

Supplementary table 5. Abundance of gut microbes in the ND-FMT and HFD-FMT mice

Taxon	Bacteria	ND-FMT					HFD-FMT					Mean abundance in ND-FMT (%)	Mean abundance in HFD-FMT (%)	P-value
		ND-FMT-1	ND-FMT-2	ND-FMT-3	ND-FMT-4	ND-FMT-5	HFD-FMT-1	HFD-FMT-2	HFD-FMT-3	HFD-FMT-4	HFD-FMT-5			
Phylum	Acidobacteria	0.04524	0.00179	0.023	0.00978	0	0	0	0.03273	0	0	0.0159612	0.0065458	0.1812205
	Actinobacteria	0.04298	0.06254	0.15893	0.10953	0.1002	0.07086	0.06584	0.20766	0.04915	0.04967	0.0948348	0.0886348	0.8412698
	Bacteroidetes	54.9036	40.8262	64.2605	42.7708	44.4954	52.5744	39.4296	48.1604	44.3388	36.521	49.451308	44.204844	0.4206349
	Chlamydiae	0	0	0	0	0	0	0	0.00113	0	0	0	0.0002258	0.4237108
	Chlorobi	0	0	0.00418	0	0	0	0	0	0	0	0.0008364	0	0.4237108
	Chloroflexi	0.03845	0	0.023	0	0	0	0	0.01354	0	0	0.0122906	0.0027086	0.440686
	Cyanobacteria	0.13119	0.52891	0.54579	0.35207	0.56496	0.28173	0.21358	0.63765	0.64078	0.51145	0.4245826	0.4570396	0.8412698
	Deferribacteres	0.00226	0.02502	0	0.01565	0.0064	0.00337	0.00161	0.02144	0.00189	0	0.0098644	0.0056626	0.4633439
	Bacteria;	42.6129	57.6281	32.7889	53.64	52.6287	44.9322	58.0412	48.2383	51.5972	61.2345	47.859723	52.808673	0.547619
	Gemmatimonadetes	0.01131	0	0	0.00196	0	0	0	0.02257	0	0	0.002653	0.0045144	0.7971697
	Nitrospirae	0	0	0	0	0	0.00506	0	0	0	0	0	0.0010122	0.4237108
	OD1	0	0.00179	0	0	0	0	0	0	0	0	0.0003574	0	0.4237108
	Planctomycetes	0.00679	0.00536	0.04391	0.02347	0	0.00675	0.00161	0.01693	0.00189	0.00184	0.0159062	0.0058026	0.4206349
	Proteobacteria	1.84339	0.43421	0.58343	1.87185	1.21093	1.28045	1.39547	1.43444	1.89211	1.18664	1.1887608	1.4378216	0.547619
	Spirochaetes	0.00226	0.00179	0	0	0	0	0.00161	0	0	0	0.0008098	0.0003212	0.440686
	TM7	0.00226	0.00357	0	0	0.00213	0.10122	0.01124	0.0237	0.07372	0.00184	0.0015936	0.042344	0.0593271
	Tenericutes	0.09952	0.15903	1.17522	0.33056	0.71846	0.08941	0.04657	0.02483	0.72962	0.00736	0.4965562	0.1795584	0.0952381
	Verrucomicrobia	0.15154	0.21442	0.24885	0.75891	0.18548	0.52298	0.67124	1.03605	0.55194	0.27412	0.3118396	0.6112658	0.0952381
	WPS-2	0.00226	0	0	0	0	0	0	0	0	0	0.0004524	0	0.4237108
Class	Acidobacteria-6	0.03845	0.00179	0.00837	0.00978	0	0	0	0.02822	0	0	0.0116766	0.005643	0.1812205
	Solibacteres	0.00679	0	0	0	0	0	0	0	0	0	0.001357	0	0.4237108
	Sva0725	0	0	0.00837	0	0	0	0	0	0	0	0.001673	0	0.4237108
	iii1-8	0	0	0	0	0	0	0	0.00451	0	0	0	0.0009028	0.4237108
	Acidimicrobiia	0.00452	0	0.02509	0	0	0	0	0.00226	0	0	0.0059236	0.0004514	0.440686
	Actinobacteria	0.01131	0.0143	0.03555	0.04694	0.0064	0.02531	0.00964	0.09029	0.00189	0.0092	0.0228984	0.0272632	0.6904762
	Coriobacteriia	0.02488	0.04646	0.02928	0.05868	0.09167	0.03205	0.0546	0.05643	0.04348	0.04048	0.0501932	0.0454062	1
	MB-A2-108	0	0	0.00209	0.00391	0	0.00169	0	0.01242	0	0	0.0012006	0.0028204	1
	Rubrobacteria	0	0	0.02509	0	0	0.00675	0	0	0.00189	0	0.0050188	0.0017276	0.7971697
	Thermoleophilina	0.00226	0	0.04182	0	0.00213	0.00506	0.00161	0.04627	0.00189	0	0.0092434	0.0109658	0.8325188
	Bacteroidia	54.8516	40.7923	64.227	42.7219	44.4314	52.5339	39.367	48.1141	44.2821	36.4254	49.40485	44.144492	0.4206349
	Cytophagia	0.01131	0.00715	0.00627	0.00587	0.01279	0.00506	0.00964	0.00564	0.00189	0.0184	0.0086778	0.0081254	0.4206349
	Flavobacteriia	0	0	0	0	0	0	0.00161	0.00113	0.00189	0.00184	0	0.001293	0.0253699
	Sphingobacteriia	0.00679	0	0	0	0	0	0	0	0.00189	0.00368	0.001357	0.001114	0.7971697

	Chlamydiia	0	0	0	0	0	0	0	0.00113	0	0	0	0.0002258	0.4237108
	OPB56	0	0	0.00418	0	0	0	0	0	0	0	0.0008364	0	0.4237108
	Anaerolineae	0.03167	0	0	0	0	0	0	0.01016	0	0	0.0063332	0.0020314	1
	Chloroflexi	0.00226	0	0.00209	0	0	0	0	0	0	0	0.0008706	0	0.1797125
	Ellin6529	0	0	0.01255	0	0	0	0	0	0	0	0.0025094	0	0.4237108
	Gitt-GS-136	0	0	0.00627	0	0	0	0	0.00339	0	0	0.0012546	0.0006772	1
	TK10	0	0	0.00209	0	0	0	0	0	0	0	0.0004182	0	0.4237108
	Thermomicrobia	0.00452	0	0	0	0	0	0	0	0	0	0.0009048	0	0.4237108
	4C0d-2	0.12666	0.52891	0.5416	0.35012	0.5607	0.27836	0.21036	0.63765	0.64078	0.50409	0.4215974	0.4542506	0.8412698
	Chloroplast	0.00226	0	0	0	0.00426	0	0.00321	0	0	0	0.0013052	0.0006424	0.6072355
	Oscillatoriothymice	0	0	0	0	0	0	0	0	0	0.00184	0	0.000368	0.4237108
	Deferribacteres	0.00226	0.02502	0	0.01565	0.0064	0.00337	0.00161	0.02144	0.00189	0	0.0098644	0.0056626	0.4633439
	Bacilli	0.02262	0.00715	0.01882	0.01565	0.0064	0.0388	0.21679	0.10496	0.0775	0.0184	0.0141258	0.091289	0.031746
	Clostridia	42.5495	57.5834	32.7618	53.6068	52.5157	44.7669	57.6157	48.1006	51.4857	61.2124	47.803437	52.636241	0.547619
	Erysipelotrichi	0.04071	0.03395	0.00418	0.01369	0.10446	0.12484	0.20234	0.02709	0.02646	0	0.0394002	0.0761448	0.8412698
	Gemm-5	0.00226	0	0	0	0	0	0	0	0	0	0.0004524	0	0.4237108
Class	Gemmatimonadetes	0.00905	0	0	0.00196	0	0	0	0.02257	0	0	0.0022006	0.0045144	0.7971697
	Nitrospira	0	0	0	0	0	0.00506	0	0	0	0	0	0.0010122	0.4237108
	ABY1	0	0.00179	0	0	0	0	0	0	0	0	0.0003574	0	0.4237108
	OM190	0	0	0	0	0	0	0	0	0.00189	0	0	0.000378	0.4237108
	Phycisphaerae	0.00452	0.00357	0	0.00391	0	0	0	0	0	0	0.002402	0	0.0720057
	Planctomycetia	0.00226	0.00179	0.04391	0.01956	0	0.00675	0.00161	0.01693	0	0.00184	0.0135046	0.0054246	0.6004018
	Alphaproteobacteria	0.04524	0.01966	0.04391	0.02543	0.01919	0.01687	0.01606	0.01467	0.00189	0.0092	0.030684	0.0117378	0.0079365
	Betaproteobacteria	0.0181	0.01072	0.01046	0.05868	0.02132	0.02531	0.00642	0.08239	0.00189	0.00184	0.023854	0.023569	0.547619
	Deltaproteobacteria	0.87533	0.37345	0.48305	1.6606	1.09368	1.19104	1.3489	1.10376	1.88077	1.16641	0.8972226	1.3381744	0.0952381
	Epsilonproteobacter	0.00452	0.00715	0.01464	0.09193	0.02558	0.0135	0.00642	0.21669	0	0.00552	0.0287644	0.0484256	0.547619
	Gammaproteobacter	0.90021	0.02323	0.03137	0.03325	0.04903	0.03205	0.01766	0.01693	0.00567	0.00368	0.2074178	0.0151994	0.031746
	Spirochaetes	0.00226	0.00179	0	0	0	0	0.00161	0	0	0	0.0008098	0.0003212	0.440686
	TM7-3	0.00226	0.00357	0	0	0.00213	0.10122	0.01124	0.0237	0.07372	0.00184	0.0015936	0.042344	0.0593271
	Mollicutes	0.09952	0.15903	1.17522	0.33056	0.71846	0.08941	0.04657	0.00903	0.72962	0.00736	0.4965562	0.1763984	0.0952381
	RF3	0	0	0	0	0	0	0	0.0158	0	0	0	0.00316	0.4237108
	Opitutae	0.00226	0	0	0	0	0	0	0	0	0	0.0004524	0	0.4237108
	Verrucomicrobiae	0.14928	0.21442	0.24885	0.75891	0.18548	0.52298	0.67124	1.03605	0.55194	0.27412	0.3113872	0.6112658	0.0952381
	CCU21	0	0	0	0	0	0	0	0.00113	0	0	0	0.0002258	0.4237108
	iii1-15	0.03167	0.00179	0.00837	0.00978	0	0	0	0.02709	0	0	0.0103196	0.0054172	0.1812205
Order	Solibacterales	0.00679	0	0	0	0	0	0	0	0	0	0.001357	0	0.4237108
	Sva0725	0	0	0.00837	0	0	0	0	0	0	0	0.001673	0	0.4237108
	DS-18	0	0	0	0	0	0	0	0.00451	0	0	0	0.0009028	0.4237108

	Acidimicrobiales	0.00452	0	0.02509	0	0	0	0	0.00226	0	0	0.0059236	0.0004514	0.440686
	Actinomycetales	0.01131	0.01251	0.03555	0.03716	0.0064	0.00844	0.00803	0.07223	0.00189	0.00736	0.020585	0.0195886	0.4206349
	Bifidobacteriales	0	0.00179	0	0.00978	0	0.01687	0.00161	0.01242	0	0.00184	0.0023134	0.0065462	0.2358613
	Micrococcales	0	0	0	0	0	0	0	0.00564	0	0	0	0.0011286	0.4237108
	Coriobacteriales	0.02488	0.04646	0.02928	0.05868	0.09167	0.03205	0.0546	0.05643	0.04348	0.04048	0.0501932	0.0454062	1
	0319-7L14	0	0	0.00209	0.00391	0	0.00169	0	0.01242	0	0	0.0012006	0.0028204	1
	Rubrobacteriales	0	0	0.02509	0	0	0.00675	0	0	0.00189	0	0.0050188	0.0017276	0.7971697
	Gaiellales	0	0	0.03346	0	0.00213	0.00506	0.00161	0.00451	0	0	0.007118	0.0022362	0.8236644
	Solirubrobacteriales	0.00226	0	0.00837	0	0	0	0	0.04176	0.00189	0	0.0021254	0.0087296	1
	Bacteroidales	54.8516	40.7923	64.227	42.7219	44.4314	52.5339	39.367	48.1141	44.2821	36.4254	49.40485	44.144492	0.4206349
	Cytophagales	0.01131	0.00715	0.00627	0.00587	0.01279	0.00506	0.00964	0.00564	0.00189	0.0184	0.0086778	0.0081254	0.4206349
	Flavobacteriales	0	0	0	0	0	0	0.00161	0.00113	0.00189	0.00184	0	0.001293	0.0253699
	Sphingobacteriales	0.00679	0	0	0	0	0	0	0	0.00189	0.00368	0.001357	0.001114	0.7971697
	Chlamydiales	0	0	0	0	0	0	0	0.00113	0	0	0	0.0002258	0.4237108
	Caldilineales	0.03167	0	0	0	0	0	0	0.01016	0	0	0.0063332	0.0020314	1
	AKIW781	0.00226	0	0.00209	0	0	0	0	0	0	0	0.0008706	0	0.1797125
	AKYG885	0	0	0.00209	0	0	0	0	0	0	0	0.0004182	0	0.4237108
	JG30-KF-CM45	0.00452	0	0	0	0	0	0	0	0	0	0.0009048	0	0.4237108
	YS2	0.12666	0.52891	0.5416	0.35012	0.5607	0.2733	0.20555	0.63653	0.63889	0.50409	0.4215974	0.4516714	0.8412698
Order	Streptophyta	0.00226	0	0	0	0.00426	0	0.00321	0	0	0	0.0013052	0.0006424	0.6072355
	Oscillatoriales	0	0	0	0	0	0	0	0	0	0.00184	0	0.000368	0.4237108
	Deferribacteriales	0.00226	0.02502	0	0.01565	0.0064	0.00337	0.00161	0.02144	0.00189	0	0.0098644	0.0056626	0.4633439
	Bacillales	0.01583	0	0.00837	0	0.00426	0.00169	0	0.00226	0.00189	0	0.0056924	0.0011668	0.3886295
	Lactobacillales	0.00452	0.00179	0.01046	0.01565	0.00213	0.03712	0.15095	0.0474	0.01134	0.0184	0.0069094	0.0530406	0.015873
	Turicibacteriales	0.00226	0.00179	0	0	0	0	0.06584	0.0553	0.06427	0	0.0008098	0.0370814	0.2652054
	Clostridiales	42.4998	57.5549	32.7241	53.5755	52.4965	44.7601	57.5916	48.0633	51.463	61.1646	47.770142	52.608522	0.547619
	Thermoanaerobacte	0	0	0	0.00196	0	0	0	0	0	0	0.0003912	0	0.4237108
	Erysipelotrichales	0.04071	0.03395	0.00418	0.01369	0.10446	0.12484	0.20234	0.02709	0.02646	0	0.0394002	0.0761448	0.8412698
	N1423WL	0.00226	0	0	0.00196	0	0	0	0	0	0	0.0008436	0	0.1797125
	Nitrospirales	0	0	0	0	0	0.00506	0	0	0	0	0	0.0010122	0.4237108
	CL500-15	0	0	0	0	0	0	0	0	0.00189	0	0	0.000378	0.4237108
	WD2101	0.00452	0.00357	0	0.00391	0	0	0	0	0	0	0.002402	0	0.0720057
	Gemmatales	0	0	0.03137	0.00978	0	0	0	0	0	0	0.0082294	0	0.1797125
	Pirellulales	0.00226	0.00179	0.01255	0.00978	0	0.00337	0	0.01693	0	0	0.0052752	0.0040606	0.5900139
	Planctomycetales	0	0	0	0	0	0.00337	0.00161	0	0	0.00184	0	0.001364	0.0720057
	Caulobacteriales	0	0	0	0	0.00853	0	0	0	0	0	0.0017056	0	0.4237108
	RF32	0	0	0.00209	0	0	0	0	0.00113	0	0	0.0004182	0.0002258	1
	Rhizobiales	0.02262	0.00536	0.01673	0.01565	0.00426	0.01181	0.00642	0.00903	0.00189	0.00368	0.012924	0.0065662	0.2222222

	Rhodobacterales	0	0.00179	0	0	0	0	0.00161	0.00113	0	0	0.0003574	0.000547	0.7971697
	Rhodospirillales	0.01583	0.00179	0.01046	0.00978	0.00426	0.00506	0.00803	0.00339	0	0.00552	0.008424	0.004399	0.3095238
	Sphingomonadales	0.00679	0	0.01464	0	0.00213	0	0	0	0	0	0.004711	0	0.0720057
	Burkholderiales	0.01357	0.00179	0.01046	0.05281	0.01706	0.02531	0.00642	0.08126	0.00189	0	0.019136	0.0229754	0.8412698
	MKC10	0	0	0	0.00196	0	0	0	0	0	0	0.0003912	0	0.4237108
	MND1	0.00226	0.00893	0	0	0	0	0	0	0	0	0.0022392	0	0.1797125
	Rhodocyclales	0	0	0	0	0.00213	0	0	0	0	0	0.0004264	0	0.4237108
	Thiobacterales	0	0	0	0.00196	0	0	0	0	0	0	0.0003912	0	0.4237108
	Bdellovibrionales	0	0.00357	0	0	0	0	0	0	0	0	0.0007148	0	0.4237108
	Desulfovibrionales	0.86854	0.36988	0.48096	1.64496	1.09155	1.19104	1.34729	1.10263	1.87888	1.16641	0.8911768	1.3372494	0.0952381
	Myxococcales	0.00226	0	0.00209	0.01565	0.00213	0	0	0.00113	0	0	0.0044266	0.0002258	0.0449086
Order	Syntrophobacterales	0.00452	0	0	0	0	0	0	0	0.00189	0	0.0009048	0.000378	1
	Campylobacterales	0.00452	0.00715	0.01464	0.09193	0.02558	0.0135	0.00642	0.21669	0	0.00552	0.0287644	0.0484256	0.547619
	Enterobacterales	0.00905	0.0143	0.02091	0.02152	0.02345	0.01181	0.01285	0.0079	0.00567	0.00368	0.0178438	0.0083814	0.031746
	Methylococcales	0	0.00179	0	0	0	0	0	0	0	0	0.0003574	0	0.4237108
	Pseudomonadales	0.87759	0.00179	0.01046	0.00196	0.01919	0.01856	0.00321	0.0079	0	0	0.1821952	0.0059338	0.294802
	Xanthomonadales	0.01131	0.00536	0	0.00978	0.0064	0.00169	0.00161	0.00113	0	0	0.0065692	0.0008844	0.0906884
	Spirochaetales	0.00226	0.00179	0	0	0	0	0.00161	0	0	0	0.0008098	0.0003212	0.440686
	CW040	0.00226	0.00357	0	0	0.00213	0.10122	0.01124	0.0237	0.07372	0.00184	0.0015936	0.042344	0.0593271
	Anaeroplasmatales	0.09952	0.15188	1.16894	0.31295	0.71846	0.02193	0.02088	0.00677	0.72017	0.00736	0.4903512	0.155422	0.0952381
	RF39	0	0.00715	0	0.01565	0	0.06748	0.02569	0.00226	0.00945	0	0.004559	0.0209764	0.2358613
	ML615J-28	0	0	0	0	0	0	0	0.0158	0	0	0	0.00316	0.4237108
	Opitutales	0.00226	0	0	0	0	0	0	0	0	0	0.0004524	0	0.4237108
	Verrucomicrobiae	0.14928	0.21442	0.24885	0.75891	0.18548	0.52298	0.67124	1.03605	0.55194	0.27412	0.3113872	0.6112658	0.0952381
	Lentzea	0	0	0	0	0	0	0	0.03837	0	0	0	0.0076744	0.4237108
	Corynebacterium	0	0	0	0	0	0	0	0.00226	0	0	0	0.0004514	0.4237108
	Brachybacterium	0	0.00179	0	0.00196	0	0	0	0	0	0	0.0007486	0	0.1797125
	Serinicoccus	0	0	0.00209	0.00196	0	0	0	0.00113	0	0	0.0008094	0.0002258	0.440686
	Kineosporia	0.00226	0	0	0	0	0	0	0	0	0	0.0004524	0	0.4237108
	Agromyces	0	0.00179	0	0	0	0	0	0	0	0	0.0003574	0	0.4237108
	Kocuria	0.00226	0	0.00418	0	0	0	0	0	0	0	0.0012888	0	0.1797125
Genus	Renibacterium	0.00226	0	0.00209	0	0	0	0	0	0	0	0.0008706	0	0.1797125
	Mycobacterium	0	0	0	0.00587	0.0064	0.00169	0	0	0.00189	0	0.0024528	0.0007154	0.7240817
	Nocardioides	0	0	0.00418	0	0	0	0	0	0	0	0.0008364	0	0.4237108
	Cellulosimicrobium	0	0	0	0.00196	0	0	0	0	0	0	0.0003912	0	0.4237108
	Pseudonocardia	0	0	0	0	0	0	0	0.00903	0	0	0	0.0018058	0.4237108
	Streptomyces	0	0.00357	0	0	0	0	0	0	0	0	0.0007148	0	0.4237108
	Bifidobacterium	0	0.00179	0	0.00978	0	0.01687	0.00161	0.01242	0	0.00184	0.0023134	0.0065462	0.2358613

	Adlercreutzia	0.02262	0.0411	0.01882	0.03912	0.07035	0.02531	0.04496	0.01467	0.03402	0.03864	0.0384016	0.0315198	0.6904762
	Eggerthella	0	0	0	0	0	0	0.00161	0.00113	0	0.00184	0	0.000915	0.0720057
	Rubrobacter	0	0	0.02509	0	0	0.00675	0	0	0.00189	0	0.0050188	0.0017276	0.7971697
	Bacteroides	0.09726	0.12329	0.11919	0.24058	0.11086	4.18551	2.21444	1.94231	2.92038	1.67234	0.1382378	2.5869954	0.0079365
	Parabacteroides	0.00905	0.03395	0.00418	0.10758	0.03198	0.01687	0.00642	0.19525	0.00378	0.00184	0.037347	0.0448318	0.4206349
	Prevotella	0.04524	0.02144	0.04601	0.1154	0.04477	3.07882	0.66642	2.97948	0.86383	2.11756	0.054571	1.9412218	0.0079365
	AF12	1.40912	1.65821	1.40942	1.30462	1.72686	0.66975	0.63109	1.06765	0.61432	0.63104	1.501646	0.722769	0.0079365
	PW3	0	0	0	0	0	0	0	0	0	0.00184	0	0.000368	0.4237108
	Rikenella	0.01583	0.00536	0.01882	0.0176	0.02132	0.45887	0.56686	0.46498	0.26463	0.47282	0.0157874	0.4456314	0.0079365
	Adhaeribacter	0.00452	0	0	0	0	0	0	0	0	0	0.0009048	0	0.4237108
	Pontibacter	0	0	0	0	0	0	0.00161	0	0	0	0	0.0003212	0.4237108
	Persicobacter	0.00452	0.00715	0.00627	0.00587	0.01279	0.00506	0.00803	0.00564	0.00189	0.0184	0.0073208	0.0078042	0.8412698
	Flavobacterium	0	0	0	0	0	0	0.00161	0.00113	0.00189	0	0	0.000925	0.0720057
	Sphingobacterium	0	0	0	0	0	0	0	0	0.00189	0.00368	0	0.001114	0.1797125
	Mucispirillum	0.00226	0.02502	0	0.01565	0.0064	0.00337	0.00161	0.02144	0.00189	0	0.0098644	0.0056626	0.4633439
	Anoxybacillus	0	0	0.00209	0	0	0	0	0	0	0	0.0004182	0	0.4237108
	Staphylococcus	0	0	0	0	0.00426	0.00169	0	0.00226	0.00189	0	0.0008528	0.0011668	0.4801769
	Aerococcus	0	0	0	0	0	0.00169	0	0	0	0	0	0.0003374	0.4237108
Genus	Lactobacillus	0	0.00179	0.01046	0.01565	0.00213	0.02868	0.14774	0.0474	0.00945	0.01656	0.0060046	0.0499652	0.031746
	Streptococcus	0.00452	0	0	0	0	0.00337	0.00321	0	0.00189	0.00184	0.0009048	0.0020632	0.2652054
	Turicibacter	0.00226	0.00179	0	0	0	0	0.06584	0.0553	0.06427	0	0.0008098	0.0370814	0.2652054
	CandidatusArthromi	0	0.05003	0	0.00782	0.00853	0	0	0.03273	0.00189	0.0092	0.0132768	0.0087636	1
	Clostridium	0.04524	0.04467	0	0.08997	0.02772	0.01181	0.00642	0.0158	0.06994	0.03496	0.0415196	0.027785	0.547619
	Dehalobacterium	0.21714	0.17333	0.20075	0.31882	0.27289	0.15521	0.15898	0.22008	0.24006	0.26861	0.2365834	0.208584	0.547619
	Anaerostipes	0	0	0	0	0	0.00337	0	0	0	0	0	0.0006748	0.4237108
	Blautia	0.00226	0	0	0	0	0	0	0	0	0	0.0004524	0	0.4237108
	Coprococcus	0.20583	0.74691	0.28858	0.57309	0.23451	0.33403	0.71781	1.79785	0.48201	0.73222	0.4097834	0.8127826	0.2222222
	Dorea	0.02262	0.02502	0.02091	0.06259	0.00213	0.02362	0.04496	0.04063	0.01134	0.07543	0.0266534	0.0391962	0.4206349
	Moryella	0.00226	0.00179	0	0.00196	0.00213	0.00337	0.00642	0	0.00189	0.01288	0.0016274	0.004913	0.3457418
	Pseudobutyrvibrio	0	0.00179	0	0	0	0	0	0	0	0	0.0003574	0	0.4237108
	Roseburia	0.00226	0	0	0.0313	0.01279	0.04386	0.02409	0.13656	0.06994	0.00368	0.0092698	0.0556256	0.0593271
	Anaerotruncus	0.57677	0.42885	0.14847	0.91539	0.51593	0.32053	0.11562	0.17042	0.66158	0.46546	0.5170788	0.3467212	0.4206349
	Ethanoligenens	0	0	0	0	0.00213	0	0	0	0	0	0.0004264	0	0.4237108
	Faecalibacterium	0.00226	0.01608	0.00627	0.04694	0.0064	0.26486	0.04657	0.2212	0.01323	0.01472	0.0155912	0.1121172	0.1507937
	Oscillospira	9.71682	15.8012	6.71462	14.5855	19.296	14.3026	17.905	13.9629	13.2107	9.48211	13.222849	13.772676	0.8412698
	Ruminococcus	1.09246	1.44379	0.79045	1.68994	1.65011	1.43228	1.98802	1.89603	0.86572	0.92724	1.3333496	1.4218588	0.8412698
	Phascolarctobacteri	0	0	0	0	0	0	0.00482	0	0	0	0	0.0009634	0.4237108
	Sporomusa	0	0.00179	0	0	0	0	0	0	0	0	0.0003574	0	0.4237108

	Caldicellulosiruptor	0	0	0	0.00196	0	0	0	0	0	0.0003912	0	0.4237108	
	Allobaculum	0	0	0.00418	0.00196	0	0.1046	0.18146	0.02596	0.01323	0	0.0012276	0.0650488	0.0669553
	Coprobacillus	0	0.01072	0	0	0.00213	0	0	0	0	0.0025706	0	0.1797125	
	cc_115	0.02488	0.01072	0	0.00587	0.05756	0	0.00803	0	0	0.0198062	0.0016058	0.0746392	
	Gemmata	0	0	0.01673	0.00978	0	0	0	0	0	0.0053018	0	0.1797125	
	Pirellula	0.00226	0	0	0	0	0	0	0	0	0.0004524	0	0.4237108	
	Planctomyces	0	0	0	0	0.00337	0.00161	0	0	0.00184	0	0.001364	0.0720057	
	Bosea	0	0	0.00209	0	0	0	0	0	0	0.0004182	0	0.4237108	
	Bradyrhizobium	0	0	0	0	0.00675	0.00321	0	0	0	0	0.001992	0.1797125	
	Ochrobactrum	0	0	0	0	0	0	0.00113	0	0	0	0.0002258	0.4237108	
	Rhodoplanes	0	0	0.00627	0	0	0	0	0	0	0.0012546	0	0.4237108	
	Methylobacterium	0.02036	0	0	0.00978	0.00213	0	0	0	0	0.0064536	0	0.0720057	
	Pleomorphomonas	0	0	0	0.00196	0	0	0	0	0	0.0003912	0	0.4237108	
	Aminobacter	0.00226	0	0	0	0	0	0	0	0	0.0004524	0	0.4237108	
	Mesorhizobium	0	0	0	0.00196	0	0.00337	0	0.00677	0	0.00368	0.0003912	0.0027652	0.1579393
	Phyllobacterium	0	0	0	0	0	0.00161	0	0	0	0	0.0003212	0.4237108	
	Agrobacterium	0	0.00536	0	0.00196	0.00213	0	0.00161	0	0.00189	0	0.0018898	0.0006992	0.2652054
	Paracoccus	0	0	0	0	0	0.00161	0.00113	0	0	0	0.000547	0.1797125	
Genus	Rhodobacter	0	0.00179	0	0	0	0	0	0	0	0.0003574	0	0.4237108	
	Acetobacter	0	0.00179	0.00837	0.00782	0.00426	0.00337	0.00803	0.00339	0	0.00368	0.004448	0.0036938	0.753298
	Roseomonas	0	0	0.00209	0	0	0.00169	0	0	0	0.0004182	0.0003374	1	
	Skermanella	0.01357	0	0	0	0	0	0	0	0	0.0027142	0	0.4237108	
	Erythrobacter	0	0	0	0	0.00213	0	0	0	0	0.0004264	0	0.4237108	
	Kaistobacter	0.00226	0	0	0	0	0	0	0	0	0.0004524	0	0.4237108	
	Sphingomonas	0.00226	0	0.00418	0	0	0	0	0	0	0.0012888	0	0.1797125	
	Sutterella	0.00452	0	0.00837	0.04694	0.01066	0.01856	0.00321	0.07787	0.00189	0	0.0140984	0.0203064	0.9165626
	Methylibium	0.00226	0	0	0	0	0	0	0	0	0.0004524	0	0.4237108	
	Mitsuaria	0	0	0.00209	0	0	0	0	0	0	0.0004182	0	0.4237108	
	Roseateles	0	0.00179	0	0	0	0	0	0	0	0.0003574	0	0.4237108	
	Rubrivivax	0	0	0	0.00587	0	0	0	0	0	0.0011736	0	0.4237108	
	Schlegelella	0	0	0	0	0	0	0.00226	0	0	0	0.0004514	0.4237108	
	Xenophilus	0.00226	0	0	0	0	0	0	0	0	0.0004524	0	0.4237108	
	Cupriavidus	0	0	0	0	0.00675	0	0	0	0	0	0.0013496	0.4237108	
	Dechloromonas	0	0	0	0	0.00213	0	0	0	0	0.0004264	0	0.4237108	
	Thiobacter	0	0	0	0.00196	0	0	0	0	0	0.0003912	0	0.4237108	
	Bdellovibrio	0	0.00357	0	0	0	0	0	0	0	0.0007148	0	0.4237108	
	Bilophila	0.44332	0.01608	0.01464	0.51637	0.27502	0.57696	0.53314	0.17268	0.52359	0.50593	0.2530856	0.4624592	0.0952381
	Desulfovibrio	0.40939	0.327	0.45796	1.01514	0.79521	0.52298	0.78525	0.72907	1.31748	0.64392	0.6009382	0.799739	0.4206349

	Haliangium	0.00226	0	0	0	0	0	0	0	0	0	0.0004524	0	0.4237108
	Plesiocystis	0	0	0	0.01565	0	0	0	0.00113	0	0	0.0031296	0.0002258	1
	Syntrophus	0	0	0	0	0	0	0	0	0.00189	0	0	0.000378	0.4237108
	Flexispira	0.00452	0.00536	0.01464	0.09193	0.02558	0.01181	0.00642	0.21669	0	0.00552	0.0284072	0.0480882	0.8412698
	Helicobacter	0	0.00179	0	0	0	0.00169	0	0	0	0	0.0003574	0.0003374	1
	Brenneria	0	0	0	0	0.00213	0	0	0.00113	0	0	0.0004264	0.0002258	1
	Citrobacter	0.00226	0	0	0.00978	0	0	0	0	0	0	0.0024084	0	0.1797125
	Erwinia	0	0	0.00209	0	0	0	0	0	0	0	0.0004182	0	0.4237108
	Gluconacetobacter	0	0	0.00837	0	0	0	0	0	0	0	0.001673	0	0.4237108
	Klebsiella	0	0.00179	0.00209	0	0.00853	0.00169	0.00642	0.00113	0.00189	0.00184	0.0024812	0.0025938	0.8340352
	Salmonella	0.00679	0.00536	0.00418	0.00782	0.00426	0.00337	0.00321	0.00226	0.00378	0.00184	0.0056832	0.0028926	0.0079365
	Trabulsiella	0	0	0	0	0	0	0	0.00113	0	0	0	0.0002258	0.4237108
	Methylocaldum	0	0.00179	0	0	0	0	0	0	0	0	0.0003574	0	0.4237108
Genus	Acinetobacter	0.02036	0.00179	0.01046	0	0.01919	0.01181	0.00321	0.00226	0	0	0.0103572	0.0034556	0.3976148
	Enhydrobacter	0.85497	0	0	0.00196	0	0	0	0	0	0	0.1713856	0	0.1797125
	Psychrobacter	0	0	0	0	0	0.00506	0	0.00564	0	0	0	0.0021408	0.1797125
	Pseudomonas	0	0	0	0	0	0.00169	0	0	0	0	0	0.0003374	0.4237108
	Arenimonas	0	0	0	0	0	0	0.00161	0	0	0	0	0.0003212	0.4237108
	Lysobacter	0.00452	0	0	0.00782	0	0	0	0	0	0	0.0024696	0	0.1797125
	Stenotrophomonas	0.00226	0	0	0	0	0	0	0	0	0	0.0004524	0	0.4237108
	Xanthomonas	0	0	0	0.00196	0	0	0	0	0	0	0.0003912	0	0.4237108
	Treponema	0.00226	0.00179	0	0	0	0	0.00161	0	0	0	0.0008098	0.0003212	0.440686
	Anaeroplasm	0.09952	0.15188	1.16894	0.311	0.71846	0.02193	0.02088	0.00677	0.72017	0.00552	0.48996	0.155054	0.0952381
	Opitutus	0.00226	0	0	0	0	0	0	0	0	0	0.0004524	0	0.4237108
	Akkermansia	0.14928	0.21442	0.24885	0.75304	0.18548	0.51792	0.67124	1.03605	0.55194	0.27412	0.3102138	0.6102536	0.0952381
	Prostheco	0	0	0	0	0	0.00169	0	0	0	0	0	0.0003374	0.4237108