**S1 Table. Analysis of variance across soybean cultivars, soil moisture stress treatments, and their interactions.**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Source | | |
| Biomass parameter | Treatment (Trt) | Cultivar (Cul) | Trt × Cul |
| Pod, no. plant-1 | \*\*\* | \*\*\* | NS |
| Seed, no. plant-1 | \*\*\* | NS | NS |
| Seed weight, mg seed-1 | \*\*\* | \*\* | NS |
| Yield, g plant-1 | \*\*\* | \*\* | \* |

†Results of the analysis of variance (ANOVA) indicated as \*, \*\*, \*\*\*, and NS representing significance at the *P* ≤ 0.05, *P* ≤ 0.01, *P* ≤ 0.001, and non-significant (*P* ≥ 0.05), respectively.