

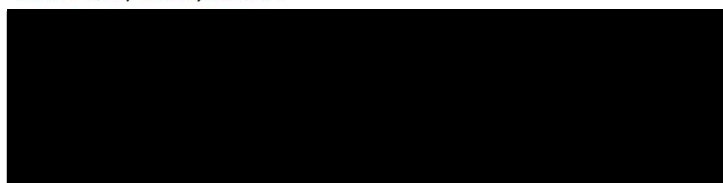


INSTITUTE FOR ANIMAL HEALTH
Director: Professor John Fazakerley BSc, MBA, PhD, FRCPath
PIRBRIGHT LABORATORY
Ash Road,
Pirbright,
Surrey,
GU24 0NF
Intn Tel: 00 44 1483 232441
Tel: 01483 232441 Fax: 01483 232621

FMD Genotyping Report

Lab Reference WRL Batch Number: WRLFMD/2011/00034

Sender Details:

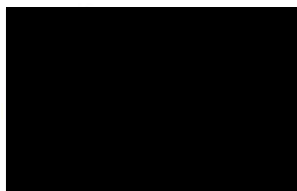


Date Received: 28th July 2011
Country of Origin: Vietnam
Date Reported: 30th August 2011

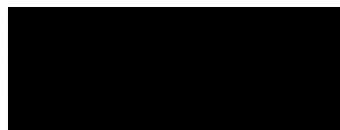
Dear Wilai Linchongsubongkoch,

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:

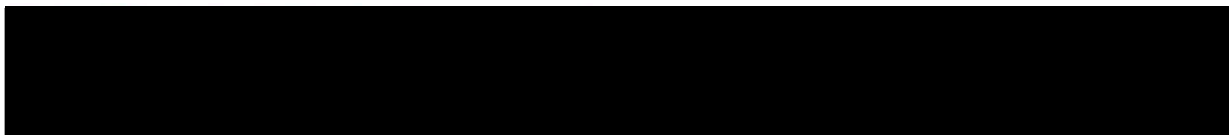


Official Stamp:



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: 26 August 2011

FMDV type O

Country: Vietnam

Period: 2010

No. of samples: 6

BATCH: WRLFMD/2011/00034



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FAO World Reference Laboratory for FMD Genotyping Report

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Serotype: O	Report date: 25/08/2011
WRLFMD Ref No: VIT/18/2010	Reported by: N.J. Knowles
Batch No: WRLFMD/2011/00034	Checked by: D.P. King
Sender Ref: VIT 9/10 R2 B1	
Location: Ha Tinh, Vietnam	Topotype: SEA
Date collected: 11/09/2010	Genotype/strain: Mya-98
Date received by WRLFMD: 28/07/2011	Sequence filename: VIT10-18.SEQ
Date received for sequencing: 05/08/2011	Date sequence last updated: 17/08/2011
Species: Pig	No. of Nt determined: 639
Material used: LK2 BHK1 RS1	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/VIT/5/2010	VIT10-05	639	638	0	99.84	0.16	SEA	Mya-98
2	O/TAI/2/2010	TAI10-02	639	637	0	99.69	0.31	SEA	Mya-98
3	O/TAI/27/2009	TAI09-27	639	637	0	99.69	0.31	SEA	Mya-98
4	O/TAI/5/2010	TAI10-05	639	637	0	99.69	0.31	SEA	Mya-98
5	O/TAI/6/2010	TAI10-06	639	637	0	99.69	0.31	SEA	Mya-98
6	O-GD/MAY/12/2010	MAY10-12	639	637	0	99.69	0.31	SEA	Mya-98
7	O/TAI/3/2010	TAI10-03	639	636	0	99.53	0.47	SEA	Mya-98
8	O/TAI/4/2010	TAI10-04	639	635	0	99.37	0.63	SEA	Mya-98
9	O/TAI/9/2010	TAI10-09	639	635	0	99.37	0.63	SEA	Mya-98
10	O-GD/MAY/8/2010	MAY10-08	639	635	0	99.37	0.63	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	591	0	92.49	7.51	SEA	Mya-98
2	O/TAI/189/87* (TRRL)	TAI87-AC	639	571	0	89.36	10.64	SEA	unnamed
3	O/IRN/31/2009	IRN09-31	639	547	0	85.60	14.40	ME-SA	PanAsia-2 ^{FAR-09}
4	O/IND/R2/75* (AF204276)	IND75--A	639	546	0	85.45	14.55	ME-SA	unnamed
5	O/UKG/35/2001 (AJ539141)	UKG01-35	639	545	0	85.29	14.71	ME-SA	PanAsia
6	O/IND/53/79 (AF292107)	IND79A53	639	544	0	85.13	14.87	ME-SA	unnamed
7	O/PAK/16/2010	PAK10-16	639	543	0	84.98	15.02	ME-SA	PanAsia-2 ^{PUN-10}
8	O/CAM/3/98 (AJ294910)	CAM98-03	639	540	0	84.51	15.49	SEA	Cam-94
9	O/IRN/8/2005	IRN05-08	639	540	0	84.51	15.49	ME-SA	PanAsia-2
10	O/PAK/16/2003 (DQ165068)	PAK03-16	639	539	0	84.35	15.65	ME-SA	Pak-98

nt, nucleotides

*, not a WRLFMD reference number

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FAO World Reference Laboratory for FMD Genotyping Report

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Serotype: O	Report date: 25/08/2011
WRLFMD Ref No: VIT/19/2010	Reported by: N.J. Knowles
Batch No: WRLFMD/2011/00034	Checked by: D.P. King
Sender Ref: VIT 5/10 R2 B1	
Location: Ho Chi Minh City, Vietnam	Topotype: ME-SA
Date collected: 14/10/2010	Genotype/strain: PanAsia
Date received by WRLFMD: 28/07/2011	Sequence filename: VIT10-19.SEQ
Date received for sequencing: 05/08/2011	Date sequence last updated: 09/08/2011
Species: Cattle	No. of Nt determined: 639
Material used: LK2 BHK1 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/VIT/9/2010	VIT10-09	639	639	0	100.00	0.00	ME-SA	PanAsia
2	O/VIT/7/2010	VIT10-07	639	637	0	99.69	0.31	ME-SA	PanAsia
3	O/VIT/8/2010	VIT10-08	639	637	0	99.69	0.31	ME-SA	PanAsia
4	O/CAM/2/2010	CAM10-02	639	636	0	99.53	0.47	ME-SA	PanAsia
5	O/CAM/4/2010	CAM10-04	639	636	0	99.53	0.47	ME-SA	PanAsia
6	O/CAM/5/2010	CAM10-05	639	636	0	99.53	0.47	ME-SA	PanAsia
7	O/CAM/8/2010	CAM10-08	639	636	0	99.53	0.47	ME-SA	PanAsia
8	O/VIT/10/2010	VIT10-10	639	636	0	99.53	0.47	ME-SA	PanAsia
9	O/VIT/11/2010	VIT10-11	639	636	0	99.53	0.47	ME-SA	PanAsia
10	O/VIT/13/2010	VIT10-13	639	636	0	99.53	0.47	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	599	0	93.74	6.26	ME-SA	PanAsia
2	O/KUW/3/97 (DQ164904)	KUW97-03	639	587	0	91.86	8.14	ME-SA	Ind-2001a
3	O/IRN/31/2009	IRN09-31	639	584	0	91.39	8.61	ME-SA	PanAsia-2 ^{FAR-09}
4	O/IRN/8/2005	IRN05-08	639	584	0	91.39	8.61	ME-SA	PanAsia-2
5	O/IRN/18/2010	IRN10-18	639	583	0	91.24	8.76	ME-SA	PanAsia-2 ^{BAL-09}
6	O/OMN/7/2001 (DQ164941)	OMN01-07	639	581	0	90.92	9.08	ME-SA	Ind-2001b
7	O/BHU/3/2009	BHU09-03	639	579	0	90.61	9.39	ME-SA	Ind-2001d
8	O/UAE/4/2008	UAE08-04	636	575	0	90.41	9.59	ME-SA	Ind-2001c
9	O/IRN/88/2009	IRN09-88	639	577	0	90.30	9.70	ME-SA	PanAsia-2 ^{ANT-10}
10	O/PAK/16/2010	PAK10-16	639	577	0	90.30	9.70	ME-SA	PanAsia-2 ^{PUN-10}

nt, nucleotides

*, not a WRLFMD reference number

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Serotype: O	Report date: 25/08/2011
WRLFMD Ref No: VIT/20/2010	Reported by: N.J. Knowles
Batch No: WRLFMD/2011/00034	Checked by: D.P. King
Sender Ref: VIT 15/10 R2 B1	
Location: Lao Cai, Vietnam	Topotype: ME-SA
Date collected: 05/11/2010	Genotype/strain: PanAsia
Date received by WRLFMD: 28/07/2011	Sequence filename: VIT10-20.SEQ
Date received for sequencing: 05/08/2011	Date sequence last updated: 10/08/2011
Species: Buffalo	No. of Nt determined: 639
Material used: LK2 BHK1 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/VIT/21/2010	VIT10-21	639	639	0	100.00	0.00	ME-SA	PanAsia
2	O/VIT/23/2010	VIT10-23	639	639	0	100.00	0.00	ME-SA	PanAsia
3	O/LAO/1/2011	LAO11-01	639	637	0	99.69	0.31	ME-SA	PanAsia
4	O/LAO/2/2011	LAO11-02	639	637	0	99.69	0.31	ME-SA	PanAsia
5	O/VIT/7/2010	VIT10-07	639	637	0	99.69	0.31	ME-SA	PanAsia
6	O/VIT/8/2010	VIT10-08	639	637	0	99.69	0.31	ME-SA	PanAsia
7	O/CAM/2/2010	CAM10-02	639	636	0	99.53	0.47	ME-SA	PanAsia
8	O/CAM/4/2010	CAM10-04	639	636	0	99.53	0.47	ME-SA	PanAsia
9	O/CAM/5/2010	CAM10-05	639	636	0	99.53	0.47	ME-SA	PanAsia
10	O/CAM/8/2010	CAM10-08	639	636	0	99.53	0.47	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	599	0	93.74	6.26	ME-SA	PanAsia
2	O/IRN/8/2005	IRN05-08	639	586	0	91.71	8.29	ME-SA	PanAsia-2
3	O/KUW/3/97 (DQ164904)	KUW97-03	639	585	0	91.55	8.45	ME-SA	Ind-2001a
4	O/IRN/31/2009	IRN09-31	639	584	0	91.39	8.61	ME-SA	PanAsia-2 ^{FAR-09}
5	O/IRN/18/2010	IRN10-18	639	583	0	91.24	8.76	ME-SA	PanAsia-2 ^{BAL-09}
6	O/OMN/7/2001 (DQ164941)	OMN01-07	639	579	0	90.61	9.39	ME-SA	Ind-2001b
7	O/PAK/16/2010	PAK10-16	639	579	0	90.61	9.39	ME-SA	PanAsia-2 ^{PUN-10}
8	O/BHU/3/2009	BHU09-03	639	577	0	90.30	9.70	ME-SA	Ind-2001d
9	O/IRN/88/2009	IRN09-88	639	577	0	90.30	9.70	ME-SA	PanAsia-2 ^{ANT-10}
10	O/TUR/257/2008* (FMDI)	TUR08-AD	639	577	0	90.30	9.70	ME-SA	PanAsia-2 ^{TER-08}

nt, nucleotides

*, not a WRLFMD reference number

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FAO World Reference Laboratory for FMD Genotyping Report

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Serotype: O	Report date: 25/08/2011
WRLFMD Ref No: VIT/21/2010	Reported by: N.J. Knowles
Batch No: WRLFMD/2011/00034	Checked by: D.P. King
Sender Ref: VIT 16/10 R2 B1	
Location: Lao Cai, Vietnam	Topotype: ME-SA
Date collected: 12/11/2010	Genotype/strain: PanAsia
Date received by WRLFMD: 28/07/2011	Sequence filename: VIT10-21.SEQ
Date received for sequencing: 05/08/2011	Date sequence last updated: 18/08/2011
Species: Pig	No. of Nt determined: 639
Material used: LK2 BHK1 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/VIT/20/2010	VIT10-20	639	639	0	100.00	0.00	ME-SA	PanAsia
2	O/VIT/23/2010	VIT10-23	639	639	0	100.00	0.00	ME-SA	PanAsia
3	O/LAO/1/2011	LAO11-01	639	637	0	99.69	0.31	ME-SA	PanAsia
4	O/LAO/2/2011	LAO11-02	639	637	0	99.69	0.31	ME-SA	PanAsia
5	O/VIT/7/2010	VIT10-07	639	637	0	99.69	0.31	ME-SA	PanAsia
6	O/VIT/8/2010	VIT10-08	639	637	0	99.69	0.31	ME-SA	PanAsia
7	O/CAM/2/2010	CAM10-02	639	636	0	99.53	0.47	ME-SA	PanAsia
8	O/CAM/4/2010	CAM10-04	639	636	0	99.53	0.47	ME-SA	PanAsia
9	O/CAM/5/2010	CAM10-05	639	636	0	99.53	0.47	ME-SA	PanAsia
10	O/CAM/8/2010	CAM10-08	639	636	0	99.53	0.47	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	599	0	93.74	6.26	ME-SA	PanAsia
2	O/IRN/8/2005	IRN05-08	639	586	0	91.71	8.29	ME-SA	PanAsia-2
3	O/KUW/3/97 (DQ164904)	KUW97-03	639	585	0	91.55	8.45	ME-SA	Ind-2001a
4	O/IRN/31/2009	IRN09-31	639	584	0	91.39	8.61	ME-SA	PanAsia-2 ^{FAR-09}
5	O/IRN/18/2010	IRN10-18	639	583	0	91.24	8.76	ME-SA	PanAsia-2 ^{BAL-09}
6	O/OMN/7/2001 (DQ164941)	OMN01-07	639	579	0	90.61	9.39	ME-SA	Ind-2001b
7	O/PAK/16/2010	PAK10-16	639	579	0	90.61	9.39	ME-SA	PanAsia-2 ^{PUN-10}
8	O/BHU/3/2009	BHU09-03	639	577	0	90.30	9.70	ME-SA	Ind-2001d
9	O/IRN/88/2009	IRN09-88	639	577	0	90.30	9.70	ME-SA	PanAsia-2 ^{ANT-10}
10	O/TUR/257/2008* (FMDI)	TUR08-AD	639	577	0	90.30	9.70	ME-SA	PanAsia-2 ^{TER-08}

nt, nucleotides

*, not a WRLFMD reference number

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FAO World Reference Laboratory for FMD Genotyping Report

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Serotype: O	Report date: 25/08/2011
WRLFMD Ref No: VIT/22/2010	Reported by: N.J. Knowles
Batch No: WRLFMD/2011/00034	Checked by: D.P. King
Sender Ref: VIT 6/10 R2 B1	
Location: Phu Yen, Vietnam	Topotype: ME-SA
Date collected: 18/11/2010	Genotype/strain: PanAsia
Date received by WRLFMD: 28/07/2011	Sequence filename: VIT10-22.SEQ
Date received for sequencing: 05/08/2011	Date sequence last updated: 10/08/2011
Species: Cattle	No. of Nt determined: 639
Material used: LK2 BHK1 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/VIT/10/2010	VIT10-10	639	638	0	99.84	0.16	ME-SA	PanAsia
2	O/VIT/11/2010	VIT10-11	639	638	0	99.84	0.16	ME-SA	PanAsia
3	O/VIT/1/2011	VIT11-01	639	637	0	99.69	0.31	ME-SA	PanAsia
4	O/VIT/15/2010	VIT10-15	639	637	0	99.69	0.31	ME-SA	PanAsia
5	O/VIT/7/2010	VIT10-07	639	637	0	99.69	0.31	ME-SA	PanAsia
6	O/VIT/8/2010	VIT10-08	639	637	0	99.69	0.31	ME-SA	PanAsia
7	O/CAM/2/2010	CAM10-02	639	636	0	99.53	0.47	ME-SA	PanAsia
8	O/CAM/4/2010	CAM10-04	639	636	0	99.53	0.47	ME-SA	PanAsia
9	O/CAM/5/2010	CAM10-05	639	636	0	99.53	0.47	ME-SA	PanAsia
10	O/CAM/8/2010	CAM10-08	639	636	0	99.53	0.47	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	601	0	94.05	5.95	ME-SA	PanAsia
2	O/KUW/3/97 (DQ164904)	KUW97-03	639	589	0	92.18	7.82	ME-SA	Ind-2001a
3	O/IRN/31/2009	IRN09-31	639	586	0	91.71	8.29	ME-SA	PanAsia-2 ^{FAR-09}
4	O/IRN/8/2005	IRN05-08	639	586	0	91.71	8.29	ME-SA	PanAsia-2
5	O/IRN/18/2010	IRN10-18	639	583	0	91.24	8.76	ME-SA	PanAsia-2 ^{BAL-09}
6	O/OMN/7/2001 (DQ164941)	OMN01-07	639	583	0	91.24	8.76	ME-SA	Ind-2001b
7	O/BHU/3/2009	BHU09-03	639	581	0	90.92	9.08	ME-SA	Ind-2001d
8	O/PAK/16/2010	PAK10-16	639	578	0	90.45	9.55	ME-SA	PanAsia-2 ^{PUN-10}
9	O/TUR/257/2008* (FMDI)	TUR08-AD	639	577	0	90.30	9.70	ME-SA	PanAsia-2 ^{TER-08}
10	O/UAE/4/2008	UAE08-04	636	574	0	90.25	9.75	ME-SA	Ind-2001c

nt, nucleotides

*, not a WRLFMD reference number

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FAO World Reference Laboratory for FMD Genotyping Report

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Serotype: O	Report date: 25/08/2011
WRLFMD Ref No: VIT/23/2010	Reported by: N.J. Knowles
Batch No: WRLFMD/2011/00034	Checked by: D.P. King
Sender Ref: VIT 19/10 R2 B1	
Location: Son La, Vietnam	Topotype: ME-SA
Date collected: 22/11/2010	Genotype/strain: PanAsia
Date received by WRLFMD: 28/07/2011	Sequence filename: VIT10-23.SEQ
Date received for sequencing: 05/08/2011	Date sequence last updated: 10/08/2011
Species: Pig	No. of Nt determined: 639
Material used: LK2 BHK1 RS1	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/VIT/20/2010	VIT10-20	639	639	0	100.00	0.00	ME-SA	PanAsia
2	O/VIT/21/2010	VIT10-21	639	639	0	100.00	0.00	ME-SA	PanAsia
3	O/LAO/1/2011	LAO11-01	639	637	0	99.69	0.31	ME-SA	PanAsia
4	O/LAO/2/2011	LAO11-02	639	637	0	99.69	0.31	ME-SA	PanAsia
5	O/VIT/7/2010	VIT10-07	639	637	0	99.69	0.31	ME-SA	PanAsia
6	O/VIT/8/2010	VIT10-08	639	637	0	99.69	0.31	ME-SA	PanAsia
7	O/CAM/2/2010	CAM10-02	639	636	0	99.53	0.47	ME-SA	PanAsia
8	O/CAM/4/2010	CAM10-04	639	636	0	99.53	0.47	ME-SA	PanAsia
9	O/CAM/5/2010	CAM10-05	639	636	0	99.53	0.47	ME-SA	PanAsia
10	O/CAM/8/2010	CAM10-08	639	636	0	99.53	0.47	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	599	0	93.74	6.26	ME-SA	PanAsia
2	O/IRN/8/2005	IRN05-08	639	586	0	91.71	8.29	ME-SA	PanAsia-2
3	O/KUW/3/97 (DQ164904)	KUW97-03	639	585	0	91.55	8.45	ME-SA	Ind-2001a
4	O/IRN/31/2009	IRN09-31	639	584	0	91.39	8.61	ME-SA	PanAsia-2 ^{FAR-09}
5	O/IRN/18/2010	IRN10-18	639	583	0	91.24	8.76	ME-SA	PanAsia-2 ^{BAL-09}
6	O/OMN/7/2001 (DQ164941)	OMN01-07	639	579	0	90.61	9.39	ME-SA	Ind-2001b
7	O/PAK/16/2010	PAK10-16	639	579	0	90.61	9.39	ME-SA	PanAsia-2 ^{PUN-10}
8	O/BHU/3/2009	BHU09-03	639	577	0	90.30	9.70	ME-SA	Ind-2001d
9	O/IRN/88/2009	IRN09-88	639	577	0	90.30	9.70	ME-SA	PanAsia-2 ^{ANT-10}
10	O/TUR/257/2008* (FMDI)	TUR08-AD	639	577	0	90.30	9.70	ME-SA	PanAsia-2 ^{TER-08}

nt, nucleotides

*, not a WRLFMD reference number

Assembled with Report Generator v4.1

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Report on FMDV O in Vietnam in 2010

Batch: WRLFMD/2011/00034

◆ indicates viruses in this batch

Software: MEGA 5.0

Analysis

Analysis ----- Phylogeny Reconstruction

Scope ----- All Selected Taxa

Statistical Method ----- Neighbor-joining

Phylogeny Test

Test of Phylogeny ----- Bootstrap method

No. of Bootstrap Replications ----- 1000

Substitution Model

Substitutions Type ----- Nucleotide

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

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

Rates and Patterns

Rates among Sites ----- Uniform rates

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

Data Subset to Use

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

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

No. of Sites : 642

No Of Bootstrap Reps = 1000

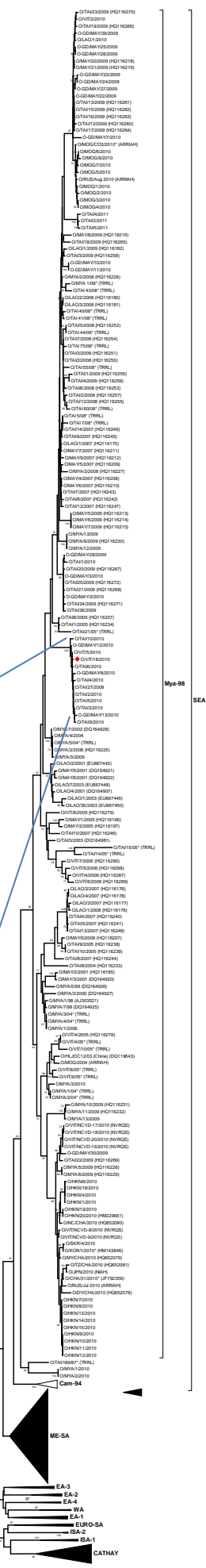
Only bootstrap values of 70% and above are shown

*, not a WRLFMD Ref. No.

N.J. Knowles & J. Wadsworth, 26 August 2011

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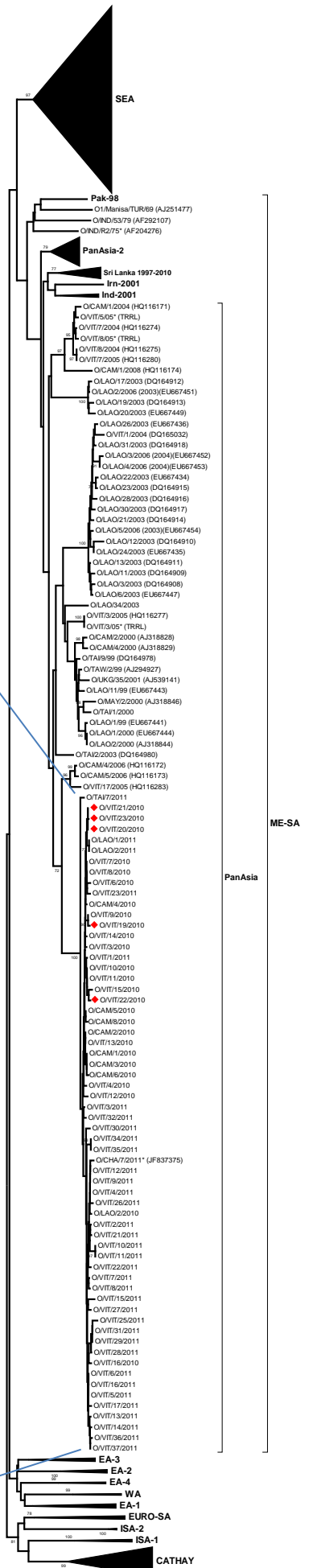
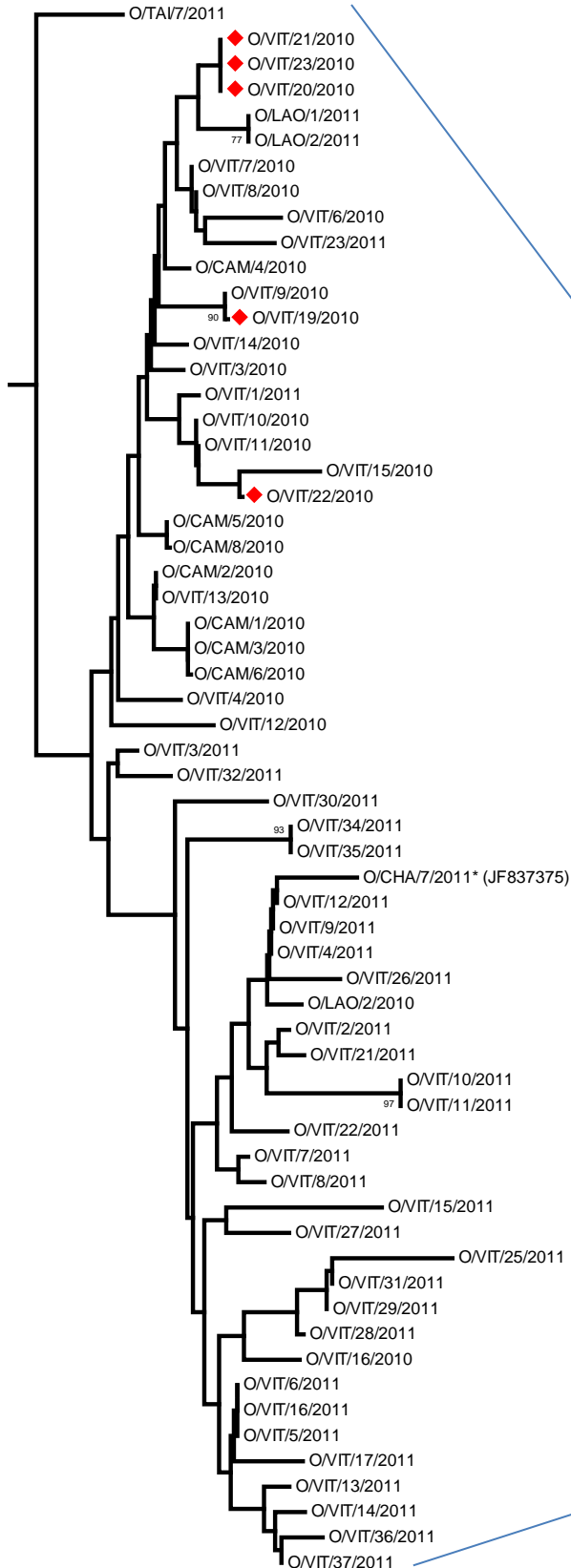


Mya-98
SEA

Report on FMDV O in Vietnam in 2010

Batch: WRLFMD/2011/00034

◆ indicates viruses in this batch



0.001

0.001