

Serotype: O Report date: 19/09/2006
WRL Ref No: TAI/1/2005
Sender Ref: 21/05 B6
Date collected: 23/08/2005
Date received by WRLFMD: 23/07/2006 Topotype: SEA
Date received for sequencing: 28/07/2006 Genotype/strain: Mya98
Species: Cattle Sequence filename: TAI05-01.SEQ
Material used: BHK6 BTy1 Date sequence last updated: 04/09/2006
Region sequenced: VP1 Total no. of comparisons: 1974
RT-PCR primers: O-1C244F/EUR-2B52R; Min. no. of nt for comparison: 300
O-1C272F/EUR-2B52R Total turn-around time: 58 days
No. of Nt determined: 639 Sequencing time: 53 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	O/TAI/8/2005	TAI05-08	639	637	0	99.69	0.31
2	O/TAI/21/05* (TRRL)	TAI05-AC	639	626	0	97.97	2.03
3	O/MYA/7/2002	MYA02-07	639	622	0	97.34	2.66
4	O/MYA/4/2004	MYA04-04	639	621	0	97.18	2.82
5	O/MYA/5/04* [TRRL]	MYA04-AE	639	621	0	97.18	2.82
6	O/LAO/7/2003	LAO03-07	598	573	4	95.82	4.18
7	O/LAO/4/2001	LAO01-04	639	611	0	95.62	4.38
8	O/MAY/6/2001	MAY01-06	639	609	0	95.31	4.69
9	O/MAY/5/2001	MAY01-05	639	609	0	95.31	4.69
10	O/LAO/2/2001	LAO01-02	630	599	9	95.08	4.92

Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/TAI/189/87* [TRRL]	TAI87-AC	639	572	0	89.51	10.49
2	O/IND/R2/75* [AF204276]	IND75--A	639	545	0	85.29	14.71
3	O/TAW/2/99	TAW99-02	639	544	0	85.13	14.87
4	O/IND/53/79 [AF292107]	IND79A53	639	541	0	84.66	15.34
5	O1/Manisa/TUR/69	TUR69--E	639	538	0	84.19	15.81
6	O/ISR/2/88	ISR88-02	639	530	0	82.94	17.06
7	O/MOR/1/91	MOR91-01	639	527	0	82.47	17.53
8	O1/BFS 1860/UK/67	UKG67--A	639	504	0	78.87	21.13
9	O/PHI/5/95	PHI95-05	639	501	0	78.4	21.6
10	O/HKN/6/83	HKN83-06	637	498	2	78.18	21.82

nt, nucleotides

*, not a WRLFMD reference number

Serotype: O
WRL Ref No: TAI/5/2005
Sender Ref: 54-1/05 B3
Date collected: 26/11/2005
Date received by WRLFMD: 23/07/2006
Date received for sequencing: 28/07/2006
Species: Pig
Material used: BHK3 RS1
Region sequenced: VP1
RT-PCR primers: O-1C244F/EUR-2B52R;
O-1C272F/EUR-2B52R
No. of Nt determined: 639
No. of ambiguities: 0
Gene length: 639

Report date: 19/09/2006
Topotype: Cathay
Genotype/strain: none
Sequence filename: TAI05-05.SEQ
Date sequence last updated: 04/09/2006
Total no. of comparisons: 1974
Min. no. of nt for comparison: 300
Total turn-around time: 58 days
Sequencing time: 53 days

Comments:

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/TAI/54-1/05B1* (TRRL)	TAI05-AF	639	636	0	99.53	0.47
2	O/TAI/35/05B2* (TRRL)	TAI05-AD	639	635	0	99.37	0.63
3	O/TAI/6/2005	TAI05-06	639	634	0	99.22	0.78
4	O/TAI/64-2/05* (TRRL)	TAI05-AI	639	633	0	99.06	0.94
5	O/TAI/54-2/05B1* (TRRL)	TAI05-AG	639	630	0	98.59	1.41
6	O/TAI/64-1/05* (TRRL)	TAI05-AH	639	627	0	98.12	1.88
7	O/TAI/53-2/05* (TRRL)	TAI05-AE	639	621	0	97.18	2.82
8	O/VIT/2/2004	VIT04-02	639	617	0	96.56	3.44
9	O/VIT/3/2004	VIT04-03	639	610	0	95.46	4.54
10	O/VIT/12/2005	VIT05-12	550	516	89	93.82	6.18

Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/PHI/5/95	PHI95-05	639	570	0	89.2	10.8
2	O/HKN/6/83	HKN83-06	637	539	2	84.62	15.38
3	O/IND/53/79 [AF292107]	IND79A53	639	520	0	81.38	18.62
4	O/TAW/2/99	TAW99-02	639	514	0	80.44	19.56
5	O/ISR/2/88	ISR88-02	639	513	0	80.28	19.72
6	O/MOR/1/91	MOR91-01	639	509	0	79.66	20.34
7	O/TAI/189/87* [TRRL]	TAI87-AC	639	508	0	79.5	20.5
8	O/IND/R2/75* [AF204276]	IND75--A	639	508	0	79.5	20.5
9	O1/Manisa/TUR/69	TUR69--E	639	505	0	79.03	20.97
10	O1/BFS 1860/UK/67	UKG67--A	639	480	0	75.12	24.88

nt, nucleotides
*, not a WRLFMD reference number

Serotype: O
WRL Ref No: TAI/6/2005
Sender Ref: 64-1/05 B3
Date collected: 27/11/2005
Date received by WRLFMD: 23/07/2006
Date received for sequencing: 28/07/2006
Species: Pig
Material used: BHK3 RS1
Region sequenced: VP1
RT-PCR primers: O-1C244F/EUR-2B52R;
O-1C272F/EUR-2B52R
No. of Nt determined: 639
No. of ambiguities: 0
Gene length: 639

Report date: 19/09/2006
Topotype: Cathay
Genotype/strain: none
Sequence filename: TAI05-06.SEQ
Date sequence last updated: 04/09/2006
Total no. of comparisons: 1974
Min. no. of nt for comparison: 300
Total turn-around time: 58 days
Sequencing time: 53 days

Comments:

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/TAI/64-2/05* (TRRL)	TAI05-AI	639	636	0	99.53	0.47
2	O/TAI/35/05B2* (TRRL)	TAI05-AD	639	634	0	99.22	0.78
3	O/TAI/5/2005	TAI05-05	639	634	0	99.22	0.78
4	O/TAI/54-1/05B1* (TRRL)	TAI05-AF	639	633	0	99.06	0.94
5	O/TAI/64-1/05* (TRRL)	TAI05-AH	639	628	0	98.28	1.72
6	O/TAI/54-2/05B1* (TRRL)	TAI05-AG	639	627	0	98.12	1.88
7	O/VIT/2/2004	VIT04-02	639	620	0	97.03	2.97
8	O/TAI/53-2/05* (TRRL)	TAI05-AE	639	618	0	96.71	3.29
9	O/VIT/3/2004	VIT04-03	639	611	0	95.62	4.38
10	O/VIT/12/2005	VIT05-12	550	517	89	94	6

Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/PHI/5/95	PHI95-05	639	572	0	89.51	10.49
2	O/HKN/6/83	HKN83-06	637	541	2	84.93	15.07
3	O/IND/53/79 [AF292107]	IND79A53	639	519	0	81.22	18.78
4	O/TAW/2/99	TAW99-02	639	513	0	80.28	19.72
5	O/ISR/2/88	ISR88-02	639	510	0	79.81	20.19
6	O/MOR/1/91	MOR91-01	639	507	0	79.34	20.66
7	O/TAI/189/87* [TRRL]	TAI87-AC	639	507	0	79.34	20.66
8	O/IND/R2/75* [AF204276]	IND75--A	639	507	0	79.34	20.66
9	O1/Manisa/TUR/69	TUR69--E	639	504	0	78.87	21.13
10	O1/BFS 1860/UK/67	UKG67--A	639	481	0	75.27	24.73

nt, nucleotides

*, not a WRLFMD reference number

Serotype: O
WRL Ref No: TAI/8/2005
Sender Ref: 62-1/05 R2 B2
Date collected: 05/12/2005
Date received by WRLFMD: 23/07/2006
Date received for sequencing: 28/07/2006
Species: Cattle
Material used: LK1 BHK2 BTy1
Region sequenced: VP1
RT-PCR primers: O-1C244F/EUR-2B52R;
O-1C272F/EUR-2B52R
No. of Nt determined: 639
No. of ambiguities: 0
Gene length: 639

Report date: 19/09/2006
Topotype: SEA
Genotype/strain: Mya98
Sequence filename: TAI05-08.SEQ
Date sequence last updated: 04/09/2006
Total no. of comparisons: 1974
Min. no. of nt for comparison: 300
Total turn-around time: 58 days
Sequencing time: 53 days

Comments:

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/TAI/1/2005	TAI05-01	639	637	0	99.69	0.31
2	O/TAI/21/05* (TRRL)	TAI05-AC	639	626	0	97.97	2.03
3	O/MYA/7/2002	MYA02-07	639	622	0	97.34	2.66
4	O/MYA/4/2004	MYA04-04	639	621	0	97.18	2.82
5	O/MYA/5/04* [TRRL]	MYA04-AE	639	621	0	97.18	2.82
6	O/LAO/7/2003	LAO03-07	598	574	4	95.99	4.01
7	O/LAO/4/2001	LAO01-04	639	611	0	95.62	4.38
8	O/MAY/5/2001	MAY01-05	639	609	0	95.31	4.69
9	O/MAY/6/2001	MAY01-06	639	609	0	95.31	4.69
10	O/LAO/2/2001	LAO01-02	630	600	9	95.24	4.76

Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/TAI/189/87* [TRRL]	TAI87-AC	639	574	0	89.83	10.17
2	O/IND/R2/75* [AF204276]	IND75--A	639	547	0	85.6	14.4
3	O/TAW/2/99	TAW99-02	639	546	0	85.45	14.55
4	O/IND/53/79 [AF292107]	IND79A53	639	543	0	84.98	15.02
5	O1/Manisa/TUR/69	TUR69--E	639	540	0	84.51	15.49
6	O/ISR/2/88	ISR88-02	639	530	0	82.94	17.06
7	O/MOR/1/91	MOR91-01	639	527	0	82.47	17.53
8	O1/BFS 1860/UK/67	UKG67--A	639	505	0	79.03	20.97
9	O/PHI/5/95	PHI95-05	639	502	0	78.56	21.44
10	O/HKN/6/83	HKN83-06	637	499	2	78.34	21.66

nt, nucleotides

*, not a WRLFMD reference number

Serotype: O Report date: 19/09/2006
WRL Ref No: TAI/9/2005
Sender Ref: 74/05 R1 B2
Date collected: 05/12/2005
Date received by WRLFMD: 23/07/2006 Topotype: SEA
Date received for sequencing: 28/07/2006 Genotype/strain: Mya98
Species: Cattle Sequence filename: TAI05-09.SEQ
Material used: LK1 BHK2 BTy1 Date sequence last updated: 04/09/2006
Region sequenced: VP1 Total no. of comparisons: 1974
RT-PCR primers: O-1C244F/EUR-2B52R; Min. no. of nt for comparison: 300
O-1C272F/EUR-2B52R Total turn-around time: 58 days
No. of Nt determined: 639 Sequencing time: 53 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	O/TAI/10/2005	TAI05-10	639	639	0	100	0
2	O/MYA/4/98	MYA98-04	351	339	8	96.58	3.42
3	O/MYA/1/98	MYA98-01	630	603	9	95.71	4.29
4	O/MYA/3/98	MYA98-03	323	309	15	95.67	4.33
5	O/MYA/4/04* [TRRL]	MYA04-AD	639	611	0	95.62	4.38
6	O/MYA/3/04* [TRRL]	MYA04-AC	639	611	0	95.62	4.38
7	O/MYA/7/98	MYA98-07	639	609	0	95.31	4.69
8	O/MAY/8/99	MAY99-08	403	382	5	94.79	5.21
9	O/MAY/4/99	MAY99-04	400	378	3	94.5	5.5
10	O/TAI/4/99	TAI99-04	638	602	1	94.36	5.64

Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/TAI/189/87* [TRRL]	TAI87-AC	639	574	0	89.83	10.17
2	O/TAW/2/99	TAW99-02	639	549	0	85.92	14.08
3	O/IND/R2/75* [AF204276]	IND75--A	639	547	0	85.6	14.4
4	O/IND/53/79 [AF292107]	IND79A53	639	545	0	85.29	14.71
5	O1/Manisa/TUR/69	TUR69--E	639	541	0	84.66	15.34
6	O/MOR/1/91	MOR91-01	639	534	0	83.57	16.43
7	O/ISR/2/88	ISR88-02	639	533	0	83.41	16.59
8	O1/BFS 1860/UK/67	UKG67--A	639	508	0	79.5	20.5
9	O/PHI/5/95	PHI95-05	639	503	0	78.72	21.28
10	O/HKN/6/83	HKN83-06	637	499	2	78.34	21.66

nt, nucleotides

*, not a WRLFMD reference number

Serotype: O
WRL Ref No: TAI/10/2005
Sender Ref: 80/05 R2 B2
Date collected: 31/12/2005
Date received by WRLFMD: 23/07/2006
Date received for sequencing: 28/07/2006
Species: Cattle
Material used: LK2 BHK2 BTy1
Region sequenced: VP1
RT-PCR primers: O-1C244F/EUR-2B52R;
O-1C272F/EUR-2B52R
No. of Nt determined: 639
No. of ambiguities: 0
Gene length: 639

Report date: 19/09/2006
Topotype: SEA
Genotype/strain: Mya98
Sequence filename: TAI05-10.SEQ
Date sequence last updated: 04/09/2006
Total no. of comparisons: 1974
Min. no. of nt for comparison: 300
Total turn-around time: 58 days
Sequencing time: 53 days

Comments:

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/TAI/9/2005	TAI05-09	639	639	0	100	0
2	O/MYA/4/98	MYA98-04	351	339	8	96.58	3.42
3	O/MYA/1/98	MYA98-01	630	603	9	95.71	4.29
4	O/MYA/3/98	MYA98-03	323	309	15	95.67	4.33
5	O/MYA/4/04* [TRRL]	MYA04-AD	639	611	0	95.62	4.38
6	O/MYA/3/04* [TRRL]	MYA04-AC	639	611	0	95.62	4.38
7	O/MYA/7/98	MYA98-07	639	609	0	95.31	4.69
8	O/MAY/8/99	MAY99-08	403	382	5	94.79	5.21
9	O/MAY/4/99	MAY99-04	400	378	3	94.5	5.5
10	O/TAI/4/99	TAI99-04	638	602	1	94.36	5.64

Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/TAI/189/87* [TRRL]	TAI87-AC	639	574	0	89.83	10.17
2	O/TAW/2/99	TAW99-02	639	549	0	85.92	14.08
3	O/IND/R2/75* [AF204276]	IND75--A	639	547	0	85.6	14.4
4	O/IND/53/79 [AF292107]	IND79A53	639	545	0	85.29	14.71
5	O1/Manisa/TUR/69	TUR69--E	639	541	0	84.66	15.34
6	O/MOR/1/91	MOR91-01	639	534	0	83.57	16.43
7	O/ISR/2/88	ISR88-02	639	533	0	83.41	16.59
8	O1/BFS 1860/UK/67	UKG67--A	639	508	0	79.5	20.5
9	O/PHI/5/95	PHI95-05	639	503	0	78.72	21.28
10	O/HKN/6/83	HKN83-06	637	499	2	78.34	21.66

nt, nucleotides

*, not a WRLFMD reference number

Report on FMDV-O Thailand 2005

