

H₂S producing species

Clostridium saudiense
Flavonifractor plautii
Intestinibacter bartlettii
Mailhella MIC8103
Desulfovibrio piger

UBA7182 MIC8275
Clostridium_M MIC9612
Turicibacter sanguinis
Bilophila wadsworthia
Blautia_A MIC9206

GCA-900066135 sp900066135
Clostridium_M bolteae
Romboutsia timonensis
Gordonibacter pamelaeeae
Blautia_A MIC8343

Blautia_A hydrogenotrophica
Blautia_A obeum
Lawsonibacter sp000177015
Gordonibacter urolithinfaciens
Flavonifractor sp000508885

Erysipelatoclostridium ramosum
Clostridium sp000435835
Mailhella sp003150275
Desulfovibrio fairfieldensis
Turicibacter sp001543345

TMA producing species

Agathobaculum sp900291975
Anaerococcus obesiensis
Clostridium_M asparagiforme
Clostridium_M citroniae
Clostridium_M lavalense
Clostridium_M MIC9612
Clostridium_M sp000155435
Clostridium_M sp001517625
Collinsella bouchedurhonensis
Collinsella sp002232035
Escherichia coli_D
Escherichia flexneri
Fournierella massiliensis

Hungatella effluvii
Hungatella hathewayi
Klebsiella pneumoniae
Lachnospiraceae MIC6593
Mailhella sp003150275
Oscillospiraceae MIC9482
Peptococcaceae MIC7269
Peptococcus niger
UBA1191 MIC6579
UBA1191 MIC6696
UBA1191 sp900066305
UBA9502 MIC8112

Hexa-LPS producing species

Citrobacter freundii
Enterobacter himalayensis
Enterobacter kobei
Enterobacter ludwigii
Enterobacter nimipressuralis
Escherichia coli
Escherichia coli_D
Escherichia dysenteriae
Escherichia flexneri
Escherichia sp000208585
Haemophilus_D MIC7468
Haemophilus_D parainfluenzae
Haemophilus_D parainfluenzae_K

Haemophilus_D parainfluenzae_L
Haemophilus_D parainfluenzae_M
Haemophilus_D parainfluenzae_N
Haemophilus_D pittmaniae
Haemophilus_D sp001679485
Haemophilus_D sp001815355
Klebsiella pneumoniae
Klebsiella variicola
Klebsiella_A michiganensis
Klebsiella_A oxytoca
Pseudomonas aeruginosa
Raoultella ornithinolytica

β-glucuronidase producing species

Acetatifactor sp900066565
Alistipes obesi
Alistipes onderdonkii
Alistipes putredinis
Alistipes shahii
Bacteroides ovatus
Bacteroides thetaiotaomicron
Bacteroides uniformis

Bacteroides_B vulgatus
Blautia_A sp900066165
CAG-41 sp900066215
Faecalibacterium MIC7145
Faecalibacterium prausnitzii_C
Faecalibacterium prausnitzii_D
Faecalibacterium prausnitzii_G
Fusicatenibacter saccharivorans

GCA-900066135 MIC6659
Gemmiger formicilis
Gemmiger sp003476825
KLE1615 sp900066985
Parabacteroides distasonis
UBA1417 sp003531055

BCAA producing species

Agathobacter rectale
Agathobaculum butyriciproducens
Alistipes shahii
Anaerostipes hadrus
Bacteroides ovatus
Bacteroides thetaiotaomicron
Bacteroides uniformis
Bacteroides_B vulgatus
Blautia_A massiliensis

Blautia_A obeum
Blautia_A sp900066165
Blautia_A wexlerae
CAG-41 sp900066215
Coprococcus_B comes
Dorea formicigenerans
Eubacterium_E hallii
Faecalibacterium MIC7145
Faecalibacterium prausnitzii_C

Faecalibacterium prausnitzii_D
Faecalibacterium prausnitzii_G
Fusicatenibacter saccharivorans
Gemmiger sp003476825
KLE1615 sp900066985
Odoribacter splanchnicus
Parabacteroides distasonis

Butyrate producing species

Acetatifactor sp900066565
Agathobacter faecis
Agathobacter rectale
Agathobaculum butyriciproducens
Anaerostipes hadrus

*Clostridium*_M sp000431375
*Clostridium*_Q sp003024715
*Coprococcus*_A catus
*Coprococcus*_B comes
*Eubacterium*_E hallii

*Eubacterium*_I ramulus
Faecalibacterium MIC7145
Faecalibacterium prausnitzii_C
Faecalibacterium prausnitzii_D
Faecalibacterium prausnitzii_G

Faecalibacterium prausnitzii_I
Gemmiger formicilis
Gemmiger MIC9530
Gemmiger sp003476825
Lawsonibacter asaccharolyticus

Odoribacter splanchnicus
Oscillibacter sp900066435
Roseburia hominis
Roseburia inulinivorans

Propionate producing species

Alistipes finegoldii
Alistipes obesi
Alistipes onderdonkii
Alistipes putredinis
Alistipes shahii
*Alistipes*_A ihumii
Bacteroides caccae
Bacteroides cellulosilyticus
Bacteroides ovatus
Bacteroides stercoris
Bacteroides thetaiotaomicron
Bacteroides uniformis
Bacteroides xylanisolvens

*Bacteroides*_B dorei
*Bacteroides*_B massiliensis
*Bacteroides*_B vulgatus
Barnesiella intestinihominis
*Blautia*_A obeum
*Coprococcus*_A catus
*Eubacterium*_E hallii
*Eubacterium*_E hallii_A
Odoribacter splanchnicus
Parabacteroides distasonis
Parabacteroides merdae
*Ruminiclostridium*_C sp000435295

Oxalate degrading species

51_20 sp001917175
Bifidobacterium animalis
Bifidobacterium dentium
Bifidobacterium MIC6680
Bifidobacterium pseudocatenulatum
CAG-1031 sp000431215
Escherichia coli
Escherichia coli_D
Escherichia dysenteriae
Escherichia flexneri
Lactobacillus acidophilus
Lactobacillus gasseri_A

Muribaculum sp002492595
Oxalobacter formigenes_A
Oxalobacter MIC6654
Oxalobacter MIC7806
Paramuribaculum MIC6915
Paramuribaculum sp000431155
Ruminococcaceae MIC7581
Streptococcus mutans
UBA7173 MIC7159
UBA7173 MIC7508
UBA7173 MIC7596
UBA7173 MIC9174
UBA7173 sp001701135

IPA producing species

Acidaminococcus fermentans
CAG-83 MIC6888
CAG-83 MIC7172
CAG-83 MIC7389
CAG-83 MIC7830
CAG-83 MIC8701
CAG-83 MIC8848
CAG-83 MIC9166
CAG-83 MIC9279
CAG-83 sp000435555
CAG-83 sp003487665
*Clostridium*_M MIC7663
Fusobacterium animalis

*Fusobacterium*_C gonidiaformans
Mogibacterium diversum
Mogibacterium sp002299625
Mogibacterium sp900315625
Peptostreptococcus anaerobius
Peptostreptococcus sp000758885
UBA5446 MIC8728
UBA9502 MIC6887
UBA9502 MIC7149
UBA9502 MIC9781
UBA9502 MIC9805
UBA9502 sp003506385

Acetate producing species

Acetatifactor sp900066565
Agathobacter rectale
Agathobaculum butyriciproducens
Anaerostipes hadrus
Bacteroides thetaiotaomicron
Bacteroides uniformis
*Bacteroides*_B vulgatus
*Blautia*_A massiliensis
*Blautia*_A obeum
*Blautia*_A wexlerae
CAG-41 sp900066215
*Clostridium*_Q sp003024715

*Coprococcus*_B comes
Dorea formicigenerans
*Eubacterium*_E hallii
Faecalibacterium MIC7145
Faecalibacterium prausnitzii_C
Faecalibacterium prausnitzii_D
Faecalibacterium prausnitzii_G
Fusicatenibacter saccharivorans
Gemmiger formicilis
Gemmiger sp003476825
Odoribacter splanchnicus
Oscillibacter sp900066435
Parabacteroides distasonis

