## SUPPLEMENTARY FIGURES

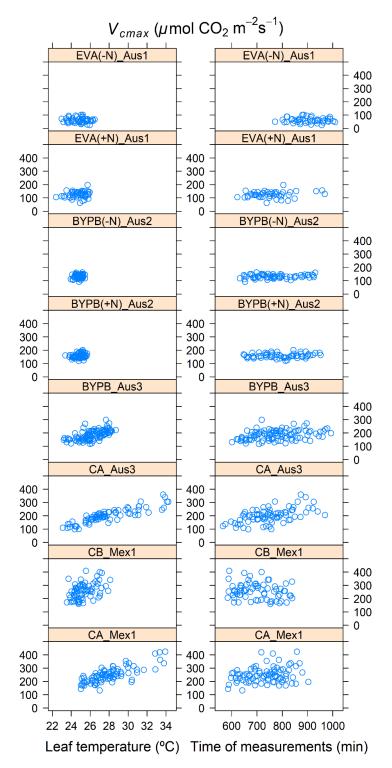


Fig. S1 Variation of  $V_{cmax}$  without temperature correction in relation to leaf temperature and time. Measurements started around 10:00 h (600 min) and finished 16:00 h (1000 min).

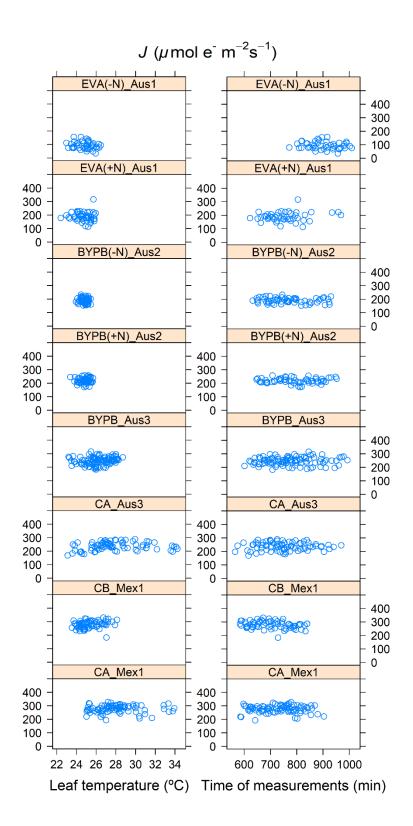


Fig. S2 Variation of *J* without temperature correction in relation to leaf temperature and time. Measurements started around 10:00 h (600 min) and finished 16:00 h (1000 min).

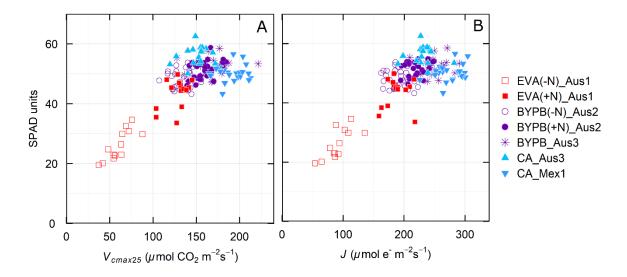


Fig. S3 SPAD as a function of A)  $V_{cmax25}$ , and B) J for wheat genotypes grown in different environments and measured at different stages as described (see Fig. 1 I,D,E). Symbols represent means of each genotype.

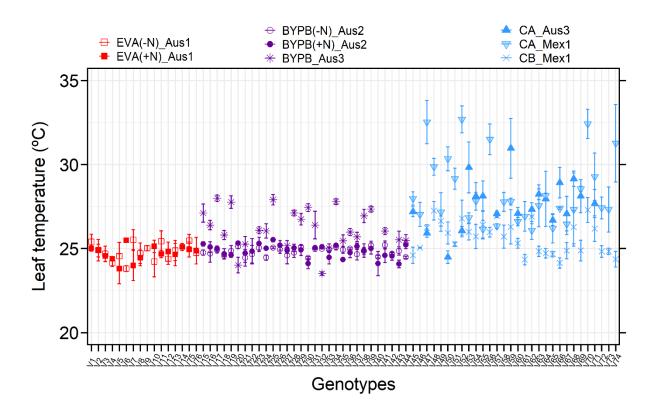


Fig. S4 Leaf temperature extracted from LI-6400XT for wheat plants measured in the glasshouse (Aus1 and Aus2) and in the field (Aus3 and Mex1). Genotype list is in table S1 and table S2.

