Table 4. Primers used for qRT-PCR

Organism	Gene ID	Annotation	Primer	Sequence (5'->3')	Size (bp)
B. thetaiotaomicron	BT0307	Phosphofructokinase	BT0307.F	GCTTTGCAGGTACAGCCTAACG	111
			BT0307.R	CAGCACGGTCAGCTACCACTTT	
	BT1688	Methylmalonyl-CoA synthetase	BT1688.F	ACCGAAAACTGCTCCCAAACC	108
			BT1688.R	GCCTGATTTGCCTGTAGAAGGA	
	BT1757	Fructokinase	BT1757.F	TTTACTGCCGCTTTCTGTGCTT	102
			BT1757.R	CACCGCTCTGCGTACAAACAT	
	BT1759	Fructofuranosidase	BT1759.F	AACGGACGCACTTTCACCAA	104
			BT1759.R	CCAGCGTTTTGTTGCTTCGTA	
	BT1765	Fructofuranosidase	BT1765.F	ACGAAAGTCAGGTGCGTCTTG	102
			BT1765.R	GGCAAAGCAAAAGGAACGAA	
	BT3082	Fructofuranosidase	BT3082.F	TTCCCGTAAAGGAGGTCGAATC	111
			BT3082.R	CGGAGACAGTCGGCATCATAA	
	BT2552	Butyrate kinase	BT2552.F	CGTACCCATGCCTGCAACTTA	118
			BT2552.R	CGCGCTACATCTTCCAGTTCA	
	BT3693	Acetate kinase	BT3693.F	GAAGCTTTTGCTGCCTGCAA	107
			BT3693.R	TACGCCTACCTGCGGAATGTT	
	BT4738	Pyruvate:formate lyase	BT4738.F	TCGAAGCGTTGGCAGAAGAA	121
			BT4738.R	GCCGACGATCAGTTCGTTTTC	
	BT.16S	16S	16S.F	GGTAGTCCACACAGTAAACGATGAA	127
			16S.R	CCCGTCAATTCCTTTGAGTTTC	
M. smithii	MSM.C69.324	Formate DH, subunit C	FdhC.F	TGGCCTGGAGGTCAAATGAA	124
			FdhC.R	CCTTTGAATACTTCGCCGTCAA	
	MSM.C69.325	Formate DH, subunit A	FdhA.F	GCTCGTTCACCAAACGAAAACA	159
			FdhA.R	TGTCGAATCCGTTGGTCATAGC	
	MSM.C69.326	Formate DH, subunit B	FdhB.F	GCTGTTGAAGAACCACTCGAAA	112
			FdhB.R	TCTCCGGAAGTACCTGCGTAA	
	MSM.C69.329	Formylmethanofuran DH, subunit F	FwdF.F	AGGCAGTTGTTGCAGATTCATG	123
			FwdF.R	AGCTGACAACCGCAACATTG	
	MSM.C69.334	Formylmethanofuran DH, subunit A	FwdA.F	ACCCAGCTAACGGAATAAATGG	146
			FwdA.R	CAACGTGAGCGTGAGGATCTAC	
	MSM.C69.335	Formylmethanofuran DH, subunit C	FwdC.F	TGGCCTGGAGGTCAAATGAA	124
			FwdC.R	CCTTTGAATACTTCGCCGTCAA	
	MSM.16S	16S	16S.F	AACACCGGCAGCTCTAGTGGTA	106
			16S.R	CCAGCAATTCCCACAGTTAAGC	
Host	Fas	Fatty Acid Sythase	Fas.F	TGGTGAATTGTCTCCGAAAAGA	149
			Fas.R	CACGTTCATCACGAGGTCATG	
	L32	Ribosomal Protein L32	L32.F	CCTCTGGTGAAGCCCAAGATC	102
			L32.R	TCTGGGTTTCCGCCAGTTT	