

Additional file 10

Table S1 Fermentation data of WT and transformants XH61-5 and XH86-8

Carbon source	Strain	Growth rate ($\text{g L}^{-1} \text{h}^{-1}$) ¹		Specific itaconate production rate $[\text{g}(\text{g}_{\text{DB}})^{-1} \text{h}^{-1}]^2$		Specific glucose formation rate $[\text{g}(\text{g}_{\text{DB}})^{-1} \text{h}^{-1}]^3$		Specific glucoamylase production rate $[\text{U}(\text{g}_{\text{DB}})^{-1} \text{h}^{-1}]^4$	
		One-step	Two-step	One-step	Two-step	One-step	Two-step	One-step	Two-step
LCS	WT	0.24±0.017	0.30±0.015	0.014±0.0019	0.072±0.0016	0.10±0.0029	0.20±0.0022	0.0056±0.0011	0.012±0.0028
	XH61-5	0.23±0.013	0.30±0.016	0.062±0.0014	0.090±0.0002	0.21±0.0043	0.30±0.0016	0.018±0.0031	0.023±0.0021
	XH86-8	0.23±0.021	0.29±0.004	0.079±0.0004	0.098±0.0002	0.37±0.0040	0.57±0.016	0.029±0.0012	0.046±0.0059
SCSH	WT	0.24±0.019	0.30±0.007	0.097±0.001	0.099±0.0007	--	--	ND	ND

LCS, liquefied corn starch; SCSH, saccharified corn starch hydrolysate; ND, Not detected; DB, dry biomass.

¹ One-step, 0-48 hr; Two-step, 0-36 hr

² One-step, 0-72 hr; Two-step, 0-72 hr

³ One-step, WT, 0-60 hr; XH61-5, 0-48 hr; XH86-8, 0-36 hr; Two-step, WT, 0-48 hr; XH61-5, 0-36 hr; XH86-8, 0-24 hr

⁴ One-step:0-48hr;Two-step:0-36 hr