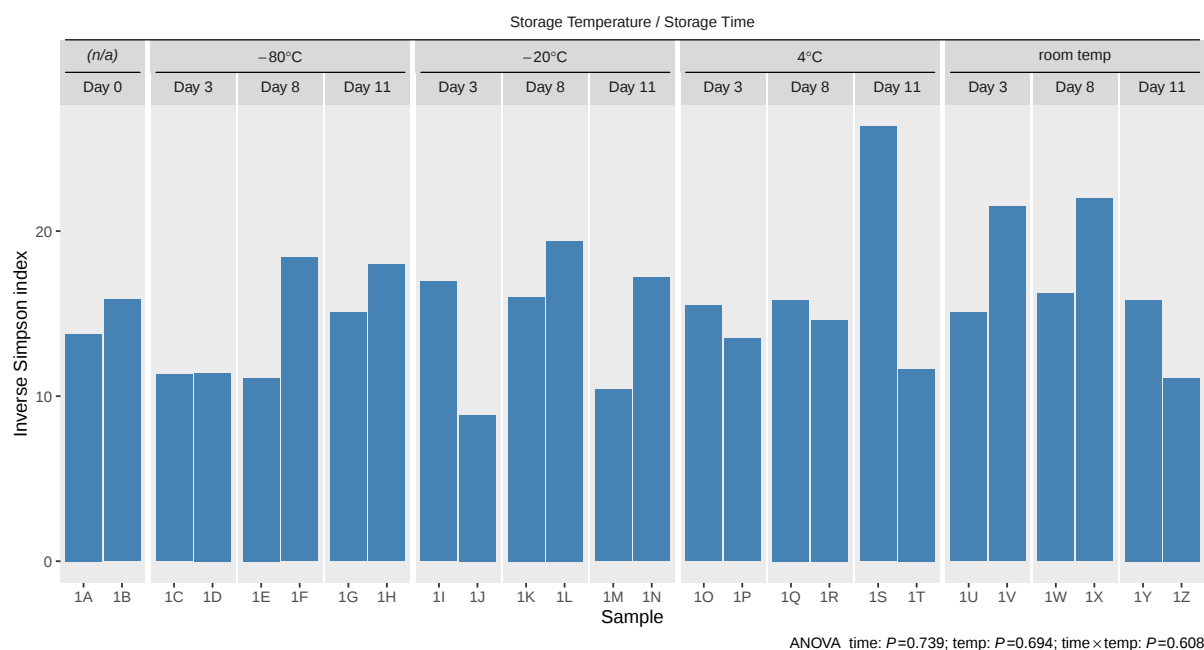
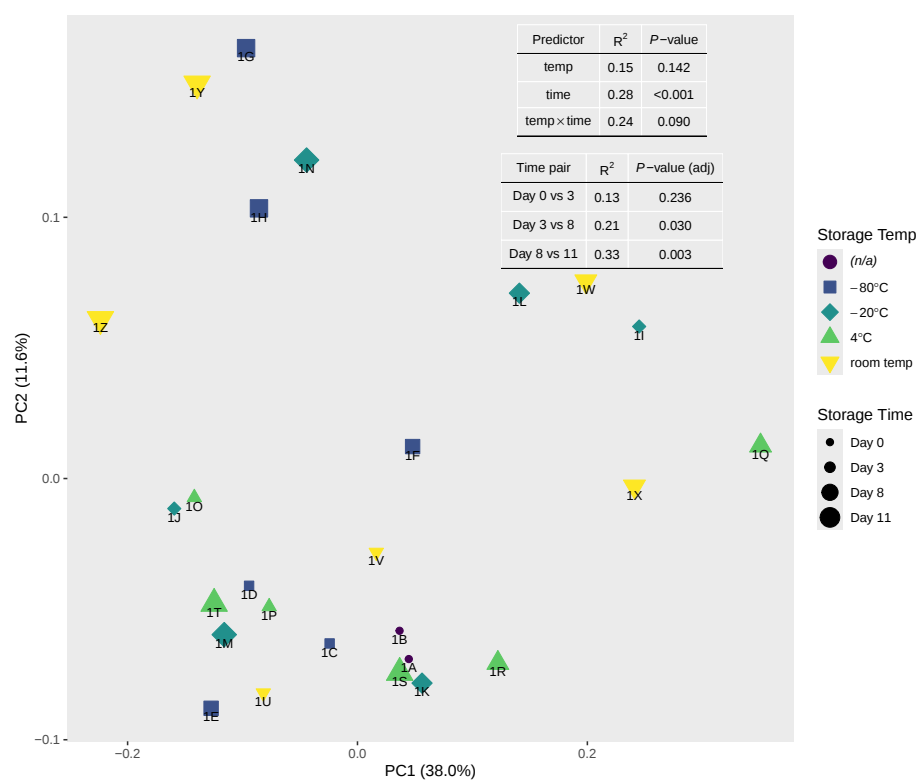


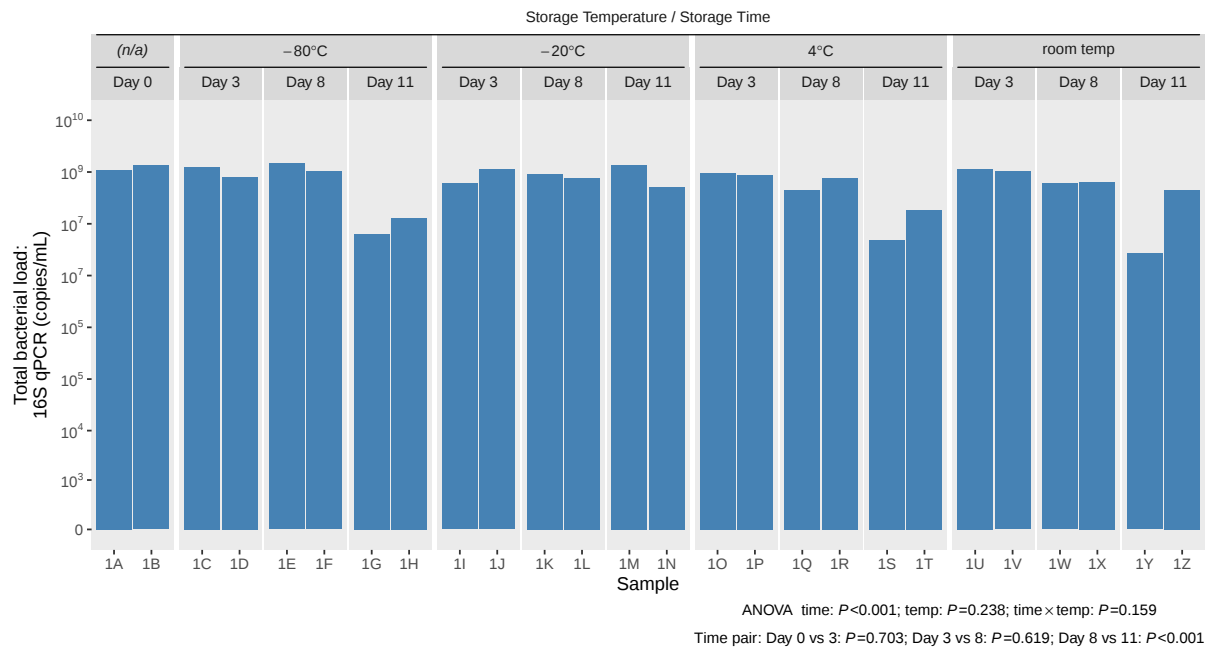
Supplementary Materials



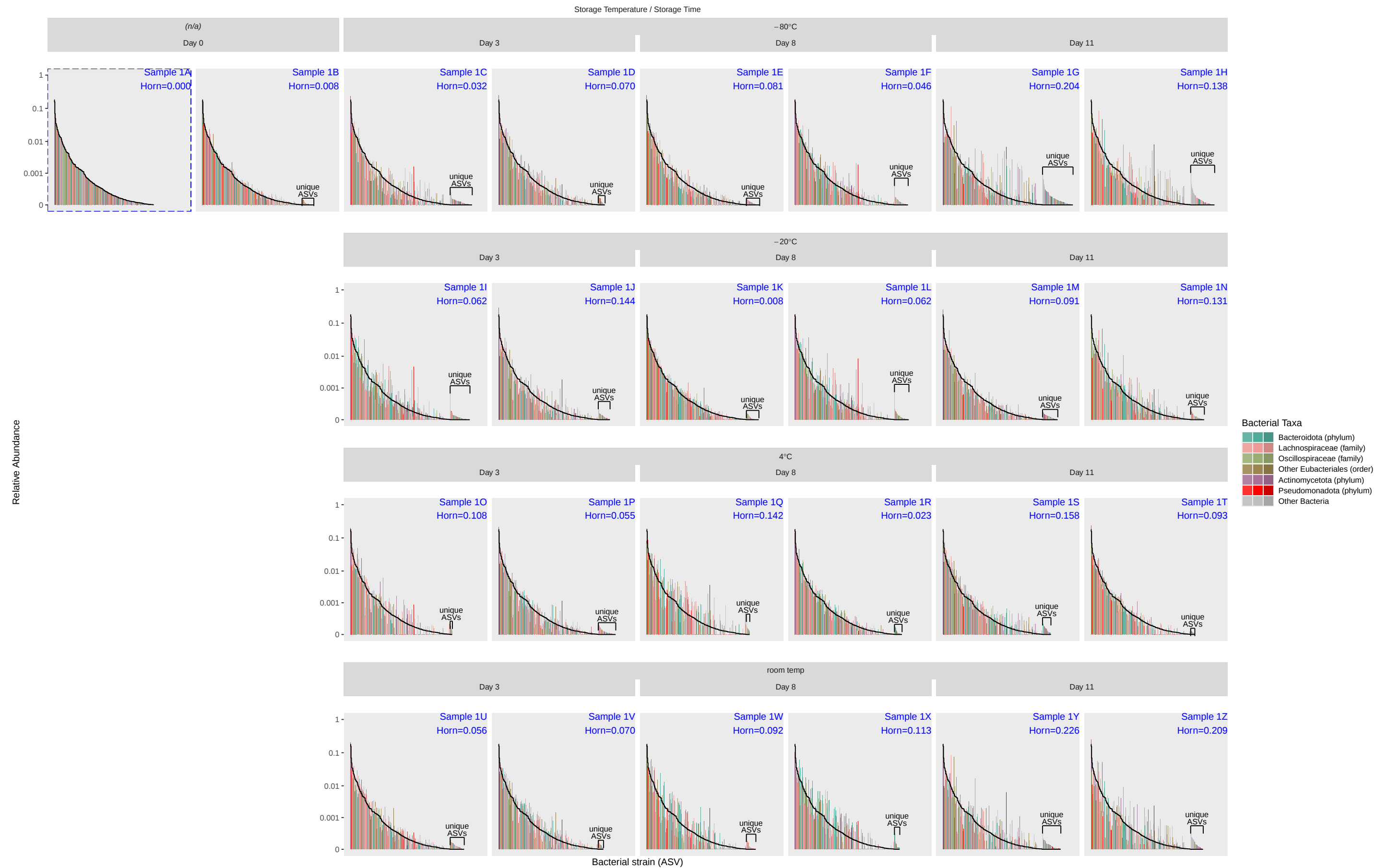
Supplementary Figure S1: Alpha diversity across storage conditions in the first experiment. Bar plots showing sample-level alpha diversity for the first experiment, as measured by the Inverse Simpson index. Samples are organized by storage temperature and storage duration, as indicated by the facet labels above each panel. ANOVA results for storage temperature, storage duration, and their interaction are shown below the plot.



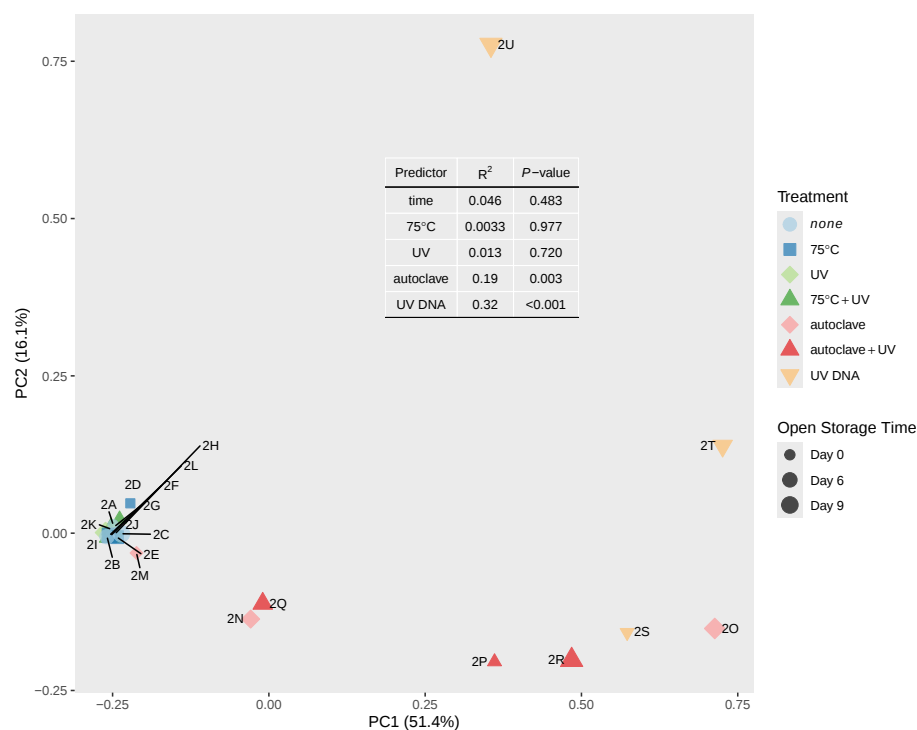
Supplementary Figure S2: Principal coordinate analysis of Bray–Curtis distances across storage conditions in the first experiment. Principal coordinate analysis (PCoA) plot based on Bray–Curtis distances between samples in the first experiment. Colors indicate storage duration, and shapes indicate storage temperature. Inset tables summarize PERMANOVA results for storage temperature, storage duration, and their interaction, along with pairwise comparisons between storage durations. Percent variation explained for each axis is indicated in parentheses.



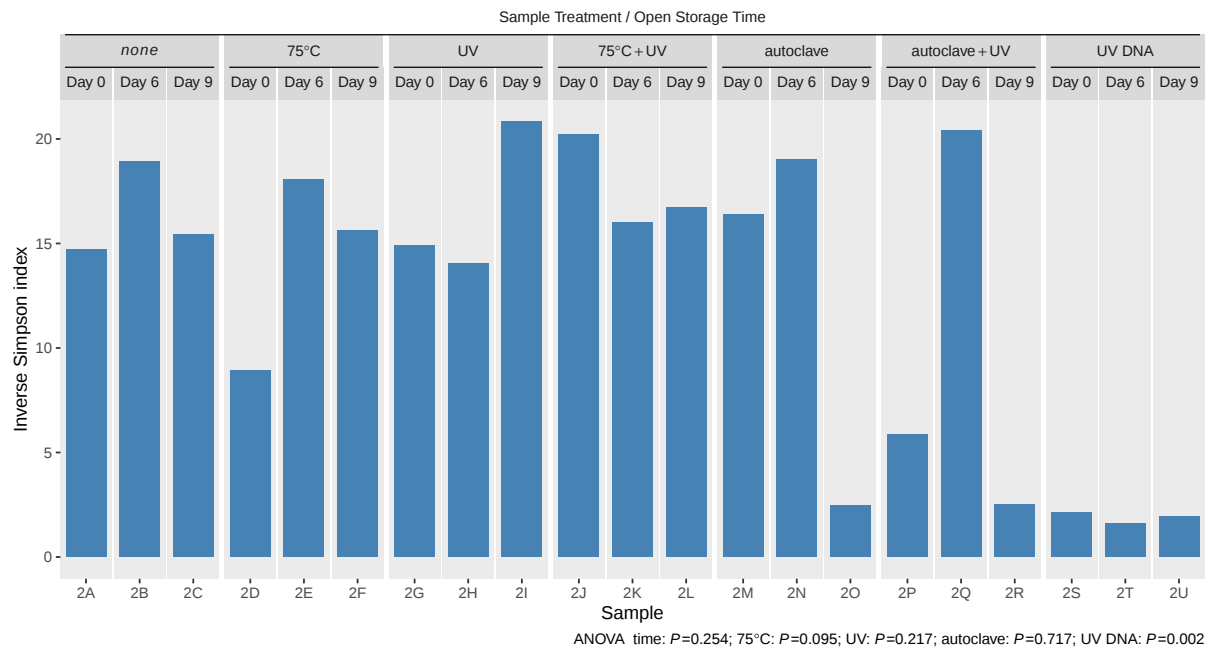
Supplementary Figure S3: Absolute bacterial abundance measured by 16S qPCR across storage conditions in the first experiment. Bar plot showing absolute bacterial abundance measured by 16S qPCR across all first-experiment samples. Samples are grouped by storage temperature and duration, as indicated by the facet labels above each panel. The y-axis is displayed on a logarithmic scale. Inset text summarizes ANOVA results for storage temperature, storage duration, and their interaction, along with pairwise comparisons between storage durations.



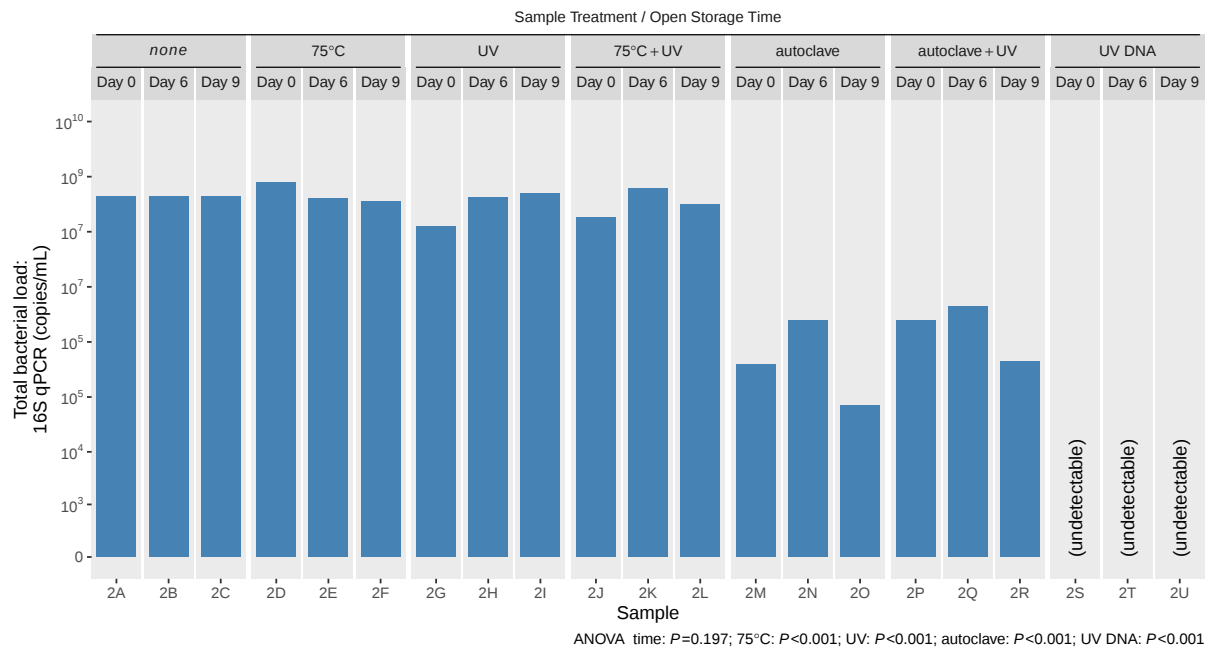
Supplementary Figure S4: Taxon-level relative abundance shifts relative to the baseline sample in the first experiment. Rank relative abundance plots showing taxon-level composition of all first experiment samples compared with the baseline sample, 1A (blue dashed box). Taxa are ordered by relative abundance in the baseline sample. Colored bars represent taxon abundances in each comparison sample, with colors indicating taxonomic classification. The black overlay line shows the baseline abundance profile for the same ordered taxa. Blue labels indicate the Morisita–Horn distance between each comparison sample and baseline.



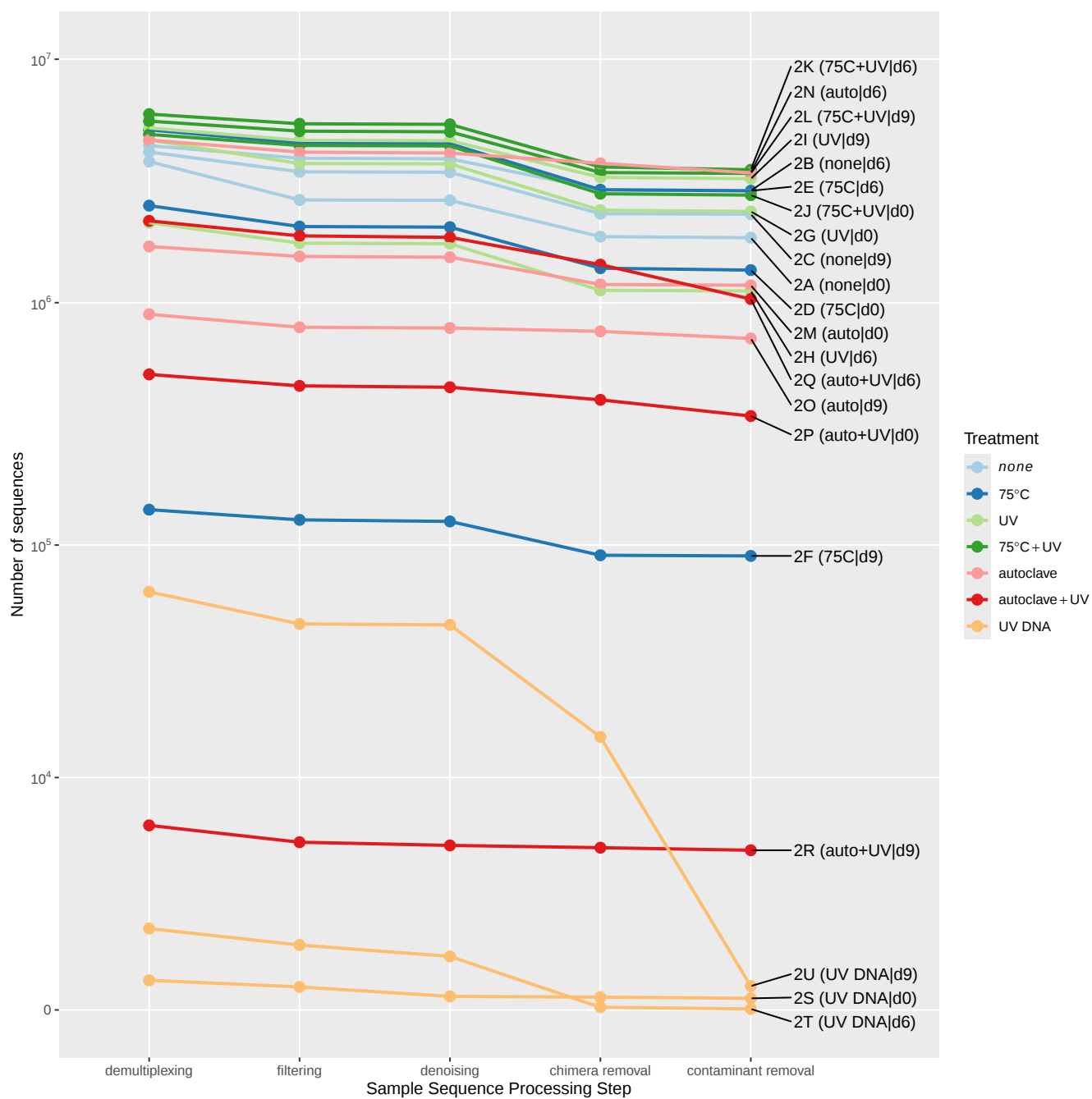
Supplementary Figure S5: Principal coordinate analysis of Bray–Curtis distances across storage durations and treatments in the second experiment. Principal coordinate analysis (PCoA) plot based on Bray–Curtis distances between samples in the second experiment. Colors indicate storage duration, and shapes indicate storage temperature. Inset tables summarize PERMANOVA results for 75 °C heat treatment, UV exposure before DNA extraction, UV exposure after DNA extraction, and pre-extraction autoclaving. Percent variation explained for each axis is indicated in parentheses.



Supplementary Figure S6: Alpha diversity across storage durations and treatments in the second experiment. Bar plots showing sample-level alpha diversity for the second experiment, as measured by the Inverse Simpson index. Samples are organized by treatment and storage duration, as indicated by the facet labels above each panel. ANOVA results evaluating the effects of storage duration, 75 °C heat treatment, UV exposure before DNA extraction, UV exposure after DNA extraction, and pre-extraction autoclaving are shown below the plot.



Supplementary Figure S7: Absolute bacterial abundance measured by 16S qPCR across storage durations and treatments in the second experiment. Bar plot showing absolute bacterial abundance measured by 16S qPCR across all second-experiment samples. Samples are grouped by treatment and storage duration, as indicated by the facet labels above each panel. ANOVA results evaluating the effects of storage duration, 75 °C heat treatment, UV exposure before DNA extraction, UV exposure after DNA extraction, and pre-extraction autoclaving are shown below the plot.



Supplementary Figure S8: Read retention across sequence-processing steps in the second experiment. Line plot showing the number of sequences retained for each second-experiment sample across sequential DADA2 processing steps, including demultiplexing, filtering, denoising, chimera removal, and contaminant removal. Lines represent individual samples and are colored by treatment condition. Sample labels are shown at the final processing step.

Supplementary Table S1: Linear discriminant analysis effect size (LEfSe) results comparing samples stored for 0–8 days with samples stored for 11 days. The Direction column indicates the group in which each taxon was enriched. Taxonomic assignments are shown with the corresponding rank, LDA score, and Kruskal–Wallis p-value. LDA, linear discriminant analysis; KW, Kruskal–Wallis

Predictors of Storage Time							LDA	KW <i>P</i> -value	Log-Max
Direction	Rank	Taxonomy							
Day 0-8	(4) Order	Bacteria	Bacillota	Clostridia	Eubacteriales		4.53	0.020	5.45
	(5) Family	Bacteria	Bacillota	Clostridia	Eubacteriales	Oscillospiraceae	4.68	0.005	5.41
	(6) Genus	Bacteria	Bacillota	Clostridia	Eubacteriales	Oscillospiraceae	4.58	0.009	5.29
	(7) Species	Bacteria	Bacillota	Clostridia	Eubacteriales	Oscillospiraceae	4.58	0.009	5.29
	(6) Genus	Bacteria	Bacillota	Clostridia	Eubacteriales	Oscillospiraceae	3.71	<0.001	4.42
	(7) Species	Bacteria	Bacillota	Clostridia	Eubacteriales	Oscillospiraceae	3.71	<0.001	4.42
	(6) Genus	Bacteria	Bacillota	Clostridia	Eubacteriales	Oscillospiraceae	3.45	<0.001	4.06
	(7) Species	Bacteria	Bacillota	Clostridia	Eubacteriales	Oscillospiraceae	3.45	<0.001	4.06
	(7) Species	Bacteria	Bacillota	Clostridia	Eubacteriales	Oscillospiraceae	3.06	0.030	3.81
	(6) Genus	Bacteria	Bacillota	Clostridia	Lachnospirales	Lachnospiraceae	3.79	0.009	4.47
	(7) Species	Bacteria	Bacillota	Clostridia	Lachnospirales	Lachnospiraceae	3.79	0.009	4.47
	(2) Phylum	Bacteria	Pseudomonadota				4.04	0.035	4.63
	(3) Class	Bacteria	Pseudomonadota	Betaproteobacteria			4.07	0.011	4.61
	(4) Order	Bacteria	Pseudomonadota	Betaproteobacteria	Burkholderiales		4.07	0.011	4.61
	(5) Family	Bacteria	Pseudomonadota	Betaproteobacteria	Burkholderiales	Sutterellaceae	4.07	0.011	4.61
	(6) Genus	Bacteria	Pseudomonadota	Betaproteobacteria	Burkholderiales	Sutterellaceae	4.07	0.011	4.61
	(7) Species	Bacteria	Pseudomonadota	Betaproteobacteria	Burkholderiales	Sutterellaceae	4.07	0.011	4.61
Day 11	(7) Species	Bacteria	Actinomycetota	Actinomycetes	Bifidobacteriales	Bifidobacteriaceae	4.12	0.023	4.96
	(5) Family	Bacteria	Bacillota	Clostridia	Eubacteriales	Clostridiaceae	4.15	0.005	4.60
	(6) Genus	Bacteria	Bacillota	Clostridia	Eubacteriales	Clostridiaceae	4.15	0.006	4.60
	(7) Species	Bacteria	Bacillota	Clostridia	Eubacteriales	Clostridiaceae	4.15	0.005	4.59
	(6) Genus	Bacteria	Bacillota	Clostridia	Lachnospirales	Lachnospiraceae	4.17	0.030	4.74
	(7) Species	Bacteria	Bacillota	Clostridia	Lachnospirales	Lachnospiraceae	4.17	0.035	4.73
	(3) Class	Bacteria	Bacillota	Erysipelotrichia			3.90	0.046	4.64
	(4) Order	Bacteria	Bacillota	Erysipelotrichia	Erysipelotrichales		3.90	0.046	4.64
	(5) Family	Bacteria	Bacillota	Erysipelotrichia	Erysipelotrichales	Coprobacillaceae	3.89	0.035	4.58
	(6) Genus	Bacteria	Bacillota	Erysipelotrichia	Erysipelotrichales	Coprobacillaceae	3.33	0.023	3.85
	(7) Species	Bacteria	Bacillota	Erysipelotrichia	Erysipelotrichales	Coprobacillaceae	3.33	0.023	3.85
	(3) Class	Bacteria	Bacillota	Tissierellia			3.32	0.035	3.73
	(4) Order	Bacteria	Bacillota	Tissierellia	Tissierellales		3.32	0.035	3.73
	(5) Family	Bacteria	Bacillota	Tissierellia	Tissierellales	Peptoniphilaceae	3.32	0.035	3.73

Supplementary Table S2: Linear discriminant analysis effect size (LEfSe) results are shown for two comparisons: autoclaved samples versus untreated samples, and UV-DNA irradiated samples versus untreated samples. The Direction column indicates the group in which each taxon was enriched. Taxonomic assignments are shown with the corresponding rank, LDA score, and Kruskal–Wallis p-value. LDA, linear discriminant analysis; KW, Kruskal–Wallis.

Predictors of autoclave vs. no treatment							
Direction	Rank	Taxonomy			LDA	KW <i>P</i> -value	Log-Max
autoclave	(3) Class	Bacteria Bacteroidota Flavobacteriia			3.21	0.037	3.52
	(4) Order	Bacteria Bacteroidota Flavobacteriia Flavobacteriales			3.21	0.037	3.52
	(5) Family	Bacteria Bacteroidota Flavobacteriia Flavobacteriales Weeksellaceae			3.21	0.037	3.52
	(6) Genus	Bacteria Bacteroidota Flavobacteriia Flavobacteriales Weeksellaceae Chryseobacterium			3.12	0.037	3.42
	(7) Species	Bacteria Bacteroidota Flavobacteriia Flavobacteriales Weeksellaceae Chryseobacterium Chryseobacterium rhizosphaerae			3.12	0.037	3.42
	(2) Phylum	Bacteria Pseudomonadota			5.28	0.050	5.63
	(5) Family	Bacteria Pseudomonadota Betaproteobacteria Burkholderiales Alcaligenaceae			5.14	0.050	5.45
	(6) Genus	Bacteria Pseudomonadota Betaproteobacteria Burkholderiales Alcaligenaceae Achromobacter			5.14	0.050	5.45
	(7) Species	Bacteria Pseudomonadota Betaproteobacteria Burkholderiales Alcaligenaceae Achromobacter Achromobacter denitrificans			5.14	0.050	5.45
	(3) Class	Bacteria Pseudomonadota Gammaproteobacteria			4.80	0.050	5.10
	(4) Order	Bacteria Pseudomonadota Gammaproteobacteria Enterobacterales			4.46	0.050	4.77
	(5) Family	Bacteria Pseudomonadota Gammaproteobacteria Enterobacterales Yersiniaceae			4.46	0.037	4.76
	(6) Genus	Bacteria Pseudomonadota Gammaproteobacteria Enterobacterales Yersiniaceae Ewingella			4.36	0.037	4.66
	(7) Species	Bacteria Pseudomonadota Gammaproteobacteria Enterobacterales Yersiniaceae Ewingella Ewingella americana			4.36	0.037	4.66
	(6) Genus	Bacteria Pseudomonadota Gammaproteobacteria Enterobacterales Yersiniaceae Serratia			3.79	0.037	4.09
	(7) Species	Bacteria Pseudomonadota Gammaproteobacteria Enterobacterales Yersiniaceae Serratia Serratia liquefaciens			3.64	0.037	3.94
	(7) Species	Bacteria Pseudomonadota Gammaproteobacteria Enterobacterales Yersiniaceae Serratia Serratia marcescens			3.27	0.037	3.57
	(4) Order	Bacteria Pseudomonadota Gammaproteobacteria Pseudomonadales			4.52	0.037	4.83
	(5) Family	Bacteria Pseudomonadota Gammaproteobacteria Pseudomonadales Pseudomonadaceae			4.52	0.037	4.83
	(6) Genus	Bacteria Pseudomonadota Gammaproteobacteria Pseudomonadales Pseudomonadaceae Pseudomonas			4.52	0.037	4.83
	(7) Species	Bacteria Pseudomonadota Gammaproteobacteria Pseudomonadales Pseudomonadaceae Pseudomonas Pseudomonas fluorescens			4.19	0.037	4.49
	(7) Species	Bacteria Pseudomonadota Gammaproteobacteria Pseudomonadales Pseudomonadaceae Pseudomonas Pseudomonas lini			3.04	0.037	3.34
	(7) Species	Bacteria Pseudomonadota Gammaproteobacteria Pseudomonadales Pseudomonadaceae Pseudomonas Pseudomonas palleroniana			3.56	0.037	3.86
	(7) Species	Bacteria Pseudomonadota Gammaproteobacteria Pseudomonadales Pseudomonadaceae Pseudomonas Pseudomonas protegens			4.06	0.037	4.36
	(7) Species	Bacteria Pseudomonadota Gammaproteobacteria Pseudomonadales Pseudomonadaceae Pseudomonas Pseudomonas veronii			3.27	0.037	3.57
none	(2) Phylum	Bacteria Actinomycetota			4.63	0.050	5.07
	(3) Class	Bacteria Actinomycetota Actinomycetes			4.60	0.050	5.03
	(7) Species	Bacteria Actinomycetota Actinomycetes Actinomycetales Actinomycetaceae Actinomyces Actinomyces massiliensis			3.10	0.037	0.92
	(4) Order	Bacteria Actinomycetota Actinomycetes Bifidobacteriales			4.60	0.050	5.03
	(5) Family	Bacteria Actinomycetota Actinomycetes Bifidobacteriales Bifidobacteriaceae			4.60	0.050	5.03
	(6) Genus	Bacteria Actinomycetota Actinomycetes Bifidobacteriales Bifidobacteriaceae Bifidobacterium			4.60	0.050	5.03
	(7) Species	Bacteria Actinomycetota Actinomycetes Bifidobacteriales Bifidobacteriaceae Bifidobacterium Bifidobacterium longum			4.60	0.050	5.03
	(7) Species	Bacteria Bacillota Clostridia Peptostreptococcales Anaerovoracaceae — [Eubacterium] sulci			3.14	0.046	0.75
	(7) Species	Bacteria Bacillota Tissierellia Tissierellales Peptoniphilaceae Anaerococcus Anaerococcus nagyaе			3.25	0.037	0.57
Predictors of UV DNA vs. no treatment							
Direction	Rank	Taxonomy			LDA	KW <i>P</i> -value	Log-Max
UV DNA	(1) Domain	Bacteria			4.58	0.037	6.00
	(2) Phylum	Bacteria Pseudomonadota			5.65	0.046	5.97
none	(2) Phylum	Bacteria Actinomycetota			4.77	0.037	5.07
	(3) Class	Bacteria Actinomycetota Actinomycetes			4.73	0.037	5.03
	(4) Order	Bacteria Actinomycetota Actinomycetes Bifidobacteriales			4.73	0.037	5.03
	(5) Family	Bacteria Actinomycetota Actinomycetes Bifidobacteriales Bifidobacteriaceae			4.73	0.037	5.03
	(6) Genus	Bacteria Actinomycetota Actinomycetes Bifidobacteriales Bifidobacteriaceae Bifidobacterium			4.73	0.037	5.03
	(7) Species	Bacteria Actinomycetota Actinomycetes Bifidobacteriales Bifidobacteriaceae Bifidobacterium Bifidobacterium longum			4.73	0.037	5.03
	(7) Species	Bacteria Actinomycetota Actinomycetes Mycobacteriales Corynebacteriaceae Corynebacterium Corynebacterium tuberculostearicum			3.54	0.037	0.97
	(3) Class	Bacteria Actinomycetota Coriobacteriia			3.71	0.037	4.01
	(4) Order	Bacteria Actinomycetota Coriobacteriia Coriobacteriales			3.67	0.037	3.98
	(5) Family	Bacteria Actinomycetota Coriobacteriia Coriobacteriales Coriobacteriaceae			3.67	0.037	3.98
	(6) Genus	Bacteria Actinomycetota Coriobacteriia Coriobacteriales Coriobacteriaceae Collinsella			3.67	0.037	3.98
	(7) Species	Bacteria Actinomycetota Coriobacteriia Coriobacteriales Coriobacteriaceae Collinsella Collinsella aerofaciens			3.67	0.037	3.98
	(2) Phylum	Bacteria Bacillota			5.54	0.046	5.87
	(3) Class	Bacteria Bacillota Clostridia			5.53	0.046	5.86
	(4) Order	Bacteria Bacillota Clostridia Eubacteriales			5.16	0.046	5.52
	(5) Family	Bacteria Bacillota Clostridia Eubacteriales Butyricicoccaceae			3.79	0.037	4.09
	(6) Genus	Bacteria Bacillota Clostridia Eubacteriales Butyricicoccaceae Agathobaculum			3.79	0.037	4.09
	(7) Species	Bacteria Bacillota Clostridia Eubacteriales Butyricicoccaceae Agathobaculum Agathobaculum butyriciproducens			3.79	0.037	4.09
	(5) Family	Bacteria Bacillota Clostridia Eubacteriales Oscillospiraceae			5.13	0.046	5.50
	(6) Genus	Bacteria Bacillota Clostridia Eubacteriales Oscillospiraceae Drancourtella			3.05	0.037	3.35
	(7) Species	Bacteria Bacillota Clostridia Eubacteriales Oscillospiraceae Drancourtella Drancourtella massiliensis			3.05	0.037	3.35
	(6) Genus	Bacteria Bacillota Clostridia Eubacteriales Oscillospiraceae Faecalibacterium			5.08	0.046	5.46
	(7) Species	Bacteria Bacillota Clostridia Eubacteriales Oscillospiraceae Faecalibacterium Faecalibacterium prausnitzii			5.08	0.046	5.46
	(6) Genus	Bacteria Bacillota Clostridia Eubacteriales Oscillospiraceae Flavonifractor			3.22	0.037	3.52
	(7) Species	Bacteria Bacillota Clostridia Eubacteriales Oscillospiraceae Flavonifractor Flavonifractor plautii			3.22	0.037	3.52
	(6) Genus	Bacteria Bacillota Clostridia Eubacteriales Oscillospiraceae Gemmiger			4.02	0.037	4.32
	(7) Species	Bacteria Bacillota Clostridia Eubacteriales Oscillospiraceae Gemmiger Gemmiger formicilis			4.02	0.037	4.32
	(6) Genus	Bacteria Bacillota Clostridia Eubacteriales Oscillospiraceae Oscillibacter			3.07	0.037	3.38
	(7) Species	Bacteria Bacillota Clostridia Eubacteriales Oscillospiraceae Oscillibacter Oscillibacter ruminantium			3.07	0.037	3.38
	(4) Order	Bacteria Bacillota Clostridia Lachnospirales			5.29	0.046	5.60
	(5) Family	Bacteria Bacillota Clostridia Lachnospirales Lachnospiraceae			5.29	0.046	5.60
	(6) Genus	Bacteria Bacillota Clostridia Lachnospirales Lachnospiraceae Agathobacter			4.65	0.037	4.95
	(7) Species	Bacteria Bacillota Clostridia Lachnospirales Lachnospiraceae Agathobacter Agathobacter rectalis			4.65	0.037	4.95
	(6) Genus	Bacteria Bacillota Clostridia Lachnospirales Lachnospiraceae Anaerobutyricum			3.85	0.037	4.15
	(7) Species	Bacteria Bacillota Clostridia Lachnospirales Lachnospiraceae Anaerobutyricum Anaerobutyricum hallii			3.85	0.037	4.15
	(6) Genus	Bacteria Bacillota Clostridia Lachnospirales Lachnospiraceae Anaerostipes			4.52	0.046	4.88
	(7) Species	Bacteria Bacillota Clostridia Lachnospirales Lachnospiraceae Anaerostipes Anaerostipes hadrus			4.52	0.046	4.88
	(6) Genus	Bacteria Bacillota Clostridia Lachnospirales Lachnospiraceae Blautia			4.88	0.037	5.18
	(7) Species	Bacteria Bacillota Clostridia Lachnospirales Lachnospiraceae Blautia Blautia faecis			3.57	0.037	3.87
	(7) Species	Bacteria Bacillota Clostridia Lachnospirales Lachnospiraceae Blautia Blautia luti			4.68	0.037	4.99
	(7) Species	Bacteria Bacillota Clostridia Lachnospirales Lachnospiraceae Blautia Blautia obeum			3.86	0.037	4.16
	(7) Species	Bacteria Bacillota Clostridia Lachnospirales Lachnospiraceae Blautia Blautia stercoris			3.63	0.037	3.93
	(7) Species	Bacteria Bacillota Clostridia Lachnospirales Lachnospiraceae Blautia Blautia wexlerae			4.02	0.037	4.32
	(6) Genus	Bacteria Bacillota Clostridia Lachnospirales Lachnospiraceae Dorea			3.92	0.037	4.22
	(7) Species	Bacteria Bacillota Clostridia Lachnospirales Lachnospiraceae Dorea Dorea longicatena			3.92	0.037	4.22
	(6) Genus	Bacteria Bacillota Clostridia Lachnospirales Lachnospiraceae Fusicatenibacter			4.11	0.037	4.41
	(7) Species	Bacteria Bacillota Clostridia Lachnospirales Lachnospiraceae Fusicatenibacter Fusicatenibacter saccharivorans			4.11	0.037	4.41
	(6) Genus	Bacteria Bacillota Clostridia Lachnospirales Lachnospiraceae Herbinix			3.25	0.037	3.55
	(7) Species	Bacteria Bacillota Clostridia Lachnospirales Lachnospiraceae Herbinix Herbinix luporum			3.25	0.037	3.55
	(6) Genus	Bacteria Bacillota Clostridia Lachnospirales Lachnospiraceae Kineothrix			3.10	0.037	3.40
	(7) Species	Bacteria Bacillota Clostridia Lachnospirales Lachnospiraceae Kineothrix Kineothrix alysoides			3.10	0.037	3.40
	(6) Genus	Bacteria Bacillota Clostridia Lachnospirales Lachnospiraceae Lachnospira			3.05	0.037	3.35
	(6) Genus	Bacteria Bacillota Clostridia Lachnospirales Lachnospiraceae Lacrimispora			3.08	0.037	3.38
	(6) Genus	Bacteria Bacillota Clostridia Lachnospirales Lachnospiraceae Mediterraneibacter			3.69	0.037	3.99
	(7) Species	Bacteria Bacillota Clostridia Lachnospirales Lachnospiraceae Mediterraneibacter Mediterraneibacter faecis			3.27	0.037	3.57
	(7) Species	Bacteria Bacillota Clostridia Lachnospirales Lachnospiraceae Mediterraneibacter Mediterraneibacter gnavus			3.41	0.037	3.71
	(6) Genus	Bacteria Bacillota Clostridia Lachnospirales Lachnospiraceae Roseburia			3.48	0.037	3.78
	(7) Species	Bacteria Bacillota Clostridia Lachnospirales Lachnospiraceae Roseburia Roseburia hominis			3.41	0.037	3.71
	(3) Class	Bacteria Bacillota Erysipelotrichia			3.33	0.037	3.63
	(4) Order	Bacteria Bacillota Erysipelotrichia Erysipelotrichales			3.33	0.037	3.63
	(5) Family	Bacteria Bacillota Erysipelotrichia Erysipelotrichales Erysipelotrichaceae			3.32	0.037	3.62
	(6) Genus	Bacteria Bacillota Erysipelotrichia Erysipelotrichales Erysipelotrichaceae Holdemania			3.28	0.037	3.58
	(7) Species	Bacteria Bacillota Erysipelotrichia Erysipelotrichales Erysipelotrichaceae Holdemania Holdemania filiformis			3.28	0.037	3.58
	(3) Class	Bacteria Bacillota Negativicutes			3.73	0.037	4.03
	(4) Order	Bacteria Bacillota Negativicutes Acidaminococcales			3.71	0.037	4.01
	(5) Family	Bacteria Bacillota Negativicutes Acidaminococcales Acidaminococcaceae			3.71	0.037	4.01
	(6) Genus	Bacteria Bacillota Negativicutes Acidaminococcales Acidaminococcaceae Phascolarctobacterium			3.71	0.037	4.01
	(7) Species	Bacteria Bacillota Negativicutes Acidaminococcales Acidaminococcaceae Phascolarctobacterium Phascolarctobacterium faecium			3.71	0.037	4.01
	(2) Phylum	Bacteria Bacteroidota			4.60	0.046	4.94
	(3) Class	Bacteria Bacteroidota Bacteroidia			4.64	0.037	4.94
	(4) Order	Bacteria Bacteroidota Bacteroidia Bacteroidales			4.64	0.037	4.94
	(5) Family	Bacteria Bacteroidota Bacteroidia Bacteroidales Bacteroidaceae			4.63	0.037	4.93
	(6) Genus	Bacteria Bacteroidota Bacteroidia Bacteroidales Bacteroidaceae Bacteroides			4.31	0.037	4.61
	(7) Species	Bacteria Bacteroidota Bacteroidia Bacteroidales Bacteroidaceae Bacteroides Bacteroides fragilis			3.38	0.037	3.68
	(7) Species	Bacteria Bacteroidota Bacteroidia Bacteroidales Bacteroidaceae Bacteroides Bacteroides stercoris			3.99	0.037	4.29
	(7) Species	Bacteria Bacteroidota Bacteroidia Bacteroidales Bacteroidaceae Bacteroides Bacteroides thetaiotaomicron			3.05	0.037	3.35
	(7) Species	Bacteria Bacteroidota Bacteroidia Bacteroidales Bacteroidaceae Bacteroides Bacteroides uniformis			3.43	0.037	3.73
	(7) Species	Bacteria Bacteroidota Bacteroidia Bacteroidales Bacteroidaceae Bacteroides Bacteroides xylanisolvens			3.51	0.037	3.81
	(6) Genus	Bacteria Bacteroidota Bacteroidia Bacteroidales Bacteroidaceae Phocaeicola			4.35	0.037	4.65
	(7) Species	Bacteria Bacteroidota Bacteroidia Bacteroidales Bacteroidaceae Phocaeicola Phocaeicola dorei			3.16	0.037	3.46
	(7) Species	Bacteria Bacteroidota Bacteroidia Bacteroidales Bacteroidaceae Phocaeicola Phocaeicola vulgatus			4.32	0.037	4.62
	(5) Family	Bacteria Pseudomonadota Betaproteobacteria Burkholderiales Sutterellaceae			4.35	0.037	4.65
	(6) Genus	Bacteria Pseudomonadota Betaproteobacteria Burkholderiales Sutterellaceae Parasutterella			4.35	0.037	4.65
	(7) Species	Bacteria Pseudomonadota Betaproteobacteria Burkholderiales Sutterellaceae Parasutterella Parasutterella excrementihominis			4.35	0.037	4.65