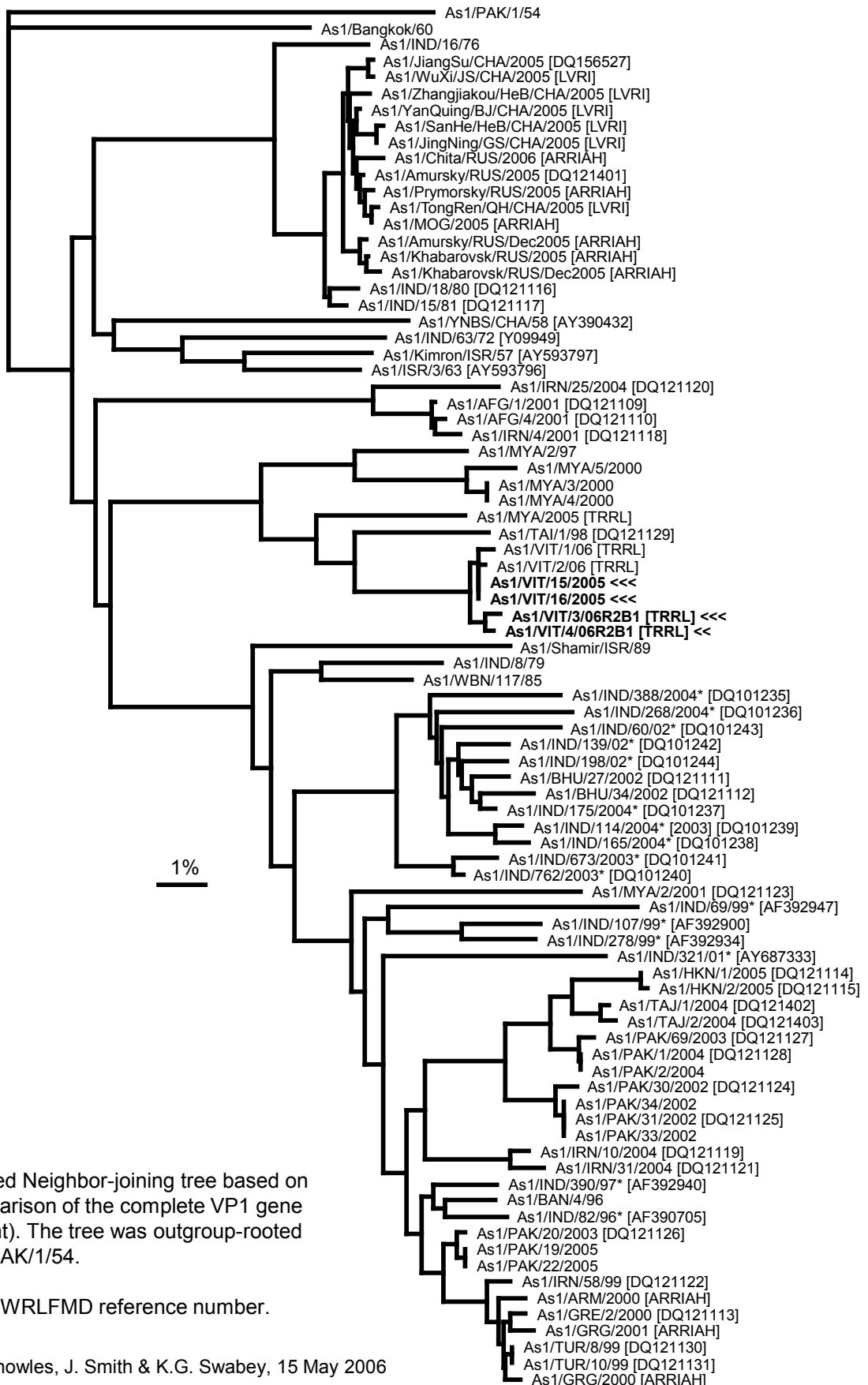


Serotype: ASIA1	Report date: 15/05/2006						
WRL Ref No: VIT/15/2005							
Sender Ref: 573-05							
Date collected: 18/10/2005	Topotype: none defined						
Date received by WRLFMD: 05/04/2006	Genotype/strain: none designated						
Date received for sequencing: 13/04/2006	Sequence filename: VIT05-15.SEQ						
Species: Cattle	Date sequence last updated: 24/04/2006						
Material used: BHK2 BTy1	Total no. of comparisons: 429						
Region sequenced: VP1	Min. no. of nt for comparison: 300						
RT-PCR primers: As1-1C530F/EUR-2B52R; As1-1C613F/EUR-2B52R	Total turn-around time: 40 days						
No. of Nt determined: 633	Sequencing time: 32 days						
No. of ambiguities: 0							
Gene length: 633							
Comments:							
Ten Most Closely Related Viruses							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	As1/VIT/16/2005	VIT05-16	633	633	0	100	0
2	As1/VIT/2/06 [TRRL]	VIT06-AB	633	632	0	99.84	0.16
3	As1/VIT/1/06 [TRRL]	VIT06-AA	633	631	0	99.68	0.32
4	As1/VIT/4/06R2B1 [TRRL]	VIT06-AD	633	629	0	99.37	0.63
5	As1/VIT/3/06R2B1 [TRRL]	VIT06-AC	633	628	0	99.21	0.79
6	As1/TAI/1/98 [DQ121129]	TAI98-01	632	597	1	94.46	5.54
7	As1/TAI/85 vs	TAI85-AA	633	590	0	93.21	6.79
8	As1/TAI/5/96	TAI96-05	633	590	0	93.21	6.79
9	As1/TAI/87	TAI87-AA	633	589	0	93.05	6.95
10	As1/MAY/34/95	MAY95-34	349	324	3	92.84	7.16
Relationships to Reference Virus Strains							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	As1/TAI/85 vs	TAI85-AA	633	590	0	93.21	6.79
2	As1/CAM/9/80	CAM80-09	633	565	0	89.26	10.74
3	As1/IND/8/79	IND79-08	633	543	0	85.78	14.22
4	As1/Kimron/ISR/57 [AY593797]	ISR57KIM	633	537	0	84.83	15.17
5	As1/IND/WBN/117/85* [AY687334]	IND85-AA	633	535	0	84.52	15.48
6	As1/YNBS/CHA/58 [AY390432]	CHA58-AA	633	531	0	83.89	16.11
7	As1/Shamir/ISR/89	ISR89--A	633	528	0	83.41	16.59
8	As1/IND/63/72 [Y09949]	IND72B63	630	525	0	83.33	16.67
9	As1/PAK/1/54	PAK54-01	630	521	0	82.7	17.3
nt, nucleotides							
*, not a WRLFMD reference number							

Serotype: ASIA1	Report date: 15/05/2006						
WRL Ref No: VIT/16/2005							
Sender Ref: 587-05							
Date collected: 27/10/2005	Topotype: none defined						
Date received by WRLFMD: 05/04/2006	Genotype/strain: none designated						
Date received for sequencing: 13/04/2006	Sequence filename: VIT05-16.SEQ						
Species: Cattle	Date sequence last updated: 24/04/2006						
Material used: BTy1	Total no. of comparisons: 429						
Region sequenced: VP1	Min. no. of nt for comparison: 300						
RT-PCR primers: As1-1C530F/EUR-2B52R; As1-1C613F/EUR-2B52R	Total turn-around time: 40 days						
No. of Nt determined: 633	Sequencing time: 32 days						
No. of ambiguities: 0							
Gene length: 633							
Comments:							
Ten Most Closely Related Viruses							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	As1/VIT/15/2005	VIT05-15	633	633	0	100	0
2	As1/VIT/2/06 [TRRL]	VIT06-AB	633	632	0	99.84	0.16
3	As1/VIT/1/06 [TRRL]	VIT06-AA	633	631	0	99.68	0.32
4	As1/VIT/4/06R2B1 [TRRL]	VIT06-AD	633	629	0	99.37	0.63
5	As1/VIT/3/06R2B1 [TRRL]	VIT06-AC	633	628	0	99.21	0.79
6	As1/TAI/1/98 [DQ121129]	TAI98-01	632	597	1	94.46	5.54
7	As1/TAI/85 vs	TAI85-AA	633	590	0	93.21	6.79
8	As1/TAI/5/96	TAI96-05	633	590	0	93.21	6.79
9	As1/TAI/87	TAI87-AA	633	589	0	93.05	6.95
10	As1/MAY/34/95	MAY95-34	349	324	3	92.84	7.16
Relationships to Reference Virus Strains							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	As1/TAI/85 vs	TAI85-AA	633	590	0	93.21	6.79
2	As1/CAM/9/80	CAM80-09	633	565	0	89.26	10.74
3	As1/IND/8/79	IND79-08	633	543	0	85.78	14.22
4	As1/Kimron/ISR/57 [AY593797]	ISR57KIM	633	537	0	84.83	15.17
5	As1/IND/WBN/117/85* [AY687334]	IND85-AA	633	535	0	84.52	15.48
6	As1/YNBS/CHA/58 [AY390432]	CHA58-AA	633	531	0	83.89	16.11
7	As1/Shamir/ISR/89	ISR89--A	633	528	0	83.41	16.59
8	As1/IND/63/72 [Y09949]	IND72B63	630	525	0	83.33	16.67
9	As1/PAK/1/54	PAK54-01	630	521	0	82.7	17.3
nt, nucleotides							
*, not a WRLFMD reference number							

Report on FMDV Asia 1 in Vietnam 2005-06 (including two sequences received from TRRL)



Unrooted Neighbor-joining tree based on a comparison of the complete VP1 gene (~633 nt). The tree was outgroup-rooted using PAK/1/54.

* Not a WRLFMD reference number.