

## ***Supplementary Material***

# **Drought responsiveness in six wheat genotypes: identification of stress resistance indicators**

**Asma Guizani<sup>1\*</sup>, Hend Askri<sup>2</sup>, Maria Laura Amenta<sup>3</sup>, Roberto Defez<sup>3</sup>, Elyes Babay<sup>4,5</sup>, Carmen Bianco<sup>3\*</sup>, Nicoletta Rapana<sup>6</sup>, Mariella M Finetti-Sialer<sup>6</sup>, Fatma Gharbi<sup>1</sup>**

<sup>1</sup>Laboratory of Mycology, Pathologies and Biomarkers LR16ES05, Faculty of Sciences of Tunis, 2092 Tunis, University of Tunis El Manar, Tunis, Tunisia;

<sup>2</sup>Laboratory of Valorization of Non-Conventional Water (LR16INRGREF02), National Institute of Rural Engineering, Water and Forestry, Carthage University, Tunis 1004, Tunisia;

<sup>3</sup>Institute of Biosciences and BioResources, Via P. Castellino 111, 80131 Naples, Italy;

<sup>4</sup>National Gene Bank of Tunisia (BNG), Tunis, Tunisia;

<sup>5</sup>Agricultural Applied Biotechnology Laboratory (LR16INRAT06), Institut National de la Recherche Agronomique de Tunisie (INRAT), University of Carthage, Tunis, Tunisia.

<sup>6</sup>Institute of Biosciences and BioResources, Via G. Amendola 165/A, Bari, Italy

**\*Correspondence:**

Carmen Bianco, [carmen.bianco@ibbr.cnr.it](mailto:carmen.bianco@ibbr.cnr.it)

Asma Guizani, [guizani\\_asma9@yahoo.fr](mailto:guizani_asma9@yahoo.fr)

## 1 Supplementary Tables

**Table S1.** P-values obtained from two-way analyses of variance (ANOVA) carried out for all studied parameters.

Parameters	P value Treatment	P value Genotype	P value G*T interaction
$\Psi_{\pi}^{100}$	$p < 0.001$	$p < 0.005$	$p > 0.05$
$\Psi_{\pi}^0$	$p < 0.001$	$p < 0.05$	$p < 0.05$
RWC <sub>0</sub>	$p > 0.05$	$p > 0.05$	$p > 0.05$
AWC	$p < 0.001$	$p < 0.01$	$p < 0.001$
$\xi_{\text{max}}$	$p < 0.001$	$p < 0.001$	$p < 0.001$
Proline	$p < 0.001$	$p < 0.001$	$p < 0.001$
Sucres	$p < 0.001$	$p < 0.001$	$p < 0.001$
Na <sup>+</sup>	$p > 0.05$	$p > 0.05$	$p > 0.05$
K <sup>+</sup>	$p > 0.05$	$p < 0.001$	$p < 0.05$
Ca <sup>2+</sup>	$p > 0.05$	$p < 0.001$	$p > 0.05$
Ci	$p < 0.01$	$p > 0.05$	$p > 0.05$
E	$p < 0.05$	$p < 0.001$	$p < 0.001$
gs	$p < 0.01$	$p < 0.001$	$p < 0.005$
A	$p < 0.001$	$p < 0.001$	$p < 0.001$
WUE	$p < 0.001$	$p < 0.001$	$p < 0.001$
iWUE	$p < 0.01$	$p > 0.05$	$p > 0.05$
LA	$p < 0.001$	$p < 0.001$	$p < 0.005$
Chl	$p < 0.001$	$p > 0.05$	$p < 0.05$
SD <sub>(lower)</sub>	$p < 0.001$	$p < 0.001$	$p < 0.001$
SD <sub>(upper)</sub>	$p < 0.001$	$p < 0.05$	$p < 0.001$
MDA	$p < 0.001$	$p < 0.001$	$p < 0.001$
EL	$p < 0.001$	$p < 0.001$	$p < 0.001$
BY	$p < 0.001$	$p < 0.001$	$p < 0.001$
GY	$p < 0.001$	$p < 0.001$	$p < 0.05$
GN	$p < 0.001$	$p < 0.001$	$p < 0.05$
TGW	$p < 0.001$	$p < 0.001$	$p < 0.01$
AAO	$p < 0.001$	$p < 0.001$	$p < 0.001$
PIP2:1	$p < 0.001$	$p < 0.001$	$p < 0.001$

