Table S2: Mean values of yield traits, spike length (cm), seed length (mm), seed width (mm), seed area (mm2), number of seeds/plant, seeds weight/plant (g) and 1000-seed weight (TSW) (g) for the five tasted barley genotypes under control and salinity treatment conditions.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|    |   | **Ardhaoui**  | **Kounouz** | **Lemsi** | **Manel** | **Rihane** |
| **Spike length (cm)** | **Control** | 5.58\*\*b | 4.66\*c | 4.20\*\*c | 4.74\*\*bc | 5.14\*\*bc |
|   | **Treatment** | 2.86a | 3.23a | 2.86a | 3.13a | 3.57a |
| **Seed Length (mm)** | **Control** | 10.93nsa | 8.69\*b | 8.43\*b | 9.13\*b | 10.54nsa |
|   | **Treatment** | 10.61c | 7.99d | 7.76d | 8.40d | 10.27c |
| **Seed Width (mm)** | **Control** | 3.07\*a | 3.21nsab | 3.04nsa | 3.33nsb | 3.10nsa |
|   | **Treatment** | 2.84c | 3.05d | 2.89c | 3.17d | 3.06d |
| **seed Area (mm2** **)** | **Control** | 22.71\*a | 18.37\*c | 17.36\*c | 20.06\*b | 22.11\*a |
|   | **Treatment** | 20.41d | 16.53e | 15.62e | 18.05f | 16.52e |
| **N. Seeds/plant**  | **Control** | 89.67\*\*a | 87.20\*\*a | 101.20\*\*ab | 100.20\*\*ab | 117.11\*\*b |
|   | **Treatment** | 14.90c | 14.71c | 6.10d | 16.14c | 36.29e |
| **Seeds Weight (g)** | **Control** | 2.52\*\*a | 2.87\*\*a | 2.79\*\*a | 2.97\*\*a | 3.76\*\*b |
|   | **Treatment** | 0.33c  | 0.45c | 0.14d | 0.55c | 1.29d |
| **TSW (g)** | **Control** | 29.40\*\*f | 33.00\*e | 27.76\*\*f | 37.34\*\*e | 35.22nse |
|   | **Treatment** | 18.19a | 28.36c | 15.92a | 24.61b | 31.18d |

Red stars and non-significant ‘ns’ show the significant differences between the control and salinity treatment for each genotype. Black letters show the significant differences among the genotypes and genotypes-treatment interactions. Significant differences has been calculated using R 3.5.3.