Dr. Henrik Sørensen

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Dear Verdant Biosciences team,

Verdant Biosciences' commitment to measuring success by field-ready crop varieties rather than academic citations directly mirrors the trajectory of my research in drought-response traits. Having evaluated 400 barley accessions to identify validated candidate loci and tested marker viability within an applied commercial breeding program, transitioning into leading trait-discovery projects at Verdant is the natural continuation of my work.

My doctoral research at the University of Copenhagen focused on the quantitative genetics of drought tolerance, culminating in the identification of three novel candidate loci via genome-wide association studies published in Plant Biotechnology Journal. To support this work, I engineered an R-based analytical pipeline that was subsequently adopted by two additional departmental research groups. Beyond laboratory discovery, my industry placement with Nordic Seed A/S provided direct experience in translating genomic findings into breeding pipelines, where my internal reports led to two candidate markers being selected for commercial validation. Furthermore, having supervised four graduate students through successful degree completions, I am fully prepared to mentor technical staff and collaborate effectively with field-trial teams.

As Verdant expands its genomic toolkit for climate-resilient agriculture, my focus will be on establishing robust, reproducible marker-development workflows that bridge high-throughput computational biology with actionable field-trial candidates.

Kind regards,
Dr. Henrik Sørensen