

## Investigating the intricacies of auxin signaling mechanisms in algae

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Exploration of a transcription factor related to IAA-inducible gene expression in K. nitens. (a) Comparison of the abundance of all 6-mer nucleotide sequences in the 1-kb region –900 to + 100 (relative to the transcription start site) between IAA-upregulated and IAA-non-responsive genes. The P-value for each 6-mer sequence was calculated with the hypergeometric test. (b) Quantification of GUS activity driven by the KnLBD1 promoter in N. benthamiana leaves. Effector proteins were KnRAV and GFP (negative control). The y axis represents GUS activity on a log2 scale. Error bars represent SD of values for five replicates. \*P



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