Fig. 1

SEQ ID 1

AGGGCATCATTGAGGTTTCCACAAAAGGAAGAAACATGGATCCAGAGACATCAACAGAGAGGAAAGCGGGTAGTGA
AGCCGAAGCCACAACACAGCCCGATTTGGAAGGGAGTTCACAATCAAGGTGAGTCCAGCCATTTTTTTTCTTTTTT
TTTTTTTTATTCAGGTGAACCCACCTAACTATTTTTAACTGGGATCCAGTGAGCTCGCTGGGTGAAAGCCAACCAT
CTTTTGTTTCGGGGAACCGTGCTCGCCCCGTAAAGTTAATTTTTTTTTCCCGCGCAGCTTTAATCTTTCGGCAGAG
AAGGCGTTTTCATCGTAGCGTGGGAACAGAATAATCAGTTCATGTGCTATACAGGCACATGGCAGCAGTCACTATT
TTGCTTTTTAACCTTAAAGTCGTTCATCAATCATTAACTGACCAATCAGATTTTTTGCATTTGCCACTTATCTAAA
AATACTTTTGTATCTCGCAGATACGTTCAGTGGTTTCCAGGACAACACCCAAAAAAAGGTATCAATGCCACTAGGC
AGTCGGTTTTATTTTTGGTCACCCACGCAAAGAAGCACCCACCTCTTTTAGGTTTTAAGTTGTGGGAACAGTAACA
CCGCCTAGAGCTTCAGGAAAAACCAGTACCTGTGACCGCAATTCACCATGATGCAGAATGTTAATTTAAACGAGTG
CCAAATCAAGATTTCAACAGACAAATCAATCGATCCATAGTTACCCATTCCAGCCTTTTCGTCGTCGAGCCTGCTT
CATTCCTGCCTCAGGTGCATAACTTTGCATGAAAAGTCCAGATTAGGGCAGATTTTGAGTTTAAAATAGGAAATAT
AAACAAATATACCGCGAAAAAGGTTTGTTTATAGCTTTTCGCCTGGTGCCGTACGGTATAAATACATACTCTCCTC
CCCCCCCTGGTTCTCTTTTTCTTTTGTTACTTACATTTTACCGTTCCGTCACTCGCTTCACTCAACAACAAAA

SEQ ID 2

GATAGTTCTAGAAGACCTGGCGTCGCTGGTCAACTACTCGTTTCACAAGTTGACAAAGACTTTTACCAAGAGAAGA
GCAGTTGTCACCGACCACAATAACAACCTGGAAGCCGAGAAAAAACTTGGAATCTCCAAGGTGAGACTGCCTAGAA
ATCCGTACTCTGCGGCCGATCGAAGACTGCATTTCCTCCAAGAATTGATGCTCATGGTCTCATCTTACAATCGCAC
ACACAACAGTGTCAGTCTTCTTTGCGGTCCCTTGAACACAACCAACCGAAAGGTGGGGAAGTCTAATGTCACGCAA
ACGATATTGCAACCAATGTTGGGCTCTACTGGCGTCTGGCTGCATCAAATAGCTGATCGGTTCGTAATCTTCAAAG
ATTGGTGTAGGACGAACGAGTCTGCTGGGCTACAAGTTTTGCCCCATATCGCTGTTCAAGCCAACCCGCGGAATCC
CAAAACACCCCATCCGACAAAAGTTGTTGTTTTCAGCAGATCTAGGGAGGGCATCATTGAGGTTTCCACAAAAGGA
AGAAACATGGATCCAGAGACATCAACAGAGAGGAAAGCGGGTAGTGAAGCCGAAGCCACAACACAGCCCGATTTGG
AAGGGAGTTCACAATCAAGGTGAGTCCAGCCATTTTTTTTCTTTTTTTTTTTTTTATTCAGGTGAACCCACCTAAC
TATTTTTAACTGGGATCCAGTGAGCTCGCTGGGTGAAAGCCAACCATCTTTTGTTTCGGGGAACCGTGCTCGCCCC
GTAAAGTTAATTTTTTTTTCCCGCGCAGCTTTAATCTTTCGGCAGAGAAGGCGTTTTCATCGTAGCGTGGGAACAG
AATAATCAGTTCATGTGCTATACAGGCACATGGCAGCAGTCACTATTTTGCTTTTTAACCTTAAAGTCGTTCATCA
ATCATTAACTGACCAATCAGATTTTTTGCATTTGCCACTTATCTAAAAATACTTTTGTATCTCGCAGATACGTTCA
GTGGTTTCCAGGACAACACCCAAAAAAAGGTATCAATGCCACTAGGCAGTCGGTTTTATTTTTGGTCACCCACGCA
AAGAAGCACCCACCTCTTTTAGGTTTTAAGTTGTGGGAACAGTAACACCGCCTAGAGCTTCAGGAAAAACCAGTAC
CTGTGACCGCAATTCACCATGATGCAGAATGTTAATTTAAACGAGTGCCAAATCAAGATTTCAACAGACAAATCAA
TCGATCCATAGTTACCCATTCCAGCCTTTTCGTCGTCGAGCCTGCTTCATTCCTGCCTCAGGTGCATAACTTTGCA
TGAAAAGTCCAGATTAGGGCAGATTTTGAGTTTAAAATAGGAAATATAAACAAATATACCGCGAAAAAGGTTTGTT
TATAGCTTTTCGCCTGGTGCCGTACGGTATAAATACATACTCTCCTCCCCCCCCTGGTTCTCTTTTTCTTTTGTTA
CTTACATTTTACCGTTCCGTCACTCGCTTCACTCAACAACAAAA

SEQ ID 3

AGCCAACCATCTTTTGTTTCGGGGAACCGTGCTCGCCCCGTAAAGTTAATTTTTTTTTCCCGCGCAGCTTTAATCT
TTCGGCAGAGAAGGCGTTTTCATCGTAGCGTGGGAACAGAATAATCAGTTCATGTGCTATACAGGCACATGGCAGC
AGTCACTATTTTGCTTTTTAACCTTAAAGTCGTTCATCAATCATTAACTGACCAATCAGATTTTTTGCATTTGCCA
CTTATCTAAAAATACTTTTGTATCTCGCAGATACGTTCAGTGGTTTCCAGGACAACACCCAAAAAAAGGTATCAAT
GCCACTAGGCAGTCGGTTTTATTTTTGGTCACCCACGCAAAGAAGCACCCACCTCTTTTAGGTTTTAAGTTGTGGG
AACAGTAACACCGCCTAGAGCTTCAGGAAAAACCAGTACCTGTGACCGCAATTCACCATGATGCAGAATGTTAATT
TAAACGAGTGCCAAATCAAGATTTCAACAGACAAATCAATCGATCCATAGTTACCCATTCCAGCCTTTTCGTCGTC
GAGCCTGCTTCATTCCTGCCTCAGGTGCATAACTTTGCATGAAAAGTCCAGATTAGGGCAGATTTTGAGTTTAAAA
TAGGAAATATAAACAAATATACCGCGAAAAAGGTTTGTTTATAGCTTTTCGCCTGGTGCCGTACGGTATAAATACA
TACTCTCCTCCCCCCCCCTGGTTCTCTTTTTCTTTTGTTACTTACATTTTACCGTTCCGTCACTCGCTTCACTCAAC
AACAAAA

SEQ ID 4

GTGGTTTCCAGGACAACACCCAAAAAAAGGTATCAATGCCACTAGGCAGTCGGTTTTATTTTTGGTCACCCACGCA
AAGAAGCACCCACCTCTTTTAGGTTTTAAGTTGTGGGAACAGTAACACCGCCTAGAGCTTCAGGAAAAACCAGTAC
CTGTGACCGCAATTCACCATGATGCAGAATGTTAATTTAAACGAGTGCCAAATCAAGATTTCAACAGACAAATCAA
TCGATCCATAGTTACCCATTCCAGCCTTTTCGTCGTCGAGCCTGCTTCATTCCTGCCTCAGGTGCATAACTTTGCA
TGAAAAGTCCAGATTAGGGCAGATTTTGAGTTTAAAATAGGAAATATAAACAAATATACCGCGAAAAAGGTTTGTT
TATAGCTTTTCGCCTGGTGCCGTACGGTATAAATACATACTCTCCTCCCCCCCCTGGTTCTCTTTTTCTTTTGTTA
CTTACATTTTACCGTTCCGTCACTCGCTTCACTCAACAACAAAA

SEQ ID 5

GACCGCAATTCACCATGATGCAGAATGTTAATTTAAACGAGTGCCAAATCAAGATTTCAACAGACAAATCAATCGA
TCCATAGTTACCCATTCCAGCCTTTTCGTCGTCGAGCCTGCTTCATTCCTGCCTCAGGTGCATAACTTTGCATGAA
AAGTCCAGATTAGGGCAGATTTTGAGTTTAAAATAGGAAATATAAACAAATATACCGCGAAAAAGGTTTGTTTATA
GCTTTTCGCCTGGTGCCGTACGGTATAAATACATACTCTCCTCCCCCCCCTGGTTCTCTTTTTCTTTTGTTACTTA
CATTTTACCGTTCCGTCACTCGCTTCACTCAACAACAAAA

SEQ ID 6

AGCCTGCTTCATTCCTGCCTCAGGTGCATAACTTTGCATGAAAAGTCCAGATTAGGGCAGATTTTGAGTTTAAAAT
AGGAAATATAAACAAATATACCGCGAAAAAGGTTTGTTTATAGCTTTTCGCCTGGTGCCGTACGGTATAAATACAT
ACTCTCCTCCCCCCCCCTGGTTCTCTTTTTCTTTTGTTACTTACATTTTACCGTTCCGTCACTCGCTTCACTCAACA
ACAAAA

SEQ ID 7

CCGCGAAAAAGGTTTGTTTATAGCTTTTCGCCTGGTGCCGTACGGTATAAATACATACTCTCCTCCCCCCCCTGGT
TCTCTTTTTCTTTTGTTACTTACATTTTACCGTTCCGTCACTCGCTTCACTCAACAACAAAA

SEQ ID 8

CATACTCTCCTCCCCCCCCTGGTTCTCTTTTTCTTTTGTTACTTACATTTTACCGTTCCGTCACTCGCTTCACTCA
ACAACAAAA

Fig. 2

SEQ ID 9

ATGCAATTCTCTATCGTCGCTACTTTGGCTCTTGCTGGTTCCGCTCTGGCTGCTTACTCTAACGTAACTTACACTT
ACGAGACTACCATCACCGATGTTGTCACCGAGCTCACCACTTACTGCCCAGAGCCAACCACCTTCGTTCACAAGAA
CAAGACCATCACTGTGACCGCCCCAACCACTTTGACCATCACTGACTGTCCTTGCACCATCTCCAAGACCACCAAG
ATCACCACTGATGTTCCACCAACCACCCACTCCACCCCACACACCACCACCACTCACGTGCCATCTACCTCTACCC
CAGCTCCAACCCACTCTGTTTCTACCATCTCTCACGGTGGTGCTGCTAAGGCTGGTGTTGCTGGTTTGGCCGGTGT
TGCTGCTGCCGCTGCTTACTTCTTGTAA

SEQ ID 10

MQFSIVATLALAGSALAAYSNVTYTYETTITDVVTELTTYCPEPTTFVHKNKTITVTAPTTLTITDCPCTISKTTK
ITTDVPPTTHSTPHTTTTHVPSTSTPAPTHSVSTISHGGAAKAGVAGLAGVAAAAAYFL

SEQ ID 11

ATGCAATTCTCTATCGTCGCTACTTTGGCTCTTGCTGGTTCCGCTCTGGCTGCTTACTCTAACG
TAACTTACACTTACGAGACTACCATCACCGATGTTGTCACTGAGTTGACCACTTACTGCCCAGA
GCCAACCACCTTTGTTTACAAGAACAAGACCATCACCGTGACTGAGCCAACCACTTTGACCATC
ACTGACTGCCCATGCACCATCTCAAAGACCACCAAGATCACCACTGATGTTCCACCAACCACCC
ACGTCACCCCATCCACCACTCACGTGCCATCTACCTCTACCCCAGCTCCAACCCACTCTGTTTC
TACCATCTCTCACGGTGGTGCTGCTAAGGCTGGTGTTGCTGGTTTGGCCGGTGTTGCTGCTGCC
GCTGCTTACTTCTTGTAA

SEQ ID 12

MQFSIVATLALAGSALAAYSNVTYTYETTITDVVTELTTYCPEPTTFVYKNKTITVTEPTTLTITDCPCTISKTTK
ITTDVPPTTHVTPSTTHVPSTSTPAPTHSVSTISHGGAAKAGVAGLAGVAAAAAYFL

Fig. 3

SEQ ID 13

CTTTTTTGTAGAAATGTCTTGGTGTCCTCGTCCAATCAGGTAGCCATCTCTGAAATATCTGGCT
CCGTTGCAACTCCGAACGACCTGCTGGCAACGTAAAATTCTCCGGGGTAAAACTTAAATGTGGA
GTAATGGAACCAGAAACGTCTCTTCCCTTCTCTCTCCTTCCACCGCCCGTTACCGTCCCTAGGA
AATTTTACTCTGCTGGAGAGCTTCTTCTACGGCCCCCTTGCAGCAATGCTCTTCCCAGCATTAC
GTTGCGGGTAAAACGGAGGTCGTGTACCCGACCTAGCAGCCCAGGGATGGAAAAGTCCCGGCCG
TCGCTGGCAATAATAGCGGGCGGACGCATGTCATGAGATTATTGGAAACCACCAGAATCGAATA
TAAAAGGCGAACACCTTTCCCAATTTTGGTTTCTCCTGACCCAAAGACTTTAAATTTAATTTAT
TTGTCCCTATTTCAATCAATTGAACAACTATCACCTGCAGGCC