

Serotype: O	Report date: 09/10/2005						
WRL Ref No: IRN/8/2005							
Sender Ref: 84-7							
Date collected: 25/05/2005							
Date received by WRLFMD: 07/07/2005	Topotype: ME-SA						
Date received for sequencing: 14/07/2005	Genotype/strain: PanAsia						
Species: Sheep	Sequence filename: IRN05-08.SEQ						
Material used: BTy1	Date sequence last updated: 29/09/2005						
Region sequenced: VP1	Total no. of comparisons: 1733						
RT-PCR primers: O-1C272F/EUR-2B52R	Min. no. of nt for comparison: 300						
No. of Nt determined: 639	Total turn-around time: 94 days						
No. of ambiguities: 0	Sequencing time: 87 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/9/2005	IRN05-09	639	638	0	99.84	0.16
2	O/IRN/12/2005	IRN05-12	639	635	0	99.37	0.63
3	O/NEP/2/2003	NEP03-02	638	632	1	99.06	0.94
4	O/NEP/6/2003	NEP03-06	639	631	0	98.75	1.25
5	O/BHU/31/2004	BHU04-31	639	630	0	98.59	1.41
6	O/BHU/30/2004	BHU04-30	639	630	0	98.59	1.41
7	O/BHU/49/2003	BHU03-49	639	630	0	98.59	1.41
8	O/BHU/14/2003	BHU03-14	623	614	0	98.56	1.44
9	O/BHU/26/2004	BHU04-26	639	629	0	98.44	1.56
10	O/BHU/27/2004	BHU04-27	638	628	1	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	O/TAW/2/99	TAW99-02	639	607	0	94.99	5.01
2	O/IND/53/79 [AF292107]	IND79A53	639	574	0	89.83	10.17
3	O/IND/R2/75* [AF204276]	IND75--A	639	570	0	89.2	10.8
4	O1/Manisa/TUR/69	TUR69--E	639	566	0	88.58	11.42
5	O/TAI/189/87* [TRRL]	TAI87-AC	639	552	0	86.38	13.62
6	O/ISR/2/88	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	PHI95-05	639	520	0	81.38	18.62
9	O/HKN/6/83	HKN83-06	637	514	2	80.69	19.31
10	O1/BFS 1860/UK/67	UKG67--A	639	507	0	79.34	20.66
nt, nucleotides							
*, not a WRLFMD reference number							

Serotype: O
WRL Ref No: IRN/9/2005
Sender Ref: 84-14
Date collected: 27/05/2005
Date received by WRLFMD: 07/07/2005
Date received for sequencing: 14/07/2005
Species: Cattle
Material used: BTy1
Region sequenced: VP1
RT-PCR primers: O-1C272F/EUR-2B52R
No. of Nt determined: 639
No. of ambiguities: 0
Gene length: 639

Report date: 09/10/2005
Topotype: ME-SA
Genotype/strain: PanAsia
Sequence filename: IRN05-09.SEQ
Date sequence last updated: 29/09/2005
Total no. of comparisons: 1733
Min. no. of nt for comparison: 300
Total turn-around time: 94 days
Sequencing time: 87 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/8/2005	IRN05-08	639	638	0	99.84	0.16
2	O/IRN/12/2005	IRN05-12	639	634	0	99.22	0.78
3	O/NEP/2/2003	NEP03-02	638	631	1	98.9	1.1
4	O/NEP/6/2003	NEP03-06	639	630	0	98.59	1.41
5	O/BHU/31/2004	BHU04-31	639	629	0	98.44	1.56
6	O/BHU/30/2004	BHU04-30	639	629	0	98.44	1.56
7	O/BHU/49/2003	BHU03-49	639	629	0	98.44	1.56
8	O/BHU/14/2003	BHU03-14	623	613	0	98.39	1.61
9	O/BHU/26/2004	BHU04-26	639	628	0	98.28	1.72
10	O/BHU/27/2004	BHU04-27	638	627	1	98.28	1.72

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	608	0	95.15	4.85
2	O/IND/53/79 [AF292107]	IND79A53	639	575	0	89.98	10.02
3	O/IND/R2/75* [AF204276]	IND75--A	639	571	0	89.36	10.64
4	O1/Manisa/TUR/69	TUR69--E	639	567	0	88.73	11.27
5	O/TAI/189/87* [TRRL]	TAI87-AC	639	552	0	86.38	13.62
6	O/ISR/2/88	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	PHI95-05	639	519	0	81.22	18.78
9	O/HKN/6/83	HKN83-06	637	513	2	80.53	19.47
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: 09/10/2005
WRL Ref No: IRN/12/2005	
Sender Ref: 84-11	
Date collected: 29/05/2005	
Date received by WRLFMD: 07/07/2005	Topotype: ME-SA
Date received for sequencing: 14/07/2005	Genotype/strain: PanAsia
Species: Sheep	Sequence filename: IRN05-12.SEQ
Material used: BTy1	Date sequence last updated: 30/09/2005
Region sequenced: VP1	Total no. of comparisons: 1733
RT-PCR primers: O-1C272F/EUR-2B52R	Min. no. of nt for comparison: 300
No. of Nt determined: 639	Total turn-around time: 94 days
No. of ambiguities: 0	Sequencing time: 87 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/8/2005	IRN05-08	639	635	0	99.37	0.63
2	O/IRN/9/2005	IRN05-09	639	634	0	99.22	0.78
3	O/NEP/2/2003	NEP03-02	638	630	1	98.75	1.25
4	O/NEP/6/2003	NEP03-06	639	629	0	98.44	1.56
5	O/BHU/31/2004	BHU04-31	639	628	0	98.28	1.72
6	O/BHU/30/2004	BHU04-30	639	628	0	98.28	1.72
7	O/PAK/13/2005	PAK05-13	639	628	0	98.28	1.72
8	O/BHU/49/2003	BHU03-49	639	628	0	98.28	1.72
9	O/BHU/14/2003	BHU03-14	623	612	0	98.23	1.77
10	O/BHU/26/2004	BHU04-26	639	627	0	98.12	1.88

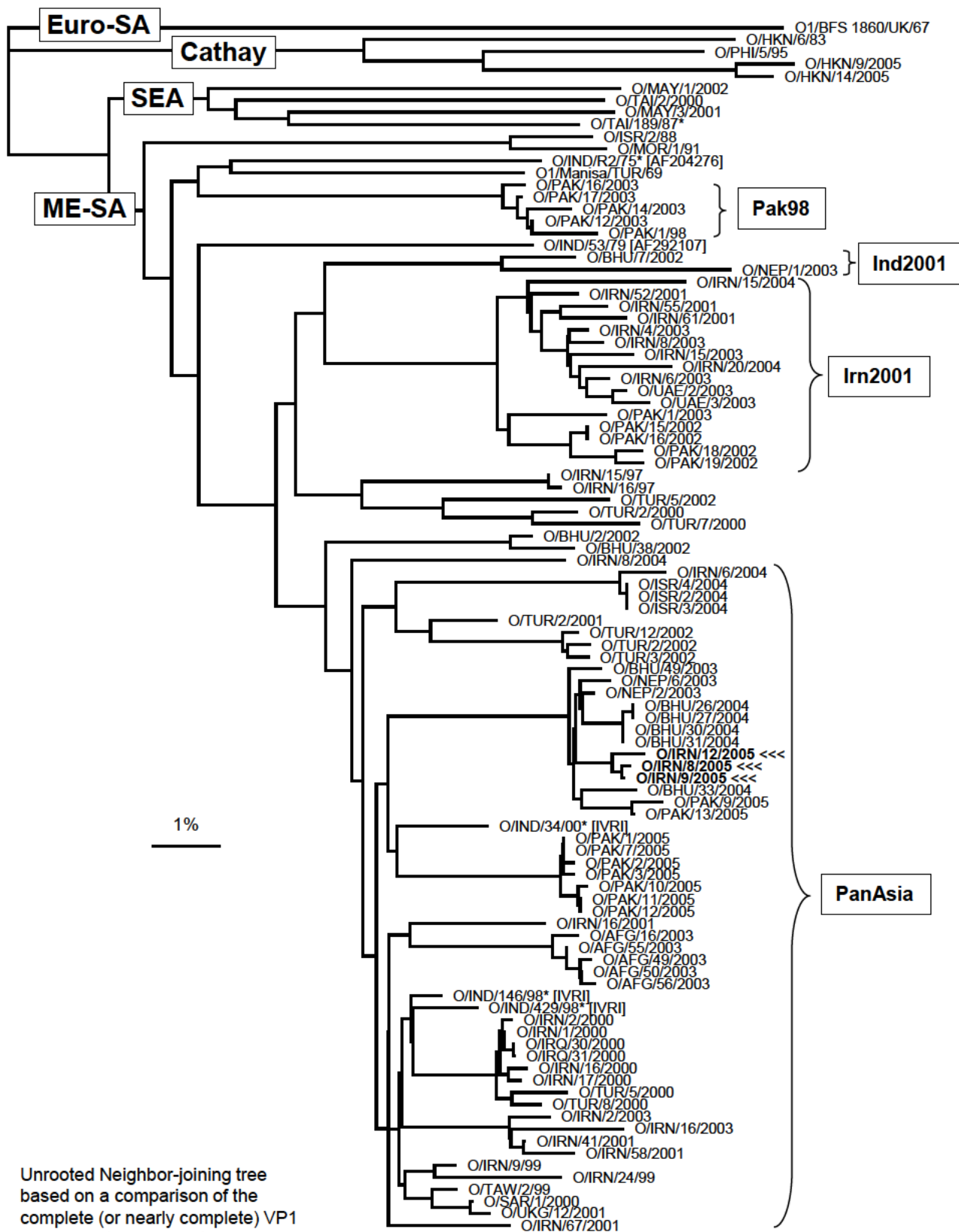
Relationships to Reference Virus Strains

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	O1/Manisa/TUR/69	TUR69--E	639	567	0	88.73	11.27
4	O/IND/R2/75* [AF204276]	IND75--A	639	566	0	88.58	11.42
5	O/ISR/2/88	ISR88-02	639	551	0	86.23	13.77
6	O/TAI/189/87* [TRRL]	TAI87-AC	639	550	0	86.07	13.93
7	O/MOR/1/91	MOR91-01	639	547	0	85.6	14.4
8	O/PHI/5/95	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	505	0	79.03	20.97

nt, nucleotides

*, not a WRLFMD reference number

Report on: O Iran 2005



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