

Serotype: O
WRL Ref No: MAI/11/2006
Sender Ref: 6
Date collected: 2006
Date received by WRLFMD: 09/03/2007
Date received for sequencing: 16/03/2007
Species: Not known
Material used: BTy1
Region sequenced: VP1
RT-PCR primers: O-1C583F/EUR-2B52R;
O-1C272F/EUR-2B52R
No. of Nt determined: 639
No. of ambiguities: 0
Gene length: 639

Report date: 11/04/2007
Topotype: WA
Genotype/strain: none designated
Sequence filename: MAI06-11.SEQ
Date sequence last updated: 11/04/2007
Total no. of comparisons: 1562
Min. no. of nt for comparison: 300
Total turn-around time: 33 days
Sequencing time: 26 days

Comments:

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/MAI/15/2006	MAI06-15	639	637	0	99.69	0.31
2	O/SEN/8/2006	SEN06-08	639	633	0	99.06	0.94
3	O/MAI/17/2006	MAI06-17	639	629	0	98.44	1.56
4	O/CIV/8/99	CIV99-08	639	608	0	95.15	4.85
5	O/GNA/4/99 (DQ165071)	GNA99-04	638	606	1	94.98	5.02
6	O/ALG/2/99	ALG99-02	639	605	0	94.68	5.32
7	O/ALG/1/99	ALG99-01	627	592	12	94.42	5.58
8	O/ALG/1/99 (OVI)	ALG99A01	494	465	1	94.13	5.87
9	O/MOR/2/99	MOR99-02	333	313	3	93.99	6.01
10	O/NGR/11/2001	NGR01-11	639	599	0	93.74	6.26

Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/IND/53/79 [AF292107]	IND79A53	639	544	0	85.13	14.87
2	O/IND/R2/75* [AF204276]	IND75--A	639	538	0	84.19	15.81
3	O/TAW/2/99	TAW99-02	639	530	0	82.94	17.06
4	O1/Manisa/TUR/69 (AJ251477)	TUR69--E	639	530	0	82.94	17.06
5	O/ISR/2/88 (DQ164899)	ISR88-02	639	525	0	82.16	17.84
6	O/MOR/1/91	MOR91-01	639	525	0	82.16	17.84
7	O/TAI/189/87* [TRRL]	TAI87-AC	639	522	0	81.69	18.31
8	O1/BFS 1860/UK/67	UKG67--A	639	511	0	79.97	20.03
9	O/PHI/5/95 (DQ164946)	PHI95-05	639	504	0	78.87	21.13
10	O/HKN/6/83	HKN83-06	637	501	2	78.65	21.35

nt, nucleotides

*, not a WRLFMD reference number

Serotype: O
WRL Ref No: MAI/15/2006
Sender Ref: 10
Date collected: 2006
Date received by WRLFMD: 09/03/2007
Date received for sequencing: 16/03/2007
Species: Not known
Material used: BTy1
Region sequenced: VP1
RT-PCR primers: O-1C583F/EUR-2B52R;
O-1C272F/EUR-2B52R
No. of Nt determined: 639
No. of ambiguities: 0
Gene length: 639

Report date: 11/04/2007
Topotype: WA
Genotype/strain: none designated
Sequence filename: MAI06-15.SEQ
Date sequence last updated: 11/04/2007
Total no. of comparisons: 1562
Min. no. of nt for comparison: 300
Total turn-around time: 33 days
Sequencing time: 26 days

Comments:

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/MAI/11/2006	MAI06-11	639	637	0	99.69	0.31
2	O/SEN/8/2006	SEN06-08	639	631	0	98.75	1.25
3	O/MAI/17/2006	MAI06-17	639	627	0	98.12	1.88
4	O/CIV/8/99	CIV99-08	639	608	0	95.15	4.85
5	O/GNA/4/99 (DQ165071)	GNA99-04	638	606	1	94.98	5.02
6	O/ALG/2/99	ALG99-02	639	605	0	94.68	5.32
7	O/ALG/1/99	ALG99-01	627	592	12	94.42	5.58
8	O/ALG/1/99 (OVI)	ALG99A01	494	465	1	94.13	5.87
9	O/MOR/2/99	MOR99-02	333	313	3	93.99	6.01
10	O/NGR/11/2001	NGR01-11	639	599	0	93.74	6.26

Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/IND/53/79 [AF292107]	IND79A53	639	545	0	85.29	14.71
2	O/IND/R2/75* [AF204276]	IND75--A	639	539	0	84.35	15.65
3	O/TAW/2/99	TAW99-02	639	531	0	83.1	16.9
4	O1/Manisa/TUR/69 (AJ251477)	TUR69--E	639	531	0	83.1	16.9
5	O/ISR/2/88 (DQ164899)	ISR88-02	639	526	0	82.32	17.68
6	O/MOR/1/91	MOR91-01	639	526	0	82.32	17.68
7	O/TAI/189/87* [TRRL]	TAI87-AC	639	523	0	81.85	18.15
8	O1/BFS 1860/UK/67	UKG67--A	639	512	0	80.13	19.87
9	O/PHI/5/95 (DQ164946)	PHI95-05	639	505	0	79.03	20.97
10	O/HKN/6/83	HKN83-06	637	500	2	78.49	21.51

nt, nucleotides

*, not a WRLFMD reference number

Serotype: O	Report date: 11/04/2007
WRL Ref No: MAI/17/2006	
Sender Ref: 12	
Date collected: 2006	
Date received by WRLFMD: 09/03/2007	Topotype: WA
Date received for sequencing: 16/03/2007	Genotype/strain: none designated
Species: Not known	Sequence filename: MAI06-17.SEQ
Material used: BTy1	Date sequence last updated: 11/04/2007
Region sequenced: VP1	Total no. of comparisons: 1562
RT-PCR primers: O-1C583F/EUR-2B52R	Min. no. of nt for comparison: 300
No. of Nt determined: 639	Total turn-around time: 33 days
No. of ambiguities: 0	Sequencing time: 26 days
Gene length: 639	

Comments:

Ten Most Closely Related Viruses

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2	O/MAI/11/2006	MAI06-11	639	629	0	98.44	1.56
3	O/MAI/15/2006	MAI06-15	639	627	0	98.12	1.88
4	O/CIV/8/99	CIV99-08	639	605	0	94.68	5.32
5	O/GNA/4/99 (DQ165071)	GNA99-04	638	603	1	94.51	5.49
6	O/ALG/2/99	ALG99-02	639	602	0	94.21	5.79
7	O/ALG/1/99	ALG99-01	627	589	12	93.94	6.06
8	O/MOR/2/99	MOR99-02	333	312	3	93.69	6.31
9	O/ALG/1/99 (OVI)	ALG99A01	494	462	1	93.52	6.48
10	O/TOG/1/2004	TOG04-01	639	595	0	93.11	6.89

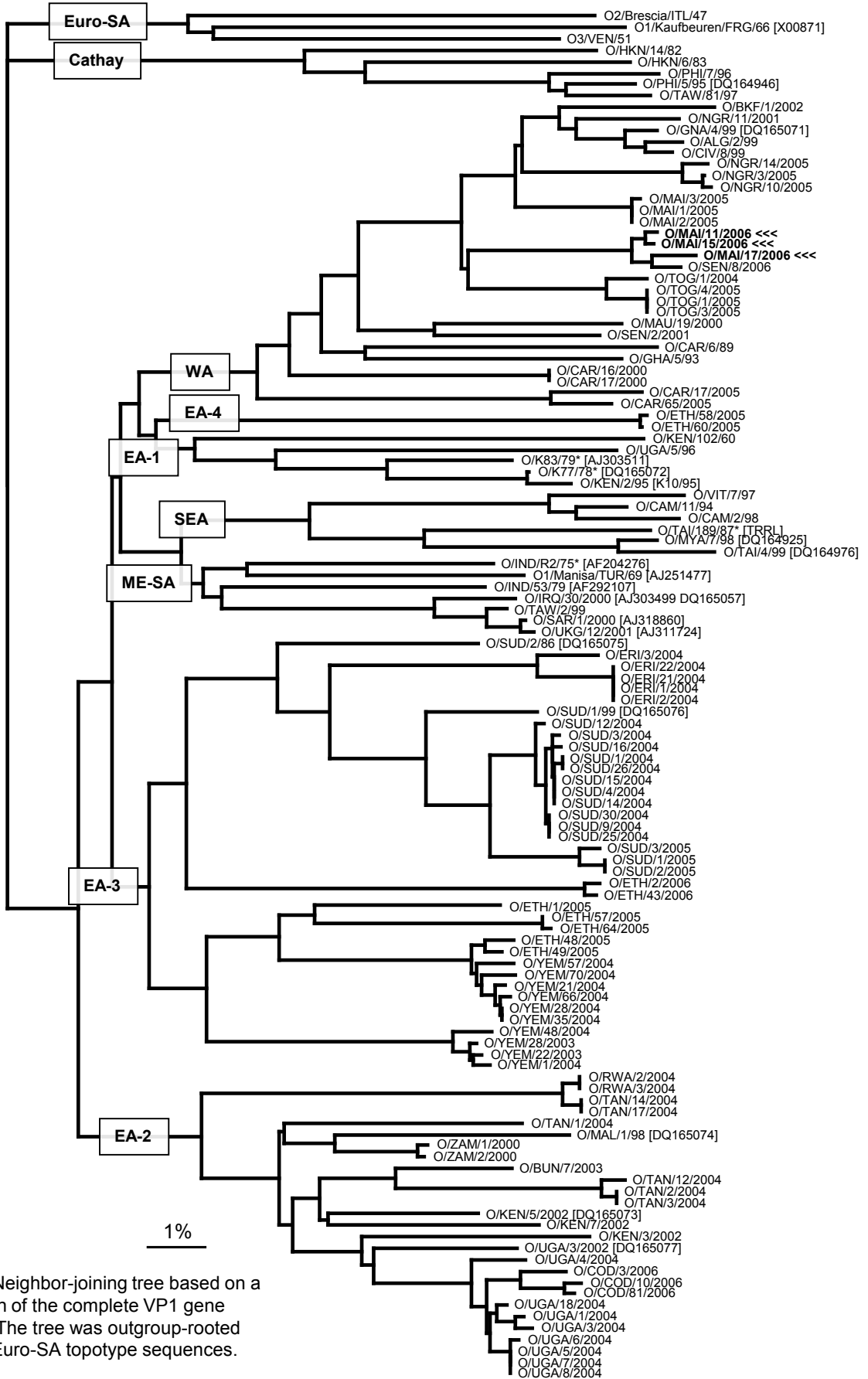
Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/IND/53/79 [AF292107]	IND79A53	639	542	0	84.82	15.18
2	O/IND/R2/75* [AF204276]	IND75--A	639	535	0	83.72	16.28
3	O1/Manisa/TUR/69 (AJ251477)	TUR69--E	639	530	0	82.94	17.06
4	O/TAW/2/99	TAW99-02	639	526	0	82.32	17.68
5	O/ISR/2/88 (DQ164899)	ISR88-02	639	519	0	81.22	18.78
6	O/MOR/1/91	MOR91-01	639	519	0	81.22	18.78
7	O/TAI/189/87* [TRRL]	TAI87-AC	639	517	0	80.91	19.09
8	O/PHI/5/95 (DQ164946)	PHI95-05	639	505	0	79.03	20.97
9	O1/BFS 1860/UK/67	UKG67--A	639	505	0	79.03	20.97
10	O/HKN/6/83	HKN83-06	637	500	2	78.49	21.51

nt, nucleotides

*, not a WRLFMD reference number

Report on FMDV O from Mali in 2006



Unrooted Neighbor-joining tree based on a comparison of the complete VP1 gene (~639 nt). The tree was outgroup-rooted using the Euro-SA topotype sequences.

* Not a WRLFMD Ref. No.