

**Report from the Molecular Epidemiology Section of the Dept. of Exotic Disease Control to
the Head of the World Reference Laboratory for FMD (Non-QAU Form)**

Serotype: Asia 1		Report date: 05/02/2004					
Virus isolate: PAK/69/2003							
Material used: 10% epith. susp.							
Region sequenced: VP1		Topotype: none designated					
RT-PCR primers: As1-1C616/NK61		Genotype/strain: none designated					
No. of nt determined: 633		Seq. filename: PAK03-69					
No. nt in gene: 633		Date seq. last updated: 30/01/2004					
No. of ambiguities: 0		Total no. of comparisons made: 211					
Comments:							
Ten Most Closely Related Viruses							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	As1/PAK/35/2002	PAK02-35	581	566	4	97.42	2.58
2	As1/PAK/33/2002	PAK02-33	633	615	0	97.16	2.84
3	As1/PAK/34/2002	PAK02-34	633	615	0	97.16	2.84
4	As1/PAK/31/2002	PAK02-31	633	615	0	97.16	2.84
5	As1/PAK/32/2002	PAK02-32	603	585	0	97.01	2.99
6	As1/PAK/30/2002	PAK02-30	633	613	0	96.84	3.16
7	As1/SAU/40/94	SAU94-40	165	158	0	95.76	4.24
8	As1/SAU/39/94	SAU94-39	165	157	0	95.15	4.85
9	As1/IND/40/95	IND95-40	165	157	0	95.15	4.85
10	As1/IND/43/95	IND95-43	165	157	0	95.15	4.85
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/WBN/117/85*	IND85117	165	151	0	91.52	8.48
3	As1/Shamir/ISR/89	ISR89--A	633	564	0	89.10	10.90
4	As1/TAI/1/85	TAI85-01	147	125	0	85.03	14.97
5	As1/IND/63/72*	IND72B63	630	531	0	84.29	15.71
6	As1/CAM/9/80	CAM80-09	583	481	5	82.50	17.50
7	As1/PAK/1/54	PAK54-01	630	508	0	80.63	19.37
nt, nucleotides							
*, not a WRLFMD reference number							