| Species                        | n. isolates | MS | HD | % on total MS isolates | n. subjects | MS | HD | % on total HD isolates | Abundance value correction |
|-------------------------------|-------------|----|----|------------------------|-------------|----|----|------------------------|-----------------------------|
| Candida albicans              | 388         | 30 | 7  | 24.1%                  | 9           | 7  | 124.71 | 14.00                  |
| Candida parapsilosis          | 196         | 19 | 4  | 12.2%                  | 4           | 4  | 28.00  | 5.07                   |
| Saccharomyces delbrueckii     | 185         | 2  | 2  | 11.5%                  | 2           | 2  | 13.21  | 0.27                   |
| Saccharomyces cerevisiae      | 99          | 1  | 3  | 6.2%                   | 3           | 1  | 10.61  | 0.07                   |
| Pichia membranifaciens       | 200         | 0  | 1  | 7.6%                   | 1           | 0  | 7.14   | 0.00                   |
| Exophiala dermatitidis       | 76          | 50 | 2  | 4.7%                   | 2           | 1  | 5.43   | 3.33                   |
| Candida zeylanoides          | 123         | 0  | 1  | 7.6%                   | 1           | 0  | 4.39   | 0.00                   |
| Aspergillus pseudoglaucus    | 15          | 55 | 7  | 0.9%                   | 7           | 1  | 3.75   | 3.67                   |
| Candida glabrata             | 84          | 1  | 1  | 5.2%                   | 1           | 1  | 3.00   | 0.07                   |
| Exophiala phaeomuriformis    | 73          | 0  | 1  | 4.5%                   | 1           | 0  | 2.61   | 0.00                   |
| Pichia manshurica            | 70          | 12 | 2  | 4.4%                   | 1           | 2  | 2.50   | 1.60                   |
| Rhodotorula mucilaginosa     | 8           | 15 | 6  | 0.5%                   | 6           | 3  | 1.71   | 3.00                   |
| Penicillium commune           | 11          | 0  | 4  | 0.7%                   | 4           | 0  | 1.57   | 0.00                   |
| Aspergillus ruber             | 19          | 0  | 2  | 1.2%                   | 2           | 0  | 1.36   | 0.00                   |
| Galactomyces candidum        | 16          | 199 | 1  | 1.0%                   | 1           | 1  | 0.57   | 13.27                  |
| Trichosporon sp              | 12          | 0  | 1  | 0.7%                   | 1           | 0  | 0.43   | 0.00                   |
| Aspergillus terreus           | 2           | 1  | 2  | 0.1%                   | 2           | 1  | 0.14   | 0.07                   |
| Corynascus sepedonim         | 4           | 0  | 1  | 0.2%                   | 1           | 0  | 0.14   | 0.00                   |
| Pichia fermentans            | 3           | 0  | 1  | 0.2%                   | 1           | 0  | 0.11   | 0.00                   |
| Pyrenochaeta unguis hominis  | 3           | 0  | 1  | 0.2%                   | 1           | 0  | 0.11   | 0.00                   |
| Pichia kudriavzevii          | 2           | 0  | 1  | 0.1%                   | 1           | 0  | 0.07   | 0.00                   |
| Candida orthopsilosis        | 1           | 0  | 1  | 0.1%                   | 1           | 0  | 0.04   | 0.00                   |
| Chaetomium brasiliense       | 1           | 0  | 1  | 0.1%                   | 1           | 0  | 0.04   | 0.00                   |
| Chaetomium globosum          | 1           | 0  | 1  | 0.1%                   | 1           | 0  | 0.04   | 0.00                   |
| Cryptococcus albidus         | 1           | 0  | 1  | 0.1%                   | 1           | 0  | 0.04   | 0.00                   |
| Cryptococcus diffluens       | 1           | 0  | 1  | 0.1%                   | 1           | 0  | 0.04   | 0.00                   |
| Dipodascaceae family isolate| 1           | 0  | 1  | 0.1%                   | 1           | 0  | 0.04   | 0.00                   |
| Species                          | Presence | Absence | Percentage | Isolated | MST | MSTab | Percent | MST | MSTab |
|---------------------------------|----------|---------|------------|----------|-----|-------|---------|-----|-------|
| Geotrichum candidum             | 1        | 0       | 0.1%       | 0.0%     | 1   | 0     | 0.04    | 0.00|
| Malassezia globosa              | 1        | 0       | 0.1%       | 0.0%     | 1   | 0     | 0.04    | 0.00|
| Penicillium carneum             | 1        | 0       | 0.1%       | 0.0%     | 1   | 0     | 0.04    | 0.00|
| Penicillium chrysogenum         | 1        | 0       | 0.1%       | 0.0%     | 1   | 0     | 0.04    | 0.00|
| Penicillium echinulatum         | 1        | 0       | 0.1%       | 0.0%     | 1   | 0     | 0.04    | 0.00|
| Penicillium expansum            | 1        | 0       | 0.1%       | 0.0%     | 1   | 0     | 0.04    | 0.00|
| Penicillium infrapurpureum      | 1        | 0       | 0.1%       | 0.0%     | 1   | 0     | 0.04    | 0.00|
| Phoma sp                        | 1        | 0       | 0.1%       | 0.0%     | 1   | 0     | 0.04    | 0.00|
| Talaromyces stollii             | 1        | 0       | 0.1%       | 0.0%     | 1   | 0     | 0.04    | 0.00|
| Thelebolus ellipsoideus         | 1        | 0       | 0.1%       | 0.0%     | 1   | 0     | 0.04    | 0.00|
| Thielavia sp                    | 1        | 0       | 0.1%       | 0.0%     | 1   | 0     | 0.04    | 0.00|
| Trichosporon ovoides            | 1        | 0       | 0.1%       | 0.0%     | 1   | 0     | 0.04    | 0.00|
| Wickerhamomyces anomalus        | 1        | 0       | 0.1%       | 0.0%     | 1   | 0     | 0.04    | 0.00|
| Candida lusitaniae              | 0        | 1       | 0.0%       | 0.3%     | 0   | 1     | 0.00    | 0.07|
| Debaryomyces hansenii           | 0        | 1       | 0.0%       | 0.3%     | 0   | 1     | 0.00    | 0.07|
| Pichia kluyveri                 | 0        | 1       | 0.0%       | 0.3%     | 0   | 1     | 0.00    | 0.07|
| Rhizopus oryzae                 | 0        | 1       | 0.0%       | 0.3%     | 0   | 1     | 0.00    | 0.07|
| Rhodosporidium kratochvilovae   | 0        | 2       | 0.0%       | 0.5%     | 0   | 2     | 0.00    | 0.27|
| Trichosporon guehoae            | 0        | 1       | 0.0%       | 0.3%     | 0   | 2     | 0.00    | 0.13|
| Total n. isolates               | 1608     | 392     |            |          |     |       |         |     |
| ID strain | Identification by ITS1-4 Sanger sequencing | Growth at supra optimal temperatures | Hyphal and pseudo-hyphal formation | Sporulation | Invasiveness | Oxidative stress (resistance) |
|-----------|------------------------------------------|-------------------------------------|-----------------------------------|-------------|--------------|--------------------------------|
|           |                                          | 40°C | 42°C | 27°C | 37°C | 27°C | 37°C |                  |             |              |
| #17 YMS24-1 | C. parapsilosis                          | ++   | ++   | -    | -    | -    | -    | -    | +++              | +++          |
| #106 YMS102-11 | C. albicans                             | ++   | ++   | +    | -    | +    | -    | -    | +++              | +++          |
| #128 YMS12-3 | C. albicans                              | ++   | ++   | -    | -    | -    | -    | -    | +++              | ++           |
| #18 YMS24-2 | C. albicans                              | ++   | ++   | -    | -    | -    | -    | -    | -                |              |
| #25 YMS25-7 | C. albicans                              | ++   | ++   | +    | -    | +    | -    | -    | +++              | +            |
| #32 YMS25-14 | C. albicans                              | ++   | ++   | +    | -    | +    | -    | -    | +++              | +            |
| #38 YMS25-20 | C. albicans                              | ++   | ++   | -    | +    | -    | +    | -    | +++              | +++          |
| #45 YMS25-27 | C. albicans                              | ++   | ++   | -    | -    | -    | -    | -    | -                | +            |
| #51 YMS27-5 | C. albicans                              | ++   | ++   | -    | -    | -    | -    | -    | +++              |              |
| #6 YMS19-6 | C. albicans                              | ++   | ++   | -    | -    | -    | -    | ++   | -                |              |
| #63 YMS28-7 | Cryptococcus albidus                      | -    | -    | -    | -    | -    | -    | -    | -                |            |
| #120 YSM8-2 | Debaryomyces hansenii                    | ++   | ++   | -    | -    | -    | -    | -    | -                | +++          |
| #119 YSM8-1 | Pichia Kluyver                           | ++   | ++   | -    | -    | -    | -    | -    | -                | +++          |
| #2 YMS19-2 | S. cerevisiae                            | ++   | ++   | -    | -    | -    | -    | ++   | -                |              |
| #3 YMS19-3 | S. cerevisiae                            | ++   | ++   | -    | +    | -    | -    | -    | ++              |              |
| #12 YMS20-2 | S. cerevisiae                            | +    | -    | -    | -    | -    | -    | -    | ++              | +            |
| #13 YMS20-3 | S. cerevisiae                            | ++   | ++   | -    | -    | -    | -    | -    | -                |              |
| #14 YMS20-4 | S. cerevisiae                            | ++   | ++   | -    | -    | -    | -    | ++   | +                | +++          |
| #136 YMS18-1 | S. cerevisiae                            | ++   | ++   | -    | -    | -    | -    | ++   | +                | -            |
| #113 YMS7-1 | T. delbrueckii                           | +    | -    | -    | -    | -    | -    | -    | +                | +            |
| #114 YMS7-2 | T. delbrueckii                           | ++   | ++   | -    | -    | -    | -    | -    | -                |              |
| #117 YMS7-5 | T. delbrueckii                           | ++   | ++   | -    | (pseudo hyphae) | - | ++ | - | +++ |
| #118 YMS7-6 | T. delbrueckii                           | ++   | ++   | -    | -    | -    | -    | -    | -                | +++          |
| #115 YMS7-3 | T. ovoides                               | ++   | ++   | +    | (pseudo hyphae) | (pseudo hyphae) | - | +++ | +++ |
| #111 YMS1-1 | Trichosporon sp                          | ++   | ++   | -    | (pseudo hyphae) | + | - | +++ | + |