



Figure S1. The effect of nitrogen sources on GABA production. The effect of nitrogen sources was evaluated using 250-mL Erlenmeyer fermentation flask under 32.0 °C for 96 h. Each nitrogen source was tested at level of 25 g/L. Vertical bars represent standard deviations of means ($n = 3$). There were no significant differences in GABA concentrations generation by yeast extract FM408 and yeast extract FM405 ($p = 0.842$) or yeast extract FM803 ($p = 0.701$); however, there was significant difference between yeast extract FM408 and yeast extract FM828 ($p = 0.005$), or yeast extract FM818 ($p = 0.001$), or any other nitrogen source ($p = 0.000$). GABA, gamma-aminobutyric acid.