

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: 20/08/2003
Virus isolate: UAE/2/2003	Reported by: N.J. Knowles
Material used: 10% epithelium susp.	Signed (file copy only):
Region sequenced: VP1	Seq. filename: UAE03-02
RT-PCR primer set: O1C-272F/NK61	
Topotype: ME-SA	No. of ambiguities: 1
Genotype/strain: Iran2001	Date seq. last updated: 20/08/2003
No. of nt determined / no. in gene: 557 / 639	Total no. of comparisons made: 1300

Comments:

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/UAE/3/2003	UAE03-03	548	544	1	99.27	0.73
2	O/IRN/6/2003	IRN03-06	556	551	2	99.10	0.90
3	O/IRN/4/2003	IRN03-04	556	551	2	99.10	0.90
4	O/IRN/18/2001	IRN01-18	349	345	12	98.85	1.15
5	O/IRN/8/2003	IRN03-08	557	550	1	98.74	1.26
6	O/IRN/15/2003	IRN03-15	555	545	3	98.20	1.80
7	O/IRN/55/2001	IRN01-55	515	505	1	98.06	1.94
8	O/IRN/61/2001	IRN01-61	557	546	1	98.03	1.97
9	O/IRN/52/2001	IRN01-52	544	531	14	97.61	2.39
10	O/PAK/16/2002	PAK02-16	557	543	1	97.49	2.51

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	557	505	1	90.66	9.34
2	O/IND/53/79	IND79A53	557	501	1	89.95	10.05
3	O1/Manisa/TUR/69	TUR69--E	557	495	1	88.87	11.13
4	O/IND/R2/75*	IND75--A	557	492	1	88.33	11.67
5	O/ISR/1/88	ISR88-01	193	169	5	87.56	12.44
6	O/MOR/1/91	MOR91-01	207	179	3	86.47	13.53
7	O/TAI/189/87*	TAI87--B	526	449	4	85.36	14.64
8	O/HKN/6/83	HKN83-06	555	446	3	80.36	19.64
9	O/PHI/5/95	PHI95-05	515	412	7	80.00	20.00
10	O1/BFS 1860/UK/67	UKG67--A	557	443	1	79.53	20.47

nt, nucleotides

*, not a WRLFMD reference number

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Serotype: O	Date: 20/08/2003
Virus isolate: UAE/3/2003	Reported by: N.J. Knowles
Material used: 10% epithelium susp.	Signed (file copy only):
Region sequenced: VP1	Seq. filename: UAE03-03
RT-PCR primer set: O1C-272F/NK61	
Topotype: ME-SA	No. of ambiguities: 0
Genotype/strain: Iran2001	Date seq. last updated: 20/08/2003
No. of nt determined / no. in gene: 549 / 639	Total no. of comparisons made: 1300

Comments:

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/UAE/2/2003	UAE03-02	548	544	1	99.27	0.73
2	O/IRN/6/2003	IRN03-06	549	542	0	98.72	1.28
3	O/IRN/4/2003	IRN03-04	548	541	1	98.72	1.28
4	O/IRN/8/2003	IRN03-08	549	540	0	98.36	1.64
5	O/IRN/18/2001	IRN01-18	341	335	11	98.24	1.76
6	O/IRN/55/2001	IRN01-55	507	496	0	97.83	2.17
7	O/IRN/15/2003	IRN03-15	547	535	2	97.81	2.19
8	O/IRN/61/2001	IRN01-61	549	536	0	97.63	2.37
9	O/IRN/52/2001	IRN01-52	536	523	13	97.57	2.43
10	O/PAK/16/2002	PAK02-16	549	533	0	97.09	2.91

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	549	496	0	90.35	9.65
2	O/IND/53/79	IND79A53	549	492	0	89.62	10.38
3	O1/Manisa/TUR/69	TUR69--E	549	487	0	88.71	11.29
4	O/IND/R2/75*	IND75--A	549	484	0	88.16	11.84
5	O/ISR/1/88	ISR88-01	193	168	5	87.05	12.95
6	O/MOR/1/91	MOR91-01	207	178	3	85.99	14.01
7	O/TAI/189/87*	TAI87--B	527	449	3	85.20	14.80
8	O/PHI/5/95	PHI95-05	516	412	6	79.84	20.16
9	O/HKN/6/83	HKN83-06	547	435	2	79.52	20.48
10	O1/BFS 1860/UK/67	UKG67--A	549	434	0	79.05	20.95

nt, nucleotides

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