

Supplementary Materials

Disclosing the effects of pea-derived proteins on the human gut microbiota

Leonardo Mancabelli^{1,2}, Christian Milani^{2,3}, Giulia Longhi³, Gabriele Andrea Lugli^{2,3}, Chiara Tarracchini³, Francesca Turroni^{2,3}, Marco Ventura^{2,3}

¹Department of Medicine and Surgery, University of Parma, Parma 43125, Italy.

²Interdepartmental Research Centre “Microbiome Research Hub”, University of Parma, Parma 43124, Italy.

³Laboratory of Probiogenomics, Department of Chemistry, Life Sciences and Environmental Sustainability, University of Parma, Parma 43124, Italy.

Correspondence to: Prof. Leonardo Mancabelli, Department of Medicine and Surgery, University of Parma, Parma 43125, Italy. E-mail: leonardo.mancabelli@unipr.it

ORCID: Leonardo Mancabelli (0000-0002-1744-2214)

Supplementary Table 1. Bacterial growth (cell count) of each strain under different conditions as assessed by flow cytometry

Species	Sample			Counts
<i>Bifidobacterium breve</i> LMG13208	Control	-	A	1.20E+09
	Control	-	B	9.74E+08
	Control	-	C	1.02E+09
	PPI	0.50%	A	1.25E+09
	PPI	0.50%	B	1.04E+09
	PPI	0.50%	C	8.72E+08
	PPI	1%	A	2.35E+09
	PPI	1%	B	2.01E+09
	PPI	1%	C	1.74E+09
	PPI	2%	A	2.85E+09
	PPI	2%	B	1.97E+09
	PPI	2%	C	2.67E+09
	PPC	0.50%	A	1.31E+09
	PPC	0.50%	B	1.66E+09
	PPC	0.50%	C	1.38E+09
	PPC	1%	A	1.54E+09
	PPC	1%	B	1.43E+09
	PPC	1%	C	1.47E+09
	PPC	2%	A	1.64E+09
	PPC	2%	B	1.97E+09

<i>Bifidobacterium bifidum</i> LMG 11041	PPC	2%	C	1.53E+09
	Control	-	A	9.76E+07
	Control	-	B	1.04E+08
	Control	-	C	1.22E+08
	PPI	0.50%	A	1.68E+08
	PPI	0.50%	B	1.90E+08
	PPI	0.50%	C	1.82E+08
	PPI	1%	A	2.08E+08
	PPI	1%	B	2.17E+08
	PPI	1%	C	1.64E+08
	PPI	2%	A	2.28E+08
	PPI	2%	B	2.35E+08
	PPI	2%	C	1.94E+08
	PPC	0.50%	A	2.19E+08
	PPC	0.50%	B	2.33E+08
	PPC	0.50%	C	2.34E+08
	PPC	1%	A	2.02E+08
	PPC	1%	B	2.06E+08
	PPC	1%	C	1.84E+08
	PPC	2%	A	1.71E+08
	PPC	2%	B	2.47E+08
	PPC	2%	C	2.19E+08
<i>Bifidobacterium adolescentis</i> ATCC 15703	Control	-	A	2.98E+08
	Control	-	B	1.17E+08
	Control	-	C	2.21E+08
	PPI	0.50%	A	7.90E+08
	PPI	0.50%	B	7.93E+08
	PPI	0.50%	C	8.53E+07
	PPI	1%	A	8.86E+08
	PPI	1%	B	8.59E+08
	PPI	1%	C	9.35E+08
	PPI	2%	A	1.44E+09
	PPI	2%	B	1.37E+09
	PPI	2%	C	1.35E+09
	PPC	0.50%	A	6.13E+08
	PPC	0.50%	B	6.27E+08
	PPC	0.50%	C	7.62E+08
	PPC	1%	A	8.90E+08
	PPC	1%	B	9.71E+08
	PPC	1%	C	1.00E+09
	PPC	2%	A	1.46E+09
	PPC	2%	B	1.59E+09
	PPC	2%	C	1.66E+09
<i>Bifidobacterium longum</i> subsp. <i>longum</i> LMG 13197	Control	-	A	8.12E+07
	Control	-	B	1.89E+08
	Control	-	C	1.79E+08
	PPI	0.50%	A	9.77E+07
	PPI	0.50%	B	2.54E+08
	PPI	0.50%	C	2.94E+08
	PPI	1%	A	8.26E+08
	PPI	1%	B	9.25E+08
	PPI	1%	C	9.16E+08
	PPI	2%	A	1.33E+09
	PPI	2%	B	1.36E+09
	PPI	2%	C	1.22E+09
	PPC	0.50%	A	8.53E+08
	PPC	0.50%	B	8.15E+08
	PPC	0.50%	C	7.53E+08
	PPC	1%	A	9.61E+08

	PPC	1%	B	1.17E+09
	PPC	1%	C	1.16E+09
	PPC	2%	A	1.57E+09
	PPC	2%	B	1.33E+09
<i>Bacteroides tethaiotaomicron</i> 41F	PPC	2%	C	1.42E+09
	Control	-	A	5.46E+08
	Control	-	B	5.55E+08
	Control	-	C	5.93E+08
	PPI	0.50%	A	5.78E+09
	PPI	0.50%	B	5.87E+09
	PPI	0.50%	C	5.49E+09
	PPI	1%	A	4.53E+09
	PPI	1%	B	4.74E+09
	PPI	1%	C	4.22E+09
	PPI	2%	A	4.90E+09
	PPI	2%	B	6.24E+09
	PPI	2%	C	5.60E+09
	PPC	0.50%	A	2.47E+09
	PPC	0.50%	B	2.55E+09
	PPC	0.50%	C	3.50E+09
<i>Segatella copri</i> DSM 18205	PPC	1%	A	4.17E+09
	PPC	1%	B	4.13E+09
	PPC	1%	C	3.59E+09
	PPC	2%	A	4.33E+09
	PPC	2%	B	4.61E+09
	PPC	2%	C	4.55E+09
	Control	-	A	2.63E+07
	Control	-	B	2.58E+07
	Control	-	C	2.30E+07
	PPI	0.50%	A	2.52E+07
	PPI	0.50%	B	2.48E+07
	PPI	0.50%	C	2.54E+07
	PPI	1%	A	2.82E+07
	PPI	1%	B	2.69E+07
	PPI	1%	C	3.11E+07
	PPI	2%	A	2.26E+07
<i>Faecalibacterium prausnitzii</i> DSM 176677	PPI	2%	B	2.58E+07
	PPI	2%	C	2.98E+07
	PPC	0.50%	A	2.93E+07
	PPC	0.50%	B	2.71E+07
	PPC	0.50%	C	2.66E+07
	PPC	1%	A	2.68E+07
	PPC	1%	B	2.20E+07
	PPC	1%	C	2.25E+07
	PPC	2%	A	2.62E+07
	PPC	2%	B	2.76E+07
	PPC	2%	C	2.15E+07
	Control	-	A	3.31E+07
	Control	-	B	2.61E+07
	Control	-	C	2.54E+07
	PPI	0.50%	A	2.92E+07
	PPI	0.50%	B	3.03E+07
	PPI	0.50%	C	3.20E+07
	PPI	1%	A	2.93E+07
	PPI	1%	B	2.77E+07
	PPI	1%	C	2.23E+07
	PPI	2%	A	2.68E+07
	PPI	2%	B	2.56E+07
	PPI	2%	C	3.46E+07
	PPI	2%	C	3.46E+07

	PPC	0.50%	A	3.44E+07
	PPC	0.50%	B	3.29E+07
	PPC	0.50%	C	2.91E+07
	PPC	1%	A	3.57E+07
	PPC	1%	B	2.92E+07
	PPC	1%	C	3.22E+07
	PPC	2%	A	2.80E+07
	PPC	2%	B	2.96E+07
	PPC	2%	C	2.31E+07

Supplementary Table 2. Predicted amino acid biosynthesis pathways per strain using GapMind. Confidence levels indicate pathway completeness: high, medium, or low

[illegible]

val	high confidence	high confidence	high confidence	high confidence	high confidence	high confidence	high confidence
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Supplementary Table 3. Predicted secretory peptidases identified via MEROPS BLASTp (E-value < 1e-30) and SignalP v6.0 classification

			Prediction	OTHER	SP(Sec/SPI)	LIPO(Sec/SPII)	TAT(Tat/SPI)	TATLIPO(Tat/SPII)	PILIN(Sec/SPIII)
<i>Bifidobacterium adolescentis</i> ATCC 15703		C26	MER0437468	OTHER	1	0	0	0	0
		C26	MER0045886	OTHER	1	0	0	0	0
		C26	MER0065588	OTHER	1	0	0	0	0
	Possible implication in pea protein degradation	S09B	MER0195666	OTHER	1	0	0	0	0
		S01C	MER0004673	OTHER	1	0	0	0	0
		C69	MER0002163	OTHER	1	0	0	0	0
		C60A	MER0038408	OTHER	0.99988	0.00011	0	0	0
		C69	MER0002163	OTHER	1	0	0	0	0
	Possible implication in pea protein degradation	C01B	MER0002481	OTHER	1	0	0	0	0
	Possible implication in pea protein degradation	S09X	MER0030934	OTHER	1	0	0	0	0
		S16	MER0014135	OTHER	1	0	0	0	0
		M41	MER0015199	OTHER	1	0	0	0	0
	Possible implication in pea protein degradation	S09X	MER0030934	OTHER	0.99999	0	0	0	0
	Possible implication in pea protein degradation	S09X	MER0031562	OTHER	1	0	0	0	0
	Possible implication in pea protein degradation	M13	MER0004775	OTHER	1	0	0	0	0
		M24A	MER0001243	OTHER	1	0	0	0	0
		C44	MER0003327	OTHER	1	0	0	0	0
		C44	MER0011806	OTHER	1	0	0	0	0
		C26	MER0060647	OTHER	1	0	0	0	0

	Possible implication in pea protein degradation	U72	MER0397777	OTHER	1	0	0	0	0	0
		U72	MER0397777	OTHER	1	0	0	0	0	0
		S14	MER0004857	OTHER	1	0	0	0	0	0
		S14	MER0004847	OTHER	1	0	0	0	0	0
		S33	MER0001367	OTHER	1	0	0	0	0	0
		C59	MER0019881	OTHER	1	0	0	0	0	0
		T05	MER0011830	OTHER	1	0	0	0	0	0
		M20F	MER0026494	OTHER	1	0	0	0	0	0
		C01B	MER0000728	OTHER	0.99999	0	0	0	0	0
		M20D	MER0002655	OTHER	1	0	0	0	0	0
		C44	MER0034539	OTHER	1	0	0	0	0	0
		M01	MER0001003	OTHER	1	0	0	0	0	0
		M38	MER0066192	OTHER	1	0	0	0	0	0
		S26A	MER0004537	OTHER	1	0	0	0	0	0
		T02	MER0003338	OTHER	1	0	0	0	0	0
		U32	MER0003855	OTHER	1	0	0	0	0	0
		C26	MER0045094	OTHER	1	0	0	0	0	0
		C15	MER0001424	OTHER	1	0	0	0	0	0
	Possible implication in pea protein degradation	C44	MER0198917	OTHER	1	0	0	0	0	0
		M24B	MER0028601	OTHER	1	0	0	0	0	0
		S09X	MER0031562	OTHER	1	0	0	0	0	0
		M48B	MER0006293	OTHER	1	0	0	0	0	0
		C26	MER0066916	OTHER	1	0	0	0	0	0
		S09A	MER0000410	OTHER	1	0	0	0	0	0
		C60A	MER0038408	OTHER	0.99996	0	0	0	0	0
		C60A	MER0038408	OTHER	0.98132	0.01865	7E-06	5E-06	6E-06	5E-06
	<i>Bifidobacterium bifidum</i> LMG 11041 Possible implication in pea protein degradation	C26	MER0045094	OTHER	0.99999	0	0	0	0	0
		S09B	MER0195666	OTHER	1	0	0	0	0	0
		C26	MER0065588	OTHER	1	0	0	0	0	0
		T05	MER0011830	OTHER	1	0	0	0	0	0

	C44	MER0011806	OTHER	1	0	0	0	0	0
	C15	MER0001424	OTHER	1	0	0	0	0	0
	M41	MER0015199	OTHER	1	0	0	0	0	0
	M24A	MER0001243	OTHER	1	0	0	0	0	0
	C26	MER0060647	OTHER	1	0	0	0	0	0
	C69	MER0002163	OTHER	1	0	0	0	0	0
	C59	MER0019881	OTHER	0.99999	0	0	0	0	0
	S14	MER0004847	OTHER	1	0	0	0	0	0
	S33	MER0001367	OTHER	1	0	0	0	0	0
	C60A	MER0038408	OTHER	0.99688	0.00311	2E-06	2E-06	1E-06	1E-06
	U32	MER0003855	OTHER	1	0	0	0	0	0
	C69	MER0002163	OTHER	1	0	0	0	0	0
Possible implication in pea protein degradation	C01B	MER0000728	OTHER	1	0	0	0	0	0
	M48B	MER0006293	OTHER	0.99999	0	0	0	0	0
	S16	MER0014135	OTHER	1	0	0	0	0	0
	M20D	MER0002655	OTHER	1	0	0	0	0	0
Possible implication in pea protein degradation	S09X	MER0031562	OTHER	1	0	0	0	0	0
	C15	MER0001424	OTHER	1	0	0	0	0	0
	C60A	MER0038408	OTHER	0.99997	0	0	0	0	0
	C26	MER0066916	OTHER	1	0	0	0	0	0
	S09A	MER0000410	OTHER	1	0	0	0	0	0
	M01	MER0001003	OTHER	1	0	0	0	0	0
Possible implication in pea protein degradation	M13	MER0004775	OTHER	0.99999	0	0	0	0	0
	M24B	MER0028601	OTHER	1	0	0	0	0	0
	U72	MER0397777	OTHER	1	0	0	0	0	0
Possible implication in pea protein degradation	C01B	MER0002481	OTHER	1	0	0	0	0	0
	C26	MER0045886	OTHER	1	0	0	0	0	0
	S01C	MER0004673	OTHER	1	0	0	0	0	0
	T02	MER0003338	OTHER	1	0	0	0	0	0
	S14	MER0004857	OTHER	1	0	0	0	0	0
	C26	MER0437468	OTHER	1	0	0	0	0	0

Possible implication in pea protein degradation	M20F	MER0026494	OTHER	1	0	0	0	0	0
	U72	MER0397777	OTHER	1	0	0	0	0	0
	C44	MER0198917	OTHER	1	0	0	0	0	0
	S26A	MER0004537	OTHER	1	0	0	0	0	0
	C60A	MER0038408	OTHER	1	0	0	0	0	0
	S08A	MER0002057	OTHER	1	0	0	0	0	0
<i>Bifidobacterium breve</i> LMG 13208									
Possible implication in pea protein degradation	C26	MER0045094	OTHER	1	0	0	0	0	0
	S09B	MER0195666	OTHER	1	0	0	0	0	0
	M48B	MER0006293	OTHER	0.99999	0	0	0	0	0
Possible implication in pea protein degradation	C60A	MER0038408	OTHER	0.99395	0.00608	2E-06	2E-06	2E-06	1E-06
	C60A	MER0038408	OTHER	1	0	0	0	0	0
	C69	MER0002163	OTHER	1	0	0	0	0	0
	C69	MER0002163	OTHER	1	0	0	0	0	0
	M01	MER0001003	OTHER	1	0	0	0	0	0
	C44	MER0003327	OTHER	1	0	0	0	0	0
	M20F	MER0026494	OTHER	1	0	0	0	0	0
	T05	MER0011830	OTHER	0.99999	0	0	0	0	0
	C26	MER0045886	OTHER	1	0	0	0	0	0
	M20D	MER0002655	OTHER	1	0	0	0	0	0
	S14	MER0004847	OTHER	1	0	0	0	0	0
	M38	MER0066192	OTHER	1	0	0	0	0	0
	C26	MER0437468	OTHER	1	0	0	0	0	0
	C15	MER0001424	OTHER	1	0	0	0	0	0
	C01B	MER0002481	OTHER	1	0	0	0	0	0
	M41	MER0015199	OTHER	1	0	0	0	0	0
	M13	MER0004775	OTHER	1	0	0	0	0	0
	U72	MER0397777	OTHER	1	0	0	0	0	0
	I04	MER0021383	OTHER	1	0	0	0	0	0
	C26	MER0065588	OTHER	1	0	0	0	0	0
M38	MER0066192	OTHER	1	0	0	0	0	0	

	S14	MER0004857	OTHER	1	0	0	0	0	0
	M24B	MER0028601	OTHER	1	0	0	0	0	0
	C59	MER0019881	OTHER	1	0	0	0	0	0
	C26	MER0060647	OTHER	1	0	0	0	0	0
	C26	MER0066916	OTHER	1	0	0	0	0	0
	U32	MER0003855	OTHER	1	0	0	0	0	0
	S01C	MER0004673	OTHER	1	0	0	0	0	0
	C44	MER0011806	OTHER	1	0	0	0	0	0
	S16	MER0014135	OTHER	1	0	0	0	0	0
	U72	MER0397777	OTHER	1	0	0	0	0	0
	S09A	MER0000410	OTHER	1	0	0	0	0	0
	S33	MER0001367	OTHER	1	0	0	0	0	0
	S26A	MER0004537	OTHER	0.99998	0	0	0	0	0
<i>Faecalibacterium prausnitzii</i> DSM 17677	S01C	MER0004673	OTHER	0.99999	0	0	0	0	0
	M20A	MER0001361	OTHER	1	0	0	0	0	0
	M38	MER0066192	OTHER	1	0	0	0	0	0
	T05	MER0011829	OTHER	1	0	0	0	0	0
	M18	MER0015303	OTHER	1	0	0	0	0	0
	C26	MER0060647	OTHER	1	0	0	0	0	0
	M38	MER0005767	OTHER	1	0	0	0	0	0
	M20A	MER0001361	OTHER	1	0	0	0	0	0
	C26	MER0065588	OTHER	1	0	0	0	0	0
	M19	MER0013425	OTHER	1	0	0	0	0	0
	C40	MER0001322	OTHER	1	0	0	0	0	0
	C26	MER0045886	OTHER	1	0	0	0	0	0
	C40	MER0003807	OTHER	1	0	0	0	0	0
	M41	MER0005466	OTHER	1	0	0	0	0	0
Possible implication in pea protein degradation	S09X	MER0030934	OTHER	1	0	0	0	0	0
	M41	MER0002602	OTHER	0.99999	0	0	0	0	0
Possible implication in pea protein degradation	S09X	MER0030934	OTHER	1	0	0	0	0	0

Possible implication in pea protein degradation	U32	MER0013876	OTHER	1	0	0	0	0	0
	C01B	MER0003535	OTHER	1	0	0	0	0	0
	M18	MER0005460	OTHER	1	0	0	0	0	0
	S16	MER0000485	OTHER	1	0	0	0	0	0
	M38	MER0066192	OTHER	1	0	0	0	0	0
	M20B	MER0001421	OTHER	1	0	0	0	0	0
Possible implication in pea protein degradation	M29	MER0001287	OTHER	1	0	0	0	0	0
	M16B	MER0004423	OTHER	1	0	0	0	0	0
	M24A	MER0001243	OTHER	1	0	0	0	0	0
	S14	MER0011947	OTHER	1	0	0	0	0	0
	M32	MER0002064	OTHER	1	0	0	0	0	0
	C40	MER0003807	OTHER	1	0	0	0	0	0
	C59	MER0019881	OTHER	1	0	0	0	0	0
	A25	MER0001292	OTHER	1	0	0	0	0	0
	M16C	MER0014056	OTHER	0.99998	0	0	0	0	0
	S55	MER0003459	OTHER	1	0	0	0	0	0
	M20D	MER0002655	OTHER	1	0	0	0	0	0
	M03C	MER0078856	OTHER	1	0	0	0	0	0
	U32	MER0003855	OTHER	1	0	0	0	0	0
	C69	MER0002163	OTHER	1	0	0	0	0	0
	M24B	MER0016542	OTHER	1	0	0	0	0	0
	S16	MER0014135	OTHER	1	0	0	0	0	0
	C44	MER0011806	OTHER	1	0	0	0	0	0
	C26	MER0437468	OTHER	1	0	0	0	0	0
	S14	MER0000474	OTHER	1	0	0	0	0	0
	M50B	MER0004468	OTHER	1	0	0	0	0	0
	S11	MER0000454	OTHER	0.99999	0	0	0	0	0
	C44	MER1054487	OTHER	1	0	0	0	0	0
	C40	MER0003807	OTHER	1	0	0	0	0	0
	C44	MER0003327	OTHER	1	0	0	0	0	0
	C60B	MER0025283	OTHER	0.94849	0.05138	3.3E-05	3.9E-05	2.9E-05	2.4E-05

	S11	MER0000454	SP	0.02145	0.97745	0.00036	0.00027	0.00024	0.00022
	S11	MER0000454	SP	0.00031	0.99882	0.00027	0.00023	0.0002	0.00018
	C69	MER0016508	SP	0.00025	0.99895	0.00024	0.00022	0.00017	0.00018
	C69	MER0016508	SP	0.00025	0.99895	0.00024	0.00022	0.00017	0.00018
<i>Bifidobacterium longum</i> subsp. <i>longum</i> LMG 13197	C44	MER0004101	OTHER	1	0	0	0	0	0
	S09A	MER0000410	OTHER	1	0	0	0	0	0
	C15	MER0001424	OTHER	1	0	0	0	0	0
	M20D	MER0002655	OTHER	1	0	0	0	0	0
	S14	MER0004857	OTHER	1	0	0	0	0	0
	C26	MER0437468	OTHER	1	0	0	0	0	0
	C59	MER0019881	OTHER	1	0	0	0	0	0
	M24A	MER0001243	OTHER	1	0	0	0	0	0
	T05	MER0011830	OTHER	0.99999	0	0	0	0	0
	M20F	MER0026494	OTHER	1	0	0	0	0	0
	M01	MER0001003	OTHER	1	0	0	0	0	0
	I04	MER0021383	OTHER	1	0	0	0	0	0
	C60A	MER0038408	OTHER	1	0	0	0	0	0
	C69	MER0002163	OTHER	1	0	0	0	0	0
	Possible implication in pea protein degradation	C01B	MER0002628	OTHER	1	0	0	0	0
		S16	MER0014135	OTHER	0.99999	0	0	0	0
	Possible implication in pea protein degradation	C01B	MER0002481	OTHER	1	0	0	0	0
		C26	MER0045094	OTHER	1	0	0	0	0
		M48B	MER0006293	OTHER	0.99999	0	0	0	0
		C26	MER0066916	OTHER	1	0	0	0	0
		S26A	MER0004537	OTHER	1	0	0	0	0
		M38	MER0066192	OTHER	1	0	0	0	0
		S33	MER0001367	OTHER	1	0	0	0	0
	Possible implication in pea protein degradation	S09B	MER0195666	OTHER	1	0	0	0	0
		U32	MER0003855	OTHER	1	0	0	0	0

		C44	MER0003327	OTHER	0.99999	0	0	0	0	0
		S14	MER0004847	OTHER	0.99998	0	0	0	0	0
		M20A	MER0001361	OTHER	1	0	0	0	0	0
		C44	MER0198917	OTHER	1	0	0	0	0	0
		S26A	MER0004537	OTHER	1	0	0	0	0	0
		C60A	MER0038408	OTHER	0.99998	0	0	0	0	0
		M38	MER0005900	OTHER	0.99999	0	0	0	0	0
		M24B	MER0028601	OTHER	1	0	0	0	0	0
		U72	MER0397777	OTHER	1	0	0	0	0	0
		U72	MER0397777	OTHER	1	0	0	0	0	0
	Possible implication in pea protein degradation	M13	MER0004775	OTHER	1	0	0	0	0	0
		M41	MER0015199	OTHER	0.99999	0	0	0	0	0
	Possible implication in pea protein degradation	S09X	MER0031562	OTHER	1	0	0	0	0	0
		S01C	MER0004673	OTHER	1	0	0	0	0	0
		C26	MER0045886	OTHER	1	0	0	0	0	0
		C60A	MER0038408	OTHER	0.99688	0.00311	2E-06	2E-06	1E-06	1E-06
		C26	MER0060647	OTHER	1	0	0	0	0	0
<i>Segatella copri</i> DSM 18205		M48C	MER0026552	LIPO	0	0	1	0	0	0
		I04	MER0284643	LIPO	0	0	1	0	0	0
		S12	MER0005925	LIPO	0.48519	1.9E-05	0.51479	0	0	0
	Possible implication in pea protein degradation	S08A	MER0002575	LIPO	0	0	1	0	0	0
	Possible implication in pea protein degradation	C01A	MER0095620	LIPO	0	0	1	0	0	0
		C11X	MER0030326	LIPO	0	0	1	0	0	0
		M03A	MER0001161	OTHER	1	0	0	0	0	0
		S49A	MER0001299	OTHER	0.99999	1E-06	0	0	0	0
		C26	MER0045886	OTHER	1	0	0	0	0	0
		C26	MER0045094	OTHER	1	0	0	0	0	0
		C26	MER0065588	OTHER	1	0	0	0	0	0
		S16	MER0014135	OTHER	1	0	0	0	0	0
		M20C	MER0047723	OTHER	1	0	0	0	0	0

Possible implication in pea protein degradation	U32	MER0013876	OTHER	1	0	0	0	0	0
	M49	MER0028047	OTHER	1	0	0	0	0	0
	C26	MER0437468	OTHER	1	0	0	0	0	0
	S33	MER0000436	OTHER	1	0	0	0	0	0
	M41	MER0005496	OTHER	0.90374	8E-06	0.0963	0	0	0
	M20C	MER0047723	OTHER	1	0	0	0	0	0
	M20B	MER0001421	OTHER	1	0	0	0	0	0
	M24B	MER0001248	OTHER	1	0	0	0	0	0
	C44	MER0012158	OTHER	1	0	0	0	0	0
	S24	MER0000576	OTHER	1	0	0	0	0	0
	C26	MER0066916	OTHER	1	0	0	0	0	0
	M20A	MER0028025	OTHER	1	0	0	0	0	0
	M18	MER0003372	OTHER	1	0	0	0	0	0
	M19	MER0011343	OTHER	1	0	0	0	0	0
	U32	MER0003242	OTHER	1	0	0	0	0	0
	S14	MER0000474	OTHER	1	0	0	0	0	0
	C44	MER0198917	OTHER	1	0	0	0	0	0
	C44	MER0034539	OTHER	1	0	0	0	0	0
	C56	MER0042827	OTHER	1	0	0	0	0	0
	C44	MER0003327	OTHER	1	0	0	0	0	0
Possible implication in pea protein degradation	M24B	MER0004321	OTHER	1	0	0	0	0	0
	M16B	MER0003448	OTHER	0.99999	0	0	0	0	0
	M24A	MER0001243	OTHER	1	0	0	0	0	0
	S41A	MER0001297	OTHER	1	0	0	0	0	0
	C26	MER0078640	OTHER	1	0	0	0	0	0
Possible implication in pea protein degradation	S16	MER0000485	OTHER	1	0	0	0	0	0
Possible implication in pea protein degradation	S09C	MER0066184	OTHER	1	0	0	0	0	0
Possible implication in pea protein degradation	S09X	MER0030934	OTHER	1	0	0	0	0	0
Possible implication in pea protein degradation	M13	MER0004775	SP	0.00018	0.99926	0.00016	0.00016	0.00013	0.00013
Possible implication in pea protein degradation	M13	MER0004775	SP	0.00023	0.99904	0.0002	0.0002	0.00017	0.00016

Possible implication in pea protein degradation	S09C	MER0034615	SP	0.00017	0.99933	0.00014	0.00015	0.00012	0.00013
	M03A	MER0001158	SP	0.00019	0.99923	0.00016	0.00017	0.00013	0.00013
	C10	MER0010975	SP	0.00014	0.66612	0.33348	9.9E-05	8.8E-05	8.5E-05
	C01A	MER0095620	SP	0.00019	0.99923	0.00016	0.00017	0.00014	0.00014
	S09B	MER0001423	SP	0.00021	0.99916	0.0002	0.00018	0.00015	0.00015
	C25	MER0034582	SP	0.00022	0.99912	0.0002	0.00019	0.00014	0.00014
	S09X	MER0037861	SP	0.00025	0.99905	0.00021	0.0002	0.00016	0.00015
	M16B	MER0001233	SP	0.00017	0.99929	0.00015	0.00016	0.00013	0.00013
	S41A	MER0015684	SP	0.00022	0.99912	0.00019	0.00017	0.00014	0.00014
	S41A	MER0001425	SP	0.00019	0.99917	0.00018	0.00017	0.00014	0.00014
	S46	MER0014366	SP	0.0002	0.99913	0.00022	0.00018	0.00015	0.00015
	C01B	MER0000728	SP	0.0002	0.99917	0.00017	0.00017	0.00014	0.00014
	S01C	MER0013623	SP	0.00025	0.99899	0.00021	0.00021	0.00017	0.00017
	S09B	MER0005196	SP	0.00019	0.99923	0.00017	0.00018	0.00014	0.00014
Bacteroides thetaiotaomicron 41F									
Possible implication in pea protein degradation	S41A	MER0195376	LIPO	0	0	1	0	0	0
	M03A	MER0001158	LIPO	0	0	1	0	0	0
	M93	MER0491616	LIPO	0	0	1	0	0	0
	M93	MER0491616	LIPO	0	0	1	0	0	0
	M13	MER0004775	LIPO	0	0	1	0	0	0
	S09C	MER0066184	LIPO	0	0	1	0	0	0
	I39	MER0034541	LIPO	0	1E-06	1	0	0	0
	S09C	MER0034615	LIPO	0	0	1	0	0	0
	C11X	MER0028004	LIPO	0.33491	8.5E-05	0.66498	0	0	0
	M49	MER0028047	LIPO	0	0	1	0	0	0
	S08A	MER0001521	LIPO	0	0	1	0	0	0
	S16	MER0014135	OTHER	1	0	0	0	0	0
Possible implication in pea protein degradation	U32	MER0013876	OTHER	1	0	0	0	0	0
	C10	MER0001723	OTHER	1	0	0	0	0	0

Possible implication in pea protein
degradation

M24B	MER0001244	OTHER	1	0	0	0	0	0
S66	MER0016191	OTHER	1	0	0	0	0	0
M38	MER0033186	OTHER	1	0	0	0	0	0
M24A	MER0005690	OTHER	1	0	0	0	0	0
M24B	MER0003105	OTHER	1	0	0	0	0	0
S41A	MER0003514	OTHER	0.5897	0.13572	0.27427	0.00015	0.0001	8.7E-05
U32	MER0003242	OTHER	1	0	0	0	0	0
M16B	MER0003448	OTHER	1	0	0	0	0	0
M20A	MER0028025	OTHER	1	0	0	0	0	0
M38	MER0066192	OTHER	1	0	0	0	0	0
M103	MER0028087	OTHER	1	0	0	0	0	0
S14	MER0000474	OTHER	1	0	0	0	0	0
S41A	MER0001297	OTHER	0.99812	0.00187	1E-06	1E-06	1E-06	1E-06
C26	MER0045886	OTHER	1	0	0	0	0	0
M20B	MER0001421	OTHER	1	0	0	0	0	0
M38	MER0005767	OTHER	1	0	0	0	0	0
C26	MER0043394	OTHER	1	0	0	0	0	0
C44	MER0034539	OTHER	1	0	0	0	0	0
C44	MER0198917	OTHER	1	0	0	0	0	0
C44	MER0003327	OTHER	1	0	0	0	0	0
C26	MER0060647	OTHER	1	0	0	0	0	0
C26	MER0437468	OTHER	1	0	0	0	0	0
M24A	MER0001243	OTHER	1	0	0	0	0	0
M38	MER0066192	OTHER	1	0	0	0	0	0
M38	MER0066192	OTHER	1	0	0	0	0	0
C11X	MER0030326	OTHER	1	0	0	0	0	0
S16	MER0000485	OTHER	1	0	0	0	0	0
S01C	MER0013623	OTHER	0.97113	0.02881	2.3E-05	3.4E-05	2.8E-05	0.00002
C26	MER0065588	OTHER	0.99999	0	0	0	0	0
M20C	MER0001283	OTHER	1	0	0	0	0	0
C56	MER0042827	OTHER	1	0	0	0	0	0

	S49A	MER0001299	OTHER	0.99999	1E-06	0	0	0	0
	M20F	MER0026494	OTHER	0.99999	0	0	0	0	0
	M20C	MER0047723	OTHER	1	0	0	0	0	0
	M41	MER0056525	OTHER	1	3E-06	0	0	0	0
	S37	MER0001350	SP	0.00021	0.9992	0.00017	0.00017	0.00013	0.00013
	S12	MER0004090	SP	0.00017	0.99927	0.00016	0.00016	0.00013	0.00013
	S41A	MER0003413	SP	0.00018	0.99926	0.00016	0.00015	0.00013	0.00013
	S13	MER0000471	SP	0.0002	0.99917	0.00019	0.00017	0.00014	0.00014
Possible implication in pea protein degradation	S09B	MER0005196	SP	0.00019	0.99922	0.00017	0.00017	0.00014	0.00013
	S46	MER0014366	SP	0.00018	0.9992	0.00016	0.00016	0.00014	0.00014
Possible implication in pea protein degradation	S09B	MER0001423	SP	0.00029	0.99897	0.00023	0.00019	0.00017	0.00016
	M03A	MER0001161	SP	0.00023	0.99911	0.00019	0.00017	0.00014	0.00015
Possible implication in pea protein degradation	M16B	MER0001233	SP	0.00012	0.83471	0.16489	0.0001	9.1E-05	9.1E-05
	M48C	MER0002639	SP	0.00013	0.83278	0.16679	0.00011	9.2E-05	9.7E-05
	S46	MER0039993	SP	0.00018	0.99922	0.00016	0.00017	0.00014	0.00014
	S46	MER0039993	SP	0.00016	0.99928	0.00014	0.00015	0.00013	0.00013
Possible implication in pea protein degradation	S09B	MER0004921	SP	0.00018	0.99923	0.00016	0.00017	0.00014	0.00014
Possible implication in pea protein degradation	M16B	MER0001233	SP	0.00043	0.99847	0.00034	0.0003	0.00024	0.00024
Possible implication in pea protein degradation	C01B	MER0002481	SP	0.0002	0.99917	0.00017	0.00017	0.00014	0.00014
Possible implication in pea protein degradation	C01A	MER0095620	SP	0.0002	0.9992	0.00017	0.00017	0.00014	0.00013
	M103	MER0016301	TAT	0	0	0	1	0	0

Supplementary Table 4. DNA sequencing and data filtering

			Sample	Sequenced reads	High quality reads	Classified reads
S1	A	CTRL	S1-A-CTRL	361766	317695	99662
S1	B	CTRL	S1-B-CTRL	297494	271760	99750
S1	C	CTRL	S1-C-CTRL	304357	283260	99600
S1	A	PPC	S1-A-PPC	494775	391355	99201
S1	B	PPC	S1-B-PPC	444137	405729	99064
S1	C	PPC	S1-C-PPC	328865	259958	99226
S1	A	PPI	S1-A-PPI	355028	311280	99324
S1	B	PPI	S1-B-PPI	228780	209293	99489
S1	C	PPI	S1-C-PPI	428618	394572	99148
S2	A	CTRL	S2-A-CTRL	450176	387987	98852
S2	B	CTRL	S2-B-CTRL	501145	451384	99073
S2	C	CTRL	S2-C-CTRL	269541	196232	98942
S2	A	PPC	S2-A-PPC	293278	262155	97942
S2	B	PPC	S2-B-PPC	434704	384592	98149
S2	C	PPC	S2-C-PPC	453835	417520	98658
S2	A	PPI	S2-A-PPI	342331	255259	98513
S2	B	PPI	S2-B-PPI	452008	406846	98559
S2	C	PPI	S2-C-PPI	287222	246788	98396
S3	A	CTRL	S3-A-CTRL	713160	604106	99412
S3	B	CTRL	S3-B-CTRL	410774	389648	99433
S3	C	CTRL	S3-C-CTRL	452295	398300	99452
S3	A	PPC	S3-A-PPC	528150	483084	98187
S3	B	PPC	S3-B-PPC	410894	378547	98224
S3	C	PPC	S3-C-PPC	451724	422042	98448
S3	A	PPI	S3-A-PPI	543327	492291	99226
S3	B	PPI	S3-B-PPI	617406	508260	98796
S3	C	PPI	S3-C-PPI	554729	488706	99239
S4	A	CTRL	S4-A-CTRL	474808	413053	99298
S4	B	CTRL	S4-B-CTRL	365196	333702	99192
S4	C	CTRL	S4-C-CTRL	389248	373662	99230
S4	A	PPC	S4-A-PPC	446025	401968	99330
S4	B	PPC	S4-B-PPC	245309	221044	99333
S4	C	PPC	S4-C-PPC	414804	366494	99235
S4	A	PPI	S4-A-PPI	370185	333832	98585
S4	B	PPI	S4-B-PPI	457922	434812	98754
S4	C	PPI	S4-C-PPI	484211	421563	98859
S5	A	CTRL	S5-A-CTRL	234907	226193	99477
S5	B	CTRL	S5-B-CTRL	364624	322673	99381
S5	C	CTRL	S5-C-CTRL	399156	376475	99683
S5	A	PPC	S5-A-PPC	284831	258191	99716
S5	B	PPC	S5-B-PPC	399779	359961	99711
S5	C	PPC	S5-C-PPC	136970	130451	99673
S5	A	PPI	S5-A-PPI	350081	298837	99580
S5	B	PPI	S5-B-PPI	323653	308260	99498
S5	C	PPI	S5-C-PPI	360514	323847	99565
S6	A	CTRL	S6-A-CTRL	167512	162041	98711
S6	B	CTRL	S6-B-CTRL	249891	244491	99137
S6	C	CTRL	S6-C-CTRL	164623	159675	99114
S6	A	PPC	S6-A-PPC	80274	78528	48160
S6	B	PPC	S6-B-PPC	75534	73484	50171
S6	C	PPC	S6-C-PPC	171184	168344	96388
S6	A	PPI	S6-A-PPI	48860	46766	40044
S6	B	PPI	S6-B-PPI	189074	183755	98441
S6	C	PPI	S6-C-PPI	102168	99624	68018

Supplementary Table 5. Relative abundance of bacterial species identified across all samples

Bacterial species	Abditibacterium below species threshold	Acetatifactor below species threshold	Acetivibrio below species threshold	Acetobacter below species threshold	Acidaminococcus below species threshold	Acidaminococcus fermentans	Acidaminococcus massiliensis	Acidaminococcus timonensis	Acutalibacter below species threshold	Adlerereutzia below species threshold	Aeromonas below species threshold	Aeromonas caviae	Aeromonas hydrophila	Aeromonas veronii	Agathobacter below species threshold
S1-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0.03
S2-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02
S2-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02
S2-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.07
S2-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.06
S2-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.05
S2-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04
S2-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.05
S2-C-PPI	0	0	0	0	0	0	0	0	0	0	0.01	0	0.01	0	0.03
S3-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0.12	0
S3-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-A-PPC	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0	0
S3-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-B-CTRL	0.83	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0.23	0	0	0
S6-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0.26	0	0	0
S6-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0.34	0	0	0
S6-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0.05	0	0	0
S6-B-PPI	0	0	0	0	0.08	0	0	0	0	0	0	0.12	0	0	0
S6-C-PPI	0	0	0	0	0.07	0	0	0	0	0	0	0.06	0	0	0

Bacterial species	Agathobacter rectalis	Agathobaculum below species threshold	Agathobaculum butyriciproducens	Agathobaculum multihit species	Akkermansia below species threshold	Akkermansia massiliensis	Akkermansia muciniphila	Akkermansia multihit species	Alistipes below species threshold	Alistipes communis	Alistipes dispar	Alistipes finegoldii	Alistipes ihumii	Alistipes indistinctus	Alistipes intestinalis	Alistipes montreuilensis	Alistipes multihit species	Alistipes onderdonkii
S1-A-CTRL	0.4	0	0	0	0	0	0	0	0.68	0	0	0	0	0	0	0	0.35	1.25
S1-B-CTRL	0.43	0	0	0	0	0	0	0	0.49	0	0	0	0	0	0	0	0	0.58
S1-C-CTRL	0.5	0	0	0	0	0	0	0	0.59	0	0	0	0	0	0	0	0.26	0.96
S1-A-PPC	0.47	0	0	0	0	0	0	0	0.12	0	0.17	0	0	0	0	0	0.27	0.57
S1-B-PPC	0.44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.12	0.4
S1-C-PPC	0.54	0	0	0	0	0	0	0	0.13	0	0	0	0	0	0	0	0	0.27
S1-A-PPI	0.37	0	0	0	0	0	0	0	0.33	0	0	0	0	0	0	0	0.17	0.82
S1-B-PPI	0.69	0	0	0	0	0	0	0	0.46	0	0	0	0	0	0	0	0	0.86
S1-C-PPI	0.41	0	0	0	0	0	0	0	0.33	0	0	0	0	0	0	0	0.2	1.03
S2-A-CTRL	2.4	0	0.09	0	0	0.05	0	0	0.07	0	0	0	0	0	0	0	0.17	1.22
S2-B-CTRL	2.25	0	0.04	0	0	0.04	0	0	0.05	0	0	0	0	0	0	0	0.13	1.01
S2-C-CTRL	2.39	0	0.06	0	0	0.03	0	0	0.05	0	0	0	0	0	0	0	0.18	1.25
S2-A-PPC	5.03	0.02	0.09	0	0	0.02	0	0	0.06	0	0	0	0	0	0	0	0.12	1.09
S2-B-PPC	4.13	0.04	0.08	0	0	0.02	0	0	0.05	0	0	0	0	0	0	0	0.12	1.05
S2-C-PPC	3.53	0	0.05	0	0	0.03	0	0	0.03	0	0	0	0	0	0	0	0.1	0.84
S2-A-PPI	3.17	0.02	0.08	0	0	0.04	0	0	0.06	0	0	0	0	0	0	0	0.16	1.16
S2-B-PPI	3.88	0	0.08	0	0	0.02	0	0	0.05	0	0	0	0	0	0	0	0.17	1.37
S2-C-PPI	3.45	0.02	0.07	0	0	0.02	0	0	0.05	0	0	0	0	0	0	0	0.13	1.08
S3-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-C-CTRL	0	0	0	0	0	0	0	0	0	0.28	0	0	0	0	0	0	0	0
S3-A-PPC	0.04	0	0	0	0	0	0	0	0.03	0.03	0.03	0	0	0	0	0	0.02	0.02
S3-B-PPC	0.03	0	0	0	0	0	0	0	0.04	0	0.05	0	0	0	0	0	0.03	0
S3-C-PPC	0.04	0	0	0	0	0	0	0	0	0.02	0.04	0	0	0	0	0	0	0
S3-A-PPI	0.15	0	0	0	0	0	0	0	0	0	0.13	0	0	0	0	0	0	0
S3-B-PPI	0.08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-A-CTRL	0	0	0	0	0	0	0	0	0.16	0	0	0.24	0	0	0	0	0.1	0.53
S4-B-CTRL	0	0	0	0	0	0	0	0	0.1	0	0	0.39	0.07	0	0	0	0.12	0.54
S4-C-CTRL	0	0	0	0	0	0	0	0	0.24	0	0	0.54	0	0	0	0	0.13	0.55
S4-A-PPC	0	0	0	0	0	0	0	0	0.56	0	0	2.73	0	0	0	0	0.59	1.4
S4-B-PPC	0	0	0	0	0	0	0	0	0.58	0	0	2.28	0	0	0	0	0.71	0.81
S4-C-PPC	0	0	0	0	0	0	0	0	0.5	0	0	3.14	0.51	0	0	0	0.7	0.92
S4-A-PPI	0.06	0	0	0	0	0	0	0	0.19	0	0	0.75	0.08	0	0	0	0.21	0.45
S4-B-PPI	0	0	0	0	0	0	0	0	0.22	0	0	0.78	0	0	0	0	0.22	0.6
S4-C-PPI	0	0	0	0	0	0	0	0	0.3	0	0	1.22	0	0	0	0	0.32	0.53
S5-A-CTRL	0	0	0	0	0	0	0.87	0	0	0	0	0	0	0	0	0	0	0.81
S5-B-CTRL	0	0	0	0	0	0	0.69	0	0	0	0	0.32	0	0	0	0	0	1.05
S5-C-CTRL	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1.06
S5-A-PPC	0	0	0	0	0	0	1.18	0	0	0	0	0	0	0	0	0	0	0.86
S5-B-PPC	0	0	0	0	0	0	1.39	0	0	0	0	0	0	0	0	0	0	0.9
S5-C-PPC	0	0	0	0	0	0	1.25	0	0	0	0	0	0	0	0	0	0	1.12
S5-A-PPI	0	0	0	0	0	0	1	0	0	0	0	0.31	0	0	0	0	0.34	1.96
S5-B-PPI	0	0	0	0	0	0	0.93	0	0	0	0	0	0	0	0	0	0	1.11
S5-C-PPI	0	0	0	0	0	0	0.71	0	0	0	0	0.18	0	0	0	0	0.21	1
S6-A-CTRL	0.82	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-B-CTRL	0.58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-C-CTRL	0.73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-A-PPC	0.77	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-B-PPC	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-C-PPC	0.76	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-A-PPI	1.46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-B-PPI	1.36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-C-PPI	1.56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Bacterial species	Alistipes provençensis	Alistipes putredinis	Alistipes senegalensis	Alistipes shahii	Alistipes timonensis	Allisonella below species threshold	Allisonella histaminiformans	Alloceoprobacillus below species threshold	Allofournierella below species threshold	Allofournierella massiliensis	Alloprevotella below species threshold	Amedibacterium below species threshold	Anaerobutyricum below species threshold	Anaerobutyricum hallii	Anaerocaeiibacter below species threshold	Anaerocolumna below species threshold
S1-A-CTRL	0	0	0	0	0	0	1.71	0	0	0	0	0	0	0	0	0
S1-B-CTRL	0	0	0	0	0	0	1.36	0	0	0	0	0	0	0	0	0
S1-C-CTRL	0	0	0	0	0	0	1.22	0	0	0	0	0	0	0	0	0
S1-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-A-PPI	0	0	0	0	0	0	0.54	0	0	0	0	0	0	0	0	0
S1-B-PPI	0	0	0	0	0	0	0.41	0	0	0	0	0	0	0	0	0
S1-C-PPI	0	0	0	0	0	0	1.02	0	0	0	0	0	0	0	0	0
S2-A-CTRL	0	0	0	0.03	0	0	0	0	0	0	0	0	0	0	0	0
S2-B-CTRL	0	0	0	0.03	0	0	0	0	0	0	0	0	0	0	0	0
S2-C-CTRL	0	0	0	0.02	0	0	0	0	0	0	0	0	0	0	0	0
S2-A-PPC	0	0	0	0.06	0	0	0	0	0	0	0	0	0	0	0	0
S2-B-PPC	0	0	0	0.05	0	0	0	0	0	0	0	0	0	0	0	0
S2-C-PPC	0	0	0	0.02	0	0	0	0	0	0	0	0	0	0	0	0
S2-A-PPI	0	0	0	0.05	0	0	0	0	0	0	0	0	0	0	0	0
S2-B-PPI	0	0	0	0.04	0	0	0	0	0	0	0	0	0	0	0	0
S2-C-PPI	0	0	0	0.02	0	0	0	0	0	0	0	0	0	0	0	0
S3-A-CTRL	0	0.64	0	0	0	0	0.9	0	0	0	0	0	0	0	0	0
S3-B-CTRL	0	1	0	0	0	0.56	0.91	0	0	0	0	0	0	0	0	0
S3-C-CTRL	0	1	0	0	0	0	1.35	0	0	0	0	0	0	0	0	0
S3-A-PPC	0	0.12	0	0.02	0	0	0	0	0	0	0	0	0	0.03	0	0
S3-B-PPC	0	0.14	0	0	0	0	0	0	0	0	0	0	0	0.02	0	0
S3-C-PPC	0	0.12	0	0	0	0	0.05	0	0	0	0	0	0	0	0	0
S3-A-PPI	0	0.4	0	0	0	0	0.41	0	0	0	0	0	0	0	0	0
S3-B-PPI	0	0.13	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-C-PPI	0	0.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-A-CTRL	0	0.71	0	0.11	0	0	0	0	0	0	0	0	0	0	0	0
S4-B-CTRL	0	0.75	0	0.17	0	0	0	0	0	0	0	0	0	0	0	0
S4-C-CTRL	0	0.8	0	0.24	0.05	0	0	0	0	0	0	0	0	0	0	0
S4-A-PPC	0	3.09	0	0.51	0	0	0	0	0	0	0	0	0	0	0	0
S4-B-PPC	0	1.71	0	0.65	0	0	0	0	0	0	0	0	0	0	0	0
S4-C-PPC	0	1.81	0	1.31	0	0	0	0	0	0	0	0	0	0	0	0
S4-A-PPI	0	1.15	0	0.15	0.05	0	0	0	0	0	0	0	0	0	0	0
S4-B-PPI	0	0.97	0	0.26	0.07	0	0	0	0	0	0	0	0	0	0	0
S4-C-PPI	0	1.27	0	0.27	0.11	0	0	0	0	0	0	0	0	0	0	0
S5-A-CTRL	0	0.67	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-B-CTRL	0	1.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-CTRL	0	0.76	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-A-PPC	0	0.96	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-B-PPC	0	0.89	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-PPC	0	0.78	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-A-PPI	0	0.79	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-B-PPI	0	0.64	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-PPI	0	0.54	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-A-CTRL	0	1.64	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-B-CTRL	0	1.45	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-C-CTRL	0	1.39	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-A-PPC	0	0.14	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-B-PPC	0	0.09	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-C-PPC	0	0.15	0	0	0	0.08	0	0	0	0	0	0	0	0	0	0
S6-A-PPI	0	0.24	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-B-PPI	0	0.29	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-C-PPI	0	0.27	0	0	0	0.15	0	0	0	0	0	0	0	0	0	0

[illegible]

Bacterial species	Bacillus below species threshold	Bacillus multihit species	Bacillus paranthracis	Bacteroides acidifaciens	Bacteroides below species threshold	Bacteroides caecae	Bacteroides caecimuris	Bacteroides cellulolyticus	Bacteroides clarus	Bacteroides congenensis	Bacteroides eggerthii	Bacteroides faecis	Bacteroides faecium	Bacteroides finegoldii	Bacteroides fragilis	Bacteroides hominis
S1-A-CTRL	0	0	0	0	0.46	0	0	0.21	0	0	1.6	0	0	0	0	0
S1-B-CTRL	0	0	0	0	0.49	0	0	0.22	0	0	1.08	0	0	0	0	0
S1-C-CTRL	0	0	0	0	0.7	0.15	0	0.2	0	0	1.32	0	0	0	0	0
S1-A-PPC	0	0	0	0	0.28	0	0	0.06	0	0	0.51	0	0	0	0	0
S1-B-PPC	0	0	0	0	0.17	0	0	0.07	0	0	0.41	0	0	0	0	0
S1-C-PPC	0	0	0	0	0.19	0.09	0	0.06	0	0	0.26	0	0	0	0	0
S1-A-PPI	0	0	0	0	0.3	0	0	0	0	0	0.45	0	0	0	0	0
S1-B-PPI	0	0	0	0	0.53	0.24	0	0	0	0	0.5	0	0	0	0	0
S1-C-PPI	0	0	0	0	0.36	0.15	0	0.05	0	0	0.36	0	0	0	0	0
S2-A-CTRL	0	0	0	0	0.05	0.06	0	0	0	0.3	0	0	0.01	0	0.05	0
S2-B-CTRL	0	0.02	0.01	0	0.05	0.05	0	0	0	0.34	0	0	0.01	0	0.04	0
S2-C-CTRL	0	0	0	0.01	0.06	0.05	0	0	0	0.29	0	0	0.01	0	0.04	0
S2-A-PPC	0	0	0	0	0.03	0.1	0	0	0	0.08	0	0	0	0	0.01	0
S2-B-PPC	0	0	0	0	0.02	0.09	0	0	0	0.07	0	0	0	0	0	0
S2-C-PPC	0	0	0	0	0.01	0.08	0	0	0	0.07	0	0	0	0	0	0
S2-A-PPI	0	0	0	0	0.04	0.09	0	0	0	0.2	0	0	0	0	0.03	0
S2-B-PPI	0	0	0	0	0.03	0.15	0	0	0	0.22	0	0	0	0	0.02	0
S2-C-PPI	0	0	0	0	0.04	0.14	0	0	0	0.25	0	0	0	0	0.03	0
S3-A-CTRL	0	0	0	0	0.24	0	0	0	0	0	0.47	0	0	0	0	0
S3-B-CTRL	0	0	0	0	0.39	0	0	0	0	0	0.49	0	0	0	0	0
S3-C-CTRL	0	0	0	0	0.34	0	0	0	0	0	0.61	0	0	0	0	0
S3-A-PPC	0	0	0	0	0.04	0.02	0	0	0	0	0.06	0	0	0	0	0
S3-B-PPC	0	0	0	0	0.04	0.02	0	0	0	0	0.06	0	0	0	0	0
S3-C-PPC	0	0	0	0	0.03	0	0	0	0	0	0.06	0	0	0	0	0
S3-A-PPI	0	0	0	0	0.14	0	0	0	0	0	0.45	0	0	0	0	0
S3-B-PPI	0	0	0	0	0.14	0.11	0	0	0	0	0.28	0	0	0	0	0
S3-C-PPI	0	0	0	0	0.14	0.07	0	0	0	0	0.29	0	0	0	0	0
S4-A-CTRL	0	0	0	0	1.47	5.53	0.05	0.43	0.06	0	0	0	0.05	0.1	1.86	0.04
S4-B-CTRL	0	0	0	0	1.54	5.08	0	0.55	0.05	0	0	0	0.04	0.07	2.24	0.07
S4-C-CTRL	0	0	0	0	1.32	4.99	0.04	0.42	0.05	0	0	0	0	0.07	1.88	0.05
S4-A-PPC	0	0	0	0	0.66	1.22	0	0	0	0	0	0	0	0	1.29	0
S4-B-PPC	0	0	0	0	0.51	1.27	0	0	0	0	0	0	0	0	1.01	0
S4-C-PPC	0	0	0	0	0.77	1.15	0	0.16	0	0	0	0	0	0	0.44	0
S4-A-PPI	0	0	0	0	0.58	2.14	0	0.17	0.05	0	0	0	0	0.05	1.44	0
S4-B-PPI	0	0	0	0	0.67	2.93	0	0.16	0.04	0	0	0	0	0.03	1.74	0
S4-C-PPI	0	0	0	0	0.57	2.36	0	0.12	0.04	0	0	0	0	0	1.32	0
S5-A-CTRL	0	0	0	0	4.34	0	0	0.2	0	0	0	0	0	0.79	0.54	0
S5-B-CTRL	0	0	0	0	2.87	0	0	0	0	0	0	0	0	0.54	0.28	0
S5-C-CTRL	0	0	0	0	2.57	0	0	0	0	0	0	0	0	0.94	0.47	0.31
S5-A-PPC	0	0	0	0	0.17	0	0	0	0	0	0	0	0	0.17	0	0
S5-B-PPC	0	0	0	0	0.34	0	0	0	0	0	0	0	0	0	0	0
S5-C-PPC	0	0	0	0	0.15	0	0	0	0	0	0	0	0	0.21	0	0
S5-A-PPI	0	0	0	0	0.84	0	0	0	0	0	0	0	0	0.43	0.6	0
S5-B-PPI	0	0	0	0	1.05	0	0	0	0	0	0	0	0	0.37	0.44	0
S5-C-PPI	0	0	0	0	0.76	0	0	0	0	0	0	0	0	0.42	0.46	0
S6-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-A-PPC	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0
S6-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-C-PPC	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0	0	0
S6-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-B-PPI	0	0	0	0	0.05	0	0	0	0	0	0	0	0	0	0	0
S6-C-PPI	0	0	0	0	0.05	0	0	0	0	0	0	0	0	0	0	0

[illegible]

Bacterial species	Bacteroides vulgatus	Bacteroides xylanisolvens	Bacteroides zhongwenhongii	Bacteroides below species threshold	Bacteroides intestinihominis	Bacteroides below species threshold	Bacteroides below species threshold	Bifidobacterium adolescentis	Bifidobacterium below species threshold	Bifidobacterium bifidum	Bifidobacterium breve	Bifidobacterium catenulatum	Bifidobacterium dentium	Bifidobacterium longum	Bifidobacterium multihit species	Bifidobacterium pseudocatenulatum
S1-A-CTRL	0	0.19	0	0	0	0	0	5.61	0	0	0	0	0	1.39	1.36	0
S1-B-CTRL	0	0.15	0	0	0	0	0	10.47	0	0	0	0	0	1.17	2.6	0
S1-C-CTRL	0	0.26	0	0	0	0	0	5.51	0	0	0	0	0	1.01	1.61	0.3
S1-A-PPC	0	0.06	0	0	0	0	0	1.29	0	0	0	0	0	4.63	1.35	0.18
S1-B-PPC	0	0	0	0	0	0	0	1.58	0	0	0	0	0	6.32	1.8	0.21
S1-C-PPC	0	0.07	0	0	0	0	0	1.36	0	0	0	0	0	9.12	1.99	0.21
S1-A-PPI	0	0.13	0	0	0	0	0	1.1	0	0	0	0	0	1.54	0.67	0
S1-B-PPI	0	0.18	0	0	0	0	0	0.95	0	0	0	0	0	1.31	0.53	0
S1-C-PPI	0	0.17	0	0	0	0	0	0.93	0	0	0	0	0	0.69	0.3	0
S2-A-CTRL	0	0	0	0	0	0	0	0.22	0.18	0.39	0	0	0	24.22	4.35	0.49
S2-B-CTRL	0	0	0	0	0	0	0	0.18	0.08	0.24	0	0	0	12.54	2.54	0.55
S2-C-CTRL	0	0	0	0	0	0.01	0	0.17	0.14	0.27	0	0	0	18.39	3.26	0.42
S2-A-PPC	0	0	0	0	0	0	0	0.18	0.21	1.19	0	0.03	0	24.75	4.95	0.96
S2-B-PPC	0	0	0	0	0	0	0	0.17	0.21	1.71	0.03	0.03	0	30.2	5.95	1.04
S2-C-PPC	0	0	0	0	0	0	0	0.11	0.25	1.29	0	0	0	31.14	5.74	0.74
S2-A-PPI	0	0	0	0	0	0	0	0.2	0.09	0.38	0	0	0	12.02	2.55	0.25
S2-B-PPI	0	0	0	0	0	0	0	0.15	0.11	0.32	0	0	0	15.59	2.8	0.3
S2-C-PPI	0	0	0	0	0	0	0	0.15	0.1	0.32	0	0	0	11.54	2.27	0.24
S3-A-CTRL	0	1.21	0	0	0	0	0	8.57	0.53	2.08	0	0	0	1.8	1.06	0.23
S3-B-CTRL	0	0.42	0	0	0	0	0	12.64	0.58	2.64	0	0	0	1.52	1.07	0.31
S3-C-CTRL	0	0.31	0	0	0	0	0	11.4	0.9	3.1	0	0	0	1.66	1.27	0
S3-A-PPC	0	0.01	0	0	0.03	0	0	10.14	0.64	3.45	0.04	0	0	4.94	1.85	0.16
S3-B-PPC	0	0.01	0	0	0.03	0	0	10.54	0.69	3.35	0.03	0.03	0	5.23	1.81	0.2
S3-C-PPC	0	0	0	0	0.03	0	0	9.88	0.6	4.62	0.04	0.03	0	5.22	2.03	0.18
S3-A-PPI	0	0.12	0	0	0	0	0	13.31	0.76	1.11	0	0	0	3.8	1.74	0
S3-B-PPI	0	0	0	0	0	0	0	8.81	0.55	4.39	0	0	0	4.46	2.07	0.16
S3-C-PPI	0	0.07	0	0	0	0	0	9.35	0.63	4.43	0	0	0	3.9	1.68	0.3
S4-A-CTRL	0.1	10.74	0	0	0	0	0	0	0	0	0	0	0	0.36	0.08	0
S4-B-CTRL	0.09	10.71	0.03	0	0	0	0	0	0	0	0	0	0	0.3	0	0
S4-C-CTRL	0.08	9.19	0	0	0	0	0	0	0	0	0	0	0	0.26	0	0
S4-A-PPC	0	0.59	0	0	0	0	0	0.77	0	0	0	0	0	6.06	1.96	0
S4-B-PPC	0	0.94	0	0	0	0	0	0	0	0	0	0	0	6.92	1.41	0
S4-C-PPC	0	0.99	0	0	0	0	0	0.63	0	0	0	0	0	5.03	0.63	0
S4-A-PPI	0	1.83	0	0	0	0	0	0.16	0	0	0	0	0	0.92	0.19	0
S4-B-PPI	0	2.83	0	0	0	0	0	0.1	0	0	0	0	0	0.81	0.11	0
S4-C-PPI	0	2.15	0	0	0	0	0	0.4	0	0	0	0	0	1.55	0.37	0
S5-A-CTRL	1.2	0.37	0.31	0	0	0	0	0	0	8.73	0	0	0	3.58	1.84	0
S5-B-CTRL	1.43	0.22	0.22	0	0	0	0	0.6	0	7.18	0	0	0	3.37	1.94	0
S5-C-CTRL	1.04	0.33	0	0	0	0	0	0.84	0	8.77	0	0	0	3.53	2.42	0
S5-A-PPC	0	0	0	0	0	0	0	1.45	0	5.99	0	0	0	17.38	5.54	0
S5-B-PPC	0	0	0	0	0	0	0	2.19	0.42	6.85	0	0	0	20.26	6.88	0
S5-C-PPC	0	0	0	0	0	0	0	1.46	0	4.33	0	0	0	17.71	4.79	0
S5-A-PPI	0.36	0	0	0	0	0	0	1.24	0	6.39	0	0	0	13.29	3.69	0
S5-B-PPI	0.32	0	0	0	0	0	0	1.73	0.35	5.97	0	0	0	9.16	3.15	0
S5-C-PPI	0.24	0	0	0	0	0	0	0.86	0	4.33	0	0	0	8.12	2.82	0
S6-A-CTRL	0	0.27	0	0	0	0	0	0.38	0.32	0	0	0	0.43	0.78	0.3	0
S6-B-CTRL	0	0.19	0	0	0	0	0	0.26	0.34	0	0	0	0.75	0.76	0.39	0
S6-C-CTRL	0	0.2	0	0	0	0	0	0.25	0.24	0	0	0	0.4	0.64	0.48	0
S6-A-PPC	0	0.04	0	0	0	0	0	0.93	0.14	0.66	0	0	0	9.42	1.34	0
S6-B-PPC	0	0.03	0	0	0	0	0	1.11	0.19	0.81	0	0	0	11.16	1.48	0
S6-C-PPC	0	0.04	0	0	0	0	0	1.24	0.2	1.25	0	0	0	14.62	1.81	0
S6-A-PPI	0	0.14	0	0	0	0	0	1.01	0.14	0.62	0	0	0	3.33	0.75	0
S6-B-PPI	0	0.1	0	0	0	0	0	1.2	0.15	0.91	0	0	0.13	4.03	0.86	0
S6-C-PPI	0	0.11	0	0	0	0	0	1.3	0.11	0.81	0	0	0	2.97	0.62	0

Bacterial species	<i>Bifidobacterium</i> ruminantium	<i>Blifiphila</i> below species threshold	<i>Blifiphila</i> wadsworthia	<i>Blautia acetivignens</i>	<i>Blautia</i> below species threshold	<i>Blautia caecimuris</i>	<i>Blautia fusiformis</i>	<i>Blautia hansenii</i>	<i>Blautia intestinalis</i>	<i>Blautia multihit</i> species	<i>Blautia obeum</i>	<i>Blautia segnis</i>	<i>Blautia wexlerae</i>	<i>Bovifimicola</i> below species threshold	<i>Bradyrhizobium</i> below species threshold	<i>Brotaphodocola</i> below species threshold
S1-A-CTRL	0	0	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-A-PPC	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0
S1-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-C-PPI	0	0	0	0	0	0.09	0	0	0	0	0	0	0	0	0	0
S2-A-CTRL	0	0	0.03	0	0.17	0	0.03	0	0	0.03	0	0	0.02	0	0	0
S2-B-CTRL	0	0	0.02	0	0.1	0	0.02	0	0	0.02	0.02	0	0.02	0	0	0
S2-C-CTRL	0	0	0.02	0	0.14	0	0.02	0	0	0.02	0	0	0.02	0	0	0
S2-A-PPC	0	0	0.02	0	0.27	0	0.04	0	0	0.04	0.03	0	0.05	0	0	0
S2-B-PPC	0	0	0.01	0	0.22	0	0.03	0	0	0.03	0.02	0	0.04	0	0	0
S2-C-PPC	0	0	0	0	0.21	0	0.03	0	0	0.02	0.03	0	0.04	0	0	0
S2-A-PPI	0	0	0.02	0	0.24	0	0.04	0	0	0.05	0.03	0	0.05	0	0	0
S2-B-PPI	0	0	0	0	0.19	0	0.03	0	0	0.05	0.02	0	0.05	0	0	0
S2-C-PPI	0	0	0.02	0	0.31	0	0.02	0	0	0.08	0.04	0	0.06	0	0	0
S3-A-CTRL	0	0	0.12	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-A-PPC	0.05	0	0	0	0.08	0	0.02	0	0	0.02	0	0	0	0	0	0
S3-B-PPC	0.05	0	0	0	0.07	0	0	0	0	0	0	0	0	0	0	0
S3-C-PPC	0.06	0	0	0	0.09	0	0.03	0	0	0.02	0	0	0	0	0	0
S3-A-PPI	0	0	0	0	0.41	0	0	0	0	0	0	0	0	0	0	0
S3-B-PPI	0	0	0	0	0.29	0	0	0	0	0.07	0	0	0	0	0	0
S3-C-PPI	0	0	0	0	0.14	0	0	0	0	0	0	0	0	0	0	0
S4-A-CTRL	0	0	0.04	0	0.08	0	0	0	0	0	0	0	0	0	0	0
S4-B-CTRL	0	0	0.06	0	0.06	0	0	0	0	0	0	0	0	0	0	0
S4-C-CTRL	0	0	0	0	0.07	0	0	0	0	0	0	0	0	0	0	0
S4-A-PPC	0	0	0.25	0	0.33	0	0	0	0	0	0	0	0	0	0	0
S4-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-C-PPC	0	0	0	0	0.27	0	0	0	0	0	0	0	0	0	0	0
S4-A-PPI	0	0	0.05	0	0.08	0	0	0	0	0	0	0	0	0	0	0
S4-B-PPI	0	0	0	0	0.15	0	0	0	0	0	0	0	0	0	0	0
S4-C-PPI	0	0	0.04	0	0.08	0	0	0	0	0	0	0	0	0	0	0
S5-A-CTRL	0	0	0	0	0.31	0	0	0	0	0	0	0	0	0	0	0
S5-B-CTRL	0	0	0	0	0.34	0	0	0	0	0	0	0	0	0	0.2	0
S5-C-CTRL	0	0	0	0	0.53	0	0	0	0	0	0	0	0	0	0	0
S5-A-PPC	0	0	0	0	0.52	0	0	0	0	0.39	0	0	2.8	0	0	0
S5-B-PPC	0	0	0	0	0.24	0	0	0	0	0	0	0	1.09	0	0	0
S5-C-PPC	0	0	0	0	1.08	0	0	0	0	0.24	0	0	1.71	0	0	0
S5-A-PPI	0	0	0	0	0.26	0	0	0	0	0.21	0	0	0.25	0	0	0
S5-B-PPI	0	0	0	0	0.31	0	0	0	0	0	0	0	0.58	0	0	0
S5-C-PPI	0	0	0	0	0.34	0	0	0	0	0	0	0	0.32	0	0	0
S6-A-CTRL	0	0	0	0	0.25	0	0	0	0	0	0	0	0	0	0	0
S6-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-C-CTRL	0	0	0	0	0.19	0	0	0	0	0	0	0	0	0	0	0
S6-A-PPC	0	0	0	0	0.21	0	0.04	0	0	0.04	0.02	0	0.03	0	0	0
S6-B-PPC	0	0	0	0	0.18	0	0.06	0	0	0.03	0	0	0.03	0	0	0
S6-C-PPC	0	0	0	0.03	0.24	0	0.09	0	0	0.06	0	0.03	0.03	0	0	0
S6-A-PPI	0	0	0	0.06	0.19	0	0	0	0	0.08	0	0	0.06	0	0	0
S6-B-PPI	0	0	0	0	0.34	0	0	0	0	0.12	0	0	0.06	0	0	0
S6-C-PPI	0	0	0	0.06	0.29	0	0.05	0	0	0.12	0	0	0.08	0	0	0

Bacterial species	Brotoaceoccus below species threshold	Brotoaceoccus cirratena	Butyriacter below species threshold	Butyriacter intestini	Butyrivicoccus below species threshold	Butyrivicoccus faechominis	Butyrivicoccus pullicaeorum	Butyrivicomonas below species threshold	Butyrivicomonas faechominis	Butyrivicomonas multihit species	Butyrivicomonas paravirosa	Butyrivicomonas virosa	Butyrvibrio below species threshold	Cacibacteroides below species threshold	Caldicellulosirupor below species threshold	Capnocytophaga below species threshold
S1-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0.16	0	0	0	0
S1-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0.13	0	0	0	0
S2-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-A-PPC	0.02	0	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-B-PPC	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-C-PPC	0.02	0	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-A-PPI	0.05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-C-PPI	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-A-CTRL	0.27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-B-CTRL	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-A-PPC	0.05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-B-PPC	0.03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-C-PPC	0.03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-A-PPI	0.13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-B-PPI	0.08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-A-CTRL	0	0.06	0	0	0	0	0	0	0	0	0	0.05	0	0	0	0
S4-B-CTRL	0	0.12	0	0	0	0	0	0	0	0	0	0.06	0	0	0	0
S4-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0.09	0	0	0	0
S4-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-B-PPC	0	0.34	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-C-PPC	0.28	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-A-PPI	0	0.18	0	0	0	0	0	0	0	0	0	0.17	0	0	0	0
S4-B-PPI	0	0.13	0	0	0	0	0	0	0	0	0	0.08	0	0	0	0
S4-C-PPI	0	0.18	0	0	0	0	0	0	0	0	0	0.06	0	0	0	0
S5-A-CTRL	0	0	0	0	0	0	0	0	0	0	0.31	0	0	0	0	0
S5-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-A-CTRL	0.23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-B-CTRL	0.33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-C-CTRL	0.16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-A-PPC	0.06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-B-PPC	0.07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-C-PPC	0.07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-A-PPI	0.06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-B-PPI	0.15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-C-PPI	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

[illegible]

Bacterial species	[Clostridium] below species threshold	Clostridium fessum	Clostridium multihii species	Clostridium phocensis	Clostridium segne	Clostridium tertium	Cohnella below species threshold	Collinsella aerofaciens	Collinsella below species threshold	Congzhengia below species threshold	Coprobacter below species threshold	Coprobacter fastidiosus	Coprobacter secundus	Coprococcus aceti	Coprococcus ammoniitricus	Coprococcus below species threshold
S1-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-C-CTRL	0	0	0	0.23	0	0	0	0	0	0	0	0	0	0	0	0
S1-A-PPC	0	0	0	0	0	0	0	0.25	0	0	0	0	0	0	0	0.12
S1-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-A-PPI	0	0	0	0	0	0	0	1.12	0	0	0	0	0	0	0	0
S1-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-C-PPI	0	0	0	0	0	0	0	1.13	0	0	0	0	0	0	0	0
S2-A-CTRL	0	0	0	0.05	0	0	0	0	0	0	0	0	0	0	0	0
S2-B-CTRL	0	0	0	0.03	0	0	0	0	0	0	0	0	0	0	0	0
S2-C-CTRL	0	0	0	0.03	0	0	0	0	0	0	0	0	0	0	0	0
S2-A-PPC	0.02	0	0	0.08	0	0	0	0	0	0	0	0	0	0	0	0
S2-B-PPC	0	0.02	0	0.06	0	0	0	0	0	0	0	0	0	0	0	0.02
S2-C-PPC	0	0	0	0.02	0	0	0	0	0	0	0	0	0	0	0	0.03
S2-A-PPI	0	0	0	0.05	0	0	0	0	0	0	0	0	0	0	0	0.03
S2-B-PPI	0	0	0	0.07	0	0	0	0	0	0	0	0	0	0	0	0.03
S2-C-PPI	0	0.03	0	0.06	0	0	0	0	0	0	0	0	0	0	0	0.02
S3-A-CTRL	0	0	0	0	0	0	0	0.3	0	0	0	0	0	0	0	0
S3-B-CTRL	0	0	0	0	0	0	0	0.35	0	0	0	0	0	0	0	0
S3-C-CTRL	0	0	0	0	0	0	0	0.39	0	0	0	0	0	0	0	0
S3-A-PPC	0	0	0	0	0	0	0	0.47	0.04	0	0	0	0	0	0.16	0
S3-B-PPC	0	0	0	0	0	0	0	0.47	0.04	0	0	0	0	0	0.16	0
S3-C-PPC	0	0	0	0	0	0	0	0.49	0.03	0	0	0	0	0	0.13	0
S3-A-PPI	0	0	0	0	0	0.1	0	0.65	0	0	0	0	0	0	0.22	0
S3-B-PPI	0	0	0	0	0	0	0	0.53	0	0	0	0	0	0	0.23	0
S3-C-PPI	0	0	0	0	0	0	0	0.7	0	0	0	0	0	0	0.22	0
S4-A-CTRL	0	0	0	0	0	0	0	0	0	0	0.06	0	0.05	0	0	0
S4-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-C-CTRL	0	0	0	0	0	0.05	0	0	0	0	0.07	0	0	0	0	0
S4-A-PPC	0	0	0	0	0	0	0	1.09	0	0	0	0	0	0	0	0
S4-B-PPC	0	0	0	0	0	0	0	2.72	0	0	0	0	0	0	0	0
S4-C-PPC	0	0	0	0	0	0	0	0.81	0	0	0.25	0	0	0	0	0
S4-A-PPI	0	0	0	0	0	0	0	0	0	0	0.08	0	0.06	0	0	0
S4-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0	0	0
S4-C-PPI	0	0	0	0	0	0	0	0	0	0	0.07	0	0	0	0	0
S5-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0.42	0	0
S5-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0.49	0	0
S5-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0.6	0	0
S5-A-PPC	0	0	0	0	0	0	0	0.39	0	0	0	0	0	3.01	0	0
S5-B-PPC	0	0	0	0	0	0	0	0.74	0	0	0	0	0	2.45	0	0
S5-C-PPC	0	0	0	0	0	0	0	0.36	0	0	0	0	0	3.67	0	0.25
S5-A-PPI	0	0	0	0	0	0	0	0.3	0	0	0	0	0	0.51	0	0
S5-B-PPI	0	0	0	0	0	0	0	0.32	0	0	0	0	0	1.05	0	0
S5-C-PPI	0	0	0	0	0	0.13	0	0.27	0	0	0	0	0	0.4	0	0
S6-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0.03	0.03	0
S6-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.03	0
S6-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.15	0
S6-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.09	0.05

Bacterial species	Coprococcus caesus	Coprococcus comes	Coprococcus eutactus	Coprococcus intestinalis	Coprococcus multihabitans	Coprococcus phocaeensis	Corynebacterium below species threshold	Cronobacter below species threshold	Cutibacterium acnes	Cutibacterium below species threshold	Cutibacterium multihabitans	Cutibacterium namnetense	Dakarella below species threshold	Dakarella massiliensis	Desulfovibrio below species threshold	Desulfovibrio piger
S1-A-CTRL	0	0	0	0	0	1.76	0	0	0	0	0	0	0	0	0	0.52
S1-B-CTRL	0	0	0	0	0	1.04	0	0	0.48	0	0	0	0	0	0	0.74
S1-C-CTRL	0	0	0	0	0	2.21	0	0	1.6	0	0	0	0	0	0	0.79
S1-A-PPC	0	0	0	0	0	1.73	0	0	0.64	0	0	0	0	0	0	0
S1-B-PPC	0	0	0	0	0	2.6	0	0	0.25	0	0	0	0	0	0	0
S1-C-PPC	0	0	0	0	0	1.82	0	0	1.86	0	0	0	0	0	0	0.28
S1-A-PPI	0	0	0	0	0	1.61	0	0	0.26	0	0	0	0	0	0	0
S1-B-PPI	0	0	0	0	0	3	0	0	0.27	0	0	0	0	0	0	0.27
S1-C-PPI	0	0	0	0	0	1.84	0	0	0.19	0	0	0	0	0	0	0.12
S2-A-CTRL	0	0.02	0	0	0	0	0	0	0.16	0	0	0	0	0	0	0
S2-B-CTRL	0	0.02	0	0	0	0	0	0	0.18	0	0	0	0	0	0	0
S2-C-CTRL	0	0.04	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0
S2-A-PPC	0	0.04	0	0	0	0	0	0	0.88	0.03	0.03	0.05	0	0	0	0
S2-B-PPC	0	0.06	0	0	0	0	0	0	0.28	0	0	0	0	0	0	0
S2-C-PPC	0	0.07	0	0	0	0	0	0	0.11	0	0	0	0	0	0	0
S2-A-PPI	0	0.04	0	0	0	0	0	0	0.2	0	0	0	0	0	0	0
S2-B-PPI	0	0.06	0	0	0	0	0	0	0.22	0	0	0	0	0	0	0
S2-C-PPI	0	0.04	0	0	0	0	0	0	0.13	0	0	0	0	0	0	0
S3-A-CTRL	0	0.23	0	0	0	0	0	0	0.71	0	0	0	0	0	0	0
S3-B-CTRL	0	0.28	0	0	0	0	0	0	0.74	0	0	0	0	0	0	0
S3-C-CTRL	0	0.25	0	0	0	0	0	0	0.99	0	0	0	0	0	0	0
S3-A-PPC	0	0.1	0	0	0	0	0	0	0.36	0	0	0	0	0	0	0
S3-B-PPC	0	0.11	0	0	0	0	0	0	0.23	0	0	0	0	0	0	0
S3-C-PPC	0	0.09	0	0	0	0	0	0	0.35	0	0	0	0	0	0	0
S3-A-PPI	0	0.42	0	0	0	0	0	0	0.64	0	0	0	0.17	0.5	0	0
S3-B-PPI	0	0.37	0	0	0	0	0	0	0.63	0	0	0	0	0	0	0
S3-C-PPI	0	0.3	0	0	0	0	0	0	1.55	0	0	0	0	0.19	0	0
S4-A-CTRL	0	0	0	0	0	0	0	0	0.53	0	0	0	0	0	0	0
S4-B-CTRL	0	0	0	0	0	0	0	0	0.63	0	0	0	0	0.09	0	0
S4-C-CTRL	0	0	0	0	0	0	0	0	0.1	0	0	0	0.07	0.3	0	0
S4-A-PPC	0	0	0	0	0	0	0	0	5.46	0	0	0	0	0.66	0	0
S4-B-PPC	0	0	0	0	0	0	0	0	1.98	0	0	0	0.38	0.57	0	0
S4-C-PPC	0	0	0	0	0	0	0	0	1.7	0	0	0	0.46	0.96	0	0
S4-A-PPI	0	0	0	0	0	0	0	0	0.14	0	0	0	0.11	0.36	0	0
S4-B-PPI	0	0	0	0	0	0	0	0	0.33	0	0	0	0.32	0.6	0	0
S4-C-PPI	0	0	0	0	0	0	0	0	2.31	0.09	0	0	0	0.18	0	0
S5-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-B-CTRL	0	0	0	0	0	0	0	0	10.23	0	0	0	0	0	0	0
S5-C-CTRL	0	0	0	0	0	0	0	0	5.48	0	0	0	0	0	0	0
S5-A-PPC	0	0	0	0	0	0	0	0	2.19	0	0	0	0	0	0	0
S5-B-PPC	0	0	0	0	0	0	0	0	1.21	0	0	0	0	0	0	0
S5-C-PPC	0	0.27	0	0	0	0	0	0	0.32	0	0	0	0	0	0	0
S5-A-PPI	0	0	0	0	0	0	0	0	5.47	0	0	0	0	0	0	0
S5-B-PPI	0	0	0	0	0	0	0	0	0.43	0	0	0	0	0	0	0
S5-C-PPI	0	0.19	0	0	0	0	0	0	1.87	0	0	0	0	0	0	0
S6-A-CTRL	0	0	0	0	0	0	0	0	0.25	0	0	0	0	0	0	0
S6-B-CTRL	0	0	0	0	0	0	0	0.14	0.48	0	0	0	0	0	0	0
S6-C-CTRL	0	0	0	0	0	0	0	0	0.67	0	0	0	0	0	0	0
S6-A-PPC	0	0.05	0	0	0	0	0	0	0.03	0	0	0	0	0	0	0
S6-B-PPC	0	0	0	0	0	0	0	0	0.07	0	0	0	0	0	0	0
S6-C-PPC	0	0.03	0	0	0	0	0	0	0.05	0	0	0	0	0	0	0
S6-A-PPI	0	0.06	0	0	0	0	0	0	0.17	0	0	0	0	0	0	0
S6-B-PPI	0	0.1	0	0	0	0	0	0	0.23	0	0	0	0	0	0	0
S6-C-PPI	0	0.06	0	0	0	0	0	0	0.22	0	0	0	0	0	0	0

Bacterial species	Dialister below species threshold	Dialister hominis	Dialister invisus	Dialister massiliensis	Dialister multihit species	Dialister succinatiphilus	Dielma fastidiosa	Diplocloster below species threshold	Dorea ammonilytica	Dorea anylophila	Dorea below species threshold	Dorea formicigenans	Dorea longicatena	Dorea multihit species	Duncaniella below species threshold	Dysgonomonas below species threshold
S1-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-C-CTRL	0	0	0	0	0	0	0	0	0	0.4	0	0	0	0	0	0
S1-A-PPC	0	0	0	0	0	0	0	0	0	0.95	0	0	0	0.34	0	0
S1-B-PPC	0	0	0	0	0	0	0	0	0	0.6	0	0	0	0.24	0	0
S1-C-PPC	0	0	0	0	0	0	0	0	0	0.48	0	0	0	0.34	0	0
S1-A-PPI	0	0	0	0	0	0	0	0	0	0.6	0	0	0	0.4	0	0
S1-B-PPI	0	0	0	0	0	0	0	0	0	0.79	0	0	0	0.3	0	0
S1-C-PPI	0	0	0	0	0	0	0	0	0	0.47	0	0	0.12	0.39	0	0
S2-A-CTRL	0.05	0	0.84	0	0	0	0	0	0	0	0	0	0.12	0.06	0	0
S2-B-CTRL	0.03	0	0.77	0	0	0	0	0	0	0	0	0	0.03	0.04	0	0
S2-C-CTRL	0.03	0	0.81	0	0	0	0	0	0	0	0	0	0.09	0.05	0	0
S2-A-PPC	0.05	0	1.39	0	0	0	0	0	0.03	0	0.04	0.03	0.46	0.15	0	0
S2-B-PPC	0.06	0	1.4	0	0	0	0	0	0	0	0.03	0.02	0.33	0.12	0	0
S2-C-PPC	0.06	0	1.28	0	0	0	0	0	0	0	0.03	0.02	0.35	0.15	0	0
S2-A-PPI	0.06	0	0.7	0	0	0	0	0	0	0	0.04	0.03	0.26	0.12	0	0
S2-B-PPI	0	0	0.76	0	0	0	0	0	0	0	0.03	0	0.37	0.19	0	0
S2-C-PPI	0.03	0	0.88	0	0	0	0	0	0	0	0.02	0.02	0.4	0.17	0	0
S3-A-CTRL	0	0.49	0	0.4	2.38	0	0	0	0	0	0	0	0	0	0	0
S3-B-CTRL	0	0	0	0	1.19	0	0	0	0	0	0	0	0	0	0	0
S3-C-CTRL	0	0.72	0	0.52	2.85	0	0	0	0	0	0	0	0	0	0	0
S3-A-PPC	0	0	0	0	0.07	0	0	0	0	0	0	0	0.09	0.02	0	0
S3-B-PPC	0	0	0	0	0.07	0	0	0	0	0	0	0	0.06	0.03	0	0
S3-C-PPC	0	0	0	0	0.05	0	0	0	0	0	0	0	0.06	0.02	0	0
S3-A-PPI	0	0.29	0	0	0.96	0	0	0	0	0	0	0	0.27	0	0	0
S3-B-PPI	0	0	0	0	0.42	0	0	0	0	0	0	0	0.1	0	0	0
S3-C-PPI	0	0.17	0	0	0.43	0	0	0	0	0	0	0	0.12	0	0	0
S4-A-CTRL	0	0	0.23	0	0	0	0.1	0	0	0	0	0	0	0	0	0
S4-B-CTRL	0	0	0.36	0	0	0	0.12	0	0	0	0	0	0	0	0	0
S4-C-CTRL	0	0	0.42	0	0	0	0.13	0	0	0	0	0	0	0	0	0
S4-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-C-PPC	0	0	0.49	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-A-PPI	0	0	0.14	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-C-PPI	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-A-CTRL	0	0	3.48	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-B-CTRL	0	0	1.26	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-CTRL	0	0	2.43	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0.29	0	0	0
S5-A-PPI	0	0	0.47	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-B-PPI	0	0	0.68	0	0	0	0	0	0	0	0	0	0.18	0	0	0
S5-C-PPI	0	0	0.5	0	0	0	0	0	0	0	0	0	0.15	0	0	0
S6-A-CTRL	5.33	0	0	0	0	1.17	0	0	0	0	0	0	0	0	0	0
S6-B-CTRL	7.34	0	0	0	0	1.21	0	0	0	0	0	0	0	0	0	0
S6-C-CTRL	8.08	0	0	0	0	1.87	0	0	0	0	0	0	0	0	0	0
S6-A-PPC	2.21	0	0	0	0	0.41	0	0	0	0	0	0	0.12	0.04	0	0
S6-B-PPC	2.37	0	0	0	0	0.51	0	0	0	0	0	0	0.19	0.04	0	0
S6-C-PPC	2.75	0	0	0	0	0.64	0	0	0	0	0	0	0.22	0.05	0	0
S6-A-PPI	6.39	0	0	0	0	1.41	0	0	0	0	0	0	0.45	0.11	0	0
S6-B-PPI	6.53	0	0	0	0	1.51	0	0	0	0	0	0	0.49	0	0	0
S6-C-PPI	6.8	0	0	0	0	1.16	0	0	0	0	0	0	0.41	0.14	0	0

[illegible]

[illegible]

Bacterial species	Enteroloster below species threshold	Enteroloster bolleae	Enteroloster citroniae	Enteroloster lavalensis	Enterococcus below species threshold	Enterococcus casseliflavus	Enterococcus durans	Enterococcus faecalis	Enterococcus faecium	Enterococcus hirae	Enterococcus italicus	Enterococcus lactis	Enterococcus multihit species	Enterococcus villorum	Escherichia albertii	Escherichia below species threshold
S1-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.54
S1-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.33	3.24
S1-C-CTRL	0.17	0.17	0	0	0	0	0	0	0	0	0	0	0	0	0.24	2.33
S1-A-PPC	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.12	1.76
S1-B-PPC	0.09	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	1.87
S1-C-PPC	0.09	0	0	0	0	0	0	0	0	0	0	0	0	0	0.08	1.58
S1-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.15	2.36
S1-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	2.53
S1-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.13	1.17
S2-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02	0.23
S2-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.05	0.36
S2-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02	0.24
S2-A-PPC	0.01	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0.02	0.16
S2-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.03	0.2
S2-C-PPC	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0.12
S2-A-PPI	0.02	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0.26
S2-B-PPI	0.01	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0.15
S2-C-PPI	0.01	0	0	0	0	0	0	0	0.02	0	0	0	0	0	0	0.15
S3-A-CTRL	0	0	0	0	0.55	0	0.2	0	10.29	0	0	0.37	0.03	0	0.41	2.9
S3-B-CTRL	0	0	0	0	0.72	0	0.44	0	10.34	0	0	0.29	0.02	0	0.42	4.25
S3-C-CTRL	0	0	0	0	0.83	0	0.55	0	11.93	0	0	0	0.02	0	0.49	3.48
S3-A-PPC	0	0	0	0	0.63	0.07	0.17	0	6.23	0.09	0	0.24	0.04	0	0.03	0.24
S3-B-PPC	0	0	0	0	0.67	0.07	0.15	0.03	6.62	0.1	0	0.31	0.04	0	0.04	0.3
S3-C-PPC	0	0	0	0	0.53	0.07	0.13	0	6.12	0.09	0	0.28	0.04	0	0.04	0.25
S3-A-PPI	0	0	0	0	0.81	0	1.07	0	20.44	0	0	0.51	0.07	0	0.24	2.94
S3-B-PPI	0	0	0	0	1.32	0.09	1.64	0	24.88	0.23	0	0.63	0.15	0	0.13	2.55
S3-C-PPI	0	0	0	0	1.02	0	1.37	0	30.27	0.21	0	0.72	0.16	0	0.15	1.78
S4-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.11	0.49
S4-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.08	0.44
S4-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.09	0.42
S4-A-PPC	0	0	0	0	0	0	0	0	1.9	0	0	0	0	0	0.93	4.04
S4-B-PPC	0	0	0	0	0.52	0	0	0	3.67	0	0	0	0	0	0.65	3.59
S4-C-PPC	0	0	0	0	0	0	0	0	0.62	0	0	0	0	0	0.74	3.28
S4-A-PPI	0	0	0	0	0.07	0	0	0	0.07	0	0	0	0	0	0.15	0.69
S4-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.09	0.46
S4-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.48
S5-A-CTRL	0	0	0	0	0	0	0	0	0	0.36	0	0	0	0	0.64	3.22
S5-B-CTRL	0	0	0	0	0	0	0	0	0	0.59	0	0	0	0	0.62	3.94
S5-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.91	3.66
S5-A-PPC	0	0	0	0	0	0	0	0	0	0.38	0	0	0	0	0.55	2.83
S5-B-PPC	0	0	0	0	0	0	0	0	0	0.33	0	0	0	0	0.86	2.92
S5-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.75	2.73
S5-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.47	2.49
S5-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	1.78
S5-C-PPI	0	0	0	0	0	0	0	0	0	0.25	0	0	0	0	0.42	1.29
S6-A-CTRL	0	0	0	0	1.38	0	1.31	33.7	0.94	0	0	0.5	0	0	0.56	12.48
S6-B-CTRL	0	0	0	0	2.2	0	2.28	40.65	0.88	0	0	0.69	0	0	0.61	7.63
S6-C-CTRL	0	0	0	0	1.81	0	1.95	40.31	1.18	0	0	0.62	0.01	0	0.45	7.02
S6-A-PPC	0	0	0	0	1.28	0.06	0.19	13.44	10.93	0.07	0	2.65	0.36	0.03	0.02	0.94
S6-B-PPC	0	0	0	0	1.36	0.08	0.22	13.78	11.34	0.17	0	2.72	0.38	0	0.04	1.11
S6-C-PPC	0	0	0	0	1.67	0.09	0.26	14.13	12.11	0.1	0.07	2.73	0.39	0.06	0.03	1.14
S6-A-PPI	0	0	0	0	1.3	0	0.29	31.23	7.99	0.11	0	1.95	0.22	0	0.12	3.13
S6-B-PPI	0	0	0	0	1.36	0	0.37	37.69	9.45	0.27	0	2.24	0.24	0	0.18	2.79
S6-C-PPI	0	0	0	0	1.67	0.07	0.26	35.53	10.07	0.1	0	2.18	0.27	0	0.12	2.84

Bacterial species	Escherichia coli	Escherichia fergusonii	Escherichia multihit species	Eshaghiella below species threshold	Eshaghiella crossota	Eubacterium album	Eubacterium below species threshold	Eubacterium ramulus	Eubacterium segne	Eubacterium ventriosum	Evtepia below species threshold	Evtepia gabavorous	Faecalibacillus below species threshold	Faecalibacillus intestinalis	Faecalibacterium below species threshold	Faecalibacterium duncaniae
S1-A-CTRL	0.58	0.23	0.11	0	0	0	0	0	0	0.32	0	0	0	0	0	0
S1-B-CTRL	0.59	0.24	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-C-CTRL	0.56	0.21	0.1	0	0	0	0	0	0	0.48	0	0	0	0	0	0
S1-A-PPC	0.5	0.13	0.1	0	0	0	0	0	0	0.69	0	0	0	0	0	0.14
S1-B-PPC	0.5	0.12	0.09	0	0	0	0	0	0	1.18	0	0	0	0	0.16	0
S1-C-PPC	0.49	0	0.09	0	0	0	0	0	0	0.73	0	0	0	0	0	0.19
S1-A-PPI	0.56	0	0.09	0	0	0	0	0	0	0.27	0	0	0	0	0	0
S1-B-PPI	0.57	0.14	0.1	0	0	0	0	0	0	0.62	0	0	0	0	0	0
S1-C-PPI	0.48	0.12	0.09	0	0	0	0	0	0	0.6	0	0	0	0	0	0
S2-A-CTRL	0.01	0.03	0	0	0	0	0	0	0	0.03	0	0	0	0	0.46	0.17
S2-B-CTRL	0.02	0.04	0	0	0	0	0	0	0	0.03	0	0	0	0	0.34	0.12
S2-C-CTRL	0.01	0.03	0	0	0	0	0	0	0	0.05	0	0	0	0	0.35	0.14
S2-A-PPC	0.01	0.01	0	0	0	0	0.07	0	0	0.07	0	0	0	0	0.43	0.62
S2-B-PPC	0.01	0.02	0	0	0	0	0.06	0	0	0.06	0	0	0	0	0.42	0.6
S2-C-PPC	0	0	0	0	0	0	0.06	0	0	0.07	0	0	0	0	0.35	0.53
S2-A-PPI	0.01	0.03	0	0	0	0	0.06	0	0	0	0	0	0	0	0.33	0.75
S2-B-PPI	0.01	0.02	0	0	0	0	0.06	0	0	0.06	0	0	0	0	0.27	0.72
S2-C-PPI	0	0.01	0	0	0	0	0.06	0	0	0.04	0	0	0	0	0.29	0.64
S3-A-CTRL	0.3	4.75	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-B-CTRL	0.36	9.03	0.11	0	0	0	0	0	0	0	0	0	0	0	0.33	0
S3-C-CTRL	0.36	6.04	0.11	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-A-PPC	0.05	0.29	0.01	0	0	0	0.03	0	0	0	0	0	0	0	0.09	0.06
S3-B-PPC	0.06	0.33	0.01	0	0	0	0.02	0	0	0	0	0	0	0	0.07	0.05
S3-C-PPC	0.06	0.35	0.01	0	0	0	0	0	0	0	0	0	0	0	0.07	0.04
S3-A-PPI	0.33	4.37	0.07	0	0	0	0	0	0	0	0	0	0	0	0.2	0.21
S3-B-PPI	0.16	4.88	0.05	0	0	0	0	0	0	0	0	0	0	0	0.2	0.16
S3-C-PPI	0.19	3.7	0.06	0	0	0	0	0	0	0	0	0	0	0	0.26	0.2
S4-A-CTRL	0.31	0.08	0.06	0	0	0	0	0	0	0	0	0	0	0	0.08	0
S4-B-CTRL	0.3	0.1	0.06	0	0	0	0	0	0	0	0	0	0	0	0.09	0
S4-C-CTRL	0.29	0.09	0.06	0	0	0	0	0	0	0	0	0	0	0	0.09	0
S4-A-PPC	0.58	0.49	0.12	0	0	0	0.3	0	0	0	0	0	0	0	1.25	1.23
S4-B-PPC	0.57	0.53	0.12	0	0	0	0	0	0	0	0	0	0	0	1.44	1.1
S4-C-PPC	0.56	0.72	0.11	0	0	0	0	0	0	0	0	0	0	0	0.88	0.74
S4-A-PPI	0.33	0.12	0.07	0	0	0	0	0	0	0	0	0	0	0	0.28	0.24
S4-B-PPI	0.31	0.09	0.06	0	0	0	0	0	0	0	0	0	0	0	0.19	0.1
S4-C-PPI	0.31	0.11	0.06	0	0	0	0	0	0	0	0	0	0	0	0.22	0.19
S5-A-CTRL	0.59	1.36	0.11	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-B-CTRL	0.6	1.11	0.11	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-CTRL	0.61	1.38	0.11	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-A-PPC	0.58	1.32	0.11	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-B-PPC	0.59	1.36	0.12	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-PPC	0.58	1.05	0.12	0	0	0	0	0	0	0	0	0	0	0	0.27	0
S5-A-PPI	0.56	0.62	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-B-PPI	0.55	0.77	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-PPI	0.53	0.46	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-A-CTRL	0.45	2.32	0.09	0	0	0	0	0	0	0	0	0	0	0	0.43	0
S6-B-CTRL	0.48	1.88	0.08	0	0	0	0	0	0	0	0	0	0	0	0.44	0
S6-C-CTRL	0.45	1.52	0.09	0	0	0	0	0	0	0	0	0	0	0	0.44	0
S6-A-PPC	0.04	0.14	0.01	0	0	0	0	0	0	0	0	0	0	0	0.12	0.03
S6-B-PPC	0.04	0.1	0.01	0	0	0	0	0	0	0.04	0	0	0	0	0.13	0
S6-C-PPC	0.04	0.15	0.01	0	0	0	0	0	0	0	0	0	0	0	0.16	0.04
S6-A-PPI	0.17	0.45	0.03	0	0	0	0	0	0.07	0.13	0	0	0	0	0.26	0.12
S6-B-PPI	0.19	0.55	0.03	0	0	0	0	0	0	0	0	0	0	0	0.43	0
S6-C-PPI	0.16	0.55	0.03	0	0	0	0	0	0.06	0.14	0	0	0	0	0.27	0.1

Bacterial species	<i>Faecalibacterium faecis</i>	<i>Faecalibacterium hafforii</i>	<i>Faecalibacterium intestinale</i>	<i>Faecalibacterium multihii</i> species	<i>Faecalibacterium prausnitzii</i>	<i>Faecalibacterium taiwanense</i>	<i>Faecalibacterium tardum</i>	<i>Faecalibacterium wellingii</i>	<i>Faecalicatena below species threshold</i>	<i>Faecalicatena conforta</i>	<i>Faecalicoccus below species threshold</i>	<i>Faecalicoccus pleomorphus</i>	<i>Faecalispora below species threshold</i>	<i>Faecocisia below species threshold</i>	<i>Faecocisia intestinalis</i>	<i>Feifania below species threshold</i>
S1-A-CTRL	0	0	0	0	0.36	0	0	0	0	0	0	0	0	0	0	0
S1-B-CTRL	0	0	0	0	0.36	0	0	0	0	0	0	0	0	0	0	0
S1-C-CTRL	0	0	0	0	0.33	0	0	0	0	0	0	0	0	0	0	0
S1-A-PPC	0	0	0	0	0.21	0	0	0	0	0	0	0	0	0	0	0
S1-B-PPC	0	0	0	0	0.3	0	0	0	0	0	0	0	0	0	0	0
S1-C-PPC	0	0	0	0.2	0.28	0.13	0	0	0	0	0	0	0	0	0	0
S1-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-B-PPI	0	0	0	0	0.27	0	0	0	0	0	0	0	0	0	0	0
S1-C-PPI	0	0	0	0.12	0.2	0	0	0	0	0	0	0	0	0	0	0
S2-A-CTRL	0.12	0.02	0.01	0.9	0.34	0.61	0	1.02	0	0	0	0	0	0.02	0	0
S2-B-CTRL	0.12	0	0	0.78	0.34	0.59	0	0.86	0	0	0	0	0	0.02	0	0
S2-C-CTRL	0.13	0.02	0	0.74	0.3	0.51	0	0.86	0	0	0	0	0	0.02	0	0
S2-A-PPC	0.14	0	0	0.84	0.39	0.53	0	1.05	0.01	0	0	0	0	0.05	0	0
S2-B-PPC	0.13	0.02	0	0.87	0.37	0.58	0	0.96	0	0	0	0	0	0.03	0	0
S2-C-PPC	0.12	0	0	0.66	0.27	0.42	0	0.9	0	0	0	0	0	0	0	0
S2-A-PPI	0.11	0	0	0.8	0.36	0.47	0	0.9	0	0	0	0	0	0.05	0	0
S2-B-PPI	0.15	0	0	0.69	0.37	0.51	0	1.04	0	0	0	0	0	0.03	0	0
S2-C-PPI	0.12	0	0	0.84	0.29	0.47	0	0.92	0	0	0	0	0	0.04	0	0
S3-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-B-CTRL	0	0	0	0.29	0	0	0	0	0	0	0	0	0	0	0	0
S3-C-CTRL	0	0	0	0.22	0.24	0.3	0	0	0	0	0	0	0	0	0	0
S3-A-PPC	0	0	0	0.07	0.03	0.06	0	0	0	0	0	0.08	0	0.02	0	0
S3-B-PPC	0.02	0	0	0.09	0.03	0.03	0	0	0	0	0	0.05	0	0	0.03	0
S3-C-PPC	0	0	0	0.08	0.03	0.03	0	0	0	0	0	0.07	0	0	0.03	0
S3-A-PPI	0	0	0	0.24	0	0.17	0	0	0	0	0	0	0	0.14	0	0
S3-B-PPI	0	0	0	0.13	0	0.13	0	0	0	0	0	0.11	0	0	0	0
S3-C-PPI	0	0	0	0.18	0	0	0	0	0	0	0	0	0	0	0	0
S4-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-A-PPC	0	0	0	0.61	0	0	0	0	0	0	0	0	0	0.39	0	0
S4-B-PPC	0	0	0	0.44	0.33	0	0	0	0	0	0	0	0	0	0	0
S4-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0.34	0	0
S4-A-PPI	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0.09	0	0
S4-B-PPI	0	0	0	0.09	0	0	0	0	0	0	0	0	0	0.09	0	0
S4-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-A-CTRL	0	0	0	0	0	0	0	0	0	0.22	0	0	0	0	0	0
S5-B-CTRL	0	0	0	0	0	0	0	0	0	0.26	0	0	0	0	0	0
S5-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-PPC	0	0	0	0	0	0	0	0	0	0.17	0	0	0	0	0	0
S5-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-A-CTRL	0	0	0	0.27	0	0.2	0	0.36	0	0	0	0	0	0.24	0	0
S6-B-CTRL	0	0	0	0.27	0.2	0.26	0	0	0	0	0	0	0	0	0	0
S6-C-CTRL	0	0	0	0.31	0.17	0	0	0	0	0	0	0	0	0	0	0
S6-A-PPC	0	0	0	0.07	0.07	0.04	0	0.05	0	0	0	0	0	0.04	0	0
S6-B-PPC	0	0	0	0.08	0.09	0.08	0	0.05	0	0	0	0	0	0	0	0
S6-C-PPC	0.04	0	0	0.06	0.07	0.06	0	0.05	0	0	0	0	0	0.05	0	0
S6-A-PPI	0	0	0	0.13	0.17	0.11	0	0.11	0	0	0	0	0	0.11	0	0
S6-B-PPI	0	0	0	0.18	0.13	0.19	0	0.11	0	0	0	0	0	0.13	0	0
S6-C-PPI	0	0	0	0.14	0.19	0.18	0	0.1	0	0	0	0	0	0.08	0	0

[illegible]

Bacterial species	Gabonibacter massiliensis	Gallatiistipes below species threshold	Gallintestinimicrobiu m below species threshold	Gallintestinimicrobiu m propionicum	Gehongia below species threshold	Gemmiger below species threshold	Gemmiger fornicilis	Guopingia below species threshold	Haemophilus parainfluenzae	Hafnia alvei	Hafnia paralvei	Hallella absiana	Hallella below species threshold	Hallella faecis	Hallella mizrahi	Hallella multihit species
S1-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-C-CTRL	0	0	0	0	0	0	0.37	0	0	0	0	0	0	0	0	0
S1-A-PPC	0	0	0	0	0	0	0.18	0	0	0	0	0	0	0	0	0
S1-B-PPC	0	0	0	0	0	0	0.22	0	0	0	0	0	0	0	0	0
S1-C-PPC	0	0	0	0	0	0	0.16	0	0	0	0	0	0	0	0	0
S1-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-B-PPI	0	0	0	0	0	0	0.31	0	0	0	0	0	0	0	0	0
S1-C-PPI	0	0	0	0	0	0	0.16	0	0	0	0	0	0	0	0	0
S2-A-CTRL	0	0	0	0	0	0.04	0.03	0	0	0	0.09	0	0	0	0	0
S2-B-CTRL	0	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0	0
S2-C-CTRL	0	0	0	0	0	0.04	0.03	0	0	0	0.05	0	0	0	0	0
S2-A-PPC	0	0	0	0	0	0.07	0.04	0	0.04	0	0	0	0	0	0	0
S2-B-PPC	0	0	0	0	0	0.06	0.02	0	0	0.02	0.06	0	0	0	0	0
S2-C-PPC	0	0	0	0	0	0.05	0.02	0	0	0.01	0.02	0	0	0	0	0
S2-A-PPI	0	0	0	0	0	0.04	0	0	0	0	0.03	0	0	0	0	0
S2-B-PPI	0	0	0	0	0	0.06	0.03	0	0	0.01	0.11	0	0	0	0	0
S2-C-PPI	0	0	0	0	0	0.07	0.03	0	0	0	0.04	0	0	0	0	0
S3-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-A-PPC	0	0	0	0	0	0.03	0.1	0	0	0	0	0	0.02	0	0	0
S3-B-PPC	0	0	0	0	0	0.05	0.07	0	0	0	0	0	0.03	0	0	0
S3-C-PPC	0	0	0	0	0	0.04	0.07	0	0	0	0	0	0.02	0	0	0
S3-A-PPI	0	0	0	0	0	0.14	0.11	0	0	0	0	0	0	0	0	0
S3-B-PPI	0	0	0	0	0	0.11	0.15	0	0	0	0	0	0	0	0	0
S3-C-PPI	0	0	0	0	0	0.13	0.13	0	0	0	0	0	0	0	0	0
S4-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-A-CTRL	0	0	0	0	0	0	0.4	0	0	0	0	0	0.26	0	0	0
S5-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-CTRL	0	0	0	0	0	0	0.53	0	0	0	0	0	0	0	0	0
S5-A-PPC	0	0	0	0	0	0.27	0.98	0	0	0	0	0	0	0	0	0
S5-B-PPC	0	0	0	0	0	0	1.24	0	0	0	0	0	0	0	0	0
S5-C-PPC	0	0	0	0	0	0.32	0.79	0	0	0	0	0	0	0	0	0
S5-A-PPI	0	0	0	0	0	0	0.54	0	0	0	0	0	0	0	0	0
S5-B-PPI	0	0	0	0	0	0	0.74	0	0	0	0	0	0	0	0	0
S5-C-PPI	0	0	0	0	0	0.15	0.55	0	0	0	0	0	0	0	0	0
S6-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-A-PPC	0	0	0	0	0	0.04	0	0	0	0	0	0	0.12	0	0	0
S6-B-PPC	0	0	0	0	0	0.04	0	0	0	0	0	0	0.06	0	0	0
S6-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0.11	0	0	0
S6-A-PPI	0	0	0	0	0	0.06	0	0	0	0	0	0	0	0	0	0
S6-B-PPI	0	0	0	0	0	0.1	0	0	0	0	0	0	0.06	0	0	0
S6-C-PPI	0	0	0	0	0	0.06	0	0	0	0	0	0	0.06	0	0	0

Bacterial species	Hallella multisaccharivorax	Harryflintia below species threshold	Heminiphilus below species threshold	Holdmania below species threshold	Holdmania filiformis	Holdmania massiliensis	Hominenteromicrobium below species threshold	Hominenteromicrobium mulleris	Hominifimeneus below species threshold	Hominifimeneus microfluidus	Hominilimicola below species threshold	Hominilimicola fabiformis	Hominisplancheus below species threshold	Hominisplancheus facis	Hominiventricola aquisgranensis	Hominiventricola below species threshold
S1-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-A-CTRL	0	0	0	0	0	0	0	0.02	0	0	0	0.04	0	0	0	0
S2-B-CTRL	0	0	0	0	0	0	0	0.02	0	0	0	0.02	0	0	0	0
S2-C-CTRL	0	0	0	0	0	0	0	0.03	0	0	0	0.03	0	0	0	0
S2-A-PPC	0	0	0	0	0	0	0	0.14	0	0	0	0.03	0	0	0	0
S2-B-PPC	0	0	0	0	0	0.02	0	0.11	0	0	0	0.03	0	0	0	0
S2-C-PPC	0	0	0	0	0	0	0	0.05	0	0	0	0.03	0	0	0	0
S2-A-PPI	0	0	0	0	0	0	0	0.07	0	0	0	0.03	0	0	0	0
S2-B-PPI	0	0	0	0	0	0.02	0	0.04	0	0	0	0.03	0	0	0	0
S2-C-PPI	0	0	0	0	0	0	0	0.07	0	0	0	0.04	0	0	0	0
S3-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-A-PPC	0	0	0	0.02	0	0	0	0	0	0	0	0	0	0	0	0
S3-B-PPC	0	0	0	0.02	0	0	0	0	0	0	0	0	0	0	0	0
S3-C-PPC	0	0	0	0.02	0	0	0	0	0	0	0	0	0	0	0	0
S3-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0.05	0	0.05

[illegible]

Bacterial species	Jutongia below species threshold	Jutongia hominis	Jutongia huaiensis	Klebsiella aerogenes	Klebsiella below species threshold	Klebsiella grimontii	Klebsiella michiganensis	Klebsiella multihit species	Klebsiella oxytoca	Klebsiella pneumoniae	Klebsiella quasipneumoniae	Klebsiella spallanzanii	Klebsiella varicola	Kluyvera multihit species	Kosakonia below species threshold	Kosakonia sucharii
S1-A-CTRL	0	0	0	0	0	0	0	0.61	0	0	0	0	0.25	0	0	0.24
S1-B-CTRL	0	0	0	0	0	0	0	0.29	0	0	0	0	0.23	0	0.19	0.21
S1-C-CTRL	0	0	0	0	0	0	0	0.34	0	0	0	0	0	0	0	0.22
S1-A-PPC	0	0	0	0	0	0	0	0.34	0	0	0	0	0	0	0	0
S1-B-PPC	0	0	0	0	0.11	0	0	0.4	0	0	0	0	0	0	0	0
S1-C-PPC	0	0	0	0	0	0	0	0.4	0	0	0	0	0	0	0	0.11
S1-A-PPI	0	0	0	0	0	0	0	0.44	0	0	0	0	0	0	0	0.14
S1-B-PPI	0	0	0	0	0	0	0	0.34	0	0	0	0	0	0	0	0
S1-C-PPI	0	0	0	0	0	0	0	0.22	0	0	0	0	0	0	0	0
S2-A-CTRL	0	0.02	0	0.02	0.11	0.04	5.3	0.65	0.02	0.03	0.02	0.01	0.02	0	0	0
S2-B-CTRL	0	0	0	0.02	0.15	0.04	7.33	0.91	0.03	0.02	0.01	0.01	0.02	0.01	0	0
S2-C-CTRL	0	0.02	0	0.03	0.11	0.04	5.75	0.79	0.03	0.03	0.02	0.01	0.02	0	0	0
S2-A-PPC	0.06	0.09	0	0.02	0.05	0.02	1.82	0.29	0.01	0.02	0.02	0	0.01	0	0	0
S2-B-PPC	0.05	0.06	0	0	0.05	0.02	1.95	0.29	0	0.01	0.01	0	0.01	0	0	0
S2-C-PPC	0.04	0.06	0	0.01	0.04	0.01	1.56	0.23	0	0.01	0.01	0.01	0	0	0	0
S2-A-PPI	0.04	0.05	0	0.03	0.12	0.03	6.61	0.89	0.03	0.02	0.02	0.01	0.02	0	0	0
S2-B-PPI	0.04	0.06	0	0.03	0.18	0.05	8.02	0.98	0.03	0.04	0.02	0.02	0.04	0.02	0	0
S2-C-PPI	0.03	0.06	0	0.04	0.15	0.05	7.29	0.87	0.04	0.05	0.02	0.01	0.03	0.01	0	0
S3-A-CTRL	0	0	0	0	0	0	0	0.17	0	0	0	0	0	0	0	0
S3-B-CTRL	0	0	0	0	0	0	0	0.24	0	0	0	0	0	0	0	0
S3-C-CTRL	0	0	0	0	0	0	0	0.22	0	0	0	0	0	0	0	0
S3-A-PPC	0	0	0	0	0	0	0	0.04	0	0	0	0	0	0	0	0
S3-B-PPC	0	0	0	0	0	0	0	0.05	0	0	0	0	0	0	0	0
S3-C-PPC	0	0	0	0	0	0	0	0.04	0	0	0	0	0	0	0	0
S3-A-PPI	0	0	0	0	0	0	0	0.12	0	0	0	0	0	0	0	0
S3-B-PPI	0	0	0	0	0	0	0	0.17	0	0	0	0	0	0	0	0
S3-C-PPI	0	0	0	0	0	0	0	0.18	0	0	0	0	0	0	0	0
S4-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-A-PPC	0.35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-A-CTRL	0	0	0	0	0	0	0.09	0	0	0	0	0	0	0	0	0
S6-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-A-PPC	0	0	0	0	0	0	0	0.02	0	0	0	0	0	0	0	0
S6-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-B-PPI	0	0	0	0	0	0	0.03	0.05	0	0	0	0	0	0	0	0
S6-C-PPI	0	0	0	0	0	0	0.03	0.04	0	0	0	0	0	0	0	0

Bacterial species	Lachnoclostridium below species threshold	Lachnospira below species threshold	Lachnospira eligens	Lacrimispora below species threshold	Lacrimispora saccharolytica	Lactobacillus below species threshold	Lactobacillus crispatus	Lactobacillus gasseri	Lactobacillus iners	Lactococcus below species threshold	Lactococcus cremoris	Lactococcus lactis	Lactonifactor below species threshold	Lactolimicola below species threshold	Lactolimicola intestinalis	Lawsoniella below species threshold
S1-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-A-CTRL	0	0.02	0.09	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-B-CTRL	0	0.02	0.09	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-C-CTRL	0	0.01	0.11	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-A-PPC	0	0.04	0.4	0	0	0	0	0	0.06	0	0	0	0	0	0	0
S2-B-PPC	0	0.04	0.33	0	0	0	0	0	0	0	0	0	0	0	0	0.02
S2-C-PPC	0	0.03	0.18	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-A-PPI	0	0	0.17	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-B-PPI	0	0.05	0.3	0	0	0	0	0	0.05	0	0	0	0	0	0	0
S2-C-PPI	0	0.02	0.22	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-A-CTRL	0	0.27	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-A-PPC	0	0	0.02	0	0	0	0	0	0	0.03	0	0	0	0	0	0
S3-B-PPC	0	0	0.02	0	0	0	0	0	0	0.06	0	0	0	0	0	0
S3-C-PPC	0	0	0	0	0	0	0	0	0	0.03	0	0	0	0	0	0
S3-A-PPI	0	0	0	0	0	0	0	0	0	0.2	0	0	0	0	0	0
S3-B-PPI	0	0	0.15	0	0	0	0	0	0	0.14	0	0	0	0	0	0
S3-C-PPI	0	0	0	0	0	0	0	0	0	0.17	0	0	0	0	0	0
S4-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-A-PPC	0	0	0.47	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-B-PPC	0	0	0.65	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-A-PPI	0	0	0.11	0	0	0	0	0	0	0.15	0	0	0	0	0	0
S4-B-PPI	0	0	0.07	0	0	0	0	0	0	0.08	0	0	0	0	0	0
S4-C-PPI	0	0	0	0	0	0	0	0	0	0.17	0	0	0	0	0	0
S5-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-A-PPC	0	0	0	0	0	0	0.91	0	0	0	0	0	0	0	0	0
S5-B-PPC	0	0	0	0	0	0	1.07	0	0	0	0	0	0	0	0	0
S5-C-PPC	0	0	0	0	0	0	1.18	0	0	0	0	0	0	0	0	0
S5-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-A-CTRL	0	0.18	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-B-CTRL	0	0.32	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-C-CTRL	0	0.41	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-A-PPC	0	0	0.09	0	0	0.13	0	0.22	0	0	0.16	0.07	0	0	0	0
S6-B-PPC	0	0.05	0.14	0	0	0.06	0	0.18	0	0	0.2	0.04	0	0	0	0
S6-C-PPC	0	0.03	0.15	0	0	0.06	0	0.22	0	0	0.16	0.04	0	0	0	0
S6-A-PPI	0	0	0.16	0	0	0.13	0	0.52	0	0	0.11	0.09	0	0	0	0
S6-B-PPI	0	0	0.23	0	0	0.11	0	0.35	0	0	0	0	0	0	0	0
S6-C-PPI	0	0.07	0.33	0	0	0.19	0	0.6	0	0	0.09	0	0	0	0	0

Bacterial species	Lawsonbacter facies	Lawsonbacter hominis	Leclercia adecarboxylata	Leclercia below species threshold	Lepagella below species threshold	Leuonostoc lactis	Leuonostoc multihit species	Leyella below species threshold	Leyella lascolaii	Leyella stercorea	Ligaoa below species threshold	Ligilactobacillus animalis	Ligilactobacillus below species threshold	Ligilactobacillus multihit species	Ligilactobacillus murinus	Limosilactobacillus below species threshold
S1-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-A-CTRL	0	0	0.07	0.03	0	0	0	0	0	0	0	0	0	0	0	0
S2-B-CTRL	0	0	0.12	0.03	0	0	0	0	0	0	0	0	0	0	0	0
S2-C-CTRL	0	0	0.18	0.04	0	0	0	0	0	0	0	0	0	0	0	0
S2-A-PPC	0	0	0.05	0.02	0	0	0	0	0	0	0	0	0	0	0	0
S2-B-PPC	0	0	0.05	0.02	0	0	0	0	0	0	0	0	0	0	0	0
S2-C-PPC	0	0	0.06	0.03	0	0	0	0	0	0	0	0	0	0	0	0
S2-A-PPI	0	0	0.15	0.04	0	0	0	0	0	0	0	0	0	0	0	0
S2-B-PPI	0	0	0.11	0.03	0	0	0	0	0	0	0	0	0	0	0	0
S2-C-PPI	0	0	0.14	0.04	0	0	0	0	0	0	0	0	0	0	0	0
S3-A-CTRL	0	0	0	0	0	2.29	0	0.15	0	0	0	0	0	0	0	0
S3-B-CTRL	0	0	0	0	0	2.27	0	0.23	0	0	0	0	0	0	0	0
S3-C-CTRL	0	0	0	0	0	3.05	0	0.32	0	0	0	0	0	0	0	0
S3-A-PPC	0	0	0	0	0	1.91	0	0.05	0	0	0	0	0	0	0	0
S3-B-PPC	0	0	0	0	0	1.63	0.03	0.05	0	0	0	0	0	0	0	0.04
S3-C-PPC	0	0	0	0	0	2.3	0	0.04	0	0	0	0	0	0	0	0.03
S3-A-PPI	0	0	0	0	0	6.24	0	0.14	0	0	0	0	0	0	0	0
S3-B-PPI	0	0	0	0	0	8.77	0.22	0.09	0	0	0	0	0	0	0	0
S3-C-PPI	0	0	0	0	0	6.51	0	0.16	0	0	0	0	0	0	0	0
S4-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	6.97	0.43	0	0	0
S6-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	6.22	0.34	0	0	0
S6-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	9.97	0.72	0	0	0
S6-A-PPC	0	0	0	0	0	0	0	0	0	0	0	43.61	2.23	0.52	0.76	0
S6-B-PPC	0	0	0	0	0	0	0	0	0	0	0	40.54	2.15	0.38	0.67	0
S6-C-PPC	0	0	0	0	0	0	0	0	0	0	0	33.13	1.87	0.39	0.53	0
S6-A-PPI	0	0	0	0	0	0	0	0	0	0	0	17.53	1.01	0.2	0.41	0
S6-B-PPI	0	0	0	0	0	0	0	0	0	0	0	4.87	0.25	0.1	0.09	0
S6-C-PPI	0	0	0	0	0	0	0	0	0	0	0	8.25	0.36	0.1	0.16	0

Bacterial species	<i>Limosilactobacillus fermentum</i>	<i>Listeria</i> below species threshold	<i>Luxibacter</i> below species threshold	<i>Maccocya</i> below species threshold	<i>Maccocya intestihominis</i>	<i>Magnetospirillum</i> below species threshold	<i>Maitelia</i> below species threshold	<i>Malibacterium</i> below species threshold	<i>Marasmitruncus</i> below species threshold	<i>Marvinbryantia</i> below species threshold	<i>Massilimalia</i> below species threshold	<i>Massilistercora</i> below species threshold	<i>Massilistercora timonensis</i>	<i>Mediterranea</i> below species threshold	<i>Mediterranea massiliensis</i>	<i>Mediterraneibacter</i> below species threshold
S1-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.16
S1-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.16
S1-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.12
S2-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02
S2-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.03
S2-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0.17	0	0
S3-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0.03	0	0	0.02
S3-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-A-PPC	0.39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-B-PPC	0.33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-C-PPC	0.27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-A-PPI	0.76	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-B-PPI	1.35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-C-PPI	1.42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Bacterial species	Mediterraneibacter faccis	Mediterraneibacter gnauvus	Mediterraneibacter multihit species	Megaspheara below species threshold	Megaspheara elsdenti	Megaspheara massiliensis	Merdimmobilis below species threshold	Merdimmobilis hominis	Merdimonas below species threshold	Merdimonas faccis	Mesosutterella below species threshold	Mesosutterella multiformis	Milionella below species threshold	Mitsuokella below species threshold	Mitsuokella jalaludini	Mitsuokella multacida
S1-A-CTRL	0	1.76	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-B-CTRL	0	1.98	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-C-CTRL	0	2.48	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-A-PPC	0	1.45	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-B-PPC	0	1.11	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-C-PPC	0	1.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-A-PPI	0	2.31	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-B-PPI	0	3.09	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-C-PPI	0	2.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-A-CTRL	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-C-CTRL	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-B-PPC	0.03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-A-PPI	0.03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-B-PPI	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-C-PPI	0.05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	2.45	0	0	0	0
S3-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	7.26	0	0	0	0
S3-C-CTRL	0	0	0	0	0	0	0	0	0	0	0.45	6.14	0	0	0	0
S3-A-PPC	0.03	0	0	0	0	0.02	0	0	0	0.04	0	0.15	0	0	0	0
S3-B-PPC	0	0	0	0	0	0	0	0	0	0.03	0	0.09	0	0	0	0
S3-C-PPC	0.02	0	0	0	0	0	0	0	0	0.02	0	0.13	0	0	0	0
S3-A-PPI	0	0	0	0	0	0.46	0	0	0	0.16	0.28	7.44	0	0	0	0
S3-B-PPI	0	0	0	0	0	0.12	0	0	0	0.12	0	0.28	0	0	0	0
S3-C-PPI	0	0	0	0	0	0	0	0	0	0	0	3.14	0	0	0	0
S4-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	1.22	0	0	0	0
S4-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	1.69	0	0	0	0
S4-C-CTRL	0	0	0	0	0	0	0	0	0	0	0.11	4.15	0	0	0	0
S4-A-PPC	0	0	0	0	0	0	0	0	0	0	0	9.8	0	0	0	0
S4-B-PPC	0	0	0	0	0	0	0	0	0	0	0	11.24	0	0	0	0
S4-C-PPC	0	0	0	0	0	0	0	0	0	0	0.58	15.86	0	0	0	0
S4-A-PPI	0	0	0	0	0	0	0	0	0	0	0.26	7.1	0	0	0	0
S4-B-PPI	0	0	0	0	0	0	0	0	0	0	0.53	13.07	0	0	0	0
S4-C-PPI	0	0	0	0	0	0	0	0	0	0	0.11	2.5	0	0	0	0
S5-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-A-CTRL	0	0	0	0.28	0	0	0	0	0	0	0	0	0	3.78	2.35	0.35
S6-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	3.1	0.96	0.29
S6-C-CTRL	0	0	0	0.25	0	0	0	0	0	0	0	0	0	1.21	0.23	0
S6-A-PPC	0.03	0	0	0.03	0	0	0	0	0	0	0	0	0	0.06	0.05	0
S6-B-PPC	0	0	0	0.05	0.05	0	0	0	0	0	0	0	0	0.09	0.07	0
S6-C-PPC	0	0	0	0.07	0.04	0	0	0	0	0	0	0	0	0.1	0.07	0
S6-A-PPI	0	0	0	0.2	0.1	0	0	0	0	0	0	0	0	1.05	0.74	0.1
S6-B-PPI	0	0	0	0.12	0.12	0	0	0	0	0	0	0	0	2.12	1.79	0.19
S6-C-PPI	0	0	0	0.14	0.12	0	0	0	0	0	0	0	0	1.48	0.77	0.16

Bacterial species	Mitsuokella multitrit species threshold	Mobilibacterium below species threshold	Moryella below species threshold	Murdochella vaginalis	Muribaculum below species threshold	Murimonas below species threshold	Muriventricola acetii	Muriventricola below species threshold	Negativibacillus below species threshold	Negativibacillus massiliensis	Neglectibacter below species threshold	Noobittarella below species threshold	Neoporus below species threshold	Neoporus faecalis	Nitratidesulfovibrio below species threshold	Nocardioides below species threshold
S1-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0	0
S2-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02	0	0
S2-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0	0
S2-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0.06	0	0
S2-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0	0
S2-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02	0	0
S2-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0	0
S2-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0.05	0	0
S2-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0.07	0	0
S3-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-A-PPC	0	0	0	0.1	0	0	0	0	0	0	0	0	0.02	0	0	0
S3-B-PPC	0	0	0	0.12	0	0	0	0	0	0	0	0	0	0	0	0
S3-C-PPC	0	0	0	0.15	0	0	0	0	0	0	0	0	0	0	0	0
S3-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-B-CTRL	0	0	0	0	0.07	0	0	0	0	0	0	0	0	0	0	0
S4-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.24
S5-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0.08	0	0	0
S6-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

[illegible]

Bacterial species	<i>Parabacteroides goldsteini</i>	<i>Parabacteroides gordonii</i>	<i>Parabacteroides johnsonii</i>	<i>Parabacteroides lei</i>	<i>Parabacteroides merdae</i>	<i>Parabacteroides multihit species</i>	<i>Paraclostridium bifementans</i>	<i>Paraclostridium multihit species</i>	<i>Paramuribaculum below species threshold</i>	<i>Paramuribaculum intestinale</i>	<i>Paraprevotella below species threshold</i>	<i>Paraprevotella clara</i>	<i>Parasutterella below species threshold</i>	<i>Parasutterella excrementihominis</i>	<i>Pedobacter below species threshold</i>	<i>Petrimonas below species threshold</i>
S1-A-CTRL	0	0	0	0	1.03	0	0	0	0	0	0	0	0	0	0	0
S1-B-CTRL	0	0	0	0	0.68	0	0	0	0	0	0	0	0	0	0	0
S1-C-CTRL	0	0	0	0	0.75	0	0	0	0	0	0	0	0	0	0	0
S1-A-PPC	0	0	0	0	0.24	0	0	0	0	0	0	0	0	0	0	0
S1-B-PPC	0	0	0	0	0.3	0	0	0	0	0	0	0	0	0	0	0
S1-C-PPC	0	0	0	0	0.24	0	0	0	0	0	0	0	0	0	0	0
S1-A-PPI	0	0	0	0	0.15	0	0	0	0	0	0	0	0	0	0	0
S1-B-PPI	0	0	0	0	0.29	0	0	0	0	0	0	0	0	0	0	0
S1-C-PPI	0	0	0	0	0.24	0	0	0	0	0	0	0	0	0	0	0
S2-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0	0
S2-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0.05	0	0
S2-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0.05	0	0
S2-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0.07	0	0
S2-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0.08	0	0
S2-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0.07	0	0
S2-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0.06	0	0
S2-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0.08	0	0
S2-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0.05	0	0
S3-A-CTRL	0	0	0	0	0.38	0	0	0	0	0	0	0	0	0	0	0
S3-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-C-CTRL	0	0	0	0	0.16	0	0	0	0	0	0	0	0	0	0	0
S3-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-A-CTRL	0.05	0	0.12	0	16.05	0.69	0	0	0	0	0	0	0	0	0	0
S4-B-CTRL	0.04	0	0.15	0	15.93	0.69	0	0	0	0	0	0	0	0	0	0
S4-C-CTRL	0.06	0	0.1	0	12.69	0.54	0	0	0	0	0	0	0	0	0	0
S4-A-PPC	0	0	0	0	2.98	0	0	0	0	0	0	0	0	0	0	0
S4-B-PPC	0	0	0	0	1.98	0	0	0	0	0	0	0	0	0	0	0
S4-C-PPC	0	0	0	0	2.97	0	0.83	0.3	0	0	0	0	0	0	0	0
S4-A-PPI	0	0	0.09	0	9.8	0.38	1.14	0.49	0	0	0	0	0	0	0	0
S4-B-PPI	0	0	0.07	0	8.67	0.3	0.73	0.39	0	0	0	0	0	0	0	0
S4-C-PPI	0	0	0.07	0	7.81	0.31	0.81	0.3	0	0	0	0	0	0	0	0
S5-A-CTRL	0	0	0	0	0.81	0.27	0	0	0	0	0	0	0	0	0	0
S5-B-CTRL	0	0	0	0	0.89	0	0	0	0	0	0	0	0	0	0	0
S5-C-CTRL	0	0	0	0	1.21	0	0	0	0	0	0	0	0	0	0	0
S5-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0	0
S5-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	1.08	0	0
S5-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0.53	0	0
S5-A-PPI	0	0	0	0	0.93	0	0	0	0	0	0	0	0	0.82	0	0
S5-B-PPI	0	0	0	0	0.37	0	0	0	0	0	0	0	0	0	0	0
S5-C-PPI	0	0	0	0	0.57	0	0	0	0	0	0	0	0	0.51	0	0
S6-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-C-CTRL	0	0	0	0	0.11	0	0	0	0	0	0	0	0	0	0	0
S6-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-C-PPC	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0	0	0
S6-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Bacterial species	Phascolarctobacterium below species threshold	Phascolarctobacterium m faecium	Phocaeicola barnesi	Phocaeicola below species threshold	Phocaeicola coprococla	Phocaeicola dorei	Phocaeicola faecalis	Phocaeicola faecicola	Phocaeicola faecium	Phocaeicola fibrisolvens	Phocaeicola massiliensis	Phocaeicola multihit species	Phocaeicola plebeius	Phocaeicola salanitronis	Phocaeicola sartorii	Phocaeicola vulgatus
S1-A-CTRL	0	3.18	0	0.31	0	0.17	0	0	0	0	5.47	7.8	0	0	0	2.87
S1-B-CTRL	0	4.34	0	0	0	0	0	0	0	0	2.95	5.83	0	0	0	2
S1-C-CTRL	0	2.16	0	0.43	0	0.27	0	0	0	0	5.37	8.26	0	0	0	3.15
S1-A-PPC	0	0.78	0	0.1	0	0.14	0	0	0	0	1.74	3.28	0	0	0	1.03
S1-B-PPC	0	0.91	0	0.15	0	0	0	0	0	0	1.96	3.48	0	0	0	1.24
S1-C-PPC	0	0.68	0	0.11	0	0.11	0	0	0	0	1.43	2.82	0	0	0	0.99
S1-A-PPI	0	0.8	0	0.23	0	0.21	0	0	0	0	6.22	5.2	0	0	0	2.36
S1-B-PPI	0	1.11	0	0.27	0	0	0	0	0	0	5.22	4.8	0	0	0	1.85
S1-C-PPI	0	0.55	0	0.2	0	0.1	0	0	0	0	8.36	4.37	0	0	0	1.69
S2-A-CTRL	0	0	0	0	0	0.01	0	0	0	0	0	0.36	0	0	0	0.09
S2-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0.3	0	0	0	0.1
S2-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0.29	0	0	0	0.1
S2-A-PPC	0	0	0	0	0	0.01	0	0	0	0	0	0.33	0	0	0	0.1
S2-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0.29	0	0	0	0.1
S2-C-PPC	0	0	0	0	0	0.01	0	0	0	0	0	0.24	0	0	0	0.08
S2-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0.35	0	0	0	0.12
S2-B-PPI	0	0	0	0	0	0.01	0	0	0	0	0	0.4	0	0	0	0.12
S2-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0.42	0	0	0	0.13
S3-A-CTRL	0	0	0	0.35	0	0	0	0	0	0	0.65	1.71	0	0	0	0.31
S3-B-CTRL	0	0	0	0.68	0	0	0	0	0	0	0.64	0.94	0	0	0	0.26
S3-C-CTRL	0	0	0	0.58	0	0	0	0	0	0	0.62	1.12	0	0	0	0.21
S3-A-PPC	0	0	0	0.12	0	0	0	0	0	0	0.04	0.06	0	0	0	0
S3-B-PPC	0	0	0	0.14	0	0	0	0	0	0	0.03	0.06	0	0	0	0
S3-C-PPC	0	0	0	0.11	0	0	0	0	0	0	0.04	0.05	0	0	0	0.01
S3-A-PPI	0	0	0	0.2	0	0	0	0	0	0	0.78	0.97	0	0	0	0.26
S3-B-PPI	0	0	0	0.21	0	0	0	0	0	0	0.31	0.29	0	0	0	0
S3-C-PPI	0	0	0	0.2	0	0	0	0	0	0	0.39	0.5	0	0	0	0.18
S4-A-CTRL	0	0	0	0.23	0	4.79	0	0	0	0	0.05	9.29	0	0	0.07	1.7
S4-B-CTRL	0	0	0	0.25	0	4.75	0	0	0	0	0.06	9.17	0	0	0.12	1.8
S4-C-CTRL	0	0	0	0.31	0	4.23	0	0	0	0	0.07	11.49	0	0	0.06	2.37
S4-A-PPC	0	0	0	0	0	1.17	0	0	0	0	0	3.38	0	0	0	0.73
S4-B-PPC	0	0	0	0	0	1.28	0	0	0	0	0	4.13	0	0	0	0.84
S4-C-PPC	0	0	0	0	0	1.53	0	0	0	0	0	5.95	0	0	0	1.07
S4-A-PPI	0	0	0	0.27	0	5.36	0	0	0	0	0	13.47	0	0	0.1	2.76
S4-B-PPI	0	0	0	0.29	0	5.66	0	0	0	0	0.04	14.09	0	0	0.08	2.9
S4-C-PPI	0	0	0	0.18	0	3.61	0	0	0	0	0.04	11.63	0	0	0.1	2.16
S5-A-CTRL	0	0	0	0	0	1.47	0	0	0	0	0.29	16.82	0	0	0.18	5.12
S5-B-CTRL	0	0	0	0	0	1.48	0	0	0	0	0	16.12	0	0	0	4.37
S5-C-CTRL	0	0	0	0	0	1.22	0	0	0	0	0	15.83	0	0	0	4.26
S5-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0.77	0	0	0	0.37
S5-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0.74	0	0	0	0.3
S5-C-PPC	0	0	0	0	0	0.22	0	0	0	0	0	0.86	0	0	0	0.29
S5-A-PPI	0	0	0	0	0	1.33	0	0	0	0	0	5.91	0	0	0	1.37
S5-B-PPI	0	0	0	0	0	1.31	0	0	0	0	0	5.39	0	0	0	1.66
S5-C-PPI	0	0	0	0.16	0	0.86	0	0	0	0	0	7.82	0	0	0	2.14
S6-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0.72	0	0	0	0.34
S6-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0.59	0	0	0	0.26
S6-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0.67	0	0	0	0.27
S6-A-PPC	0	0	0	0	0	0	0	0	0	0	0.03	0.04	0	0	0	0.03
S6-B-PPC	0	0	0	0	0	0	0	0	0	0	0.03	0.02	0	0	0	0
S6-C-PPC	0	0	0	0	0	0	0	0	0	0	0.03	0.03	0	0	0	0.02
S6-A-PPI	0	0	0	0	0	0	0	0	0	0	0.1	0.23	0	0	0	0.07
S6-B-PPI	0	0	0	0	0	0	0	0	0	0	0.11	0.19	0	0	0	0.08
S6-C-PPI	0	0	0	0	0	0	0	0	0	0	0.15	0.21	0	0	0	0.07

Bacterial species	Photobacterium below species threshold	Pilobacter below species threshold	Pilobacter fragilis	Pontibacter below species threshold	Porciplelethomonas ammonililytica	Porciplelethomonas below species threshold	Porphyromonas below species threshold	Prevotella below species threshold	Prevotella communis	Prevotella corporis	Prevotella disiens	Prevotella lactificifex	Prevotella marsellensis	Prevotella merdae	Prevotella multihit species	Prevotella pectinovora
S1-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-A-PPC	0.1	0.12	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-B-PPC	0	0.14	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-A-CTRL	0	0.03	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-B-CTRL	0	0.02	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-C-CTRL	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-A-PPC	0	0.04	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-B-PPC	0	0.02	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-C-PPC	0	0.04	0.03	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-A-PPI	0	0.05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-B-PPI	0	0.03	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-C-PPI	0	0.03	0.03	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-A-CTRL	0	0	0	0	0	0	0	0.48	0	0	0	0	0	0	0	0
S3-B-CTRL	0	0	0	0	0	0	0	0.73	0	0	0	0	0	0	0	0
S3-C-CTRL	0	0	0	0	0	0	0	0.91	0	0	0	0	0	0	0	0
S3-A-PPC	0	0	0	0	0	0	0	0.16	0	0	0	0	0	0	0	0
S3-B-PPC	0	0	0	0	0	0	0	0.15	0	0	0	0	0	0	0	0
S3-C-PPC	0	0	0	0	0	0	0	0.08	0	0	0	0	0	0	0	0
S3-A-PPI	0	0	0	0	0	0	0	0.5	0	0	0	0	0	0	0	0
S3-B-PPI	0	0	0	0	0	0	0	0.44	0	0	0	0	0	0	0	0
S3-C-PPI	0	0	0	0	0	0	0	0.45	0	0	0	0	0	0	0	0
S4-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-A-CTRL	0	0	0	0	0	0	0	0.93	0	0	0	0	0	0	0	0
S5-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-B-PPI	0	0	0	0	0	0	0	0.22	0	0	0	0	0	0	0	0
S5-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-A-PPC	0	0	0	0	0	0	0	0.03	0	0	0	0	0	0	0	0
S6-B-PPC	0	0	0	0	0	0	0	0.03	0	0	0	0	0	0	0	0
S6-C-PPC	0	0	0	0	0	0	0	0.05	0	0	0	0	0	0	0	0
S6-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-B-PPI	0	0	0	0	0	0	0	0.07	0	0	0	0	0	0	0	0
S6-C-PPI	0	0	0	0	0	0	0	0.11	0	0	0	0	0	0	0	0

[illegible]

Bacterial species	Rikenella microflavus	Robinsoniella below species threshold	Roseburia amylophila	Roseburia below species threshold	Roseburia faecis	Roseburia hominis	Roseburia intestinalis	Roseburia multivorans	Roseburia lenta	Roseburia multihit species	Roseburia rectibacter	Roseburia yibonii	Ruminococcoides below species threshold	Ruminococcoides intestinale	Ruminococcoides intestinalis	Ruminococcus below species threshold
S1-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-A-CTRL	0	0	0	0.02	0.32	0	0	0.02	0	0.02	0	0	0	0.58	0	0.04
S2-B-CTRL	0	0	0	0.02	0.31	0	0	0.05	0	0.02	0	0	0	0.35	0	0.03
S2-C-CTRL	0	0	0	0	0.35	0	0	0.03	0	0	0	0	0	0.49	0	0.07
S2-A-PPC	0	0	0	0.1	1.48	0.05	0.02	0.25	0	0.09	0	0	0.06	2	0	0.09
S2-B-PPC	0	0	0	0.06	1.16	0.05	0	0.25	0	0.07	0	0	0.09	2.16	0.02	0.07
S2-C-PPC	0	0	0	0.06	1.17	0.07	0.01	0.28	0	0.08	0	0	0.05	1.28	0	0.06
S2-A-PPI	0	0	0	0.07	1.13	0.05	0	0.18	0	0.07	0	0	0.04	1.03	0	0.06
S2-B-PPI	0	0	0	0.05	1.31	0.04	0	0.25	0	0.07	0	0	0	0.66	0	0.07
S2-C-PPI	0	0	0	0.06	1.15	0.04	0	0.18	0	0.07	0	0.02	0.04	0.99	0	0.1
S3-A-CTRL	0	0	0	0	0.94	0	0	0	0	0	0	0	0	0	0	0
S3-B-CTRL	0	0	0	0	0.73	0	0	0	0	0	0	0	0	0	0	0
S3-C-CTRL	0	0	0	0	1.01	0	0	0	0	0	0	0	0	0	0	0
S3-A-PPC	0	0	0	0.02	0.3	0.03	0	0	0	0	0	0	0	0.27	0	0.11
S3-B-PPC	0	0	0	0	0.23	0	0	0	0	0	0	0	0	0.19	0	0.11
S3-C-PPC	0	0	0	0	0.24	0.02	0	0	0	0	0	0	0	0.23	0	0.12
S3-A-PPI	0	0	0	0	0.83	0	0	0	0	0	0	0	0	0.23	0	0.32
S3-B-PPI	0	0	0	0	0.74	0	0	0	0	0	0	0	0	0.25	0	0.41
S3-C-PPI	0	0	0	0	0.79	0	0	0	0	0	0	0	0	0	0	0.3
S4-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0.09	0	0
S4-C-CTRL	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0	0	0
S4-A-PPC	0	0	0	0	3.05	0	0	0	0	0	0	0	0	0.44	0	0.7
S4-B-PPC	0	0	0	0.3	2.36	0	0	0.27	0	0	0	0	0	0	0	0.53
S4-C-PPC	0	0	0	0	1.72	0	0	0	0	0	0	0	0	0.36	0	0.44
S4-A-PPI	0	0	0	0	0.19	0	0	0.05	0	0	0	0	0	0.19	0	0.17
S4-B-PPI	0	0	0	0	0.24	0	0	0	0	0	0	0	0	0	0	0.09
S4-C-PPI	0	0	0	0	0.19	0	0	0	0	0	0	0	0	0.07	0	0.06
S5-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.28
S5-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.04
S5-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.83
S5-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.92
S5-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.33
S5-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.65
S5-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.37
S6-A-CTRL	0	0	0	0	3.28	0	0	0	0	0	0	0	0	1.49	0	0
S6-B-CTRL	0	0	0	0	3.07	0	0	0	0	0	0	0	0	1.17	0	0
S6-C-CTRL	0	0	0	0	3.49	0	0	0	0	0	0	0	0	1.21	0	0
S6-A-PPC	0	0	0.09	0.03	1.38	0	0.02	0.02	0	0.04	0	0	0.04	0.46	0	0.06
S6-B-PPC	0	0	0.03	0.03	1.4	0	0	0	0	0.04	0	0	0	0.4	0	0.04
S6-C-PPC	0	0	0.08	0.04	1.63	0	0	0.03	0	0.04	0	0	0	0.67	0	0.05
S6-A-PPI	0	0	0.17	0.18	5.51	0	0.05	0	0	0.16	0	0	0	1.37	0	0
S6-B-PPI	0	0	0.17	0.13	5.44	0	0	0.09	0	0.17	0	0	0	1.16	0	0.15
S6-C-PPI	0	0	0.14	0.13	5.43	0	0.08	0.12	0	0.18	0	0	0.08	1.24	0	0.1

Bacterial species	[Ruminococcus] below species threshold	Ruminococcus bromii	Ruminococcus callidus	Ruminococcus intestinalis	Ruminococcus lactaris	Ruminococcus torques	Ruthenbacterium below species threshold	Ruthenbacterium lactatiformans	Salmonella below species threshold	Salmonella enterica	Schaedlerella below species threshold	Segatella albensis	Segatella below species threshold	Segatella bryantii	Segatella copri	Segatella hominis
S1-A-CTRL	0	0	0	0	0	0.6	0	0	0	0	0	0	0	0	0	0
S1-B-CTRL	0	0	0	0	0	0.48	0	0	0	0	0	0	0	0	0	0
S1-C-CTRL	0	0	0	0	0	1.15	0	0	0	0	0	0	0	0	0	0
S1-A-PPC	0	0	0	0	0	1.4	0	0	0	0	0	0	0	0	0	0
S1-B-PPC	0	0	0	0	0	1.46	0	0	0.14	0	0	0	0	0	0	0
S1-C-PPC	0	0	0	0	0	1.42	0	0	0	0	0	0	0	0	0	0
S1-A-PPI	0	0	0	0	0	0.85	0	0	0	0	0	0	0	0	0	0
S1-B-PPI	0	0	0	0	0	1.69	0	0	0	0	0	0	0	0	0	0
S1-C-PPI	0	0	0	0	0	1.11	0	0	0	0	0	0	0	0	0	0
S2-A-CTRL	0	0.06	0	0	0	0	0	0.01	0	0.01	0	0	0	0	0	0
S2-B-CTRL	0	0.03	0	0	0	0	0	0.02	0	0.02	0	0	0	0	0	0
S2-C-CTRL	0	0.04	0	0	0	0	0	0.01	0.01	0.01	0	0	0	0	0	0
S2-A-PPC	0	0.16	0	0	0	0	0	0.02	0	0	0	0	0	0	0	0
S2-B-PPC	0	0.16	0	0	0	0	0	0.02	0	0.02	0	0	0	0	0	0
S2-C-PPC	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-A-PPI	0	0.05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-B-PPI	0	0.06	0	0	0	0	0.02	0.03	0	0.02	0	0	0	0	0	0
S2-C-PPI	0	0.1	0	0	0	0	0.02	0.02	0	0.01	0	0	0	0	0	0
S3-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0.19	0	0	0
S3-B-CTRL	0	0	0	0	0	0.39	0	0	0	0	0	0	0.22	0	0	0
S3-C-CTRL	0	0	0	0	0	0.32	0	0	0	0	0	0	0.28	0	0	0
S3-A-PPC	0	0.03	0.08	0	0	0.15	0	0	0	0	0	0	0.05	0	0	0
S3-B-PPC	0	0	0.05	0	0	0.14	0	0	0	0	0	0	0.05	0	0	0
S3-C-PPC	0	0	0.05	0	0	0.1	0	0	0	0	0	0	0.04	0	0	0
S3-A-PPI	0	0	0.2	0	0	0.3	0	0	0	0	0	0	0.13	0	0	0
S3-B-PPI	0	0	0.12	0	0	0.47	0	0	0	0.07	0	0	0.2	0	0	0
S3-C-PPI	0	0	0	0	0	0.37	0	0	0	0	0	0	0	0	0	0
S4-A-CTRL	0	0	0	0	0.14	0.18	0	0	0	0.08	0	0	0	0	0	0
S4-B-CTRL	0	0	0	0	0.17	0.17	0	0.06	0	0.07	0	0	0	0	0	0
S4-C-CTRL	0	0	0	0	0.3	0.26	0	0.04	0	0.06	0	0	0	0	0	0
S4-A-PPC	0	0	0	0	2.39	2.79	0	0.25	0	0.41	0	0	0	0	0	0
S4-B-PPC	0	0	0	0	2.7	3.05	0	0.37	0	0.58	0	0	0	0	0	0
S4-C-PPC	0	0	0	0	2.57	3.06	0.21	0	0	0.4	0	0	0	0	0	0
S4-A-PPI	0	0	0	0	0.67	0.74	0	0.07	0	0.09	0	0	0	0	0	0
S4-B-PPI	0	0	0	0	0.4	0.47	0.04	0	0	0.08	0	0	0	0	0	0
S4-C-PPI	0	0	0	0	0.55	0.67	0	0.05	0	0.06	0	0	0	0	0	0
S5-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-A-PPI	0	0	0	0	0	0	0	0	0	0.13	0	0	0	0	0	0
S5-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-PPI	0	0	0	0	0	0.17	0	0	0	0	0	0	0	0	0	0
S6-A-CTRL	0	0	0	0	0	0	0	0	0.64	0.27	0	0	0	0	0.53	0
S6-B-CTRL	0	0	0	0	0	0	0	0	0.35	0.17	0	0	0	0	0.56	0
S6-C-CTRL	0	0	0	0	0	0	0	0	0.32	0.3	0	0	0.23	0	0.82	0
S6-A-PPC	0	0.04	0	0	0	0	0	0	0.09	0.03	0	0	0.07	0	0.31	0
S6-B-PPC	0	0.06	0	0	0	0	0	0	0.14	0	0	0	0.06	0	0.27	0
S6-C-PPC	0	0.05	0	0	0	0	0	0	0.17	0	0	0	0.11	0	0.36	0
S6-A-PPI	0	0.09	0	0	0	0	0	0	0.19	0.08	0	0	0.07	0	0.64	0
S6-B-PPI	0	0	0	0	0	0	0	0	0.23	0.09	0	0	0.14	0	0.66	0
S6-C-PPI	0	0.15	0	0	0	0	0	0	0.19	0.06	0	0	0.22	0	0.54	0

Bacterial species	Segatella multihit species	Selenomonas below species threshold	Selenomonas bovis	Selenomonas montiformis	Sellimonas below species threshold	Sellimonas intestinalis	Serratia below species threshold	Serratia grimesii	Serratia narescens	Serratia multihit species	Shigella below species threshold	Shigella boydii	Shigella dysenteriae	Shigella flexneri	Shigella multihit species	Shigella sonnei
S1-A-CTRL	0	0	0	0	0	0	0	0.26	0	0	0	0	0.28	0	0.28	0.31
S1-B-CTRL	0	0	0	0	0	0	0	0.38	0	0	0	0	0.29	0	0.31	0.25
S1-C-CTRL	0	0	0	0	0	0	0	0.23	0	0	0	0	0.14	0	0.33	0.25
S1-A-PPC	0	0	0	0	0	0	0	0.16	0	0	0	0.09	0.11	0.08	0.23	0.19
S1-B-PPC	0	0	0	0	0	0	0	0.11	0	0	0	0	0.1	0.1	0.14	0.22
S1-C-PPC	0	0	0	0	0	0	0	0.11	0	0	0	0	0.11	0	0.19	0.1
S1-A-PPI	0	0	0	0	0	0	0.12	0.18	0	0	0	0	0.28	0	0.2	0.27
S1-B-PPI	0	0	0	0	0	0	0	0.24	0	0	0	0	0.28	0	0.22	0.28
S1-C-PPI	0	0	0	0	0	0	0	0.16	0	0	0	0	0.1	0	0.14	0.21
S2-A-CTRL	0	0	0	0	0	0	0	0	0	0.06	0	0	0	0.01	0	0
S2-B-CTRL	0	0	0	0	0	0	0	0	0	0.11	0	0	0	0.01	0	0
S2-C-CTRL	0	0	0	0	0	0	0	0	0	0.09	0	0	0	0	0	0
S2-A-PPC	0	0	0	0	0	0	0	0	0	0.08	0	0	0	0	0	0
S2-B-PPC	0	0	0	0	0	0	0	0	0	0.08	0	0	0.02	0	0	0
S2-C-PPC	0	0	0	0	0	0	0	0	0	0.07	0	0	0	0	0	0
S2-A-PPI	0	0	0	0	0	0	0	0	0	0.1	0	0	0.01	0	0	0
S2-B-PPI	0	0	0	0	0	0	0	0	0	0.09	0	0	0	0	0	0
S2-C-PPI	0	0	0	0	0	0	0	0	0	0.09	0	0	0	0	0	0
S3-A-CTRL	0	0	0	0	0	0	0	0	0.11	0.13	0	0	0.13	6.85	0.95	0.14
S3-B-CTRL	0	0	0	0	0	0	0	0	0	0.28	0.15	0	0.28	9.83	1.17	0.2
S3-C-CTRL	0	0	0	0	0	0	0	0	0	0.2	0	0	0.15	8.91	1.12	0.18
S3-A-PPC	0	0	0	0	0	0	0	0	0.01	0.01	0	0	0.02	0.44	0.06	0
S3-B-PPC	0	0	0	0	0	0	0	0	0.01	0	0	0.02	0.01	0.44	0.05	0
S3-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0.45	0.07	0
S3-A-PPI	0	0	0	0	0	0	0	0	0.09	0.08	0	0	0.08	4.12	0.41	0
S3-B-PPI	0	0	0	0	0	0	0	0	0	0.05	0	0	0.05	3.09	0.33	0.11
S3-C-PPI	0	0	0	0	0	0	0	0	0.09	0	0	0	0.12	4.11	0.46	0.07
S4-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0.09	0	0
S4-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0.06	0.04	0
S4-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0.04	0
S4-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0.47	0.33	0
S4-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0.2	0	0.62	0.31	0
S4-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0.38	0	0
S4-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0.05	0
S4-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0.07	0	0
S4-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0.05	0.04	0
S5-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0.23	0	0	0
S5-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-A-CTRL	0	0.24	0	0	0	0	0	0	0	0	0	0.11	0.46	4.05	0.61	0.11
S6-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0.13	0.56	3.48	0.59	0.23
S6-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0.12	0.59	3.6	0.51	0.16
S6-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0.03	0.28	0.02	0
S6-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0.03	0.24	0.02	0
S6-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0.03	0.22	0.02	0
S6-A-PPI	0	0.11	0	0	0	0	0	0	0	0	0.05	0	0.15	0.75	0.11	0
S6-B-PPI	0	0.13	0	0	0	0	0	0	0	0	0	0	0.13	1.13	0.13	0.05
S6-C-PPI	0	0.12	0	0	0	0	0	0	0	0	0	0.04	0.13	0.86	0.13	0.05

Bacterial species	Simiaoa below species threshold	Simiaoa sumi	Slackia below species threshold	Sodaphilus below species threshold	Sodaliphilus pleomorphus	Solibaculum below species threshold	Spingobacterium below species threshold	Spingomonas below species threshold	Sporobacter below species threshold	Streptococcus agalactiae	Streptococcus anginosus	Streptococcus australis	Streptococcus below species threshold	Streptococcus caecimuris	Streptococcus canis	Streptococcus constellatus
S1-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	1.16	0	0	0
S1-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	3.07	0	0	0
S1-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	1.01	0	0	0
S1-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	3.92	0	0.51	0
S1-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	4.05	0	0.42	0
S1-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	3.61	0	0.48	0
S1-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	2.28	0	0	0
S1-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	3.55	0	0.45	0
S1-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	1.59	0	0.29	0
S2-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0.53	1.44	0.06	0	0
S2-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0.77	1.29	0.07	0	0
S2-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0.52	1.11	0.04	0	0
S2-A-PPC	0	0	0	0	0	0	0	0	0.02	0	0	0.34	4.05	0	0	0
S2-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0.25	2.85	0	0	0
S2-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0.28	3.74	0	0	0
S2-A-PPI	0	0.02	0	0	0	0	0	0	0	0	0	0.31	2.68	0.04	0	0
S2-B-PPI	0	0.02	0	0	0	0	0	0	0	0	0	0.38	3.14	0.04	0	0
S2-C-PPI	0	0.02	0	0	0	0	0	0	0	0	0	0.26	2.71	0.03	0	0
S3-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	1.81	0	0	0
S3-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	2.17	0	0	0
S3-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	2.7	0	0	0
S3-A-PPC	0	0	0	0	0	0	0	0	0	0.13	0.04	0	4.77	0	0.11	0
S3-B-PPC	0	0	0	0	0	0	0	0	0	0.11	0.06	0	5.05	0	0.14	0.04
S3-C-PPC	0	0	0	0	0	0	0	0	0	0.07	0	0	4.83	0	0.16	0.04
S3-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	2.36	0	0	0
S3-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	2.31	0	0	0
S3-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	1.94	0	0	0
S4-A-CTRL	0	0	0	0	0	0	0	0	0	0	0.5	0	0.47	0	0	0
S4-B-CTRL	0	0	0	0	0	0	0	0	0	0	0.22	0	0.31	0	0	0
S4-C-CTRL	0	0	0	0	0	0	0	0	0	0	0.44	0	0.61	0	0	0
S4-A-PPC	0	0	0	0	0	0	0	0	0	0	0.96	0	1.72	0	0	0
S4-B-PPC	0	0	0	0	0	0	0	0	0	0	1.92	0	1.77	0	0	0
S4-C-PPC	0	0	0	0	0	0	0	0	0	0	1.08	0	1.55	0	0	0
S4-A-PPI	0	0	0	0	0	0	0	0	0	0	1.98	0	1.83	0	0	0.12
S4-B-PPI	0	0	0	0	0	0	0	0	0	0	1.18	0	1.11	0	0	0
S4-C-PPI	0	0	0	0	0	0	0	0	0	0	1.88	0	1.73	0	0.12	0.14
S5-A-CTRL	0	0	0	0	0	0	0	0	0	0	0.69	0	0	0	0	0
S5-B-CTRL	0	0	0	0	0	0	0	1.09	0	0	0.66	0	0	0	0	0
S5-C-CTRL	0	0	0	0	0	0	0	0.33	0	0	0.68	0	0	0	0	0
S5-A-PPC	0	0	0	0	0	0	0	0	0	0	3.99	0	2.02	0	0	0
S5-B-PPC	0	0	0	0	0	0	0	0	0	0	3.5	0	2.03	0	0	0
S5-C-PPC	0	0	0	0	0	0	0	0	0	0	3.69	0	2.09	0	0	0
S5-A-PPI	0	0	0	0	0	0	0	0	0	0	2.84	0	1.9	0	0	0
S5-B-PPI	0	0	0	0	0	0	0	0	0	0	4.09	0	1.97	0	0	0
S5-C-PPI	0	0	0	0	0	0	0	0	0	0	4.1	0	1.54	0	0	0
S6-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-A-PPC	0	0.04	0	0	0	0	0	0	0	0	0	0	0.14	0	0	0
S6-B-PPC	0	0	0	0	0.03	0	0	0	0	0	0	0	0.09	0	0	0
S6-C-PPC	0	0.03	0	0	0.03	0	0	0	0	0	0	0	0.09	0	0	0
S6-A-PPI	0	0.07	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-B-PPI	0	0.07	0	0	0.07	0	0	0	0	0	0	0	0	0	0	0
S6-C-PPI	0	0.05	0	0	0	0	0	0	0	0	0	0	0.08	0	0	0

Bacterial species	<i>Streptococcus dysgalactiae</i>	<i>Streptococcus equinus</i>	<i>Streptococcus gallolyticus</i>	<i>Streptococcus gordonii</i>	<i>Streptococcus henryi</i>	<i>Streptococcus humanilactis</i>	<i>Streptococcus infantarius</i>	<i>Streptococcus infantis</i>	<i>Streptococcus intermedius</i>	<i>Streptococcus korensis</i>	<i>Streptococcus lutetiensis</i>	<i>Streptococcus mitis</i>	<i>Streptococcus multihi species</i>	<i>Streptococcus oralis</i>	<i>Streptococcus parasanguinis</i>	<i>Streptococcus pneumoniae</i>
S1-A-CTRL	0	0	7.63	0	0	0	0	0	0	0	0	0	0.91	0	0	0
S1-B-CTRL	0	0	12.29	0	0	0	0	0	0	0	0	0	2.08	0	0	0
S1-C-CTRL	0	0	8.59	0	0	0	0	0	0	0	0	0	0.78	0	0	0
S1-A-PPC	0	0	49.77	0	0	0	0	0	0	0	0.22	0	2.62	0	0	0
S1-B-PPC	0	0	48.38	0	0	0	0	0	0	0	0	0	2.78	0	0	0
S1-C-PPC	0	0	48.58	0	0	0	0	0	0	0	0.28	0	2.67	0	0	0
S1-A-PPI	0	0	21.46	0	0	0	0	0	0	0	0	0	1.12	0	0	0
S1-B-PPI	0	0	37.75	0	0	0	0	0	0	0	0	0	2.14	0	0	0
S1-C-PPI	0	0	16.12	0	0	0	0	0	0	0	0	0	1.05	0	0	0
S2-A-CTRL	0	0	0	0.05	0	0	0	0.06	0	0	0	0.03	5.6	0.02	25.2	0
S2-B-CTRL	0	0	0	0.09	0	0	0	0.06	0	0.03	0	0.03	5.92	0.03	27.85	0
S2-C-CTRL	0	0	0	0.06	0	0	0	0.07	0	0	0	0.03	5.28	0.03	22.22	0
S2-A-PPC	0	0	0	0.03	0	0	0	0	0	0	0	0	8.2	0	11.42	0
S2-B-PPC	0	0	0	0	0	0	0	0	0	0.03	0	0	5.84	0	10.25	0
S2-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	7.76	0	11.87	0
S2-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0.04	6.34	0	11.79	0
S2-B-PPI	0	0	0	0.03	0	0	0	0	0	0.03	0	0	6.94	0	14.17	0
S2-C-PPI	0	0	0	0	0	0	0	0.05	0	0	0	0	5.91	0.03	12.44	0
S3-A-CTRL	0	0	0.79	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-B-CTRL	0	0	0.69	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-C-CTRL	0	0	0.83	0	0	0	0	0	0	0	0.41	0	0	0	0	0
S3-A-PPC	0.04	0.22	38.11	0	0.03	0	0.12	0	0.34	0	1.37	0	2.75	0	0.03	0
S3-B-PPC	0.04	0.23	36.54	0	0.07	0	0.16	0	0.32	0	1.31	0	2.92	0	0.06	0.05
S3-C-PPC	0	0.15	37.92	0	0.05	0	0.11	0	0.38	0	1.58	0	2.78	0	0.04	0
S3-A-PPI	0	0.24	2.14	0	0	0	0	0	0	0	0.53	0	0	0	0	0
S3-B-PPI	0	0.31	4.66	0	0	0	0	0	0	0	0.43	0	0.25	0	0	0
S3-C-PPI	0	0.32	1.82	0	0	0	0	0	0	0	0.31	0	0.18	0	0	0
S4-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	3.84	0	0	0
S4-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	2.75	0	0	0
S4-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	5.48	0.09	0	0
S4-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	15.33	0	0	0
S4-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	15.39	0	0	0
S4-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	15.23	0	0	0
S4-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0.24	18.45	0.27	0	0
S4-B-PPI	0	0	0	0	0	0	0	0	0.08	0	0	0.08	13.8	0.23	0	0
S4-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0.14	28.88	0.48	0	0.08
S5-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	5.51	0	0	0
S5-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	4.89	0	0	0
S5-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	9.04	0	0	0
S5-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0.62	31.69	0.53	0	0
S5-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	29.62	0.5	0	0
S5-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	33.32	0.41	0	0
S5-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	22.7	0	0	0
S5-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	33.45	0.44	0	0
S5-C-PPI	0	0	0	0	0	0	0	0	0.26	0	0	0	35.15	0.28	0	0
S6-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0.28	0.1	0	0	0
S6-B-PPC	0	0	0	0	0	0.07	0	0	0	0	0	0.35	0.12	0	0	0
S6-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0.38	0.14	0	0	0
S6-A-PPI	0	0	0	0	0	0.1	0	0	0	0	0	0.36	0.13	0	0	0
S6-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0.3	0	0	0	0
S6-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0.3	0.17	0	0	0

[illegible]

Bacterial species	<i>Sutterella wadsworthensis</i>	<i>Thalassospira</i> below species threshold	<i>Thomasciavelia</i> below species threshold	<i>Treponema</i> below species threshold	<i>Turicibacter bilis</i>	<i>Turicibacter sanguinis</i>	<i>Veillonella</i> below species threshold	<i>Velocimicrobium</i> below species threshold	<i>Ventrimonas</i> below species threshold	<i>Ventrimonas facis</i>	<i>Vermiculatibacterium</i> m below species threshold	<i>Vescimonas</i> below species threshold	<i>Vescimonas coprocola</i>	<i>Vescimonas fastidiosa</i>	<i>Victivallis</i> below species threshold	<i>Victivallis lenta</i>
S1-A-CTRL	3.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-B-CTRL	1.07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-C-CTRL	2.59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-A-PPC	0.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-B-PPC	0.26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-C-PPC	0.27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-A-PPI	0.46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-B-PPI	0.28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S1-C-PPI	0.61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S2-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0.04	0	0	0	0
S2-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0.02	0	0	0	0
S2-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0.04	0	0	0	0
S2-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0.02	0	0	0	0
S2-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0.04	0	0	0	0
S3-A-CTRL	23.61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-B-CTRL	7.28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3-C-CTRL	6.62	0	0	0	0	0	0	0	0	0	0	0.45	0	0	0	0
S3-A-PPC	0.11	0	0	0	0	0	0	0	0	0	0	0.04	0	0	0	0
S3-B-PPC	0.13	0	0	0	0	0	0	0	0	0	0	0.03	0	0	0	0
S3-C-PPC	0.19	0	0	0	0	0	0	0	0	0	0	0.03	0	0	0	0
S3-A-PPI	1.05	0	0	0	0	0	0	0	0	0	0	0.18	0	0	0	0
S3-B-PPI	0.2	0	0	0	0	0	0	0	0	0	0	0.12	0	0	0	0
S3-C-PPI	0.43	0	0	0	0	0	0	0	0	0	0	0.19	0	0	0	0
S4-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4-A-PPI	0	0	0	0	0	0.08	0	0	0	0	0	0	0	0	0	0
S4-B-PPI	0	0	0	0	0	0.05	0	0	0	0	0	0	0	0	0	0
S4-C-PPI	0	0	0	0	0	0.05	0	0	0	0	0	0	0	0	0	0
S5-A-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-B-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-CTRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-B-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5-C-PPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-A-CTRL	2.67	0	0	0	0	0	0	0	0	0	0	0.21	0	0	0	0
S6-B-CTRL	1.79	0	0	0	0	0	0	0	0	0	0	0.31	0	0	0	0
S6-C-CTRL	0.68	0	0	0	0	0	0	0	0	0	0	0.26	0	0	0	0
S6-A-PPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6-B-PPC	0	0	0	0	0	0	0	0	0	0	0	0.05	0	0	0	0
S6-C-PPC	0	0	0	0	0	0	0	0	0	0	0	0.04	0	0	0	0
S6-A-PPI	0	0	0	0	0	0	0	0	0	0	0	0.08	0	0	0	0
S6-B-PPI	0.07	0	0	0	0	0	0	0	0	0	0	0.21	0	0	0	0
S6-C-PPI	0.07	0	0	0	0	0	0	0	0	0	0	0.13	0	0	0	0

[illegible]

Bacterial species	Yeguta hominis	Yersinia rohdei	Youxingia below species threshold	Zongyanga below species threshold
S1-A-CTRL	0	0	0	0
S1-B-CTRL	0	0.31	0	0
S1-C-CTRL	0	0.17	0	0
S1-A-PPC	0	0	0	0
S1-B-PPC	0	0.13	0	0
S1-C-PPC	0	0	0	0
S1-A-PPI	0	0.21	0	0
S1-B-PPI	0	0	0	0
S1-C-PPI	0	0.1	0	0
S2-A-CTRL	0	0	0	0
S2-B-CTRL	0	0	0	0
S2-C-CTRL	0	0	0	0
S2-A-PPC	0	0	0	0
S2-B-PPC	0	0	0	0
S2-C-PPC	0	0	0	0
S2-A-PPI	0	0	0	0
S2-B-PPI	0	0	0	0
S2-C-PPI	0	0	0	0
S3-A-CTRL	0	0	0	0
S3-B-CTRL	0	0	0	0
S3-C-CTRL	0	0	0	0
S3-A-PPC	0	0	0	0
S3-B-PPC	0	0	0	0
S3-C-PPC	0	0	0	0
S3-A-PPI	0	0	0	0
S3-B-PPI	0	0	0	0
S3-C-PPI	0	0	0	0
S4-A-CTRL	0	0	0	0
S4-B-CTRL	0	0	0	0
S4-C-CTRL	0	0	0	0
S4-A-PPC	0	0	0	0
S4-B-PPC	0	0	0	0
S4-C-PPC	0	0	0	0
S4-A-PPI	0	0	0	0
S4-B-PPI	0	0	0	0
S4-C-PPI	0	0	0	0
S5-A-CTRL	0	0	0	0
S5-B-CTRL	0	0	0	0
S5-C-CTRL	0	0	0	0
S5-A-PPC	0	0	0	0
S5-B-PPC	0	0	0	0
S5-C-PPC	0	0	0	0
S5-A-PPI	0	0	0	0
S5-B-PPI	0	0	0	0
S5-C-PPI	0	0	0	0
S6-A-CTRL	0	0	0	0
S6-B-CTRL	0	0	0	0
S6-C-CTRL	0	0	0	0
S6-A-PPC	0	0	0	0
S6-B-PPC	0	0	0	0
S6-C-PPC	0	0	0	0
S6-A-PPI	0	0	0	0
S6-B-PPI	0	0	0	0
S6-C-PPI	0	0	0	0

Supplementary Table 6. Spearman correlation coefficients between nutritional parameters (g/100 g; protein, fat, fiber, carbohydrates, sugars, salt) and species-level relative abundances across the six microbial communities. *P*-values were adjusted per species using the Benjamini-Hochberg method

Nutritional parameters	Bacterial species	Correlation	Spearman correlation coefficients	P-value adjusted BH
Carbohydrates	<i>Bacteroides multihit</i> species	-0.4729	0.0003	0.0032
Carbohydrates	<i>Bacteroides ovatus</i>	-0.4423	0.0008	0.0076
Carbohydrates	<i>Bacteroides xylanisolvens</i>	-0.4367	0.0010	0.0088
Carbohydrates	<i>Phocaeicola multihit</i> species	-0.4118	0.0020	0.0163
Carbohydrates	<i>Phocaeicola vulgatus</i>	-0.3937	0.0032	0.0248
Carbohydrates	<i>Bacteroides faecium</i>	-0.3906	0.0035	0.0266
Carbohydrates	<i>Bacteroides vicugnae</i>	-0.3632	0.0070	0.0470
Carbohydrates	<i>Streptococcus suis</i>	0.3640	0.0068	0.0463
Carbohydrates	<i>Streptococcus canis</i>	0.3654	0.0066	0.0451
Carbohydrates	<i>Eubacterium</i> below species threshold	0.3699	0.0059	0.0411
Carbohydrates	<i>Enterococcus casseliflavus</i>	0.3720	0.0056	0.0394
Carbohydrates	<i>Dorea multihit</i> species	0.3846	0.0041	0.0302
Carbohydrates	<i>Faecalibacterium duncaniae</i>	0.4278	0.0013	0.0111
Carbohydrates	<i>Streptococcus</i> below species threshold	0.5029	0.0001	0.0013
Carbohydrates	<i>Ruminococcus</i> below species threshold	0.5190	0.0001	0.0008
Carbohydrates	<i>Bifidobacterium longum</i>	0.5850	0.0000	0.0001
Fat	<i>Bacteroides faecium</i>	-0.3906	0.0035	0.0266
Fat	<i>Faecalibacterium duncaniae</i>	0.3749	0.0052	0.0371
Fat	<i>Simiaoa sunii</i>	0.3815	0.0044	0.0323
Fat	<i>Lactococcus</i> below species threshold	0.3833	0.0042	0.0311
Fat	<i>Gemmiger</i> below species threshold	0.3878	0.0038	0.0282
Fat	<i>Clostridium</i> below species threshold	0.4247	0.0014	0.0119
Fat	<i>Ruminococcus</i> below species threshold	0.4755	0.0003	0.0030
Fat	<i>Dorea longicatena</i>	0.4780	0.0003	0.0028
Fiber	<i>Bacteroides multihit</i> species	-0.4729	0.0003	0.0032
Fiber	<i>Bacteroides ovatus</i>	-0.4423	0.0008	0.0076
Fiber	<i>Bacteroides xylanisolvens</i>	-0.4367	0.0010	0.0088
Fiber	<i>Phocaeicola multihit</i> species	-0.4118	0.0020	0.0163
Fiber	<i>Phocaeicola vulgatus</i>	-0.3937	0.0032	0.0248
Fiber	<i>Bacteroides faecium</i>	-0.3906	0.0035	0.0266
Fiber	<i>Bacteroides vicugnae</i>	-0.3632	0.0070	0.0470
Fiber	<i>Streptococcus suis</i>	0.3640	0.0068	0.0463
Fiber	<i>Streptococcus canis</i>	0.3654	0.0066	0.0451
Fiber	<i>Eubacterium</i> below species threshold	0.3699	0.0059	0.0411
Fiber	<i>Enterococcus casseliflavus</i>	0.3720	0.0056	0.0394
Fiber	<i>Dorea multihit</i> species	0.3846	0.0041	0.0302
Fiber	<i>Faecalibacterium duncaniae</i>	0.4278	0.0013	0.0111
Fiber	<i>Streptococcus</i> below species threshold	0.5029	0.0001	0.0013
Fiber	<i>Ruminococcus</i> below species threshold	0.5190	0.0001	0.0008
Fiber	<i>Bifidobacterium longum</i>	0.5850	0.0000	0.0001
Protein	<i>Bacteroides faecium</i>	-0.3906	0.0035	0.0266
Protein	<i>Faecalibacterium duncaniae</i>	0.3749	0.0052	0.0371
Protein	<i>Simiaoa sunii</i>	0.3815	0.0044	0.0323
Protein	<i>Lactococcus</i> below species threshold	0.3833	0.0042	0.0311
Protein	<i>Gemmiger</i> below species threshold	0.3878	0.0038	0.0282
Protein	<i>Clostridium</i> below species threshold	0.4247	0.0014	0.0119
Protein	<i>Ruminococcus</i> below species threshold	0.4755	0.0003	0.0030

Protein	<i>Dorea longicatena</i>	0.4780	0.0003	0.0028
Salt	<i>Clostridium</i> below species threshold	0.3604	0.0074	0.0497
Salt	<i>Dorea longicatena</i>	0.3619	0.0072	0.0482
Salt	<i>Simiaoa sunii</i>	0.3671	0.0063	0.0436
Salt	<i>Oscillibacter</i> below species threshold	0.3996	0.0028	0.0217