

Cultures	Glucose concentration (mM)	Glucose utilization (%)	H ₂ production (mM)	H ₂ yield (mol / mol glucose _{consumed})
<i>C. butyricum</i> in anaerobic JM medium				
	0	-	-	-
	10	100	21.4±0.6	2.1±0.1
	20	70.0±1.0	36.5±0.1	1.8±0.0
	50	38.0±2.0	37.7±4.0	0.8±0.1
<i>ADP1-g – C. butyricum</i> coculture in aerobic JM medium				
	0	-	-	-
	10	100	13.0±0.2	1.3±0.0
	20	100	47.0±1.4	2.4±0.1
	50	84.0±2.0	59.5±3.2	1.2±0.1

Additional file 1: **Table S1. Substrate utilization and H₂ production profiles from *C. butyricum* and ADP1-g – *C. butyricum* coculture grown in 10ml JM medium supplemented with glucose and 10 mM acetate.** Data represents the average from triplicate experimental repeats ± standard deviation.