

Notat

Reviewartikel om genetik og proteinindhold i hvede	Ansvarlig	NHKR
	Oprettet	14-12-2021
	Side	1 af 1
Projekt: 7860, Opticrop		

Review: The genetics underlying wheat grain protein content – where are we heading?

Abstract

Wheat is one of the most important global crops and selection for better performance has been ongoing since ancient times. As a quantitative trait controlled by the interplay of several genomic loci and under the strong influence of the environment, grain protein content is of major interest in breeding programs. Here we review the most recent contributions to the genetics underlying wheat grain protein content and grain protein deviation (representing the association between grain protein content and yield), along with the performance of prediction models characterizing these traits. We further elaborate on the potential of employing new technologies for the improvement of grain protein content and grain protein deviation, highlighting future directions for wheat breeding programs.

Artiklen submittes til et videnskabeligt tidsskrift i januar. Den endelige artikel uploades til projektsitet, når den er godkendt, forventeligt i starten af 2022.