

Serotype: A		Report date: 09/05/2005					
WRL Ref No: IRN/1/2005							
Sender Ref: 84-1							
Date collected: 04/04/2005		Topotype: Asia					
Date received by WRLFMD: 25/04/2005		Genotype/strain: not designated					
Date received for sequencing: 28/04/2005		Sequence filename: IRN05-01.SEQ					
Species: Cattle		Date sequence last updated: 06/05/2005					
Material used: BTy1		Total no. of comparisons: 794					
Region sequenced: VP1		Min. no. of nt for comparison: 300					
RT-PCR primers: A-1C562F/NK61; A-1C612F/EUR-2B52R		Total turn-around time: 14 days					
No. of Nt determined: 639		Sequencing time: 11 days					
No. of ambiguities: 0							
Gene length: 639							
Comments:							
Ten Most Closely Related Viruses							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/IRN/2/2005	IRN05-02	639	639	0	100	0
2	A/IRN/4/2005	IRN05-04	639	637	0	99.69	0.31
3	A/IRN/5/2005	IRN05-05	639	635	0	99.37	0.63
4	A/IRN/7/2004	IRN04-07	639	620	0	97.03	2.97
5	A/IRN/26/2003	IRN03-26	600	564	2	94	6
6	A/IRN/41/2003	IRN03-41	637	598	2	93.88	6.12
7	A/IRN/34/2001	IRN01-34	638	565	1	88.56	11.44
8	A/IRN/7/2003	IRN03-07	639	562	0	87.95	12.05
9	A/IRN/2/2002	IRN02-02	639	562	0	87.95	12.05
10	A/IRN/6/2002	IRN02-06	607	533	7	87.81	12.19
Relationships to Reference Virus Strains							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/SAU/41/91	SAU91-41	636	544	0	85.53	14.47
2	A/IND/7/82 (1980)	IND82-07	639	542	0	84.82	15.18
3	A/IRN/87	IRN87--M	634	534	2	84.23	15.77
4	A/IRN/22/99	IRN99-22	636	533	0	83.81	16.19
5	A/TAI/118/87*	TAI87-AD	636	533	0	83.81	16.19
6	A/SAU/23/86	SAU86-23	639	530	0	82.94	17.06
7	A/TAI/2/97	TAI97-02	636	526	0	82.7	17.3
8	A22/IRQ/24/64 (AJ251474)	IRQ64-24	639	528	0	82.63	17.37
9	A/IRN/1/96	IRN96-01	638	525	1	82.29	17.71
10	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	639	509	0	79.66	20.34
nt, nucleotides							
*, not a WRLFMD reference number							

Serotype: A
WRL Ref No: IRN/2/2005
Sender Ref: 84-2
Date collected: 05/04/2005
Date received by WRLFMD: 25/04/2005
Date received for sequencing: 28/04/2005
Species: Cattle
Material used: BTy1
Region sequenced: VP1
RT-PCR primers: A-1C562F/NK61;
A-1C612F/EUR-2B52R
No. of Nt determined: 639
No. of ambiguities: 0
Gene length: 639

Report date: 09/05/2005
Topotype: Asia
Genotype/strain: not designated
Sequence filename: IRN05-02.SEQ
Date sequence last updated: 06/05/2005
Total no. of comparisons: 794
Min. no. of nt for comparison: 300
Total turn-around time: 14 days
Sequencing time: 11 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/1/2005	IRN05-01	639	639	0	100	0
2	A/IRN/4/2005	IRN05-04	639	637	0	99.69	0.31
3	A/IRN/5/2005	IRN05-05	639	635	0	99.37	0.63
4	A/IRN/7/2004	IRN04-07	639	620	0	97.03	2.97
5	A/IRN/26/2003	IRN03-26	600	564	2	94	6
6	A/IRN/41/2003	IRN03-41	637	598	2	93.88	6.12
7	A/IRN/34/2001	IRN01-34	638	565	1	88.56	11.44
8	A/IRN/7/2003	IRN03-07	639	562	0	87.95	12.05
9	A/IRN/2/2002	IRN02-02	639	562	0	87.95	12.05
10	A/IRN/6/2002	IRN02-06	607	533	7	87.81	12.19

Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/SAU/41/91	SAU91-41	636	544	0	85.53	14.47
2	A/IND/7/82 (1980)	IND82-07	639	542	0	84.82	15.18
3	A/IRN/87	IRN87--M	634	534	2	84.23	15.77
4	A/IRN/22/99	IRN99-22	636	533	0	83.81	16.19
5	A/TAI/118/87*	TAI87-AD	636	533	0	83.81	16.19
6	A/SAU/23/86	SAU86-23	639	530	0	82.94	17.06
7	A/TAI/2/97	TAI97-02	636	526	0	82.7	17.3
8	A22/IRQ/24/64 (AJ251474)	IRQ64-24	639	528	0	82.63	17.37
9	A/IRN/1/96	IRN96-01	638	525	1	82.29	17.71
10	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	639	509	0	79.66	20.34

nt, nucleotides

*, not a WRLFMD reference number

Serotype: A		Report date: 09/05/2005					
WRL Ref No: IRN/4/2005							
Sender Ref: 84-4							
Date collected: 11/04/2005							
Date received by WRLFMD: 25/04/2005		Topotype: Asia					
Date received for sequencing: 28/04/2005		Genotype/strain: not designated					
Species: Not known		Sequence filename: IRN05-04.SEQ					
Material used: BTy1		Date sequence last updated: 06/05/2005					
Region sequenced: VP1		Total no. of comparisons: 794					
RT-PCR primers: A-1C562F/NK61;		Min. no. of nt for comparison: 300					
A-1C612F/EUR-2B52R		Total turn-around time: 14 days					
No. of Nt determined: 639		Sequencing time: 11 days					
No. of ambiguities: 0							
Gene length: 639							
Comments:							
Ten Most Closely Related Viruses							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/IRN/2/2005	IRN05-02	639	637	0	99.69	0.31
2	A/IRN/1/2005	IRN05-01	639	637	0	99.69	0.31
3	A/IRN/5/2005	IRN05-05	639	633	0	99.06	0.94
4	A/IRN/7/2004	IRN04-07	639	618	0	96.71	3.29
5	A/IRN/26/2003	IRN03-26	600	562	2	93.67	6.33
6	A/IRN/41/2003	IRN03-41	637	596	2	93.56	6.44
7	A/IRN/7/2003	IRN03-07	639	564	0	88.26	11.74
8	A/IRN/2/2002	IRN02-02	639	564	0	88.26	11.74
9	A/IRN/34/2001	IRN01-34	638	563	1	88.24	11.76
10	A/IRN/6/2002	IRN02-06	607	535	7	88.14	11.86
Relationships to Reference Virus Strains							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/SAU/41/91	SAU91-41	636	542	0	85.22	14.78
2	A/IND/7/82 (1980)	IND82-07	639	542	0	84.82	15.18
3	A/IRN/87	IRN87--M	634	532	2	83.91	16.09
4	A/IRN/22/99	IRN99-22	636	531	0	83.49	16.51
5	A/TAI/118/87*	TAI87-AD	636	531	0	83.49	16.51
6	A22/IRQ/24/64 (AJ251474)	IRQ64-24	639	528	0	82.63	17.37
7	A/SAU/23/86	SAU86-23	639	528	0	82.63	17.37
8	A/TAI/2/97	TAI97-02	636	524	0	82.39	17.61
9	A/IRN/1/96	IRN96-01	638	523	1	81.97	18.03
10	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	639	507	0	79.34	20.66
nt, nucleotides							
*, not a WRLFMD reference number							

Serotype: A
WRL Ref No: IRN/5/2005
Sender Ref: 84-5
Date collected: 20/04/2005
Date received by WRLFMD: 25/04/2005
Date received for sequencing: 28/04/2005
Species: Cattle
Material used: BTy1
Region sequenced: VP1
RT-PCR primers: A-1C562F/NK61;
A-1C612F/EUR-2B52R
No. of Nt determined: 639
No. of ambiguities: 0
Gene length: 639

Report date: 09/05/2005
Topotype: Asia
Genotype/strain: not designated
Sequence filename: IRN05-05.SEQ
Date sequence last updated: 06/05/2005
Total no. of comparisons: 794
Min. no. of nt for comparison: 300
Total turn-around time: 14 days
Sequencing time: 11 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/2/2005	IRN05-02	639	635	0	99.37	0.63
2	A/IRN/1/2005	IRN05-01	639	635	0	99.37	0.63
3	A/IRN/4/2005	IRN05-04	639	633	0	99.06	0.94
4	A/IRN/7/2004	IRN04-07	639	620	0	97.03	2.97
5	A/IRN/41/2003	IRN03-41	637	600	2	94.19	5.81
6	A/IRN/26/2003	IRN03-26	600	565	2	94.17	5.83
7	A/IRN/34/2001	IRN01-34	638	567	1	88.87	11.13
8	A/IRN/7/2003	IRN03-07	639	564	0	88.26	11.74
9	A/IRN/2/2002	IRN02-02	639	564	0	88.26	11.74
10	A/IRN/32/2001	IRN01-32	638	562	1	88.09	11.91

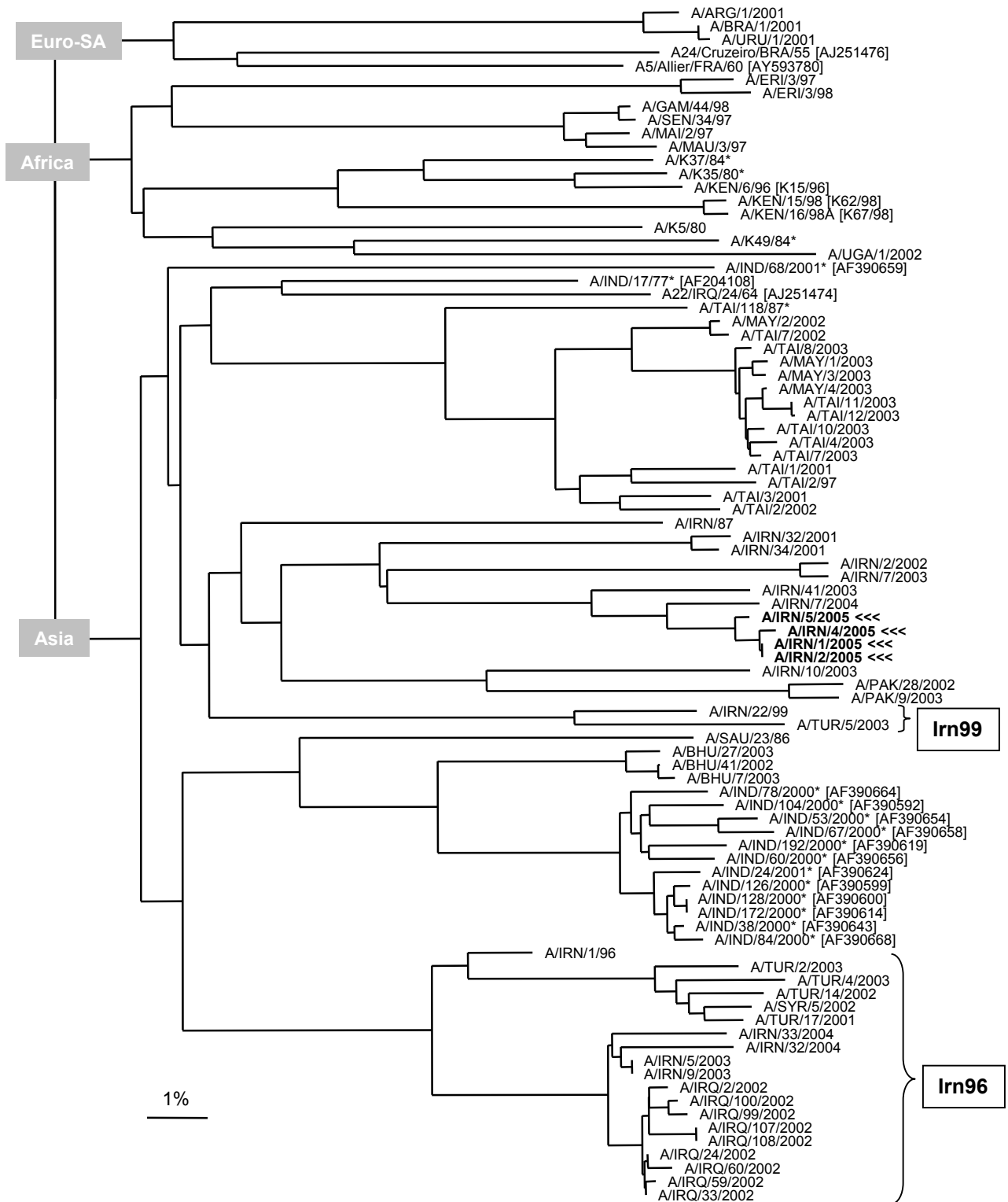
Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/SAU/41/91	SAU91-41	636	544	0	85.53	14.47
2	A/IND/7/82 (1980)	IND82-07	639	544	0	85.13	14.87
3	A/IRN/87	IRN87--M	634	535	2	84.38	15.62
4	A/IRN/22/99	IRN99-22	636	535	0	84.12	15.88
5	A/TAI/118/87*	TAI87-AD	636	534	0	83.96	16.04
6	A22/IRQ/24/64 (AJ251474)	IRQ64-24	639	530	0	82.94	17.06
7	A/SAU/23/86	SAU86-23	639	530	0	82.94	17.06
8	A/IRN/1/96	IRN96-01	638	529	1	82.92	17.08
9	A/TAI/2/97	TAI97-02	636	527	0	82.86	17.14
10	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	639	511	0	79.97	20.03

nt, nucleotides

*, not a WRLFMD reference number

Report on FMDV A from Iran in 2005



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.

