

SEQUENCE LISTING

<110> Microbiotica Limited

<120> Therapeutic bacterial composition

<130> P37180W01

<150> GB 2007452.2

<151> 2020-05-19

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<170> PatentIn version 3.5

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<211> 1539

<212> DNA

<213> Alistipes obesi

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 <212> DNA
 <213> Butyricicoccus sp.

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accgcccgtc acaccatgag agccggtaat acccgaagtc cgtagcctaa ccgcaaggag	1440
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<210> 18
 <211> 1506
 <212> DNA
 <213> *Gordonibacter urolithinfaciens*

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tccttt	1506

<210> 19
 <211> 1528
 <212> DNA
 <213> *Blautia* sp.

<400> 19	
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gggcccgcgt ctgattaggt agttggcggg gtaacggccc accaagccga cgatcagtag	300
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<210> 20

<211> 1530

<212> DNA

<213> Lachnospira sp.

<400> 20

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cgggtgagta acgctggggt aacctgcctc acacaggggg atagcagttg gaaacggctg	180
ataataccgc ataagcgcac agtaccgcat ggtacagtgt gaaaaactcc ggtgggtgtga	240
gatggacccg cgtctgatta gcttgttggc agggtaacgg cctaccaagg caacgatcag	300

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actaagaagc tccggctaaa tacgtgccag cagccgcggt aatacgtatg gagcaagcgt	540
tatccggatt tactgggtgt aaagggagtg taggtggcat cacaagtcag aagtgaaagc	600
ccggggctca accccgggac tgcttttgaa actgtggagc tggagtgcag gagaggcaag	660
tggaattcct agtgtagcgg tgaaatgcgt agatattagg aggaacacca gtggcgaagg	720
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<210> 21
 <211> 1527
 <212> DNA
 <213> Eisenbergiella sp.

<221> misc_feature

<223> R=A or G, Y=C or T

<400> 21

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agtaacgcgt gggaaacctg ccctgtaccg ggggataaca cttagaaata ggtgctaata	180
ccgcataagc gcacagcttc acatgargca gtgtgaaaaa ctccggtggt acaggatggt	240
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gcctgagagg gtgaacggcc acattgggac tgagacacgg cccaaactcc tacgggaggc	360
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tcctagtgtg gcggtgaaat gcgtagatat taggaggaac accagtggcg aaggcggctt	720
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gaattgacgg ggacccgcac aagcgggtgga gcatgtgggt taattcgaag caacgcgaag	960
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<210> 22
 <211> 1525
 <212> DNA
 <213> Butyricicoccus sp.

<221> misc_feature
 <223> W=A or T

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gaataagctc cggctaacta cgtgccagca gccgcggtaa tacgtaggga gcaagcgtta	540
tccggattta ctgggtgtaa agggcgagta ggctggctgg caagtggga gtgaaatccc	600
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gcctgctgga cattaactga cgctgaggag cgaaagcgtg gggagcaaac aggattagat	780
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<210> 23
 <211> 1506
 <212> DNA
 <213> *Gordonibacter urolithinfaciens*

<221> misc_feature
 <223> R=A or G, Y=C or T

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tccttt	1506

<210> 24
 <211> 1535
 <212> DNA
 <213> Faecalitalea sp.

<400> 24	
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<210> 25
 <211> 1530
 <212> DNA
 <213> Blautia sp.

<221> misc_feature
 <223> M=A or C, R=A or G, Y=C or T, K=G or T, W=A or T

<400> 25

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gtgagtaacg cgtgggtaac ctgcctcata caggggggata acagttagaa atggctgcta	180
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aagaagcccc ggctaactac gtgccagcag ccgcggtaat acgtaggggg caagcgttat	540
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tgatttgggc tacacacgtg ctacaatggc gtaaacaag ggaagcgaga cagcgatgtt	1260
gagcaaatcc caaaaataac gtcccagttc ggactgcagt ctgcaactcg actgcacgaa	1320
gctggaatcg ctagtaatcg cgaatcagaa tgtcgcgggt aatacgttcc cgggtcttgt	1380
acacaccgcc cgtcacacca tgggagtcag taacgcccga agtcagtgac ccaaccttay	1440
aggaggggagc tgccgaaggc gggaccgata actgggggtga agtcgtaaca aggtagccgt	1500

atcggaaggt gcggctggat cacctccttt 1530

<210> 26

<211> 1528

<212> DNA

<213> Barnesiella intestinihominis

<221> misc_feature

<223> R=A or G, Y=C or T

<400> 26

cgaagagttt gatcctggct caggatgaac gctagcgaca ggcctaacac atgcaagtcg 60

aggggcagcg grgaggyagc aatacctttg ccggcgaccg gcgcacgggt gagtaacacg 120

tatgcaatcc acctgtaaca gggggataac ccggagaaat ccggactaat accccataat 180

atgggcgctc cgcatggagr gtccattaaa gagagcaatt ttggttacag acgagcatgc 240

gctccattag ccagttggcg gggtaacggc ccaccaaagc gacgatggat aggggttctg 300

agaggaaggt ccccccacatt ggaactgaga cacgggtccaa actcctacgg gaggcagcag 360

tgaggaatat tgggtcaatgg tcggcagact gaaccagcca agtcgcgtga gggaagacgg 420

ccctacgggt tgtaaacctc ttttgtcggg gagtaaagtr cgctacgtgt agygtattgc 480

aagtatccga agaaaaagca tcggctaact ccgtgccagc agccgcggta atacggagga 540

tgcgagcggt atccggattht attgggttta aagggtgcgt aggcggcacg ccaagtcagc 600

ggtgaaattht ccgggctcaa cccggactgt gccgttgaaa ctggcgagct agagtgcaca 660

agaggcaggc ggaatgcgtg gtgtagcggg gaaatgcata gatatcacgc agaaccccgga 720

ttgcgaaggc agcctgctag ggtgcgacag acgctgaggc acgaaaagcgt gggatatcgaa 780

caggattaga taccctggta gtccacgcag taaacgatga atactaactg tttgcgatac 840

aatgtaagcg gtacagcgaa agcgttaagt attccacctg gggagtacgc cggcaacggg 900

gaaactcaaa ggaattgacg gggggccgca caagcggagg aacatgtggg ttaattcgat 960

gatacgcgag gaaccttacc cgggctcaaa cgcagggggga atgccgggtga aagtcggcag 1020

ctagcaatag tcacctgcga ggtgctgcat ggttgtcgtc agctcgtgcc gtgaggtgtc 1080

ggcttaagtg ccataacgag cgcaaccctt atggacagtt actaacgggt gaagccgagg	1140
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ggcccttacg tccggggcga cacacgtgtt acaatggcag gtacagaagg cagccagtca	1260
gcaatgacgc gcgaatcccg aaaacctgtc tcagttcgga ttggagtctg caacccgact	1320
ccatgaagct ggattcgcta gtaatcgcg atcagccatg gcgcggtgaa tacgttccccg	1380
ggccttgtag acaccgcccc tcaagccatg gaagccggga gtacctgaag catgcaaccg	1440
caaggagcgt acgaaggtaa taccggtaac tggggctaag tcgtaacaag gtagccgtac	1500
cggaagggtg ggctggaaca cctccttt	1528

<210> 27
 <211> 1528
 <212> DNA
 <213> Blautia sp.

<221> misc_feature
 <223> M=A or C, R=A or G, Y=C or T, K=G or T, S=G or C

<400> 27	
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gagcgaagca cttryyattg amtcttcgga rgatttrgca tktgactgag cggcggacgg	120
gtgagtaacg cgtgggtaac ctgcctcata caggggaata acagttagaa atggctgcta	180
atgccgcata agcgcacagg rccgcatggt cyggtgtgaa aaactsmggt ggtagatgat	240
ggrcccgctg ctgattaggt agttggcggg gtaacggccc accaagccga cgatcagtag	300
ccgacctgag agggtgaccg gccacattgg gactgagaca cggcccagac tcctacggga	360
ggcagcagtg gggaatatg cacaatggag gaaactctga tgcagcgacg ccgctgaag	420
gaagaagtat ctcggtatgt aaacttctat cagcaggga gaaaatgacg gtacctgact	480
aagaagcccc ggctaactac gtgccagcag ccgcggtaat acgtaggggg caagcgttat	540
ccggatttac tgggtgtaaa gggagcgtag acggacgggc aagtctgatg tgaaagcccc	600
gggcttaacc ccgggactgc attggaaact gtccatcttg agtgccggag aggtaagcgg	660
aattcctagt gtagcggtag aatgcgtaga tattaggagg aacaccagtg gcgaaggcgg	720

cttactggac ggtaactgac gttgaggctc gaaagcgtgg ggagcaaaca ggattagata	780
ccctggtagt ccacgccgta aacgatgaat actagggtgc gggttgcaaa gcaatccggt	840
gccgcagcaa acgcagtaag tattccacct ggggagtagc ttcgcaagaa tgaaactcaa	900
aggaattgac ggggacccgc acaagcgggtg gagcatgtgg tttaattcga agcaacgcga	960
agaaccttac caagtcttga catctgcctg accgttcctt aaccggaact ttccttcggg	1020
acaggcaaga cagggtggtgc atggttgtcg tcagctcgtg tcgtgagatg ttgggttaag	1080
tcccgcaacg agcgcaaccc ctgtccttag tagccagcag tccggctggg cactctaggg	1140
agactgccgg ggataacccg gaggaaggcg gggacgacgt caaatcatca tgcccccttat	1200
gatttgggct acacacgtgc tacaatggcg taaacaaagg gaagcggagt ggtgacactg	1260
agcaaacttc aaaaataacg tcccagttcg gactgcagtc tgcaactcga ctgcacgaag	1320
ctggaatcgc tagtaatcgc gaatcagaat gtcgcggtga atacgttccc gggctcttgta	1380
cacaccgccc gtcacaccat gggagtcagt aacgcccga gtcagtgacc taaccgcaag	1440
ggaggagctg ccgaaggcgg gaccgataac tgggggtgaag tcgtaacaag gtagccgtat	1500
cggaagggtgc ggctggatca cctccttt	1528

<210> 28
 <211> 1530
 <212> DNA
 <213> *Lachnospira* sp.

<221> misc_feature
 <223> M=A or C, R=A or G, Y=C or T, W=A or T

<400> 28	
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cgaacgaagc atttgmgaac gattyttcg grwtgaagac ttttatgact gagtggcggg	120
cgggtgagta acgctggggt aacctgcctc acacaggggg atagcagttg gaaacggctg	180
ataataccgc ataagcgcac agtaccgcat ggtacagtgt gaaaaactcc ggtgggtgtga	240
gatggacccg cgtctgatta gcttgttggc rgggtaacgg ccyaccaagg caacgatcag	300

tagccgacct gagagggtga ccggccacat tgggactgag acacggccca gactcctacg	360
ggaggcagca gtggggaata ttgcacaatg gaggaaactc tgatgcagcg acgccgcgtg	420
agtgaagaag taattcgtta tgtaaagctc tatcagcagg gaagatagtg acggtacctg	480
actaagaagc tccggctaaa tacgtgccag cagccgcggt aatacgtatg gagcaagcgt	540
tatccggatt tactgggtgt aaagggagtg taggtggcat cacaagtcag aagtgaaagc	600
ccggggctca accccgggac tgcttttgaa actgtggagc tggagtgcag gagaggcaag	660
tggaattcct agtgtagcgg tgaaatgcgt agatattagg aggaacacca gtggcgaagg	720
cggcttgctg gactgtaact gacactgagg ctcgaaagcg tggggagcaa acaggattag	780
ataccctggg agtccacgcc gtaaacgatg aatactaggt gtcggggctc ataagagctt	840
cggtgccgca gcaaacgcaa taagtattcc acctggggag tacgttcgca agaataaaac	900
tcaaaggaat tgacggggac ccgcacaagc ggtggagcat gtggtttaac tcgaagcaac	960
gcgaagaacc ttaccaagtc ttgacatcct cttgrccggt cagtaatgtg rycTTTTCTT	1020
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taagtcccg c aacgagcgca acccctattc ttagtagcca gcatttaagr tgggcactct	1140
aggaagactg ccagggataa cctggaggaa ggtggggatg acgtcaaata atcatgcccc	1200
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gaagctggaa tcgctagtaa tcgcgaatca gaatgtcgcg gtgaatacgt tcccgggtct	1380
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atcggaaggt gcggctggat cacctccttt	1530

<210> 29

<211> 1530

<212> DNA

<213> Roseburia faecis

<221> misc_feature

<223> R=A or G, Y=C or T, S=G or C

<400> 29

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aacgaagcac tctatttgat tttcttcggr aatgaagatt ttgtgactga gtggcggacg	120
ggtgagtaac gcgtgggtaa cctgcctcat acagggggat aacagttgga aacgactgct	180
aataccgcat aagcgcacag gatygcagtr tccgggtgtga aaaactccgg tggatatrga	240
tggacccgcg tctgattagc cagttggcag ggtaacggcc taccaaagcg acgatcagta	300
gccgacctga gagggtgacc ggccacattg ggactgagac acggcccaaa ctctacggg	360
aggcagcagt ggggaatatt gcacaatggg ggaaaccctg atgcagcgac gccgcgtgag	420
cgaagaagta tttcgggtatg taaagctcta tcagcaggga agaagaatga cggtagctga	480
ctaagaagca ccggctaaat acgtgccagc agccgcggta atacgtatgg tgcaagcggt	540
atccggattt actgggtgta aaggagcgc aggcgggtgcg gcaagtctga tgtgaaagcc	600
cggggctcaa ccccggtact gcattggaaa ctgtcgtagt agagtgtcgg aggggtaagt	660
ggaattccta gtgtagcggg gaaatgcgta gatattagga ggaacaccag tggcgaaggc	720
ggcttactgg acgataactg acgctgaggc tcgaaagcgt ggggagcaaa caggattaga	780
taccctggta gtccacgccg taaacgatga atactagggt tcggggagca ttgctcttcg	840
gtgccgcagc aaacgcaata agtattccac ctggggagta cggtcgcaag aatgaaactc	900
aaaggaattg acggggaccc gcacaagcgg tggagcatgt ggtttaattc gaagcaacgc	960
gaagaacctt accaagtctt gacatcccga tgacagagta tgtaatgtas yytcycttcg	1020
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agctggaata gctagtaata gcagatcaga atgctgcggg gaatacgttc ccgggtcttg	1380
tacacaccgc ccgtcacacc atgggagttg gaaatgcccg aagtcagtga cccaaccgca	1440

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atcggaaggt gcggctggat cacctccttt 1530

<210> 30
<211> 20
<212> DNA
<213> Artificial Sequence

<223> primer sequence

<221> misc_feature
<223> M=A or C

<400> 30
agagtttgat ymtggctcag 20

<210> 31
<211> 21
<212> DNA
<213> Artificial Sequence

<223> primer sequence

<400> 31
acggytacct tgttacgact t 21