

Serotype: A
WRL Ref No: LAO/1/2006
Sender Ref: LAO 5/06 R1 B2
Date collected: 27/03/2006
Date received by WRLFMD: 23/07/2006
Date received for sequencing: 28/07/2006
Species: Cattle
Material used: LK1 BHK2 BTy1
Region sequenced: VP1
RT-PCR primers: A-1C562F/EUR-2B52R;
A-1C612F/EUR-2B52R;
A-1C562F/NK61; A-1C612F/NK61
No. of Nt determined: 636
No. of ambiguities: 0
Gene length: 636

Report date: 19/09/2006
Topotype: Asia
Genotype/strain: none designated
Sequence filename: LAO06-01.SEQ
Date sequence last updated: 16/08/2006
Total no. of comparisons: 943
Min. no. of nt for comparison: 300
Total turn-around time: 58 days
Sequencing time: 53 days

Comments:

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/LAO/36/2003	LAO03-36	636	636	0	100	0
2	A/MAY/4/2003	MAY03-04	636	635	0	99.84	0.16
3	A/TAI/2/04R2* [TRRL]	TAI04-AA	636	633	0	99.53	0.47
4	A/TAI/5/2003	TAI03-05	624	621	0	99.52	0.48
5	A/TAI/7/2003	TAI03-07	636	632	0	99.37	0.63
6	A/TAI/11/2003	TAI03-11	634	630	2	99.37	0.63
7	A/TAI/8/04R2* [TRRL]	TAI04-AC	636	631	0	99.21	0.79
8	A/TAI/12/2003	TAI03-12	636	631	0	99.21	0.79
9	A/TAI/10/2003	TAI03-10	636	631	0	99.21	0.79
10	A/TAI/8/2003	TAI03-08	631	626	5	99.21	0.79

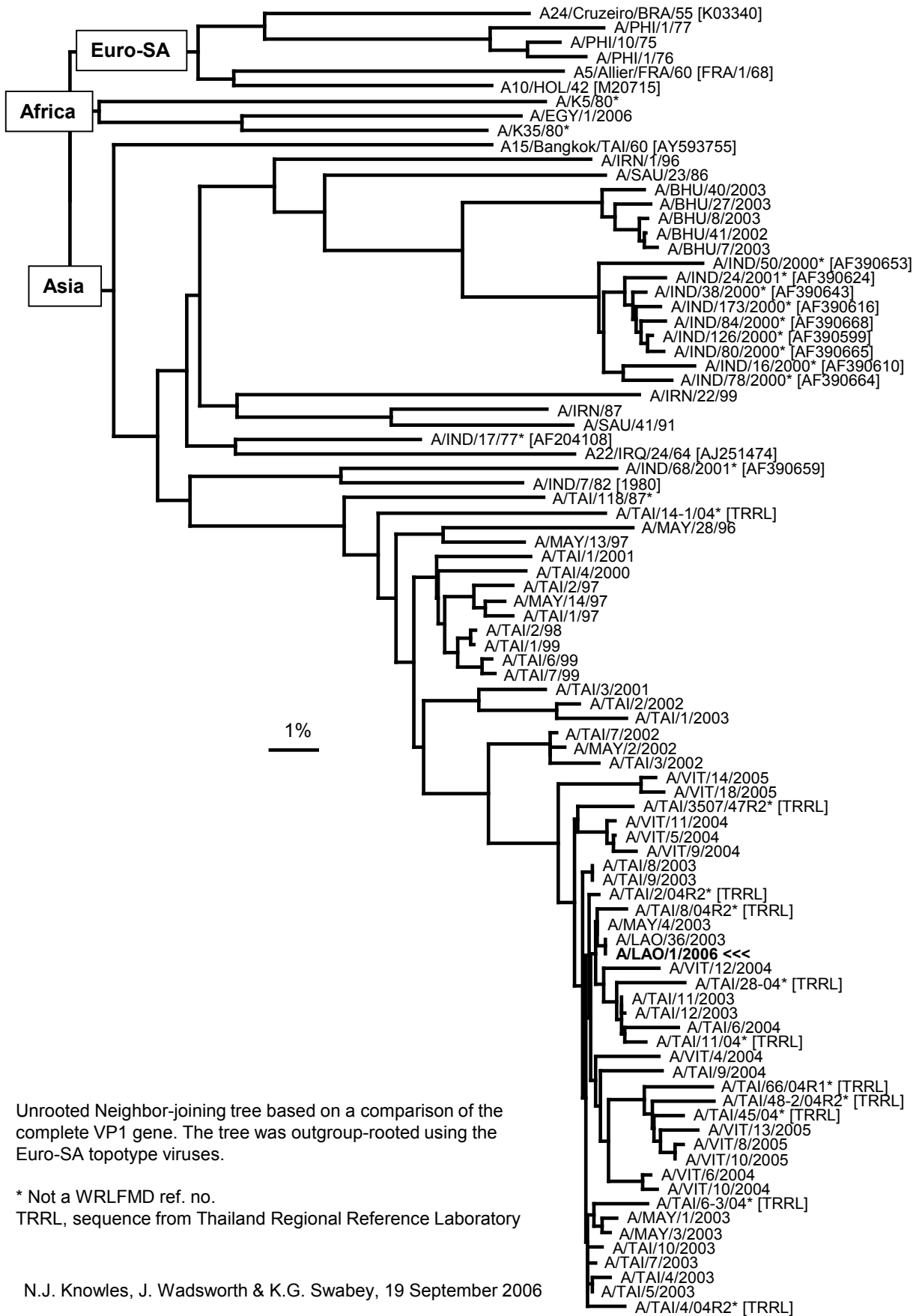
Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/TAI/2/97	TAI97-02	636	596	0	93.71	6.29
2	A/TAI/118/87*	TAI87-AD	636	573	0	90.09	9.91
3	A/IND/7/82 (1980)	IND82-07	636	539	0	84.75	15.25
4	A/SAU/23/86	SAU86-23	636	526	0	82.7	17.3
5	A/SAU/41/91	SAU91-41	633	522	0	82.46	17.54
6	A/IRN/87	IRN87--M	634	522	2	82.33	17.67
7	A22/IRQ/24/64 (AJ251474)	IRQ64-24	636	523	0	82.23	17.77
8	A/IRN/1/96	IRN96-01	635	522	1	82.2	17.8
9	A/IRN/22/99	IRN99-22	633	514	0	81.2	18.8
10	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	636	509	0	80.03	19.97

nt, nucleotides

*, not a WRLFMD reference number

Report on FMDV A from Laos in 2006



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

* Not a WRLFMD ref. no.

TRRL, sequence from Thailand Regional Reference Laboratory