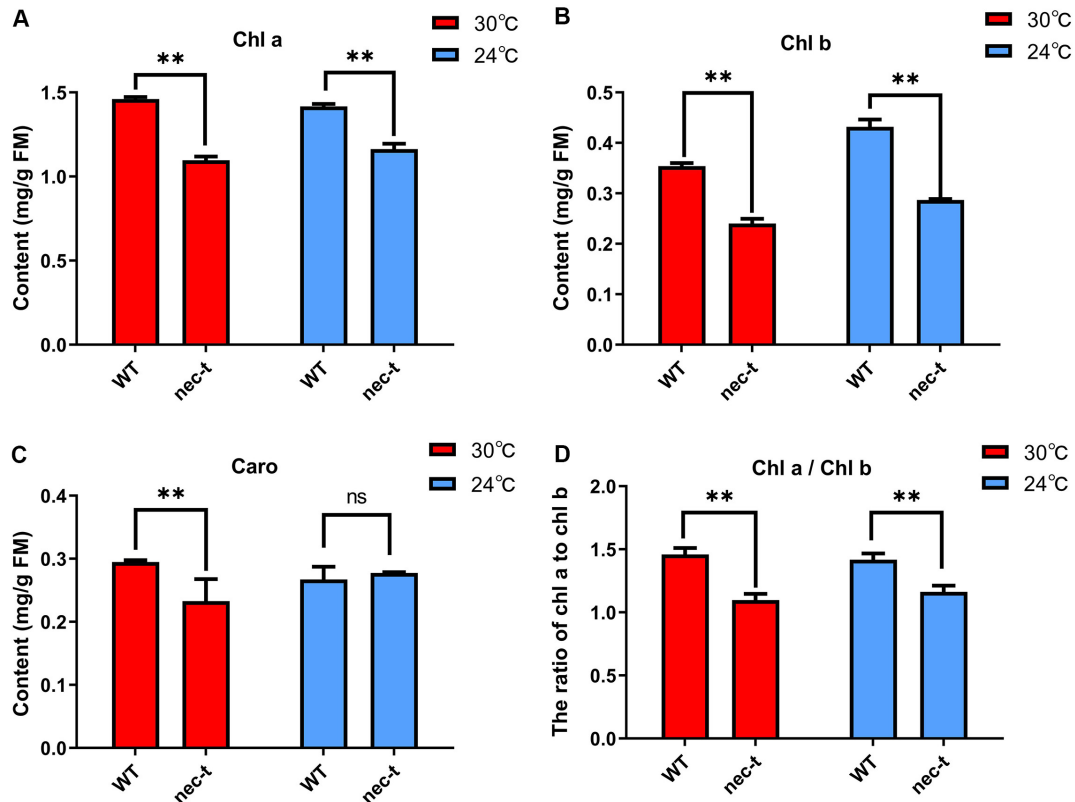


Article title: A Maize *necrotic leaf* mutant Caused by Defective of Coproporphyrinogen III Oxidase in the porphyrin pathway

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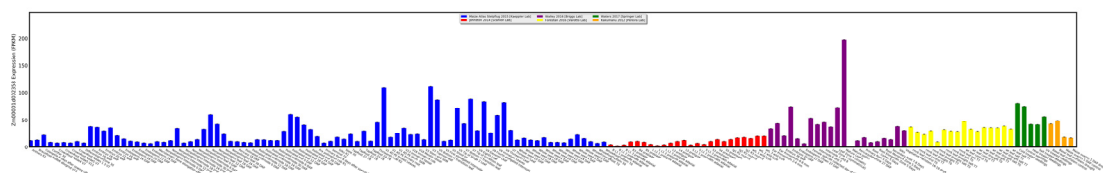
Supplementary Figures



Supplementary Figure S1. Photosynthetic pigment content in the leaves of WT and *nec-t* mutant plants under different temperatures. (A) Chl a content at different temperatures. (B) Chl b content at different temperatures. (C) Caro content at different temperatures. (D) The ratio of chl a to chl b under different temperature conditions. Error bars indicating SD were obtained from three biological repeats. ** $P < 0.01$ (Student's t-test), NS $P > 0.01$ (Student's t-test).



Supplementary Figure S2. Allelic complementation analysis. (A) Phenotype of the *nec4* mutant; (B) Phenotype of the *nec-t* mutant; (C) Phenotype of mutant plants from the filial generation produced from *nec4* and *nec-t* hybridization.



Supplementary Figure S3. The expression pattern of *necrotic4* from the publicly available Maize Gene Expression database (qTell). Different colors represent different processing conditions.