

FIG. 1

1 50
ATGTCTTTCG TTAAGGACTT CAAGCCGCAG GCACTGGGCG ACACCAACCT
(SEQ ID NO:1)
ATGCCTTTCG TTAAGGACTT CAAGCCGCAG GCACTGGGCG ACACCAACCT
(SEQ ID NO:3)
ATGCCTTTCG TTAAGGGCTT CGAGCCGATT TCACTGCGCG ACACCAACCT
(SEQ ID NO:5)

51 100
GTTCAAACCT ATTAAAATTG GGAACAACGA GCTGCTGCAT CGCGCGGTAA

GTTCAAACCT ATTAAAATTG GGAACAACGA GCTGCTGCAT CGCGCGGTAA

GTTCGAACCT ATTAAAATTG GGAACACACA GCTGGCTCAT CGCGCGGTAA

101 150
TTCCTCCGCT GACCCGCATG CGCGCTCTGC ATCCGGGCAA CATTCCGAAC

TTCCTCCGCT GACCCGCATG CGCGCTCAGC ATCCGGGCAA CATTCCGAAC

TGCCTCCGCT GACCCGCATG CGCGCTACCC ATCCGGGCAA CATTCCGAAC

151 200
CGTGATTGGG CTGTGGAATA CTACACCCAG CGTGCACAGC GTCCGGGGAC

CGTGATTGGG CTGTGGAATA CTACGCCCAG CGTGCACAGC GTCCGGGGAC

AAGGAGTGGG CTGCGGTTTA CTACGGCCAG CGTGCACAGC GTCCGGGGAC

201 250
AATGATTATC ACGGAGGGTG CGTTCATCAG CCCGCAGGCA GGTGGGTACG

ACTGATTATC ACGGAGGGTA CGTTCCCTAG CCCGCAGTCA GGTGGGTACG

AATGATTATC ACGGAGGGTA CGTTCATCAG CCCGCAGGCA GGTGGGTACG

FIGURE 2A

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251                                                          300
ATAACGCGCC TGGTGTTTGG TCAGAAGAAC AGATGGTCGA ATGGACGAAA

ATAACGCGCC TGGTATTTGG TCAGAAGAAC AGATTAAAGA ATGGACGAAA

ATAACGCGCC TGGTATTTGG TCAGACGAAC AGGTTGCCGA ATGGAAGAAC

301                                                          350
ATCTTCAACG CTATTCATGA AAAAAAGTCA TTTGTGTGGG TGCAACTGTG

ATCTTCAAGG CTATTCATGA AAATAAGTCA TTTGCGTGGG TGCAACTGTG

ATCTTCCTGG CTATTCATGA CTGTCAGTCA TTTGCGTGGG TGCAACTGTG

351                                                          400
GGTCCTGGGC TGGGCCGCCT TTCCGGATAA CCTGGCGCGT GATGGGTTAC

GGTCCTGGGC TGGGCCGCCT TTCCGGATAC GCTGGCGCGT GATGGGTTAC

GAGCCTGGGC TGGGCCTCCT TTCCGGATGT GCTGGCGCGT GATGGGTTAC

401                                                          450
GTTACGATTC TGCCTCCGAT AATGTGTTTA TGGATGCGGA ACAGGAGGCA

GTTACGATTC TGCCTCCGAT AATGTGTATA TGAATGCGGA ACAGGAGGAA

GTTACGATTG TGCCTCCGAT CGTGTGTATA TGAATGCGAC ACTGCAGGAA

451                                                          500
AAAGCGAAAA AAGCTAACAA TCCGCAACAT AGCTTGACTA AAGACGAAAT

AAAGCGAAAA AAGCTAACAA TCCGCAACAT AGCATTACTA AAGACGAAAT

AAAGCGAAAG ATGCTAACAA TCTGGAACAT AGCTTGACTA AAGACGATAT
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FIGURE 2B

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501                                                          550
TAAACAATAT ATCAAAGAAT ATGTTCAGGC AGCTAAGAAC TCGATCGCTG

TAAACAATAT GTCAAAGAAT ATGTTCAGGC AGCTAAGAAC TCGATCGCTG

TAAACAATAT ATCAAAGATT ATATTCATGC AGCTAAGAAC TCGATCGCTG

551                                                          600
CGGGTGCGGA CGGCGTGGAA ATTCACTCAG CCAACGGTTA TCTGTTAAAT

CGGGTGCGGA CGGCGTGGAA ATTCACTCAG CCAACGGTTA TCTGTTAAAT

CGGGTGCGGA CGGCGTGGAA ATTCACTCAG CCAACGGTTA TCTGTTAAAT

601                                                          650
CAGTTCCTGG ATCCGCACAG CAACACACGC ACCGATGAGT ATGGGGGCTC

CAGTTCCTGG ATCCGCACAG CAACAACCGC ACCGATGAGT ATGGGGGCTC

CAGTTCCTGG ATCCGCACAG CAACAAACGC ACCGATGAGT ATGGGGGCAC

651                                                          700
AATTGAAAAT CGTGCACGTT TTACTCTGGA AGTCGTTGAC GCGCTGGTTG

AATTGAAAAT CGTGCACGTT TTACTCTGGA AGTCGTTGAC GCGGTGGTTG

AATTGAAAAT CGTGCACGTT TTACTCTGGA AGTCGTTGAC GCGCTGATTG

701                                                          750
AGGCCATCGG CCATGAAAAA GTGGGTTTAC GTCTGAGTCC GTACGGCGTT

ATGCCATCGG CCCAGAAAAA GTGGGTTTAC GTCTGAGTCC GTACGGCGTT

AGACCATCGG CCCAGAACGC GTGGGTTTAC GTCTGAGTCC GTACGGCACT
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FIGURE 2C

751 800
TTCAACTCTA TGTCGGGCGG CGCGGAAACG GGCATTGTTG CTCAGTATGC

TTCAACTCTA TGTCGGGCGG CGCGGAAACG GGCATTGTTG CTCAGTATGC

TTCAACTCTA TGTCGGGCGG CGCGGAACCG GGCATTATTG CTCAGTATAG

801 850
CTATGTCGCG GGTGAGCTGG AGAAACGCGC CAAGGCGGGG AAACGCCTGG

CTATGTCCTG GGTGAGCTGG AGCGTCGCGC CAAGGCGGGG AAACGCCTGG

CTATGTCCTG GGTGAGCTGG AGAAACGCGC CAAGGCGGGG AAACGCCTGG

851 900
CGTTTGTTCA TTTAGTCGAA CCACGCGTGA CAAACCCTTT TCTGACTGAG

CGTTTGTTCA TTTAGTCGAA CCACGCGTGA CAAACCCTTT TCTGACTGAG

CGTTTGTTCA TTTAGTCGAA CCACGCGTGA CAGACCCTTC TCTGGTTGAG

901 950
GGGGAGGGCG AATACGAAGG GGGCAGCAAC GATTTTGTTT ATTCCATTTG

GGGGAGGGCG AATACAACGG GGGCAGCAAC AAATTTGCTT ATTCCATTTG

GGGGAGGGCG AATACTCAGA GGGCACCAAC GATTTTGCTT ATTCCATTTG

951 1000
GAAAGGTCCG GTTATCCGTG CCGGCAACTT CGCACTGCAC CCTGAAGTTG

GAAAGGTCCG ATTATCCGTG CCGGCAACTT CGCACTGCAC CCTGAAGTTG

GAAAGGTCCG ATTATCCGTG CCGGCAACTA CGCACTGCAC CCTGAAGTTG

FIGURE 2D

1001 1050
TGCGCGAAGA AGTTAAGGAC AAACGCACCC TGATCGGCTA CGGCCGCTTC

TGCGCGAAGA AGTTAAGGAC CCTCGCACCC TGATCGGCTA CGGCCGCTTC

TGCGCGAACA AGTTAAGGAC CCTCGCACCC TGATCGGCTA CGGCCGCTTC

1051 1100

TTTATTTCAA ATCCAGACCT GGTTGACCGC TTAGAAAAAG GTCTGCCACT

TTTATTTCAA ATCCAGACCT GGTTGACCGC TTAGAAAAAG GTCTGCCACT

TTTATTTCAA ATCCAGACCT GGTTTACCGC TTAGAAGAAG GTCTGCCACT

1101 1150
GAACAAGTAT GACCGTGATA CGTTCTACCA GATGAGCGCG CATGGTTACA

GAACAAGTAT GACCGTGATA CGTTCTACAA AATGAGCGCG GAGGGTTACA

GAACAAGTAT GACCGTTCTA CGTTCTACAC CATGAGCGCG GAGGGTTACA

1151 1200
TCGACTACCC GACCTACGAA GAAGCCTTAA AACTGGGCTG GGACAAAAAA

TCGACTACCC GACCTACGAA GAAGCCTTAA AACTGGGCTG GGACAAAAAC

CCGACTACCC GACCTACGAA GAAGCCGTAG ATCTGGGCTG GAACAAAAAC

1201
TAATGA

TAATGA

TAATGA

FIGURE 2E