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<120> PROBE COMBINATION FOR DETECTION OF CANCER

<150> US 62/456,087

<151> 2017-02-07

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<170> PatentIn version 3.5

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 <212> DNA
 <213> Hepatitis B virus

<400> 11	
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 <212> DNA
 <213> Hepatitis B virus

<400> 12
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 <212> DNA
 <213> Hepatitis B virus

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 <212> DNA
 <213> Hepatitis B virus

<400> 14	
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<210> 15
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 <212> DNA
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<400> 15	
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<210> 16
 <211> 957
 <212> DNA
 <213> Hepatitis B virus

<400> 16
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<212> DNA
<213> Hepatitis B virus

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 <212> DNA
 <213> Hepatitis B virus

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 <213> Hepatitis B virus

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 <212> DNA
 <213> Hepatitis B virus

<400> 21	
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<210> 22
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 <212> DNA
 <213> Hepatitis B virus

<400> 22	
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<210> 23

<211> 996
 <212> DNA
 <213> Hepatitis B virus

<400> 23
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<210> 24
 <211> 996
 <212> DNA
 <213> Hepatitis B virus

<400> 24
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ggtcaattat gttaatacta atatgggttt aaaaat	996

<210> 25
 <211> 999
 <212> DNA
 <213> Hepatitis B virus

<400> 25	
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<210> 26
 <211> 960
 <212> DNA
 <213> Hepatitis B virus

<400> 26	
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<210> 27

<211> 960
 <212> DNA
 <213> Hepatitis B virus

<400> 27
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<210> 28
 <211> 960
 <212> DNA
 <213> Hepatitis B virus

<400> 28
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<210> 29
 <211> 960
 <212> DNA
 <213> Hepatitis B virus

<400> 29	
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<210> 30
 <211> 960
 <212> DNA
 <213> Hepatitis B virus

<400> 30	
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<210> 31
 <211> 960
 <212> DNA
 <213> Hepatitis B virus

<400> 31	
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<210> 32
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 <212> DNA
 <213> Hepatitis B virus

<400> 32	
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<210> 33
 <211> 378
 <212> DNA
 <213> Homo sapiens

<400> 33	
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cggctgtag tcactggcag caacagtctt acctggactc tggaatccat tctggtgcca	180
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<210> 34
 <211> 673
 <212> DNA
 <213> Homo sapiens

<400> 34	
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<210> 35
 <211> 779
 <212> DNA
 <213> Homo sapiens

<400> 35	
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<210> 36
 <211> 528
 <212> DNA
 <213> Homo sapiens

<400> 36

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<210> 37
 <211> 260
 <212> DNA
 <213> Homo sapiens

<400> 37	
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agttcctgca tgggcggcat gaaccggagg cccatcctca ccatcatcac actggaagac	180
tccaggtcag gagccacttg ccaccctgca cactggcctg ctgtgcccc a gcctctgctt	240
gcctctgacc cctgggcccc	260

<210> 38
 <211> 436
 <212> DNA
 <213> Homo sapiens

<400> 38	
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tcctatcctg agtagtggt a tctactggg acggaacagc tttgaggtgc gtgtttgtgc	120
ctgtcctggg agagaccggc gcacagagga agagaatctc cgcaagaaag gggagcctca	180
ccacgagctg cccccaggga gactaagcg agcctggttt tttaaatggg acaggtagga	240
cctgatttcc ttactgcctc ttgcttctct tttcctatcc tgagtagcac tgcccaacaa	300
caccagctcc tctccccagc caaagaagaa accactggat ggagaatatt tcacccttca	360

ggtactaagt cttgggacct cttatcaagt ggaaagtttc cagtctaaca ctcaaaatgc 420
cgttttcttc ttgact 436

<210> 39
<211> 453
<212> DNA
<213> Homo sapiens

<400> 39
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ctgtcctggg agagaccggc gcacagagga agagaatctc cgcaagaaag gggagcctca 180
ccacgagctg cccccagga gcactaagcg aggttaagcaa gcaggacaag aagcgggtgga 240
ggagaccaag ggtgcagtta tgcctcagat tcacttttat cacctttcct tgcctctttc 300
ctagcactgc ccaacaacac cagctcctct cccagccaa agaagaaacc actggatgga 360
gaatatttca cccttcaggt actaagtctt gggacctctt atcaagtgga aagtttccag 420
tctaacactc aaaatgccgt tttcttcttg act 453

<210> 40
<211> 257
<212> DNA
<213> Homo sapiens

<400> 40
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cctctgttgc tgcagatccg tgggcgtgag cgcttcgaga tgttccgaga gctgaatgag 120
gccttggaaac tcaaggatgc ccaggctggg aaggagccag gggggagcag ggctcactcc 180
aggtgagtga cctcagcccc ttcctggccc tactcccctg ccttcctagg ttggaaagcc 240
ataggattcc attctca 257

<210> 41
<211> 232
<212> DNA
<213> Homo sapiens

<400> 41
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ttctgtctcc tacagccacc tgaagtccaa aaagggtcag tctacctccc gccataaaaa 120

actcatgttc aagacagaag ggcctgactc agactgacat tctccacttc ttgttcccca 180
ctgacagcct cccaccccca tctctccctc ccctgccatt ttgggttttg gg 232

<210> 42
<211> 120
<212> DNA
<213> Lambda phage

<400> 42
ctggtgccgc cgcaatggcc attaaccgcg ttgcttcacg cgcgatatcg cagtcggcgt 60
cacaggttgc ccgtgagaca aaggtacgcc ggaaactggt aaaggaaagg gccaggctga 120

<210> 43
<211> 120
<212> DNA
<213> Lambda phage

<400> 43
acgtgtcggc ggagcagatt gcgtatgttg ctgagttgca gcgttccggc gatgaagccg 60
gggcattgca ggcggcgaac gaggccgcaa cgaaagggtt tgatgaccag acccgccgcc 120

<210> 44
<211> 120
<212> DNA
<213> Lambda phage

<400> 44
gccgtggtgg ctggtctgcc gggggacgat tcataagttc cgctgtgtgc cgcattctac 60
cgggcggcgc tttgagcacg gtgtgacgga ctgttacaca ctgttccggg atgcttatca 120

<210> 45
<211> 120
<212> DNA
<213> Lambda phage

<400> 45
catgtaccgg gcgatgttat tgaaatctgc gatgatgact atgccggtat cagcaccggt 60
ggtcgtgtgc tggcggtgaa cagccagacc cggacgctga cgctcgaccg tgaaatcacg 120

<210> 46
<211> 240
<212> DNA
<213> Lambda phage

<400> 46
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cacaggttgc ccgtgagaca aaggtagcc ggaaactggt aaaggaaagg gccaggctga 120
aaagggccac ggtcaaaaat ccgcaggcca gaatcaaagt taaccggggg gatttgcccg 180
taatcaagct gggtaatgcg cgggttgtcc tttcgcgccg caggcgtcgt aaaaaggggc 240

<210> 47
<211> 240
<212> DNA
<213> Lambda phage

<400> 47
catgtaccgg gcgatgttat tgaaatctgc gatgatgact atgccggtat cagcaccggt 60
ggctcgtgtgc tggcggtgaa cagccagacc cggacgtga cgctcgaccg tgaaatcacg 120
ctgccatcct ccggtaccgc gctgataagc ctggttgacg gaagtggcaa tccggtcagc 180
gtggaggttc agtccgtcac cgacggcgtg aaggtaaaag tgagccgtgt tcctgacggt 240

<210> 48
<211> 180
<212> DNA
<213> Lambda phage

<400> 48
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gggcattgca ggcggcgaac gaggccgcaa cgaaagggtt tgatgaccag acccgccgcc 120
tgaaagagaa catgggcacg ctggagacct gggcagacag gactgcgcgg gcattcaaat 180

<210> 49
<211> 180
<212> DNA
<213> Lambda phage

<400> 49
gccgtggtgg ctggtctgcc gggggacgat tcataagttc cgctgtgtgc cgcatctcac 60
cgggcggcgc tttgagcacg gtgtgacgga ctgttacaca ctgttcggg atgcttatca 120
tctggcgggg attgagatgc cggactttca tcgtgaggat gactggtggc gtaacggcca 180

<210> 50
<211> 120

<212> DNA
 <213> Lambda phage

<400> 50
 agttatacat tctgccatag attatagcta aggcatgtaa taattcgtaa tcttttagcg 60
 tattagcgac ccatcgtctt tctgatttaa taatagatga ttcagttaaa tatgaaggta 120

<210> 51
 <211> 120
 <212> DNA
 <213> Lambda phage

<400> 51
 cacacaacac catatgcatt taagtcgctt gaaattgcta taagcagagc atgttgcgcc 60
 agcatgatta atacagcatt taatacagag ccgtgtttat tgagtcggta ttcagagtct 120

<210> 52
 <211> 120
 <212> DNA
 <213> Lambda phage

<400> 52
 gctgacagcc tgattgcaaa attcaaagaa gcgggcggaa cggtcagaga gattgatgta 60
 tgagcagagt caccgcgatt atctccgctc tggttatctg catcatcgtc tgcctgtcat 120

<210> 53
 <211> 120
 <212> DNA
 <213> Lambda phage

<400> 53
 agaaacgaat gctgcagcgt cacaacaatc agccgccacg tctgcctcca ccgcggccac 60
 gaaagcgtca gaggccgcca cttcagcacg agatgcggtg gcctcaaaag aggcagcaaa 120

<210> 54
 <211> 120
 <212> DNA
 <213> Lambda phage

<400> 54
 atcgccgtgc tgccggtgtc cggcacgctg gtcagccgga cgcgggcgct gcagccgtac 60
 tcggggatga ccggttacia cggcattatc gcccgctctgc aacaggctgc cagcgatccg 120

<210> 55

<211> 240
<212> DNA
<213> Homo sapiens

<400> 55
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aatacagctt cccctcttcc caccgcgcc agtctctgtc ccttttgtag gagggactta 120
gagaaggggt gggcttgccc tgtccagtta atttctgacc ttactcctg ccctttgagt 180
ttgatgatgc tgagtgtaca agcgttttct ccctaaaggg tgcagctgag ctaggcagca 240

<210> 56
<211> 240
<212> DNA
<213> Homo sapiens

<400> 56
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ttcctgcacc ctgaagtac tgagacaatg gagaagggt tctccaaata gaattctcgg 120
agcatgggga ggtgccaac gccaggctac cgctgcatgt cgcactaagt gtgttctcct 180
gttgcatgtg ggctcatcat cgtcatagct ggcatgtacc tggctctggc caggtgctag 240