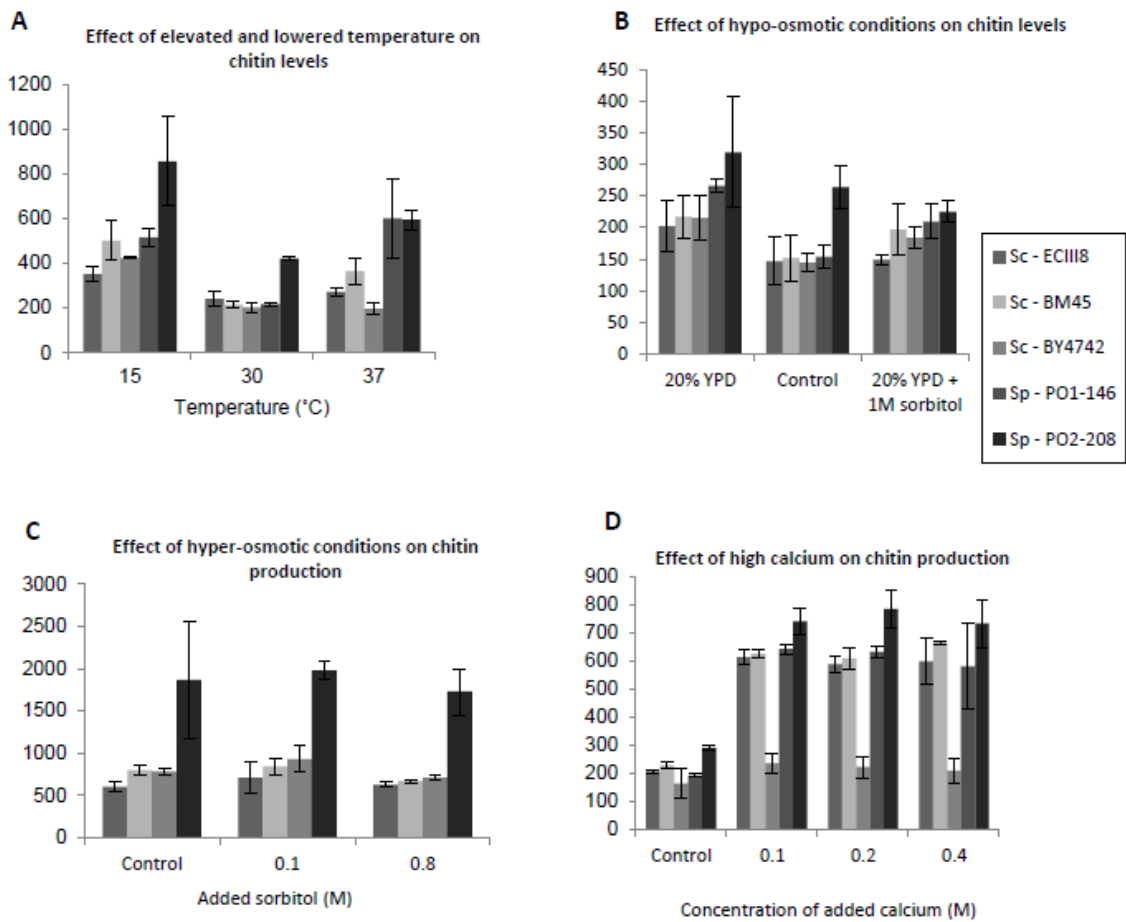
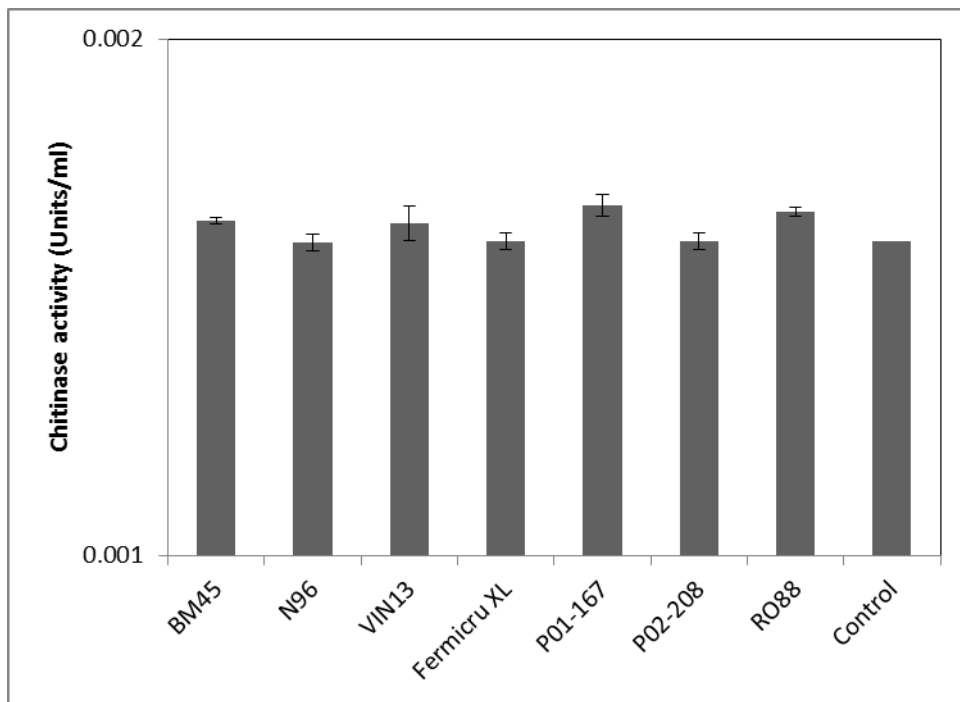


# 1 Supplementary figures



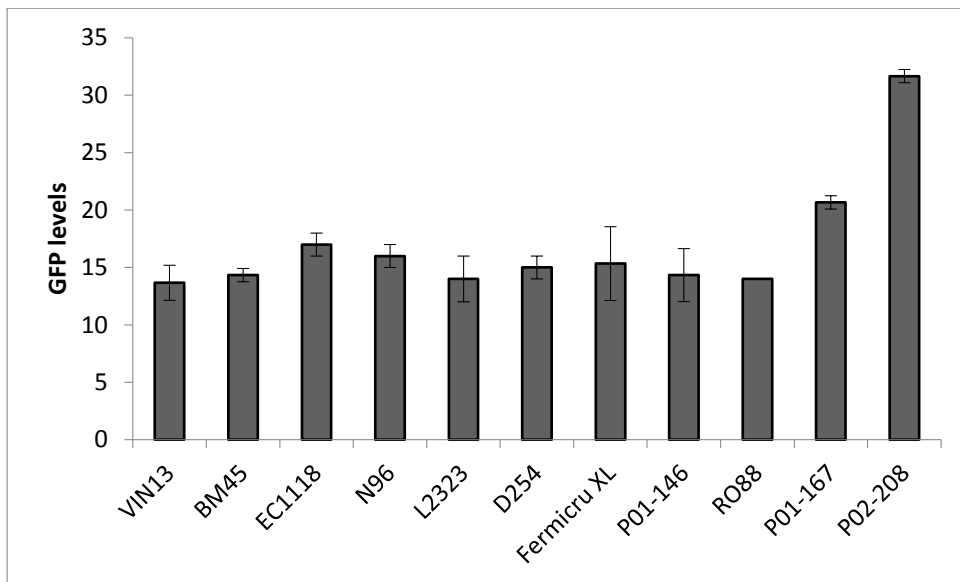
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3 **FIG S1** Cell wall chitin levels in cell wall of *S. cerevisiae* (ECIII8, BM45 and BY4742) or *S.*  
4 *paradoxus* (P01-146 and P02-208) strains. Intensity of chitin-binding dye, Calcofluor white  
5 fluorescent signal was used as measurement of chitin levels. Error bars indicate the differences  
6 between the three biological repeats.



7

8 **FIG S2** Chitinase activity levels of chitinase remaining in model wine solution (12% ethanol, 4 g/l  
 9 tartaric acid, pH 3.3). Cells were incubated for 2h at room temperature in model wine solution  
 10 without any chitinase enzyme added. After incubation period cells were removed from the model  
 11 wine solution through centrifuging at 3, 250 g before adding the chitinase enzyme into the  
 12 supernatant. A negative control was also run where no cells were added into the model wine  
 13 solution before incubation. Chitinase levels were quantified using Chitinase assay kit. Commercial  
 14 chitinase was used for yeast cell wall binding assay in this experiment.

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 19 **FIG S3** GFP levels bound to different yeast strains quantified using BD FACS Aria flow cytometer.  
 20 Cells were grown in YPD as described by de Groot *et al.* (2001) and equal amount of cells based  
 21 on OD measurement at 600nm were washed and re-suspended in PBS buffer before adding GFP  
 22 protein. Cells were further incubated for 2 h at room temperature with shaking before washing  
 23 and re-suspending in PBS buffer in preparation for quantification using a flow cytometer.

24  
 25 **References**

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