**Table S5. Correlation coefficients based on similarity of responses among explant types when averaged over genotypes or over treatments for each genotype.**  Scatterplots showing associations are presented in Ma et al. (2022) Supplemental Figures E1-E12 (over genotypes), and in the current paper in Supplemental Figures E1 – E13 (over treatments).

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Averaged Over Genotypes** | | | | |  | **Averaged Over Treatments** | | |
| **Experiment** |  | *stem-petiole* | *stem-leaf* | *leaf-petiole* | *stem-petiole* | *stem-leaf* | *leaf-petiole* |
|  |  |  |  |  | - | - | - |
| **E2** | Callus size | 0.37 | 0.39 | 0.05 | - | - | - |
| Prop callus | 0.04 | 0.32 | 0.08 | - | - | - |
| Prop shoot | 0.17 | 0.11 | 0.17 | - | - | - |
| Shoot # | 0.17 | 0.24 | 0.04 | - | - | - |
|  |  | | | | | | | |
| **E3-vitro** | Callus size | 0.69 | 0.63 | 0.29 |  | 0.63 | 0.49 | 0.65 |
| Prop callus | 0.35 | 0.19 | 0.24 | 0.65 | 0.28 | 0.54 |
| Prop shoot | 0.32 | 0.29 | 0.63 | 0.9 | 0.88 | 0.83 |
| Shoot # | 0.55 | 0.26 | 0.58 | 0.95 | 0.6 | 0.74 |
|  | | | | | | | | |
| **E3-vivo** | Callus size | 0.49 | 0.83 | 0.09 |  | 0.68 | 0.68 | 0.59 |
| Prop callus | 0.51 | 0.67 | 0.66 | 0.18 | 0.29 | 0.69 |
| Prop shoot | 0.68 | 0.48 | 0.49 | 0.59 | 0.42 | 0.57 |
| Shoot # | 0.5 | 0.51 | 0.42 | 0.42 | 0.59 | 0.43 |
|  | | | | | | | | |
| **E4** | Callus size | 0.49 | -0.05 | -0.11 |  | 0.86 | 0.85 | 0.71 |
| Prop callus | 0.42 | -0.1 | -0.23 | 0.9 | 0.84 | 0.74 |
| Prop shoot | - | - | - | 0.99 | 0.94 | 0.95 |
| Shoot # | 0.74 | 0.8 | 0.83 | 0.89 | 0.45 | 0.77 |
|  | | | | | | | | |
| **E5-vitro-19** | Callus size | 0.65 | 0.54 | 0.81 |  | 0.82 | 0.65 | 0.56 |
| Prop callus | 0.89 | 0.89 | 0.91 |  | 0.46 | 0.54 | 0.47 |
| Prop shoot | 0.41 | -0.29 | -0.13 |  | 0.91 | 0.68 | 0.56 |
|  | Shoot # | 0.4 | -0.32 | -0.01 |  | 0.81 | 0.58 | 0.36 |
|  | | | | | | | | |
| **E5-vitro-23** | Callus size | 0.65 | 0.54 | 0.81 |  | 0.82 | 0.65 | 0.56 |
| Prop callus | 0.89 | 0.89 | 0.91 | 0.46 | 0.54 | 0.47 |
| Prop shoot | 0.41 | -0.29 | -0.13 | 0.91 | 0.68 | 0.56 |
| Shoot # | 0.4 | -0.32 | -0.01 | 0.81 | 0.58 | 0.36 |
|  | | | | | | | | |
| **E5-vivo** | Callus size | 0.92 | 0.81 | 0.94 |  | 0.8 | 0.32 | 0.58 |
| Prop callus | 0.83 | 0.71 | 0.84 | 0.76 | 0.21 | 0.54 |
| Prop shoot | 0.81 | -0.13 | 0.28 | 0.49 | 0.39 | 0.53 |
| Shoot # | 0.82 | -0.27 | 0.09 | 0.52 | 0.39 | 0.57 |
|  | | | | | | | | |
| **E6 A** | Callus size | 0.83 | 0.39 | 0.21 |  | 0.71 | 0.22 | 0.2 |
| Prop callus | 0.79 | 0.47 | 0.23 | 0.6 | 0.28 | 0.2 |
| Prop shoot | 0.59 | 0.02 | 0.15 | 0.81 | 0.68 | 0.69 |
| Shoot # | 0.69 | 0.18 | 0.3 | 0.63 | 0.62 | 0.68 |
|  | | | | | | | | |
| **E6 B** | Callus size | 0.91 | 0.96 | 0.94 |  | 0.46 | 0.48 | 0.61 |
| Prop callus | 0.47 | 0.6 | 0.76 | 0.31 | 0.26 | 0.5 |
| Prop shoot | 0.65 | 0.75 | 0.4 | 0.89 | 0.45 | 0.5 |
| Shoot # | 0.62 | 0.55 | 0.59 | 0.88 | 0.48 | 0.69 |
|  | | | | | | | | |
| **E6 C** | Callus size | 0.8 | 0.77 | 0.9 |  | 0.03 | 0.08 | 0.43 |
| Prop callus | 0.68 | 0.62 | 0.91 |  | 0.11 | 0.12 | 0.38 |
| Prop shoot | -0.4 | -0.26 | 0.85 |  | 0.22 | 0.11 | 0.58 |
| Shoot # | -0.7 | -0.48 | 0.77 |  | 0.41 | 0.05 | 0.49 |
|  | | | | | | | | |
| **E6 D** | Callus size | - | - | - |  | 0.62 | 0.19 | 0.41 |
| Prop callus | 0.42 | -0.26 | -0.53 |  | 0.54 | 0.04 | 0.29 |
| Prop shoot | - | - | - |  |  |  |  |
| Shoot # | 0.63 | 0.03 | 0.11 |  | 0.35 | -0.11 | 0.32 |
|  | | | | | | | | |
| **E6 E** | Callus size | - | - | - |  | 0.45 | 0.45 | 0.34 |
| Prop callus | 0.25 | 0.55 | 0.29 |  | 0.61 | 0.47 | 0.36 |
| Prop shoot | - | - | - |  |  |  |  |
| Shoot # | 0.11 | 0.22 | -0.16 |  | 0.65 | 0 | 0.32 |
|  | | | | | | | | |
| **E6 F** | Callus size | - | - | - |  | 0.72 | 0.52 | 0.69 |
| Prop callus | 0.72 | 0.58 | 0.48 |  | 0.65 | 0.36 | 0.68 |
| Prop shoot | - | - | - |  |  |  |  |
| Shoot # | 0.07 | -0.71 | -0.16 |  | 0.75 | 0.2 | 0.22 |
|  | | | | | | | | |
| **E7** | Callus size | 0.89 | 0.83 | 0.83 |  | 0.63 | 0.34 | 0.52 |
| Prop callus | 0.89 | 0.93 | 0.81 |  | 0.65 | 0.29 | 0.51 |
| Prop shoot | 0.96 | 0.92 | 0.93 |  | 0.9 | 0.66 | 0.78 |
| Shoot # | 0.96 | 0.89 | 0.9 |  | 0.83 | 0.45 | 0.81 |
|  | | | | | | | | |
| **E9** | Callus size | 0.8 | 0.72 | 0.8 |  | 0.49 | 0.29 | 0.28 |
| Prop callus | 0.7 | 0.58 | 0.78 |  | 0.43 | 0.12 | 0.42 |
| Prop shoot | 0.86 | 0.57 | 0.31 |  | 0.16 | 0.28 | 0.34 |
| Shoot # | 0.82 | 0.62 | 0.52 |  | 0.51 | 0.48 | 0.43 |
|  |  |  |  |  |  |  |  |  |
| **E10a** | Callus size | 0.45 | 0.45 | 0.62 |  | 0.22 | 0.02 | 0.1 |
| Prop callus | 0.32 | 0.53 | 0.56 |  | 0.04 | -0.19 | 0.04 |
| Prop shoot | 0.9 | 0.63 | 0.53 |  | -0.05 | 0.14 | 0.22 |
| Shoot # | 0.92 | 0.54 | 0.39 |  | -0.15 | 0.1 | 0.58 |
|  | | | | | | | | |
| **E10b** | Callus size | 0.52 | 0.75 | 0.52 |  | 0.07 | 0.32 | -0.01 |
| Prop callus | 0.38 | 0.75 | 0.49 | 0.16 | 0.28 | 0 |
| Prop shoot | -0.5 | -0.47 | -0.42 | 0.45 | 0.37 | 0.59 |
| Shoot # | -0.59 | 0.33 | -0.51 | 0.35 | 0.51 | 0.57 |
|  | | | | | | | | |
| **E11** | Callus size | 0.23 | 0.56 | 0.29 |  | 0.5 | -0.03 | 0.08 |
| Prop callus | 0.27 | 0.44 | 0.28 | 0.44 | 0.28 | 0.15 |
| Prop shoot | 0.68 | 0.36 | 0.73 | 0.41 | 0.34 | 0.43 |
| Shoot # | 0.72 | 0.62 | 0.53 | 0.46 | 0.55 | 0.44 |
|  | | | | | | | | |
| **E12** | Callus size | -0.02 | -0.19 | -0.12 |  | 0.30 | -0.22 | 0.48 |
| Prop callus | 0.26 | 0.15 | 0.24 | 0.33 | -0.06 | -0.11 |
| Prop shoot | 0.44 | 0.44 | 0.26 | 0.90 | 0.88 | 0.81 |
| Shoot # | 0.57 | 0.43 | 0.3 | 0.92 | 0.92 | 0.92 |
|  | | | | | | | | |
|  | **AVG** | **0.509** | **0.372** | **0.393** |  | **0.559** | **0.385** | **0.482** |
|  | **COUNT** | 69 | 69 | 69 | 69 | 69 | 69 |
|  | **STDEV** | 0.364 | 0.408 | 0.388 | 0.278 | 0.271 | 0.227 |
|  | **SQRT-N** | 8.307 | 8.307 | 8.307 | 8.307 | 8.307 | 8.307 |
|  | **STDERR** | 0.044 | 0.049 | 0.047 | 0.033 | 0.032 | 0.027 |