

Table 1. Fermentation patterns of *S. typhimurium*. Strain PP418 and PP1705 were grown anaerobically on glucose under carbon limitation. For calculations, see Methods and materials. q 's are expressed in $\text{mmol g}^{-1} \text{h}^{-1}$; D is expressed in h^{-1}

	PP418			PP1705			
	$D =$	0.17	0.25	0.33	0.17	0.25	0.33
q_{Glucose}		7.60	12.47	16.41	9.75	18.34	21.56
q_{Acetate}		6.56	10.55	11.80	8.00	13.88	16.31
q_{Ethanol}		5.26	8.36	10.08	8.22	10.74	11.82
$q_{\text{CO}_2 + \text{Formate}}$		12.51	19.08	19.80	15.80	28.23	28.70
q_{Lactate}		0.42	1.80	4.16	0	0.68	2.29
$q_{\text{Succinate}}$		1.09	1.96	2.26	0.94	3.42	3.52
q_{Biomass}		1.70	2.50	3.30	1.70	2.50	3.30
Redox balance		0.97	0.98	1.05	1.15	1.02	0.94
Carbon recovery (%)		106.1	106.5	99.6	99.9	93.8	94.3