

Proteobacter name	Phylo-group	*% present	HHLT1	HHLT2	HHLT3	HHLT4	HHLT5	HHLT6	HHLT7	HHLT8	HHLT9	HHLT10	HHLT11	HHLT12	HHLT13	HHLT14	HHLT15	HHLT16	HHLT17	HHLT18	HHLT19	HHLT20	HHLT21	HHLT22	HHLT23	HHLT24	HHLT25	HHLT26	HHLT27	HHLT28		
S001_Geophysobacter	Geophysobacter spp.	9.1%	10.0%	8.7%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S002_Pannobacter	Pannobacter spp.	0.0%	0.0%	0.0%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S003_Novosphingiobium	Novosphingiobium spp.	0.0%	0.0%	0.0%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S004_Mesorhizobium	Mesorhizobium spp.	9.1%	0.0%	8.7%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S005_Bradyrhizobium	Bradyrhizobium spp.	0.0%	0.0%	0.0%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S006_Methyllobacteri	Methyllobacteri spp.	0.0%	0.0%	0.0%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S007_Terasakiella	Terasakiella spp.	9.1%	0.0%	8.7%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S008_Roseospirillum	Roseospirillum spp.	9.1%	10.0%	8.7%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S009_Terasakiella	Terasakiella spp.	0.0%	0.0%	0.0%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S010_Terasakiella	Terasakiella spp.	4.5%	0.0%	4.3%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S011_Ralstonia	Ralstonia spp.	0.0%	0.0%	0.0%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S012_Wauteria	Wauteria pallidii	0.0%	10.0%	0.0%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S013_Wauteria	Wauteria paucula	0.0%	0.0%	0.0%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S014_Oxalobacter	Oxalobacter formigenes	9.1%	10.0%	8.7%	A	P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S015_Oxalobacter	Oxalobacter formigenes	0.0%	0.0%	0.0%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S016_Oxalobacter	Oxalobacter spp.	0.0%	10.0%	0.0%	A	A	A	A	P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S017_Herbaspirillum	Herbaspirillum spp.	4.5%	0.0%	4.3%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S018_Kerstersia	Kerstersia gyiorum	0.0%	0.0%	0.0%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S019_Suttermella	Suttermella spp.	18.2%	30.0%	17.4%	A	P	A	P	A	P	A	P	A	P	P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S020_Suttermella	Suttermella spp.	4.5%	30.0%	4.3%	A	A	A	P	P	A	P	A	P	A	P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S021_Suttermella	Suttermella spp.	13.6%	30.0%	13.0%	A	A	A	P	P	A	P	A	P	A	P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S022_Burkholderiace	Burkholderiaceae spp.	50.0%	10.0%	47.8%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S023_Paucimonas	Paucimonas spp.	9.1%	0.0%	8.7%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S025_Limnobacter	Limnobacter spp.	90.9%	90.0%	87.0%	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S026_Neisseria	Neisseria spp.	0.0%	0.0%	0.0%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S027_Laribacter	Laribacter hongkongensis	0.0%	0.0%	0.0%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S028_Methanobacteri	Methanobacteri denitrificans	0.0%	0.0%	0.0%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S029_Rhodanobacter	Rhodanobacter spp.	0.0%	0.0%	0.0%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S030_Acinetobacter	Acinetobacter parvus	4.5%	0.0%	4.3%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S031_Acinetobacter	Acinetobacter spp.	0.0%	0.0%	0.0%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S032_Succinivibrio	Succinivibrio spp.	0.0%	0.0%	0.0%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S033_Escherichia	Escherichia coli	68.2%	20.0%	65.2%	A	P	A	A	A	A	A	A	P	A	P	A	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P
S034_Klebsiella	Klebsiella pneumoniae	4.5%	0.0%	4.3%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S035_Raoultella	Raoultella spp.	4.5%	10.0%	4.3%	A	A	A	A	A	A	A	A	P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S036_Yersinia	Yersinia aleksandri	22.7%	20.0%	21.7%	P	A	P	A	A	P	A	P	A	P	A	P	A	P	A	P	A	P	A	P	A	P	A	P	A	P	A	P
S037_Enterobacter	Enterobacter spp.	22.7%	60.0%	21.7%	P	A	P	P	A	P	A	P	P	A	P	P	A	P	P	A	P	P	A	P	P	A	P	P	A	P	P	P
S038_Shigella	Shigella spp.	72.7%	70.0%	69.6%	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S039_Haemophilus	Haemophilus spp.	90.9%	90.0%	87.0%	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S040_Desulfovibrio	Desulfovibrio spp.	9.1%	10.0%	8.7%	A	A	A	P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S041_Desulfovibrio	Desulfovibrio spp.	22.7%	20.0%	21.7%	A	P	A	P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S042_Desulfovibrio	Desulfovibrio spp.	0.0%	0.0%	0.0%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S043_Desulfovibrio	Desulfovibrio spp.	77.3%	60.0%	73.9%	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S044_Campylobacter	Campylobacter jejuni	9.1%	20.0%	8.7%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S045_Campylobacter	Campylobacter faecalis	0.0%	0.0%	0.0%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S046_Campylobacter	Campylobacter spp.	4.5%	20.0%	4.3%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S047_Accetivibrio	Accetivibrio spp.	13.6%	30.0%	13.0%	A	A	A	P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S048_Accetivibrio	Accetivibrio spp.	4.5%	20.0%	4.3%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S049_Accetivibrio	Accetivibrio spp.	4.5%	0.0%	4.3%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S050_Accetivibrio	Accetivibrio spp.	18.2%	30.0%	17.4%	A	P	A	P	A	P	A	P	A	P	A	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
S051_Accetivibrio	Accetivibrio spp.	4.5%	0.0%	4.3%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S052_Accetivibrio	Accetivibrio spp.	18.2%	30.0%	17.4%	A	P	A	P	A	P	A	P	A	P	A	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
S053_Accetivibrio	Accetivibrio spp.	0.0%	0.0%	0.0%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S054_Accetivibrio	Accetivibrio spp.	0.0%	0.0%	0.0%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S055_Accetivibrio	Accetivibrio spp.	9.1%	30.0%	30.4%	P	A	P	A	P	A	P	A	P	P	A	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
S056_Accetivibrio	Accetivibrio spp.	9.1%	20.0%	8.7%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S057_Accetivibrio	Accetivibrio spp.																															

Protein name	Phylo-group	* Present	HHLT1	HHLT2	HHLT3	HHLT4	HHLT5	HHLT6	HHLT7	HHLT8	HHLT9	HHLT10	HHLT11	HHLT12	HHLT13	HHLT14	HHLT15	HHLT16	HHLT17	HHLT18	HHLT19	HHLT20	HHLT21	HHLT22	HHLT23	HHLT24	HHLT25	HHLT26	HHLT27	HHLT28	
S500_Papillibacter	Papillibacter spp.	68.2%	70.0%	65.2%	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A	A	A	A	
S501_Acetivibrio	Acetivibrio spp.	0.0%	0.0%	0.0%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
S502_Clostridiaceae	Clostridiaceae spp.	90.9%	80.0%	87.0%	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
S503_Coprococcus	Coprococcus spp.	4.5%	10.0%	4.3%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
S504_Aerotruncus	Aerotruncus spp.	77.3%	90.0%	73.9%	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
S505_Dehalobacter	Dehalobacter spp.	36.4%	40.0%	34.8%	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
S506_Fusibacter	Fusibacter spp.	31.8%	30.0%	30.4%	A	A	P	P	A	P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
S507_Hespeilia	Hespeilia spp.	18.2%	60.0%	17.4%	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
S508_Ruminococcus	Ruminococcus spp.	100.0%	90.0%	95.7%	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
S509_Ruminococcus	Ruminococcus spp.	36.4%	10.0%	34.8%	A	A	A	P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
S510_Accinibacter	Accinibacter spp.	0.0%	0.0%	0.0%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
S511_Aerotomicrospora	Sporobacter spp.	4.5%	4.0%	4.5%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
S512_Aerotruncus	Aerotruncus spp.	0.0%	0.0%	0.0%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
S513_Papillibacter	Papillibacter spp.	13.6%	30.0%	13.0%	A	A	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
S514_Eubacterium	Eubacterium spp.	68.2%	80.0%	65.2%	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
S515_Accinibacter	Accinibacter spp.	54.5%	80.0%	52.2%	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
S517_Aerotruncus	Aerotruncus spp.	4.5%	0.0%	4.3%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
S518_Coprococcus	Coprococcus spp.	27.3%	50.0%	26.1%	A	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
S520_Papillibacter	Papillibacter spp.	18.2%	30.0%	17.4%	A	A	A	P	A	P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
S521_Papillibacter	Papillibacter spp.	50.0%	80.0%	47.8%	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
S522_Papillibacter	Papillibacter spp.	54.5%	70.0%	52.2%	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
S524_Eubacteriaceae	Eubacteriaceae spp.	72.7%	70.0%	69.6%	P	A	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
S525_Ruminococcus	Ruminococcus spp.	100.0%	90.0%	95.7%	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
S527_Clostridiaceae	Clostridiaceae spp.	77.3%	60.0%	73.9%	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
S528_Ruminococcus	Ruminococcus spp.	86.4%	90.0%	82.6%	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
S529_Clostridiaceae	Clostridiaceae spp.	95.5%	80.0%	91.3%	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
S531_Paraspasrobacter	Paraspasrobacter spp.	13.6%	50.0%	13.0%	A	A	P	A	P	A	P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S532_Ruminococcus	Ruminococcus spp.	72.7%	50.0%	69.6%	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
S533_Ruminococcus	Ruminococcus spp.	100.0%	90.0%	95.7%	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
S534_Ruminococcus	Ruminococcus spp.	18.2%	30.0%	17.4%	P	A	P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S535_Garcilia	Garcilia spp.	31.8%	30.0%	30.4%	A	A	P	A	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S536_Ruminococcus	Ruminococcus spp.	100.0%	90.0%	95.7%	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
S537_Lachnospiraceae	Lachnospiraceae spp.	100.0%	90.0%	95.7%	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
S538_Acidaminococcace	Acidaminococcaceae spp.	22.7%	60.0%	21.7%	A	A	P	A	P	A	P	A	P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S539_Ruminococcus	Ruminococcus spp.	100.0%	90.0%	95.7%	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S540_Clostridium	Clostridium spp.	90.9%	90.0%	87.0%	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S541_Papillibacter	Papillibacter spp.	100.0%	90.0%	95.7%	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S542_Subdoligranulum	Subdoligranulum spp.	95.5%	70.0%	91.3%	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S543_Lachnospiraceae	Lachnospiraceae spp.	59.1%	70.0%	56.5%	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S544_Papillibacter	Papillibacter spp.	59.1%	90.0%	56.5%	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S545_Papillibacter	Papillibacter spp.	54.5%	60.0%	55.5%	A	A	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S546_Roseburia	Roseburia spp.	63.6%	60.0%	60.9%	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S547_Accinimococcace	Accinimococcaceae spp.	33.7%	60.0%	16.1%	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S548_Papillibacter	Papillibacter spp.	63.6%	90.0%	60.9%	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S549_Aerotruncus	Aerotruncus spp.	9.1%	20.0%	8.7%	A	A	A	P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S550_Sporobacter	Sporobacter spp.	9.1%	30.0%	8.7%	A	A	P	A	A	P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S551_Papillibacter	Papillibacter spp.	22.7%	40.0%	21.7%	A	A	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S552_Papillibacter	Papillibacter spp.	27.3%	80.0%	26.1%	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S554_Lachnospiraceum	Lachnospiraceum spp.	27.3%	90.0%	91.3%	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S555_Eubacteriaceae	Eubacteriaceae spp.	95.5%	90.0%	86.4%	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S556_Papillibacter	Papillibacter spp.	90.9%	90.0%	87.0%	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S557_Ruminococcus	Ruminococcus spp.	0.0%	0.0%	0.0%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S558_Ruminococcus	Ruminococcus spp.	0.0%	0.0%	0.0%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S559_Ruminococcus	Ruminococcus spp.	59.1%	70.0%	56.5%	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S560_Accinibacter	Accinibacter spp.	4.5%	10.0%	4.3%	A	A	A	P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S561_Mahella	Mahella spp.	31.8%	30.0%	30.4%	A	A	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S562_Clostridiales	Clostridiales spp.	45.5%	30.0%	43.5%	A	P	A	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S563_Mahella	Mahella spp.	9.1%																													

Proteobacter	Phylo-group	% Present	MHT1	MHT2	MHT3	MHT4	MHT5	MHT6	MHT7	MHT8	MHT9	MHT10	MHT11	MHT12	MHT13	MHT14	MHT15	MHT16	MHT17	MHT18	MHT19	MHT20	MHT21	MHT22	MHT23	MHT24	MHT25	MHT26	MHT27	MHT28		
S662_Holdemaniia	Holdemaniia spp.	13.6%	40.0%	13.0%	A	A	P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S663_Bacilli	Bacilli spp.	0.0%	0.0%	0.0%	A	A	P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S664_Holdemaniia	Holdemaniia spp.	18.2%	30.0%	17.4%	A	A	P	P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S665_Actinobirrio	Actinobirrio spp.	0.0%	0.0%	0.0%	A	A	P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S666_Bryantella	Bryantella spp.	40.9%	50.0%	39.1%	A	P	P	P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S667_Coprobacillus	Coprobacillus spp.	4.5%	0.0%	4.3%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S669_Ruminococcus	Ruminococcus spp.	100.0%	80.0%	95.7%	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S670_Actinobirrio	Actinobirrio spp.	0.0%	0.0%	0.0%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S671_Synthrophococcus	Synthrophococcus spp.	86.4%	60.0%	82.6%	A	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S672_Synthrophococcus	Synthrophococcus spp.	0.0%	0.0%	0.0%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S673_Collinsella	Collinsella spp.	31.8%	40.0%	30.4%	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S674_Eggerthella	Eggerthella spp.	63.6%	70.0%	20.0%	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S675_Eggerthella	Eggerthella lenta	0.0%	0.0%	0.0%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S676_Eggerthella	Eggerthella spp.	18.2%	10.0%	17.4%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S677_Eggerthella	Eggerthella spp.	77.3%	90.0%	73.9%	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
S678_Eggerthella	Eggerthella lenta	31.8%	0.0%	30.4%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S679_Eggerthella	Eggerthella spp.	22.7%	0.0%	21.7%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S680_Eggerthella	Eggerthella spp.	4.5%	30.0%	4.3%	A	P	A	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S681_Slackia	Slackia spp.	9.1%	60.0%	8.7%	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S682_Actinomyces	Actinomyces spp.	0.0%	0.0%	0.0%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S683_Actinomyces	Actinomyces spp.	68.2%	50.0%	65.2%	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
S684_Rothia	Rothia spp.	40.9%	40.0%	39.1%	A	P	P	P	A	P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S685_Brachybacterium	Brachybacterium spp.	4.5%	0.0%	4.3%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S686_Corynebacterium	Corynebacterium spp.	0.0%	0.0%	0.0%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S687_Corynebacterium	Corynebacterium spp.	0.0%	0.0%	0.0%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S688_Corynebacterium	Corynebacterium spp.	13.6%	0.0%	13.0%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S689_Corynebacterium	Corynebacterium spp.	30.8%	50.0%	30.0%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S690_Bifidobacterium	Bifidobacterium spp.	31.3%	20.0%	20.4%	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S691_Bifidobacterium	Bifidobacterium catenulatum	68.2%	0.0%	65.2%	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S692_Bifidobacterium	Bifidobacterium spp.	63.6%	40.0%	60.9%	A	P	A	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S693_Bifidobacterium	Bifidobacterium spp.	9.1%	20.0%	8.7%	A	A	A	P	A	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S694_Bifidobacterium	Bifidobacterium longum	81.8%	50.0%	78.3%	A	P	A	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S695_Bifidobacterium	Bifidobacterium spp.	0.0%	0.0%	0.0%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S697_Bifidobacterium	Bifidobacterium adolescentis	95.5%	80.0%	91.3%	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S698_Bifidobacterium	Bifidobacterium spp.	36.4%	30.0%	34.8%	A	P	A	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S699_Bifidobacterium	Bifidobacterium adolescentis	50.0%	50.0%	47.8%	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S700_Bifidobacterium	Bifidobacterium spp.	9.1%	10.0%	8.7%	A	P	A	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S701_Bifidobacterium	Bifidobacterium spp.	40.9%	40.0%	39.1%	A	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S702_Brachyspira	Brachyspira spp.	31.8%	0.0%	30.4%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S703_Brachyspira	Brachyspira borogili	18.2%	70.0%	49.0%	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S704_Lepthorina	Lepthorina bromii	13.6%	0.0%	13.0%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S705_Lepthorina	Lepthorina illini	0.0%	0.0%	0.0%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S706_Bacteroides	Bacteroides eggerthii	18.2%	20.0%	17.4%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S707_Bacteroides	Bacteroides fragilis	40.9%	30.0%	39.1%	A	P	A	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S708_Bacteroides	Bacteroides caccae	50.0%	70.0%	47.8%	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S709_Bacteroides	Bacteroides spp.	91.8%	80.0%	78.3%	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S710_Bacteroides	Bacteroides spp.	81.8%	60.0%	65.2%	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S711_Bacteroides	Bacteroides sylvestrii	13.6%	20.0%	13.0%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S712_Bacteroides	Bacteroides spp.	4.5%	30.0%	4.3%	A	P	A	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S713_Bacteroides	Bacteroides spp.	4.5%	30.0%	4.3%	A	P	A	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S714_Bacteroides	Bacteroides spp.	0.0%	0.0%	0.0%	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
S715_Bacteroides	Bacteroides thetaiotaomicron	95.5%	90.0%	93.5%	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S716_Bacteroides	Bacteroides spp.	9.1%	10.0%	8.0%	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S717_Bacteroides	Bacteroides thetaiotaomicron	63.6%	0.0%	60.9%	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S718_Bacteroides	Bacteroides spp.	54.5%	40.0%	52.2%	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S719_Bacteroides	Bacteroides spp.	54.5%	40.0%	52.2%	P	P	P																									

