

Supplementary Information for

Doxorubicin induces an extensive transcriptional and metabolic rewiring in yeast cells

Hilal Taymaz-Nikerel, Muhammed Erkan Karabekmez, Serpil Eraslan, Betül Kirdar

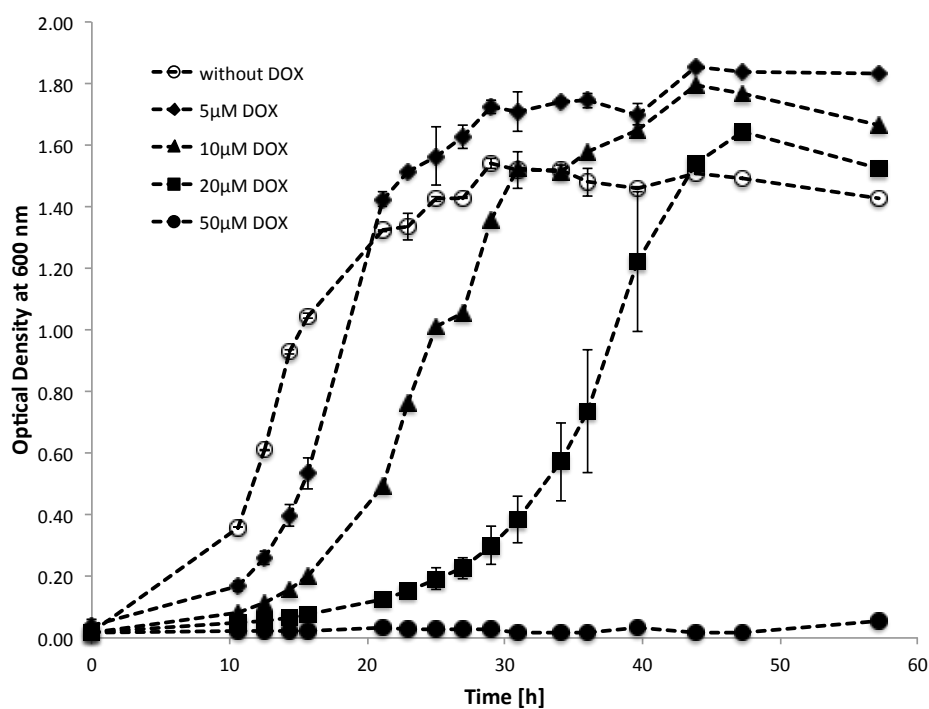


Figure S1: Growth curves with different concentrations of doxorubicin (DOX) in shake-flasks

Table S1: Uptake/secretion rates during mid-exponential phase in aerobic batch cultures of *S. cerevisiae*

| | q_x [h ⁻¹] | $-q_{\text{glucose}}$ [mmol gX ⁻¹ h ⁻¹] | q_{glycerol} [mmol gX ⁻¹ h ⁻¹] | q_{ethanol} [mmol gX ⁻¹ h ⁻¹] |
|------------------|-----------------------------|---|---|--|
| Control | 0.26 | 11.7 | 1.3 | 18.8 |
| | 0.25 | 13.1 | 0.7 | 13.1 |
| | 0.28 | 14.4 | 1.3 | 24.6 |
| with doxorubicin | 0.11 | 5.1 | 0.7 | - |
| | 0.09 | 6.8 | 0.7 | 6.8 |
| | 0.11 | 7.5 | 0.5 | 6.2 |