**S6 Table**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Possible Correlations** | | | | |  | | |  | | |  | | |  | | |  | | |  | |
|  |  |  | | | **Bac-Epi** | | **Bac-Endo** | | | **Fungi-Epi** | | | **Fungi-Endo** | | | **Oom-Epi** | | | **Oom-Endo** | | |
|  |  | **No. Genera1** | | | 234 | | 72 | | | 89 | | | 23 | | | 3 | | | 5 | | |
| **Bacteria** | **Epiphyte** | 234 | | | 27261 | |  | | |  | | |  | | |  | | |  | | |
| **Endophyte** | 72 | | | 16848 | | 2556 | | |  | | |  | | |  | | |  | | |
| **Fungi** | **Epiphyte** | 89 | | | 20826 | | 6408 | | | 3916 | | |  | | |  | | |  | | |
| **Endophyte** | 23 | | | 5382 | | 1656 | | | 2047 | | | 253 | | |  | | |  | | |
| **Oomycete** | **Epiphyte** | 3 | | | 702 | | 216 | | | 267 | | | 69 | | | 3 | | |  | | |
| **Endophyte** | 5 | | | 1170 | | 360 | | | 445 | | | 115 | | | 15 | | | 10 | | |
|  |  |  | | |  | |  | | |  | | |  | | |  | | |  | | |
|  | **Observed Correlations2** | | | | |  | | |  | | |  | | |  | | |  | | |  | |
|  |  | |  | **Bac-Epi** | | | | **Bac-Endo** | | | **Fungi-Epi** | | | **Fungi-Endo** | | | **Oom-Epi** | | | **Oom-Endo** | |
| **Bacteria** | **Epiphyte** | |  | 533 | | | |  | | |  | | |  | | |  | | |  | |
| **Endophyte** | |  | 65 | | | | 11 | | |  | | |  | | |  | | |  | |
| **Fungi** | **Epiphyte** | |  | 70 | | | | 6 | | | 16 | | |  | | |  | | |  | |
| **Endophyte** | |  | 8 | | | | 0 | | | 1 | | | 2 | | |  | | |  | |
| **Oomycete** | **Epiphyte** | |  | 4 | | | | 0 | | | 1 | | | 0 | | | 1 | | |  | |
| **Endophyte** | |  | 36 | | | | 8 | | | 8 | | | 0 | | | 0 | | | 1 | |

1 Number of genera refers to the number that passed abundance cutoffs before checking for correlations

2 Observed correlations are those supported by all collected samples (wild and common garden experiment) as well as the subset of wild samples only and are additionally filtered for only the strength of correlation (see supporting materials and methods in S1 Text)