

Engineering *Saccharomyces cerevisiae* and Controlling Conditions for 2,3-Butanediol Production from Glycerol

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Supplementary Data

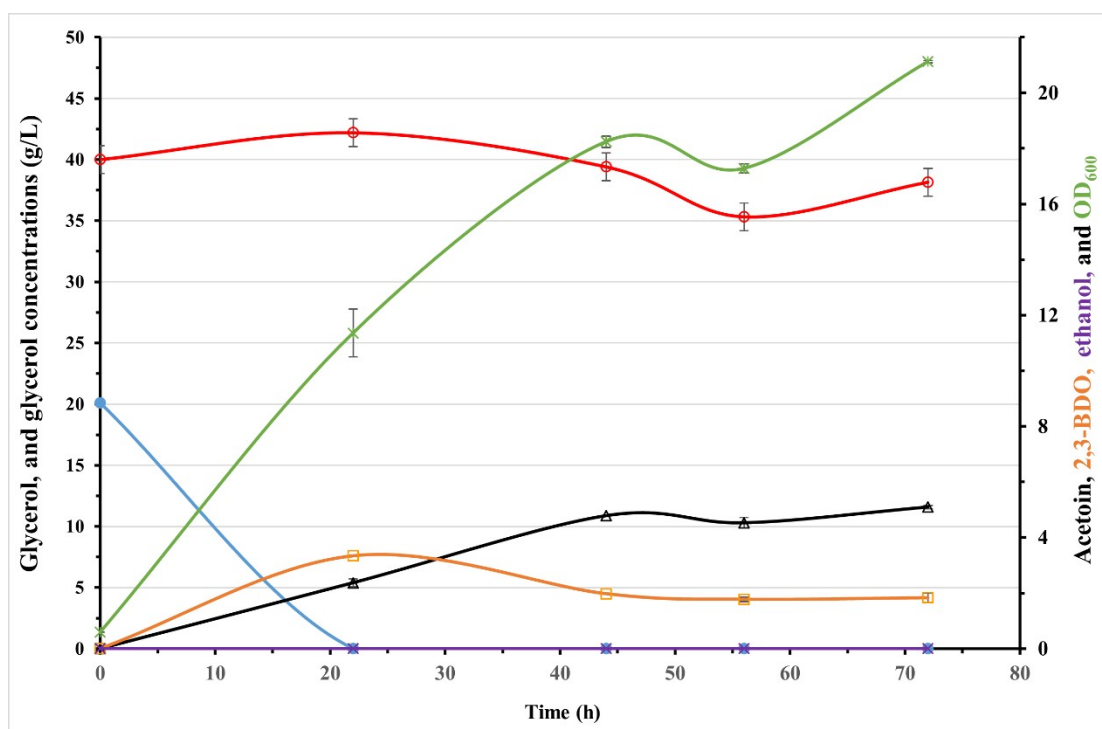


Fig. S1. Time course aerobic fermentation of glycerol-glucose mixture by SK-MA5, which replaced *ScADH1* with 2,3-BDO in the native strain (D452-2). The fermentation was carried out in 100-ml Erlenmeyer flasks containing 10 mL of YPD_{D20G40}, with orbital shaking at 200 rpm at 30°C. Glycerol (red open circle), glucose (sky blue closed circle), acetoin (black open triangle), 2,3-BDO (orange open square), and OD₆₀₀ (green star) were monitored. The data represents the SD of the average of two independent experiments.

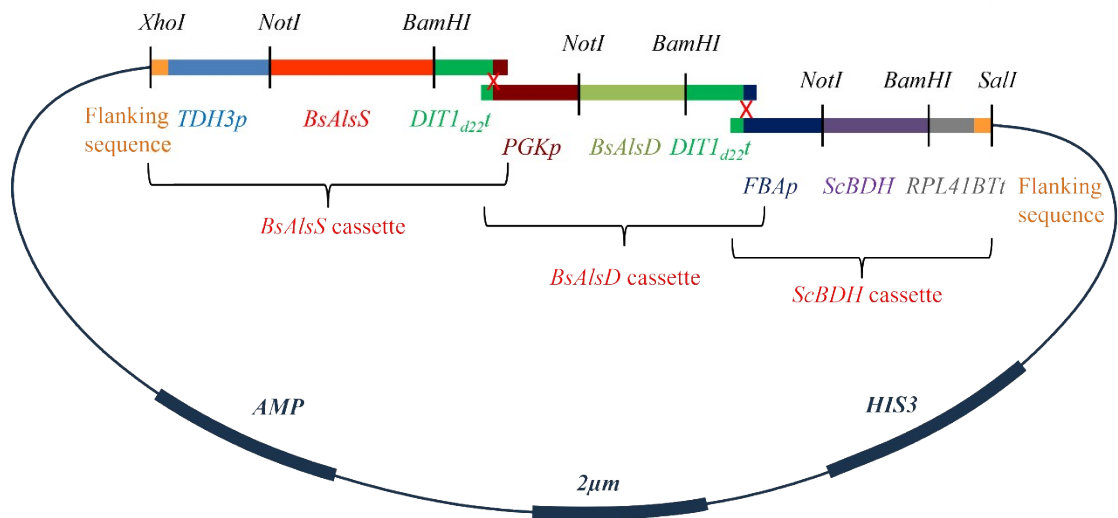


Fig. S2. Diagram illustrating the construction of the 2,3-BDO module in the HIS3 plasmid.

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