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FAX TRANSMISSION

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TO: [redacted] **FROM:** [redacted]

DATE: 13.2.2006 **FAX NO:** [redacted]

PAGES: 2 **RE:** Strain Differentiation Report

Dear [redacted]

Strain differentiation results for serotype C FMD virus isolates received from Ethiopia on 22nd December 2005.

The following r_1 values were recently obtained by ELISA and VNT at the WRL.

r_1 Values by ELISA				
Ref. No	**C Ken** 267/67	**C Noville**	**C Oberbayern**	C Phi 7/84
C Eth 6/05	0.75	0.56	0.19	0.14
C Eth 7/05	0.59	0.30	0.13	0.10
r_1 Values by VNT				
C Eth 6/05			0.44	
C Eth 7/05			0.39	

Interpretation of r_1 values

In the case of ELISA:

r_1 = 0.4-1.0. Suggests that there is a close relationship between field isolate and vaccine strain. A potent vaccine containing the vaccine strain is likely to confer protection.

r_1 = 0.2-0.39, Suggests that the field isolate is antigenically related to the vaccine strain. The vaccine strain might be suitable for use if no closer match can be found provided that a potent vaccine is used and animals are preferably immunised more than once.

r_1 = <0.2. Suggests that the field isolate is so different from the vaccine strain that the vaccine is unlikely to protect

In the case of neutralisation:

r_1 = ≥ 0.3. Suggests that there is a close relationship between field isolate and vaccine strain. A potent vaccine containing the vaccine strain is likely to confer protection.

r_1 = < 0.3. Suggests that the field isolate is so different from the vaccine strain that the vaccine is unlikely to protect.

Yours sincerely

[redacted]
Head: World Reference Laboratory for FMD

c.c. [redacted]