

Serotype: A Report date: 10/10/2005
WRL Ref No: MAI/4/2004
Sender Ref: A/179/05/VIRO 119 Troupeau No 1
Date collected: 05/12/2004
Date received by WRLFMD: 17/08/2005 Topotype: Africa
Date received for sequencing: 02/09/2005 Genotype/strain: none designated
Species: Cattle Sequence filename: MAI04-04.SEQ
Material used: BTy1 Date sequence last updated: 14/09/2005
Region sequenced: VP1 Total no. of comparisons: 805
RT-PCR primers: A-1C612F/EUR-2B52R; Min. no. of nt for comparison: 300
A-1C562F/EUR-2B52R Total turn-around time: 54 days
No. of Nt determined: 639 Sequencing time: 38 days
No. of ambiguities: 0
Gene length: 639

Comments:

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/CAR/15/2000	CAR00-15	639	599	0	93.74	6.26
2	A/CAR/13/2000	CAR00-13	639	599	0	93.74	6.26
3	A/CAR/14/2000	CAR00-14	639	599	0	93.74	6.26
4	A/CAR/12/2000	CAR00-12	639	599	0	93.74	6.26
5	A/CAR/P19/2000 (mfa/057/01)	CRC00-01	639	597	0	93.43	6.57
6	A/TOG/9/2005	TOG05-09	639	585	0	91.55	8.45
7	A/ERI/3/97	ERI97-03	639	579	0	90.61	9.39
8	A/SUD/2/84	SUD84-02	639	579	0	90.61	9.39
9	A/SUD/1/85	SUD85-01	639	578	0	90.45	9.55
10	A/SUD/1/81	SUD81-01	639	578	0	90.45	9.55

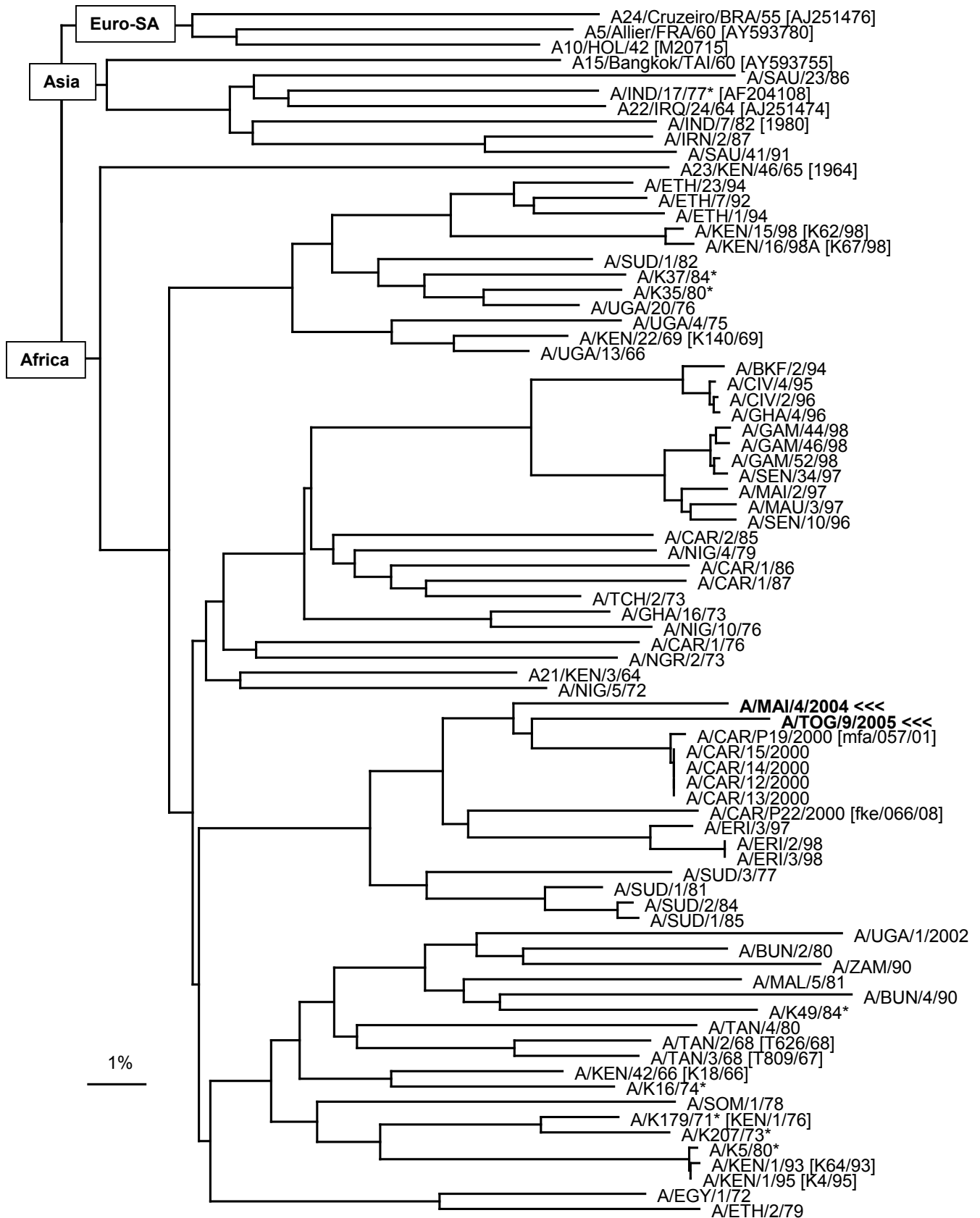
Relationships to Reference Virus Strains

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	510	0	79.81	20.19
3	A/IRN/87	IRN87--M	634	503	2	79.34	20.66
4	A/TAI/2/97	TAI97-02	636	504	0	79.25	20.75
5	A22/IRQ/24/64 (AJ251474)	IRQ64-24	639	504	0	78.87	21.13
6	A/IRN/22/99	IRN99-22	636	501	0	78.77	21.23
7	A/TAI/118/87*	TAI87-AD	636	498	0	78.3	21.7
8	A/IND/7/82 (1980)	IND82-07	639	500	0	78.25	21.75
9	A/SAU/23/86	SAU86-23	639	493	0	77.15	22.85
10	A/IRN/1/96	IRN96-01	638	490	1	76.8	23.2

nt, nucleotides

*, not a WRLFMD reference number

Report on FMDV A from West Africa in 2004-2005



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