

# Barbara Scheat

## 1) Somatic Changes

- can enter into the germ line

## A) Dandelions - Lynn King

- apomictic - all seeds have same genotype as parents

- but lots of variation...

- Why?

① missing sexual reproduction

② multiple introductions

③ high somatic variability

## 1) rDNA -

- intergenic spacer has high variation w/in population & even w/in individuals

- known to undergo somatic recombination (e.g. *Drosophila*)

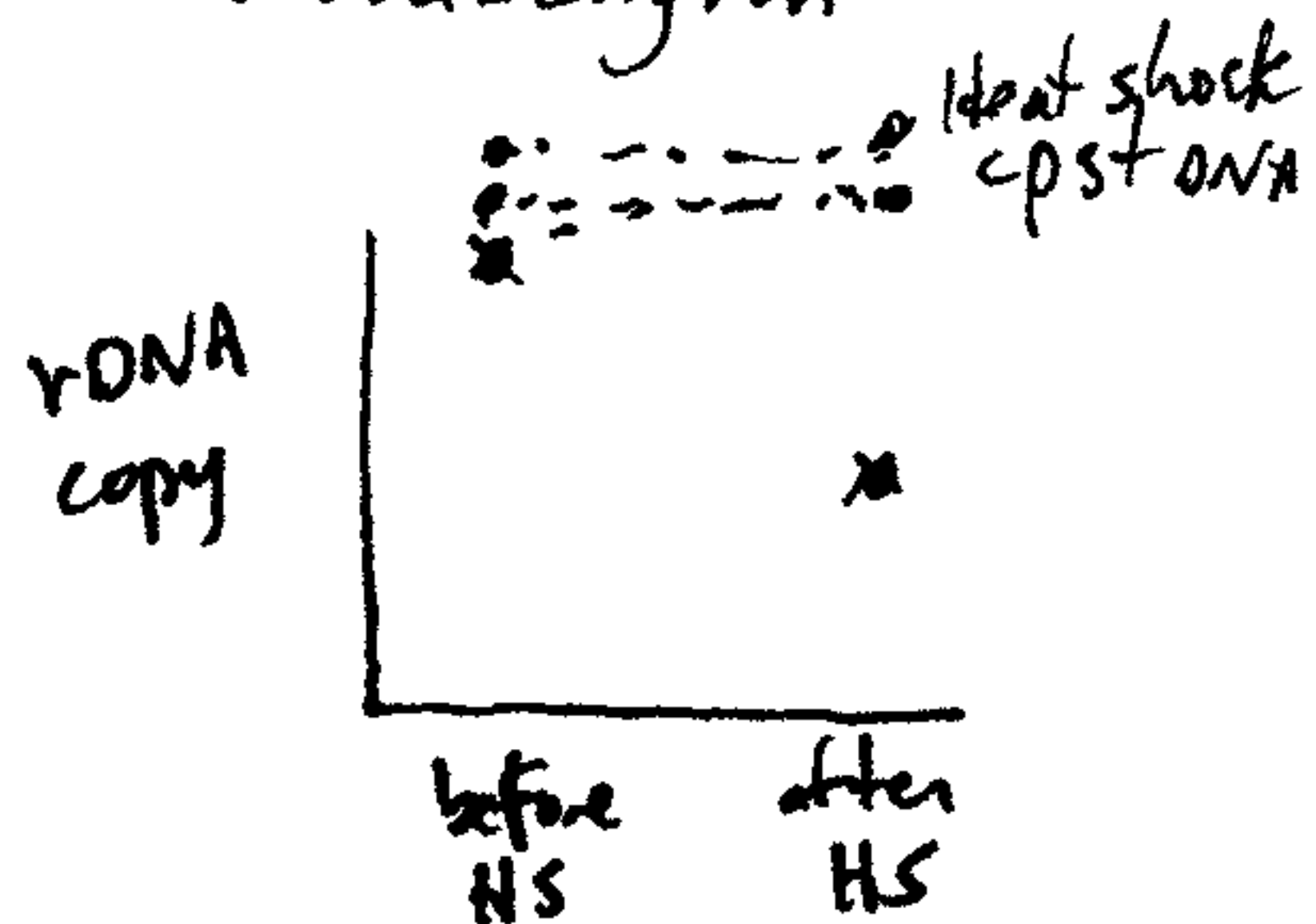
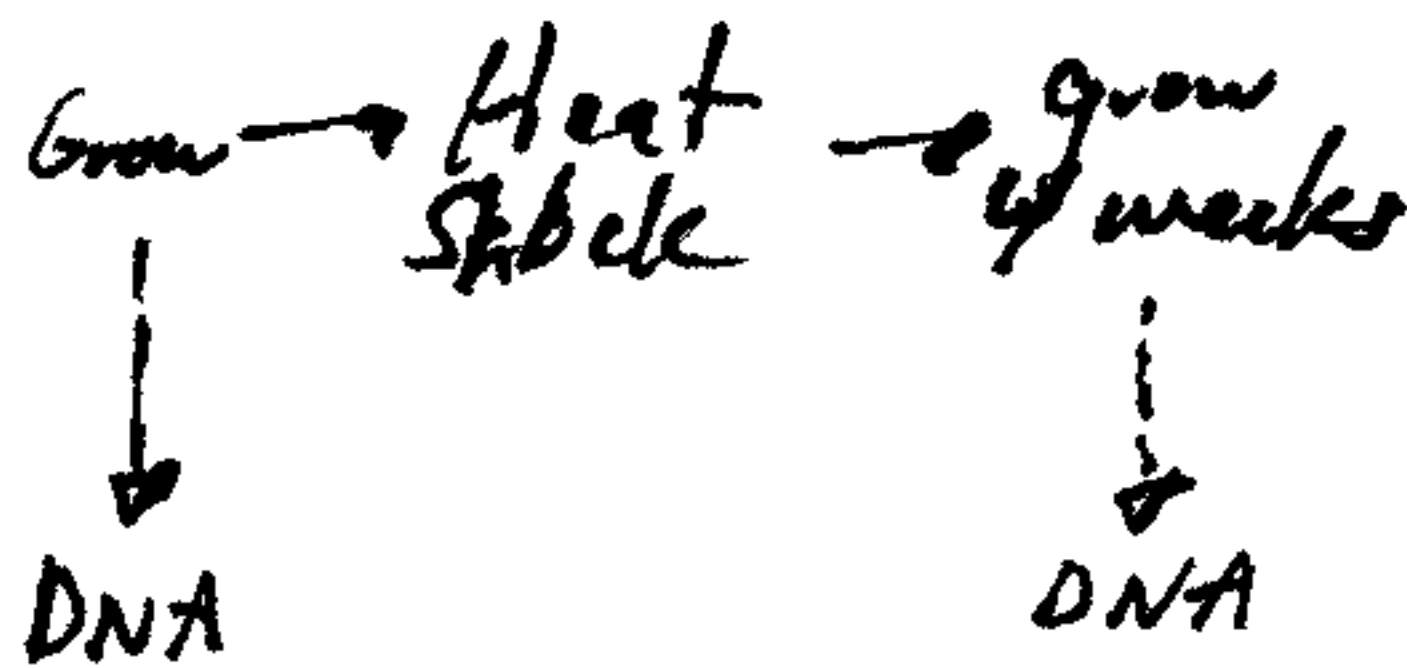
- loss of markers in offspring

## 2) ADH RFLP variation in offspring

## B) Flax

- phenotypic change associated in spec. environments is heritable... like Waddington

## C) Heat-Shock - Liz Waters



1) Is HS induced genomic change heritable  
- apparently not yes