

**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: LEB/1/2003	Reported by: N.J. Knowles
Material used: 10% epithelium susp.	Signed (file copy only):
Region sequenced: VP1	Seq. filename: LEB03-01
RT-PCR primer set: O-1C272F/NK61	
Topotype: ME-SA	No. of ambiguities: 0
Genotype/strain: PanAsia	Date seq. last updated: 07/06/2003
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/LEB/2/2002	LEB02-02	299	291	1	97.32	2.68
2	O/IND/209/99* (1998)	IND98-AU	165	158	0	95.76	4.24
3	O/IND/61/97* (1996)	IND96-AB	165	158	0	95.76	4.24
4	O/IND/289/97*	IND97-AW	165	158	0	95.76	4.24
5	O/IND/70/97*	IND97-AJ	164	157	0	95.73	4.27
6	O/IND/143/99*	IND99-AB	164	157	1	95.73	4.27
7	O/SYR/1/99	SYR99-01	436	416	8	95.41	4.59
8	O/TAW/3/99	TAW99-03	454	433	11	95.37	4.63
9	O/IRN/20/98	IRN98-20	570	543	27	95.26	4.74
10	O/IND/160/99*	IND99-AF	209	199	1	95.22	4.78

**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	607	0	94.99	5.01
2	O1/Manisa/TUR/69	TUR69--E	639	568	0	88.89	11.11
3	O/IND/53/79	IND79A53	639	567	0	88.73	11.27
4	O/IND/R2/75*	IND75--A	639	562	0	87.95	12.05
5	O/TAI/189/87*	TAI87--B	527	456	3	86.53	13.47
6	O/ISR/1/88	ISR88-01	193	166	5	86.01	13.99
7	O/MOR/1/91	MOR91-01	207	176	3	85.02	14.98
8	O/PHI/5/95	PHI95-05	516	418	6	81.01	18.99
9	O/HKN/6/83	HKN83-06	637	515	2	80.85	19.15
10	O1/BFS 1860/UK/67	UKG67--A	639	510	0	79.81	20.19

nt, nucleotides

\*, not a WRLFMD reference number

cc. Head of Experimental Epidemiology Group

cc. Head of Vesicular Diseases Group