

Table S1: Caspofungin, Anidulafungin and Micafungin MICs distribution for isolates recovered between 2009 and 2014 in France

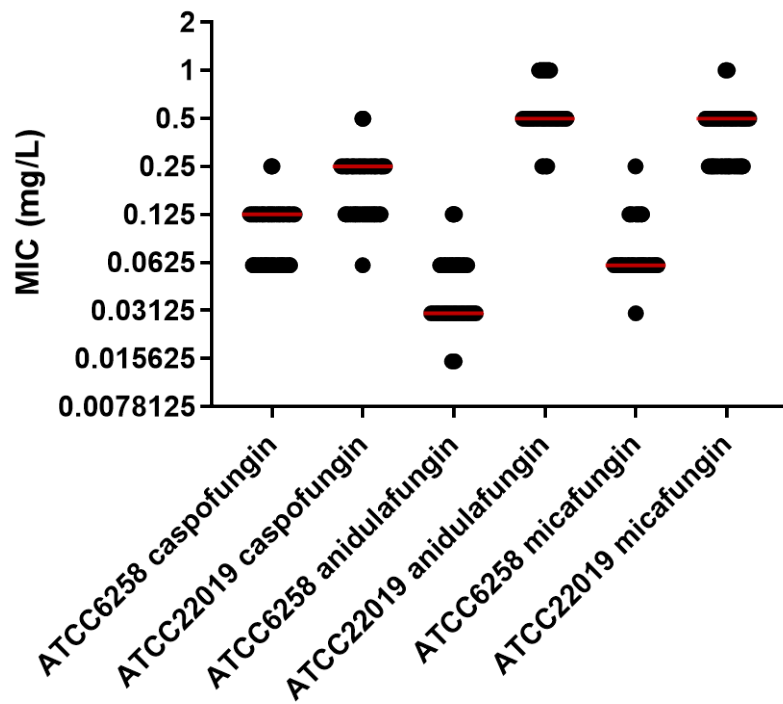
| Species | n | antifungal | N° of isolates with an MIC (mg/L) of: | | | | | | | | | | |
|----------------------------------|------|---------------|---------------------------------------|-------|------|------|-------|------|-----|----|-----|----|----|
| | | | 0.007 | 0.015 | 0.03 | 0.06 | 0.125 | 0.25 | 0.5 | 1 | 2 | 4 | ≥4 |
| <i>Candida albicans</i> | 1198 | caspofungin | | 33 | 902 | 230 | 9 | 3 | 5 | 3 | 4 | 5 | 4 |
| | | micafungin | 4 | 144 | 1004 | 22 | 2 | 3 | 8 | 4 | 6 | | 1 |
| | | anidulafungin | 1111 | 63 | 8 | 1 | 4 | 7 | 3 | | | | |
| <i>Candida dubliniensis</i> | 35 | caspofungin | | 3 | 31 | 1 | | | | | | | |
| | | micafungin | | 4 | 31 | | | | | | | | |
| | | anidulafungin | 5 | 17 | 13 | | | | | | | | |
| <i>Candida tropicalis</i> | 238 | caspofungin | | 13 | 151 | 64 | 6 | | | 1 | | 2 | 1 |
| | | micafungin | 1 | 25 | 200 | 8 | | | 3 | | 1 | | |
| | | anidulafungin | 1 | 40 | 130 | 55 | 7 | 0 | 4 | 0 | 1 | | |
| <i>Candida parapsilosis</i> | 282 | caspofungin | | | 1 | 5 | 42 | 95 | 80 | 48 | 11 | | |
| | | micafungin | | | | | 10 | 109 | 148 | 14 | 1 | | |
| | | anidulafungin | | | | | | 1 | 7 | 85 | 176 | 13 | |
| <i>Candida orthopsilosis</i> | 14 | caspofungin | | | 3 | 6 | 3 | 2 | | | | | |
| | | micafungin | | | | | 5 | 8 | 1 | | | | |
| | | anidulafungin | | | | | | | 5 | 6 | 3 | | |
| <i>Candida metapsilosis</i> | 14 | caspofungin | | | 7 | 4 | 2 | 1 | | | | | |
| | | micafungin | | | | 1 | 6 | 6 | 1 | | | | |
| | | anidulafungin | | | | | 1 | 3 | 10 | | | | |
| <i>Candida glabrata</i> | 466 | caspofungin | | | 56 | 306 | 69 | 8 | 5 | 6 | 1 | 9 | 6 |
| | | micafungin | 9 | 114 | 318 | 8 | 3 | 3 | 6 | 3 | 2 | | |
| | | anidulafungin | 15 | 50 | 260 | 116 | 4 | 3 | 9 | 8 | 1 | | |
| <i>Saccharomyces cerevisiae</i> | 19 | caspofungin | | | | | 13 | 6 | | | | | |
| | | micafungin | | | | 6 | 10 | 3 | | | | | |
| | | anidulafungin | | | | 1 | 6 | 6 | 5 | 1 | | | |
| <i>Candida haemulonii</i> | 13 | caspofungin | | | 7 | 5 | | 1 | | | | | |
| | | micafungin | | | | 11 | 2 | | | | | | |
| | | anidulafungin | | | | 2 | 5 | 6 | | | | | |
| <i>Clavispora lusitaniae</i> | 85 | caspofungin | | | 36 | 37 | 7 | 2 | | 1 | | 2 | |
| | | micafungin | | | 13 | 63 | 6 | | 1 | 1 | | 1 | |
| | | anidulafungin | | 3 | 4 | 26 | 39 | 9 | 1 | 2 | 1 | | |
| <i>Meyerozyma guilliermondii</i> | 23 | caspofungin | | | 2 | 8 | 11 | 2 | | | | | |
| | | micafungin | | | | 2 | 4 | 16 | 1 | | | | |
| | | anidulafungin | | | | | | | 2 | 11 | 8 | 2 | |
| <i>Candida inconspicua</i> | 20 | caspofungin | | | 8 | 10 | 2 | | | | | | |
| | | micafungin | | 2 | 18 | | | | | | | | |
| | | anidulafungin | 1 | 11 | 5 | 3 | | | | | | | |
| <i>Pichia kudriavzevii</i> | 137 | caspofungin | | | | 30 | 81 | 21 | 1 | 1 | 1 | 2 | |
| | | micafungin | | | 2 | 76 | 51 | 4 | 1 | 1 | 2 | | |
| | | anidulafungin | | 4 | 42 | 81 | 7 | 0 | 3 | | | | |
| <i>Kluyveromyces marxianus</i> | 63 | caspofungin | 3 | 19 | 35 | 3 | 1 | 1 | 1 | | | | |
| | | micafungin | | | 18 | 42 | 1 | | 2 | | | | |
| | | anidulafungin | 1 | 3 | 9 | 30 | 16 | 3 | | 1 | | | |

Table S1 (continued)

| | | N° of isolates with an MIC (mg/L) of: | | | | | | | | | | | | |
|----------------------------------|----|---------------------------------------|---|---|----|---|---|---|---|----|----|----|----|----|
| <i>Wickerhamomyces anomalous</i> | 12 | caspofungin | | | 3 | 9 | | | | | | | | |
| | | micafungin | | 2 | 10 | | | | | | | | | |
| | | anidulafungin | 1 | 3 | 7 | 1 | | | | | | | | |
| <i>Saprochaete clavata</i> | 72 | caspofungin | | | | | | 2 | 2 | 2 | 66 | | | |
| | | micafungin | | | | | 1 | 6 | 9 | 10 | 6 | 40 | | |
| | | anidulafungin | | | | | | | | 7 | 12 | 53 | | |
| <i>Magnusiomyces capitatus</i> | 22 | caspofungin | | | | | | | | | 22 | | | |
| | | micafungin | | | | | | | 1 | 2 | 3 | 16 | | |
| | | anidulafungin | | | | 1 | | | | 1 | 12 | 8 | | |
| <i>Galactomyces candidus</i> | 20 | caspofungin | 1 | 1 | | 1 | 1 | 3 | 1 | 2 | 1 | 2 | 7 | |
| | | micafungin | 1 | 1 | 2 | 1 | 3 | | | 3 | 1 | 4 | 1 | 3 |
| | | anidulafungin | 2 | | 1 | | 1 | 3 | 1 | | 1 | 3 | 3 | 8 |
| <i>Yarrowia lipolytica</i> | 10 | caspofungin | | | | 1 | 5 | 1 | 2 | | | | 1 | |
| | | micafungin | | | | | | | 9 | 1 | | | | |
| | | anidulafungin | | | | | | | 2 | 5 | 2 | | | 1 |
| <i>Rhodotorula mucilaginosa</i> | 18 | caspofungin | | | | | | | | | | | 18 | |
| | | micafungin | | | | | | | | | | | 3 | 15 |
| | | anidulafungin | | | | | | | | | | | 2 | 16 |
| <i>Trichosporon asahii</i> | 26 | caspofungin | | | | | | | | | 2 | 15 | 9 | |
| | | micafungin | | | | | | | | 9 | 5 | 1 | 11 | |
| | | anidulafungin | | | | | | | | | | 2 | 24 | |

Table S2: Caspofungin, Anidulafungin and Micafungin local ECOFF values calculated with ECOFFinder program, for the isolates recovered during the YEASTS program in Paris area

| Species (nb of isolates) | NRCMA local cut-offs (mg/L) | | | EUCAST T-ECOFF (mg/L) |
|---------------------------------------|-----------------------------|-----------|---------------|-----------------------|
| | Caspofungin | Micafugun | Anidulafungin | Anidulafungin |
| <i>Candida albicans</i> (n=968) | 0.06 | 0.06 | 0.015 | 0.032 |
| <i>Candida glabrata</i> (n=334) | 0.125 | 0.06 | 0.125 | 0.06 |
| <i>Candida parapsilosis</i> (n=199) | 4 | 1 | 2 | 4 |
| <i>Candida tropicalis</i> (n=162) | 0.125 | 0.06 | 0.125 | 0.06 |
| <i>Pichia kudriavzevii</i> (n=60) | 0.5 | 0.125 | 0.25 | 0.06 |
| <i>Kluyveromyces marxianus</i> (n=34) | 0.25 | 0.125 | 0.25 | ND |
| <i>Clavispora lusitaniae</i> (n=46) | 0.06 | 0.125 | 1 | ND |



Supplemental Figure 1. MIC values for caspofungin and anidulafungin for control strains over time. Median are indicated in red. According to the EUCAST, target values for anidulafungin are 0.03mg/L and 0.5mg/L for ATCC6258 and ATCC22019, respectively. Ranges of acceptable values for anidulafungin are 0.015-0.06mg/L and 0.25-1mg/L for ATCC6258 and ATCC22019, respectively.