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From: [REDACTED]
Date: 17th February 2009
Subject: Interim R1 Report
No. Of Pages: 2

FAX

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Thank you.

Dear [REDACTED]

Please find below the interim "r1" value report for Bot 16,18-2008 virus by 2dm VNT.

Report no: 05/09		2dmVNT		
Field Isolate:	SAU Isolate ref:	2dmVNT test ref:	Sat2 Eri VL pool	Sat2 Zim VP pool
Sat2 Bot 16/2008	B425/08	mean	vt fail	vt fail
Sat2 Bot 18/2008	B426/08	mean	vt fail	vt fail

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:

$r_1 = \geq 0.3$. 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.

N.B.

All of our phylogenetic trees can be accessed via the internet at:

http://www.iah.bbsrc.ac.uk/primary_index/current_research/virus/Picornaviridae/Aphthovirus/index.html

Yours Sincerley,

[Redacted signature]

[Redacted contact information]