**TABLE S1** Primers used for PCR and sequencing of the target genes.

Oligo Name	Sequence	Target gene/Purpose	PCR product sizes	PCR program	Reference
Cp-ERG11- Fexternal	AACAAAGATCATACGACTG	CpERG11/PCR and sequencing	1805bps	5min 95°C, 35 cycles of [30sec,	This study
Cp-ERG11-R1	TAGTCAAATGTTGATAGG	CpERG11/sequencing		95°C; 30sec, 52	This study
Cp-ERG11-F1	AAGGGTCATGAATTTGTG	CpERG11/sequencing		°C; and 2min,72°C], 8min, 72°C	This study
Cp-ERG11-R2	GAGGTAATGGCAAGTGTG	CpERG11/sequencing			This study
Cp-ERG11-F2	AGGAGAAGCAATGAGGAA	CpERG11/sequencing			This study
Cp-ERG11-R3	TTGTATGAGCATAACCTG	CpERG11/sequencing			This study
Cp-ERG11-F3	CCATTACATTCCATATTCA	CpERG11/sequencing			This study
Cp-ERG11-		CpERG11/PCR and	1805bps		This study
Rexternal	CATTCTGCATTAAACCCC	sequencing			
Cp-TAC1- Fexternal	GTCCAACCTTAGCTTCTT	<i>CpTAC1</i> /PCR and sequencing	3096ps	5min 95°C,35 cycles of [	This study
Cp-TAC1R1	TCCTTCTTTCTCGTGAC	<i>CpTAC1</i> /sequencing		30sec, 95°C;	This study
Cp-TAC1-F1	CATGGATATAGATTCGC	<i>CpTAC1</i> /sequencing		30sec, 52°°C; and 3min,72°C], 8min, 72°C	This study
Cp-TAC1-R2	TAGAGTCACAATAGGAAA	CpTAC1/sequencing		01111, 72 0	This study
Cp-TAC1-F2	GCAAAGTTAAATCACTTG	CpTAC1/sequencing			
Cp-TAC1-R3	CTTCAGGTCAATAAAATG	CpTAC1/sequencing			
Cp-TAC1-F4	CATATCAGTTGTACAGAA				
Cp-TAC1-F3	CTACGTGACTTTGATGC	CpTAC1/sequencing			This study
Cp-TAC1-R4	TTCTTGGTACAATTCGG	<i>CpTAC1</i> /sequencing	0007		
Cp-TACI-		<i>CpTAC1</i> / PCR and	3096bps		This study
Kexternal	TCTCTAAAATACAGCTCTC	sequencing			
Cp-MRR1- Fexternal	CTGTATGGAGAGTGAGAT	<i>CpMRR1</i> /PCR and sequencing	3850bps	5min 95°C,35 cycles of [	This study
Cp-MRR1-F1	AAACTGTGTAAAGGCTA	CpMRR1/sequencing		30sec, 95°C;	This study
Cp-MRR1-F2		CpMRR1/sequencing		30sec, 52°C; and	This study
	AATTTATCAAACACGAGA			4min,72°C], 8min, 72°C	
Cp-MRR1-F3	AGAAGAGTTTATCGAGTG	CpMRR1/sequencing			This study

Cp-MRR1-F4	TTTATCAGCGTTGGTTG	CpMRR1/sequencing			This study
Cp-MRR1-F5	TTGACGTATTTTTACTTG	CpMRR1/sequencing			This study
Cp-MRR1-F6	GGTCAATTTGTGTGAAG	CpMRR1/sequencing			This study
Cp-MRR1- Rexternal	GTTACAGGTGTATAGTGG	<i>CpMRR1</i> /PCR and sequencing	3850bps		This study
Cp-MRR1-R1	GAATTTCTGTCTCTGATT	CpMRR1/sequencing			This study
Cp-MRR1-R2	ATTTGTCCTTGAATCAG	CpMRR1/sequencing			This study
Cp-MRR1-R3	CAAGTCTAGTCTTTTCTC	CpMRR1/sequencing			This study
Cp-MRR1-R4	TTCTTTCTCTTATCTGTT	CpMRR1/sequencing			This study
Cp-MRR1-R5	GATAAACATATCACAAATCA	CpMRR1/sequencing			This study
Cp-MRR1-R6	TATCCTTTGATGTCGATG	CpMRR1/sequencing			This study
Cp-UPC2- Fexternal	AGAGTGAGAGACAGTATC	CpUPC2/PCR and sequencing	2750bps	5min 95°C,35 cycles of [	This study
Cp-UPC2-R1	TACCGAACTGTCCAAAC	CpUPC2/sequencing		30sec, 95°C; 30sec, 52°C; and 3min,72°C], 8min, 72°C	This study
Cp-UPC2-F1	GATCTTTGGATGGGTTG	CpUPC2/sequencing			This study
Cp-UPC2-R2	TGTTGCTGTTGTTGTTGA	CpUPC2/sequencing			This study
Cp-UPC2-F2	CGAGACCAATTGAATATG	CpUPC2/sequencing			This study
Cp-UPC2-R3	TGTTGCTGCACCTTTTAC	CpUPC2/sequencing			This study
Cp-UPC2-F3	GATTATGGACTCATTGGC				This study
Cp-UPC2-R4	AAATCCATCATCATATGC	CpUPC2/sequencing			This study
Cp-UPC2-	TTCAGTTGAAATCTCCTTC	CpUPC2/PCR and	2750bps		This study
Rexternal		sequencing			

Starin #	Erg11p	AVG CTB	AVG CV	SD CTB	SD CV
<b>**</b> 17P	Y132F	62129,75	0,84975	7392,21	0,152901
**19P	Y132F	47658,5	0,563167	16486,37	0,106059
**2P	Y132F	72496	0,911167	11591,54	0,11853
**3P	Y132F	68093,83	0,904583	9833,773	0,124455
**30P	Y132F	220660,8	6,682	10473,24	0,114979
**45P	Y132F	46916,25	0,569333	7045,647	0,065245
**56FS	Y132F	74271,33	2,4625	10517,19	0,197098
**67FS	Y132F	220025,2	2,562667	12514	0,020861
**68FS	Y132F+K143R	157217,6	1,916	15421,05	0,021894
**96P	Y132F+K143R	186353,4	3,370667	22637,79	0,079691
**97FS	Y132F	179695,8	3,082667	9885,604	0,0251
10P	G458S, T519A	233358,6	4,6325	18999,61	0,321584
26R	Q250K, R398I,				
	G458S	207154,2	8,824667	11208,06	0,065908
31P	G458S	242899,1	5,804	20401,04	0,050735
34R	R398I	154564,8	2,317917	13999,69	0,210447
36P	G458S	248692,6	5,861333	11939,6	0,116
37R	R398I	57344,92	0,396917	13438,28	0,122315
54R	None	178940,9	2,401333	28932,24	0,025882
65P	G458S	215346,3	3,93	9241,754	0,042824
91P	G458S	217026,8	5,161333	20360,58	0,100241

**TABLE S2** Results of the comparative biofilm production assay for selected isolates.

The data are expressed as the mean  $\pm$  standard deviation for crystal violet and resazurin-based viability staining (n = 12 wells).

Strain #	Erg11p	Mrr1p	Tac1p	Upc2p	Fluconazole (mg/L)	Voriconazole (mg/L)
1R	Y132F, K143R			L38I	>32	2
21R			F186I		2	<0,03
22R				G342S	16	<0,03
23R					4	<0,03
25R	R398I			A793S	2	<0,03
26R	Q250K, R398I, G458S	P295L, Q1074*	L390I		16	0,25
27R	R398I				4	0,25
28R			L578M	L38I, A793S	1	0,06
30R	Y132F, K143R				>32	1
31R	R398I				2	0,06
33R					0,5	0,0156
34R	R398I		G490R		32	0,25
37R	R398I				>32	0,5
38R	R398I		G490R, S760R, A761G		32	0,5
39R	R398I		L578M	A793S	4	0,125
41R	Y132F, K143R			L38I	32	0,06
42R	R398I				2	<0,03
43R	K143R			L38I	16	0,5
44R		K606E	E312D		2	0,06
46R				A793S	0,5	0,0156
47R	R398I			Q348P	0,5	<0,03
48R	R398I		N7I		0,5	<0,03
49R	R398I				0,25	0,0156
50R	Y132F, K143R			L38I	>32	1
51R	R398I		L390I		2	0,03
52R	R398I				2	0,03
54R					32	0,125
70R				A793S	0,125	<0,03
72R			N7I	L38I, A793S	0,5	<0,03
105R				L38I	0,5	0,0156
127R	R398I			P201S	2	<0,03
5FS	Y132F (A395W)			L38I, A793S	>32	0,25
6FS	Y132F, K143R			L38I, A793S	>32	1
15FS	Y132F, K143R			A793S	>32	1
56FS	Y132F				>32	2
59FS	Y132F, K143R				>32	1
62R	R398I				0,5	<0,03
63R			L574F		0,25	<0,03
64R			N7Y, A352V	A793S	0,25	<0,03
67FS	Y132F (A395W)				32	0,5

TABLE S3 Results of the azole antifungal susceptibility assay and amino acid substitutions found in proteins implicated in azole resistance.

68FS	Y132F, K143R				32	0,5
69FS	Y132F, K143R			L38I, A793S	>32	1
76R				\$577*	0.06	0.0156
94FS	Y132F			L38I, A793S	>32	0,125
97FS	Y132F (A395W)				32	0,5
101FS	Y132F, K143R			L38I. A793S	>32	1
106FS	Y132F, K143R			A793S	>32	1
107FS	Y132F, K143R		A21V		>32	1
108FS	Y132F		A21V		8	0,06
112FS	K143R		A21V	A793S	>32	0,5
1P			L578M, N602Y	A793S	0.5	< 0.03
2P	Y132F		L578M	A793S	8	0.25
3P	Y132F		N7Y, L578M	A793S	8	0.25
4P		NA	NA	NA	0.5	<0.03
5P					0.125	<0.03
6P	R398I				0.5	<0.03
7P	Y132F_K143R	L926*			>32	0.5
99	Y132F	1/10		A793S	>32	2
10P	G458S, T519A			A793S	16	0.5
15P	¥132F			A793S	8	0.125
16P	R398I			11,555	2	0.06
17P	Y132F				8	0.25
18P	V132F K143R				>32	4
19P	Y132F				8	0.125
25P	Y132F	G427V	P150H		8	0.25
30P	Y132F	0.277	110011		16	0.25
31P	G458S				>32	1
35P	Y132F. G307A				>32	2
36P	G458S				16	0.5
37P	Y132F				>32	0.5
38P	R398I		G490R		0.06	0.03
40P	Y132F			L38I	16	0.25
41P	Y132F			A793S	8	0.125
42P	Y132F			E7*	8	0.25
43P	Y132F. K143R				>32	1
45P	Y132F				8	0.25
47P	Y132F			P45H	8	0.25
49P	Y132F. G307A				>32	2
50P	Y132F			P45H, A793S	8	0.125
54P	Y132F_K143R		0965K M966V	1 1011,117705	>32	1
55P		L419F	2,001,000		8	0.25
59P	Y132F	2.171		O372H	8	0.25
60P	Y132F	O1027R	D603V P803L	20121	8	0,125
65P	G458S	×	2000 ., 10002	O371H	16	0.5
75P	Y132F	01027R		20,111	8	0.25
77P	V132F G307A	X102/1X		L 38L 0371H	16	0.5
//1	11521,050711			1501, Q57111	10	0,5

81P	Y132F, K143R	G472V		>32	0,5
87P	Y132F, K143R		P45H	>32	1
91P	G458S			16	0,5
96P	Y132F, K143R			>32	1
97P				0,5	<0,03



FIG S1. Frequency of isolation of the C. parapsilosis species complex per year. (A) 2007, (B) 2008, (C) 2009, (D) 2010, (E) 2011, (F) 2012, (G) 2013, (H) 2014, (I) 2015, (J) 2016, (K) 2017, (L) 2018, and (M) 2019.



Candida parapsilosis Turkey cluster-cut-off

## FIG S3 MST of 91 selected C. parapsilosis isolates

			SA	B	P4A	P4B	P6A	P6B	P1A	P1B	Otracia		Mand	FROM white			TA OA anatatian	Turaturat	•
Υ		<u> </u>	ă	ы	0	0	ō	ō	0	0	Strain	Date of isolation	Ward	ERG11 mutation	MRR1 mutation	UPC2 mutation	IAC1 mutation	Treatment	Outcome
			136	136	321	324	272	272	240	243	107FS	2011	Pediatrics	Y132F, K143R			A21V	CSP	Died
		, i i i i i i i i i i i i i i i i i i i	136	136	321	324	272	272	240	243	106FS	2011	Anesthesiology	Y132F, K143R		A793S		ND	ND
		Ь	136	136	321	324	272	327	240	243	108FS	2011	Pediatrics surgery	Y132F			A21V		Died
			136	136	321	324	273	273	240	243	77P	2016	Pediatrics	Y132F, G307A		L38I, Q371H		FLZ ProPhylaxis/LAMB	Died
		1	136	136	321	324	274	324	240	243	6FS	2014	Pediatrics Oncology	Y132F, K143R		L38I, A793S		VRZ Prophylaxis/VRZ+CSP	Died
			136	136	321	324	274	324	240	243	7P	2019	Pediatrics surgery	Y132F, K143R	L926*			FLZ	Survived
			136	136	321	324	274	324	240	243	68FS	2012	Anesthesiology	Y132F, K143R				ND	ND
		1	136	136	321	324	274	324	240	243	69FS	2012	Neurology	Y132F, K143R		L38I, A793S		FLZ Prophylaxis/CSP	Survived
			136	136	321	324	275	324	240	243	101FS	2012	Pediatrics	Y132F, K143R		L38I, A793S		VRZ	Died
			136	136	321	324	275	324	240	243	56FS	2013	Anesthesiology	Y132F				FLZ prophylaxis/NT	Died
			136	136	321	324	275	324	240	243	18P	2018	Pediatrics surgery	Y132F, K143R				FLZ	Srvived
			136	136	321	324	275	324	240	243	9P	2019	Pediatrics	Y132F		A793S		FLZ	Survived
			136	136	321	324	274	274	240	243	41R	2013	Cardiac surgery	Y132F, K143R		L38I		NT	Died
			136	136	321	324	274	274	240	243	30R	2014	Cardiac surgery	Y132F, K143R				AND	Survived
_			136	136	321	324	274	274	240	243	96P	2019	Pediatrics surgery	Y132F, K143R				FLZ ProPhylaxis/FLZ	Survived
			136	136	321	324	274	274	240	243	1R	2014	Cardiac surgery	Y132F, K143R		L381		CSP	Died
			136	136	321	324	274	274	240	243	15FS	2014	Infectious diseases	Y132F, K143R		A793S		NT	Survived
			136	136	321	325	274	324	240	243	43P	2018	Pediatrics surgery	Y132F, K143R				FLZ	Survived
		1	136	136	321	325	274	324	240	243	35P	2018	Pediatrics surgery	Y132F, G307A				MFG	Died
			136	136	321	324	275	275	240	243	30P	2018	General surgery	Y132F				NT	Died
			136	136	321	324	275	275	240	243	87P	2016	Pediatrics ICU	Y132F, K143R		P45H		FLZ ProPhylaxis/CSP	Survived
			104	136	321	324	275	275	240	243	81P	2016	Pediatrics surgery	Y132F, K143R	G472V			FLZ+CSP	Survived
			136	136	321	352	275	275	240	243	59FS	2013	Pediatrics Oncology	Y132F, K143R				CSP	Survived
L		<u>.</u>	135	135	321	324	274	274	239	242	50R	2013	Pediatrics	Y132F, K143R		L38I		FLZ	ND
		1			301	304	275	275	243	243	55P	2017	General surgery-Organ transplant		L419F			FLZ	Survived
			151	151	301	304	275	275	243	243	17P	2018	Anesthesiology	Y132F				NT	Survived
			145	151	301	304	275	275	243	243	40P	2018	Thoracicsurgery	Y132F		L38I		FLZ	Died
			145	151	301	304	275	305	243	243	42P	2018	Thoracicsurgery	Y132F		E7*		FLZ	Survived
		, h	145	151	301	304	274	304	243	243	2P	2019	General surgery	Y132F		A793S	L578M	NT	Survived
			145	151	301	304	274	304	243	243	3P	2019	Chest diseases	Y132F		A793S	N7Y, L578M	MFG then VRZ	Survived
			145	151	301	304	275	304	243	243	25P	2018	Neurosurgerv	Y132F	G472V		P150H	FLZ	Died
			151	151	201	304	273	205	240	240	37P	2018	Neurosurgery	Y132F	-			MFG	Died
			151	151	301	304	274	305	243	243	450	2018	Anesthesiology	V132E				FL Z	Died
			151	151	301	304	274	305	243	243	750	2017	Anesthesiology	V132E	01027P			AND	Died
			151	151	301	304	275	305	243	243	100	2017	Chest disasso	V122E	Q102/IX				Died
			151	151	301	304	274	304	243	243	150	2010	Chest diseases	Y122E		47020			Died
			151	151	301	305	274	274	243	243	15P	2016	Dedictrice	1132F		A7935			Died
			145	145	301	304	274	304	240	240	23R	2014	Pediatrics					NI	Survived
		1	128	128	367	385	319	319	224	243	51R	2013	Chest diseases	R398I			L3901	AND	Died
		1	128	128	367	385	319	319	224	243	48R	2013	Pediatrics surgery	R398I			N7I	FLZ+CSP	ND
		1	128	128	367	385	319	319	224	243	52R	2013	Anesthesiology	R398I				NT	Died
		1	128	128	367	385	319	319	224	243	47R	2013	Pediatrics	R398I		Q348P		VRZ Prophylaxis/CSP	Survived
			128	128	367	385	319	319	224	243	42R	2013	Chest diseases	R398I				FLZ	Died
		1	128	128	367	385	319	319	224	243	27R	2014	Chest diseases	R398I				FLZ	Survived
			128	128	367	367	319	319	224	243	54P	2017	Pediatrics surgery	Y132F, K143R			Q965K, M966V	FLZ	Survived
			128	128	367	367	319	319	224	243	16P	2018	Anesthesiology	R398I				NT	Survived
			128	128	367	367	319	319	224	243	127R	2009	Anesthesiology	R398I		P201S		ND	ND
			128	128	367	367	316	319	224	243	31R	2013	General surgery	R398I				AND	Survived
			128	128	367	367	319	366	224	243	37R	2013	Pediatrics surgery	R398I				FLZ	Survived
			128	128	367	367	319	366	224	243	34R	2013	Anesthesiology	R398I			G490R	NT	Survived
			128	128	367	367	319	367	224	243	38R	2013	Pediatrics surgery	R398I			G490R, S760R, A761G	VRZ	Died
			128	128	367	367	319	367	224	243	60P	2017	Anesthesiology	Y132F	Q1027R		D603V, P803L	MFG	Died
			128	128	304	367	319	367	224	243	38P	2018	Thoracicsurgery	R398I			G490R	FLZ	Died
			120	120	367	388	263	310	224	243	26R	2014	Pediatrics Oncology	Q250K, R398I, G.	P295L. Q1074*		L390I	LAMB	Survived
			120	120	267	267	203	074	224	243	39R	2013	Chest diseases	R398I	. 2002, 0.00.	A793S	L578M	ND	Survived
		₫ └─┥	120	120	307	307	2/1	271	224	243	5P	2019	Cardiac surgery	10001			201011	FL Z	Survived
			120	120	267	412	209	209	224	243	6P	2019	Gastroenterology	R398I					Died
	Г	1	128	128	367	413	200	200	224	243	490	2018	Pediatrice	V132E C307A					Survived
			128	128	367	413	267	267	224	243	250	2010		P2091		47028			Suprived
			104	128	367	385	2/1	319	224	243	400	2014	Aposthosiology	D2081		A1850		CSP+AND	Suprived
			128	128	2/9	367	268	279	224	243	43R 26D	2018	Padiatrice currany	G4589				EL7	Died
			104	104	331	352	272	272	240	240	30P	2016	Pediatrics surgery	G4505					Died
		' Һ	104	104	331	352	272	272	240	240	912	2010	Pediatrics	G4000		47025	4211/		Died
			104	104	349	352	272	272	240	240	0450	2011	Aposthosial	N 140K		1 201 4 7000	7217	ELZ Brank devie (000	
		L 1	104	104	352	352	272	272	240	240	9455	2012	Podiatrics	1102F		L301, A/935		VPZ Prophylaxis/USP	Died
			104	104	352	352	272	272	240	240	0750	2014	Pediatrics	1132F (A395W)		L301, A/935		VICE FTOPHYIAXIS/VRZ+CSP	
			104	104	352	352	272	272	240	240	9/FS	2012	regiations	r i j∠r (A395W)	NA	NA	NA	00P	
					352	352	272	272			4P	2019	intectious diseases		NA	NA	NA		Survived
			104	104	352	352	272	272	240	240	6/FS	2012	Pediatrics Oncology	1132F (A395W)				PLZ Prophylaxis/CSP	Survived
			104	104	352	352	272	275	240	240	97P	2019	Pediatricss					NI	Survived
			104	104	328	331	272	272	240	240	65P	2017	Pediatrics	G458S		Q371H		VRZ+MFG	Died
			104	104	352	352	271	352	240	240	41P	2018	Emergency service	Y132F		A793S		LAMB	Died
			104	104	352	352	271	295	240	240	105R	2012	Pediatrics			L38I		ND	ND
		1	104	104	352	352	271	271	240	243	22R	2014	Pediatrics surgery			G342S		FLZ Prophylaxis/FLZ	Survived
			104	104	352	352	271	271	240	243	44R	2013	Chest diseases		K606E		E312D	AND	Died
			104	104	352	352	271	271	240	243	43R	2013	Pediatrics	K143R		L38I		VRZ Prophylaxis/FLZ+LAMB	Survived
		1	104	104	352	352	271	271	240	240	21R	2014	Internal medicine				F186I	FLZ	Died
			104	104	352	352	271	271	240	240	47P	2018	Neurology	Y132F		P45H		FLZ	Survived
			104	104	352	352	271	271	240	240	33R	2013	Pediatrics Oncology					NT	Survived
		4	104	104	352	352	271	271	240	240	1P	2019	Cardiac surgery			A793S	L578M, N602Y	MFG	Died
			104	104	352	352	271	271	240	240	70R	2012	Pediatrics			A793S		FLZ Prophylaxis/CSP	Died
		h	104	104	352	352	271	271	240	240	54R	2013	Cardiac surgery					CSP	Died
			104	104	352	352	271	271	240	240	62R	2013	Anesthesiology	R398I				NT	Died
			104	104	352	352	271	271	240	240	46R	2013	Chest diseases			A793S		NT	Died
			104	104	352	352	271	271	240	240	28R	2014	Internal medicine			L38I, A793S	L578M	AND	Survived
			104	104	221	352	271	271	240	240	59P	2017	Anesthesiology	Y132F		Q372H		NT	Died
			104	104	224	250	271	271	240	240	31P	2018	Pediatrics surgery	G458S				LAMB	Survived
		цЧ́Ч ́	104	104	331 207	352	2/1	2/1	240	240	768	2012	Chest diseases	5.000		\$577*		FLZ+CSP	
			104	104	33/	352	2/1	2/1	240	∠4U	700	2012	Pediatrics Oncology			1381 47020	N7I		Sundard
			104	104	352	352	251	271	240	240	/2R	2012	Castroenterology			L301, A1935	1574E		Died
			104	104	352	355	271	271	240	240	03K	2013		04600 TE 101		47026	LJ/ #I	I LAMP	Died
			121	121	331	352	268	268	236	236	10P	2019	regiance surgery	G4505, 1519A		M1932			Survived
			132	132	304	308	263	308	246	246	50P	2018	i noracicsurgery	Y132F		P45H, A793S			Died
		L	132	132	305	308	263	308	246	260	64R	2012	Pediatrics surgery			A/93S	N/Y, A352V	IN I	Survived

FIG S4 MST of all C. parapsilosis isolates included in this study.

	FRG11 Y	132F	5FS
	ERG11 W	ild_type	54R
			26D
	ERGIIG	4585	368
	ERG11 G	4585	31P
	ERG11 G	6458S	91P
	ERG11 w	vild-type	97P
	ERG11 w	vild-type	21R
	ERG11 w	vild-type	22R
	ERG11 w	vild-type	70R
	ERG11 w	/ild-type	28R
	ERG11 Y	132E K143R	107ES
	ERC11 V	1225	0459
		132F	9465
	ERG11 Y	132F	41P
	ERG11 Y	132F G307A	49P
	ERG11 Y	132F K143R	30R
	ERG11 Y	132F	9P
	ERG11 w	vild-type	46R
	ERG11 Y	132F K143R	101FS
	FRG11 Y	132F	50P
	ERG11 V	132E K143D	70
	ERGITI	132F K143K	/ F
	ERG11 w	/ild-type	55P
	ERG11 w	vild-type	48R
	ERG11 Y	132F K143R	50R
	ERG11 w	vild-type	5P
	ERG11 Y	132F G307A	35P
	ERG11 Y	132F K143R	18P
	ERG11 Y	132F	56FS
	ERG11 Y	132E K143R	43P
	ERG11 K	1430	130
	ERGIIK	1436	436
	ERG11 G	458S 1519A	10P
	ERG11 w	vild-type	76R
	ERG11 Y	132F K143R	68FS
	ERG11 Y	132F K143R	69FS
	ERG11 Y	132F K143R	59FS
	ERG11 Y	132F K143R	6FS
	FRG11 Y	132F	40P
	ERG11 V	1325	46D
		132F	406
	ERG11 Y	132F	ЗP
	ERG11 w	vild-type	37R
	ERG11 w	vild-type	72R
-	ERG11 w	vild-type	105R
	ERG11 w	vild-type	44R
	ERG11 Y	132F	15P
	FRG11 w	vild-type	49R
	ERG11 V	132E	20
		1021	470
	ERGITY	132F	17P
	ERG11 Y	132F	19P
	ERG11 w	vild-type	38R
	ERG11 w	vild-type	31R
	ERG11 Y	132F K143R	41R
	ERG11 w	vild-type	34R
	ERG11 w	/ild-type	1P
	FRG11 w	vild-type	63R
	ERC11 W	ild type	620
	ERGIIW	nid-type	02R
	ERG11 w	/ild-type	64R
	ERG11 w	vild-type	23R
	ERG11 Y	132F	67FS
	ERG11 G	458S	65P
	ERG11 Y	132F G307A	77P
	ERG11 Y	132F K143R	106FS
	FRG11 Y	132F K143R	15ES
	EPC14 V	132F	10950
		1021	0750
		102F	305
	ERG11 w	nia-type	39R
	ERG11 G	458S	26R
	ERG11 w	vild-type	16P
	ERG11 Y	132F K143R	96P
	ERG11 Y	132F	47P
	ERG11 Y	132F K143R	87P
	ERC11	/ild-type	47P
	EPC11 ····	ild_type	420
	ERGITW	ild ture -	
	ERG11 w	па-туре	52R
	ERG11 Y	132F	42P
	ERG11 w	ild-type	127R
	ERG11 w	vild-type	51R
	ERG11 Y	132F K143R	81P
	ERG11 w	vild-type	25R
	ERG11 V	132F	59P
		132E K142D	1P
		1021 K143K	
	ERG11 Y	102F K143R	04P
	ERG11 Y	132F	30P
	ERG11 Y	132F	60P
	ERG11 w	vild-type	27R
	ERG11 Y	132F	75P
	ERG11 K	143R	112FS
	ERG11 Y	132F	25P
	ERC11	vild-type	6P
	ERGITW	ild tune	200
	ERG11 W	па-туре	ა <b>ღ</b>
			37D
	ERG11 Y	132F	576
	ERG11 Y ERG11 w	132F vild-type	33R

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		136 136 321 136 136 321 136 136 321	324         274           324         274           324         274           324         274	324         240           324         240           324         240           324         240	243 243 243	ERG11 ERG11	Y132F K143R wild-type	7P 57P	Y132F, K143R	· · · ·
		136 136 321 136 136 321 136 136 321	324         274           324         274           324         275	324     240       324     240       324     240	243 243 243	ERG11 ERG11 ERG11	Y132F K143R Y132F K143R Y132F K143R	68FS 69FS 101FS	Y132F, K143R Y132F, K143R Y132F, K143R	· ·
		136         136         321           136         136         321           136         136         321	324         275           324         275           324         275	324         240           324         240           324         240           324         240	243 243 243	ERG11 ERG11	Y132F Y132F K143R	56FS 18P	Y132F Y132F, K143R	
		136 136 321 136 136 321	324         275           325         274           225         274	324         240           324         240           324         240	243 243	ERG11 ERG11	Y132F Y132F K143R Y132E G307A	9P 43P 35P	Y132F Y132F, K143R X132F, G307A	
		136 136 321 136 136 321 136 136 321	325         274           324         275           324         272	324         240           325         240           327         240	243 243 243	ERG11 ERG11 ERG11	wild-type Y132F	62P 108FS	Y132F	· · · ·
		144 144 343 145 151 301	343272304274	343240304243	240 243	ERG11 ERG11	wild-type Y132F	92P 2P	Y132F	
		145 151 301 145 151 301 145 151 301	304 274 304 274 304 275	304         243           304         243           304         243	243 243 243	ERG11 ERG11 ERG11	V132F Y132F	58P 3P 25P	Y132F Y132F	· ·
		145 151 301 151 151 301	304275304274	305243305243	243 243	ERG11 ERG11	Y132F Y132F	42P 37P	Y132F Y132F	
		151 151 301 151 151 301 151 151 301	304         274           304         275           304         275	305         243           305         243           305         243	243 243 243	ERG11 ERG11 ERG11	Y132F wild-type wild-type	45P 52P 51P	Y132F	· · · ·
		151 151 301 151 151 301 151 151 301	304         275           304         275           304         274	305         243           304         243	243 243 243	ERG11 ERG11	Y132F Y132F	75P 19P	Y132F Y132F	• •
		145 145 301 151 151 301	304         274           304         275           205         274	304         240           275         243           274         242	240 243	ERG11 ERG11 ERG11	wild-type Y132F Y132E	23R 17P 15P	Y132F Y132F	
		131         131         301           145         151         301           132         132         304	304         275           308         263	274         243           275         243           308         246	243 243 246	ERG11 ERG11	Y132F Y132F	40P 50P	Y132F Y132F	· ·
		132         132         305           130         130         301	308         263           304         291	308         246           304         249	260 252	ERG11 ERG11	wild-type wild-type	64R CBS1954 CBS604		
		130 130 301 145 145 340 136 136 321	304         291           340         260           352         275	304         243           275         240           275         240	249 240 243	ERG11 ERG11 ERG11	wild-type Y132F K143R	8P 59FS	Y132F, K143R	· · · ·
		145 145 317 128 142 317	321251321251	266 240 266 240	240 240	ERG11 ERG11	wild-type wild-type	4FS 3FS	N/1005 1/1/105	
		136 136 321 136 136 321 136 136 321	324 274 324 274 324 274	274 240 274 240 274 240	243 243 243	ERG11 ERG11 ERG11	Y132F K143R Y132F K143R Y132F K143R	41R 30R 96P	Y132F, K143R Y132F, K143R Y132F, K143R	· ·
		136 136 321 136 136 321	324274324274	274 240 274 240	243 243	ERG11 ERG11	Y132F K143R Y132F K143R	1R 15FS	Y132F, K143R Y132F, K143R	
		136 136 321 136 136 321 135 135 321	324         275           324         275           324         274	275         240           275         240           274         239	243 243	ERG11 ERG11 ERG11	Y132F Y132F K143R Y132F K143R	30P 87P 50R	Y132F Y132F, K143R Y132F, K143R	· · · ·
		135         135         321           136         136         321           136         136         321	324         274           324         272           324         272	274         239           272         240           272         240	242 243 243	ERG11 ERG11	Y132F K143R Y132F K143R	107FS 106FS	Y132F, K143R Y132F, K143R	
		136 136 321 104 136 321 132 132 304	324         273           324         275           307         263	273         240           275         240           263         246	243 243	ERG11 ERG11 ERG11	Y132F G307A Y132F K143R wild-type	77P 81P 60FS	Y132F, G307A Y132F, K143R	· ·
		132 132 304 147 147 301 128 142 279	307         283           304         257           279         269	265         246           257         240           279         224	266 243	ERG11 ERG11	wild-type wild-type	95P 92FS		· ·
		128         128         279           128         128         279           147         147         201	279 269 367 268	269 224 279 224	243 243	ERG11 ERG11	wild-type wild-type	71FS 49R	R398I	
		147 147 301 128 128 367 128 128 367	304         226           367         271           367         269	246 240 271 224 269 224	240 243 243	ERG11 ERG11 ERG11	wild-type wild-type	39R 5P	R398I	· · · ·
		130130370128128367	373286407269	286 224 286 224	243 243	ERG11 ERG11	wild-type wild-type	88P 2FS		
Г		128 128 367 128 128 367 128 128 367	413         286           413         267           413         269	286         224           267         224           272         224	243 243	ERG11 ERG11 ERG11	wild-type Y132F G307A wild-type	6P 49P 71P	R398I Y132F, G307A	· ·
		120         120         307           132         132         367           128         128         410	412         268           413         268	268         224           286         224	243 243	ERG11 ERG11	wild-type wild-type	78P 14P		
		151 151 401 104 142 376 121 121 231	404         295           423         298           252         268	295         224           298         240           268         226	243 243	ERG11 ERG11 ERG11	wild-type G458S T519A	53P 113FS 10P	G458S T519A	
			268           352         272           352         272	230         236           272         240           272         240	230 240 240	ERG11 ERG11	wild-type G458S	86P 36P	G458S	
		104 104 331 104 104 331	352 272 352 272	272 240 272 240	240 240	ERG11 ERG11	wild-type wild-type G458S	69P 68P 91P	G4589	
		104 104 331 104 104 331 104 104 331	352         272           352         272           352         271	272240272240271240	240 240 240	ERG11 ERG11 ERG11	wild-type Y132F	89P 59P	Y132F	· ·
		104 104 331 104 104 331	352 271 352 271	271 240 271 240	240 240	ERG11 ERG11	wild-type G458S	34P 31P 20P	G458S	• •
		104 104 331 104 104 328 104 104 330	352         271           352         272           352         271	271240272240271243	240 240 243	ERG11 ERG11 ERG11	wild-type wild-type	84P 32P		· ·
		104         104         337           104         104         337	352 272 352 271	272 240 271 240	240 240	ERG11 ERG11	wild-type wild-type	85FS 76R 73D		
		104 104 334 104 104 325 104 104 324	352         272           353         272           352         272	<ul><li>272 240</li><li>275 240</li><li>275 240</li></ul>	240 240 240	ERG11 ERG11 ERG11	wiid-type wild-type wild-type	73P 67P 83P		· ·
		104 104 321 104 104 331 104 104 328	272           352         271           331         272	292         240           272         240	240 240	ERG11 ERG11	wild-type G458S	33P 65P	G458S	• •
		104         104         352           104         104         352           104         104         352	367         271           367         272           376         272	271240272240272240	240 240	ERG11 ERG11 ERG11	wild-type wild-type wild-type	23P 82P 154FS		· ·
		104 104 352 104 104 352 104 104 352	352         272           352         271           352         271	271     240       271     240       271     240	240 240 240	ERG11 ERG11	wild-type wild-type	56P 21R		
		104 104 352 104 104 352	352         271           352         271           352         271	271     240       271     240       271     240	240	ERG11 ERG11 FRC1	wild-type Y132F wild-type	13P 47P 33R	Y132F	
		104 104 352 104 104 352 104 104 352	352         271           352         271           352         271	271240271240271240	∠40 240 240	ERG11 ERG11 ERG11	wild-type wild-type	22P 61P		•••
		104 104 352 104 104 352	352         271           352         271           352         271	271 240 271 240	240 240	ERG11 ERG11	wild-type wild-type wild-type	48P 29P 1P		
		104 104 352 104 104 352 104 104 352	352         271           352         271           352         271	<ul><li>∠(1) 240</li><li>271 240</li><li>271 240</li></ul>	∠40 240 240	ERG11 ERG11 ERG11	wild-type wild-type	 70R 54R		· · · ·
		104 104 352 104 104 352	352 271 352 271	271 240 271 240	240 240	ERG11 ERG11	wild-type wild-type	62R 46R 28R	R398I	
		104 104 352 104 104 352 104 104 352	352271352272352272	<ul><li>271 240</li><li>272 240</li><li>272 240</li></ul>	240 240 240	ERG11 ERG11 ERG11	wild-type wild-type wild-type	2015 19FS 116FS		· ·
		104 104 352 104 104 352	352 272 352 272	272 240 272 240	240 240	ERG11 ERG11	wild-type Y132F	13FS 94FS	Y132F	
		104         104         352           104         104         352           104         104         352	352         272           352         272           352         272	272240272240272240	240 240	ERG11 ERG11 ERG11	wild-type wild-type wild-type	114FS 35FS 80P		· ·
		104 104 352 104 104 352 104 104 352	352         272           352         272           352         272	240           272         240           272         240           272         240	240 240	ERG11 ERG11	wild-type wild-type	156FS 157FS		
		104         104         352           104         104         352           104         104         352	352         272           352         272           352         272	272240272240273240	240 240	ERG11 ERG11 ERG11	wild-type wild-type wild-type	141FS 117FS 16FS		•••
		104 104 352 104 104 352 104 104 352	352272352272352272	272240272240272240	240 240 240	ERG11 ERG11 ERG11	wild-type wild-type	90P	Y132F (A395W)	· ·
		104 104 352 104 104 352	352 272 352 272	272 240 272 240	240 240	ERG11 ERG11	wild-type wild-type	155FS 20FS 24FS		
		104 104 352 104 104 352 104 104 352	352         272           352         272           352         272	272 240 272 240 272 240	240 240 240	ERG11 ERG11 ERG11	wild-type wild-type wild-type	24FS 111FS 63P		· ·
		104104352104104352	352         272           352         272	272240272240	240 240	ERG11 ERG11	wild-type wild-type	79P 10FS		
		104 104 352 104 104 352 104 104 352	352         272           352         272           352         272	<ul><li>272 240</li><li>272 240</li><li>272 240</li></ul>	240 240 240	ERG11 ERG11 ERG11	wild-type wild-type wild-type	94P 7FS 167FS		· · · ·
		104 104 352 104 104 352 104 104 352	352         272           352         272           352         272           352         272	272     240       272     240       272     240       272     240	240 240 240	ERG11 ERG11	wild-type wild-type	126FS 110FS		· ·
		104 104 352 104 104 352 104 104 352	352         272           352         272           352         272	272     240       272     240       272     240	240 240	ERG11 ERG11 ERG11	wild-type wild-type	100FS 96FS 18FS		
		104 104 352 104 104 352 104 104 352	352         272           352         272           352         272           352         272	272     240       272     240       272     240       272     240	240 240 240	ERG11 ERG11	wild-type wild-type	119FS 11FS		· · · ·
		104 104 352 104 104 352	352         272           352         272           352         272	272     240       272     240       272     240	240 240	ERG11 ERG11	Y132F wild-type	97FS 9FS 12ES	Y132F (A395W)	
		104 104 352 104 104 352 104 104 352	352         272           352         272           352         272	272 240 272 240 272 240	240 240 240	ERG11 ERG11 ERG11	wild-type wild-type wild-type	12FS 136FS 128FS		· · · ·
		104 104 352 104 104 352	352 272 352 272	272 240 272 240	240 240	ERG11 ERG11	Y132F wild-type	67FS 78FS	Y132F (A395W)	
		104 104 349 104 104 349 104 104 350	352272352272355272	272240272240272240	240 240 240	ERG11 ERG11 ERG11	ĸ143R wild-type wild-type	112FS 103FS 72P	K143R	· · · ·
		104 104 352 104 104 352	355 272 355 272	272 240 272 240	240 240	ERG11 ERG11	wild-type wild-type	104FS 61FS		
		104 104 352 104 104 352 104 104 252	355272355272355271	272240272240271240	240 240 240	ERG11 ERG11 ERG11	wild-type wild-type wild-type	70P 95FS 63R		· · · ·
		104         352           104         104         352           104         104         352           104         104         352	352         271           352         271           352         271	271         240           271         240           271         240	243 243	ERG11 ERG11	wild-type wild-type	22R 44R		
		104 104 352 104 104 352	352         271           352         272           353         272	271 240 272 240	243 243	ERG11 ERG11	K143R wild-type wild-type	43R 74FS 97P	K143R	
		104 104 352 104 104 352 104 104 349	352         272           352         269           349         271	210240269240271240	∠40 240 243	ERG11 ERG11 ERG11	wild-type wild-type	98FS 28P		· ·
		104         104         352           104         104         346           104         104         255	352         272           349         246           352         251	272221274240271242	240 257	ERG11 ERG11 ERG11	wild-type wild-type wild-type	40FS 82FS 72R		· ·
		104 104 352 104 104 370 104 104 377	370         251           352         272	271240271240272240	∠40 240 240	ERG11 ERG11 ERG11	wild-type	26P 90FS		• • •
		104         104         352           104         104         352           104         104         352	373     271       352     272       352     271	271212304240295240	240 240	ERG11 ERG11 ERG11	wild-type wild-type wild-type	12P 109FS 105R		
		104 104 352 104 104 352 104 104 352	367         271           366         275	290 240 319 224 319 224	∠40 240 243	ERG11 ERG11 ERG11	wild-type wild-type	125FS 29FS		· · · ·
	h	128 128 367 128 128 367 128 128 367	367 319 367 319	366 224 366 224	243 243	ERG11 ERG11	wild-type wild-type wild-type	37R 34R 38R	R3981 R3981 R3981	 
		128 128 367 128 128 367 128 128 367	367 319 367 319 367 319	367         224           367         224           367         224	243 243 243	ERG11 ERG11 ERG11	wild-type wild-type	73FS 17FS		· ·
		128 128 367 128 128 367 128 128 367	367 319 367 319	367 224 367 224	243 243	ERG11 ERG11	Y132F wild-type	60P 85P 121FS	Y132F	
		128 128 367 128 128 367 128 128 367	367         319           367         319           367         319           367         319	367224367224367224	243 243 243	ERG11 ERG11 ERG11	wild-type wild-type wild-type	121FS 66P 14FS		· ·
		128         128         364           128         128         364	367 319 367 319	367         224           367         224           367         224	243 243	ERG11 ERG11	wild-type wild-type	99FS 79FS		
		128 128 364 128 128 364 128 128 364	367 319 367 319 367 310	367         224           367         224           367         224           367         224	243 243 243	ERG11 ERG11 ERG11	wild-type wild-type wild-type	55FS 57FS 149FS		
		120         364           128         128         364           128         128         364           128         128         364	319           367         319           367         319           367         319	367         224           367         224           367         224	243 243 243	ERG11 ERG11	wild-type wild-type	122FS 75FS		
٦		128     128     364       128     128     364       128     128     364	367 319 367 319 367 211	367         224           367         224           367         224	243 243	ERG11 ERG11 ERG11	wild-type wild-type wild-type	150FS 129FS 131FS		· ·
		120128364128128367128128367	367 319 367 301 367 369	307224367224369224	∠43 243 243	ERG11 ERG11 ERG11	wild-type	21P 80FS		· · · ·
		128 128 367 128 128 367 128 128 367	385 319 385 319	319 224 319 224 310	243 243	ERG11 ERG11	wild-type wild-type wild-type	51R 48R 52R	R3981 R3981 R3981	
		128128367128128367128128367	385         319           385         319           385         319           385         319	319224319224319224	243 243 243	ERG11 ERG11 ERG11	wild-type wild-type	42R 42R	R3981 R3981	· ·
		128 128 367 128 128 367 128 128 367	385 319 385 316	319 224 319 224 319 224	243 243	ERG11 ERG11	wild-type wild-type	27R 58FS	R398I	• •
		128 128 367 128 128 367 128 128 367	385         301           367         319           367         319	<ul> <li>319 224</li> <li>319 224</li> <li>319 224</li> <li>319 224</li> </ul>	243 243 243	ERG11 ERG11 ERG11	wild-type Y132F K143R wild-type	4рг8 54Р 16Р	Y132F, K143R R398I	· · · ·
		128         128         367           128         128         367           128         128         367	367         319           367         319           367         319	319         224           319         224           319         224	243 243	ERG11 ERG11	wild-type wild-type	127R 123FS	R398I	
		128     128     367       128     128     367       128     128     367	367 316 367 316 367 011	319         224           319         224           319         224	243 243	ERG11 ERG11 ERG11	wild-type wild-type wild-type	124FS 64P 31R	R398I	
		128         128         367           128         128         367           128         128         367	316           367         316           367         316           367         316	319         224           319         224           319         224	243 243 243	ERG11 ERG11	wild-type wild-type	81FS 77FS		• •
		128     128     367       128     128     367       128     128     367	367 316 367 316	319         224           319         224           319         224	243 243	ERG11 ERG11 ERG11	wild-type wild-type wild-type	120FS 36FS 158FS		
		128 128 361 123 123 364 128 128 367	367 316 367 319 417 316	319 224 319 224 319 224	243 243 243	ERG11 ERG11 ERG11	wild-type	130FS 84FS		· · · ·
		128 128 367 128 128 367 128 128 367	388 263 388 263	319 224 319 224 222	243 243	ERG11 ERG11	wild-type wild-type	32FS 26R 87FS	Q250K, R398I, G458S	
		126126364104128367129145367	382269385271367268	322224319224319243	243 243 243	ERG11 ERG11 ERG11	wild-type wild-type	25R 46P	R398I	· ·
		128 128 373 126 126 373	389         289           388         289	310 243 310 243	260 260	ERG11 ERG11	wild-type wild-type	74P 102FS		
		128 128 367 128 128 367 104 104 353	367286367286352271	<ul> <li>310 243</li> <li>307 243</li> <li>352 240</li> </ul>	260 260 240	ERG11 ERG11 ERG11	wild-type wild-type wild-type	<sup>დე</sup> ⊢S 24P 11P		· · ·
	n n	104         352           104         104         352           104         104         352           104         104         352	352         271           352         271           352         271	352         240           352         240           352         240	240 240 240	ERG11 ERG11	Y132F wild-type	41P 27P	Y132F	
	 	104 104 352 104 104 352 104 104 355	352         271           352         272           352         272	352240352240352240	240 240 240	ERG11 ERG11 ERG11	wild-type wild-type wild-type	44P 152FS 118FS		· ·
	Ч	104 104 352 104 104 352	352         272	352         240           352         240	240 240	ERG11	wild-type	76P	<b>P</b> 2081	

## FIG S6 AFLP typing of 91 selected C. parapsilosis isolates

ענויי ענציעיי נא נע ענוייצ 1 ſ <u>h h l l m s s n n n n n n n</u> 11 111 l Ф L L L L L L L ł <u>אראי הלווא</u>, ולא, הוו<u>הרא אב</u> 

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FIG S7 Biofilm formation by isolates with the Y132F mutation and other FLZR isolates. The data are expressed as the mean  $\pm$  standard deviation for crystal violet and resazurin-based viability staining (n = 12 wells).

