

CLFK_001_02WO_ST25.TXT
SEQUENCE LISTING

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Armour, Christopher D.
Lim, Lee P.

<120> METHODS FOR TARGETED GENOMIC ANALYSIS

<130> CLFK-001-02WO

<150> US 61/794,049
<151> 2013-03-15

<150> US 61/735,417
<151> 2012-12-10

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<170> PatentIn version 3.5

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ctgtgcaaga tgtctggtag gggccccctt tgcttccctg gtggccactg gatttgtttt 180
ctttggggtg gcactgttct gtggctgtgg acatgaagcc ctactggca cagaaaagct 240
aattgagacc tatttctcca aaaactacca agactatgag tatctcatca atgtgtaagt 300
acctgccctc ccacacagac ccattctttt tttccctctc tccatcctgg agatagagaa 360
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<210> 102
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 <212> DNA
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 ggagcctcca gcgtagtagg tatggagaag ccaagggagg 100

<210> 103
 <211> 81
 <212> DNA
 <213> Homo sapiens

<400> 103
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 ttgtggcaat aacaaggggt g 81

<210> 104
 <211> 96
 <212> DNA
 <213> Homo sapiens

<400> 104
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 ccatctgtat cattcaatta tgccactgtt gatccc 96

<210> 105
 <211> 34
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> 34 nt binding site of universal oligonucleotide

<220>
 <221> modified_base
 <222> (34)..(34)
 <223> dideoxycytosine

<220>
 <221> misc_feature
 <222> (34)..(34)
 <223> n is a, c, g, or t

<400> 105
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<210> 106
 <211> 34
 <212> DNA
 <213> Artificial Sequence

<220>
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<220>
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<223> dideoxycytosine

<220>

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

<400> 106

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<210> 107

<211> 400

<212> DNA

<213> Homo sapiens

<400> 107

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ctgtgcaaga tgtctggtag gggccccctt tgcttccctg gtggccactg gattgtgttt 180

ctttggggtg gcactgttct gtggctgtgg acatgaagcc ctactggca cagaaaagct 240

aattgagacc tatttctcca aaaactacca agactatgag tatctcatca atgtgtaagt 300

acctgccctc ccacacagac ccattctttt tttccctctc tccatcctgg agatagagaa 360

ctcttcagta ccttagtaac tagcagggga ctggggtgga 400

<210> 108

<211> 114

<212> DNA

<213> Artificial Sequence

<220>

<223> Ultramer targeted to PLP1 exon 2

<400> 108

gagttgatcc tggttttcac tttgagtggc atgagctacc tactggatgt gcctgactgt 60

ttcccccttct tcttccccag ggtattgctg agtgaggtac tacatagtcc agtg 114

<210> 109

<211> 114

<212> DNA

<213> Artificial Sequence

<220>

<223> Ultramer targeted to PLP1 exon 2

<400> 109

gagttgatcc tggttttcac atgtctggta ggggccccct ttgcttccct ggtggccact 60

ggattgtgtt tctttggggt ggtattgctg agtgaggtac tacatagtcc agtg 114

<210> 110

<211> 114

<212> DNA

<213> Artificial Sequence

<220>

<223> Ultramer targeted to PLP1 exon 2

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<210> 111
<211> 114
<212> DNA
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<220>
<223> Ultramer targeted to PLP1 exon 2

<400> 111
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<210> 112
<211> 114
<212> DNA
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<220>
<223> Ultramer targeted to PLP1 exon 2

<400> 112
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<210> 113
<211> 114
<212> DNA
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<220>
<223> Ultramer targeted to PLP1 exon 2

<400> 113
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<210> 114
<211> 114
<212> DNA
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<220>
<223> Ultramer targeted to PLP1 exon 2

<400> 114
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<210> 115
<211> 114
<212> DNA
<213> Artificial Sequence

<220>

<223> Ultramer targeted to PLP1 exon 2

<400> 115
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<210> 116
<211> 400
<212> DNA
<213> Homo sapiens

<400> 116
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ctgtgcaaga tgtctggtag gggccccctt tgcttccctg gtggccactg gattgtgttt 180
ctttggggtg gcactgttct gtggctgtgg acatgaagcc ctactggca cagaaaagct 240
aattgagacc tatttctcca aaaactacca agactatgag tatctcatca atgtgtaagt 300
acctgccctc ccacacagac ccatcttttt tttccctctc tccatcctgg agatagagaa 360
ctcttcagta ccttagtaac tagcagggga ctggggtgga 400

<210> 117
<211> 400
<212> DNA
<213> Homo sapiens

<400> 117
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ctgtgcaaga tgtctggtag gggccccctt tgcttccctg gtggccactg gattgtgttt 180
ctttggggtg gcactgttct gtggctgtgg acatgaagcc ctactggca cagaaaagct 240
aattgagacc tatttctcca aaaactacca agactatgag tatctcatca atgtgtaagt 300
acctgccctc ccacacagac ccatcttttt tttccctctc tccatcctgg agatagagaa 360
ctcttcagta ccttagtaac tagcagggga ctggggtgga 400

<210> 118
<211> 400
<212> DNA
<213> Homo sapiens

<400> 118
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ctgtgcaaga tgtctggtag gggccccctt tgcttccctg gtggccactg gattgtgttt 180
ctttggggtg gcactgttct gtggctgtgg acatgaagcc ctactggca cagaaaagct 240
aattgagacc tatttctcca aaaactacca agactatgag tatctcatca atgtgtaagt 300
acctgccctc ccacacagac ccatcttttt tttccctctc tccatcctgg agatagagaa 360

ctcttcagta ccttagtaac tagcagggga ctggggtgga 400

<210> 119
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 <212> DNA
 <213> Homo sapiens

<400> 119
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 ctgtgcaaga tgtctggtag gggccccctt tgcttccttg gtggccactg gattgtgttt 180
 ctttggggtg gcactgttct gtggctgtgg acatgaagcc ctactggca cagaaaagct 240
 aattgagacc tatttctcca aaaactacca agactatgag tatctcatca atgtgtaagt 300
 acctgccctc ccacacagac ccatcttttt tttccctctc tccatcctgg agatagagaa 360
 ctcttcagta ccttagtaac tagcagggga ctggggtgga 400

<210> 120
 <211> 400
 <212> DNA
 <213> Homo sapiens

<400> 120
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 ctgtgcaaga tgtctggtag gggccccctt tgcttccttg gtggccactg gattgtgttt 180
 ctttggggtg gcactgttct gtggctgtgg acatgaagcc ctactggca cagaaaagct 240
 aattgagacc tatttctcca aaaactacca agactatgag tatctcatca atgtgtaagt 300
 acctgccctc ccacacagac ccatcttttt tttccctctc tccatcctgg agatagagaa 360
 ctcttcagta ccttagtaac tagcagggga ctggggtgga 400

<210> 121
 <211> 400
 <212> DNA
 <213> Homo sapiens

<400> 121
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 ctgtgcaaga tgtctggtag gggccccctt tgcttccttg gtggccactg gattgtgttt 180
 ctttggggtg gcactgttct gtggctgtgg acatgaagcc ctactggca cagaaaagct 240
 aattgagacc tatttctcca aaaactacca agactatgag tatctcatca atgtgtaagt 300
 acctgccctc ccacacagac ccatcttttt tttccctctc tccatcctgg agatagagaa 360
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<212> DNA
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 <223> Primer
 <400> 122
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<210> 123
 <211> 22
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Primer
 <400> 123
 agtgctccat ggctgctcag tt 22

<210> 124
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 <223> Primer
 <400> 124
 gaaccagagg aacgctgtgg taact 25

<210> 125
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 <223> Primer
 <400> 125
 gacgtgtgcc tagatgcgtt ttc 23

<210> 126
 <211> 25
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 <223> Primer
 <400> 126
 tggctgaaaa gtctccttga aactg 25

<210> 127
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 <400> 127
 ctcaagtgggt ctccttgaga gaggt 25

<210> 128
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<220>
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<400> 128
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<210> 129
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<220>
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<400> 129
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<210> 130
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<220>
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<400> 130
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<210> 131
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<220>
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<400> 131
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<400> 132
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<210> 133
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 <210> 135
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 <210> 137
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 <210> 138
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 <210> 139
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<212> DNA
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<210> 140
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 <400> 140
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<210> 141
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 <223> Primer
 <400> 141
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<210> 142
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 <400> 142
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<210> 143
 <211> 25
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 <223> Primer
 <400> 143
 gctggtagaa gttctcctcc tcgtc 25

<210> 144
 <211> 23
 <212> DNA
 <213> Artificial Sequence
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 <223> Primer
 <400> 144
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<210> 145
 <211> 24
 <212> DNA
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<220>
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<400> 145
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<210> 146
 <211> 60
 <212> DNA
 <213> Homo sapiens

<400> 146
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<210> 147
 <211> 60
 <212> DNA
 <213> Homo sapiens

<400> 147
 taaatgacat aacagttatg attttgcaga aaacagatct gtattttattt cagtgttact 60

<210> 148
 <211> 60
 <212> DNA
 <213> Homo sapiens

<400> 148
 aggtttccgc accaagaccc cttaactca agactgcctc ccgctttgtg tgccccgctc 60

<210> 149
 <211> 60
 <212> DNA
 <213> Homo sapiens

<400> 149
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<210> 150
 <211> 95
 <212> DNA
 <213> Homo sapiens

<400> 150
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 gcaggaggtg gcaggtaccc cagactggga ggtaa 95

<210> 151
 <211> 95
 <212> DNA
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<400> 151
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agtctgttca cacatggctg ctgcctctca gctct 95

<210> 152
 <211> 95
 <212> DNA
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<400> 152
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 cgatatctcc acttccagtt ttacatttac catca 95

<210> 153
 <211> 95
 <212> DNA
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 tcatttgtca aggccttcag ttggcagacg tgctc 95

<210> 154
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 <212> DNA
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<210> 155
 <211> 95
 <212> DNA
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<400> 155
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 atcttggact ctaccctcgc tactttatct cctat 95

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 <212> DNA
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<400> 156
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 <212> DNA
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<400> 157
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 aacccaacca gccaaagcagg cagggctgcg aagga 95

<210> 158
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 <212> DNA
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 <212> DNA
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<210> 160
 <211> 95
 <212> DNA
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<210> 161
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<210> 162
 <211> 95
 <212> DNA
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<400> 162
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<210> 163
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 <212> DNA
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<400> 163
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 aagattccct ggtctcgttt gtctacctgt taatg 95

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 <212> DNA
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<400> 165
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<210> 166
 <211> 95
 <212> DNA
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<400> 166
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 <212> DNA
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<400> 167
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<210> 168
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 <212> DNA
 <213> Homo sapiens

<400> 168
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 gcctcgctat tagagaaagg gggatttcta cgggg 95

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 <212> DNA
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 <212> DNA
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<400> 177
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 gcagaaaaca gatctgtatt tttttcagtg ttact 95

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 <211> 95
 <212> DNA
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<210> 180
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 <212> DNA
 <213> Homo sapiens

<400> 180
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<210> 181
 <211> 95
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 tggcagtat 69

<210> 655
 <211> 60
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 <220>
 <223> oligonucleotide probe

 <400> 655
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<210> 656
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 <220>
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<210> 657
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 <212> DNA
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 <220>
 <223> oligonucleotide probe

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<210> 658
 <211> 60
 <212> DNA
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 <220>
 <223> oligonucleotide probe

 <400> 658
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<210> 659
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 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> oligonucleotide probe

 <400> 659
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<210> 660
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 <220>
 <223> oligonucleotide probe

<400> 660
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<210> 661
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer

<400> 661
aatgatacgg cgaccaccga gatctacacg tcatgcagga ccagagaatt cgaataca 58

<210> 662
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<212> DNA
<213> Artificial Sequence

<220>
<223> Primer

<400> 662
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<210> 663
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<212> DNA
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<220>
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<222> (20)..(20)
<223> dideoxycytosine

<220>
<221> misc_feature
<222> (20)..(20)
<223> n is a, c, g, or t

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<210> 664
<211> 31
<212> DNA
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<220>
<223> Adaptor ligation strand oligonucleotide

<400> 664
gtgtataacc aggatcaact cccgtgccag t 31

<210> 665
<211> 33
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<220>
 <223> Index 1 sequencing primer
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<210> 666
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 <220>
 <223> Library-free Forward sequencing primer
 <400> 666
 gtcatgcagg agttgaccc ggttatacac 30

<210> 667
 <211> 25
 <212> DNA
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 <220>
 <223> Post-processing amplification primer
 <400> 667
 actggcacgg gagttgatcc tgggtt 25

<210> 668
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 <223> Library-free forward amplification primer
 <400> 668
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<210> 669
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 ttcac 65

<210> 670
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ttcac 65

<210> 671
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<220>
 <223> Index N703 reverse primer

<400> 671
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 ttcac 65

<210> 672
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<220>
 <223> Index N704 reverse primer

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 ttcac 65

<210> 673
 <211> 101
 <212> DNA
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<220>
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<220>
 <221> modified_base
 <222> (36)..(41)
 <223> n = any nucleotide

<220>
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 <222> (36)..(41)
 <223> n is a, c, g, or t

<400> 673
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 tgctgagcag gaggtggcag gtaccccaga ctgggaggta a 101

<210> 674
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 <212> DNA
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<220>
 <223> oligonucleotide probe

<220>
 <221> misc_feature

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<222> (36)..(41)
<223> n is a, c, g, or t

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aggcccagtc tgttcacaca tggctgctgc ctctcagctc t                             101

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<211> 101
<212> DNA
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<220>
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<222> (36)..(41)
<223> n is a, c, g, or t

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agttctcgat atctccactt ccagttttac atttaccatc a                             101

<210> 676
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<220>
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<220>
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<222> (36)..(41)
<223> n is a, c, g, or t

<400> 676
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agaaagtcac ttgtcaaggc cttcagttgg cagacgtgct c                             101

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<211> 101
<212> DNA
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<220>
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<220>
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<222> (36)..(41)
<223> n is a, c, g, or t

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aaatctgtgg aaacgctgcc acacaatctt agcacacaag a                             101

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<210> 678
 <211> 101
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<220>
 <223> oligonucleotide probe

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 gttgacatct tggactctac ccctcgtagt ttatctccta t 101

<210> 679
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<220>
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<220>
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 <222> (36)..(41)
 <223> n is a, c, g, or t

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 gaatccctag tggatttggg attctagagg aggtgttata a 101

<210> 680
 <211> 101
 <212> DNA
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<220>
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<220>
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 <222> (36)..(41)
 <223> n is a, c, g, or t

<400> 680
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<210> 681
 <211> 101
 <212> DNA
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<220>
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<220>
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<222> (36)..(41)
<223> n is a, c, g, or t

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agtaatgtga ttttgtaaca tccactgctg catttgtttg c                             101

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<211> 101
<212> DNA
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<220>
<223> oligonucleotide probe

<220>
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<222> (36)..(41)
<223> n is a, c, g, or t

<400> 682
atgtgactgg cacgggagtt gatcctgggtt ttcacnnnnn nttacttccc tccagttttg      60
ttgcttgcaa aacaacagaa tcttctctcc atgaaatcat g                             101

<210> 683
<211> 101
<212> DNA
<213> Artificial Sequence

<220>
<223> oligonucleotide probe

<220>
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<222> (36)..(41)
<223> n is a, c, g, or t

<400> 683
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cattttctca caaaggaaac caagataaaa ggttttaaag g                             101

<210> 684
<211> 101
<212> DNA
<213> Artificial Sequence

<220>
<223> oligonucleotide probe

<220>
<221> misc_feature
<222> (36)..(41)
<223> n is a, c, g, or t

<400> 684

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atgtgactgg cacgggagtt gatcctgggtt ttcacnnnnn ngaaattctc ttgtgaattc 60
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<210> 685
 <211> 101
 <212> DNA
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<220>
 <223> oligonucleotide probe

<220>
 <221> misc_feature
 <222> (36)..(41)
 <223> n is a, c, g, or t

<400> 685
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 tacctactgg atgtgcctga ctgtttcccc ttcttcttcc c 101

<210> 686
 <211> 101
 <212> DNA
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<220>
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<220>
 <221> misc_feature
 <222> (36)..(41)
 <223> n is a, c, g, or t

<400> 686
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 agggaaaaaa aagatgggtc tgtgtgggag ggcagggtact t 101

<210> 687
 <211> 101
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<220>
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<220>
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 <222> (36)..(41)
 <223> n is a, c, g, or t

<400> 687
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 attaataaga ttccctgggtc tcgtttgtct acctgttaat g 101

<210> 688
 <211> 101
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<213> Artificial Sequence

<220>

<223> oligonucleotide probe

<220>

<221> misc_feature

<222> (36)..(41)

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

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ccccacccc ttgttattgc cacaaaatcc tgaggatgat c 101

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<211> 101

<212> DNA

<213> Artificial Sequence

<220>

<223> oligonucleotide probe

<220>

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<222> (36)..(41)

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

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gggccctcct gctggctgag ggcttctaca ccaccggcgc a 101

<210> 690

<211> 101

<212> DNA

<213> Artificial Sequence

<220>

<223> oligonucleotide probe

<220>

<221> misc_feature

<222> (36)..(41)

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

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caggctgatg ctgatttcta accaccccat gtcaatcatt t 101

<210> 691

<211> 101

<212> DNA

<213> Artificial Sequence

<220>

<223> oligonucleotide probe

<220>

<221> misc_feature

<222> (36)..(41)
 <223> n is a, c, g, or t

 <400> 691
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 <210> 692
 <211> 101
 <212> DNA
 <213> Artificial Sequence

 <220>
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 <220>
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 <222> (36)..(41)
 <223> n is a, c, g, or t

 <400> 692
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 aactccataa agcttaccct gcttgctttt tgtgtcttac t 101

 <210> 693
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 <223> n is a, c, g, or t

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 ggtattagct actcccttgt aaaataaccc aaataaccca c 101

 <210> 694
 <211> 101
 <212> DNA
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 <220>
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 <220>
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 <222> (36)..(41)
 <223> n is a, c, g, or t

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 ctgctgttgc aagaaacagt tcttcctctt tcattttcct g 101

<210> 695
 <211> 101
 <212> DNA
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<220>
 <223> oligonucleotide probe

<220>
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 <222> (36)..(41)
 <223> n is a, c, g, or t

<400> 695
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 ctcaggccta tttacttgcc aagatcattc aaagtcaact c 101

<210> 696
 <211> 101
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<220>
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<220>
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 <222> (36)..(41)
 <223> n is a, c, g, or t

<400> 696
 atgtgactgg cacgggagtt gatcctggtt ttcacnnnnn ngatttgagg agggagtgct 60
 ttcttttcta ctctcattca cattctctct tctgttcct a 101

<210> 697
 <211> 101
 <212> DNA
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<220>
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<220>
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 <222> (36)..(41)
 <223> n is a, c, g, or t

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<210> 698
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 <212> DNA
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<220>
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<220>
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 <222> (36)..(41)
 <223> n is a, c, g, or t

<400> 698
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 ctgctttctg ccaaaattaa tgtgctgaac ttaaacttac c 101

<210> 699
 <211> 101
 <212> DNA
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<220>
 <223> oligonucleotide probe

<220>
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 <222> (36)..(41)
 <223> n is a, c, g, or t

<400> 699
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 accaatgcaa cagactttaa agaagttgtg ttttacaatg c 101

<210> 700
 <211> 101
 <212> DNA
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<220>
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<220>
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 <222> (36)..(41)
 <223> n is a, c, g, or t

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 atgtgactgg cacgggagtt gacacctggtt ttcacnnnnn ntaaagaca taacagttat 60
 gattttgcag aaaacagatc tgtatttatt tcagtgttac t 101

<210> 701
 <211> 101
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<220>
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<220>
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 <222> (36)..(41)
 <223> n is a, c, g, or t

<400> 701

CLFK_001_02WO_ST25.TXT

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 ttgtgttact aatgactgtg ctataacttt tttttctttc c 101

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<210> 704
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<222> (36)..(41)

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

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<222> (36)..(41)

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

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ctgcgccagg tttccgcacc aagaccctt taactcaaga c 101

<210> 709

<211> 101

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agaacttcta ccagcagcag cagcagagcg agctgcagcc c 101

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<222> (36)..(41)

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

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

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<210> 715
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<220>
 <223> Oligonucleotide probe

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

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aagctgccaa tgaaaatggg aaaggtatcc agccgcccac t                             101

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

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atctggtaat tgattatttt aatgtaacct tgctaaagga g                             101

<210> 717
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<220>
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<222> (36)..(41)
<223> n is a, c, g, or t

<400> 717
atgtgactgg cacgggagtt gatcctgggtt ttcacnnnnn ngaggccaca gcaaacctcc      60
tcacagccca ctggtcctca agaggtgcca cgtctccaca c                             101

<210> 718
<211> 101
<212> DNA
<213> Artificial Sequence

<220>
<223> oligonucleotide probe

<220>
<221> misc_feature
<222> (36)..(41)
<223> n is a, c, g, or t

<400> 718

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atgtgactgg cacgggagtt gatcctgggtt ttcacnnnnn nagaggagga acgagctaaa 60
 acggagcttt ttgcccctgc gtgaccagat cccggagttg g 101

<210> 719
 <211> 101
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> oligonucleotide probe

<220>
 <221> misc_feature
 <222> (36)..(41)
 <223> n is a, c, g, or t

<400> 719
 atgtgactgg cacgggagtt gatcctgggtt ttcacnnnnn ntccaacttg accctcttgg 60
 cagcaggata gtccttccga gtggaggag gcgctgcgta g 101

<210> 720
 <211> 101
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> oligonucleotide probe

<220>
 <221> misc_feature
 <222> (36)..(41)
 <223> n is a, c, g, or t

<400> 720
 atgtgactgg cacgggagtt gatcctgggtt ttcacnnnnn ngcttggacg gacaggatgt 60
 atgctgtggc ttttttaagg ataactacct tgggggcctt t 101

<210> 721
 <211> 101
 <212> DNA
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<220>
 <223> oligonucleotide probe

<220>
 <221> misc_feature
 <222> (36)..(41)
 <223> n is a, c, g, or t

<400> 721
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 aaacaagttc ataggtgatt gctcaggaca tttctgtag a 101

<210> 722
 <211> 20
 <212> DNA

<213> Artificial Sequence

<220>

<223> poly- dT primer

<220>

<221> modified_base

<222> (20)..(20)

<223> n = any nucleotide

<220>

<221> misc_feature

<222> (20)..(20)

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

<400> 722

tttttttttt ttttttttvn

20

<210> 723

<211> 45

<212> DNA

<213> Artificial Sequence

<220>

<223> oligonucleotide aptamer

<220>

<221> misc_feature

<222> (26)..(33)

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

<220>

<221> modified_base

<222> (36)..(43)

<223> n = any nucleotide

<400> 723

tgcaggacca gagaattcga atacannnnn nnngactccg atccc

45

<210> 724

<211> 12

<212> DNA

<213> Artificial Sequence

<220>

<223> oligonucleotide aptamer

<400> 724

gggatcggag tc

12

<210> 725

<211> 45

<212> DNA

<213> Artificial Sequence

<220>

<223> oligonucleotide aptamer

<220>

<221> misc_feature

<222> (26)..(33)

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

<220>
 <221> modified_base
 <222> (36)..(43)
 <223> n = any nucleotide

 <400> 725
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 <210> 726
 <211> 12
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide aptamer

 <400> 726
 ctccgagttc cg 12

 <210> 727
 <211> 101
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide probe

 <220>
 <221> misc_feature
 <222> (36)..(41)
 <223> n is a, c, g, or t

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 aaaatgtcag cctggtctgt ccaaaagatg cgacccgatt c 101

 <210> 728
 <211> 100
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide probe

 <220>
 <221> misc_feature
 <222> (36)..(41)
 <223> n is a, c, g, or t

 <400> 728
 atgtgactgg cacgggagtt gatcctgggtt ttcacnnnnn ncagctgacc tcatcgagat 60
 tggcttgga ggaaggct ttgagccaac attggaagct 100

 <210> 729
 <211> 101
 <212> DNA
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 <220>

<223> oligonucleotide probe

<220>

<221> misc_feature

<222> (36)..(41)

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

<400> 729

atgtgactgg cacgggagtt gatcctgggtt ttcacnnnnn ntactggaga caggctggac 60

tcagctacat ccgatactcc cagatctgtg caaaagcagt g 101

<210> 730

<211> 101

<212> DNA

<213> Artificial Sequence

<220>

<223> oligonucleotide probe

<220>

<221> misc_feature

<222> (36)..(41)

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

<400> 730

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caaatgctga gaagacttct ggcagcaacg taaaaattgt g 101

<210> 731

<211> 101

<212> DNA

<213> Artificial Sequence

<220>

<223> oligonucleotide probe

<220>

<221> misc_feature

<222> (36)..(41)

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

<400> 731

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gagaatcaac tgccataggt tttacacctg agttagaaag t 101

<210> 732

<211> 100

<212> DNA

<213> Artificial Sequence

<220>

<223> oligonucleotide probe

<220>

<221> misc_feature

<222> (36)..(41)

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

CLFK_001_02WO_ST25.TXT

<400> 732
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<210> 733
 <211> 100
 <212> DNA
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 <220>
 <223> oligonucleotide probe

<220>
 <221> misc_feature
 <222> (36)..(41)
 <223> n is a, c, g, or t

<400> 733
 atgtgactgg cacgggagtt gatcctgggtt ttcacnnnnn ngacacgcag cacaaattgc 60
 gcagcgcggt ggaagagatg gaggcagaag aagctgctgc 100

<210> 734
 <211> 100
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> oligonucleotide probe

<220>
 <221> misc_feature
 <222> (36)..(41)
 <223> n is a, c, g, or t

<400> 734
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 gaccttcgtg gggagccgtg accaagatgg ggagatcctg 100

<210> 735
 <211> 101
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> oligonucleotide probe

<220>
 <221> misc_feature
 <222> (36)..(41)
 <223> n is a, c, g, or t

<400> 735
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 tcctaagtgt ggtgggcaca gcatggactg cagatagtgg t 101

<210> 736
 <211> 100

<212> DNA
 <213> Artificial Sequence

<220>
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<220>
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 <222> (36)..(41)
 <223> n is a, c, g, or t

<400> 736
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 atcaagagac cagtttggga ggatggcttt tgatccagca 100

<210> 737
 <211> 101
 <212> DNA
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 <220>
 <223> Oligonucleotide probe

<220>
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 <222> (36)..(41)
 <223> n is a, c, g, or t

<400> 737
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 ttaccaccgc tctgacaatg ggcagggaaa tttcggcgct c 101

<210> 738
 <211> 100
 <212> DNA
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 <220>
 <223> Oligonucleotide probe

<220>
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 <222> (36)..(41)
 <223> n is a, c, g, or t

<400> 738
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 tactacagcg gccctacac ggctaaaaca gacaatggga 100

<210> 739
 <211> 100
 <212> DNA
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 <223> Oligonucleotide probe

<220>

<221> misc_feature
 <222> (36)..(41)
 <223> n is a, c, g, or t

<400> 739
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 gacaccaaac tctccaaaat caagaccctg cgcctggcca 100

<210> 740
 <211> 100
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Oligonucleotide probe

<220>
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 <222> (36)..(41)
 <223> n is a, c, g, or t

<400> 740
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 gaggccttca aggagagat caagaagacc gacgtgaaag 100

<210> 741
 <211> 101
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Oligonucleotide probe

<220>
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 <222> (36)..(41)
 <223> n is a, c, g, or t

<400> 741
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 tggccgcctt agcggtagta actttgtgtt atgaatcaca t 101

<210> 742
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 <212> DNA
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<220>
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<220>
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 <222> (36)..(41)
 <223> n is a, c, g, or t

<400> 742
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 tgtgatgact acagactttg cgaacgctac gccatggttt 100

<210> 743
 <211> 100
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> oligonucleotide probe

<220>
 <221> misc_feature
 <222> (36)..(41)
 <223> n is a, c, g, or t

<400> 743
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 atgacagagt agaacgtgta cgcagagccc acctgaatga 100

<210> 744
 <211> 100
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> oligonucleotide probe

<220>
 <221> misc_feature
 <222> (36)..(41)
 <223> n is a, c, g, or t

<400> 744
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 acccctctac agccatcctg cacttcagac tatttgtcgg 100

<210> 745
 <211> 101
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> oligonucleotide probe

<220>
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 <222> (36)..(41)
 <223> n is a, c, g, or t

<400> 745
 atgtgactgg cacgggagtt gatcctgggtt ttcacnnnnn ncagaccagg ccttttgacc 60
 tcaagaagga tgtcttcgtg cctgatgaca aacaggagtt t 101

<210> 746
 <211> 100
 <212> DNA
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<220>

<223> oligonucleotide probe

<220>

<221> misc_feature

<222> (36)..(41)

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

<400> 746

atgtgactgg cacgggagtt gatcctgggtt ttcacnnnnn nagagctctt caaactcaag 60

aacgcctatg aggagtcctt ggaacatctg gagaccttca 100

<210> 747

<211> 101

<212> DNA

<213> Artificial Sequence

<220>

<223> oligonucleotide probe

<220>

<221> misc_feature

<222> (36)..(41)

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

<400> 747

atgtgactgg cacgggagtt gatcctgggtt ttcacnnnnn ncaggtcttc tataagcctg 60

ttattgaaga cttagcatg gaattggcca gaaaatgcac g 101

<210> 748

<211> 100

<212> DNA

<213> Artificial Sequence

<220>

<223> oligonucleotide probe

<220>

<221> misc_feature

<222> (36)..(41)

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

<400> 748

atgtgactgg cacgggagtt gatcctgggtt ttcacnnnnn naagagcaa aactacaagg 60

ccactccggt aagcatgacc ccggagatag agagagttag 100

<210> 749

<211> 101

<212> DNA

<213> Artificial Sequence

<220>

<223> oligonucleotide probe

<220>

<221> misc_feature

<222> (36)..(41)

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

CLFK_001_02WO_ST25.TXT

<400> 749
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<210> 750
 <211> 100
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> oligonucleotide probe

<220>
 <221> misc_feature
 <222> (36)..(41)
 <223> n is a, c, g, or t

<400> 750
 atgtgactgg cacgggagtt gacacctggtt ttcacnnnnn ngaaagccaa gctgctgcag 60
 agaagttggt gcaagcctta atggaaagaa attcagaatt 100

<210> 751
 <211> 101
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> oligonucleotide probe

<220>
 <221> misc_feature
 <222> (36)..(41)
 <223> n is a, c, g, or t

<400> 751
 atgtgactgg cacgggagtt gacacctggtt ttcacnnnnn nccggacgag gattcttcta 60
 acagagaaaa tgccattgag gatgaagagg aggaggagga g 101

<210> 752
 <211> 100
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> oligonucleotide probe

<220>
 <221> misc_feature
 <222> (36)..(41)
 <223> n is a, c, g, or t

<400> 752
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 aagacctttg actccattgt gatggacccc aagaaggacg 100

<210> 753
 <211> 100

<212> DNA
 <213> Artificial Sequence

<220>
 <223> Oligonucleotide probe

<220>
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 <222> (36)..(41)
 <223> n is a, c, g, or t

<400> 753
 atgtgactgg cacgggagtt gatcctgggtt ttcacnnnnn nagatcacga gttatgaaaa 60
 acctcctcct gggcttatca aggttggcat tgcaaattgg 100

<210> 754
 <211> 101
 <212> DNA
 <213> Artificial Sequence
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 <223> Oligonucleotide probe

<220>
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 <222> (36)..(41)
 <223> n is a, c, g, or t

<400> 754
 atgtgactgg cacgggagtt gatcctgggtt ttcacnnnnn naaagtttct tcatcgttgt 60
 cctccctgct ggtcacatga gtttacgatt ccttagaagt g 101

<210> 755
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 <223> Oligonucleotide probe

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 <222> (36)..(41)
 <223> n is a, c, g, or t

<400> 755
 atgtgactgg cacgggagtt gatcctgggtt ttcacnnnnn ncccggcgcg ttccgactgg 60
 ctgccaggat gtacctgcag aaaggatttc ccatcaaaga 100

<210> 756
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 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Oligonucleotide probe

<220>

<221> misc_feature
 <222> (36)..(41)
 <223> n is a, c, g, or t

<400> 756
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 cggagacaag cttttcggcc ctgacttaaa acttgtgccc 100

<210> 757
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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Oligonucleotide probe

<220>
 <221> misc_feature
 <222> (36)..(41)
 <223> n is a, c, g, or t

<400> 757
 atgtgactgg cacgggagtt gatcctgggtt ttcacnnnnn naacaacctg aacgtcaccg 60
 aggagaagta ccaggaggcg ttggccaagg gagatgttac 100

<210> 758
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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Oligonucleotide probe

<220>
 <221> misc_feature
 <222> (36)..(41)
 <223> n is a, c, g, or t

<400> 758
 atgtgactgg cacgggagtt gatcctgggtt ttcacnnnnn naggagaagc tgacggctgc 60
 atctgttggt gtccaaggct caggttgggg ttggcttggt 100

<210> 759
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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Oligonucleotide probe

<220>
 <221> misc_feature
 <222> (36)..(41)
 <223> n is a, c, g, or t

<400> 759
 atgtgactgg cacgggagtt gatcctgggtt ttcacnnnnn ngaccaagac tttcgcagct 60
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<210> 760
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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> oligonucleotide probe

<220>
 <221> misc_feature
 <222> (36)..(41)
 <223> n is a, c, g, or t

<400> 760
 atgtgactgg cacgggagtt gatcctgggtt ttcacnnnnn nagatgtaca aggcgtgcct 60
 caagtacccc gagtggaac agaagcacct gcctcacttc a 101

<210> 761
 <211> 101
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> oligonucleotide probe

<220>
 <221> misc_feature
 <222> (36)..(41)
 <223> n is a, c, g, or t

<400> 761
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 ggctgtgac agatgatga gaagtggaaa catctgtgct c 101

<210> 762
 <211> 100
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> oligonucleotide probe

<220>
 <221> misc_feature
 <222> (36)..(41)
 <223> n is a, c, g, or t

<400> 762
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 tcaagaagag tggaactcca ggaaaaactg gtggccaggc 100

<210> 763
 <211> 101
 <212> DNA
 <213> Artificial Sequence

<220>

<223> oligonucleotide probe

<220>

<221> misc_feature

<222> (36)..(41)

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

<400> 763

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gagcgcaaca actgtcccca agatcctctc agaccgtcta c 101

<210> 764

<211> 100

<212> DNA

<213> Artificial Sequence

<220>

<223> oligonucleotide probe

<220>

<221> misc_feature

<222> (36)..(41)

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

<400> 764

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cacaaaggag gacacttatg agaacctgca taagggtgctg 100

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<211> 101

<212> DNA

<213> Artificial Sequence

<220>

<223> oligonucleotide probe

<220>

<221> misc_feature

<222> (36)..(41)

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

<400> 765

atgtgactgg cacgggagtt gatacctggtt ttcacnnnnn natcggtttt ggttatgcag 60

ccctcgtgac atttgaagc atttttggat ataagcggag a 101

<210> 766

<211> 100

<212> DNA

<213> Artificial Sequence

<220>

<223> oligonucleotide probe

<220>

<221> misc_feature

<222> (36)..(41)

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

CLFK_001_02WO_ST25.TXT

<400> 766
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<210> 767
 <211> 101
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> oligonucleotide probe

<220>
 <221> misc_feature
 <222> (36)..(41)
 <223> n is a, c, g, or t

<400> 767
 atgtgactgg cacgggagtt gacacctggtt ttcacnnnnn ncacaacctg tacctgtttg 60
 accggaatgg agtgtgtctg cactacagcg aatggcaccg c 101

<210> 768
 <211> 100
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<220>
 <221> misc_feature
 <222> (36)..(41)
 <223> n is a, c, g, or t

<400> 768
 atgtgactgg cacgggagtt gacacctggtt ttcacnnnnn natccgagat gtgctgcacc 60
 acatctacag tgcgctgtat gtggagctgg tgggtgaagaa 100

<210> 769
 <211> 101
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> oligonucleotide probe

<220>
 <221> misc_feature
 <222> (36)..(41)
 <223> n is a, c, g, or t

<400> 769
 atgtgactgg cacgggagtt gacacctggtt ttcacnnnnn ngccgaagag gaaatgctgg 60
 aaaatgtcag cctggtctgt ccaaagatg cgacccgatt c 101

<210> 770
 <211> 100

<212> DNA
 <213> Artificial Sequence

<220>
 <223> oligonucleotide probe

<220>
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 <222> (36)..(41)
 <223> n is a, c, g, or t

<400> 770
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 tggcttgga ggaaggct ttgagccaac attggaagct 100

<210> 771
 <211> 101
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> oligonucleotide probe

<220>
 <221> misc_feature
 <222> (36)..(41)
 <223> n is a, c, g, or t

<400> 771
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 tcagctacat ccgatactcc cagatctgtg caaaagcagt g 101

<210> 772
 <211> 101
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> oligonucleotide probe

<220>
 <221> misc_feature
 <222> (36)..(41)
 <223> n is a, c, g, or t

<400> 772
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 caaatgctga gaagacttct ggcagcaacg taaaaattgt g 101

<210> 773
 <211> 101
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> oligonucleotide probe

<220>

<221> misc_feature
 <222> (36)..(41)
 <223> n is a, c, g, or t

<400> 773
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<220>
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 <223> n is a, c, g, or t

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<210> 780
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<220>

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<220>

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<222> (36)..(41)

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

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<211> 100

<212> DNA

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

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<212> DNA

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<220>

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<222> (36)..(41)

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

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<211> 101

<212> DNA

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<220>

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<222> (36)..(41)

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

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

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<210> 791
 <211> 101
 <212> DNA
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<220>
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<212> DNA
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<220>
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