

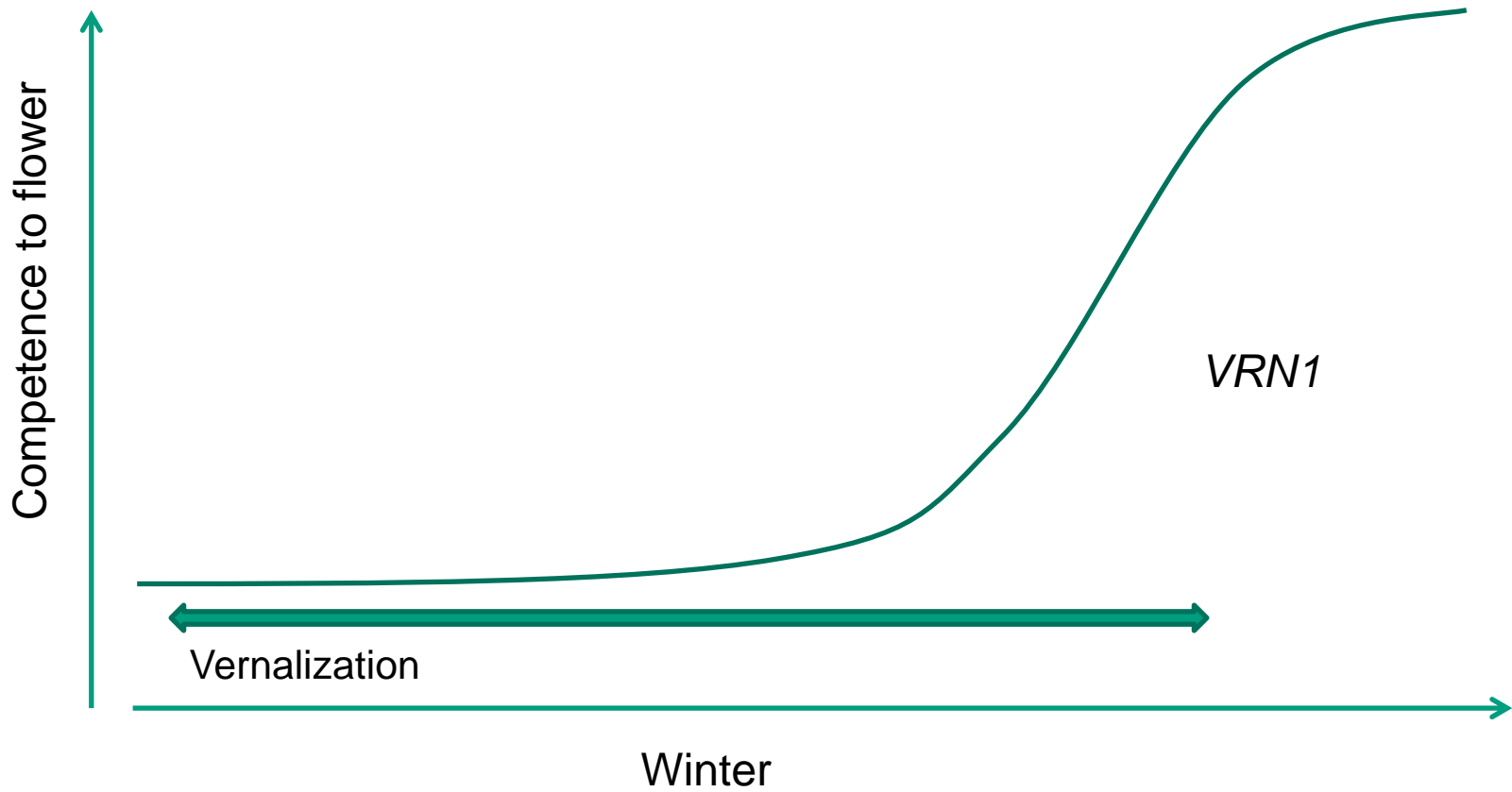
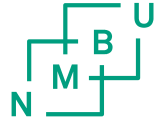
Connections between vernalization and freezing tolerance

- in a mapping family of meadow fescue

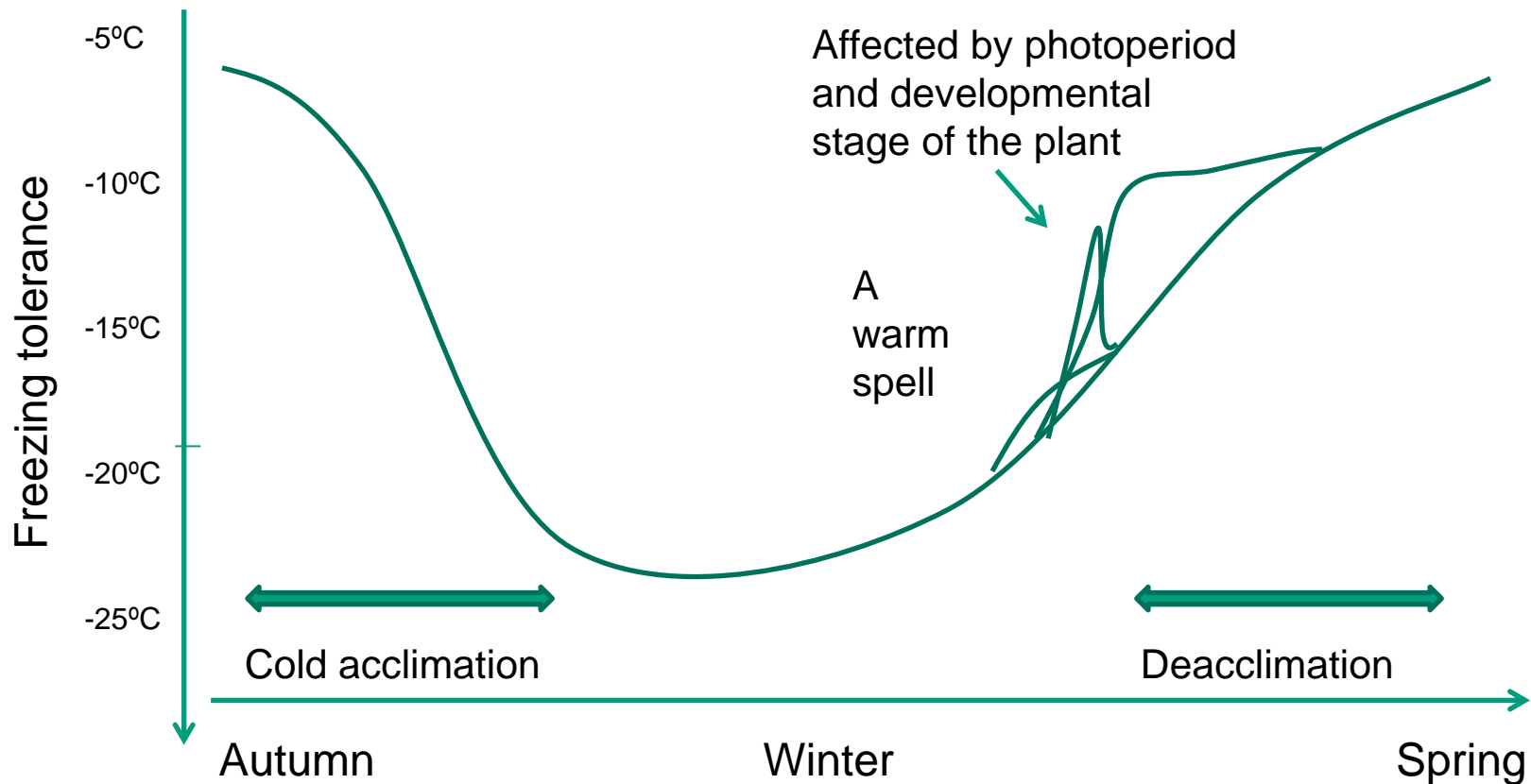
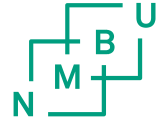
Åshild Ergon

Lillehammer 29.01.2014

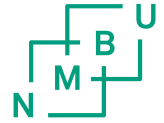
Vernalization: long-term cold makes plants competent to flower



The level of freezing tolerance varies throughout the year

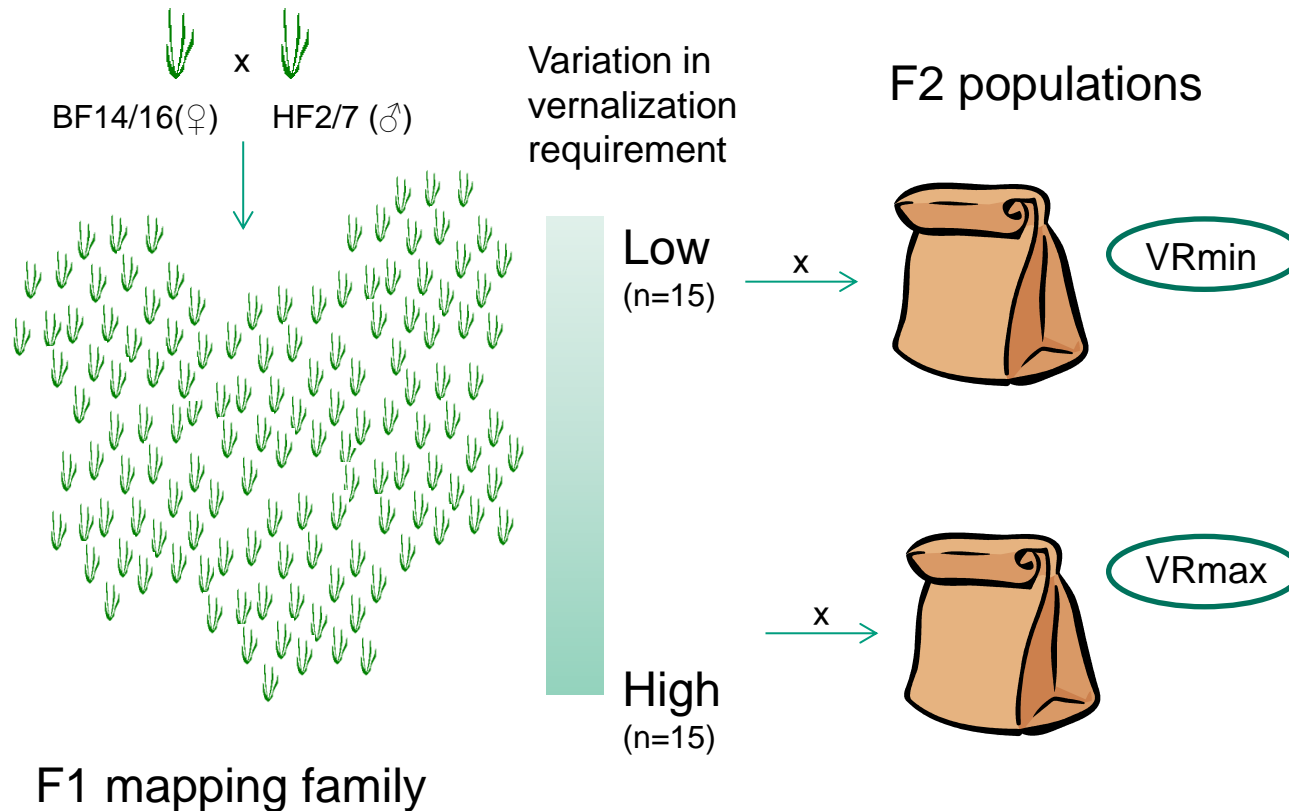
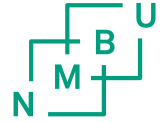


Causes of interaction between vernalization and freezing tolerance



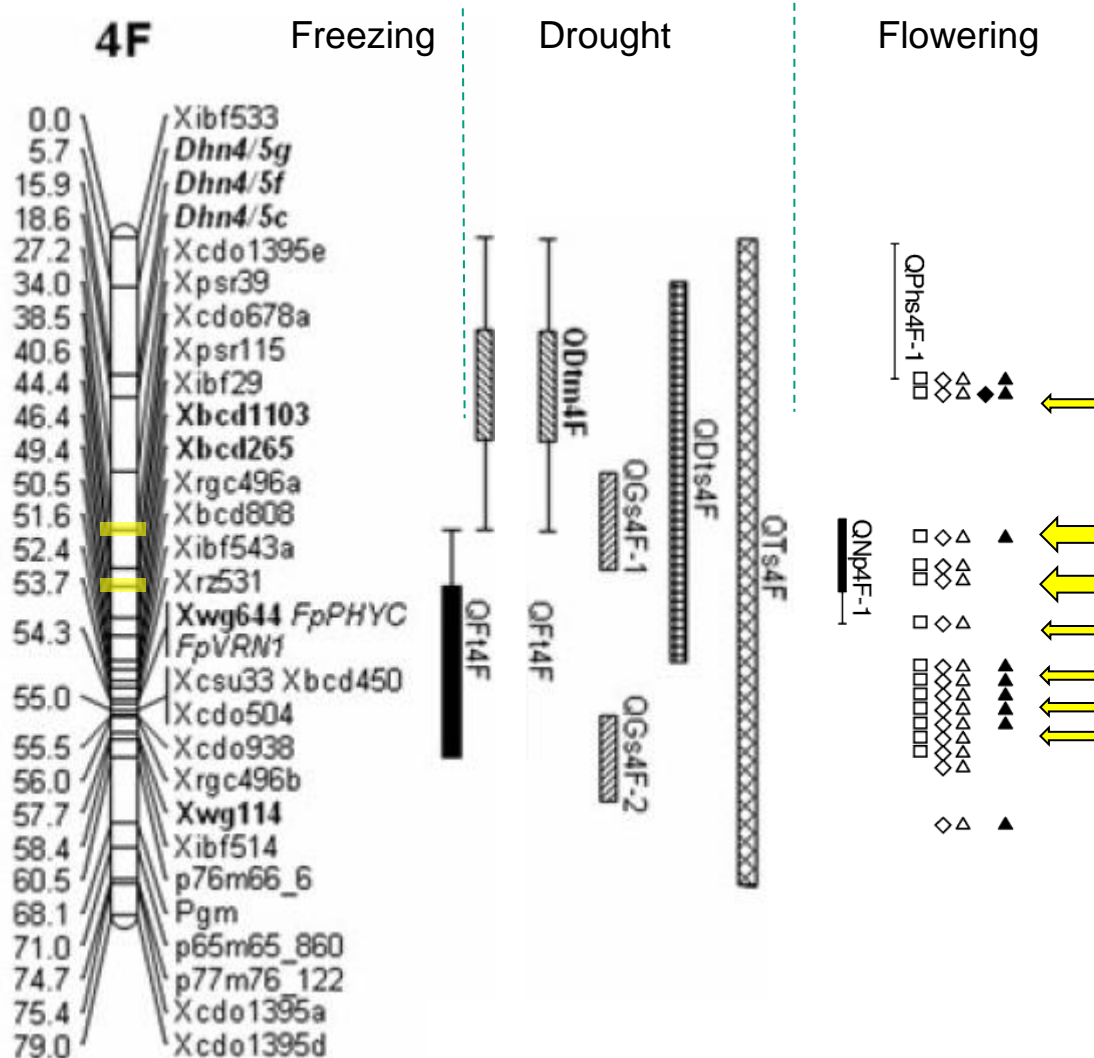
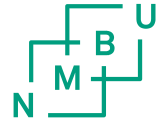
- Consequence of physiological changes related to growth and development?
- Gene interactions?
- Genetic linkage?

Plant material of *Festuca pratensis*

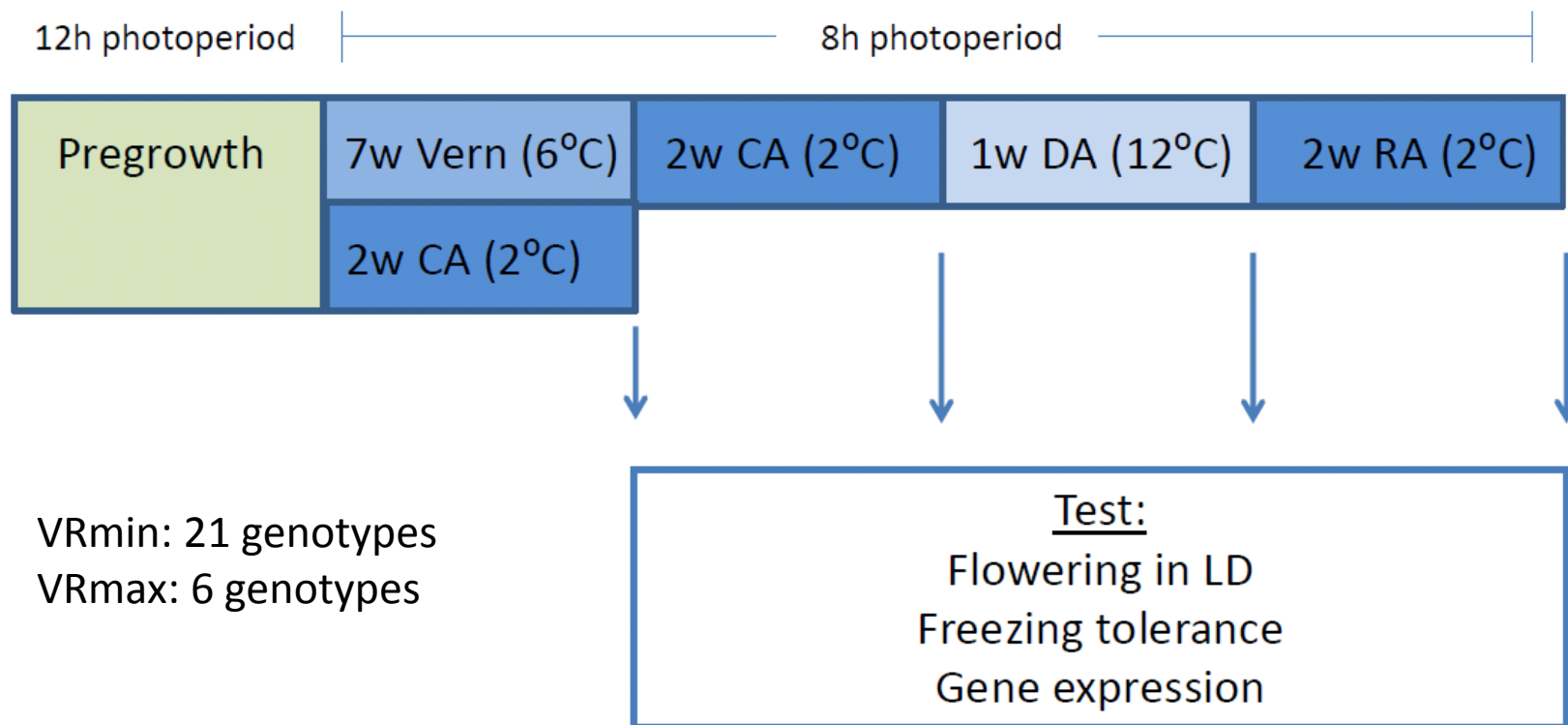


Alm et al. Theor Appl Gen 2003
Ergon et al. Theor Appl Gen 2006
Ergon et al. Biol Plant 2013

QTLs on chromosome 4



The experiment



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