

Serotype: O
WRL Ref No: IRN/6/2004
Date collected: not known
Date received: 14/09/2004
Species: Sheep
Material used: BTy1
Region sequenced: VP1
RT-PCR primers: O-1C272F/NK61
No. of Nt determined: 639
No. of ambiguities: 0
Gene length: 639

Report date: 07/10/2004
Topotype: ME-SA
Genotype/strain: PanAsia
Sequence filename: IRN04-06.SEQ
Date sequence last updated: 07/10/2004
Total no. of comparisons: 1486

Comments:

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/ISR/2/2004	ISR04-02	639	634	0	99.22	0.78
2	O/ISR/3/2004	ISR04-03	639	634	0	99.22	0.78
3	O/ISR/4/2004	ISR04-04	639	634	0	99.22	0.78
4	O/LEB/1/2003	LEB03-01	639	626	0	97.97	2.03
5	O/SAU/1/2004	SAU04-01	142	138	0	97.18	2.82
6	O/LEB/2/2002	LEB02-02	299	290	1	96.99	3.01
7	O/TUR/6/2003	TUR03-06	630	611	3	96.98	3.02
8	O/TUR/7/2003	TUR03-07	639	618	0	96.71	3.29
9	O/IND/281/97*	IND97-AV	165	156	0	94.55	5.45
10	O/Kinmen/TAW/99	TAW99--A	165	156	0	94.55	5.45

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	O1/Manisa/TUR/69	TUR69--E	639	567	0	88.73	11.27
3	O/IND/53/79	IND79A53	639	564	0	88.26	11.74
4	O/IND/R2/75*	IND75--A	639	558	0	87.32	12.68
5	O/TAI/189/87*	TAI87-AC	639	557	0	87.17	12.83
6	O/ISR/2/88	ISR88-02	639	546	0	85.45	14.55
7	O/MOR/1/91	MOR91-01	207	175	3	84.54	15.46
8	O/PHI/5/95	PHI95-05	639	520	0	81.38	18.62
9	O/HKN/6/83	HKN83-06	637	516	2	81	19
10	O1/BFS 1860/UK/67	UKG67--A	639	510	0	79.81	20.19

nt, nucleotides

*, not a WRLFMD reference number

Serotype: O	Report date: 07/10/2004
WRL Ref No: IRN/8/2004	
Date collected: not known	
Date received: 14/09/2004	Topotype: ME-SA
Species: Cattle	Genotype/strain: PanAsia
Material used: BTy1	Sequence filename: IRN04-08.SEQ
Region sequenced: VP1	Date sequence last updated: 07/10/2004
RT-PCR primers: O-1C272F/NK61	Total no. of comparisons: 1486
No. of Nt determined: 639	
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/IND/160/99*	IND99-AF	209	203	1	97.13	2.87
2	O/IND/61/97* (1996)	IND96-AB	165	160	0	96.97	3.03
3	O/IND/81/99* (1998)	IND98-AO	165	160	0	96.97	3.03
4	O/IND/209/99* (1998)	IND98-AU	165	160	0	96.97	3.03
5	O/IND/289/97*	IND97-AW	165	160	0	96.97	3.03
6	O/LEB/A/95	LEB95--A	197	191	1	96.95	3.05
7	O/IND/170/97*	IND97-AR	228	221	0	96.93	3.07
8	O/IND/64/97*	IND97-AI	252	244	0	96.83	3.17
9	O/SAU/76/94	SAU94-76	152	147	1	96.71	3.29
10	O/SAU/73/94	SAU94-73	212	205	1	96.7	3.3

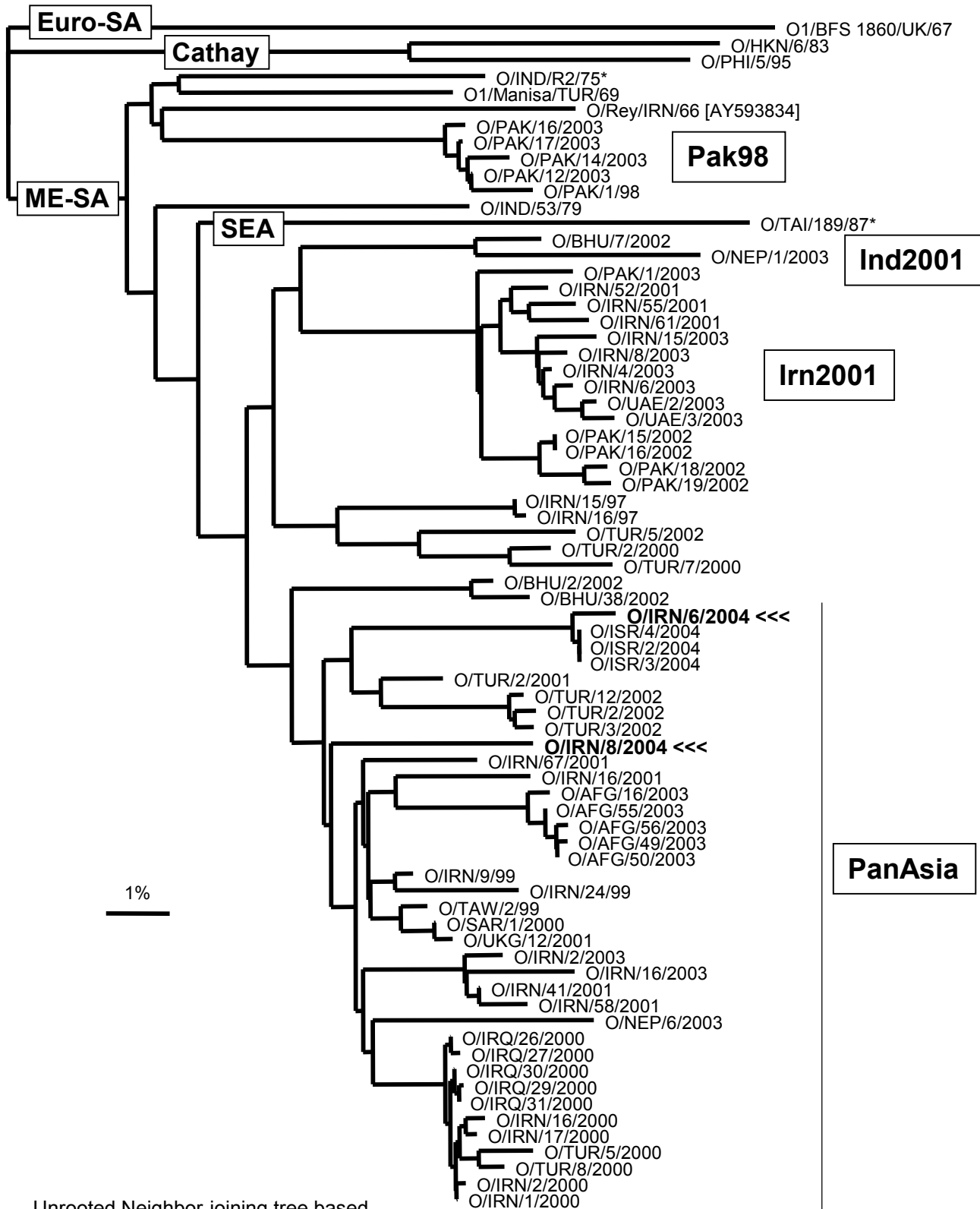
Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/TAW/2/99	TAW99-02	639	606	0	94.84	5.16
2	O1/Manisa/TUR/69	TUR69--E	639	573	0	89.67	10.33
3	O/IND/R2/75*	IND75--A	639	572	0	89.51	10.49
4	O/IND/53/79	IND79A53	639	572	0	89.51	10.49
5	O/ISR/2/88	ISR88-02	639	563	0	88.11	11.89
6	O/TAI/189/87*	TAI87-AC	639	557	0	87.17	12.83
7	O/MOR/1/91	MOR91-01	207	180	3	86.96	13.04
8	O/PHI/5/95	PHI95-05	639	520	0	81.38	18.62
9	O/HKN/6/83	HKN83-06	637	517	2	81.16	18.84
10	O1/BFS 1860/UK/67	UKG67--A	639	516	0	80.75	19.25

nt, nucleotides

*, not a WRLFMD reference number

Report on: O IRAN 2004



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.