

Molecular Epidemiology Report Form

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

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Serotype: O WRL Ref No: EGY/25/2007 Sender Ref: 23 Date collected: 19/09/2007 Date received by WRLFMD: 12/10/2007 Date received for sequencing: 24/10/2007 Species: Not known Material used: Blood Region sequenced: VP1 RT-PCR primers: FMD-VP1UF/EUR-2B52R No. of Nt determined: 141 No. of ambiguities: 1 Gene length: 639	Report date: 01/11/2007 Reported by: N.J. Knowles Checked by: D.P. King Topotype: ME-SA Genotype/strain: PanAsia Sequence filename: EGY07-25.SEQ Date sequence last updated: 29/10/2007 Total no. of comparisons: 1992 Min. no. of nt for comparison: 125 Total turn-around time: 20 days Sequencing time: 8 days
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Comments: Identical sequences were obtained from O/EGY/26-31/2007.

Ten Most Closely Related Viruses*

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/IRN/1/2007	IRN07-01	141	140	0	99.29	0.71
2	O/JOR/5/2006	JOR06-05	141	140	0	99.29	0.71
3	O/PAK/10/2006	PAK06-10	141	140	0	99.29	0.71
4	O/SAU/1/2007	SAU07-01	141	140	0	99.29	0.71
5	O/TUR/14/2007	TUR07-14	141	140	0	99.29	0.71
6	O/AFG/34/2007	AFG07-34	141	139	0	98.58	1.42
7	O/AZB/1/2007* (ARRIAH)	AZB07-AA	141	139	0	98.58	1.42
8	O/ISR/5/2007	ISR07-05	141	139	0	98.58	1.42
9	O/KAZ/2007 (ARRIAH)	KAZ07-AA	141	139	0	98.58	1.42
10	O/KRG/2/2007* (ARRIAH)	KRG07-AB	141	139	0	98.58	1.42

* edited to show only one isolate from each country.

Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/IND/R2/75* [AF204276]	IND75--A	141	131	0	92.91	7.09
2	O/TAW/2/99	TAW99-02	141	130	0	92.2	7.8
3	O1/Manisa/TUR/69 (AJ251477)	TUR69--E	141	126	0	89.36	10.64
4	O/IND/53/79 [AF292107]	IND79A53	141	124	0	87.94	12.06
5	O/MOR/1/91	MOR91-01	141	123	0	87.23	12.77
6	O/ISR/2/88 (DQ164899)	ISR88-02	141	122	0	86.52	13.48
7	O/TAI/189/87* [TRRL]	TAI87-AC	141	118	0	83.69	16.31
8	O1/BFS_1860/UK/67 (J02185)	UKG67--A	141	113	0	80.14	19.86
9	O/HKN/6/83	HKN83-06	141	111	2	78.72	21.28
10	O/PHI/5/95 (DQ164946)	PHI95-05	141	108	0	76.6	23.4

nt, nucleotides

*, not a WRLFMD reference number