMN/7/2001 (DQ164941)	OMN01-07	639	569	0	89.05	10.95	ME-SA	Ind-2001b
7	O/PAK/16/2003 (DQ165068)	PAK03-16	639	566	0	88.58	11.42	ME-SA	Pak-98
8	O/IRN/8/2005	IRN05-08	639	565	0	88.42	11.58	ME-SA	PanAsia-2
9	O/KUW/3/97 (DQ164904)	KUW97-03	639	565	0	88.42	11.58	ME-SA	Ind-2001a
10	O/UAE/4/2008	UAE08-04	636	562	0	88.36	11.64	ME-SA	Ind-2001c

nt, nucleotides

*, not a WRLFMD reference number

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Serotype: O	Report date: 04/11/2010
WRLFMD Ref No: AFG/82/2010	Reported by: N.J. Knowles
Batch No: WRLFMD/2010/00030	Checked by: D.P. King
Sender Ref: 267	
Location: Geda, Center, Badakhsha, Afghanistan	Topotype: ME-SA
Date collected: 15/06/2010	Genotype/strain: PanAsia-2 ^{ANT-10}
Date received by WRLFMD: 31/08/2010	Sequence filename: AFG10-82.SEQ
Date received for sequencing: 25/10/2010	Date sequence last updated: 04/11/2010
Species: Not Known	No. of Nt determined: 639
Material used: OS	No. of ambiguities: 0
Region sequenced: VP1	Gene length: 639
RT-PCR primers: O-1C244F/EUR-2B52R	Total no. of comparisons: 2434
	Min. no. of nt for comparison: 600
	Total turn-around time: 65 days
	Sequencing time: 10 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/IRN/62/2010	IRN10-62	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
2	O/AFG/39/2010	AFG10-39	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
3	O/AFG/59/2010	AFG10-59	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
4	O/AFG/61/2010	AFG10-61	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
5	O/AFG/65/2010	AFG10-65	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
6	O/AFG/66/2010	AFG10-66	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
7	O/AFG/67/2010	AFG10-67	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
8	O/AFG/89/2010	AFG10-89	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
9	O/IRN/106/2010	IRN10106	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
10	O/IRN/120/2010	IRN10120	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
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	O/IRN/88/2009	IRN09-88	639	631	0	98.75	1.25	ME-SA	PanAsia-2 ^{ANT-10}
2	O/IRN/8/2005	IRN05-08	639	606	0	94.84	5.16	ME-SA	PanAsia-2
3	O/IRN/31/2009	IRN09-31	639	603	0	94.37	5.63	ME-SA	PanAsia-2 ^{FAR-09}
4	O/TUR/257/2008* (FMDI)	TUR08-AD	639	602	0	94.21	5.79	ME-SA	PanAsia-2 ^{TER-08}
5	O/IRN/18/2010	IRN10-18	639	599	0	93.74	6.26	ME-SA	PanAsia-2 ^{BAL-09}
6	O/TUR/264/2009* (FMDI)	TUR09-AK	639	595	0	93.11	6.89	ME-SA	PanAsia-2 ^{SAN-09}
7	O/PAK/16/2010	PAK10-16	639	594	0	92.96	7.04	ME-SA	PanAsia-2 ^{PUN-10}
8	O/UKG/35/2001 (AJ539141)	UKG01-35	639	586	0	91.71	8.29	ME-SA	PanAsia
9	O/IRN/61/2001 (DQ164896)	IRN01-61	638	572	1	89.66	10.34	ME-SA	Irn-2001
10	O/KUW/3/97 (DQ164904)	KUW97-03	639	572	0	89.51	10.49	ME-SA	Ind-2001a

nt, nucleotides

*, not a WRLFMD reference number

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Serotype: O WRLFMD Ref No: AFG/83/2010 Batch No: WRLFMD/2010/00030 Sender Ref: 268 Location: Abcity, Center, Badakhsha, Afghanistan Date collected: 15/06/2010 Date received by WRLFMD: 31/08/2010 Date received for sequencing: 25/10/2010 Species: Not Known Material used: OS Region sequenced: VP1 RT-PCR primers: O-1C244F/EUR-2B52R	Report date: 04/11/2010 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ME-SA Genotype/strain: PanAsia-2 ^{ANT-10} Sequence filename: AFG10-83.SEQ Date sequence last updated: 04/11/2010 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 2434 Min. no. of nt for comparison: 600 Total turn-around time: 65 days Sequencing time: 10 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/AFG/59/2010	AFG10-59	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
2	O/AFG/61/2010	AFG10-61	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
3	O/AFG/89/2010	AFG10-89	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
4	O/IRN/96/2010	IRN10-96	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
5	O/AFG/32/2010	AFG10-32	639	634	0	99.22	0.78	ME-SA	PanAsia-2 ^{ANT-10}
6	O/AFG/34/2010	AFG10-34	639	634	0	99.22	0.78	ME-SA	PanAsia-2 ^{ANT-10}
7	O/IRN/139/2010	IRN10139	639	634	0	99.22	0.78	ME-SA	PanAsia-2 ^{ANT-10}
8	O/IRN/183/2010	IRN10183	639	634	0	99.22	0.78	ME-SA	PanAsia-2 ^{ANT-10}
9	O/IRN/62/2010	IRN10-62	639	634	0	99.22	0.78	ME-SA	PanAsia-2 ^{ANT-10}
10	O/IRN/97/2010	IRN10-97	639	634	0	99.22	0.78	ME-SA	PanAsia-2 ^{ANT-10}
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	O/IRN/88/2009	IRN09-88	639	631	0	98.75	1.25	ME-SA	PanAsia-2 ^{ANT-10}
2	O/IRN/8/2005	IRN05-08	639	608	0	95.15	4.85	ME-SA	PanAsia-2
3	O/IRN/31/2009	IRN09-31	639	604	0	94.52	5.48	ME-SA	PanAsia-2 ^{FAR-09}
4	O/TUR/257/2008* (FMDI)	TUR08-AD	639	602	0	94.21	5.79	ME-SA	PanAsia-2 ^{TER-08}
5	O/IRN/18/2010	IRN10-18	639	599	0	93.74	6.26	ME-SA	PanAsia-2 ^{BAL-09}
6	O/PAK/16/2010	PAK10-16	639	598	0	93.58	6.42	ME-SA	PanAsia-2 ^{PUN-10}
7	O/TUR/264/2009* (FMDI)	TUR09-AK	639	597	0	93.43	6.57	ME-SA	PanAsia-2 ^{SAN-09}
8	O/UKG/35/2001 (AJ539141)	UKG01-35	639	583	0	91.24	8.76	ME-SA	PanAsia
9	O/IRN/61/2001 (DQ164896)	IRN01-61	638	572	1	89.66	10.34	ME-SA	Irn-2001
10	O/KUW/3/97 (DQ164904)	KUW97-03	639	572	0	89.51	10.49	ME-SA	Ind-2001a

nt, nucleotides

*, not a WRLFMD reference number

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Serotype: O WRLFMD Ref No: AFG/89/2010 Batch No: WRLFMD/2010/00030 Sender Ref: 197 Location: Hesa 2, Hesa 2, Kapisa, Afghanistan Date collected: 01/01/2010 Date received by WRLFMD: 31/08/2010 Date received for sequencing: 25/10/2010 Species: Not Known Material used: OS Region sequenced: VP1 RT-PCR primers: O-1C244F/EUR-2B52R	Report date: 04/11/2010 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ME-SA Genotype/strain: PanAsia-2 ^{ANT-10} Sequence filename: AFG10-89.SEQ Date sequence last updated: 04/11/2010 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 2434 Min. no. of nt for comparison: 600 Total turn-around time: 65 days Sequencing time: 10 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/AFG/59/2010	AFG10-59	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{ANT-10}
2	O/AFG/61/2010	AFG10-61	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{ANT-10}
3	O/IRN/96/2010	IRN10-96	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{ANT-10}
4	O/AFG/32/2010	AFG10-32	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
5	O/AFG/34/2010	AFG10-34	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
6	O/IRN/139/2010	IRN10139	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
7	O/IRN/183/2010	IRN10183	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
8	O/IRN/62/2010	IRN10-62	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
9	O/IRN/97/2010	IRN10-97	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
10	O/PAK/36/2010	PAK10-36	639	638	0	99.84	0.16	ME-SA	PanAsia-2 ^{ANT-10}
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	O/IRN/88/2009	IRN09-88	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
2	O/IRN/8/2005	IRN05-08	639	608	0	95.15	4.85	ME-SA	PanAsia-2
3	O/IRN/31/2009	IRN09-31	639	606	0	94.84	5.16	ME-SA	PanAsia-2 ^{FAR-09}
4	O/TUR/257/2008* (FMDI)	TUR08-AD	639	604	0	94.52	5.48	ME-SA	PanAsia-2 ^{TER-08}
5	O/IRN/18/2010	IRN10-18	639	599	0	93.74	6.26	ME-SA	PanAsia-2 ^{BAL-09}
6	O/TUR/264/2009* (FMDI)	TUR09-AK	639	597	0	93.43	6.57	ME-SA	PanAsia-2 ^{SAN-09}
7	O/PAK/16/2010	PAK10-16	639	596	0	93.27	6.73	ME-SA	PanAsia-2 ^{PUN-10}
8	O/UKG/35/2001 (AJ539141)	UKG01-35	639	585	0	91.55	8.45	ME-SA	PanAsia
9	O/IRN/61/2001 (DQ164896)	IRN01-61	638	572	1	89.66	10.34	ME-SA	Im-2001
10	O/KUW/3/97 (DQ164904)	KUW97-03	639	572	0	89.51	10.49	ME-SA	Ind-2001a

nt, nucleotides

*, not a WRLFMD reference number

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Serotype: O WRLFMD Ref No: AFG/91/2010 Batch No: WRLFMD/2010/00030 Sender Ref: 199 Location: Hesa 1, Hesa 1, Kapisa, Afghanistan Date collected: 01/01/2010 Date received by WRLFMD: 31/08/2010 Date received for sequencing: 25/10/2010 Species: Not Known Material used: OS Region sequenced: VP1 RT-PCR primers: O-1C244F/EUR-2B52R	Report date: 04/11/2010 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ME-SA Genotype/strain: PanAsia-2 ^{ANT-10} Sequence filename: AFG10-91.SEQ Date sequence last updated: 04/11/2010 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 2434 Min. no. of nt for comparison: 600 Total turn-around time: 65 days Sequencing time: 10 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/AFG/70/2010	AFG10-70	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{ANT-10}
2	O/IRN/100/2010	IRN10100	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
3	O/IRN/101/2010	IRN10101	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
4	O/IRN/142/2010	IRN10142	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
5	O/IRN/20/2010	IRN10-20	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
6	O/IRN/33/2010	IRN10-33	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
7	O/IRN/34/2010	IRN10-34	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
8	O/IRN/37/2010	IRN10-37	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
9	O/IRN/38/2010	IRN10-38	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
10	O/IRN/39/2010	IRN10-39	639	636	0	99.53	0.47	ME-SA	PanAsia-2 ^{ANT-10}
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	O/IRN/88/2009	IRN09-88	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
2	O/IRN/8/2005	IRN05-08	639	606	0	94.84	5.16	ME-SA	PanAsia-2
3	O/IRN/31/2009	IRN09-31	639	602	0	94.21	5.79	ME-SA	PanAsia-2 ^{FAR-09}
4	O/TUR/257/2008* (FMDI)	TUR08-AD	639	602	0	94.21	5.79	ME-SA	PanAsia-2 ^{TER-08}
5	O/TUR/264/2009* (FMDI)	TUR09-AK	639	597	0	93.43	6.57	ME-SA	PanAsia-2 ^{SAN-09}
6	O/IRN/18/2010	IRN10-18	639	595	0	93.11	6.89	ME-SA	PanAsia-2 ^{BAL-09}
7	O/PAK/16/2010	PAK10-16	639	592	0	92.64	7.36	ME-SA	PanAsia-2 ^{PUN-10}
8	O/UKG/35/2001 (AJ539141)	UKG01-35	639	585	0	91.55	8.45	ME-SA	PanAsia
9	O/KUW/3/97 (DQ164904)	KUW97-03	639	569	0	89.05	10.95	ME-SA	Ind-2001a
10	O/OMN/7/2001 (DQ164941)	OMN01-07	639	569	0	89.05	10.95	ME-SA	Ind-2001b

nt, nucleotides

*, not a WRLFMD reference number

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Serotype: O WRLFMD Ref No: AFG/93/2010 Batch No: WRLFMD/2010/00030 Sender Ref: 201 Location: Hesa 1, Hesa 1, Kapisa, Afghanistan Date collected: 01/01/2010 Date received by WRLFMD: 31/08/2010 Date received for sequencing: 25/10/2010 Species: Not Known Material used: OS Region sequenced: VP1 RT-PCR primers: O-1C272F/EUR-2B52R	Report date: 04/11/2010 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ME-SA Genotype/strain: PanAsia-2 ^{BAL-09} Sequence filename: AFG10-93.SEQ Date sequence last updated: 04/11/2010 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 2434 Min. no. of nt for comparison: 600 Total turn-around time: 65 days Sequencing time: 10 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/AFG/109/2010	AFG10109	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
2	O/AFG/19/2010	AFG10-19	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
3	O/AFG/21/2010	AFG10-21	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
4	O/AFG/22/2009	AFG09-22	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
5	O/AFG/22/2010	AFG10-22	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
6	O/AFG/23/2010	AFG10-23	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
7	O/AFG/24/2009	AFG09-24	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
8	O/AFG/27/2009	AFG09-27	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
9	O/AFG/28/2009	AFG09-28	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
10	O/AFG/29/2009	AFG09-29	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
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	O/IRN/18/2010	IRN10-18	639	637	0	99.69	0.31	ME-SA	PanAsia-2 ^{BAL-09}
2	O/IRN/31/2009	IRN09-31	639	611	0	95.62	4.38	ME-SA	PanAsia-2 ^{FAR-09}
3	O/IRN/8/2005	IRN05-08	639	607	0	94.99	5.01	ME-SA	PanAsia-2
4	O/TUR/257/2008* (FMDI)	TUR08-AD	639	606	0	94.84	5.16	ME-SA	PanAsia-2 ^{TER-08}
5	O/PAK/16/2010	PAK10-16	639	601	0	94.05	5.95	ME-SA	PanAsia-2 ^{PUN-10}
6	O/TUR/264/2009* (FMDI)	TUR09-AK	639	601	0	94.05	5.95	ME-SA	PanAsia-2 ^{SAN-09}
7	O/IRN/88/2009	IRN09-88	639	597	0	93.43	6.57	ME-SA	PanAsia-2 ^{ANT-10}
8	O/UKG/35/2001 (AJ539141)	UKG01-35	639	591	0	92.49	7.51	ME-SA	PanAsia
9	O/KUW/3/97 (DQ164904)	KUW97-03	639	577	0	90.30	9.70	ME-SA	Ind-2001a
10	O/OMN/7/2001 (DQ164941)	OMN01-07	639	574	0	89.83	10.17	ME-SA	Ind-2001b

nt, nucleotides

*, not a WRLFMD reference number

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Serotype: O	Report date: 04/11/2010
WRLFMD Ref No: AFG/96/2010	Reported by: N.J. Knowles
Batch No: WRLFMD/2010/00030	Checked by: D.P. King
Sender Ref: 204	
Location: Center, Center, Kapisa, Afghanistan	Topotype: ME-SA
Date collected: 01/01/2010	Genotype/strain: Unnamed
Date received by WRLFMD: 31/08/2010	Sequence filename: AFG10-96.SEQ
Date received for sequencing: 25/10/2010	Date sequence last updated: 04/11/2010
Species: Not Known	No. of Nt determined: 639
Material used: OS	No. of ambiguities: 0
Region sequenced: VP1	Gene length: 639
RT-PCR primers: O-1C272F/EUR-2B52R	Total no. of comparisons: 2434
	Min. no. of nt for comparison: 600
	Total turn-around time: 65 days
	Sequencing time: 10 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/AFG/75/2010	AFG10-75	639	639	0	100.00	0.00	ME-SA	Unnamed
2	O/AFG/76/2010	AFG10-76	639	639	0	100.00	0.00	ME-SA	Unnamed
3	O/BUL/1/91 (EU553837)	BUL91-01	639	618	0	96.71	3.29	ME-SA	Unnamed
4	O/IND/136/87* (PD-FMD)	IND87-AA	639	616	0	96.40	3.60	ME-SA	Unnamed
5	O/GRE/21/94	GRE94-21	639	615	0	96.24	3.76	ME-SA	Unnamed
6	O/GRE/23/94 (DQ164873)	GRE94-23	639	615	0	96.24	3.76	ME-SA	Unnamed
7	O/GRE/25/94	GRE94-25	638	614	1	96.24	3.76	ME-SA	Unnamed
8	O/SAU/29/93 (EU553847)	SAU93-29	639	615	0	96.24	3.76	ME-SA	Unnamed
9	O/EGY/3/93 (EU553840)	EGY93-03	639	614	0	96.09	3.91	ME-SA	Unnamed
10	O/BUL/1/93 (EU553838)	BUL93-01	639	613	0	95.93	4.07	ME-SA	Unnamed
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	O/IND/53/79 (AF292107)	IND79A53	639	577	0	90.30	9.70	ME-SA	unnamed
2	O/IRN/61/2001 (DQ164896)	IRN01-61	638	572	1	89.66	10.34	ME-SA	Irn-2001
3	O/UKG/35/2001 (AJ539141)	UKG01-35	639	571	0	89.36	10.64	ME-SA	PanAsia
4	O1/Manisa/TUR/69 (AY593823)	TUR69--G	639	571	0	89.36	10.64	ME-SA	unnamed
5	O/IND/R2/75* (AF204276)	IND75--A	639	569	0	89.05	10.95	ME-SA	unnamed
6	O/OMN/7/2001 (DQ164941)	OMN01-07	639	569	0	89.05	10.95	ME-SA	Ind-2001b
7	O/PAK/16/2003 (DQ165068)	PAK03-16	639	566	0	88.58	11.42	ME-SA	Pak-98
8	O/IRN/8/2005	IRN05-08	639	565	0	88.42	11.58	ME-SA	PanAsia-2
9	O/KUW/3/97 (DQ164904)	KUW97-03	639	565	0	88.42	11.58	ME-SA	Ind-2001a
10	O/UAE/4/2008	UAE08-04	636	562	0	88.36	11.64	ME-SA	Ind-2001c

nt, nucleotides

*, not a WRLFMD reference number

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Serotype: O WRLFMD Ref No: AFG/97/2010 Batch No: WRLFMD/2010/00030 Sender Ref: 205 Location: Center, Laghman, Afghanistan Date collected: 01/01/2010 Date received by WRLFMD: 31/08/2010 Date received for sequencing: 25/10/2010 Species: Not Known Material used: OS Region sequenced: VP1 RT-PCR primers: O-1C244F/EUR-2B52R	Report date: 04/11/2010 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ME-SA Genotype/strain: PanAsia-2 ^{BAL-09} Sequence filename: AFG10-97.SEQ Date sequence last updated: 04/11/2010 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 2434 Min. no. of nt for comparison: 600 Total turn-around time: 65 days Sequencing time: 10 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/AFG/109/2010	AFG10109	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
2	O/AFG/19/2010	AFG10-19	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
3	O/AFG/21/2010	AFG10-21	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
4	O/AFG/22/2009	AFG09-22	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
5	O/AFG/22/2010	AFG10-22	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
6	O/AFG/23/2010	AFG10-23	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
7	O/AFG/24/2009	AFG09-24	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
8	O/AFG/27/2009	AFG09-27	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
9	O/AFG/28/2009	AFG09-28	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
10	O/AFG/29/2009	AFG09-29	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
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	O/IRN/18/2010	IRN10-18	639	637	0	99.69	0.31	ME-SA	PanAsia-2 ^{BAL-09}
2	O/IRN/31/2009	IRN09-31	639	611	0	95.62	4.38	ME-SA	PanAsia-2 ^{FAR-09}
3	O/IRN/8/2005	IRN05-08	639	607	0	94.99	5.01	ME-SA	PanAsia-2
4	O/TUR/257/2008* (FMDI)	TUR08-AD	639	606	0	94.84	5.16	ME-SA	PanAsia-2 ^{TER-08}
5	O/PAK/16/2010	PAK10-16	639	601	0	94.05	5.95	ME-SA	PanAsia-2 ^{PUN-10}
6	O/TUR/264/2009* (FMDI)	TUR09-AK	639	601	0	94.05	5.95	ME-SA	PanAsia-2 ^{SAN-09}
7	O/IRN/88/2009	IRN09-88	639	597	0	93.43	6.57	ME-SA	PanAsia-2 ^{ANT-10}
8	O/UKG/35/2001 (AJ539141)	UKG01-35	639	591	0	92.49	7.51	ME-SA	PanAsia
9	O/KUW/3/97 (DQ164904)	KUW97-03	639	577	0	90.30	9.70	ME-SA	Ind-2001a
10	O/OMN/7/2001 (DQ164941)	OMN01-07	639	574	0	89.83	10.17	ME-SA	Ind-2001b

nt, nucleotides

*, not a WRLFMD reference number

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Serotype: O WRLFMD Ref No: AFG/104/2010 Batch No: WRLFMD/2010/00030 Sender Ref: 225 Location: Sarbalq, Nahea 9, Faryab, Afghanistan Date collected: 01/01/2010 Date received by WRLFMD: 31/08/2010 Date received for sequencing: 25/10/2010 Species: Not Known Material used: OS Region sequenced: VP1 RT-PCR primers: O-1C244F/EUR-2B52R	Report date: 04/11/2010 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ME-SA Genotype/strain: PanAsia-2 ^{ANT-10} Sequence filename: AFG10104.SEQ Date sequence last updated: 04/11/2010 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 2434 Min. no. of nt for comparison: 600 Total turn-around time: 65 days Sequencing time: 10 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/IRN/30/2010	IRN10-30	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
2	O/IRN/4/2010	IRN10-04	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
3	O/PAK/15/2010	PAK10-15	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
4	O/PAK/21/2010	PAK10-21	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
5	O/PAK/22/2010	PAK10-22	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
6	O/PAK/3/2010	PAK10-03	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
7	O/PAK/4/2010	PAK10-04	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
8	O/PAK/40/2010	PAK10-40	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
9	O/PAK/9/2010	PAK10-09	639	635	0	99.37	0.63	ME-SA	PanAsia-2 ^{ANT-10}
10	O/AFG/64/2010	AFG10-64	639	634	0	99.22	0.78	ME-SA	PanAsia-2 ^{ANT-10}
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	O/IRN/88/2009	IRN09-88	639	633	0	99.06	0.94	ME-SA	PanAsia-2 ^{ANT-10}
2	O/IRN/31/2009	IRN09-31	639	606	0	94.84	5.16	ME-SA	PanAsia-2 ^{FAR-09}
3	O/IRN/8/2005	IRN05-08	639	606	0	94.84	5.16	ME-SA	PanAsia-2
4	O/TUR/257/2008* (FMDI)	TUR08-AD	639	604	0	94.52	5.48	ME-SA	PanAsia-2 ^{TER-08}
5	O/IRN/18/2010	IRN10-18	639	597	0	93.43	6.57	ME-SA	PanAsia-2 ^{BAL-09}
6	O/TUR/264/2009* (FMDI)	TUR09-AK	639	597	0	93.43	6.57	ME-SA	PanAsia-2 ^{SAN-09}
7	O/PAK/16/2010	PAK10-16	639	594	0	92.96	7.04	ME-SA	PanAsia-2 ^{PUN-10}
8	O/UKG/35/2001 (AJ539141)	UKG01-35	639	585	0	91.55	8.45	ME-SA	PanAsia
9	O/PAK/16/2003 (DQ165068)	PAK03-16	639	571	0	89.36	10.64	ME-SA	Pak-98
10	O/IRN/61/2001 (DQ164896)	IRN01-61	638	569	1	89.18	10.82	ME-SA	Irn-2001

nt, nucleotides

*, not a WRLFMD reference number

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Serotype: O WRLFMD Ref No: AFG/109/2010 Batch No: WRLFMD/2010/00030 Sender Ref: 243 Location: Ahkhtche, Center, Parwan, Afghanistan Date collected: 01/01/2010 Date received by WRLFMD: 31/08/2010 Date received for sequencing: 25/10/2010 Species: Not Known Material used: OS Region sequenced: VP1 RT-PCR primers: O-1C244F/EUR-2B52R	Report date: 04/11/2010 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ME-SA Genotype/strain: PanAsia-2 ^{BAL-09} Sequence filename: AFG10109.SEQ Date sequence last updated: 04/11/2010 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 2434 Min. no. of nt for comparison: 600 Total turn-around time: 65 days Sequencing time: 10 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/AFG/19/2010	AFG10-19	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
2	O/AFG/21/2010	AFG10-21	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
3	O/AFG/22/2009	AFG09-22	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
4	O/AFG/22/2010	AFG10-22	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
5	O/AFG/23/2010	AFG10-23	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
6	O/AFG/24/2009	AFG09-24	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
7	O/AFG/27/2009	AFG09-27	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
8	O/AFG/28/2009	AFG09-28	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
9	O/AFG/29/2009	AFG09-29	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
10	O/AFG/30/2009	AFG09-30	639	639	0	100.00	0.00	ME-SA	PanAsia-2 ^{BAL-09}
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	O/IRN/18/2010	IRN10-18	639	637	0	99.69	0.31	ME-SA	PanAsia-2 ^{BAL-09}
2	O/IRN/31/2009	IRN09-31	639	611	0	95.62	4.38	ME-SA	PanAsia-2 ^{FAR-09}
3	O/IRN/8/2005	IRN05-08	639	607	0	94.99	5.01	ME-SA	PanAsia-2
4	O/TUR/257/2008* (FMDI)	TUR08-AD	639	606	0	94.84	5.16	ME-SA	PanAsia-2 ^{TER-08}
5	O/PAK/16/2010	PAK10-16	639	601	0	94.05	5.95	ME-SA	PanAsia-2 ^{PUN-10}
6	O/TUR/264/2009* (FMDI)	TUR09-AK	639	601	0	94.05	5.95	ME-SA	PanAsia-2 ^{SAN-09}
7	O/IRN/88/2009	IRN09-88	639	597	0	93.43	6.57	ME-SA	PanAsia-2 ^{ANT-10}
8	O/UKG/35/2001 (AJ539141)	UKG01-35	639	591	0	92.49	7.51	ME-SA	PanAsia
9	O/KUW/3/97 (DQ164904)	KUW97-03	639	577	0	90.30	9.70	ME-SA	Ind-2001a
10	O/OMN/7/2001 (DQ164941)	OMN01-07	639	574	0	89.83	10.17	ME-SA	Ind-2001b

nt, nucleotides

*, not a WRLFMD reference number

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Report on FMDV O in Afghanistan in 2010

Batch: WRLFMD/2010/00030

Software: MEGA 4.0

No. of Taxa : 444

Data File : n:\evd\meg\db\fmvd\o\AFG2010b.meg

Data Title : Afghanistan 2010

Data Type : Nucleotide (Coding)

Analysis : Phylogeny reconstruction

Tree Inference : =====

->Method : Neighbor-Joining

->Phylogeny Test and options : Bootstrap (1000 replicates; seed=24054)

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

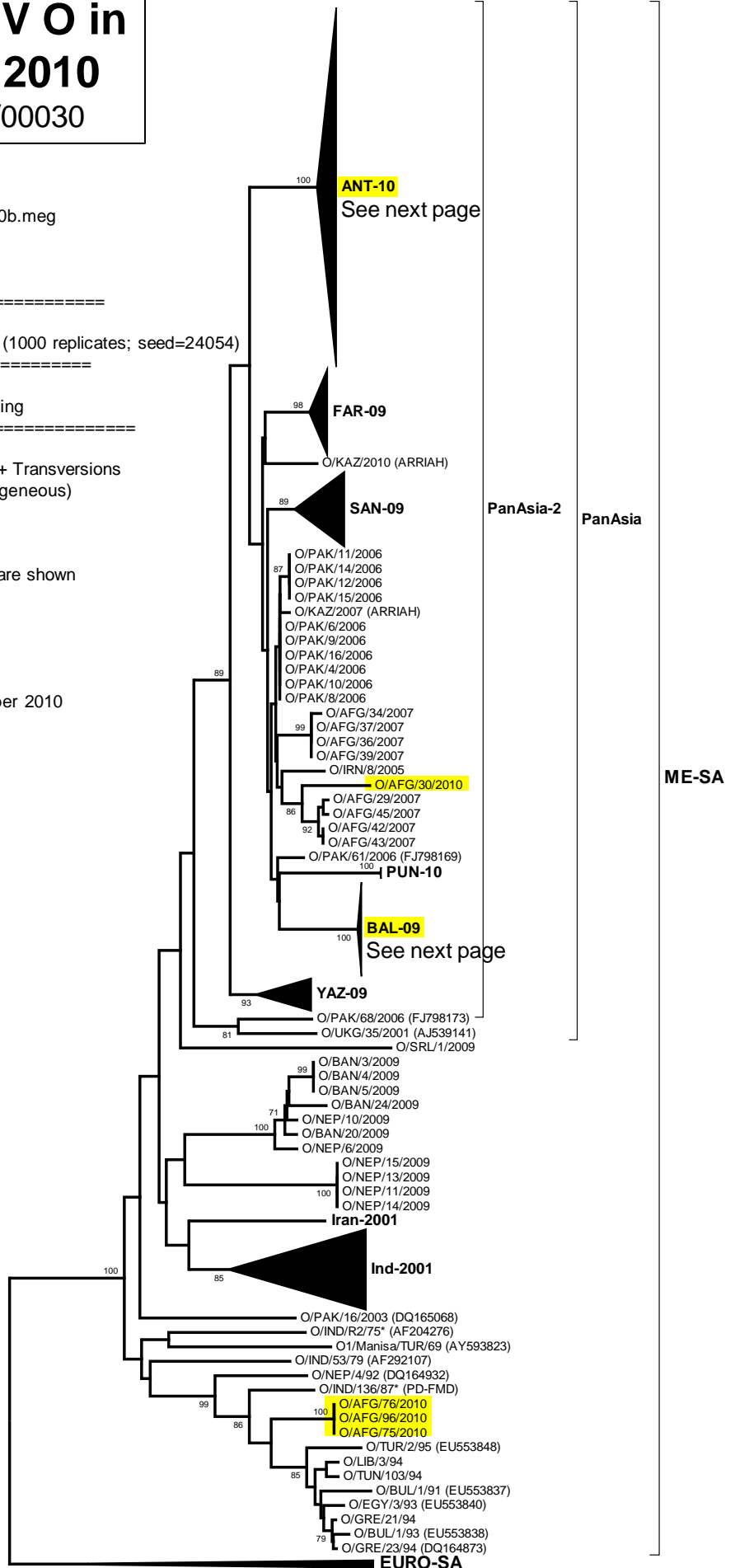
No Of Bootstrap Reps = 1000

Only bootstrap values of 70% and above are shown

* , not a WRLFMD Ref. No.

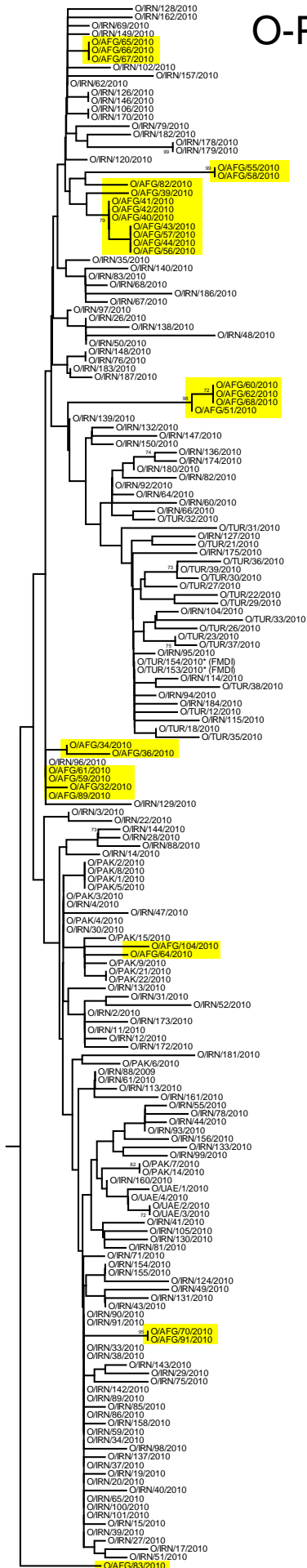
N.J. Knowles & J. Wadsworth, 04 November 2010

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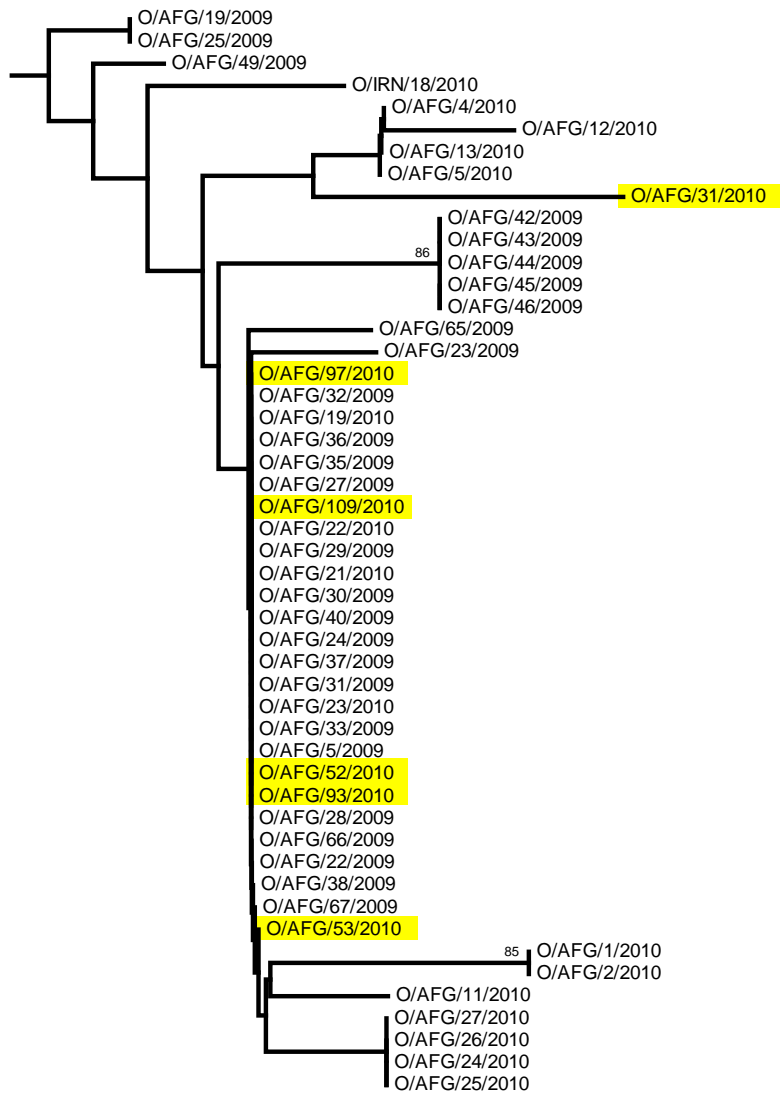


O-PanAsia-2^{ANT-10}

Report on FMDV O in Afghanistan in 2010
 Batch: WRLFMD/2010/00030



O-PanAsia-2^{BAL-09}



H
0.0002

0.001

Summary of results on samples from Afghanistan (batch no. WRLFMD/2010/00030) received on 31/08/2010.

WRLFMD Ref. No.	Type*	VP1 seq	Topotype	Lineage	Sender Ref.	Material sent	Location
AFG/29/2010	O†	No	-	-	191	vesicular fluid	Gharomai, Center, Khost
AFG/30/2010	O	Yes	ME-SA	PanAsia-2	192	epithelium in RNAlater®	Maras Khail, Center, Khost
AFG/31/2010	O	Yes	ME-SA	PanAsia-2 ^{BAL-09}	194	epithelium in RNAlater®	Deh Dama, 7th district, Kabul
AFG/32/2010	O	Yes	ME-SA	PanAsia-2 ^{ANT-10}	193	epithelium in RNAlater®	Chahar Qala, Qala-I Pakshak, 6th District, Kabul
AFG/33/2010	NVD	-	-	-	215	epithelium in RNAlater®	Mahee, Center, Khost
AFG/34/2010	O	Yes	ME-SA	PanAsia-2 ^{ANT-10}	210	epithelium in RNAlater®	Qabghan, Rokha, Panjsher
AFG/35/2010	O	No	-	-	211	epithelium in RNAlater®	Qabghan, Rokha, Panjsher
AFG/36/2010	O	Yes	ME-SA	PanAsia-2 ^{ANT-10}	212	epithelium in RNAlater®	Qabghan, Rokha, Panjsher
AFG/37/2010	O	No	-	-	213	epithelium in RNAlater®	Qabghan, Rokha, Panjsher
AFG/38/2010	O†	No	-	-	214	vesicular fluid	Qabghan, Rokha, Panjsher
AFG/39/2010	O	Yes	ME-SA	PanAsia-2 ^{ANT-10}	216	epithelium in RNAlater®	Alaw Ddin, Nahea6, Kabul
AFG/40/2010	O	Yes	ME-SA	PanAsia-2 ^{ANT-10}	217	epithelium in RNAlater®	Dewanbegi, Nahea 5, Kabul
AFG/41/2010	O	Yes	ME-SA	PanAsia-2 ^{ANT-10}	218	epithelium in RNAlater®	Aqa Sarai, Kalakan, Kabul
AFG/42/2010	O	Yes	ME-SA	PanAsia-2 ^{ANT-10}	219	epithelium in RNAlater®	Zor Abad, Nahea 11, Kabul
AFG/43/2010	O	Yes	ME-SA	PanAsia-2 ^{ANT-10}	220	epithelium in RNAlater®	Ansari, Kalakan, Kabul
AFG/44/2010	O	Yes	ME-SA	PanAsia-2 ^{ANT-10}	221	epithelium in RNAlater®	Zor Abad, Nahea 11, Kabul
AFG/45/2010	O	No	-	-	222	epithelium in RNAlater®	Noor Bakhtar, Center, Faryab
AFG/46/2010	O	No	-	-	226	epithelium in RNAlater®	Ghorea, Center, Jawzjan
AFG/47/2010	A	Yes	ASIA	Iran-05 ^{AFG07}	227	epithelium in RNAlater®	Ghorea, Center, Jawzjan
AFG/48/2010	A	No	-	-	237	epithelium in RNAlater®	Kohkana, Center, Faryab
AFG/49/2010	A	No	-	-	238	epithelium in RNAlater®	Kohkana, Center, Faryab
AFG/50/2010	O	No	-	-	232	epithelium in RNAlater®	Bedaki Sharif, Cnter, Faryab
AFG/51/2010	O+A	Yes†	ME-SA	PanAsia-2 ^{ANT-10}	233	epithelium in RNAlater®	Bedaki Sharif, Cnter, Faryab
AFG/52/2010	O	Yes	ME-SA	PanAsia-2 ^{BAL-09}	234	epithelium in RNAlater®	Bedaki Sharif, Cnter, Faryab
AFG/53/2010	O	Yes	ME-SA	PanAsia-2 ^{BAL-09}	235	epithelium in RNAlater®	Bedaki Sharif, Cnter, Faryab
AFG/54/2010	A	No	-	-	236	epithelium in RNAlater®	Bedaki Sharif, Cnter, Faryab
AFG/55/2010	O	Yes	ME-SA	PanAsia-2 ^{ANT-10}	228	epithelium in RNAlater®	Cilinic, Center, Faryab
AFG/56/2010	O	Yes	ME-SA	PanAsia-2 ^{ANT-10}	229	epithelium in RNAlater®	Cilinic, Center, Faryab
AFG/57/2010	O	Yes	ME-SA	PanAsia-2 ^{ANT-10}	230	epithelium in RNAlater®	Cilinic, Center, Faryab
AFG/58/2010	O	Yes	ME-SA	PanAsia-2 ^{ANT-10}	231	epithelium in RNAlater®	Cilinic, Center, Faryab
AFG/59/2010	O	Yes	ME-SA	PanAsia-2 ^{ANT-10}	250	epithelium in RNAlater®	Dalkhaky, Center, Samangan
AFG/60/2010	O	Yes	ME-SA	PanAsia-2 ^{ANT-10}	251	epithelium in RNAlater®	Dalkhaky, Center, Samangan
AFG/61/2010	O	Yes	ME-SA	PanAsia-2 ^{ANT-10}	252	epithelium in RNAlater®	Dalkhaky, Center, Samangan
AFG/62/2010	O	Yes	ME-SA	PanAsia-2 ^{ANT-10}	253	epithelium in RNAlater®	Dalkhaky, Center, Samangan

WRLFMD Ref. No.	Type*	VP1 seq	Topotype	Lineage	Sender Ref.	Material sent	Location
AFG/63/2010	O+A	No	-	-	254	epithelium in RNAlater®	Dalkhaky, Center, Samangan
AFG/64/2010	O	Yes	ME-SA	PanAsia-2 ^{ANT-10}	254	epithelium in RNAlater®	Dalkhaky, Center, Samangan
AFG/65/2010	O	Yes	ME-SA	PanAsia-2 ^{ANT-10}	245	epithelium in RNAlater®	Karte Khrasan, Center, Samangan
AFG/66/2010	O	Yes	ME-SA	PanAsia-2 ^{ANT-10}	246	epithelium in RNAlater®	Bagh, Center, Samangan
AFG/67/2010	O	Yes	ME-SA	PanAsia-2 ^{ANT-10}	256	epithelium in RNAlater®	Araghly, Center, Samangan
AFG/68/2010	O	Yes	ME-SA	PanAsia-2 ^{ANT-10}	257	epithelium in RNAlater®	Araghly, Center, Samangan
AFG/69/2010	O	No	-	-	258	epithelium in RNAlater®	Araghly, Center, Samangan
AFG/70/2010	O	Yes	ME-SA	PanAsia-2 ^{ANT-10}	259	epithelium in RNAlater®	Araghly, Center, Samangan
AFG/71/2010	O	No	-	-	247	epithelium in RNAlater®	Sengetak, Center, Samangan
AFG/72/2010	O	No	-	-	248	epithelium in RNAlater®	Sengetak, Center, Samangan
AFG/73/2010	O	No	-	-	249	epithelium in RNAlater®	Sengetak, Center, Samangan
AFG/74/2010	O	No	-	-	244	epithelium in RNAlater®	Khoaja Asmayal, Center, Samangan
AFG/75/2010	O	Yes	ME-SA	Unnamed	260	epithelium in RNAlater®	Chatam, Center, Badakhsha
AFG/76/2010	O	Yes	ME-SA	Unnamed	261	epithelium in RNAlater®	Chatam, Center, Badakhsha
AFG/77/2010	NVD	-	-	-	262	epithelium in RNAlater®	Geda, Center, Badakhsha
AFG/78/2010	O	No	-	-	263	epithelium in RNAlater®	Geda, Center, Badakhsha
AFG/79/2010	O	No	-	-	264	epithelium in RNAlater®	Geda, Center, Badakhsha
AFG/80/2010	O	No	-	-	265	epithelium in RNAlater®	Geda, Center, Badakhsha
AFG/81/2010	O	No	-	-	266	epithelium in RNAlater®	Geda, Center, Badakhsha
AFG/82/2010	O	Yes	ME-SA	PanAsia-2 ^{ANT-10}	267	epithelium in RNAlater®	Geda, Center, Badakhsha
AFG/83/2010	O	Yes	ME-SA	PanAsia-2 ^{ANT-10}	268	epithelium in RNAlater®	Abcity, Center, Badakhsha
AFG/84/2010	NVD	-	-	-	269	epithelium in RNAlater®	Abcity, Center, Badakhsha
AFG/85/2010	O	No	-	-	270	epithelium in RNAlater®	Baghshah, Center, Badakhsha
AFG/86/2010	O	No	-	-	271	epithelium in RNAlater®	Qalie Khater, District 10, Kabul
AFG/87/2010	O	No	-	-	195	epithelium in RNAlater®	Center, Center, Kapisa
AFG/88/2010	O	No	-	-	196	epithelium in RNAlater®	Center, Center, Kapisa
AFG/89/2010	O	Yes	ME-SA	PanAsia-2 ^{ANT-10}	197	epithelium in RNAlater®	Hesa 2, Hesa 2, Kapisa
AFG/90/2010	A	No	-	-	198	epithelium in RNAlater®	Hesa 1, Hesa 1, Kapisa
AFG/91/2010	O	Yes	ME-SA	PanAsia-2 ^{ANT-10}	199	epithelium in RNAlater®	Hesa 1, Hesa 1, Kapisa
AFG/92/2010	O	No	-	-	200	epithelium in RNAlater®	Center, Center, Kapisa
AFG/93/2010	O†	Yes	ME-SA	PanAsia-2 ^{BAL-09}	201	vesicular fluid	Hesa 1, Hesa 1, Kapisa
AFG/94/2010	A	No	-	-	202	epithelium in RNAlater®	Hesa 2, Hesa 2, Kapisa
AFG/95/2010	O	No	-	-	203	epithelium in RNAlater®	Hesa 1, Hesa 1, Kapisa
AFG/96/2010	O	Yes	ME-SA	Unnamed	204	epithelium in RNAlater®	Center, Center, Kapisa
AFG/97/2010	O	Yes	ME-SA	PanAsia-2 ^{BAL-09}	205	epithelium in RNAlater®	Center, Laghman
AFG/98/2010	NVD	-	-	-	206	vesicular fluid	Center, Laghman

WRLFMD Ref. No.	Type*	VP1 seq	Topotype	Lineage	Sender Ref.	Material sent	Location
AFG/99/2010	NVD	-	-	-	207	vesicular fluid	Center, Laghman
AFG/100/2010	NVD	-	-	-	208	swab in RNAlater®	Chimtal, Balkh
AFG/101/2010	NVD	-	-	-	209	swab in RNAlater®	Chimtal, Balkh
AFG/102/2010	O	No	-	-	223	epithelium in RNAlater®	Sarbalq, Nahea 9, Faryab
AFG/103/2010	O	No	-	-	224	epithelium in RNAlater®	Sarbalq, Nahea 9, Faryab
AFG/104/2010	O	Yes	ME-SA	PanAsia-2 ^{ANT-10}	225	epithelium in RNAlater®	Sarbalq, Nahea 9, Faryab
AFG/105/2010	A	No	-	-	239	epithelium in RNAlater®	Sadullah, Center, Parwan
AFG/106/2010	A	No	-	-	240	epithelium in RNAlater®	Charekar, Center, Parwan
AFG/107/2010	NVD	-	-	-	241	epithelium in RNAlater®	Bayan, Center, Parwan
AFG/108/2010	O	No	-	-	242	epithelium in RNAlater®	Alea, Center, Parwan
AFG/109/2010	O	Yes	ME-SA	PanAsia-2 ^{BAL-09}	243	epithelium in RNAlater®	Ahkhtche, Center, Parwan

*, determined by a typing PCR.

†, no virus was isolated in cell cultures.

‡, sequence data only determined for the type O component of the sample.

NVD, no virus (or FMDV genome) detected.