**S6 Table. Estimates of variance components and standard deviation (in parentheses) from prediction models for root dry mass**. The values must be multiplied by 10-3 to return to its correct magnitude.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Treatment** |  |  |  |  |  |
| ***GB*** |  |  |  |  |  |
| N stress | 6.03 (2.32) | 10.95 (3.59) | - | - | 5.25 (5.65) |
| N stress + *Azospirillum* | 18.12 (6.53) | 10.77 (3.16) | - | - | 47.76 (5.07) |
| ***GB + GE*** |  |  |  |  |  |
| N stress | 4.33 (1.94) | 8.48 (3.26) | 3.78 (1.55) | 8.98 (3.92) | 45.58 (6.11) |
| N stress + *Azospirillum* | 13.36 (5.98) | 8.48 (2.96) | 6.97 (3.03) | 9.02 (3.23) | 37.91 (5.08) |
| ***GK*** |  |  |  |  |  |
| N stress | 0.856 (0.75) | 10.45 (4.53) | - | - | 54.96 (5.82) |
| N stress + *Azospirillum* | 15.77 (8.16) | 11.49 (6.34) | - | - | 49.30 (5.16) |
| ***GK + GE*** |  |  |  |  |  |
| N stress | 0.52 (0.55) | 6.88 (3.74) | 0.84 (0.64) | 8.81 (4.06) | 51.42 (6.04) |
| N stress +  *Azospirillum* | 9.88 (8.79) | 10.74 (7.33) | 3.32 (4.89) | 12.39 (5.68) | 41.64 (5.49) |

: General Combining Ability (GCA), : Specific Combining Ability (SCA), : GCA x environment interaction, : SCA x environment interaction, and : residual. Prediction models: GB: GBLUP , GB + GE: GBLUP + GE, GK: Gaussian Kernel, and GK + GE: Gaussian Kernel + GE.