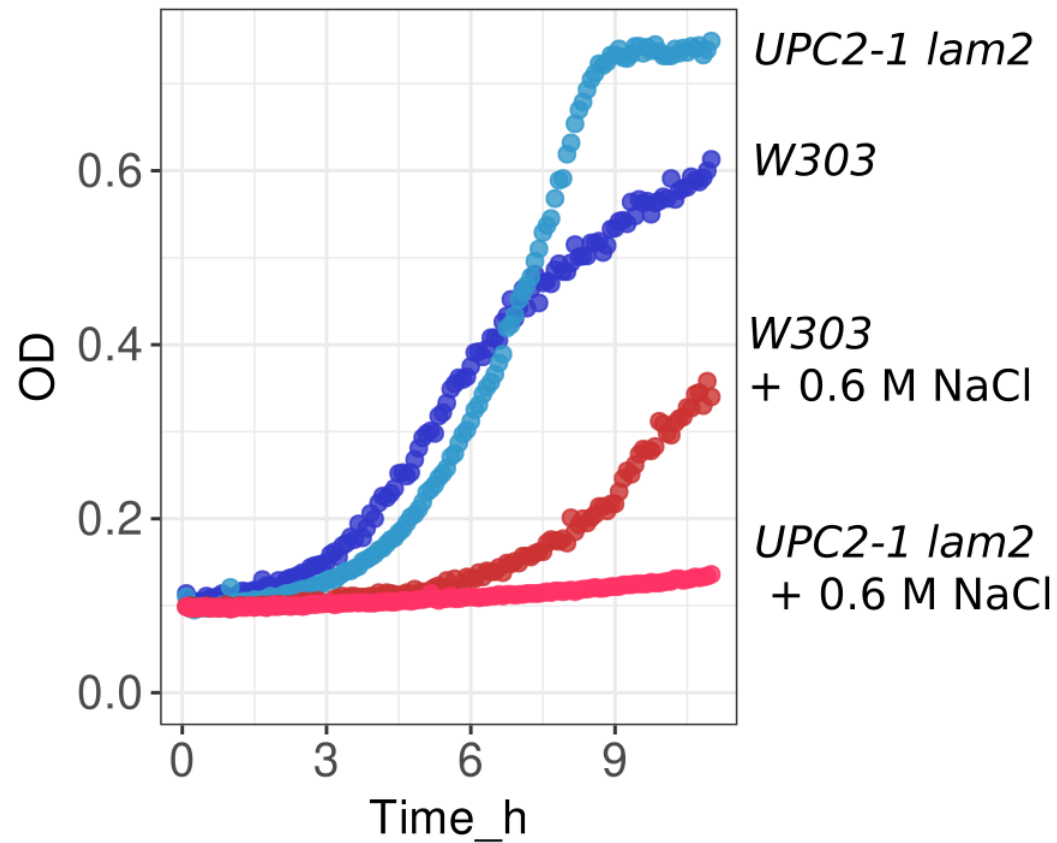


## Supplementary Materials

### Structural Role of Plasma Membrane Sterols in Osmotic Stress Tolerance of Yeast *Saccharomyces cerevisiae*

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**Figure S1.** Typical growth curves of yeast cells in YPD and in YPD containing 0.6M NaCl.

**Table S1.** Growth rates of a set of mutants in absence and in the presence of the osmolytes.

	<b>parentalstrain</b>	<b>control</b>	<b>0.6 M NaCl</b>	<b>0.6 M KCl</b>	<b>1.2M sorbitol</b>
<i>BY4741</i>	<i>BY4741</i>	0.36 ± 0.01	0.27 ± 0.03	0.3 ± 0.02	0.28 ± 0.02
<i>Δhog1</i>	<i>BY4741</i>	0.38 ± 0.01	0.16 ± 0.04	0.2 ± 0.01	0.09 ± 0.03
<i>Δerg2</i>	<i>BY4741</i>	0.32 ± 0.02	0.25 ± 0.01	0.28 ± 0.01	0.27 ± 0.02
<i>Δerg3</i>	<i>BY4741</i>	0.39 ± 0.02	0.31 ± 0.04	0.39 ± 0.01	0.31 ± 0.01
<i>Δerg4</i>	<i>BY4741</i>	0.33 ± 0.02	0.21 ± 0.05	0.22 ± 0.01	0.25 ± 0.04
<i>Δlam2</i>	<i>BY4741</i>	0.35 ± 0.02	0.28 ± 0.02	0.29 ± 0.02	0.29 ± 0.03
<i>Δerg2Δlam2</i>	<i>BY4741</i>	0.36 ± 0.03	0.24 ± 0.05	0.32 ± 0.02	0.22 ± 0.01
<i>Δerg3Δlam2</i>	<i>BY4741</i>	0.39 ± 0.02	0.33 ± 0.02	0.37 ± 0.02	0.28 ± 0.05
<i>Δerg4Δlam2</i>	<i>BY4741</i>	0.3 ± 0.02	0.06 ± 0.06	0.18 ± 0.03	0.23 ± 0.03
<i>W303</i>	<i>W303</i>	0.31 ± 0.06	0.27 ± 0.08	0.3 ± 0.08	0.21 ± 0.05
<i>Δlam1Δlam2Δlam3Δlam4Δosh3</i>	<i>W303</i>	0.28 ± 0.07	0.26 ± 0.07	0.28 ± 0.05	0.21 ± 0.08
<i>Δlam1Δlam2Δlam3Δlam4Δosh4Δosh5</i>	<i>W303</i>	0.21 ± 0.05	0.17 ± 0.06	0.2 ± 0.03	0.17 ± 0.05
<i>Δlam1Δlam2Δlam3Δlam4</i>	<i>W303</i>	0.26 ± 0.05	0.22 ± 0.09	0.24 ± 0.09	0.2 ± 0.07
<i>Δlam5Δlam6</i>	<i>W303</i>	0.35 ± 0.08	0.24 ± 0.07	0.28 ± 0.06	0.19 ± 0.07
<i>Δlam1Δlam2Δlam3Δlam4Δlam5Δlam6</i>	<i>W303</i>	0.32 ± 0.06	0.27 ± 0.06	0.26 ± 0.02	0.2 ± 0.07
<i>UPC2-1</i>	<i>W303</i>	0.31 ± 0.04	0.16 ± 0.06	0.32 ± 0.08	0.34 ± 0.05
<i>UPC2-1Δlam2</i>	<i>W303</i>	0.28 ± 0.07	0.06 ± 0.06	0.23 ± 0.03	0.2 ± 0.02
<i>Δlam1Δlam2Δlam3Δlam4osh1Δosh2</i>	<i>W303</i>	0.32 ± 0.08	0.27 ± 0.05	0.29 ± 0.07	0.19 ± 0.05
<i>Δerg3</i>	<i>W303</i>	0.33 ± 0.08	0.26 ± 0.06	0.3 ± 0.08	0.23 ± 0.05
<i>Δlam1Δlam2Δlam3Δlam4Δerg3</i>	<i>W303</i>	0.31 ± 0.07	0.26 ± 0.06	0.28 ± 0.06	0.2 ± 0.08