**S8 Table. Estimates of variance components and standard deviation (in parentheses) from prediction models for root average diameter**. The values must be multiplied by 10-4 to return to its correct magnitude.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Treatment** |  |  |  |  |  |
| ***GB*** |  |  |  |  |  |
| N stress | 2.75 (1.01) | 2.90 (0.78) | - | - | 8.38 (0.93) |
| N stress + *Azospirillum* | 5.69 (2.00) | 2.94 (0.84) | - | - | 11.30 (1.23) |
| ***GB + GE*** |  |  |  |  |  |
| N stress | 2.00 (0.87) | 2.29 (0.72) | 1.12 (0.48) | 2.21 (0.72) | 2.20 (0.96) |
| N stress + *Azospirillum* | 4.55 (1.90) | 2.26 (0.76) | 1.41 (0.63) | 2.30 (0.81) | 9.77 (1.30) |
| ***GK*** |  |  |  |  |  |
| N stress | 0.72 (0.76) | 4.16 (0.15) | - | - | 8.75 (0.99) |
| N stress + *Azospirillum* | 6.21 (2.66) | 2.60 (1.14) | - | - | 11.90 (1.25) |
| ***GK + GE*** |  |  |  |  |  |
| N stress | 0.34 (0.47) | 3.39 (1.50) | 0.36 (0.31) | 2.89 (1.25) | 7.36 (1.07) |
| N stress + *Azospirillum* | 5.83 (2.69) | 2.00 (1.24) | 0.30 (0.30) | 2.62 (1.06) | 10.70 (1.27) |

: 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.