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**Laboratory scale bioaugmentation relieves acetate accumulation and stimulates methane production in stalled anaerobic digesters**

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**Supplemental material**

**Supplemental Table S1** The total (TS) and volatile (VS) solids composition of reactor input material

	<b>%TS</b>	<b>%VS (of TS)</b>
Inoculum	12.1	76.5
Thin Stillage	12.0	90.4
Input	5.02	81.1

**Supplemental Table S2** OTU-specific qPCR primer sequences and amplification conditions

<b>Target</b>	<b>Primer Sequence (5'-3')</b>	<b>Amplification conditions</b>	<b>Reference</b>
OTU795	CCTAAGCGTTCCCATAGAA	95°C 5 min (1x)	Town et al.
	TTGCCTCTTCCTGGTCTA	95°C 15 sec; 55°C 20 sec; 72°C 20 sec (40x) 72°C 2 min (1x)	Bioresour. Technol. 151:249-257, 2014.
OTU805	AGATCGCCATCGACATCA	95°C 5 min (1x)	Town et al.
	CTCGGTGAGCTTCTCCTT	95°C 15 sec; 57°C 20 sec; 72°C 20 sec (40x) 72°C 2 min (1x)	Bioresour. Technol. 151:249-257, 2014
OTU2923	CCGTCCTGAACGAGCCCTA	95°C 5 min (1x)	This study
	GCTGCACGACCTTCTCCA	95°C 15 sec; 57°C 20 sec; 72°C 20 sec (40x) 72°C 2 min (1x)	
OTU1109	GTCTAACACCATCGGCACTAC	95°C 5 min (1x)	This study
	CGCTCGCTGTCGGTAATC	95°C 15 sec; 57°C 20 sec; 72°C 20 sec (40x) 72°C 2 min (1x)	