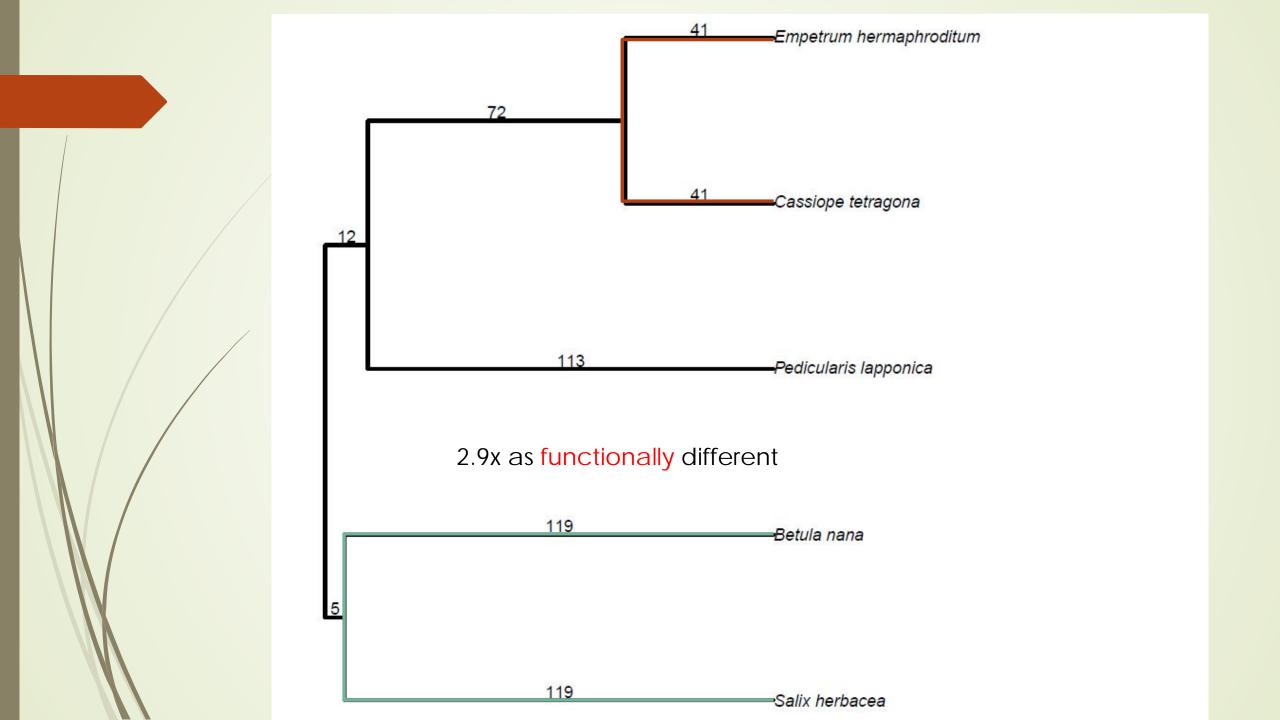
# A note on arctic phylogenetic community structure

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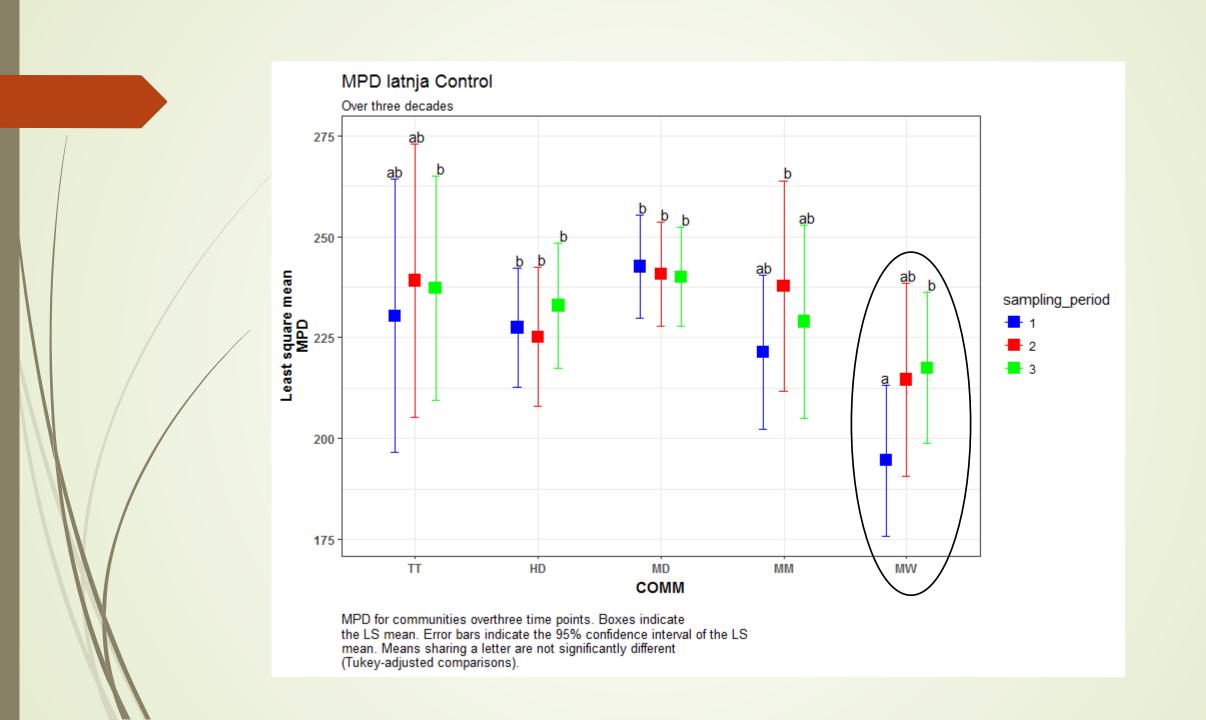




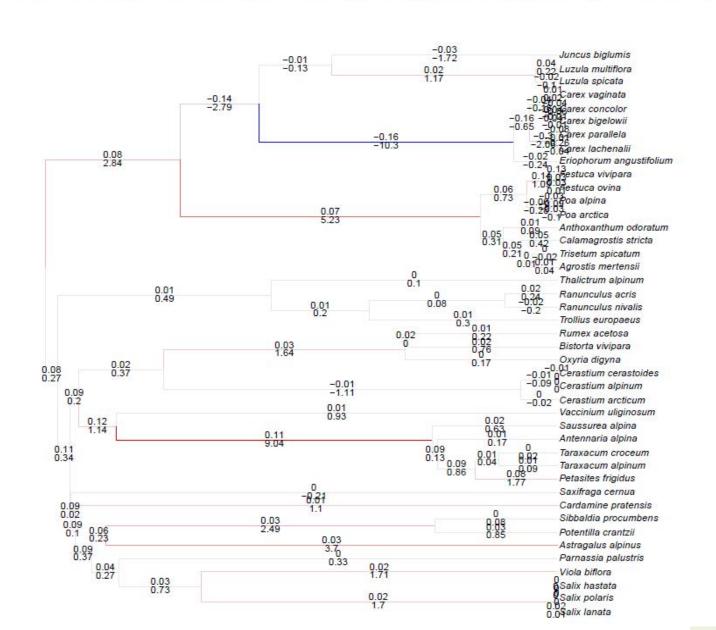
### Site

- Latnjajaure, mid alpine
- 5 communities
  - TT Tussock Tundra
  - HD Dry heath
  - MW Wet Meadow
  - MM Messic Meadow
  - MD Dry Meadow
- Looking at MPD
  - Treatment effect
  - Time effect on control





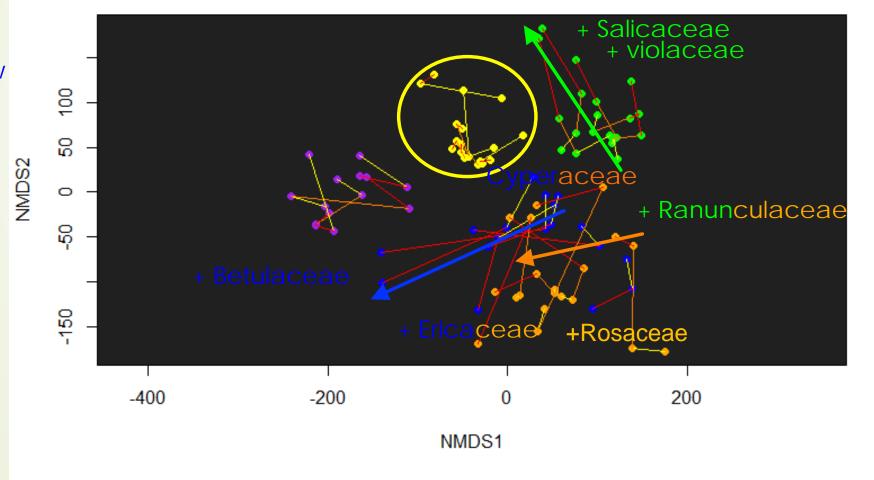
#### CTL MW period 1 vs period 3 gaining 46.31 mj losing -20.44 mj



## Phylogenetic Beta diversity

Dry heath
Tussock Tundra
Wet Meadow
Messic Meadow
Dry Meadow





#### future

- Look into ways to find "relevant" evolutionary time in phylogeny.
  - Past adaptations less relevant for current conditions.
    - Downweighting deeper times?
- Mixed model on beta diversity analyses.
  - Suggestions on how?
- Phylogenetic syntheses of ITEX data
  - DNA extracted for all plants
  - Will start assembly of first chloroplast genomes in september



# Sampling



