

**Report from the Molecular Epidemiology Section of the Experimental Epidemiology Group to the
Head of the World Reference Laboratory for FMD (Non-QAU Form)**

Serotype: O	Date: 08/06/2003						
Virus isolate: IRN/58/2001	Reported by: N.J. Knowles						
Material used: BTy1	Signed (file copy only):						
Region sequenced: VP1	Seq. filename: IRN01-58						
RT-PCR primer set: O-1C283F/NK61							
Topotype: ME-SA	No. of ambiguities: 0						
Genotype/strain: PanAsia	Date seq. last updated: 08/06/2003						
No. of nt determined / no. in gene: 639 / 639	Total no. of comparisons made: 1304						
Comments:							
Ten Most Closely Related Viruses							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/IRN/41/2001	IRN01-41	638	633	1	99.22	0.78
2	O/YEM/6/98	YEM98-06	413	405	31	98.06	1.94
3	O/BAR/1/99	BAR99-01	323	316	0	97.83	2.17
4	O/IRN/12/98	IRN98-12	418	408	26	97.61	2.39
5	O/SYR/1/99	SYR99-01	436	425	8	97.48	2.52
6	O/IRN/1/99	IRN99-01	276	269	6	97.46	2.54
7	O/PHI/30/98	PHI98-30	496	482	7	97.18	2.82
8	O/QTR/4/2001	QTR01-04	279	271	11	97.13	2.87
9	O/SAU/1/99	SAU99-01	381	370	0	97.11	2.89
10	O/LEB/14/98	LEB98-14	614	596	3	97.07	2.93
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	615	0	96.24	3.76
2	O/IND/53/79	IND79A53	639	574	0	89.83	10.17
3	O1/Manisa/TUR/69	TUR69--E	639	568	0	88.89	11.11
4	O/IND/R2/75*	IND75--A	639	567	0	88.73	11.27
5	O/TAI/189/87*	TAI87--B	527	460	3	87.29	12.71
6	O/MOR/1/91	MOR91-01	207	178	3	85.99	14.01
7	O/ISR/1/88	ISR88-01	193	165	5	85.49	14.51
8	O/HKN/6/83	HKN83-06	637	513	2	80.53	19.47
9	O/PHI/5/95	PHI95-05	516	415	6	80.43	19.57
10	O1/BFS 1860/UK/67	UKG67--A	639	513	0	80.28	19.72
nt, nucleotides							
*, not a WRLFMD reference number							

cc. Head of Experimental Epidemiology Group

cc. Head of Vesicular Diseases Group