



INSTITUTE FOR ANIMAL HEALTH

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

PIRBRIGHT LABORATORY

Ash Road,

Pirbright,

Surrey,

GU24 0NF

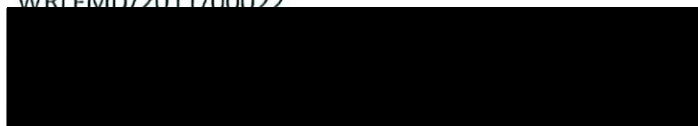
Intn Tel: 00 44 1483 232441

Tel: 01483 232441 Fax: 01483 232621

FMD Sequencing Report

Lab Reference WRL Batch Number: WRLFMD/2011/00022

Sender Details:



Date Received: 20th April 2011

Country of Origin: Hong Kong

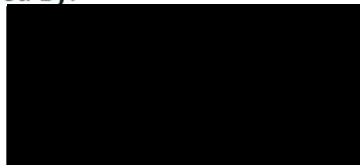
Date Reported: 6th May 2011

Dear Chow Cheuk Hung,

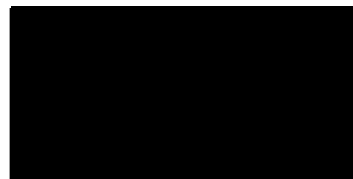
Sequencing work has now been completed in respect of the samples you submitted and the details are as attached. Please note that all of our phylogenetic trees can be accessed via the internet at:

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

Results Approved By:



Official Stamp:



Date:

6/5/11

Testing carried out by WRLFMD is UKAS ISO/IEC 17025 accredited. Please see link for scope of accreditation:

http://www.ukas.org/testing/lab_detail.asp?lab_id=2811&location_id=&vMenuOption=3 . 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: 5 May 2011

FMDV type O

Country: Hong Kong SAR

Period: 2011

No. of samples: 2

BATCH: WRLFMD/2011/00022



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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: 05/05/2011
WRLFMD Ref No: HKN/1/2011	Reported by: N.J. Knowles
Batch No: WRLFMD/2011/00022	Checked by: D.P. King
Sender Ref: FMWD 01/11 D-11-1732 (1)	
Location: Not given, Hong Kong	Topotype: SEA
Date collected: 01/03/2011	Genotype/strain: Mya-98
Date received by WRLFMD: 20/04/2011	Sequence filename: HKN11-01.SEQ
Date received for sequencing: 03/05/2011	Date sequence last updated: 04/05/2011
Species: Pig	No. of Nt determined: 639
Material used: BTy2	No. of ambiguities: 0
Region sequenced: VP1	Gene length: 639
RT-PCR primers: O-1C244F/EUR-2B52R	Total no. of comparisons: 2860
O-1C272F/EUR-2B52R	Min. no. of nt for comparison: 600
	Total turn-around time: 15 days
	Sequencing time: 2 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/HKN/2/2011	HKN11-02	639	639	0	100.00	0.00	SEA	Mya-98
2	O/HKN/13/2010	HKN10-13	639	627	0	98.12	1.88	SEA	Mya-98
3	O/HKN/14/2010	HKN10-14	639	627	0	98.12	1.88	SEA	Mya-98
4	O/HKN/15/2010	HKN10-15	639	627	0	98.12	1.88	SEA	Mya-98
5	O/HKN/7/2010	HKN10-07	639	627	0	98.12	1.88	SEA	Mya-98
6	O/HKN/8/2010	HKN10-08	639	627	0	98.12	1.88	SEA	Mya-98
7	O/HKN/10/2010	HKN10-10	639	626	0	97.97	2.03	SEA	Mya-98
8	O/HKN/11/2010	HKN10-11	639	626	0	97.97	2.03	SEA	Mya-98
9	O/HKN/12/2010	HKN10-12	639	626	0	97.97	2.03	SEA	Mya-98
10	O/HKN/9/2010	HKN10-09	639	626	0	97.97	2.03	SEA	Mya-98

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/MYA/7/98 (DQ164925)	MYA98-07	639	593	0	92.80	7.20	SEA	Mya-98
2	O/TAI/189/87* (TRRL)	TAI87-AC	639	564	0	88.26	11.74	SEA	unnamed
3	O/IRN/8/2005	IRN05-08	639	538	0	84.19	15.81	ME-SA	PanAsia-2
4	O/IND/R2/75* (AF204276)	IND75--A	639	536	0	83.88	16.12	ME-SA	unnamed
5	O/PAK/16/2010	PAK10-16	639	536	0	83.88	16.12	ME-SA	PanAsia-2 ^{PUN-10}
6	O/TUR/257/2008* (FMDI)	TUR08-AD	639	536	0	83.88	16.12	ME-SA	PanAsia-2 ^{TER-08}
7	O/CAM/3/98 (AJ294910)	CAM98-03	639	535	0	83.72	16.28	SEA	Cam-94
8	O/UKG/35/2001 (AJ539141)	UKG01-35	639	534	0	83.57	16.43	ME-SA	PanAsia
9	O/TUR/264/2009* (FMDI)	TUR09-AK	639	533	0	83.41	16.59	ME-SA	PanAsia-2 ^{SAN-09}
10	O/IRN/31/2009	IRN09-31	639	532	0	83.26	16.74	ME-SA	PanAsia-2 ^{FAR-09}

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v4.0

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FAO World Reference Laboratory for FMD Genotyping Report

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Serotype: O	Report date: 05/05/2011
WRLFMD Ref No: HKN/2/2011	Reported by: N.J. Knowles
Batch No: WRLFMD/2011/00022	Checked by: D.P. King
Sender Ref: FMWD 02/11 D-11-1732 (2)	
Location: Not given, Hong Kong	Topotype: SEA
Date collected: 01/03/2011	Genotype/strain: Mya-98
Date received by WRLFMD: 20/04/2011	Sequence filename: HKN11-02.SEQ
Date received for sequencing: 03/05/2011	Date sequence last updated: 04/05/2011
Species: Pig	No. of Nt determined: 639
Material used: BTy2	No. of ambiguities: 0
Region sequenced: VP1	Gene length: 639
RT-PCR primers: O-1C244F/EUR-2B52R	Total no. of comparisons: 2860
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7	O/CAM/3/98 (AJ294910)	CAM98-03	639	535	0	83.72	16.28	SEA	Cam-94
8	O/UKG/35/2001 (AJ539141)	UKG01-35	639	534	0	83.57	16.43	ME-SA	PanAsia
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10	O/IRN/31/2009	IRN09-31	639	532	0	83.26	16.74	ME-SA	PanAsia-2 ^{FAR-09}

nt, nucleotides

*, not a WRLFMD reference number

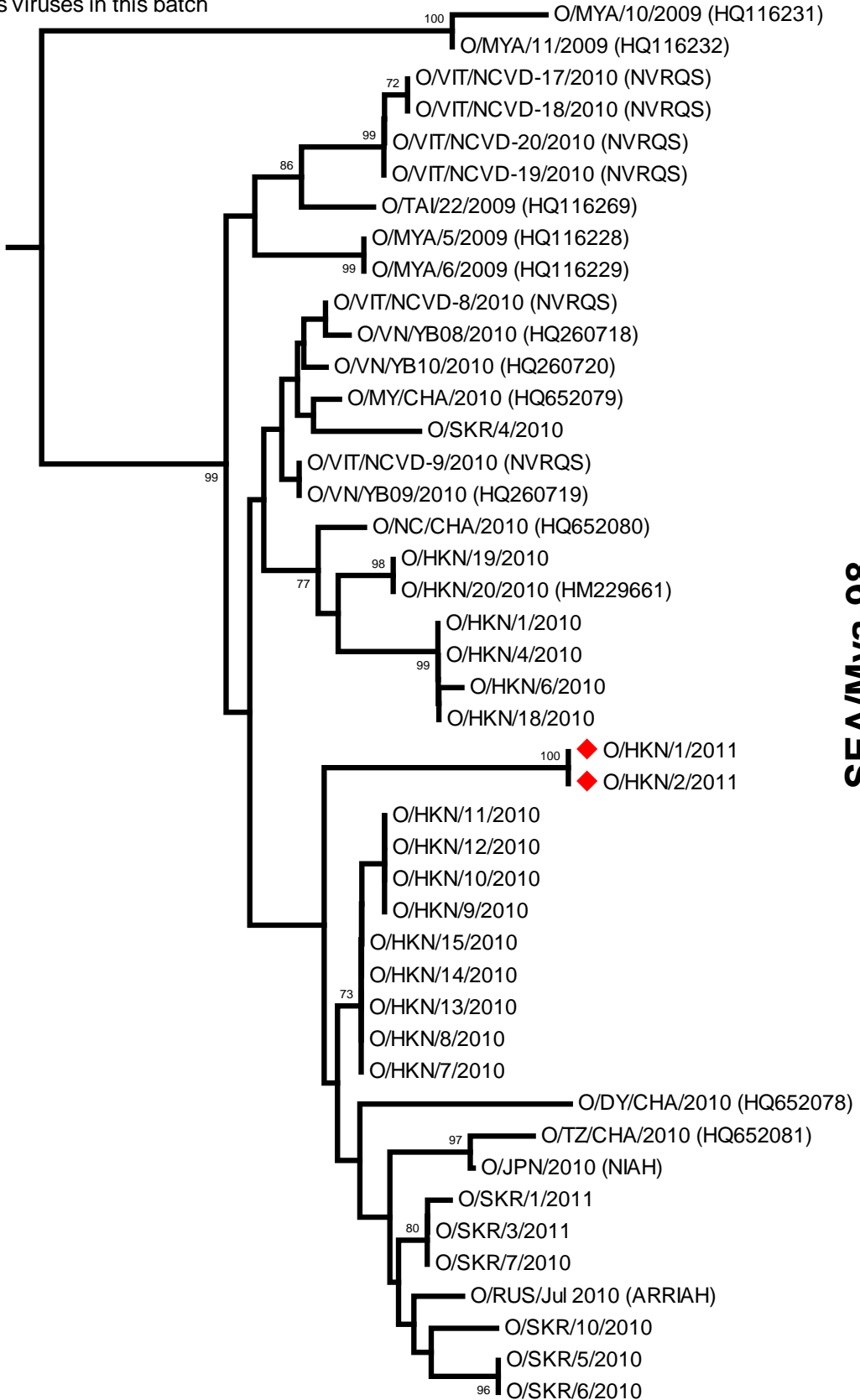
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Report on FMDV O in Hong Kong SAR in 2011

Batch: WRLFMD/2011/00022

◆ indicates viruses in this batch



SEAM/Mya-98

0.005