

Serotype: A Report date: 06/06/2006
WRL Ref No: IRN/33/2005
Sender Ref: 184-341 E
Date collected: 05/10/2005
Date received by WRLFMD: 05/12/2005 Topotype: Asia
Date received for sequencing: 13/12/2005 Genotype/strain: none designated
Species: Cattle Sequence filename: IRN05-33.SEQ
Material used: BTy1 Date sequence last updated: 31/05/2006
Region sequenced: VP1 Total no. of comparisons: 903
RT-PCR primers: A-1C562F/EUR-2B52R; Min. no. of nt for comparison: 300
A-1C612F/EUR-2B52R Total turn-around time: 183 days
No. of Nt determined: 639 Sequencing time: 175 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/10/2005	IRN05-10	639	636	0	99.53	0.47
2	A/IRN/13/2005	IRN05-13	639	636	0	99.53	0.47
3	A/IRN/16/2005	IRN05-16	639	636	0	99.53	0.47
4	A/IRN/42/2005	IRN05-42	639	635	0	99.37	0.63
5	A/TUR/3/2006	TUR06-03	639	635	0	99.37	0.63
6	A/TUR/1/2006	TUR06-01	638	634	1	99.37	0.63
7	A/TUR/12/2005	TUR05-12	639	634	0	99.22	0.78
8	A/TUR/2/2006	TUR06-02	639	634	0	99.22	0.78
9	A/IRN/31/2005	IRN05-31	639	634	0	99.22	0.78
10	A/IRN/5/2005	IRN05-05	639	634	0	99.22	0.78

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	541	0	85.06	14.94
2	A/IND/7/82 (1980)	IND82-07	639	541	0	84.66	15.34
3	A/IRN/87	IRN87--M	634	532	2	83.91	16.09
4	A/IRN/22/99	IRN99-22	636	532	0	83.65	16.35
5	A/TAI/118/87*	TAI87-AD	636	531	0	83.49	16.51
6	A/SAU/23/86	SAU86-23	639	527	0	82.47	17.53
7	A/TAI/2/97	TAI97-02	636	524	0	82.39	17.61
8	A22/IRQ/24/64 (AJ251474)	IRQ64-24	639	525	0	82.16	17.84
9	A/IRN/1/96	IRN96-01	638	524	1	82.13	17.87
10	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	639	507	0	79.34	20.66

nt, nucleotides

*, not a WRLFMD reference number

Serotype: A Report date: 06/06/2006
WRL Ref No: IRN/34/2005
Sender Ref: 184-391 L
Date collected: 08/10/2005
Date received by WRLFMD: 05/12/2005 Topotype: Asia
Date received for sequencing: 13/12/2005 Genotype/strain: none designated
Species: Cattle Sequence filename: IRN05-34.SEQ
Material used: BTy1 Date sequence last updated: 31/05/2006
Region sequenced: VP1 Total no. of comparisons: 903
RT-PCR primers: A-1C562F/EUR-2B52R; Min. no. of nt for comparison: 300
A-1C612F/EUR-2B52R Total turn-around time: 183 days
No. of Nt determined: 639 Sequencing time: 175 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/24/2005	IRN05-24	639	637	0	99.69	0.31
2	A/IRN/36/2005	IRN05-36	639	635	0	99.37	0.63
3	A/IRN/22/2005	IRN05-22	639	632	0	98.9	1.1
4	A/IRN/27/2005	IRN05-27	639	632	0	98.9	1.1
5	A/IRN/53/2005	IRN05-53	639	631	0	98.75	1.25
6	A/IRN/5/2005	IRN05-05	639	630	0	98.59	1.41
7	A/IRN/25/2005	IRN05-25	639	629	0	98.44	1.56
8	A/IRN/7/2005	IRN05-07	639	629	0	98.44	1.56
9	A/IRN/50/2005	IRN05-50	639	629	0	98.44	1.56
10	A/IRN/10/2005	IRN05-10	639	628	0	98.28	1.72

Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/IND/7/82 (1980)	IND82-07	639	544	0	85.13	14.87
2	A/SAU/41/91	SAU91-41	636	540	0	84.91	15.09
3	A/IRN/87	IRN87--M	634	532	2	83.91	16.09
4	A/TAI/118/87*	TAI87-AD	636	532	0	83.65	16.35
5	A/IRN/22/99	IRN99-22	636	531	0	83.49	16.51
6	A/SAU/23/86	SAU86-23	639	530	0	82.94	17.06
7	A22/IRQ/24/64 (AJ251474)	IRQ64-24	639	528	0	82.63	17.37
8	A/IRN/1/96	IRN96-01	638	527	1	82.6	17.4
9	A/TAI/2/97	TAI97-02	636	523	0	82.23	17.77
10	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	639	505	0	79.03	20.97

nt, nucleotides

*, not a WRLFMD reference number

Serotype: A		Report date: 06/06/2006					
WRL Ref No: IRN/36/2005							
Sender Ref: 184-421 F							
Date collected: 08/10/2005		Topotype: Asia					
Date received by WRLFMD: 05/12/2005		Genotype/strain: none designated					
Date received for sequencing: 13/12/2005		Sequence filename: IRN05-36.SEQ					
Species: Cattle		Date sequence last updated: 31/05/2006					
Material used: BTy1		Total no. of comparisons: 903					
Region sequenced: VP1		Min. no. of nt for comparison: 300					
RT-PCR primers: A-1C562F/EUR-2B52R; A-1C612F/EUR-2B52R		Total turn-around time: 183 days					
No. of Nt determined: 639		Sequencing time: 175 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/24/2005	IRN05-24	639	637	0	99.69	0.31
2	A/IRN/34/2005	IRN05-34	639	635	0	99.37	0.63
3	A/IRN/22/2005	IRN05-22	639	634	0	99.22	0.78
4	A/IRN/27/2005	IRN05-27	639	634	0	99.22	0.78
5	A/IRN/53/2005	IRN05-53	639	633	0	99.06	0.94
6	A/IRN/5/2005	IRN05-05	639	632	0	98.9	1.1
7	A/IRN/25/2005	IRN05-25	639	631	0	98.75	1.25
8	A/IRN/7/2005	IRN05-07	639	631	0	98.75	1.25
9	A/IRN/50/2005	IRN05-50	639	631	0	98.75	1.25
10	A/IRN/10/2005	IRN05-10	639	630	0	98.59	1.41
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	534	2	84.23	15.77
4	A/IRN/22/99	IRN99-22	636	531	0	83.49	16.51
5	A/TAI/118/87*	TAI87-AD	636	530	0	83.33	16.67
6	A/SAU/23/86	SAU86-23	639	530	0	82.94	17.06
7	A/IRN/1/96	IRN96-01	638	526	1	82.45	17.55
8	A22/IRQ/24/64 (AJ251474)	IRQ64-24	639	526	0	82.32	17.68
9	A/TAI/2/97	TAI97-02	636	523	0	82.23	17.77
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/38/2005
Sender Ref: 184-221-WA
Date collected: 12/10/2005
Date received by WRLFMD: 05/12/2005
Date received for sequencing: 13/12/2005
Species: Cattle
Material used: BTy1
Region sequenced: VP1
RT-PCR primers: A-1C562F/EUR-2B52R;
A-1C612F/EUR-2B52R
No. of Nt determined: 639
No. of ambiguities: 0
Gene length: 639

Report date: 06/06/2006
Topotype: Asia
Genotype/strain: none designated
Sequence filename: IRN05-38.SEQ
Date sequence last updated: 05/06/2006
Total no. of comparisons: 903
Min. no. of nt for comparison: 300
Total turn-around time: 183 days
Sequencing time: 175 days

Comments:

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/TUR/3/2006	TUR06-03	639	637	0	99.69	0.31
2	A/IRN/39/2005	IRN05-39	639	637	0	99.69	0.31
3	A/TUR/1/2006	TUR06-01	638	636	1	99.69	0.31
4	A/TUR/12/2005	TUR05-12	639	636	0	99.53	0.47
5	A/IRN/13/2005	IRN05-13	639	636	0	99.53	0.47
6	A/IRN/10/2005	IRN05-10	639	636	0	99.53	0.47
7	A/TUR/2/2006	TUR06-02	639	636	0	99.53	0.47
8	A/IRN/31/2005	IRN05-31	639	636	0	99.53	0.47
9	A/IRN/16/2005	IRN05-16	639	636	0	99.53	0.47
10	A/TUR/10/2005	TUR05-10	628	625	3	99.52	0.48

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	541	0	85.06	14.94
2	A/IND/7/82 (1980)	IND82-07	639	539	0	84.35	15.65
3	A/IRN/22/99	IRN99-22	636	534	0	83.96	16.04
4	A/IRN/87	IRN87--M	634	532	2	83.91	16.09
5	A/TAI/118/87*	TAI87-AD	636	531	0	83.49	16.51
6	A/TAI/2/97	TAI97-02	636	526	0	82.7	17.3
7	A22/IRQ/24/64 (AJ251474)	IRQ64-24	639	527	0	82.47	17.53
8	A/SAU/23/86	SAU86-23	639	527	0	82.47	17.53
9	A/IRN/1/96	IRN96-01	638	526	1	82.45	17.55
10	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	639	508	0	79.5	20.5

nt, nucleotides

*, not a WRLFMD reference number

Serotype: A Report date: 06/06/2006
WRL Ref No: IRN/39/2005
Sender Ref: 184-251 WA
Date collected: 12/10/2005
Date received by WRLFMD: 05/12/2005 Topotype: Asia
Date received for sequencing: 13/12/2005 Genotype/strain: none designated
Species: Cattle Sequence filename: IRN05-39.SEQ
Material used: BTy1 Date sequence last updated: 05/06/2006
Region sequenced: VP1 Total no. of comparisons: 903
RT-PCR primers: A-1C562F/EUR-2B52R; A-1C612F/EUR-2B52R Min. no. of nt for comparison: 300
No. of Nt determined: 639 Total turn-around time: 183 days
No. of ambiguities: 0 Sequencing time: 175 days
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/TUR/3/2006	TUR06-03	639	637	0	99.69	0.31
2	A/IRN/38/2005	IRN05-38	639	637	0	99.69	0.31
3	A/TUR/1/2006	TUR06-01	638	636	1	99.69	0.31
4	A/TUR/12/2005	TUR05-12	639	636	0	99.53	0.47
5	A/IRN/13/2005	IRN05-13	639	636	0	99.53	0.47
6	A/IRN/10/2005	IRN05-10	639	636	0	99.53	0.47
7	A/TUR/2/2006	TUR06-02	639	636	0	99.53	0.47
8	A/IRN/31/2005	IRN05-31	639	636	0	99.53	0.47
9	A/IRN/16/2005	IRN05-16	639	636	0	99.53	0.47
10	A/TUR/10/2005	TUR05-10	628	625	3	99.52	0.48

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	541	0	85.06	14.94
2	A/IND/7/82 (1980)	IND82-07	639	539	0	84.35	15.65
3	A/IRN/22/99	IRN99-22	636	534	0	83.96	16.04
4	A/IRN/87	IRN87--M	634	532	2	83.91	16.09
5	A/TAI/118/87*	TAI87-AD	636	531	0	83.49	16.51
6	A/SAU/23/86	SAU86-23	639	529	0	82.79	17.21
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	526	1	82.45	17.55
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/40/2005
Sender Ref: 184-361-M
Date collected: 12/10/2005
Date received by WRLFMD: 05/12/2005
Date received for sequencing: 13/12/2005
Species: Cattle
Material used: BTy1
Region sequenced: VP1
RT-PCR primers: A-1C562F/EUR-2B52R;
A-1C612F/EUR-2B52R
No. of Nt determined: 639
No. of ambiguities: 0
Gene length: 639

Report date: 06/06/2006
Topotype: Asia
Genotype/strain: none designated
Sequence filename: IRN05-40.SEQ
Date sequence last updated: 05/06/2006
Total no. of comparisons: 903
Min. no. of nt for comparison: 300
Total turn-around time: 183 days
Sequencing time: 175 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/50/2005	IRN05-50	639	635	0	99.37	0.63
2	A/IRN/27/2005	IRN05-27	639	634	0	99.22	0.78
3	A/IRN/22/2005	IRN05-22	639	634	0	99.22	0.78
4	A/IRN/30/2005	IRN05-30	639	630	0	98.59	1.41
5	A/IRN/5/2005	IRN05-05	639	630	0	98.59	1.41
6	A/IRN/25/2005	IRN05-25	639	629	0	98.44	1.56
7	A/IRN/53/2005	IRN05-53	639	629	0	98.44	1.56
8	A/IRN/24/2005	IRN05-24	639	629	0	98.44	1.56
9	A/IRN/36/2005	IRN05-36	639	629	0	98.44	1.56
10	A/IRN/7/2005	IRN05-07	639	629	0	98.44	1.56

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	541	0	85.06	14.94
2	A/IND/7/82 (1980)	IND82-07	639	542	0	84.82	15.18
3	A/IRN/87	IRN87--M	634	533	2	84.07	15.93
4	A/IRN/22/99	IRN99-22	636	532	0	83.65	16.35
5	A/SAU/23/86	SAU86-23	639	532	0	83.26	16.74
6	A/TAI/118/87*	TAI87-AD	636	529	0	83.18	16.82
7	A/IRN/1/96	IRN96-01	638	528	1	82.76	17.24
8	A22/IRQ/24/64 (AJ251474)	IRQ64-24	639	525	0	82.16	17.84
9	A/TAI/2/97	TAI97-02	636	522	0	82.08	17.92
10	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	639	508	0	79.5	20.5

nt, nucleotides

*, not a WRLFMD reference number

Serotype: A Report date: 06/06/2006
WRL Ref No: IRN/42/2005
Sender Ref: 184-291 K
Date collected: 15/10/2005 Topotype: Asia
Date received by WRLFMD: 05/12/2005 Genotype/strain: none designated
Date received for sequencing: 13/12/2005 Sequence filename: IRN05-42.SEQ
Species: Cattle Date sequence last updated: 05/06/2006
Material used: BTy1 Total no. of comparisons: 903
Region sequenced: VP1 Min. no. of nt for comparison: 300
RT-PCR primers: A-1C562F/EUR-2B52R; Total turn-around time: 183 days
A-1C612F/EUR-2B52R Sequencing time: 175 days
No. of Nt determined: 639
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/10/2005	IRN05-10	639	638	0	99.84	0.16
2	A/IRN/13/2005	IRN05-13	639	638	0	99.84	0.16
3	A/IRN/16/2005	IRN05-16	639	638	0	99.84	0.16
4	A/TUR/3/2006	TUR06-03	639	637	0	99.69	0.31
5	A/TUR/1/2006	TUR06-01	638	636	1	99.69	0.31
6	A/TUR/12/2005	TUR05-12	639	636	0	99.53	0.47
7	A/IRN/5/2005	IRN05-05	639	636	0	99.53	0.47
8	A/TUR/2/2006	TUR06-02	639	636	0	99.53	0.47
9	A/IRN/31/2005	IRN05-31	639	636	0	99.53	0.47
10	A/IRN/18/2005	IRN05-18	639	636	0	99.53	0.47

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	541	0	85.06	14.94
2	A/IND/7/82 (1980)	IND82-07	639	541	0	84.66	15.34
3	A/IRN/22/99	IRN99-22	636	534	0	83.96	16.04
4	A/IRN/87	IRN87--M	634	532	2	83.91	16.09
5	A/TAI/118/87*	TAI87-AD	636	531	0	83.49	16.51
6	A/SAU/23/86	SAU86-23	639	529	0	82.79	17.21
7	A/TAI/2/97	TAI97-02	636	526	0	82.7	17.3
8	A22/IRQ/24/64 (AJ251474)	IRQ64-24	639	527	0	82.47	17.53
9	A/IRN/1/96	IRN96-01	638	526	1	82.45	17.55
10	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	639	508	0	79.5	20.5

nt, nucleotides

*, not a WRLFMD reference number

Serotype: A
WRL Ref No: IRN/43/2005
Sender Ref: 184-351 EA
Date collected: 15/10/2005
Date received by WRLFMD: 05/12/2005
Date received for sequencing: 13/12/2005
Species: Cattle
Material used: BTy1
Region sequenced: VP1
RT-PCR primers: A-1C562F/EUR-2B52R;
A-1C612F/EUR-2B52R
No. of Nt determined: 639
No. of ambiguities: 0
Gene length: 639

Report date: 06/06/2006
Topotype: Asia
Genotype/strain: none designated
Sequence filename: IRN05-43.SEQ
Date sequence last updated: 05/06/2006
Total no. of comparisons: 903
Min. no. of nt for comparison: 300
Total turn-around time: 183 days
Sequencing time: 175 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/10/2005	IRN05-10	639	635	0	99.37	0.63
2	A/IRN/13/2005	IRN05-13	639	635	0	99.37	0.63
3	A/IRN/16/2005	IRN05-16	639	635	0	99.37	0.63
4	A/IRN/29/2005	IRN05-29	639	634	0	99.22	0.78
5	A/IRN/28/2005	IRN05-28	639	634	0	99.22	0.78
6	A/IRN/42/2005	IRN05-42	639	634	0	99.22	0.78
7	A/TUR/3/2006	TUR06-03	639	634	0	99.22	0.78
8	A/TUR/1/2006	TUR06-01	638	633	1	99.22	0.78
9	A/TUR/12/2005	TUR05-12	639	633	0	99.06	0.94
10	A/TUR/2/2006	TUR06-02	639	633	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/SAU/41/91	SAU91-41	636	541	0	85.06	14.94
2	A/IND/7/82 (1980)	IND82-07	639	542	0	84.82	15.18
3	A/IRN/22/99	IRN99-22	636	536	0	84.28	15.72
4	A/IRN/87	IRN87--M	634	534	2	84.23	15.77
5	A/TAI/118/87*	TAI87-AD	636	532	0	83.65	16.35
6	A/TAI/2/97	TAI97-02	636	525	0	82.55	17.45
7	A22/IRQ/24/64 (AJ251474)	IRQ64-24	639	527	0	82.47	17.53
8	A/IRN/1/96	IRN96-01	638	526	1	82.45	17.55
9	A/SAU/23/86	SAU86-23	639	526	0	82.32	17.68
10	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	639	508	0	79.5	20.5

nt, nucleotides

*, not a WRLFMD reference number

Serotype: A Report date: 06/06/2006
WRL Ref No: IRN/44/2005
Sender Ref: 184-241 WA
Date collected: 16/10/2005
Date received by WRLFMD: 05/12/2005 Topotype: Asia
Date received for sequencing: 13/12/2005 Genotype/strain: none designated
Species: Cattle Sequence filename: IRN05-44.SEQ
Material used: BTy1 Date sequence last updated: 05/06/2006
Region sequenced: VP1 Total no. of comparisons: 903
RT-PCR primers: A-1C562F/EUR-2B52R; Min. no. of nt for comparison: 300
A-1C612F/EUR-2B52R Total turn-around time: 183 days
No. of Nt determined: 639 Sequencing time: 175 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/5/2005	IRN05-05	639	634	0	99.22	0.78
2	A/IRN/7/2005	IRN05-07	639	633	0	99.06	0.94
3	A/IRN/10/2005	IRN05-10	639	632	0	98.9	1.1
4	A/IRN/13/2005	IRN05-13	639	632	0	98.9	1.1
5	A/IRN/2/2005	IRN05-02	639	632	0	98.9	1.1
6	A/IRN/16/2005	IRN05-16	639	632	0	98.9	1.1
7	A/IRN/1/2005	IRN05-01	639	632	0	98.9	1.1
8	A/IRN/22/2005	IRN05-22	639	632	0	98.9	1.1
9	A/IRN/27/2005	IRN05-27	639	632	0	98.9	1.1
10	A/IRN/42/2005	IRN05-42	639	631	0	98.75	1.25

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	543	0	85.38	14.62
2	A/IND/7/82 (1980)	IND82-07	639	543	0	84.98	15.02
3	A/IRN/87	IRN87--M	634	534	2	84.23	15.77
4	A/IRN/22/99	IRN99-22	636	532	0	83.65	16.35
5	A/TAI/118/87*	TAI87-AD	636	532	0	83.65	16.35
6	A/SAU/23/86	SAU86-23	639	531	0	83.1	16.9
7	A/TAI/2/97	TAI97-02	636	527	0	82.86	17.14
8	A22/IRQ/24/64 (AJ251474)	IRQ64-24	639	529	0	82.79	17.21
9	A/IRN/1/96	IRN96-01	638	526	1	82.45	17.55
10	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	639	508	0	79.5	20.5

nt, nucleotides

*, not a WRLFMD reference number

Serotype: A
WRL Ref No: IRN/50/2005
Sender Ref: 184-401 L
Date collected: 23/10/2005
Date received by WRLFMD: 05/12/2005
Date received for sequencing: 13/12/2005
Species: Cattle
Material used: BTy1
Region sequenced: VP1
RT-PCR primers: A-1C562F/EUR-2B52R;
A-1C612F/EUR-2B52R
No. of Nt determined: 639
No. of ambiguities: 0
Gene length: 639

Report date: 06/06/2006
Topotype: Asia
Genotype/strain: none designated
Sequence filename: IRN05-50.SEQ
Date sequence last updated: 05/06/2006
Total no. of comparisons: 903
Min. no. of nt for comparison: 300
Total turn-around time: 183 days
Sequencing time: 175 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/22/2005	IRN05-22	639	636	0	99.53	0.47
2	A/IRN/27/2005	IRN05-27	639	636	0	99.53	0.47
3	A/IRN/40/2005	IRN05-40	639	635	0	99.37	0.63
4	A/IRN/30/2005	IRN05-30	639	632	0	98.9	1.1
5	A/IRN/5/2005	IRN05-05	639	632	0	98.9	1.1
6	A/IRN/25/2005	IRN05-25	639	631	0	98.75	1.25
7	A/IRN/7/2005	IRN05-07	639	631	0	98.75	1.25
8	A/IRN/24/2005	IRN05-24	639	631	0	98.75	1.25
9	A/IRN/53/2005	IRN05-53	639	631	0	98.75	1.25
10	A/IRN/36/2005	IRN05-36	639	631	0	98.75	1.25

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	541	0	85.06	14.94
2	A/IND/7/82 (1980)	IND82-07	639	542	0	84.82	15.18
3	A/IRN/87	IRN87--M	634	533	2	84.07	15.93
4	A/IRN/22/99	IRN99-22	636	532	0	83.65	16.35
5	A/SAU/23/86	SAU86-23	639	532	0	83.26	16.74
6	A/TAI/118/87*	TAI87-AD	636	529	0	83.18	16.82
7	A/IRN/1/96	IRN96-01	638	528	1	82.76	17.24
8	A22/IRQ/24/64 (AJ251474)	IRQ64-24	639	525	0	82.16	17.84
9	A/TAI/2/97	TAI97-02	636	522	0	82.08	17.92
10	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	639	508	0	79.5	20.5

nt, nucleotides

*, not a WRLFMD reference number

Serotype: A Report date: 06/06/2006
WRL Ref No: IRN/51/2005
Sender Ref: 184-371 EA
Date collected: 24/10/2005 Topotype: Asia
Date received by WRLFMD: 05/12/2005 Genotype/strain: none designated
Date received for sequencing: 13/12/2005 Sequence filename: IRN05-51.SEQ
Species: Cattle Date sequence last updated: 06/06/2006
Material used: BTy1 Total no. of comparisons: 903
Region sequenced: VP1 Min. no. of nt for comparison: 300
RT-PCR primers: A-1C562F/EUR-2B52R; Total turn-around time: 183 days
A-1C612F/EUR-2B52R Sequencing time: 175 days
No. of Nt determined: 639
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/54/2005	IRN05-54	639	635	0	99.37	0.63
2	A/IRN/29/2005	IRN05-29	639	633	0	99.06	0.94
3	A/IRN/28/2005	IRN05-28	639	633	0	99.06	0.94
4	A/IRN/10/2005	IRN05-10	639	632	0	98.9	1.1
5	A/IRN/13/2005	IRN05-13	639	632	0	98.9	1.1
6	A/IRN/16/2005	IRN05-16	639	632	0	98.9	1.1
7	A/IRN/55/2005	IRN05-55	639	631	0	98.75	1.25
8	A/IRN/42/2005	IRN05-42	639	631	0	98.75	1.25
9	A/TUR/3/2006	TUR06-03	639	631	0	98.75	1.25
10	A/TUR/1/2006	TUR06-01	638	630	1	98.75	1.25

Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/IND/7/82 (1980)	IND82-07	639	543	0	84.98	15.02
2	A/SAU/41/91	SAU91-41	636	539	0	84.75	15.25
3	A/IRN/22/99	IRN99-22	636	537	0	84.43	15.57
4	A/TAI/118/87*	TAI87-AD	636	535	0	84.12	15.88
5	A/IRN/87	IRN87--M	634	532	2	83.91	16.09
6	A22/IRQ/24/64 (AJ251474)	IRQ64-24	639	529	0	82.79	17.21
7	A/IRN/1/96	IRN96-01	638	528	1	82.76	17.24
8	A/TAI/2/97	TAI97-02	636	526	0	82.7	17.3
9	A/SAU/23/86	SAU86-23	639	527	0	82.47	17.53
10	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	639	508	0	79.5	20.5

nt, nucleotides

*, not a WRLFMD reference number

Serotype: A
WRL Ref No: IRN/55/2005
Sender Ref: 184-381 T
Date collected: 09/11/2005
Date received by WRLFMD: 05/12/2005
Date received for sequencing: 13/12/2005
Species: Cattle
Material used: BTy1
Region sequenced: VP1
RT-PCR primers: A-1C562F/EUR-2B52R;
A-1C612F/EUR-2B52R
No. of Nt determined: 639
No. of ambiguities: 0
Gene length: 639

Report date: 06/06/2006
Topotype: Asia
Genotype/strain: none designated
Sequence filename: IRN05-55.SEQ
Date sequence last updated: 06/06/2006
Total no. of comparisons: 903
Min. no. of nt for comparison: 300
Total turn-around time: 183 days
Sequencing time: 175 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/29/2005	IRN05-29	639	635	0	99.37	0.63
2	A/IRN/28/2005	IRN05-28	639	635	0	99.37	0.63
3	A/IRN/10/2005	IRN05-10	639	634	0	99.22	0.78
4	A/IRN/16/2005	IRN05-16	639	634	0	99.22	0.78
5	A/IRN/13/2005	IRN05-13	639	634	0	99.22	0.78
6	A/IRN/54/2005	IRN05-54	639	633	0	99.06	0.94
7	A/IRN/42/2005	IRN05-42	639	633	0	99.06	0.94
8	A/TUR/3/2006	TUR06-03	639	633	0	99.06	0.94
9	A/TUR/1/2006	TUR06-01	638	632	1	99.06	0.94
10	A/TUR/2/2006	TUR06-02	639	632	0	98.9	1.1

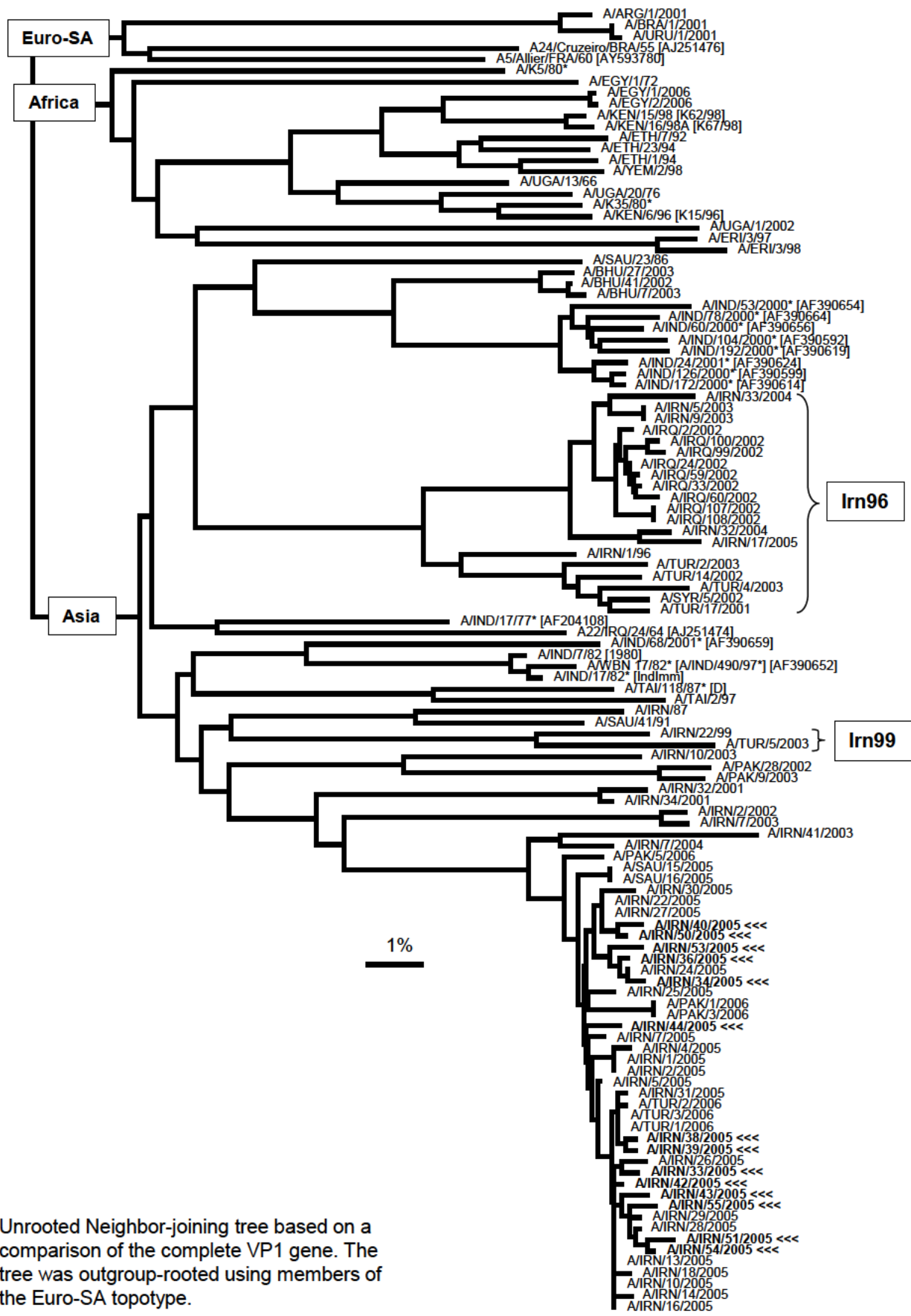
Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/SAU/41/91	SAU91-41	636	541	0	85.06	14.94
2	A/IND/7/82 (1980)	IND82-07	639	539	0	84.35	15.65
3	A/IRN/22/99	IRN99-22	636	535	0	84.12	15.88
4	A/IRN/87	IRN87--M	634	532	2	83.91	16.09
5	A/TAI/118/87*	TAI87-AD	636	533	0	83.81	16.19
6	A22/IRQ/24/64 (AJ251474)	IRQ64-24	639	531	0	83.1	16.9
7	A/SAU/23/86	SAU86-23	639	527	0	82.47	17.53
8	A/IRN/1/96	IRN96-01	638	526	1	82.45	17.55
9	A/TAI/2/97	TAI97-02	636	524	0	82.39	17.61
10	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	639	507	0	79.34	20.66

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.