

Sequencing results for a type O FMD virus isolate received on 20/8/02 from the Palestine Autonomous Territories (PAT 2/2002 / ISR 2/2002) and a type O FMD virus isolate received from the Palestinian National Authority area near Ramallah on 17th January 2003 (PAT 3/2002)

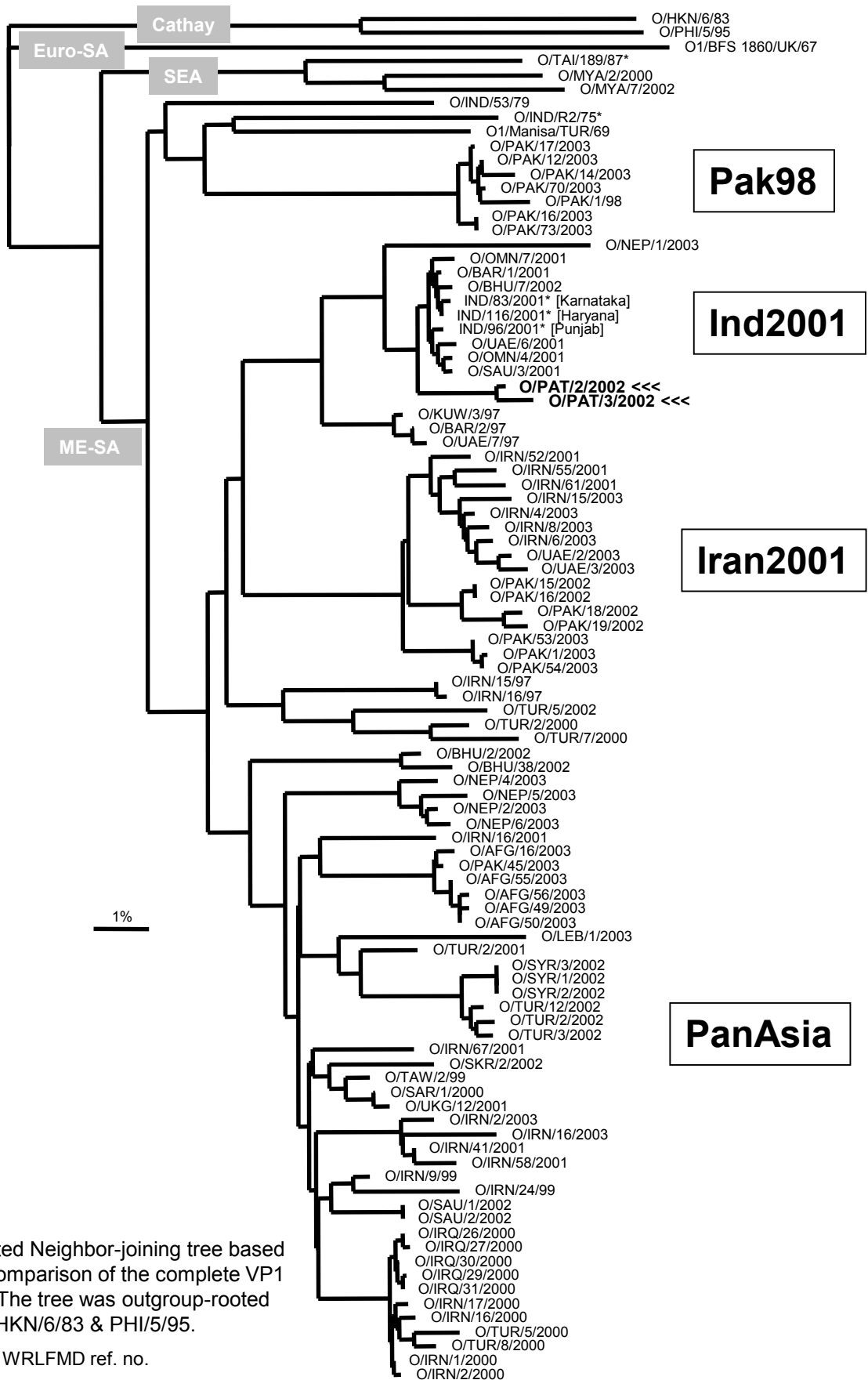
Report from the Molecular Epidemiology Section of the Dept. of Exotic Disease Control to the Head of the World Reference Laboratory for FMD (Non-QAU Form)

Serotype: O		Report date: 18/02/2004					
Virus isolate: PAT/2/2002							
Material used: BHK1 BTy1							
Region sequenced: VP1		Topotype: ME-SA					
RT-PCR primers: O-1C272F/NK61, O-1C499F/NK61 & O-1C583F/NK61		Genotype/strain: Ind2001					
No. of nt determined: 639		Seq. filename: PAT02-02					
No. nt in gene: 639		Date sequence last updated: 18/02/2004					
No. of ambiguities: 0		Total no. of comparisons made: 1335					
Comments: PAT = Palestinian Autonomous Territories							
Ten Most Closely Related Viruses							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/PAT/3/2002	PAT02-03	639	634	0	99.22	0.78
2	O/OMN/4/2001	OMN01-04	639	628	0	98.28	1.72
3	O/SAU/3/2001	SAU01-03	637	626	2	98.27	1.73
4	IND/96/2001*	IND01-AB	639	627	0	98.12	1.88
5	IND/116/2001*	IND01-AC	639	627	0	98.12	1.88
6	IND/83/2001*	IND01-AA	639	626	0	97.97	2.03
7	O/BAR/1/2001	BAR01-01	639	626	0	97.97	2.03
8	O/UAE/6/2001	UAE01-06	639	626	0	97.97	2.03
9	O/BHU/7/2002	BHU02-07	637	623	2	97.80	2.20
10	O/OMN/7/2001	OMN01-07	639	624	0	97.65	2.35
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	585	0	91.55	8.45
2	O1/Manisa/TUR/69	TUR69--E	639	562	0	87.95	12.05
3	O/IND/R2/75*	IND75--A	639	560	0	87.64	12.36
4	O/ISR/1/88	ISR88-01	193	168	5	87.05	12.95
5	O/IND/53/79	IND79A53	639	556	0	87.01	12.99
6	O/MOR/1/91	MOR91-01	207	179	3	86.47	13.53
7	O/TAI/189/87*	TAI87--B	527	449	3	85.20	14.80
8	O1/BFS 1860/UK/67	UKG67--A	639	519	0	81.22	18.78
9	O/HKN/6/83	HKN83-06	637	511	2	80.22	19.78
10	O/PHI/5/95	PHI95-05	516	413	6	80.04	19.96
nt, nucleotides							
*, not a WRLFMD reference number							

**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: 18/02/2004					
Virus isolate: PAT/3/2002							
Material used: BTy1							
Region sequenced: VP1		Topotype: ME-SA					
RT-PCR primers: O-1C272F/NK61 & O-1C583F/NK61		Genotype/strain: Ind2001					
No. of nt determined: 639		Seq. filename: PAT02-03					
No. nt in gene: 639		Date sequence last updated: 18/02/2004					
No. of ambiguities: 0		Total no. of comparisons made: 1335					
Comments: PAT = Palestinian Autonomous Territories							
Ten Most Closely Related Viruses							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/PAT/2/2002	PAT02-02	639	634	0	99.22	0.78
2	O/OMN/4/2001	OMN01-04	639	623	0	97.50	2.50
3	O/SAU/3/2001	SAU01-03	637	621	2	97.49	2.51
4	IND/96/2001*	IND01-AB	639	622	0	97.34	2.66
5	IND/116/2001*	IND01-AC	639	622	0	97.34	2.66
6	IND/83/2001*	IND01-AA	639	621	0	97.18	2.82
7	O/BAR/1/2001	BAR01-01	639	621	0	97.18	2.82
8	O/UAE/6/2001	UAE01-06	639	621	0	97.18	2.82
9	O/BHU/7/2002	BHU02-07	637	618	2	97.02	2.98
10	O/OMN/7/2001	OMN01-07	639	619	0	96.87	3.13
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	582	0	91.08	8.92
2	O1/Manisa/TUR/69	TUR69--E	639	561	0	87.79	12.21
3	O/IND/R2/75*	IND75--A	639	557	0	87.17	12.83
4	O/ISR/1/88	ISR88-01	193	168	5	87.05	12.95
5	O/IND/53/79	IND79A53	639	555	0	86.85	13.15
6	O/MOR/1/91	MOR91-01	207	178	3	85.99	14.01
7	O/TAI/189/87*	TAI87--B	527	445	3	84.44	15.56
8	O1/BFS 1860/UK/67	UKG67--A	639	518	0	81.06	18.94
9	O/PHI/5/95	PHI95-05	516	413	6	80.04	19.96
10	O/HKN/6/83	HKN83-06	637	509	2	79.91	20.09
nt, nucleotides							
*, not a WRLFMD reference number							

Report on FMDV-O PAT/2/2002 & PAT/3/2002



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.

Note: PAT = Palestinian Autonomous Territories