



# **The effects of sire genotype and the porcine circovirus type 2 vaccine on the growth performance of pigs from weaning to slaughter**

- **PCV2 is currently a big problem in the UK pig industry**
- **Causes high mortality and poor growth rates**
- **Methods to reduce PCV2 include the use of robust breeds and vaccination**



**Hampshire**

**Vaccinated**

**X**

**Large White**

**Non Vaccinated**

- **Half of the pigs were vaccinated at 3 weeks of age**
- **264 pigs weaned at 28  $\pm$ 4 days of age**
- **Growth performance measured**
- **Health recorded**
- **Body composition measured at slaughter**

### Genotype growth performance

	H	LW	
ADI	1.542	1.425	***
ADG	0.747	0.703	***

### Vaccination growth performance

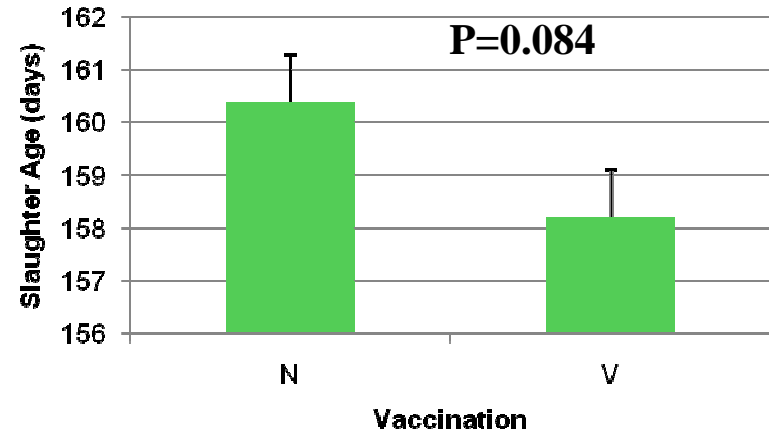
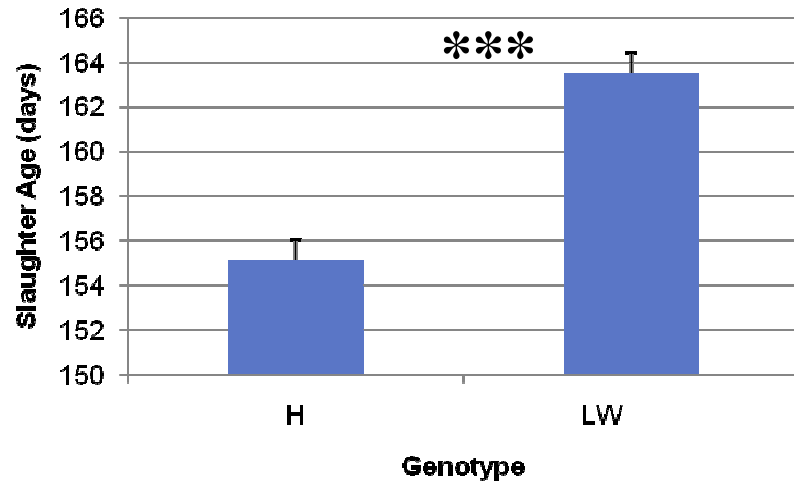
	VAC	NON	
Finisher ADG	0.819	0.787	0.113

### Health performance

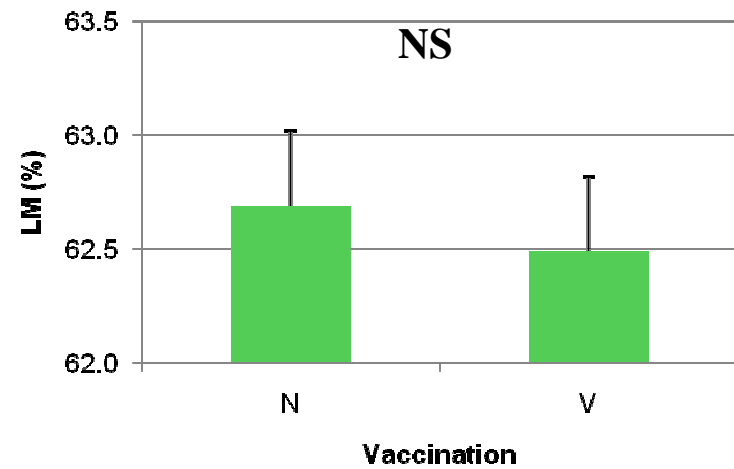
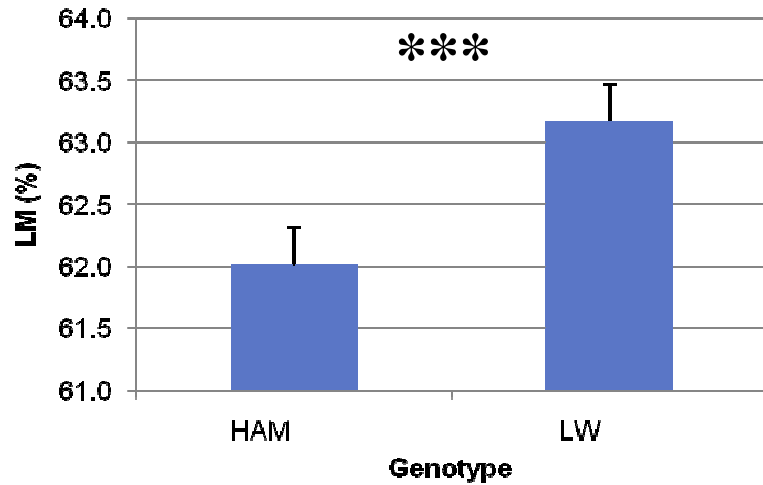
	H	LW	
Died	2	5	NS
Treated	4	19	***

	VAC	NON	
Died	3	4	NS
Treated	8	15	NS

## Age at Slaughter



## Lean Meat Percentage at Slaughter



# Acknowledgements



UNIVERSITY OF LEEDS

- Professor Helen Miller
- Dr Steven Jagger
- Dr Paul Toplis
- Dr Ian Wellock
- Spen Farm

