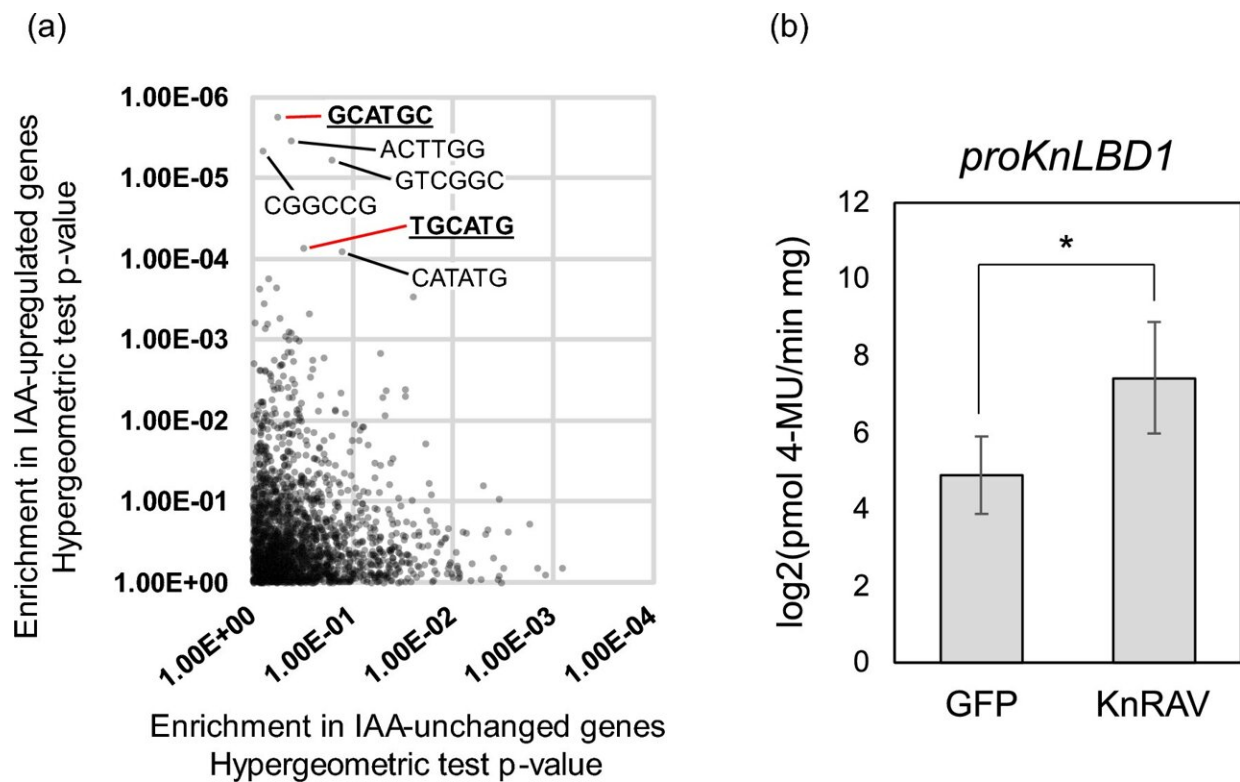


Investigating the intricacies of auxin signaling mechanisms in algae

June 26 2023



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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