

Serotype: A	Report date: 22/06/2006
WRL Ref No: TUR/6/2005	
Sender Ref: 542/2005	
Date collected: 18/11/2005	Topotype: Asia
Date received by WRLFMD: 16/02/2006	Genotype/strain: none designated
Date received for sequencing: 21/02/2006	Sequence filename: TUR05-06.SEQ
Species: Cattle	Date sequence last updated: 19/06/2006
Material used: BTy1	Total no. of comparisons: 909
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: 126 days
No. of Nt determined: 639	Sequencing time: 121 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/9/2005	TUR05-09	639	638	0	99.84	0.16
2	A/TUR/3/2006	TUR06-03	639	638	0	99.84	0.16
3	A/TUR/1/2006	TUR06-01	638	637	1	99.84	0.16
4	A/IRN/7/2006	IRN06-07	639	637	0	99.69	0.31
5	A/TUR/12/2005	TUR05-12	639	637	0	99.69	0.31
6	A/TUR/10/2005	TUR05-10	639	637	0	99.69	0.31
7	A/IRN/13/2005	IRN05-13	639	637	0	99.69	0.31
8	A/TUR/7/2005	TUR05-07	639	637	0	99.69	0.31
9	A/IRN/16/2005	IRN05-16	639	637	0	99.69	0.31
10	A/IRN/10/2005	IRN05-10	639	637	0	99.69	0.31

### 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	533	0	83.81	16.19
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	528	0	82.63	17.37
8	A/TAI/2/97	TAI97-02	636	525	0	82.55	17.45
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

Serotype: A	Report date: 22/06/2006
WRL Ref No: TUR/7/2005	
Sender Ref: 546/2005	
Date collected: 26/11/2005	
Date received by WRLFMD: 16/02/2006	Topotype: Asia
Date received for sequencing: 21/02/2006	Genotype/strain: none designated
Species: Cattle	Sequence filename: TUR05-07.SEQ
Material used: BTy1	Date sequence last updated: 19/06/2006
Region sequenced: VP1	Total no. of comparisons: 909
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: 126 days
No. of ambiguities: 0	Sequencing time: 121 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/9/2005	TUR05-09	639	638	0	99.84	0.16
2	A/TUR/3/2006	TUR06-03	639	638	0	99.84	0.16
3	A/TUR/1/2006	TUR06-01	638	637	1	99.84	0.16
4	A/IRN/7/2006	IRN06-07	639	637	0	99.69	0.31
5	A/TUR/12/2005	TUR05-12	639	637	0	99.69	0.31
6	A/TUR/10/2005	TUR05-10	639	637	0	99.69	0.31
7	A/IRN/13/2005	IRN05-13	639	637	0	99.69	0.31
8	A/TUR/6/2005	TUR05-06	639	637	0	99.69	0.31
9	A/IRN/16/2005	IRN05-16	639	637	0	99.69	0.31
10	A/IRN/10/2005	IRN05-10	639	637	0	99.69	0.31

### 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	533	2	84.07	15.93
4	A/IRN/22/99	IRN99-22	636	533	0	83.81	16.19
5	A/TAI/118/87*	TAI87-AD	636	532	0	83.65	16.35
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	525	0	82.55	17.45
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: 22/06/2006
WRL Ref No: TUR/8/2005	
Sender Ref: 553/2005	
Date collected: 07/12/2005	
Date received by WRLFMD: 16/02/2006	Topotype: Asia
Date received for sequencing: 21/02/2006	Genotype/strain: none designated
Species: Cattle	Sequence filename: TUR05-08.SEQ
Material used: BTy1	Date sequence last updated: 19/06/2006
Region sequenced: VP1	Total no. of comparisons: 909
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: 126 days
No. of ambiguities: 0	Sequencing time: 121 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/IRN/44/2005	IRN05-44	639	639	0	100	0
2	A/IRN/5/2005	IRN05-05	639	634	0	99.22	0.78
3	A/IRN/7/2005	IRN05-07	639	633	0	99.06	0.94
4	A/IRN/10/2005	IRN05-10	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/13/2005	IRN05-13	639	632	0	98.9	1.1
8	A/IRN/1/2005	IRN05-01	639	632	0	98.9	1.1
9	A/IRN/22/2005	IRN05-22	639	632	0	98.9	1.1
10	A/IRN/27/2005	IRN05-27	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	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: TUR/9/2005  
Sender Ref: 562/2005  
Date collected: 13/12/2005  
Date received by WRLFMD: 16/02/2006  
Date received for sequencing: 21/02/2006  
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: 22/06/2006  
Topotype: Asia  
Genotype/strain: none designated  
Sequence filename: TUR05-09.SEQ  
Date sequence last updated: 19/06/2006  
Total no. of comparisons: 909  
Min. no. of nt for comparison: 300  
Total turn-around time: 126 days  
Sequencing time: 121 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	638	638	1	100	0
2	A/TUR/3/2006	TUR06-03	639	639	0	100	0
3	A/IRN/16/2005	IRN05-16	639	638	0	99.84	0.16
4	A/TUR/7/2005	TUR05-07	639	638	0	99.84	0.16
5	A/TUR/12/2005	TUR05-12	639	638	0	99.84	0.16
6	A/TUR/10/2005	TUR05-10	639	638	0	99.84	0.16
7	A/IRN/13/2005	IRN05-13	639	638	0	99.84	0.16
8	A/IRN/7/2006	IRN06-07	639	638	0	99.84	0.16
9	A/TUR/2/2006	TUR06-02	639	638	0	99.84	0.16
10	A/IRN/10/2005	IRN05-10	639	638	0	99.84	0.16

### 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	541	0	84.66	15.34
3	A/IRN/87	IRN87--M	634	534	2	84.23	15.77
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	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	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	510	0	79.81	20.19

nt, nucleotides

\*, not a WRLFMD reference number

Serotype: A  
WRL Ref No: TUR/10/2005  
Sender Ref: 565/2005  
Date collected: 20/12/2005  
Date received by WRLFMD: 16/02/2006  
Date received for sequencing: 17/02/2006  
Species: Cattle  
Material used: 10% epi susp  
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: 22/06/2006  
Topotype: Asia  
Genotype/strain: none designated  
Sequence filename: TUR05-10.SEQ  
Date sequence last updated: 21/02/2006  
Total no. of comparisons: 909  
Min. no. of nt for comparison: 300  
Total turn-around time: 126 days  
Sequencing time: 125 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/9/2005	TUR05-09	639	638	0	99.84	0.16
2	A/TUR/3/2006	TUR06-03	639	638	0	99.84	0.16
3	A/TUR/1/2006	TUR06-01	638	637	1	99.84	0.16
4	A/IRN/16/2005	IRN05-16	639	637	0	99.69	0.31
5	A/TUR/7/2005	TUR05-07	639	637	0	99.69	0.31
6	A/TUR/12/2005	TUR05-12	639	637	0	99.69	0.31
7	A/IRN/13/2005	IRN05-13	639	637	0	99.69	0.31
8	A/IRN/7/2006	IRN06-07	639	637	0	99.69	0.31
9	A/TUR/2/2006	TUR06-02	639	637	0	99.69	0.31
10	A/IRN/10/2005	IRN05-10	639	637	0	99.69	0.31

### 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	542	0	84.82	15.18
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	A22/IRQ/24/64 (AJ251474)	IRQ64-24	639	530	0	82.94	17.06
7	A/TAI/2/97	TAI97-02	636	527	0	82.86	17.14
8	A/SAU/23/86	SAU86-23	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	511	0	79.97	20.03

nt, nucleotides

\*, not a WRLFMD reference number

Serotype: A	Report date: 22/06/2006
WRL Ref No: TUR/11/2005	
Sender Ref: 570/2005	
Date collected: 23/12/2005	
Date received by WRLFMD: 16/02/2006	Topotype: Asia
Date received for sequencing: 17/02/2006	Genotype/strain: none designated
Species: Cattle	Sequence filename: TUR05-11.SEQ
Material used: 10% epi susp	Date sequence last updated: 08/06/2006
Region sequenced: VP1	Total no. of comparisons: 909
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: 126 days
No. of ambiguities: 0	Sequencing time: 125 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/IRN/39/2005	IRN05-39	639	636	0	99.53	0.47
2	A/TUR/9/2005	TUR05-09	639	636	0	99.53	0.47
3	A/IRN/38/2005	IRN05-38	639	636	0	99.53	0.47
4	A/TUR/3/2006	TUR06-03	639	636	0	99.53	0.47
5	A/TUR/1/2006	TUR06-01	638	635	1	99.53	0.47
6	A/IRN/16/2005	IRN05-16	639	635	0	99.37	0.63
7	A/TUR/7/2005	TUR05-07	639	635	0	99.37	0.63
8	A/TUR/12/2005	TUR05-12	639	635	0	99.37	0.63
9	A/TUR/2/2006	TUR06-02	639	635	0	99.37	0.63
10	A/IRN/13/2005	IRN05-13	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	542	0	84.82	15.18
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	531	0	83.49	16.51
6	A/SAU/23/86	SAU86-23	639	530	0	82.94	17.06
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/IRN/1/96	IRN96-01	638	525	1	82.29	17.71
10	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	639	510	0	79.81	20.19

nt, nucleotides

\*, not a WRLFMD reference number

Serotype: A	Report date: 22/06/2006
WRL Ref No: TUR/12/2005	
Sender Ref: 569/2005	
Date collected: 27/12/2005	
Date received by WRLFMD: 16/02/2006	Topotype: Asia
Date received for sequencing: 17/02/2006	Genotype/strain: none designated
Species: Cattle	Sequence filename: TUR05-12.SEQ
Material used: 10% epi susp	Date sequence last updated: 13/03/2006
Region sequenced: VP1	Total no. of comparisons: 909
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: 126 days
No. of ambiguities: 0	Sequencing time: 125 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/9/2005	TUR05-09	639	638	0	99.84	0.16
2	A/TUR/3/2006	TUR06-03	639	638	0	99.84	0.16
3	A/TUR/1/2006	TUR06-01	638	637	1	99.84	0.16
4	A/IRN/16/2005	IRN05-16	639	637	0	99.69	0.31
5	A/TUR/7/2005	TUR05-07	639	637	0	99.69	0.31
6	A/TUR/2/2006	TUR06-02	639	637	0	99.69	0.31
7	A/IRN/13/2005	IRN05-13	639	637	0	99.69	0.31
8	A/IRN/7/2006	IRN06-07	639	637	0	99.69	0.31
9	A/IRN/10/2005	IRN05-10	639	637	0	99.69	0.31
10	A/TUR/10/2005	TUR05-10	639	637	0	99.69	0.31

### 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	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	534	0	83.96	16.04
5	A/IRN/22/99	IRN99-22	636	533	0	83.81	16.19
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	527	1	82.6	17.4
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: TUR/1/2006  
Sender Ref: 161/2006  
Date collected: 31/01/2006  
Date received by WRLFMD: 16/02/2006  
Date received for sequencing: 17/02/2006  
Species: Cattle  
Material used: BTy1  
Region sequenced: VP1  
RT-PCR primers: A-1C562F/EUR-2B52R;  
A-1C612F/EUR-2B52R  
No. of Nt determined: 638  
No. of ambiguities: 1  
Gene length: 639

Report date: 23/02/2006  
Topotype: Asia  
Genotype/strain: not designated  
Sequence filename: TUR06-01.SEQ  
Date sequence last updated: 21/02/2006  
Total no. of comparisons: 849  
Min. no. of nt for comparison: 300  
Total turn-around time: 7 days  
Sequencing time: 6 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	638	638	1	100	0
2	A/IRN/13/2005	IRN05-13	638	637	1	99.84	0.16
3	A/IRN/10/2005	IRN05-10	638	637	1	99.84	0.16
4	A/TUR/2/2006	TUR06-02	638	637	1	99.84	0.16
5	A/IRN/16/2005	IRN05-16	638	637	1	99.84	0.16
6	A/IRN/18/2005	IRN05-18	638	635	1	99.53	0.47
7	A/IRN/5/2005	IRN05-05	638	635	1	99.53	0.47
8	A/IRN/14/2005	IRN05-14	638	635	1	99.53	0.47
9	A/IRN/2/2005	IRN05-02	638	633	1	99.22	0.78
10	A/IRN/1/2005	IRN05-01	638	633	1	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	635	542	1	85.35	14.65
2	A/IND/7/82 (1980)	IND82-07	638	540	1	84.64	15.36
3	A/IRN/87	IRN87--M	633	533	3	84.2	15.8
4	A/IRN/22/99	IRN99-22	635	533	1	83.94	16.06
5	A/TAI/118/87*	TAI87-AD	635	532	1	83.78	16.22
6	A/SAU/23/86	SAU86-23	638	529	1	82.92	17.08
7	A22/IRQ/24/64 (AJ251474)	IRQ64-24	638	528	1	82.76	17.24
8	A/TAI/2/97	TAI97-02	635	525	1	82.68	17.32
9	A/IRN/1/96	IRN96-01	638	526	1	82.45	17.55
10	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	638	509	1	79.78	20.22

nt, nucleotides  
\*, not a WRLFMD reference number



Serotype: A	Report date: 23/02/2006
WRL Ref No: TUR/2/2006	
Sender Ref: 175/2006	
Date collected: 01/02/2006	
Date received by WRLFMD: 16/02/2006	Topotype: Asia
Date received for sequencing: 17/02/2006	Genotype/strain: not designated
Species: Cattle	Sequence filename: TUR06-02.SEQ
Material used: BTy1	Date sequence last updated: 21/02/2006
Region sequenced: VP1	Total no. of comparisons: 849
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: 7 days
No. of ambiguities: 0	Sequencing time: 6 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	638	0	99.84	0.16
2	A/TUR/1/2006	TUR06-01	638	637	1	99.84	0.16
3	A/IRN/10/2005	IRN05-10	639	637	0	99.69	0.31
4	A/IRN/13/2005	IRN05-13	639	637	0	99.69	0.31
5	A/IRN/16/2005	IRN05-16	639	637	0	99.69	0.31
6	A/IRN/18/2005	IRN05-18	639	635	0	99.37	0.63
7	A/IRN/5/2005	IRN05-05	639	635	0	99.37	0.63
8	A/IRN/14/2005	IRN05-14	639	635	0	99.37	0.63
9	A/IRN/2/2005	IRN05-02	639	633	0	99.06	0.94
10	A/IRN/1/2005	IRN05-01	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	542	0	85.22	14.78
2	A/IND/7/82 (1980)	IND82-07	639	540	0	84.51	15.49
3	A/IRN/87	IRN87--M	634	533	2	84.07	15.93
4	A/IRN/22/99	IRN99-22	636	533	0	83.81	16.19
5	A/TAI/118/87*	TAI87-AD	636	532	0	83.65	16.35
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	525	0	82.55	17.45
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: TUR/3/2006  
Sender Ref: 194/2006  
Date collected: 05/02/2006  
Date received by WRLFMD: 16/02/2006  
Date received for sequencing: 17/02/2006  
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: 23/02/2006  
Topotype: Asia  
Genotype/strain: not designated  
Sequence filename: TUR06-03.SEQ  
Date sequence last updated: 21/02/2006  
Total no. of comparisons: 849  
Min. no. of nt for comparison: 300  
Total turn-around time: 7 days  
Sequencing time: 6 days

Comments:

**Ten Most Closely Related Viruses**

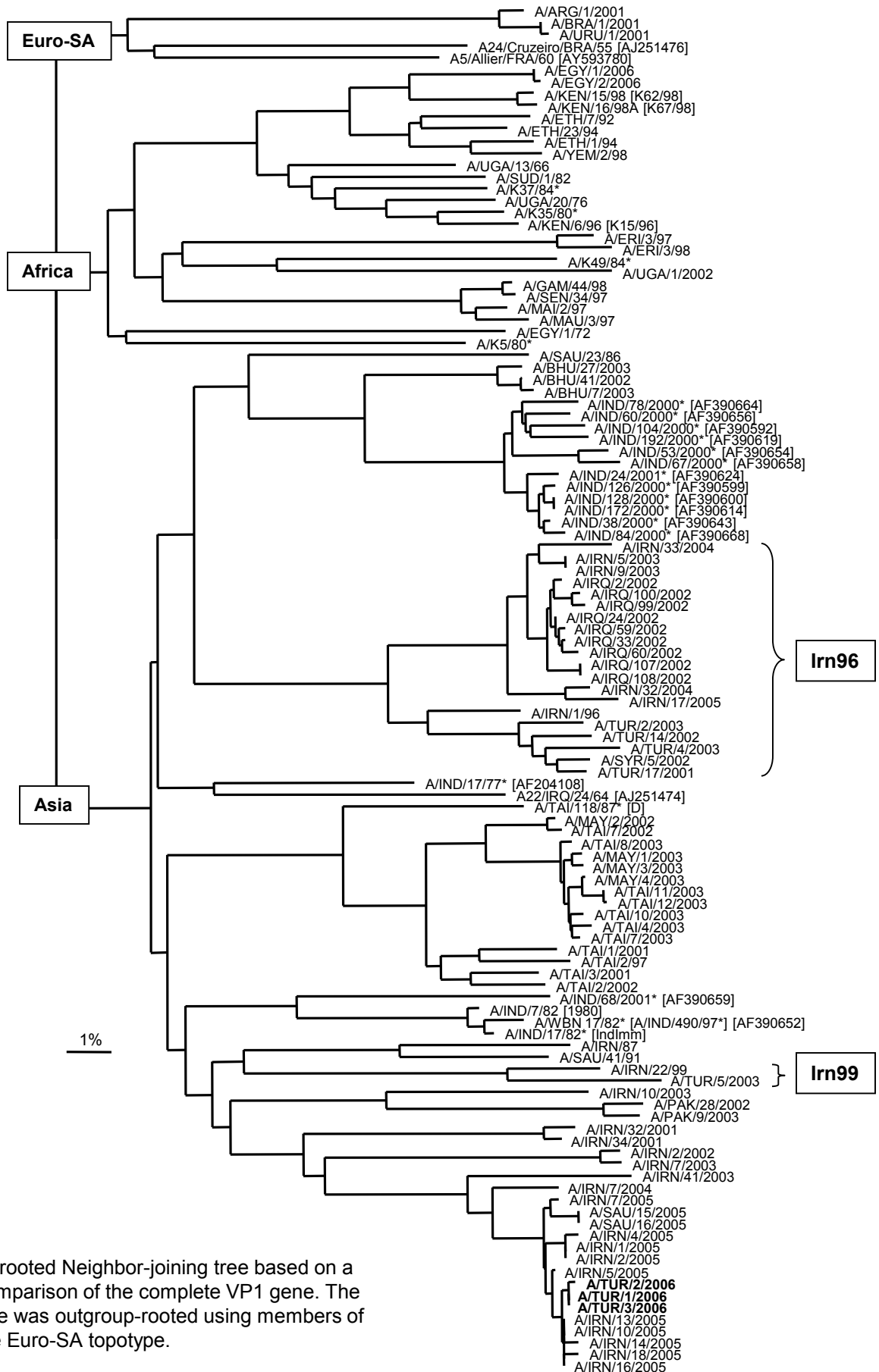
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/TUR/1/2006	TUR06-01	638	638	1	100	0
2	A/TUR/2/2006	TUR06-02	639	638	0	99.84	0.16
3	A/IRN/10/2005	IRN05-10	639	638	0	99.84	0.16
4	A/IRN/13/2005	IRN05-13	639	638	0	99.84	0.16
5	A/IRN/16/2005	IRN05-16	639	638	0	99.84	0.16
6	A/IRN/18/2005	IRN05-18	639	636	0	99.53	0.47
7	A/IRN/5/2005	IRN05-05	639	636	0	99.53	0.47
8	A/IRN/14/2005	IRN05-14	639	636	0	99.53	0.47
9	A/IRN/2/2005	IRN05-02	639	634	0	99.22	0.78
10	A/IRN/1/2005	IRN05-01	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	543	0	85.38	14.62
2	A/IND/7/82 (1980)	IND82-07	639	541	0	84.66	15.34
3	A/IRN/87	IRN87--M	634	534	2	84.23	15.77
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	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	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	510	0	79.81	20.19

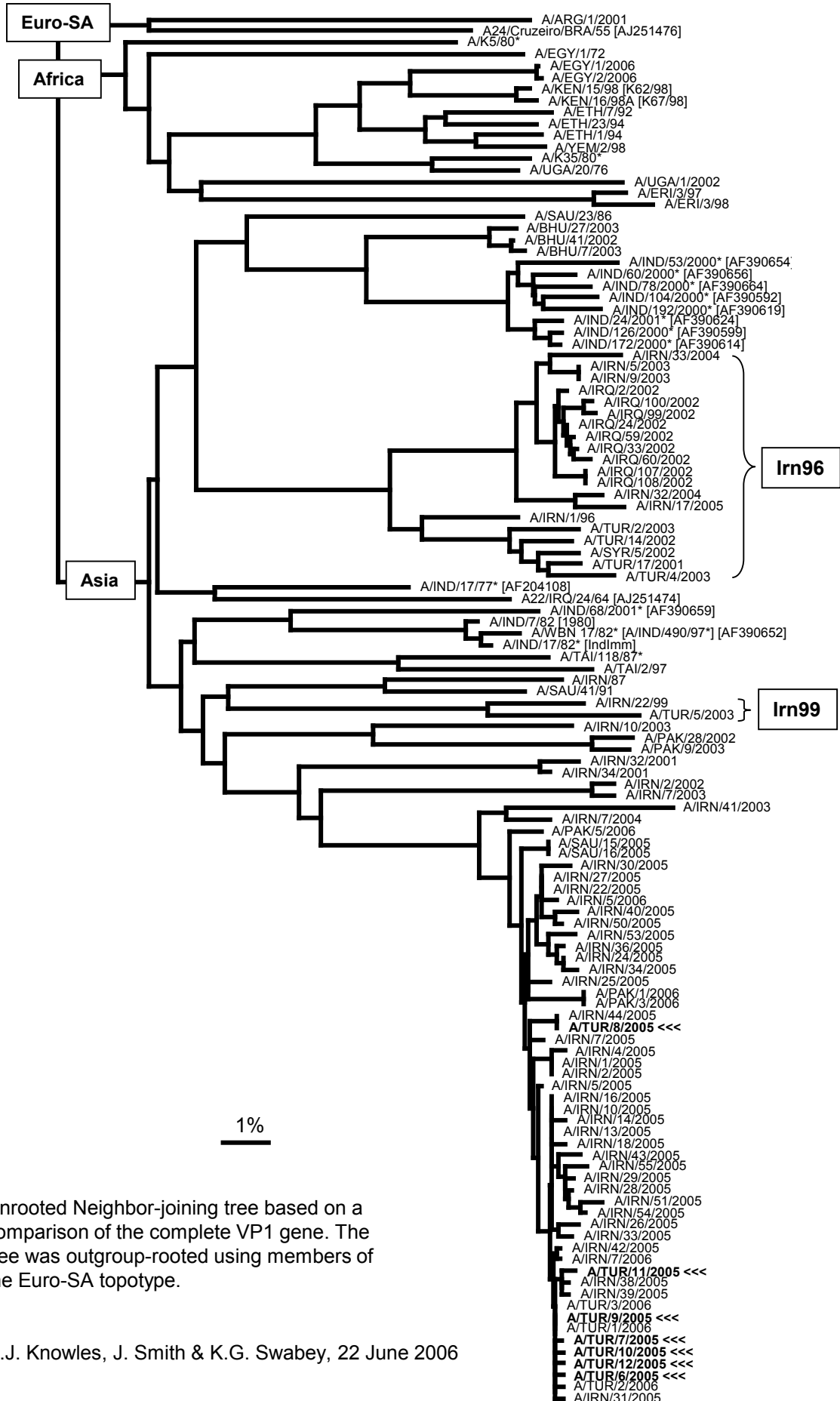
nt, nucleotides  
\*, not a WRLFMD reference number

# 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.

# Report on FMDV A from Turkey 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 topotype.