

Serotype: ASIA1	Report date: 28/08/2005
WRL Ref No: MOG/2005	
Sender Ref: As1/Mongolia/2005	
Date collected: August 2005	
Date received for analysis: 28/08/2005	Topotype: none defined
Species: Cattle	Genotype/strain: none designated
Material used: not known	Sequence filename: MOG05-AA.SEQ
Region sequenced: VP1	Date sequence last updated: 28/08/2005
RT-PCR primers: not known	Total no. of comparisons: 367
No. of Nt determined: 633	Min. no. of nt for comparison: 300
No. of ambiguities: 0	Total turn-around time: 0 days
Gene length: 633	Analysis time: 0 days

Comments: Complete VP1 sequence received from Alexey Sherbakov (FGI ARRIAH)

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	As1/Amursky/RUS/2005 [DQ121401]	RUS05-AA	630	628	3	99.68	0.32
2	As1/Khabarovsk/RUS/2005	RUS05-AB	633	629	0	99.37	0.63
3	As1/JiangSu/CHA/2005	CHA05-AA	633	628	0	99.21	0.79
4	As1/IND/15/81 [DQ121117]	IND81-15	633	625	0	98.74	1.26
5	As1/IND/18/80 [DQ121116]	IND80-18	633	623	0	98.42	1.58
6	As1/IND/16/76	IND76-16	633	608	0	96.05	3.95
7	As1/ISR/3/63 [AY593796]	ISR63A03	633	572	0	90.36	9.64
8	As1/Kimron/ISR/57 [AY593797]	ISR57KIM	633	568	0	89.73	10.27
9	As1/IND/44/98* [AF392943]	IND98-AI	630	559	0	88.73	11.27
10	As1/IND/2/71 (1964)	IND71-02	630	559	0	88.73	11.27

Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	As1/Kimron/ISR/57 [AY593797]	ISR57KIM	633	568	0	89.73	10.27
2	As1/IND/63/72 [Y09949]	IND72B63	630	556	0	88.25	11.75
3	As1/IND/WBN/117/85* [AY687334]	IND85-AA	633	546	0	86.26	13.74
4	As1/IND/8/79	IND79-08	633	546	0	86.26	13.74
5	As1/YNBS/CHA/58 [AY390432]	CHA58-AA	633	546	0	86.26	13.74
6	As1/Shamir/ISR/89	ISR89--A	633	544	0	85.94	14.06
7	As1/PAK/1/54	PAK54-01	630	537	0	85.24	14.76
8	As1/TAI/85	TAI85-AA	590	499	1	84.58	15.42
9	As1/CAM/9/80	CAM80-09	633	528	0	83.41	16.59

nt, nucleotides

*, not a WRLFMD reference number

**Report on Asia 1 Russia and Mongolia 2005 sequences
received from FGI ARRIAH on 28/08/2005**



Unrooted Neighbor-joining tree based on a comparison of the complete VP1 gene (~633 nt). The tree was outgroup-rooted using PAK/1/54.

* Not a WRLFMD reference number.