

Supplementary information

Table S1 Net NADH balance per one mole of product formation from the corresponding mole of glucose and glycerol.

Product	From glucose			From glycerol		
	Generated	Consumed	Net	Generated	Consumed	Net
Butanol	+2 NAD(P)H	-4 NAD(P)H	-2	+4 NAD(P)H	-4 NAD(P)H	0
Isopropanol	+2 NAD(P)H	-1 NAD(P)H	+1	+4 NAD(P)H	-1 NAD(P)H	+3
Acetone	+2 NAD(P)H	0 NAD(P)H	+2	+4 NAD(P)H	0 NAD(P)H	+4
Butyrate	+2 NADH	- 2 NADH	0	+4 NADH	-2 NADH	+2
Acetate	+1 NADH	0 NADH	+1	+2 NADH	0 NADH	+2