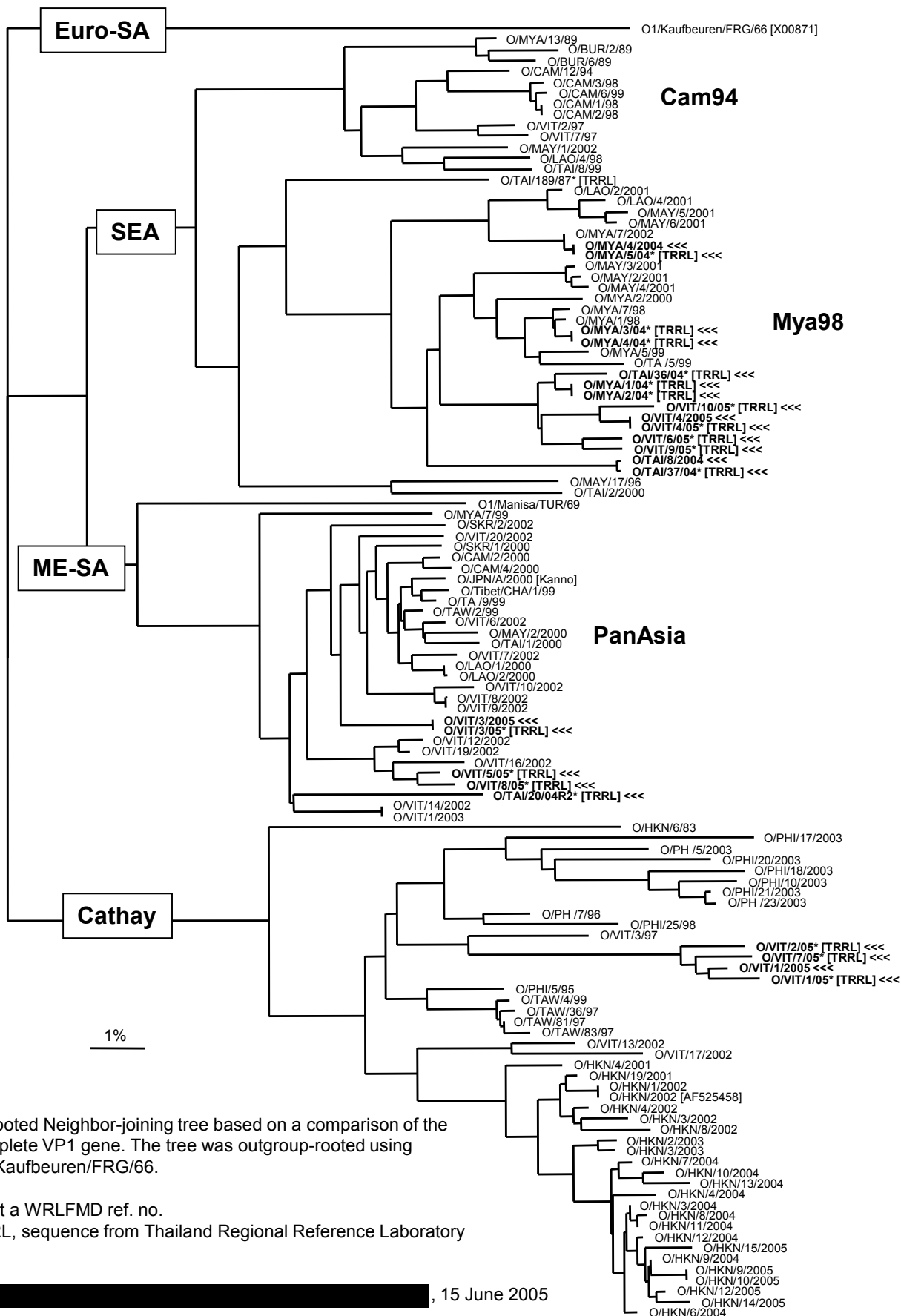


Serotype: O	Report date: 22/04/2005						
WRL Ref No: TAI/8/2004							
Sender Ref: 37/04							
Date collected: not known							
Date received by WRLFMD: 21/03/2005	Topotype: SEA						
Date received for sequencing: 30/03/2005	Genotype/strain: Not designated						
Species: Cattle	Sequence filename: TAI04-08.SEQ						
Material used: LK2 BHK1 BTy1	Date sequence last updated: 21/04/2005						
Region sequenced: VP1	Total no. of comparisons: 1672						
RT-PCR primers: A-1C612F/NK61	Min. no. of nt for comparison: 300						
No. of Nt determined: 639	Total turn-around time: 32 days						
No. of ambiguities: 0	Sequencing time: 23 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	O/TAI/37/04* [TRRL]	TAI04-AC	639	638	0	99.84	0.16
2	O/MYA/4/98	MYA98-04	351	335	8	95.44	4.56
3	O/MAY/8/99	MAY99-08	403	383	5	95.04	4.96
4	O/MYA/1/98	MYA98-01	630	598	9	94.92	5.08
5	O/MYA/4/04* [TRRL]	MYA04-AD	639	606	0	94.84	5.16
6	O/MYA/7/98	MYA98-07	639	606	0	94.84	5.16
7	O/MYA/3/04* [TRRL]	MYA04-AC	639	606	0	94.84	5.16
8	O/MAY/6/99	MAY99-06	356	337	3	94.66	5.34
9	O/MAY/3/2001	MAY01-03	639	604	0	94.52	5.48
10	O/MAY/4/99	MAY99-04	400	378	3	94.5	5.5
<b>Relationships to Reference Virus Strains</b>							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/TAI/189/87* [TRRL]	TAI87-AC	639	574	0	89.83	10.17
2	O/TAW/2/99	TAW99-02	639	548	0	85.76	14.24
3	O/IND/R2/75*	IND75--A	639	546	0	85.45	14.55
4	O/IND/53/79	IND79A53	639	540	0	84.51	15.49
5	O1/Manisa/TUR/69	TUR69--E	639	535	0	83.72	16.28
6	O/MOR/1/91	MOR91-01	639	529	0	82.79	17.21
7	O/ISR/2/88	ISR88-02	639	528	0	82.63	17.37
8	O1/BFS 1860/UK/67	UKG67--A	639	504	0	78.87	21.13
9	O/PHI/5/95	PHI95-05	639	497	0	77.78	22.22
10	O/HKN/6/83	HKN83-06	637	489	2	76.77	23.23
nt, nucleotides							
*, not a WRLFMD reference number							

**Report on FMDV O isolates and sequences received from the Thailand Regional Reference Laboratory in Mar-Apr 2005 (Thailand 2004 / Myanmar 2004 / Vietnam 2005)**



Unrooted Neighbor-joining tree based on a comparison of the complete VP1 gene. The tree was outgroup-rooted using O1/Kaufbeuren/FRG/66.

\* Not a WRLFMD ref. no.

TRRL, sequence from Thailand Regional Reference Laboratory