

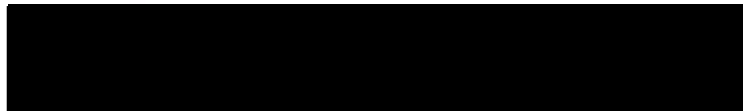


INSTITUTE FOR ANIMAL HEALTH
Director: Professor John Fazakerley BSc, MBA, PhD, FRCPath
PIRBRIGHT LABORATORY
Ash Road,
Pirbright,
Surrey,
GU24 0NF
Intn Tel: 00 44 1483 232441
Tel: 01483 232441, Fax: 01483 232621

FMD Genotyping Report

Lab Reference WRL Batch Number: WRLFMD/2012/00014

Sender Details:

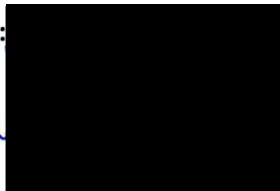


Date Received: 3rd April 2012
Country of Origin: ISRAEL
Date Reported: 8th May 2012

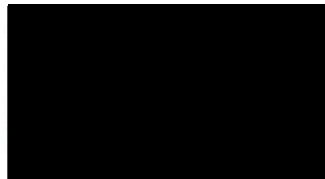
Dear Dr Gelman,

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:

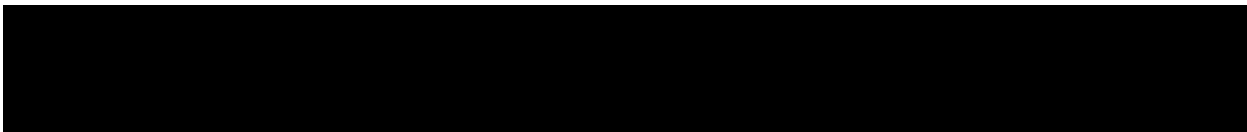


Official Stamp:



Date:

8/5/12



A UKAS accredited testing laboratory No. 4025.

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: gareth.shimmon@iah.ac.uk. IAH actively seeks and appreciates feedback, if you would like to offer feedback please complete the WRLFMD survey here: <http://www.surveymonkey.com/s/WRLFMD>

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

Genotyping Report

Report Date for this Batch: 2 May 2012

FMDV type O

Country: Israel

Period: 2012

No. of samples: 2

BATCH: WRLFMD/2012/00014



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

© Institute for Animal Health

FAO World Reference Laboratory for FMD Genotyping Report

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

Page 1 of 1

Serotype: O	Report date: 02/05/2012
WRLFMD Ref No: ISR/1/2012	Reported by: N.J. Knowles
Batch No: WRLFMD/2012/00014	Checked by: D.P. King
Sender Ref: 132913	
Location: Rahat, Israel	Topotype: ME-SA
Date collected: 20/03/2012	Genotype/strain: PanAsia-2 ^{ANT-10}
Date received by WRLFMD: 03/04/2012	Sequence filename: ISR12-01.SEQ
Date received for sequencing: 05/04/2012	Date sequence last updated: 02/05/2012
Species: Sheep	No. of Nt determined: 639
Material used: BTY1	No. of ambiguities: 0
Region sequenced: VP1	Gene length: 639
RT-PCR primers: O-1C244F/EUR-2B52R	Total no. of comparisons: 3271
O-1C272F/EUR-2B52R	Min. no. of nt for comparison: 600
	Total turn-around time: 29 days
	Sequencing time: 27 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/ISR/11/2011	ISR11-11	639	633	0	99.06	0.94	ME-SA	PanAsia-2 ^{ANT-10}
2	O/ISR/12/2011	ISR11-12	639	633	0	99.06	0.94	ME-SA	PanAsia-2 ^{ANT-10}
3	O/ISR/13/2011	ISR11-13	639	633	0	99.06	0.94	ME-SA	PanAsia-2 ^{ANT-10}
4	O/ISR/17/2011	ISR11-17	639	633	0	99.06	0.94	ME-SA	PanAsia-2 ^{ANT-10}
5	O/ISR/26/2011	ISR11-26	639	633	0	99.06	0.94	ME-SA	PanAsia-2 ^{ANT-10}
6	O/ISR/16/2011	ISR11-16	639	632	0	98.90	1.10	ME-SA	PanAsia-2 ^{ANT-10}
7	O/ISR/21/2011	ISR11-21	639	632	0	98.90	1.10	ME-SA	PanAsia-2 ^{ANT-10}
8	O/ISR/23/2011	ISR11-23	639	632	0	98.90	1.10	ME-SA	PanAsia-2 ^{ANT-10}
9	O/ISR/24/2011	ISR11-24	639	632	0	98.90	1.10	ME-SA	PanAsia-2 ^{ANT-10}
10	O/ISR/25/2011	ISR11-25	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	624	0	97.65	2.35	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	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/PAK/16/2010	PAK10-16	639	596	0	93.27	6.73	ME-SA	PanAsia-2 ^{PUN-10}
7	O/IRN/18/2010	IRN10-18	639	595	0	93.11	6.89	ME-SA	PanAsia-2 ^{BAL-09}
8	O/UKG/35/2001 (AJ539141)	UKG01-35	639	584	0	91.39	8.61	ME-SA	PanAsia
9	O/KUW/3/97 (DQ164904)	KUW97-03	639	571	0	89.36	10.64	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

Assembled with Report Generator v4.1

© Institute for Animal Health (not to be reproduced without permission)

FAO World Reference Laboratory for FMD Genotyping Report

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

Page 1 of 1

Serotype: O	Report date: 02/05/2012
WRLFMD Ref No: ISR/2/2012	Reported by: N.J. Knowles
Batch No: WRLFMD/2012/00014	Checked by: D.P. King
Sender Ref: 133058	
Location: Dudaim, Israel	Topotype: ME-SA
Date collected: 21/03/2012	Genotype/strain: PanAsia-2 ^{ANT-10}
Date received by WRLFMD: 03/04/2012	Sequence filename: ISR12-02.SEQ
Date received for sequencing: 05/04/2012	Date sequence last updated: 02/05/2012
Species: Sheep	No. of Nt determined: 639
Material used: BTY1	No. of ambiguities: 0
Region sequenced: VP1	Gene length: 639
RT-PCR primers: O-1C244F/EUR-2B52R	Total no. of comparisons: 3271
O-1C272F/EUR-2B52R	Min. no. of nt for comparison: 600
	Total turn-around time: 29 days
	Sequencing time: 27 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/ISR/8/2011	ISR11-08	639	631	0	98.75	1.25	ME-SA	PanAsia-2 ^{ANT-10}
2	O/ISR/11/2011	ISR11-11	639	630	0	98.59	1.41	ME-SA	PanAsia-2 ^{ANT-10}
3	O/ISR/12/2011	ISR11-12	639	630	0	98.59	1.41	ME-SA	PanAsia-2 ^{ANT-10}
4	O/ISR/13/2011	ISR11-13	639	630	0	98.59	1.41	ME-SA	PanAsia-2 ^{ANT-10}
5	O/ISR/17/2011	ISR11-17	639	630	0	98.59	1.41	ME-SA	PanAsia-2 ^{ANT-10}
6	O/ISR/26/2011	ISR11-26	639	630	0	98.59	1.41	ME-SA	PanAsia-2 ^{ANT-10}
7	O/ISR/16/2011	ISR11-16	639	629	0	98.44	1.56	ME-SA	PanAsia-2 ^{ANT-10}
8	O/ISR/21/2011	ISR11-21	639	629	0	98.44	1.56	ME-SA	PanAsia-2 ^{ANT-10}
9	O/ISR/23/2011	ISR11-23	639	629	0	98.44	1.56	ME-SA	PanAsia-2 ^{ANT-10}
10	O/ISR/24/2011	ISR11-24	639	629	0	98.44	1.56	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	621	0	97.18	2.82	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	600	0	93.90	6.10	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/TUR/264/2009* (FMDI)	TUR09-AK	639	597	0	93.43	6.57	ME-SA	PanAsia-2 ^{SAN-09}
6	O/PAK/16/2010	PAK10-16	639	594	0	92.96	7.04	ME-SA	PanAsia-2 ^{PUN-10}
7	O/IRN/18/2010	IRN10-18	639	593	0	92.80	7.20	ME-SA	PanAsia-2 ^{BAL-09}
8	O/UKG/35/2001 (AJ539141)	UKG01-35	639	581	0	90.92	9.08	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	565	0	88.42	11.58	ME-SA	Ind-2001b

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v4.1

© Institute for Animal Health (not to be reproduced without permission)

