

Table S1. Effect of saccharide on bacterial growth and pH

Bacteria	JCM		G1 [*]	X1 [*]	X3 [*]	DX3 [*]
<i>Bacteroides thetaiotaomicron</i>	5827	OD ₆₀₀	0.93±0.01	1.01±0.02	0.33±0.02	0.24±0.01
		pH	-0.80±0.15	-1.07±0.21	-0.13±0.08	-0.26±0.05
<i>Bacteroides vulgatus</i>	5826	OD ₆₀₀	0.17±0.01	0.40±0.01	0.43±0.03	0.36±0.03
		pH	-1.13±0.04	-1.35±0.12	-1.25±0.03	-1.04±0.02
<i>Bifidobacterium adolescentis</i>	7046	OD ₆₀₀	1.46±0.00	1.10±0.00	1.34±0.02	1.39±0.01
		pH	-2.34±0.10	-2.29±0.08	-2.23±0.06	-2.37±0.08
<i>Bifidobacterium longum</i> subsp. <i>infantis</i>	1222	OD ₆₀₀	1.28±0.04	0.00±0.00	-0.01±0.01	0.02±0.02
		pH	-2.15±0.04	-0.02±0.05	0.06±0.04	0.03±0.07
<i>Bifidobacterium longum</i> subsp. <i>longum</i>	1217	OD ₆₀₀	1.59±0.01	1.01±0.01	-0.01±0.00	0.00±0.00
		pH	-2.39±0.05	-2.37±0.17	0.17±0.07	0.17±0.15
<i>Clostridium paraputrificum</i>	1293	OD ₆₀₀	1.55±0.03	0.02±0.03	N.D. ^{**}	0.03±0.03
		pH	-1.49±0.07	0.07±0.07	N.D. ^{**}	-0.01±0.04
<i>Eubacterium limosum</i>	6421	OD ₆₀₀	1.40±0.00	-0.03±0.01	N.D. ^{**}	0.02±0.00
		pH	-1.43±0.01	-0.04±0.21	N.D. ^{**}	0.04±0.10
<i>Lactobacillus acidophilus</i>	1132	OD ₆₀₀	0.88±0.03	-0.00±0.00	-0.01±0.01	0.01±0.00
		pH	-2.34±0.06	-0.08±0.14	0.01±0.07	0.03±0.11
<i>Lactobacillus casei</i>	1134	OD ₆₀₀	0.77±0.01	0.01±0.01	0.00±0.00	0.02±0.01
		pH	-2.59±0.07	0.02±0.12	0.06±0.15	0.09±0.06
<i>Lactobacillus salivarius</i>	1040	OD ₆₀₀	1.19±0.02	-0.02±0.01	0.03±0.02	0.05±0.02
		pH	-2.55±0.06	-0.08±0.02	0.18±0.02	0.10±0.06

The OD₆₀₀ and pH were monitored after incubation in PYF medium with or without sugar at 37 °C for 96 h.

* The data were obtained by the subtraction of each bacterial growth without sugar.

** N.D., Not determined.