

Serotype: O	Report date: 05/02/2007						
WRL Ref No: IRN/11/2006							
Sender Ref: IR 25							
Date collected: 12/09/2006							
Date received by WRLFMD: 20/11/2006	Topotype: ME-SA						
Date received for sequencing: 23/11/2006	Genotype/strain: PanAsia						
Species: Cattle	Sequence filename: IRN06-11.SEQ						
Material used: BTy1	Date sequence last updated: 07/12/2006						
Region sequenced: VP1	Total no. of comparisons: 1475						
RT-PCR primers: O-1C244F/EUR-2B52R; O-1C272F/EUR-2B52R	Min. no. of nt for comparison: 300						
No. of Nt determined: 639	Total turn-around time: 77 days						
No. of ambiguities: 0	Sequencing time: 74 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	O/IRN/12/2006	IRN06-12	639	636	0	99.53	0.47
2	O/PAK/10/2006	PAK06-10	639	636	0	99.53	0.47
3	O/PAK/16/2006	PAK06-16	639	636	0	99.53	0.47
4	O/PAK/4/2006	PAK06-04	639	636	0	99.53	0.47
5	O/PAK/6/2006	PAK06-06	639	636	0	99.53	0.47
6	O/PAK/8/2006	PAK06-08	639	636	0	99.53	0.47
7	O/PAK/9/2006	PAK06-09	639	636	0	99.53	0.47
8	O/IRN/10/2006	IRN06-10	639	635	0	99.37	0.63
9	O/IRN/17/2006	IRN06-17	639	635	0	99.37	0.63
10	O/IRN/19/2006	IRN06-19	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	O/TAW/2/99	TAW99-02	639	604	0	94.52	5.48
2	O/IND/53/79 [AF292107]	IND79A53	639	573	0	89.67	10.33
3	O/IND/R2/75* [AF204276]	IND75--A	639	569	0	89.05	10.95
4	O1/Manisa/TUR/69 (AJ251477)	TUR69--E	639	563	0	88.11	11.89
5	O/ISR/2/88 (DQ164899)	ISR88-02	639	556	0	87.01	12.99
6	O/TAI/189/87* [TRRL]	TAI87-AC	639	555	0	86.85	13.15
7	O/MOR/1/91	MOR91-01	639	552	0	86.38	13.62
8	O/PHI/5/95 (DQ164946)	PHI95-05	639	521	0	81.53	18.47
9	O/HKN/6/83	HKN83-06	637	513	2	80.53	19.47
10	O1/BFS 1860/UK/67	UKG67--A	639	514	0	80.44	19.56
nt, nucleotides							
*, not a WRLFMD reference number							

Serotype: O
WRL Ref No: IRN/12/2006
Sender Ref: IR 20
Date collected: 27/09/2006
Date received by WRLFMD: 20/11/2006
Date received for sequencing: 23/11/2006
Species: Cattle
Material used: BTy1
Region sequenced: VP1
RT-PCR primers: O-1C244F/EUR-2B52R
No. of Nt determined: 639
No. of ambiguities: 0
Gene length: 639

Report date: 05/02/2007
Topotype: ME-SA
Genotype/strain: PanAsia
Sequence filename: IRN06-12.SEQ
Date sequence last updated: 07/12/2006
Total no. of comparisons: 1475
Min. no. of nt for comparison: 300
Total turn-around time: 77 days
Sequencing time: 74 days

Comments:

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/IRN/10/2006	IRN06-10	639	638	0	99.84	0.16
2	O/IRN/17/2006	IRN06-17	639	638	0	99.84	0.16
3	O/IRN/19/2006	IRN06-19	639	638	0	99.84	0.16
4	O/IRN/8/2006	IRN06-08	639	638	0	99.84	0.16
5	O/IRN/9/2006	IRN06-09	639	638	0	99.84	0.16
6	O/IRN/14/2006	IRN06-14	639	637	0	99.69	0.31
7	O/PAK/10/2006	PAK06-10	639	637	0	99.69	0.31
8	O/PAK/16/2006	PAK06-16	639	637	0	99.69	0.31
9	O/PAK/4/2006	PAK06-04	639	637	0	99.69	0.31
10	O/PAK/6/2006	PAK06-06	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	O/TAW/2/99	TAW99-02	639	605	0	94.68	5.32
2	O/IND/53/79 [AF292107]	IND79A53	639	572	0	89.51	10.49
3	O/IND/R2/75* [AF204276]	IND75--A	639	570	0	89.2	10.8
4	O1/Manisa/TUR/69 (AJ251477)	TUR69--E	639	564	0	88.26	11.74
5	O/TAI/189/87* [TRRL]	TAI87-AC	639	556	0	87.01	12.99
6	O/ISR/2/88 (DQ164899)	ISR88-02	639	555	0	86.85	13.15
7	O/MOR/1/91	MOR91-01	639	551	0	86.23	13.77
8	O/PHI/5/95 (DQ164946)	PHI95-05	639	520	0	81.38	18.62
9	O/HKN/6/83	HKN83-06	637	512	2	80.38	19.62
10	O1/BFS 1860/UK/67	UKG67--A	639	511	0	79.97	20.03

nt, nucleotides

*, not a WRLFMD reference number

Serotype: O	Report date: 05/02/2007
WRL Ref No: IRN/13/2006	
Sender Ref: IR 21	
Date collected: 28/09/2006	
Date received by WRLFMD: 20/11/2006	Topotype: ME-SA
Date received for sequencing: 23/11/2006	Genotype/strain: PanAsia
Species: Cattle	Sequence filename: IRN06-13.SEQ
Material used: BTy1	Date sequence last updated: 07/12/2006
Region sequenced: VP1	Total no. of comparisons: 1475
RT-PCR primers: O-1C244F/EUR-2B52R; O-1C272F/EUR-2B52R	Min. no. of nt for comparison: 300
No. of Nt determined: 639	Total turn-around time: 77 days
No. of ambiguities: 0	Sequencing time: 74 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	O/IRN/12/2006	IRN06-12	639	635	0	99.37	0.63
2	O/IRN/10/2006	IRN06-10	639	634	0	99.22	0.78
3	O/IRN/17/2006	IRN06-17	639	634	0	99.22	0.78
4	O/IRN/19/2006	IRN06-19	639	634	0	99.22	0.78
5	O/IRN/8/2006	IRN06-08	639	634	0	99.22	0.78
6	O/IRN/9/2006	IRN06-09	639	634	0	99.22	0.78
7	O/IRN/14/2006	IRN06-14	639	633	0	99.06	0.94
8	O/PAK/10/2006	PAK06-10	639	633	0	99.06	0.94
9	O/PAK/16/2006	PAK06-16	639	633	0	99.06	0.94
10	O/PAK/4/2006	PAK06-04	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	O/TAW/2/99	TAW99-02	639	601	0	94.05	5.95
2	O/IND/53/79 [AF292107]	IND79A53	639	568	0	88.89	11.11
3	O/IND/R2/75* [AF204276]	IND75--A	639	566	0	88.58	11.42
4	O1/Manisa/TUR/69 (AJ251477)	TUR69--E	639	560	0	87.64	12.36
5	O/TAI/189/87* [TRRL]	TAI87-AC	639	554	0	86.7	13.3
6	O/ISR/2/88 (DQ164899)	ISR88-02	639	551	0	86.23	13.77
7	O/MOR/1/91	MOR91-01	639	547	0	85.6	14.4
8	O/PHI/5/95 (DQ164946)	PHI95-05	639	517	0	80.91	19.09
9	O/HKN/6/83	HKN83-06	637	511	2	80.22	19.78
10	O1/BFS 1860/UK/67	UKG67--A	639	509	0	79.66	20.34

nt, nucleotides

*, not a WRLFMD reference number

Serotype: O
WRL Ref No: IRN/14/2006
Sender Ref: IR 24
Date collected: 01/10/2006
Date received by WRLFMD: 20/11/2006
Date received for sequencing: 23/11/2006
Species: Cattle
Material used: 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: 05/02/2007
Topotype: ME-SA
Genotype/strain: PanAsia
Sequence filename: IRN06-14.SEQ
Date sequence last updated: 07/12/2006
Total no. of comparisons: 1475
Min. no. of nt for comparison: 300
Total turn-around time: 77 days
Sequencing time: 74 days

Comments:

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/IRN/12/2006	IRN06-12	639	637	0	99.69	0.31
2	O/IRN/10/2006	IRN06-10	639	636	0	99.53	0.47
3	O/IRN/17/2006	IRN06-17	639	636	0	99.53	0.47
4	O/IRN/19/2006	IRN06-19	639	636	0	99.53	0.47
5	O/IRN/8/2006	IRN06-08	639	636	0	99.53	0.47
6	O/IRN/9/2006	IRN06-09	639	636	0	99.53	0.47
7	O/PAK/10/2006	PAK06-10	639	635	0	99.37	0.63
8	O/PAK/16/2006	PAK06-16	639	635	0	99.37	0.63
9	O/PAK/4/2006	PAK06-04	639	635	0	99.37	0.63
10	O/PAK/6/2006	PAK06-06	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	O/TAW/2/99	TAW99-02	639	603	0	94.37	5.63
2	O/IND/53/79 [AF292107]	IND79A53	639	570	0	89.2	10.8
3	O/IND/R2/75* [AF204276]	IND75--A	639	570	0	89.2	10.8
4	O1/Manisa/TUR/69 (AJ251477)	TUR69--E	639	564	0	88.26	11.74
5	O/TAI/189/87* [TRRL]	TAI87-AC	639	554	0	86.7	13.3
6	O/ISR/2/88 (DQ164899)	ISR88-02	639	553	0	86.54	13.46
7	O/MOR/1/91	MOR91-01	639	549	0	85.92	14.08
8	O/PHI/5/95 (DQ164946)	PHI95-05	639	518	0	81.06	18.94
9	O/HKN/6/83	HKN83-06	637	511	2	80.22	19.78
10	O1/BFS 1860/UK/67	UKG67--A	639	512	0	80.13	19.87

nt, nucleotides

*, not a WRLFMD reference number

Serotype: O	Report date: 05/02/2007
WRL Ref No: IRN/15/2006	
Sender Ref: IR 22	
Date collected: 02/10/2006	
Date received by WRLFMD: 20/11/2006	Topotype: ME-SA
Date received for sequencing: 23/11/2006	Genotype/strain: PanAsia
Species: Cattle	Sequence filename: IRN06-15.SEQ
Material used: BTy1	Date sequence last updated: 07/12/2006
Region sequenced: VP1	Total no. of comparisons: 1475
RT-PCR primers: O-1C244F/EUR-2B52R	Min. no. of nt for comparison: 300
No. of Nt determined: 639	Total turn-around time: 77 days
No. of ambiguities: 0	Sequencing time: 74 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	O/IRN/12/2006	IRN06-12	639	636	0	99.53	0.47
2	O/IRN/10/2006	IRN06-10	639	635	0	99.37	0.63
3	O/IRN/17/2006	IRN06-17	639	635	0	99.37	0.63
4	O/IRN/19/2006	IRN06-19	639	635	0	99.37	0.63
5	O/IRN/8/2006	IRN06-08	639	635	0	99.37	0.63
6	O/IRN/9/2006	IRN06-09	639	635	0	99.37	0.63
7	O/IRN/14/2006	IRN06-14	639	634	0	99.22	0.78
8	O/PAK/10/2006	PAK06-10	639	634	0	99.22	0.78
9	O/PAK/16/2006	PAK06-16	639	634	0	99.22	0.78
10	O/PAK/4/2006	PAK06-04	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	O/TAW/2/99	TAW99-02	639	602	0	94.21	5.79
2	O/IND/53/79 [AF292107]	IND79A53	639	569	0	89.05	10.95
3	O/IND/R2/75* [AF204276]	IND75--A	639	567	0	88.73	11.27
4	O1/Manisa/TUR/69 (AJ251477)	TUR69--E	639	563	0	88.11	11.89
5	O/TAI/189/87* [TRRL]	TAI87-AC	639	555	0	86.85	13.15
6	O/ISR/2/88 (DQ164899)	ISR88-02	639	554	0	86.7	13.3
7	O/MOR/1/91	MOR91-01	639	550	0	86.07	13.93
8	O/PHI/5/95 (DQ164946)	PHI95-05	639	519	0	81.22	18.78
9	O/HKN/6/83	HKN83-06	637	511	2	80.22	19.78
10	O1/BFS 1860/UK/67	UKG67--A	639	509	0	79.66	20.34

nt, nucleotides

*, not a WRLFMD reference number

Serotype: O
WRL Ref No: IRN/16/2006
Sender Ref: IR 12
Date collected: 04/10/2006
Date received by WRLFMD: 20/11/2006
Date received for sequencing: 23/11/2006
Species: Cattle
Material used: 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: 05/02/2007
Topotype: ME-SA
Genotype/strain: PanAsia
Sequence filename: IRN06-16.SEQ
Date sequence last updated: 07/12/2006
Total no. of comparisons: 1475
Min. no. of nt for comparison: 300
Total turn-around time: 77 days
Sequencing time: 74 days

Comments:

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/IRN/12/2006	IRN06-12	639	634	0	99.22	0.78
2	O/IRN/10/2006	IRN06-10	639	633	0	99.06	0.94
3	O/IRN/17/2006	IRN06-17	639	633	0	99.06	0.94
4	O/IRN/19/2006	IRN06-19	639	633	0	99.06	0.94
5	O/IRN/8/2006	IRN06-08	639	633	0	99.06	0.94
6	O/IRN/9/2006	IRN06-09	639	633	0	99.06	0.94
7	O/IRN/14/2006	IRN06-14	639	632	0	98.9	1.1
8	O/PAK/10/2006	PAK06-10	639	632	0	98.9	1.1
9	O/PAK/16/2006	PAK06-16	639	632	0	98.9	1.1
10	O/PAK/4/2006	PAK06-04	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	O/TAW/2/99	TAW99-02	639	600	0	93.9	6.1
2	O/IND/53/79 [AF292107]	IND79A53	639	567	0	88.73	11.27
3	O/IND/R2/75* [AF204276]	IND75--A	639	567	0	88.73	11.27
4	O1/Manisa/TUR/69 (AJ251477)	TUR69--E	639	561	0	87.79	12.21
5	O/TAI/189/87* [TRRL]	TAI87-AC	639	555	0	86.85	13.15
6	O/ISR/2/88 (DQ164899)	ISR88-02	639	552	0	86.38	13.62
7	O/MOR/1/91	MOR91-01	639	548	0	85.76	14.24
8	O/PHI/5/95 (DQ164946)	PHI95-05	639	517	0	80.91	19.09
9	O/HKN/6/83	HKN83-06	637	509	2	79.91	20.09
10	O1/BFS 1860/UK/67	UKG67--A	639	508	0	79.5	20.5

nt, nucleotides

*, not a WRLFMD reference number

Serotype: O		Report date: 05/02/2007					
WRL Ref No: IRN/17/2006							
Sender Ref: IR 23							
Date collected: 04/10/2006		Topotype: ME-SA					
Date received by WRLFMD: 20/11/2006		Genotype/strain: PanAsia					
Date received for sequencing: 27/11/2006		Sequence filename: IRN06-17.SEQ					
Species: Cattle		Date sequence last updated: 16/01/2007					
Material used: BTy1		Total no. of comparisons: 1475					
Region sequenced: VP1		Min. no. of nt for comparison: 300					
RT-PCR primers: O-1C244F/EUR-2B52R; O-1C272F/EUR-2B52R		Total turn-around time: 77 days					
No. of Nt determined: 639		Sequencing time: 70 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/IRN/12/2006	IRN06-12	639	638	0	99.84	0.16
2	O/IRN/10/2006	IRN06-10	639	637	0	99.69	0.31
3	O/IRN/19/2006	IRN06-19	639	637	0	99.69	0.31
4	O/IRN/8/2006	IRN06-08	639	637	0	99.69	0.31
5	O/IRN/9/2006	IRN06-09	639	637	0	99.69	0.31
6	O/IRN/14/2006	IRN06-14	639	636	0	99.53	0.47
7	O/PAK/10/2006	PAK06-10	639	636	0	99.53	0.47
8	O/PAK/16/2006	PAK06-16	639	636	0	99.53	0.47
9	O/PAK/4/2006	PAK06-04	639	636	0	99.53	0.47
10	O/PAK/6/2006	PAK06-06	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	O/TAW/2/99	TAW99-02	639	604	0	94.52	5.48
2	O/IND/53/79 [AF292107]	IND79A53	639	571	0	89.36	10.64
3	O/IND/R2/75* [AF204276]	IND75--A	639	569	0	89.05	10.95
4	O1/Manisa/TUR/69 (AJ251477)	TUR69--E	639	563	0	88.11	11.89
5	O/TAI/189/87* [TRRL]	TAI87-AC	639	555	0	86.85	13.15
6	O/ISR/2/88 (DQ164899)	ISR88-02	639	554	0	86.7	13.3
7	O/MOR/1/91	MOR91-01	639	550	0	86.07	13.93
8	O/PHI/5/95 (DQ164946)	PHI95-05	639	519	0	81.22	18.78
9	O/HKN/6/83	HKN83-06	637	511	2	80.22	19.78
10	O1/BFS 1860/UK/67	UKG67--A	639	510	0	79.81	20.19
nt, nucleotides							
*, not a WRLFMD reference number							

Serotype: O
WRL Ref No: IRN/18/2006
Sender Ref: IR 19
Date collected: 05/10/2006
Date received by WRLFMD: 20/11/2006
Date received for sequencing: 27/11/2006
Species: Cattle
Material used: 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: 05/02/2007
Topotype: ME-SA
Genotype/strain: PanAsia
Sequence filename: IRN06-18.SEQ
Date sequence last updated: 16/01/2007
Total no. of comparisons: 1475
Min. no. of nt for comparison: 300
Total turn-around time: 77 days
Sequencing time: 70 days

Comments:

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/IRN/17/2006	IRN06-17	639	634	0	99.22	0.78
2	O/IRN/12/2006	IRN06-12	639	633	0	99.06	0.94
3	O/PAK/10/2006	PAK06-10	639	633	0	99.06	0.94
4	O/PAK/16/2006	PAK06-16	639	633	0	99.06	0.94
5	O/PAK/4/2006	PAK06-04	639	633	0	99.06	0.94
6	O/PAK/6/2006	PAK06-06	639	633	0	99.06	0.94
7	O/PAK/8/2006	PAK06-08	639	633	0	99.06	0.94
8	O/PAK/9/2006	PAK06-09	639	633	0	99.06	0.94
9	O/IRN/10/2006	IRN06-10	639	632	0	98.9	1.1
10	O/IRN/19/2006	IRN06-19	639	632	0	98.9	1.1

Relationships to Reference Virus Strains

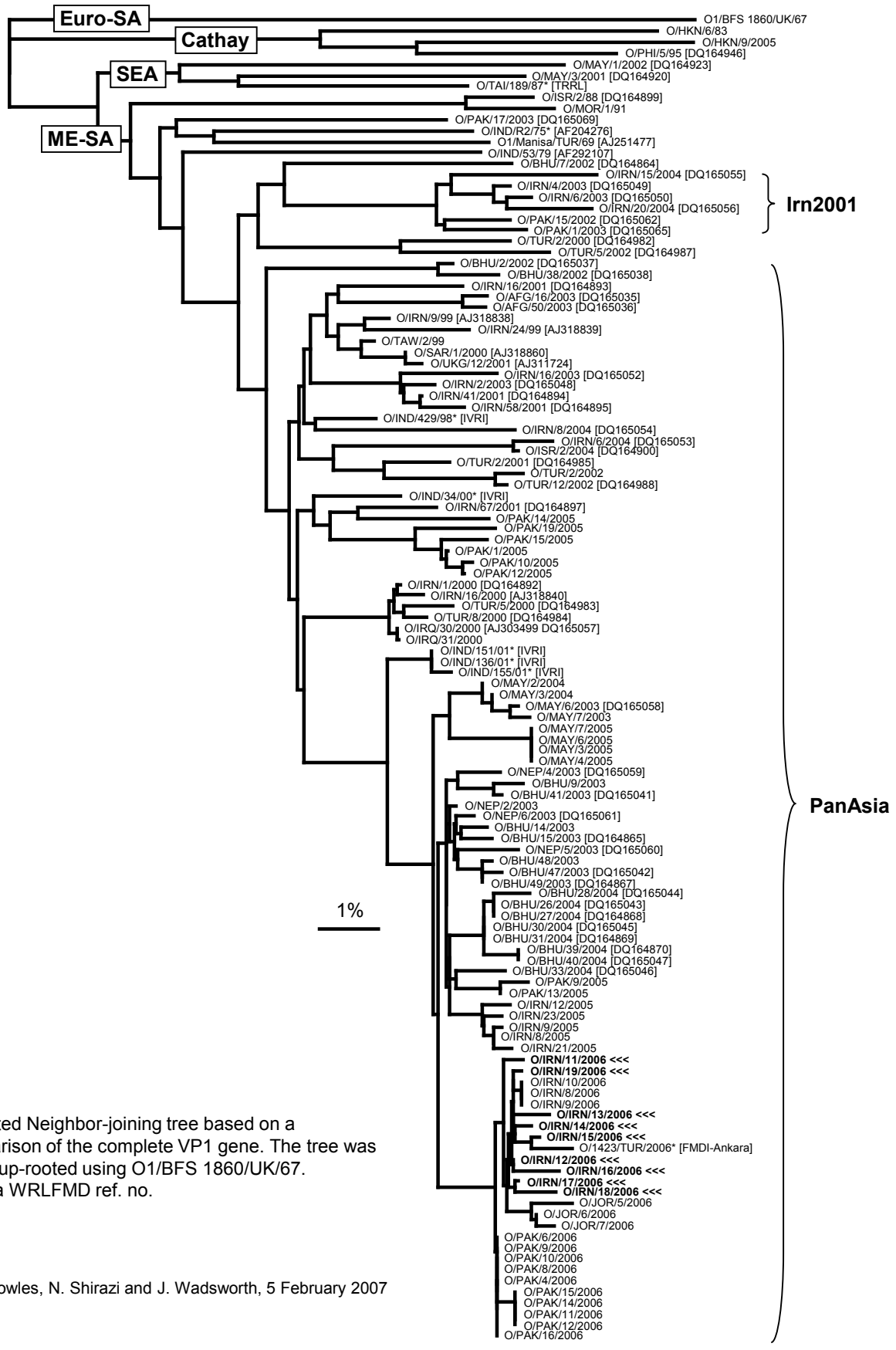
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/TAW/2/99	TAW99-02	639	601	0	94.05	5.95
2	O/IND/53/79 [AF292107]	IND79A53	639	569	0	89.05	10.95
3	O/IND/R2/75* [AF204276]	IND75--A	639	567	0	88.73	11.27
4	O1/Manisa/TUR/69 (AJ251477)	TUR69--E	639	561	0	87.79	12.21
5	O/ISR/2/88 (DQ164899)	ISR88-02	639	554	0	86.7	13.3
6	O/TAI/189/87* [TRRL]	TAI87-AC	639	553	0	86.54	13.46
7	O/MOR/1/91	MOR91-01	639	552	0	86.38	13.62
8	O/PHI/5/95 (DQ164946)	PHI95-05	639	517	0	80.91	19.09
9	O/HKN/6/83	HKN83-06	637	509	2	79.91	20.09
10	O1/BFS 1860/UK/67	UKG67--A	639	508	0	79.5	20.5

nt, nucleotides

*, not a WRLFMD reference number

Serotype: O		Report date: 05/02/2007					
WRL Ref No: IRN/19/2006							
Sender Ref: IR 18							
Date collected: 07/10/2006							
Date received by WRLFMD: 20/11/2006		Topotype: ME-SA					
Date received for sequencing: 28/11/2006		Genotype/strain: PanAsia					
Species: Cattle		Sequence filename: IRN06-19.SEQ					
Material used: BTy1		Date sequence last updated: 09/01/2007					
Region sequenced: VP1		Total no. of comparisons: 1475					
RT-PCR primers: O-1C244F/EUR-2B52R; O-1C272F/EUR-2B52R		Min. no. of nt for comparison: 300					
No. of Nt determined: 639		Total turn-around time: 77 days					
No. of ambiguities: 0		Sequencing time: 69 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	O/IRN/12/2006	IRN06-12	639	638	0	99.84	0.16
2	O/IRN/10/2006	IRN06-10	639	637	0	99.69	0.31
3	O/IRN/17/2006	IRN06-17	639	637	0	99.69	0.31
4	O/IRN/8/2006	IRN06-08	639	637	0	99.69	0.31
5	O/IRN/9/2006	IRN06-09	639	637	0	99.69	0.31
6	O/IRN/14/2006	IRN06-14	639	636	0	99.53	0.47
7	O/PAK/10/2006	PAK06-10	639	636	0	99.53	0.47
8	O/PAK/16/2006	PAK06-16	639	636	0	99.53	0.47
9	O/PAK/4/2006	PAK06-04	639	636	0	99.53	0.47
10	O/PAK/6/2006	PAK06-06	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	O/TAW/2/99	TAW99-02	639	604	0	94.52	5.48
2	O/IND/53/79 [AF292107]	IND79A53	639	571	0	89.36	10.64
3	O/IND/R2/75* [AF204276]	IND75--A	639	569	0	89.05	10.95
4	O1/Manisa/TUR/69 (AJ251477)	TUR69--E	639	563	0	88.11	11.89
5	O/TAI/189/87* [TRRL]	TAI87-AC	639	555	0	86.85	13.15
6	O/ISR/2/88 (DQ164899)	ISR88-02	639	554	0	86.7	13.3
7	O/MOR/1/91	MOR91-01	639	550	0	86.07	13.93
8	O/PHI/5/95 (DQ164946)	PHI95-05	639	519	0	81.22	18.78
9	O/HKN/6/83	HKN83-06	637	511	2	80.22	19.78
10	O1/BFS 1860/UK/67	UKG67--A	639	510	0	79.81	20.19
nt, nucleotides							
*, not a WRLFMD reference number							

Report on O/Iran/11-19/2006



Unrooted Neighbor-joining tree based on a comparison of the complete VP1 gene. The tree was outgroup-rooted using O1/BFS 1860/UK/67. *, not a WRLFMD ref. no.