

**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)**

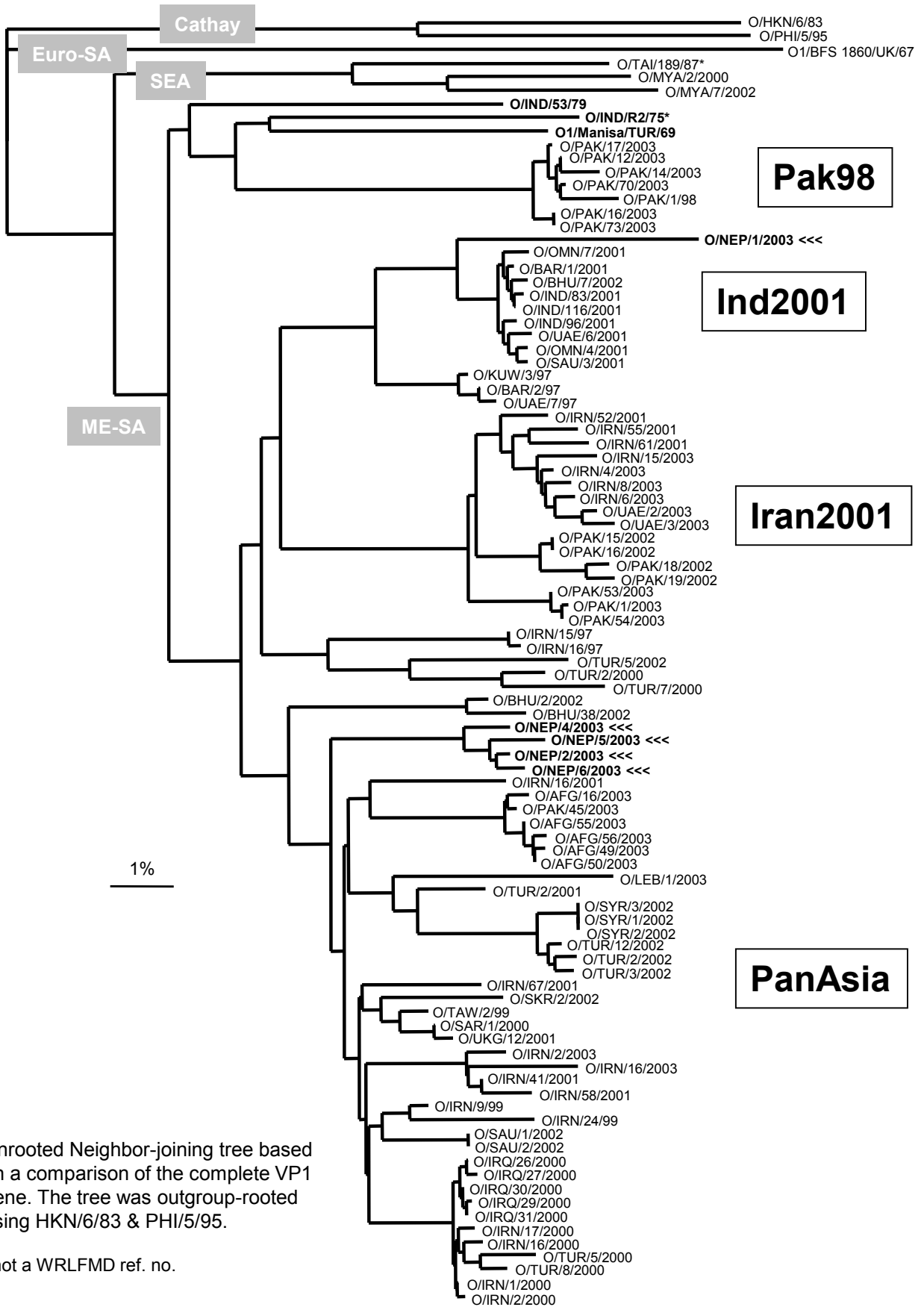
Serotype: O		Report date: 06/02/2004					
Virus isolate: NEP/2/2003							
Material used: BTy1							
Region sequenced: VP1		Topotype: ME-SA					
RT-PCR primers: O-1C272F/NK61		Genotype/strain: PanAsia					
No. of nt determined: 638		Seq. filename: NEP03-02					
No. nt in gene: 639		Date sequence last updated: 04/12/2003					
No. of ambiguities: 1		Total no. of comparisons made: 1326					
Comments:							
Ten Most Closely Related Viruses							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/NEP/6/2003	NEP03-06	638	634	1	99.37	0.63
2	O/NEP/4/2003	NEP03-04	638	631	1	98.90	1.10
3	O/NEP/5/2003	NEP03-05	638	631	1	98.90	1.10
4	O/VIT/2/2002	VIT02-02	488	469	4	96.11	3.89
5	O/LEB/14/98	LEB98-14	613	589	4	96.08	3.92
6	O/UAE/7/99	UAE99-07	253	243	5	96.05	3.95
7	O/UAE/2/99	UAE99-02	223	214	8	95.96	4.04
8	O/LEB/6/98	LEB98-06	559	536	1	95.89	4.11
9	O/LEB/17/98	LEB98-17	623	597	4	95.83	4.17
10	O/SYR/1/98	SYR98-01	623	597	10	95.83	4.17
Relationships to Reference Virus Strains							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/TAW/2/99	TAW99-02	638	610	1	95.61	4.39
2	O/IND/53/79	IND79A53	638	574	1	89.97	10.03
3	O/IND/R2/75*	IND75--A	638	571	1	89.50	10.50
4	O1/Manisa/TUR/69	TUR69--E	638	565	1	88.56	11.44
5	O/ISR/1/88	ISR88-01	193	167	5	86.53	13.47
6	O/TAI/189/87*	TAI87--B	527	455	3	86.34	13.66
7	O/MOR/1/91	MOR91-01	207	177	3	85.51	14.49
8	O/PHI/5/95	PHI95-05	516	418	6	81.01	18.99
9	O/HKN/6/83	HKN83-06	636	511	3	80.35	19.65
10	O1/BFS 1860/UK/67	UKG67--A	638	507	1	79.47	20.53
nt, nucleotides							
*, not a WRLFMD reference number							

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Serotype: O		Report date: 06/02/2004					
Virus isolate: NEP/4/2003							
Material used: BTy1							
Region sequenced: VP1		Topotype: ME-SA					
RT-PCR primers: O-1C272F/NK61		Genotype/strain: PanAsia					
No. of nt determined: 639		Seq. filename: NEP03-04					
No. nt in gene: 639		Date sequence last updated: 05/02/2004					
No. of ambiguities: 0		Total no. of comparisons made: 1326					
Comments:							
Ten Most Closely Related Viruses							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/NEP/2/2003	NEP03-02	638	631	1	98.90	1.10
2	O/NEP/6/2003	NEP03-06	639	630	0	98.59	1.41
3	O/NEP/5/2003	NEP03-05	639	625	0	97.81	2.19
4	O/IND/289/97*	IND97-AW	165	159	0	96.36	3.64
5	O/IND/61/97* (1996)	IND96-AB	165	159	0	96.36	3.64
6	O/IND/209/99* (1998)	IND98-AU	165	159	0	96.36	3.64
7	O/VIT/2/2002	VIT02-02	488	470	4	96.31	3.69
8	O/BAR/1/99	BAR99-01	323	311	0	96.28	3.72
9	O/IND/160/99*	IND99-AF	209	201	1	96.17	3.83
10	O/YEM/6/98	YEM98-06	413	397	31	96.13	3.87
Relationships to Reference Virus Strains							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/TAW/2/99	TAW99-02	639	610	0	95.46	4.54
2	O/IND/53/79	IND79A53	639	578	0	90.45	9.55
3	O/IND/R2/75*	IND75--A	639	571	0	89.36	10.64
4	O1/Manisa/TUR/69	TUR69--E	639	567	0	88.73	11.27
5	O/TAI/189/87*	TAI87--B	527	460	3	87.29	12.71
6	O/ISR/1/88	ISR88-01	193	167	5	86.53	13.47
7	O/MOR/1/91	MOR91-01	207	179	3	86.47	13.53
8	O/PHI/5/95	PHI95-05	516	420	6	81.40	18.60
9	O/HKN/6/83	HKN83-06	637	513	2	80.53	19.47
10	O1/BFS 1860/UK/67	UKG67--A	639	512	0	80.13	19.87
nt, nucleotides							
*, not a WRLFMD reference number							

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Serotype: O	Report date: 06/02/2004						
Virus isolate: NEP/5/2003							
Material used: BTy1							
Region sequenced: VP1	Topotype: ME-SA						
RT-PCR primers: O-1C272F/NK61	Genotype/strain: PanAsia						
No. of nt determined: 639	Seq. filename: NEP03-05						
No. nt in gene: 639	Date sequence last updated: 05/02/2004						
No. of ambiguities: 0	Total no. of comparisons made: 1326						
Comments:							
Ten Most Closely Related Viruses							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/NEP/2/2003	NEP03-02	638	631	1	98.90	1.10
2	O/NEP/6/2003	NEP03-06	639	630	0	98.59	1.41
3	O/NEP/4/2003	NEP03-04	639	625	0	97.81	2.19
4	O/VIT/2/2002	VIT02-02	488	465	4	95.29	4.71
5	O/LEB/14/98	LEB98-14	614	585	3	95.28	4.72
6	O/UAE/7/99	UAE99-07	254	242	4	95.28	4.72
7	O/IRN/12/98	IRN98-12	418	398	26	95.22	4.78
8	O/LEB/17/98	LEB98-17	624	594	3	95.19	4.81
9	O/LEB/9/98	LEB98-09	582	554	17	95.19	4.81
10	O/TAW/3/99	TAW99-03	454	432	11	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	O/TAW/2/99	TAW99-02	639	606	0	94.84	5.16
2	O/IND/53/79	IND79A53	639	569	0	89.05	10.95
3	O/IND/R2/75*	IND75--A	639	567	0	88.73	11.27
4	O1/Manisa/TUR/69	TUR69--E	639	563	0	88.11	11.89
5	O/ISR/1/88	ISR88-01	193	167	5	86.53	13.47
6	O/MOR/1/91	MOR91-01	207	177	3	85.51	14.49
7	O/TAI/189/87*	TAI87--B	527	449	3	85.20	14.80
8	O/PHI/5/95	PHI95-05	516	417	6	80.81	19.19
9	O/HKN/6/83	HKN83-06	637	508	2	79.75	20.25
10	O1/BFS 1860/UK/67	UKG67--A	639	509	0	79.66	20.34
nt, nucleotides							
*, not a WRLFMD reference number							



Unrooted Neighbor-joining tree based on a comparison of the complete VP1 gene. The tree was outgroup-rooted using HKN/6/83 & PHI/5/95.

* not a WRLFMD ref. no.