Report no:	05/09	2dmVNT			LPBE			
Field Isolate:	SAU Isolate ref:	2dmVNT test ref:	Sat2 Eri VL pool	Sat2 Zim VP pool	ELISA test ref:	Sat2 Eri	Sat2 2 51 Zim 7/83	Sat2 K52/84
Sat2 Sud 1/2008	B55/09	mean	0.27	>0.13	mean	0.69	Did not Trap	Did not Trap
Sat2 Sud 2/2008	B56/09	mean	0.18	0.15	mean	0.57	Did not Trap	Did not Trap

Interpretation of r_1 values

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.

In the case of ELISA:

r1 = 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.
r1 = 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.
r1 = <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