

SEQUENCE LISTING

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RICHES, DAVID RODERICK

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<150> 61/026,319

<151> 2008-02-05

<150> 11/448,462

<151> 2006-06-06

<150> 60/717,964

<151> 2005-09-16

<150> 60/688,042

<151> 2005-06-06

<150> 60/771,818

<151> 2006-02-08

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<170> PatentIn version 3.5

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tcctgcgtg tcccatctgt tcctccctg tctcag 96

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oligonucleotide

<400> 2

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38

<210> 3

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 3

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37

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<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 4

atagggcggc cgcccatctc atccctgcgt gtcccat

37

<210> 5

<211> 38

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 5

catccctgcg tgtcccatct gttccctccc tgtctcag

38

<210> 6

<211> 108

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 6
gttcactga gacacgcaac aggggatagg caaggcacac aggggatagg gcggccgccc 60
atctcatccc tgcgtgtccc atctgttccc tccctgtctc agtccgac 108

<210> 7
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<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 7
ctgagcgggc tggcaaggcg gccgcctccc tcgcgccatc ag 42

<210> 8
<211> 54
<212> DNA
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oligonucleotide

<400> 8
gttcactga gcgggctggc aaggcggccg cctccctcgc gccatcagtc cgac 54

<210> 9
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<222> (51)..(56)
<223> a, c, t, g, unknown or other

<400> 9
nnnnnnngaatt tcctagtacg acaccagtcg atcggatcac atcgaagctt nnnnnn 56

<210> 10
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oligonucleotide

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<223> a, c, t, g, unknown or other

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<223> a, c, t, g, unknown or other

<400> 10
nnnnnnaagc ttcatgtga tccgatcgac tgggtgctga ctaggaattc nnnnnn 56

<210> 11
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oligonucleotide

<400> 11
aattcctagt acgacaccag tcgatcggat cacatcga 38

<210> 12
<211> 38
<212> DNA
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oligonucleotide

<400> 12
agcttcgatg tgatccgatc gactggtgtc gtactagg 38

<210> 13
<211> 33
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oligonucleotide

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<222> (17)..(17)
<223> a, c, t, g, unknown or other

<400> 13
ataacttcgt atacctnagc tatacgaagt tat 33

<210> 14
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oligonucleotide

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<222> (21)..(21)
<223> a, c, t, g, unknown or other

<400> 14
aattataact tcgtatagct naggtatacg aagttat 37

<210> 15
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oligonucleotide

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<222> (21)..(21)
<223> a, c, t, g, unknown or other

<400> 15
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<210> 16
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oligonucleotide

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<223> a, c, t, g, unknown or other

<400> 16
ataacttcgt atacctnagc tatacgaagt tat 33

<210> 17
<211> 108
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<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
polynucleotide

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<222> (92)..(92)
<223> a, c, t, g, unknown or other

<400> 17
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gatcacatcg aagctataac ttcgtatagc tnaggtatac gaagttat 108

<210> 18
<211> 108
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<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

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<221> modified_base

<222> (17)..(17)

<223> a, c, t, g, unknown or other

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<221> modified_base

<222> (92)..(92)

<223> a, c, t, g, unknown or other

<400> 18

ataacttcgt atacctnagc tatacgaagt tatagcttcg atgtgatccg atcgactggt 60

gtcgtactag gaattataac ttcgtatagc tnaggtatac gaagttat 108

<210> 19

<211> 56

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<220>

<221> modified_base

<222> (1)..(6)

<223> a, c, t, g, unknown or other

<220>

<221> modified_base

<222> (51)..(56)

<223> a, c, t, g, unknown or other

<400> 19

nnnnnngaatt tcctagtagc acaccagtcg atcggatcac atcggaattc nnnnnn 56

<210> 20

<211> 56

<212> DNA

<213> Artificial Sequence

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<400> 20
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<210> 21
<211> 38
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<220>
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oligonucleotide

<400> 21
aattcctagt acgacaccag tcgatcggat cacatcgg 38

<210> 22
<211> 38
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 22
aattccgatg tgatccgatc gactggtgtc gtactagg 38

<210> 23
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<220>
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<222> (17)..(17)

<223> a, c, t, g, unknown or other

<400> 23

ataacttcgt atacctnagc tatacgaagt tat

33

<210> 24

<211> 37

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<220>

<221> modified_base

<222> (21)..(21)

<223> a, c, t, g, unknown or other

<400> 24

aattataact tcgtatagct naggtatacg aagttat

37

<210> 25

<211> 108

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
polynucleotide

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<221> modified_base

<222> (17)..(17)

<223> a, c, t, g, unknown or other

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<221> modified_base

<222> (92)..(92)

<223> a, c, t, g, unknown or other

<400> 25

ataacttcgt atacctnagc tatacgaagt tataattcct agtacgacac cagtcgatcg

60

gatcacatcg gaattataac ttcgtatagc tnaggtatac gaagttat

108

<210> 26

<211> 108

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic polynucleotide

<220>

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<222> (17)..(17)

<223> a, c, t, g, unknown or other

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<221> modified_base

<222> (92)..(92)

<223> a, c, t, g, unknown or other

<400> 26

ataacttcgt atacctnagc tatacgaagt tataattccg atgtgatccg atcgactggg 60

gtcgtactag gaattataac ttcgtatagc tnaggtatac gaagttat 108

<210> 27

<211> 68

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 27

gttggaaccg aaagggtttg aattccgggt ttttaaaaac ccggaattca aaccctttcg 60

gttccaac 68

<210> 28

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 28

aattcaaacc ctttcggttc caac 24

<210> 29

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 29

gttggaaccg aaagggtttg

20

<210> 30

<211> 68

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<220>

<221> modified_base

<222> (23)..(23)

<223> Deoxyinosine

<220>

<221> modified_base

<222> (47)..(47)

<223> Deoxyinosine

<400> 30

gttggaaccg aaagggttta acnttcgggt ttttaaaaac ccgaacntta aaccctttcg

60

gttccaac

68

<210> 31

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 31

aaaccctttc ggttccaac

19

<210> 32

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<220>

<221> modified_base

<222> (23)..(23)

<223> Deoxyinosine

<400> 32

g tt g ga acc g aa ag g gt t ta ac nt t

25

<210> 33

<211> 68

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<220>

<221> modified_base

<222> (23)..(23)

<223> Deoxyinosine

<220>

<221> modified_base

<222> (47)..(47)

<223> Deoxyinosine

<400> 33

g tt g ga acc g aa ag g gt t t g c nt t c g g g t t t t t a a a a a c c c g a a c n c c a a a c c c t t t c g

60

g t t c c a a c

68

<210> 34

<211> 19

<212> DNA

<213> Artificial Sequence

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oligonucleotide

<400> 34

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19

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

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oligonucleotide

<220>
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<222> (23)..(23)
<223> Deoxyinosine

<400> 35
g tt g ga acc g aa ag g g t t t g gc nt t 25

<210> 36
<211> 68
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<220>
<221> modified_base
<222> (15)..(15)
<223> Deoxyinosine

<220>
<221> modified_base
<222> (43)..(43)
<223> Deoxyinosine

<400> 36
g tt g ga acc g aa ag n g t t t c ga at t c g g g t t t t a a a a c c c na at t c ga a acc c t t t c g 60
g t t c ca ac 68

<210> 37
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 37
ttcgaacccc tttcggttcc aac 23

<210> 38
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<220>
<221> modified_base
<222> (15)..(15)
<223> Deoxyinosine

<400> 38
gttggaaccg aaagngt 17

<210> 39
<211> 68
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<220>
<221> modified_base
<222> (15)..(15)
<223> Deoxyinosine

<220>
<221> modified_base
<222> (43)..(43)
<223> Deoxyinosine

<400> 39
gttggaaccg aaagngtttc gttttcgggt ttttaaaaac ccnaaaacga aaccctttcg 60

gttccaac 68

<210> 40
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 40
aacgaaaccc tttcggttcc aac 23

<210> 41
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<220>
<221> modified_base
<222> (15)..(15)
<223> Deoxyinosine

<400> 41
gttgaaccg aaagngt 17

<210> 42
<211> 68
<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
oligonucleotide

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<221> modified_base
<222> (21)..(21)
<223> Deoxyinosine

<220>
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<222> (43)..(43)
<223> Deoxyinosine

<400> 42
gttgaaccg aaagggttta naattcgggt ttttaaaaac ccnaattcta aaccctttcg 60
gttccaac 68

<210> 43

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

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 43
ttctaaaccc tttcggttcc aac

23

<210> 44
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<220>
<221> modified_base
<222> (21)..(21)
<223> Deoxyinosine

<400> 44
gttgaaccg aaagggttta naa

23

<210> 45
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<220>
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<222> (20)..(21)
<223> a, c, t, g, unknown or other

<400> 45
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21

<210> 46
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 46
ctgatggcgc gaggg 15

<210> 47
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<220>
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<222> (20)..(21)
<223> a, c, t, g, unknown or other

<400> 47
gccttgccag cccgctcagn n 21

<210> 48
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 48
ctgagcgggc tggca 15

<210> 49
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 49
gcctccctcg cgcca 15

<210> 50
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 50
gccttgccag cccgc 15

<210> 51
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

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<222> (20)..(21)
<223> a, c, t, g, unknown or other

<400> 51
ccgcccagca tcgcctcagn n 21

<210> 52
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
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oligonucleotide

<400> 52
ctgaggcgat gctgg 15

<210> 53
<211> 21
<212> DNA
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<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<220>
<221> modified_base
<222> (20)..(21)
<223> a, c, t, g, unknown or other

<400> 53
ccgcccgagc accgctcagn n 21

<210> 54
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 54
ctgagcggtg ctcgg 15

<210> 55
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic primer

<400> 55
ccgcccagca tcgcc 15

<210> 56
<211> 15
<212> DNA
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<220>
<223> Description of Artificial Sequence: Synthetic primer

<400> 56
ccgcccgagc accgc 15

<210> 57
<211> 40
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

oligonucleotide

<400> 57
cgataacttc gtataatgta tgctatacga agttatttcg 40

<210> 58
<211> 43
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 58
cgaaataact tcgtatagca tacattatac gaagttatcg acc 43

<210> 59
<211> 41
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 59
ttataacttc gtataatgta tgctatacga agttatgcac c 41

<210> 60
<211> 38
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 60
cgataacttc gtatagcata cattatacga agttataa 38

<210> 61
<211> 40
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 61
ttataacttc gtataatgta tgctatacga agttatttcg 40

<210> 62
<211> 40
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 62
cgaaataact tcgtatagca tacattatac gaagttataa 40