

Serotype: A	Report date: 14/05/2006						
WRL Ref No: VIT/6/2004							
Sender Ref: 777-04							
Date collected: 22/09/2004							
Date received by WRLFMD: 05/04/2006	Topotype: Asia						
Date received for sequencing: 13/04/2006	Genotype/strain: none designated						
Species: Cattle	Sequence filename: VIT04-06.SEQ						
Material used: BHK4 BTy1	Date sequence last updated: 11/05/2006						
Region sequenced: VP1	Total no. of comparisons: 877						
RT-PCR primers: A-1C612F/EUR-2B52R; A-1C612F/NK61	Min. no. of nt for comparison: 300						
No. of Nt determined: 636	Total turn-around time: 39 days						
No. of ambiguities: 0	Sequencing time: 31 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/VIT/10/2004	VIT04-10	636	633	0	99.53	0.47
2	A/MAY/4/2003	MAY03-04	636	627	0	98.58	1.42
3	A/TAI/2/04R2* [TRRL]	TAI04-AA	636	627	0	98.58	1.42
4	A/TAI/5/2003	TAI03-05	624	615	0	98.56	1.44
5	A/TAI/7/2003	TAI03-07	636	626	0	98.43	1.57
6	A/LAO/36/2003	LAO03-36	636	626	0	98.43	1.57
7	A/TAI/10/2003	TAI03-10	636	625	0	98.27	1.73
8	A/TAI/8/2003	TAI03-08	631	620	5	98.26	1.74
9	A/TAI/9/2003	TAI03-09	617	606	1	98.22	1.78
10	A/MAY/3/2003	MAY03-03	636	624	0	98.11	1.89
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	TAI97-02	636	594	0	93.4	6.6
2	A/TAI/118/87* (D)	TAI87-AD	636	571	0	89.78	10.22
3	A/IND/7/82 (1980)	IND82-07	636	538	0	84.59	15.41
4	A/SAU/41/91	SAU91-41	633	523	0	82.62	17.38
5	A/IRN/87	IRN87--M	634	521	2	82.18	17.82
6	A/SAU/23/86	SAU86-23	636	522	0	82.08	17.92
7	A/IRN/1/96	IRN96-01	635	521	1	82.05	17.95
8	A22/IRQ/24/64 (AJ251474)	IRQ64-24	636	520	0	81.76	18.24
9	A/IRN/22/99	IRN99-22	633	513	0	81.04	18.96
10	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	636	507	0	79.72	20.28
nt, nucleotides							
*, not a WRLFMD reference number							

Serotype: A
WRL Ref No: VIT/9/2004
Sender Ref: 871-04
Date collected: 29/10/2004
Date received by WRLFMD: 05/04/2006
Date received for sequencing: 13/04/2006
Species: Cattle
Material used: BTy1
Region sequenced: VP1
RT-PCR primers: A-1C612F/EUR-2B52R;
A-1C612F/NK61
No. of Nt determined: 636
No. of ambiguities: 0
Gene length: 636

Report date: 14/05/2006
Topotype: Asia
Genotype/strain: none designated
Sequence filename: VIT04-09.SEQ
Date sequence last updated: 11/05/2006
Total no. of comparisons: 877
Min. no. of nt for comparison: 300
Total turn-around time: 39 days
Sequencing time: 31 days

Comments:

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/VIT/5/2004	VIT04-05	636	633	0	99.53	0.47
2	A/VIT/11/2004	VIT04-11	636	631	0	99.21	0.79
3	A/TAI/8/2003	TAI03-08	631	622	5	98.57	1.43
4	A/TAI/5/2003	TAI03-05	624	614	0	98.4	1.6
5	A/TAI/9/2003	TAI03-09	617	607	1	98.38	1.62
6	A/TAI/7/2003	TAI03-07	636	625	0	98.27	1.73
7	A/TAI/10/2003	TAI03-10	636	624	0	98.11	1.89
8	A/TAI/2/04R2* [TRRL]	TAI04-AA	636	624	0	98.11	1.89
9	A/MAY/4/2003	MAY03-04	636	624	0	98.11	1.89
10	A/LAO/36/2003	LAO03-36	636	623	0	97.96	2.04

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	TAI97-02	636	596	0	93.71	6.29
2	A/TAI/118/87* (D)	TAI87-AD	636	572	0	89.94	10.06
3	A/IND/7/82 (1980)	IND82-07	636	541	0	85.06	14.94
4	A/IRN/87	IRN87--M	634	528	2	83.28	16.72
5	A/SAU/41/91	SAU91-41	633	525	0	82.94	17.06
6	A/SAU/23/86	SAU86-23	636	526	0	82.7	17.3
7	A/IRN/1/96	IRN96-01	635	523	1	82.36	17.64
8	A22/IRQ/24/64 (AJ251474)	IRQ64-24	636	522	0	82.08	17.92
9	A/IRN/22/99	IRN99-22	633	513	0	81.04	18.96
10	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	636	510	0	80.19	19.81

nt, nucleotides
*, not a WRLFMD reference number

Serotype: A Report date: 14/05/2006
WRL Ref No: VIT/10/2004
Sender Ref: 872-04
Date collected: 01/11/2004
Date received by WRLFMD: 05/04/2006 Topotype: Asia
Date received for sequencing: 13/04/2006 Genotype/strain: none designated
Species: Cattle Sequence filename: VIT04-10.SEQ
Material used: BHK2 BTy1 Date sequence last updated: 11/05/2006
Region sequenced: VP1 Total no. of comparisons: 877
RT-PCR primers: A-1C612F/EUR-2B52R; Min. no. of nt for comparison: 300
A-1C612F/NK61 Total turn-around time: 39 days
No. of Nt determined: 636 Sequencing time: 31 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/VIT/6/2004	VIT04-06	636	633	0	99.53	0.47
2	A/MAY/4/2003	MAY03-04	636	626	0	98.43	1.57
3	A/TAI/2/04R2* [TRRL]	TAI04-AA	636	626	0	98.43	1.57
4	A/TAI/5/2003	TAI03-05	624	614	0	98.4	1.6
5	A/LAO/36/2003	LAO03-36	636	625	0	98.27	1.73
6	A/TAI/7/2003	TAI03-07	636	625	0	98.27	1.73
7	A/TAI/10/2003	TAI03-10	636	624	0	98.11	1.89
8	A/TAI/8/2003	TAI03-08	631	619	5	98.1	1.9
9	A/TAI/9/2003	TAI03-09	617	605	1	98.06	1.94
10	A/MAY/3/2003	MAY03-03	636	623	0	97.96	2.04

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	TAI97-02	636	593	0	93.24	6.76
2	A/TAI/118/87* (D)	TAI87-AD	636	570	0	89.62	10.38
3	A/IND/7/82 (1980)	IND82-07	636	537	0	84.43	15.57
4	A/SAU/41/91	SAU91-41	633	521	0	82.31	17.69
5	A/SAU/23/86	SAU86-23	636	521	0	81.92	18.08
6	A/IRN/87	IRN87--M	634	519	2	81.86	18.14
7	A/IRN/1/96	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	IRN99-22	633	513	0	81.04	18.96
10	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	636	505	0	79.4	20.6

nt, nucleotides

*, not a WRLFMD reference number

Serotype: A
WRL Ref No: VIT/11/2004
Sender Ref: 875-04
Date collected: 02/11/2004
Date received by WRLFMD: 05/04/2006
Date received for sequencing: 13/04/2006
Species: Cattle
Material used: BTy1
Region sequenced: VP1
RT-PCR primers: A-1C612F/EUR-2B52R;
A-1C612F/NK61
No. of Nt determined: 636
No. of ambiguities: 0
Gene length: 636

Report date: 14/05/2006
Topotype: Asia
Genotype/strain: none designated
Sequence filename: VIT04-11.SEQ
Date sequence last updated: 11/05/2006
Total no. of comparisons: 877
Min. no. of nt for comparison: 300
Total turn-around time: 39 days
Sequencing time: 31 days

Comments:

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/VIT/5/2004	VIT04-05	636	634	0	99.69	0.31
2	A/VIT/9/2004	VIT04-09	636	631	0	99.21	0.79
3	A/TAI/8/2003	TAI03-08	631	624	5	98.89	1.11
4	A/TAI/5/2003	TAI03-05	624	617	0	98.88	1.12
5	A/TAI/9/2003	TAI03-09	617	610	1	98.87	1.13
6	A/TAI/7/2003	TAI03-07	636	628	0	98.74	1.26
7	A/TAI/2/04R2* [TRRL]	TAI04-AA	636	627	0	98.58	1.42
8	A/TAI/10/2003	TAI03-10	636	627	0	98.58	1.42
9	A/MAY/4/2003	MAY03-04	636	627	0	98.58	1.42
10	A/LAO/36/2003	LAO03-36	636	626	0	98.43	1.57

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	TAI97-02	636	597	0	93.87	6.13
2	A/TAI/118/87* (D)	TAI87-AD	636	575	0	90.41	9.59
3	A/IND/7/82 (1980)	IND82-07	636	541	0	85.06	14.94
4	A/IRN/87	IRN87--M	634	530	2	83.6	16.4
5	A/SAU/23/86	SAU86-23	636	529	0	83.18	16.82
6	A/SAU/41/91	SAU91-41	633	526	0	83.1	16.9
7	A22/IRQ/24/64 (AJ251474)	IRQ64-24	636	524	0	82.39	17.61
8	A/IRN/1/96	IRN96-01	635	522	1	82.2	17.8
9	A/IRN/22/99	IRN99-22	633	516	0	81.52	18.48
10	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	636	511	0	80.35	19.65

nt, nucleotides
*, not a WRLFMD reference number

Serotype: A
WRL Ref No: VIT/12/2004
Sender Ref: 946-04
Date collected: 24/12/2004
Date received by WRLFMD: 05/04/2006
Date received for sequencing: 13/04/2006
Species: Cattle
Material used: BTy1
Region sequenced: VP1
RT-PCR primers: A-1C612F/EUR-2B52R;
A-1C612F/NK61
No. of Nt determined: 636
No. of ambiguities: 0
Gene length: 636

Report date: 14/05/2006
Topotype: Asia
Genotype/strain: none designated
Sequence filename: VIT04-12.SEQ
Date sequence last updated: 11/05/2006
Total no. of comparisons: 877
Min. no. of nt for comparison: 300
Total turn-around time: 39 days
Sequencing time: 31 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/11/2003	TAI03-11	634	625	2	98.58	1.42
2	A/TAI/12/2003	TAI03-12	636	626	0	98.43	1.57
3	A/MAY/4/2003	MAY03-04	636	626	0	98.43	1.57
4	A/TAI/8/2003	TAI03-08	631	621	5	98.42	1.58
5	A/TAI/5/2003	TAI03-05	624	614	0	98.4	1.6
6	A/TAI/9/2003	TAI03-09	617	607	1	98.38	1.62
7	A/LAO/36/2003	LAO03-36	636	625	0	98.27	1.73
8	A/TAI/7/2003	TAI03-07	636	625	0	98.27	1.73
9	A/TAI/2/04R2* [TRRL]	TAI04-AA	636	624	0	98.11	1.89
10	A/TAI/10/2003	TAI03-10	636	624	0	98.11	1.89

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	TAI97-02	636	591	0	92.92	7.08
2	A/TAI/118/87* (D)	TAI87-AD	636	568	0	89.31	10.69
3	A/IND/7/82 (1980)	IND82-07	636	536	0	84.28	15.72
4	A/SAU/41/91	SAU91-41	633	520	0	82.15	17.85
5	A/IRN/87	IRN87--M	634	520	2	82.02	17.98
6	A/SAU/23/86	SAU86-23	636	519	0	81.6	18.4
7	A/IRN/1/96	IRN96-01	635	518	1	81.57	18.43
8	A22/IRQ/24/64 (AJ251474)	IRQ64-24	636	518	0	81.45	18.55
9	A/IRN/22/99	IRN99-22	633	510	0	80.57	19.43
10	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	636	508	0	79.87	20.13

nt, nucleotides

*, not a WRLFMD reference number

Serotype: A Report date: 14/05/2006
WRL Ref No: VIT/8/2005
Sender Ref: 366-05
Date collected: 07/05/2005
Date received by WRLFMD: 05/04/2006 Topotype: Asia
Date received for sequencing: 13/04/2006 Genotype/strain: none designated
Species: Cattle Sequence filename: VIT05-08.SEQ
Material used: BHK2 BTy1 Date sequence last updated: 05/05/2006
Region sequenced: VP1 Total no. of comparisons: 877
RT-PCR primers: A-1C612F/NK61; Min. no. of nt for comparison: 300
A-1C612F/EUR-2B52R Total turn-around time: 39 days
No. of Nt determined: 636 Sequencing time: 31 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/VIT/10/2005	VIT05-10	636	635	0	99.84	0.16
2	A/TAI/1/05R2B2* [TRRL]	TAI05-AA	636	629	0	98.9	1.1
3	A/TAI/3-3/05* [TRRL]	TAI05-AB	636	628	0	98.74	1.26
4	A/VIT/13/2005	VIT05-13	636	628	0	98.74	1.26
5	A/TAI/4/05R1* [TRRL]	TAI05-AC	636	628	0	98.74	1.26
6	A/TAI/45/04* [TRRL]	TAI04-AH	636	628	0	98.74	1.26
7	A/TAI/6/05* [TRRL]	TAI05-AD	636	625	0	98.27	1.73
8	A/TAI/48-2/04R2* [TRRL]	TAI04-AI	636	624	0	98.11	1.89
9	A/MAY/4/2003	MAY03-04	636	624	0	98.11	1.89
10	A/LAO/36/2003	LAO03-36	636	623	0	97.96	2.04

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	TAI97-02	636	594	0	93.4	6.6
2	A/TAI/118/87* (D)	TAI87-AD	636	570	0	89.62	10.38
3	A/IND/7/82 (1980)	IND82-07	636	532	0	83.65	16.35
4	A/IRN/87	IRN87--M	634	519	2	81.86	18.14
5	A/SAU/41/91	SAU91-41	633	517	0	81.67	18.33
6	A/SAU/23/86	SAU86-23	636	519	0	81.6	18.4
7	A/IRN/1/96	IRN96-01	635	515	1	81.1	18.9
8	A22/IRQ/24/64 (AJ251474)	IRQ64-24	636	515	0	80.97	19.03
9	A/IRN/22/99	IRN99-22	633	510	0	80.57	19.43
10	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	636	505	0	79.4	20.6

nt, nucleotides
*, not a WRLFMD reference number

Serotype: A
WRL Ref No: VIT/10/2005
Sender Ref: 404-05
Date collected: 01/06/2005
Date received by WRLFMD: 05/04/2006
Date received for sequencing: 13/04/2006
Species: Cattle
Material used: BHK2 BTy1
Region sequenced: VP1
RT-PCR primers: A-1C612F/NK61;
A-1C612F/EUR-2B52R
No. of Nt determined: 636
No. of ambiguities: 0
Gene length: 636

Report date: 14/05/2006
Topotype: Asia
Genotype/strain: none designated
Sequence filename: VIT05-10.SEQ
Date sequence last updated: 03/05/2006
Total no. of comparisons: 877
Min. no. of nt for comparison: 300
Total turn-around time: 39 days
Sequencing time: 31 days

Comments:

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/VIT/8/2005	VIT05-08	636	635	0	99.84	0.16
2	A/TAI/1/05R2B2* [TRRL]	TAI05-AA	636	630	0	99.06	0.94
3	A/TAI/3-3/05* [TRRL]	TAI05-AB	636	629	0	98.9	1.1
4	A/VIT/13/2005	VIT05-13	636	629	0	98.9	1.1
5	A/TAI/4/05R1* [TRRL]	TAI05-AC	636	629	0	98.9	1.1
6	A/TAI/45/04* [TRRL]	TAI04-AH	636	629	0	98.9	1.1
7	A/TAI/6/05* [TRRL]	TAI05-AD	636	626	0	98.43	1.57
8	A/TAI/48-2/04R2* [TRRL]	TAI04-AI	636	625	0	98.27	1.73
9	A/MAY/4/2003	MAY03-04	636	625	0	98.27	1.73
10	A/LAO/36/2003	LAO03-36	636	624	0	98.11	1.89

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	TAI97-02	636	594	0	93.4	6.6
2	A/TAI/118/87* (D)	TAI87-AD	636	570	0	89.62	10.38
3	A/IND/7/82 (1980)	IND82-07	636	532	0	83.65	16.35
4	A/IRN/87	IRN87--M	634	519	2	81.86	18.14
5	A/SAU/41/91	SAU91-41	633	517	0	81.67	18.33
6	A/SAU/23/86	SAU86-23	636	518	0	81.45	18.55
7	A/IRN/1/96	IRN96-01	635	515	1	81.1	18.9
8	A22/IRQ/24/64 (AJ251474)	IRQ64-24	636	515	0	80.97	19.03
9	A/IRN/22/99	IRN99-22	633	509	0	80.41	19.59
10	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	636	505	0	79.4	20.6

nt, nucleotides
*, not a WRLFMD reference number

Serotype: A
WRL Ref No: VIT/13/2005
Sender Ref: 458-05
Date collected: 31/07/2005
Date received by WRLFMD: 05/04/2006
Date received for sequencing: 13/04/2006
Species: Cattle
Material used: BHK2 BTy1
Region sequenced: VP1
RT-PCR primers: A-1C612F/NK61;
A-1C612F/EUR-2B52R
No. of Nt determined: 636
No. of ambiguities: 0
Gene length: 636

Report date: 14/05/2006
Topotype: Asia
Genotype/strain: none designated
Sequence filename: VIT05-13.SEQ
Date sequence last updated: 05/05/2006
Total no. of comparisons: 877
Min. no. of nt for comparison: 300
Total turn-around time: 39 days
Sequencing time: 31 days

Comments:

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/VIT/10/2005	VIT05-10	636	629	0	98.9	1.1
2	A/VIT/8/2005	VIT05-08	636	628	0	98.74	1.26
3	A/TAI/1/05R2B2* [TRRL]	TAI05-AA	636	627	0	98.58	1.42
4	A/TAI/3-3/05* [TRRL]	TAI05-AB	636	626	0	98.43	1.57
5	A/TAI/4/05R1* [TRRL]	TAI05-AC	636	626	0	98.43	1.57
6	A/TAI/45/04* [TRRL]	TAI04-AH	636	626	0	98.43	1.57
7	A/TAI/6/05* [TRRL]	TAI05-AD	636	623	0	97.96	2.04
8	A/TAI/48-2/04R2* [TRRL]	TAI04-AI	636	622	0	97.8	2.2
9	A/MAY/4/2003	MAY03-04	636	622	0	97.8	2.2
10	A/LAO/36/2003	LAO03-36	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	TAI97-02	636	589	0	92.61	7.39
2	A/TAI/118/87* (D)	TAI87-AD	636	565	0	88.84	11.16
3	A/IND/7/82 (1980)	IND82-07	636	530	0	83.33	16.67
4	A/IRN/87	IRN87--M	634	516	2	81.39	18.61
5	A/SAU/41/91	SAU91-41	633	515	0	81.36	18.64
6	A/IRN/1/96	IRN96-01	635	514	1	80.94	19.06
7	A22/IRQ/24/64 (AJ251474)	IRQ64-24	636	514	0	80.82	19.18
8	A/SAU/23/86	SAU86-23	636	514	0	80.82	19.18
9	A/IRN/22/99	IRN99-22	633	509	0	80.41	19.59
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: 14/05/2006
WRL Ref No: VIT/14/2005
Sender Ref: 484-05
Date collected: 13/08/2005
Date received by WRLFMD: 05/04/2006 Topotype: Asia
Date received for sequencing: 13/04/2006 Genotype/strain: none designated
Species: Cattle Sequence filename: VIT05-14.SEQ
Material used: BHK2 BTy1 Date sequence last updated: 05/05/2006
Region sequenced: VP1 Total no. of comparisons: 877
RT-PCR primers: A-1C612F/NK61; Min. no. of nt for comparison: 300
A-1C612F/EUR-2B52R Total turn-around time: 39 days
No. of Nt determined: 636 Sequencing time: 31 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/VIT/18/2005	VIT05-18	636	631	0	99.21	0.79
2	A/MAY/4/2003	MAY03-04	636	620	0	97.48	2.52
3	A/TAI/8/2003	TAI03-08	631	615	5	97.46	2.54
4	A/LAO/36/2003	LAO03-36	636	619	0	97.33	2.67
5	A/TAI/2/04R2* [TRRL]	TAI04-AA	636	618	0	97.17	2.83
6	A/TAI/5/2003	TAI03-05	624	606	0	97.12	2.88
7	A/TAI/9/2003	TAI03-09	617	599	1	97.08	2.92
8	A/TAI/7/2003	TAI03-07	636	617	0	97.01	2.99
9	A/TAI/11/2003	TAI03-11	634	615	2	97	3
10	A/VIT/5/2004	VIT04-05	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	TAI97-02	636	592	0	93.08	6.92
2	A/TAI/118/87* (D)	TAI87-AD	636	572	0	89.94	10.06
3	A/IND/7/82 (1980)	IND82-07	636	538	0	84.59	15.41
4	A/SAU/41/91	SAU91-41	633	526	0	83.1	16.9
5	A/IRN/87	IRN87--M	634	526	2	82.97	17.03
6	A/SAU/23/86	SAU86-23	636	525	0	82.55	17.45
7	A/IRN/1/96	IRN96-01	635	523	1	82.36	17.64
8	A22/IRQ/24/64 (AJ251474)	IRQ64-24	636	522	0	82.08	17.92
9	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	636	514	0	80.82	19.18
10	A/IRN/22/99	IRN99-22	633	511	0	80.73	19.27

nt, nucleotides

*, not a WRLFMD reference number

Serotype: A	Report date: 14/05/2006
WRL Ref No: VIT/18/2005	
Sender Ref: 666-05	
Date collected: 07/12/2005	Topotype: Asia
Date received by WRLFMD: 05/04/2006	Genotype/strain: none designated
Date received for sequencing: 13/04/2006	Sequence filename: VIT05-18.SEQ
Species: Cattle	Date sequence last updated: 05/05/2006
Material used: BHK2 BTy1	Total no. of comparisons: 877
Region sequenced: VP1	Min. no. of nt for comparison: 300
RT-PCR primers: A-1C612F/NK61; A-1C612F/EUR-2B52R	Total turn-around time: 39 days
No. of Nt determined: 636	Sequencing time: 31 days
No. of ambiguities: 0	
Gene length: 636	

Comments:

Ten Most Closely Related Viruses

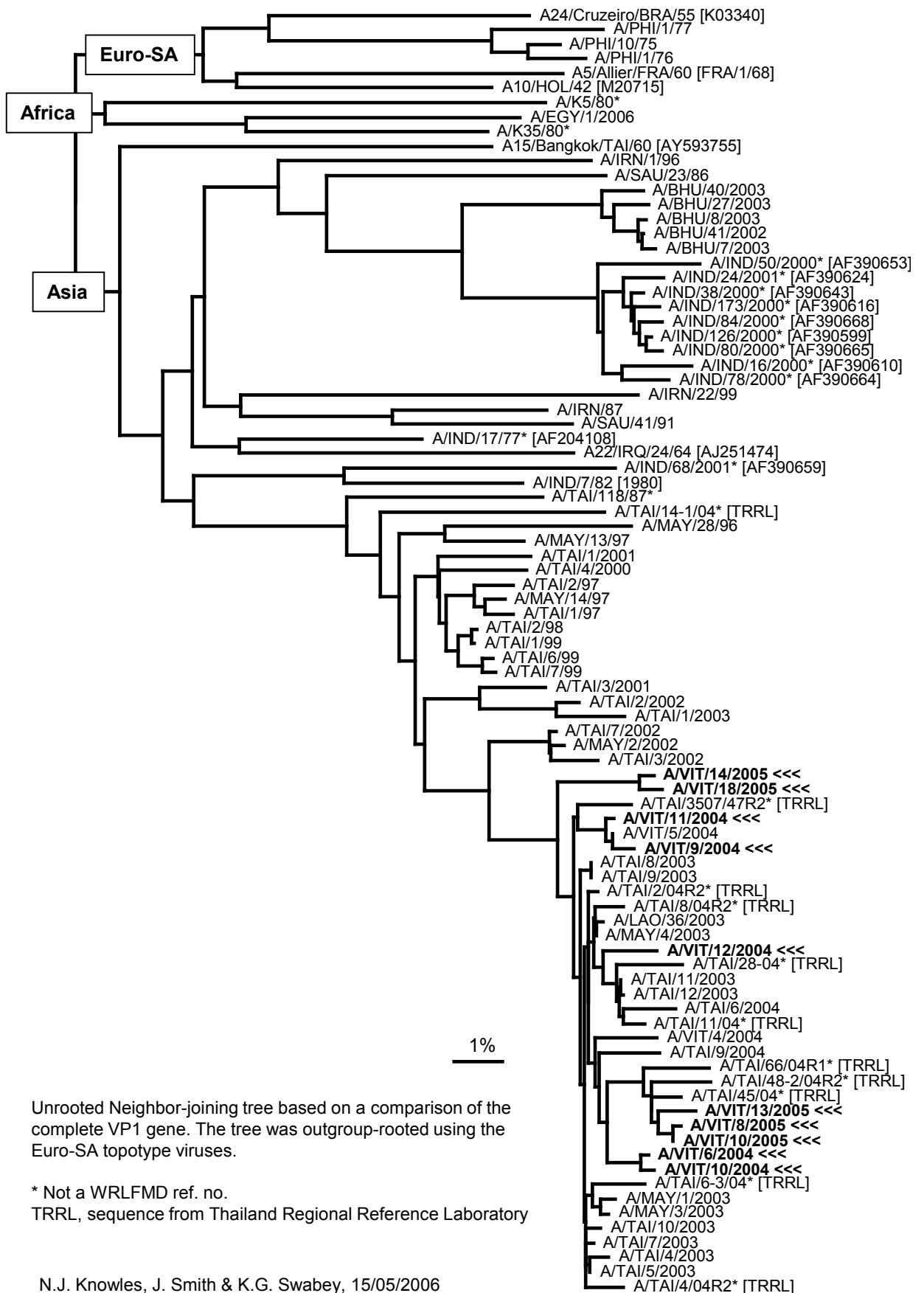
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/VIT/14/2005	VIT05-14	636	631	0	99.21	0.79
2	A/MAY/4/2003	MAY03-04	636	619	0	97.33	2.67
3	A/LAO/36/2003	LAO03-36	636	618	0	97.17	2.83
4	A/TAI/2/04R2* [TRRL]	TAI04-AA	636	617	0	97.01	2.99
5	A/TAI/8/2003	TAI03-08	631	612	5	96.99	3.01
6	A/TAI/5/2003	TAI03-05	624	605	0	96.96	3.04
7	A/TAI/9/2003	TAI03-09	617	598	1	96.92	3.08
8	A/TAI/7/2003	TAI03-07	636	616	0	96.86	3.14
9	A/TAI/11/2003	TAI03-11	634	614	2	96.85	3.15
10	A/VIT/5/2004	VIT04-05	636	615	0	96.7	3.3

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	TAI97-02	636	590	0	92.77	7.23
2	A/TAI/118/87* (D)	TAI87-AD	636	570	0	89.62	10.38
3	A/IND/7/82 (1980)	IND82-07	636	536	0	84.28	15.72
4	A/SAU/23/86	SAU86-23	636	527	0	82.86	17.14
5	A/IRN/87	IRN87--M	634	525	2	82.81	17.19
6	A/SAU/41/91	SAU91-41	633	524	0	82.78	17.22
7	A/IRN/1/96	IRN96-01	635	524	1	82.52	17.48
8	A22/IRQ/24/64 (AJ251474)	IRQ64-24	636	524	0	82.39	17.61
9	A/IRN/22/99	IRN99-22	633	511	0	80.73	19.27
10	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	636	513	0	80.66	19.34

nt, nucleotides
*, not a WRLFMD reference number

Report on FMDV A isolates from samples collected in Vietnam in 2004/5



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

* Not a WRLFMD ref. no.
TRRL, sequence from Thailand Regional Reference Laboratory