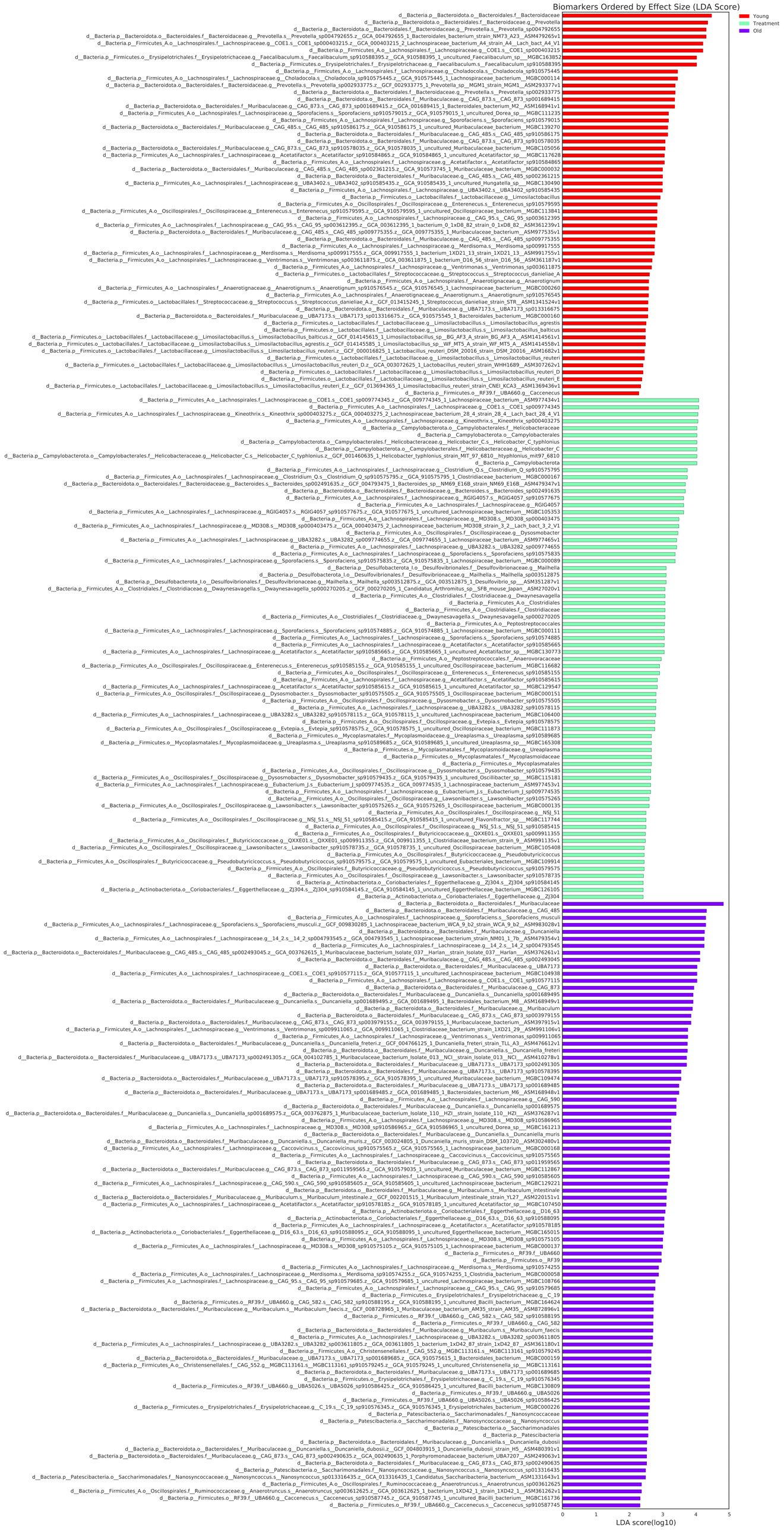
Biomarkers Ordered by Effect Size (LDA Score)
Young
Treatment
Old
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Bacteroidaceae
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Bacteroidaceae.g__Prevotella
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Bacteroidaceae.g__Prevotella.s__Prevotella_sp004792655
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Bacteroidaceae.g__Prevotella.s__Prevotella_sp004792655.r__GCA_004792655.1_Bacteroides_bacterium_strain_NM73_A23__ASM4792655v1
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__COE1.s__COE1_sp000403215.z__GCA_000403215.2_Lachnospiraceae_bacterium_A4_strain_A4__Lach_bact_A4_V1
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__COE1.s__COE1_sp000403215
d__Bacteria.p__Firmicutes.o__Erysipelotrichales.f__Erysipelotrichaceae.g__Faecalibaculum.s__Faecalibaculum_sp910588395.z__GCA_910588395.1_uncultured_Faecalibaculum_sp__MGBC163852
d__Bacteria.p__Firmicutes.o__Erysipelotrichales.f__Erysipelotrichaceae.g__Faecalibaculum.s__Faecalibaculum_sp910588395
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__Choladocola.s__Choladocola_sp910575445
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__Choladocola.s__Choladocola_sp910575445.z__GCA_910575445.1_Lachnospiraceae_bacterium__MGBC000114
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Bacteroidaceae.g__Prevotella.s__Prevotella_sp002933775.z__GCF_002933775.1_Prevotella_sp__MGM1_strain_MGM1__ASM293377v1
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Bacteroidaceae.g__Prevotella.s__Prevotella_sp002933775
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__CAG_873.s__CAG_873_sp001689415
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__CAG_873.s__CAG_873_sp001689415.z__GCA_001689415.1_Bacteroides_bacterium_M2__ASM1689415v1
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__Sporofaciens.s__Sporofaciens_sp910579015.z__GCA_910579015.1_uncultured_Dorea_sp__MGBC111235
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__Sporofaciens.s__Sporofaciens_sp910579015
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__CAG_485.s__CAG_485_sp910586175.z__GCA_910586175.1_uncultured_Muribaculaceae_bacterium__MGBC139270
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__CAG_485.s__CAG_485_sp910586175
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__CAG_873.s__CAG_873_sp910578035
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__CAG_873.s__CAG_873_sp910578035.z__GCA_910578035.1_uncultured_Muribaculaceae_bacterium__MGBC105050
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__Acetatifactor.s__Acetatifactor_sp910584865.z__GCA_910584865.1_uncultured_Acetatifactor_sp__MGBC117628
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__Acetatifactor.s__Acetatifactor_sp910584865
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__CAG_485.s__CAG_485_sp002361215.z__GCA_910573745.1_Muribaculaceae_bacterium__MGBC000032
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__CAG_485.s__CAG_485_sp002361215
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__UBA3402.s__UBA3402_sp910585435.z__GCA_910585435.1_uncultured_Hungatella_sp__MGBC130490
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__UBA3402.s__UBA3402_sp910585435
d__Bacteria.p__Firmicutes.o__Lactobacillales.f__Lactobacillaceae.g__Limosilactobacillus
d__Bacteria.p__Firmicutes.A.o__Oscillospirales.f__Oscillospiraceae.g__Enterenecus.s__Enterenecus_sp910579595
d__Bacteria.p__Firmicutes.A.o__Oscillospirales.f__Oscillospiraceae.g__Enterenecus.s__Enterenecus_sp910579595.z__GCA_910579595.1_uncultured_Oscillospiraceae_bacterium__MGBC113841
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__CAG_95.s__CAG_95_sp003612395
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__CAG_95.s__CAG_95_sp003612395.z__GCA_003612395.1_bacterium_0_1xD8_82_strain_0_1xD8_82__ASM361239v1
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__CAG_485.s__CAG_485_sp009775355.z__GCA_009775355.1_Muribaculaceae_bacterium__ASM9775355v1
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__CAG_485.s__CAG_485_sp009775355
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__Merdisoma.s__Merdisoma_sp009917555
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__Merdisoma.s__Merdisoma_sp009917555.z__GCA_009917555.1_bacterium_1XD21_13_strain_1XD21_13__ASM9917555v1
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__Ventrimonas.s__Ventrimonas_sp003611875
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__Ventrimonas.s__Ventrimonas_sp003611875.z__GCA_003611875.1_bacterium_D16_56_strain_D16_56__ASM361187v1
d__Bacteria.p__Firmicutes.o__Lactobacillales.f__Streptococcaceae.g__Streptococcus.s__Streptococcus_danieliae_A
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Anaerotignaceae.g__Anaerotignum
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Anaerotignaceae.g__Anaerotignum.s__Anaerotignum_sp910576545
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Anaerotignaceae.g__Anaerotignum.s__Anaerotignum_sp910576545.z__GCA_910576545.1_Lachnospiraceae_bacterium__MGBC000260
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Anaerotignaceae.g__Anaerotignum.s__Anaerotignum_sp910576545
d__Bacteria.p__Firmicutes.o__Lactobacillales.f__Streptococcaceae.g__Streptococcus.s__Streptococcus_danieliae_A.z__GCF_013415245.1_Streptococcus_danieliae_strain_STR__ASM1341524v1
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__UBA7173.s__UBA7173_sp013316675
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__UBA7173.s__UBA7173_sp013316675.z__GCA_910575545.1_Bacteroides_bacterium__MGBC000160
d__Bacteria.p__Firmicutes.o__Lactobacillales.f__Lactobacillaceae.g__Limosilactobacillus.s__Limosilactobacillus_agrestis
d__Bacteria.p__Firmicutes.o__Lactobacillales.f__Lactobacillaceae.g__Limosilactobacillus.s__Limosilactobacillus_balticus
d__Bacteria.p__Firmicutes.o__Lactobacillales.f__Lactobacillaceae.g__Limosilactobacillus.s__Limosilactobacillus_balticus.z__GCF_014145615.1_Limosilactobacillus_sp_BG_AF3_A_strain_BG_AF3_A__ASM1414561v1
d__Bacteria.p__Firmicutes.o__Lactobacillales.f__Lactobacillaceae.g__Limosilactobacillus.s__Limosilactobacillus_agrestis.z__GCF_014145585.1_Limosilactobacillus_sp__WF_MT5_A_strain_WF_MT5_A__ASM1414558v1
d__Bacteria.p__Firmicutes.o__Lactobacillales.f__Lactobacillaceae.g__Limosilactobacillus.s__Limosilactobacillus_reuteri.z__GCF_000016825.1_Lactobacillus_reuteri_DSM_20016_strain_DSM_20016__ASM1682v1
d__Bacteria.p__Firmicutes.o__Lactobacillales.f__Lactobacillaceae.g__Limosilactobacillus.s__Limosilactobacillus_reuteri
d__Bacteria.p__Firmicutes.o__Lactobacillales.f__Lactobacillaceae.g__Limosilactobacillus.s__Limosilactobacillus_reuteri_strain_WHH1689__ASM307262v1
d__Bacteria.p__Firmicutes.o__Lactobacillales.f__Lactobacillaceae.g__Limosilactobacillus.s__Limosilactobacillus_reuteri_D
d__Bacteria.p__Firmicutes.o__Lactobacillales.f__Lactobacillaceae.g__Limosilactobacillus.s__Limosilactobacillus_reuteri_E
d__Bacteria.p__Firmicutes.o__Lactobacillales.f__Lactobacillaceae.g__Limosilactobacillus.s__Limosilactobacillus_reuteri_E.z__GCF_013694365.1_Limosilactobacillus_reuteri_strain_CNEI_KCA3__ASM1369436v1
d__Bacteria.p__Firmicutes.o__RF39.f__UBA660.g__Caccenecus
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__COE1.s__COE1_sp009774345.z__GCA_009774345.1_Lachnospiraceae_bacterium__ASM9774345v1
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__COE1.s__COE1_sp009774345
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__Kineothrix.s__Kineothrix_sp000403275.z__GCA_000403275.2_Lachnospiraceae_bacterium_28_4_strain_28_4__Lach_bact_28_4_V1
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__Kineothrix.s__Kineothrix_sp000403275
d__Bacteria.p__Campylobacterota.o__Campylobacterales.f__Helicobacteraceae
d__Bacteria.p__Campylobacterota.o__Campylobacterales
d__Bacteria.p__Campylobacterota.o__Campylobacterales.f__Helicobacteraceae.g__Helicobacter.s__Helicobacter_C.s__Helicobacter_C_typhlonius
d__Bacteria.p__Campylobacterota.o__Campylobacterales.f__Helicobacteraceae.g__Helicobacter_C
d__Bacteria.p__Campylobacterota.o__Campylobacterales.f__Helicobacteraceae.g__Helicobacter_C.s__Helicobacter_C_typhlonius.z__GCF_001460635.1_Helicobacter_typhlonius_strain_MIT_97_6810__htyphlonius_mit97_6810
d__Bacteria.p__Campylobacterota
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__Clostridium_Q.s__Clostridium_Q_sp910575795
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__Clostridium_Q.s__Clostridium_Q_sp910575795.z__GCA_910575795.1_Clostridiaceae_bacterium__MGBC000167
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Bacteroidaceae.g__Bacteroides.s__Bacteroides_sp002491635.z__GCF_004793475.1_Bacteroides_sp__NM69_E16B_strain_NM69_E16B__ASM479347v1
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Bacteroidaceae.g__Bacteroides.s__Bacteroides_sp002491635
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__RGIG4057.s__RGIG4057_sp910577675
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__RGIG4057
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__RGIG4057.s__RGIG4057_sp910577675.z__GCA_910577675.1_uncultured_Lachnospiraceae_bacterium__MGBC105353
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__MD308.s__MD308_sp000403475
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__MD308.s__MD308_sp000403475.z__GCA_000403475.2_Lachnospiraceae_bacterium_MD308_strain_3_2__Lach_bact_3_2_V1
d__Bacteria.p__Firmicutes.A.o__Oscillospirales.f__Oscillospiraceae.g__Dysosmobacter
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__UBA3282.s__UBA3282_sp009774655
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__UBA3282.s__UBA3282_sp009774655.z__GCA_009774655.1_Lachnospiraceae_bacterium__ASM9774655v1
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__UBA3282.s__UBA3282_sp009774655
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__Sporofaciens.s__Sporofaciens_sp910575835
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__Sporofaciens.s__Sporofaciens_sp910575835.z__GCA_910575835.1_Lachnospiraceae_bacterium__MGBC000089
d__Bacteria.p__Desulfobacterota_I.o__Desulfovibrionales.f__Desulfovibrionaceae.g__Mailhella
d__Bacteria.p__Desulfobacterota_I.o__Desulfovibrionales.f__Desulfovibrionaceae.g__Mailhella.s__Mailhella_sp003512875
d__Bacteria.p__Desulfobacterota_I.o__Desulfovibrionales.f__Desulfovibrionaceae.g__Mailhella.s__Mailhella_sp003512875.z__GCA_003512875.1_Desulfovibrio_sp___ASM3512875v1
d__Bacteria.p__Firmicutes.A.o__Clostridiales.f__Clostridiaceae.g__Dwaynesavagella.s__Dwaynesavagella_sp000270205.z__GCF_000270205.1_Candidatus_Arthromitus_sp__SFB_mouse_Japan__ASM270205v1
d__Bacteria.p__Firmicutes.A.o__Clostridiales.f__Clostridiaceae.g__Dwaynesavagella
d__Bacteria.p__Firmicutes.A.o__Clostridiales
d__Bacteria.p__Firmicutes.A.o__Clostridiales.f__Clostridiaceae
d__Bacteria.p__Firmicutes.A.o__Clostridiales.f__Clostridiaceae.g__Dwaynesavagella.s__Dwaynesavagella_sp000270205
d__Bacteria.p__Firmicutes.A.o__Peptostreptococcales
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__Sporofaciens.s__Sporofaciens_sp910574885.z__GCA_910574885.1_Lachnospiraceae_bacterium__MGBC000111
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__Sporofaciens.s__Sporofaciens_sp910574885
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__Acetatifactor.s__Acetatifactor_sp910585665
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__Acetatifactor.s__Acetatifactor_sp910585665.z__GCA_910585665.1_uncultured_Acetatifactor_sp__MGBC130773
d__Bacteria.p__Firmicutes.A.o__Peptostreptococcales.f__Anaerovoracaceae
d__Bacteria.p__Firmicutes.A.o__Oscillospirales.f__Oscillospiraceae.g__Enterenecus.s__Enterenecus_sp910585155.z__GCA_910585155.1_uncultured_Oscillospiraceae_bacterium__MGBC116682
d__Bacteria.p__Firmicutes.A.o__Oscillospirales.f__Oscillospiraceae.g__Enterenecus.s__Enterenecus_sp910585155
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__Acetatifactor.s__Acetatifactor_sp910585615
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__Acetatifactor.s__Acetatifactor_sp910585615.z__GCA_910585615.1_uncultured_Acetatifactor_sp__MGBC129547
d__Bacteria.p__Firmicutes.A.o__Oscillospirales.f__Oscillospiraceae.g__Dysosmobacter.s__Dysosmobacter_sp910575505.z__GCA_910575505.1_Oscillospiraceae_bacterium__MGBC000151
d__Bacteria.p__Firmicutes.A.o__Oscillospirales.f__Oscillospiraceae.g__Dysosmobacter.s__Dysosmobacter_sp910575505
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__UBA3282.s__UBA3282_sp910578115
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__UBA3282.s__UBA3282_sp910578115.z__GCA_910578115.1_uncultured_Lachnospiraceae_bacterium__MGBC106409
d__Bacteria.p__Firmicutes.A.o__Oscillospirales.f__Oscillospiraceae.g__Evtepia.s__Evtepia_sp910578575
d__Bacteria.p__Firmicutes.A.o__Oscillospirales.f__Oscillospiraceae.g__Evtepia.s__Evtepia_sp910578575.z__GCA_910578575.1_uncultured_Oscillospiraceae_bacterium__MGBC111873
d__Bacteria.p__Firmicutes.o__Mycoplasmatales.f__Mycoplasmoidaceae.g__Ureaplasma.s__Ureaplasma_sp910589685
d__Bacteria.p__Firmicutes.o__Mycoplasmatales.f__Mycoplasmoidaceae.g__Ureaplasma.s__Ureaplasma_sp910589685.z__GCA_910589685.1_uncultured_Ureaplasma_sp__MGBC165308
d__Bacteria.p__Firmicutes.o__Mycoplasmatales.f__Mycoplasmoidaceae.g__Ureaplasma
d__Bacteria.p__Firmicutes.o__Mycoplasmatales.f__Mycoplasmoidaceae
d__Bacteria.p__Firmicutes.o__Mycoplasmatales
d__Bacteria.p__Firmicutes.A.o__Oscillospirales.f__Oscillospiraceae.g__Dysosmobacter.s__Dysosmobacter_sp910579435
d__Bacteria.p__Firmicutes.A.o__Oscillospirales.f__Oscillospiraceae.g__Dysosmobacter.s__Dysosmobacter_sp910579435.z__GCA_910579435.1_uncultured_Oscillibacter_sp__MGBC115181
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__Eubacterium_J.s__Eubacterium_J_sp009774535
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__Eubacterium_J.s__Eubacterium_J_sp009774535.z__GCA_009774535.1_Lachnospiraceae_bacterium__ASM9774535v1
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__Eubacterium_J.s__Eubacterium_J_sp009774535
d__Bacteria.p__Firmicutes.A.o__Oscillospirales.f__Oscillospiraceae.g__Lawsonibacter.s__Lawsonibacter_sp910575265
d__Bacteria.p__Firmicutes.A.o__Oscillospirales.f__Oscillospiraceae.g__Lawsonibacter.s__Lawsonibacter_sp910575265.z__GCA_910575265.1_Oscillospiraceae_bacterium__MGBC000135
d__Bacteria.p__Firmicutes.A.o__Oscillospirales.f__Oscillospiraceae.g__NSJ_51
d__Bacteria.p__Firmicutes.A.o__Oscillospirales.f__Oscillospiraceae.g__NSJ_51.s__NSJ_51_sp910585415
d__Bacteria.p__Firmicutes.A.o__Oscillospirales.f__Oscillospiraceae.g__NSJ_51.s__NSJ_51_sp910585415.z__GCA_910585415.1_uncultured_Flavonifractor_sp__MGBC117744
d__Bacteria.p__Firmicutes.A.o__Oscillospirales.f__Oscillospiraceae.g__NSJ_51.s__NSJ_51_sp910585415
d__Bacteria.p__Firmicutes.A.o__Oscillospirales.f__Butyricicoccaceae.g__QXXE01.s__QXXE01_sp009911355
d__Bacteria.p__Firmicutes.A.o__Oscillospirales.f__Butyricicoccaceae.g__QXXE01.s__QXXE01_sp009911355.z__GCA_009911355.1_Clostridiaceae_bacterium_strain_9__ASM991135v1
d__Bacteria.p__Firmicutes.A.o__Oscillospirales.f__Oscillospiraceae.g__Lawsonibacter.s__Lawsonibacter_sp910578735
d__Bacteria.p__Firmicutes.A.o__Oscillospirales.f__Oscillospiraceae.g__Lawsonibacter.s__Lawsonibacter_sp910578735.z__GCA_910578735.1_uncultured_Oscillospiraceae_bacterium__MGBC105408
d__Bacteria.p__Firmicutes.A.o__Oscillospirales.f__Butyricicoccaceae.g__Pseudobutyricicoccus
d__Bacteria.p__Firmicutes.A.o__Oscillospirales.f__Butyricicoccaceae.g__Pseudobutyricicoccus.s__Pseudobutyricicoccus_sp910579575
d__Bacteria.p__Firmicutes.A.o__Oscillospirales.f__Butyricicoccaceae.g__Pseudobutyricicoccus.s__Pseudobutyricicoccus_sp910579575.z__GCA_910579575.1_uncultured_Eubacteriales_bacterium__MGBC109914
d__Bacteria.p__Firmicutes.A.o__Oscillospirales.f__Butyricicoccaceae.g__Pseudobutyricicoccus.s__Pseudobutyricicoccus_sp910579575
d__Bacteria.p__Firmicutes.A.o__Oscillospirales.f__Oscillospiraceae.g__Lawsonibacter.s__Lawsonibacter_sp910578735
d__Bacteria.p__Actinobacteriota.o__Coriobacteriales.f__Eggerthellaceae.g__Lawsonibacter.s__Lawsonibacter_sp910578735
d__Bacteria.p__Actinobacteriota.o__Coriobacteriales.f__Eggerthellaceae.g__ZJ304.s__ZJ304_sp910584145
d__Bacteria.p__Actinobacteriota.o__Coriobacteriales.f__Eggerthellaceae.g__ZJ304.s__ZJ304_sp910584145.z__GCA_910584145.1_uncultured_Eggerthellaceae_bacterium__MGBC126105
d__Bacteria.p__Actinobacteriota.o__Coriobacteriales.f__Eggerthellaceae.g__ZJ304
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__CAG_485
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__Sporofaciens.s__Sporofaciens_musculi
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__Sporofaciens.s__Sporofaciens_musculi.z__GCF_009830285.1_Lachnospiraceae_bacterium_WCA_9_b2_strain_WCA_9_b2__ASM983028v1
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__Duncaniella
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__14_2.s__14_2_sp004793545
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__14_2.s__14_2_sp004793545.z__GCA_004793545.1_Lachnospiraceae_bacterium_strain_NM01_1_7b__ASM4793545v1
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__14_2.s__14_2_sp004793545
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__CAG_485.s__CAG_485_sp002493045.z__GCA_003762615.1_Muribaculaceae_bacterium_Isolate_037__Harlan__strain_Isolate_037__Harlan__ASM376261v1
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__CAG_485.s__CAG_485_sp002493045
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__UBA7173
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__COE1.s__COE1_sp910577115.z__GCA_910577115.1_uncultured_Lachnospiraceae_bacterium__MGBC104938
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__COE1.s__COE1_sp910577115
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__CAG_873
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__Duncaniella.s__Duncaniella_sp001689495
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__Duncaniella.s__Duncaniella_sp001689495.z__GCA_001689495.1_Bacteroides_bacterium_M8__ASM1689495v1
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__Muribaculum
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__CAG_873.s__CAG_873_sp003979155
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__CAG_873.s__CAG_873_sp003979155.z__GCA_003979155.1_Muribaculaceae_bacterium__ASM3979155v1
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__Ventrimonas.s__Ventrimonas_sp009911065
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__Ventrimonas.s__Ventrimonas_sp009911065.z__GCA_009911065.1_Clostridiaceae_bacterium_strain_1XD21_29__ASM9911065v1
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__Ventrimonas.s__Ventrimonas_sp009911065
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__Duncaniella.s__Duncaniella_freteri
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__Duncaniella.s__Duncaniella_freteri.z__GCF_004766125.1_Duncaniella_freteri_strain_TLL_A3__ASM476612v1
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__Duncaniella.s__Duncaniella_freteri
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__UBA7173.s__UBA7173_sp002491305
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__UBA7173.s__UBA7173_sp002491305.z__GCA_004102785.1_Muribaculaceae_bacterium_Isolate_013__NCI__strain_Isolate_013__NCI__ASM410278v1
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__UBA7173.s__UBA7173_sp002491305
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__UBA7173.s__UBA7173_sp910578395
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__UBA7173.s__UBA7173_sp910578395
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__UBA7173.s__UBA7173_sp910578395.z__GCA_910578395.1_uncultured_Muribaculaceae_bacterium__MGBC109474
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__UBA7173.s__UBA7173_sp001689485
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__UBA7173.s__UBA7173_sp001689485
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__UBA7173.s__UBA7173_sp001689485.z__GCA_001689485.1_Bacteroides_bacterium_M6__ASM1689485v1
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__CAG_590
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__Duncaniella.s__Duncaniella_sp001689575
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__Duncaniella.s__Duncaniella_sp001689575.z__GCA_003762875.1_Muribaculaceae_bacterium_Isolate_110__HZI__strain_Isolate_110__HZI__ASM3762875v1
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__MD308.s__MD308_sp910586965
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__MD308.s__MD308_sp910586965.z__GCA_910586965.1_uncultured_Dorea_sp__MGBC161213
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__Duncaniella.s__Duncaniella_muris
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__Duncaniella.s__Duncaniella_muris.z__GCF_003024805.1_Duncaniella_muris_strain_DSM_103720__ASM302480v1
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__Caccovicinus.s__Caccovicinus_sp910575565
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__Caccovicinus.s__Caccovicinus_sp910575565.z__GCA_910575565.1_Lachnospiraceae_bacterium__MGBC000168
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__Caccovicinus.s__Caccovicinus_sp910575565
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__CAG_873.s__CAG_873_sp011959565
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__CAG_873.s__CAG_873_sp011959565.z__GCA_910579035.1_uncultured_Muribaculaceae_bacterium__MGBC112867
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__CAG_590.s__CAG_590_sp910585605
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__CAG_590.s__CAG_590_sp910585605.z__GCA_910585605.1_uncultured_Lachnospiraceae_bacterium__MGBC129221
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__Muribaculum.s__Muribaculum_intestinale
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__Muribaculum.s__Muribaculum_intestinale.z__GCF_002201515.1_Muribaculum_intestinale_strain_YL27__ASM2201515v1
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__Acetatifactor.s__Acetatifactor_sp910578185
d__Bacteria.p__Actinobacteriota.o__Coriobacteriales.f__Eggerthellaceae.g__D16_63
d__Bacteria.p__Actinobacteriota.o__Coriobacteriales.f__Eggerthellaceae.g__D16_63.s__D16_63_sp910588095
d__Bacteria.p__Actinobacteriota.o__Coriobacteriales.f__Eggerthellaceae.g__D16_63.s__D16_63_sp910588095.z__GCA_910588095.1_uncultured_Eggerthellaceae_bacterium__MGBC165015
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__Acetatifactor.s__Acetatifactor_sp910578185
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__MD308.s__MD308_sp910575105
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__MD308.s__MD308_sp910575105.z__GCA_910575105.1_Lachnospiraceae_bacterium__MGBC000137
d__Bacteria.p__Firmicutes.o__RF39.f__UBA660
d__Bacteria.p__Firmicutes.o__RF39
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__Merdisoma.s__Merdisoma_sp910574255
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__Merdisoma.s__Merdisoma_sp910574255.z__GCA_910574255.1_Clostridia_bacterium__MGBC000058
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__CAG_95.s__CAG_95_sp910579685.z__GCA_910579685.1_uncultured_Lachnospiraceae_bacterium__MGBC108766
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__CAG_95.s__CAG_95_sp910579685
d__Bacteria.p__Firmicutes.o__Erysipelotrichales.f__Erysipelotrichaceae.g__C_19
d__Bacteria.p__Firmicutes.o__RF39.f__UBA660.g__CAG_582.s__CAG_582_sp910588195.z__GCA_910588195.1_uncultured_Bacilli_bacterium__MGBC164624
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__Muribaculum.s__Muribaculum_faecis.z__GCF_008728965.1_Muribaculaceae_bacterium_AM35_strain_AM35__ASM872896v1
d__Bacteria.p__Firmicutes.o__RF39.f__UBA660.g__CAG_582.s__CAG_582_sp910588195
d__Bacteria.p__Firmicutes.o__RF39.f__UBA660.g__CAG_582
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__Muribaculum.s__Muribaculum_faecis
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__UBA3282.s__UBA3282_sp003611805
d__Bacteria.p__Firmicutes.A.o__Lachnospirales.f__Lachnospiraceae.g__UBA3282.s__UBA3282_sp003611805.z__GCA_003611805.1_bacterium_1xD42_87_strain_1xD42_87__ASM361180v1
d__Bacteria.p__Firmicutes.A.o__Christensenellales.f__CAG_552.g__MGBC113161.s__MGBC113161_sp910579245
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__UBA7173.s__UBA7173_sp001689685
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__CAG_910575615.1_Bacteroides_bacterium__MGBC000159
d__Bacteria.p__Firmicutes.A.o__Christensenellales.f__CAG_552.g__MGBC113161.s__MGBC113161_sp910579245.z__GCA_910579245.1_uncultured_Christensenella_sp__MGBC113161
d__Bacteria.p__Bacteroidota.o__Bacteroidales.f__Muribaculaceae.g__UBA7173.s__UBA7173_sp001689685
d__Bacteria.p__Firmicutes