

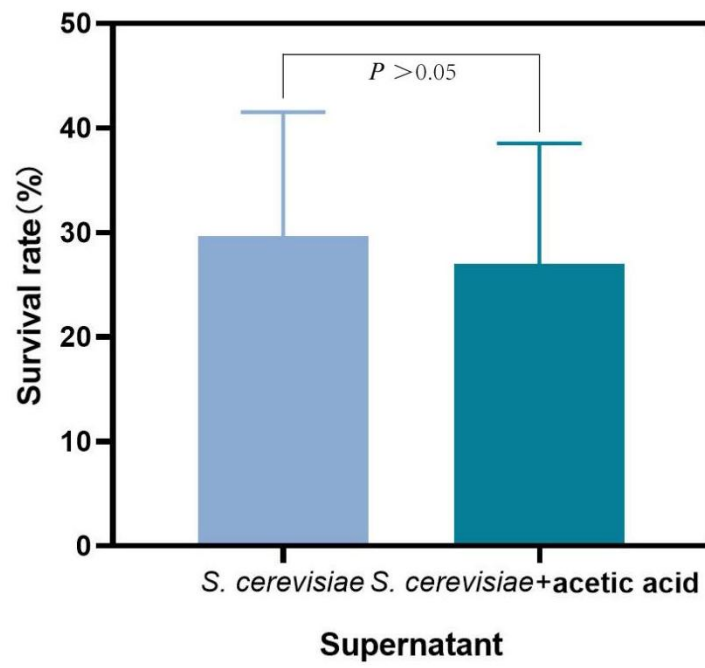
Supplementary Figure Captions

Supplementary Fig. S1 Effect of acetic acids secreted by *Escherichia coli* on the oxidative tolerance of *Saccharomyces cerevisiae*.

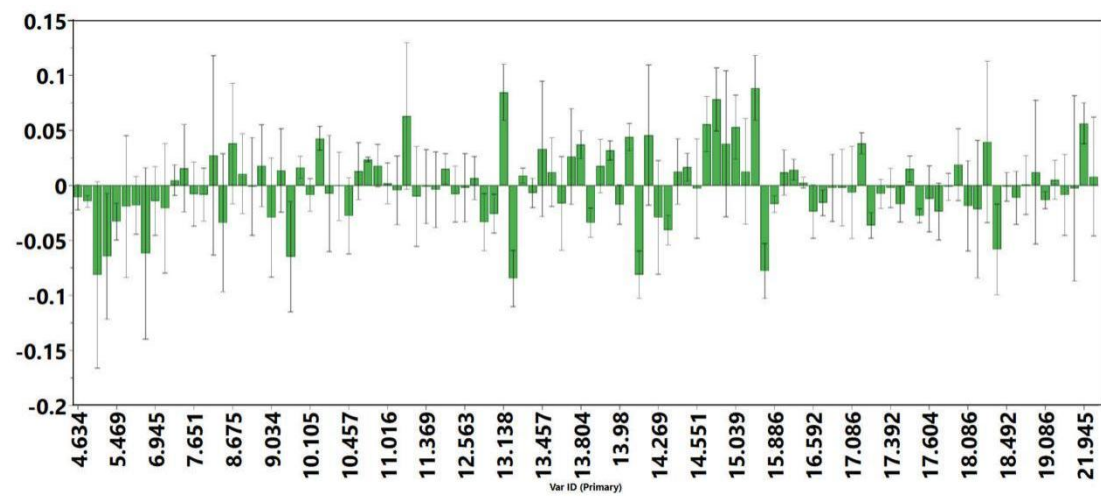
Supplementary Fig. S2 Loading plot of pairwise comparison between the co-cultured supernatant versus the pure cultured *Saccharomyces cerevisiae* supernatant using OPLS-DA model.

Supplementary Fig. S3 Variable importance of the projection plot for the supernatant metabolites along component 1 using OPLS-DA model.

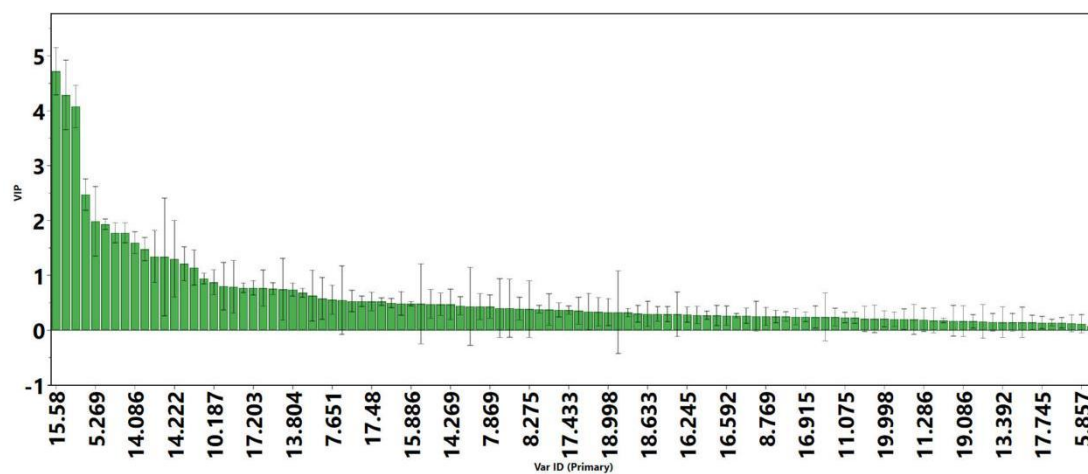
Supplementary Fig. S4 Hexadecanoic acid concentration in supernatant of pure culture of *Saccharomyces cerevisiae*, *Escherichia coli* and mixed culture of *Saccharomyces cerevisiae* and *Escherichia coli*.



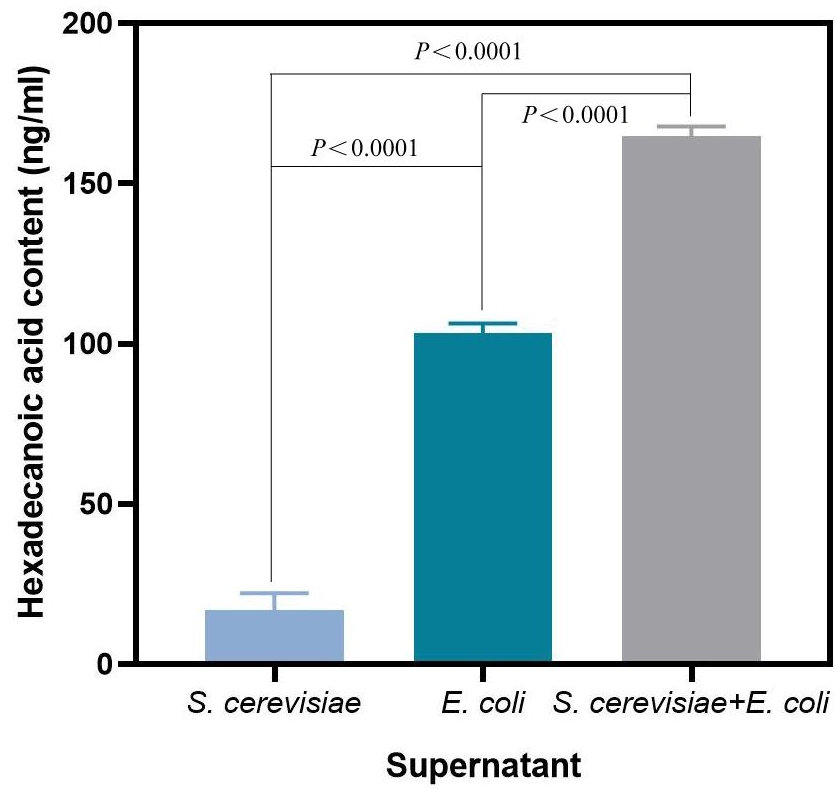
Supplementary Fig. S1



Supplementary Fig. S2



Supplementary Fig. S3



Supplementary Fig. S4