

Supplementary Table 1. List of Primers and Polymerase Chain Reaction Conditions Used in This Study

Target	Direction	Primer sequence	Amplicon size	Annealing temp.	Reference
<i>Uncultured bacterium</i>	forward	CTTATGAATAAGGACCGGCTAATT	215	58 celcius	This study
	reverse	CTAAGCATTTCACCGCTACAC			
<i>Prevotella</i>	forward	CAACGGTGAAACTCAAAGGAATT	198	58 celcius	This study
	reverse	CACTTAAGCCGACACCTCAC			
<i>Bacteroides</i>	forward	CAACGGTGAAACTCAAAGGAATT	202	58 celcius	This study
	reverse	GTTATGGCACTTAAGCCGACA			
<i>Lachnospiraceae bacterium</i>	forward	CTACACTAGGAATTCGCTTG	217	58 celcius	This study
	reverse	GAAGAAAATGACGGTACCTGAC			
<i>Uncultured bacterium</i>	forward	GTATCGAACAGGATTGGATACC	207	58 celcius	This study
	reverse	GTAAGGTTCCCTCGCGTATCAT			
<i>Uncultured bacterium</i>	forward	GAGGCAGCAGTGGGGAATAT	196	58 celcius	This study
	reverse	AGTAAATCCGGACAACGCTTG			
<i>Uncultured bacterium</i>	forward	GTCCACGCAGTAAACGATGAA	206	58 celcius	This study
	reverse	TGATTGCGCCGACGTTTGAG			
<i>Dialister</i>	forward	GATTAGATACCCTGGTAGTCCA	225	58 celcius	This study
	reverse	GAATGGCGATCAATGTCAAGAC			
<i>Agathobacter</i>	forward	GAGACTGCCAGGGATAACCT	199	58 celcius	This study
	reverse	GATTACTAGCGATTCCAGCTTC			
<i>Ruminococcus</i>	forward	CTTGAGTGAAGTAGAGGTAGG	174	58 celcius	This study
	reverse	AATCATCGTTTACAGCGTGGAC			
<i>Clostridiales_uc_F</i>	forward	GATTAGATACCCTGGTAGTCC	199	58 celcius	This study
	reverse	GTAAGGTTCTTCGCGTTGCTT			
<i>Uncultured bacterium</i>	forward	GAAGGTTCTTCGCGTTGCTT	199	58 celcius	This study
	reverse	GTATTTCATCGTTTACGGCGTG			
<i>Uncultured bacterium</i>	forward	AACGATGGATACTAGGTGTGG	202	58 celcius	This study
	reverse	TCTAGACCGGTCAATCGGGAT			
<i>Clostridium</i>	forward	GGCTTACTGGACAGTAACTGA	195	58 celcius	This study
	reverse	CCCCTCAATTCCTTTGAGTTTC			
<i>Veillonellaceae</i>	forward	GGATGACGTCAAGTCATCATG	199	58 celcius	This study
	reverse	GGAACGTATTACCCGAGTAT			
<i>Uncultured bacterium</i>	forward	GGCAGCAGTGGGGAATATTG	214	58 celcius	This study
	reverse	CCTACACACCCTTTACACCC			
<i>Uncultured bacterium</i>	forward	CCTACCAAGTCGACGATCAG	204	58 celcius	This study
	reverse	CCAGGTACCGTCACTTCCTT			
<i>Uncultured bacterium</i>	forward	GGAGTACGTTTCGCAAGAATGAA	211	58 celcius	This study
	reverse	GGACTTAACCCAACATCTCAC			
<i>Butyricimonas virosa</i>	forward	ACTGGATCTTGGCGATACACT	199	58 celcius	This study
	reverse	GAAGAAGCGTTTCCACCTCAT			
<i>Christensenella</i>	forward	AACTGAGACACGGTCCAGAC	198	58 celcius	This study
	reverse	TACGTATTACCGCGGTGCT			
<i>Leuconostocaceae</i>	forward	AGACTGCCGGTGACAACC	198	58 celcius	This study
	reverse	GATTACTAGCGATTCCGACTTC			
<i>Uncultured bacterium</i>	forward	GTGGGGAATATTGCACAATTGG	198	58 celcius	This study
	reverse	CTCCCTTACACCCAGTAATC			
<i>Uncultured bacterium</i>	forward	CAAACGCAGTAAGTATCCACC	202	58 celcius	This study
	reverse	GACAACCATGCACCACCTGT			
<i>Uncultured bacterium</i>	forward	CAACGCAATAAGTAGTCCACCT	199	58 celcius	This study
	reverse	CAACCATGCACCACCTGTCT			
<i>Lactobacillus casei</i>	forward	GTGAAGAAGGCTTTCGGGTC	210	58 celcius	This study
	reverse	CCGAGGGCTTTCACATCAGA			
<i>Mitsuokella jalaludinii</i>	forward	TTCTTGAGTGCAGGAGAGGAAA	195	58 celcius	This study
	reverse	GATACCTCCTACACCTAGCATT			
<i>Lachnospiraceae bacterium</i>	forward	GGCAGCAGTGGGGAATTTG	197	58 celcius	This study
	reverse	ACACCCAGTAAATCCGGATAAC			
<i>Paraburkholderia kururiensis</i>	forward	GTCTGTGAGATGTTGGGTTAAGT	222	58 celcius	This study
	reverse	ACTACGATCGGTTTTCTGGGAT			
<i>Uncultured bacterium</i>	forward	GTAAGGCTCTATCAGCAGGGAA	201	58 celcius	This study
	reverse	TAGCTGCACAGTTTCAAAGCA			
<i>Uncultured bacterium</i>	forward	CTTAGATATCACGAAGAACCCC	192	58 celcius	This study
	reverse	GTAAGGCTCTATCAGCAGGGAA			
<i>Actinomyces</i>	forward	TTGTGAACCTTTCGCCAGT	196	58 celcius	This study
	reverse	CCAGTTAAGCCAGAGGATTTT			
<i>Anaerofustis</i>	forward	GTTTTCCGGCTCAACCGGAAAA	194	58 celcius	This study
	reverse	CTACCAGGGTATCTAATCCTGT			
<i>Rhodospirillaceae</i>	forward	AAACTCAAAGGAATTACGGGG	194	58 celcius	This study
	reverse	GGACTTAACCCAACATCTCAC			
<i>Bradyrhizobium</i>	forward	GGG AAG ATA ATG ACG GTA CC	224	58 celcius	This study
	reverse	TCT ACA CTC GCA GTT CCA CT			
<i>Uncultured bacterium</i>	forward	CAAACAGGATTAGATACCCTGG	209	58 celcius	This study
	reverse	GTAGGTAAGGTTTTTCGCGTTG			
<i>Burkholderiales</i>	forward	GCACAAGCGGTGGATGATGT	190	58 celcius	This study
	reverse	TGACAAGGGTTGCGCTCGTT			
<i>Natronincola</i>	forward	CCA CAC TGG AAC TGA GAC AC	226	58 celcius	This study
	reverse	ATT CCG GAT AAC GCT TGC CC			
<i>Gemmata</i>	forward	ACAGGTGCTGCATGGCTGT	197	58 celcius	This study
	reverse	ATTGTAGCACGTGTGCAGCC			