**Table S1 The unique and shared OTUs and their taxonomic** [**annotation**](https://bmcbioinformatics.biomedcentral.com/articles/10.1186/1471-2105-12-182) **in the four different samples.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Genus** | **L1** | **L2** | **L3** | **L4** |
| OTU1 | Podosphaera\_fusca|SH194415.06FU | + | + | + | + |
| OTU10 | Davidiella\_tassiana|SH196750.06FU | + | + | + | + |
| OTU100 | Unclassified\_Ascomycota | + | + | + | + |
| OTU101 | Leucosporidiella\_fragaria|SH212317.06FU | + | + | + | + |
| OTU113 | Agaricomycetes\_sp|SH234602.06FU | + | + | + | + |
| OTU12 | Leptosphaerulina\_chartarum|SH227423.06FU | + | + | + | + |
| OTU13 | Pseudozyma\_sp\_Vega417|SH241684.06FU | + | + | + | + |
| OTU14 | Strelitziana\_mali|SH211991.06FU | + | + | + | + |
| OTU143 | Unclassified\_Fungi | + | + | + | + |
| OTU16 | Exobasidiomycetes\_sp|SH230059.06FU | + | + | + | + |
| OTU2 | Fungi\_sp|SH234328.06FU | + | + | + | + |
| OTU20 | Rhodotorula\_sp\_YM24636|SH227561.06FU | + | + | + | + |
| OTU15 | Exobasidiomycetes\_sp|SH199847.06FU | + | + | + | + |
| OTU17 | Periconia\_sp|SH232015.06FU | + | + | + | + |
| OTU18 | Chaetothyriales\_sp|SH201524.06FU | + | + | + | + |
| OTU21 | Agaricales\_sp|SH239393.06FU | + | + | + | + |
| OTU22 | Helotiales\_sp|SH191096.06FU | + | + | + | + |
| OTU23 | Pleosporales\_sp|SH206981.06FU | + | + | + | + |
| OTU26 | Pestalotiopsis\_rhododendri|SH210426.06FU | + | + | + | + |
| OTU27 | Fungi\_sp|SH201526.06FU | + | + | + | + |
| OTU273 | Ascomycota\_sp|SH202146.06FU | + | + | + | + |
| OTU281 | Pleosporales\_sp|SH206981.06FU | + | + | + | + |
| OTU3 | Fungi\_sp|SH234328.06FU | + | + | + | + |
| OTU30 | Unclassified\_Devriesia | + | + | + | + |
| OTU24 | Chaetothyriales\_sp|SH232791.06FU | + | + | + | + |
| OTU35 | Phaeosphaeriaceae\_sp|SH213437.06FU | + | + | + | + |
| OTU36 | Unclassified\_Chaetothyriales | + | + | + | + |
| OTU37 | Penicillium\_sp|SH193634.06FU | + | + | + | + |
| OTU38 | Neodeightonia\_palmicola|SH236115.06FU | + | + | + | + |
| OTU164 | Unclassified\_Pleosporales | + | + | + | + |
| OTU19 | Phoma\_microchlamydospora|SH197540.06FU | + | + | + | + |
| OTU32 | Chaetothyriales\_sp|SH201524.06FU | + | + | + | + |
| OTU33 | Peniophora\_sp\_JY\_035|SH234595.06FU | + | + | + | + |
| OTU102 | Psathyrella\_candolleana|SH199666.06FU | + | + | + | - |
| OTU103 | Phaeosphaeria\_fuckelii|SH240851.06FU | + | + | + | - |
| OTU4 | Exobasidiomycetes\_sp|SH230059.06FU | + | + | + | + |
| OTU40 | Mycosphaerella\_gregaria|SH235741.06FU | + | + | + | + |
| OTU41 | Exophiala\_brunnea|SH230205.06FU | + | + | + | + |
| OTU42 | Jaminaea\_angkoriensis|SH233453.06FU | + | + | + | + |
| OTU44 | Coniothyrium\_sp\_JK27|SH233607.06FU | + | + | + | + |
| OTU45 | Fungi\_sp|SH201526.06FU | + | + | + | + |
| OTU46 | Ascomycota\_sp|SH194735.06FU | + | + | + | + |
| OTU47 | Strelitziana\_albiziae|SH211993.06FU | + | + | + | + |
| OTU5 | Fungi\_sp|SH234328.06FU | + | + | + | + |
| OTU50 | Agaricomycetes\_sp|SH205543.06FU | + | + | + | + |
| OTU52 | Chaetothyriales\_sp|SH219207.06FU | + | + | + | + |
| OTU54 | Unclassified\_Ascomycota | + | + | + | + |
| OTU58 | Fungi\_sp|SH212314.06FU | + | + | + | + |
| OTU60 | Toxicocladosporium\_strelitziae|SH196751.06FU | + | + | + | + |
| OTU61 | Ascomycota\_sp|SH191097.06FU | + | + | + | + |
| OTU63 | Unclassified\_Myrothecium | + | + | + | + |
| OTU6 | Alternaria\_eichhorniae|SH224789.06FU | + | + | + | + |
| OTU7 | Aureobasidium\_sp|SH206630.06FU | + | + | + | + |
| OTU70 | Strelitziana\_albiziae|SH211993.06FU | + | + | + | + |
| OTU72 | Leptospora\_rubella|SH213116.06FU | + | + | + | + |
| OTU73 | Uwebraunia\_musae|SH197937.06FU | + | + | + | + |
| OTU31 | Phoma\_aff\_macrostoma\_BBA\_72146|SH202148.06FU | + | + | + | + |
| OTU65 | Unclassified\_Chaetothyriales | + | + | + | + |
| OTU67 | Chaetothyriales\_sp|SH214498.06FU | + | + | + | + |
| OTU89 | Ascomycota\_sp|SH226078.06FU | + | + | + | + |
| OTU9 | Fungi\_sp|SH234328.06FU | + | + | + | + |
| OTU96 | Diaporthe\_caulivora|SH194728.06FU | + | + | + | + |
| OTU75 | Stagonosporopsis\_tanaceti|SH202147.06FU | + | + | + | + |
| OTU8 | Unclassified\_Fungi | + | + | + | + |
| OTU105 | Chaetothyriales\_sp|SH201524.06FU | - | + | - | - |
| OTU107 | Unclassified\_Ascomycota | + | + | + | - |
| OTU109 | Unclassified\_Chaetothyriales | - | + | - | - |
| OTU11 | Cordycipitaceae\_sp|SH235767.06FU | + | + | + | - |
| OTU112 | Unclassified\_Rigidoporus | + | + | - | + |
| OTU115 | Microbotryozyma\_collariae|SH238724.06FU | + | + | + | - |
| OTU116 | Dothideomycetes\_sp|SH225319.06FU | - | + | - | - |
| OTU120 | Coniothyrium\_sidae|SH196237.06FU | + | + | + | - |
| OTU121 | Unclassified\_Ascomycota | + | + | - | - |
| OTU123 | Sarocladium\_strictum|SH191575.06FU | + | - | - | - |
| OTU125 | Diatrypaceae\_sp|SH227086.06FU | - | - | + | - |
| OTU128 | Fungi\_sp|SH201526.06FU | - | + | - | - |
| OTU129 | Sordariomycetes\_sp|SH212488.06FU | + | + | + | - |
| OTU130 | Pyrenochaeta\_lycopersici|SH240064.06FU | - | - | - | + |
| OTU131 | Toxicocladosporium\_strelitziae|SH196751.06FU | - | + | - | - |
| OTU135 | Hannaella\_sp\_CMON52|SH197181.06FU | + | + | + | - |
| OTU136 | Unclassified\_Ascomycota | - | + | - | - |
| OTU137 | Psathyrella\_candolleana|SH199666.06FU | + | + | + | - |
| OTU138 | Unclassified\_Mycosphaerellaceae | + | + | + | - |
| OTU139 | Rhodotorula\_acheniorum|SH191070.06FU | - | - | + | - |
| OTU140 | Unclassified\_Fungi | + | - | - | - |
| OTU141 | Leptosphaerulina\_chartarum|SH227423.06FU | - | + | - | - |
| OTU142 | Chaetothyriales\_sp|SH201524.06FU | - | + | - | - |
| OTU144 | Whalleya\_microplaca|SH227044.06FU | - | - | + | - |
| OTU145 | Unclassified\_Chaetothyriales | + | + | + | - |
| OTU147 | Phoma\_brasiliensis|SH202145.06FU | + | + | + | - |
| OTU148 | Leptosphaeriaceae\_sp|SH206994.06FU | + | + | + | - |
| OTU149 | Agaricomycetes\_sp|SH214757.06FU | + | - | - | - |
| OTU150 | Phoma\_brasiliensis|SH202145.06FU | + | + | + | - |
| OTU151 | Unclassified\_Agaricales | + | - | - | - |
| OTU152 | Diaporthe\_phaseolorum|SH194772.06FU | - | - | + | - |
| OTU153 | Unclassified\_Mycosphaerellaceae | - | + | - | - |
| OTU155 | Pezizomycetes\_sp|SH212017.06FU | + | - | - | - |
| OTU159 | Schizopora\_ovispora|SH204974.06FU | + | - | - | - |
| OTU160 | Ophiognomonia\_sogonovii|SH226094.06FU | - | + | - | - |
| OTU162 | Ascomycota\_sp|SH224125.06FU | - | + | - | - |
| OTU163 | Unclassified\_Chaetothyriales | - | + | - | - |
| OTU165 | Unclassified\_Pleosporales | - | - | + | - |
| OTU167 | Unclassified\_Pleosporales | + | - | - | - |
| OTU169 | Toxicocladosporium\_strelitziae|SH196751.06FU | - | + | - | - |
| OTU170 | Devriesia\_fraseriae|SH189975.06FU | + | + | + | - |
| OTU172 | Leptospora\_rubella|SH213116.06FU | - | - | + | - |
| OTU181 | Toxicocladosporium\_strelitziae|SH196751.06FU | + | - | - | - |
| OTU182 | Sporidiobolales\_sp|SH196708.06FU | + | + | + | - |
| OTU183 | Unclassified\_Ascomycota | - | + | - | - |
| OTU187 | Unclassified\_Xylodon | + | - | - | - |
| OTU190 | Mycosphaerella\_gregaria|SH235741.06FU | - | + | - | - |
| OTU191 | Pleosporales\_sp|SH196178.06FU | - | - | + | - |
| OTU196 | Pleosporales\_sp|SH231086.06FU | - | - | + | - |
| OTU199 | Sordariomycetes\_sp|SH219629.06FU | - | + | - | - |
| OTU201 | Unclassified\_Mycosphaerellaceae | - | + | - | - |
| OTU207 | Pseudocercospora\_dovyalidis|SH212656.06FU | - | + | - | - |
| OTU211 | Unclassified\_Sporobolomyces | + | - | - | - |
| OTU212 | Unclassified\_ | + | + | + | - |
| OTU216 | Russulales\_sp|SH234592.06FU | - | - | + | - |
| OTU226 | Ascomycota\_sp|SH189849.06FU | - | - | + | - |
| OTU237 | Phoma\_brasiliensis|SH202145.06FU | - | + | - | - |
| OTU238 | Mycosphaerellaceae\_sp|SH212680.06FU | - | + | - | - |
| OTU239 | Coprinopsis\_urticicola|SH229042.06FU | - | + | - | - |
| OTU243 | Chaetothyriaceae\_sp|SH210957.06FU | - | - | + | - |
| OTU245 | Exophiala\_brunnea|SH230205.06FU | - | - | + | - |
| OTU25 | Unclassified\_Aplosporella | + | + | + | - |
| OTU256 | Psathyrellaceae\_sp|SH239392.06FU | - | - | + | - |
| OTU269 | Unclassified\_Incertae\_sedis\_16 | - | + | + | + |
| OTU278 | Ascomycota\_sp|SH229418.06FU | - | + | - | - |
| OTU288 | Gibberella\_zeae|SH217300.06FU | - | + | - | - |
| OTU29 | Ascomycota\_sp|SH224125.06FU | - | - | + | - |
| OTU299 | Pleosporales\_sp|SH209063.06FU | - | + | - | - |
| OTU309 | Unclassified\_Helotiales | - | - | + | - |
| OTU312 | Sordariomycetes\_sp|SH219632.06FU | - | + | - | - |
| OTU315 | Helotiales\_sp|SH191096.06FU | - | + | - | - |
| OTU330 | Sordariomycetes\_sp|SH212492.06FU | - | - | + | - |
| OTU332 | Unclassified\_Ascomycota | - | + | - | - |
| OTU338 | Strelitziana\_africana|SH211992.06FU | - | + | - | - |
| OTU34 | Unclassified\_Hypocreales | + | + | + | - |
| OTU388 | Ascomycota\_sp|SH224125.06FU | - | + | - | - |
| OTU39 | Fungi\_sp|SH234328.06FU | + | + | + | - |
| OTU396 | Cryptococcus\_aff\_taibaiensis\_IMUFRJ\_51982|SH198061.06FU | + | - | - | - |
| OTU48 | Exophiala\_brunnea|SH230205.06FU | + | + | + | - |
| OTU49 | Trametes\_hirsuta|SH236971.06FU | + | + | + | - |
| OTU53 | Arthrinium\_malaysianum|SH233379.06FU | + | + | + | - |
| OTU55 | Ustilaginaceae\_sp|SH241685.06FU | - | + | + | + |
| OTU56 | Phaeosphaeriaceae\_sp|SH206983.06FU | + | + | + | - |
| OTU57 | Pyricularia\_sp|SH230953.06FU | + | + | - | + |
| OTU59 | Ascomycota\_sp|SH224125.06FU | + | + | + | - |
| OTU64 | Cyphellophora\_pluriseptata|SH214503.06FU | + | + | + | - |
| OTU66 | Choanephora\_cucurbitarum|SH218423.06FU | + | + | + | - |
| OTU68 | Cyphellophora\_suttonii|SH232792.06FU | - | + | + | + |
| OTU71 | Unclassified\_Agaricomycetes | + | + | + | - |
| OTU74 | Leptospora\_rubella|SH213116.06FU | + | + | + | - |
| OTU76 | Ascomycota\_sp|SH211264.06FU | - | + | - | - |
| OTU77 | Exobasidiomycetes\_sp|SH199847.06FU | + | + | - | + |
| OTU78 | Ascomycota\_sp|SH224125.06FU | + | + | - | + |
| OTU79 | Marasmius\_maximus|SH219756.06FU | + | + | + | - |
| OTU80 | Unclassified\_Fungi | + | + | + | - |
| OTU82 | Sclerostagonospora\_sp\_CBS\_118152|SH224099.06FU | + | + | + | - |
| OTU83 | Agaricales\_sp|SH239391.06FU | + | + | + | - |
| OTU84 | Unclassified\_Cyphellophora | + | + | + | - |
| OTU85 | Ustilago\_longissima\_var.\_macrospora|SH237194.06FU | - | - | + | - |
| OTU87 | Auricularia\_sp\_12204|SH212879.06FU | + | + | + | - |
| OTU90 | Mucor\_circinelloides\_f\_lusitanicus|SH226012.06FU | + | + | + | - |
| OTU91 | Unclassified\_Peniophoraceae | + | - | - | - |
| OTU92 | Ascomycota\_sp|SH240077.06FU | + | + | + | - |
| OTU94 | Fungi\_sp|SH213113.06FU | + | + | + | - |
| OTU95 | Strelitziana\_albiziae|SH211993.06FU | + | + | + | - |
| OTU97 | Fungi\_sp|SH192549.06FU | - | + | + | + |
| OTU98 | Dissoconium\_proteae|SH197939.06FU | + | + | - | + |
| OTU99 | Cyphellophora\_suttonii|SH232792.06FU | - | + | - | - |

+: detected, -: not detected.