









### **Clinical Vaccine Field Trial**

- Necessity?
  - No observed difference in depopulations
  - Anecdotal reports that cages NOT vaccinated were turning ISA positive later than vaccinated cages at same site
    - Not a valid comparison!
  - Control was not keeping up (prior to genotyping)

### **Unit of concern**

- Sites vs cages vs fish
- Individual fish were chosen
  - all other levels were less logistically practical
  - Uniquely identified with PIT tags

### **Summary of clinical field trial considerations:**

- 1. Randomization is important (but rarely done)
- 2. Blinding is important (but rarely done)
- 3. Mortality versus infection important consideration
- 4. Unit of concern must be considered