

**Table S25.** Distribution of principal component scores by sampling locations

| Soil       |          |          | Root        |          |          |          | Stem        |          |          |
|------------|----------|----------|-------------|----------|----------|----------|-------------|----------|----------|
| Sample#    | PC1      | PC2      | Sample#     | PC1      | PC2      | PC       | Sample#     | PC1      | PC2      |
| <b>S1</b>  | -2.20662 | 1.52561  | <b>RO1</b>  | -1.01803 | 1.78019  | 1.14113  | <b>ST1</b>  | -1.13926 | 0.25624  |
| <b>S2</b>  | -0.53874 | -0.23271 | <b>RO2</b>  | -0.57518 | 1.34947  | 0.21546  | <b>ST2</b>  | -0.62196 | 1.44854  |
| <b>S3</b>  | -1.11983 | -1.35127 | <b>RO3</b>  | 1.21825  | 0.0241   | 1.54972  | <b>ST3</b>  | -0.83681 | 1.82343  |
| <b>S4</b>  | -0.44276 | 0.64172  | <b>RO4</b>  | 1.12141  | 0.79297  | 0.18639  | <b>ST4</b>  | 0.02504  | 0.0564   |
| <b>S5</b>  | 0.9152   | 0.8585   | <b>RO5</b>  | 1.78679  | 0.13953  | -0.62678 | <b>ST5</b>  | 0.23966  | -0.01479 |
| <b>S6</b>  | -0.68234 | -0.99654 | <b>RO6</b>  | -0.52717 | -0.96819 | 1.54335  | <b>ST6</b>  | 1.31917  | 1.20355  |
| <b>S7</b>  | 1.19626  | 1.29179  | <b>RO7</b>  | 1.14471  | -0.61963 | -0.16027 | <b>ST7</b>  | 0.35677  | -0.54234 |
| <b>S8</b>  | 0.95769  | -0.81485 | <b>RO8</b>  | -1.1042  | -0.77356 | -0.04761 | <b>ST8</b>  | -0.06793 | -1.06781 |
| <b>S9</b>  | 1.11007  | -0.50998 | <b>RO9</b>  | -0.88354 | -1.68912 | -0.14355 | <b>ST9</b>  | 0.80088  | -0.82979 |
| <b>S10</b> | 0.22488  | -1.27227 | <b>RO10</b> | -0.02463 | -0.15626 | -0.69227 | <b>ST10</b> | 2.03465  | -0.1726  |
| <b>S11</b> | -0.01889 | -0.55041 | <b>RO11</b> | -0.54603 | -0.52756 | 0.12867  | <b>ST11</b> | -1.40398 | -0.5372  |
| <b>S12</b> | -0.06688 | 0.43925  | <b>RO12</b> | 0.26775  | -0.40926 | -1.31398 | <b>ST12</b> | 0.23129  | -0.00562 |
| <b>S13</b> | 0.67195  | 0.97117  | <b>RO13</b> | -0.86015 | 1.05731  | -1.78026 | <b>ST13</b> | -0.93753 | -1.61801 |