Supplementary Table 1: Correlation analysis of callus induction data and field phenotypic regeneration levels.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Correlation | Hypocotyl CI | Cotyledon CI | Shoot\_tip CI | Hypocotyl RR | Hypocotyl SR | Cotyledon RR | Cotyledon SR | Shoot\_tip RR | Shoot\_tip SR | Little NB | Medium NB  |
| Cotyledon CI | 0.92\*\* |  |  |  |  |  |  |  |  |  |  |
| Shoot\_tip CI | -0.14 | 0.01 |  |  |  |  |  |  |  |  |  |
| Hypocotyl RR | 0.16 | 0.21 | -0.08 |  |  |  |  |  |  |  |  |
| Hypocotyl SR | 0.60 \*\* | 0.48\*\* | -0.28 | 0.18 |  |  |  |  |  |  |  |
| Cotyledon RR | 0.35\* | 0.28 | -0.13 | 0.25 | 0.52\*\* |  |  |  |  |  |  |
| Cotyledon SR | 0.34\* | 0.44\*\* | 0.02 | 0.42\* | 0.13 | 0.09 |  |  |  |  |  |
| Shoot\_tip RR | 0.18 | 0.30 | 0.50\*\* | -0.08 | -0.05 | -0.04 | 0.20 |  |  |  |  |
| Shoot\_tip SR | 0.20 | 0.29 | 0.55\*\* | 0.13 | 0.22 | -0.02 | 0.15 | 0.15 |  |  |  |
| Little NB | 0.12 | 0.08 | -0.16 | 0.08 | 0.02 | -0.11 | -0.09 | -0.29 | 0.09 |  |  |
| Medium NB  | 0.19 | 0.21 | 0.24 | 0.20 | 0.24 | 0.13 | 0.09 | 0.06 | 0.38\* | 0.02 |  |
| Plenty NB | -0.17 | -0.21 | 0.21 | -0.08 | 0.14 | 0.10 | -0.09 | 0.16 | 0.10 | -0.10 | 0.27 |

Note: CI: