

Serotype: A	Report date: 13/06/2007						
WRL Ref No: TAI/1/2006							
Sender Ref: 8-2/06							
Date collected: 16/01/2006							
Date received by WRLFMD: 27/05/2007	Topotype: ASIA						
Date received for sequencing: 04/06/2007	Genotype/strain: none designated						
Species: Cattle	Sequence filename: TAI06-01.SEQ						
Material used: BHK4 BTy1	Date sequence last updated: 11/06/2007						
Region sequenced: VP1	Total no. of comparisons: 868						
RT-PCR primers: A-1C562F/EUR-2B52R; A-1C612F/EUR-2B52R	Min. no. of nt for comparison: 300						
No. of Nt determined: 636	Total turn-around time: 17 days						
No. of ambiguities: 0	Sequencing time: 9 days						
Gene length: 636							
Comments:							
Ten Most Closely Related Viruses							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/TAI/11/2005	TAI05-11	636	635	0	99.84	0.16
2	A/TAI/5/2003	TAI03-05	624	607	0	97.28	2.72
3	A/MAY/4/2003	MAY03-04	636	618	0	97.17	2.83
4	A/TAI/8/2003	TAI03-08	631	613	5	97.15	2.85
5	A/TAI/9/2003	TAI03-09	617	599	1	97.08	2.92
6	A/LAO/1/2006	LAO06-01	636	617	0	97.01	2.99
7	A/LAO/36/2003	LAO03-36	636	617	0	97.01	2.99
8	A/TAI/7/2003	TAI03-07	636	617	0	97.01	2.99
9	A/TAI/10/2003	TAI03-10	636	616	0	96.86	3.14
10	A/TAI/2/04R2* [TRRL]	TAI04-AA	636	616	0	96.86	3.14
Relationships to Reference Virus Strains							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/TAI/2/97 (EF208778)	TAI97-02	636	588	0	92.45	7.55
2	A/TAI/118/87* (EF208777)	TAI87-AD	636	566	0	88.99	11.01
3	A/IND/7/82 (1980)	IND82-07	636	533	0	83.81	16.19
4	A/SAU/41/91	SAU91-41	633	520	0	82.15	17.85
5	A/IRN/87	IRN87--M	634	519	2	81.86	18.14
6	A22/IRQ/24/64 (AJ251474)	IRQ64-24	636	520	0	81.76	18.24
7	A/IRN/1/96 (EF208771)	IRN96-01	635	519	1	81.73	18.27
8	A/SAU/23/86	SAU86-23	636	518	0	81.45	18.55
9	A/IRN/22/99 (EF208772)	IRN99-22	633	512	0	80.88	19.12
10	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	636	510	0	80.19	19.81
nt, nucleotides							
*, not a WRLFMD reference number							

Serotype: A
WRL Ref No: TAI/2/2006
Sender Ref: 29-2/06
Date collected: 06/03/2006
Date received by WRLFMD: 27/05/2007
Date received for sequencing: 04/06/2007
Species: Cattle
Material used: BHK4 BTy1
Region sequenced: VP1
RT-PCR primers: A-1C562F/EUR-2B52R;
A-1C612F/EUR-2B52R
No. of Nt determined: 636
No. of ambiguities: 0
Gene length: 636

Report date: 13/06/2007
Topotype: ASIA
Genotype/strain: none designated
Sequence filename: TAI06-02.SEQ
Date sequence last updated: 11/06/2007
Total no. of comparisons: 868
Min. no. of nt for comparison: 300
Total turn-around time: 17 days
Sequencing time: 9 days

Comments:

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/TAI/4/2006	TAI06-04	636	632	0	99.37	0.63
2	A/TAI/3/2006	TAI06-03	636	631	0	99.21	0.79
3	A/TAI/11/2006	TAI06-11	636	629	0	98.9	1.1
4	A/TAI/6/2006	TAI06-06	636	629	0	98.9	1.1
5	A/TAI/7/2006	TAI06-07	636	629	0	98.9	1.1
6	A/TAI/9/2006	TAI06-09	636	629	0	98.9	1.1
7	A/TAI/10/2006	TAI06-10	636	626	0	98.43	1.57
8	A/TAI/8/2006	TAI06-08	636	626	0	98.43	1.57
9	A/MAY/4/2003	MAY03-04	636	622	0	97.8	2.2
10	A/LAO/1/2006	LAO06-01	636	621	0	97.64	2.36

Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/TAI/2/97 (EF208778)	TAI97-02	636	586	0	92.14	7.86
2	A/TAI/118/87* (EF208777)	TAI87-AD	636	571	0	89.78	10.22
3	A/IND/7/82 (1980)	IND82-07	636	542	0	85.22	14.78
4	A/SAU/23/86	SAU86-23	636	524	0	82.39	17.61
5	A/IRN/87	IRN87--M	634	520	2	82.02	17.98
6	A/SAU/41/91	SAU91-41	633	519	0	81.99	18.01
7	A/IRN/1/96 (EF208771)	IRN96-01	635	520	1	81.89	18.11
8	A22/IRQ/24/64 (AJ251474)	IRQ64-24	636	517	0	81.29	18.71
9	A/IRN/22/99 (EF208772)	IRN99-22	633	508	0	80.25	19.75
10	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	636	501	0	78.77	21.23

nt, nucleotides

*, not a WRLFMD reference number

Serotype: A	Report date: 13/06/2007						
WRL Ref No: TAI/3/2006							
Sender Ref: 46/06							
Date collected: 25/05/2006							
Date received by WRLFMD: 27/05/2007	Topotype: ASIA						
Date received for sequencing: 04/06/2007	Genotype/strain: none designated						
Species: Cattle	Sequence filename: TAI06-03.SEQ						
Material used: LK3 BHK2 BTy1	Date sequence last updated: 11/06/2007						
Region sequenced: VP1	Total no. of comparisons: 868						
RT-PCR primers: A-1C562F/EUR-2B52R; A-1C612F/EUR-2B52R	Min. no. of nt for comparison: 300						
No. of Nt determined: 636	Total turn-around time: 17 days						
No. of ambiguities: 0	Sequencing time: 9 days						
Gene length: 636							
Comments:							
Ten Most Closely Related Viruses							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/TAI/4/2006	TAI06-04	636	633	0	99.53	0.47
2	A/TAI/2/2006	TAI06-02	636	631	0	99.21	0.79
3	A/TAI/6/2006	TAI06-06	636	630	0	99.06	0.94
4	A/TAI/7/2006	TAI06-07	636	630	0	99.06	0.94
5	A/TAI/9/2006	TAI06-09	636	630	0	99.06	0.94
6	A/TAI/10/2006	TAI06-10	636	629	0	98.9	1.1
7	A/TAI/11/2006	TAI06-11	636	628	0	98.74	1.26
8	A/TAI/8/2006	TAI06-08	636	623	0	97.96	2.04
9	A/MAY/4/2003	MAY03-04	636	621	0	97.64	2.36
10	A/LAO/1/2006	LAO06-01	636	620	0	97.48	2.52
Relationships to Reference Virus Strains							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/TAI/2/97 (EF208778)	TAI97-02	636	585	0	91.98	8.02
2	A/TAI/118/87* (EF208777)	TAI87-AD	636	568	0	89.31	10.69
3	A/IND/7/82 (1980)	IND82-07	636	539	0	84.75	15.25
4	A/SAU/23/86	SAU86-23	636	521	0	81.92	18.08
5	A/IRN/87	IRN87--M	634	519	2	81.86	18.14
6	A/SAU/41/91	SAU91-41	633	518	0	81.83	18.17
7	A/IRN/1/96 (EF208771)	IRN96-01	635	518	1	81.57	18.43
8	A22/IRQ/24/64 (AJ251474)	IRQ64-24	636	515	0	80.97	19.03
9	A/IRN/22/99 (EF208772)	IRN99-22	633	505	0	79.78	20.22
10	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	636	500	0	78.62	21.38
nt, nucleotides							
*, not a WRLFMD reference number							

Serotype: A
WRL Ref No: TAI/4/2006
Sender Ref: 50/06
Date collected: 14/06/2006
Date received by WRLFMD: 27/05/2007
Date received for sequencing: 04/06/2007
Species: Cattle
Material used: LK1 BHK2 BTy1
Region sequenced: VP1
RT-PCR primers: A-1C562F/EUR-2B52R;
A-1C612F/EUR-2B52R
No. of Nt determined: 636
No. of ambiguities: 0
Gene length: 636

Report date: 13/06/2007
Topotype: ASIA
Genotype/strain: none designated
Sequence filename: TAI06-04.SEQ
Date sequence last updated: 11/06/2007
Total no. of comparisons: 868
Min. no. of nt for comparison: 300
Total turn-around time: 17 days
Sequencing time: 9 days

Comments:

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/TAI/3/2006	TAI06-03	636	633	0	99.53	0.47
2	A/TAI/6/2006	TAI06-06	636	633	0	99.53	0.47
3	A/TAI/7/2006	TAI06-07	636	633	0	99.53	0.47
4	A/TAI/9/2006	TAI06-09	636	633	0	99.53	0.47
5	A/TAI/2/2006	TAI06-02	636	632	0	99.37	0.63
6	A/TAI/10/2006	TAI06-10	636	630	0	99.06	0.94
7	A/TAI/11/2006	TAI06-11	636	629	0	98.9	1.1
8	A/TAI/8/2006	TAI06-08	636	624	0	98.11	1.89
9	A/MAY/4/2003	MAY03-04	636	622	0	97.8	2.2
10	A/LAO/1/2006	LAO06-01	636	621	0	97.64	2.36

Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/TAI/2/97 (EF208778)	TAI97-02	636	586	0	92.14	7.86
2	A/TAI/118/87* (EF208777)	TAI87-AD	636	569	0	89.47	10.53
3	A/IND/7/82 (1980)	IND82-07	636	542	0	85.22	14.78
4	A/SAU/23/86	SAU86-23	636	524	0	82.39	17.61
5	A/SAU/41/91	SAU91-41	633	521	0	82.31	17.69
6	A/IRN/87	IRN87--M	634	520	2	82.02	17.98
7	A/IRN/1/96 (EF208771)	IRN96-01	635	518	1	81.57	18.43
8	A22/IRQ/24/64 (AJ251474)	IRQ64-24	636	517	0	81.29	18.71
9	A/IRN/22/99 (EF208772)	IRN99-22	633	508	0	80.25	19.75
10	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	636	503	0	79.09	20.91

nt, nucleotides

*, not a WRLFMD reference number

Serotype: A	Report date: 13/06/2007						
WRL Ref No: TAI/6/2006							
Sender Ref: 76/06							
Date collected: 18/09/2006							
Date received by WRLFMD: 27/05/2007	Topotype: ASIA						
Date received for sequencing: 04/06/2007	Genotype/strain: none designated						
Species: Cattle	Sequence filename: TAI06-06.SEQ						
Material used: LK2 BHK1 BTy1	Date sequence last updated: 11/06/2007						
Region sequenced: VP1	Total no. of comparisons: 868						
RT-PCR primers: A-1C562F/EUR-2B52R; A-1C612F/EUR-2B52R	Min. no. of nt for comparison: 300						
No. of Nt determined: 636	Total turn-around time: 17 days						
No. of ambiguities: 0	Sequencing time: 9 days						
Gene length: 636							
Comments:							
Ten Most Closely Related Viruses							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/TAI/7/2006	TAI06-07	636	634	0	99.69	0.31
2	A/TAI/9/2006	TAI06-09	636	634	0	99.69	0.31
3	A/TAI/4/2006	TAI06-04	636	633	0	99.53	0.47
4	A/TAI/3/2006	TAI06-03	636	630	0	99.06	0.94
5	A/TAI/2/2006	TAI06-02	636	629	0	98.9	1.1
6	A/TAI/10/2006	TAI06-10	636	627	0	98.58	1.42
7	A/TAI/11/2006	TAI06-11	636	626	0	98.43	1.57
8	A/TAI/8/2006	TAI06-08	636	621	0	97.64	2.36
9	A/MAY/4/2003	MAY03-04	636	619	0	97.33	2.67
10	A/LAO/1/2006	LAO06-01	636	618	0	97.17	2.83
Relationships to Reference Virus Strains							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/TAI/2/97 (EF208778)	TAI97-02	636	583	0	91.67	8.33
2	A/TAI/118/87* (EF208777)	TAI87-AD	636	566	0	88.99	11.01
3	A/IND/7/82 (1980)	IND82-07	636	539	0	84.75	15.25
4	A/SAU/23/86	SAU86-23	636	524	0	82.39	17.61
5	A/SAU/41/91	SAU91-41	633	519	0	81.99	18.01
6	A/IRN/1/96 (EF208771)	IRN96-01	635	518	1	81.57	18.43
7	A/IRN/87	IRN87--M	634	517	2	81.55	18.45
8	A22/IRQ/24/64 (AJ251474)	IRQ64-24	636	516	0	81.13	18.87
9	A/IRN/22/99 (EF208772)	IRN99-22	633	506	0	79.94	20.06
10	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	636	500	0	78.62	21.38
nt, nucleotides							
*, not a WRLFMD reference number							

Serotype: A
WRL Ref No: TAI/7/2006
Sender Ref: 80/06
Date collected: 25/09/2006
Date received by WRLFMD: 27/05/2007
Date received for sequencing: 04/06/2007
Species: Cattle
Material used: LK1 BHK1 BTy1
Region sequenced: VP1
RT-PCR primers: A-1C562F/EUR-2B52R;
A-1C612F/EUR-2B52R
No. of Nt determined: 636
No. of ambiguities: 0
Gene length: 636

Report date: 13/06/2007
Topotype: ASIA
Genotype/strain: none designated
Sequence filename: TAI06-07.SEQ
Date sequence last updated: 11/06/2007
Total no. of comparisons: 868
Min. no. of nt for comparison: 300
Total turn-around time: 17 days
Sequencing time: 9 days

Comments:

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/TAI/6/2006	TAI06-06	636	634	0	99.69	0.31
2	A/TAI/9/2006	TAI06-09	636	634	0	99.69	0.31
3	A/TAI/4/2006	TAI06-04	636	633	0	99.53	0.47
4	A/TAI/3/2006	TAI06-03	636	630	0	99.06	0.94
5	A/TAI/2/2006	TAI06-02	636	629	0	98.9	1.1
6	A/TAI/10/2006	TAI06-10	636	627	0	98.58	1.42
7	A/TAI/11/2006	TAI06-11	636	626	0	98.43	1.57
8	A/MAY/4/2003	MAY03-04	636	621	0	97.64	2.36
9	A/TAI/8/2006	TAI06-08	636	621	0	97.64	2.36
10	A/LAO/1/2006	LAO06-01	636	620	0	97.48	2.52

Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/TAI/2/97 (EF208778)	TAI97-02	636	585	0	91.98	8.02
2	A/TAI/118/87* (EF208777)	TAI87-AD	636	568	0	89.31	10.69
3	A/IND/7/82 (1980)	IND82-07	636	541	0	85.06	14.94
4	A/SAU/23/86	SAU86-23	636	525	0	82.55	17.45
5	A/SAU/41/91	SAU91-41	633	520	0	82.15	17.85
6	A/IRN/87	IRN87--M	634	519	2	81.86	18.14
7	A/IRN/1/96 (EF208771)	IRN96-01	635	519	1	81.73	18.27
8	A22/IRQ/24/64 (AJ251474)	IRQ64-24	636	518	0	81.45	18.55
9	A/IRN/22/99 (EF208772)	IRN99-22	633	507	0	80.09	19.91
10	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	636	502	0	78.93	21.07

nt, nucleotides

*, not a WRLFMD reference number

Serotype: A	Report date: 13/06/2007						
WRL Ref No: TAI/8/2006							
Sender Ref: 83/06							
Date collected: 07/11/2006							
Date received by WRLFMD: 27/05/2007	Topotype: ASIA						
Date received for sequencing: 04/06/2007	Genotype/strain: none designated						
Species: Cattle	Sequence filename: TAI06-08.SEQ						
Material used: LK2 BHK2 BTy1	Date sequence last updated: 11/06/2007						
Region sequenced: VP1	Total no. of comparisons: 868						
RT-PCR primers: A-1C562F/EUR-2B52R; A-1C612F/EUR-2B52R	Min. no. of nt for comparison: 300						
No. of Nt determined: 636	Total turn-around time: 17 days						
No. of ambiguities: 0	Sequencing time: 9 days						
Gene length: 636							
Comments:							
Ten Most Closely Related Viruses							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/TAI/2/2006	TAI06-02	636	626	0	98.43	1.57
2	A/TAI/11/2006	TAI06-11	636	625	0	98.27	1.73
3	A/TAI/4/2006	TAI06-04	636	624	0	98.11	1.89
4	A/TAI/3/2006	TAI06-03	636	623	0	97.96	2.04
5	A/TAI/9/2006	TAI06-09	636	623	0	97.96	2.04
6	A/TAI/6/2006	TAI06-06	636	621	0	97.64	2.36
7	A/TAI/7/2006	TAI06-07	636	621	0	97.64	2.36
8	A/TAI/10/2006	TAI06-10	636	618	0	97.17	2.83
9	A/MAY/4/2003	MAY03-04	636	617	0	97.01	2.99
10	A/LAO/1/2006	LAO06-01	636	616	0	96.86	3.14
Relationships to Reference Virus Strains							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/TAI/2/97 (EF208778)	TAI97-02	636	583	0	91.67	8.33
2	A/TAI/118/87* (EF208777)	TAI87-AD	636	566	0	88.99	11.01
3	A/IND/7/82 (1980)	IND82-07	636	538	0	84.59	15.41
4	A/SAU/23/86	SAU86-23	636	523	0	82.23	17.77
5	A/IRN/1/96 (EF208771)	IRN96-01	635	518	1	81.57	18.43
6	A/SAU/41/91	SAU91-41	633	515	0	81.36	18.64
7	A/IRN/87	IRN87--M	634	514	2	81.07	18.93
8	A22/IRQ/24/64 (AJ251474)	IRQ64-24	636	513	0	80.66	19.34
9	A/IRN/22/99 (EF208772)	IRN99-22	633	508	0	80.25	19.75
10	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	636	496	0	77.99	22.01
nt, nucleotides							
*, not a WRLFMD reference number							

Serotype: A Report date: 13/06/2007
WRL Ref No: TAI/9/2006
Sender Ref: 84/06
Date collected: 10/11/2006
Date received by WRLFMD: 27/05/2007 Topotype: ASIA
Date received for sequencing: 04/06/2007 Genotype/strain: none designated
Species: Cattle Sequence filename: TAI06-09.SEQ
Material used: LK4 BHK2 BTy1 Date sequence last updated: 11/06/2007
Region sequenced: VP1 Total no. of comparisons: 868
RT-PCR primers: A-1C562F/EUR-2B52R; Min. no. of nt for comparison: 300
A-1C612F/EUR-2B52R Total turn-around time: 17 days
No. of Nt determined: 636 Sequencing time: 9 days
No. of ambiguities: 0
Gene length: 636

Comments:

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/TAI/6/2006	TAI06-06	636	634	0	99.69	0.31
2	A/TAI/7/2006	TAI06-07	636	634	0	99.69	0.31
3	A/TAI/4/2006	TAI06-04	636	633	0	99.53	0.47
4	A/TAI/3/2006	TAI06-03	636	630	0	99.06	0.94
5	A/TAI/2/2006	TAI06-02	636	629	0	98.9	1.1
6	A/TAI/10/2006	TAI06-10	636	627	0	98.58	1.42
7	A/TAI/11/2006	TAI06-11	636	626	0	98.43	1.57
8	A/TAI/8/2006	TAI06-08	636	623	0	97.96	2.04
9	A/MAY/4/2003	MAY03-04	636	619	0	97.33	2.67
10	A/LAO/1/2006	LAO06-01	636	618	0	97.17	2.83

Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/TAI/2/97 (EF208778)	TAI97-02	636	585	0	91.98	8.02
2	A/TAI/118/87* (EF208777)	TAI87-AD	636	566	0	88.99	11.01
3	A/IND/7/82 (1980)	IND82-07	636	539	0	84.75	15.25
4	A/SAU/23/86	SAU86-23	636	525	0	82.55	17.45
5	A/SAU/41/91	SAU91-41	633	518	0	81.83	18.17
6	A/IRN/87	IRN87--M	634	517	2	81.55	18.45
7	A/IRN/1/96 (EF208771)	IRN96-01	635	517	1	81.42	18.58
8	A22/IRQ/24/64 (AJ251474)	IRQ64-24	636	516	0	81.13	18.87
9	A/IRN/22/99 (EF208772)	IRN99-22	633	505	0	79.78	20.22
10	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	636	500	0	78.62	21.38

nt, nucleotides

*, not a WRLFMD reference number

Serotype: A Report date: 13/06/2007
WRL Ref No: TAI/10/2006
Sender Ref: 85/06
Date collected: 20/11/2006
Date received by WRLFMD: 27/05/2007 Topotype: ASIA
Date received for sequencing: 04/06/2007 Genotype/strain: none designated
Species: Cattle Sequence filename: TAI06-10.SEQ
Material used: LK1 BHK3 BTy1 Date sequence last updated: 11/06/2007
Region sequenced: VP1 Total no. of comparisons: 868
RT-PCR primers: A-1C562F/EUR-2B52R; Min. no. of nt for comparison: 300
A-1C612F/EUR-2B52R Total turn-around time: 17 days
No. of Nt determined: 636 Sequencing time: 9 days
No. of ambiguities: 0
Gene length: 636

Comments:

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/TAI/4/2006	TAI06-04	636	630	0	99.06	0.94
2	A/TAI/3/2006	TAI06-03	636	629	0	98.9	1.1
3	A/TAI/6/2006	TAI06-06	636	627	0	98.58	1.42
4	A/TAI/7/2006	TAI06-07	636	627	0	98.58	1.42
5	A/TAI/9/2006	TAI06-09	636	627	0	98.58	1.42
6	A/TAI/2/2006	TAI06-02	636	626	0	98.43	1.57
7	A/TAI/11/2006	TAI06-11	636	623	0	97.96	2.04
8	A/MAY/4/2003	MAY03-04	636	618	0	97.17	2.83
9	A/TAI/8/2006	TAI06-08	636	618	0	97.17	2.83
10	A/LAO/1/2006	LAO06-01	636	617	0	97.01	2.99

Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/TAI/2/97 (EF208778)	TAI97-02	636	583	0	91.67	8.33
2	A/TAI/118/87* (EF208777)	TAI87-AD	636	564	0	88.68	11.32
3	A/IND/7/82 (1980)	IND82-07	636	538	0	84.59	15.41
4	A/SAU/41/91	SAU91-41	633	519	0	81.99	18.01
5	A/SAU/23/86	SAU86-23	636	520	0	81.76	18.24
6	A/IRN/87	IRN87--M	634	516	2	81.39	18.61
7	A/IRN/1/96 (EF208771)	IRN96-01	635	514	1	80.94	19.06
8	A22/IRQ/24/64 (AJ251474)	IRQ64-24	636	514	0	80.82	19.18
9	A/IRN/22/99 (EF208772)	IRN99-22	633	507	0	80.09	19.91
10	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	636	501	0	78.77	21.23

nt, nucleotides

*, not a WRLFMD reference number

Serotype: A Report date: 13/06/2007
WRL Ref No: TAI/11/2006
Sender Ref: 87/06
Date collected: 29/12/2006
Date received by WRLFMD: 27/05/2007 Topotype: ASIA
Date received for sequencing: 04/06/2007 Genotype/strain: none designated
Species: Cattle Sequence filename: TAI06-11.SEQ
Material used: LK2 BHK1 BTy1 Date sequence last updated: 11/06/2007
Region sequenced: VP1 Total no. of comparisons: 868
RT-PCR primers: A-1C562F/EUR-2B52R; Min. no. of nt for comparison: 300
A-1C612F/EUR-2B52R Total turn-around time: 17 days
No. of Nt determined: 636 Sequencing time: 9 days
No. of ambiguities: 0
Gene length: 636

Comments:

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/TAI/2/2006	TAI06-02	636	629	0	98.9	1.1
2	A/TAI/4/2006	TAI06-04	636	629	0	98.9	1.1
3	A/TAI/3/2006	TAI06-03	636	628	0	98.74	1.26
4	A/TAI/6/2006	TAI06-06	636	626	0	98.43	1.57
5	A/TAI/7/2006	TAI06-07	636	626	0	98.43	1.57
6	A/TAI/9/2006	TAI06-09	636	626	0	98.43	1.57
7	A/TAI/8/2006	TAI06-08	636	625	0	98.27	1.73
8	A/TAI/10/2006	TAI06-10	636	623	0	97.96	2.04
9	A/MAY/4/2003	MAY03-04	636	621	0	97.64	2.36
10	A/LAO/1/2006	LAO06-01	636	620	0	97.48	2.52

Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/TAI/2/97 (EF208778)	TAI97-02	636	589	0	92.61	7.39
2	A/TAI/118/87* (EF208777)	TAI87-AD	636	572	0	89.94	10.06
3	A/IND/7/82 (1980)	IND82-07	636	542	0	85.22	14.78
4	A/SAU/41/91	SAU91-41	633	523	0	82.62	17.38
5	A/SAU/23/86	SAU86-23	636	525	0	82.55	17.45
6	A/IRN/87	IRN87--M	634	522	2	82.33	17.67
7	A22/IRQ/24/64 (AJ251474)	IRQ64-24	636	519	0	81.6	18.4
8	A/IRN/1/96 (EF208771)	IRN96-01	635	518	1	81.57	18.43
9	A/IRN/22/99 (EF208772)	IRN99-22	633	510	0	80.57	19.43
10	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	636	504	0	79.25	20.75

nt, nucleotides

*, not a WRLFMD reference number

Report on FMDV A from Thailand in 2006

Software: MEGA 3.1
 No. of Taxa : 118
 Data File : n:\evd\meg\db\fmdv\A\TAI2006a.meg
 Data Title : Thailand/Cambodia/Laos 2006
 Data Type : Nucleotide (Coding)
 Analysis : Phylogeny reconstruction
 Tree Inference : =====
 Method : Neighbor-Joining
 Phylogeny Test and options : Bootstrap (1000 replicates; seed=64843)
 Include Sites : =====
 Gaps/Missing Data : Pairwise Deletion
 Codon Positions : 1st+2nd+3rd+Noncoding
 Substitution Model : =====
 Model : Nucleotide: Kimura 2-parameter
 Substitutions to Include : d: Transitions + Transversions
 Pattern among Lineages : Same (Homogeneous)
 Rates among sites : Uniform rates
 No. of Sites : 642
 No Of Bootstrap Reps = 1000
 Only bootstrap values of 70% and above are shown

N.J. Knowles & J. Wadsworth, 13 June 2007

