**Table S1.** Complete list of the 33 fungi enriched in high ERMI conditions and the 6 fungi enriched in low ERMI conditions.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Fungi (HIGH ERMI)** | **LDA Score** |  | **Fungi (Low ERMI)** | **LDA Score** |
| Cyberlindnera jadinii | 4.64 |   | Leptosphaerulina chartarum | -4.75 |
| Leptosphaeria contecta | 3.88 |   | Leptosphaerulina sp | -4.71 |
| Phoma sp | 3.71 |   | Cryptococcus liquefaciens | -3.18 |
| Eurotium sp | 3.69 |   | Bipolaris sp | -3.14 |
| Devriesia pseudoamericana | 3.56 |   | Alternaria citri | -2.94 |
| Myrothecium roridum | 3.56 |   | Mrakiella sp | -2.84 |
| Phaeophyscia ciliata | 3.54 |   |   |   |
| Podosphaera fusca | 3.49 |   |   |   |
| Cercophora acanthigera | 3.38 |   |   |   |
| Bensingtonia yuccicola | 3.38 |   |   |   |
| Cylindrium sp | 3.37 |   |   |   |
| Septoria passerinii | 3.30 |   |   |   |
| Chaetomium globosum | 3.29 |   |   |   |
| Candida tropicalis | 3.27 |   |   |   |
| Teratosphaeria altensteinii | 3.25 |   |   |   |
| Hannaella coprosmaensis | 3.24 |   |   |   |
| Lecythophora sp | 3.20 |   |   |   |
| Stachybotrys chartarum | 3.17 |   |   |   |
| Penicillium commune | 3.15 |   |   |   |
| Mycocalicium victoriae | 3.13 |   |   |   |
| Leptosphaeria sp | 3.12 |   |   |   |
| Teratosphaeria wingfieldii | 3.10 |   |   |   |
| Cladosporiumpini ponderosae | 3.09 |   |   |   |
| Teratosphaeria agapanthi | 3.08 |   |   |   |
| Phaeotheca fissurella | 3.05 |   |   |   |
| Teratosphaeria persoonii | 3.04 |   |   |   |
| Curreya austroafricana | 2.99 |   |   |   |
| Peyronellaea glomerata | 2.97 |   |   |   |
| Chalara sp | 2.90 |   |   |   |
| Humicola sp | 2.80 |   |   |   |
| Knufia chersonesos | 2.79 |   |   |   |
| Cryptococcus dimennae | 2.77 |   |   |   |
| Phialocephala fluminis | 2.67 |   |   |   |