

Relative abundance of each genus	Sample1-30c	Sample1-25c	Sample1-20c	Sample1-15c	Sample2-30c	Sample2-25c	Sample2-20c	Sample2-15c
Lynngbya	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Pannonibacter	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Novosphingobium	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Mesorhizobium	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%
Bradyrhizobium	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Methylobacterium	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Terasakiella	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Roseospirillum	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Ralstonia	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Wautersia	0.04%	0.02%	0.04%	0.00%	0.00%	0.00%	0.00%	0.00%
Oxalobacter	0.03%	0.02%	0.00%	0.00%	0.32%	0.37%	0.27%	0.04%
Herbaspirillum	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Kerstesia	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Sutterella	2.83%	2.98%	2.90%	2.90%	2.57%	3.10%	2.55%	1.82%
Limnobacter	0.14%	0.05%	0.11%	0.07%	0.17%	0.04%	0.10%	0.16%
Paucimonas	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Neisseria	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Laribacter	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Microvirgula	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Rhodanobacter	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Acinetobacter	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Succinivibrio	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%
Escherichia	0.07%	0.13%	0.05%	0.03%	0.00%	0.00%	0.00%	0.00%
Klebsiella	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Raoultella	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Yersinia	0.00%	0.01%	0.01%	0.01%	0.00%	0.01%	0.01%	0.00%
Enterobacter	0.03%	0.00%	0.00%	0.00%	0.04%	0.02%	0.03%	0.00%
Shigella	0.44%	0.62%	0.30%	0.45%	0.00%	0.00%	0.01%	0.01%
Haemophilus	0.15%	0.30%	0.07%	0.11%	0.70%	0.74%	0.72%	0.63%
Desulfovibrio	0.71%	0.87%	0.47%	0.69%	0.73%	0.96%	0.62%	0.40%
Campylobacter	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Helicobacter	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Clostridium	3.37%	3.29%	3.65%	3.04%	0.83%	0.74%	0.81%	0.42%
Acetivibrio	1.65%	1.49%	1.62%	1.70%	1.47%	1.59%	1.43%	1.52%
Anaerotruncus	3.00%	2.71%	3.22%	3.14%	3.08%	3.29%	3.12%	2.68%
Bryantella	0.13%	0.11%	0.03%	0.02%	0.18%	0.02%	0.01%	0.01%
Coprobacillus	0.09%	0.18%	0.05%	0.05%	0.53%	0.61%	0.43%	0.18%
Dorea	3.15%	2.76%	3.10%	2.90%	1.97%	1.77%	1.92%	2.12%
Faecalibacterium	7.27%	7.74%	8.42%	8.18%	7.69%	8.06%	7.24%	7.04%
Sporobacter	0.26%	0.23%	0.13%	0.12%	0.12%	0.11%	0.11%	0.06%
Subdoligranulum	0.63%	0.61%	0.45%	0.41%	2.42%	2.44%	2.45%	3.23%
Acetanaerobacterium	0.06%	0.06%	0.03%	0.03%	0.53%	0.67%	0.64%	0.48%

Parasporobacterium	0.03%	0.03%	0.02%	0.02%	0.25%	0.22%	0.17%	0.08%
Lachnospira	2.59%	2.71%	2.67%	2.64%	4.51%	4.43%	4.73%	4.46%
Anaerofilum	0.00%	0.00%	0.00%	0.00%	0.03%	0.02%	0.02%	0.00%
Anaerostipes	2.92%	2.47%	3.20%	3.08%	2.59%	1.91%	2.41%	2.31%
Butyrivibrio	0.06%	0.06%	0.03%	0.02%	0.19%	0.15%	0.17%	0.05%
Catenibacterium	0.01%	0.02%	0.01%	0.02%	0.00%	0.00%	0.00%	0.00%
Coprococcus	0.10%	0.06%	0.05%	0.04%	1.38%	1.31%	1.29%	1.06%
Pseudobutyrvibrio	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Roseburia	4.30%	4.06%	4.32%	3.60%	9.10%	8.39%	9.53%	12.00%
Ruminococcus	19.75%	19.54%	20.99%	21.20%	22.55%	20.36%	22.85%	27.58%
Oribacterium	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Lachnobacterium	0.60%	0.41%	0.34%	0.40%	0.16%	0.15%	0.14%	0.19%
Peptostreptococcus	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Anaerococcus	0.02%	0.01%	0.02%	0.01%	0.01%	0.00%	0.00%	0.00%
Micromonas	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.00%
Eubacterium	4.88%	4.73%	5.16%	5.11%	4.20%	3.70%	3.88%	3.45%
Anaerovorax	0.37%	0.37%	0.11%	0.25%	0.61%	0.73%	0.51%	0.16%
Mogibacterium	0.01%	0.01%	0.01%	0.00%	0.01%	0.01%	0.01%	0.01%
Anaerofustis	0.10%	0.08%	0.00%	0.00%	0.03%	0.00%	0.00%	0.00%
Peptococcus	1.13%	1.19%	1.44%	1.55%	0.02%	0.00%	0.00%	0.00%
Desulfitobacterium	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Acidaminococcus	0.89%	0.97%	0.92%	0.91%	0.00%	0.00%	0.00%	0.00%
Allisonella	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Dialister	0.88%	1.11%	1.42%	1.79%	0.00%	0.00%	0.00%	0.00%
Megasphaera	0.04%	0.02%	0.04%	0.02%	0.02%	0.02%	0.01%	0.02%
Mitsuokella	0.00%	0.00%	0.00%	0.00%	0.01%	0.01%	0.00%	0.01%
Papillibacter	6.56%	5.93%	5.40%	4.73%	5.12%	5.44%	4.96%	3.21%
Phascolarctobacterium	0.00%	0.00%	0.00%	0.01%	0.48%	0.22%	0.42%	0.35%
Succiniclaticum	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Veillonella	0.75%	0.87%	0.40%	0.43%	0.04%	0.04%	0.04%	0.02%
Anaerosinus	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Caloranaerobacter	0.02%	0.01%	0.02%	0.00%	0.07%	0.05%	0.06%	0.02%
Dehalobacter	0.00%	0.00%	0.00%	0.00%	0.07%	0.11%	0.08%	0.04%
Fusibacter	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Hespellia	0.00%	0.00%	0.00%	0.00%	0.14%	0.20%	0.13%	0.06%
Garciella	0.40%	0.53%	0.24%	0.19%	0.00%	0.00%	0.00%	0.00%
Pelotomaculum	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Acidaminobacter	0.03%	0.00%	0.00%	0.00%	0.32%	0.43%	0.25%	0.16%
Mahella	0.00%	0.00%	0.00%	0.00%	0.17%	0.28%	0.19%	0.14%
Camnicella	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%
Oxobacter	0.00%	0.00%	0.00%	0.00%	0.45%	0.25%	0.22%	0.11%
Holdemania	0.46%	0.60%	0.16%	0.25%	1.21%	1.99%	1.19%	0.35%
Solobacterium	0.27%	0.40%	0.13%	0.09%	0.14%	0.16%	0.10%	0.00%
Bulleidia	0.00%	0.00%	0.00%	0.00%	0.00%	0.04%	0.00%	0.00%
Staphylococcus	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%
Gemella	0.03%	0.03%	0.02%	0.01%	0.06%	0.06%	0.05%	0.04%
Turicibacter	0.27%	0.36%	0.14%	0.22%	0.04%	0.04%	0.03%	0.02%

Lactobacillus	0.00%	0.00%	0.00%	0.00%	0.40%	0.43%	0.45%	0.21%
Enterococcus	0.00%	0.00%	0.00%	0.00%	0.91%	0.86%	0.84%	0.79%
Streptococcus	1.85%	2.33%	1.19%	1.01%	5.17%	4.68%	5.78%	8.43%
Lactococcus	0.00%	0.00%	0.00%	0.00%	0.62%	0.58%	0.54%	0.35%
Syntrophococcus	0.08%	0.05%	0.00%	0.00%	1.77%	1.55%	1.98%	2.31%
Collinsella	2.32%	2.17%	1.27%	1.97%	0.57%	1.32%	1.06%	0.37%
Eggerthella	0.60%	0.44%	0.26%	0.34%	0.13%	0.27%	0.18%	0.07%
Slackia	0.03%	0.02%	0.00%	0.00%	0.06%	0.21%	0.09%	0.06%
Actinomyces	0.02%	0.01%	0.03%	0.02%	0.00%	0.03%	0.00%	0.00%
Rothia	0.00%	0.01%	0.00%	0.00%	0.02%	0.02%	0.01%	0.00%
Brachybacterium	0.00%	0.00%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%
Corynebacterium	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Bifidobacterium	11.40%	10.60%	14.54%	15.74%	0.34%	0.31%	0.30%	0.06%
Brachyspira	0.30%	0.15%	0.53%	0.43%	0.30%	0.12%	0.41%	0.85%
Leptospira	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Leptonema	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Bacteroides	3.66%	4.35%	2.13%	2.20%	6.73%	7.07%	6.56%	4.98%
Alistipes	0.92%	1.04%	0.68%	0.57%	0.80%	0.98%	0.75%	0.36%
Tannerella	0.14%	0.14%	0.09%	0.08%	1.51%	2.23%	1.71%	0.87%
Prevotella	4.42%	4.72%	5.11%	4.55%	2.21%	2.66%	2.42%	2.95%
Anaerophaga	0.98%	1.34%	0.58%	0.67%	0.33%	0.68%	0.34%	0.21%
Rikenella	0.04%	0.04%	0.02%	0.02%	0.03%	0.03%	0.04%	0.03%
Fusobacterium	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Cetobacterium	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Verrucomicrobium	1.36%	1.25%	1.50%	1.80%	0.75%	0.67%	0.63%	0.40%
Victivallis	0.32%	0.51%	0.08%	0.13%	0.02%	0.02%	0.02%	0.00%

Decreased with cycles

Increased with cycles

Stable

Bias was assigned based on manual inspection of consistency of increase or decrease in relative abundance among different amplification cycle experiments