## Supplementary Table 25 - Plant Scale MLMA Heterogeneity

| Test | Total | Paper\_ID | Cohort\_ID | Plant\_genus | OLRE |
| --- | --- | --- | --- | --- | --- |
| I2 | 90.17293 | 37.57919 | 34.42672 | 0.00000 | 18.16700 |
| CV | 1.03088 | 0.66549 | 0.63697 | 0.00018 | 0.46271 |
| M | 0.63838 | 0.24065 | 0.23034 | 0.00006 | 0.16732 |

## Supplementary Table 26 - Coupe Scale MLMA Heterogeneity

| Test | Total | Paper\_ID | Cohort\_ID | Plant\_genus | OLRE |
| --- | --- | --- | --- | --- | --- |
| I2 | 96.83244 | 14.89537 | 38.72042 | 17.79682 | 25.41983 |
| CV | 2.01333 | 0.78964 | 1.27313 | 0.86313 | 1.03155 |
| M | 0.79828 | 0.15928 | 0.25681 | 0.17411 | 0.20808 |

## Supplementary Table 27 - Landscape Scale MLMA Heterogeneity

| Test | Total | Paper\_ID | Cohort\_ID | Plant\_genus | OLRE |
| --- | --- | --- | --- | --- | --- |
| I2 | 96.79560 | 18.74397 | 72.64076 | 0.00000 | 5.41087 |
| CV | 1.79053 | 0.78792 | 1.55111 | 0.00008 | 0.42334 |
| M | 0.73422 | 0.20942 | 0.41226 | 0.00002 | 0.11252 |