**S4 Table. Individual estimated phenotypic correlations (under diagonal, *N* = 2,240) between traits and their significance for the combined data of well-watered and periodic drought-stress treatments, and family mean correlations between both treatments (in the diagonal and underlined, *N* = 100).**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | SDW | RDW | LDW | TDW | RCD | DEF | ABS | NSB | H | BS | DA | S |
| SDW | 0.65\*\*\* |  |  |  |  |  |  |  |  |  |  |  |
| RDW | 0.85\*\*\* | 0.57\*\*\* |  |  |  |  |  |  |  |  |  |  |
| LDW | 0.77\*\*\* | 0.79\*\*\* | 0.27\*\* |  |  |  |  |  |  |  |  |  |
| TDW | 0.95\*\*\* | 0.96\*\*\* | 0.89\*\*\* | 0.55\*\*\* |  |  |  |  |  |  |  |  |
| RCD | 0.48\*\*\* | 0.43\*\*\* | 0.34\*\*\* | 0.46\*\*\* | 0.27\* |  |  |  |  |  |  |  |
| DEF | -0.15\*\*\* | -0.25\*\*\* | -0.39\*\*\* | -0.26\*\*\* | -0.11\*\*\* | *ns* |  |  |  |  |  |  |
| ABS | *ns* | -0.09\*\* | -0.22\*\*\* | -0.09\*\* | 0.06\*\* | 0.49\*\*\* | *ns* |  |  |  |  |  |
| NSB | -0.05\* | -0.08\*\* | -0.11\*\*\* | -0.08\*\* | -0.06\*\* | 0.18\*\*\* | 0.06\* | 0.25\* |  |  |  |  |
| H | 0.76\*\*\* | 0.54\*\*\* | 0.53\*\*\* | 0.65\*\*\* | 0.5\*\*\* | 0.07\*\* | 0.16\*\*\* | *ns* | 0.73\*\*\* |  |  |  |
| BS | 0.38\*\*\* | 0.17\*\*\* | 0.29\*\*\* | 0.29\*\*\* | 0.18\*\*\* | *ns* | 0.09\*\* | *ns* | 0.58\*\*\* | 0.48\*\*\* |  |  |
| DA | -0.35\*\*\* | -0.27\*\*\* | -0.33\*\*\* | -0.34\*\*\* | -0.19\*\*\* | 0.18\*\*\* | 0.02ns | 0.05\* | -0.35\*\*\* | -0.51\*\*\* | 0.31\*\*\* |  |
| S | 0.18\*\*\* | 0.23\*\*\* | 0.08\*\* | 0.23\*\*\* | *ns* | *ns* | *ns* | *ns* | *ns* | -0.05\* | *ns* | 0.48\*\*\* |

*SDW*, stem dry weight; *RDW*,rootdry weight; *LWD*, leaf dry weight; *TWD*, total dry weight; *RDC*, root collar diameter; *DEF*,defoliation; *NSB* number of secondary branches; *H*, height; *BS*, bud set; *DA*, dry apex; *S*,survival

Significance levels: \*\*\* *p* < 0.001; \*\* *p* < 0.01; \* *p* < 0.05; *ns*, not significant