

**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/61/2001	Reported by: N.J. Knowles
Material used: BTy1	Signed (file copy only):
Region sequenced: VP1	Seq. filename: IRN01-61
RT-PCR primer set: O-1C272F/NK61	
Topotype: ME-SA	No. of ambiguities: 1
Genotype/strain: ?	Date seq. last updated: 02/04/2003
No. of nt determined / no. in gene: 638 / 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/18/2001	IRN01-18	430	427	12	99.30	0.70
2	O/IRN/52/2001	IRN01-52	551	543	15	98.55	1.45
3	O/IRN/55/2001	IRN01-55	596	586	1	98.32	1.68
4	O/PAK/16/2002	PAK02-16	638	624	1	97.81	2.19
5	O/PAK/15/2002	PAK02-15	638	624	1	97.81	2.19
6	O/IRN/8/2001	IRN01-08	182	177	15	97.25	2.75
7	O/IRN/48/2001	IRN01-48	351	341	21	97.15	2.85
8	O/LEB/A/95	LEB95--A	197	191	1	96.95	3.05
9	O/ISR/96* (Kseife)	ISR96-0E	237	228	0	96.20	3.80
10	O/ISR/3/95	ISR95-03	263	253	0	96.20	3.80

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	580	1	90.91	9.09
2	O/IND/53/79	IND79A53	638	573	1	89.81	10.19
3	O1/Manisa/TUR/69	TUR69--E	638	565	1	88.56	11.44
4	O/IND/R2/75*	IND75--A	638	564	1	88.40	11.60
5	O/ISR/1/88	ISR88-01	193	170	5	88.08	11.92
6	O/MOR/1/91	MOR91-01	207	181	3	87.44	12.56
7	O/TAI/189/87*	TAI87--B	527	453	3	85.96	14.04
8	O/HKN/6/83	HKN83-06	636	516	3	81.13	18.87
9	O1/BFS 1860/UK/67	UKG67--A	638	516	1	80.88	19.12
10	O/PHI/5/95	PHI95-05	516	415	6	80.43	19.57

nt, nucleotides

*, not a WRLFMD reference number

cc. Head of Experimental Epidemiology Group

cc. Head of Vesicular Diseases Group

**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/67/2001	Reported by: N.J. Knowles						
Material used: BTy1	Signed (file copy only):						
Region sequenced: VP1	Seq. filename: IRN01-67						
RT-PCR primer set: O-1C272F/NK61							
Topotype: ME-SA	No. of ambiguities: 0						
Genotype/strain: PanAsia	Date seq. last updated: 05/04/2003						
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/IND/289/97*	IND97-AW	165	165	0	100.00	0.00
2	O/IND/209/99* (1998)	IND98-AU	165	165	0	100.00	0.00
3	O/IND/61/97* (1996)	IND96-AB	165	165	0	100.00	0.00
4	O/IND/160/99*	IND99-AF	209	208	1	99.52	0.48
5	O/IND/57/98*	IND98-AD	165	164	0	99.39	0.61
6	O/IND/48/98* (1997)	IND97-BC	165	164	0	99.39	0.61
7	O/IND/65/98*	IND98-AF	165	164	0	99.39	0.61
8	O/IND/249/99*	IND99-AL	165	164	0	99.39	0.61
9	O/IND/56/98*	IND98-AC	165	164	0	99.39	0.61
10	O/IND/54/98*	IND98-AA	165	164	0	99.39	0.61
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	622	0	97.34	2.66
2	O1/Manisa/TUR/69	TUR69--E	639	577	0	90.30	9.70
3	O/IND/53/79	IND79A53	639	576	0	90.14	9.86
4	O/IND/R2/75*	IND75--A	639	574	0	89.83	10.17
5	O/ISR/1/88	ISR88-01	193	169	5	87.56	12.44
6	O/MOR/1/91	MOR91-01	207	181	3	87.44	12.56
7	O/TAI/189/87*	TAI87--B	527	454	3	86.15	13.85
8	O/PHI/5/95	PHI95-05	516	417	6	80.81	19.19
9	O/HKN/6/83	HKN83-06	637	514	2	80.69	19.31
10	O1/BFS 1860/UK/67	UKG67--A	639	515	0	80.59	19.41
nt, nucleotides							
*, not a WRLFMD reference number							

cc. Head of Experimental Epidemiology Group

cc. Head of Vesicular Diseases Group