

Report from the Molecular Epidemiology Section of the Experimental Epidemiology Group to the Head of the World Reference Laboratory for FMD (QAU Form 205)

Virus isolate: MYA/2/2000		Date: 23/06/2002					
Serotype: O		Reported by: N.J. Knowles					
Seq. filename: MYA00-02		Signed (file copy only):					
Topotype: South East Asia (SEA)							
Genotype/strain: Mya-98		No. of ambiguities: 0					
Region sequenced: VP1		Date seq. last updated: 23/06/2002					
No. of nt determined / no. in gene: 639 / 639		Total no. of comparisons made: 1253					
Comments:							
Ten Most Closely Related Viruses							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/MYA/2/99 (Myanmar)	MYA99-02	511	509	20	99.61	0.39
2	O/MYA/4/98 (Myanmar)	MYA98-04	351	344	8	98.01	1.99
3	O/MYA/1/98 (Myanmar)	MYA98-01	630	616	9	97.78	2.22
4	O/MYA/7/98 (Myanmar)	MYA98-07	639	624	0	97.65	2.35
5	O/MYA/6/98 (Myanmar)	MYA98-06	200	195	10	97.50	2.50
6	O/MYA/3/98 (Myanmar)	MYA98-03	323	312	15	96.59	3.41
7	O/MAY/8/99 (Malaysia)	MAY99-08	403	388	5	96.28	3.72
8	O/MYA/5/99 (Myanmar)	MYA99-05	633	609	6	96.21	3.79
9	O/TAI/4/99 (Thailand)	TAI99-04	638	612	1	95.92	4.08
10	O/MAY/6/99 (Malaysia)	MAY99-06	356	341	3	95.79	4.21
Relationships to Reference Virus Strains							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/189/TAI/87	TAI87--B	527	484	3	91.84	8.16
2	O/TAW/2/99	TAW99-02	639	555	0	86.85	13.15
3	O/IND/R2/75	IND75--A	639	550	0	86.07	13.93
4	O _i /Manisa/TUR/69	TUR69--E	639	544	0	85.13	14.87
5	O/IND/53/79	IND79-53	164	138	1	84.15	15.85
6	O/HKN/6/83	HKN83-06	637	502	2	78.81	21.19
7	O/ISR/1/88	ISR88-01	193	152	5	78.76	21.24
8	O/MOR/1/91	MOR91-01	207	163	3	78.74	21.26
9	O _i /BFS 1860/UK/67	UKG67--A	639	500	0	78.25	21.75
10	O/PHI/5/95	PHI95-05	516	402	6	77.91	22.09
nt, nucleotides							
*, not a WRLFMD reference number							

cc. Head of Experimental Epidemiology Group

cc. Head of Vesicular Diseases Group