

Serotype: O	Report date: 08/01/2007						
WRL Ref No: JOR/5/2006							
Sender Ref: 821							
Date collected: 06/12/2006							
Date received by WRLFMD: 19/12/2006	Topotype: ME-SA						
Date received for sequencing: 02/01/2007	Genotype/strain: PanAsia						
Species: Sheep	Sequence filename: JOR06-05.SEQ						
Material used: BTy1	Date sequence last updated: 08/01/2007						
Region sequenced: VP1	Total no. of comparisons: 1458						
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: 20 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	O/JOR/6/2006	JOR06-06	639	634	0	99.22	0.78
2	O/JOR/7/2006	JOR06-07	639	632	0	98.9	1.1
3	O/IRN/12/2006	IRN06-12	639	631	0	98.75	1.25
4	O/PAK/10/2006	PAK06-10	639	631	0	98.75	1.25
5	O/PAK/16/2006	PAK06-16	639	631	0	98.75	1.25
6	O/PAK/4/2006	PAK06-04	639	631	0	98.75	1.25
7	O/PAK/6/2006	PAK06-06	639	631	0	98.75	1.25
8	O/PAK/8/2006	PAK06-08	639	631	0	98.75	1.25
9	O/PAK/9/2006	PAK06-09	639	631	0	98.75	1.25
10	O/IRN/10/2006	IRN06-10	639	630	0	98.59	1.41
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/R2/75* [AF204276]	IND75--A	639	570	0	89.2	10.8
3	O/IND/53/79 [AF292107]	IND79A53	639	568	0	88.89	11.11
4	O1/Manisa/TUR/69	TUR69--E	639	564	0	88.26	11.74
5	O/ISR/2/88 (DQ164899)	ISR88-02	639	555	0	86.85	13.15
6	O/TAI/189/87* [TRRL]	TAI87-AC	639	553	0	86.54	13.46
7	O/MOR/1/91	MOR91-01	639	551	0	86.23	13.77
8	O/PHI/5/95 (DQ164946)	PHI95-05	639	516	0	80.75	19.25
9	O/HKN/6/83	HKN83-06	637	508	2	79.75	20.25
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: 08/01/2007
WRL Ref No: JOR/6/2006
Sender Ref: 825
Date collected: 06/12/2006
Date received by WRLFMD: 19/12/2006 Topotype: ME-SA
Date received for sequencing: 02/01/2007 Genotype/strain: PanAsia
Species: Cattle Sequence filename: JOR06-06.SEQ
Material used: BTy1 Date sequence last updated: 08/01/2007
Region sequenced: VP1 Total no. of comparisons: 1458
RT-PCR primers: O-1C244F/EUR-2B52R; Min. no. of nt for comparison: 300
O-1C272F/EUR-2B52R Total turn-around time: 20 days
No. of Nt determined: 639 Sequencing time: 6 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/JOR/7/2006	JOR06-07	639	637	0	99.69	0.31
2	O/IRN/12/2006	IRN06-12	639	636	0	99.53	0.47
3	O/IRN/10/2006	IRN06-10	639	635	0	99.37	0.63
4	O/IRN/8/2006	IRN06-08	639	635	0	99.37	0.63
5	O/IRN/9/2006	IRN06-09	639	635	0	99.37	0.63
6	O/IRN/14/2006	IRN06-14	639	634	0	99.22	0.78
7	O/JOR/5/2006	JOR06-05	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

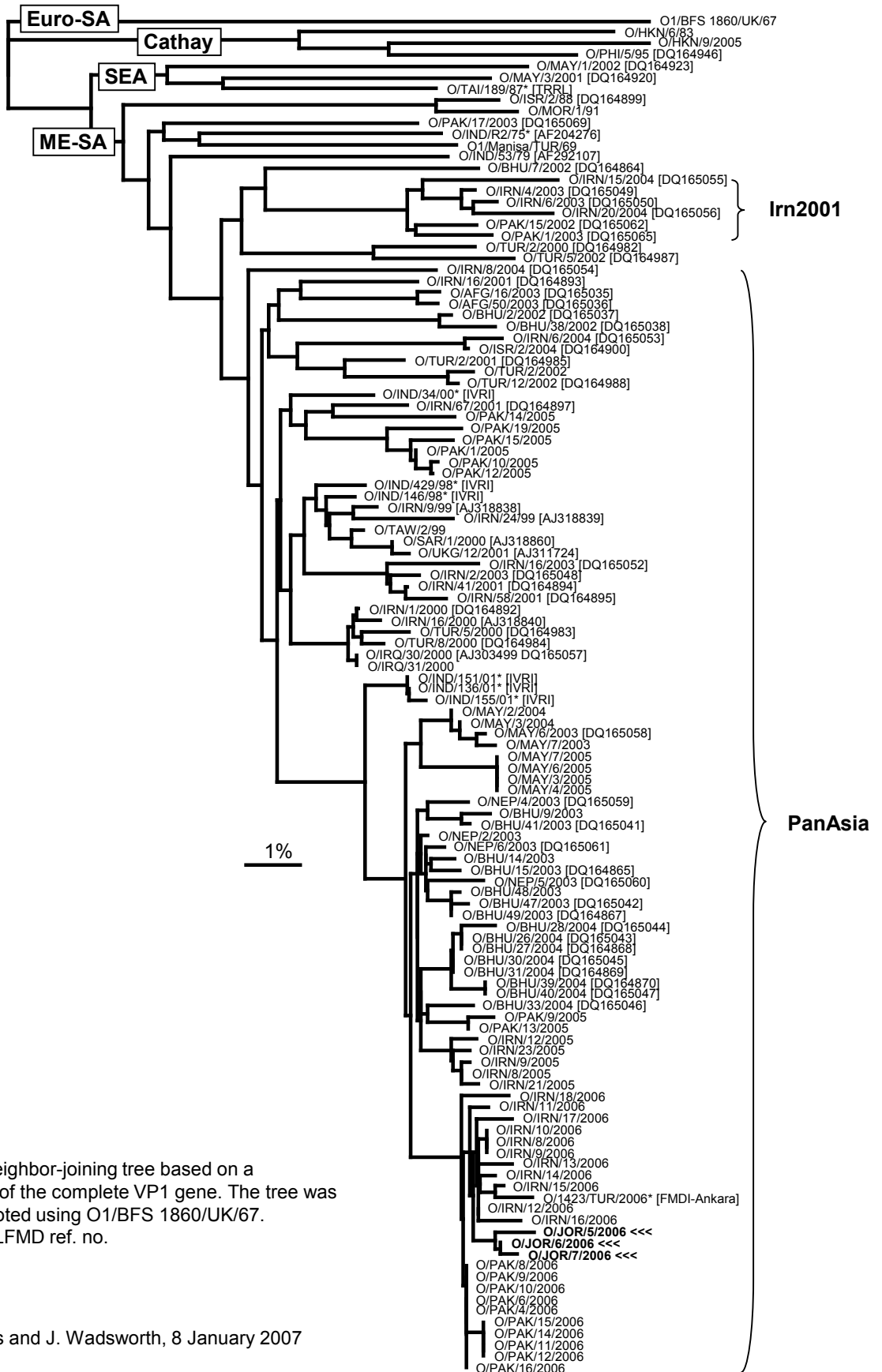
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/TAW/2/99	TAW99-02	639	602	0	94.21	5.79
2	O/IND/53/79 [AF292107]	IND79A53	639	569	0	89.05	10.95
3	O/IND/R2/75* [AF204276]	IND75--A	639	567	0	88.73	11.27
4	O1/Manisa/TUR/69	TUR69--E	639	561	0	87.79	12.21
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: 08/01/2007					
WRL Ref No: JOR/7/2006							
Sender Ref: 843							
Date collected: 06/12/2006							
Date received by WRLFMD: 19/12/2006		Topotype: ME-SA					
Date received for sequencing: 02/01/2007		Genotype/strain: PanAsia					
Species: Sheep		Sequence filename: JOR06-07.SEQ					
Material used: BTy1		Date sequence last updated: 08/01/2007					
Region sequenced: VP1		Total no. of comparisons: 1458					
RT-PCR primers: O-1C244F/EUR-2B52R;		Min. no. of nt for comparison: 300					
O-1C272F/EUR-2B52R		Total turn-around time: 20 days					
No. of Nt determined: 639		Sequencing time: 6 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/JOR/6/2006	JOR06-06	639	637	0	99.69	0.31
2	O/IRN/12/2006	IRN06-12	639	634	0	99.22	0.78
3	O/IRN/10/2006	IRN06-10	639	633	0	99.06	0.94
4	O/IRN/8/2006	IRN06-08	639	633	0	99.06	0.94
5	O/IRN/9/2006	IRN06-09	639	633	0	99.06	0.94
6	O/IRN/14/2006	IRN06-14	639	632	0	98.9	1.1
7	O/JOR/5/2006	JOR06-05	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	565	0	88.42	11.58
4	O1/Manisa/TUR/69	TUR69--E	639	559	0	87.48	12.52
5	O/TAI/189/87* [TRRL]	TAI87-AC	639	553	0	86.54	13.46
6	O/ISR/2/88 (DQ164899)	ISR88-02	639	550	0	86.07	13.93
7	O/MOR/1/91	MOR91-01	639	546	0	85.45	14.55
8	O/PHI/5/95 (DQ164946)	PHI95-05	639	515	0	80.59	19.41
9	O/HKN/6/83	HKN83-06	637	507	2	79.59	20.41
10	O1/BFS 1860/UK/67	UKG67--A	639	508	0	79.5	20.5
nt, nucleotides							
*, not a WRLFMD reference number							

Report on O Jordan 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.

N.J. Knowles and J. Wadsworth, 8 January 2007