

Serotype: A	Report date: 14/02/2005						
WRL Ref No: IRN/32/2004	Reported by: N.J. Knowles						
Date collected: not known	Checked by: J.-F. Valarcher						
Date received by WRLFMD: 27/01/2005							
Date received for sequencing: 04/02/2005	Topotype: Asia						
Species: not known	Genotype/strain: Irn96						
Material used: BTy2	Sequence filename: IRN04-32.SEQ						
Region sequenced: VP1	Date sequence last updated: 10/02/2005						
RT-PCR primers: A-1C562F/NK61	Total no. of comparisons: 779						
No. of Nt determined: 636	Min. no. of nt for comparison: 300						
No. of ambiguities: 0	Total turn-around time: 18 days						
Gene length: 636	Sequencing time: 10 days						
Comments:							
Ten Most Closely Related Viruses							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/IRN/5/2003	IRN03-05	636	623	0	97.96	2.04
2	A/IRN/9/2003	IRN03-09	636	623	0	97.96	2.04
3	A/IRN/1/2003	IRN03-01	487	475	3	97.54	2.46
4	A/IRQ/24/2002	IRQ02-24	633	617	3	97.47	2.53
5	A/IRQ/33/2002	IRQ02-33	636	619	0	97.33	2.67
6	A/IRQ/59/2002	IRQ02-59	636	618	0	97.17	2.83
7	A/IRQ/60/2002	IRQ02-60	636	616	0	96.86	3.14
8	A/IRQ/2/2002	IRQ02-02	636	616	0	96.86	3.14
9	A/IRQ/100/2002	IRQ02100	636	615	0	96.7	3.3
10	A/IRQ/5/2002	IRQ02-05	620	599	16	96.61	3.39
Relationships to Reference Virus Strains							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/IRN/1/96	IRN96-01	635	596	1	93.86	6.14
2	A/SAU/23/86	SAU86-23	636	531	0	83.49	16.51
3	A22/IRQ/24/64 (AJ251474)	IRQ64-24	636	530	0	83.33	16.67
4	A/TAI/118/87*	TAI87-AD	633	527	0	83.25	16.75
5	A/IRN/87	IRN87--M	631	522	2	82.73	17.27
6	A/IND/7/82 (1980)	IND82-07	636	526	0	82.7	17.3
7	A/IRN/22/99	IRN99-22	636	522	0	82.08	17.92
8	A/SAU/41/91	SAU91-41	636	519	0	81.6	18.4
9	A/TAI/2/97	TAI97-02	633	511	0	80.73	19.27
10	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	636	510	0	80.19	19.81
nt, nucleotides							
*, not a WRLFMD reference number							

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WRL Ref No: IRN/33/2004	Reported by: N.J. Knowles
Date collected: not known	Checked by: J.-F. Valarcher
Date received by WRLFMD: 27/01/2005	
Date received for sequencing: 04/02/2005	Topotype: Asia
Species: not known	Genotype/strain: Irn96
Material used: BTy1	Sequence filename: IRN04-33.SEQ
Region sequenced: VP1	Date sequence last updated: 14/02/2005
RT-PCR primers: A-1C562F/NK61	Total no. of comparisons: 779
No. of Nt determined: 639	Min. no. of nt for comparison: 300
No. of ambiguities: 0	Total turn-around time: 18 days
Gene length: 639	Sequencing time: 10 days

Comments:

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/IRN/5/2003	IRN03-05	636	625	0	98.27	1.73
2	A/IRN/9/2003	IRN03-09	636	625	0	98.27	1.73
3	A/IRQ/33/2002	IRQ02-33	636	623	0	97.96	2.04
4	A/IRQ/24/2002	IRQ02-24	633	620	3	97.95	2.05
5	A/IRQ/59/2002	IRQ02-59	636	622	0	97.8	2.2
6	A/IRN/1/2003	IRN03-01	487	475	3	97.54	2.46
7	A/IRQ/60/2002	IRQ02-60	636	620	0	97.48	2.52
8	A/IRQ/2/2002	IRQ02-02	636	620	0	97.48	2.52
9	A/IRQ/5/2002	IRQ02-05	620	604	16	97.42	2.58
10	A/IRQ/100/2002	IRQ02100	636	619	0	97.33	2.67

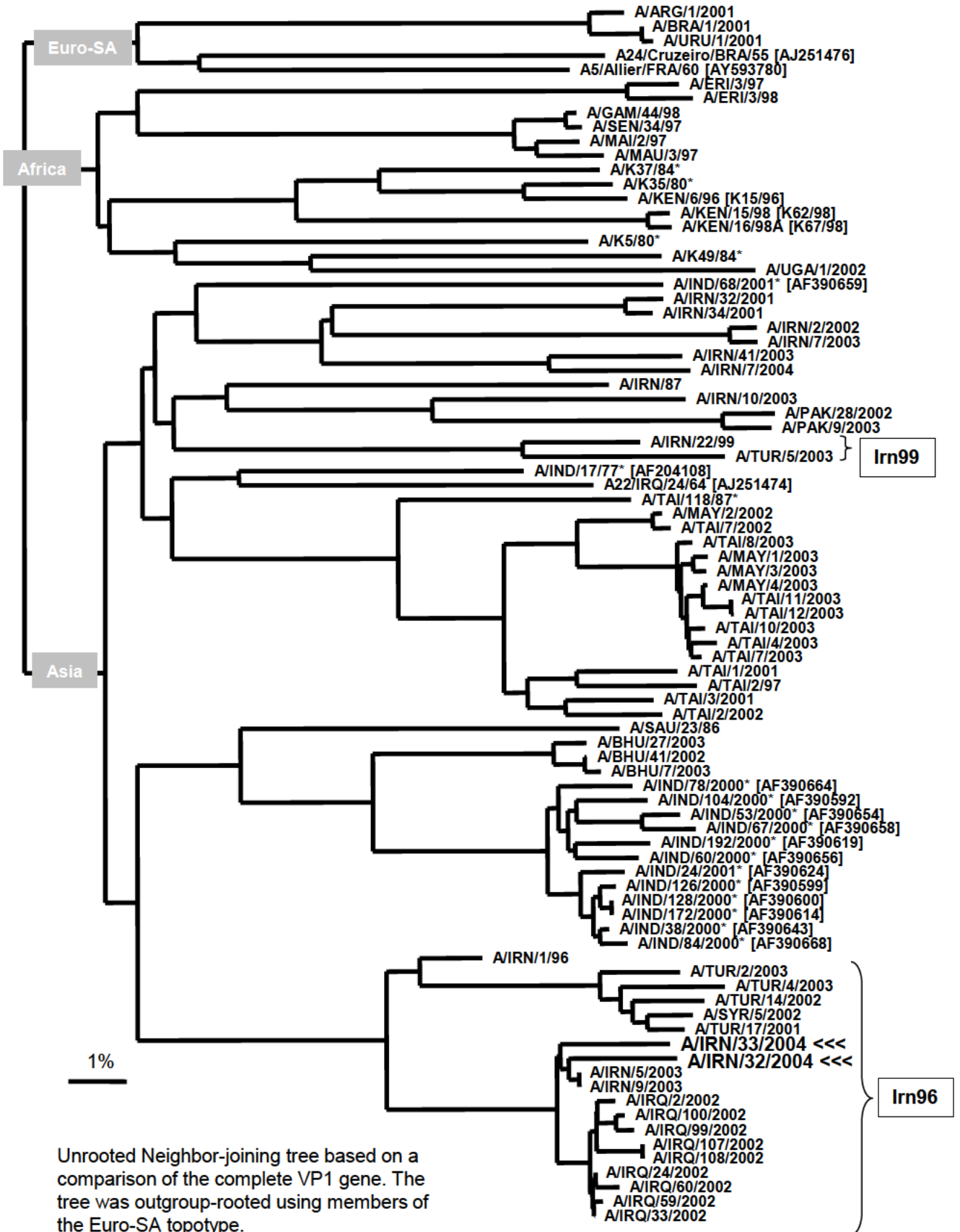
Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/IRN/1/96	IRN96-01	635	597	1	94.02	5.98
2	A22/IRQ/24/64 (AJ251474)	IRQ64-24	636	533	0	83.81	16.19
3	A/SAU/23/86	SAU86-23	636	532	0	83.65	16.35
4	A/IRN/87	IRN87--M	631	524	2	83.04	16.96
5	A/IND/7/82 (1980)	IND82-07	636	528	0	83.02	16.98
6	A/TAI/118/87*	TAI87-AD	633	524	0	82.78	17.22
7	A/IRN/22/99	IRN99-22	636	520	0	81.76	18.24
8	A/SAU/41/91	SAU91-41	636	516	0	81.13	18.87
9	A/TAI/2/97	TAI97-02	633	513	0	81.04	18.96
10	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	636	509	0	80.03	19.97

nt, nucleotides

*, not a WRLFMD reference number

Report on FMDV A from Iran in 2004



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