

Serotype: A
WRL Ref No: TOG/9/2005
Sender Ref: A 379/05/VIRO 255
Date collected: 14/07/2005
Date received by WRLFMD: 17/08/2005
Date received for sequencing: 23/08/2005
Species: Cattle
Material used: BTy1
Region sequenced: VP1
RT-PCR primers: A-1C612F/EUR-2B52R;
A-1562F/EUR-2B52R
No. of Nt determined: 639
No. of ambiguities: 0
Gene length: 639

Report date: 15/09/2005
Topotype: Africa
Genotype/strain: none designated
Sequence filename: TOG05-09.SEQ
Date sequence last updated: 15/09/2005
Total no. of comparisons: 798
Min. no. of nt for comparison: 300
Total turn-around time: 29 days
Sequencing time: 23 days

Comments:

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/CAR/13/2000	CAR00-13	639	597	0	93.43	6.57
2	A/CAR/14/2000	CAR00-14	639	597	0	93.43	6.57
3	A/CAR/15/2000	CAR00-15	639	597	0	93.43	6.57
4	A/CAR/12/2000	CAR00-12	639	597	0	93.43	6.57
5	A/CAR/P19/2000 (mfa/057/01)	CRC00-01	639	595	0	93.11	6.89
6	A/MAI/4/2004	MAI04-04	639	585	0	91.55	8.45
7	A/ERI/3/97	ERI97-03	639	574	0	89.83	10.17
8	A/SUD/2/84	SUD84-02	639	568	0	88.89	11.11
9	A/ERI/2/98	ERI98-02	639	568	0	88.89	11.11
10	A/ERI/3/98	ERI98-03	639	568	0	88.89	11.11

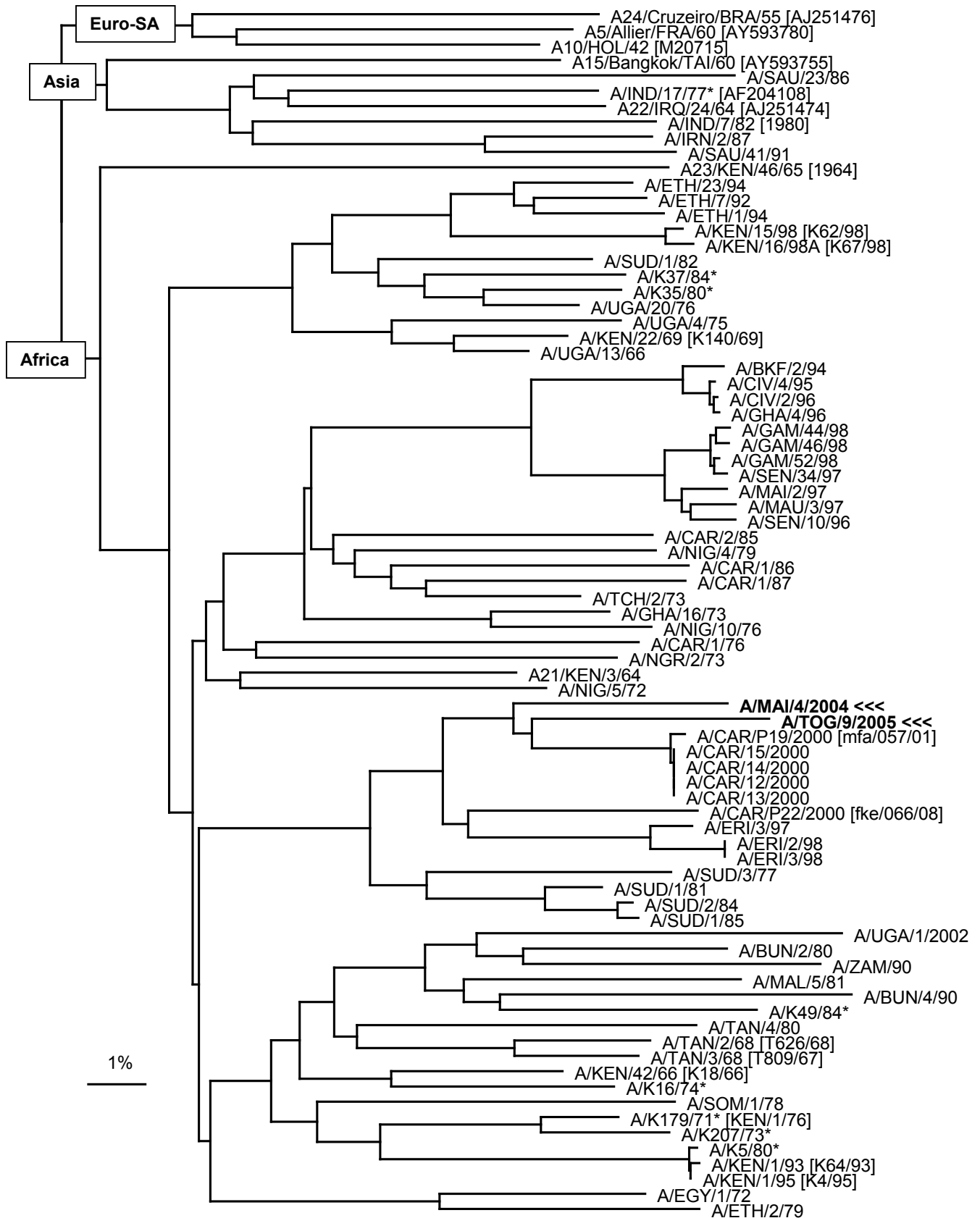
Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/SAU/41/91	SAU91-41	636	506	0	79.56	20.44
2	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	639	507	0	79.34	20.66
3	A/IRN/87	IRN87--M	634	500	2	78.86	21.14
4	A/SAU/23/86	SAU86-23	639	501	0	78.4	21.6
5	A22/IRQ/24/64 (AJ251474)	IRQ64-24	639	500	0	78.25	21.75
6	A/TAI/2/97	TAI97-02	636	497	0	78.14	21.86
7	A/IND/7/82 (1980)	IND82-07	639	499	0	78.09	21.91
8	A/TAI/118/87*	TAI87-AD	636	496	0	77.99	22.01
9	A/IRN/1/96	IRN96-01	638	497	1	77.9	22.1
10	A/IRN/22/99	IRN99-22	636	495	0	77.83	22.17

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.