

Serotype: O	Report date: 23/09/2004
WRL Ref No: BHU/41/2004	
Date collected: 10/04/2004	Topotype: ME-SA
Date received: 27/08/2004	Genotype/strain: PanAsia
Species: Cattle	Sequence filename: BHU04-41.SEQ
Material used: 10% epith. susp.	Date sequence last updated: 23/09/2004
Region sequenced: VP1	Total no. of comparisons: 1445
RT-PCR primers: FMD-VP1UF/NK61	
No. of Nt determined: 142	
No. of ambiguities: 0	
Gene length: 639	

Comments: No virus was isolated on cell cultures and RT-PCRs for the complete VP1 gene were negative.

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/BHU/39/2004	BHU04-39	142	142	0	100	0
2	O/BHU/40/2004	BHU04-40	142	142	0	100	0
3	O/BHU/42/2004	BHU04-42	142	142	0	100	0
4	O/BHU/30/2004	BHU04-30	142	141	0	99.3	0.7
5	O/BHU/31/2004	BHU04-31	142	141	0	99.3	0.7
6	O/BHU/28/2004	BHU04-28	142	141	0	99.3	0.7
7	O/BHU/26/2004	BHU04-26	142	141	0	99.3	0.7
8	O/BHU/27/2004	BHU04-27	142	141	0	99.3	0.7
9	O/BHU/33/2004	BHU04-33	142	140	0	98.59	1.41
10	O/NEP/6/2003	NEP03-06	142	140	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	142	133	0	93.66	6.34
2	O/IND/R2/75*	IND75--A	142	130	0	91.55	8.45
3	O/IND/53/79	IND79A53	142	125	0	88.03	11.97
4	O/MOR/1/91	MOR91-01	139	121	3	87.05	12.95
5	O1/Manisa/TUR/69	TUR69--E	142	123	0	86.62	13.38
6	O/ISR/2/88	ISR88-02	142	121	0	85.21	14.79
7	O/TAI/189/87*	TAI87-AC	142	117	0	82.39	17.61
8	O/HKN/6/83	HKN83-06	142	112	0	78.87	21.13
9	O1/BFS 1860/UK/67	UKG67--A	142	111	0	78.17	21.83
10	O/PHI/5/95	PHI95-05	142	109	0	76.76	23.24

nt, nucleotides

*, not a WRLFMD reference number

Serotype: O
WRL Ref No: BHU/42/2004
Date collected: 10/04/2004
Date received: 27/08/2004
Species: Cattle
Material used: 10% epith. susp.
Region sequenced: VP1
RT-PCR primers: FMD-VP1UF/NK61
No. of Nt determined: 142
No. of ambiguities: 0
Gene length: 639

Report date: 23/09/2004

Topotype: ME-SA

Genotype/strain: PanAsia

Sequence filename: BHU04-42.SEQ

Date sequence last updated: 23/09/2004

Total no. of comparisons: 1445

Comments: No virus was isolated on cell cultures and RT-PCRs for the complete VP1 gene were negative.

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/BHU/39/2004	BHU04-39	142	142	0	100	0
2	O/BHU/40/2004	BHU04-40	142	142	0	100	0
3	O/BHU/41/2004	BHU04-41	142	142	0	100	0
4	O/BHU/30/2004	BHU04-30	142	141	0	99.3	0.7
5	O/BHU/31/2004	BHU04-31	142	141	0	99.3	0.7
6	O/BHU/28/2004	BHU04-28	142	141	0	99.3	0.7
7	O/BHU/26/2004	BHU04-26	142	141	0	99.3	0.7
8	O/BHU/27/2004	BHU04-27	142	141	0	99.3	0.7
9	O/BHU/33/2004	BHU04-33	142	140	0	98.59	1.41
10	O/NEP/6/2003	NEP03-06	142	140	0	98.59	1.41

Relationships to Reference Virus Strains

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1	O/TAW/2/99	TAW99-02	142	133	0	93.66	6.34
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