

ST5-Genus_summary

treatment	Phylum	Genus	Abundance
MS-0M	Acidobacteriota	Other	0.00260511879370807
MS-0M	Actinobacteriota	Bifidobacterium_388775	8.14908328378457
MS-0M	Actinobacteriota	Collinsella	1.94637413269902
MS-0M	Actinobacteriota	Other	2.00111466860718
MS-0M	Bacteroidota	Other	2.08997757177041
MS-0M	Bacteroidota	Phocaeicola_A_858004	2.06477597535695
MS-0M	Bdellovibrionota_E	Other	0
MS-0M	Campylobacterota	Other	0
MS-0M	Chloroflexota	Other	0.00685546623677544
MS-0M	Cyanobacteria	Other	0.130399109536728
MS-0M	Deferribacterota	Other	0
MS-0M	Deinococcota	Other	0
MS-0M	Desulfobacterota_B	Other	0
MS-0M	Desulfobacterota_D	Other	0
MS-0M	Desulfobacterota_I	Other	0.0189728867011134
MS-0M	Elusimicrobiota	Other	0
MS-0M	Eremiobacterota	Other	0
MS-0M	Firmicutes_A	Agathobacter_164117	1.09928021897428
MS-0M	Firmicutes_A	Anaerobutyricum	1.71687305796543
MS-0M	Firmicutes_A	Blautia_A_141780	2.72152303292743
MS-0M	Firmicutes_A	Blautia_A_141781	5.57899459233106
MS-0M	Firmicutes_A	Butyrivibrio_A_180067	1.25716472297654
MS-0M	Firmicutes_A	CAG-177	1.6068242500798
MS-0M	Firmicutes_A	Clostridium_T	2.3696390618299
MS-0M	Firmicutes_A	Dorea_A	1.67706241228182
MS-0M	Firmicutes_A	Faecalibacterium	2.82634480284451
MS-0M	Firmicutes_A	GCA-900066495	4.1655012784952
MS-0M	Firmicutes_A	Gemmiger_A_73129	4.36066737087473
MS-0M	Firmicutes_A	Mediterraneibacter_A_155507	1.32891550279857
MS-0M	Firmicutes_A	Oliverpabstia	1.38151076334734
MS-0M	Firmicutes_A	Other	14.1078315874386
MS-0M	Firmicutes_A	Ruminococcus_E	1.03497761066941
MS-0M	Firmicutes_A	Vescimonas	1.90004304923541
MS-0M	Firmicutes_B_370539	Other	0.032757823101119
MS-0M	Firmicutes_B_370541	Other	0
MS-0M	Firmicutes_C	Other	1.31231480437771
MS-0M	Firmicutes_D	Catenibacterium	3.97032418528566
MS-0M	Firmicutes_D	Holdemanella	1.03189264944266
MS-0M	Firmicutes_D	Lactobacillus	3.06115644180072
MS-0M	Firmicutes_D	Other	2.4098635129157
MS-0M	Firmicutes_D	Streptococcus	9.98781203378469
MS-0M	Firmicutes_F	Other	0
MS-0M	Firmicutes_G	Other	0.0051662829406559
MS-0M	Fusobacteriota	Other	0.00442087292588498
MS-0M	Gemmatimonadota	Other	0
MS-0M	Halobacteriota	Other	0
MS-0M	Methanobacteriota_A_1229	Other	0
MS-0M	Methyloirabilota	Other	0

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MS-0M	Myxococcota_A_473307	Other	0.00124696097307856
MS-0M	Nitrospirota_A_437815	Other	4.150738208790434e-4
MS-0M	Patescibacteria	Other	0.0766899675098027
MS-0M	Proteobacteria	Escherichia_710834	6.42507605892048
MS-0M	Proteobacteria	Klebsiella_724518	1.20948889801341
MS-0M	Proteobacteria	Other	4.62939494200553
MS-0M	Spirochaetota	Other	0
MS-0M	Synergistota	Other	0
MS-0M	Tectomicrobia	Other	0
MS-0M	Verrucomicrobiota	Other	0.0452583901910613
MS-0M	NA	Other	0.253409573434457
MS-4M	Acidobacteriota	Other	0
MS-4M	Actinobacteriota	Bifidobacterium_388775	3.27214064299668
MS-4M	Actinobacteriota	Collinsella	1.90527153758658
MS-4M	Actinobacteriota	Other	1.05630793525775
MS-4M	Bacteroidota	Bacteroides_H	3.88868144495551
MS-4M	Bacteroidota	Other	3.20948297828551
MS-4M	Bacteroidota	Prevotella	11.9725433612703
MS-4M	Bdellovibrionota_E	Other	0
MS-4M	Campylobacterota	Other	0
MS-4M	Chloroflexota	Other	0
MS-4M	Cyanobacteria	Other	0.249861612061762
MS-4M	Deferribacterota	Other	0
MS-4M	Deinococcota	Other	0
MS-4M	Desulfobacterota_B	Other	0
MS-4M	Desulfobacterota_D	Other	0
MS-4M	Desulfobacterota_I	Other	0.271416455237111
MS-4M	Elusimicrobiota	Other	0
MS-4M	Eremiobacterota	Other	0
MS-4M	Firmicutes_A	Agathobacter_164117	5.17261451988516
MS-4M	Firmicutes_A	Anaerobutyricum	1.49218536504505
MS-4M	Firmicutes_A	Blautia_A_141780	1.82463558094598
MS-4M	Firmicutes_A	Blautia_A_141781	4.94128923782571
MS-4M	Firmicutes_A	CAG-177	1.17606991596175
MS-4M	Firmicutes_A	Clostridium_T	1.20835397910848
MS-4M	Firmicutes_A	Dorea_A	1.90905651489066
MS-4M	Firmicutes_A	Faecalibacterium	4.45297233277657
MS-4M	Firmicutes_A	Fusicatenibacter	2.8117830123928
MS-4M	Firmicutes_A	GCA-900066495	2.46602226967862
MS-4M	Firmicutes_A	Gemmiger_A_73129	3.16107096237743
MS-4M	Firmicutes_A	Limivacinus	1.08891426858494
MS-4M	Firmicutes_A	Oliverpabstia	1.2046080781685
MS-4M	Firmicutes_A	Other	16.3731273886227
MS-4M	Firmicutes_A	Roseburia	1.70454482227928
MS-4M	Firmicutes_A	Ruminococcus_E	1.34126580964882
MS-4M	Firmicutes_A	Vescimonas	4.39620917977545
MS-4M	Firmicutes_B_370539	Other	0.00539930294447015
MS-4M	Firmicutes_B_370541	Other	0
MS-4M	Firmicutes_C	Dialister	1.5625447092378

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MS-4M	Firmicutes_C	Other	0.168845386202067
MS-4M	Firmicutes_C	Phascolarctobacterium_A	2.49377551372505
MS-4M	Firmicutes_D	Catenibacterium	1.39413298168406
MS-4M	Firmicutes_D	Other	2.82037407374922
MS-4M	Firmicutes_D	Streptococcus	3.05247523160037
MS-4M	Firmicutes_F	Other	0
MS-4M	Firmicutes_G	Other	0.0119149444927173
MS-4M	Fusobacteriota	Other	0.00197608931923723
MS-4M	Gemmatimonadota	Other	0
MS-4M	Halobacteriota	Other	0.0049718299312273
MS-4M	Methanobacteriota_A_1229	Other	0
MS-4M	Methyloirabilota	Other	0
MS-4M	Myxococcota_A_473307	Other	0
MS-4M	Nitrospirota_A_437815	Other	0
MS-4M	Patescibacteria	Other	0.12289684232516
MS-4M	Proteobacteria	Escherichia_710834	2.96094885147149
MS-4M	Proteobacteria	Klebsiella_724518	1.05774082600784
MS-4M	Proteobacteria	Other	1.32226616820333
MS-4M	Spirochaetota	Other	0
MS-4M	Synergistota	Other	0
MS-4M	Tectomicrobia	Other	0
MS-4M	Verrucomicrobiota	Other	0.124070479598804
MS-4M	NA	Other	0.345237563887978
HM-0M	Acidobacteriota	Other	6.088576612559516e-4
HM-0M	Actinobacteriota	Bifidobacterium_388775	1.00544853753521
HM-0M	Actinobacteriota	Corynebacterium	2.1583633666922
HM-0M	Actinobacteriota	Cutibacterium	2.81031198544752
HM-0M	Actinobacteriota	Other	1.32712708355365
HM-0M	Bacteroidota	Other	0.574363553160349
HM-0M	Bdellovibrionota_E	Other	0
HM-0M	Campylobacterota	Other	0.0126387337739962
HM-0M	Chloroflexota	Other	0.00122531271379903
HM-0M	Cyanobacteria	Other	0.564206150140916
HM-0M	Deferribacterota	Other	0
HM-0M	Deinococcota	Other	1.9971943413892165e-4
HM-0M	Desulfobacterota_B	Other	0
HM-0M	Desulfobacterota_D	Other	0
HM-0M	Desulfobacterota_I	Other	0.00303512588516377
HM-0M	Elusimicrobiota	Other	0
HM-0M	Eremiobacterota	Other	0
HM-0M	Firmicutes_A	Other	3.76040312785483
HM-0M	Firmicutes_B_370539	Other	0
HM-0M	Firmicutes_B_370541	Other	0
HM-0M	Firmicutes_C	Other	0.287400942990189
HM-0M	Firmicutes_D	Lactobacillus	2.4485806881328
HM-0M	Firmicutes_D	Other	2.03730327568161
HM-0M	Firmicutes_D	Staphylococcus	10.2924280295833
HM-0M	Firmicutes_D	Streptococcus	24.1502227373898
HM-0M	Firmicutes_F	Other	6.63851934464537e-4

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HM-0M	Firmicutes_G	Other	3.537106010604244e-4
HM-0M	Fusobacteriota	Other	0.0192786393607106
HM-0M	Gemmatimonadota	Other	0
HM-0M	Halobacteriota	Other	0.00629025091384051
HM-0M	Methanobacteriota_A_1229	Other	0
HM-0M	Methyloirabilota	Other	0
HM-0M	Myxococcota_A_473307	Other	0
HM-0M	Nitrospirota_A_437815	Other	0.00205361220261975
HM-0M	Patescibacteria	GWA2-37-10	31.703658537094
HM-0M	Patescibacteria	Other	0.011515350473218
HM-0M	Proteobacteria	Acinetobacter	6.24143764648799
HM-0M	Proteobacteria	Other	6.0545032566603
HM-0M	Proteobacteria	Sphingomonas_L_486704	4.04770356401061
HM-0M	Spirochaetota	Other	3.961321655357094e-4
HM-0M	Synergistota	Other	0
HM-0M	Tectomicrobia	Other	0
HM-0M	Verrucomicrobiota	Other	0.0108429149295874
HM-0M	NA	Other	0.467435305535382
HM-4M	Acidobacteriota	Other	0.00536181616963427
HM-4M	Actinobacteriota	Bifidobacterium_388775	1.80487423473709
HM-4M	Actinobacteriota	Corynebacterium	1.32409894169512
HM-4M	Actinobacteriota	Cutibacterium	4.95738003790117
HM-4M	Actinobacteriota	Micrococcus	1.12675822525553
HM-4M	Actinobacteriota	Other	3.45494623067019
HM-4M	Bacteroidota	Other	1.40555939247493
HM-4M	Bdellovibrionota_E	Other	0.0125109043958133
HM-4M	Campylobacterota	Other	0.0846473735628509
HM-4M	Chloroflexota	Other	0.0200359296111166
HM-4M	Cyanobacteria	Other	0.444282235654593
HM-4M	Deferribacterota	Other	0.00204292874264546
HM-4M	Deinococcota	Other	0.00198161065313887
HM-4M	Desulfobacterota_B	Other	0
HM-4M	Desulfobacterota_D	Other	0
HM-4M	Desulfobacterota_I	Other	0.0146313542330561
HM-4M	Elusimicrobiota	Other	0
HM-4M	Eremiobacterota	Other	0
HM-4M	Firmicutes_A	Other	6.32878066146543
HM-4M	Firmicutes_B_370539	Other	0
HM-4M	Firmicutes_B_370541	Other	0
HM-4M	Firmicutes_C	Other	0.885844249229135
HM-4M	Firmicutes_D	Lactobacillus	6.43769126579266
HM-4M	Firmicutes_D	Lactococcus_A_346120	1.50707170288281
HM-4M	Firmicutes_D	Other	0.989870962608763
HM-4M	Firmicutes_D	Staphylococcus	13.1181441240211
HM-4M	Firmicutes_D	Streptococcus	15.4251886094007
HM-4M	Firmicutes_F	Other	0
HM-4M	Firmicutes_G	Other	0.00272390499019394
HM-4M	Fusobacteriota	Other	0.0694886607873766
HM-4M	Gemmatimonadota	Other	9.908053265694355e-4

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HM-4M	Halobacteriota	Other	0
HM-4M	Methanobacteriota_A_1229	Other	0
HM-4M	Methylomirabilota	Other	0
HM-4M	Myxococcota_A_473307	Other	0.0061582828996096
HM-4M	Nitrospirota_A_437815	Other	0.00132107376875925
HM-4M	Patescibacteria	GWA2-37-10	1.27251791594733
HM-4M	Patescibacteria	Other	0.034429346147436
HM-4M	Proteobacteria	Acinetobacter	15.8807938752121
HM-4M	Proteobacteria	Bradyrhizobium	3.11713178989505
HM-4M	Proteobacteria	Comamonas_F_589250	1.0167304225598
HM-4M	Proteobacteria	Other	5.15868458593127
HM-4M	Proteobacteria	Sphingomonas_L_486704	3.88259661426316
HM-4M	Proteobacteria	Variovorax	9.101099420839
HM-4M	Spirochaetota	Other	6.605368843796238e-4
HM-4M	Synergistota	Other	0.00629141549146648
HM-4M	Tectomicrobia	Other	0
HM-4M	Verrucomicrobiota	Other	0.00819830230374688
HM-4M	NA	Other	1.08848025559526
NS-0M	Acidobacteriota	Other	0.00573104240820368
NS-0M	Actinobacteriota	Bifidobacterium_388775	6.45242302723464
NS-0M	Actinobacteriota	Cutibacterium	2.01423982785084
NS-0M	Actinobacteriota	Microbacterium_A_383184	3.60413093805561
NS-0M	Actinobacteriota	Other	2.29082604966695
NS-0M	Bacteroidota	Other	1.23093086007814
NS-0M	Bdellovibrionota_E	Other	0.00655473084567696
NS-0M	Campylobacterota	Other	0.0173535723922209
NS-0M	Chloroflexota	Other	0.0351947577606601
NS-0M	Cyanobacteria	Other	0.198765989001161
NS-0M	Deferribacterota	Other	2.024292522415244e-4
NS-0M	Deinococcota	Other	0.00361397304647634
NS-0M	Desulfobacterota_B	Other	0.00128684486143458
NS-0M	Desulfobacterota_D	Other	0
NS-0M	Desulfobacterota_I	Other	0.00668430945290839
NS-0M	Elusimicrobiota	Other	0
NS-0M	Eremiobacterota	Other	0
NS-0M	Firmicutes_A	Other	5.5873880752743
NS-0M	Firmicutes_B_370539	Other	0
NS-0M	Firmicutes_B_370541	Other	0
NS-0M	Firmicutes_C	Other	0.170250006637924
NS-0M	Firmicutes_D	Enterococcus_H_360604	6.29619292746882
NS-0M	Firmicutes_D	Lactobacillus	7.94500788946529
NS-0M	Firmicutes_D	Other	2.34157036778602
NS-0M	Firmicutes_D	Staphylococcus	11.1519678161645
NS-0M	Firmicutes_D	Streptococcus	7.99478767460537
NS-0M	Firmicutes_F	Other	0.00200571916493315
NS-0M	Firmicutes_G	Other	0.00175196337759811
NS-0M	Fusobacteriota	Other	0.111468037560244
NS-0M	Gemmatimonadota	Other	5.795040990256605e-4
NS-0M	Halobacteriota	Other	7.950916343108543e-4

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NS-0M	Methanobacteriota_A_1229	Other	0
NS-0M	Methyloirabilota	Other	0
NS-0M	Myxococcota_A_473307	Other	0.00491385447585495
NS-0M	Nitrospirota_A_437815	Other	3.923853695191121e-4
NS-0M	Patescibacteria	GWA2-37-10	8.07550161314605
NS-0M	Patescibacteria	Other	0.0965085027772112
NS-0M	Proteobacteria	Acinetobacter	1.15638660132353
NS-0M	Proteobacteria	Bradyrhizobium	3.89005217007624
NS-0M	Proteobacteria	Escherichia_710834	3.10278429585466
NS-0M	Proteobacteria	Klebsiella_724518	5.79947199528812
NS-0M	Proteobacteria	Other	11.9386966263689
NS-0M	Proteobacteria	Pectobacterium	3.15153330375261
NS-0M	Proteobacteria	Sphingomonas_L_486704	4.1723837825163
NS-0M	Spirochaetota	Other	0
NS-0M	Synergistota	Other	0
NS-0M	Tectomicrobia	Other	0
NS-0M	Verrucomicrobiota	Other	0.0748217687797618
NS-0M	NA	Other	1.06484967512569
NS-4M	Acidobacteriota	Other	0
NS-4M	Actinobacteriota	Bifidobacterium_388775	37.6520555402205
NS-4M	Actinobacteriota	Other	1.91983752327171
NS-4M	Bacteroidota	Bacteroides_H	4.23831524167114
NS-4M	Bacteroidota	Other	1.03139975581576
NS-4M	Bdellovibrionota_E	Other	0
NS-4M	Campylobacterota	Other	0.0086400552963539
NS-4M	Chloroflexota	Other	0
NS-4M	Cyanobacteria	Other	0
NS-4M	Deferribacterota	Other	0
NS-4M	Deinococcota	Other	0
NS-4M	Desulfobacterota_B	Other	0
NS-4M	Desulfobacterota_D	Other	0
NS-4M	Desulfobacterota_I	Other	7.200046080294914e-4
NS-4M	Elusimicrobiota	Other	0
NS-4M	Eremiobacterota	Other	0
NS-4M	Firmicutes_A	Blautia_A_141781	1.83389486961168
NS-4M	Firmicutes_A	Faecalibacterium	4.72650610819519
NS-4M	Firmicutes_A	Mediterraneibacter_A_155507	1.2942351539453
NS-4M	Firmicutes_A	Other	7.67469557880901
NS-4M	Firmicutes_B_370539	Other	0
NS-4M	Firmicutes_B_370541	Other	0
NS-4M	Firmicutes_C	Other	0.160829009871948
NS-4M	Firmicutes_C	Veillonella_A	2.09213530969905
NS-4M	Firmicutes_D	Lactocaseibacillus	2.79744814931775
NS-4M	Firmicutes_D	Lactobacillus	1.41421822136462
NS-4M	Firmicutes_D	Other	2.16605749735687
NS-4M	Firmicutes_D	Streptococcus	8.53274491695968
NS-4M	Firmicutes_F	Other	0
NS-4M	Firmicutes_G	Other	0
NS-4M	Fusobacteriota	Other	0.0269062034941547

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NS-4M	Gemmatimonadota	Other	0
NS-4M	Halobacteriota	Other	5.041567725900046e-4
NS-4M	Methanobacteriota_A_1229	Other	0
NS-4M	Methylomirabilota	Other	0
NS-4M	Myxococcota_A_473307	Other	0
NS-4M	Nitrospirota_A_437815	Other	0
NS-4M	Patescibacteria	Other	0.155820595240954
NS-4M	Proteobacteria	Escherichia_710834	9.69032727022664
NS-4M	Proteobacteria	Other	11.6254404896353
NS-4M	Spirochaetota	Other	0
NS-4M	Synergistota	Other	0
NS-4M	Tectomicrobia	Other	0
NS-4M	Verrucomicrobiota	Other	0.19704328154744
NS-4M	NA	Other	0.760225067068322