

Serotype: C		Report date: 05/09/2006					
WRL Ref No: ETH/6/2005							
Sender Ref: ETH-06							
Date collected: 03/02/1983							
Date received by WRLFMD: 22/12/2005		Topotype: none designated					
Date received for sequencing: 09/01/2006		Genotype/strain: none designated					
Species: Bovine		Sequence filename: ETH05-06.SEQ					
Material used: BTy1		Date sequence last updated: 26/03/2006					
Region sequenced: VP1		Total no. of comparisons: 230					
RT-PCR primers: C-1C536F/EUR-2B52R; C-1C616F/EUR-2B52R		Min. no. of nt for comparison: 300					
No. of Nt determined: 633		Total turn-around time: 257 days					
No. of ambiguities: 0		Sequencing time: 239 days					
Gene length: 633							
Comments:							
Ten Most Closely Related Viruses							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	C/ETH/7/2005 (year nk)	ETH05-07	633	632	0	99.84	0.16
2	C/ETH/1/71	ETH71-01	633	624	0	98.58	1.42
3	C/KEN/32/70 (K267/67)	KEN70-32	633	593	0	93.68	6.32
4	C/K221/83 (Kenya)	KEN83221	633	593	0	93.68	6.32
5	C/KEN/5/96 (K14/96)	KEN96-05	633	593	0	93.68	6.32
6	C/KEN/1/2004 (K6/04)	KEN04-01	633	592	0	93.52	6.48
7	C/UGA/20/70	UGA70-20	628	560	5	89.17	10.83
8	C/UGA/18/70	UGA70-18	632	562	1	88.92	11.08
9	C/UGA/35/71A	UGA71-35	633	562	0	88.78	11.22
10	C/UGA/19/70	UGA70-19	633	561	0	88.63	11.37
Relationships to Reference Virus Strains							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	C/KEN/32/70 (K267/67)	KEN70-32	633	593	0	93.68	6.32
2	C1/GER/c.26 (CGC) [M90368]	GER26--B	624	539	3	86.38	13.62
3	C/IND/51/79 (IND/42/77*)	IND79-51	630	535	0	84.92	15.08
4	C2/Pando/URU/44	URU44	622	526	8	84.57	15.43
5	C1/Oberbayern/FRG/60 [X00130]	GER60-OB	627	528	0	84.21	15.79
6	C3/Resende/BRA/55 [M90381]	BRA55-RE	630	530	0	84.13	15.87
7	C1/Noville/SWI/65 [AY593804]	SWI65-AA	627	526	0	83.89	16.11
8	C3/ARG/85 [AJ007347]	ARG85--B	630	528	0	83.81	16.19
9	C3/Indaial/BRA/71 [K01202]	BRA71--A	630	524	0	83.17	16.83
10	C/PHI/7/84	PHI84A07	575	467	2	81.22	18.78
nt, nucleotides							
*, not a WRLFMD reference number							

Serotype: C
WRL Ref No: ETH/7/2005
Sender Ref: ETH-07
Date collected: not known
Date received by WRLFMD: 22/12/2005
Date received for sequencing: 09/01/2006
Species: Bovine
Material used: BTy1
Region sequenced: VP1
RT-PCR primers: C-1C536F/EUR-2B52R;
C-1C616F/EUR-2B52R
No. of Nt determined: 633
No. of ambiguities: 0
Gene length: 633

Report date: 05/09/2006
Topotype: none designated
Genotype/strain: none designated
Sequence filename: ETH05-07.SEQ
Date sequence last updated: 11/01/2006
Total no. of comparisons: 230
Min. no. of nt for comparison: 300
Total turn-around time: 257 days
Sequencing time: 239 days

Comments:

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	C/ETH/6/2005 (1983)	ETH05-06	633	632	0	99.84	0.16
2	C/ETH/1/71	ETH71-01	633	623	0	98.42	1.58
3	C/KEN/32/70 (K267/67)	KEN70-32	633	592	0	93.52	6.48
4	C/K221/83 (Kenya)	KEN83221	633	592	0	93.52	6.48
5	C/KEN/5/96 (K14/96)	KEN96-05	633	592	0	93.52	6.48
6	C/KEN/1/2004 (K6/04)	KEN04-01	633	591	0	93.36	6.64
7	C/UGA/20/70	UGA70-20	628	559	5	89.01	10.99
8	C/UGA/18/70	UGA70-18	632	561	1	88.77	11.23
9	C/UGA/35/71A	UGA71-35	633	561	0	88.63	11.37
10	C/UGA/19/70	UGA70-19	633	560	0	88.47	11.53

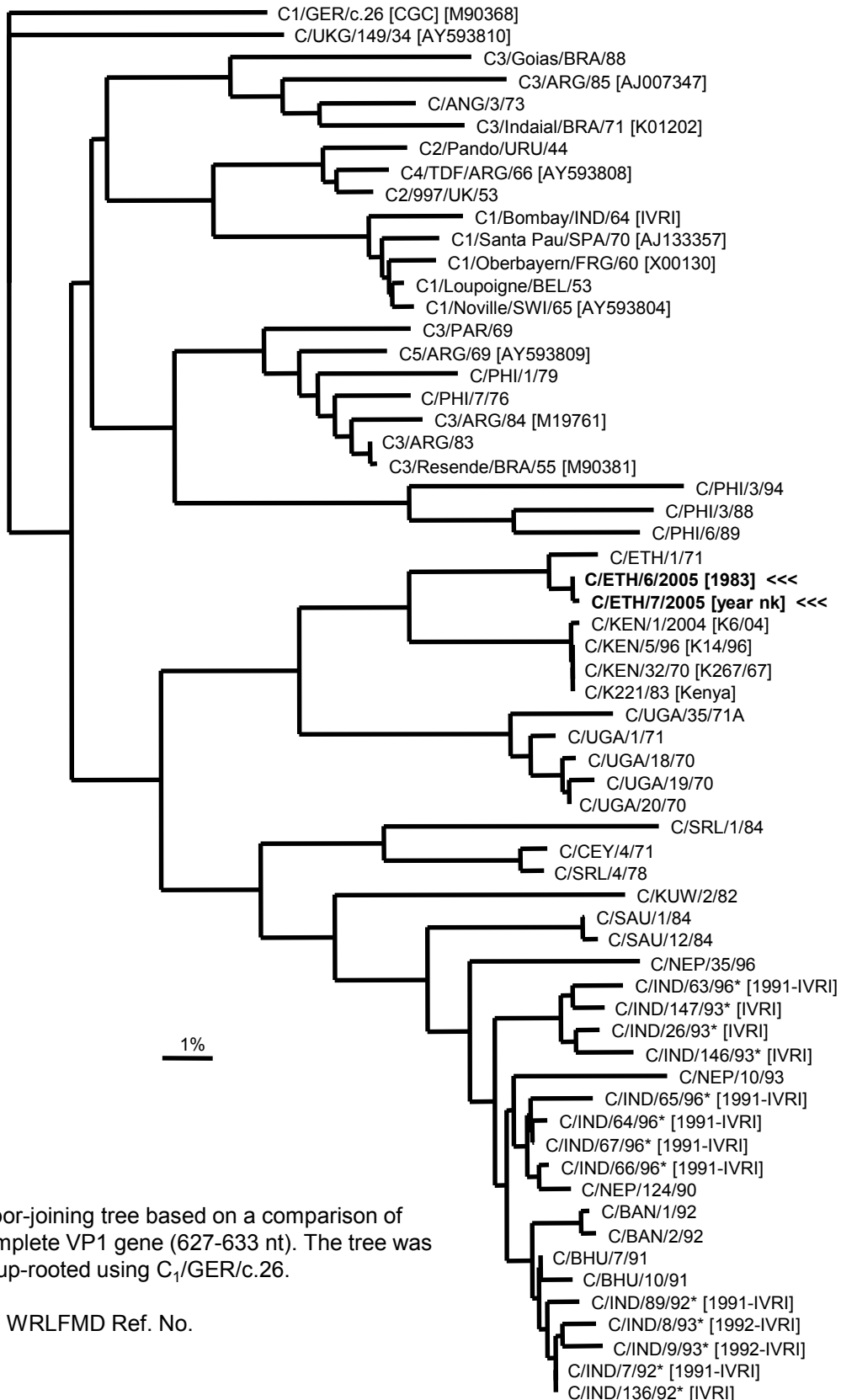
Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	C/KEN/32/70 (K267/67)	KEN70-32	633	592	0	93.52	6.48
2	C1/GER/c.26 (CGC) [M90368]	GER26--B	624	540	3	86.54	13.46
3	C/IND/51/79 (IND/42/77*)	IND79-51	630	536	0	85.08	14.92
4	C2/Pando/URU/44	URU44	622	525	8	84.41	15.59
5	C1/Oberbayern/FRG/60 [X00130]	GER60-OB	627	527	0	84.05	15.95
6	C3/Resende/BRA/55 [M90381]	BRA55-RE	630	529	0	83.97	16.03
7	C1/Noville/SWI/65 [AY593804]	SWI65-AA	627	525	0	83.73	16.27
8	C3/ARG/85 [AJ007347]	ARG85--B	630	527	0	83.65	16.35
9	C3/Indaial/BRA/71 [K01202]	BRA71--A	630	523	0	83.02	16.98
10	C/PHI/7/84	PHI84A07	575	467	2	81.22	18.78

nt, nucleotides

*, not a WRLFMD reference number

Report on FMDV C received from Ethiopia in 2005



Neighbor-joining tree based on a comparison of the complete VP1 gene (627-633 nt). The tree was outgroup-rooted using C₁/GER/c.26.

* Not a WRLFMD Ref. No.