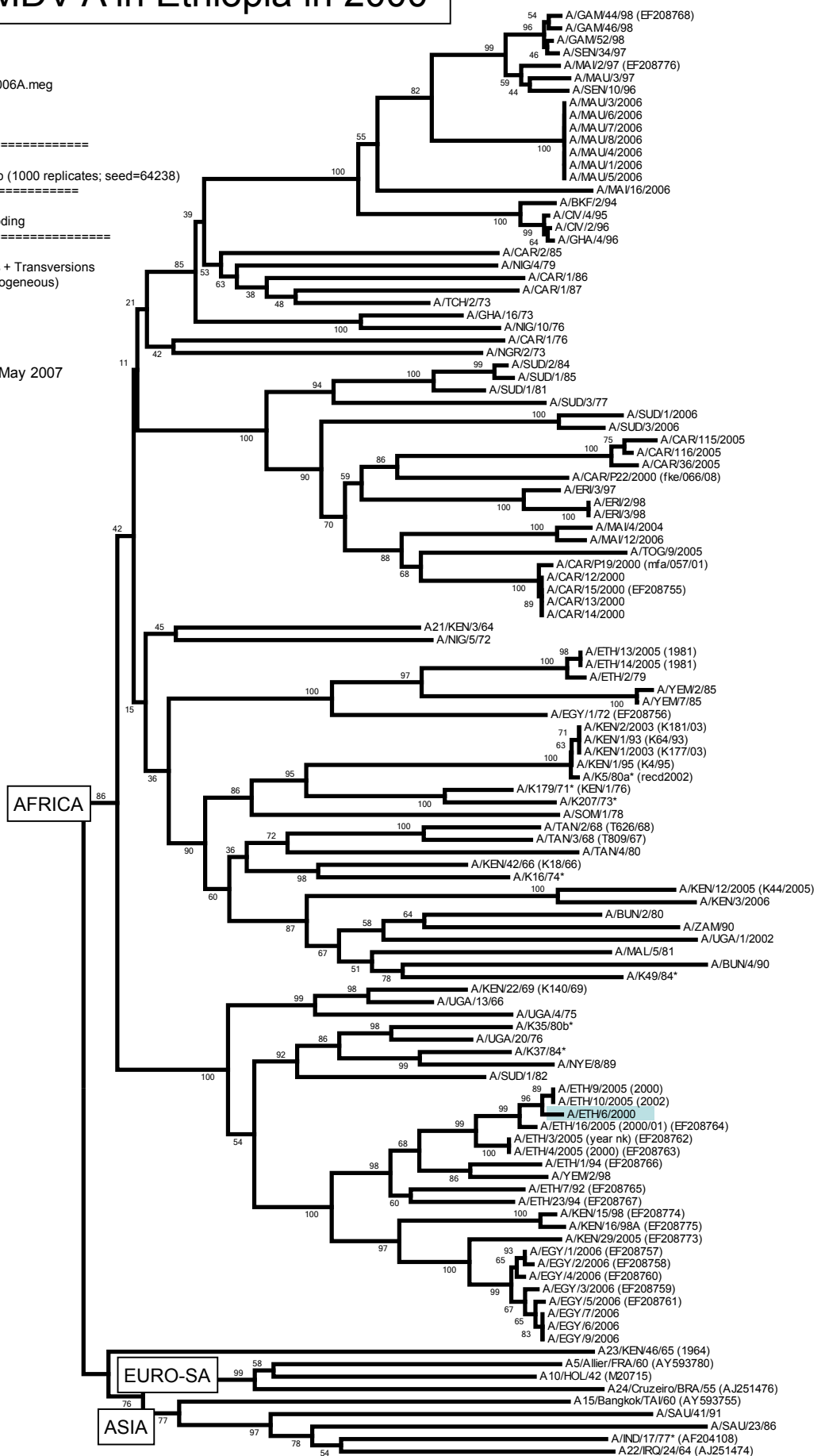


Serotype: A		Report date: 02/05/2007					
WRL Ref No: ETH/6/2000							
Sender Ref: 94							
Date collected: 2000							
Date received by WRLFMD: 16/03/2007		Topotype: AFRICA					
Date received for sequencing: 02/04/2007		Genotype/strain: none designated					
Species: Not known		Sequence filename: ETH00-06.SEQ					
Material used: BHK BTy1		Date sequence last updated: 26/04/2007					
Region sequenced: VP1		Total no. of comparisons: 845					
RT-PCR primers: A-1C562F/EUR-2B52R		Min. no. of nt for comparison: 300					
No. of Nt determined: 639		Total turn-around time: 47 days					
No. of ambiguities: 0		Sequencing time: 30 days					
Gene length: 639							
Comments:							
<b>Ten Most Closely Related Viruses</b>							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/ETH/10/2005 (2002)	ETH05-10	639	635	0	99.37	0.63
2	A/ETH/9/2005 (2000)	ETH05-09	639	635	0	99.37	0.63
3	A/ETH/16/2005 (2000/01) (EF208764)	ETH05-16	639	632	0	98.9	1.1
4	A/ETH/3/2005 (year nk) (EF208762)	ETH05-03	639	624	0	97.65	2.35
5	A/ETH/4/2005 (2000) (EF208763)	ETH05-04	639	624	0	97.65	2.35
6	A/ETH/1/94 (EF208766)	ETH94-01	639	611	0	95.62	4.38
7	A/ETH/7/92 (EF208765)	ETH92-07	639	600	0	93.9	6.1
8	A/YEM/2/98	YEM98-02	639	598	0	93.58	6.42
9	A/ETH/23/94 (EF208767)	ETH94-23	639	596	0	93.27	6.73
10	A/KEN/15/98 (EF208774)	KEN98-15	639	581	0	90.92	9.08
<b>Relationships to Reference Virus Strains</b>							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/IRN/87	IRN87--M	634	511	2	80.6	19.4
2	A22/IRQ/24/64 (AJ251474)	IRQ64-24	639	512	0	80.13	19.87
3	A/IRN/1/96 (EF208771)	IRN96-01	638	511	1	80.09	19.91
4	A/SAU/41/91	SAU91-41	636	506	0	79.56	20.44
5	A/TAI/2/97 (EF208778)	TAI97-02	636	506	0	79.56	20.44
6	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	639	504	0	78.87	21.13
7	A/TAI/118/87* (EF208777)	TAI87-AD	636	500	0	78.62	21.38
8	A/IND/7/82 (1980)	IND82-07	639	500	0	78.25	21.75
9	A/SAU/23/86	SAU86-23	639	495	0	77.46	22.54
10	A/IRN/22/99 (EF208772)	IRN99-22	636	488	0	76.73	23.27
nt, nucleotides							
*, not a WRLFMD reference number							

# Report on FMDV A in Ethiopia in 2000

Software: MEGA 3.1  
 No. of Taxa : 116  
 Data File : n:\levd\meg\db\fmdv\A\SUD2006A.meg  
 Data Title : SUD / ETH / EGY  
 Data Type : Nucleotide (Coding)  
 Analysis : Phylogeny reconstruction  
 Tree Inference : =====  
 Method : Neighbor-Joining  
 Phylogeny Test and options : Bootstrap (1000 replicates; seed=64238)  
 Include Sites : =====  
 Gaps/Missing Data : Pairwise Deletion  
 Codon Positions : 1st+2nd+3rd+Noncoding  
 Substitution Model : =====  
 Model : Nucleotide: p-distance  
 Substitutions to Include : d: Transitions + Transversions  
 Pattern among Lineages : Same (Homogeneous)  
 Rates among sites : Uniform rates  
 No. of Sites : 642  
 No Of Bootstrap Reps = 1000

N.J. Knowles & J. Wadsworth, 10 May 2007



0.02