

Strain	Time (h)	Glucose	Xylose	Xylitol	Glycerol	Acetate	Ethanol
SS81	Input	83.85 ± 3.25	35.62 ± 1.02	n.d.	n.d.	n.d.	n.d.
	0	83.19 ± 2.94	35.61 ± 0.74	n.d.	n.d.	n.d.	n.d.
	1	77.00 ± 2.90	35.21 ± 0.50	0.60 ± 0.53	1.48 ± 0.10	n.d.	4.12 ± 0.50
	3	54.51 ± 3.24	34.50 ± 0.46	1.02 ± 0.1	3.00 ± 0.21	0.43 ± 0.75	13.92 ± 1.47
	6	2.79 ± 0.79	31.73 ± 1.21	1.15 ± 0.11	5.08 ± 0.18	1.35 ± 0.11	37.37 ± 1.63
	12	0.30 ± 0.51	28.93 ± 1.01	1.30 ± 0.09	5.35 ± 0.14	1.37 ± 0.11	40.09 ± 1.33
	24	n.d.	24.07 ± 1.97	1.47 ± 0.08	5.36 ± 0.12	1.41 ± 0.09	41.13 ± 1.54
	36	n.d.	20.56 ± 2.37	1.69 ± 0.15	5.54 ± 0.22	1.42 ± 0.12	43.35 ± 1.82
	48	n.d.	16.94 ± 2.66	1.91 ± 0.16	5.68 ± 0.22	1.47 ± 0.13	45.05 ± 1.79
	60	n.d.	12.91 ± 2.75	2.07 ± 0.19	5.64 ± 0.36	1.49 ± 0.11	46.98 ± 1.94
	72	n.d.	9.52 ± 3.47	2.22 ± 0.20	5.77 ± 0.16	1.52 ± 0.11	49.20 ± 2.37
SS82	Input	83.85 ± 3.25	35.62 ± 1.02	n.d.	n.d.	n.d.	n.d.
	0	83.34 ± 3.30	35.65 ± 0.78	n.d.	n.d.	n.d.	n.d.
	1	76.34 ± 1.86	34.93 ± 0.03	0.89 ± 0.09	1.50 ± 0.09	n.d.	4.14 ± 0.53
	3	53.94 ± 3.45	34.34 ± 0.58	1.05 ± 0.08	3.10 ± 0.14	0.43 ± 0.75	14.09 ± 1.16
	6	2.81 ± 0.85	30.71 ± 0.99	1.20 ± 0.09	5.30 ± 0.10	1.34 ± 0.10	37.97 ± 1.21
	12	0.58 ± 0.51	24.28 ± 0.67	1.35 ± 0.11	5.49 ± 0.12	1.37 ± 0.10	41.46 ± 1.70
	24	n.d.	17.19 ± 2.02	1.58 ± 0.09	5.71 ± 0.07	1.41 ± 0.12	44.48 ± 0.95
	36	n.d.	11.15 ± 2.33	1.85 ± 0.12	6.00 ± 0.22	1.46 ± 0.11	47.68 ± 1.20
	48	n.d.	6.25 ± 1.63	1.91 ± 0.23	6.07 ± 0.33	1.48 ± 0.14	49.80 ± 1.38
	60	n.d.	3.14 ± 0.58	2.07 ± 0.17	6.18 ± 0.33	1.52 ± 0.11	51.67 ± 1.91
	72	n.d.	1.59 ± 0.52	2.12 ± 0.21	6.14 ± 0.21	1.56 ± 0.12	52.32 ± 0.57
SS89	Input	83.56 ± 2.13	35.77 ± 1.21	n.d.	n.d.	n.d.	n.d.
	0	81.94 ± 0.92	35.36 ± 0.27	n.d.	n.d.	n.d.	n.d.
	1	74.88 ± 0.67	35.07 ± 0.11	0.87 ± 0.07	1.50 ± 0.06	n.d.	4.29 ± 0.41
	3	52.52 ± 1.14	34.52 ± 0.29	0.99 ± 0.11	3.14 ± 0.15	n.d.	14.16 ± 0.33
	6	1.96 ± 0.19	30.59 ± 1.03	1.16 ± 0.11	5.15 ± 0.29	1.18 ± 0.04	37.47 ± 0.45
	12	0.34 ± 0.58	27.81 ± 1.04	1.29 ± 0.09	5.46 ± 0.20	1.21 ± 0.05	39.71 ± 0.63

	24	n.d.	$23.20 \pm 1.92$	$1.52 \pm 0.11$	$5.62 \pm 0.34$	$1.26 \pm 0.07$	$42.41 \pm 0.14$
	36	n.d.	$17.97 \pm 2.04$	$1.74 \pm 0.10$	$5.66 \pm 0.22$	$1.29 \pm 0.06$	$44.47 \pm 1.35$
	48	n.d.	$12.94 \pm 1.92$	$1.93 \pm 0.15$	$5.66 \pm 0.31$	$1.30 \pm 0.05$	$46.33 \pm 0.64$
	60	n.d.	$9.39 \pm 2.11$	$2.04 \pm 0.21$	$5.73 \pm 0.28$	$1.33 \pm 0.06$	$47.91 \pm 0.75$
	72	n.d.	$6.01 \pm 1.78$	$2.21 \pm 0.19$	$5.93 \pm 0.19$	$1.33 \pm 0.04$	$50.20 \pm 0.44$
	Input	$83.68 \pm 3.39$	$35.38 \pm 1.14$	n.d.	n.d.	n.d.	n.d.
	0	$82.68 \pm 1.53$	$35.29 \pm 0.27$	n.d.	n.d.	n.d.	n.d.
	1	$75.10 \pm 2.19$	$34.64 \pm 0.13$	$0.88 \pm 0.11$	$1.56 \pm 0.05$	n.d.	$4.48 \pm 0.15$
	3	$52.26 \pm 2.49$	$33.37 \pm 0.69$	$0.97 \pm 0.16$	$3.14 \pm 0.20$	$0.43 \pm 0.75$	$14.37 \pm 0.32$
	6	$3.02 \pm 0.75$	$30.69 \pm 0.58$	$1.17 \pm 0.17$	$5.47 \pm 0.04$	$1.31 \pm 0.13$	$38.12 \pm 0.88$
SS92	12	$0.77 \pm 0.05$	$23.51 \pm 1.01$	$1.37 \pm 0.18$	$5.68 \pm 0.22$	$1.34 \pm 0.12$	$42.37 \pm 0.27$
	24	n.d.	$15.02 \pm 1.37$	$1.60 \pm 0.15$	$5.83 \pm 0.13$	$1.38 \pm 0.11$	$45.57 \pm 1.03$
	36	n.d.	$8.04 \pm 0.31$	$1.78 \pm 0.24$	$6.11 \pm 0.43$	$1.41 \pm 0.13$	$48.82 \pm 1.36$
	48	n.d.	$3.76 \pm 0.37$	$1.91 \pm 0.23$	$6.25 \pm 0.39$	$1.44 \pm 0.14$	$50.12 \pm 1.52$
	60	n.d.	$1.67 \pm 0.04$	$1.90 \pm 0.24$	$5.98 \pm 0.44$	$1.48 \pm 0.14$	$50.94 \pm 1.56$
	72	n.d.	$1.00 \pm 0.08$	$1.99 \pm 0.09$	$6.23 \pm 0.30$	$1.53 \pm 0.14$	$52.69 \pm 0.40$
	Input	$82.68 \pm 1.65$	$35.2 \pm 0.84$	n.d.	n.d.	n.d.	n.d.
	0	$81.97 \pm 1.06$	$35.3 \pm 0.69$	n.d.	n.d.	n.d.	n.d.
	1	$75.63 \pm 3.19$	$35.31 \pm 0.97$	$0.87 \pm 0.10$	$1.54 \pm 0.02$	n.d.	$4.34 \pm 0.30$
	3	$51.34 \pm 3.08$	$33.93 \pm 1.30$	$1.00 \pm 0.10$	$3.19 \pm 0.08$	n.d.	$14.47 \pm 0.64$
	6	$1.37 \pm 0.24$	$32.30 \pm 0.21$	$1.21 \pm 0.15$	$5.58 \pm 0.15$	$1.30 \pm 0.11$	$38.60 \pm 0.66$
SS93	12	$0.82 \pm 0.09$	$27.67 \pm 0.41$	$1.30 \pm 0.13$	$5.52 \pm 0.10$	$1.32 \pm 0.12$	$39.81 \pm 0.41$
	24	n.d.	$22.85 \pm 0.61$	$1.52 \pm 0.13$	$5.67 \pm 0.23$	$1.37 \pm 0.12$	$42.25 \pm 0.66$
	36	n.d.	$17.89 \pm 1.05$	$1.72 \pm 0.13$	$5.68 \pm 0.16$	$1.38 \pm 0.11$	$43.88 \pm 0.75$
	48	n.d.	$13.52 \pm 1.08$	$1.91 \pm 0.15$	$5.75 \pm 0.23$	$1.42 \pm 0.14$	$45.78 \pm 0.84$
	60	n.d.	$8.94 \pm 1.46$	$2.02 \pm 0.24$	$5.72 \pm 0.39$	$1.45 \pm 0.14$	$47.42 \pm 0.37$
	72	n.d.	$5.85 \pm 1.10$	$2.20 \pm 0.24$	$5.92 \pm 0.35$	$1.46 \pm 0.16$	$49.24 \pm 0.48$