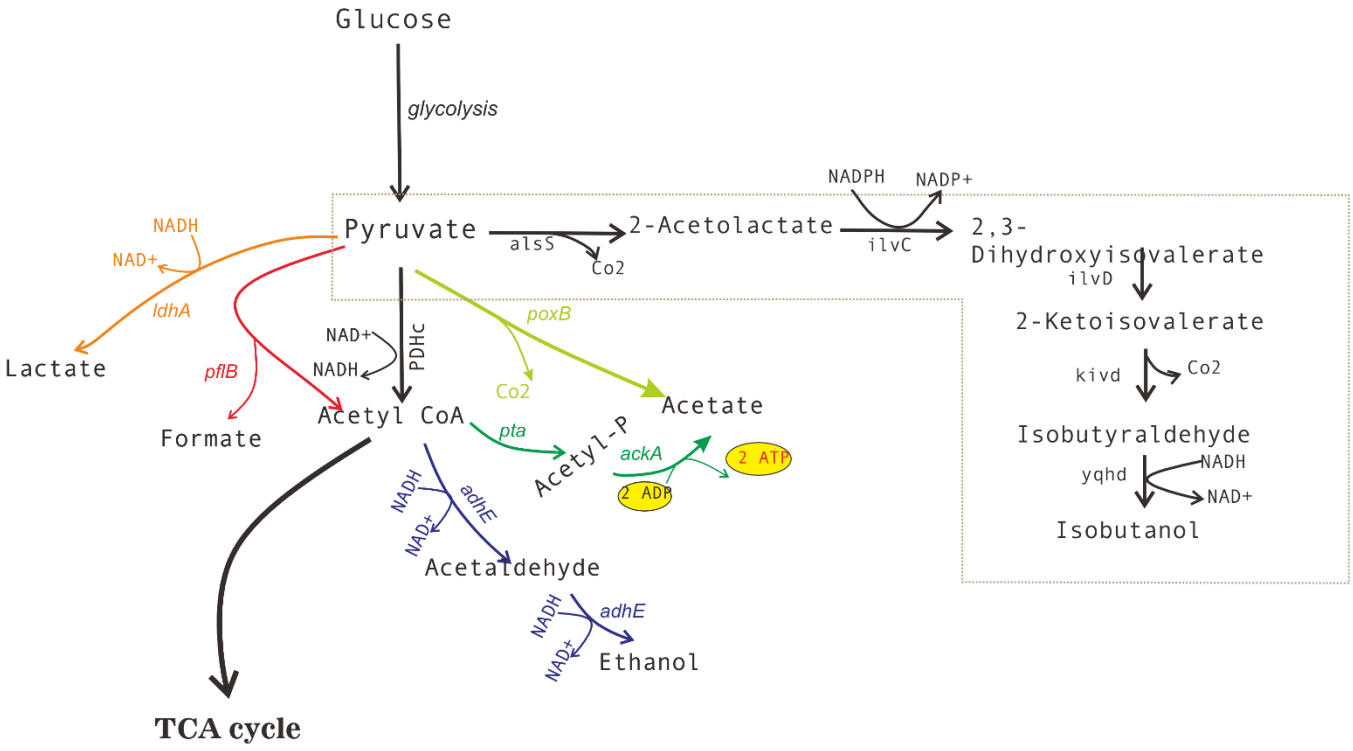
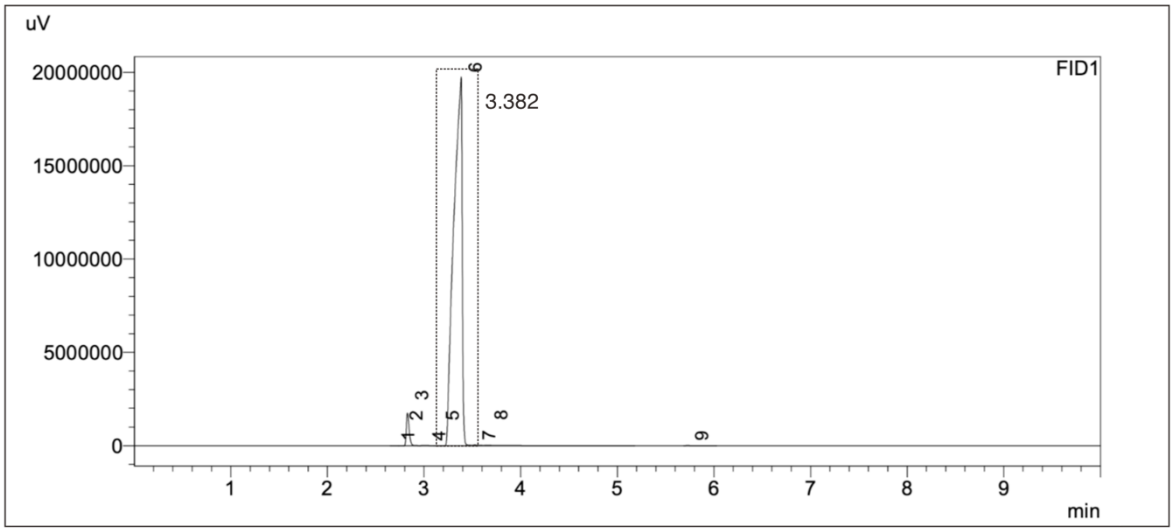
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Supplementary Files

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Supplementary Fig. 1. Glucose conversion by glycolysis and possible competitive pathway interacted with pyruvate as substrate that may decrease isobutanol production



Supplementary Fig. 2. GC-FID chromatogram of Isobutanol standard (A) and samples under temperature 30°C (B); 33.5°C; and 37°C (D). The retention time for isobutanol standard is 3.382 sec, while retention time for isobutanol in the samples varies from 3.270 to 3.274 sec.