

**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: O		Report date: 10/02/2004					
Virus isolate: PHI/10/2003							
Material used: 10% epith. susp.							
Region sequenced: VP1		Topotype: Cathay					
RT-PCR primers: O-1C272F/NK61		Genotype/strain: not designated					
No. of nt determined: 639		Seq. filename: PHI03-10					
No. nt in gene: 0		Date sequence last updated: 09/02/2004					
No. of ambiguities: 639		Total no. of comparisons made: 1328					
Comments:							
Ten Most Closely Related Viruses							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/PHI/21/2003	PHI03-21	639	629	0	98.44	1.56
2	O/PHI/23/2003	PHI03-23	639	627	0	98.12	1.88
3	O/PHI/18/2003	PHI03-18	620	597	1	96.29	3.71
4	O/PHI/14/2000	PHI00-14	639	614	0	96.09	3.91
5	O/PHI/5/2003	PHI03-05	639	611	0	95.62	4.38
6	O/PHI/13/2000	PHI00-13	639	610	0	95.46	4.54
7	O/PHI/1/99	PHI99-01	585	556	9	95.04	4.96
8	O/PHI/5/2000	PHI00-05	639	604	0	94.52	5.48
9	O/PHI/5/99	PHI99-05	542	512	7	94.46	5.54
10	O/PHI/16/98	PHI98-16	266	250	3	93.98	6.02
Relationships to Reference Virus Strains							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/PHI/5/95	PHI95-05	516	468	6	90.70	9.30
2	O/HKN/6/83	HKN83-06	637	551	2	86.50	13.50
3	O/ISR/1/88	ISR88-01	193	161	5	83.42	16.58
4	O/TAW/2/99	TAW99-02	639	522	0	81.69	18.31
5	O/MOR/1/91	MOR91-01	207	168	3	81.16	18.84
6	O/IND/53/79	IND79A53	639	518	0	81.06	18.94
7	O1/Manisa/TUR/69	TUR69--E	639	514	0	80.44	19.56
8	O/IND/R2/75*	IND75--A	639	511	0	79.97	20.03
9	O/TAI/189/87*	TAI87--B	527	412	3	78.18	21.82
10	O1/BFS 1860/UK/67	UKG67--A	639	488	0	76.37	23.63
nt, nucleotides							
*, not a WRLFMD reference number							

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the Head of the World Reference Laboratory for FMD (Non-QAU Form)**

Serotype: O		Report date: 10/02/2004					
Virus isolate: PHI/17/2003							
Material used: RS2							
Region sequenced: VP1		Topotype: Cathay					
RT-PCR primers: O-1C272F/NK61		Genotype/strain: not designated					
No. of nt determined: 639		Seq. filename: PHI03-17					
No. nt in gene: 639		Date sequence last updated: 09/02/2004					
No. of ambiguities: 0		Total no. of comparisons made: 1328					
Comments:							
Ten Most Closely Related Viruses							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/PHI/1/99	PHI99-01	585	555	9	94.87	5.13
2	O/PHI/14/2000	PHI00-14	639	605	0	94.68	5.32
3	O/PHI/5/99	PHI99-05	542	510	7	94.10	5.90
4	O/PHI/13/2000	PHI00-13	639	600	0	93.90	6.10
5	O/PHI/9/95	PHI95-09	108	101	0	93.52	6.48
6	O/PHI/5/2000	PHI00-05	639	597	0	93.43	6.57
7	O/PHI/5/2003	PHI03-05	639	594	0	92.96	7.04
8	O/PHI/3/95	PHI95-03	151	140	8	92.72	7.28
9	O/PHI/2/95	PHI95-02	163	151	2	92.64	7.36
10	O/PHI/8/2000	PHI00-08	637	589	2	92.46	7.54
Relationships to Reference Virus Strains							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/PHI/5/95	PHI95-05	516	462	6	89.53	10.47
2	O/HKN/6/83	HKN83-06	637	548	2	86.03	13.97
3	O/IND/53/79	IND79A53	639	518	0	81.06	18.94
4	O/TAW/2/99	TAW99-02	639	515	0	80.59	19.41
5	O/IND/R2/75*	IND75--A	639	507	0	79.34	20.66
6	O/MOR/1/91	MOR91-01	207	164	3	79.23	20.77
7	O1/Manisa/TUR/69	TUR69--E	639	504	0	78.87	21.13
8	O/ISR/1/88	ISR88-01	193	151	5	78.24	21.76
9	O/TAI/189/87*	TAI87--B	527	410	3	77.80	22.20
10	O1/BFS 1860/UK/67	UKG67--A	639	485	0	75.90	24.10
nt, nucleotides							
*, not a WRLFMD reference number							