**Table S3.** Complete list of the 57 fungi enriched in older homes and the 10 fungi enriched in younger homes.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Fungi (OLDER Homes)** | **LDA Score** |  | **Fungi (YOUNGER homes)** | **LDA Score** |
| Fusarium sp | 4.45 |   | Leptosphaerulina chartarum | -4.53 |
| Cladosporium cladosporioides | 4.37 |   | Leptosphaerulina sp | -4.48 |
| Rhodotorula mucilaginosa | 3.72 |   | Nigrospora sp | 4.30 |
| Phoma sp | 3.55 |   | Nigrospora sphaerica | -3.41 |
| Helicodendron sp | 3.48 |   | Ramularia pratensis | -3.11 |
| Coniothyrium fuckelii | 3.47 |   | Thelebolus sp | -2.97 |
| Tetracladium furcatum | 3.35 |   | Bipolaris sp | -2.96 |
| Candida tropicalis | 3.29 |   | Myrothecium verrucaria | -2.92 |
| Fusarium oxysporum | 3.19 |   | Phaeosphaeria phragmitis | -2.79 |
| Coniosporium apollinis | 3.14 |   | Sporidiobolus pararoseus | -2.75 |
| Coniosporium sp | 3.04 |   |   |  |
| Stemphylium solani | 3.02 |   |   |  |
| Periconia sp | 2.93 |   |   |  |
| Hyalodendron sp | 2.93 |   |   |  |
| Cladosporium sp | 2.88 |   |   |  |
| Trichosporon sp | 2.87 |   |   |  |
| Leptosphaeria sp | 2.85 |   |   |  |
| Phaeophyscia ciliata | 2.82 |   |   |  |
| Hydropisphaera erubescens | 2.80 |   |   |  |
| Puccinia striiformis | 2.76 |   |   |  |
| Batcheloromyces leucadendri | 2.75 |   |   |  |
| Knufia perforans | 2.72 |   |   |  |
| Teratosphaeria altensteinii | 2.71 |   |   |  |
| Bipolaris sorokiniana | 2.71 |   |   |  |
| Cryptococcus luteolus | 2.69 |   |   |  |
| Cladorrhinum samala | 2.63 |   |   |  |
| Didymella sp | 2.63 |   |   |  |
| Rhodosporidium paludigenum | 2.61 |   |   |  |
| Myrothecium masonii | 2.60 |   |   |  |
| Schizothecium glutinans | 2.59 |   |   |  |
| Cladosporium oxysporum | 2.59 |   |   |  |
| Nectria sp | 2.58 |   |   |  |
| Myrothecium gramineum | 2.55 |   |   |  |
| Cercophora coronata | 2.54 |   |   |  |
| Capnobotryella sp | 2.53 |   |   |  |
| Ochrocladosporium elatum | 2.53 |   |   |  |
| Rhodotorula aurantiaca | 2.53 |   |   |  |
| Humicola sp | 2.50 |   |   |  |
| Roesleria subterranea | 2.50 |   |   |  |
| Coniothyrium sp | 2.49 |   |   |  |
| Fusarium equiseti | 2.48 |   |   |  |
| Humicola grisea | 2.48 |   |   |  |
| Colletotrichum truncatum | 2.48 |   |   |  |
| Herpotrichia sp | 2.47 |   |   |  |
| Coprinellus radians | 2.46 |   |   |  |
| Teratosphaeria wingfieldii | 2.45 |   |   |  |
| Microdochium bolleyi | 2.43 |   |   |  |
| Podospora pyriformis | 2.43 |   |   |  |
| Hyalodendriella sp | 2.42 |   |   |  |
| Lophiostoma sp | 2.42 |   |   |  |
| Teratosphaeria suberosa | 2.40 |   |   |  |
| Mycosphaerella buckinghamiae | 2.38 |   |   |  |
| Chalara sp | 2.36 |   |   |  |
| Mortierella sp | 2.35 |   |   |  |
| Ceratobasidium sp | 2.35 |   |   |  |
| Fusarium lateritium | 2.33 |   |   |  |
| Fusarium solani | 2.28 |   |   |  |