Supplementary Material

The role of *ERG11* point mutations in the resistance of *Candida albicans* to fluconazole in the presence of lactate

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Table S1. The percentage reduction in the growth of C. albicans CAF2-1 after FLC treatment in presence of YPD and YPL.

	FLC [μg/mL]								
	0	**0.125**	**0.25**	**0.5**	**1**	**2**	**4**	**8**	**16**
					YPD				
OD	1.118	1.133	1.143	1.113	1.008	0.878	0.705	0.624	0.636
reduction in growth [%]	-	101.402 ±1,081	102.230 ±1,628	**99.582** ±2.457	**90.158** ±0.896	**78.527** ±3.729	**63.048** ±2.005	**55.860** ±1.735	**56.904** ±3.817
					YPL				
OD	0.460	0.426	0.459	0.393	0.251	0.211	0.228	0.210	0.180
reduction in growth [%]	-	93.422 ±11.806	100.722 ±13.637	**86.838** ±19.897	**55.257** ±9.811	**45.629** ±9.682	**50.134** ±8.183	**46.475** ±15.372	**39.121** ±7.053

Table S2. Identification of amino acid substitutions in *hot spots* as a result of aligning the amino acid sequences of the Erg11p of *Candida* species with the sequence of the Erg11p of *C. albicans* SC5314 strain. "." - no mutation.

| | | | | ***Hot spot*** | | | |

Table S3. Identification of amino acid substitutions in *hot spots* as a result of aligning the amino acid sequences of the Erg11p *C. albicans* strains with the amino acid sequence of the Erg11p of *C. albicans* SC5314 strain. "." - no mutation.

			Hot spot																						
			I										**II**		**III**										
Isolate	**GenBank Number**	**MIC [μg/mL] FLC**	**A114**	**D116**	**T123**	**F126**	**K128**	**G129**	**Y132**	**N136**	**K143**	**V159**	**E266**	**T285**	**V437**	**N440**	**G448**	**G450**	**V456**	**S457**	**G464**	**G465**	**R467**	**V488**	**Source**
SC5314	AY856352	0.25	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
CAAL - 9	EU885928.1	< 0.125	.	.	.	.	.	.	.	.	.	.	D	.	.	.	.	.	.	.	.	.	.	I	[35]
CAAL - 11	EU885930.1	< 0.125	.	E	.	.	T	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	[35]
CAAL - 15	EU885934.1	< 0.125	.	E	.	.	T	.	.	.	.	I	.	.	.	.	.	.	.	.	.	.	.	.	[35]
CAAL - 37	EU885935.1	> 64	.	.	.	.	.	.	.	.	.	.	D	.	.	.	.	.	I	.	S	.	.	I	[35]
CAAL - 62	EU885937.1	0.125	.	E	.	.	T	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	[35]
CAAL-70	EU885938.1	16	.	.	.	.	.	.	H	Y	.	.	.	.	.	.	.	.	.	.	.	.	.	.	[35]
CHC34	KM609916	8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	[58]
CHC95	KM609917	16	.	.	.	.	.	.	H	.	.	.	D	.	.	S	.	.	.	P	.	.	.	I	[58]
CHC106	KM609918	16	.	.	.	.	.	.	.	.	.	.	.	.	I	.	.	.	.	.	.	.	.	.	[58]
CHC114	KM609920	> 64	E	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	[58]
CHC117	KM609921	> 64	.	E	.	.	T	.	H	.	.	.	.	.	.	.	.	.	.	.	.	S	.	.	[58]
CHC119	KM609922	> 64	.	.	I	.	.	.	H	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	[58]
CHC122	KM609924	> 64	S	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	[58]
CHC125	KM609925	> 64	.	.	I	.	.	.	H	.	.	.	.	A	.	.	.	.	.	.	.	.	.	.	[58]
CHC126	KM609926	32	.	.	.	.	.	.	.	.	.	.	D	.	.	.	.	.	.	.	.	.	.	.	[58]
CHC128	KM609927	> 64	S	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	[58]
CHC130	KM609928	> 64	S	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	[58]
CHC134	KM609929	> 64	.	E	.	.	T	.	.	.	.	.	.	.	.	.	.	.	.	.	S	.	.	.	[58]
CHC157	KM609930	> 64	S	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	[58]
CHC160	KM609931	> 64	.	E	.	.	T	.	H	.	.	.	.	.	.	.	.	.	.	.	.	S	.	.	[58]
P94015	KGQ85038.1	>64	.	.	.	L	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	K	.	[59]
10C1B1M1	KM875722.1	16	.	.	.	.	.	.	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	[7]
20E1II1G1	KM875728.1	256	.	.	.	.	.	.	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	[7]