Suppl. Table 1. Mean squares obtained from variance analysis of examined parameters for the effect of in maize subspecies in drought stress.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Source | DF | RWC | LOT | PRO | SPR | MD% | MDI | MDA | H2O2 | SOD | APX | CAT | HSP70 | HSP90 |
| Maize subspecies (M) | 2 | 231.4\*\* | 201.11\*\* | 249.68\*\* | 66186\*\* | 96.77\* | 42.92\* | 22.79\*\* | 1507.67\*\* | 0.02\*\* | 0.46\*\* | 0.05\*\* | 3.44\*\* | 134.30\*\* |
| Drought stress (D) | 2 | 2844.0\*\* | 2273.11\*\* | 173.33\*\* | 901878\*\* | 312.64\*\* | 199.55\*\* | 76.81\*\* | 341.75\*\* | 0.06\*\* | 0.43\*\* | 0.40\*\* | 0.11ns | 83.28\*\* |
| M × D | 4 | 676.5\*\* | 550.46\*\* | 323.84\*\* | 25507\*\* | 52.33ns | 34.69ns | 12.21\*\* | 11.74\* | 0.01ns | 0.10\*\* | 0.02\*\* | 1.02ns | 97.86\*\* |
| Error | 18 | 10.8 | 13.71 | 0.93 | 2063 | 23.13 | 14.88 | 2.71 | 4.28 | 0.003 | 0.004 | 0.001 | 0.54 | 12.46 |

\* = p ≤ 0.05, \*\* = p ≤ 0.001, ns = not significant, RWC: relative water content, LOT: loss of turgidity, SPR: soluble protein content, MDA: malondealtehit content, H2O2: hydrogen peroxide content, SOD: superoxide dismutase activity, APX: ascorbate peroxidase activity, CAT: catalase activity, HSP70: HSP70 gene expression level, HSP90: HSP90 gene expression level