

# Notat

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PlantInnovation

Status på genetisk kortlægning af proteinindhold	Ansvarlig	NHKR
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## Phenotypic characterization of the populations derived from crosses between selected varieties

We monitored and scored the level of senescence of the derived populations at plot level, in the replicated field trial located on Fyn. We noted differences in senescence patterns between the different populations, and between the parental varieties. Based on last year's observations, we observed a connection between specific patterns for the progress of senescence and higher grain protein content.

The QTL mapping based on last year's results highlighted two genomic regions, on chromosomes 4A and 6A, with the region on chromosome 6A suggested by a preliminary analysis of this year's data as well.

The effect is visualized in the figure, where senescence is shown both for lines with high and low protein content.

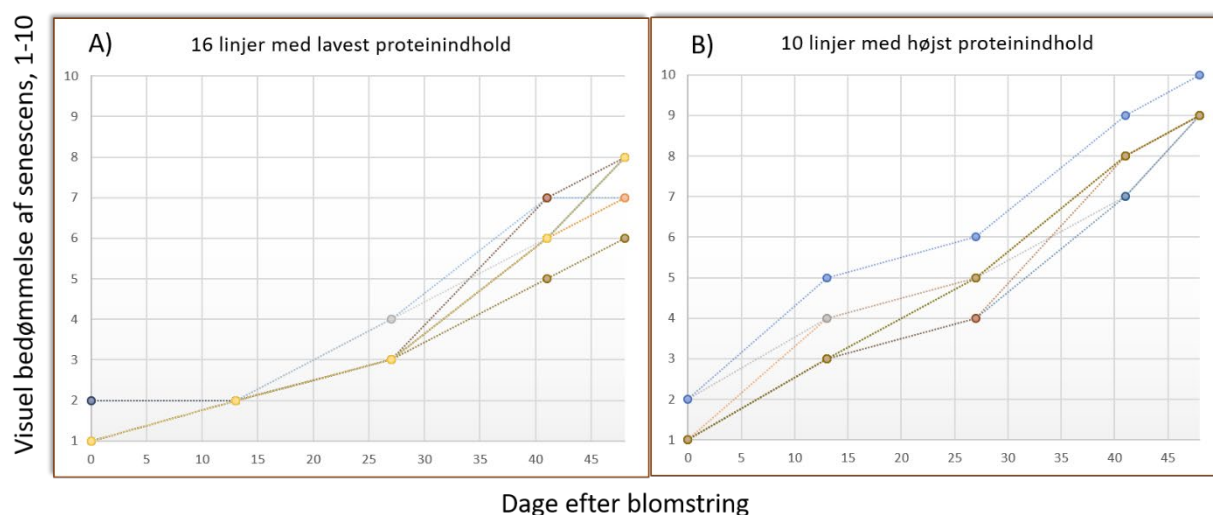


Figure. Scores of senescence (scale 1-10) in breeding lines with different protein content.