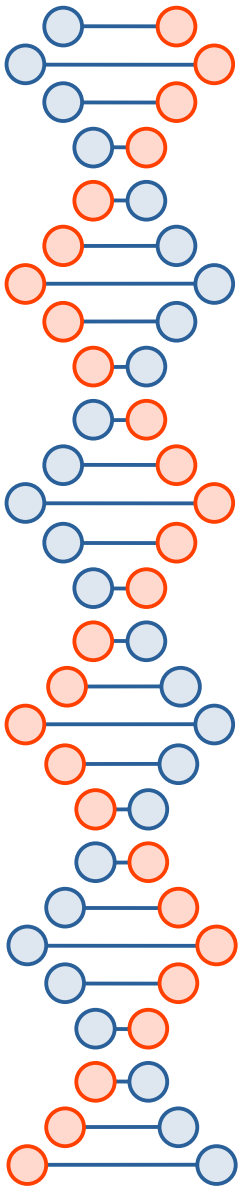


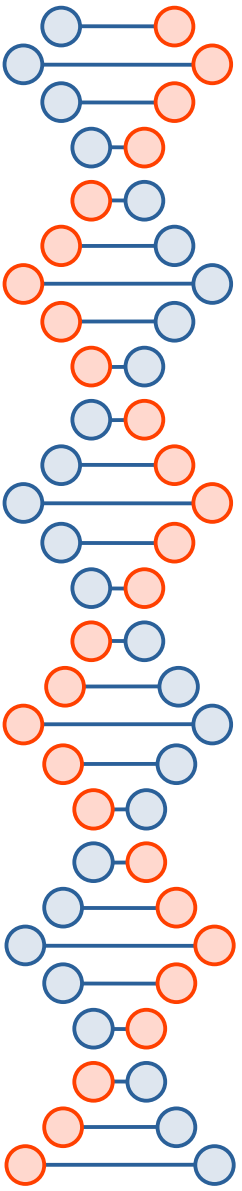
# Cold climate, low tannin oak breeding

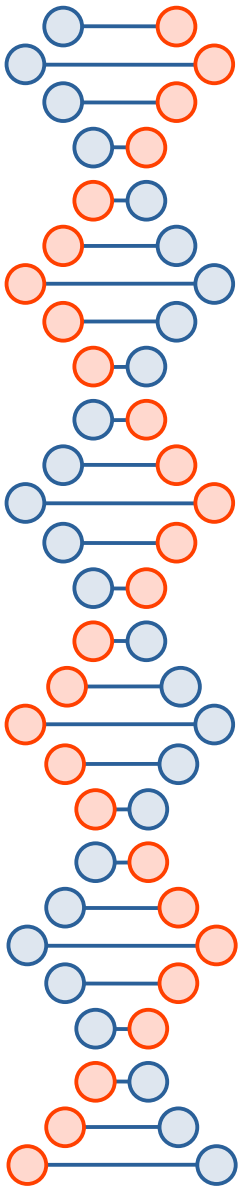


Jouke Bruinsma  
Småland, Sweden.

# Why acorns?

- Staple food
- No dig. Ecology
- Fits Forest gardens & Agriculture





# Oak in context

- Range: Northern hemisphere
- Everybody ate them!
  - – Before grains
  - – Korea (Dotori muk)
  - – Spain
  - – California (Wiiwish)

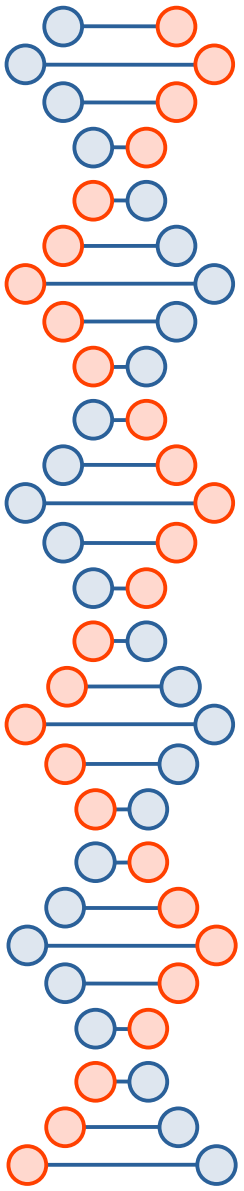


# What am I breeding?

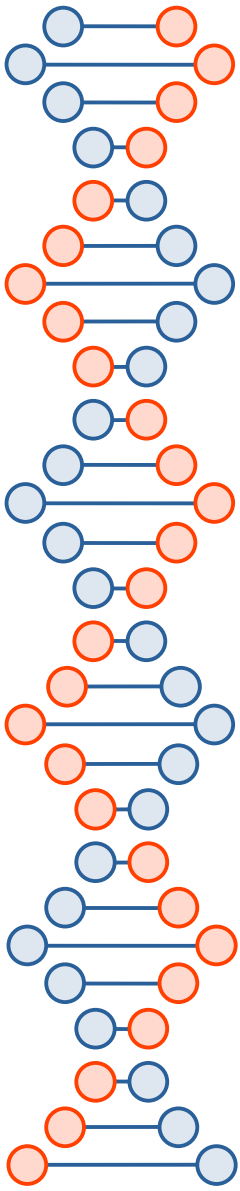
- Goal:



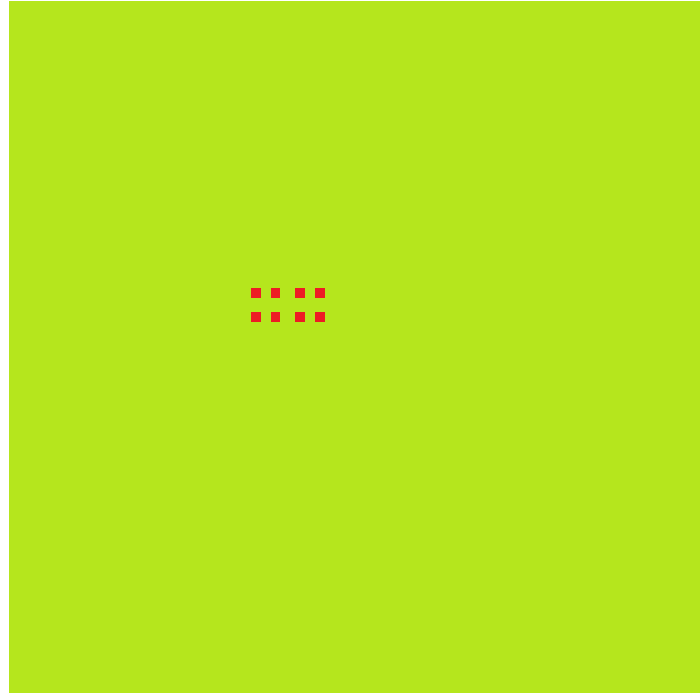
- Method: Neo hybrid swarm (Badgersett)



# Method in a nutshell



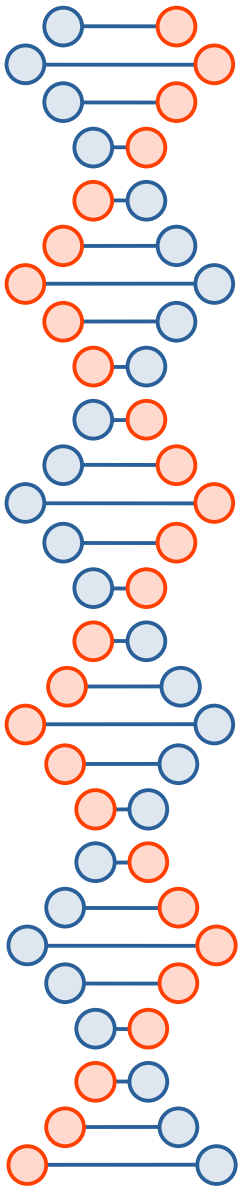
- Mimic natural hybridisation
- Select two traits
- Plant 5000, select 8
  
- Repeat





## Some desirable traits

- Precocity, early production of acorns
- Adaptation to cool summer
- Many acorns
- Large acorns
- Low tannin acorns
- Reduced masting habit



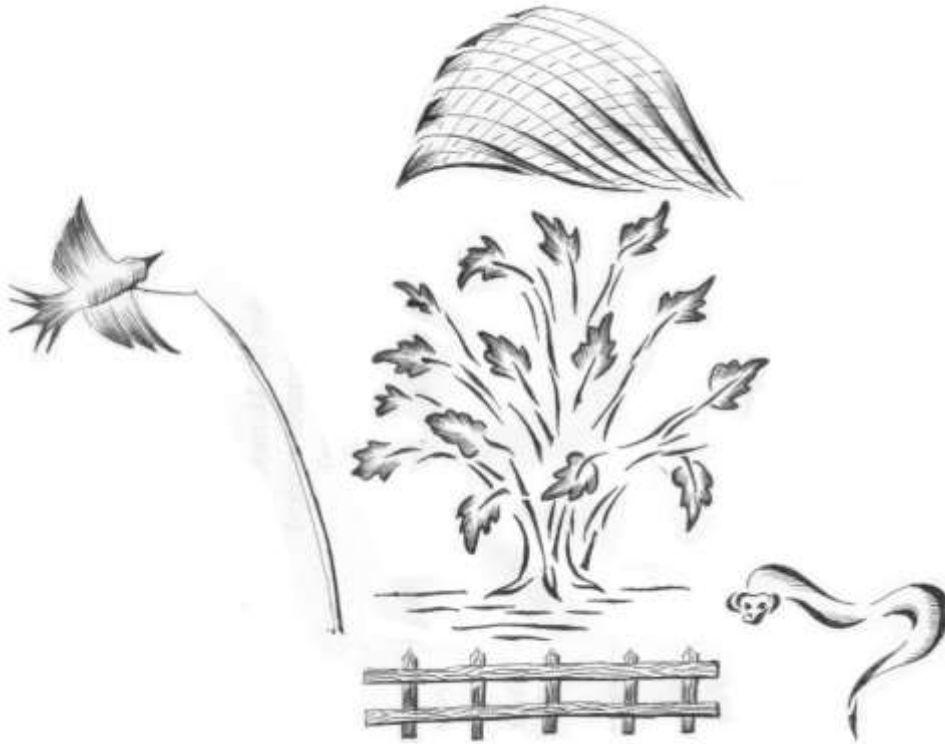
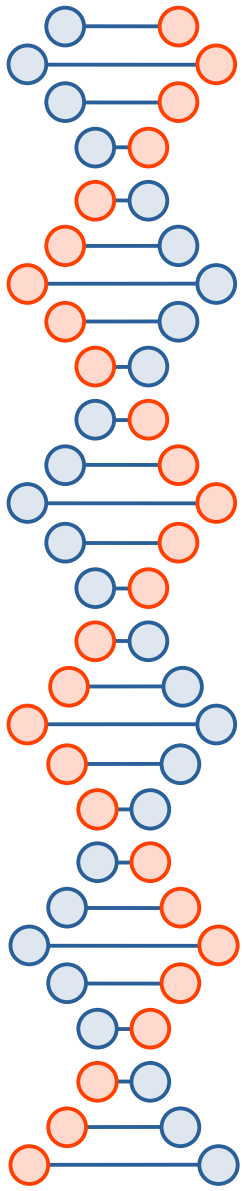
# How far along?

- 1st generation, mixing hybrids
- Selecting 2 traits
  - Hunters selected for traits
- Use roottraining (pic)
- Extra care for this generation

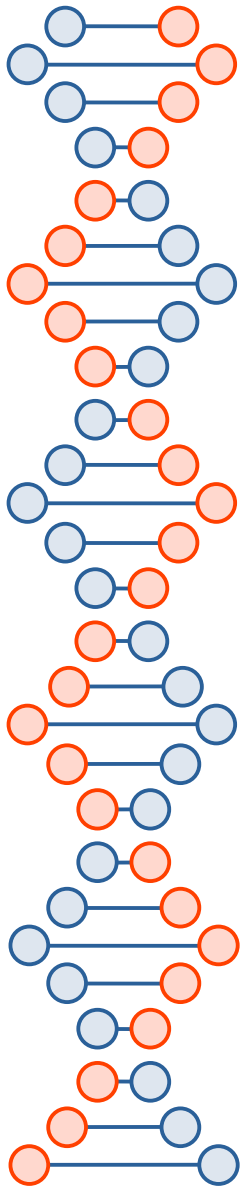


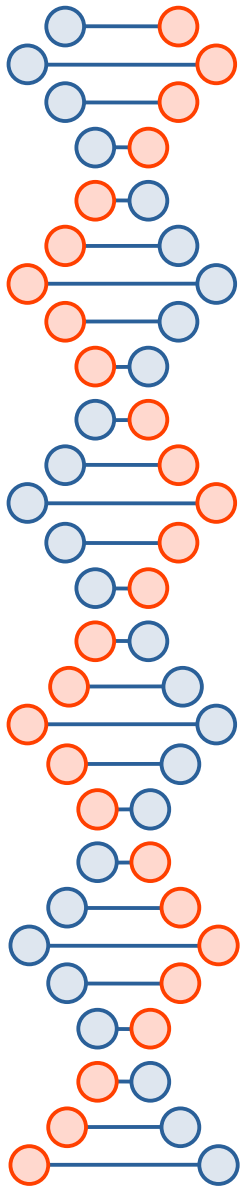


# Dwarf chinkapin oak









# Thanks!

- Got acorns?
- Tips?
- Other...
- 
- 
- 

