

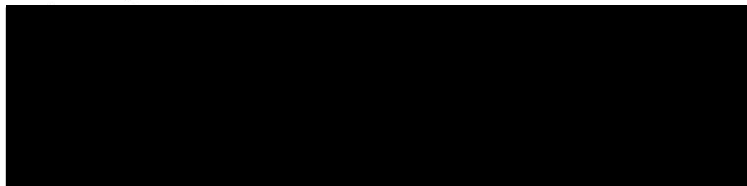


INSTITUTE FOR ANIMAL HEALTH
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Ash Road,
Pirbright,
Surrey,
GU24 0NF
Intn Tel: 00 44 1483 232441
Tel: 01483 232441 Fax: 01483 232621

FMD Genotyping Report

Lab Reference WRL Batch Number: WRLFMD/2011/00037

Sender Details:

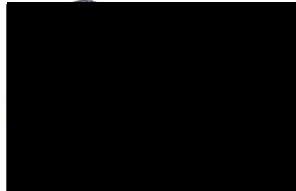


Date Received: 28th July 2011
Country of Origin: Sri Lanka
Date Reported: 30th August 2011

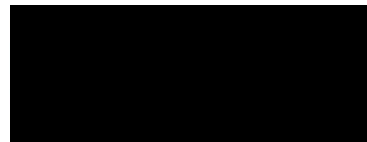
Dear Wilai Linchongsubongkoch,

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:

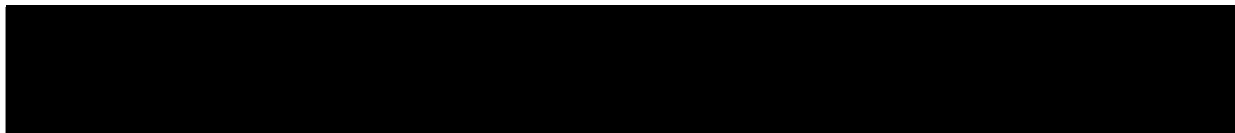


Official Stamp:



Date:

30/8/11



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: elizabeth.wilson@bbsrc.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: 25 August 2011

FMDV type O

Country: Sri Lanka

Period: 2010-2011

No. of samples: 2

BATCH: WRLFMD/2011/00037



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FAO World Reference Laboratory for FMD Genotyping Report

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

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Serotype: O	Report date: 25/08/2011
WRLFMD Ref No: SRL/1/2010	Reported by: N.J. Knowles
Batch No: WRLFMD/2011/00037	Checked by: D.P. King
Sender Ref: SRL 3/10 R2 B2	
Location: Kandy, Sri Lanka	Topotype: ME-SA
Date collected: 04/08/2010	Genotype/strain: unnamed
Date received by WRLFMD: 28/07/2011	Sequence filename: SRL10-01.SEQ
Date received for sequencing: 05/08/2011	Date sequence last updated: 17/08/2011
Species: Cattle	No. of Nt determined: 639
Material used: LK2 BHK2 BTy1	No. of ambiguities: 0
Region sequenced: VP1	Gene length: 639
RT-PCR primers: O-1C244F/EUR-2B52R	Total no. of comparisons: 3088
O-1C272F/EUR-2B52R	Min. no. of nt for comparison: 600
	Total turn-around time: 28 days
	Sequencing time: 20 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/SRL/1/2009	SRL09-01	639	639	0	100.00	0.00	ME-SA	unnamed
2	O/SRL/7/99	SRL99-07	639	596	0	93.27	6.73	ME-SA	unnamed
3	O/SRL/1/2000	SRL00-01	639	595	0	93.11	6.89	ME-SA	unnamed
4	O/SRL/5/99	SRL99-05	639	591	0	92.49	7.51	ME-SA	unnamed
5	O/SRL/2/97	SRL97-02	639	588	0	92.02	7.98	ME-SA	unnamed
6	O/SRL/3/99	SRL99-03	639	584	0	91.39	8.61	ME-SA	unnamed
7	O/TAI/7/2011	TAI11-07	639	584	0	91.39	8.61	ME-SA	PanAsia
8	O/VIT/10/2010	VIT10-10	639	584	0	91.39	8.61	ME-SA	PanAsia
9	O/VIT/11/2010	VIT10-11	639	584	0	91.39	8.61	ME-SA	PanAsia
10	O/CAM/1/2010	CAM10-01	639	583	0	91.24	8.76	ME-SA	PanAsia
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/UKG/35/2001 (AJ539141)	UKG01-35	639	571	0	89.36	10.64	ME-SA	PanAsia
2	O/IRN/31/2009	IRN09-31	639	570	0	89.20	10.80	ME-SA	PanAsia-2 ^{FAR-09}
3	O/IRN/88/2009	IRN09-88	639	570	0	89.20	10.80	ME-SA	PanAsia-2 ^{ANT-10}
4	O/PAK/16/2010	PAK10-16	639	570	0	89.20	10.80	ME-SA	PanAsia-2 ^{PUN-10}
5	O/UAE/4/2008	UAE08-04	636	566	0	88.99	11.01	ME-SA	Ind-2001c
6	O/KUW/3/97 (DQ164904)	KUW97-03	639	566	0	88.58	11.42	ME-SA	Ind-2001a
7	O/OMN/7/2001 (DQ164941)	OMN01-07	639	566	0	88.58	11.42	ME-SA	Ind-2001b
8	O/IRN/18/2010	IRN10-18	639	565	0	88.42	11.58	ME-SA	PanAsia-2 ^{BAL-09}
9	O/IRN/8/2005	IRN05-08	639	565	0	88.42	11.58	ME-SA	PanAsia-2
10	O/BHU/3/2009	BHU09-03	639	563	0	88.11	11.89	ME-SA	Ind-2001d

nt, nucleotides

*, not a WRLFMD reference number

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FAO World Reference Laboratory for FMD Genotyping Report

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

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Serotype: O	Report date: 25/08/2011
WRLFMD Ref No: SRL/1/2011	Reported by: N.J. Knowles
Batch No: WRLFMD/2011/00037	Checked by: D.P. King
Sender Ref: SRL 1/11 R2 BHK2	
Location: Palonnaruwa, Sri Lanka	Topotype: ME-SA
Date collected: 07/01/2011	Genotype/strain: PanAsia-2
Date received by WRLFMD: 28/07/2011	Sequence filename: SRL11-01.SEQ
Date received for sequencing: 05/08/2011	Date sequence last updated: 17/08/2011
Species: Cattle	No. of Nt determined: 639
Material used: LK2 BHK2 BTy1	No. of ambiguities: 0
Region sequenced: VP1	Gene length: 639
RT-PCR primers: O-1C244F/EUR-2B52R	Total no. of comparisons: 3088
O-1C272F/EUR-2B52R	Min. no. of nt for comparison: 600
	Total turn-around time: 28 days
	Sequencing time: 20 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/NEP/2/2003	NEP03-02	638	611	1	95.77	4.23	ME-SA	PanAsia-2
2	O/AFG/201/2004* (EF457985)	AFG04-AB	639	609	0	95.31	4.69	ME-SA	PanAsia-2
3	O/PAK/13/2005	PAK05-13	639	609	0	95.31	4.69	ME-SA	PanAsia-2
4	O/BHU/33/2004 (DQ165046)	BHU04-33	639	608	0	95.15	4.85	ME-SA	PanAsia-2
5	O/BHU/39/2004 (DQ164870)	BHU04-39	639	608	0	95.15	4.85	ME-SA	PanAsia-2
6	O/BHU/40/2004 (DQ165047)	BHU04-40	639	608	0	95.15	4.85	ME-SA	PanAsia-2
7	O/NEP/6/2003 (DQ165061)	NEP03-06	639	608	0	95.15	4.85	ME-SA	PanAsia-2
8	O/PAK/9/2005	PAK05-09	639	608	0	95.15	4.85	ME-SA	PanAsia-2
9	O-GD/NEP/2/2004	NEP04-02	639	608	0	95.15	4.85	ME-SA	PanAsia-2
10	O/AFG/120/2004* (EF457984)	AFG04-AA	639	607	0	94.99	5.01	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	606	0	94.84	5.16	ME-SA	PanAsia-2
2	O/TUR/257/2008* (FMDI)	TUR08-AD	639	598	0	93.58	6.42	ME-SA	PanAsia-2 ^{TER-08}
3	O/IRN/31/2009	IRN09-31	639	595	0	93.11	6.89	ME-SA	PanAsia-2 ^{FAR-09}
4	O/TUR/264/2009* (FMDI)	TUR09-AK	639	594	0	92.96	7.04	ME-SA	PanAsia-2 ^{SAN-09}
5	O/IRN/88/2009	IRN09-88	639	590	0	92.33	7.67	ME-SA	PanAsia-2 ^{ANT-10}
6	O/IRN/18/2010	IRN10-18	639	589	0	92.18	7.82	ME-SA	PanAsia-2 ^{BAL-09}
7	O/PAK/16/2010	PAK10-16	639	587	0	91.86	8.14	ME-SA	PanAsia-2 ^{PUN-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	578	0	90.45	9.55	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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