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<151> 2017-05-17

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gaatattgca caatgggcgc aagcctgatg cagccatgcc gcgtgtatga agaaggcctt	420
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acgttaccgg cagaagaagc accggctaac tccgtgccag cagccgcggt aatacgagg	540
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tagagggggg tagaattcca tgtgtagcgg tgaaatgcgt agagatgtgg aggaataccg	720
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tcccgggcct tgtacacacc gcccgtcaca ccatgggagt gggttgcaaa agaagtaggt	1440
agcttaacct tcgggagggc gcttaccact ttgtgattca tgactgggggt gaagtcgtaa	1500
caaggtaacc gtaggggaac ctgcggttgg atcacctcct ta	1542

<210> 10
 <211> 1505
 <212> DNA
 <213> *Serratia marcescens*

<400> 10

gctcagattg aacgctggcg gcaggcttaa cacatgcaag tcgagcggta gcacagggga	60
gcttgctccc tgggtgacga gcggcggacg ggtgagtaat gtctgggaaa ctgcctgatg	120
gagggggata actactggaa acggtagcta ataccgcata acgtcgcaag accaaagagg	180
gggaccttcg ggctcttgc catcagatgt gcccagatgg gattagctag taggtggggt	240
aatggctcac ctaggcgacg atccctagct ggtctgagag gatgaccagc cacactggaa	300
ctgagacacg gtccagactc ctacgggagg cagcagtggg gaatattgca caatgggcgc	360
aagcctgatg cagccatgcc gcgtgtgtga agaaggcctt cgggttgtaa agcactttca	420
gcgaggagga aggtggtgag cttatacgt tcatcaattg acgttactcg cagaagaagc	480
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tactgggcgt aaagcgcacg caggcggttt gttaagtcag atgtgaaatc cccgggctca	600
acctgggaac tgcatttgaa actggcaagc tagagtctcg tagagggggg tagaattcca	660
ggtgtagcgg tgaaatgcgt agagatctgg aggaataaccg gtggcgaagg cgggcccctg	720
gacgaagact gacgctcagg tgccaaagcg tggggagcaa acaggattag ataccctggt	780
agtccacgct gtaaacgatg tcgatttgga ggttggtccc ttgaggcgtg gcttccggag	840
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tacctactct tgacatccag agaactttcc agagatggat tggcgccctt gggaactctg	1020
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cagtgataaa ctggaggaag gtggggatga cgtcaagtca tcatggccct tacgagtagg	1200
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cgctagtaat cgtagatcag aatgctacgg tgaatacgtt cccgggcctt gtacacaccg	1380
cccgtcacac catgggagtg ggttgcaaaa gaagtaggta gcttaacctt cgggagggcg	1440

cttaccactt tgtgattcat gactgggggtg aagtcgtaac aaggtaaccg taggggaacc	1500
tgcgg	1505

<210> 11
 <211> 1438
 <212> DNA
 <213> Enterobacter aerogenes

<220>
 <221> misc_feature
 <222> (1425)..(1425)
 <223> n is a, c, g, or t

<400> 11	
acgctggcgg caggcctaac acatgcaagt cgagcggtag cacagagagc ttgctctcgg	60
gtgacgagcg gcggacgggt gagtaatgtc tgggaaactg cctgatggag ggggataact	120
actggaaacg gtagctaata ccgcataacg tcgcaagacc aaagtggggg accttcgggc	180
ctcatgccat cagatgtgcc cagatgggat tagctagtag gtggggtaat ggctcaccta	240
ggcgacgatc cctagctggt ctgagaggat gaccagccac actggaactg agacacggtc	300
cagactccta cgggaggcag cagtggggaa tattgcacaa tgggcgcaag cctgatgcag	360
ccatgccgcg tgtatgaaga aggccttcgg gttgtaaagt actttcagcg aggaggaagg	420
cgtaaggtt aataaccttg gcgattgacg ttactcgagc aagaagcacc ggctaactcc	480
gtgccagcag ccgcggtaat acggagggtg caagcgtaa tcggaattac tgggcgtaaa	540
gcgcacgcag gcggtctgtc aagtcggatg tgaaatcccc gggctcaacc tgggaactgc	600
attcgaaaact ggcaggctag agtctttag aggggggtag aattccaggt gtagcggtag	660
aatgcgtaga gatctggagg aataccggtg gcgaaggcgg cccctggac aaagactgac	720
gctcaggtag gaaagcgtgg ggagcaaaca ggattagata ccctggtagt ccacgccgta	780
aacgatgtcg acttgagggt tgtgcccttg aggcgtggct tccggagcta acgcgttaag	840
tcgaccgcct ggggagtagc gccgcaaggt taaaactcaa atgaattgac gggggcccg	900
acaagcgggtg gagcatgtgg tttaattcga tgcaacgcga agaaccttac ctactcttga	960
catccagaga acttagcaga gatgcttttg tgccttcggg aactctgaga caggtgctgc	1020

atggctgtcg tcagctcgtg ttgtgaaatg ttgggttaag tcccgcacg agcgcaaccc	1080
ttatcctttg ttgccagcgg tccggccggg aactcaaagg agactgccag tgataaactg	1140
gaggaaggtg gggatgacgt caagtcacga tggcccttac gagtagggct acacacgtgc	1200
tacaatggca tatacaaaga gaagcgacct cgcgagagca agcggacctc ataaagtatg	1260
tcgtagtccg gattggagtc tgcaactcga ctccatgaag tcggaatcgc tagtaatcgt	1320
agatcagaat gctacgggtga atacgttccc gggccttgta cacaccgccc gtcacaccat	1380
gggagtgggt tgcaaaagaa gtaggtagct taaccttcgg gaggnccgctt taccactt	1438

<210> 12
 <211> 1511
 <212> DNA
 <213> Enterobacter cloacae

<400> 12	
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cgggtgacga gtggcggacg ggtgagtaat gtctgggaaa ctgcctgatg gagggggata	120
actactggaa acggtagcta ataccgcata aygtcgcaag accaaagagg gggaccttcg	180
ggcctcttgc catcagatgt gccagatgg gattagctag taggtgggggt aacggctcac	240
ctaggcgacg atccctagct ggtctgagag gatgaccagc cactactggaa ctgagacacg	300
gtccagactc ctacgggagg cagcagtggg gaatattgca caatgggcgc aagcctgatg	360
cagccatgcc gcgtgtatga agaaggcctt cgggttgtaa agtactttca gcggggagga	420
aggtgttggt gttaataacc gcagcaattg acgttaccgg cagaagaagc accggctaac	480
tccgtgccag cagccgcggg aatacggagg gtgcaagcgt taatcggaat tactgggcgt	540
aaagcgcacg caggcgggtct gtcaagtcgg atgtgaaatc cccgggctca acctgggaac	600
tgcatcga actggcaggc tggagtcttg tagagggggg tagaattcca ggtgtagcgg	660
tgaaatgcgt agagatctgg aggaataacc gtggcgaagg cggccccctg gacaaagact	720
gacgctcagg tgcgaaagcg tggggagcaa acaggattag ataccctggg agtccacgcc	780
gtaaacgatg tcgatttgga ggttgtgccc ttgaggcgtg gcttccggag ctaacgcgtt	840

aaatcgaccg cctggggagt acggccgcaa ggtaaact caaatgaatt gacgggggcc	900
cgcacaagcg gtggagcatg tggtttaatt cgatgcaacg cgaagaacct tacctgggtct	960
tgacatccac agaactttcc agagatggat tggcgccttc gggaactgtg agacaggtgc	1020
tgcatggctg tcgtcagctc gtgttgtgaa atgttgggtt aagtcgca acgagcgcaa	1080
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tgctacaatg gcgcatacaa agagaagcga cctcgcgaga gcaagcggac ctcataaagt	1260
gcgtcgtagt ccggattgga gtctgcaact cgactccatg aagtcggaat cgctagtaat	1320
cgtagatcag aatgctacgg tgaatacgtt cccgggcctt gtacacaccg cccgtcacac	1380
catgggagtg ggttgcaaaa gaagtaggta gcttaacctt cgggagggcg cttaccactt	1440
tgtgattcat gactgggggtg aagtcgtaac aaggtaaccg taggggaacc tgcggctgga	1500
tcacctcctt g	1511

<210> 13
 <211> 1534
 <212> DNA
 <213> *Klebsiella pneumoniae*

<220>
 <221> misc_feature
 <222> (11)..(12)
 <223> n is a, c, g, or t

<400> 13	
agagtttgat nntggctcag attgaacgct ggccggcaggc ctaacacatg caagtcgagc	60
ggtagcacag agagcttgct ctcgggtgac gagcggcgga cgggtgagta atgtctggga	120
aactgcctga tggaggggga taactactgg aaacggtagc taataccgca taacgtcgca	180
agaccaaagt gggggacctt cgggcctcat gccatcagat gtgcccagat gggattagct	240
agtaggtggg gtaacggctc acctaggcga cgatccctag ctgggtctgag aggatgacca	300
gccacactgg aactgagaca cggccagac tcctacggga ggcagcagtg gggaaatattg	360
cacaatgggc gcaagcctga tgcagccatg ccgcgtgtgt gaagaaggcc ttcgggttgt	420

aaagcacttt cagcggggag gaaggcgatg aggttaataa cctcatcgat tgacgttacc	480
ctgcagaaga agcaccggct aactccgtgc cagcagccgc ggtaatacgg agggtgcaag	540
cgtaaatcgg aattactggg cgtaaagcgc acgcaggcgg tctgtcaagt cggatgtgaa	600
atccccgggc tcaacctggg aactgcattc gaaactggca ggctagagtc ttgtagaggg	660
gggtagaatt ccaggtgtag cggtgaaatg cgtagagatc tggaggaata ccggtggcga	720
aggcggcccc ctggacaaag actgacgctc aggtgcgaaa gcgtggggag caaacaggat	780
tagataccct ggtagtcac gccgtaaacg atgtcgattt ggaggttgtg cccttgaggc	840
gtggcttccg gagctaacgc gttaaatacga ccgcctgggg agtacggccg caaggttaaa	900
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gttaagtccc gcaacgagcg caacccttat cctttgttgc cagcggttag gccgggaact	1140
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ccttacgacc agggctacac acgtgctaca atggcatata caaagagaag cgacctcgcg	1260
agagcaagcg gacctcataa agtatgtcgt agtccggatt ggagtctgca actcgactcc	1320
atgaagtcgg aatcgctagt aatcgtagat cagaatgcta cggngaatac gttcccgggc	1380
cttgtagaca ccgcccgtca caccatggga gtgggttgca aaagaagtag gtagcttaac	1440
cttcgggagg gcgcttacca ctttgtgatt catgactggg gtgaagtcgt aacaaggtaa	1500
ccgtagggga acctgcggtt ggatcacctc cttt	1534

<210> 14
 <211> 1536
 <212> DNA
 <213> *Pseudomonas aeruginosa*

<400> 14	
gaactgaaga gtttgatcat ggctcagatt gaacgctggc ggcaggccta acacatgcaa	60
gtcgagcgga tgaaggagc ttgctcctgg attcagcggc ggacgggtga gtaatgccta	120

ggaatctgcc tggtagtggg ggataacgtc cggaaacggg cgctaatacc gcatacgtcc	180
tgaggagaaa agtgggggat cttcggacct cacgctatca gatgagccta ggtcggatta	240
gctagttggt ggggtaaaagg cctaccaagg cgacgatccg taactgggtct gagaggatga	300
tcagtcacac tggaaactgag acacgggtcca gactcctacg ggaggcagca gtggggaata	360
ttggacaatg ggcgaaagcc tgatccagcc atgccgcgtg tgtgaagaag gtcttcggat	420
tgtaaagcac ttttaagttgg gaggaagggc agtaagttaa taccttgctg ttttgacgtt	480
accaacagaa taagcaccgg ctaacttcgt gccagcagcc gcggtataac gaagggtgca	540
agcgtaatac ggaattactg ggcgtaaagc gcgcgtaggt ggttcagcaa gttggatgtg	600
aaatccccgg gctcaacctg ggaactgcat ccaaaactac tgagctagag tacggtagag	660
ggtggtggaa tttcctgtgt agcggtgaaa tgcgtagata taggaaggaa caccagtggc	720
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attagatacc ctggtagtcc acgccgtaaa cgatgtcgac tagccgttgg gatccttgag	840
atcttagtgg cgcagctaac gcgataagtc gaccgcctgg ggagtacggc cgcaaggtta	900
aaactcaaat gaattgacgg gggcccgcac aagcgggtgga gcatgtgggt taattcgaag	960
caacgcgaag aaccttacct ggccttgaca tgctgagaac tttccagaga tggattggtg	1020
ccttcgggaa ctgagacaca ggtgctgcat ggctgtcgtc agctcgtgtc gtgagatgtt	1080
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gcgtgaagtc ggaatcgcta gtaatcgtga atcagaatgt cacggtgaat acgttccccg	1380
gccttgatca caccgcccgt cacacatggt gagtgggttg ctccagaagt agctagtcta	1440
accgcaaggg ggacgggtac cacggagtga ttcatgactg gggagaagtc gtaacaaggt	1500
agccgtaggg gaacctgcgg ctggatcacc tcctta	1536

<211> 1497
<212> DNA
<213> *Acinetobacter calcoaceticus*

<400> 15
tagagtttga tcctggctca gattgaacgc tggcggcagg cttaacacat gcaagtcgag 60
cggggaaagg tagcttgcta ctggacctag cggcggacgg gtgagtaatg cttaggaatc 120
tgcctattag tgggggacaa cattccgaaa ggaatgctaa taccgcatac gtcctacggg 180
agaaagcagg ggaccttcgg gccttgcgct aatagatgag cctaagtcgg attagctagt 240
tggtggggta aaggcctacc aaggcgacga tctgtagcgg tctgagagga tgatccgcca 300
cactgggact gagacacggc ccagactcct acgggaggca gcagtgggga atattggaca 360
atgggggggaa ccctgatcca gccatgccgc gtgtgtgaag aaggccttat ggttgtaaag 420
cactttaagc gaggaggagg ctactagtat taatactact ggatagtgga cgttactcgc 480
agaataagca ccggctaact ctgtgccagc agccgcggta atacagaggg tgcgagcgtt 540
aatcggattt actgggcgta aagcgtgcgt aggcggccat ttaagtcaaa tgtgaaatcc 600
ccgagcttaa cttggaatt gcattgcata ctggatggct agagtatggg agaggatggt 660
agaattccag gtgtagcggg gaaatgcgta gagatctgga ggaataccga tggcgaaggc 720
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taccctggta gtccatgccg taaacgatgt ttactagccg ttggggcctt tgaggcttta 840
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aatgaattg acggggggccc gcacaagcgg tggagcatgt ggtttaattc gatgcaacgc 960
gaagaacctt acctggcctt gacatactag aaactttcca gagatggatt ggtgccttcg 1020
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gatgctaata tcaaaaagcc gatcgtagtc cggattggag tctgcaactc gactccatga 1320
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cacaccgccc gtcacaccat gggagtttgt tgcaccagaa gtaggtagtc taaccgcaag 1440

gaggacgctt accacgggtgt ggccgatgac tgggggtgaag tcgtaacaag gtaacca 1497

<210> 16

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Forward Primer

<400> 16

cctcttgcca tcggatgtg 19

<210> 17

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Reverse Primer

<400> 17

ccagtgtggc tggtcacacct 20

<210> 18

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Forward Primer

<400> 18

cctacgggag gcagcagtag 20

<210> 19

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Forward Primer

<400> 19
gggaggcagc agtagggaat 20

<210> 20
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Reverse Primer

<400> 20
cgatccgaaa accttcttca ct 22

<210> 21
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Forward Primer

<400> 21
aagacggtct tgctgtcact tataga 26

<210> 22
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Reverse Primer

<400> 22
ctatgcatcg ttgccttggt aa 22

<210> 23
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Forward Primer

<400> 23
tgccgcgtga atgaagaa 18

<210> 24
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Forward Primer

<400> 24
gcgtgaagga tgaaggctct a 21

<210> 25
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Forward Primer

<400> 25
tgatgaagggt tttcggatcg t 21

<210> 26
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> Reverse Primer

<400> 26
tgatgtacta ttaacacatc aaccttcct 29

<210> 27
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Reverse Primer

<400> 27
aacgctcggga tcttccgtat ta 22

<210> 28
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Reverse Primer

<400> 28
cgctcgccac ctacgtatta c 21

<210> 29
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Forward Primer

<400> 29
gttgtaagag aagaacgagt gtgagagt 28

<210> 30
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Reverse Primer

<400> 30
cgtagttagc cgtccctttc tg 22

<210> 31
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Forward Primer

<400> 31
gcggtttggtt aagtcagatg tgaa 24

<210> 32
<211> 22

<212> DNA
<213> Artificial Sequence

<220>
<223> Forward Primer

<400> 32
ggtctgtcaa gtcggatgtg aa 22

<210> 33
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Forward Primer

<400> 33
tcaacctggg aactcattcg a 21

<210> 34
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Reverse Primer

<400> 34
ggaattctac ccccctctac ga 22

<210> 35
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Reverse Primer

<400> 35
ggaattctac ccccctctac aag 23

<210> 36
<211> 1720
<212> DNA
<213> *Aspergillus fumigatus*

<400> 36

ggaccgggcc	tgtctaggta	taagcaattt	atacggtgaa	actgcgaatg	gctcatta	aaa	60
tcagttatcg	tttatttgat	agtaccttac	tacatggata	cctgtggtaa	ttctagagct		120
aatacatgct	aaaaacctcg	acttcggaag	gggtgtat	ttt	attagataaa	aaaccaatgc	180
ccttcggggc	tccttgggtga	atcataataa	cttaacgaat	cgcatggcct	tgcgccggcg		240
atggttcatt	caaatttctg	ccctatcaac	tttcgatgg	t	aggatagtg	cctaccatgg	300
tggcaacggg	taacggggaa	ttagggttcg	attccggaga	gggagcctga	gaaacggcta		360
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acaataaata	ctgatacggg	gctcttttgg	gtctcgtaat	tggaatgagt	acaatctaaa		480
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<210> 37
 <211> 1632
 <212> DNA
 <213> Candida albicans

<220>
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 <223> n is a, c, g, or t

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<210> 38
 <211> 1732
 <212> DNA
 <213> Candida glabrata

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<210> 39
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 <212> DNA
 <213> Candida parapsilosis

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<211> 1563
<212> DNA
<213> *Candida tropicalis*

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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (627)..(627)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (631)..(631)
<223> n is a, c, g, or t

<220>
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<222> (674)..(674)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (684)..(684)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (699)..(699)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (704)..(704)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (723)..(822)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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ggt	1563

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 <211> 1801
 <212> DNA
 <213> Cryptococcus neoformans

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<210> 42
 <211> 1673
 <212> DNA
 <213> Fusarium sp.

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<210> 43

<211> 1554

<212> DNA

<213> *Bacillus anthracis*

<400> 43

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cgtgtcgtga gatgttgggt taagtccgc aacgagcgca acccttgatc ttagttgcca	1140
tcattwagtt gggcactcta aggtgactgc cggtgacaaa ccggaggaag gtggggatga	1200
cgtcaaatca tcatgcccct tatgacctgg gctacacacg tgctacaatg gacggtacaa	1260
agagctgcaa gaccgcgagg tggagctaata ctataaaac cgttctcagt tcggattgta	1320
ggctgcaact cgcctacatg aagctggaat cgctagtaat cgcggatcag catgccgcgg	1380

tgaatacgtt cccgggcctt gtacacaccg cccgtcacac cacgagagtt tgtaacaccc	1440
gaagtcggtg gggtaacctt tttggagcca gccgcctaag gtgggacaga tgattggggt	1500
gaagtcgtaa caaggtagcc gtatcgggaag gtgcggctgg atcacctcct ttct	1554

<210> 44
 <211> 1610
 <212> DNA
 <213> Burkholderia pseudomallei

<400> 44	
tctagatgcg tgctcgagcg gccgcccagt gctgcatgga tatctgctga attcggcttg	60
agcagtttga tcctggctca gattgaacgc tggcggcatg ctttacacat gcaagtcgaa	120
cggcagcacg ggcttcggcc tgggtggcgag tggcgaacgg gtgagttata catcggagca	180
tgtcctgtag tgggggatag cccggcgaaa gccgaattaa taccgcatac gatctgagga	240
tgaaagcggg ggaccttcgg gcctcgcgct atagggttgg ccgatggctg attagctagt	300
tgggtgggta aaggcctacc aaggcgacga tcagtagctg gtctgagagg acgaccagcc	360
acactgggac tgagacacgg cccagactcc tacgggaggc agcagtgggg aattttggac	420
aatgggcgca agcctgatcc agcaatgccg cgtgtgtgaa gaaggccttc gggttgtaaa	480
gcacttttgt ccggaaagaa atcattctgg ctaatacccg gagtggatga cggtaaccgga	540
agaataagca ccggctaact acgtgccagc agccgcggta atacgtaggg tgcgagcgtt	600
aatcgggatt actgggcgta aagcgtgcgc aggcggtttg ctaagaccga tgtgaaatcc	660
ccgggctcaa cctgggaact gcattggtga ctggcaggct agagtatggc agaggggggt	720
agaattccac gtgtagcagt gaaatgcgta gagatgtgga ggaataaccga tggcgaaggc	780
agccccctgg gccaaactg acgctcatgc acgaaagcgt ggggagaaaa caggattaga	840
taccctggta gtccacgccc taaacgatgt caactagtgt ttggggattc atttccttag	900
taacgtagct aacgcgcgaa gttgaccgcc tggggagtac ggtcgcaaga ttaaaactca	960
aaggaattga cggggacccg cacaagcggg ggatgatgtg gattaattcg atgcaacgcg	1020
aaaaacctta cctacccttg acatggctcg aagcccgatg agagttgggc gtgctcgaaa	1080
gagaaccggc gcacaggtgc tgcattggctg tcgtcagctc gtgtcgtgag atgttggggt	1140

aagtcgca acgagcgcaa cccttgcct tagttgctac gcaagagcac tctaaggaga	1200
ctgccggtga caaacggag gaaggtgggg atgacgtcaa gtcctcatgg cccttatggg	1260
tagggcttca cacgtcatac aatggtcgga acagagggtc gccaacccgc gagggggagc	1320
caatcccaga aaaccgatcg tagtccggat tgcactctgc aactcgagt catgaagctg	1380
gaatcgctag taatcgcgga tcagcatgcc gcggtgaata cggtccggg tcttgtagac	1440
accgcccgtc acacatggg agtgggtttt accagaagt gctagtctaa ccgcaaggag	1500
gacggtcacc acggtaggat tcatgactgg ggtgaagtcg taacaaggta gccgtagaag	1560
ccgaattcca gcacactggc ggccgttact actggatccg agctcgtacc	1610

<210> 45
 <211> 1511
 <212> DNA
 <213> Clostridium botulinum

<220>
 <221> misc_feature
 <222> (1)..(7)
 <223> n is a, c, g, or t

<400> 45	
nnnnnnngag agtttgatcc tggctcagga cgaacgctgg cggcgtgctt aacacatgca	60
agtcgagcga tgaagcttcc ttccgggaagt ggattagcgg cggacgggtg agtaacacgt	120
gggtaacctg cctcaaagtg ggggatagcc ttccgaaagg aagattaata ccgcataata	180
taagagaatc gcatgatattt cttatcaaag atttattgct ttgagatgga cccgcggcgc	240
attagctagt tggtaaggta acggcttacc aaggcaacga tgcgtagccg acctgagagg	300
gtgatcggcc acattggaac tgagacacgg tccagactcc tacgggaggc agcagtgggg	360
aatattgcgc aatgggggag accctgacgc agcaacgccg cgtgggtgat gaaggtcttc	420
ggattgtaaa gccctgtttt ctaggacgat aatgacggta ctagaggagg aagccacggc	480
taactacgtg ccagcagccg cggtaatacg taggtggcga gcgttggtccg gatttactgg	540
gcgtaaaggg tgcgtaggcg gatgtttaag tgggatgtga aatccccggg cttaacctgg	600

gggctgcatt ccaaactgga tatctagagt gcaggagagg aaagcggaat tcctagtgt	660
gcggtgaaat gcgtagagat taggaagaac accagtggcg aaggcggctt tctggactgt	720
aactgacgct gaggcacgaa agcgtgggta gcaaacagga ttagataccc tggtagtcca	780
cgccgtaaac gatggatact aggtgtaggg ggtatcaact cccctgtgc cgcagttaac	840
acaataagta tcccgcctgg ggagtacggc cgcaagatta aaactcaaag gaattgacgg	900
gggcccgcac aagcagcggg gcatgtgggt taattcgaag caacgcgaag aaccttacct	960
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gtggtgcatg gttgtcgtca gctcgtgtcg tgagatgtta ggttaagtcc tgcaacgagc	1080
gcaacccttg ttattagttg ctaccattaa gttgagcact ctaatgagac tgcctgggta	1140
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cgtgctacaa tggtaggtac aataagacgc aagaccgtga ggtggagcaa aacttataaa	1260
acctatctca gttcggattg taggctgcaa ctcgcctaca tgaagctgga gttgctagta	1320
atcgcgaaatc agaatgtcgc ggtgaatacg ttcccgggcc ttgtacacac cgccccgtca	1380
caccatgaga gctggttaaca cccgaagtcc gtgaggtaac cgtaaggagc cagcggccga	1440
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ggatcacctc c	1511

<210> 46
 <211> 1510
 <212> DNA
 <213> Clostridium botulinum

<220>
 <221> misc_feature
 <222> (1)..(7)
 <223> n is a, c, g, or t

<400> 46	
nnnnnnngag agtttgatcc tggctcagga cgaacgctgg cggcgtgctt aacacatgca	60
agtcgagcga tgaagcttcc ttcgggaagt ggattagcgg cggacgggtg agtaacacgt	120
gggtaacctg cctcaaagtg ggggatagcc ttccgaaagg aagattaata ccgcataaca	180

taagagaatc gcatgatattt cttatcaaag atttattgct ttgagatgga cccgcggcgc	240
attagctagt tggtaaggta acggcttacc aaggcaacga tgcgtagccg acctgagagg	300
gtgatcggcc acattggaac tgagacacgg tccagactcc tacgggaggc aggagtgggg	360
aatattgcgc aatgggggaa accctgacgc agcaacgccg cgtgggtgat gaaggctttc	420
ggattgtaaa gccctgtttt ctaggacgat aatgacggta ctagaggagg aagccacggc	480
taactacgtg ccagcagccg cggtaatacg taggtggcga gcgttgtccg gatttactgg	540
gcgtaaaggg tgcgtaggcg gatgtttaag tgggatgtga aatccccggg cttaacctgg	600
gggctgcatt ccaaactgga tatctagagt gcaggagagg aaagcggaat tcctagtgt	660
gcggtgaaat gcgtagagat taggaagaac accagtggcg aaggcggctt tctggactgt	720
aactgacgct gaggcacgaa agcgtgggta gcaaacagga ttagataccc tggtagtcca	780
cgccgtaaac gatggatact aggtgtaggg ggtatcaact cccctgtgc cgcagttaac	840
acaataagta tccgcctgg ggagtacggc cgcaagatta aaactcaaag gaattgacgg	900
gggcccgcac aagcagcggg gcatgtgggt taattcgaag caacgcgaag aaccttacct	960
ggacttgaca tcccttgcac agcctagaga taggtgaagc ccttcggggc aaggagacag	1020
gtggtgcatg gttgtcgtca gctcgtgtcg tgagatgtta ggttaagtcc tgcaacgagc	1080
gcaacccttg ttattagttg ctaccattaa gttgagcact ctaatgagac tgcctgggta	1140
accaggagga aggtggggat gacgtcaaat catcatgccc cttatgtcca gggctacaca	1200
cgtgctacaa tggtaggtac aataagacgc aagaccgtga ggtggagcaa aacttataaa	1260
acctatctca gttcggattg taggctgcaa ctcgcctaca tgaagctgga gttgctagta	1320
atcgcgaatc agaatgtcgc ggtgaatacg ttcccgggcc ttgtacacac cgcccgtcac	1380
accatgagag ctggtaacac ccgaagtccg tgaggtaacc gtaaggagcc agcggccgaa	1440
ggtgggatta gtgattgggg tgaagtcgta acaaggtagc cgtaggagaa cctgcggctg	1500
gatcacctcc	1510

<210> 47

<211> 1516

<212> DNA
<213> Clostridium botulinum

<220>
<221> misc_feature
<222> (1)..(7)
<223> n is a, c, g, or t

<400> 47
nnnnnnngag agtttgatcc tggctcagga cgaacgtggc ggcgtgccta acacatgcaa 60
gtcgagcgat gaagcttcct tcggggagtg gattagcggc ggacgggtga gtaacacgtg 120
ggtaacctgc ctcaaagagg gggatagcct cccgaaaggg agattaatac cgcataacat 180
tattttatgg catcatagaa taatcaaagg agcaatccgc ttgattatg gacccgcgtc 240
gcattagcta gttggtgagg taacggctca ccaaggcaac gatgcgtagc cgacctgaga 300
gggtgatcgg ccacattgga actgagacac ggtccagact cctacgggag gcagcagtgg 360
ggaatattgc gcaatggggg aaaccctgac gcagcaacgc cgcgtgagtg atgaaggttt 420
tcggatcgta aaactctgtc tttagggacg ataatgacgg tacctaagga ggaagccacg 480
gctaactacg tgccagcagc cgcggttaata cgtaggtggc aagcgttgtc cggatttact 540
gggcgtaaag agtatgtagg tgggtgctta agtcagatgt gaaattcccc ggcttaacct 600
gggcgctgca tttgaaactg ggcatctaga gtgcaggaga ggaaagtgga attcctagt 660
tagcggtgaa atgcgtagag attaggaaga acaccagtgg cgaaggcgac tttctggact 720
gtaactgaca ctgagatacg aaagcgtggg tagcaaacag gattagatcc ccctggtagt 780
ccacgccgta aacgatgaat actaggtgtc ggggggtacc accctcgggtg ccgcagcaaa 840
cgcattaagt attccgcctg gggagtacgg tcgcaagatt aaaactcaaa ggaattgacg 900
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caggtggtgc atggttgctg tcagctcgtg tcgtgagatg ttgggttaag tcccgaacg 1080
agcgcaaccc ttattgttag ttgctactat taagttaagc actctaacga gactgccgcg 1140
gttaacgtag aggaagggtg ggatgacgtc aaatcatcat gccccttatg tctagggcta 1200

cacacgtgct acaatggctg gtacaacgag cagcaaaccc gcgaggggga gcaaaacttg	1260
aaagccagtc ccagttcgga ttgtaggctg aaactcgcct acatgaagtt ggagttgcta	1320
gtaatcgcgga aatcagcatg tcgcggtgaa tacgtccccg ggtcttgtac acaccgcccg	1380
tcacaccatg agagccggta acacccgaag cccgtgaggt aaccgtaagg agccagcggg	1440
cgaaggtggg attggtgatt ggggtgaagt cgtaacaagg tagccgtagg agaacctgcg	1500
gttggatcac ctcctt	1516

<210> 48
 <211> 1516
 <212> DNA
 <213> Clostridium botulinum

<220>
 <221> misc_feature
 <222> (1)..(7)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (373)..(373)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (789)..(790)
 <223> n is a, c, g, or t

<400> 48	
nnnnnnngag agtttgatcc tggctcagga cgaacgctgg cggcgtgcct aacacatgca	60
agtcgagcga tgaagcttcc ttcgggaagt ggattagcgg cggacgggtg agtaacacgt	120
gggtaacctg cctcaaagag tgggatatgcc tcccgaagg gagattaata ccgcataaca	180
ttattttatg gcatcataca taaaataatc aaaggagcaa tccgctttga gatggacccg	240
cggcgcatta gctagttagt gaggtaacgg ctaccaagg caacgatgcg tagccgacct	300
gagagggtga tcggccacat tggaactgag acacggtcca gactcctacg ggaggcagca	360
gtggggaata ttncgcaatg ggggaaaccc tgacgcagca acgccgctg agtgatgaag	420
gttttcggat cgtaaaactc tgtcttttagg gacgataatg acggtacctt aggaggaagc	480

cacggctaac tacgtgccag cagccgcggt aatacgtagg tggcaagcgt tgtccggatt	540
tactgggcgt aaagagtatg taggtgggtg cttaagtcag atgtgaaatt cccgggctca	600
acctgggagc tgcatttgaa actgggcatc tagagtgcag gagaggaaag tggaattcct	660
agtgtagcgg tgaaatgcgt agagattagg aagaacacca gtggcgaagg cgactctctg	720
gactgtaact gacactgaga tacgaaagcg tgggtagcaa acaggattag ataccttggt	780
agtccacgnn gtaaacgatg aatactaggt gtcgggggggt accaccctcg gtgccgcagc	840
aaacgcatta agtattccgc ctgggaagta cggtcgcaag attaaaactc aaaggaattg	900
acggggccccg cacaagcagc ggagcatgtg gtttaattcg aagcaacgcg aagaacctta	960
cctagacttg acatctcctg aattactctt aatcgaggaa gtcccttcgg ggacaggaag	1020
acaggtgggtg catggttgtc gtcagctcgt gtcgtgagat gttgggttaa gtcccgcaac	1080
gagcgcaacc cttattgtta gttgctacta ttaagttaag cactctaacg agactgccgc	1140
ggttaacgtg gaggaagggt gggatgacgt caaatcatca tgcccccttat gtctagggt	1200
acacacgtgc tacaatggct ggtacaacga gcagcaaacc cgcgaggggg agcaaaaactt	1260
gaaagccagt cccagttcgg attgtaggct gaaactcgcc tacatgaagt tggagttgct	1320
agtaatcgcg aatcagcatg tcgcggtgaa tacgttcccg ggtcttgtag acaccgccc	1380
tcacaccatg agagccggtg acacccgaag cccgtgaggt aaccgtaagg agccagcgg	1440
cgaagggtggg attgggtgatt ggggtaagtc gtaacaaggt agccgtagga gaacctgcgg	1500
ctggatcacc tccttt	1516

<210> 49
 <211> 1513
 <212> DNA
 <213> Clostridium botulinum

<220>
 <221> misc_feature
 <222> (1)..(7)
 <223> n is a, c, g, or t

<400> 49

nnnnnnnaga gtttgatcct ggctcaggac gaacgctggc ggcgtgccta acacatgcaa	60
tcgagcgatg aagcttcctt cgggaagtgg attagcggcg gacgggtgag taacacgtgg	120
gtaacctgcc tcatagaggg gaatagcctc ccgaaaggga gattaatacc gcataaagta	180
tgaaggctgc atgacttcat tataccaaag gagtaatccg ctatgagatg gacccgcggc	240
gcattagcta gttggtgagg taagggtca ccaaggcaac gatgcgtagc cgacctgaga	300
gggtgatcgg ccacattgga actgagacac ggtccagact cctacgggag gcagcagtgg	360
ggaatattgc gcaatggggg aaaccctgac gcagcaacgc cgcgtgaatg aagaaggcct	420
tagggttgta aagttctgtc atatgggaag ataatgacgg taccatatga ggaagccacg	480
gctaactacg tgccagcagc cgcggttaata cgtaggtggc aagcgttgtc cggatttact	540
gggcgtaaag gatgcgtagg cggacattta agtcagatgt gaaataacccg ggctcaactt	600
gggtgctgca ttgaaactg ggtgtctaga gtgcaggaga ggaaagcgga attcctagtg	660
tagcggtgaa atgcgtagag attaggaaga acaccagtgg cgaaggcggc tttctggact	720
gtaactgacg ctgaggcatg aaagcgtggg gagcaaacag gattagatac cctggtagtc	780
cacgccgtaa acgatgaata ctaggtgtag gaggtatcga ccccttctgt gccgcagtta	840
acacaataag tattccgcct ggggagtacg atcgcaagat taaaactcaa aggaattgac	900
gggggcccgc acaagcagcg gagcatgtgg tttaattcga agcaacgcga agaaccctac	960
ctagacttga catcccctga attacctgta atgagggaag cccttcgggg caggagagaca	1020
ggtggtgcat ggttgtcgtc agctcgtgtc gtgagatgtt gggttaagtc ccgcaacgag	1080
cgcaaccctt atcattagtt gctaccatta agttgagcac tctagtgaga ctgcccgggt	1140
taaccgggag gaagggtggg atgacgtcaa atcatcatgc cccttatgtc tagggctaca	1200
cacgtgctac aatggttggg acaacaagat gcaagaccgc gaggtggagc taaacttaaa	1260
aaaccaaccc agttcggatt gtaggctgaa actcgcctac atgaagccgg agttgctagt	1320
aatcggaat cagcatgtcg cggtgaatac gttcccgggc cttgtacaca ccgcccgtca	1380
caccatgaga gctggttaaca cccgaagtcc gtgaggtaac cgtaaggagc cagcggccga	1440
aggtgggatt agtgattggg gtgaagtcgt aacaaggtag ccgtaggaga acctgcggtt	1500

ggatcacctc ctt

1513

<210> 50

<211> 1521

<212> DNA

<213> Francisella tularensis

<400> 50

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gaacggtaac aggtcttagg atgctgacga gtggcggacg ggtgagtaac gcgtaggaat	120
ctgccccattt gaggggggata ccagttggaa acgactgtta ataccgcata atatctgttg	180
attaaagggtg gctttcggcg tgtcgcagat ggatgagcct gcgttggatt agctagttgg	240
tggggtaagg gcccaccaag gctacgatcc atagctgatt tgagaggatg atcagccaca	300
ttgggactga gacacggccc aaactcctac gggaggcagc agtggggaat attggacaat	360
gggggcaacc ctgatccagc aatgccatgt gtgtgaagaa ggccctaggg ttgtaaagca	420
ctttagttagg ggaggaaaagc ctcaagggtta atagccttgg gggaggacgt tacccaaaga	480
ataagcaccg gctaactccg tgccagcagc cgcggttaata cgggggggtgc aagcgtaat	540
cggaattact gggcgtaaag ggtctgtagg tggtttgtta agtcagatgt gaaagcccag	600
ggctcaacct tggaactgca tttgatactg gcaaactaga gtacggtaga ggaatgggga	660
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attctggacc gatactgaca ctgaggggacg aaagcgtggg gatcaaacag gattagatac	780
cctggtagtc cacgctgtaa acgatgagta ctagctgttg gagtcggtgt aaaggctcta	840
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aaaggaattg acgggggaccc gcacaagcgg tggagcatgt ggtttaattc gatgcaacgc	960
gaagaacctt acctggtcctt gacatcctgc gaactttcta gagatagatt ggtgcttcgg	1020
aacgcagtga cagtgtgca cggctgtcgt cagctcgtgt tgtgaaatgt tgggttaagt	1080
cccgaacga gcgcaacccc tattgatagt taccatcatt aagttgggta ctctattaag	1140
actgccgctg acaaggcggg ggaagggtggg gacgacgtca agtcatcatg gcccttacga	1200
ccagggttac acacgtgcta caatgggtat tacagagggc tgcgaagggtg cgagctggag	1260

cgaaactcaa aaaggtactc ttagtccgga ttgcagtctg caactcgact gcatgaagtc	1320
ggaatcgcta gtaatcgag gtcagaatac tgcggtgaat acgttcccgg gtcttgtaca	1380
caccgcccgt cacaccatgg gagtgggttg ctccagaagt agatagctta acgaatgggc	1440
gtttaccacg gagtgattca tgactggggg gaagtcgtaa caatggtagc cgtaggggaac	1500
ctgcggctgg atcacctcct t	1521

<210> 51
 <211> 1464
 <212> DNA
 <213> *Vibrio cholerae*

<400> 51	
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tagaggggga taaccattgg aaacgatggc taataccgca taacctcgt agagcaaagc	180
aggggacctt cgggccttgc gctaccggat atgcccaggt gggattagct agttggtgag	240
gtaagggctc accaaggcga cgatccctag ctggtctgag aggatgatca gccacactgg	300
aactgagaca cgggtccagac tcctacggga ggcagcagtg gggaatattg cacaatgggc	360
gcaagcctga tgcagccatg ccgcgtgtat gaagaaggcc ttcgggttgt aaagtacttt	420
cagtagggag gaaggtgggt aagctaatac cttaatcatt tgacgttacc tacagaagaa	480
gcaccggcta actccgtgcc agcagccgcg gtaatacgga gggtgcaagc gttaatcgga	540
attactgggc gtaaagcgca tgcaggtggt ttgttaagtc agatgtgaaa gccctgggct	600
caacctagga atcgcatthg aaactgacaa gctagagtac thtagagggg ggtagaattt	660
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gtagtccacg ccgtaaacga tgtctacttg gaggttgtga cctagagtcg tggctttcgg	840
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cttacctact cttgacatcc tcagaagaga ctggagacag tcttgtgcct tcgggaactg	1020
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