### **Experiment 1: EXPRESSION**

- Pilot: genotype 1003 pigs
- 89 genetically variable pigs
- Microarray

#### **Results**

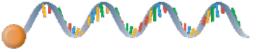
112 innate immune genes differentially expressed

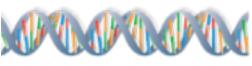
### **Experiment 2: MUTATIONS**

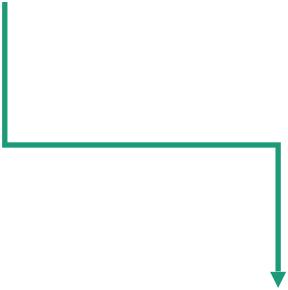
Identify genetic variation

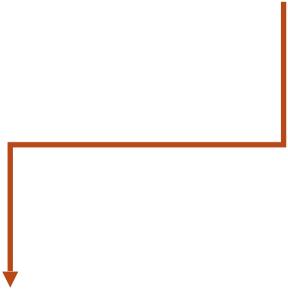
Top 72 most variable pigs

 Targeted, high throughput resequencing



























89 genetically variable pigs

Pilot: genotype 1003 pigs

## **Experiment 1: EXPRESSION**

#### differentially expressed

Microarray

112 innate immune genes

### sults





Targeted, high throughput re-

Identify genetic variation

Top 72 most variable pigs

# **Experiment 2: MUTATIONS**

# **Experiment 2: MUTATIONS**

#### sequencing

