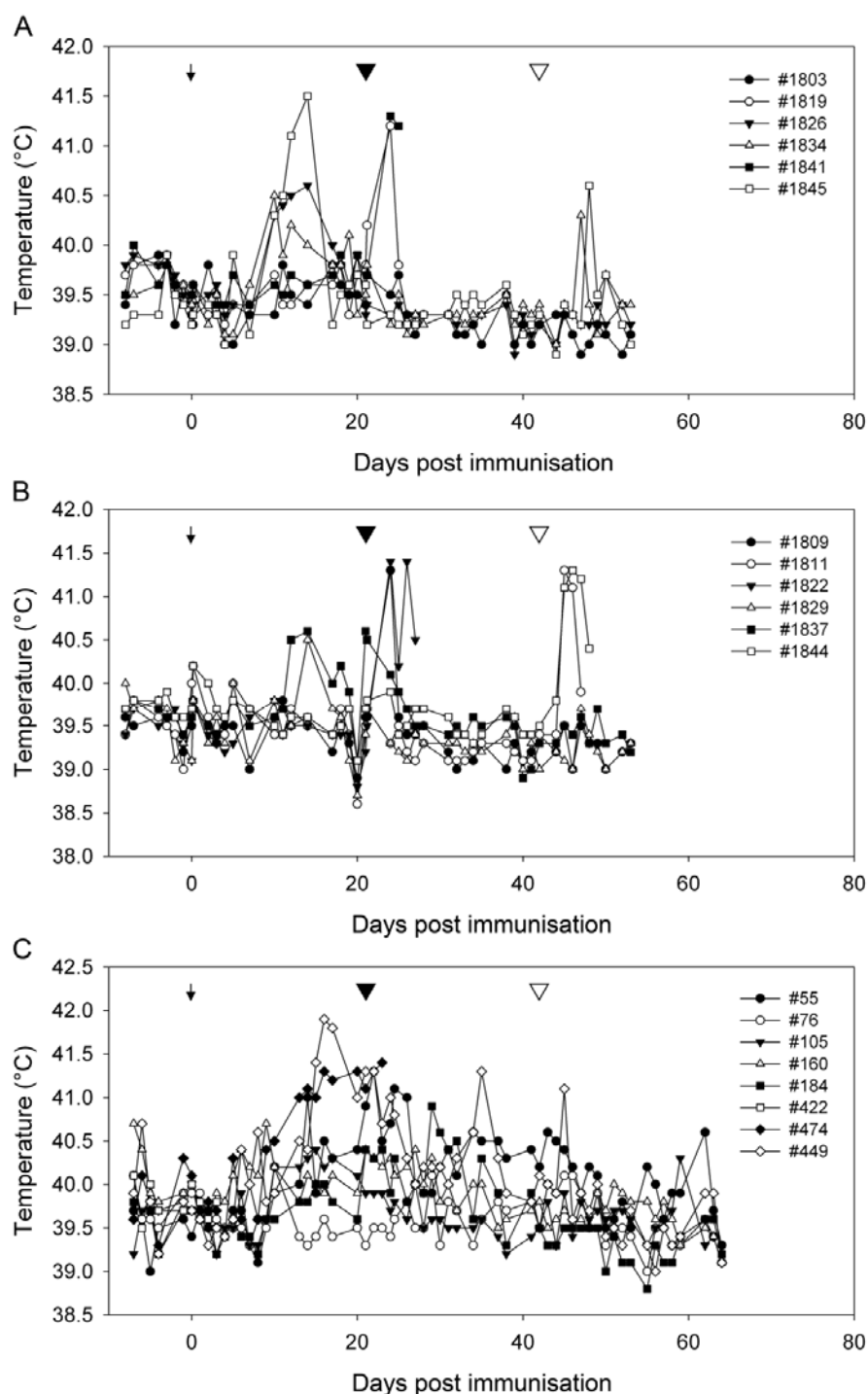


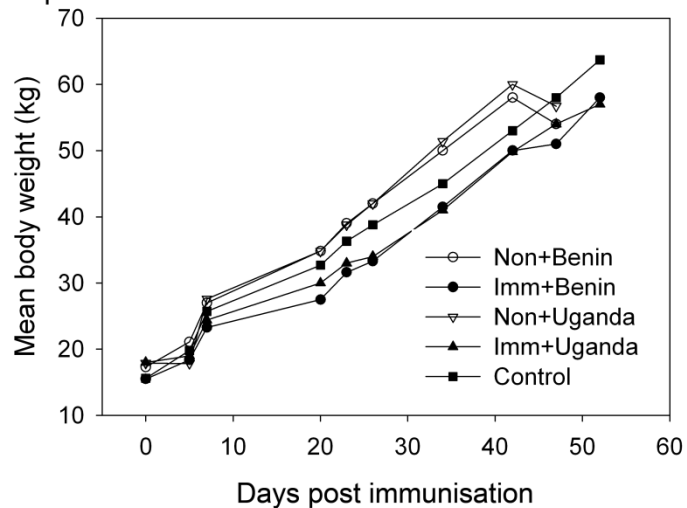
## Pyrexia after immunisation of Large White pigs with OUR T88/3 in experiment 2



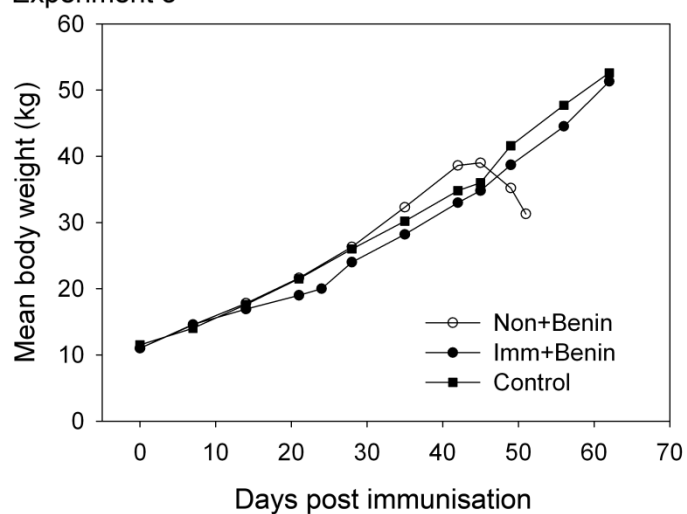
Supplementary figure 1. Pyrexia was observed in some pigs during experiments 2 and 3 after immunisation. Body temperatures are shown on the y-axis and the time post inoculation with OUR T88/3 is shown in days. Panel A shows temperatures of immune pigs from experiment 2 that were challenged with Uganda, panel B shows those challenged with Benin. Panel C shows temperatures of immune pigs from experiment 3 that were challenged with Benin. The arrow on each graph indicates the time of OUR T88/3 immunisation, the black arrowhead indicates the time of OUR T88/1 boost and the open arrowhead indicates the challenge.

Immune pigs continue to put on weight after challenge with virulent African swine fever virus

Experiment 2



Experiment 3



Supplementary figure 2. Mean weight per group from experiments 2 and 3 over time. Non-immune pig groups challenged with virulent ASFV are labelled as Non+ and immune pigs as Imm+, with the virus isolate indicated in each case.

## Clinical scoring system for African swine fever

Supplementary Table 1 The guideline of clinical score for ASF\*

1. Temperature : $<39 = 0$ , $39.0 < \text{to} < 39.5 = 1$ , $39.5 \leq \text{to} < 40 = 2$ , $40.0 \text{ to} \leq 40.5 = 3$ , $40.6 \leq 41 = 4$ , $>41 = 5$
2. Inappetence : Reduced eating (1), Only picking at food (4), Not eating (6)
3. Recumbancy : Lethargic (1), Get up only when touched (2), Slow to get up when touched (4), Remain recumbent when touched (6)
4. Skin Haemorrhage : Haemorrhagic areas on ears and body (1), Generalised haemorrhage all over body (3)
5. Joint Swelling : a joint swelling (1), Severe swelling with difficulty walking (4)
5. Laboured breathing and/or coughing (1), Severe (3)
7. Occular discharge (1),(gummed up eyes)
8. Diarrhoea (1), Bloody Diarrhoea (4)
9. Blood in Urine (4)
10. Vomiting (4)

\*The clinical assessment of ASFV was composed of 10 different categories each scored between 0 and 6.

Supplementary Table 2. Summary of pig numbers for immunised, challenged, shown symptoms, death, virus positive by PCR and HAD

	Inoculation 1		Inoculation 2		Challenge		Number of viraemic, survived pigs		Virus detection in tissues from survived pigs at termination	
	Symptoms	Death	Symptoms	Death	Symptoms	Death†	PCR	HAD	PCR	HAD
EXP 1	OURT88/3		OURT88/1		Benin97					
Non-immune	-	-	-	-	4/4	4/4	-	-	-	-
Immunised	0/3	0/3	0/3	0/3	0/3	0/3	0/3	0/3	0/3	0/3
EXP 2-A	OURT88/3		OURT88/1		Uganda					
Non-immune	-	-	-	-	5/5	5/5	-	-	-	-
Immunised	3/6	0/6	2/6	2/6	2/4	0/4	2/4	2/4	NT	NT
EXP 2-B	OURT88/3		OURT88/1		Benin 97					
Non-immune	-	-	-	-	5/5	5/5	-	-	-	-
Immunised	2/6	0/6	2/6	1/6	2/5	2/5	3/3	0/3	NT	NT
EXP 3	OURT88/3		OURT88/1		Benin 97					
Non-immune	-	-	-	-	6/6	6/6	-	-	-	-
Immunised	1/7	1/7	0/6	0/6	0/6	0/6	0/6	0/6	1/6	0/6

†: All dead pigs were positive for viraemia and infectious ASFV in tissues by both PCR and HAD

NT: Not tested