**Table S4. Identification and abundance of the major fungal OTUs**. Basic information of the fungal 14 most abundant OTUs and their relative abundance (percent) in unamended soil (C) and soil amended with untransformed DOR (DOR) or *C. floccosa*–transformed DOR (CORDOR) at 0 (T0), 30 (T1) and 60 (T2) days

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **OTU information** | | | | **Soil sample** | | | | | | | | |
| **OTU**  **no.** | **Closest relative CBS match**  **(GenBank accession no.), % similarity** | **Order** | **Nº seqs1** | **CT0** | **DORT0** | **CORDORT0** | **CT1** | **DORT1** | **CORDORT1** | **CT2** | **DORT2** | **CORDORT2** |
| **1** | *Fusarium* sp. (JF740925), 100 | *Hypocreales* | 1547 | 8.0 | 10.5 | 8.7 | 6.5 | 29.4 | 3.3 | 12.6 | 19.1 | 1.9 |
| **2** | *Chaetomium* sp. (JN709486), 100 | *Sordariales* | 1256 | 17.3 | 20.8 | 17.1 | 15.7 | 3.3 | 3.1 | 16.5 | 4.1 | 2.1 |
| **3** | *Preussia terricola* (GQ203725), 99 | *Pleosporales* | 353 | 12.2 | 13.0 | 15.3 | 19.0 | 3.4 | 4.8 | 16.4 | 3.4 | 12.5 |
| **4** | *Stachybotrys chartarum*(AF081468), 100 | *Hypocreales* | 272 | 9.5 | 15.8 | 18.0 | 15.8 | 8.5 | 10.7 | 9.9 | 10.7 | 1.1 |
| **5** | *Rhizopus oryzae* (KC354517), 100 | *Mucorales* | 248 | 29.0 | 2.4 | 53.2 | 10.1 | 0.0 | 3.2 | 0.0 | 1.6 | 0.5 |
| **6** | Uncultured soil fungus (JQ311284), 92 | Incertae sedis | 244 | 18.0 | 23.0 | 16.8 | 12.7 | 5.7 | 4.9 | 11.9 | 2.9 | 4.1 |
| **7** | *Chytridiomycete* (EU873019), 94 | Incertae sedis | 240 | 6.3 | 8.3 | 9.6 | 53.3 | 0.8 | 2.1 | 18.8 | 0.0 | 0.8 |
| **8** | *Aspergillus terreus* (KF278468), 99 | *Eurotiales* | 219 | 21.0 | 19.2 | 21.3 | 15.6 | 2.7 | 2.7 | 14.7 | 1.4 | 1.4 |
| **9** | *Cryptococcus* sp. (DQ531950), 99 | *Tremellales* | 184 | 0.0 | 1.1 | 0.0 | 0.0 | 22.2 | 43.5 | 0.0 | 8.7 | 24.5 |
| **10** | Uncultured fungus (KC558360), 100 | Incertae sedis | 169 | 1.2 | 0.6 | 0.0 | 26.0 | 8.9 | 32.5 | 8.9 | 4.1 | 17.8 |
| **11** | Uncultured *Podospora* sp. (GU055536), 100 | *Sordariales* | 159 | 1.3 | 0.0 | 0.6 | 0.0 | 0.0 | 18.9 | 1.9 | 18.2 | 59.1 |
| **12** | *Cercophora sordarioides* (AY780064), 99 | *Sordariales* | 157 | 0.0 | 0.0 | 7.0 | 0.6 | 1.3 | 38.2 | 0.0 | 9.6 | 43.3 |
| **13** | *Coprotus ochraceus* (KC012673), 99 | *Thelebolales* | 154 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 5.2 | 0.0 | 40.9 | 52.6 |
| **14** | *Ascobolus* sp. (AY500527), 98 | *Pezizales* | 149 | 22.8 | 16.8 | 8.7 | 4.0 | 1.3 | 16.1 | 12.8 | 2.7 | 14.8 |

1 total number of sequences in normalized samples