Table S1. Energy balance on COD basis and molar conversion for batches under various localized temperature differences.

Metabolites	Batch									
	Control (35 ± 0.1 ℃)		E1 (35 ± 1.5 ℃)		E2 (35 ± 3.0 ℃)		E3 (35 ± 5.0 ℃)		E4 (35 ± 1.5 ℃)	
	En. Dis.*	M. Con.**	En. Dis.	M. Con.	En. Dis.	M. Con.	En. Dis.	M. Con.	En. Dis.	M. Con.
ResGLC (residual glucose)	8.000	0.080	10.000	0.100	11.000	0.110	17.000	0.170	11.00	0.110
Biomass	9.800	0.098	7.700	0.077	7.560	0.076	6.160	0.062	8.400	0.084
H_2	13.083	1.570	12.500	1.500	10.583	1.270	8.000	0.960	12.250	1.470
Acetate (HAc)	16.000	0.480	12.900	0.387	20.200	0.606	13.200	0.396	20.000	0.600
Butyrate (HBu)	48.000	0.576	53.100	0.637	32.600	0.391	27.000	0.324	34.000	0.408
Propionate (HPr)	0.000	0.000	0.000	0.000	0.900	0.015	0.300	0.005	4.000	0.069
Lactate (HLa)	3.000	0.060	2.000	0.040	9.100	0.182	18.000	0.360	7.000	0.140
Sum	97.883	-	98.200	-	91.943	-	89.660	-	96.650	-

* refers to energy distribution (%); ** refers to molar conversion (mol/mol $hexose_{added}$)