

Title: Analysis of the response of the cell membrane of *Saccharomyces cerevisiae* during the detoxification of common lignocellulosic inhibitors

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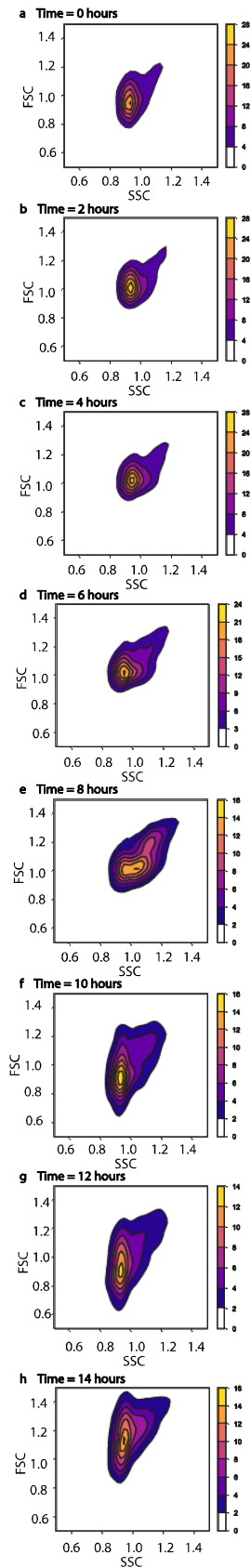
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EXPERIMENT 4: YPD +
Vanillin (0.5g/L) + Furfural (1.25g/L)



EXPERIMENT 5: YPD +
Acetic acid (3g/L)

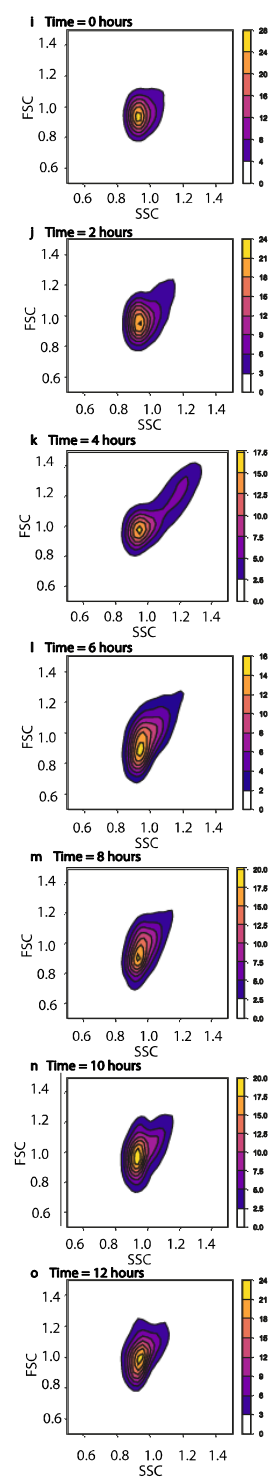


Figure SM1. Two-dimensional density plots showing the evolution of the forward and side scatter. The density plots correspond to experiment 4 (SM1.a-g) and experiment 5 (SM1.h-o). Notice that the FSC and SSC are scaled by the mean FSC and SSC of experiment 1 at time 0 hours. Hence, all measured changes in the population of cells are given in relation to that state. The colour gradient shows the density of the distribution in the populations, with yellow corresponding to the highest density, and blue corresponding to the lowest one.

EXPERIMENT 6: YPD +
Vanillin (0.5g/L) + Acetic acid (3g/L)

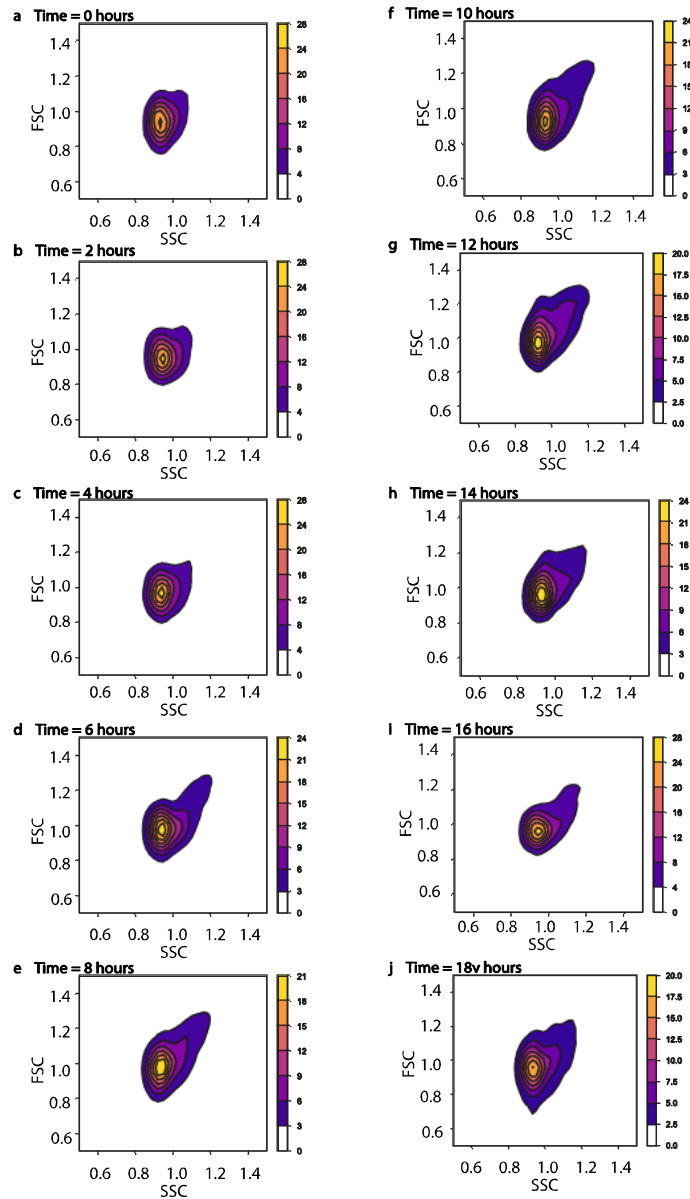


Figure SM2. Two-dimensional density plots showing the evolution of the forward and side scatter. The density plots correspond to experiment 6 (SM2.a-j). Notice that the FSC and SSC are scaled by the mean FSC and SSC of experiment 1 at time 0 hours. Hence, all measured changes in the population of cells are given in relation to that state. The colour gradient shows the density of the distribution in the populations, with yellow corresponding to the highest density, and blue corresponding to the lowest one.

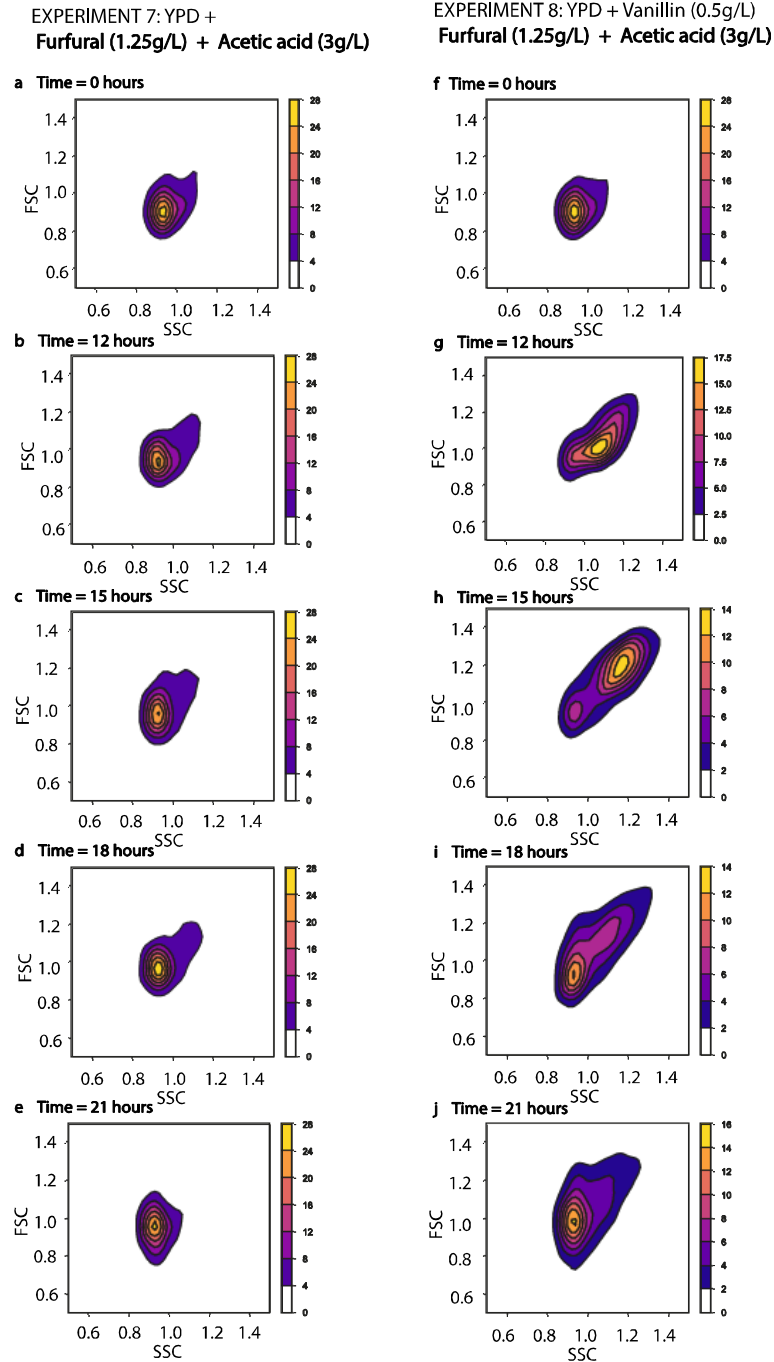


Figure SM3. Two-dimensional density plots showing the evolution of the forward and side scatter. The density plots correspond to experiment 7 (SM3.a-e) and experiment 8 (SM3.f-j). Notice that the FSC and SSC are scaled by the mean FSC and SSC of experiment 1 at time 0 hours. Hence, all measured changes in the population of cells are given in relation to that state. The colour gradient shows the density of the distribution in the populations, with yellow corresponding to the highest density, and blue corresponding to the lowest one.