

Serotype: O Report date: 25/09/2006
WRL Ref No: NGR/3/2005
Sender Ref: 184/06/viro 135
Date collected: 31/12/2005
Date received by WRLFMD: 04/08/2006 Topotype: WA
Date received for sequencing: 29/08/2006 Genotype/strain: none designated
Species: Cattle Sequence filename: NGR05-03.SEQ
Material used: BTy1 Date sequence last updated: 21/09/2006
Region sequenced: VP1 Total no. of comparisons: 1977
RT-PCR primers: O-1C272F/EUR-2B52R Min. no. of nt for comparison: 300
No. of Nt determined: 639 Total turn-around time: 52 days
No. of ambiguities: 0 Sequencing time: 27 days
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/NGR/10/2005	NGR05-10	639	638	0	99.84	0.16
2	O/NGR/14/2005	NGR05-14	639	633	0	99.06	0.94
3	O/MAI/2/2005	MAI05-02	639	604	0	94.52	5.48
4	O/MAI/1/2005	MAI05-01	639	604	0	94.52	5.48
5	O/MAI/3/2005	MAI05-03	639	603	0	94.37	5.63
6	O/BKF/1/2002	BKF02-01	639	601	0	94.05	5.95
7	O/CIV/8/99	CIV99-08	639	599	0	93.74	6.26
8	O/NGR/11/2001	NGR01-11	639	597	0	93.43	6.57
9	O/GNA/4/99	GNA99-04	638	596	1	93.42	6.58
10	O/MOR/2/99	MOR99-02	333	311	3	93.39	6.61

Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/IND/53/79 [AF292107]	IND79A53	639	531	0	83.1	16.9
2	O/TAW/2/99	TAW99-02	639	528	0	82.63	17.37
3	O1/Manisa/TUR/69	TUR69--E	639	527	0	82.47	17.53
4	O/IND/R2/75* [AF204276]	IND75--A	639	525	0	82.16	17.84
5	O/MOR/1/91	MOR91-01	639	521	0	81.53	18.47
6	O/ISR/2/88	ISR88-02	639	517	0	80.91	19.09
7	O/TAI/189/87* [TRRL]	TAI87-AC	639	510	0	79.81	20.19
8	O1/BFS 1860/UK/67	UKG67--A	639	506	0	79.19	20.81
9	O/PHI/5/95	PHI95-05	639	505	0	79.03	20.97
10	O/HKN/6/83	HKN83-06	637	498	2	78.18	21.82

nt, nucleotides

*, not a WRLFMD reference number

Serotype: O
 WRL Ref No: NGR/10/2005
 Sender Ref: Gaya Dole 2
 Date collected: 31/12/2005
 Date received by WRLFMD: 04/08/2006
 Date received for sequencing: 29/08/2006
 Species: Cattle
 Material used: BTy1
 Region sequenced: VP1
 RT-PCR primers: O-1C272F/EUR-2B52R
 No. of Nt determined: 639
 No. of ambiguities: 0
 Gene length: 639

Report date: 25/09/2006
 Topotype: WA
 Genotype/strain: none designated
 Sequence filename: NGR05-10.SEQ
 Date sequence last updated: 21/09/2006
 Total no. of comparisons: 1977
 Min. no. of nt for comparison: 300
 Total turn-around time: 52 days
 Sequencing time: 27 days

Comments:

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/NGR/3/2005	NGR05-03	639	638	0	99.84	0.16
2	O/NGR/14/2005	NGR05-14	639	634	0	99.22	0.78
3	O/MAI/2/2005	MAI05-02	639	603	0	94.37	5.63
4	O/MAI/1/2005	MAI05-01	639	603	0	94.37	5.63
5	O/MAI/3/2005	MAI05-03	639	602	0	94.21	5.79
6	O/BKF/1/2002	BKF02-01	639	601	0	94.05	5.95
7	O/CIV/8/99	CIV99-08	639	598	0	93.58	6.42
8	O/MOR/2/99	MOR99-02	333	311	3	93.39	6.61
9	O/NGR/11/2001	NGR01-11	639	596	0	93.27	6.73
10	O/GNA/4/99	GNA99-04	638	595	1	93.26	6.74

Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/IND/53/79 [AF292107]	IND79A53	639	530	0	82.94	17.06
2	O/TAW/2/99	TAW99-02	639	527	0	82.47	17.53
3	O1/Manisa/TUR/69	TUR69--E	639	526	0	82.32	17.68
4	O/IND/R2/75* [AF204276]	IND75--A	639	524	0	82	18
5	O/MOR/1/91	MOR91-01	639	520	0	81.38	18.62
6	O/ISR/2/88	ISR88-02	639	516	0	80.75	19.25
7	O/TAI/189/87* [TRRL]	TAI87-AC	639	509	0	79.66	20.34
8	O1/BFS 1860/UK/67	UKG67--A	639	507	0	79.34	20.66
9	O/PHI/5/95	PHI95-05	639	504	0	78.87	21.13
10	O/HKN/6/83	HKN83-06	637	499	2	78.34	21.66

nt, nucleotides

*, not a WRLFMD reference number

Serotype: O	Report date: 25/09/2006
WRL Ref No: NGR/14/2005	
Sender Ref: 6	
Date collected: 31/12/2005	
Date received by WRLFMD: 04/08/2006	Topotype: WA
Date received for sequencing: 29/08/2006	Genotype/strain: none designated
Species: Cattle	Sequence filename: NGR05-14.SEQ
Material used: BTy1	Date sequence last updated: 21/09/2006
Region sequenced: VP1	Total no. of comparisons: 1977
RT-PCR primers: O-1C272F/EUR-2B52R	Min. no. of nt for comparison: 300
No. of Nt determined: 639	Total turn-around time: 52 days
No. of ambiguities: 0	Sequencing time: 27 days
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/NGR/10/2005	NGR05-10	639	634	0	99.22	0.78
2	O/NGR/3/2005	NGR05-03	639	633	0	99.06	0.94
3	O/MAI/2/2005	MAI05-02	639	603	0	94.37	5.63
4	O/MAI/1/2005	MAI05-01	639	603	0	94.37	5.63
5	O/BKF/1/2002	BKF02-01	639	602	0	94.21	5.79
6	O/MAI/3/2005	MAI05-03	639	602	0	94.21	5.79
7	O/CIV/8/99	CIV99-08	639	599	0	93.74	6.26
8	O/MOR/2/99	MOR99-02	333	312	3	93.69	6.31
9	O/ALG/2/99	ALG99-02	639	598	0	93.58	6.42
10	O/NGR/11/2001	NGR01-11	639	597	0	93.43	6.57

Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/IND/53/79 [AF292107]	IND79A53	639	530	0	82.94	17.06
2	O/TAW/2/99	TAW99-02	639	527	0	82.47	17.53
3	O1/Manisa/TUR/69	TUR69--E	639	525	0	82.16	17.84
4	O/IND/R2/75* [AF204276]	IND75--A	639	524	0	82	18
5	O/MOR/1/91	MOR91-01	639	522	0	81.69	18.31
6	O/ISR/2/88	ISR88-02	639	518	0	81.06	18.94
7	O/TAI/189/87* [TRRL]	TAI87-AC	639	512	0	80.13	19.87
8	O1/BFS 1860/UK/67	UKG67--A	639	508	0	79.5	20.5
9	O/PHI/5/95	PHI95-05	639	504	0	78.87	21.13
10	O/HKN/6/83	HKN83-06	637	499	2	78.34	21.66

nt, nucleotides

*, not a WRLFMD reference number

Report on FMDV O from Niger in 2005

