



INSTITUTE FOR ANIMAL HEALTH

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FAX TRANSMISSION

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TO: [REDACTED] **FROM:** [REDACTED]
DATE: 18.7.03 **FAX NO:** [REDACTED]
PAGES: 2 **RE:** Sequencing Report

Dear [REDACTED]

Virus isolate: LIB/7/2003

Further to our serotyping and preliminary sequencing report on samples received from Libya on 11th June 2003, we have now completed our sequencing studies, the details of which are attached. This result shows that the two viruses isolated at IAH-Pirbright are essentially the same.

Yours sincerely

[REDACTED]

c.c. [REDACTED]

Report from the Molecular Epidemiology Section of the Experimental Epidemiology Group to the Head of the World Reference Laboratory for FMD (Non-QAU Form)

Serotype: SAT2	Date: 15/07/2003
Virus isolate: LIB/7/2003	Reported by: N.J. Knowles
Material used: BTY2	Signed (file copy only):
Region sequenced: VP1	Seq. filename: LIB03-07
RT-PCR primer set: SAT-1D209F/2B208R	
Topotype:	No. of ambiguities: 0
Genotype/strain:	Date seq. last updated: 15/07/2003
No. of nt determined / no. in gene: 418 / 648	Total no. of comparisons made: 226

Comments:

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	LIB/1/2003	LIB03-01	418	418	0	100.00	0.00
2	CRC/11/2000	CRC00-11	398	371	20	93.22	6.78
3	CRC/5/2000	CRC00-05	418	389	0	93.06	6.94
4	CAR/11/2000	CAR00-11	411	382	7	92.94	7.06
5	CRC/18/2000	CRC00-18	407	378	10	92.87	7.13
6	CRC/3/2000	CRC00-03	397	368	0	92.70	7.30
7	CRC/4/2000	CRC00-04	396	366	1	92.42	7.58
8	CRC/12/2000	CRC00-12	418	386	0	92.34	7.66
9	CRC/14/2000	CRC00-14	417	385	1	92.33	7.67
10	CRC/17/2000	CRC00-17	417	385	1	92.33	7.67

Note: CRC = Cameroon carrier cattle

Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	RHO/1/48	ZAM48A01	418	310	0	74.16	25.84
2	KEN/3/57	KEN57-03	418	306	0	73.21	26.79
3	ZIM/7/83*	ZIM83A07	418	305	0	72.97	27.03
4	ZIM/9/89	ZIM89-09	218	155	1	71.10	28.90
5	ZAM/3/81	ZAM81V03	198	137	6	69.19	30.81

nt, nucleotides

*, not a WRLFMD reference number