

[10.1071/FP22252](https://doi.org/10.1071/FP22252)

*Functional Plant Biology*

### Supplementary Material

#### **Response of waxy maize (*Zea mays*L.var. *ceratina* Kulesh) leaf photosynthesis to low temperature during the grain-filling stage**

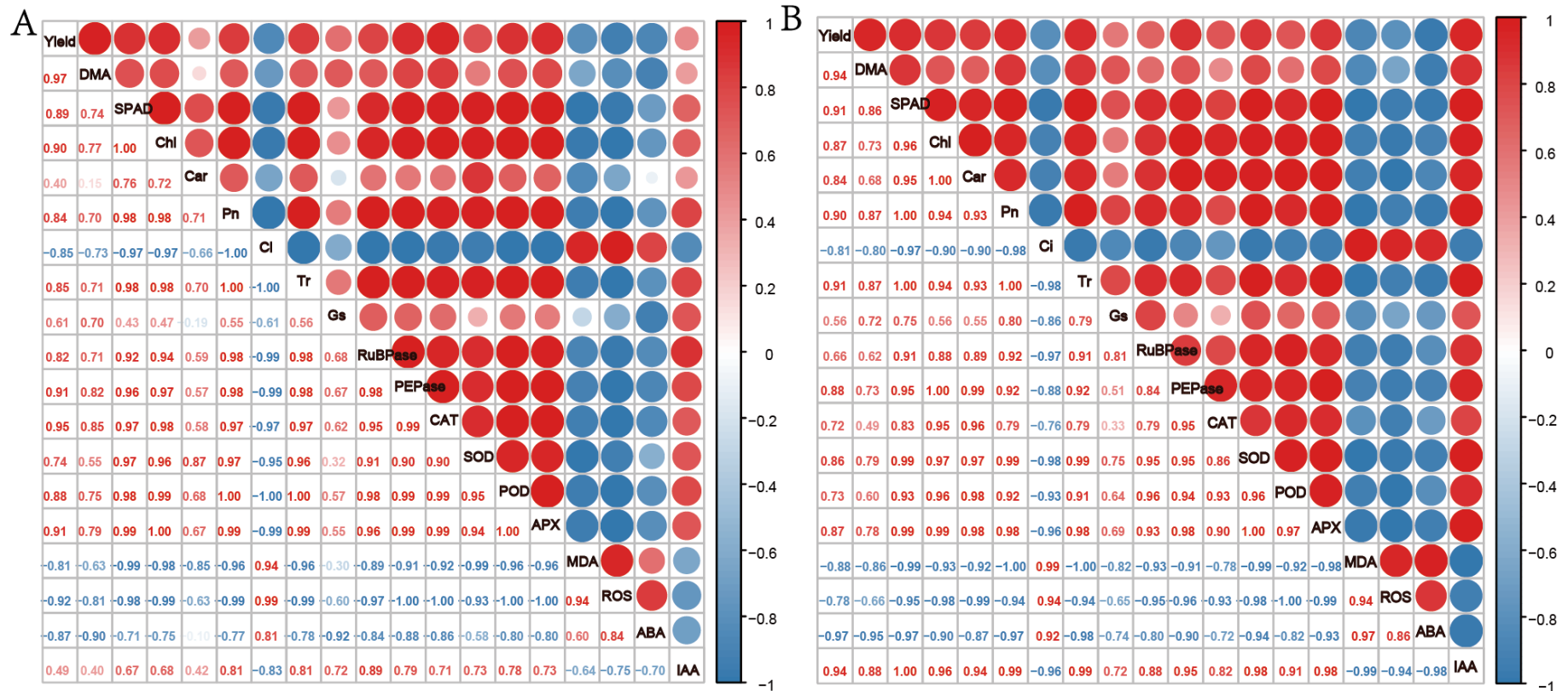
*Jian Guo*<sup>A,B</sup>, *Zitao Wang*<sup>A</sup>, *Qi Wei*<sup>A</sup>, *Guanghao Li*<sup>A,B</sup>, *Huan Yang*<sup>A,B</sup>, and *Dalei Lu*<sup>A,B,C,\*</sup>

<sup>A</sup>Jiangsu Key Laboratory of Crop Genetics and Physiology/Jiangsu Key Laboratory of Crop Cultivation and Physiology/Agricultural College, Yangzhou University, Yangzhou 225009, P. R. China.

<sup>B</sup>Jiangsu Co-Innovation Center for Modern Production Technology of Grain Crops, Yangzhou University, Yangzhou 225009, P. R. China.

<sup>C</sup>Joint International Research Laboratory of Agriculture and Agri-Product Safety of the Ministry of Education, Yangzhou University, Yangzhou 225009, P. R. China.

\*Correspondence to: Dalei Lu Agricultural College of Yangzhou University, Yangzhou 225009, P. R. China  
Email: [dllu@yzu.edu.cn](mailto:dllu@yzu.edu.cn)



**Supplementary Fig. S1** The Pearson correlation matrix between grain yield, dry matter accumulation after silking, and leaf related parameters under LT stress. A, Suyunuo 5; B, Yunuo 7. DMA, dry matter accumulation; Chl, chlorophyll; Car, carotenoid; Pn, photosynthetic rate; Ci, intercellular CO<sub>2</sub> concentration; Tr, transpiration rate; Gs, stomatal conductance; RuBPase, ribulose-1,5-bisphosphate carboxylase; PEPase, phosphoenolpyruvate carboxylase; CAT, catalase; SOD, superoxide dismutase; POD, peroxidase; APX, ascorbate peroxidase; MDA, malondialdehyde; ROS, reactive oxygen species; ABA, abscisic acid; IAA, indole acetic acid.