

Serotype: ASIA1
 WRL Ref No: KRG/1/2004
 Sender Ref: Asia 1 12 nacc 26.02.07
 Date collected: 2004
 Date received by WRLFMD: 22/03/2007
 Date received for sequencing: 29/03/2007
 Species: Not known
 Material used: BTy1
 Region sequenced: VP1
 RT-PCR primers: As1-1C530F/EUR-2B52R;
 As1-1C613F/EUR-2B52R
 No. of Nt determined: 633
 No. of ambiguities: 0
 Gene length: 633

Report date: 30/04/2007
 Topotype: none defined
 Genotype/strain: none designated
 Sequence filename: KRG04-01.SEQ
 Date sequence last updated: 26/04/2007
 Total no. of comparisons: 311
 Min. no. of nt for comparison: 300
 Total turn-around time: 39 days
 Sequencing time: 32 days

Comments:

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	As1/AFG/2004 G (PIADC)	AFG04-AG	633	628	0	99.21	0.79
2	As1/AFG/2004 H (PIADC)	AFG04-AH	633	627	0	99.05	0.95
3	As1/TAJ/2/2004 [DQ121403]	TAJ04--B	633	626	0	98.89	1.11
4	As1/TAJ/5/2004 (ARRIAH)	TAJ04--E	633	626	0	98.89	1.11
5	As1/TAJ/1/2004 [DQ121402]	TAJ04--A	633	625	0	98.74	1.26
6	As1/TAJ/3/2004 (ARRIAH)	TAJ04--C	633	625	0	98.74	1.26
7	As1/TAJ/6/2004 (ARRIAH)	TAJ04--F	633	625	0	98.74	1.26
8	As1/AFG/2004 C (PIADC)	AFG04-AC	633	624	0	98.58	1.42
9	As1/AFG/2004 E (PIADC)	AFG04-AE	633	624	0	98.58	1.42
10	As1/PAK/1/2004 [DQ121128]	PAK04-01	633	624	0	98.58	1.42

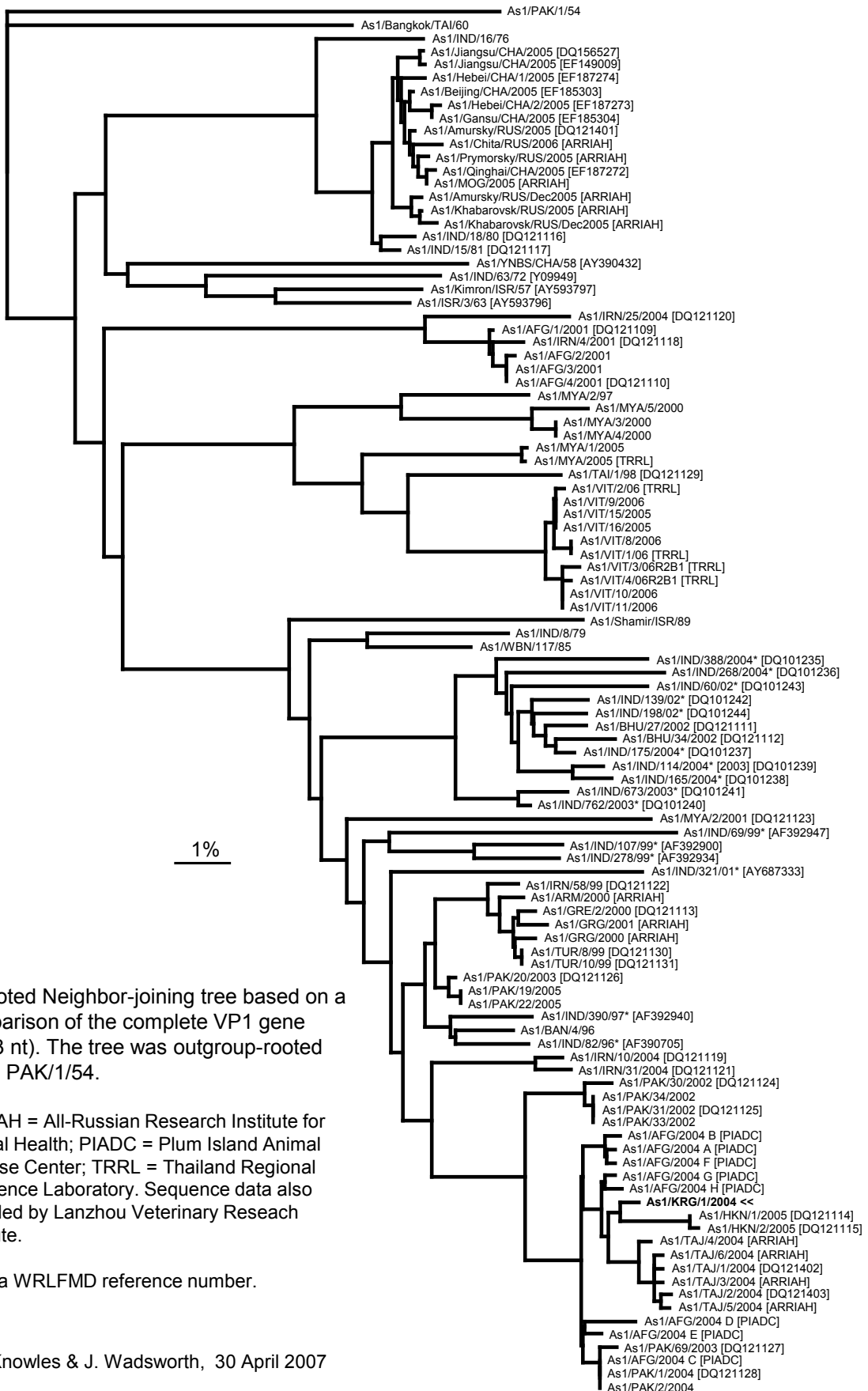
Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	As1/IND/WBN/117/85* [AY687334]	IND85-AA	633	582	0	91.94	8.06
2	As1/IND/8/79	IND79-08	633	577	0	91.15	8.85
3	As1/Shamir/ISR/89	ISR89--A	633	562	0	88.78	11.22
4	As1/TAI/85 vs	TAI85-AA	633	539	0	85.15	14.85
5	As1/Kimron/ISR/57 (AY593797)	ISR57KIM	633	532	0	84.04	15.96
6	As1/IND/63/72 [Y09949]	IND72B63	630	527	0	83.65	16.35
7	As1/YNBS/CHA/58 [AY390432]	CHA58-AA	633	523	0	82.62	17.38
8	As1/CAM/9/80	CAM80-09	633	519	0	81.99	18.01
9	As1/PAK/1/54	PAK54-01	630	507	0	80.48	19.52
10	As1/IND/WBN/117/85* [AY687334]	IND85-AA	633	582	0	91.94	8.06

nt, nucleotides

*, not a WRLFMD reference number

Report on FMDV Asia 1 in Kyrgyzstan in 2004



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

ARRIAH = All-Russian Research Institute for Animal Health; PIADC = Plum Island Animal Disease Center; TRRL = Thailand Regional Reference Laboratory. Sequence data also provided by Lanzhou Veterinary Research Institute.

* Not a WRLFMD reference number.

N.J. Knowles & J. Wadsworth, 30 April 2007