

F20367WO.txt
SEQUENCE LISTING

<110> FOUNDATION MEDICINE, INC.
<120> OPTIMIZATION OF MULTIGENE ANALYSIS OF TUMOR SAMPLES
<130> F2036-7000WO
<140> PCT/US2011/067725
<141> 2011-12-29

<150> 61/552,884
<151> 2011-10-28

<150> 61/486,033
<151> 2011-05-13

<150> 61/486,006
<151> 2011-05-13

<150> 61/486,026
<151> 2011-05-13

<150> 61/486,012
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<150> 61/467,748
<151> 2011-03-25

<150> 61/467,798
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<150> 61/428,638
<151> 2010-12-30

<150> 61/428,626
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<150> 61/428,602
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<160> 51
<170> PatentIn version 3.5

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

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

<400> 1

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<210> 2
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 <213> Homo sapiens

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<210> 3
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 <212> DNA
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<210> 4
 <211> 36
 <212> DNA
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<400> 4 ccaacactaa actgctcttt aaatatctta gacact	36
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<210> 5
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 <212> DNA
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 <223> Description of Artificial Sequence: Synthetic
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<210> 6
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 polynucleotide

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gtgcggctct actacatcgg aggggaggtc ttcgcagagt gcctcagtga cagcgctatt	120

<210> 7

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 <223> Description of Artificial Sequence: Synthetic polynucleotide

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<210> 8
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<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

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<210> 9
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 cccaactgta accagcgcta tggctggcac ccggccaccg tctgcaagat cccaccaggt 120

<210> 10
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<210> 11
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<210> 12

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<210> 13

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ctgccctcct ggcccagtcg gtcaaccagg gctttgaggc tgtctaccag ttgacccgaa 120

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<212> DNA

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accagggctt tgaggctgtc taccagttga cccgaatgtg caccatccgc atgagcttcg 120

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic

polynucleotide

<400> 15
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 agttgaccgc aatgtgcacc atccgcatga gcttcgtcaa aggctgggga gcggagtaca 120

<210> 16
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 <223> Description of Artificial Sequence: Synthetic
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 gcatgagctt cgtcaaaggc tggggagcgg agtacaggtc agttatgggt gctgcctaca 120

<210> 17
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<220>
 <223> Description of Artificial Sequence: Synthetic
 polynucleotide

<400> 17
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 gagcggagta caggtcagtt atgggtgctg cctacatcag gggaccaaac tccaggtgac 120

<210> 18
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<220>
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 polynucleotide

<400> 18
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 agacagactg tgaccagtac cccctgctgg attgagctgc acctgaatgg gcctttgcag 120

<210> 19
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 <212> DNA
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 <223> Description of Artificial Sequence: Synthetic
 polynucleotide

<400> 19

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tgctggattg agctgcacct gaatgggcct ttgcagtggc ttgacaaggt cctcaccag	120

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

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

<400> 20 atttcttaca ggagacagac tgtgaccagt acccctgct ggattgagct gcacctgaat	60
gggcctttgc agtggcttga caaggctctc acccagatgg gtcctccaag catccgctgt	120

<210> 21
 <211> 120
 <212> DNA
 <213> Artificial Sequence

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

<400> 21 accagtaccc cctgctggat tgagctgcac ctgaatgggc ctttgagtg gcttgacaag	60
gtcctcacc agatgggctc cccaagcatc cgctgttcca gtgtgtctta gagacatcaa	120

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

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

<400> 22 ctgcacctga atgggccttt gcagtggctt gacaaggctc tcaccagat gggctcccca	60
agcatccgct gttccagtgt gtcttagaga catcaagtat ggtaggggag ggcaggcttg	120

<210> 23
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 <212> DNA
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<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 23 tggcttgaca aggtcctcac ccagatgggc tcccaagca tccgctgttc cagtgtgtct	60
tagagacatc aagtatggta ggggagggca ggcttgggga aaatggccat gcaggaggtg	120

<210> 24
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<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

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<210> 25
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<400> 25
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 agccctgcga tgccgcctgg agcggcgcg ctcgcactgc agatggctct cttaggatg 120

<210> 26
 <211> 120
 <212> DNA
 <213> Artificial Sequence

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

<400> 26
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 ggggtcccca ggccgcgccg gccagccct gcgatgccgc ctggagcggc gcgcctcgcg 120

<210> 27
 <211> 120
 <212> DNA
 <213> Artificial Sequence

<220>
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<400> 27
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 ggggtcccca ggccgcgcat gccagccct gcgatgccgc cttgagcaac gcgcctcacg 120

<210> 28

<211> 120
 <212> DNA
 <213> Artificial Sequence

<220>
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<400> 28
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 acgccggcat ggcctccgga gcccgggggc cccaggccgc gccggcccag ccctgcatg 120

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

<220>
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<400> 29
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 acgccggcat ggcctccgga gcccgggggc cccaggccgc gccagcccag ccctgagatg 120

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

<220>
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<400> 30
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 gcagctggcc gccgtcgcgc gccaacgcg gcatggcctc cggagcccag ggtccccagg 120

<210> 31
 <211> 120
 <212> DNA
 <213> Artificial Sequence

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

<400> 31
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 gcagctggcc gccgtcgcgc gccaacgcag gcatggcctc cggagcccag ggtccccagg 120

<210> 32
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 <212> DNA
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<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 32

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ggaccgcgag gggctgcgag cgagcgagcg gggccttacc gagcagcggc agctggccgc 120

<210> 33

<211> 120

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 33

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ggaccgcgag gggctgcgag cgagcgagcg gggacttacc gagcagcggc aactggacgc 120

<210> 34

<211> 120

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 34

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cgagcggggc cttaccgagc agcggcagct ggccgccgtc gcgcgccaac gccggcatgg 120

<210> 35

<211> 120

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 35

gcacgcacgg atccacactg cggggtgggg gctgagggac cgcgaggagc tgcgagcgag 60

cgagcggggc cttaccgagc agcggcagct ggcagccgtc gcgcgccaac gccggcatgg 120

<210> 36

<211> 120

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
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polynucleotide

<400> 36
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 gcggccgcgg ctcggggctg aaagtgtccg cgcgggcgcc ggctggcctg gggcggggcg 120

<210> 37
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<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

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<210> 38
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<220>
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 gctcgggcgg gtggcccgtt cgccgcgctc accgtccagg agtcccaggc agagccacag 120

<210> 39
 <211> 120
 <212> DNA
 <213> Artificial Sequence

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

<400> 39
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 gctcgggcgg gtggcccgtt cgccgcgctc accgtccagg agtcccaggc cacacacaca 120

<210> 40
 <211> 120
 <212> DNA
 <213> Artificial Sequence

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

<400> 40

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gcgctcaccg tccaggagtc ccaggcagag ccacagtcgc aggcacagcg cggcgccccg	120

<210> 41
 <211> 120
 <212> DNA
 <213> Artificial Sequence

<220>
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<400> 41 cacacacaca ggtacccccct ccccggccag ccccacgctc gggcggggtgg cccgttcgcc	60
gcgctcaccg tccaggagtc ccaggcagag ccacagtcgc aggcacagcg cacacacaca	120

<210> 42
 <211> 120
 <212> DNA
 <213> Artificial Sequence

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

<400> 42 ggccccgttcg ccgcgctcac cgtccaggag tcccaggcag agccacagtc gcaggcacag	60
cgcggcgccc cgctgcatct ccggccgctg cgctgggtc cgacccgagc ggccgcggct	120

<210> 43
 <211> 120
 <212> DNA
 <213> Artificial Sequence

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

<400> 43 cacacacaca ccgcgctcac cgtccaggag tcccaggcag agccacagtc gcaggcacag	60
cgcggcgccc cgctgcatct ccggccgctg cgctgggtc cgacccgagc cacacacaca	120

<210> 44
 <211> 120
 <212> DNA
 <213> Artificial Sequence

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

<400> 44 ggccagcccc acgctcgggc ggggtggccc ttcgccgcgc tcaccgtcca ggagtcccag	60
gcagagccac agtcgcaggc acagcgggc gccccgctgc atctccggcc gctgcgcgtg	120

<210> 45
 <211> 120
 <212> DNA
 <213> Artificial Sequence

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

<400> 45
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 gcagagccac agtcgcaggc acagcgcggc gccccgctgc atctccggcc cacacacaca 120

<210> 46
 <211> 120
 <212> DNA
 <213> Artificial Sequence

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

<400> 46
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<210> 47
 <211> 120
 <212> DNA
 <213> Artificial Sequence

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

<400> 47
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 ccgctgcgcg tgggtccgac ccgagcggcc gcggctcggg gctgaaagtg cacacacaca 120

<210> 48
 <211> 23
 <212> DNA
 <213> Artificial Sequence

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

<400> 48
 aatgatacgg cgaccaccga gat 23

<210> 49
 <211> 21
 <212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic primer

<400> 49

caagcagaag acggcatacg a

21

<210> 50

<211> 10

<212> DNA

<213> Homo sapiens

<400> 50

ttaagagaag

10

<210> 51

<211> 11

<212> DNA

<213> Homo sapiens

<400> 51

acagaaagac a

11