

**Report from the Molecular Epidemiology Section of the Dept. of Exotic Disease Control to
the Head of the World Reference Laboratory for FMD (Non-QAU Form)**

Serotype: A		Report date: 24/02/2004					
Virus isolate: MAY/1/2003		Reported by N.J. Knowles:					
Material used: BTy1		Validated by J.-F. Valarcher:					
Region sequenced: VP1		Topotype: Asia					
RT-PCR primers: A-1C562F/NK61		Genotype/strain:					
No. of nt determined: 636		Seq. filename: MAY03-01					
No. nt in gene: 636		Date sequence last updated: 24/02/2004					
No. of ambiguities: 0		Total no. of comparisons made: 663					
Comments:							
Ten Most Closely Related Viruses							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/MAY/3/2003	MAY03-03	636	633	0	99.53	0.47
2	A/TAI/5/2003	TAI03-05	624	620	0	99.36	0.64
3	A/TAI/7/2003	TAI03-07	636	631	0	99.21	0.79
4	A/TAI/9/2003	TAI03-09	617	612	1	99.19	0.81
5	A/MAY/4/2003	MAY03-04	636	630	0	99.06	0.94
6	A/TAI/10/2003	TAI03-10	636	630	0	99.06	0.94
7	A/TAI/8/2003	TAI03-08	631	625	5	99.05	0.95
8	A/TAI/4/2003	TAI03-04	635	628	1	98.90	1.10
9	A/TAI/11/2003	TAI03-11	634	625	2	98.58	1.42
10	A/TAI/12/2003	TAI03-12	636	626	0	98.43	1.57
Relationships to Reference Virus Strains							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/TAI/2/97	TAI97-02	610	570	5	93.44	6.56
2	A/TAI/1188/87*	TAI87-AD	636	574	0	90.25	9.75
3	A/IND/7/82 (1980)	IND82-07	250	214	16	85.60	14.40
4	A/IRN/87	IRN87--M	634	525	2	82.81	17.19
5	A/SAU/23/86	SAU86-23	300	248	13	82.67	17.33
6	A22/IRQ/24/64	IRQ64-24	636	524	0	82.39	17.61
7	A/IRN/1/96	IRN96-01	353	289	11	81.87	18.13
8	A/SAU/41/91	SAU91-41	132	108	4	81.82	18.18
9	A/IRN/22/99	IRN99-22	608	492	20	80.92	19.08
10	A24/Cruzeiro/BRA/55	BRA55--C	636	508	0	79.87	20.13
nt, nucleotides							
*, not a WRLFMD reference number							

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Serotype: A		Report date: 24/02/2004					
Virus isolate: MAY/3/2003		Reported by N.J. Knowles:					
Material used: BTy1		Validated by J.-F. Valarcher:					
Region sequenced: VP1		Topotype: Asia					
RT-PCR primers: A-1C562F/NK61		Genotype/strain:					
No. of nt determined: 636		Seq. filename: MAY03-03					
No. nt in gene: 636		Date sequence last updated: 24/02/2004					
No. of ambiguities: 0		Total no. of comparisons made: 663					
Comments:							
Ten Most Closely Related Viruses							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/MAY/1/2003	MAY03-01	636	633	0	99.53	0.47
2	A/TAI/5/2003	TAI03-05	624	621	0	99.52	0.48
3	A/TAI/7/2003	TAI03-07	636	632	0	99.37	0.63
4	A/MAY/4/2003	MAY03-04	636	631	0	99.21	0.79
5	A/TAI/10/2003	TAI03-10	636	631	0	99.21	0.79
6	A/TAI/8/2003	TAI03-08	631	626	5	99.21	0.79
7	A/TAI/9/2003	TAI03-09	617	612	1	99.19	0.81
8	A/TAI/4/2003	TAI03-04	635	629	1	99.06	0.94
9	A/TAI/11/2003	TAI03-11	634	626	2	98.74	1.26
10	A/TAI/12/2003	TAI03-12	636	627	0	98.58	1.42
Relationships to Reference Virus Strains							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/TAI/2/97	TAI97-02	610	571	5	93.61	6.39
2	A/TAI/1188/87*	TAI87-AD	636	573	0	90.09	9.91
3	A/IND/7/82 (1980)	IND82-07	250	214	16	85.60	14.40
4	A/SAU/23/86	SAU86-23	300	248	13	82.67	17.33
5	A/IRN/87	IRN87--M	634	524	2	82.65	17.35
6	A22/IRQ/24/64	IRQ64-24	636	523	0	82.23	17.77
7	A/IRN/1/96	IRN96-01	353	289	11	81.87	18.13
8	A/SAU/41/91	SAU91-41	132	108	4	81.82	18.18
9	A/IRN/22/99	IRN99-22	608	491	20	80.76	19.24
10	A24/Cruzeiro/BRA/55	BRA55--C	636	509	0	80.03	19.97
nt, nucleotides							
*, not a WRLFMD reference number							

**Report from the Molecular Epidemiology Section of the Dept. of Exotic Disease Control to
the Head of the World Reference Laboratory for FMD (Non-QAU Form)**

Serotype: A	Report date: 24/02/2004						
Virus isolate: MAY/4/2003	Reported by N.J. Knowles:						
Material used: BTy1	Validated by J.-F. Valarcher:						
Region sequenced: VP1	Topotype: Asia						
RT-PCR primers: A-1C562F/NK61	Genotype/strain:						
No. of nt determined: 636	Seq. filename: MAY03-04						
No. nt in gene: 636	Date sequence last updated: 24/02/2004						
No. of ambiguities: 0	Total no. of comparisons made: 663						
Comments:							
Ten Most Closely Related Viruses							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/TAI/5/2003	TAI03-05	624	622	0	99.68	0.32
2	A/TAI/7/2003	TAI03-07	636	633	0	99.53	0.47
3	A/TAI/11/2003	TAI03-11	634	631	2	99.53	0.47
4	A/TAI/10/2003	TAI03-10	636	632	0	99.37	0.63
5	A/TAI/12/2003	TAI03-12	636	632	0	99.37	0.63
6	A/TAI/8/2003	TAI03-08	631	627	5	99.37	0.63
7	A/TAI/9/2003	TAI03-09	617	613	1	99.35	0.65
8	A/MAY/3/2003	MAY03-03	636	631	0	99.21	0.79
9	A/TAI/4/2003	TAI03-04	635	630	1	99.21	0.79
10	A/MAY/1/2003	MAY03-01	636	630	0	99.06	0.94
Relationships to Reference Virus Strains							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/TAI/2/97	TAI97-02	610	572	5	93.77	6.23
2	A/TAI/1188/87*	TAI87-AD	636	574	0	90.25	9.75
3	A/IND/7/82 (1980)	IND82-07	250	214	16	85.60	14.40
4	A/SAU/23/86	SAU86-23	300	248	13	82.67	17.33
5	A/IRN/87	IRN87--M	634	523	2	82.49	17.51
6	A22/IRQ/24/64	IRQ64-24	636	522	0	82.08	17.92
7	A/IRN/1/96	IRN96-01	353	289	11	81.87	18.13
8	A/SAU/41/91	SAU91-41	132	108	4	81.82	18.18
9	A/IRN/22/99	IRN99-22	608	490	20	80.59	19.41
10	A24/Cruzeiro/BRA/55	BRA55--C	636	510	0	80.19	19.81
nt, nucleotides							
*, not a WRLFMD reference number							

Report on: A Malaysia 2002-2004



Unrooted Neighbor-joining tree based on a comparison of the complete VP1 gene. The tree was outgroup-rooted using the Euro-SA topotype viruses.

* not a WRLFMD ref. no.