

Appendix 1: Strain's name and genbank accession number of Tunisian intestinal yeasts (n=56)

Species	Strain's name	GenBank accession number
<i>Candida albicans</i> (n=21)	SS3	MT777623
	SS4	MT777624
	SS5	MT777625
	SS9	MT777629
	SS10	MT777630
	SS11	MT777631
	SS12	MT777632
	SS19	MT777639
	SS20	MT777640
	SS21	MT777641
	SS22	MT777642
	SS27	MT777647
	SS31	MT777651
	SS32	MT777652
	SS33	MT777653
	SS34	MT777654
	SS37	MT777657
	SS39	MT777659
	SS43	MT777663
	SS53	MT777673
	SS56	MT777676
<i>Candida glabrata</i> (n=9)	SS1	MT777621
	SS2	MT777622
	SS8	MT777628
	SS14	MT777634
	SS17	MT777637
	SS18	MT777638
	SS36	MT777656
	SS44	MT777664
	SS47	MT777667
<i>Candida dubliniensis</i> (n=1)	SS23	MT777643
<i>Candida parapsilosis</i> (n=10)	SS24	MT777644
	SS26	MT777646
	SS30	MT777650
	SS38	MT777658
	SS42	MT777662
	SS45	MT777665
	SS46	MT777666
	SS48	MT777668
	SS50	MT777670
	SS51	MT777671
<i>Candida tropicalis</i> (n=1)	SS52	MT777672
<i>Rhodotorula mucilaginosa</i> (n=1)	SS6	MT777626
<i>Candida kefyr</i> (n=1)	SS28	MT777648
<i>Geotrichum capitatum</i> (n=2)	SS29	MT777649

	SS54	MT777674
<i>Trichosporon asahii</i> (n=1)	SS49	MT777669

Appendix 2: Strains from GeneBank database used in interspecific analysis

Species	Strain Name	Accession number	Country origins
<i>Candida tropicalis</i>	35_01_05	MT193534.1	Vietnam
	ATCC13803	KU729076.1	Reference strain
<i>Candida parapsilosis</i>	P48L1	KP878251.1	Algeria
	P11L1	KP878244.1	Algeria
	IHEM 17737	KP131768.1	Belgique
	ATCC22019	NR_130673	Reference strain
<i>Candida krusei</i>	SJC107	MH470251.1	India
	SJC108	MH470252.1	India
	P1L1	KP878240.1	Algeria
	ATCC6258	KC601852.1	Reference strain
<i>Candida albicans</i>	CD1618	MW279244.1	Italy
	CD1601	MW279242.1	Italy
	CD1689	MW279243.1	Italy
	CD1624	MW279245.1	Italy
	P35L1	KP878249.1	Algeria
	P51L1	KP878253.1	Algeria
	P15L1	KP878245.1	Algeria
	P49L1	KP878252.1	Algeria
	P21L1	KP878247.1	Algeria
	P54L1	KP878254.1	Algeria
	GYFYH1	KY072755.1	China
	JF101	MW534712.1	Saudi Arabia
	ATCC24433	KU729057.1	Reference strain
<i>Candida glabrata</i>	DM 10	KX450790.1	Brazil
	DM 01	KX450781.1	Brazil
	DM 12	KX450792.1	Brazil
	DM 57	KX450836.1	Brazil
	DM 69	KX450848.1	Brazil
	DM 73	KX45082.1	Brazil
	DM 76	KX450855.1	Brazil
	DM 78	KX450857.1	Brazil
	ATCC90030*	KU729066.1	Reference strain
<i>Candida dubliniensis</i>	CBS 7987	MW284524.1	Reference strain
<i>Candida kefyr</i> *	CBS 712	NR_111251.1	Reference strain

Rozella. rhizoclosmatii

JEL 863

NR_147650.1

Reference strain

Appendix 3: Phenotypic characteristics of *Candida* isolates (n=52)

Samples	Isolates	H ₂ O ₂ 0.5mM *	H ₂ O ₂ 2mM*	H ₂ O ₂ 4mM*	H ₂ O ₂ 8mM*	pH3*	pH2*	Biofilm**	FLC	VOR	CAS	MFG	AmpB	5-Flu
Sample 1	<i>Candida glabrata_1</i>	++	++	++	++	-	++	-	I	S	R	S	S	S
Sample 2	<i>Candida glabrata_2</i>	++	+++	++	++	++	++	+++	I	S	R	R	S	S
Sample 3	<i>Candida albicans_1</i>	+	+	+	+	+	-	+++	I	S	I	S	S	S
Sample 4	<i>Candida albicans_2</i>	++	++	++	+	+	-	+++	S	S	S	S	S	S
Sample 5	<i>Candida albicans_3</i>	++	+++	++	++	++	+	+++	R	S	I	S	S	S
Sample 6	<i>Candida krusei_1</i>	++	-	-	-	++	-	++	R	S	I	S	S	I
	<i>Candida glabrata_3</i>	+	-	-	-	++	-	-	I	S	I	S	S	S
	<i>Candida albicans_4</i>	+++	++	++	-	+++	++	+++	S	S	S	S	S	S
Sample 7	<i>Candida albicans_5</i>	++	++	+	-	+++	+	+++	S	S	S	S	S	S
Sample 8	<i>Candida albicans_6</i>	++	++	++	++	++	++	+++	S	S	I	I	S	S
Sample 9	<i>Candida albicans_7</i>	++	+	++	+	++	-	+++	S	S	R	I	S	S
Sample 9	<i>Candida Krusei_2</i>	+	-	-	-	++	-	+++	R	S	I	S	S	I
Sample 10	<i>Candida glabrata_4</i>	++	+	+	+	++	++	++	I	S	I	S	S	S
	<i>Candida krusei_3</i>	+	-	-	-	++	-	+++	R	S	I	S	S	I
Sample 11	<i>Candida Krusei_4</i>	++	-	-	-	++	-	+++	R	S	I	S	S	I
	<i>Candida glabrata_5</i>	++	-	+	++	++	-	++	I	S	I	S	S	S
Sample 12	<i>Candida glabrata_6</i>	+	+	++	-	++	-	+++	I	S	I	S	S	S
Sample 13	<i>Candida albicans_8</i>	++	+	+	++	++	-	+++	R	S	S	S	S	S
Sample 14	<i>Candida albicans_9</i>	++	++	++	++	++	-	+++	S	S	S	S	S	S
Sample 15	<i>Candida albicans_10</i>	+++	++	++	++	++	-	+++	R	S	S	S	S	S
Sample 16	<i>Candida albicans_11</i>	++	++	++	++	++	-	-	R	S	S	S	S	S
Sample 17	<i>Candida dubliniensis_1</i>	++	++	++	++	++	-	+++	S	S	S	S	S	S
Sample18	<i>Candida parapsilosis_1</i>	++	++	+	+	++	-	++	S	S	S	S	S	S
Sample 19	<i>Candida krusei_5</i>	++	-	-	-	++	-	+++	R	S	I	S	S	I
	<i>Candida parapsilosis_2</i>	++	++	++	++	++	-	-	S	S	S	S	S	S

	<i>Candida albicans_12</i>	+++	+++	+++	++	++	-	+++	S	S	I	I	S	S
Sample 20	<i>Candida kefyr_1</i>	++	++	+	-	++	-	++	S	S	S	S	S	S
	<i>Candida parapsilosis_3</i>	++	++	++	++	+	-	-	S	S	S	S	S	S
Sample 21	<i>Candida albicans_13</i>	+++	++	++	-	+	-	+++	S	S	S	I	S	S
Sample 22	<i>Candida albicans_14</i>	++	++	++	++	+	-	++	R	S	S	S	S	S
Sample 23	<i>Candida albicans_15</i>	++	++	++	++	+	-	+++	S	S	S	I	S	S
Sample 24	<i>Candida albicans_16</i>	+++	++	++	+	++	+	+++	S	S	S	I	S	S
Sample 25	<i>Candida krusei_6</i>	++	-	-	-	++	+	+++	R	S	I	S	S	I
	<i>Candida glabrata_7</i>	++	++	+	++	+++	++	+++	I	S	S	S	S	S
	<i>Candida albicans_17</i>	++	++	+	-	+++	-	+++	S	S	S	S	S	S
Sample 26	<i>Candida parapsilosis_4</i>	-	++	++	++	++	-	+++	S	S	S	S	S	S
Sample 27	<i>Candida albicans_18</i>	++	++	+	+	+	-	+++	S	S	S	I	S	S
Sample 28	<i>Candida krusei_7</i>	+	-	-	-	++	-	+++	R	S	I	S	S	I
Sample 29	<i>Candida krusei_8</i>	++	-	-	-	++	-	+++	R	S	I	S	S	I
Sample 30	<i>Candida parapsilosis_5</i>	+++	++	++	++	+	-	+++	S	S	S	S	S	S
Sample 30	<i>Candida albicans_19</i>	++	+	++	++	++	-	+++	S	S	S	I	S	S
Sample 31	<i>Candida glabrata_8</i>	++	+	++	+	++	-	++	I	S	S	S	S	S
Sample 32	<i>Candida parapsilosis_6</i>	++	++	++	+	++	-	+++	S	S	S	S	S	S
Sample 33	<i>Candida parapsilosis_7</i>	+++	++	++	+	++	-	+++	S	S	S	S	S	S
	<i>Candida glabrata_9</i>	+	+	-	-	++	-	+++	I	S	I	S	S	S
Sample 34	<i>Candida parapsilosis_8</i>	+	++	++	++	++	-	+++	S	S	S	S	S	S
Sample 35	<i>Candida parapsilosis_9</i>	++	++	++	++	++	-	+++	S	S	S	S	S	S
Sample 36	<i>Candida parapsilosis_10</i>	++	++	+	-	++	-	+++	S	S	S	S	S	S
	<i>Candida tropicalis_1</i>	++	-	-	-	++	-	+++	S	S	S	S	S	S
	<i>Candida albicans_20</i>	-	++	-	-	++	-	+++	S	S	S	S	S	S
Sample 37	<i>Candida Krusei_9</i>	++	-	-	-	++	-	-	R	S	I	S	S	I
	<i>Candida albicans_21</i>	++	++	++	++	+	-	+++	S	S	I	I	S	S

* (-) no growth: Percent survival $\leq 1\%$; (+) poor growth $1\% < \text{Percent survival} \leq 10\%$;

(++) good growth 10 % < Percent survival ≤100%; (+++) very good growth Percent survival >100% (1)

* (-) Non adhesive OD ≤ OD_c; (+) Weakly adhesive OD_c < OD ≤ 2 x OD_c; (++) Moderately adhesive 2 x OD_c < OD ≤ 4 x OD_c; (+++) Very adhesive 4 x OD_c < OD (2)

FLC: fluconazole; CAS: caspofungin; MIC: micafungin; AmpB: amphotéricine B; 5-Flu: 5-flucytosine

S: sensible; I: intermediate; R: resistant

FLC: Fluconazole, VOR: Voriconazole, CAS: Caspofungin, MGF: Micafungine, AMB: Amphotericin B 5-Flu : 5-Flucytosine

References

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