

# FAO World Reference Laboratory for Foot-and-Mouth Disease (WRLFMD)

## Genotyping Report

Report Date for this Batch: 25 August 2016

FMDV type O

Country: Mauritius

Period: 2016

No. of sequences: 3 (VP1)

Originator:



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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: 25/08/2016
WRLFMD Ref No: F1/ROD/2016*	Reported by: N.J. Knowles
Batch No: WRLMEG/2016/00014	Checked by: D.P. King
Sender Ref: F1/ROD/2016	
Location: Rodrigues Island, Mauritius	Topotype: ME-SA
Date collected: 15/08/2016	Genotype/strain: Ind-2001d
Date received by WRLFMD: 23/08/2016	Sequence filename: MUR16-AG.SEQ
Date received for sequencing:	Date sequence last updated: 24/08/2016
Species: Bovine	No. of Nt determined: 639
Material used:	No. of ambiguities: 0
Region sequenced: VP1	Gene length: 639
RT-PCR primers:	Total no. of comparisons: 4263
	Min. no. of nt for comparison: 600
	Total turn-around 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/F2/ROD/2016* (ANSES)	MUR16-AH	639	639	0	100.00	0.00	ME-SA	Ind-2001d
2	O/F3/ROD/2016* (ANSES)	MUR16-AI	639	639	0	100.00	0.00	ME-SA	Ind-2001d
3	O/2B/MAUR/2016* (ANSES)	MUR16-AB	639	638	0	99.84	0.16	ME-SA	Ind-2001d
4	O/3A/MAUR/2016* (ANSES)	MUR16-AD	639	638	0	99.84	0.16	ME-SA	Ind-2001d
5	O/3B/MAUR/2016* (ANSES)	MUR16-AE	639	638	0	99.84	0.16	ME-SA	Ind-2001d
6	O/5A/MAUR/2016* (ANSES)	MUR16-AF	639	638	0	99.84	0.16	ME-SA	Ind-2001d
7	O/1A/MAUR/2016* (ANSES)	MUR16-AA	639	637	0	99.69	0.31	ME-SA	Ind-2001d
8	O/2C/MAUR/2016* (ANSES)	MUR16-AC	639	637	0	99.69	0.31	ME-SA	Ind-2001d
9	O/NEP/17/2015	NEP15-17	639	632	0	98.90	1.10	ME-SA	Ind-2001d
10	O/NEP/19/2015	NEP15-19	639	632	0	98.90	1.10	ME-SA	Ind-2001d

## Most Closely Related Reference Viruses

(see [http://www.wrlfmd.org/fmd\\_genotyping/prototypes.htm](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/BHU/3/2009 (KM921814)	BHU09-03	639	598	0	93.58	6.42	ME-SA	Ind-2001d
2	O/OMN/7/2001 (DQ164941)	OMN01-07	639	592	0	92.64	7.36	ME-SA	Ind-2001b
3	O/KUW/3/97 (DQ164904)	KUW97-03	639	584	0	91.39	8.61	ME-SA	Ind-2001a
4	O/UAE/4/2008 (KM921876)	UAE08-04	636	573	0	90.09	9.91	ME-SA	Ind-2001c
5	O/IRN/31/2009	IRN09-31	639	569	0	89.05	10.95	ME-SA	PanAsia-2 <sup>FAR-09</sup>
6	O/UKG/35/2001 (AJ539141)	UKG01-35	639	569	0	89.05	10.95	ME-SA	PanAsia
7	O/LAO/2/2006 (2003)(EU667451)	LAO06-02	639	568	0	88.89	11.11	ME-SA	PanAsia
8	O/PAK/16/2010	PAK10-16	639	564	0	88.26	11.74	ME-SA	PanAsia-2 <sup>PUN-10</sup>
9	O1/Manisa/TUR/69 (AY593823)	TUR69--G	639	564	0	88.26	11.74	ME-SA	unnamed
10	O/IRN/8/2005	IRN05-08	639	563	0	88.11	11.89	ME-SA	PanAsia-2

nt, nucleotides

\*, not a WRLFMD reference number

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Serotype: O	Report date: 25/08/2016
WRLFMD Ref No: F2/ROD/2016*	Reported by: N.J. Knowles
Batch No: WRLMEG/2016/00014	Checked by: D.P. King
Sender Ref: F2/ROD/2016	
Location: Rodrigues Island, Mauritius	Topotype: ME-SA
Date collected: 15/08/2016	Genotype/strain: Ind-2001d
Date received by WRLFMD: 23/08/2016	Sequence filename: MUR16-AH.SEQ
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