

Serotype: A
WRL Ref No: MAI/12/2006
Sender Ref: 7
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: A-1C562F/EUR-2B52R;
A-1C612F/EUR-2B52R
No. of Nt determined: 639
No. of ambiguities: 0
Gene length: 639

Report date: 11/04/2007
Topotype: AFRICA
Genotype/strain: none designated
Sequence filename: MAI06-12.SEQ
Date sequence last updated: 11/04/2007
Total no. of comparisons: 808
Min. no. of nt for comparison: 300
Total turn-around time: 33 days
Sequencing time: 26 days

Comments: Differs from A/MAI/16/2006 by 17.61%.

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/MAI/4/2004	MAI04-04	639	631	0	98.75	1.25
2	A/CAR/12/2000	CAR00-12	639	597	0	93.43	6.57
3	A/CAR/13/2000	CAR00-13	639	597	0	93.43	6.57
4	A/CAR/14/2000	CAR00-14	639	597	0	93.43	6.57
5	A/CAR/15/2000 (EF208755)	CAR00-15	639	597	0	93.43	6.57
6	A/CAR/P19/2000 (mfa/057/01)	CRC00-01	639	597	0	93.43	6.57
7	A/TOG/9/2005	TOG05-09	639	583	0	91.24	8.76
8	A/SUD/1/81	SUD81-01	639	582	0	91.08	8.92
9	A/SUD/2/84	SUD84-02	639	581	0	90.92	9.08
10	A/SUD/1/85	SUD85-01	639	580	0	90.77	9.23

Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/SAU/41/91	SAU91-41	636	510	0	80.19	19.81
2	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	639	511	0	79.97	20.03
3	A/IRN/87	IRN87--M	634	503	2	79.34	20.66
4	A/TAI/2/97 (EF208778)	TAI97-02	636	502	0	78.93	21.07
5	A22/IRQ/24/64 (AJ251474)	IRQ64-24	639	504	0	78.87	21.13
6	A/IRN/22/99 (EF208772)	IRN99-22	636	499	0	78.46	21.54
7	A/TAI/118/87* (EF208777)	TAI87-AD	636	496	0	77.99	22.01
8	A/IND/7/82 (1980)	IND82-07	639	498	0	77.93	22.07
9	A/IRN/1/96 (EF208771)	IRN96-01	638	494	1	77.43	22.57
10	A/SAU/23/86	SAU86-23	639	493	0	77.15	22.85

nt, nucleotides

*, not a WRLFMD reference number

Serotype: A Report date: 11/04/2007
WRL Ref No: MAI/16/2006
Sender Ref: 11
Date collected: 2006
Date received by WRLFMD: 09/03/2007 Topotype: AFRICA
Date received for sequencing: 16/03/2007 Genotype/strain: none designated
Species: Not known Sequence filename: MAI06-16.SEQ
Material used: BTy1 Date sequence last updated: 11/04/2007
Region sequenced: VP1 Total no. of comparisons: 808
RT-PCR primers: A-1C562F/EUR-2B52R; Min. no. of nt for comparison: 300
Total turn-around time: 33 days
Sequencing time: 26 days
A-1C612F/EUR-2B52R
No. of Nt determined: 636
No. of ambiguities: 0
Gene length: 636

Comments: Differs from A/MAI/12/2006 by 17.61%.

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/SEN/10/96	SEN96-10	636	594	0	93.4	6.6
2	A/MAI/2/97 (EF208776)	MAI97-02	636	593	0	93.24	6.76
3	A/GAM/44/98 (EF208768)	GAM98-44	636	592	0	93.08	6.92
4	A/GAM/51/98 (AF390862)	GAM98-51	375	349	0	93.07	6.93
5	A/GAM/46/98	GAM98-46	636	591	0	92.92	7.08
6	A/GAM/52/98	GAM98-52	636	591	0	92.92	7.08
7	A/SEN/34/97	SEN97-34	636	591	0	92.92	7.08
8	A/MAU/3/97	MAU97-03	636	588	0	92.45	7.55
9	A/SEN/10/97	SEN97-10	597	550	3	92.13	7.87
10	A/BKF/2/94	BKF94-02	636	578	0	90.88	9.12

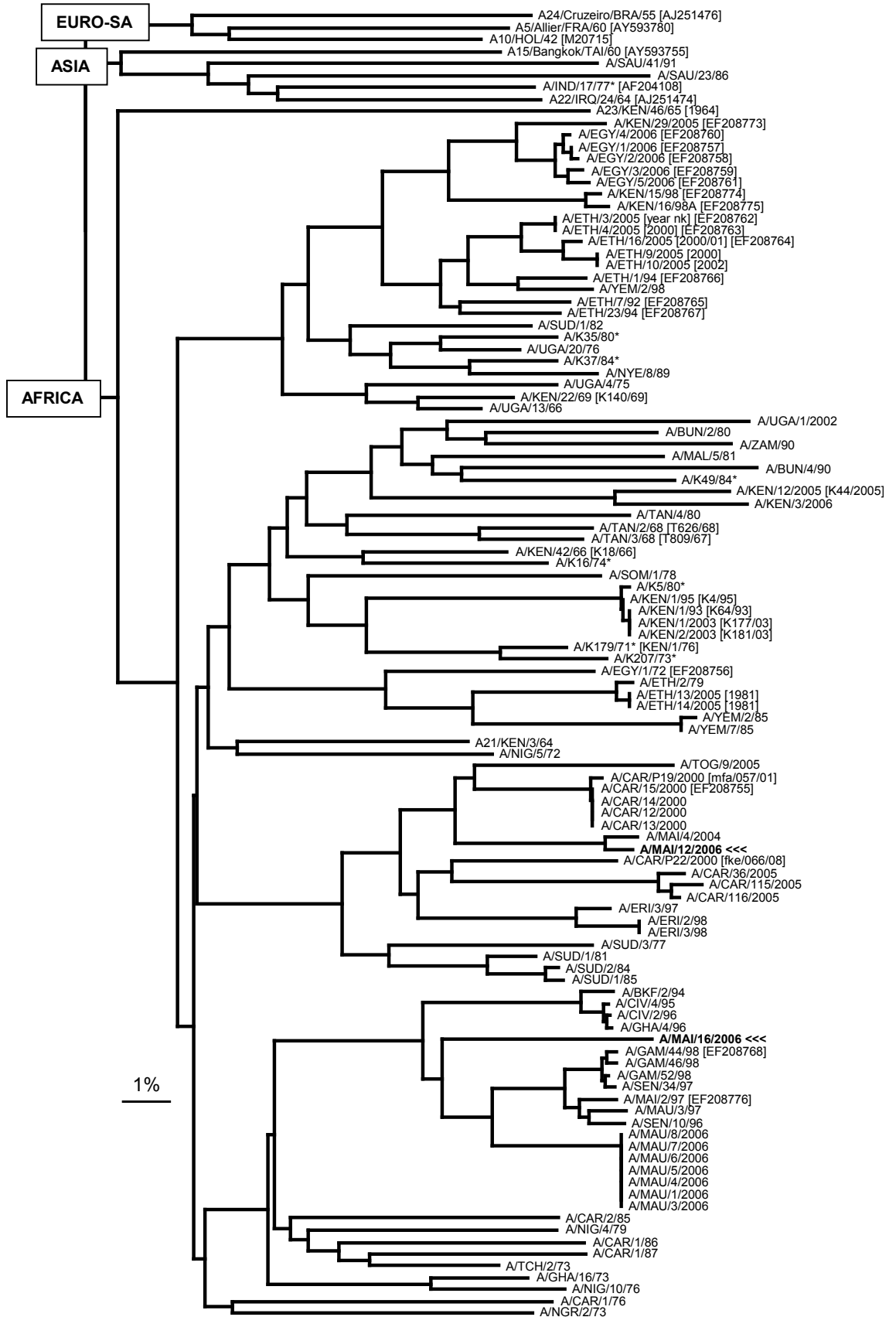
Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/TAI/2/97 (EF208778)	TAI97-02	633	515	0	81.36	18.64
2	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	636	517	0	81.29	18.71
3	A/IRN/87	IRN87--M	631	510	2	80.82	19.18
4	A/IND/7/82 (1980)	IND82-07	636	513	0	80.66	19.34
5	A22/IRQ/24/64 (AJ251474)	IRQ64-24	636	513	0	80.66	19.34
6	A/SAU/23/86	SAU86-23	636	512	0	80.5	19.5
7	A/TAI/118/87* (EF208777)	TAI87-AD	633	508	0	80.25	19.75
8	A/SAU/41/91	SAU91-41	633	507	0	80.09	19.91
9	A/IRN/1/96 (EF208771)	IRN96-01	635	508	1	80	20
10	A/IRN/22/99 (EF208772)	IRN99-22	633	503	0	79.46	20.54

nt, nucleotides

*, not a WRLFMD reference number

Report on FMDV A Mali 2006



Unrooted Neighbor-joining tree based on a comparison of the complete VP1 gene. The tree was outgroup-rooted using members of the Euro-SA toptype.

N.J. Knowles & J. Wadsworth, 11 April 2007