

Supplementary Information

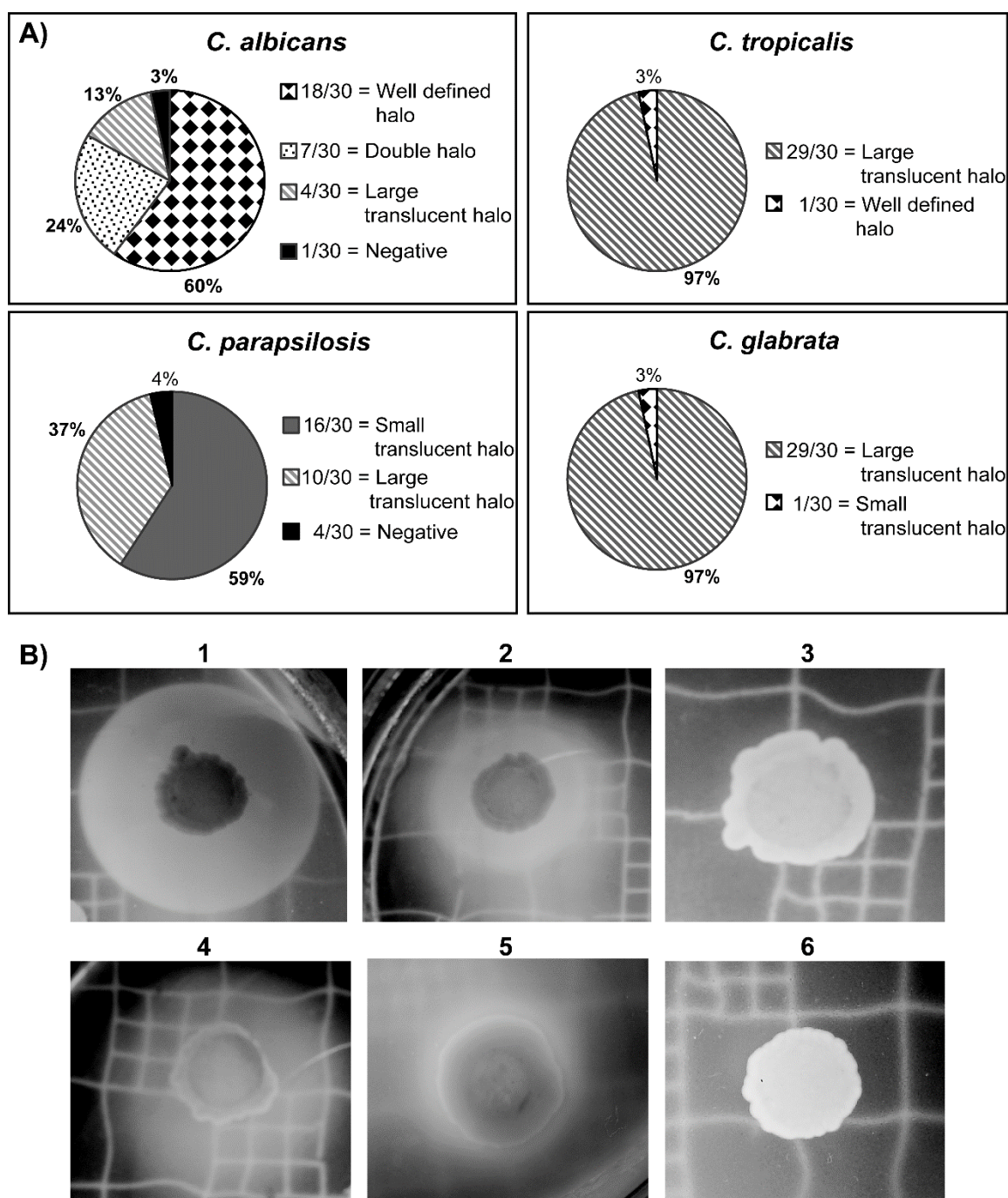


Figure 1. Precipitation halos of *Candida* spp. clinical isolates grown in modified egg yolk agar. Percentages and forms of precipitation halos of *Candida* spp., a total of 30 isolates of each species were analyzed and results are summarized. (A) *C. albicans*, (B) *C. tropicalis*, (C) *C. parapsilosis* (D), *C. glabrata*. (E) Representative images of halos produced by strains of *Candida* spp., the forms were classified as follows: 1 marked, 2 Double halo, 3 Negative Strains without precipitation, 4 translucent halo with extended area (large halo), 5 translucent halo with minor area (small halo), 6 a strain of *Trichosporon asahii* was used as a negative control in which no halo of precipitation is observed.

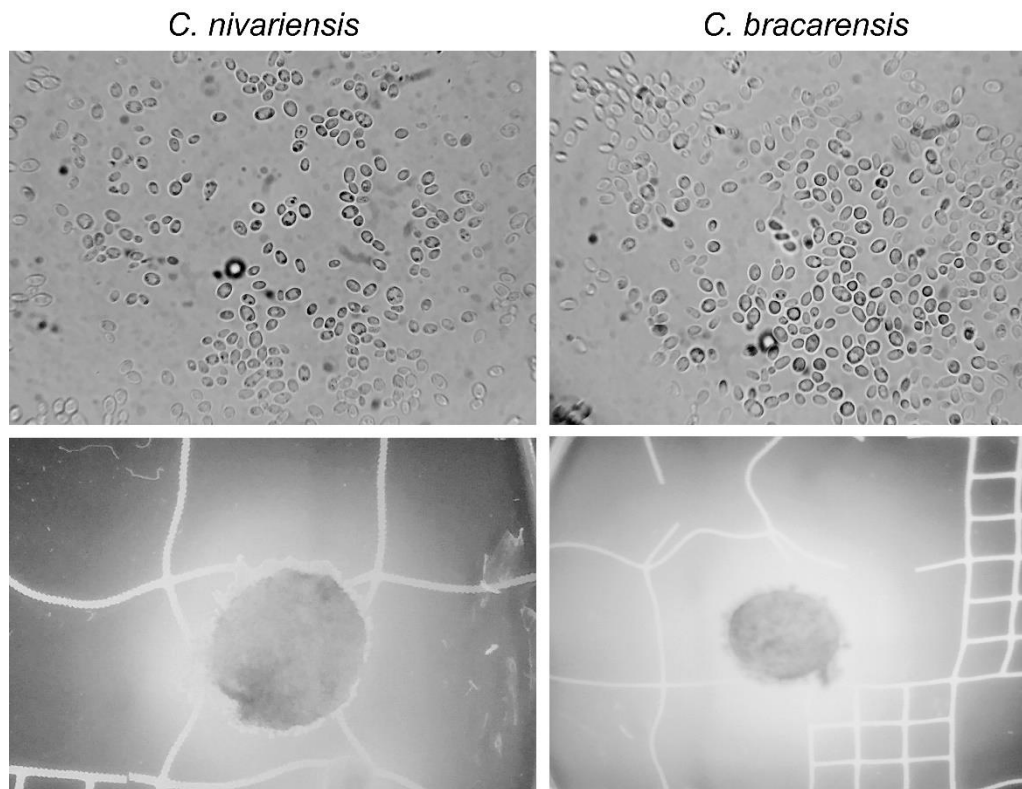


Figure 2. DNase and Hemolysin activity among isolates of *Candida spp.* (A) Experiments were made in triplicate and DNase and hemolysin activity are summarized. (B) Representative images of DNase and hemolysin activity in the *Candida spp.* isolates used in this study are shown. *Staphylococcus aureus* DNase and hemolysin activity was used as positive control.

A)

Strain	Hemolysin activity	DNases activity
<i>C. albicans</i>		
A1	-	+
A11	-	+
A13	-	+
A14	-	+
A25	-	+
<i>C. tropicalis</i>		
D2	-	+
D3	-	+
D14	-	+
D15	-	+
D24	-	+
<i>C. parapsilosis</i>		
B9 (negative phospholipase activity)	-	+
B4 (poor phospholipase activity)	-	+
B5 (poor phospholipase activity)	-	+
B11 (high phospholipase activity)	-	+
B22 (high phospholipase activity)	-	+
<i>C. glabrata</i>		
C12	-	-
C16	-	-
C20	-	-
C21	-	-
C26	-	-
<i>C. braccarensis</i>	-	-
<i>C. nivariensis</i>	-	-

No activity -

Weak activity +

B)

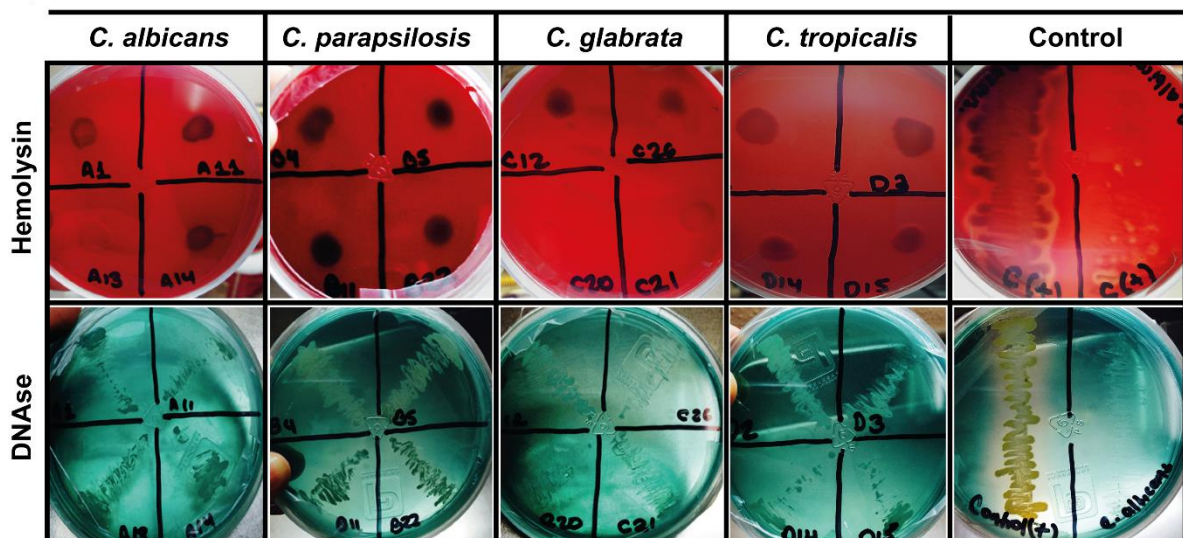


Figure 3. Morphological characterization and phospholipase activity of *C. braccarensis* and *C. nivariensis*. (A) Bright field images depicting only yeast forms in culture (B) Phospholipase activity halos of each strains after growth in modified egg yolk agar.

Table 1. Multiple comparison test analyses at different time points of phospholipase activity and growth for *Candida ssp.* species. Experiments were made by triplicate; ns not significant, **** $p \leq 0.0001$, *** $p \leq 0.001$, ** $p \leq 0.05$, * $p \leq 0.5$.

	24 h		48 h		72 h		120 h	
Clinical Isolate and Treatment	Pz Growth value		Pz Growth value		Pz Growth value		Pz Growth value	
Solid media vs. Liquid pre-culture 24h								
<i>C. albicans</i>	ns	****	ns	****	ns	****	ns	****
<i>C. glabrata</i>	*	ns	ns	****	ns	ns	ns	**
<i>C. parapsilosis</i> (++)	ns	*	ns	****	ns	****	ns	****
<i>C. parapsilosis</i> (++++)	**	ns	****	****	*	ns	**	***
<i>C. tropicalis</i>	ns	**	ns	ns	ns	***	ns	****
Solid media vs. Liquid pre-culture 72h								
<i>C. albicans</i>	ns	***	ns	***	ns	****	ns	****
<i>C. glabrata</i>	*	ns	ns	****	ns	ns	ns	**
<i>C. parapsilosis</i> (++)	ns	ns	ns	***	ns	****	ns	****
<i>C. parapsilosis</i> (++++)	*	**	****	****	ns	***	*	ns
<i>C. tropicalis</i>	ns	ns	ns	ns	ns	****	***	ns
Solid media vs. Liquid pre-culture 120h								
<i>C. albicans</i>	ns	ns	****	****	****	****	**	****
<i>C. glabrata</i>	ns	ns	ns	****	ns	***	ns	ns
<i>C. parapsilosis</i> (++)	ns	ns	ns	**	ns	****	ns	****
<i>C. parapsilosis</i> (++++)	ns	*	****	****	**	*	*	*
<i>C. tropicalis</i>	ns	ns	***	*	****	****	****	ns
Solid media vs. <i>T. asahii</i>								
<i>C. albicans</i>	ns	****	****	****	****	ns	****	ns
<i>C. glabrata</i>	ns	*	****	****	****	ns	****	ns
<i>C. parapsilosis</i> (++)	ns	****	ns	ns	ns	ns	***	ns
<i>C. parapsilosis</i> (++++)	ns	****	ns	****	****	ns	****	ns
<i>C. tropicalis</i>	ns	****	****	****	****	ns	****	ns
Liquid pre-culture 24h vs. Liquid pre-culture 72h								
<i>C. albicans</i>	ns	ns	ns	ns	ns	ns	ns	ns
<i>C. glabrata</i>	ns	ns	ns	ns	ns	ns	ns	ns
<i>C. parapsilosis</i> (++)	ns	ns	ns	ns	ns	ns	ns	**
<i>C. parapsilosis</i> (++++)	ns	ns	ns	ns	ns	**	ns	*
<i>C. tropicalis</i>	ns	***	ns	ns	ns	**	**	****
Liquid pre-culture 24h vs. Liquid pre-culture 120h								
<i>C. albicans</i>	ns	*	****	ns	****	ns	*	ns
<i>C. glabrata</i>	*	ns	ns	ns	ns	ns	ns	ns
<i>C. parapsilosis</i> (++)	ns	ns	ns	ns	ns	ns	ns	***

<i>C. parapsilosis</i> (++++)	ns	ns	ns	ns	ns	ns	ns	****
<i>C. tropicalis</i>	*	ns	****	ns	****	****	****	****
Liquid pre-culture 24h vs. <i>T. asahii</i>								
<i>C. albicans</i>	ns	ns	****	ns	****	****	****	****
<i>C. glabrata</i>	*	ns	****	ns	****	**	****	****
<i>C. parapsilosis</i> (++)	ns	ns	ns	*	*	****	***	****
<i>C. parapsilosis</i> (++++)	ns	****	****	ns	****	ns	****	****
<i>C. tropicalis</i>	****	****	***	***	***	***	****	***
Liquid pre-culture 72h vs. Liquid pre-culture 120h								
<i>C. albicans</i>	ns	ns	****	ns	****	ns	***	ns
<i>C. glabrata</i>	*	ns	ns	ns	ns	ns	ns	ns
<i>C. parapsilosis</i> (++)	ns	ns	ns	ns	ns	ns	ns	ns
<i>C. parapsilosis</i> (++++)	ns	ns	ns	ns	ns	ns	ns	***
<i>C. tropicalis</i>	ns	*	****	ns	****	ns	*	***
Liquid pre-culture 72h vs. <i>T. asahii</i>								
<i>C. albicans</i>	ns	**	****	ns	****	****	****	****
<i>C. glabrata</i>	*	***	****	ns	****	**	****	****
<i>C. parapsilosis</i> (++)	ns	***	ns	ns	**	****	***	****
<i>C. parapsilosis</i> (++++)	**	**	****	ns	****	**	****	**
<i>C. tropicalis</i>	*	****	***	*	****	****	****	ns
Liquid pre-culture 120h vs. <i>T. asahii</i>								
<i>C. albicans</i>	ns	****	ns	ns	****	****	****	****
<i>C. glabrata</i>	ns	***	****	ns	****	****	****	****
<i>C. parapsilosis</i> (++)	ns	****	ns	ns	ns	****	****	****
<i>C. parapsilosis</i> (++++)	*	****	****	ns	****	ns	****	ns
<i>C. tropicalis</i>	ns	****	****	ns	****	****	****	****