

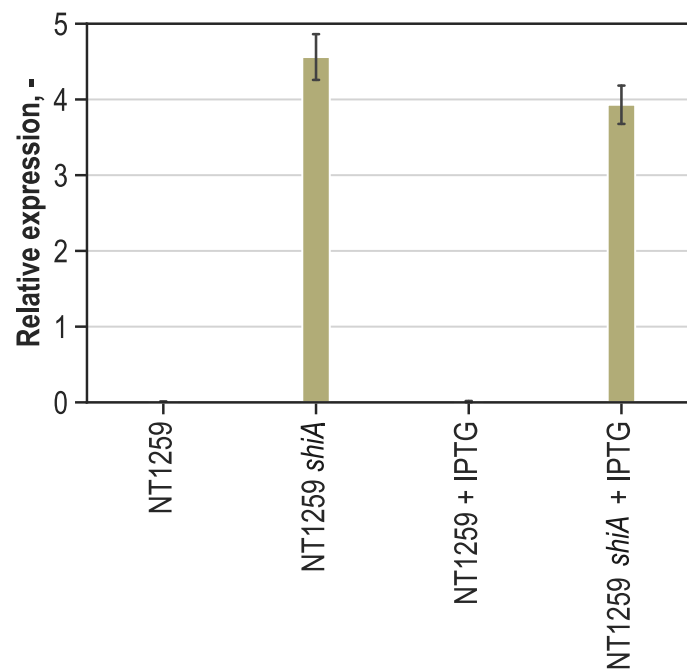
Metabolic Control Analysis of L-tryptophan producing *Escherichia coli* applying targeted perturbation with shikimate

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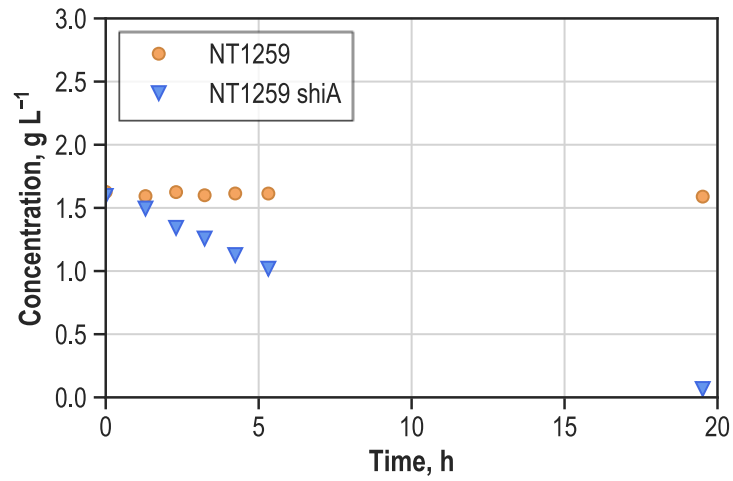
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Supplementary Fig. 1: Relative gene expression (without unit) of *shiA* gene relative to *ftsZ* gene of *E. coli* NT1259 pF112aroFBL_{Kan} (NT1259) and *E. coli* NT1259 *shiACg* pF112aroFBL_{Kan} (NT1259 *shiA*) after 17 h cultivation in 50 mL lysogeny broth in shake-flasks without and with 0.5 mM IPTG at 30°C and 200 rpm shaking.



Supplementary Fig. 2: Shikimate concentrations during cultivation of *E. coli* NT1259 pF112aroFBL_{Kan} (NT1259) and *E. coli* NT1259 shiACg pF112aroFBL_{Kan} (NT1259 shiA) in 100 mL minimal medium (6 g L⁻¹ glycerol and 1.6 g L⁻¹ shikimate, 0.3 mM IPTG) in shake-flasks at 37°C and 200 min⁻¹ shaking.