

Serotype: A	Report date: 15/08/2006						
WRL Ref No: TUR/4/2006							
Sender Ref: 726/2006							
Date collected: 15/05/2006							
Date received by WRLFMD: 23/07/2006	Topotype: Asia						
Date received for sequencing: 28/07/2006	Genotype/strain: Irn05						
Species: Cattle	Sequence filename: TUR06-04.SEQ						
Material used: BTy1	Date sequence last updated: 08/08/2006						
Region sequenced: VP1	Total no. of comparisons: 929						
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: 23 days						
No. of ambiguities: 0	Sequencing time: 18 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/11/2005	TUR05-11	639	632	0	98.9	1.1
2	A/TUR/3/2006	TUR06-03	639	631	0	98.75	1.25
3	A/IRN/39/2005	IRN05-39	639	631	0	98.75	1.25
4	A/TUR/1/2006	TUR06-01	639	631	0	98.75	1.25
5	A/TUR/9/2005	TUR05-09	639	631	0	98.75	1.25
6	A/IRN/38/2005	IRN05-38	639	631	0	98.75	1.25
7	A/TUR/7/2005	TUR05-07	639	630	0	98.59	1.41
8	A/TUR/10/2005	TUR05-10	639	630	0	98.59	1.41
9	A/IRN/31/2005	IRN05-31	639	630	0	98.59	1.41
10	A/TUR/6/2006	TUR06-06	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	543	0	84.98	15.02
3	A/IRN/87	IRN87--M	634	535	2	84.38	15.62
4	A/TAI/118/87*	TAI87-AD	636	534	0	83.96	16.04
5	A/IRN/22/99	IRN99-22	636	530	0	83.33	16.67
6	A/IRN/1/96	IRN96-01	638	529	1	82.92	17.08
7	A/TAI/2/97	TAI97-02	636	527	0	82.86	17.14
8	A22/IRQ/24/64 (AJ251474)	IRQ64-24	639	528	0	82.63	17.37
9	A/SAU/23/86	SAU86-23	639	526	0	82.32	17.68
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: 15/08/2006
WRL Ref No: TUR/6/2006
Sender Ref: 738/2006
Date collected: 17/05/2006
Date received by WRLFMD: 23/07/2006 Topotype: Asia
Date received for sequencing: 28/07/2006 Genotype/strain: Irn05
Species: Cattle Sequence filename: TUR06-06.SEQ
Material used: BTy1 Date sequence last updated: 08/08/2006
Region sequenced: VP1 Total no. of comparisons: 929
RT-PCR primers: A-1C562F/EUR-2B52R; Min. no. of nt for comparison: 300
A-1C612F/EUR-2B52R Total turn-around time: 23 days
No. of Nt determined: 639 Sequencing time: 18 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/TUR/1/2006	TUR06-01	639	636	0	99.53	0.47
2	A/TUR/3/2006	TUR06-03	639	636	0	99.53	0.47
3	A/IRN/39/2005	IRN05-39	639	636	0	99.53	0.47
4	A/TUR/9/2005	TUR05-09	639	636	0	99.53	0.47
5	A/TUR/7/2005	TUR05-07	639	635	0	99.37	0.63
6	A/IRN/31/2005	IRN05-31	639	635	0	99.37	0.63
7	A/TUR/10/2005	TUR05-10	639	635	0	99.37	0.63
8	A/TUR/2/2006	TUR06-02	639	635	0	99.37	0.63
9	A/TUR/12/2005	TUR05-12	639	635	0	99.37	0.63
10	A/IRN/10/2005	IRN05-10	639	635	0	99.37	0.63

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	541	0	84.66	15.34
3	A/IRN/87	IRN87--M	634	535	2	84.38	15.62
4	A/IRN/22/99	IRN99-22	636	534	0	83.96	16.04
5	A/TAI/118/87*	TAI87-AD	636	532	0	83.65	16.35
6	A/SAU/23/86	SAU86-23	639	529	0	82.79	17.21
7	A/IRN/1/96	IRN96-01	638	527	1	82.6	17.4
8	A/TAI/2/97	TAI97-02	636	525	0	82.55	17.45
9	A22/IRQ/24/64 (AJ251474)	IRQ64-24	639	527	0	82.47	17.53
10	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	639	511	0	79.97	20.03

nt, nucleotides

*, not a WRLFMD reference number

Serotype: A Report date: 15/08/2006
WRL Ref No: TUR/7/2006
Sender Ref: 969/2006
Date collected: 07/06/2006
Date received by WRLFMD: 23/07/2006 Topotype: Asia
Date received for sequencing: 28/07/2006 Genotype/strain: Irn05
Species: Cattle Sequence filename: TUR06-07.SEQ
Material used: BTy1 Date sequence last updated: 08/08/2006
Region sequenced: VP1 Total no. of comparisons: 929
RT-PCR primers: A-1C562F/EUR-2B52R; Min. no. of nt for comparison: 300
A-1C612F/EUR-2B52R Total turn-around time: 23 days
No. of Nt determined: 639 Sequencing time: 18 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/TUR/1/2006	TUR06-01	639	637	0	99.69	0.31
2	A/TUR/3/2006	TUR06-03	639	637	0	99.69	0.31
3	A/TUR/9/2005	TUR05-09	639	637	0	99.69	0.31
4	A/TUR/17/2006	TUR06-17	639	637	0	99.69	0.31
5	A/TUR/7/2005	TUR05-07	639	636	0	99.53	0.47
6	A/TUR/6/2005	TUR05-06	639	636	0	99.53	0.47
7	A/TUR/10/2005	TUR05-10	639	636	0	99.53	0.47
8	A/TUR/2/2006	TUR06-02	639	636	0	99.53	0.47
9	A/TUR/12/2005	TUR05-12	639	636	0	99.53	0.47
10	A/IRN/10/2005	IRN05-10	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	543	0	85.38	14.62
2	A/IRN/87	IRN87--M	634	536	2	84.54	15.46
3	A/IND/7/82 (1980)	IND82-07	639	539	0	84.35	15.65
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	A22/IRQ/24/64 (AJ251474)	IRQ64-24	639	530	0	82.94	17.06
7	A/SAU/23/86	SAU86-23	639	529	0	82.79	17.21
8	A/TAI/2/97	TAI97-02	636	526	0	82.7	17.3
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: 15/08/2006
WRL Ref No: TUR/8/2006
Sender Ref: 957/2006
Date collected: 07/06/2006
Date received by WRLFMD: 23/07/2006 Topotype: Asia
Date received for sequencing: 28/07/2006 Genotype/strain: Irn05
Species: Cattle Sequence filename: TUR06-08.SEQ
Material used: BTy1 Date sequence last updated: 09/08/2006
Region sequenced: VP1 Total no. of comparisons: 929
RT-PCR primers: A-1C562F/EUR-2B52R; Min. no. of nt for comparison: 300
Total turn-around time: 23 days
Sequencing time: 18 days
A-1C612F/EUR-2B52R
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/TUR/1/2006	TUR06-01	639	634	0	99.22	0.78
2	A/TUR/3/2006	TUR06-03	639	634	0	99.22	0.78
3	A/TUR/9/2005	TUR05-09	639	634	0	99.22	0.78
4	A/TUR/10/2006	TUR06-10	639	634	0	99.22	0.78
5	A/TUR/7/2006	TUR06-07	639	634	0	99.22	0.78
6	A/TUR/17/2006	TUR06-17	639	634	0	99.22	0.78
7	A/TUR/7/2005	TUR05-07	639	633	0	99.06	0.94
8	A/TUR/11/2006	TUR06-11	639	633	0	99.06	0.94
9	A/TUR/6/2005	TUR05-06	639	633	0	99.06	0.94
10	A/IRN/10/2005	IRN05-10	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	543	0	85.38	14.62
2	A/IRN/87	IRN87--M	634	534	2	84.23	15.77
3	A/IND/7/82 (1980)	IND82-07	639	538	0	84.19	15.81
4	A/IRN/22/99	IRN99-22	636	534	0	83.96	16.04
5	A/TAI/118/87*	TAI87-AD	636	533	0	83.81	16.19
6	A/SAU/23/86	SAU86-23	639	532	0	83.26	16.74
7	A22/IRQ/24/64 (AJ251474)	IRQ64-24	639	531	0	83.1	16.9
8	A/TAI/2/97	TAI97-02	636	527	0	82.86	17.14
9	A/IRN/1/96	IRN96-01	638	525	1	82.29	17.71
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: 15/08/2006						
WRL Ref No: TUR/9/2006							
Sender Ref: 979/2006							
Date collected: 08/06/2006							
Date received by WRLFMD: 23/07/2006	Topotype: Asia						
Date received for sequencing: 28/07/2006	Genotype/strain: Irn05						
Species: Cattle	Sequence filename: TUR06-09.SEQ						
Material used: BTy1	Date sequence last updated: 09/08/2006						
Region sequenced: VP1	Total no. of comparisons: 929						
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: 23 days						
No. of ambiguities: 0	Sequencing time: 18 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/1/2006	TUR06-01	639	630	0	98.59	1.41
2	A/TUR/3/2006	TUR06-03	639	630	0	98.59	1.41
3	A/TUR/9/2005	TUR05-09	639	630	0	98.59	1.41
4	A/TUR/7/2005	TUR05-07	639	629	0	98.44	1.56
5	A/IRN/31/2005	IRN05-31	639	629	0	98.44	1.56
6	A/TUR/6/2005	TUR05-06	639	629	0	98.44	1.56
7	A/TUR/10/2005	TUR05-10	639	629	0	98.44	1.56
8	A/TUR/11/2006	TUR06-11	639	629	0	98.44	1.56
9	A/TUR/12/2005	TUR05-12	639	629	0	98.44	1.56
10	A/IRN/10/2005	IRN05-10	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	539	0	84.75	15.25
2	A/IRN/87	IRN87--M	634	534	2	84.23	15.77
3	A/IND/7/82 (1980)	IND82-07	639	538	0	84.19	15.81
4	A/IRN/22/99	IRN99-22	636	533	0	83.81	16.19
5	A/TAI/118/87*	TAI87-AD	636	529	0	83.18	16.82
6	A/TAI/2/97	TAI97-02	636	528	0	83.02	16.98
7	A22/IRQ/24/64 (AJ251474)	IRQ64-24	639	529	0	82.79	17.21
8	A/SAU/23/86	SAU86-23	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	511	0	79.97	20.03
nt, nucleotides							
*, not a WRLFMD reference number							

Serotype: A Report date: 15/08/2006
WRL Ref No: TUR/10/2006
Sender Ref: 1012/2006
Date collected: 12/06/2006
Date received by WRLFMD: 23/07/2006 Topotype: Asia
Date received for sequencing: 28/07/2006 Genotype/strain: Irn05
Species: Cattle Sequence filename: TUR06-10.SEQ
Material used: BTy1 Date sequence last updated: 09/08/2006
Region sequenced: VP1 Total no. of comparisons: 929
RT-PCR primers: A-1C562F/EUR-2B52R; Min. no. of nt for comparison: 300
A-1C612F/EUR-2B52R Total turn-around time: 23 days
No. of Nt determined: 639 Sequencing time: 18 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/TUR/1/2006	TUR06-01	639	635	0	99.37	0.63
2	A/TUR/3/2006	TUR06-03	639	635	0	99.37	0.63
3	A/TUR/9/2005	TUR05-09	639	635	0	99.37	0.63
4	A/TUR/7/2006	TUR06-07	639	635	0	99.37	0.63
5	A/TUR/17/2006	TUR06-17	639	635	0	99.37	0.63
6	A/TUR/7/2005	TUR05-07	639	634	0	99.22	0.78
7	A/TUR/10/2005	TUR05-10	639	634	0	99.22	0.78
8	A/TUR/11/2006	TUR06-11	639	634	0	99.22	0.78
9	A/TUR/6/2005	TUR05-06	639	634	0	99.22	0.78
10	A/IRN/10/2005	IRN05-10	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	542	0	85.22	14.78
2	A/IRN/87	IRN87--M	634	534	2	84.23	15.77
3	A/IND/7/82 (1980)	IND82-07	639	538	0	84.19	15.81
4	A/IRN/22/99	IRN99-22	636	534	0	83.96	16.04
5	A/TAI/118/87*	TAI87-AD	636	532	0	83.65	16.35
6	A22/IRQ/24/64 (AJ251474)	IRQ64-24	639	530	0	82.94	17.06
7	A/SAU/23/86	SAU86-23	639	527	0	82.47	17.53
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	508	0	79.5	20.5

nt, nucleotides

*, not a WRLFMD reference number

Serotype: A		Report date: 15/08/2006					
WRL Ref No: TUR/11/2006							
Sender Ref: 1025/2006							
Date collected: 14/06/2006		Topotype: Asia					
Date received by WRLFMD: 23/07/2006		Genotype/strain: Irn05					
Date received for sequencing: 28/07/2006		Sequence filename: TUR06-11.SEQ					
Species: Cattle		Date sequence last updated: 10/08/2006					
Material used: BTy1		Total no. of comparisons: 929					
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: 23 days					
No. of Nt determined: 639		Sequencing time: 18 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/TUR/19/2006	TUR06-19	639	637	0	99.69	0.31
2	A/TUR/3/2006	TUR06-03	639	636	0	99.53	0.47
3	A/TUR/9/2005	TUR05-09	639	636	0	99.53	0.47
4	A/TUR/1/2006	TUR06-01	639	636	0	99.53	0.47
5	A/IRN/31/2005	IRN05-31	639	635	0	99.37	0.63
6	A/TUR/6/2005	TUR05-06	639	635	0	99.37	0.63
7	A/TUR/7/2005	TUR05-07	639	635	0	99.37	0.63
8	A/TUR/2/2006	TUR06-02	639	635	0	99.37	0.63
9	A/TUR/12/2005	TUR05-12	639	635	0	99.37	0.63
10	A/IRN/10/2005	IRN05-10	639	635	0	99.37	0.63
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/IRN/87	IRN87--M	634	534	2	84.23	15.77
3	A/IND/7/82 (1980)	IND82-07	639	538	0	84.19	15.81
4	A/IRN/22/99	IRN99-22	636	535	0	84.12	15.88
5	A/TAI/118/87*	TAI87-AD	636	530	0	83.33	16.67
6	A/SAU/23/86	SAU86-23	639	528	0	82.63	17.37
7	A22/IRQ/24/64 (AJ251474)	IRQ64-24	639	527	0	82.47	17.53
8	A/TAI/2/97	TAI97-02	636	524	0	82.39	17.61
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: 15/08/2006
WRL Ref No: TUR/12/2006
Sender Ref: 1029/2006
Date collected: 14/06/2006
Date received by WRLFMD: 23/07/2006 Topotype: Asia
Date received for sequencing: 28/07/2006 Genotype/strain: Irn05
Species: Cattle Sequence filename: TUR06-12.SEQ
Material used: BTy1 Date sequence last updated: 10/08/2006
Region sequenced: VP1 Total no. of comparisons: 929
RT-PCR primers: A-1C562F/EUR-2B52R; Min. no. of nt for comparison: 300
A-1C612F/EUR-2B52R Total turn-around time: 23 days
No. of Nt determined: 639 Sequencing time: 18 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/7/2006	IRN06-07	639	637	0	99.69	0.31
2	A/TUR/3/2006	TUR06-03	639	636	0	99.53	0.47
3	A/TUR/9/2005	TUR05-09	639	636	0	99.53	0.47
4	A/TUR/1/2006	TUR06-01	639	636	0	99.53	0.47
5	A/IRN/42/2005	IRN05-42	639	636	0	99.53	0.47
6	A/TUR/6/2005	TUR05-06	639	635	0	99.37	0.63
7	A/TUR/7/2005	TUR05-07	639	635	0	99.37	0.63
8	A/TUR/2/2006	TUR06-02	639	635	0	99.37	0.63
9	A/TUR/12/2005	TUR05-12	639	635	0	99.37	0.63
10	A/IRN/10/2005	IRN05-10	639	635	0	99.37	0.63

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	540	0	84.51	15.49
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	A/TAI/2/97	TAI97-02	636	529	0	83.18	16.82
7	A22/IRQ/24/64 (AJ251474)	IRQ64-24	639	528	0	82.63	17.37
8	A/SAU/23/86	SAU86-23	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	507	0	79.34	20.66

nt, nucleotides

*, not a WRLFMD reference number

Serotype: A Report date: 15/08/2006
WRL Ref No: TUR/14/2006
Sender Ref: 1050/2006
Date collected: 15/06/2006
Date received by WRLFMD: 23/07/2006 Topotype: Asia
Date received for sequencing: 28/07/2006 Genotype/strain: Irn05
Species: Cattle Sequence filename: TUR06-14.SEQ
Material used: BTy1 Date sequence last updated: 03/08/2006
Region sequenced: VP1 Total no. of comparisons: 929
RT-PCR primers: A-1C562F/EUR-2B52R; Min. no. of nt for comparison: 300
A-1C612F/EUR-2B52R; Total turn-around time: 23 days
C-1C536F/EUR-2B52R Sequencing time: 18 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/TUR/1/2006	TUR06-01	639	629	0	98.44	1.56
2	A/TUR/3/2006	TUR06-03	639	629	0	98.44	1.56
3	A/TUR/9/2005	TUR05-09	639	629	0	98.44	1.56
4	A/IRN/38/2005	IRN05-38	639	629	0	98.44	1.56
5	A/TUR/7/2005	TUR05-07	639	628	0	98.28	1.72
6	A/IRN/31/2005	IRN05-31	639	628	0	98.28	1.72
7	A/TUR/10/2005	TUR05-10	639	628	0	98.28	1.72
8	A/TUR/2/2006	TUR06-02	639	628	0	98.28	1.72
9	A/TUR/6/2005	TUR05-06	639	628	0	98.28	1.72
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/SAU/41/91	SAU91-41	636	535	0	84.12	15.88
2	A/IRN/22/99	IRN99-22	636	533	0	83.81	16.19
3	A/IND/7/82 (1980)	IND82-07	639	534	0	83.57	16.43
4	A/IRN/87	IRN87--M	634	526	2	82.97	17.03
5	A/TAI/118/87*	TAI87-AD	636	526	0	82.7	17.3
6	A/SAU/23/86	SAU86-23	639	526	0	82.32	17.68
7	A22/IRQ/24/64 (AJ251474)	IRQ64-24	639	525	0	82.16	17.84
8	A/IRN/1/96	IRN96-01	638	523	1	81.97	18.03
9	A/TAI/2/97	TAI97-02	636	519	0	81.6	18.4
10	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	639	504	0	78.87	21.13

nt, nucleotides

*, not a WRLFMD reference number

Serotype: A
WRL Ref No: TUR/16/2006
Sender Ref: 1084/2006
Date collected: 20/06/2006
Date received by WRLFMD: 23/07/2006
Date received for sequencing: 28/07/2006
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: 15/08/2006
Topotype: Asia
Genotype/strain: Irn05
Sequence filename: TUR06-16.SEQ
Date sequence last updated: 10/08/2006
Total no. of comparisons: 929
Min. no. of nt for comparison: 300
Total turn-around time: 23 days
Sequencing time: 18 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/7/2006	IRN06-07	639	631	0	98.75	1.25
2	A/TUR/3/2006	TUR06-03	639	630	0	98.59	1.41
3	A/TUR/9/2005	TUR05-09	639	630	0	98.59	1.41
4	A/TUR/1/2006	TUR06-01	639	630	0	98.59	1.41
5	A/IRN/42/2005	IRN05-42	639	630	0	98.59	1.41
6	A/TUR/6/2005	TUR05-06	639	629	0	98.44	1.56
7	A/TUR/7/2005	TUR05-07	639	629	0	98.44	1.56
8	A/TUR/11/2005	TUR05-11	639	629	0	98.44	1.56
9	A/TUR/12/2005	TUR05-12	639	629	0	98.44	1.56
10	A/TUR/12/2006	TUR06-12	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	544	0	85.53	14.47
2	A/IND/7/82 (1980)	IND82-07	639	540	0	84.51	15.49
3	A/IRN/87	IRN87--M	634	535	2	84.38	15.62
4	A/TAI/118/87*	TAI87-AD	636	533	0	83.81	16.19
5	A/IRN/22/99	IRN99-22	636	529	0	83.18	16.82
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	526	0	82.32	17.68
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: 15/08/2006					
WRL Ref No: TUR/17/2006							
Sender Ref: 1091/2006							
Date collected: 22/06/2006							
Date received by WRLFMD: 23/07/2006		Topotype: Asia					
Date received for sequencing: 28/07/2006		Genotype/strain: Irn05					
Species: Cattle		Sequence filename: TUR06-17.SEQ					
Material used: BTy2		Date sequence last updated: 10/08/2006					
Region sequenced: VP1		Total no. of comparisons: 929					
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: 23 days					
No. of ambiguities: 0		Sequencing time: 18 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/1/2006	TUR06-01	639	637	0	99.69	0.31
2	A/TUR/3/2006	TUR06-03	639	637	0	99.69	0.31
3	A/TUR/9/2005	TUR05-09	639	637	0	99.69	0.31
4	A/TUR/7/2006	TUR06-07	639	637	0	99.69	0.31
5	A/TUR/7/2005	TUR05-07	639	636	0	99.53	0.47
6	A/TUR/6/2005	TUR05-06	639	636	0	99.53	0.47
7	A/TUR/10/2005	TUR05-10	639	636	0	99.53	0.47
8	A/TUR/2/2006	TUR06-02	639	636	0	99.53	0.47
9	A/TUR/12/2005	TUR05-12	639	636	0	99.53	0.47
10	A/IRN/10/2005	IRN05-10	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	539	0	84.35	15.65
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	531	0	83.49	16.51
6	A22/IRQ/24/64 (AJ251474)	IRQ64-24	639	529	0	82.79	17.21
7	A/SAU/23/86	SAU86-23	639	529	0	82.79	17.21
8	A/TAI/2/97	TAI97-02	636	524	0	82.39	17.61
9	A/IRN/1/96	IRN96-01	638	524	1	82.13	17.87
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: 15/08/2006
WRL Ref No: TUR/18/2006
Sender Ref: 1096/2006
Date collected: 22/06/2006
Date received by WRLFMD: 23/07/2006 Topotype: Asia
Date received for sequencing: 28/07/2006 Genotype/strain: Irn05
Species: Cattle Sequence filename: TUR06-18.SEQ
Material used: BTy1 Date sequence last updated: 13/08/2006
Region sequenced: VP1 Total no. of comparisons: 929
RT-PCR primers: A-1C562F/EUR-2B52R; Min. no. of nt for comparison: 300
Total turn-around time: 23 days
Sequencing time: 18 days
A-1C612F/EUR-2B52R
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/TUR/1/2006	TUR06-01	639	633	0	99.06	0.94
2	A/TUR/3/2006	TUR06-03	639	633	0	99.06	0.94
3	A/TUR/9/2005	TUR05-09	639	633	0	99.06	0.94
4	A/TUR/7/2005	TUR05-07	639	632	0	98.9	1.1
5	A/IRN/31/2005	IRN05-31	639	632	0	98.9	1.1
6	A/TUR/6/2005	TUR05-06	639	632	0	98.9	1.1
7	A/TUR/10/2005	TUR05-10	639	632	0	98.9	1.1
8	A/TUR/2/2006	TUR06-02	639	632	0	98.9	1.1
9	A/TUR/12/2005	TUR05-12	639	632	0	98.9	1.1
10	A/IRN/10/2005	IRN05-10	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	542	0	85.22	14.78
2	A/IND/7/82 (1980)	IND82-07	639	539	0	84.35	15.65
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/SAU/23/86	SAU86-23	639	529	0	82.79	17.21
7	A/IRN/1/96	IRN96-01	638	527	1	82.6	17.4
8	A/TAI/2/97	TAI97-02	636	525	0	82.55	17.45
9	A22/IRQ/24/64 (AJ251474)	IRQ64-24	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	Report date: 15/08/2006						
WRL Ref No: TUR/19/2006							
Sender Ref: 1104/2006							
Date collected: 22/06/2006							
Date received by WRLFMD: 23/07/2006	Topotype: Asia						
Date received for sequencing: 28/07/2006	Genotype/strain: Irn05						
Species: Cattle	Sequence filename: TUR06-19.SEQ						
Material used: BTy1	Date sequence last updated: 13/08/2006						
Region sequenced: VP1	Total no. of comparisons: 929						
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: 23 days						
No. of ambiguities: 0	Sequencing time: 18 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/11/2006	TUR06-11	639	637	0	99.69	0.31
2	A/TUR/1/2006	TUR06-01	639	636	0	99.53	0.47
3	A/TUR/9/2005	TUR05-09	639	636	0	99.53	0.47
4	A/TUR/3/2006	TUR06-03	639	636	0	99.53	0.47
5	A/TUR/7/2005	TUR05-07	639	635	0	99.37	0.63
6	A/IRN/31/2005	IRN05-31	639	635	0	99.37	0.63
7	A/TUR/10/2005	TUR05-10	639	635	0	99.37	0.63
8	A/TUR/2/2006	TUR06-02	639	635	0	99.37	0.63
9	A/TUR/6/2005	TUR05-06	639	635	0	99.37	0.63
10	A/IRN/10/2005	IRN05-10	639	635	0	99.37	0.63
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	538	0	84.19	15.81
3	A/IRN/22/99	IRN99-22	636	535	0	84.12	15.88
4	A/IRN/87	IRN87--M	634	533	2	84.07	15.93
5	A/TAI/118/87*	TAI87-AD	636	530	0	83.33	16.67
6	A/SAU/23/86	SAU86-23	639	528	0	82.63	17.37
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	508	0	79.5	20.5
nt, nucleotides							
*, not a WRLFMD reference number							

Serotype: A
WRL Ref No: TUR/20/2006
Sender Ref: 1115/2006
Date collected: 23/06/2006
Date received by WRLFMD: 23/07/2006
Date received for sequencing: 28/07/2006
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: 15/08/2006
Topotype: Asia
Genotype/strain: Irn05
Sequence filename: TUR06-20.SEQ
Date sequence last updated: 13/08/2006
Total no. of comparisons: 929
Min. no. of nt for comparison: 300
Total turn-around time: 23 days
Sequencing time: 18 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/1/2006	TUR06-01	639	636	0	99.53	0.47
2	A/TUR/3/2006	TUR06-03	639	636	0	99.53	0.47
3	A/TUR/9/2005	TUR05-09	639	636	0	99.53	0.47
4	A/TUR/6/2006	TUR06-06	639	635	0	99.37	0.63
5	A/IRN/31/2005	IRN05-31	639	635	0	99.37	0.63
6	A/TUR/6/2005	TUR05-06	639	635	0	99.37	0.63
7	A/TUR/10/2005	TUR05-10	639	635	0	99.37	0.63
8	A/TUR/2/2006	TUR06-02	639	635	0	99.37	0.63
9	A/TUR/12/2005	TUR05-12	639	635	0	99.37	0.63
10	A/IRN/10/2005	IRN05-10	639	635	0	99.37	0.63

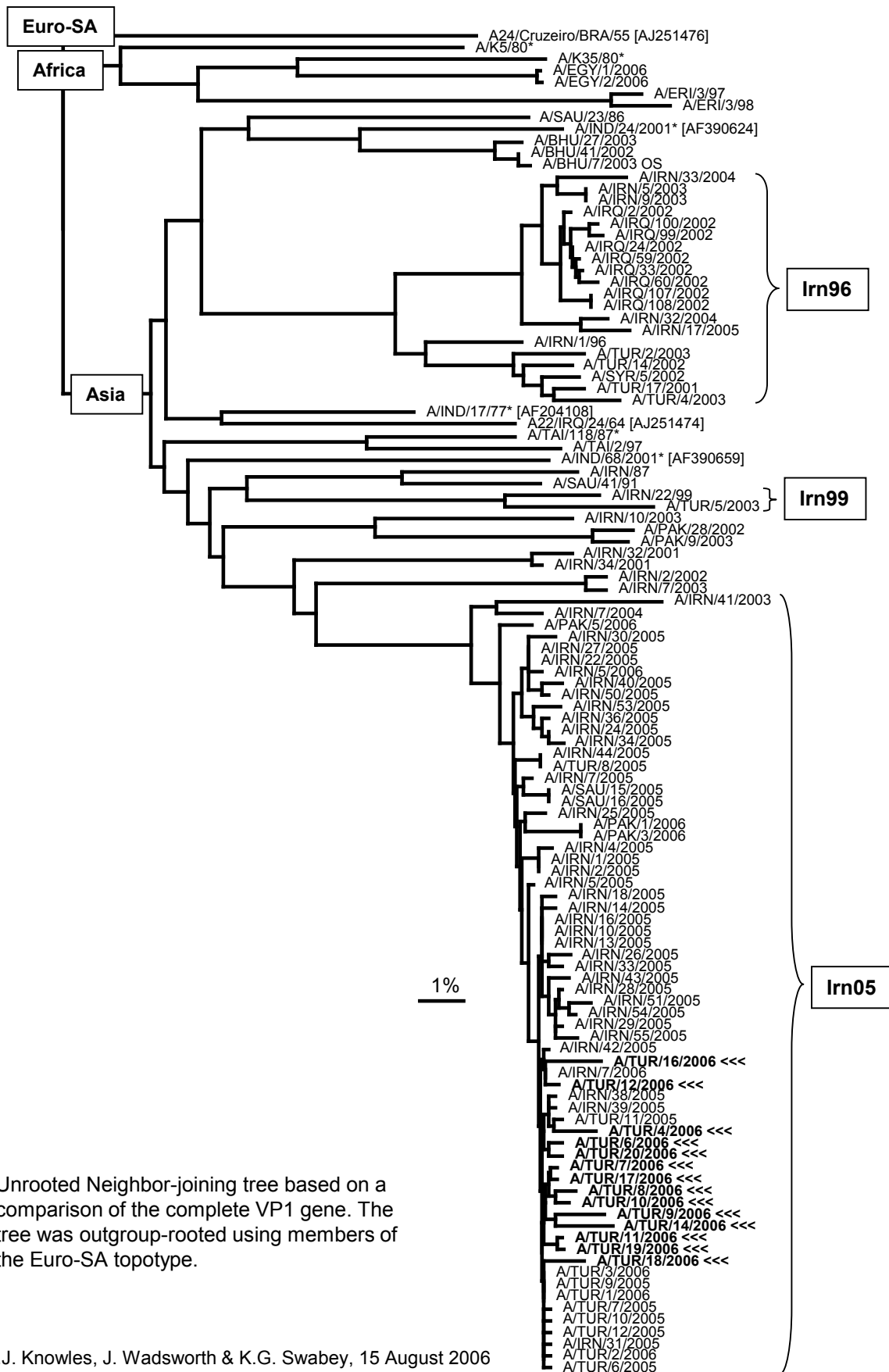
Relationships to Reference Virus Strains

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	541	0	84.66	15.34
3	A/IRN/87	IRN87--M	634	535	2	84.38	15.62
4	A/IRN/22/99	IRN99-22	636	534	0	83.96	16.04
5	A/TAI/118/87*	TAI87-AD	636	534	0	83.96	16.04
6	A/TAI/2/97	TAI97-02	636	527	0	82.86	17.14
7	A22/IRQ/24/64 (AJ251474)	IRQ64-24	639	528	0	82.63	17.37
8	A/SAU/23/86	SAU86-23	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	511	0	79.97	20.03

nt, nucleotides

*, not a WRLFMD reference number

Report on FMDV A from Turkey in 2006



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