



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

FMD Sequencing Report

Lab Reference WRL Batch Number: WRLFMD/2009/00051

Sender Details:

Date Received: 6th November 2009

Country of Origin: Kenya

Date Reported: 27th November 2009

Dear Dr. J M Mosabi,

Re.: O Results

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/>

Re:

Official Stamp:

Date:

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.byrom@bbsrc.ac.uk)

Molecular Epidemiology Report Form

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Serotype: O WRL Ref No: KEN/62/2009 Sender Ref: AY 3 Date collected: 01/07/2009 Date received by WRLFMD: 06/11/2009 Date received for sequencing: 18/11/2009 Species: Cattle Material used: BTy1 Region sequenced: VP1 RT-PCR primers: O-1C244F/EUR-2B52R; O-1C272F/EUR-2B52R No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639	Report date: 26/11/2009 Reported by: N.J. Knowles Checked by: D.P. King Topotype: EA-1 Genotype/strain: none designated Sequence filename: KEN09-62.SEQ Date sequence last updated: 26/11/2009 Total no. of comparisons: 2137 Min. no. of nt for comparison: 300 Total turn-around time: 20 days Sequencing time: 8 days																																																																																								
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Molecular Epidemiology Report Form

IAH-P-EP-MEG-FOR-005-1

Page 1 of 1

Serotype: O WRL Ref No: KEN/67/2009 Sender Ref: AY 8 Date collected: 01/07/2009 Date received by WRLFMD: 06/11/2009 Date received for sequencing: 18/11/2009 Species: Cattle Material used: BTy1 Region sequenced: VP1 RT-PCR primers: O-1C244F/EUR-2B52R; O-1C272F/EUR-2B52R No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639	Report date: 26/11/2009 Reported by: N.J. Knowles Checked by: D.P. King Topotype: EA-1 Genotype/strain: none designated Sequence filename: KEN09-67.SEQ Date sequence last updated: 26/11/2009 Total no. of comparisons: 2137 Min. no. of nt for comparison: 300 Total turn-around time: 20 days Sequencing time: 8 days																																																																																								
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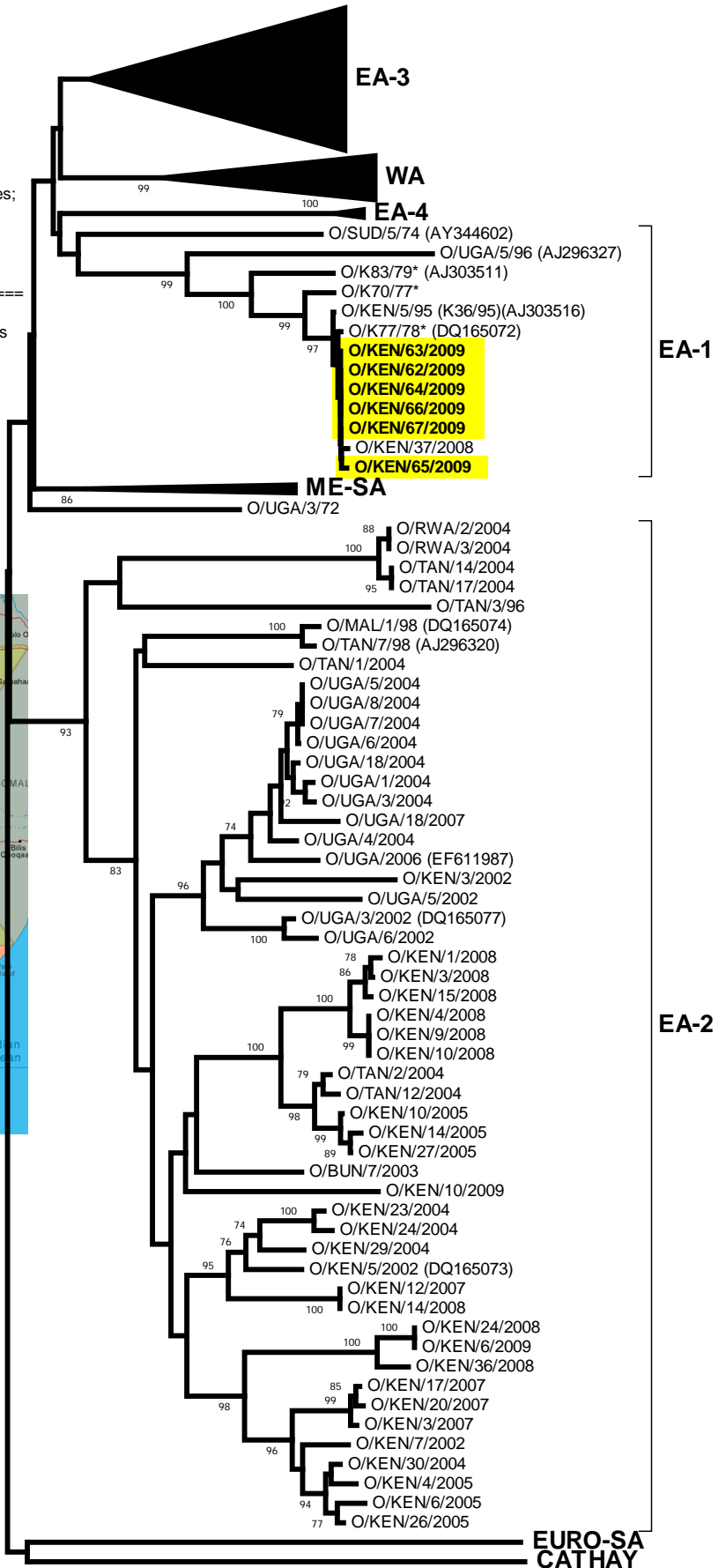
Report on FMDV O in Kenya in 2009

Batch: WRLFMD/2009/00051

Software: MEGA 4.0
 No. of Taxa : 150
 Data File : n:\evd\meg\db\fmv\o\KEN2009b.meg
 Data Title : O Kenya 2009
 Data Type : Nucleotide (Coding)
 Analysis : Phylogeny reconstruction
 Tree Inference : =====
 ->Method : Neighbor-Joining
 ->Phylogeny Test and options : Bootstrap (1000 replicates;
 seed=64238)
 Include Sites : =====
 ->Gaps/Missing Data : Pairwise Deletion
 ->Codon Positions : 1st+2nd+3rd+Noncoding
 Substitution Model : =====
 ->Model : Nucleotide: Kimura 2-parameter
 ->Substitutions to Include : d: Transitions + Transversions
 ->Pattern among Lineages : Same (Homogeneous)
 ->Rates among sites : Uniform rates
 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 November 2009



0.02