**Supplementary Table 1**. Two-way ANOVA and genotype to environment interaction of morphological traits at the seedling stage.

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| --- | --- | --- | --- | --- | --- |
| **Characters** | **Source of variation** | **Genotype (G)** | | **Waterlogging Stress (E)** | **Interaction** |
| SPAD | Df | | 142 | 1 | 142 |
| F-value | | 3.01 | 5.62 | 2.94 |
| Probability | | <0.05\*\*\*\* | <0.05\*\*\*\* | <0.05\*\*\*\* |
| Root length | F-value | | 8.49 | 5.2 | 6.6 |
| Probability | | <0.05\*\*\* | <0.05\*\*\* | <0.05\*\* |
| Shoot height | F-value | | 2.39 | 5.88 | 1.92 |
| Probability | | <0.05\*\*\*\* | <0.05\*\*\*\* | <0.05\*\*\* |
| Branches per plant | F-value | | 2.35 | 1.21 | 1.74 |
| Probability | | <0.05\*\*\*\* | <0.05\*\*\* | <0.05\* |

Where Df is the degree of freedom. \*, \*\*, \*\*\*, and \*\*\*\* represent the significant differences where the values ranged from 0.03, 0.002, 0.0002 and <0.0001, respectively.