**Supplementary Table 3. Correlations coefficients (Pearson) between evaluated characteristics in regimes of sufficient and deficient phosphorus (sample size = 110).**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **SP** | **PRL** | **TRL** | **TSA** | **RAD** | **TRV** | **TRT** | **TRF** |
| **PRL** | 1 |  |  |  |  |  |  |
| **TRL** | 0.132 | 1 |  |  |  |  |  |
| **TSA** | 0.391\*\*\* | 0.608\*\*\* | 1 |  |  |  |  |
| **RAD** | -0.025 | -0.576\*\*\* | -0.112 | 1 |  |  |  |
| **TRV** | 0.384\*\*\* | 0.357\*\*\* | 0.681\*\*\* | 0.119 | 1 |  |  |
| **TRT** | 0.582\*\*\* | 0.177 | 0.470\*\*\* | -0.077 | 0.442\*\*\* | 1 |  |
| **TRF** | 0.307\*\*\* | 0.238\*\* | 0.513\*\*\* | 0.131 | 0.760\*\*\* | 0.365\*\*\* | 1 |
| **DP** | **PRL** | **TRL** | **TSA** | **RAD** | **TRV** | **TRT** | **TRF** |
| **PRL** | 1 |  |  |  |  |  |  |
| **TRL** | 0.108 | 1 |  |  |  |  |  |
| **TSA** | 0.294\*\* | 0.581\*\*\* | 1 |  |  |  |  |
| **RAD** | -0.163 | -0.445\*\*\* | -0.215\*\* | 1 |  |  |  |
| **TRV** | 0.173 | 0.550\*\*\* | 0.665\*\*\* | -0.164 | 1 |  |  |
| **TRT** | 0.379\*\*\* | 0.415\*\*\* | 0.590\*\*\* | -0.343\*\*\* | 0.502\*\*\* | 1 |  |
| **TRF** | 0.101 | 0.549\*\*\* | 0.561\*\*\* | -0.288\*\* | 0.816\*\*\* | 0.493\*\*\* | 1 |

(Where \*\* represents p*<*0.01 and \*\*\* represents p*<*0.001 at significance)

Where SP: sufficient phosphorus, DP: deficit phosphorus, TRL: total root length, TRV: total root volume, PRL: primary root length, TRT: total root tips, TSA: total root surface area, TRF: total root forks, RAD: root average diameter.