

9869SG2170_ST25.txt
SEQUENCE LISTING

<110> AGENCY FOR SCIENCE, TECHNOLOGY AND RESEARCH
SINGHEALTH

<120> BIOMARKERS FOR DOWN SYNDROME PRENATAL DIAGNOSIS

<130> 9869SG2171

<150> SG201207172-6

<151> 2012-09-26

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<170> PatentIn version 3.5

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 gcatggctgc tgagatcggt ccacacatag agttcttcct cgtccccac tgtggccgcg 60

 <210> 96
 <211> 41
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Probe sequence (5'→3')

 <400> 96
 ccagctccat cccgggccag ccgcgtcgat gcgaacgtgc g 41

 <210> 97
 <211> 59
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Probe sequence (5'→3')

 <400> 97
 gcatggctgc tgagatcggt ccacacatag agttcttagc cccacgcggc gcaagaacc 59

 <210> 98
 <211> 35
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Probe sequence (5'→3')

 <400> 98
 ccgggcgctg agctccgggt cgatgcgaac gtgcg 35

 <210> 99
 <211> 60
 <212> DNA
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 <220>
 <223> Probe sequence (5'→3')

 <400> 99
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 <210> 100
 <211> 39
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Probe sequence (5'→3')

 <400> 100
 tcccagaggc ccgcgcgcgc aggtcgatgc gaacgtgcg

39

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<210> 101
 <211> 60
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Probe sequence (5'→3')

 <400> 101
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 <210> 102
 <211> 47
 <212> DNA
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 <220>
 <223> Probe sequence (5'→3')

 <400> 102
 ctctctgtct gcacttcaaa gcgagtggcg ctcgatgcga acgtgcg 47

 <210> 103
 <211> 59
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 <220>
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 <400> 103
 gcatggctgc tgagatcggt ccacacatag agttcttccg aggccgcctt cgccgcgcg 59

 <210> 104
 <211> 39
 <212> DNA
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 <220>
 <223> Probe sequence (5'→3')

 <400> 104
 cgttcccggg gccccgccc atctcgatgc gaacgtgcg 39

 <210> 105
 <211> 60
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Probe sequence (5'→3')

 <400> 105
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 <210> 106
 <211> 38
 <212> DNA
 <213> Artificial Sequence

 <220>

9869SG2170_ST25.txt

<223> Probe sequence (5'→3')

<400> 106

gcctgggccc ccccccgcgt cttcgatgcg aacgtgcg

38

<210> 107

<211> 63

<212> DNA

<213> Artificial Sequence

<220>

<223> Probe sequence (5'→3')

<400> 107

gcatggctgc tgagatcggt ccacacatag agttcttggg ttggcccgac ctagacttgg

60

cgc

63

<210> 108

<211> 40

<212> DNA

<213> Artificial Sequence

<220>

<223> Probe sequence (5'→3')

<400> 108

tgtatcgagg ctgggcctgt cgcacgatg cgaacgtgcg

40

<210> 109

<211> 60

<212> DNA

<213> Artificial Sequence

<220>

<223> Probe sequence (5'→3')

<400> 109

gcatggctgc tgagatcggt ccacacatag agttcttcgc ctcggcggag agcagccccg

60

<210> 110

<211> 39

<212> DNA

<213> Artificial Sequence

<220>

<223> Probe sequence (5'→3')

<400> 110

ggcgcggcag cagcgtcagc cgttcgatgc gaacgtgcg

39

<210> 111

<211> 63

<212> DNA

<213> Artificial Sequence

<220>

<223> Probe sequence (5'→3')

<400> 111

gcatggctgc tgagatcggt ccacacatag agttcttccc cgggctggca ctcgagatat

60

gtg

63

9869SG2170_ST25.txt

<210> 112
 <211> 47
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Probe sequence (5'→3')

<400> 112
 agcgcgtggtt acgttcaact ttgctttgca gtcgatgcga acgtgcg

47

<210> 113
 <211> 60
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Probe sequence (5'→3')

<400> 113
 gcatggctgc tgagatcggtt ccacacatag agttcttccg ggacccccga gtcctggctt

60

<210> 114
 <211> 41
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Probe sequence (5'→3')

<400> 114
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41

<210> 115
 <211> 60
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Probe sequence (5'→3')

<400> 115
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60

<210> 116
 <211> 41
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<220>
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<400> 116
 agcgccagca gcagtggcac ccagctcgat gcgaacgtgc g

41

<210> 117
 <211> 60
 <212> DNA
 <213> Artificial Sequence

<220>

9869SG2170_ST25.txt

<223> Probe sequence (5'→3')

<400> 117

gcatggctgc tgagatcggt ccacacatag agttctttcc agtccccaca gcgttcgcg 60

<210> 118

<211> 42

<212> DNA

<213> Artificial Sequence

<220>

<223> Probe sequence (5'→3')

<400> 118

tcccagccgg ggtaagcgga agaaaatcga tgcgaacgtg cg 42

<210> 119

<211> 64

<212> DNA

<213> Artificial Sequence

<220>

<223> Probe sequence (5'→3')

<400> 119

gcatggctgc tgagatcggt ccacacatag agttcttacc tcaaggggag aacagaaggc 60

cggc 64

<210> 120

<211> 43

<212> DNA

<213> Artificial Sequence

<220>

<223> Probe sequence (5'→3')

<400> 120

tccgcgtggc atctagcact gtggagctcg atgcgaacgt gcg 43

<210> 121

<211> 63

<212> DNA

<213> Artificial Sequence

<220>

<223> Probe sequence (5'→3')

<400> 121

gcatggctgc tgagatcggt ccacacatag agttctttca gttcatccc atgcctgtcg 60

cgc 63

<210> 122

<211> 45

<212> DNA

<213> Artificial Sequence

<220>

<223> Probe sequence (5'→3')

<400> 122

tgccacccaa aactcatgc accggaagtt cgatgcgaac gtgcg 45

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<210> 123
 <211> 17
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Probe for Group 1 biomarker/biomarker region; Probe sequence
 (5'→3')

<400> 123
 ccacagtatg aatctct

17

<210> 124
 <211> 17
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Probe for Group 2 biomarker/biomarker region; Probe sequence
 (5'→3')

<400> 124
 ccacacatag agttctt

17

<210> 125
 <211> 17
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Probe for Mix10 Group 1; Probe sequence (5'→3')

<220>
 <221> misc_feature
 <222> (1)..(1)
 <223> attached to FAM

<220>
 <221> misc_feature
 <222> (17)..(17)
 <223> attached to MGB

<400> 125
 ccacagtatg aatctct

17

<210> 126
 <211> 17
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Probe for Mix 10 Group 2; Probe sequence (5'→3')

<220>
 <221> misc_feature
 <222> (1)..(1)
 <223> attached to VIC

<220>
 <221> misc_feature
 <222> (17)..(17)

9869SG2170_ST25.txt

<223> attached to MGB

<400> 126
ccacacatag agttctt

17

<210> 127
<211> 19
<212> DNA
<213> Artificial Sequence<220>
<223> Forward primer; primer sequence (5'→3')<400> 127
gcatggctgc tgagatcgt

19

<210> 128
<211> 16
<212> DNA
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<223> reverse primer; primer sequence (5'→3')<400> 128
cgcacgttcg catcga

16

<210> 129
<211> 13
<212> DNA
<213> Artificial Sequence<220>
<223> Probe for Group 1; Probe sequence (5'→3')<220>
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<222> (1)..(1)
<223> attached to FAM<220>
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<222> (13)..(13)
<223> attached to MGB<400> 129
cggctgccac ccg

13

<210> 130
<211> 14
<212> DNA
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<223> Probe for Group 2; probe sequence (5'→3')<220>
<221> misc_feature
<222> (1)..(1)
<223> attached to VIC

<220>

9869SG2170_ST25.txt

<221> misc_feature
 <222> (14)..(14)
 <223> attached to MGB

 <400> 130
 cgcgcttcc agtg 14

<210> 131
 <211> 17
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Forward primer for Group 1; primer sequence (5'→3')

 <400> 131
 accccacagc ggagctc 17

<210> 132
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Forward primer for Group 2; Primer sequence (5'→3')

 <400> 132
 aacacatggt cacgcacacc 20

<210> 133
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Reverse primer for Group 1; primer sequence (5'→3')

 <400> 133
 agaaaaggac caggaaggc 20

<210> 134
 <211> 15
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Reverse primer for Group 2; primer sequence (5'→3')

 <400> 134
 cgcttgccgc agacg 15

<210> 135
 <211> 16
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> qPCR reverse rprimer; primer sequence (5'→3')

 <400> 135
 tcgatgcgaa cgtgcg 16