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To: [REDACTED]
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From: [REDACTED]
Date: 16th February 2009
Subject: Test results
No. Of Pages: 2

Email

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Thank you.

Dear [REDACTED],

Please find below the "r1" value report for A Irq 10/2009 and A Irq 17/2009 virus by both 2dm VNT.

Report no: 06/09		2dmVNT						
Field Isolate:	SAU	2dmVNT	A Tur06	A22 Irq	A Sau 41/91	A May97	A Irn96 UZ pool	A Irn87 VQ pool
	Isolate ref:	test ref:	Arriah pool2	23-32	SI94	VJ pool		
A Irq 10/2009	B66/09 (rs1) B72/09 (rs2)	mean	0.74	0.27	0.32	0.12	0.05	0.12
A Irq 17/2009	B67/09 (rs1) B73/09 (rs2)	mean	>0.83	0.32	0.35	0.13	0.05	<0.13

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Interpretation of r_1 values

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.

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

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]
Head: World Vesicular Reference Laboratory, Institute for Animal Health
[REDACTED]