

Serotype: Asia 1				Report date: 10/01/2005			
WRL Ref No: PAK/1/2004							
Date collected: not known							
Date received: 17/12/2004							
Species: not known				Topotype: none defined			
Material used: BTy1				Genotype/strain: none designated			
Region sequenced: VP1				Sequence filename: PAK04-01.SEQ			
RT-PCR primers: As1-1C530F/NK61				Date sequence last updated: 07/01/2004			
No. of Nt determined: 633				Total no. of comparisons: 317			
No. of ambiguities: 0				Min. no. of nt for comparison: 300			
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/PAK/2/2004	PAK04-02	633	633	0	100	0
2	As1/PAK/69/2003	PAK03-69	633	631	0	99.68	0.32
3	As1/PAK/34/2002	PAK02-34	633	617	0	97.47	2.53
4	As1/PAK/33/2002	PAK02-33	633	617	0	97.47	2.53
5	As1/PAK/31/2002	PAK02-31	633	617	0	97.47	2.53
6	As1/PAK/35/2002	PAK02-35	581	566	4	97.42	2.58
7	As1/PAK/32/2002	PAK02-32	603	587	0	97.35	2.65
8	As1/PAK/30/2002	PAK02-30	633	615	0	97.16	2.84
9	As1/PAK/20/2003	PAK03-20	631	602	2	95.4	4.6
10	As1/IRN/10/2004	IRN04-10	633	599	0	94.63	5.37
Relationships to Reference Virus Strains							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	As1/IND/8/79	IND79-08	166	154	2	92.77	7.23
2	As1/IND/WBN/117/85* [AY687334]	IND85-AA	633	581	0	91.79	8.21
3	As1/Shamir/ISR/89	ISR89--A	633	566	0	89.42	10.58
4	As1/TAI/85 vs	TAI85-AA	590	501	1	84.92	15.08
5	As1/IND/63/72 [Y09949]	IND72B63	630	531	0	84.29	15.71
6	As1/YNBS/CHA/58 [AY390432]	CHA58-AA	633	525	0	82.94	17.06
7	As1/CAM/9/80	CAM80-09	583	483	5	82.85	17.15
8	As1/PAK/1/54	PAK54-01	630	508	0	80.63	19.37
nt, nucleotides							
*, not a WRLFMD reference number							

Serotype: Asia 1	Report date: 10/01/2005
WRL Ref No: PAK/2/2004	
Date collected: not known	
Date received: 17/12/2004	
Species: not known	Topotype: none defined
Material used: BTy2	Genotype/strain: none designated
Region sequenced: VP1	Sequence filename: PAK04-02.SEQ
RT-PCR primers: As1-1C530F/NK61	Date sequence last updated: 07/01/2004
No. of Nt determined: 633	Total no. of comparisons: 317
No. of ambiguities: 0	Min. no. of nt for comparison: 300
Gene length: 633	

Comments:

Ten Most Closely Related Viruses

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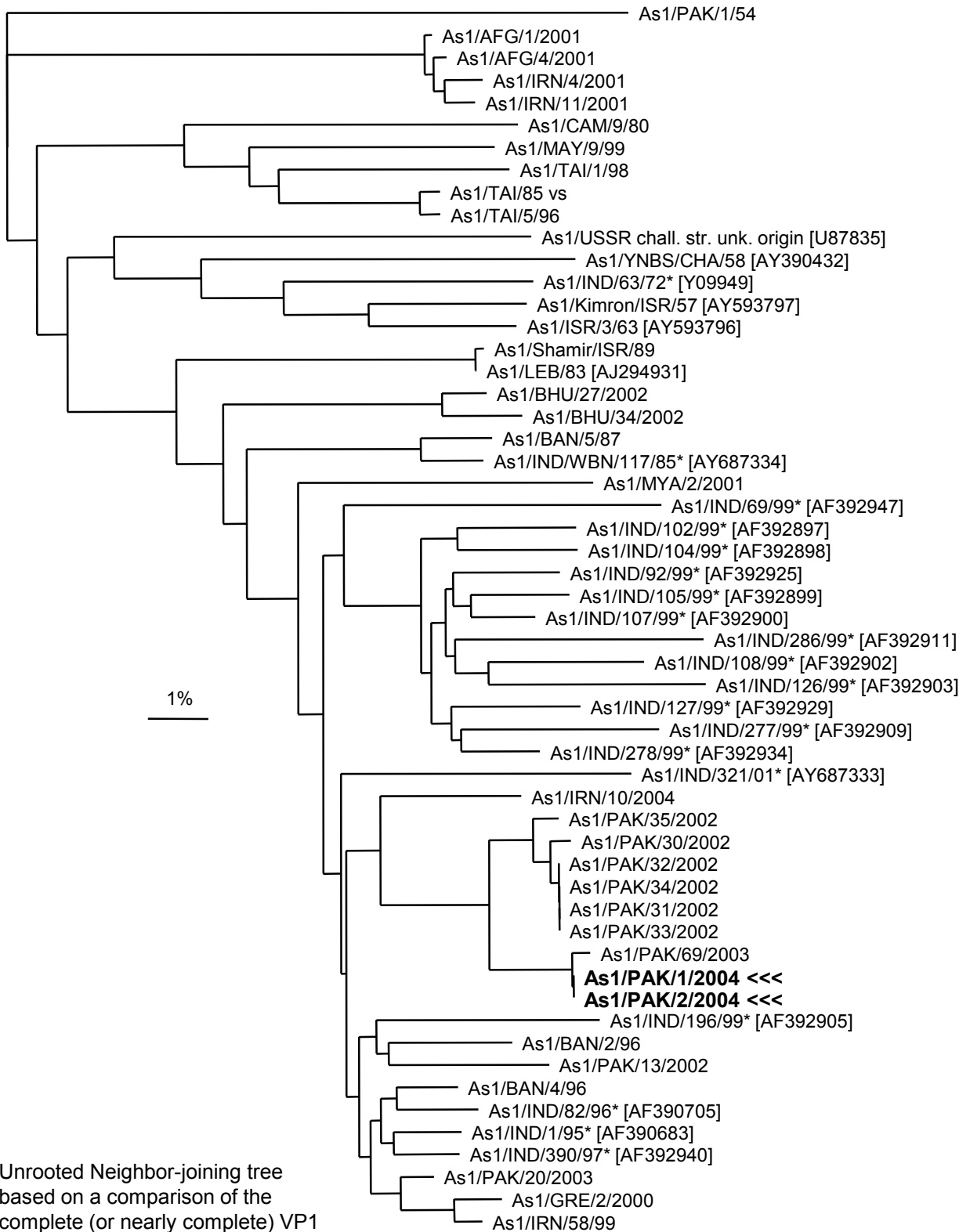
Relationships to Reference Virus Strains

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nt, nucleotides

*, not a WRLFMD reference number

Report on: FMDV Asia 1 in Pakistan in 2004



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