

**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	Date: 25/01/2004						
Virus isolate: <b>TUR/2/2003</b>	Reported by: N.J. Knowles						
Material used: 10% epithelium suspension	Signed (file copy only):						
Region sequenced: VP1	Counter-signed (file copy only):						
RT-PCR primer set: A-1C562/NK61	Seq. filename: TUR03-02						
Topotype: Asia	No. of ambiguities: 0						
Genotype/strain: Iran96	Date seq. last updated: 20/01/2004						
No. of nt determined / no. in gene: 639 / 639	Total no. of comparisons made: 556						
Comments:							
<b>Ten Most Closely Related Viruses</b>							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/TUR/3/2003* (Aktas)	TUR03-AC	165	164	0	99.39	0.61
2	A/TUR/4/2003* (Aktas)	TUR03-AD	165	163	0	98.79	1.21
3	A/TUR/1/2000* (Aktas)	TUR00-AA	164	162	1	98.78	1.22
4	A/TUR/6/2003* (Aktas)	TUR03-AF	165	162	0	98.18	1.82
5	A/TUR/17/2001	TUR01-17	636	623	3	97.96	2.04
6	A/TUR/33/2001* (Aktas)	TUR01-AB	400	391	12	97.75	2.25
7	A/TUR/5/2003* (Aktas)	TUR03-AE	165	161	0	97.58	2.42
8	A/TUR/4/2002	TUR02-04	579	563	15	97.24	2.76
9	A/SYR/5/2002	SYR02-05	638	618	1	96.87	3.13
10	A/TUR/14/2002	TUR02-14	639	618	0	96.71	3.29
<b>Relationships to Reference Virus Strains</b>							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/IRN/1/96	IRN96-01	355	335	11	94.37	5.63
2	A/IND/7/82 (1980)	IND82-07	253	214	16	84.58	15.42
3	A22/IRQ/24/64	IRQ64-24	639	530	0	82.94	17.06
4	A/SAU/23/86	SAU86-23	302	250	13	82.78	17.22
5	A/IRN/87	IRN87--M	634	521	2	82.18	17.82
6	A/IRN/22/99	IRN99-22	611	492	20	80.52	19.48
7	A/TAI/2/97	TAI97-02	610	488	5	80.00	20.00
8	A/SAU/41/91	SAU91-41	132	105	4	79.55	20.45
9	A24/Cruzeiro/BRA/55	BRA55--C	639	505	0	79.03	20.97
nt, nucleotides							
*, not a WRLFMD reference number							

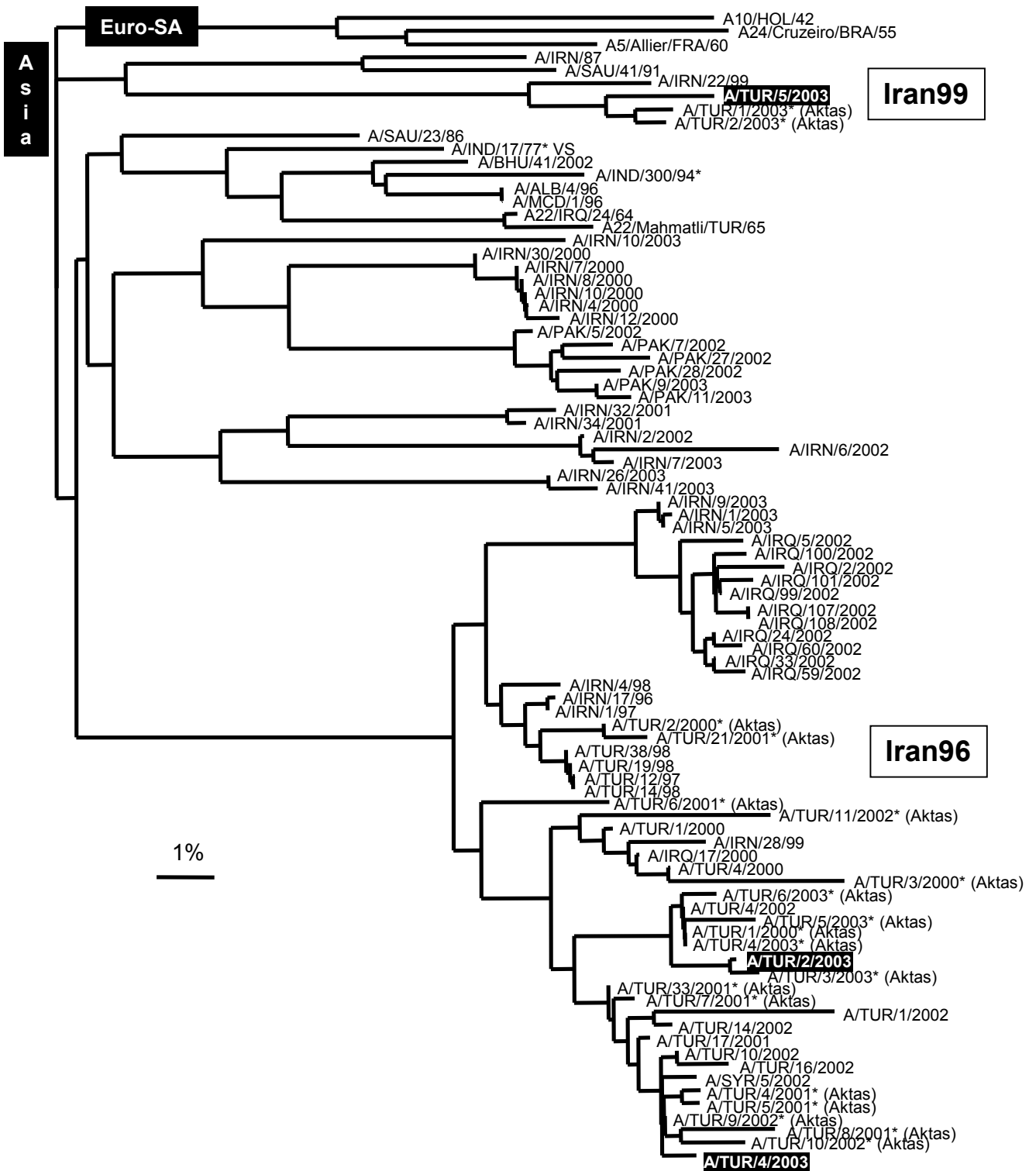
**Report from the Molecular Epidemiology Section of the Dept. of Exotic Disease Control to  
the Head of the World Reference Laboratory for FMD (Non-QAU Form)**

Serotype: A	Date: 25/01/2004						
Virus isolate: <b>TUR/4/2003</b>	Reported by: N.J. Knowles						
Material used: 10% epithelium suspension	Signed (file copy only):						
Region sequenced: VP1	Counter-signed (file copy only):						
RT-PCR primer set: A-1C612/NK61	Seq. filename: TUR03-04						
Topotype: Asia	No. of ambiguities: 1						
Genotype/strain: Iran96	Date seq. last updated: 25/01/2004						
No. of nt determined / no. in gene: 638 / 639	Total no. of comparisons made: 556						
Comments:							
<b>Ten Most Closely Related Viruses</b>							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/TUR/9/2002* (Aktas)	TUR02-AA	165	164	0	99.39	0.61
2	A/TUR/5/2001* (Aktas)	TUR01-AD	163	161	2	98.77	1.23
3	A/TUR/4/2001* (Aktas)	TUR01-AC	162	160	3	98.77	1.23
4	A/TUR/7/2001* (Aktas)	TUR01-AF	164	161	1	98.17	1.83
5	A/TUR/10/2002* (Aktas)	TUR02-AB	150	147	15	98.00	2.00
6	A/TUR/17/2001	TUR01-17	635	621	4	97.80	2.20
7	A/TUR/33/2001* (Aktas)	TUR01-AB	400	391	12	97.75	2.25
8	A/TUR/10/2002	TUR02-10	398	389	0	97.74	2.26
9	A/TUR/16/2002	TUR02-16	629	614	10	97.62	2.38
10	A/TUR/8/2001* (Aktas)	TUR01-AG	162	158	3	97.53	2.47
<b>Relationships to Reference Virus Strains</b>							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/IRN/1/96	IRN96-01	355	332	11	93.52	6.48
2	A/IND/7/82 (1980)	IND82-07	253	210	16	83.00	17.00
3	A/IRN/87	IRN87--M	633	523	3	82.62	17.38
4	A22/IRQ/24/64	IRQ64-24	638	522	1	81.82	18.18
5	A/SAU/23/86	SAU86-23	302	245	13	81.13	18.87
6	A/IRN/22/99	IRN99-22	610	488	21	80.00	20.00
7	A/SAU/41/91	SAU91-41	132	105	4	79.55	20.45
8	A/TAI/2/97	TAI97-02	609	483	6	79.31	20.69
9	A24/Cruzeiro/BRA/55	BRA55--C	638	497	1	77.90	22.10
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	Date: 25/01/2004						
Virus isolate: <b>TUR/5/2003</b>	Reported by: N.J. Knowles						
Material used: 10% epithelium suspension	Signed (file copy only):						
Region sequenced: VP1	Counter-signed (file copy only):						
RT-PCR primer set: A-1C562/NK61	Seq. filename: TUR03-05						
Topotype: Asia	No. of ambiguities: 0						
Genotype/strain: Iran99	Date seq. last updated: 25/01/2004						
No. of nt determined / no. in gene: 636 / 636	Total no. of comparisons made: 556						
<b>Comments:</b>							
<b>Ten Most Closely Related Viruses</b>							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/TUR/1/2003* (Aktas)	TUR03-AA	273	266	0	97.44	2.56
2	A/TUR/2/2003* (Aktas)	TUR03-AB	273	266	0	97.44	2.56
3	A/TUR/4/99	TUR99-04	321	306	25	95.33	4.67
4	A/TUR/6/99	TUR99-06	318	303	26	95.28	4.72
5	A/IRN/22/99	IRN99-22	608	576	20	94.74	5.26
6	A/SAU/32/91	SAU91-32	134	115	2	85.82	14.18
7	A/SAU/41/91	SAU91-41	132	112	4	84.85	15.15
8	A/SAU/16/93	SAU93-16	402	341	7	84.83	15.17
9	A/TUR/12/91	TUR91-12	360	305	12	84.72	15.28
10	A/N717/Stavropol/Russia/ USSR/73	USS73--A	192	162	0	84.38	15.63
<b>Relationships to Reference Virus Strains</b>							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/IRN/22/99	IRN99-22	608	576	20	94.74	5.26
2	A/SAU/41/91	SAU91-41	132	112	4	84.85	15.15
3	A/IRN/87	IRN87--M	634	532	2	83.91	16.09
4	A22/IRQ/24/64	IRQ64-24	636	524	0	82.39	17.61
5	A/IRN/1/96	IRN96-01	353	288	11	81.59	18.41
6	A/IND/7/82 (1980)	IND82-07	250	202	16	80.80	19.20
7	A/TAI/2/97	TAI97-02	610	489	5	80.16	19.84
8	A/SAU/23/86	SAU86-23	300	239	13	79.67	20.33
9	A24/Cruzeiro/BRA/55	BRA55--C	636	486	0	76.42	23.58
nt, nucleotides							
*, not a WRLFMD reference number							

Report on: A/TUR/2/2003, A/TUR/4/2003 & A/TUR/5/2003



Tree: Neighbor-joining (PHYLIP)  
Gene: VP1  
Nt range: 469-639