Appendix S4.Relative importance metrics for multiple linear regression of traits important for biomass production to stem dry weight biomass (SDW). Each model describes the variance explained by predictor variables as a percentage of *R*2 (summed to 1). Relative contributions of individual predictors in each model are ranked based on confidence intervals (CI) produced using 1000 bootstrap replicates at a significance level of 95%.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | LMG | | | First | | | Last | | | Pratt | | |
| Trait | *R*2 | CI | Rank | *R*2 | CI | Rank | *R*2 | CI | Rank | *R*2 | CI | Rank |
| REC | 0.41 | 0.37–0.48 | a | 0.41 | 0.36–0.47 | a | 0.50 | 0.31–0.65 | a | 0.42 | 0.35–0.49 | a |
| MSL | 0.15 | 0.10–0.20 | bcd | 0.14 | 0.09–0.19 | bcd | 0.07 | 0.04–0.18 | bcdefg | 0.15 | 0.10–0.21 | bcd |
| SSL | 0.15 | 0.11–0.19 | bcd | 0.18 | 0.14–0.22 | bc | 0.10 | 0.05–0.18 | bcdefg | 0.14 | 0.11–0.18 | bcd |
| SSD | 0.12 | 0.09–0.16 | bcde | 0.15 | 0.11–0.19 | bcd | 0.07 | 0.03–0.14 | bcdefg | 0.12 | 0.09–0.15 | bcde |
| ASN | 0.07 | 0.04–0.11 | defg | 0.05 | 0.02–0.10 | efg | 0.09 | 0.04–0.17 | bcdefg | 0.07 | 0.04–0.11 | defg |
| PSN | 0.06 | 0.05–0.09 | efg | 0.04 | 0.02–0.08 | efg | 0.06 | 0.02–0.14 | cdefg | 0.06 | 0.05–0.08 | efg |
| SPD | 0.04 | 0.02–0.07 | efg | 0.02 | 0.01–0.05 | fg | 0.01 | 0.05–0.19 | bcdefg | 0.04 | 0.02–0.07 | efg |

*Note*: ASN = axial stem number; LMG = Lindeman, Merenda, and Gold analysis; MSL = mean stem length; PSN = primary stem number; REC = root electrical capacitance; SPD = SPAD; SSD = sum stem diameter; SSL = sum stem length.