SEQUENCE LISTING

<110> Synpromics Limited

<120> Liver-Specific Inducible Promoters and Methods of Use Thereof

<130> P265002WO

<150> GB1900741.8
<151> 2019-01-18

<160> 91

<170> PatentIn version 3.5

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tctgtacttt cctgaccttg gatc 84

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<223> 3x NR1 sequence (human)

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ccgaggtcca cttcgcatat taaggtgacg cgtgtggcct cgaacaccga gcgaccctgc 180

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<223> PB1-CMV-MP

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ccgccccatc gctgactaat ttttttttatt tatgcagagg ccgaggccgc ctcggcctct 240

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gaacacgcag atgcagtcgg ggcggcgcgg tccgaggtcc acttcgcata ttaaggtgac 240

gcgtgtggcc tcgaacaccg agcgaccctg cagcgacccg cttaacagcg tcaacagcgt 300

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gcgtcttgtc attggcgaat tcgaacacgc agatgcagtc ggggcggcgc ggtccgaggt 360

ccacttcgca tattaaggtg acgcgtgtgg cctcgaacac cgagcgaccc tgcagcgacc 420

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agtcagcaac catagtcccg cccctaactc cgcccatccc gcccctaact ccgcccagtt 240

ccgcccattc tccgccccat cgctgactaa ttttttttat ttatgcagag gccgaggccg 300

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<223> PB1-2-SV40

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cttgcctgac accgctggga gttcgtagac ggactagccc gggctcgaga tctgcgatct 240

gcatctcaat tagtcagcaa ccatagtccc gcccctaact ccgcccatcc cgcccctaac 300

tccgcccagt tccgcccatt ctccgcccca tcgctgacta attttttta tttatgcaga 360

ggccgaggcc gcctcggcct ctgagctatt ccagaagtag tgaggaggct tttttggagg 420

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cttgcctgac accctgacct cctgccagca atatctgtac tttcctgacc ttggcacagt 240

gccaccatca acttgcctga caccgctggg agttcgtaga cggactagcc cgggctcgag 300

atctgcgatc tgcatctcaa ttagtcagca accatagtcc cgcccctaac tccgcccatc 360

ccgcccctaa ctccgcccag ttccgcccat tctccgcccc atcgctgact aatttttttt 420

atttatgcag aggccgaggc cgcctcggcc tctgagctat tccagaagta gtgaggaggc 480

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ccgctgggag ttcgtagacg gagcgattaa tccatatgca ggtctatata agcagagctc 180

gtttagtgaa ccgtcagatc gcctagatac gccatccacg ctgttttgac ctccatagaa 240

gatcgccacc c 251

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ccgcactgaa ggtcctcaat cgtctgtact ttcctgacct tggcacagtg ccaccatcaa 180

cttgcctgac accgctggga gttcgtagac ggagcgatta atccatatgc aggtctatat 240

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cctccataga agatcgccac cc 322

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<223> PB1-3-CMV

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ccgcactgaa ggtcctcaat cgtctgtact ttcctgacct tggcacagtg ccaccatcaa 180

cttgcctgac accctgacct cctgccagca atatctgtac tttcctgacc ttggcacagt 240

gccaccatca acttgcctga caccgctggg agttcgtaga cggagcgatt aatccatatg 300

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cagtcggggc ggcgcggtcc gaggtccact tcgcatatta aggtgacgcg tgtggcctcg 180

aacaccgagc gaccctgcag cgacccgctt aacagcgtca acagcgtgcc gcagatctcg 240

aggagcttgg cgagattttc aggagctaag gaagctaaac atgggggtgc acgaatgtcc 300

tgcctggctg tggcttctcc tgtccctgct gtcgctccct ctgggcctcc cagtcctggg 360

cgccccacca cgcctcatct gtgacagccg agtcctggag aggtacctct tggaggccaa 420

ggaggccgag aatatcacga cgggctgtgc tgaacactgc agcttgaatg agaatatcac 480

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gttggtcaac tcttcccagc cgtgggagcc cctgcagctg catgtggata aagccgtcag 660

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gtt 1023

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<220>
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<220>
<221> misc_feature
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<223> n is a, c, g, or t

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

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<211> 60
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<220>
<221> misc_feature
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<222> (40)..(41)
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<213> Artificial Sequence

<220>
<223> mNR1-hNFI hNR2-Min TK (MHH MinTK)

<400> 64
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ccgcccagcg tcttgtcatt ggcgaattcg aacacgcaga tgcagtcggg gcggcgcggt 120

ccgaggtcca cttcgcatat taaggtgacg cgtgtggcct cgaacaccga gcgaccctgc 180

agcgacccgc ttaacagcgt caacagcgtg ccgcagatct cgaggagctt ggcgagattt 240

tcaggagcta aggaagctaa acatggaaga tgccaaaaac attaag 286

<210> 65
<211> 330
<212> DNA
<213> Artificial Sequence

<220>
<223> hPB-SV40

<400> 65
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tcgtagacgg actagcccgg gctcgagatc tgcgatctgc atctcaatta gtcagcaacc 120

atagtcccgc ccctaactcc gcccatcccg cccctaactc cgcccagttc cgcccattct 180

ccgccccatc gctgactaat ttttttttatt tatgcagagg ccgaggccgc ctcggcctct 240

gagctattcc agaagtagtg aggaggcttt tttggaggcc taggcttttg caaaaagctt 300

ggcattccgg tactgttggt aaagccaccc 330

<210> 66
<211> 330
<212> DNA
<213> Artificial Sequence

<220>
<223> MHM-SV40

<400> 66
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tcgtagacgg actagcccgg gctcgagatc tgcgatctgc atctcaatta gtcagcaacc 120

atagtcccgc ccctaactcc gcccatcccg cccctaactc cgcccagttc cgcccattct 180

ccgccccatc gctgactaat ttttttttatt tatgcagagg ccgaggccgc ctcggcctct 240

gagctattcc agaagtagtg aggaggcttt tttggaggcc taggcttttg caaaaagctt 300

ggcattccgg tactgttggt aaagccaccc 330

<210> 67
<211> 401
<212> DNA
<213> Artificial Sequence

<220>
<223> 2xhPB SV40

<400> 67
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catccattct cactgtactt tcctgaccct gaagaggtgg cagcatggac tttcctgaac 120

cagctgggag ttcgtagacg gactagcccg ggctcgagat ctgcgatctg catctcaatt 180

agtcagcaac catagtcccg cccctaactc cgcccatccc gcccctaact ccgcccagtt 240

ccgcccattc tccgccccat cgctgactaa ttttttttat ttatgcagag gccgaggccg 300

cctcggcctc tgagctattc cagaagtagt gaggaggctt ttttggaggc ctaggctttt 360

gcaaaaagct tggcattccg gtactgttgg taaagccacc c   401

<210> 68
<211> 353
<212> DNA
<213> Artificial Sequence

<220>
<223> 2xMHM-MinTK

<400> 68
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catccattct ctctgtactt tcctgacctt gaagaggtgg caccatcaac ttgcctgaca 120

ccgctgggag ttcgtagacg gagatccggc cccgcccagc gtcttgtcat tggcgaattc 180

gaacacgcag atgcagtcgg ggcggcgcgg tccgaggtcc acttcgcata ttaaggtgac 240

gcgtgtggcc tcgaacaccg agcgaccctg cagcgacccg cttaacagcg tcaacagcgt 300

gccgcagatc tcgaggagct tggcgagatt ttcaggagct aaggaagcta aac   353

<210> 69
<211> 401
<212> DNA
<213> Artificial Sequence

<220>
<223> 2xMHM-SV40

<400> 69
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catccattct ctctgtactt tcctgacctt gaagaggtgg caccatcaac ttgcctgaca 120

ccgctgggag ttcgtagacg gactagcccg ggctcgagat ctgcgatctg catctcaatt 180

agtcagcaac catagtcccg cccctaactc cgcccatccc gcccctaact ccgcccagtt 240

ccgcccattc tccgccccat cgctgactaa ttttttttat ttatgcagag gccgaggccg 300

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gcaaaaagct tggcattccg gtactgttgg taaagccacc c 401

<210> 70
<211> 424
<212> DNA
<213> Artificial Sequence

<220>
<223> 3xhPB-minTK

<400> 70
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catccattct cactgtactt tcctgaccct gaagaggtgg cagcatggac tttcctgaac 120

cagcactgaa ggtcctcaat cgactgtact ttcctgaccc tgaagaggtg gcagcatgga 180

ctttcctgaa ccagctggga gttcgtagac ggagatccgg ccccgcccag cgtcttgtca 240

ttggcgaatt cgaacacgca gatgcagtcg gggcggcgcg gtccgaggtc cacttcgcat 300

attaaggtga cgcgtgtggc ctcgaacacc gagcgaccct gcagcgaccc gcttaacagc 360

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aaac 424

<210> 71
<211> 472
<212> DNA
<213> Artificial Sequence

<220>
<223> 3xhPB-SV40

<400> 71
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catccattct cactgtactt tcctgaccct gaagaggtgg cagcatggac tttcctgaac 120

cagcactgaa ggtcctcaat cgactgtact ttcctgaccc tgaagaggtg gcagcatgga 180

ctttcctgaa ccagctggga gttcgtagac ggactagccc gggctcgaga tctgcgatct 240

gcatctcaat tagtcagcaa ccatagtccc gcccctaact ccgcccatcc cgcccctaac 300

tccgcccagt tccgcccatt ctccgcccca tcgctgacta attttttta tttatgcaga 360

ggccgaggcc gcctcggcct ctgagctatt ccagaagtag tgaggaggct tttttggagg 420

cctaggcttt tgcaaaaagc ttggcattcc ggtactgttg gtaaagccac cc 472

<210> 72
<211> 51
<212> DNA
<213> Artificial Sequence

<220>
<223> HMH hybrid

<400> 72
actgtacttt cctgaccctg gcacagtgcc accatggact ttcctgaacc a 51

<210> 73
<211> 51
<212> DNA
<213> Artificial Sequence

<220>
<223> HMM hybrid

<400> 73
actgtacttt cctgaccctg gcacagtgcc accatcaact tgcctgacac c 51

<210> 74
<211> 51
<212> DNA
<213> Artificial Sequence

<220>

<223> MHM hybrid

<400> 74
tctgtacttt cctgaccttg aagaggtggc accatcaact tgcctgacac c 51

<210> 75
<211> 51
<212> DNA
<213> Artificial Sequence

<220>
<223> MHH hybrid

<400> 75
tctgtacttt cctgaccttg aagaggtggc agcatggact ttcctgaacc a 51

<210> 76
<211> 101
<212> DNA
<213> Artificial Sequence

<220>
<223> 2x mouse PBREM CREs

<220>
<221> misc_feature
<222> (51)..(52)
<223> optional spacer

<400> 76
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cctgaccttg gcacagtgcc accatcaact tgcctgacac c 101

<210> 77
<211> 204
<212> DNA
<213> Artificial Sequence

<220>
<223> 3x mouse PBREM CREs

<220>
<221> misc_feature

<222> (51)..(52)
<223> optional spacer

<220>
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<222> (102)..(103)
<223> optional spacer

<220>
<221> misc_feature
<222> (153)..(154)
<223> optional spacer

<400> 77
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tcctgacctt ggcacagtgc caccatcaac ttgcctgaca cctctgtact ttcctgacct 120

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gccaccatca acttgcctga cacc 204

<210> 78
<211> 101
<212> DNA
<213> Artificial Sequence

<220>
<223> 2x MHM hybrids CREs

<220>
<221> misc_feature
<222> (50)..(51)
<223> optional spacer

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cctgaccttg aagaggtggc accatcaact tgcctgacac c 101

<210> 79
<211> 102
<212> DNA
<213> Artificial Sequence

<220>

<223> 2x human PBREM CREs

<220>
<221> misc_feature
<222> (51)..(52)
<223> optional spacer

<400> 79
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tcctgaccct gaagaggtgg cagcatggac tttcctgaac ca   102

<210> 80
<211> 153
<212> DNA
<213> Artificial Sequence

<220>
<223> 3x human PBREM CREs

<220>
<221> misc_feature
<222> (51)..(52)
<223> optional spacer

<220>
<221> misc_feature
<222> (102)..(103)
<223> optional spacer

<400> 80
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tcctgaccct gaagaggtgg cagcatggac tttcctgaac caactgtact ttcctgaccc 120

tgaagaggtg gcagcatgga ctttcctgaa cca   153

<210> 81
<211> 122
<212> DNA
<213> Artificial Sequence

<220>
<223> 2x mouse PBREM CREs

<400> 81
tctgtacttt cctgaccttg gcacagtgcc accatcaact tgcctgacac ccattactcg 60

catccattct ctctgtactt tcctgacctt ggcacagtgc caccatcaac ttgcctgaca 120

cc 122

<210> 82
<211> 264
<212> DNA
<213> Artificial Sequence

<220>
<223> 3x mouse PBREM

<400> 82
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catccattct ctctgtactt tcctgacctt ggcacagtgc caccatcaac ttgcctgaca 120

ccgcactgaa ggtcctcaat cgtctgtact ttcctgacct tggcacagtg ccaccatcaa 180

cttgcctgac accctgacct cctgccagca atatctgtac tttcctgacc ttggcacagt 240

gccaccatca acttgcctga cacc 264

<210> 83
<211> 121
<212> DNA
<213> Artificial Sequence

<220>
<223> 2x MHM hybrids

<400> 83
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atccattctc tctgtacttt cctgaccttg aagaggtggc accatcaact tgcctgacac 120

c 121

<210> 84
<211> 122
<212> DNA
<213> Artificial Sequence

<220>
<223> 2x human PBREM

<400> 84
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catccattct cactgtactt tcctgaccct gaagaggtgg cagcatggac tttcctgaac 120

ca 122

<210> 85
<211> 193
<212> DNA
<213> Artificial Sequence

<220>
<223> 3x human PBREM

<400> 85
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catccattct cactgtactt tcctgaccct gaagaggtgg cagcatggac tttcctgaac 120

cagcactgaa ggtcctcaat cgactgtact ttcctgaccc tgaagaggtg gcagcatgga 180

ctttcctgaa cca 193

<210> 86
<211> 18
<212> DNA
<213> Mus musculus

<400> 86
tctgtacttt cctgacct 18

<210> 87
<211> 18
<212> DNA
<213> Homo sapiens

<400> 87
actgtacttt cctgaccc 18

<210> 88
<211> 16

<212> DNA
<213> Mus musculus

<400> 88
tggcacagtg ccacca 16

<210> 89
<211> 16
<212> DNA
<213> Homo sapiens

<400> 89
tgaagaggtg gcagca 16

<210> 90
<211> 17
<212> DNA
<213> Mus musculus

<400> 90
tcaacttgcc tgacacc 17

<210> 91
<211> 17
<212> DNA
<213> Homo sapiens

<400> 91
tggactttcc tgaacca 17