

TABLE 4. Growth and ethanol production by *E. coli* strain SE2378 grown on glucose or xylose^a

Fermentation by strain	μ_{\max}	$Y_{X/S}$	Q_S	Q_P	$Y_{P/S}$	q_S	q_P
W3110							
Glucose	0.44	0.04	2.94	0.50	0.12	4.10	0.49
Xylose	0.37	0.04	1.58	0.36	0.18	4.93	0.89
SE2378							
Glucose	0.46	0.04	1.29	0.61	0.41	3.26	1.34
Xylose	0.38	0.04	1.65	0.53	0.42	5.33	2.24

^a Glucose and xylose fermentations by strains W3110 and SE2378 in L broth are presented in Table 3 and Fig. 1. The reported values are calculated maximum values. μ_{\max} , specific growth rate h^{-1} ; $Y_{X/S}$, g cells g substrate⁻¹; Q_S , g sugar consumed liter⁻¹ h⁻¹; Q_P , g ethanol produced liter⁻¹ h⁻¹; $Y_{P/S}$, g ethanol g substrate⁻¹; q_S , g sugar consumed g cell dry weight⁻¹ h⁻¹; q_P , g ethanol produced g cell dry weight⁻¹ h⁻¹.