

Molecular Epidemiology Report Form

IAH-P-EP-MEG-FOR-005-1

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Serotype: O WRL Ref No: PAK/4/2006 Sender Ref: 3.2 Date collected: 31/01/2006 Date received by WRLFMD: 28/04/2006 Date received for sequencing: 05/05/2006 Species: Cattle Material used: BTy1 Region sequenced: VP1 RT-PCR primers: O-1C272F/EUR-2B52R; O-1C244F/EUR-2B52R No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639	Report date: 05/06/2006 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ME-SA Genotype/strain: PanAsia Sequence filename: PAK06-04.SEQ Date sequence last updated: 01/06/2006 Total no. of comparisons: 1831 Min. no. of nt for comparison: 300 Total turn-around time: 38 days Sequencing time: 31 days																																																																																								
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Serotype: O WRL Ref No: PAK/9/2006 Sender Ref: 5.1 Date collected: 31/01/2006 Date received by WRLFMD: 28/04/2006 Date received for sequencing: 05/05/2006 Species: Buffalo Material used: BTy1 Region sequenced: VP1 RT-PCR primers: O-1C272F/EUR-2B52R; O-1C244F/EUR-2B52R No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639	Report date: 05/06/2006 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ME-SA Genotype/strain: PanAsia Sequence filename: PAK06-09.SEQ Date sequence last updated: 01/06/2006 Total no. of comparisons: 1831 Min. no. of nt for comparison: 300 Total turn-around time: 38 days Sequencing time: 31 days																																																																																								
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Serotype: O WRL Ref No: PAK/11/2006 Sender Ref: 6.1 Date collected: 01/02/2006 Date received by WRLFMD: 28/04/2006 Date received for sequencing: 05/05/2006 Species: Buffalo Material used: BTy1 Region sequenced: VP1 RT-PCR primers: O-1C272F/EUR-2B52R; O-1C244F/EUR-2B52R No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639	Report date: 05/06/2006 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ME-SA Genotype/strain: PanAsia Sequence filename: PAK06-11.SEQ Date sequence last updated: 01/06/2006 Total no. of comparisons: 1831 Min. no. of nt for comparison: 300 Total turn-around time: 38 days Sequencing time: 31 days																																																																																								
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Serotype: O WRL Ref No: PAK/14/2006 Sender Ref: 7.2 Date collected: 01/02/2006 Date received by WRLFMD: 28/04/2006 Date received for sequencing: 05/05/2006 Species: Cattle Material used: BTy1 Region sequenced: VP1 RT-PCR primers: O-1C272F/EUR-2B52R; O-1C244F/EUR-2B52R No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639	Report date: 05/06/2006 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ME-SA Genotype/strain: PanAsia Sequence filename: PAK06-14.SEQ Date sequence last updated: 01/06/2006 Total no. of comparisons: 1831 Min. no. of nt for comparison: 300 Total turn-around time: 38 days Sequencing time: 31 days																																																																																								
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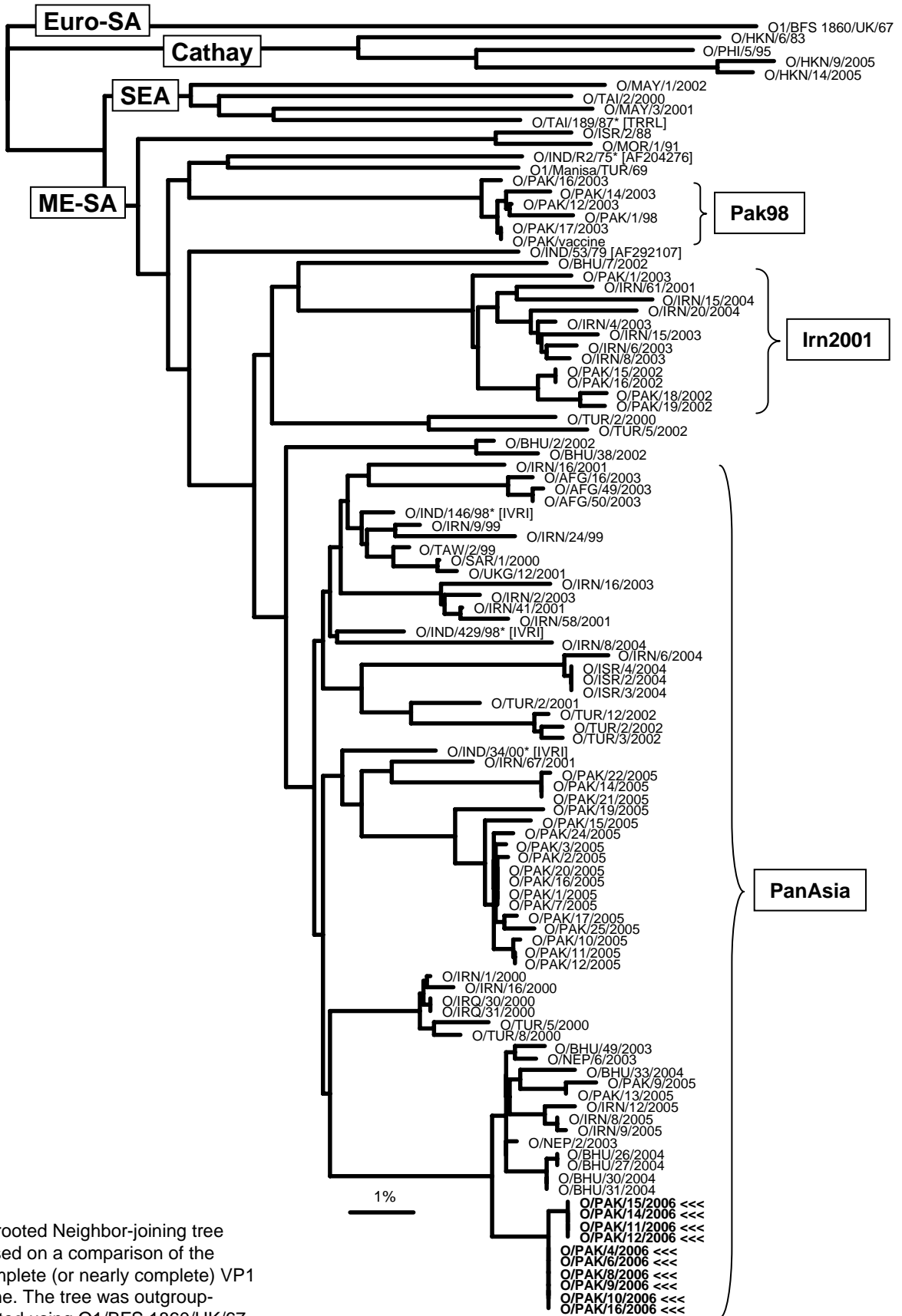
Molecular Epidemiology Report Form

IAH-P-EP-MEG-FOR-005-1

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Serotype: O WRL Ref No: PAK/16/2006 Sender Ref: 2.1 Date collected: 31/01/2006 Date received by WRLFMD: 28/04/2006 Date received for sequencing: 05/05/2006 Species: Cattle Material used: BTy1 Region sequenced: VP1 RT-PCR primers: O-1C272F/EUR-2B52R; O-1C244F/EUR-2B52R No. of Nt determined: 639 No. of ambiguities: 0 Gene length: 639	Report date: 05/06/2006 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ME-SA Genotype/strain: PanAsia Sequence filename: PAK06-16.SEQ Date sequence last updated: 01/06/2006 Total no. of comparisons: 1831 Min. no. of nt for comparison: 300 Total turn-around time: 38 days Sequencing time: 31 days																																																																																								
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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	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	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	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																																																																																									

Report on: O Pakistan 2006



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.