

Serotype: ASIA1	Report date: 13/07/2005
WRL Ref No: Armenia/2000	
Date collected: 2000	
Date received by WRLFMD: 08/07/2005 (seq only)	Topotype: none defined
Species: Cattle	Genotype/strain: none designated
Material used: not known	Sequence filename: ARM00-AA.SEQ
Region sequenced: VP1	Date sequence last updated: 08/07/2005
RT-PCR primers: not known	Total no. of comparisons: 364
No. of Nt determined: 611	Min. no. of nt for comparison: 300
No. of ambiguities: 1	Total turn-around time: 5 days
Gene length: 633	

Comments: VP1 sequence sent from Dr. V.M. Zakharov & Dr. A.V. Scherbakov, ARRIAH.

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	As1/TUR/10/99 [DQ121131]	TUR99-10	611	606	1	99.18	0.82
2	As1/TUR/8/99 [DQ121130]	TUR99-08	611	606	1	99.18	0.82
3	As1/TUR/6/2000	TUR00-06	611	605	1	99.02	0.98
4	As1/GRG/2000 [ARRIAH]	GRG00-AA	609	603	3	99.01	0.99
5	As1/GRE/2/2000 [DQ121113]	GRE00-02	611	604	1	98.85	1.15
6	As1/GRG/2001 [ARRIAH]	GRG01-AA	611	603	1	98.69	1.31
7	As1/IRN/58/99 [DQ121122]	IRN99-58	611	602	1	98.53	1.47
8	As1/TUR/3/2000	TUR00-03	611	602	1	98.53	1.47
9	As1/PAK/20/2003 [DQ121126]	PAK03-20	611	599	1	98.04	1.96
10	As1/PAK/3/98	PAK98-03	586	569	6	97.1	2.9

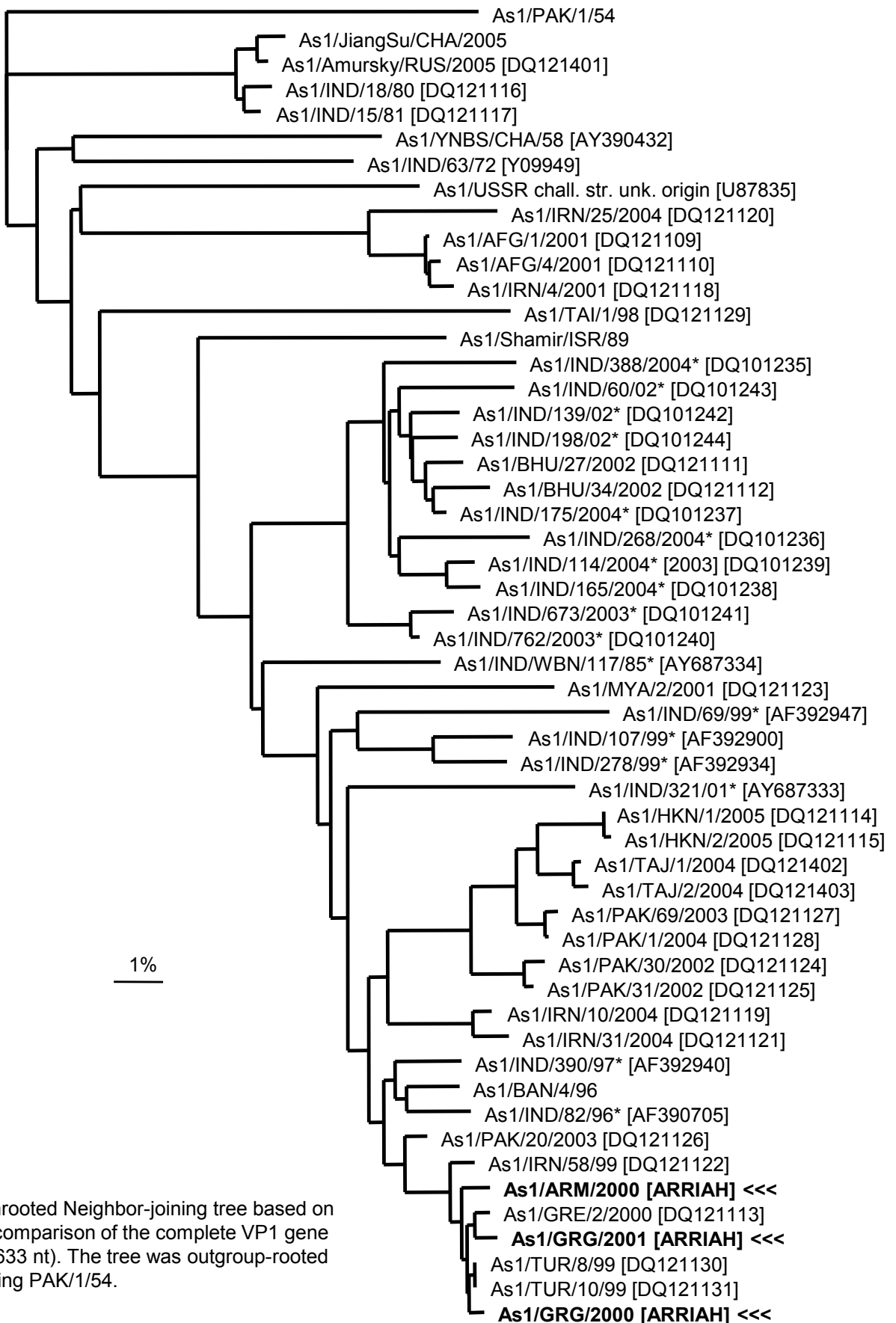
Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	As1/IND/WBN/117/85* [AY687334]	IND85-AA	611	561	1	91.82	8.18
2	As1/IND/8/79	IND79-08	611	557	1	91.16	8.84
3	As1/Shamir/ISR/89	ISR89--A	611	543	1	88.87	11.13
4	As1/Kimron/ISR/57 [AY593797]	ISR57KIM	611	519	1	84.94	15.06
5	As1/TAI/85 vs	TAI85-AA	589	500	2	84.89	15.11
6	As1/IND/63/72 [Y09949]	IND72B63	608	513	1	84.38	15.63
7	As1/CAM/9/80	CAM80-09	611	515	1	84.29	15.71
8	As1/YNBS/CHA/58 [AY390432]	CHA58-AA	611	508	1	83.14	16.86
9	As1/PAK/1/54	PAK54-01	608	485	1	79.77	20.23

nt, nucleotides

*, not a WRLFMD reference number

Report on FMDV Asia 1 – Armenia 2000 & Georgia 2000-01



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