

## **Patent Applications of Interest**

**PCT/US03/20443** - Swine genetics business system

### **Abstract**

A swine genetics business method using digital data communication provides for swine genetics customers deferring until after use of swine genetics embodiments all or a substantial portion of payments for that use.

**PCT/GB04/00563** - Method of assaying for high performance mammals

### **Abstract**

A method of assaying for animals having a high innate immunity level by assessing the total white blood cell count of the mammal or at least one of the mammal's parents and/or the acute phase protein level of the mammal or at least one of its parents. Alternatively, genetic markers indicative of these values may be used. The values obtained are compared to equivalent measurements from other mammals of the same breed. Values higher than mean equivalent measurements from mammals of the same breed indicate a high innate immunity level which is associated with a high performance.

**PCT/CA02/00733**- Methods for selecting and producing animals having a predicted level of immune response, disease resistance or susceptibility, and/or productivity

### **Abstract**

The invention relates to methods for selecting animals having a predicted level of immune response, disease resistance or susceptibility, and/or productivity based on an Estimated Breeding Value (EBV) of the animal's immune responsiveness, methods for producing groups of animals having a predicted level of immune response, disease resistance or susceptibility, and/or a predicted productivity based on the EBV; and methods of using such animals.

**PCT/US02/09098** - Incorporation of competitive effects in breeding program to increase performance levels and improve animal well being

### **Abstract**

The present invention is directed to a method for improving the efficiency of a breeding program that has as its goal to alter desired traits which are influenced by competitive effects.

**US 20030129610 and EP 99204461.0** - New QTL's on chromosomes X, 2, 6 and 7 of pigs

### **Abstract**

The present invention relates to the field of breeding domestic animals, particularly pigs. In particular, it relates to genotypic and/or phenotypic traits that need to be selected for in-breeding animals or animals intended for slaughter. The invention provides for the use of well-defined imprinted and x-linked markers for quality directed crossbreeding in pig breeding programs, in particular the use of new QTL's or markers on chromosomes X, 2, 6 and 7 of pigs is provided.

**PCT/US03/14998** - Multiple closed nucleus breeding for swine production

### **Abstract**

The invention comprises use of first and second, and optionally additional further, genetically and information-linked swine nucleus breeding herds to transmit genetic improvement from the first herd to each of the other herds which can be closed to live animal introduction to provide benefits in addition to genetic improvement to both the first and second and any additional herds