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<150> 62/991,767

<151> 2020-03-19

<150> 62/979,545

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<150> 62/860,049

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cgtcacacca tgggagtcag taacgcccga agtcagtgac cca
1003

<210> 16

<211> 893

<212> ADN

<213> Clostridium symbiosum

<400> 16

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120

ccgcggctca actgcgggac tgctttggaa actgtttaac tggagtgtcg gagaggtaaa
180

gtggaattcc tagtgtagcg gtgaaatgcg tagatattag gaggaacacc agtggcgaag
240

gcgacttact ggacgataac tgacgttgag gctcgaaagc gtggggagca aacaggatta
300

gataccctgg tagtccacgc cgtaaacgat gaatactagg tgttggggag caaagctctt
360

cggtgccgtc gcaaacgcag taagtattcc acctggggag tacgttcgca agaataaac
420

tcaaaggaat tgacggggac ccgcacaagc ggtggagcat gtggtttaat tcgaagcaac
480

gcgaagaacc ttaccaggtc ttgacatcga tccgacgggg gagtaacgtc cccttcctt
540

cggggcggag aagacaggcg gtgcatgggt gtcgtcagct cgtgtcgtga gatgttgggt
600

taagtcccg c aacgagcgca acccttattc taagtagcca gcggttcggc cgggaactct
660

tgggagactg ccagggataa cctggaggaa ggtggggatg acgtcaaate atcatgcccc
720

ttatgatctg ggctacacac gtgctacaat ggcgtaaaca aagagaagca agaccgag
780

gtggagcaaa tctcaaaaat aacgtctcag ttcggactgc aggctgcaac tcgcctgcac
840

gaagctggaa tcgctagtaa tcgcgaatca gaatgtcgcg gtgaatacgt tcc
893

<210> 17

<211> 1060

<212> ADN

<213> Clostridium sp.

<400> 17

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120

gtaatacgta gggggcaagc gttatccgga tttactgggt gtaaagggag cgtagacggt
180

aaagcaagtc tgaagtgaag gcccgcggtt caactgcggg actgctttgg aaactgttta
240

actggagtggt cggagaggta agtggaattc ctagtgtagc ggtgaaatgc gtagatatta
300

ggaggaacac cagtggcgaa ggcgacttac tggacgataa ctgacgttga ggctcgaaag
360

cgtggggagc aaacaggatt agataccctg gtagtccacg ccgtaaacga tgaatactag
420

gtgttgggga gcaaagctct tcggtgccgt cgcaaacgca gtaagtattc cacctgggga
480

gtacgttcgc aagaatgaaa ctcaaaggaa ttgacgggga cccgcacaag cggaggagca
540

tgtggtttta ttcgaagcaa cgcgaagaac cttaccagggt cttgacatcg atccgacggg
600

ggagtaacgt ccccttccct tcggggcgga gaagacagggt ggtgcatggt tgcgtcagc
660

tcgtgtcgtg agatgttggg ttaagtcccg caacgagcgc aacccttatt ctaagtagcc
720

agcggttcgg cggggaactc ttgggagact gccagggata acctggagga aggtggggga
780

tgacgtcaaa tcacatgcc cttatgatc tgggctacac acgtgctaca atggcgtaaa
840

caaagagaag caagaccgag aggtggagca aatctcaaaa ataacgtctc agttcggact
900

gcaggctgca actcgctgc acgaagctgg aatcgctagt aatcgcgaaat cagaatgtcg
960

cggatgaatac gttcccgggt cttgtacaca ccgcccgtca caccatggga gtcagtaacg
1020

cccgaagtca gtgacccaac cgcaaggagg gagctgccga
1060

<210> 18

<211> 561

<212> ADN

<213> Hungatella hathewayi

<400> 18
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aagccccggc taactacgtg ccagcagccg cggtaatag tagggggcaa gcgttatccg
120

gatttactgg gtgtaaaggg agcgtagacg gtttagcaag tctgaagtga aagccccggg
180

ctcaaccccg gtactgcttt ggaaactgtt agacttgagt gcaggagagg taagtggaat
240

tcctagtgtg gcggtgaaat gcgtagatat taggaggaac accagtggcg aaggcggctt
300

actggactgt aactgacgtt gaggctcgaa agcgtgggga gcaaacagga ttagataccc
360

tggtagtcca cgccgtaaac gatgaatact aggtgtcggg gggcaaagcc cttcggtgcc
420

gccgcaaacg caataagtat tccacctggg gagtacgttc gcaagaatga aactcaaagg
480

aattgacggg gacccgcaca agcgggtggag catgtggttt aattcgaagc aacgcgaaga
540

accttaccaa gtcttgacat c
561

<210> 19
<211> 557
<212> ADN
<213> Hungatella hathewayi

<400> 19
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ggctaactac gtgccagcag ccgcggtaat acgtaggggg caagcgttat ccggatttac
120

tggggtgtaaa gggagcgtag acggttttagc aagtctgaag tgaaagcccc gggctcaacc
180

ccggtactgc tttggaaact gttagacttg agtgcaggag aggtaagtgg aattcctagt
240

gtagcgggtga aatgcgtaga tattaggagg aacaccagtg gcgaaggcgg cttactggac
300

tgtaactgac gttgaggctc gaaagcgtgg ggagcaaaca ggattagata ccctggtagt
360

ccacgccgta aacgatgaat actaggtgtc ggggggcaaa gcccttcggt gccgccgcaa
420

acgcaataag tattccacct ggggagtagc ttcgcaagaa tgaaactcaa aggaattgac
480

ggggacccgc acaagcgggtg gagcatgtgg tttaattcga agcaacgcga agaaccttac
540

caagtcttga catccca
557

<210> 20

<211> 596

<212> ADN

<213> Hungatella effluvii

<400> 20

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gttacctgac taagaagccc cggctaacta cgtgccagca gccgcggtaa tacgtagggg
120

gcaagcgta tccggattta ctgggtgtaa agggagcgta gacggttaag caagtctgaa
180

gtgaaagccc ggggctcaac cccggtactg ctttggaac tgtttgactt gagtgcagga
240

gaggtaagtg gaattcctag tgtagcgggtg aaatgcgtag atattaggag gaacaccagt
300

ggcgaaggcg gcttactgga ctgtaactga cgttgaggct cgaaagcgtg gggagcaaac
360

aggattagat accctggtag tccacgccgt aaacgatgaa tactaggtgt cgggggacaa
420

agtccttcgg tgccgccgct aacgcaataa gtattccacc tggggagtag gttcgcaaga
480

atgaaactca aaggaattga cggggacccg cacaagcggg ggagcatgtg gtttaattcg
540

aagcaacgcg aagaacctta ccaagtcttg acatcccatt gaaaatcatt taaccg
596

<210> 21

<211> 585
<212> ADN
<213> Hungatella effluvii

<400> 21
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ggtacctgac taagaagccc cggctaacta cgtgccagca gccgcggtaa tacgtagggg
120

gcaagcgta tccggattta ctgggtgtaa agggagcgta gacggttaag caagtctgaa
180

gtgaaagccc ggggctcaac cccggtactg ctttggaac tgtttgactt gagtgcagga
240

gaggtaagtg gaattcctag tgtagcggtg aaatgcgtag atattaggag gaacaccagt
300

ggcgaaggcg gcttactgga ctgtaactga cgttgaggct cgaaagcgtg gggagcaaac
360

aggattagat accctggtag tccacgccgt aaacgatgaa tactaggtgt cgggggacaa
420

agtccttcgg tgccgccgct aacgcaataa gtattccacc tggggagtag gttcgcaaga
480

atgaaactca aaggaattga cggggacccg cacaagcggg ggagcatgtg gtttaattcg
540

aagcaacgag aagaacctta ccaagtcttg acatcccatt gaaaa
585

<210> 22
<211> 583
<212> ADN
<213> Hungatella effluvii

<400> 22
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ggtacctgac taagaagccc cggctaacta cgtgccagca gccgcggtaa tacgtagggg
120

gcaagcgta tccggattta ctgggtgtaa agggagcgta gacggttaag caagtctgaa
180

gtgaaagccc ggggctcaac cccggtactg ctttggaac tgtttgactt gagtgcagga
240

gaggtaagtg gaattcctag tgtagcgggtg aaatgcgtag atattaggag gaacaccagt
300

ggcgaaggcg gcttactgga ctgtaactga cggtgaggct cgaaagcgtg gggagcaaac
360

aggattagat accctggtag tccacgccgt aaacgatgaa tactaggtgt cgggggacaa
420

agtccttcgg tgccgccgct aacgcaataa gtattccacc tggggagtag gttcgcaaga
480

atgaaactca aaggaattga cggggacccg cacaagcggg ggagcatgtg gtttaattcg
540

aagcaacgcg aagaacctta ccaagtcttg acatcccatt gaa
583

<210> 23
<211> 360
<212> ADN
<213> Desconocido

<220>
<221> fuente
<223> /nota= "Descripción de lo desconocido:
Lachnospiraceae sp o [Clostridium] Citroniae 39A7-1014"

<400> 23
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ggggcaagcg ttatccggat ttactgggtg taaagggagc gtagacggcg aagcaagtct
120

ggagtgaaaa cccagggctc aacctggga ctgctttgga aactgttttg ctagagtgtc
180

ggagaggtaa gtggaattcc tagtgtagcg gtgaaatgcg tagatattag gaggaacacc
240

agtggcgaag gcggttact ggacgataac tgacgttgag gctcgaaagc gtggggagca
300

aacaggatta gataccctgg tagtccacgc cgtaaacgat gaatgctagg tgttgggggg
360

<210> 24
<211> 360
<212> ADN
<213> Desconocido

<220>

<221> fuente

<223> /nota= "Descripción de lo desconocido:
Lachnospiraceae sp o [Clostridium] citroniae 39A8-1014"

<400> 24

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120

ggagtgaaaa cccagggctc aaccctggga ctgctttgga aactgttttg ctagagtgtc
180

ggagaggtaa gtggaattcc tagtgtagcg gtgaaatgcg tagatattag gaggaacacc
240

agtggcgaag gcggcttact ggacgataac tgacgttgag gctcgaaagc gtggggagca
300

aacaggatta gataccctgg tagtccacgc cgtaaacgat gaatgctagg tgttgggggg
360

<210> 25

<211> 428

<212> ADN

<213> Desconocido

<220>

<221> fuente

<223> /nota= "Descripción de lo desconocido:
Lachnospiraceae sp o [Clostridium] citroniae 36A6-1014"

<400> 25

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ggtacctgac taagaagccc cggctaacta cgtgccagca gccgcggtaa tacgtagggg
120

gcaagcgtta tccggattta ctgggtgtaa agggagcgta gacggcgaag caagtctgga
180

gtgaaaaccc agggctcaac cctgggactg ctttggaac tgttttgcta gagtgtcgga
240

gaggtaatg gaattcctag tgtagcggcg aatgcgtag atattaggag gaacaccagt
300

ggcgaaggcg gcttactgga cgataactga cgttgaggct cgaaagcgtg gggagcaaac
360

aggattagat accctggtag tccacgccgt aaacgatgaa tgctaggtgt tggggggcaa
420

agcccttc
428

<210> 26
<211> 571
<212> ADN
<213> Desconocido

<220>
<221> fuente
<223> /nota= "Descripción de lo desconocido:
Lachnospiraceae sp o [Clostridium] sp 36C9-1014"

<400> 26
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aagccccggc taactacgtg ccagcagccg cggtaatacg tagggggcaa gcgttatccg
120

gatttactgg gtgtaaaggg agcgtagacg gcagtgcaag tctgaagtga aagccccggg
180

ctcaaccccg ggactgcttt ggaaactgtg cagctagagt gtcggagagg caagcggaaat
240

tcctagtgtg gcggtgaaat gcgtagatat taggaggaac accagtggcg aaggcggctt
300

gctggacgat gactgacgtt gaggctcgaa agcgtgggga gcaaacagga ttagataccc
360

tggtagtcca cgccgtaaac gatgactact aggtgtcggg gagcaaagct cttcggtgcc
420

gcagccaacg caataagtag tccacctggg gagtacgttc gcaagaatga aactcaaagg
480

aattgacggg gacccgcaca agcgggtggag catgtggttt aattcgaagc aacgcgaaga
540

accttacctg ctcttgacat ccctctgacc g
571

<210> 27
<211> 1050
<212> ADN
<213> Clostridium bolteae

<400> 27

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aagaaaatga cgggtacctga ctaagaagcc ccggctaact acgtgccagc agccgcggta
120

atacgtaggg ggcaagcggt atccggattt actgggtgta aaggagcgt agacggcgaa
180

gcaagtctga agtgaaaacc cagggtcaa ccctgggact gctttggaaa ctgttttgct
240

agagtgtcgg agaggtaagt ggaattccta gtgtagcgt gaaatgcgta gatattagga
300

ggaacaccag tggcgaaggc ggcttactgg acgataactg acgttgaggc tcgaaagcgt
360

ggggagcaaa caggattaga taccctggta gtccacgccg taaacgatga atgctagggtg
420

ttggggggca aagcccttcg gtgccgtcgc aaacgcagta agcattccac ctggggagta
480

cgttcgcaag aatgaaaactc aaaggaattg acggggaccc gcacaagcgg tggagcatgt
540

ggtttaattc gaagcaacgc gaagaacctt accaagtctt gacatcctct tgaccggcgt
600

gtaacggcgc cttcccttcg gggcaggaga gacaggtggt gcatggttgt cgtcagctcg
660

tgtcgtgaga tgttgggtta agtcccgcaa cgagcgcaac cttatcctt agtagccagc
720

aggtaaagct gggcactcta gggagactgc cagggataac ctggaggaag gtggggatga
780

cgtcaaatca tcatgcccct tatgatttgg gctacacacg tgctacaatg gcgtaaacia
840

agggaagcaa gacagtgatg tggagcaaata ccaaaaaata acgtcccagt tcggactgta
900

gtctgcaacc cgactacacg aagctggaat cgctagtaat cgcgaaatcag aatgtcgcgg
960

tgaatacggt cccgggtctt gtacacaccg cccgtcacac catgggagtc agcaacgccc
1020

gaagtcagtg acccaactcg caagagaggg
1050

<210> 28
<211> 827
<212> ADN
<213> Ruminococcus gnavus

<400> 28
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tgtacaagac ccgggaacgt attcaccgcg acattctgat tcgcgattac tagcgattcc
120

agcttcatgt agtcgagttg cagactacaa tccgaactga gacgttattt ttgggatttg
180

ctccccctcg cgggctcgct tccctttggt tacgccattg tagcacgtgt gtagccctgg
240

tcataagggg catgatgatt tgacgtcatc cccaccttcc tccaggttat ccctggcagt
300

ctctctagag tgcccatcct aaatgctggc tactaaagat aggggttgcg ctcggtgcgg
360

gacttaaccc aacatctcac gacacgagct gacgacaacc atgcaccacc tgtctcctct
420

gtcccgaagg aaagctccga ttaaagagcg gtcagaggga tgtcaagacc aggtaagggtt
480

cttcgcgttg cttcgaatta aaccacatgc tccaccgctt gtgcgggtcc ccgtaattc
540

ctttgagttt cattcttgcg aacgtactcc ccagggtgaa tacttattgc gtttgctgcg
600

gcaccgaatg gctttgccac ccgacaccta gtattcatcg tttacggcgt ggactaccag
660

ggtatctaata cctgtttgct cccacgctt tcgagcctca acgtcagtca tcgtccagaa
720

agccgccttc gccactgggtg ttctctctaa tatctacgca tttcaccgct acactaggaa
780

ttccgctttc ctctccgaca ctctagcctg acagttccaa atgcagt
827

<210> 29
<211> 903
<212> ADN

<213> Tyzzerella nexilis

<400> 29

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tgggtgtaaa gggagcgtag acggttgtgt aagtctgatg tgaaagcccg gggctcaacc
120

ccgggactgc attggaaact atgtaactag agtgtcggag aggtaagcgg aattcctagt
180

gtagcgggtga aatgcgtaga tattaggagg aacaccagtg gcgaaggcgg cttactggac
240

gatcactgac gttgaggctc gaaagcgtgg ggagcaaaca ggattagata ccctggtagt
300

ccacgccgta aacgatgact actaggtgtc ggggagcaaa gctcttcggt gccgcagcaa
360

acgcaataag tagtccacct ggggagtagc ttcgcaagaa tgaaactcaa aggaattgac
420

ggggacccgc acaagcggcg gagcatgtgg ttttaattcga agcaacgcga agaaccttac
480

ctggtcttga catccctctg accgctcttt aatcggagtt ttccttcggg acagaggaga
540

caggtggtgc atggttgtcg tcagctcgtg tcgtgagatg ttgggttaag tcccgcaacg
600

agcgcaaccc ctatcttcag tagccagcat ttaaggtggg cactctggag agactgccag
660

ggataacctg gaggaaggcg gggatgacgt caaatcatca tgccccttat gaccagggct
720

acacacgtgc tacaatggcg taaacaaagg gaagcgaacc tgtgagggga agcaaattctc
780

aaaaataacg tctcagttcg gattgtagtc tgcaactcga ctacatgaag ctggaatcgc
840

tagtaatcgc gaatcagcat gtcgcgggtga atacgttccc gggctcttgta cacaccgccc
900

gtc
903

<210> 30

<211> 760

<212> ADN

<213> *Veillonella tobetsuensis*

<400> 30

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60

aggccttctt gcgaatagtt agaaggattg acggtaccgg aatagaaagc cacggctaac
120

tacgtgccag cagccgcggt aatacgtagg tggcaagcgt tgtccggaat tattgggcgt
180

aaagcgcgcg caggcggatc ggtcagtctg tcttaaaagt tcggggctta accccgtgag
240

gggatggaaa ctgctgatct agagtatcgg agaggaaagt ggaattccta gtgtagcggc
300

gaaatgcgta gatattagga agaacaccag tggcgaaggc gactttctgg acgaaaactg
360

acgctgaggc gcgaaagcca ggggagcgaa cgggattaga taccgccgta gtccctggccg
420

taaacgatgg gtactaggtg taggaggtat cgaccccttc tgtgccggag ttaacgcaat
480

aagtaccccg cctggggagt acgaccgcaa gggtgaaact caaaggaatt gacggggggcc
540

cgcacaagcg gtggagtatg tggtttaatt cgacgcaacg cgaagaacct taccaggtct
600

tgacattgat ggacagaact agagatagtt cctcttcttc ggaagccaga aaacaggtgg
660

tgcacggttg tcgtcagctc gtgtcgtgag atgttgggtt aagtcccgca acgagcgcaa
720

cccctatctt atgttgccag cacttcgggt gggaactcat
760

<210> 31

<211> 1049

<212> ADN

<213> *Veillonella parvula*

<400> 31

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aatagtgaga aggattgacg gtaccggaat agaaagccac ggctaactac gtgccagcag
120

ccgcggtaat acgtagggtg caagcgttgt ccggaattat tgggcgtaaa gcgcgcgcag
180

gcggataggt cagtctgtct taaaagttcg gggcttaacc ccgtgatggg atggaaactg
240

ccaatctaga gtatcggaga ggaaagtgga attcctagtg tagcggtgaa atgcgtagat
300

attaggaaga acaccagtgg cgaaggcgac tttctggacg aaaactgacg ctgaggcgcg
360

aaagccaggg gagcgaacgg gattagatac cccggtagtc ctggccgtaa acgatgggta
420

ctaggtgtag gaggtatcga ccccttctgt gccggagtta acgcaataag taccgccct
480

ggggagtacg accgcaaggt tgaaactcaa aggaattgac gggggcccgc acaagcggtg
540

gagtatgtgg ttttaattcga cgcaacgcga agaaccttac caggtcttga cattgatgga
600

cagaaccaga gatgggttcct cttcttcgga agccagaaaa caggtgggtgc acggttgcg
660

tcagctcgtg tcgtgagatg ttgggttaag tcccgcaacg agcgcaaccc ctatcttatg
720

ttgccagcac tttgggtggg gactcatgag agactgccgc agacaatgcg gaggaaggcg
780

gggatgacgt caaatcatca tgccccttat gacctgggct acacacgtac tacaatggga
840

gttaatagac ggaagcgaga tcgcgagatg gagcaaaccg gagaaacact ctctcagttc
900

ggatcgtagg ctgcaactcg cctacgtgaa gtcggaatcg ctagtaatcg caggtcagca
960

tactgcggtg aatacgttcc cgggccttgt acacaccgcc cgtcacacca cgaaagtcgg
1020

aagtgcccaa agccggtggg gtaaccttc
1049

<210> 32

<211> 1038

<212> ADN

<213> *Veillonella parvula*

<400> 32

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aatagtgaga aggattgacg gtaccggaat agaaagccac ggctaactac gtgccagcag
120

ccgcggtaat acgtagggtg caagcgttgt ccggaattat tgggcgtaaa gcgcgcgcag
180

gcggataggt cagtctgtct taaaagtctg gggcttaacc ccgtgatggg atggaaactg
240

ccaatctaga gtatcggaga ggaaagtgga attcctagtg tagcggtgaa atgcgtagat
300

attaggaaga acaccagtgg cgaaggcgac tttctggacg aaaactgacg ctgaggcgcg
360

aaagccaggg gagcgaacgg gattagatac cccggtagtc ctggccgtaa acgatgggta
420

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480

ggggagtacg accgcaaggt tgaaactcaa aggaattgac gggggcccg cacaagcggtg
540

gagtatgtgg tttaattcga cgcaacgca agaaccttac caggtcttga cattgatgga
600

cagaaccaga gatggttcct cttcttcgga agccagaaaa caggtggtgc acggttgctg
660

tcagctcgtg tcgtgagatg ttgggttaag tcccgcaacg agcgcaacc ctatcttatg
720

ttgccagcac tttgggtggg gactcatgag agactgccgc agacaatgcg gaggaaggcg
780

gggatgacgt caaatcatca tgccccttat gacctgggct acacacgtac tacaatggga
840

gttaatagac ggaagcgaga tcgcgagatg gagcaaacc gagaaacact ctctcagttc
900

ggatcgtagg ctgcaactcg cctacgtgaa gtcggaatcg ctagtaatcg caggtcagca
960

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1020

aagtgcccaa agccggtg
1038

<210> 33
<211> 1076
<212> ADN
<213> *Lactobacillus salivarius*

<400> 33
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120

aactacgtgc cagcagccgc ggtaatacgt aggtggcaag cgttgtccgg atttattggg
180

cgtaaaggga acgcaggcgg tcttttaagt ctgatgtgaa agccttcggc ttaaccggag
240

tagtgcattg gaaactggaa gacttgagtg cagaagagga gagtggaaact ccatgtgtag
300

cggtgaaatg cgtagatata tggaagaaca ccagtggcga aagcggctct ctggtctgta
360

actgacgctg aggttcgaaa gcgtgggtag caaacaggat tagataccct ggtagtccac
420

gccgtaaacg atgaatgcta ggtgttgag ggtttccgcc cttcagtgcc gcagctaacg
480

caataagcat tccgcctggg gagtacgacc gcaaggttga aactcaaagg aattgacggg
540

ggccgcaca agcgggtggag catgtggttt aattcgaagc aacgcgaaga accttaccag
600

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780

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840

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900

agccgttctc agttcggatt gtaggctgca actcgcttac atgaagtcgg aatcgctagt
960

aatcgcgaat cagcatgtcg cggatgaatac gttcccgggc cttgtacaca ccgcccgtca
1020

caccatgaga gtttgtaaca cccaagccg gtggggtaac cgcaaggagc cagccg
1076

<210> 34

<211> 1028

<212> ADN

<213> Agathobaculum sp.

<220>

<221> base_modificada

<222> (22)..(22)

<223> a, c, t, g, desconocida u otra

<400> 34

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120

agcaagcgtt atccggatth actgggtgta aagggcgcgc aggcgggctg gcaagttgga
180

agtgaaatct aggggcttaa ccctaaact gctttcaaaa ctgctggtct tgagtgatgg
240

agaggcaggc ggaattccgt gtgtagcggg gaaatgcgta gatatacgga ggaacaccag
300

tggcgaaggc ggcctgctgg acattaactg acgtgaggc gcgaaagcgt ggggagcaaa
360

caggattaga taccctggta gtccacgccg taaacgatgg atactagggtg tgggaggtat
420

tgacccttc cgtgccgcag ttaacacaat aagtatccca cctggggagt acggccgcaa
480

ggttgaaact caaaggaatt gacggggggc cgcacaagca gtggagtatg tggtttaatt
540

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tctagccgga ctgccgttga caaaacggag gaaggtgggg acgacgtcaa atcatcatgc
780

cccttatggc ctgggctaca cacgtactac aatggcagtc atacagaggg aagcaaagct
840

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accgcaag
1028

<210> 35
<211> 908
<212> ADN
<213> *Paraclostridium benzoelyticum*

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ctcaaccgta gtaagctttt gaaactagag aacttgagtg caggagagga gagtagaatt
120

cctagtgtag cggtgaaatg cgtagatatt aggaggaata ccagtagcga aggcggctct
180

ctggactgta actgacactg aggcacgaaa gcgtggggag caaacaggat tagataccct
240

gtagtccac gccgtaaacg atgagtacta ggtgtcgggg gttaccccc tcggtgccgc
300

agctaacgca ttaagtactc cgctgggaa gtacgctcgc aagagtgaag ctcaaaggaa
360

ttgacgggga cccgcacaag tagcggagca tgtggtttta ttcgaagcaa cgcaagaac
420

cttacctaag cttgacatcc cactgacctc tccctaatacg gagatttccc ttcggggaca
480

gtggtgacag gtggtgcatg gttgtcgtca gctcgtgtcg tgagatgttg ggtaagtcc
540

cgcaacgagc gcaacccttg cctttagttg ccagcattaa gttgggcact ctagagggac
600

tgccgaggat aactcggagg aaggtgggga tgacgtcaaa tcatcatgcc ccttatgctt
660

agggctacac acgtgctaca atgggtggta cagagggttg ccaagccgcg aggtggagct
720

aatcccttaa agccattctc agttcggatt gtaggctgaa actcgcctac atgaagctgg
780

agttactagt aatcgcagat cagaatgctg cggatgaatgc gttcccgggt cttgtacaca
840

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900

gcggccgt
908

<210> 36

<211> 912

<212> ADN

<213> *Turicibacter sanguinis*

<400> 36

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cggtaatcgc taggtggcga gcgttatccg gaattattgg gcgtaaagag cgcgcagggtg
120

gttgattaag tctgatgtga aagcccacgg cttaacctgt gagggtcatt ggaaactggt
180

caacttgagt gcagaagagg gaagtggaat tccatgtgta gcggtgaaat gcgtagagat
240

atggaggaac accagtggcg aaggcggctt cctggtctgt aactgacact gaggcgcgaa
300

agcgtgggga gcaaacagga ttagataccc tggtagtcca cgccgtaaac gatgagtgt
360

aagtgttggg ggtcgaacct cagtgtgaa gttaacgcat taagcactcc gcctggggag
420

tacggtcgca agactgaaac tcaaaggaat tgacggggac ccgcacaagc ggtggagcat
480

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660

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720

gacgtcaaat catcatgccc cttatgacct gggctacaca cgtgctacaa tggttggtac
780

aaagagaagc gaagcgggtga cgtggagcaa acctcataaa gccaatctca gttcggattg
840

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<210> 37

<211> 1470

<212> ADN

<213> Megasphaera sp.

<400> 37

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caacagctgg aaacggctgc taataccgaa tacgttcttt ccgccgatg acgggatgaa
120

gaaagggagg ccttcgggct ttcgctggag gaggggcttg cgtctgatta gctagttgga
180

ggggtaacgg cccaccaagg cgacgatcag tagccgtct gagaggatga acggccacat
240

tgggactgag acacggccca gactcctacg ggaggcagca gtggggaatc ttccgcaatg
300

gacgaaagtc tgacggagca acgccgcgtg aacgatgacg gccttcgggt tgtaaagttc
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420

gaaagccacg gctaactacg tgccagcagc cgcggtaata cgtaggtggc aagcgttgtc
480

cggaattatt gggcgtaaag ggcgcgcagg cggcatcgca agtcgggtctt aaaagtgcgg
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600

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660

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720

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780

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840

ggaattgacg gggggccgca caagcgggtg agtatgtggt ttaattcgac gcaacgcgaa
900

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960

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gtcccgcaac gagegcaacc cctatcttct gttgccagca ctaaggggtg ggactcagaa
1080

gagactgccg cagacaatgc ggaggaagge ggggatgacg tcaagtcac atgcccctta
1140

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1200

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1260

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1320

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1380

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1440

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1470

<210> 38
<211> 1559
<212> ADN
<213> Megasphaera sp.

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120

gcgtaagcaa cctgcccttc agatggggac aacagctgga aacggctgct aataccgaat
180

acgttctttc cgccgcatga cgggatgaag aaagggaggc cttcgggctt tcgctggagg
240

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300

agccggtctg agaggatgaa cggccacatt gggactgaga cacggcccag actcctacgg
360

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420

acgatgacgg ccttcggggt gtaaagttct gttatatggg acgaacagga tagcgggtcaa
480

taccggttat ccctgacggt accgtaagag aaagccacgg ctaactacgt gccagcagcc
540

gcgtaatac gtaggtggca agcgttgctc ggaattattg ggcgtaaagg gcgcgcaggc
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ggcatcgcaa gtcggtctta aaagtgcggg gcttaacccc gtgaggggac cgaaactgtg
660

aagctcgagt gtcggagagg aaagcggaat tcctagtgtg gcggtgaaat gcgtagatat
720

taggaggaac accagtggcg aaagcggctt tctggacgac aactgacgct gaggcgcgaa
780

agccagggga gcaaacggga ttagataccc cggtagtcct ggccgtaaac gatggatact
840

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900

ggagtacggc cgcaaggctg aaactcaaag gaattgacgg gggcccgcac aagcgggtgga
960

gtatgtgggtt taattcgacg caacgcgaag aaccttacca agccttgaca ttgattgcta
1020

cggaagaga tttccggttc ttcttcggaa gacaagaaaa caggtgggtgc acggctgtcg
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tcagctcgtg tcgtgagatg ttgggttaag tcccgcaacg agcgcaaccc ctatcttctg
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1200

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1260

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1320

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1380

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1440

tcacacccga agccggtgag gcaaccgcaa ggaaccagcc gtcgaagggtg ggggcatga
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1559

<210> 39

<211> 1277

<212> ADN

<213> *Selenomonas felix*

<400> 39

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120

gcaatggggc caagcctgac ggagcaacgc cgcgtgagtg aagaaggtct tcggatcgta
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240

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300

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360

gtgcggggct caaccccgctg atgggagaga aactatcggc cttgagtaca ggagaggaaa
420

gcggaattcc cagtgtagcg gtgaaatgcg tagatattgg gaagaacacc agtggcgaag
480

gcggctttct ggactgcaac tgacgctgag gctcgaaagc caggggagcg aacgggatta
540

gataccccgg tagtcctggc cgtaaacgat ggatactagg tgtgggaggt atcgaccctt
600

accgtgccgg agttaacgca ataagtatcc cgcctgggga gtacggccgc aaggctgaaa
660

ctcaaaggaa ttgacgggga cccgcacaag cgggtggagta tgtggtttaa ttcgaagcaa
720

cgcaagaac cttaccaggc cttgacattg actgaaagca ctagagatag tgccctctct
780

tcggagacag gaaaacaggt ggtgcatggc tgctcgtcagc tcgtgtcgtg agatgttggg
840

ttaagtcccg caacgagcgc aaccctgtt ctttgttgcc atcaggtaaa gctgggcact
900

caaaggagac tgccgcggag aacgcggagg aaggcgggga tgacgtcaag tcatcatgcc
960

ccttatggcc tgggctacac acgtactaca atggaacgga cagagagcag cgaacccgcg
1020

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1080

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1140

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1260

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1277

<210> 40
<211> 1067
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<213> Enterococcus gallinarum

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120

gctaactacg tgccagcagc cgcggtaata cgtaggtggc aagcgttgct cggatttatt
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gggcgtaaag cgagcgcagg cggtttctta agtctgatgt gaaagcccc ggctcaaccg
240

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cacgccgtaa acgatgagtg ctaagtgttg gagggtttcc gcccttcagt gctgcagcaa
480

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660

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720

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780

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900

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960

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1067

<210> 41
<211> 1067
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<213> *Enterococcus gallinarum*

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120

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240

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gtagatatat ggaggaacac cagtggcgaa ggcggctctc tgggtctgtaa ctgacgctga
360

ggctcgaaag cgtggggagc gaacaggatt agataccctg gtagtccacg ccgtaaacga
420

tgagtgctaa gtgttgagg gtttccgccc ttcagtgtg cagcaaacgc attaagcact
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ccgcctgggg agtacgaccg caaggttgaa actcaaagga attgacgggg gcccgcaaa
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720

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780

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840

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900

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960

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1020

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1067