

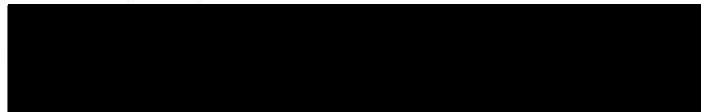


INSTITUTE FOR ANIMAL HEALTH
Director: Professor John Fazakerley BSc, MBA, PhD, FRCPath
PIRBRIGHT LABORATORY
Ash Road,
Pirbright,
Surrey,
GU24 0NF
Intn Tel: 00 44 1483 232441
Tel: 01483 232441 Fax: 01483 232621

FMD Genotyping Report

Lab Reference WRL Batch Number: WRLFMD/2011/00039

Sender Details:



Date Received: 15th September 2011

Country of Origin: Hong Kong SAR

Date Reported: 28th September 2011

Dear Dr. Elaine Francis Lee,

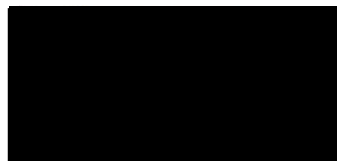
Sequencing work has now been completed in respect of the samples you submitted and the details are as attached. Please note that all of our phylogenetic trees can be accessed via the internet at:

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

Results Approved By:



Official Stamp:



Date: 28/9/11



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 September 2011

FMDV type O

Country: Hong Kong SAR

Period: 2011

No. of samples: 5

BATCH: WRLFMD/2011/00039



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FAO World Reference Laboratory for FMD Genotyping Report

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| | |
|--|--|
| Serotype: O WRLFMD Ref No: HKN/3/2011 Batch No: WRLFMD/2011/00039 Sender Ref: FMD 02/11 11-02267 (1) Location: not given, Hong Kong Date collected: 24/08/2011 Date received by WRLFMD: 15/09/2011 Date received for sequencing: 21/09/2011 Species: Pig Material used: OS Region sequenced: VP1 RT-PCR primers: O-1C244F/EUR-2B52R O-1C272F/EUR-2B52R | Report date: 26/09/2011 Reported by: N.J. Knowles Checked by: D.P. King Topotype: CATHAY Genotype/strain: unnamed Sequence filename: HKN11-03.SEQ Date sequence last updated: 22/09/2011 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 3124 Min. no. of nt for comparison: 600 Total turn-around time: 11 days Sequencing time: 5 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/5/2011 | HKN11-05 | 639 | 637 | 0 | 99.69 | 0.31 | CATHAY | unnamed |
| 2 | O/HKN/6/2011 | HKN11-06 | 639 | 637 | 0 | 99.69 | 0.31 | CATHAY | unnamed |
| 3 | O/HKN/7/2011 | HKN11-07 | 639 | 637 | 0 | 99.69 | 0.31 | CATHAY | unnamed |
| 4 | O/HKN/4/2011 | HKN11-04 | 639 | 636 | 0 | 99.53 | 0.47 | CATHAY | unnamed |
| 5 | O/HKN/26/2010 | HKN10-26 | 639 | 628 | 0 | 98.28 | 1.72 | CATHAY | Unnamed |
| 6 | O/HKN/3/2008 | HKN08-03 | 639 | 618 | 0 | 96.71 | 3.29 | CATHAY | unnamed |
| 7 | O/HKN/1/2008 | HKN08-01 | 639 | 615 | 0 | 96.24 | 3.76 | CATHAY | unnamed |
| 8 | O/HKN/2/2008 | HKN08-02 | 639 | 615 | 0 | 96.24 | 3.76 | CATHAY | unnamed |
| 9 | O/HKN/1/2009 | HKN09-01 | 639 | 612 | 0 | 95.77 | 4.23 | CATHAY | unnamed |
| 10 | O/HKN/2/2009 | HKN09-02 | 639 | 612 | 0 | 95.77 | 4.23 | CATHAY | 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/Yunlin/TAW/97 (AF308157) | TAW97--B | 639 | 569 | 0 | 89.05 | 10.95 | CATHAY | unnamed |
| 2 | O/PHI/7/96 (AJ294926) | PHI96-07 | 639 | 567 | 0 | 88.73 | 11.27 | CATHAY | unnamed |
| 3 | O/HKN/6/83 (AJ294919) | HKN83-06 | 637 | 549 | 2 | 86.19 | 13.81 | CATHAY | unnamed |
| 4 | O/HKN/21/70 (AJ294911) | HKN70A21 | 637 | 525 | 2 | 82.42 | 17.58 | CATHAY | unnamed |
| 5 | O/UGA/17/98 (HM211075) | UGA98-17 | 639 | 510 | 0 | 79.81 | 20.19 | EA-4 | unnamed |
| 6 | O/IND/53/79 (AF292107) | IND79A53 | 639 | 509 | 0 | 79.66 | 20.34 | ME-SA | unnamed |
| 7 | O1/Manisa/TUR/69 (AY593823) | TUR69--G | 639 | 508 | 0 | 79.50 | 20.50 | ME-SA | unnamed |
| 8 | O/IRN/61/2001 (DQ164896) | IRN01-61 | 638 | 507 | 1 | 79.47 | 20.53 | ME-SA | Irn-2001 |
| 9 | O/TAN/2/2004 | TAN04-02 | 639 | 506 | 0 | 79.19 | 20.81 | EA-2 | unnamed |
| 10 | O/MAL/1/98 (DQ165074) | MAL98-01 | 639 | 505 | 0 | 79.03 | 20.97 | EA-2 | unnamed |

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: 26/09/2011 |
| WRLFMD Ref No: HKN/4/2011 | Reported by: N.J. Knowles |
| Batch No: WRLFMD/2011/00039 | Checked by: D.P. King |
| Sender Ref: FMD 02/11 11-02267 (2) | |
| Location: not given, Hong Kong | Topotype: CATHAY |
| Date collected: 24/08/2011 | Genotype/strain: unnamed |
| Date received by WRLFMD: 15/09/2011 | Sequence filename: HKN11-04.SEQ |
| Date received for sequencing: 21/09/2011 | Date sequence last updated: 22/09/2011 |
| Species: Pig | 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: 3124 |
| O-1C272F/EUR-2B52R | Min. no. of nt for comparison: 600 |
| | Total turn-around time: 11 days |
| | Sequencing time: 5 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/3/2011 | HKN11-03 | 639 | 636 | 0 | 99.53 | 0.47 | CATHAY | unnamed |
| 2 | O/HKN/5/2011 | HKN11-05 | 639 | 636 | 0 | 99.53 | 0.47 | CATHAY | unnamed |
| 3 | O/HKN/6/2011 | HKN11-06 | 639 | 636 | 0 | 99.53 | 0.47 | CATHAY | unnamed |
| 4 | O/HKN/7/2011 | HKN11-07 | 639 | 636 | 0 | 99.53 | 0.47 | CATHAY | unnamed |
| 5 | O/HKN/26/2010 | HKN10-26 | 639 | 627 | 0 | 98.12 | 1.88 | CATHAY | Unnamed |
| 6 | O/HKN/3/2008 | HKN08-03 | 639 | 617 | 0 | 96.56 | 3.44 | CATHAY | unnamed |
| 7 | O/HKN/1/2008 | HKN08-01 | 639 | 614 | 0 | 96.09 | 3.91 | CATHAY | unnamed |
| 8 | O/HKN/2/2008 | HKN08-02 | 639 | 614 | 0 | 96.09 | 3.91 | CATHAY | unnamed |
| 9 | O/HKN/1/2009 | HKN09-01 | 639 | 611 | 0 | 95.62 | 4.38 | CATHAY | unnamed |
| 10 | O/HKN/2/2009 | HKN09-02 | 639 | 611 | 0 | 95.62 | 4.38 | CATHAY | 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/Yunlin/TAW/97 (AF308157) | TAW97--B | 639 | 572 | 0 | 89.51 | 10.49 | CATHAY | unnamed |
| 2 | O/PHI/7/96 (AJ294926) | PHI96-07 | 639 | 570 | 0 | 89.20 | 10.80 | CATHAY | unnamed |
| 3 | O/HKN/6/83 (AJ294919) | HKN83-06 | 637 | 552 | 2 | 86.66 | 13.34 | CATHAY | unnamed |
| 4 | O/HKN/21/70 (AJ294911) | HKN70A21 | 637 | 528 | 2 | 82.89 | 17.11 | CATHAY | unnamed |
| 5 | O/UGA/17/98 (HM211075) | UGA98-17 | 639 | 513 | 0 | 80.28 | 19.72 | EA-4 | unnamed |
| 6 | O/IND/53/79 (AF292107) | IND79A53 | 639 | 512 | 0 | 80.13 | 19.87 | ME-SA | unnamed |
| 7 | O1/Manisa/TUR/69 (AY593823) | TUR69--G | 639 | 511 | 0 | 79.97 | 20.03 | ME-SA | unnamed |
| 8 | O/IRN/61/2001 (DQ164896) | IRN01-61 | 638 | 510 | 1 | 79.94 | 20.06 | ME-SA | Irn-2001 |
| 9 | O/TAN/2/2004 | TAN04-02 | 639 | 509 | 0 | 79.66 | 20.34 | EA-2 | unnamed |
| 10 | O/MAL/1/98 (DQ165074) | MAL98-01 | 639 | 508 | 0 | 79.50 | 20.50 | EA-2 | unnamed |

nt, nucleotides

*, not a WRLFMD reference number

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|---|--|
| Serotype: O WRLFMD Ref No: HKN/5/2011 Batch No: WRLFMD/2011/00039 Sender Ref: FMD 02/11 11-02267 (3) Location: not given, Hong Kong Date collected: 24/08/2011 Date received by WRLFMD: 15/09/2011 Date received for sequencing: 21/09/2011 Species: Pig Material used: RS1 Region sequenced: VP1 RT-PCR primers: O-1C244F/EUR-2B52R O-1C272F/EUR-2B52R | Report date: 26/09/2011 Reported by: N.J. Knowles Checked by: D.P. King Topotype: CATHAY Genotype/strain: unnamed Sequence filename: HKN11-05.SEQ Date sequence last updated: 22/09/2011 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 3124 Min. no. of nt for comparison: 600 Total turn-around time: 11 days Sequencing time: 5 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/7/2011 | HKN11-07 | 639 | 639 | 0 | 100.00 | 0.00 | CATHAY | unnamed |
| 2 | O/HKN/3/2011 | HKN11-03 | 639 | 637 | 0 | 99.69 | 0.31 | CATHAY | unnamed |
| 3 | O/HKN/6/2011 | HKN11-06 | 639 | 637 | 0 | 99.69 | 0.31 | CATHAY | unnamed |
| 4 | O/HKN/4/2011 | HKN11-04 | 639 | 636 | 0 | 99.53 | 0.47 | CATHAY | unnamed |
| 5 | O/HKN/26/2010 | HKN10-26 | 639 | 628 | 0 | 98.28 | 1.72 | CATHAY | Unnamed |
| 6 | O/HKN/3/2008 | HKN08-03 | 639 | 618 | 0 | 96.71 | 3.29 | CATHAY | unnamed |
| 7 | O/HKN/1/2008 | HKN08-01 | 639 | 615 | 0 | 96.24 | 3.76 | CATHAY | unnamed |
| 8 | O/HKN/2/2008 | HKN08-02 | 639 | 615 | 0 | 96.24 | 3.76 | CATHAY | unnamed |
| 9 | O/HKN/1/2009 | HKN09-01 | 639 | 612 | 0 | 95.77 | 4.23 | CATHAY | unnamed |
| 10 | O/HKN/2/2009 | HKN09-02 | 639 | 612 | 0 | 95.77 | 4.23 | CATHAY | 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/PHI/7/96 (AJ294926) | PHI96-07 | 639 | 569 | 0 | 89.05 | 10.95 | CATHAY | unnamed |
| 2 | O/Yunlin/TAW/97 (AF308157) | TAW97--B | 639 | 569 | 0 | 89.05 | 10.95 | CATHAY | unnamed |
| 3 | O/HKN/6/83 (AJ294919) | HKN83-06 | 637 | 550 | 2 | 86.34 | 13.66 | CATHAY | unnamed |
| 4 | O/HKN/21/70 (AJ294911) | HKN70A21 | 637 | 525 | 2 | 82.42 | 17.58 | CATHAY | unnamed |
| 5 | O/IND/53/79 (AF292107) | IND79A53 | 639 | 511 | 0 | 79.97 | 20.03 | ME-SA | unnamed |
| 6 | O/UGA/17/98 (HM211075) | UGA98-17 | 639 | 510 | 0 | 79.81 | 20.19 | EA-4 | unnamed |
| 7 | O/IRN/61/2001 (DQ164896) | IRN01-61 | 638 | 509 | 1 | 79.78 | 20.22 | ME-SA | Irn-2001 |
| 8 | O1/Manisa/TUR/69 (AY593823) | TUR69--G | 639 | 508 | 0 | 79.50 | 20.50 | ME-SA | unnamed |
| 9 | O/ETH/1/2007 (FJ798137) | ETH07-01 | 639 | 506 | 0 | 79.19 | 20.81 | EA-3 | unnamed |
| 10 | O/TAN/2/2004 | TAN04-02 | 639 | 506 | 0 | 79.19 | 20.81 | EA-2 | unnamed |

nt, nucleotides

*, not a WRLFMD reference number

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| | |
|---|--|
| Serotype: O WRLFMD Ref No: HKN/6/2011 Batch No: WRLFMD/2011/00039 Sender Ref: FMD 02/11 11-02267 (4) Location: not given, Hong Kong Date collected: 24/08/2011 Date received by WRLFMD: 15/09/2011 Date received for sequencing: 21/09/2011 Species: Pig Material used: RS1 Region sequenced: VP1 RT-PCR primers: O-1C244F/EUR-2B52R O-1C272F/EUR-2B52R | Report date: 26/09/2011 Reported by: N.J. Knowles Checked by: D.P. King Topotype: CATHAY Genotype/strain: unnamed Sequence filename: HKN11-06.SEQ Date sequence last updated: 22/09/2011 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 3124 Min. no. of nt for comparison: 600 Total turn-around time: 11 days Sequencing time: 5 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/3/2011 | HKN11-03 | 639 | 637 | 0 | 99.69 | 0.31 | CATHAY | unnamed |
| 2 | O/HKN/5/2011 | HKN11-05 | 639 | 637 | 0 | 99.69 | 0.31 | CATHAY | unnamed |
| 3 | O/HKN/7/2011 | HKN11-07 | 639 | 637 | 0 | 99.69 | 0.31 | CATHAY | unnamed |
| 4 | O/HKN/4/2011 | HKN11-04 | 639 | 636 | 0 | 99.53 | 0.47 | CATHAY | unnamed |
| 5 | O/HKN/26/2010 | HKN10-26 | 639 | 630 | 0 | 98.59 | 1.41 | CATHAY | Unnamed |
| 6 | O/HKN/3/2008 | HKN08-03 | 639 | 620 | 0 | 97.03 | 2.97 | CATHAY | unnamed |
| 7 | O/HKN/1/2008 | HKN08-01 | 639 | 617 | 0 | 96.56 | 3.44 | CATHAY | unnamed |
| 8 | O/HKN/2/2008 | HKN08-02 | 639 | 617 | 0 | 96.56 | 3.44 | CATHAY | unnamed |
| 9 | O/HKN/1/2009 | HKN09-01 | 639 | 614 | 0 | 96.09 | 3.91 | CATHAY | unnamed |
| 10 | O/HKN/2/2009 | HKN09-02 | 639 | 614 | 0 | 96.09 | 3.91 | CATHAY | 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/Yunlin/TAW/97 (AF308157) | TAW97--B | 639 | 569 | 0 | 89.05 | 10.95 | CATHAY | unnamed |
| 2 | O/PHI/7/96 (AJ294926) | PHI96-07 | 639 | 567 | 0 | 88.73 | 11.27 | CATHAY | unnamed |
| 3 | O/HKN/6/83 (AJ294919) | HKN83-06 | 637 | 549 | 2 | 86.19 | 13.81 | CATHAY | unnamed |
| 4 | O/HKN/21/70 (AJ294911) | HKN70A21 | 637 | 525 | 2 | 82.42 | 17.58 | CATHAY | unnamed |
| 5 | O/IND/53/79 (AF292107) | IND79A53 | 639 | 511 | 0 | 79.97 | 20.03 | ME-SA | unnamed |
| 6 | O/UGA/17/98 (HM211075) | UGA98-17 | 639 | 510 | 0 | 79.81 | 20.19 | EA-4 | unnamed |
| 7 | O1/Manisa/TUR/69 (AY593823) | TUR69--G | 639 | 508 | 0 | 79.50 | 20.50 | ME-SA | unnamed |
| 8 | O/IRN/61/2001 (DQ164896) | IRN01-61 | 638 | 507 | 1 | 79.47 | 20.53 | ME-SA | Irn-2001 |
| 9 | O/ETH/1/2007 (FJ798137) | ETH07-01 | 639 | 506 | 0 | 79.19 | 20.81 | EA-3 | unnamed |
| 10 | O/TAN/2/2004 | TAN04-02 | 639 | 506 | 0 | 79.19 | 20.81 | EA-2 | unnamed |

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 WRLFMD Ref No: HKN/7/2011 Batch No: WRLFMD/2011/00039 Sender Ref: FMD 02/11 11-02267 (5) Location: not given, Hong Kong Date collected: 24/08/2011 Date received by WRLFMD: 15/09/2011 Date received for sequencing: 21/09/2011 Species: Pig Material used: OS Region sequenced: VP1 RT-PCR primers: O-1C244F/EUR-2B52R O-1C272F/EUR-2B52R | Report date: 26/09/2011 Reported by: N.J. Knowles Checked by: D.P. King Topotype: CATHAY Genotype/strain: unnamed Sequence filename: HKN11-07.SEQ Date sequence last updated: 26/09/2011 No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639 Total no. of comparisons: 3124 Min. no. of nt for comparison: 600 Total turn-around time: 11 days Sequencing time: 5 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/5/2011 | HKN11-05 | 639 | 639 | 0 | 100.00 | 0.00 | CATHAY | unnamed |
| 2 | O/HKN/3/2011 | HKN11-03 | 639 | 637 | 0 | 99.69 | 0.31 | CATHAY | unnamed |
| 3 | O/HKN/6/2011 | HKN11-06 | 639 | 637 | 0 | 99.69 | 0.31 | CATHAY | unnamed |
| 4 | O/HKN/4/2011 | HKN11-04 | 639 | 636 | 0 | 99.53 | 0.47 | CATHAY | unnamed |
| 5 | O/HKN/26/2010 | HKN10-26 | 639 | 628 | 0 | 98.28 | 1.72 | CATHAY | Unnamed |
| 6 | O/HKN/3/2008 | HKN08-03 | 639 | 618 | 0 | 96.71 | 3.29 | CATHAY | unnamed |
| 7 | O/HKN/1/2008 | HKN08-01 | 639 | 615 | 0 | 96.24 | 3.76 | CATHAY | unnamed |
| 8 | O/HKN/2/2008 | HKN08-02 | 639 | 615 | 0 | 96.24 | 3.76 | CATHAY | unnamed |
| 9 | O/HKN/1/2009 | HKN09-01 | 639 | 612 | 0 | 95.77 | 4.23 | CATHAY | unnamed |
| 10 | O/HKN/2/2009 | HKN09-02 | 639 | 612 | 0 | 95.77 | 4.23 | CATHAY | 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/PHI/7/96 (AJ294926) | PHI96-07 | 639 | 569 | 0 | 89.05 | 10.95 | CATHAY | unnamed |
| 2 | O/Yunlin/TAW/97 (AF308157) | TAW97--B | 639 | 569 | 0 | 89.05 | 10.95 | CATHAY | unnamed |
| 3 | O/HKN/6/83 (AJ294919) | HKN83-06 | 637 | 550 | 2 | 86.34 | 13.66 | CATHAY | unnamed |
| 4 | O/HKN/21/70 (AJ294911) | HKN70A21 | 637 | 525 | 2 | 82.42 | 17.58 | CATHAY | unnamed |
| 5 | O/IND/53/79 (AF292107) | IND79A53 | 639 | 511 | 0 | 79.97 | 20.03 | ME-SA | unnamed |
| 6 | O/UGA/17/98 (HM211075) | UGA98-17 | 639 | 510 | 0 | 79.81 | 20.19 | EA-4 | unnamed |
| 7 | O/IRN/61/2001 (DQ164896) | IRN01-61 | 638 | 509 | 1 | 79.78 | 20.22 | ME-SA | Irn-2001 |
| 8 | O1/Manisa/TUR/69 (AY593823) | TUR69--G | 639 | 508 | 0 | 79.50 | 20.50 | ME-SA | unnamed |
| 9 | O/ETH/1/2007 (FJ798137) | ETH07-01 | 639 | 506 | 0 | 79.19 | 20.81 | EA-3 | unnamed |
| 10 | O/TAN/2/2004 | TAN04-02 | 639 | 506 | 0 | 79.19 | 20.81 | EA-2 | unnamed |

nt, nucleotides

*, not a WRLFMD reference number

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Report on FMDV O in Hong Kong SAR in 2011

Batch: WRLFMD/2011/00039

◆ 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

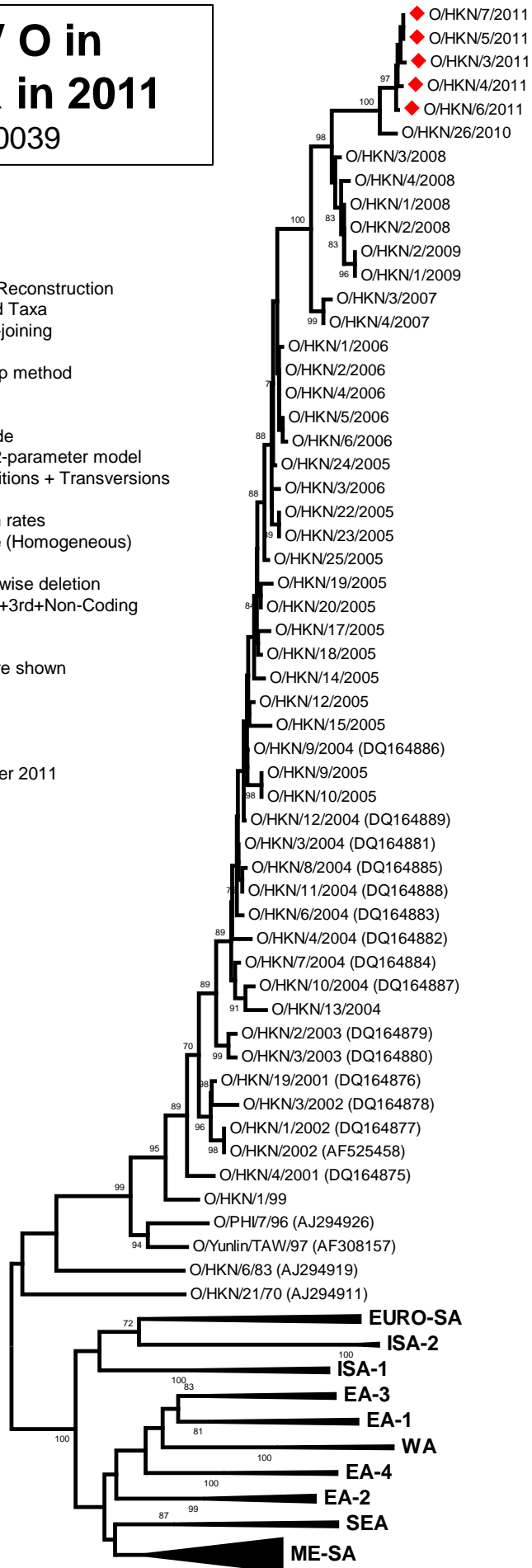
Only bootstrap values of 70% and above are shown

*, not a WRLFMD Ref. No.

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

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CATHAY

0.02