

Supplementary Table 1. Mean abundance values \pm SD of bacterial genera from fecal samples categorized per BMI category of participants. * $p < 0.05$.

	BMI			
	Underweight/Normal weight		Overweight/Obese	
	Mean	Standard deviation	Mean	Standard deviation
<i>Prevotella</i>	4.62	8.22	3.93	8.05
<i>Bacteroides</i>	21.95	11.48	22.01	12.15
<i>Sedimentibacter</i>	.17	.95	.19	.68
<i>Porphyromonas</i>	.21	.97	.05	.10
<i>Peptoniphilus</i>	.38	1.19	.37	.92
<i>Halanaerobium</i>	.15	.55	.02	.05
<i>Corynebacterium</i>	.55	1.82	.63	1.83
<i>Negativicoccus</i>	.56	1.28	.44	.86
<i>Faecalibacterium</i>	12.57	6.75	13.30	7.56
<i>Anaerococcus</i>	.22	1.40	.15	.48
<i>Oscillospira</i>	2.05	1.69	1.59	1.39
<i>Blautia</i>	8.10	4.66	8.52	4.85
<i>Flavobacterium</i>	2.99	3.69	1.87	1.72
<i>Roseburia</i>	5.22	4.97	4.25	4.48
<i>Campylobacter</i>	.10	.50	.02	.05
<i>Lactobacillus</i>	.77	3.32	.72	2.59
<i>Clostridium</i>	1.28	1.10	1.21	.74
<i>Ruminococcus</i>	8.70	5.89	8.37	6.66
<i>Lachnospira</i>	4.03	2.09	4.93	2.56
<i>Methylobacterium</i>	.05	.15	.06	.11
<i>Selenomonas</i>	.23	.38	.38*	1.30
<i>Aminiphilus</i>	.92	1.95	.59	1.20
<i>Megasphaera</i>	.12	.30	.32*	.88
<i>Coprococcus</i>	1.33	1.53	1.02	1.11
<i>Fusobacterium</i>	.02	.08	.08 A	.20
<i>Parabacteroides</i>	2.17	3.27	1.83	1.92
<i>Sutterella</i>	.78	.89	.95	1.57
<i>Streptomyces</i>	.02	.07	.01	.02
<i>Arcanobacterium</i>	.01	.06	.00	.01
<i>Streptococcus</i>	1.66	2.09	4.03*	6.70
<i>Actinomyces</i>	.10	.15	.40	1.23
<i>Peptostreptococcus</i>	.02	.05	.12	.37
<i>Mobiluncus</i>	.02	.11	.01	.02
<i>Collinsella</i>	1.96	3.37	1.47	2.33
<i>Acidaminococcus</i>	.09	.28	.07	.16
<i>Dorea</i>	1.17	2.29	2.44*	4.26
<i>Lachnobacterium</i>	.28	.75	.68*	2.43
<i>Finegoldia</i>	.08	.66	.04	.11
<i>Odoribacter</i>	.23	.21	.21	.21
<i>Borrelia</i>	.00	.02	.00	.00
<i>Brevibacterium</i>	.10	.22	.05	.03
<i>Peptococcus</i>	.13	.12	.14	.10
<i>Slackia</i>	.69	.52	.82	.61
<i>Facklamia</i>	.03	.16	.00	.00
<i>Propionispora</i>	.12	.13	.10	.08

<i>Bilophila</i>	.05	.07	.08	.12
<i>Atopobium</i>	.24	.32	.20	.22
<i>Brevibacillus</i>	.73	1.20	.57	.72
<i>Butyricimonas</i>	.21	.18	.16	.18
<i>Jannaschia</i>	.19	.32	.28*	.50
<i>Lactococcus</i>	.34	1.01	.51	.95
<i>Candidatus Phytoplasma</i>	.09	.14	.06	.04
<i>Dialister</i>	.35	.77	1.07*	2.34
<i>Megamonas</i>	.30	2.53	.49	2.21
<i>Veillonella</i>	.11	.14	.11	.07
<i>Ureaplasma</i>	.00	.01	.00	.01
<i>Rhodospirillum</i>	.15	.12	.15	.11
<i>Mesoplasma</i>	.01	.01	.00	.01
<i>Pectinatus</i>	.02	.01	.02	.02
<i>Fibrobacter</i>	.03	.06	.02	.02
<i>Tenacibaculum</i>	.02	.05	.00	.00
<i>Bartonella</i>	.10	.10	.07	.09
<i>Methylocella</i>	.05	.15	.03	.01
<i>Emticicia</i>	.05	.07	.04	.02
<i>Bifidobacterium</i>	.26	.29	.29	.28
<i>Sediminibacillus</i>	.01	.07	.00	.00
<i>Eggerthella</i>	.12	.19	.14	.31
<i>Acholeplasma</i>	.14	.16	.12	.07
<i>Microbacterium</i>	.10	.23	.08	.05
<i>Anaerostipes</i>	.27	.66	.16	.17
<i>Desulfovibrio</i>	.07	.14	.03	.02
<i>Pedobacter</i>	.08	.16	.04	.05
<i>Eubacterium</i>	.71	2.20	1.61*	3.43
<i>Mycobacterium</i>	.01	.01	.01	.01
<i>Paraprevotella</i>	.19	.30	.08*	.13
<i>Varibaculum</i>	.04	.27	.01	.04
<i>Paucibacter</i>	.01	.01	.02*	.06
<i>Mogibacterium</i>	.04	.07	.04	.07
<i>Anaerotruncus</i>	.04	.05	.08*	.12
<i>Chlorobaculum</i>	.01	.01	.00	.00
<i>Thermoanaerobacterium</i>	.00	.01	.00	.00
<i>Desulfosporosinus</i>	.03	.07	.05	.07
<i>Trabulsiella</i>	.15	.45	.08	.21
<i>Adlercreutzia</i>	.15	.55	.07	.09
<i>Brachybacterium</i>	.00	.03	.00	.00
<i>Paenibacillus</i>	.03	.08	.01	.01
<i>Pseudomonas</i>	.60	3.48	.04	.13
<i>Salinicoccus</i>	.31	1.05	.32	.58
<i>Turicibacter</i>	.24	1.26	.12	.24
<i>Enterococcus</i>	.64	1.53	.44	.81
<i>Lautropia</i>	.02	.08	.01	.02
<i>Stenoxybacter</i>	.01	.02	.01	.01
<i>Dysgonomonas</i>	.01	.04	.01	.01
<i>Geobacillus</i>	.04	.05	.03	.02
<i>Actinobaculum</i>	.02	.14	.01	.02
<i>Alkaliphilus</i>	.04	.11	.05	.15
<i>Caldicellulosiruptor</i>	.00	.00	.01	.01
<i>Fructobacillus</i>	.05	.06	.04	.03
<i>Natronincola</i>	.04	.08	.03	.09

<i>Phascolarctobacterium</i>	.50	.81	.29	.49
<i>Thermodesulfovibrio</i>	.01	.02	.01	.01
<i>Dethiosulfovibrio</i>	.00	.01	.00	.00
<i>Flammeovirga</i>	.00	.00	.00	.00
<i>Novosphingobium</i>	.01	.03	.00	.00
<i>Oxalobacter</i>	.01	.02	.01	.03
<i>Staphylococcus</i>	.05	.23	.05	.17
<i>Acetobacterium</i>	.02	.11	.00	.01
<i>Azospirillum</i>	.02	.02	.02	.01
<i>Sporosarcina</i>	.05	.52	.00	.00
<i>Syntrophomonas</i>	.01	.02	.01	.01
<i>Caldilinea</i>	.01	.01	.01	.01
<i>Coprobacillus</i>	.29	1.05	.64	1.93
<i>Jeotgalicoccus</i>	.00	.03	.00	.00
<i>Kitasatospora</i>	.01	.02	.01	.01
<i>Rhodanobacter</i>	.00	.02	.01	.01
<i>Zhouia</i>	.05	.10	.03	.04
<i>Carboxydocella</i>	.00	.00	.00	.00
<i>Carnobacterium</i>	.03	.19	.01	.01
<i>Chryseobacterium</i>	.28	2.21	.01	.02
<i>Enterobacter</i>	.21	.66	.07	.13
<i>Luteococcus</i>	.00	.01	.00	.00
<i>Marinobacter</i>	.00	.01	.00	.00
<i>Microvirus</i>	.01	.01	.01	.01
<i>Paracoccus</i>	.02	.08	.01	.01
<i>Roseospira</i>	.02	.12	.01	.01
<i>Sinorhizobium</i>	.03	.12	.01	.02
<i>Trichococcus</i>	.06	.34	.02	.04
<i>Amycolatopsis</i>	.01	.05	.00	.00
<i>Anaerofilum</i>	.01	.02	.02	.04
<i>Arcobacter</i>	.07	.39	.00	.00
<i>Brochothrix</i>	.01	.01	.01	.01
<i>Caulobacter</i>	.01	.01	.00	.01
<i>Luteibacter</i>	.01	.03	.01	.01
<i>Pseudoalteromonas</i>	.01	.01	.01	.01
<i>Thermicanus</i>	.01	.01	.01	.01
<i>Thiothrix</i>	.00	.00	.00	.00
<i>Achromobacter</i>	.07	.45	.02	.07
<i>Arthrobacter</i>	.08	.78	.00	.00
<i>Desulfonatronovibrio</i>	.03	.05	.03	.02
<i>Dyadobacter</i>	.00	.02	.00	.00
<i>Holdemania</i>	.03	.05	.04	.06
<i>Loktanella</i>	.09	.33	.10	.47
<i>Tetragenococcus</i>	.01	.02	.01	.01
<i>Weissella</i>	.05	.21	.23	1.03
<i>Brevundimonas</i>	.12	.46	.06	.28
<i>Candidatus Endobugula</i>	.00	.01	.00	.00
<i>Ectothiorhodospira</i>	.00	.00	.00	.00
<i>Exiguobacterium</i>	.01	.01	.01	.01
<i>Leptospira</i>	.00	.03	.00	.00
<i>Planifilum</i>	.01	.03	.01	.01
<i>Rickettsia</i>	.00	.01	.00	.00
<i>Sphingobium</i>	.13	.61	.01	.02
<i>Sphingomonas</i>	.05	.36	.01	.01

<i>Trichodesmium</i>	.03	.11	.03	.06
<i>Cystobacter</i>	.00	.02	.00	.00
<i>Deferribacter</i>	.00	.00	.00	.00
<i>Desulfotomaculum</i>	.00	.00	.00	.00
<i>Escherichia</i>	.13	.37	.05	.09
<i>Gemella</i>	.02	.08	.18*	.80
<i>Legionella</i>	.00	.01	.00	.00
<i>Pediococcus</i>	.00	.00	.00	.00
<i>Planomicrobium</i>	.01	.02	.00	.00
<i>Ralstonia</i>	.01	.03	.00	.00
<i>Rhodococcus</i>	.04	.19	.00	.00
<i>Thermobaculum</i>	.00	.01	.00	.01
<i>Thiomonas</i>	.00	.01	.01	.02
<i>Anaerofustis</i>	.00	.00	.00	.00
<i>Anaerovibrio</i>	.00	.03	.00	.00
<i>Asticcacaulis</i>	.00	.01	.00	.01
<i>Bacillus</i>	.02	.12	.00	.00
<i>Bradyrhizobium</i>	.01	.03	.01	.02
<i>Bulleidia</i>	.01	.05	.02	.07
<i>Citrobacter</i>	.23	1.95	.02	.09
<i>Cohnella</i>	.02	.08	.02	.02
<i>Coriobacterium</i>	.00	.00	.01	.03
<i>Devosia</i>	.01	.06	.00	.00
<i>Granulicatella</i>	.01	.03	.02	.03
<i>Haemophilus</i>	.00	.01	.01	.02
<i>Mitsuokella</i>	.01	.10	.02	.11
<i>Myroides</i>	.01	.14	.00	.00
<i>Niastella</i>	.01	.02	.00	.00
<i>Ochrobactrum</i>	.00	.02	.00	.01
<i>Parascardovia</i>	.02	.03	.02	.02
<i>Rhodobacter</i>	.01	.03	.00	.00
<i>Rikenella</i>	.00	.00	.00	.00
<i>Sarcina</i>	.11	.35	.12	.27
<i>Sphingopyxis</i>	.01	.03	.00	.01
<i>Succiniclasticum</i>	.01	.08	.00	.00
<i>Variovorax</i>	.00	.01	.00	.00
<i>Acidovorax</i>	.09	.59	.00	.00
<i>Acinetobacter</i>	.08	.27	.04	.15
<i>Aerococcus</i>	.08	.88	.00	.00
<i>Agrobacterium</i>	.05	.27	.00	.00
<i>Akkermansia</i>	.01	.05	.02	.06
<i>Alicyclophilus</i>	.01	.07	.00	.00
<i>Anoxybacillus</i>	.07	.53	.00	.00
<i>Burkholderia</i>	.04	.17	.02	.05
<i>Caloramator</i>	.00	.00	.00	.00
<i>Catenibacterium</i>	.19	.76	.25	1.19
<i>Chroococcus</i>	.02	.06	.01	.01
<i>Citricoccus</i>	.00	.03	.00	.00
<i>Cloacibacillus</i>	.00	.04	.01	.05
<i>Comamonas</i>	.32	1.87	.00	.00
<i>Curvibacter</i>	.00	.01	.00	.00
<i>Dechloromonas</i>	.01	.04	.00	.00
<i>Delftia</i>	.22	1.11	.00	.00
<i>Denitrobacter</i>	.05	.44	.53	2.52

<i>Erwinia</i>	.00	.01	.01	.04
<i>Ferrimicrobium</i>	.00	.01	.00	.00
<i>Fusibacter</i>	.01	.04	.01	.03
<i>Gallionella</i>	.00	.01	.01	.02
<i>Giesbergeria</i>	.01	.04	.00	.00
<i>Gluconacetobacter</i>	.02	.16	.00	.00
<i>Haloanella</i>	.04	.39	.00	.00
<i>Herbaspirillum</i>	.00	.01	.00	.01
<i>Hydrogenophaga</i>	.02	.17	.00	.00
<i>Klebsiella</i>	.08	.68	.00	.01
<i>Leptothrix</i>	.00	.02	.00	.00
<i>Leucobacter</i>	.00	.01	.00	.01
<i>Leuconostoc</i>	.03	.22	.01	.03
<i>Luteimonas</i>	.01	.03	.00	.00
<i>Macrococcus</i>	.00	.01	.00	.01
<i>Mesorhizobium</i>	.01	.03	.01	.06
<i>Methylibium</i>	.02	.25	.00	.00
<i>Mycoplana</i>	.00	.03	.00	.00
<i>Olivibacter</i>	.01	.04	.00	.00
<i>Phenyllobacterium</i>	.05	.55	.00	.00
<i>Plesiomonas</i>	.01	.06	.00	.00
<i>Proteus</i>	.01	.10	.00	.00
<i>Providencia</i>	.00	.01	.01	.01
<i>Pseudochrobactrum</i>	.01	.09	.00	.00
<i>Pseudoclavibacter</i>	.00	.02	.00	.00
<i>Pseudoxanthomonas</i>	.03	.27	.00	.00
<i>Psychrobacter</i>	.14	1.22	.00	.00
<i>Rhizobium</i>	.01	.02	.00	.01
<i>Rhodoferax</i>	.00	.03	.00	.00
<i>Rhodoplanes</i>	.01	.04	.00	.00
<i>Rothia</i>	.00	.01	.00	.01
<i>Sediminibacterium</i>	.00	.02	.00	.00
<i>Serratia</i>	.03	.16	.01	.01
<i>Shinella</i>	.01	.06	.00	.00
<i>Sneathia</i>	.00	.02	.19*	.73
<i>Solibacillus</i>	.04	.45	.00	.00
<i>Sphingobacterium</i>	.09	.44	.00	.00
<i>Sporolactobacillus</i>	.00	.01	.01	.00
<i>Stenotrophomonas</i>	.15	.77	.00	.01
<i>Succinivibrio</i>	.00	.04	.06*	.27
<i>Thauera</i>	.02	.17	.00	.00
<i>Thermomonas</i>	.03	.27	.00	.00
<i>Vagococcus</i>	.01	.04	.03	.15
<i>Vibrio</i>	.00	.01	.00	.00
<i>Viridibacillus</i>	.02	.10	.01	.05
<i>Xanthomonas</i>	.03	.21	.00	.00
<i>Zobellia</i>	.00	.00	.00	.01

Supplementary Table 2. Mean abundance values \pm SD of bacterial genera from fecal samples categorized per MD score of participants. * $p < 0.05$.

	MD score	
	0-5	6-9

	Mean	Standard deviation	Mean	Standard deviation
<i>Prevotella</i>	4.98	8.80	4.23	7.79
<i>Bacteroides</i>	22.39	11.62	21.33	11.41
<i>Sedimentibacter</i>	.14	.71	.20	1.07
<i>Porphyromonas</i>	.17	.72	.20	1.03
<i>Peptoniphilus</i>	.38	1.20	.38	1.08
<i>Halanaerobium</i>	.12	.52	.14	.48
<i>Corynebacterium</i>	.37	1.20	.75	2.28
<i>Negativicoccus</i>	.55	1.16	.58	1.31
<i>Faecalibacterium</i>	11.94	6.43	13.57	7.34
<i>Anaerococcus</i>	.27	1.64	.15	.73
<i>Oscillospira</i>	2.18	1.90	1.73*	1.26
<i>Blautia</i>	8.38	5.15	7.95	4.05
<i>Flavobacterium</i>	2.68	3.65	2.87	3.23
<i>Roseburia</i>	5.09	5.34	5.02	4.32
<i>Campylobacter</i>	.08	.35	.08	.54
<i>Lactobacillus</i>	.29	.52	1.26	4.53
<i>Clostridium</i>	1.18	.78	1.36	1.26
<i>Ruminococcus</i>	9.51	6.70	7.64	4.91
<i>Lachnospira</i>	0.37	0.20	0.75*	0.23
<i>Methylobacterium</i>	.05	.16	.05	.12
<i>Selenomonas</i>	.25	.43	.26	.79
<i>Aminiphilus</i>	.92	2.06	.81	1.59
<i>Megasphaera</i>	.20	.57	.13	.40
<i>Coproccoccus</i>	1.36	1.48	1.16	1.45
<i>Fusobacterium</i>	.03	.10	.03	.12
<i>Parabacteroides</i>	2.33	3.99	1.86	1.52
<i>Sutterella</i>	.84	.96	.81	1.11
<i>Streptomyces</i>	.02	.06	.02	.06
<i>Arcanobacterium</i>	.02	.08	.00	.03
<i>Streptococcus</i>	1.99	3.64	2.09	3.11
<i>Actinomyces</i>	.18	.71	.11	.15
<i>Peptostreptococcus</i>	.03	.05	.05	.22
<i>Mobiluncus</i>	.02	.06	.02	.12
<i>Collinsella</i>	1.89	2.96	1.84	3.46
<i>Acidaminococcus</i>	.10	.29	.06	.21
<i>Dorea</i>	1.63	3.23	1.09	2.01
<i>Lachnobacterium</i>	.45	1.60	.22	.40
<i>Finegoldia</i>	.11	.83	.03	.12
<i>Odoribacter</i>	.24	.21	.21	.21
<i>Borrelia</i>	.00	.03	.00	.02
<i>Brevibacterium</i>	.08	.20	.10	.21
<i>Peptococcus</i>	.12	.09	.14	.14
<i>Slackia</i>	.71	.49	.70	.58
<i>Facklamia</i>	.02	.15	.02	.15
<i>Propionispora</i>	.12	.09	.11	.14
<i>Bilophila</i>	.06	.08	.05	.08
<i>Atopobium</i>	.23	.27	.23	.33
<i>Brevibacillus</i>	.65	.90	.74	1.34
<i>Butyricimonas</i>	.22	.19	.19	.17
<i>Jannaschia</i>	.18	.31	.23	.39
<i>Lactococcus</i>	.23	.53	.52*	1.31
<i>Candidatus Phytoplasma</i>	.07	.05	.11*	.17

<i>Dialister</i>	.55	1.46	.37	.81
<i>Megamonas</i>	.48	3.17	.17	1.29
<i>Veillonella</i>	.09	.05	.14*	.18
<i>Ureaplasma</i>	.00	.01	.00	.00
<i>Rhodospirillum</i>	.14	.08	.16	.14
<i>Mesoplasma</i>	.01	.01	.01	.02
<i>Pectinatus</i>	.02	.02	.02	.01
<i>Fibrobacter</i>	.03	.06	.03	.04
<i>Tenacibaculum</i>	.02	.06	.01	.02
<i>Bartonella</i>	.09	.10	.10	.10
<i>Methylocella</i>	.04	.04	.06	.19
<i>Emticicia</i>	.05	.02	.06	.09
<i>Bifidobacterium</i>	.26	.23	.29	.37
<i>Sediminibacillus</i>	.00	.02	.01	.09
<i>Eggerthella</i>	.12	.22	.13	.21
<i>Acholeplasma</i>	.13	.08	.13	.20
<i>Microbacterium</i>	.08	.07	.11	.29
<i>Anaerostipes</i>	.21	.25	.31	.84
<i>Desulfovibrio</i>	.07	.16	.05	.09
<i>Pedobacter</i>	.05	.05	.08	.21
<i>Eubacterium</i>	.71	2.19	1.04	2.69
<i>Mycobacterium</i>	.00	.01	.01	.01
<i>Paraprevotella</i>	.23	.38	.13*	.22
<i>Varibaculum</i>	.05	.32	.02	.12
<i>Paucibacter</i>	.01	.02	.01	.04
<i>Mogibacterium</i>	.04	.06	.04	.07
<i>Anaerotruncus</i>	.05	.08	.03	.05
<i>Chlorobaculum</i>	.01	.01	.01	.01
<i>Thermoanaerobacterium</i>	.00	.01	.00	.01
<i>Desulfosporosinus</i>	.03	.03	.04	.10
<i>Trabulsiella</i>	.14	.42	.13	.42
<i>Adlercreutzia</i>	.15	.62	.13	.34
<i>Brachybacterium</i>	.00	.01	.01	.04
<i>Paenibacillus</i>	.03	.10	.02	.02
<i>Pseudomonas</i>	.25	1.02	.84	4.45
<i>Salinicoccus</i>	.38	1.30	.23	.39
<i>Turcibacter</i>	.07	.17	.38	1.64
<i>Enterococcus</i>	.60	1.43	.64	1.46
<i>Lautropia</i>	.02	.05	.02	.10
<i>Stenoxybacter</i>	.01	.01	.01	.03
<i>Dysgonomonas</i>	.01	.01	.01	.05
<i>Geobacillus</i>	.03	.04	.04	.05
<i>Actinobaculum</i>	.02	.17	.00	.01
<i>Alkaliphilus</i>	.04	.09	.05	.15
<i>Caldicellulosiruptor</i>	.00	.00	.01	.01
<i>Fructobacillus</i>	.04	.04	.05	.07
<i>Natronincola</i>	.04	.10	.03	.06
<i>Phascolarctobacterium</i>	.39	.62	.53	.89
<i>Thermodesulfovibrio</i>	.01	.01	.01*	.03
<i>Dethiosulfovibrio</i>	.00	.01	.00	.01
<i>Flammeovirga</i>	.00	.00	.00	.00
<i>Novosphingobium</i>	.00	.01	.01	.03
<i>Oxalobacter</i>	.01	.02	.00	.01
<i>Staphylococcus</i>	.05	.21	.06	.22

<i>Acetobacterium</i>	.02	.13	.01	.06
<i>Azospirillum</i>	.02	.01	.02	.03
<i>Sporosarcina</i>	.08	.66	.01	.01
<i>Syntrophomonas</i>	.01	.01	.01	.02
<i>Caldilinea</i>	.01	.01	.01	.02
<i>Coprobacillus</i>	.54	1.63	.14	.45
<i>Jeotgalicoccus</i>	.00	.00	.01	.04
<i>Kitasatospora</i>	.01	.01	.01	.03
<i>Rhodanobacter</i>	.01	.03	.00	.01
<i>Zhouia</i>	.04	.06	.04	.12
<i>Carboxydocella</i>	.00	.00	.00	.00
<i>Carnobacterium</i>	.03	.23	.02	.05
<i>Chryseobacterium</i>	.32	2.67	.14	.81
<i>Enterobacter</i>	.19	.53	.19	.68
<i>Luteococcus</i>	.00	.00	.00	.01
<i>Marinobacter</i>	.00	.00	.01	.01
<i>Microvirus</i>	.01	.01	.01	.01
<i>Paracoccus</i>	.01	.01	.02	.10
<i>Roseospira</i>	.01	.01	.03	.16
<i>Sinorhizobium</i>	.03	.14	.02	.05
<i>Trichococcus</i>	.03	.08	.07	.44
<i>Amycolatopsis</i>	.01	.00	.01	.06
<i>Anaerofilum</i>	.01	.02	.01	.03
<i>Arcobacter</i>	.04	.28	.08	.43
<i>Brochothrix</i>	.01	.01	.01	.02
<i>Caulobacter</i>	.01	.01	.01	.01
<i>Luteibacter</i>	.01	.04	.01	.01
<i>Pseudoalteromonas</i>	.01	.01	.01	.02
<i>Thermicanus</i>	.01	.01	.01	.01
<i>Thiothrix</i>	.00	.00	.00	.00
<i>Achromobacter</i>	.04	.20	.09	.56
<i>Arthrobacter</i>	.11	.97	.01	.07
<i>Desulfonatronovibrio</i>	.03	.02	.03	.06
<i>Dyadobacter</i>	.00	.00	.01	.03
<i>Holdemania</i>	.03	.06	.03	.03
<i>Loktanella</i>	.11	.44	.06	.23
<i>Tetragenococcus</i>	.01	.02	.01	.01
<i>Weissella</i>	.10	.59	.05	.25
<i>Brevundimonas</i>	.05	.24	.17	.57
<i>Candidatus Endobugula</i>	.00	.00	.01	.01
<i>Ectothiorhodospira</i>	.00	.00	.00	.00
<i>Exiguobacterium</i>	.01	.01	.01	.01
<i>Leptospira</i>	.00	.00	.01	.04
<i>Planifilum</i>	.01	.02	.01	.03
<i>Rickettsia</i>	.00	.00	.00	.01
<i>Sphingobium</i>	.05	.31	.17	.73
<i>Sphingomonas</i>	.02	.03	.07	.47
<i>Trichodesmium</i>	.02	.09	.04	.12
<i>Cystobacter</i>	.00	.00	.00	.02
<i>Deferribacter</i>	.00	.00	.00	.00
<i>Desulfotomaculum</i>	.00	.00	.00	.00
<i>Escherichia</i>	.15	.44	.08	.17
<i>Gemella</i>	.03	.10	.06	.47
<i>Legionella</i>	.00	.00	.00	.01

<i>Pediococcus</i>	.00	.00	.00	.00
<i>Planomicrobium</i>	.01	.03	.00	.01
<i>Ralstonia</i>	.00	.00	.01	.04
<i>Rhodococcus</i>	.04	.16	.02	.18
<i>Thermobaculum</i>	.00	.01	.01	.01
<i>Thiomonas</i>	.00	.01	.00	.01
<i>Anaerofustis</i>	.00	.00	.00	.00
<i>Anaerovibrio</i>	.00	.00	.01	.04
<i>Asticcacaulis</i>	.00	.01	.01	.01
<i>Bacillus</i>	.03	.15	.00	.01
<i>Bradyrhizobium</i>	.01	.02	.01	.03
<i>Bulleidia</i>	.01	.06	.01	.04
<i>Citrobacter</i>	.01	.07	.39	2.56
<i>Cohnella</i>	.02	.04	.03	.10
<i>Coriobacterium</i>	.00	.02	.00	.00
<i>Devosia</i>	.00	.00	.01	.07
<i>Granulicatella</i>	.01	.02	.02	.04
<i>Haemophilus</i>	.00	.01	.00	.01
<i>Mitsuokella</i>	.00	.00	.03	.14
<i>Myroides</i>	.00	.00	.02	.18
<i>Niastella</i>	.00	.00	.01	.03
<i>Ochrobactrum</i>	.00	.02	.00	.02
<i>Parascardovia</i>	.01	.02	.02	.03
<i>Rhodobacter</i>	.01	.01	.02	.04
<i>Rikenella</i>	.00	.00	.00	.01
<i>Sarcina</i>	.07	.18	.15	.45
<i>Sphingopyxis</i>	.00	.02	.01	.04
<i>Succiniclasticum</i>	.01	.09	.01	.03
<i>Variovorax</i>	.00	.01	.00	.01
<i>Acidovorax</i>	.04	.18	.11	.75
<i>Acinetobacter</i>	.08	.24	.11	.42
<i>Aerococcus</i>	.00	.01	.14	1.15
<i>Agrobacterium</i>	.01	.03	.07	.35
<i>Akkermansia</i>	.01	.03	.01	.06
<i>Alicyclophilus</i>	.00	.02	.01	.09
<i>Anoxybacillus</i>	.11	.67	.00	.00
<i>Burkholderia</i>	.05	.21	.02	.05
<i>Caloramator</i>	.00	.00	.00	.00
<i>Catenibacterium</i>	.17	.79	.23	.89
<i>Chroococcus</i>	.02	.06	.01	.05
<i>Citricoccus</i>	.01	.04	.00	.00
<i>Cloacibacillus</i>	.01	.03	.01	.04
<i>Comamonas</i>	.13	.65	.41	2.36
<i>Curvibacter</i>	.00	.01	.00	.01
<i>Dechloromonas</i>	.00	.00	.01	.06
<i>Delftia</i>	.21	1.07	.15	.94
<i>Denitrobacter</i>	.23	1.50	.02	.16
<i>Erwinia</i>	.00	.00	.01	.03
<i>Ferrimicrobium</i>	.00	.00	.00	.01
<i>Fusibacter</i>	.01	.01	.01	.05
<i>Gallionella</i>	.01	.01	.01	.01
<i>Giesbergeria</i>	.01	.05	.00	.01
<i>Gluconacetobacter</i>	.00	.00	.03	.21
<i>Haloanella</i>	.00	.00	.06	.51

<i>Herbaspirillum</i>	.00	.01	.01	.01
<i>Hydrogenophaga</i>	.00	.00	.03	.22
<i>Klebsiella</i>	.12	.86	.01	.03
<i>Leptothrix</i>	.00	.00	.00	.02
<i>Leucobacter</i>	.00	.01	.00	.01
<i>Leuconostoc</i>	.02	.06	.05	.28
<i>Luteimonas</i>	.00	.01	.01	.03
<i>Macrococcus</i>	.01	.02	.00	.00
<i>Mesorhizobium</i>	.01	.04	.00	.03
<i>Methylibium</i>	.00	.00	.04	.33
<i>Mycoplana</i>	.00	.01	.00	.04
<i>Olivibacter</i>	.00	.03	.01	.05
<i>Phenyllobacterium</i>	.08	.69	.00	.03
<i>Plesiomonas</i>	.01	.06	.01	.05
<i>Proteus</i>	.00	.00	.02	.13
<i>Providencia</i>	.00	.00	.00	.01
<i>Pseudochrobactrum</i>	.01	.11	.00	.01
<i>Pseudoclavibacter</i>	.00	.01	.00	.02
<i>Pseudoxanthomonas</i>	.01	.04	.05	.35
<i>Psychrobacter</i>	.00	.00	.24	1.60
<i>Rhizobium</i>	.01	.02	.01	.03
<i>Rhodoferax</i>	.00	.00	.01	.04
<i>Rhodoplanes</i>	.00	.01	.01	.05
<i>Rothia</i>	.00	.00	.00	.01
<i>Sediminibacterium</i>	.00	.00	.00	.02
<i>Serratia</i>	.02	.03	.04	.21
<i>Shinella</i>	.01	.04	.01	.07
<i>Sneathia</i>	.06	.41	.00	.03
<i>Solibacillus</i>	.07	.56	.00	.00
<i>Sphingobacterium</i>	.03	.23	.12	.53
<i>Sporolactobacillus</i>	.01	.01	.00	.00
<i>Stenotrophomonas</i>	.11	.62	.16	.78
<i>Succinivibrio</i>	.02	.15	.01	.06
<i>Thauera</i>	.00	.00	.03	.22
<i>Thermomonas</i>	.00	.00	.04	.35
<i>Vagococcus</i>	.00	.01	.02	.10
<i>Vibrio</i>	.00	.01	.00	.01
<i>Viridibacillus</i>	.03	.13	.01	.04
<i>Xanthomonas</i>	.01	.05	.04	.28
<i>Zobellia</i>	.00	.01	.00	.00

Supplementary Table 3. Mean abundance values \pm SD of bacterial genera from fecal samples categorized per PA level of participants. * $p < 0.05$.

	PA level					
	low		moderate		high	
	Mean	Standard deviation	Mean	Standard deviation	Mean	Standard deviation
<i>Prevotella</i>	3.68	5.38	4.96	9.26	4.57	8.15
<i>Bacteroides</i>	22.86	12.42	22.17	12.37	21.38	10.58
<i>Sedimentibacter</i>	.04	.08	.14	.79	.23	1.08
<i>Porphyromonas</i>	.07	.20	.21	.86	.19	1.00
<i>Peptoniphilus</i>	.15	.08	.44	1.35	.38	1.09
<i>Halanaerobium</i>	.03	.05	.21	.70	.08	.30

<i>Corynebacterium</i>	.52	1.60	.65	1.79	.47	1.88
<i>Negativicoccus</i>	.43	.92	.44	1.14	.71	1.37
<i>Faecalibacterium</i>	13.44	8.62	12.53	6.38	12.70	6.96
<i>Anaerococcus</i>	.03	.05	.33	1.86	.16	.73
<i>Oscillospira</i>	2.10	1.59	2.24	2.03	1.69	1.19
<i>Blautia</i>	7.31	4.89	8.29	5.11	8.30	4.19
<i>Flavobacterium</i>	2.36	1.95	3.19	3.95	2.52	3.27
<i>Roseburia</i>	4.44	3.44	4.38	4.02	5.81	5.72
<i>Campylobacter</i>	.01	.01	.11	.39	.09	.55
<i>Lactobacillus</i>	.11	.12	.79	4.27	.88	2.40
<i>Clostridium</i>	1.01	.63	1.16	.75	1.42	1.29
<i>Ruminococcus</i>	8.97	6.99	8.27	5.75	8.83	5.94
<i>Lachnospira</i>	4.82	2.60	4.16	2.38	4.11	1.91
<i>Methylobacterium</i>	.02	.03	.05	.18	.06	.12
<i>Selenomonas</i>	.13	.22	.20	.39	.34	.83
<i>Aminiphilus</i>	1.14	1.89	.77	2.05	.88	1.65
<i>Megasphaera</i>	.55*	1.08	.12	.24	.11	.37
<i>Coprococcus</i>	.96	1.14	1.55	1.73	1.09	1.25
<i>Fusobacterium</i>	.03	.09	.04	.11	.03	.12
<i>Parabacteroides</i>	3.62	7.36	2.00	2.12	1.81	1.49
<i>Sutterella</i>	.71	.90	.79	1.13	.88	.98
<i>Streptomyces</i>	.01	.01	.02	.07	.02	.06
<i>Arcanobacterium</i>	.01	.02	.02	.09	.00	.01
<i>Streptococcus</i>	2.44	6.05	1.99	3.24	1.98	2.53
<i>Actinomyces</i>	.07	.08	.11	.17	.20	.74
<i>Peptostreptococcus</i>	.03	.04	.05	.24	.03	.06
<i>Mobiluncus</i>	.00	.01	.02	.08	.02	.12
<i>Collinsella</i>	2.47	2.85	1.56	2.45	1.97	3.81
<i>Acidaminococcus</i>	.13	.22	.05	.15	.10	.33
<i>Dorea</i>	.72	.57	.97	1.39	1.88	3.68
<i>Lachnobacterium</i>	1.31*	3.21	.25	.41	.17	.26
<i>Finegoldia</i>	.01	.02	.14	.94	.02	.10
<i>Odoribacter</i>	.22	.19	.24	.20	.22	.22
<i>Borrelia</i>	.00	.00	.01	.03	.00	.02
<i>Brevibacterium</i>	.15	.42	.08	.07	.09	.21
<i>Peptococcus</i>	.09	.07	.13	.12	.13	.12
<i>Slackia</i>	.77	.55	.75	.56	.65	.51
<i>Facklamia</i>	.00	.00	.05	.23	.01	.03
<i>Propionispora</i>	.11	.10	.12	.10	.11	.14
<i>Bilophila</i>	.10	.12	.05	.06	.05	.08
<i>Atopobium</i>	.27	.26	.20	.20	.26	.38
<i>Brevibacillus</i>	.61	.78	.52	.68	.86	1.45
<i>Butyricimonas</i>	.28	.27	.21	.18	.17	.14
<i>Jannaschia</i>	.27	.50	.25	.40	.15	.25
<i>Lactococcus</i>	.09	.13	.38	1.31	.42	.77
<i>Candidatus Phytoplasma</i>	.05	.04	.09	.10	.10	.16
<i>Dialister</i>	1.54*	2.70	.40	.80	.24	.58
<i>Megamonas</i>	.25	.85	.49	3.55	.21	1.33
<i>Veillonella</i>	.09	.04	.10	.07	.13	.17
<i>Ureaplasma</i>	.00	.00	.00	.01	.00	.01
<i>Rhodospirillum</i>	.16	.10	.16	.08	.14	.14
<i>Mesoplasma</i>	.00	.01	.01	.01	.01	.02
<i>Pectinatus</i>	.01	.01	.02	.01	.02	.02
<i>Fibrobacter</i>	.03	.04	.02	.03	.04	.07

<i>Tenacibaculum</i>	.00	.02	.02	.06	.01	.03
<i>Bartonella</i>	.08	.08	.08	.10	.11	.11
<i>Methylocella</i>	.05	.04	.04	.04	.06	.19
<i>Emticicia</i>	.04	.01	.05	.02	.05	.09
<i>Bifidobacterium</i>	.27	.29	.27	.30	.28	.31
<i>Sediminibacillus</i>	.00	.00	.01	.04	.01	.09
<i>Eggerthella</i>	.10	.12	.09	.11	.16	.28
<i>Acholeplasma</i>	.12	.06	.15	.09	.12	.19
<i>Microbacterium</i>	.06	.04	.10	.11	.10	.28
<i>Anaerostipes</i>	.23	.20	.18	.21	.33	.86
<i>Desulfovibrio</i>	.02	.03	.09	.18	.04	.08
<i>Pedobacter</i>	.06	.05	.10	.23	.04	.05
<i>Eubacterium</i>	.54	1.36	1.18	2.88	.69	2.23
<i>Mycobacterium</i>	.00	.01	.01	.01	.00	.01
<i>Paraprevotella</i>	.33*	.49	.21	.30	.12	.26
<i>Varibaculum</i>	.00	.01	.05	.35	.03	.14
<i>Paucibacter</i>	.01	.01	.01	.04	.01	.01
<i>Mogibacterium</i>	.03	.05	.05	.07	.04	.07
<i>Anaerotruncus</i>	.06	.11	.04	.07	.04	.05
<i>Chlorobaculum</i>	.00	.01	.01	.01	.01	.01
<i>Thermoanaerobacterium</i>	.00	.00	.00	.01	.00	.01
<i>Desulfosporosinus</i>	.03	.02	.04	.05	.03	.09
<i>Trabulsiella</i>	.29	.53	.11	.47	.12	.33
<i>Adlercreutzia</i>	.38	1.27	.06	.08	.14	.35
<i>Brachybacterium</i>	.00	.00	.00	.01	.01	.04
<i>Paenibacillus</i>	.02	.02	.04	.11	.02	.02
<i>Pseudomonas</i>	.03	.10	.29	1.16	.86	4.48
<i>Salinicoccus</i>	.63	2.36	.22	.44	.30	.68
<i>Turicibacter</i>	.06	.12	.10	.21	.37	1.65
<i>Enterococcus</i>	.34	.47	.84	1.79	.50	1.25
<i>Lautropia</i>	.01	.02	.02	.05	.02	.10
<i>Stenoxybacter</i>	.01	.00	.01	.01	.01	.03
<i>Dysgonomonas</i>	.01	.01	.02	.06	.01	.01
<i>Geobacillus</i>	.03	.03	.02	.02	.05*	.06
<i>Actinobaculum</i>	.00	.00	.00	.02	.03	.18
<i>Alkaliphilus</i>	.07	.17	.02	.02	.05	.15
<i>Caldicellulosiruptor</i>	.00	.00	.00	.00	.01	.01
<i>Fructobacillus</i>	.04	.03	.04	.03	.05	.08
<i>Natronincola</i>	.02	.01	.04	.11	.03	.06
<i>Phascolarctobacterium</i>	.24	.42	.44	.83	.53	.76
<i>Thermodesulfovibrio</i>	.00	.00	.01	.02	.01	.02
<i>Dethiosulfovibrio</i>	.00	.00	.00	.02	.00	.00
<i>Flammeovirga</i>	.00	.01	.00	.00	.00	.00
<i>Novosphingobium</i>	.00	.00	.00	.01	.01	.03
<i>Oxalobacter</i>	.01	.01	.01	.02	.01	.02
<i>Staphylococcus</i>	.11	.41	.06	.24	.03	.10
<i>Acetobacterium</i>	.00	.00	.03	.16	.01	.03
<i>Azospirillum</i>	.02	.01	.02	.01	.02	.03
<i>Sporosarcina</i>	.00	.01	.10	.74	.01	.01
<i>Syntrophomonas</i>	.01	.01	.01	.03	.01	.01
<i>Caldilinea</i>	.01	.01	.02*	.02	.01	.01
<i>Coprobacillus</i>	.12	.30	.30	1.15	.44	1.44
<i>Jeotgalicoccus</i>	.00	.00	.01	.05	.00	.00
<i>Kitasatospora</i>	.01	.01	.01	.01	.01	.03

<i>Rhodanobacter</i>	.01	.05	.00	.01	.01	.01
<i>Zhouia</i>	.06	.07	.04	.06	.04	.12
<i>Carboxydocella</i>	.00	.00	.00	.00	.00	.00
<i>Carnobacterium</i>	.00	.00	.05	.26	.01	.05
<i>Chryseobacterium</i>	.00	.00	.56	3.13	.01	.02
<i>Enterobacter</i>	.25	.49	.13	.45	.23	.73
<i>Luteococcus</i>	.00	.00	.00	.00	.00	.01
<i>Marinobacter</i>	.00	.00	.00	.01	.01	.01
<i>Microvirus</i>	.02	.01	.02*	.01	.01	.01
<i>Paracoccus</i>	.01	.01	.02	.11	.01	.03
<i>Roseospira</i>	.01	.00	.02	.02	.03	.16
<i>Sinorhizobium</i>	.01	.02	.03	.16	.02	.05
<i>Trichococcus</i>	.03	.08	.02	.02	.08	.45
<i>Amycolatopsis</i>	.01	.01	.01	.00	.01	.06
<i>Anaerofilum</i>	.01	.02	.01	.02	.01	.03
<i>Arcobacter</i>	.00	.00	.09	.47	.04	.29
<i>Brochothrix</i>	.01	.00	.01	.02	.01	.01
<i>Caulobacter</i>	.00	.00	.00	.01	.01	.02
<i>Luteibacter</i>	.02	.07	.00	.01	.01	.01
<i>Pseudoalteromonas</i>	.01	.01	.01	.02	.01	.01
<i>Thermicanus</i>	.00	.00	.01	.01	.01	.01
<i>Thiothrix</i>	.00	.00	.00	.00	.00	.00
<i>Achromobacter</i>	.03	.08	.05	.23	.08	.56
<i>Arthrobacter</i>	.00	.00	.16	1.10	.00	.02
<i>Desulfonatovibrio</i>	.02	.02	.03	.02	.03	.07
<i>Dyadobacter</i>	.00	.00	.01	.03	.00	.00
<i>Holdemania</i>	.04	.04	.03	.07	.03	.03
<i>Loktanella</i>	.04	.16	.06	.28	.13	.44
<i>Tetragenococcus</i>	.01	.00	.01	.01	.01	.02
<i>Weissella</i>	.04	.16	.02	.09	.14	.65
<i>Brevundimonas</i>	.11	.43	.05	.16	.16	.57
<i>Candidatus Endobugula</i>	.00	.00	.00	.01	.00	.00
<i>Ectothiorhodospira</i>	.00	.00	.00	.00	.00	.00
<i>Exiguobacterium</i>	.01	.01	.01	.01	.01	.01
<i>Leptospira</i>	.00	.00	.01	.03	.00	.02
<i>Planifilum</i>	.01	.01	.01	.01	.01	.03
<i>Rickettsia</i>	.00	.01	.00	.01	.00	.00
<i>Sphingobium</i>	.01	.01	.17	.80	.08	.33
<i>Sphingomonas</i>	.02	.02	.02	.05	.07	.47
<i>Trichodesmium</i>	.02	.08	.01	.05	.04	.14
<i>Cystobacter</i>	.00	.00	.00	.02	.00	.00
<i>Deferribacter</i>	.00	.00	.00	.00	.00	.00
<i>Desulfotomaculum</i>	.00	.00	.00	.00	.00	.00
<i>Escherichia</i>	.20	.39	.07	.17	.13	.42
<i>Gemella</i>	.01	.01	.02	.10	.07	.47
<i>Legionella</i>	.00	.00	.00	.01	.00	.00
<i>Pediococcus</i>	.00	.00	.00	.00	.00	.00
<i>Planomicrobium</i>	.00	.00	.01	.03	.00	.00
<i>Ralstonia</i>	.00	.00	.01	.03	.01	.03
<i>Rhodococcus</i>	.01	.04	.06	.25	.01	.08
<i>Thermobaculum</i>	.00	.01	.00	.00	.01	.01
<i>Thiomonas</i>	.01	.02	.00	.00	.00	.01
<i>Anaerofustis</i>	.00	.00	.00	.00	.00	.00
<i>Anaerovibrio</i>	.00	.00	.00	.00	.01	.04

<i>Asticcacaulis</i>	.00	.01	.00	.01	.00	.01
<i>Bacillus</i>	.01	.01	.03	.16	.00	.01
<i>Bradyrhizobium</i>	.01	.02	.01	.02	.01	.03
<i>Bulleidia</i>	.01	.01	.01	.02	.02	.08
<i>Citrobacter</i>	.02	.06	.02	.09	.38	2.58
<i>Cohnella</i>	.03	.08	.02	.02	.03	.10
<i>Coriobacterium</i>	.00	.00	.00	.02	.00	.00
<i>Devosia</i>	.00	.00	.01	.08	.00	.00
<i>Granulicatella</i>	.01	.02	.01	.03	.02	.03
<i>Haemophilus</i>	.00	.00	.01	.02	.00	.01
<i>Mitsuokella</i>	.00	.00	.01	.07	.02	.13
<i>Myroides</i>	.00	.00	.03	.19	.00	.00
<i>Niastella</i>	.00	.00	.01	.00	.01	.03
<i>Ochrobactrum</i>	.00	.00	.00	.01	.01	.03
<i>Parascardovia</i>	.02	.02	.02	.02	.02	.03
<i>Rhodobacter</i>	.01	.01	.01	.02	.01	.04
<i>Rikenella</i>	.00	.01	.00	.00	.00	.00
<i>Sarcina</i>	.05	.08	.10	.23	.13	.44
<i>Sphingopyxis</i>	.00	.00	.01	.04	.01	.03
<i>Succiniclacticum</i>	.00	.00	.00	.00	.02	.10
<i>Variovorax</i>	.01	.02	.00	.01	.00	.01
<i>Acidovorax</i>	.09	.35	.14	.82	.01	.03
<i>Acinetobacter</i>	.06	.17	.08	.27	.12	.42
<i>Aerococcus</i>	.00	.00	.17	1.25	.00	.01
<i>Agrobacterium</i>	.00	.00	.01	.04	.07	.36
<i>Akkermansia</i>	.01	.02	.00	.02	.01	.07
<i>Alicyclophilus</i>	.00	.00	.01	.10	.00	.02
<i>Anoxybacillus</i>	.32*	1.30	.04	.27	.00	.00
<i>Burkholderia</i>	.05	.11	.05	.24	.02	.05
<i>Caloramator</i>	.00	.00	.00	.00	.00	.00
<i>Catenibacterium</i>	.25	.80	.29	1.09	.11	.55
<i>Chroococcus</i>	.01	.02	.03	.08	.01	.01
<i>Citricoccus</i>	.00	.00	.01	.05	.00	.00
<i>Cloacibacillus</i>	.01	.06	.01	.05	.00	.00
<i>Comamonas</i>	.03	.13	.17	.73	.40	2.38
<i>Curvibacter</i>	.00	.00	.00	.01	.00	.01
<i>Dechloromonas</i>	.00	.00	.01	.06	.00	.00
<i>Delftia</i>	.04	.11	.23	1.19	.18	.97
<i>Denitrobacter</i>	.72	2.93	.02	.18	.07	.56
<i>Erwinia</i>	.00	.01	.00	.00	.01	.03
<i>Ferrimicrobium</i>	.00	.00	.00	.01	.00	.01
<i>Fusibacter</i>	.00	.00	.01	.02	.01	.05
<i>Gallionella</i>	.01	.02	.01	.02	.00	.01
<i>Giesbergeria</i>	.00	.00	.00	.01	.01	.05
<i>Gluconacetobacter</i>	.00	.00	.00	.01	.03	.21
<i>Haloanella</i>	.00	.00	.07	.55	.00	.00
<i>Herbaspirillum</i>	.00	.01	.00	.01	.01	.01
<i>Hydrogenophaga</i>	.00	.00	.03	.24	.00	.01
<i>Klebsiella</i>	.46*	1.77	.01	.05	.01	.03
<i>Leptothrix</i>	.00	.00	.00	.03	.00	.00
<i>Leucobacter</i>	.01	.02	.00	.01	.00	.01
<i>Leuconostoc</i>	.02	.05	.01	.02	.05	.29
<i>Luteimonas</i>	.00	.00	.01	.04	.00	.01
<i>Macrococcus</i>	.00	.00	.00	.01	.00	.02

<i>Mesorhizobium</i>	.02	.07	.01	.04	.00	.01
<i>Methylibium</i>	.00	.00	.05	.35	.00	.00
<i>Mycoplana</i>	.00	.00	.01	.04	.00	.00
<i>Olivibacter</i>	.00	.00	.00	.02	.01	.05
<i>Phenylobacterium</i>	.00	.00	.11	.78	.00	.00
<i>Plesiomonas</i>	.03	.12	.00	.00	.01	.05
<i>Proteus</i>	.00	.00	.02	.14	.00	.01
<i>Providencia</i>	.00	.01	.00	.01	.00	.01
<i>Pseudochrobactrum</i>	.00	.00	.00	.00	.02	.12
<i>Pseudoclavibacter</i>	.00	.01	.00	.01	.00	.02
<i>Pseudoxanthomonas</i>	.02	.09	.05	.38	.00	.03
<i>Psychrobacter</i>	.00	.00	.22	1.68	.05	.40
<i>Rhizobium</i>	.00	.01	.01	.03	.01	.02
<i>Rhodoferax</i>	.00	.00	.01	.04	.00	.00
<i>Rhodoplanes</i>	.00	.01	.00	.00	.01	.05
<i>Rothia</i>	.00	.00	.00	.01	.00	.01
<i>Sediminibacterium</i>	.00	.00	.00	.02	.00	.00
<i>Serratia</i>	.02	.04	.02	.05	.04	.21
<i>Shinella</i>	.00	.00	.01	.05	.01	.07
<i>Sneathia</i>	.00	.00	.00	.03	.07	.44
<i>Solibacillus</i>	.00	.00	.09	.63	.00	.00
<i>Sphingobacterium</i>	.00	.01	.04	.15	.12	.57
<i>Sporolactobacillus</i>	.00	.00	.01*	.01	.00	.00
<i>Stenotrophomonas</i>	.03	.08	.18	.85	.11	.65
<i>Succinivibrio</i>	.08	.32	.00	.00	.01	.06
<i>Thauera</i>	.00	.00	.03	.24	.00	.00
<i>Thermomonas</i>	.00	.00	.05	.38	.00	.00
<i>Vagococcus</i>	.00	.02	.00	.01	.02	.10
<i>Vibrio</i>	.00	.01	.00	.01	.00	.01
<i>Viridibacillus</i>	.03	.14	.03	.13	.01	.03
<i>Xanthomonas</i>	.02	.09	.04	.30	.01	.03
<i>Zobellia</i>	.00	.01	.00	.01	.00	.00