

Serotype: A
WRL Ref No: CAR/36/2005
Sender Ref: C/GJ/08-1
Date collected: 25/05/2005
Date received by WRLFMD: 27/10/2005
Date received for sequencing: 09/11/2005
Species: Cattle
Material used: BTy1
Region sequenced: VP1
RT-PCR primers: A-1C562F/EUR-2B52R;
A-1C612F/EUR-2B52R
No. of Nt determined: 639
No. of ambiguities: 0
Gene length: 639

Report date: 13/02/2007
Topotype: Africa
Genotype/strain: none designated
Sequence filename: CAR05-36.SEQ
Date sequence last updated: 08/02/2007
Total no. of comparisons: 786
Min. no. of nt for comparison: 300
Total turn-around time: 474 days
Sequencing time: 461 days

Comments:

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/CAR/116/2005	CAR05116	639	632	0	98.9	1.1
2	A/CAR/115/2005	CAR05115	638	630	1	98.75	1.25
3	A/CAR/P22/2000 (fke/066/08)	CRC00-02	639	586	0	91.71	8.29
4	A/ERI/3/97	ERI97-03	639	576	0	90.14	9.86
5	A/CAR/12/2000	CAR00-12	639	573	0	89.67	10.33
6	A/CAR/13/2000	CAR00-13	639	573	0	89.67	10.33
7	A/CAR/14/2000	CAR00-14	639	573	0	89.67	10.33
8	A/CAR/15/2000 (EF208755)	CAR00-15	639	573	0	89.67	10.33
9	A/CAR/P19/2000 (mfa/057/01)	CRC00-01	639	573	0	89.67	10.33
10	A/ERI/2/98	ERI98-02	639	573	0	89.67	10.33

Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/SAU/41/91	SAU91-41	636	498	0	78.3	21.7
2	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	639	500	0	78.25	21.75
3	A/IRN/87	IRN87--M	634	494	2	77.92	22.08
4	A/IRN/22/99 (EF208772)	IRN99-22	636	490	0	77.04	22.96
5	A22/IRQ/24/64 (AJ251474)	IRQ64-24	639	492	0	77	23
6	A/TAI/2/97 (EF208778)	TAI97-02	636	486	0	76.42	23.58
7	A/TAI/118/87* (EF208777)	TAI87-AD	636	484	0	76.1	23.9
8	A/IND/7/82 (1980)	IND82-07	639	486	0	76.06	23.94
9	A/IRN/1/96 (EF208771)	IRN96-01	638	484	1	75.86	24.14
10	A/SAU/23/86	SAU86-23	639	477	0	74.65	25.35

nt, nucleotides

*, not a WRLFMD reference number

Serotype: A Report date: 13/02/2007
WRL Ref No: CAR/115/2005
Sender Ref: AD/FD/TG/Lb/2-2
Date collected: 01/01/2005
Date received by WRLFMD: 27/10/2005 Topotype: Africa
Date received for sequencing: 23/11/2005 Genotype/strain: none designated
Species: Cattle Sequence filename: CAR05115.SEQ
Material used: BTy1 Date sequence last updated: 08/02/2007
Region sequenced: VP1 Total no. of comparisons: 786
RT-PCR primers: A-1C562F/EUR-2B52R Min. no. of nt for comparison: 300
No. of Nt determined: 638 Total turn-around time: 474 days
No. of ambiguities: 1 Sequencing time: 447 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	A/CAR/116/2005	CAR05116	638	633	0	99.22	0.78
2	A/CAR/36/2005	CAR05-36	638	630	0	98.75	1.25
3	A/CAR/P22/2000 (fke/066/08)	CRC00-02	638	581	0	91.07	8.93
4	A/ERI/3/97	ERI97-03	638	571	0	89.5	10.5
5	A/CAR/12/2000	CAR00-12	638	570	0	89.34	10.66
6	A/CAR/13/2000	CAR00-13	638	570	0	89.34	10.66
7	A/CAR/14/2000	CAR00-14	638	570	0	89.34	10.66
8	A/CAR/15/2000 (EF208755)	CAR00-15	638	570	0	89.34	10.66
9	A/CAR/P19/2000 (mfa/057/01)	CRC00-01	638	570	0	89.34	10.66
10	A/ERI/2/98	ERI98-02	638	568	0	89.03	10.97

Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/SAU/41/91	SAU91-41	635	499	0	78.58	21.42
2	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	638	497	0	77.9	22.1
3	A/IRN/87	IRN87--M	633	491	2	77.57	22.43
4	A/TAI/2/97 (EF208778)	TAI97-02	635	488	0	76.85	23.15
5	A/IRN/22/99 (EF208772)	IRN99-22	635	487	0	76.69	23.31
6	A22/IRQ/24/64 (AJ251474)	IRQ64-24	638	488	0	76.49	23.51
7	A/TAI/118/87* (EF208777)	TAI87-AD	635	485	0	76.38	23.62
8	A/IND/7/82 (1980)	IND82-07	638	486	0	76.18	23.82
9	A/IRN/1/96 (EF208771)	IRN96-01	637	483	1	75.82	24.18
10	A/SAU/23/86	SAU86-23	638	475	0	74.45	25.55

nt, nucleotides

*, not a WRLFMD reference number

Serotype: A	Report date: 13/02/2007
WRL Ref No: CAR/116/2005	
Sender Ref: AD/FD/TG/Lb/2-3	
Date collected: 01/01/2005	
Date received by WRLFMD: 27/10/2005	Topotype: Africa
Date received for sequencing: 23/11/2005	Genotype/strain: none designated
Species: Cattle	Sequence filename: CAR05116.SEQ
Material used: BTy1	Date sequence last updated: 08/02/2007
Region sequenced: VP1	Total no. of comparisons: 786
RT-PCR primers: A-1C562F/EUR-2B52R	Min. no. of nt for comparison: 300
No. of Nt determined: 639	Total turn-around time: 474 days
No. of ambiguities: 0	Sequencing time: 447 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	A/CAR/115/2005	CAR05115	638	633	1	99.22	0.78
2	A/CAR/36/2005	CAR05-36	639	632	0	98.9	1.1
3	A/CAR/P22/2000 (fke/066/08)	CRC00-02	639	587	0	91.86	8.14
4	A/CAR/12/2000	CAR00-12	639	576	0	90.14	9.86
5	A/CAR/13/2000	CAR00-13	639	576	0	90.14	9.86
6	A/CAR/14/2000	CAR00-14	639	576	0	90.14	9.86
7	A/CAR/15/2000 (EF208755)	CAR00-15	639	576	0	90.14	9.86
8	A/CAR/P19/2000 (mfa/057/01)	CRC00-01	639	576	0	90.14	9.86
9	A/ERI/3/97	ERI97-03	639	575	0	89.98	10.02
10	A/ERI/2/98	ERI98-02	639	572	0	89.51	10.49

Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/SAU/41/91	SAU91-41	636	503	0	79.09	20.91
2	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	639	499	0	78.09	21.91
3	A/IRN/87	IRN87--M	634	495	2	78.08	21.92
4	A/IRN/22/99 (EF208772)	IRN99-22	636	493	0	77.52	22.48
5	A/TAI/2/97 (EF208778)	TAI97-02	636	492	0	77.36	22.64
6	A22/IRQ/24/64 (AJ251474)	IRQ64-24	639	493	0	77.15	22.85
7	A/TAI/118/87* (EF208777)	TAI87-AD	636	490	0	77.04	22.96
8	A/IRN/1/96 (EF208771)	IRN96-01	638	489	1	76.65	23.35
9	A/IND/7/82 (1980)	IND82-07	639	489	0	76.53	23.47
10	A/SAU/23/86	SAU86-23	639	480	0	75.12	24.88

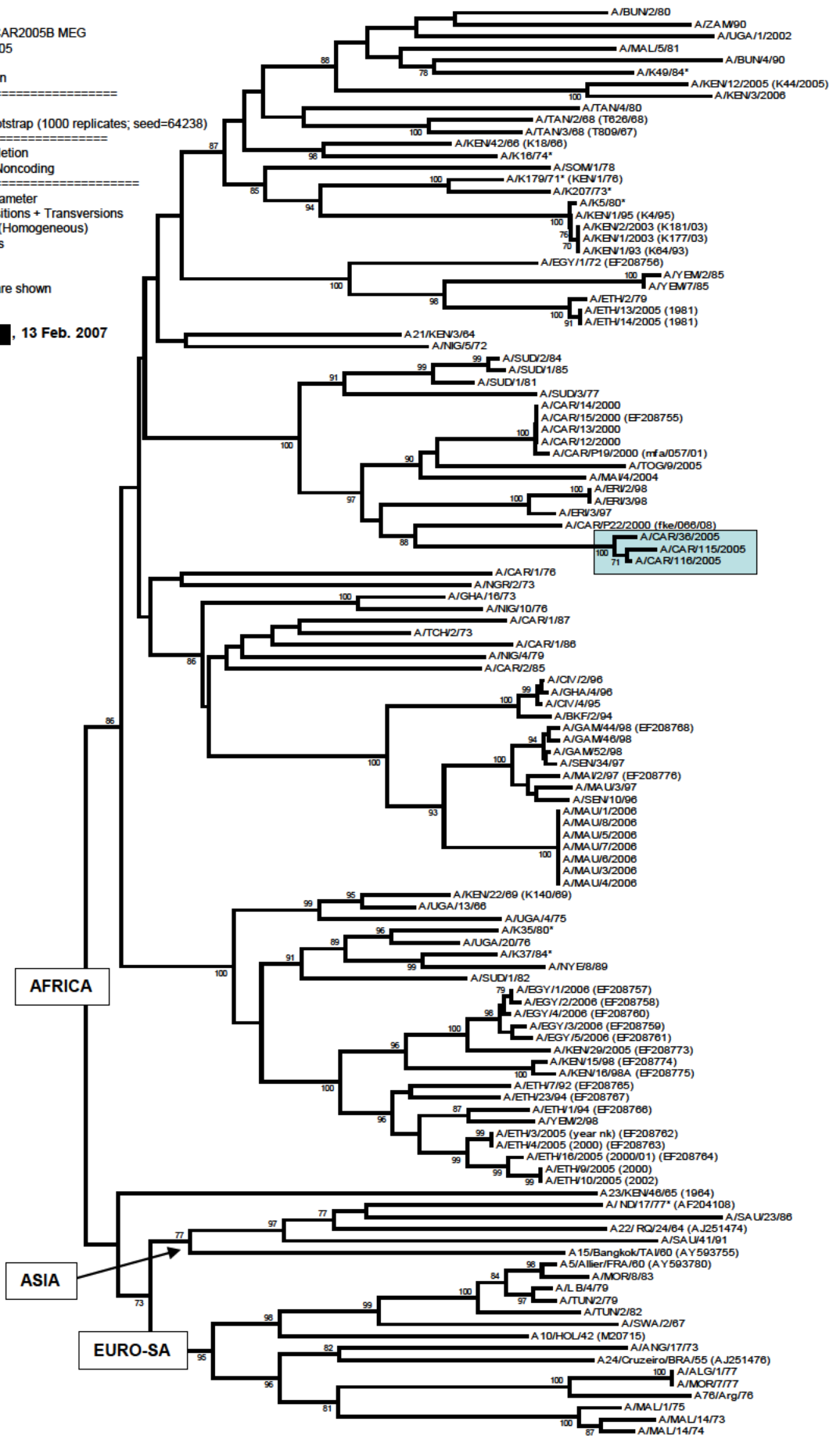
nt, nucleotides

*, not a WRLFMD reference number

Report on FMDV A Cameroon 2005

No. of Taxa : 120
 Data File : n:\evd\meg\db\fmv\atCAR2005B MEG
 Data Title : FMDV A Cameroon 2005
 Data Type : Nucleotide (Coding)
 Analysis : Phylogeny reconstruction
 Tree Inference : =====
 Method : Neighbor-Joining
 Phylogeny Test and options : Bootstrap (1000 replicates; seed=64238)
 Include Sites : =====
 Gaps/Missing Data : Pairwise Deletion
 Codon Positions : 1st+2nd+3rd+Noncoding
 Substitution Model : =====
 Model : Nucleotide: Kimura 2-parameter
 Substitutions to include : d: Transitions + Transversions
 Pattern among Lineages : Same (Homogeneous)
 Rates among sites : Uniform rates
 No. of Sites : 642
 No Of Bootstrap Reps = 1000
 Bootstrap values of 70% or more are shown

13 Feb. 2007



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