

**Supplementary table 1.** Genes whose deletion confers multi-drug sensitivity and hypersensitivity to caspofungin.

ORF	Gene	Caspofungin sensitivity <sup>a</sup>		additional sensitivity <sup>b</sup>
		haploid	heteroz. diploid	
<i>YAL021C</i>	<i>CCR4</i>	--		Caf, Cam, HdU, Rap, Wor
<i>YML008C</i>	<i>ERG6</i>	--	0	Cam, Chx, HdU, Rap, Smm, Wor
<i>YPR160W</i>	<i>GPH1</i>	-		Caf, Flu, Rap, Tun
<i>YHR026W</i>	<i>PPA1</i>	--	---	Chx, CsA, FK506, Rap, Smm, Tun, Wor
<i>YHR030C</i>	<i>SLT2</i>	---		Caf, Flu, Rap, Tun
<i>YLR025W</i>	<i>SNF7</i>	-	0	Caf, Rap, Smm, Tun
<i>YAL047C</i>	<i>SPC72</i>	-	---	Ben, Caf, Rap, Smm, Wor
<i>YOL148C</i>	<i>SPT20</i>	-	---	Cam, Flu, HdU, Smm, Tun, Wor
<i>YCL008C</i>	<i>STP22</i>	-		Caf, Flu, Tun, Wor
<i>YPL234C</i>	<i>TFP3</i>	--	--	CsA, FK506, Flu, Rap, Tun, Wor
<i>YBR127C</i>	<i>VMA2</i>	--		CsA, FK506, HdU, Smm, Tun
<i>YOR332W</i>	<i>VMA4</i>	--	0	CsA, FK506, Rap, Smm, Tun, Wor
<i>YKL080W</i>	<i>VMA5</i>	--		CsA, FK506, Rap, Smm, Tun, Wor

<i>YGR020C</i>	<i>VMA7</i>	--	--	CsA, FK506, HdU, Tun
<i>YHR039C-A</i>	<i>VMA10</i>	--	---	Chx, CsA, FK506, Smm, Tun, Wor
<i>YPR036W</i>	<i>VMA13</i>	--		CsA, FK506, Flu, Smm, Tun
<i>YHR060W</i>	<i>VMA22</i>	--		Chx, CsA, FK506, HdU, Tun
<i>YKL119C</i>	<i>VPH2</i>	--	0	Caf, Chx, CsA, FK506, Flu, HdU, Rap, Smm, Tun, Wor

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<sup>a</sup>: scores for caspofungin sensitivity are as follows:

---: no growth of haploid on 100 ng/ml; no growth of heterozygous diploid on 150 ng/ml

--: slow growth of haploid on 100 ng/ml and no growth on 200 ng/ml; slow growth of heterozygous diploid on 150 ng/ml

-: slow growth of haploid on 200 ng/ml

0: wild type growth

<sup>b</sup>: Drugs are abbreviated as follows: Benomyl, Ben; Caffeine, Caf; Camptothecin, Cam; Cycloheximide, Chx; Cyclosporin A, CsA; Hydroxyurea, HdU; Fluconazole, Flu; Rapamycin, Rap; Sulfometuron methyl, Smm; Tunicamycin, Tun; Wortmannin, Wor. Data are from Parsons *et al* (2004).

**Supplementary table 2.** Genes whose haploid deletion mutants show enhanced resistance to caspofungin and other compounds.

<b>ORF</b>	<b>Gene</b>	<b>Additional resistance<sup>a</sup></b>
<i>YOR061W</i>	<i>CKA2</i>	Flu, Wor
<i>YBR036C</i>	<i>CSG2</i>	Syr
<i>YCR017C</i>	<i>CWH43</i>	Van
<i>YGL054C</i>	<i>ERV14</i>	Wor
<i>YCR034W</i>	<i>FEN1</i>	Caf, L-733,560, Fpm, Ket, SR 31747, Sta, Syr, Van
<i>YOR221C</i>	<i>MCT1</i>	Cam, HdU
<i>YPL057C</i>	<i>SUR1</i>	Def, Syr
<i>YLR372W</i>	<i>SUR4</i>	Fpm, SR 31747, Hyg
<i>YBR144C</i>		Wor
<i>YBR147W</i>		Flu
<i>YGR283C</i>		Flu
<i>YPL056C</i>		Flu

<sup>a</sup>: Drugs are abbreviated as follows: Caffeine, Caf; Defensin, Def; Fenpropimorph, Fpm; Fluconazole, Flu; Hydroxyurea, HdU; Hygromycin, Hyg; Ketoconazole, Ket; Staurosporin, Sta; Syrigomycin E, Syr; Vanadate, Van; Wortmannin, Wor.