**S5 File.** **Statistics of stomatal conductance.** Statistical analysis of the drought stress experiment as a function of the stomatal conductance values.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **HOMOGENEITY OF VARIANCE** | | | | | |
| Bartlett | | X2 = 399.466\*\* | | P < 0.01 | |
| **NORMALITY OF DATA** | | | | | |
| Lilliefors | | D = 0.2038 \*\* | | P < 0.01 | |
| **ANALYSIS OF VARIANCE** | | | | | |
| ANOVA (F) | | F = 62.99 *\*\** | | P < 0.0001 | |
| Kruskal-Wallis | | H = 280.63 \*\* | | P < 0.0001 | |
| **CONTRAST OF MEAN** | | | | | |
| Drought stress + Irradiance1 | Mean2 | Tukey | t | Dunn | SNK |
| T1 - Control + 1400 | 0.122 | a | a | a | a |
| T2 - Moderate + 1400 | 0.029 | b | b | b | b |
| T3 - Severe + 1400 | 0.017 | b | b | b | c |

1 Irradiance value in μmol of photons s-1 m-2

2 Mean value in mol m-2 s-1

\*\* Significance level α = 0.01