Supplementary Information for

iMiRNA-SSF: Improving the Identification of MicroRNA Precursors by Combining Negative Sets with Different Distributions

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Supplementary S1. The benchmark dataset S contains 4666 sequences, which are classified into subset S^+ with 1612 Human pre-microRNAs (positive samples) and subset S^- with 1612 Xue pseudo miRNAs and 1442 Zou pseudo miRNAs (negative samples).

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(1). 1612 Human pre-microRNAs

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UUCCUUUCUGCCU
>hsa-mir-8088 MI0025924
GGGAGGAGGGCCUCGGUACUGGAAAGGGGUAUGGAUUCUGUUGUUUUGGCAACAUUCUUCUUAUC
GGCACUGGGUCACUCAGCUCA
>hsa-mir-8089 MI0025925
AAGGAGCACUCACUCCAAUUUCCCUGGACUGGGGGCAGGCUGCCACCUCCUGGGGACAGGGGAUU
GGGGCAGGAUGUUCCAG
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(2). 1612 Xue pseudo miRNAs

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>random_seq_from_cds__NO_6 RANDOM_LENGTH 97  SEQ_LENGTH    84
   GC_CONTENT    0.702380952380952    BASEPAIR  31  FREE_ENERGY
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    -44.90 LEN_BP_RATIO  2.70967741935484
GAGGGCAGGGGGCACAGUCCAACUCCAGGCUUGUAGCUGUCCAGGGGCUGGGUGCCCGCCCGGCA
GCGGCAGACUGUGUCCUGUGUGGCCGUGCACA
>random_seq_from_cds__NO_16   RANDOM_LENGTH 81  SEQ_LENGTH    69
    GC_CONTENT    0.565217391304348   BASEPAIR  23  FREE_ENERGY
    -23.00 LEN_BP_RATIO  3
AAGCACCAGAGACGAACAGUCUGGUGUCAGGAGCAAGAGAAAGGCUCAUGACAUCUCCAGUGUGU
CCGGUAAACGUGGUCG
>random_seq_from_cds__NO_21   RANDOM_LENGTH 110 SEQ_LENGTH    99
    GC_CONTENT    0.565656565656566   BASEPAIR  29  FREE_ENERGY
    -28.75 LEN_BP_RATIO  3.41379310344828
AUGGCGUAGAUCUUGGCCAGGUGCCCCCGCAGUGUCCUCCUCGUGCGCAUUUGGAUUCUUCCCAC
UGGGUCGAUGUUGUUUGUGAUCCUGAGAGAGAGUUGCAUCUGCAC
>random_seq_from_cds__NO_41   RANDOM_LENGTH 96  SEQ_LENGTH    83
    GC_CONTENT    0.746987951807229   BASEPAIR  30  FREE_ENERGY
    -39.40 LEN_BP_RATIO  2.76666666666667
CCACCAGAUCCGCGCCACGCUCCCGCACCAGUGCGGCCAGCCCCUUAUCCAGGCGGCCUGAGGUC
GAGGCACGGGGAGCUGGAGCCCGUCUGCACC
>random_seq_from_cds__NO_44   RANDOM_LENGTH 86  SEQ_LENGTH    75
    GC_CONTENT    0.453333333333333   BASEPAIR  26  FREE_ENERGY
    -24.44 LEN_BP_RATIO  2.88461538461538
CAAAGGGGAAGACUCCCAAAAUGAUGUCUAUUCCACUGUUAUCUGCGAAAAUUAAGGCACAUUUA
UGAGGGGGCCCCCUUUAAUCU
>random_seq_from_cds__NO_49   RANDOM_LENGTH 110 SEQ_LENGTH    104
    GC_CONTENT    0.625  BASEPAIR  34  FREE_ENERGY   -40.10
    LEN_BP_RATIO  3.05882352941176
GGGUCCCAUAGGCGCAAGGGCUGCUGCCUCAGGGUCUGAAGCUUGUUCCAGUACUUCUGCCGGAA
CUUCUCCGCCCUCUCGGCUGCAUCCACAGAGUCUGGCUGGCUCGC
>random_seq_from_cds__NO_65   RANDOM_LENGTH 75  SEQ_LENGTH    58
    GC_CONTENT    0.568965517241379   BASEPAIR  21  FREE_ENERGY
    -21.60 LEN_BP_RATIO  2.76190476190476
UUGGCGACUUUGUGCUGUACCGUUGAAUAGUAGGCCAGCUUGGUUAACGACCCGCCCUAUGUCGA
UGGCGAAGCG
>random_seq_from_cds__NO_71   RANDOM_LENGTH 89  SEQ_LENGTH    73
    GC_CONTENT    0.616438356164384   BASEPAIR  29  FREE_ENERGY
    -35.10 LEN_BP_RATIO  2.51724137931034
CACCUUGGUCUGGUGCUGACAUUCCUCCAGGGUCCCAUUGGGAGAGAAGGUCCCCGGGGGGCAGU
UCUGACACAGGGUGUCCUGACUCU
>random_seq_from_cds__NO_76   RANDOM_LENGTH 78  SEQ_LENGTH    64
    GC_CONTENT    0.671875  BASEPAIR  22  FREE_ENERGY   -26.30
    LEN_BP_RATIO  2.90909090909091
AGGACGGCAGAGCUGGGGCGUAGCAGGGGGCUCCCAGGAAGGUGAGAUACAGCACCCAGCCUCAA
GACGUCGGUUUUG
>random_seq_from_cds__NO_80   RANDOM_LENGTH 70  SEQ_LENGTH    61
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   GC_CONTENT    0.573770491803279   BASEPAIR  23  FREE_ENERGY
   -19.90 LEN_BP_RATIO  2.65217391304348
GCAUAGUUGAUGAAGAAGAGCUGCUCAUGGGUGAGAUCCAGGCCGGGCAGCUGCUGGUCCUUGCC
ACCCU
>random_seq_from_cds__NO_86   RANDOM_LENGTH 84  SEQ_LENGTH    75
   GC_CONTENT    0.546666666666667   BASEPAIR  25  FREE_ENERGY
   -23.10 LEN_BP_RATIO  3
GCGCCCACCUUGAGGUUCUGCAGACUGUUCUCAAAGUACAGGUCCUCUGAGAAGUUCAGCAUUGG
AGUACUCCUCGUCCAGGCG
>random_seq_from_cds__NO_93   RANDOM_LENGTH 77  SEQ_LENGTH    57
   GC_CONTENT    0.56140350877193 BASEPAIR  20  FREE_ENERGY
   -15.80 LEN_BP_RATIO  2.85
AGAGUCCAGUUAAAUCCCCUUCAGGCCAAACUGGCUUUGCAGCUCCUCCAGUCCCAUCCGGUGGU
ACAAGGCGAUGA
>random_seq_from_cds__NO_112  RANDOM_LENGTH 110 SEQ_LENGTH    94
   GC_CONTENT    0.542553191489362   BASEPAIR  34  FREE_ENERGY
   -32.91 LEN_BP_RATIO  2.76470588235294
UUCAGCAAGGUCAAGGUCCCUCCCACUGAUCUCUGCCUCCCGGUGGCUGCUGAAGCGCGGAGAGC
UGUUCUUAGUGGAAGAAACCGGACUUUUUCGAAAAAUUGCCAGCC
>random_seq_from_cds__NO_117  RANDOM_LENGTH 88  SEQ_LENGTH    79
   GC_CONTENT    0.683544303797468   BASEPAIR  27  FREE_ENERGY
   -27.20 LEN_BP_RATIO  2.92592592592593
GCAGGCGGACGUGGUCCUGGUUCUGCAGCAGGAGGAUGGGGUGGCUCUAUGGCGAGAGGCUCCGG
GACGGAGAGACGGGAUGGUUCCC
>random_seq_from_cds__NO_129  RANDOM_LENGTH 94  SEQ_LENGTH    61
   GC_CONTENT    0.655737704918033   BASEPAIR  22  FREE_ENERGY
   -23.60 LEN_BP_RATIO  2.77272727272727
AUGCUCACGUAAUCUUUGCAGUCGCGCCGUUCUGCCAGCGCCAUGUAGCGGCCGUCCCUGGUGAA
GGUGAUUCCCCUGCAGACAAGCUUUCGGG
>random_seq_from_cds__NO_130  RANDOM_LENGTH 85  SEQ_LENGTH    75
   GC_CONTENT    0.453333333333333   BASEPAIR  26  FREE_ENERGY
   -22.10 LEN_BP_RATIO  2.88461538461538
UAUUUGAUGUAAGACACGGAUUUUGUGCACAAGGACCAGACGGUUAUCCGCAGCAUGGAAUUCCG
UGGUGUUGAGAAUGUGGCGC
>random_seq_from_cds__NO_132  RANDOM_LENGTH 110 SEQ_LENGTH    106
   GC_CONTENT    0.575471698113208   BASEPAIR  37  FREE_ENERGY
   -32.90 LEN_BP_RATIO  2.86486486486486
CCUGCACCAGCCCUCGCUUGUACAUGGCGCACAGGAUGAAGAGCGAGUCUGCCGACCACUCGAUG
UGCUGGAUCUGGUCUAGGCACGUGUACAGCUGAAGGAUCUGAAGG
>random_seq_from_cds__NO_135  RANDOM_LENGTH 72  SEQ_LENGTH    67
   GC_CONTENT    0.701492537313433   BASEPAIR  23  FREE_ENERGY
   -26.40 LEN_BP_RATIO  2.91304347826087
UUCGGCGUGGCUGGCCGGAGCUGCCAGGAGGUGCUGCGCAAGGGCUGUCUCCGCUUCCAGGCUCC
CUGAGCG
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>random_seq_from_cds__NO_140  RANDOM_LENGTH 89  SEQ_LENGTH    80
    GC_CONTENT    0.5875 BASEPAIR  29  FREE_ENERGY   -31.00
    LEN_BP_RATIO  2.75862068965517
UGGAGUCCCGAUUUCAGAGCAAGUCUGGCUAUCUGAGAUACAGCUGUGAGAGCCGGAUCCGGAGU
UACCUGAGGGAGGGUGAGCUCCUA
>random_seq_from_cds__NO_149  RANDOM_LENGTH 71  SEQ_LENGTH    49
    GC_CONTENT    0.693877551020408   BASEPAIR  20  FREE_ENERGY
    -28.50 LEN_BP_RATIO  2.45
CGGAGAGUGUCCCUGGCUCUCUCGCAGGGGCAGGCGGGGUCACAGAGGAUGCUCCCGGAGAGAGG
UCGGCU
>random_seq_from_cds__NO_153  RANDOM_LENGTH 70  SEQ_LENGTH    53
    GC_CONTENT    0.566037735849057   BASEPAIR  19  FREE_ENERGY
    -17.70 LEN_BP_RATIO  2.78947368421053
UGCAUAUGUCACAGGUCCUUUGUCCACCUGCGCUGGAGAAACUAUUUGGAGGACAGGGACUGCAA
AUCUG
>random_seq_from_cds__NO_159  RANDOM_LENGTH 90  SEQ_LENGTH    71
    GC_CONTENT    0.577464788732394   BASEPAIR  24  FREE_ENERGY
    -30.30 LEN_BP_RATIO  2.95833333333333
UCACGGCCUUGGCGAUCCUCUUUGGGUUGGUCACUGUGAGAUCAUCCCCCACUACCUGGAUUCCU
GCACUGGCUGUGAACUUCUGCCAAG
>random_seq_from_cds__NO_187  RANDOM_LENGTH 77  SEQ_LENGTH    58
    GC_CONTENT    0.551724137931034   BASEPAIR  22  FREE_ENERGY
    -20.90 LEN_BP_RATIO  2.63636363636364
ACGGCCAUGACACUGUCCUUGUGCUCUCGCAGCACCUCCAUCACUGUGUGGCAUGUGAUUCUGUA
GUUGCCAUCCAG
>random_seq_from_cds__NO_196  RANDOM_LENGTH 97  SEQ_LENGTH    76
    GC_CONTENT    0.565789473684211   BASEPAIR  28  FREE_ENERGY
    -35.40 LEN_BP_RATIO  2.71428571428571
UGCAAAGACGGUGCUAUGGACUGAAUGCGAAUGAUUGGCUGGUUGGGGUCAUAUGUUCCUGGCAC
AGCCAAUUCAAGGUCCCGGCACAUCAGAAGUU
>random_seq_from_cds__NO_197  RANDOM_LENGTH 70  SEQ_LENGTH    56
    GC_CONTENT    0.517857142857143   BASEPAIR  21  FREE_ENERGY
    -18.80 LEN_BP_RATIO  2.66666666666667
UUGGGGAAACAUAUUGCAGCUCUAAGGAUGUGAGCCUGAGGCAGCUGCUUUGAGAUUCGUCGGAA
CACAU
>random_seq_from_cds__NO_198  RANDOM_LENGTH 84  SEQ_LENGTH    78
    GC_CONTENT    0.487179487179487   BASEPAIR  31  FREE_ENERGY
    -28.00 LEN_BP_RATIO  2.51612903225806
GAUAAUAGAGGUCCCAGGCUUGGGUGAGGUCCUUGACAUUCCCUGAUUUCAUGUACUUCCUGCAC
CACUCUUGGGCCUCCAUUA
>random_seq_from_cds__NO_204  RANDOM_LENGTH 68  SEQ_LENGTH    46
    GC_CONTENT    0.5 BASEPAIR  20  FREE_ENERGY   -20.12 LEN_BP_RATIO
    2.3
UAGCCAGGUAUCAAUCUGGAUGGCUUUCACCCCCUCCACUAAGGCCUCAUUGACAUCUGGCCAGU
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GAC
>random_seq_from_cds__NO_207  RANDOM_LENGTH 80  SEQ_LENGTH    74
    GC_CONTENT    0.716216216216216   BASEPAIR  24  FREE_ENERGY
    -31.00 LEN_BP_RATIO  3.08333333333333
CCCUCGGUGCUGGCAGUGGUGGUGGCAGUGGCGGCCGUGGUGGCGGCAGUGGUGGCGUUGGUGAU
GUUGGCCCCGCUGGC
>random_seq_from_cds__NO_219  RANDOM_LENGTH 82  SEQ_LENGTH    74
    GC_CONTENT    0.581081081081081   BASEPAIR  22  FREE_ENERGY
    -26.45 LEN_BP_RATIO  3.36363636363636
UUGGCUUGGGUCUCAUCAUUAACCAGGGUCCACUUUUCACAGCACUGCUGGUGGAGUUGACCCCC
AUUCCCCCAAGGCCUCG
>random_seq_from_cds__NO_222  RANDOM_LENGTH 78  SEQ_LENGTH    64
    GC_CONTENT    0.578125  BASEPAIR  22  FREE_ENERGY   -28.20
    LEN_BP_RATIO  2.90909090909091
CCGGCCGCUGCCUCCGGCUGCUGUAGCUUAUUAUUAAUGCCUGAUGAGAGAUUCUAGAAUGGCAG
GGGUGGGGCCUUU
>random_seq_from_cds__NO_239  RANDOM_LENGTH 90  SEQ_LENGTH    72
    GC_CONTENT    0.458333333333333   BASEPAIR  29  FREE_ENERGY
    -26.90 LEN_BP_RATIO  2.48275862068966
GGUAGAACUCAUCCAGAGGCAAGUUUCCCAUGUUGACCAGCAUUUCACUAGUGCUAUAGUCAGCA
GGAAUCCUGACUUGACUUGGAUUCU
>random_seq_from_cds__NO_242  RANDOM_LENGTH 87  SEQ_LENGTH    75
    GC_CONTENT    0.586666666666667   BASEPAIR  27  FREE_ENERGY
    -29.50 LEN_BP_RATIO  2.77777777777778
AAGUAGGGUACUUCCUGUAGGGCUCUACUACAUAGCCAGUGCUGGCCACCAACUGUCCCAGGGUC
CACAGAGCCACCCUGCCUUUUG
>random_seq_from_cds__NO_256  RANDOM_LENGTH 82  SEQ_LENGTH    62
    GC_CONTENT    0.564516129032258   BASEPAIR  23  FREE_ENERGY
    -21.14 LEN_BP_RATIO  2.69565217391304
UUGCUCGAGCCAGCAUGCUGAUGCAAGUGAAGACUGUGGCAUCCACCUGCAUUGCCUUCUGCCUC
CUUAUGGGCGAAGUCCU
>random_seq_from_cds__NO_261  RANDOM_LENGTH 84  SEQ_LENGTH    68
    GC_CONTENT    0.617647058823529   BASEPAIR  28  FREE_ENERGY
    -36.80 LEN_BP_RATIO  2.42857142857143
CCGGCUCUCCACCAGGGUGGACUUAGCUGGACUGGGGGAGGUCCCAAAUCCCAUGAGGCCUUGGU
GAGAGCUGUACCCCAGCAG
>random_seq_from_cds__NO_275  RANDOM_LENGTH 110 SEQ_LENGTH    99
    GC_CONTENT    0.686868686868687   BASEPAIR  35  FREE_ENERGY
    -45.30 LEN_BP_RATIO  2.82857142857143
GCUCGAAGCGGACGAAGCGGACGCCCGGCCCGUAGUCGGUGAAGGUGUGGGAGAUCCUCCAUCCA
GCCCCCGCCGUCACUGUCUUGGGGCACUGCCACCUGCCCGCUGCU
>random_seq_from_cds__NO_280  RANDOM_LENGTH 73  SEQ_LENGTH    60
    GC_CONTENT    0.6 BASEPAIR  21  FREE_ENERGY   -19.10 LEN_BP_RATIO
    2.85714285714286
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GCCUUCCAAGUCCUCCUUCCCCACACGGGUUACGCAGAAGGUUGCGGCGCCGCUUGCUCAGGAAG
UAGAACUG
>random_seq_from_cds__NO_289  RANDOM_LENGTH 97  SEQ_LENGTH    83
    GC_CONTENT    0.590361445783133   BASEPAIR  28  FREE_ENERGY
    -34.00 LEN_BP_RATIO  2.96428571428571
UUUUGUCACAUCCUACGAGAAUGUGCCUCAAGUCCCAGCUGGUGGACCUUGUAGCCGAGGGCUAC
UGGGAGGAGCUACUAGACACAUUCCGGCCGGA
>random_seq_from_cds__NO_292  RANDOM_LENGTH 78  SEQ_LENGTH    56
    GC_CONTENT    0.660714285714286   BASEPAIR  19  FREE_ENERGY
    -23.30 LEN_BP_RATIO  2.94736842105263
CCUCUUCCAGCAUGGGGGCAGGGACACCCAGUACUGGGCAGGCUGGUAUGGGCCCCGAGUCACCA
ACAGCAGCAUUGU
>random_seq_from_cds__NO_310  RANDOM_LENGTH 89  SEQ_LENGTH    84
    GC_CONTENT    0.630952380952381   BASEPAIR  27  FREE_ENERGY
    -35.40 LEN_BP_RATIO  3.11111111111111
UCCCAAUGGGCCCCAGCCCCCCAGCUGAAGGGAGCACUGGCGACUUCGCUCUUCCAGUUGGGACU
GAUUGUGGGUGUGACAGCCUUGGG
>random_seq_from_cds__NO_318  RANDOM_LENGTH 77  SEQ_LENGTH    60
    GC_CONTENT    0.516666666666667   BASEPAIR  21  FREE_ENERGY
    -20.70 LEN_BP_RATIO  2.85714285714286
UGGCCGCGUGGAAAGUGUCAAAAUUCUUCCCAAGAGGGGAUCUGAAGGAGGAGUGGCUGCCUUUG
UGGAUUUUGUGG
>random_seq_from_cds__NO_336  RANDOM_LENGTH 97  SEQ_LENGTH    82
    GC_CONTENT    0.475609756097561   BASEPAIR  25  FREE_ENERGY
    -20.92 LEN_BP_RATIO  3.28
UUUGACCGCUUAAAAGGCAUGGCCCUGGUUCUCUACAAUGAAAUUGAAUAUGCACAAGCAGCUGU
AAAAGAGACCAAAGGGAGGAAAAUCGGUGGGA
>random_seq_from_cds__NO_349  RANDOM_LENGTH 71  SEQ_LENGTH    57
    GC_CONTENT    0.491228070175439   BASEPAIR  19  FREE_ENERGY
    -16.30 LEN_BP_RATIO  3
CUGCCCUGGACCAGAAACUUCAGGUCUCUCAGACGGAGCCUGCAAAAUCUGACUUGUCUAAACUG
GAAUCA
>random_seq_from_cds__NO_351  RANDOM_LENGTH 99  SEQ_LENGTH    78
    GC_CONTENT    0.576923076923077   BASEPAIR  28  FREE_ENERGY
    -27.70 LEN_BP_RATIO  2.78571428571429
AGGAAGCACCUCAAGCCUGAGCAGCCUGCAGAUGGGGUAAGUGCUGUGGAUCUGGAGAAGCUGGA
AGCCAGGAAAAGGCGCUUUGCAGAUUCCAAUUUA
>random_seq_from_cds__NO_398  RANDOM_LENGTH 110 SEQ_LENGTH    79
    GC_CONTENT    0.443037974683544   BASEPAIR  26  FREE_ENERGY
    -17.40 LEN_BP_RATIO  3.03846153846154
CCAUUCCACUCCUCCUCAGUCAUGUACUUCUGACCUAAGCAAGAUUCCCUCCACAGAGAAUUCGU
CCCAAGAAAUCAGUGUUGAGGAAAGGACUCCAACCAAAGCAUCUG
>random_seq_from_cds__NO_410  RANDOM_LENGTH 82  SEQ_LENGTH    71
    GC_CONTENT    0.633802816901408   BASEPAIR  28  FREE_ENERGY
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    -38.70 LEN_BP_RATIO  2.53571428571429
CGGGUGCGGUUACUGCUGCAUCUGGUGGUGUAACGGCCACAACAGGCACGGUGACAAUGGCAGGG
GCAGUGAUUGCGCCGUC
>random_seq_from_cds__NO_424  RANDOM_LENGTH 80  SEQ_LENGTH    66
    GC_CONTENT    0.590909090909091    BASEPAIR  23  FREE_ENERGY
    -26.90 LEN_BP_RATIO  2.8695652173913
UCGCUCGAGCCACAGCCCCUGUGCAGUCAGAGGUACUAGUCAUGCAGUCUGAGUACCGACUGCAC
CCCUAUACUGUGCCA
>random_seq_from_cds__NO_440  RANDOM_LENGTH 110 SEQ_LENGTH    87
    GC_CONTENT    0.586206896551724    BASEPAIR  21  FREE_ENERGY
    -17.38 LEN_BP_RATIO  4.14285714285714
CAGAUCUUCCCGCCCUGUGAGUUCUCUGAGAGUCACCUGUCCCGCCUGGCCCCUGACCUCCUUGC
CAGCAUCUCCAACAUCUCUCCCCACCUCAUGAUUGUCAUUGCCUC
>random_seq_from_cds__NO_441  RANDOM_LENGTH 87  SEQ_LENGTH    74
    GC_CONTENT    0.662162162162162    BASEPAIR  27  FREE_ENERGY
    -34.90 LEN_BP_RATIO  2.74074074074074
CGUGUGAGAUGGAGGAGUUUGUGGGGCUGCGUGAAGGCUCCUCAGGGAACCCUGUGACUCUGCAG
GAGCUGUGGGGCCCCUGUCCCC
>random_seq_from_cds__NO_450  RANDOM_LENGTH 119 SEQ_LENGTH    93
    GC_CONTENT    0.602150537634409    BASEPAIR  34  FREE_ENERGY
    -37.60 LEN_BP_RATIO  2.73529411764706
AGACCAGUUUCCGGGUGGACGUUCCCUUCGACCUGCCUGAGAUCUUCUUUUUGUGGCGCUGGGG
GGGUCUCUGUGGCAUCCUGGGCAGCGCUUACCUCUUCUGUCAGCGAAUCUUCUU
>random_seq_from_cds__NO_468  RANDOM_LENGTH 110 SEQ_LENGTH    88
    GC_CONTENT    0.443181818181818    BASEPAIR  33  FREE_ENERGY
    -29.60 LEN_BP_RATIO  2.66666666666667
AGUUUCUCACGCUCUUCUAUGGACUGCAGAUACUGCUGCUUGCCUUCCUGAGAUUCAUCCUUCUU
CUUCAAAUAAGGCUCAAUGGAUUUGUACUGUGCAUAGAAGUUGCU
>random_seq_from_cds__NO_481  RANDOM_LENGTH 75  SEQ_LENGTH    62
    GC_CONTENT    0.596774193548387    BASEPAIR  21  FREE_ENERGY
    -20.50 LEN_BP_RATIO  2.95238095238095
GGUCCCAAGUGGCCCUCUCACUACCUGAUGGUCCCCGGUGGAAAGCACAACAUGGACUUCUACGU
GGAGGCCCUC
>random_seq_from_cds__NO_487  RANDOM_LENGTH 86  SEQ_LENGTH    58
    GC_CONTENT    0.672413793103448    BASEPAIR  21  FREE_ENERGY
    -27.10 LEN_BP_RATIO  2.76190476190476
UGGGAACCUGGAAGUGAGCCCCCCAGUCACAGUCAGGGGCAAGGAAUACCCGCUGGGCAGGAUUC
UCUUCGGGGACAGCUGUUAUC
>random_seq_from_cds__NO_489  RANDOM_LENGTH 77  SEQ_LENGTH    54
    GC_CONTENT    0.537037037037037    BASEPAIR  19  FREE_ENERGY
    -18.90 LEN_BP_RATIO  2.84210526315789
CCCUGUGAAGCUCUAUUCUGACUGGCUGUCCGUGGGCCACGUGGACGAGUUCCUGAGCUUUGUGC
CAGCACCCGACA
>random_seq_from_cds__NO_501  RANDOM_LENGTH 81  SEQ_LENGTH    55
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    GC_CONTENT    0.672727272727273    BASEPAIR   23  FREE_ENERGY
    -33.70 LEN_BP_RATIO  2.39130434782609
UCAGGCAGCUGGGCCUGCCCACCGCCCUCAAGAGAGGGUGUGGUGACUCUGCUGUCUGACUACGA
GGUGUGCAAGGAGGGC
>random_seq_from_cds__NO_502  RANDOM_LENGTH 87  SEQ_LENGTH    71
    GC_CONTENT    0.549295774647887    BASEPAIR   22  FREE_ENERGY
    -20.22 LEN_BP_RATIO  3.22727272727273
GAUGUGCUGACCCCAGAGCAGGCUCGCGUCCUGGAAGCUUUUUGGGUAUGAGAUGGCUGAAUUCA
AGGUGACCAUCAAAUACAUGUG
>random_seq_from_cds__NO_509  RANDOM_LENGTH 89  SEQ_LENGTH    76
    GC_CONTENT    0.460526315789474    BASEPAIR   27  FREE_ENERGY
    -18.20 LEN_BP_RATIO  2.81481481481481
UCCAGCAAAGCCAUGAUCCAGAUCCCAGAGGUAGACAGAUGAGACGCCACCUUCAAAAUACCAGG
UCUCGAUACUGGUCAAAGGCAUUG
>random_seq_from_cds__NO_512  RANDOM_LENGTH 84  SEQ_LENGTH    70
    GC_CONTENT    0.514285714285714    BASEPAIR   27  FREE_ENERGY
    -23.40 LEN_BP_RATIO  2.59259259259259
CUGGUCAACAGAAGACAGGAGAUCCUCACAUAGACUGGGGACCCAGGUCGAUCAGGUCGCUGAGG
UUUUUCUCGAUUUGCUGGG
>random_seq_from_cds__NO_516  RANDOM_LENGTH 75  SEQ_LENGTH    49
    GC_CONTENT    0.673469387755102    BASEPAIR   19  FREE_ENERGY
    -24.80 LEN_BP_RATIO  2.57894736842105
CCUGGGGAGGAGACCAGGCUGGAGAUGGACAAGUUCCCCUUCGUGGCCCUCUCCAAGGACGUACA
ACACCAAUGC
>random_seq_from_cds__NO_521  RANDOM_LENGTH 110 SEQ_LENGTH    80
    GC_CONTENT    0.5625 BASEPAIR   24  FREE_ENERGY   -27.80
    LEN_BP_RATIO  3.33333333333333
AAGAAUAAAACUGAUGUGGAGUAUGAGAGUGACGAGAAAGCCAGGGGCACGAGGCUGGACGGCCU
GGACCUCGUUGACACCUGGAAGAGCUUCAAACCGAGAUACAAGGC
>random_seq_from_cds__NO_522  RANDOM_LENGTH 110 SEQ_LENGTH    95
    GC_CONTENT    0.568421052631579    BASEPAIR   34  FREE_ENERGY
    -30.50 LEN_BP_RATIO  2.79411764705882
ACUCCCACUUCAUCUGGAACCGCACGGAACUCCUGACCCUUGACCCCCACAAUGUGGACUACCUA
UUGGGGUCUCUUCGAGCCAGGGGACAUGCAGUACGAGCUGAACAG
>random_seq_from_cds__NO_529  RANDOM_LENGTH 84  SEQ_LENGTH    78
    GC_CONTENT    0.705128205128205    BASEPAIR   28  FREE_ENERGY
    -33.90 LEN_BP_RATIO  2.78571428571429
GGCCCCAUGGCGCACCUGCUGCACGGCGUCCACGAGCAGAACUACGUCCCCCACGUGAUGGCGUA
UGCAGCCUGCAUCGGGGCC
>random_seq_from_cds__NO_551  RANDOM_LENGTH 86  SEQ_LENGTH    47
    GC_CONTENT    0.74468085106383 BASEPAIR   19  FREE_ENERGY
    -31.60 LEN_BP_RATIO  2.47368421052632
UGGAGGUGGUGCUCCCCUCCCCCUUGGUGGUGGUGGAGCACCUCGCCCUCCCCUUCCUCCUCCUC
UUCCUCUUACUGCAUAGCCAU
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>random_seq_from_cds__NO_553  RANDOM_LENGTH 86  SEQ_LENGTH   59
    GC_CONTENT   0.711864406779661   BASEPAIR  21  FREE_ENERGY
    -27.30 LEN_BP_RATIO  2.80952380952381
UAUCCACCUCUCCCCCCACCACGACCCCGACCUCUAAUUGGAGGUGGCAUGCGAGGAGGAGGGUG
GUAGUAAUAAUCUUCAUACCG
>random_seq_from_cds__NO_567  RANDOM_LENGTH 84  SEQ_LENGTH   67
    GC_CONTENT   0.477611940298507   BASEPAIR  19  FREE_ENERGY
    -17.60 LEN_BP_RATIO  3.52631578947368
GUCUGAAAUAUUUCAUCAAGUCUUUCUGCCACCUUCUGUGGGAGGCCUGCCUCUAUCAGUGUCUU
GUAGUGUUCUGUGUGAGUU
>random_seq_from_cds__NO_578  RANDOM_LENGTH 71  SEQ_LENGTH   65
    GC_CONTENT   0.523076923076923   BASEPAIR  23  FREE_ENERGY
    -18.30 LEN_BP_RATIO  2.82608695652174
CUGGGGUUGGGAAAACAGUAAAUAGCUUGCGAAAACACGAGCAUGUUGGAAGCUUUGCCAGGGAC
CUAGUG
>random_seq_from_cds__NO_595  RANDOM_LENGTH 90  SEQ_LENGTH   63
    GC_CONTENT   0.492063492063492   BASEPAIR  22  FREE_ENERGY
    -18.10 LEN_BP_RATIO  2.86363636363636
CCCUAAAAUGAUGACCUUGCACCAGCAAUGCAUCCGAGUACUUAAAAACAACAUCGAUUGCAAUC
UUUGAAGUGGGAGGAGUCCCAUACU
>random_seq_from_cds__NO_605  RANDOM_LENGTH 88  SEQ_LENGTH   75
    GC_CONTENT   0.613333333333333   BASEPAIR  26  FREE_ENERGY
    -27.10 LEN_BP_RATIO  2.88461538461538
UCUGUCCCCAUGCGGCCUAGGAUCCCUGUGACCCUCAACAUGAAGAUGGUGAUGCCCUCCUGGGU
UUGACCUGAUGGGGCUGAGUCCA
>random_seq_from_cds__NO_611  RANDOM_LENGTH 73  SEQ_LENGTH   64
    GC_CONTENT   0.578125  BASEPAIR  19  FREE_ENERGY  -27.74
    LEN_BP_RATIO  3.36842105263158
GCUCCUGUCCUCAGGGAGAUGGCAGCUGUGAAGGAAUUUCUUGAGAAGCUGCUGCCUCCUGUCUA
ACUCAGGC
>random_seq_from_cds__NO_620  RANDOM_LENGTH 78  SEQ_LENGTH   65
    GC_CONTENT   0.584615384615385   BASEPAIR  21  FREE_ENERGY
    -20.20 LEN_BP_RATIO  3.0952380952381
ACACCAGGUUCUUCACCCCGUGGGCCUUCAUGAUCCUCCAGAAGCUGGAUGGUCCCGGUCAGGUU
AACUCUGUAAUAA
>random_seq_from_cds__NO_626  RANDOM_LENGTH 80  SEQ_LENGTH   68
    GC_CONTENT   0.470588235294118   BASEPAIR  23  FREE_ENERGY
    -19.20 LEN_BP_RATIO  2.95652173913043
AGGCUCUUCAUGAUUCUUUGGCUCAAAGGAGUUGUAUUUAGUGUGACGACUGUUGACCUGAAAAG
GGAAGCCAGCAGACC
>random_seq_from_cds__NO_639  RANDOM_LENGTH 71  SEQ_LENGTH   49
    GC_CONTENT   0.63265306122449 BASEPAIR  19  FREE_ENERGY
    -20.80 LEN_BP_RATIO  2.57894736842105
AGCGGCACAGAGCAGGAUGACCUCUUCAGCUUCUGACCUACAGGCUGGACAGAUGGUGGGGGGCC
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CCUGGG
>random_seq_from_cds__NO_659  RANDOM_LENGTH 75  SEQ_LENGTH    59
    GC_CONTENT    0.610169491525424   BASEPAIR  19  FREE_ENERGY
    -23.50 LEN_BP_RATIO  3.10526315789474
UCCUGAGGAUCGUGCAGCCACGUGGCUGGGAUCUGCCACAACAUCCUGGUCUGCUGCCCCAAGGA
GCUGCUGGAA
>random_seq_from_cds__NO_661  RANDOM_LENGTH 87  SEQ_LENGTH    80
    GC_CONTENT    0.625  BASEPAIR  28  FREE_ENERGY   -35.10
    LEN_BP_RATIO  2.85714285714286
ACCCAGGGUUCCCACUGACUCCCGACUGCAGAUCCAGCCUGGAGACGAGGUUGUCCAGAUCAACG
AGCAGGUGGUGGGUGGGAUGGC
>random_seq_from_cds__NO_669  RANDOM_LENGTH 70  SEQ_LENGTH    58
    GC_CONTENT    0.517241379310345   BASEPAIR  21  FREE_ENERGY
    -16.60 LEN_BP_RATIO  2.76190476190476
CCAUGAUGUGUACAAACCCUUCAUCUUCGCUGCUGAUACCCUGACAGAUCUGAGCAUGGUGGGUG
CGUCA
>random_seq_from_cds__NO_673  RANDOM_LENGTH 110 SEQ_LENGTH    99
    GC_CONTENT    0.626262626262626   BASEPAIR  35  FREE_ENERGY
    -45.00 LEN_BP_RATIO  2.82857142857143
CAGUGAAGAGGCACUGGAAGGAAUGGUACGGGGGCUGAGGCAGGGUGGCGUGUCCCUCCUAGGCC
AGCCACAGCCCCUGACCCAGGAACAGUGGCGGAGCUCUUUCAUGC
>random_seq_from_cds__NO_675  RANDOM_LENGTH 110 SEQ_LENGTH    97
    GC_CONTENT    0.618556701030928   BASEPAIR  32  FREE_ENERGY
    -39.00 LEN_BP_RATIO  3.03125
CUGCAGGUCCUAGAAGAAGUGCUGGGUGACCCUGAGCUGACAGGAGAGAAGUUCCGCCAGUGGAA
GGAGCAGAACCGGGAGCUGUACUCAGAGGGCCUGGGGGCCUGGGG
>random_seq_from_cds__NO_682  RANDOM_LENGTH 84  SEQ_LENGTH    72
    GC_CONTENT    0.569444444444444   BASEPAIR  26  FREE_ENERGY
    -21.71 LEN_BP_RATIO  2.76923076923077
CAUGGAGCCUUGUGGAGGGGUGCUGGCUGGUUCCGGUUUUAUGGAUGAGAAAUUGGAGAGGUUGA
UUAGGGCUGAGGGGCCAAA
>random_seq_from_cds__NO_698  RANDOM_LENGTH 72  SEQ_LENGTH    64
    GC_CONTENT    0.765625  BASEPAIR  24  FREE_ENERGY   -32.00
    LEN_BP_RATIO  2.66666666666667
CCAGGUCUGUGGGCCGCGUCCGGCAGAGAUGGCCCUCUGGACUGGGGGGCGAGGCCAGGGCUGCA
CAGGGCC
>random_seq_from_cds__NO_710  RANDOM_LENGTH 73  SEQ_LENGTH    67
    GC_CONTENT    0.656716417910448   BASEPAIR  20  FREE_ENERGY
    -20.90 LEN_BP_RATIO  3.35
GACCGCUGGUAUGCCAUCUGCCACCCACUAUUGUUCAAGAGCACAGCCCGGCGGGCCCGUGGCUC
CAUCCUGG
>random_seq_from_cds__NO_713  RANDOM_LENGTH 80  SEQ_LENGTH    62
    GC_CONTENT    0.645161290322581   BASEPAIR  21  FREE_ENERGY
    -27.10 LEN_BP_RATIO  2.95238095238095
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ACUGGGCCUCAUGGCCAUGGCCUAUUUCCAGAUAUUCCGCAAGCUCUGGGGCCGCCAGGAUCCCC
GGCACCACCUCAGCA
>random_seq_from_cds__NO_714  RANDOM_LENGTH 84  SEQ_LENGTH    75
    GC_CONTENT    0.733333333333333   BASEPAIR  27  FREE_ENERGY
    -38.60 LEN_BP_RATIO  2.77777777777778
CUGGUGCGGAACUGGAAGCGCCCCUCAGACCAGCUGGGGGACCUGGAGCAGGGCCUGAGUGGAGA
GCCCCAGCCCCGGGCCCGC
>random_seq_from_cds__NO_716  RANDOM_LENGTH 85  SEQ_LENGTH    78
    GC_CONTENT    0.628205128205128   BASEPAIR  25  FREE_ENERGY
    -24.92 LEN_BP_RATIO  3.12
UUCGCCCUCUGCUACCUGCCCAUCAGCGUCCUCAAUGUCCUUAAGAGGGGUGUUCGGGAUGUUCC
GCCAAGCCAGUGACCGCGAA
>random_seq_from_cds__NO_717  RANDOM_LENGTH 110 SEQ_LENGTH    87
    GC_CONTENT    0.586206896551724   BASEPAIR  22  FREE_ENERGY
    -25.64 LEN_BP_RATIO  3.95454545454545
GCUGUCUACGCCUGCUUCACCUUCUCCCACUGGCUGGUGUACGCCAACAGCGCUGCCAACCCCAU
CAUCUACAACUUCCUCAGUGGGCAAAUUCCGGGAGCAGUUUAAGG
>random_seq_from_cds__NO_720  RANDOM_LENGTH 64  SEQ_LENGTH    52
    GC_CONTENT    0.596153846153846   BASEPAIR  20  FREE_ENERGY
    -19.00 LEN_BP_RATIO  2.6
AUGGGUGGGUACUGCUGCUCCAUCGGCAUGGCCCCAAAGCAGUCAGAGGGAUUACAGUGGCCAG
>random_seq_from_cds__NO_723  RANDOM_LENGTH 110 SEQ_LENGTH    89
    GC_CONTENT    0.685393258426966   BASEPAIR  30  FREE_ENERGY
    -42.70 LEN_BP_RATIO  2.96666666666667
AAGCCCUGCCGUCCUUCUCUGCCAAUCUGACCAGGGAGCCCAGGUGACCCUGGAGCACCUGGCCU
GCCCGGAGCACCAUCCUUCCCUGGAGGCCCUGGUCGUCCCGGAGC
>random_seq_from_cds__NO_725  RANDOM_LENGTH 90  SEQ_LENGTH    65
    GC_CONTENT    0.723076923076923   BASEPAIR  21  FREE_ENERGY
    -28.90 LEN_BP_RATIO  3.0952380952381
GAUUUCAUCAUAAUUCACCAUGUCUCCCCAUGGAGCCAGGCACACCAGGCAAGCCAGGGCUCCCC
GAAGGCCCCGGAGCUCCAGGGUGGC
>random_seq_from_cds__NO_728  RANDOM_LENGTH 84  SEQ_LENGTH    77
    GC_CONTENT    0.714285714285714   BASEPAIR  30  FREE_ENERGY
    -43.70 LEN_BP_RATIO  2.56666666666667
CCCCUCUUUGCCAGCUGCACCAUCCGUACCAGGUUCGCCCUGGGGGGCCAGGGUGUCCAGGGGGG
CCGGGCUGGCCUGGGAGGC
>random_seq_from_cds__NO_739  RANDOM_LENGTH 78  SEQ_LENGTH    63
    GC_CONTENT    0.698412698412698   BASEPAIR  23  FREE_ENERGY
    -30.80 LEN_BP_RATIO  2.73913043478261
CCCGGAGGACCAGGUAGGCCUGGGCUCCCAACACAGCCAGGAUCUCCCUCACUGUUGUCACCCCC
GGGCCUCCUCGGC
>random_seq_from_cds__NO_763  RANDOM_LENGTH 68  SEQ_LENGTH    51
    GC_CONTENT    0.705882352941177   BASEPAIR  19  FREE_ENERGY
    -22.40 LEN_BP_RATIO  2.68421052631579
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UGGACCAGGCAGGCCCCGCUCACCUUUCCCUCCCCUUGGGGCCAGAGGGAGCAAGUGUGACCAUU
GCU
>random_seq_from_cds__NO_766  RANDOM_LENGTH 73  SEQ_LENGTH    59
    GC_CONTENT    0.610169491525424   BASEPAIR  23  FREE_ENERGY
    -22.70 LEN_BP_RATIO  2.56521739130435
UAGACCUUGCCUUCAGACUGUGGAUUGAUCUCAAUGAGCUCAUUGCUCUGGGUGUCCCGGCGGGC
CUUGGAGG
>random_seq_from_cds__NO_790  RANDOM_LENGTH 99  SEQ_LENGTH    81
    GC_CONTENT    0.703703703703704   BASEPAIR  26  FREE_ENERGY
    -38.00 LEN_BP_RATIO  3.11538461538462
GGACGGCAGACAUCCAGGUGAGCGCCAGCAGGGGCAGCACCACGCAGGAGCUCCAGAGUGAGGCC
CAUGGCGUUCCUGGCCGAGGCUGAGCUGAGCAGG
>random_seq_from_cds__NO_792  RANDOM_LENGTH 80  SEQ_LENGTH    62
    GC_CONTENT    0.451612903225806   BASEPAIR  22  FREE_ENERGY
    -19.70 LEN_BP_RATIO  2.81818181818182
CGGCCCUCUGCUUCUUGGAUUUGUCGGAGAUGCCAUCACGUGCCAUGAGCUUGUUGAAGACGAUG
AUUCCGAUGAGCAUG
>random_seq_from_cds__NO_821  RANDOM_LENGTH 70  SEQ_LENGTH    59
    GC_CONTENT    0.661016949152542   BASEPAIR  22  FREE_ENERGY
    -26.20 LEN_BP_RATIO  2.68181818181818
CAGCCGCCGGGUCGCCCUGUCUGCGCCAUGUAUAGCCCAGGCUCAUCUGCAGACCUCGGCCACUG
GGUUU
>random_seq_from_cds__NO_830  RANDOM_LENGTH 85  SEQ_LENGTH    60
    GC_CONTENT    0.783333333333333   BASEPAIR  21  FREE_ENERGY
    -32.80 LEN_BP_RATIO  2.85714285714286
CGAGAAGGCCCCGUAGAGCACACCCGAGGCCAGGGCAGAGCAGGCACUGGGGGCGGGGUCGAAGG
CGGUGGCCAGGCGCAGGGAC
>random_seq_from_cds__NO_834  RANDOM_LENGTH 102 SEQ_LENGTH    89
    GC_CONTENT    0.471910112359551   BASEPAIR  32  FREE_ENERGY
    -26.60 LEN_BP_RATIO  2.78125
UCUUAUGUGAGCUCUACCACUGGGGGAGAGUGUGAUCACAAGAGAGAUGGUGGAGAUGCUCUUUU
CUGAUGAUUCUGACCUGCAGUUAGCAACCACACAGAA
>random_seq_from_cds__NO_848  RANDOM_LENGTH 100 SEQ_LENGTH    87
    GC_CONTENT    0.551724137931034   BASEPAIR  26  FREE_ENERGY
    -20.60 LEN_BP_RATIO  3.34615384615385
CGAGAACCAGGAGAUCUACCAGAAGGCCUUCGACCUCAUUGAGCACUACUUUGGUGUAGAAGACG
AUGAUAGCAGCCUGGCUCCCCAAGUCGAUGAAACG
>random_seq_from_cds__NO_854  RANDOM_LENGTH 83  SEQ_LENGTH    57
    GC_CONTENT    0.596491228070175   BASEPAIR  19  FREE_ENERGY
    -20.90 LEN_BP_RATIO  3
GUGAAACUUAAUAAGCAGCAGACGGACAUCGCUGUGAAUUGGGCUGGGGGCCUGCACCAUGCAAA
GAAGUCCGAGGCAUCUGG
>random_seq_from_cds__NO_855  RANDOM_LENGTH 88  SEQ_LENGTH    62
    GC_CONTENT    0.5 BASEPAIR  22  FREE_ENERGY   -19.80 LEN_BP_RATIO
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    2.81818181818182
CUUCUGUUACGUCAAUGAUAUCGUCUUGGCCAUCCUGGAACUGCUAAAGGUAUCACCAGAGGGUG
CUGUACAUUGACAUUGAUAUUCA
>random_seq_from_cds__NO_870  RANDOM_LENGTH 89  SEQ_LENGTH    81
    GC_CONTENT    0.62962962962963 BASEPAIR  29  FREE_ENERGY
    -32.50 LEN_BP_RATIO  2.79310344827586
CCAAGGCCCUCUUCCGUCAGAUGGUUGAGGCCAUCCGCUACUGCCAUGGCUGUGGUGUGGCCCAC
CGGGACCUCAAAUGUGAGAACGCC
>random_seq_from_cds__NO_872  RANDOM_LENGTH 88  SEQ_LENGTH    72
    GC_CONTENT    0.611111111111111    BASEPAIR  25  FREE_ENERGY
    -27.86 LEN_BP_RATIO  2.88
GUACAGCCUAUGCUGCCCCCGAGGUGCUGCAGGGCAUUCCCCACGAUAGCAAAAAGGUGAUGUC
UGGAGCAUGGGUGUGGUCCUGUA
>random_seq_from_cds__NO_881  RANDOM_LENGTH 81  SEQ_LENGTH    70
    GC_CONTENT    0.5 BASEPAIR  24  FREE_ENERGY   -22.74 LEN_BP_RATIO
    2.91666666666667
ACAUCCUUCUAAACCAGGAUCCUUCUGGAGAGUGCAACCCAGACUUGCGUCUCCGUGGACAUCAG
AAGGAAGGCUAUGGGC
>random_seq_from_cds__NO_884  RANDOM_LENGTH 69  SEQ_LENGTH    62
    GC_CONTENT    0.451612903225806    BASEPAIR  21  FREE_ENERGY
    -19.60 LEN_BP_RATIO  2.95238095238095
CUGGCAUCUACUCCAUGAGUCUCUGUUUGGGUCAGUUGCUGAUGAUCAGAAACUUAUGAUGUUGG
GAUA
>random_seq_from_cds__NO_885  RANDOM_LENGTH 119 SEQ_LENGTH    67
    GC_CONTENT    0.477611940298507    BASEPAIR  23  FREE_ENERGY
    -22.09 LEN_BP_RATIO  2.91304347826087
CUCGUUCAAACAAUACUUCCAAACCAAGCCACUCAGUUGAUGCUCACACUGCUGAAGUGAACUGC
CUUUCUUUCAAUCCUUAUAGUGAGUUCAUUCUUGCCACAGGAUCAGCUGACAAG
>random_seq_from_cds__NO_894  RANDOM_LENGTH 109 SEQ_LENGTH    93
    GC_CONTENT    0.602150537634409    BASEPAIR  34  FREE_ENERGY
    -34.70 LEN_BP_RATIO  2.73529411764706
UUGACACCAACAGCGAUGGCACCAUAGACUUUCGGGAGUUCAUCAUUGCGCUGAGCGUGACCUCG
CGCGGCCGCCUGGAGCAGAAGCUCAUGUGGGCCUUCAGCAUGUA
>random_seq_from_cds__NO_905  RANDOM_LENGTH 82  SEQ_LENGTH    72
    GC_CONTENT    0.430555555555556    BASEPAIR  29  FREE_ENERGY
    -21.70 LEN_BP_RATIO  2.48275862068966
UAUCAUCUGUUUUGAGGUGCUUAGGUGAAGGAGAAGUCAUGAAAGAUGGACCCCUUUUCUUUACC
CUGAGACUUAGACGAUU
>random_seq_from_cds__NO_906  RANDOM_LENGTH 72  SEQ_LENGTH    65
    GC_CONTENT    0.492307692307692    BASEPAIR  19  FREE_ENERGY
    -17.14 LEN_BP_RATIO  3.42105263157895
CCUUUGCCGCCUCAGCCUUGACAGGAGAAAGUGUAUGAAAGACAAAGUUUCUUGAAUUUCGAGGA
GCACUGG
>random_seq_from_cds__NO_907  RANDOM_LENGTH 79  SEQ_LENGTH    65
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   GC_CONTENT   0.553846153846154   BASEPAIR  22  FREE_ENERGY
   -21.50 LEN_BP_RATIO  2.95454545454545
GGUUAUGGUCAGAGAGAGCAGCCAGUUUCUGAAGCACAGCUUUGGGCUGGUUUAGCAGUGAGCCU
GUCUUCACCCUGUU
>random_seq_from_cds__NO_939  RANDOM_LENGTH 110 SEQ_LENGTH   94
   GC_CONTENT   0.372340425531915   BASEPAIR  30  FREE_ENERGY
   -18.50 LEN_BP_RATIO  3.13333333333333
UUGUCUGCUCAGAACCUUUACUAUGGUGAUCACUGUUCAUUUCAGUAGUAUUUGCAGUGUCUAUG
AUUUCUUUGUGAUGGCUUGACUGAUAUUUAGAUGACCUUCAAUAG
>random_seq_from_cds__NO_946  RANDOM_LENGTH 85  SEQ_LENGTH   67
   GC_CONTENT   0.432835820895522   BASEPAIR  25  FREE_ENERGY
   -15.90 LEN_BP_RATIO  2.68
CUUUAUCAUGUAUGUGCUUUUUGGAACUCUUUCUGUCAGUGGUAAAGUCUGUAGAGUUUCCAGAC
UGAAGACUCAGCUCUAAGCA
>random_seq_from_cds__NO_953  RANDOM_LENGTH 81  SEQ_LENGTH   63
   GC_CONTENT   0.555555555555556   BASEPAIR  23  FREE_ENERGY
   -21.80 LEN_BP_RATIO  2.73913043478261
CUGGCCAAUUACUUUGAGGUGGACAUCCCUAAGAUCGACGUGUACCACUACGAGGUGGACAUCAA
GCCGGAUAAGUGUCCC
>random_seq_from_cds__NO_954  RANDOM_LENGTH 67  SEQ_LENGTH   52
   GC_CONTENT   0.5 BASEPAIR  19  FREE_ENERGY   -16.20 LEN_BP_RATIO
   2.73684210526316
CGUAGAGUCAACCGGGGAAGUGGUGGAAUACAUGGUCCAGCAUUUCAAGCCUCAGAUCUUUGGUG
AU
>random_seq_from_cds__NO_980  RANDOM_LENGTH 110 SEQ_LENGTH   98
   GC_CONTENT   0.612244897959184   BASEPAIR  34  FREE_ENERGY
   -39.60 LEN_BP_RATIO  2.88235294117647
CACACGCUCUGUCUCUAUCCCAGCACCUGCCUACUAUGCCCGCCUGGUGGCUUUCCGGGCACGAU
ACCACCUGGUGGACAAGGAGCAUGACAGGUGGAGAGGGGAGCCAC
>random_seq_from_cds__NO_1004 RANDOM_LENGTH 80  SEQ_LENGTH   70
   GC_CONTENT   0.628571428571429   BASEPAIR  27  FREE_ENERGY
   -31.40 LEN_BP_RATIO  2.59259259259259
AUGGUGGUGGACUCCAUGAGCAGCGCGUAGUCGGCCGUCAGGGCCCUCUGGAUGCCCUCCUCGUU
GUUCUUCACCAGCGC
>random_seq_from_cds__NO_1020 RANDOM_LENGTH 81  SEQ_LENGTH   73
   GC_CONTENT   0.534246575342466   BASEPAIR  25  FREE_ENERGY
   -19.41 LEN_BP_RATIO  2.92
GUUGUCCACAUUGAGAAUCCGGAAUCCUGUCAGGUUCACGCCUGAGUAGCGGUAGGGCUCCAGGU
CUAAAGCGUAGAGAUC
>random_seq_from_cds__NO_1023 RANDOM_LENGTH 71  SEQ_LENGTH   53
   GC_CONTENT   0.566037735849057   BASEPAIR  19  FREE_ENERGY
   -17.40 LEN_BP_RATIO  2.78947368421053
GGAGCUGACGGAUCUUCAGGCGGAUGUUGUAUCUUGAUGGGGCCAUGAUGAGCUCCUGCAGUCGG
AUGAGC
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>random_seq_from_cds__NO_1025 RANDOM_LENGTH 90  SEQ_LENGTH    64
    GC_CONTENT    0.640625  BASEPAIR  25  FREE_ENERGY   -31.90
    LEN_BP_RATIO  2.56
UAGAGGUUCACGUAGAAGGUGUCCUUGUUGUCCAGCGGGUGGUGCUUCCAACGCAGCUGGAUGUG
GGGCACCUCCAGGGCAUUGCAGAUG
>random_seq_from_cds__NO_1031 RANDOM_LENGTH 72  SEQ_LENGTH    57
    GC_CONTENT    0.385964912280702   BASEPAIR  21  FREE_ENERGY
    -16.80 LEN_BP_RATIO  2.71428571428571
AAGCUAAAUAUGCAGCAAUUGCUAUCCAAAACCUUGGAUCUUUCAGCAGUGCUUUAUCAAAGCAG
CUAAACA
>random_seq_from_cds__NO_1057 RANDOM_LENGTH 96  SEQ_LENGTH    89
    GC_CONTENT    0.539325842696629   BASEPAIR  33  FREE_ENERGY
    -42.80 LEN_BP_RATIO  2.6969696969697
CGAGACUUGAAUCUGCCCACAAAUCACUUUGCGGUCAUUGAGGAGCAUGCCAUUCAUCUUCUCGA
UGGCCUUGUCGGCAGCCUCUUGGGUCUCGAA
>random_seq_from_cds__NO_1062 RANDOM_LENGTH 86  SEQ_LENGTH    73
    GC_CONTENT    0.63013698630137 BASEPAIR  24  FREE_ENERGY
    -35.84 LEN_BP_RATIO  3.04166666666667
CAGGUCGCCCACGUACAGGGAGGCCAUGGGGUAGCUGCUGGCCGCAGCGUUCAUGAUGGCCACCA
CCAAGCGCGUCUUGUACGUGG
>random_seq_from_cds__NO_1064 RANDOM_LENGTH 92  SEQ_LENGTH    69
    GC_CONTENT    0.420289855072464   BASEPAIR  26  FREE_ENERGY
    -24.10 LEN_BP_RATIO  2.65384615384615
CAUCACAGAUAUUCAGAUUCCUCUGGAUUAUGAAACAGGAAAAGCACCGAGGAUUUGCUUUUGUU
GAAUUUGAGUUGGCAGAGGGAUGCUGC
>random_seq_from_cds__NO_1106 RANDOM_LENGTH 88  SEQ_LENGTH    63
    GC_CONTENT    0.555555555555556   BASEPAIR  22  FREE_ENERGY
    -19.91 LEN_BP_RATIO  2.86363636363636
GCUUGGUGGAACCGUGGGGGACAUAGAAAGCAUGCCCUUUAUUGAGGCCUUCCGUCAGUUCCAAU
UCAAGGUCAAAAGAGAGAACUUU
>random_seq_from_cds__NO_1112 RANDOM_LENGTH 89  SEQ_LENGTH    71
    GC_CONTENT    0.52112676056338 BASEPAIR  19  FREE_ENERGY
    -18.90 LEN_BP_RATIO  3.73684210526316
UGUCAUUAAGGCUCUGGAGCAUUCUGCACUGGCCAUCAACCACAAAUUGGAAAUCAAGGUACAUA
GAUUCUGCGGACUUGGAGCCCAUC
>random_seq_from_cds__NO_1114 RANDOM_LENGTH 78  SEQ_LENGTH    71
    GC_CONTENT    0.52112676056338 BASEPAIR  27  FREE_ENERGY
    -23.10 LEN_BP_RATIO  2.62962962962963
UCCAAGCAAUUGCCUGGGCUCGGAAUCAGAAAAAGCCUUUUUUGGGGCGUGUGCUUAGGGAUGCA
GUUGGCAGUGGUU
>random_seq_from_cds__NO_1134 RANDOM_LENGTH 77  SEQ_LENGTH    55
    GC_CONTENT    0.6 BASEPAIR  21  FREE_ENERGY   -26.30 LEN_BP_RATIO
    2.61904761904762
ACAGGAGGGGGCACCAGUGAUCGACACAUUCGCAUCUGGAAUGUGUGCUCUGGGGCCUGUCUGAG
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UGCCGUGGAUGC
>random_seq_from_cds__NO_1143 RANDOM_LENGTH 85  SEQ_LENGTH    78
    GC_CONTENT    0.602564102564103   BASEPAIR  27  FREE_ENERGY
    -32.20 LEN_BP_RATIO  2.88888888888889
GUCUGCGUGGGCAUCGUGGGCAGUGGGGCUGCCCUGGCCGAUGCUCAGAACCCCAGCCUCUUUGU
AAAGAUUCUCAUCGUGGAGA
>random_seq_from_cds__NO_1172 RANDOM_LENGTH 84  SEQ_LENGTH    75
    GC_CONTENT    0.44   BASEPAIR  24  FREE_ENERGY   -19.10
    LEN_BP_RATIO  3.125
GGAUCAUCGAUGUUGUCUACAAUGCAUCUAAUAACGAGCUGGUUCGUACCAAGACCCUGGUGAAG
AAUUGCAUCGUGCUCAUCG
>random_seq_from_cds__NO_1181 RANDOM_LENGTH 92  SEQ_LENGTH    83
    GC_CONTENT    0.686746987951807   BASEPAIR  28  FREE_ENERGY
    -38.90 LEN_BP_RATIO  2.96428571428571
CGGGGGCAAAUGUGUGCUCAAGGGCAUGGGCGGCCCGCAGGUUCCGGCUGCCCUGGGUGGUCAGG
AAGCCCCAGAGCCACGUGGACUGUGAA
>random_seq_from_cds__NO_1196 RANDOM_LENGTH 94  SEQ_LENGTH    76
    GC_CONTENT    0.644736842105263   BASEPAIR  25  FREE_ENERGY
    -36.90 LEN_BP_RATIO  3.04
UCAGAGCCCAGUGGGUCAGAAGGUGGGGGCACCAGGUGGGCUUGGGGAGGCAGGAUGGUGACCAC
AUGCUGGCUGCUGGCUUCACAGUGGGUAA
>random_seq_from_cds__NO_1208 RANDOM_LENGTH 77  SEQ_LENGTH    70
    GC_CONTENT    0.685714285714286   BASEPAIR  23  FREE_ENERGY
    -28.70 LEN_BP_RATIO  3.04347826086957
GGAGCCCUGCCUGCUGUGAUGGUUGGGGGCACUAGGUGGGCAGUGGAGGUCAUCAGGGUGCAGAC
AGGGCCGCCCCA
>random_seq_from_cds__NO_1212 RANDOM_LENGTH 81  SEQ_LENGTH    74
    GC_CONTENT    0.554054054054054   BASEPAIR  31  FREE_ENERGY
    -30.50 LEN_BP_RATIO  2.38709677419355
UCCCAUAGAGUGAUACUUGGACUUUACUGGCAGUGAGGGCUGCCUGGAGGUGGAGGCCAAGUGCU
UCGGGUGUGAGGAUGU
>random_seq_from_cds__NO_1217 RANDOM_LENGTH 85  SEQ_LENGTH    75
    GC_CONTENT    0.56   BASEPAIR  25  FREE_ENERGY   -23.80
    LEN_BP_RATIO  3
GCGGCGAUCGAGUCAUCAUGGAAGCGAAUGGGUUGGGGACCUCAGGGUUUUCCGGAGCUGAAGAA
UGACACAUUCCUGCGAGCAG
>random_seq_from_cds__NO_1223 RANDOM_LENGTH 84  SEQ_LENGTH    67
    GC_CONTENT    0.597014925373134   BASEPAIR  24  FREE_ENERGY
    -28.60 LEN_BP_RATIO  2.79166666666667
GUUGAGGGUGGUGGCUCAAGCACCAUGGCUCAGGCCAAGCGCUGGCUCUAUCAGAGACCUCAGGC
UAGUCACCAGCUGCUUCGC
>random_seq_from_cds__NO_1243 RANDOM_LENGTH 67  SEQ_LENGTH    57
    GC_CONTENT    0.43859649122807 BASEPAIR  20  FREE_ENERGY
    -15.10 LEN_BP_RATIO  2.85
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CCGAUGAAAAAUGCCUUUGAAGUGAAGGUAGCUGAGGCCCACUGCUAUGUCAUAGGCCAGUUUUA
CC
>random_seq_from_cds__NO_1248 RANDOM_LENGTH 102 SEQ_LENGTH    90
    GC_CONTENT    0.577777777777778    BASEPAIR  28  FREE_ENERGY
    -32.30 LEN_BP_RATIO  3.21428571428571
UGGAGGAGGAGCUUGGCUCCCAGCCAGCUGGCCAAGAGAAAACCUGAAGGCAGGUCCUGUGAUGA
UGAAGACUGGCAACCUGGCCUAGUGGACUCCUAGGAA
>random_seq_from_cds__NO_1251 RANDOM_LENGTH 85  SEQ_LENGTH    62
    GC_CONTENT    0.725806451612903    BASEPAIR  19  FREE_ENERGY
    -33.00 LEN_BP_RATIO  3.26315789473684
AGGGUCCUCUGGGCUCUCGAGCAUUGGGCCUGAAAAGGGCUGGGGUCCGCCGGGCCCUCCAUGAC
CCCCUGGAAAAAGAUGCCUU
>random_seq_from_cds__NO_1257 RANDOM_LENGTH 81  SEQ_LENGTH    66
    GC_CONTENT    0.515151515151515    BASEPAIR  23  FREE_ENERGY
    -20.90 LEN_BP_RATIO  2.8695652173913
GUCUUCUCCCAUCCUCAUCAUUUCCUAUGAGACCUUCCGCCUUCAUGUUGGAGUCCUCCAGAAAG
GAAGUGUUGGUCUGGU
>random_seq_from_cds__NO_1265 RANDOM_LENGTH 84  SEQ_LENGTH    70
    GC_CONTENT    0.585714285714286    BASEPAIR  26  FREE_ENERGY
    -25.30 LEN_BP_RATIO  2.69230769230769
UCUAAGGCCCUGGAGCCCCAGCUGUCAGGGUAAGAUGCUGGUCCUGGAUUAUAUUCUGGCGGUGA
CCCGAAGCCGUAGCAGUGA
>random_seq_from_cds__NO_1272 RANDOM_LENGTH 72  SEQ_LENGTH    60
    GC_CONTENT    0.616666666666667    BASEPAIR  21  FREE_ENERGY
    -22.30 LEN_BP_RATIO  2.85714285714286
CCGUCAGAUCCGGCCACCCCCUGAUGGUUCUGACUGCACUUCAGACCUGGCAGGGUGGAACCACU
GCACUGA
>random_seq_from_cds__NO_1273 RANDOM_LENGTH 77  SEQ_LENGTH    57
    GC_CONTENT    0.666666666666667    BASEPAIR  19  FREE_ENERGY
    -26.80 LEN_BP_RATIO  3
UAAGUGGGGGCUCCGGGAUGAGGUACUCCAGGCUGCCUGGGAUGCUGCCUCCACUGCCAUCACCU
UCGUCUUCCACC
>random_seq_from_cds__NO_1275 RANDOM_LENGTH 98  SEQ_LENGTH    86
    GC_CONTENT    0.813953488372093    BASEPAIR  37  FREE_ENERGY
    -63.10 LEN_BP_RATIO  2.32432432432432
CCUGGCCUGCUGCUUCGUGGCGGCGGCCGUGGCCCUGCGCUGGUCCGGGCGCCGGACGGCGCGGG
GCGCGGUGGUCCGGGCGCGACAGAGGCAGCGAG
>random_seq_from_cds__NO_1276 RANDOM_LENGTH 86  SEQ_LENGTH    62
    GC_CONTENT    0.741935483870968    BASEPAIR  25  FREE_ENERGY
    -46.00 LEN_BP_RATIO  2.48
CGGGCCUGGAGAACAUGGACAGGGCGGCGCAGCGCUUCCGGCUCCAGGAACCCAGACCUGGACUC
AGAGGCGCUGCUAGCCCUGCC
>random_seq_from_cds__NO_1280 RANDOM_LENGTH 82  SEQ_LENGTH    71
    GC_CONTENT    0.704225352112676    BASEPAIR  24  FREE_ENERGY
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    -30.90 LEN_BP_RATIO  2.95833333333333
UGAAGGGGUGCCGGCGGAGUGCGACAGCGUAGUGGUGCAUGUGCUGAAGCUGCAGGGUGCCGUGC
CCUUCGUGCACACCAAU
>random_seq_from_cds__NO_1284 RANDOM_LENGTH 71  SEQ_LENGTH    56
    GC_CONTENT    0.642857142857143    BASEPAIR  20  FREE_ENERGY
    -21.20 LEN_BP_RATIO  2.8
AGAGCCUGGCACUGUGCCUGCGAGCCCUGCUGUGUGAGGACAUGUUCCGCUUGGACCCCACUGUG
CCUCCC
>random_seq_from_cds__NO_1286 RANDOM_LENGTH 87  SEQ_LENGTH    74
    GC_CONTENT    0.702702702702703    BASEPAIR  26  FREE_ENERGY
    -33.70 LEN_BP_RATIO  2.84615384615385
CUAUACCAUGCCCUCCCCGGCCAUGAGGCGGGCCGUGCUGGAGACCAAACAGAGCCUUGAGGCUG
CGGGGCACACGGCUGGUUCCCU
>random_seq_from_cds__NO_1306 RANDOM_LENGTH 86  SEQ_LENGTH    66
    GC_CONTENT    0.560606060606061    BASEPAIR  25  FREE_ENERGY
    -27.30 LEN_BP_RATIO  2.64
CAGUGGUAUCUCCUGGUUUCUCUACUGCAUGGCCCUGUACCCUGAGCACCAGCAUCGUUGUAGAG
AGGAGGUCCGCGAGAUCCUAG
>random_seq_from_cds__NO_1310 RANDOM_LENGTH 83  SEQ_LENGTH    72
    GC_CONTENT    0.555555555555556    BASEPAIR  24  FREE_ENERGY
    -24.40 LEN_BP_RATIO  3
ACUGAGAAUGCAUCCAAACGCCAUCCCUUUGCCUUUAUGCCCUUCUCUGCUGGGCCCAGGGAACU
GCAUUGGGCAGCAGUUUG
>random_seq_from_cds__NO_1319 RANDOM_LENGTH 82  SEQ_LENGTH    49
    GC_CONTENT    0.510204081632653    BASEPAIR  19  FREE_ENERGY
    -20.90 LEN_BP_RATIO  2.57894736842105
CACCUCAGCACGGAGGUCCUUGUCUGACAAGAUGCUCCCAUUCUCCAUCUUUGGCCAAGAGGAGG
AUAUCCAGAAAAUCCAA
>random_seq_from_cds__NO_1322 RANDOM_LENGTH 68  SEQ_LENGTH    59
    GC_CONTENT    0.542372881355932    BASEPAIR  19  FREE_ENERGY
    -17.20 LEN_BP_RATIO  3.10526315789474
GGUCACUAAUGGCCUGUAUGUAGGACUGAGAAUUCCCUGUCCACCUGGAUGCUGCCCUGAUGGCU
GAA
>random_seq_from_cds__NO_1324 RANDOM_LENGTH 106 SEQ_LENGTH    94
    GC_CONTENT    0.574468085106383    BASEPAIR  32  FREE_ENERGY
    -35.60 LEN_BP_RATIO  2.9375
AGGAGCUCUUCCCAUUUGUCCCAGCAUCACUCGUACAGAGUCUGCCAUGAGCCCCACAUAGGGCU
UCAGGAUGUCAUAGUGGAAGGCUGGGGUCAGCAUCCGUCGA
>random_seq_from_cds__NO_1335 RANDOM_LENGTH 96  SEQ_LENGTH    69
    GC_CONTENT    0.405797101449275    BASEPAIR  27  FREE_ENERGY
    -19.40 LEN_BP_RATIO  2.55555555555556
AUUCCAUUUUAACAUCCUGAAAGCAUACAUUGAGGUGAUGGCUCAUUCUGUGAAAAUGAUGCUGG
GAUAAGUGGGAGAAGAUUUGCAGCACUCAGG
>random_seq_from_cds__NO_1336 RANDOM_LENGTH 67  SEQ_LENGTH    57
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    GC_CONTENT    0.43859649122807 BASEPAIR  21  FREE_ENERGY
    -18.20 LEN_BP_RATIO  2.71428571428571
ACACAAGCGUGGAGGUCUAUGAGCACAUCAACUCGAUGUCUCUGGAUAUAAUCAUGAAAUGCGCU
UU
>random_seq_from_cds__NO_1345 RANDOM_LENGTH 83  SEQ_LENGTH    73
    GC_CONTENT    0.465753424657534   BASEPAIR  27  FREE_ENERGY
    -15.70 LEN_BP_RATIO  2.7037037037037
UUGAGGUUCUCUCAGGAGAAUUCUGAUCAGAGACACCCCUAUGCCUACUUACCAUUCUCAGCUGG
AUCAAGGGAACUGCAUUG
>random_seq_from_cds__NO_1346 RANDOM_LENGTH 82  SEQ_LENGTH    70
    GC_CONTENT    0.485714285714286   BASEPAIR  22  FREE_ENERGY
    -21.10 LEN_BP_RATIO  3.18181818181818
GGCAGGAGUUUGCCAUGAUUGAGUUAAAGGUAACCAUUGCCUUGAUUCUGCUCCACUUCAGAGUG
ACUCCAGACCCCACCAG
>random_seq_from_cds__NO_1349 RANDOM_LENGTH 110 SEQ_LENGTH    99
    GC_CONTENT    0.494949494949495   BASEPAIR  31  FREE_ENERGY
    -23.70 LEN_BP_RATIO  3.19354838709677
CCUACCAGAUGUACCUUGGAAGCAGGAGCCAUGACUUUUCAGCUACAUUAUUGAGCAGGGGGUGU
GUGAUUUGGUUUUAUGUGAAGCUGCCUUCCCUAAGACGUUGGCUU
>random_seq_from_cds__NO_1352 RANDOM_LENGTH 82  SEQ_LENGTH    64
    GC_CONTENT    0.46875   BASEPAIR  20  FREE_ENERGY   -15.50
    LEN_BP_RATIO  3.2
AGAGGAUCAUGGUGGCCAAUAUCGAAGAAGUGUUACAACGAGGAGAAGCACUCUCAGGCAUUGGA
UUCAAAGGCUAACAAUU
>random_seq_from_cds__NO_1354 RANDOM_LENGTH 88  SEQ_LENGTH    66
    GC_CONTENT    0.772727272727273   BASEPAIR  24  FREE_ENERGY
    -30.10 LEN_BP_RATIO  2.75
UGUUAAUAGUGUAUGUCCGAUUCUGGUGGCUGUGAGAUGGUGCCCCGCCUGCUGCUGCGCGCCUG
GCCCCGGGGCCCCGCGGUUGGUC
>random_seq_from_cds__NO_1372 RANDOM_LENGTH 68  SEQ_LENGTH    49
    GC_CONTENT    0.591836734693878   BASEPAIR  19  FREE_ENERGY
    -23.40 LEN_BP_RATIO  2.57894736842105
GCCCUCCAGGCACAGUGCUGGUGAGCUUCAGCAGAUGAUGGUUGAGUGCUCCAAGUACCAUGGCC
AGC
>random_seq_from_cds__NO_1373 RANDOM_LENGTH 99  SEQ_LENGTH    72
    GC_CONTENT    0.569444444444444   BASEPAIR  24  FREE_ENERGY
    -27.90 LEN_BP_RATIO  3
UGACCAAAGAAGCAGCAAUGGGGCCAGGGCUUUGACCGACACUUGUUUGCUCUGCGGCAUCUGGC
AGCAGCCAAAGGGAUCAUCUUGCCUGAGCUCUAC
>random_seq_from_cds__NO_1378 RANDOM_LENGTH 110 SEQ_LENGTH    96
    GC_CONTENT    0.333333333333333   BASEPAIR  27  FREE_ENERGY
    -20.81 LEN_BP_RATIO  3.55555555555556
CUGGACAAGAUAAUAAAAUACUCGUAAGCCUUCUGGAUCCCUUGGAUUGAUUGACAUCAAUAAGG
GAACCAAUUUUUGAUGUUGUAAAAGAAAUGUGUUCAUCUCCAAUG
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>random_seq_from_cds__NO_1406 RANDOM_LENGTH 75  SEQ_LENGTH    58
   GC_CONTENT    0.431034482758621    BASEPAIR  20  FREE_ENERGY
   -17.10 LEN_BP_RATIO  2.9
CAAGUUCAUCAAUGACUAUGGCACCCAUUACAUCACAUCUGGAUCCAUGGGUGGCAUUUAUGAAU
AUAUCCUGGU
>random_seq_from_cds__NO_1417 RANDOM_LENGTH 75  SEQ_LENGTH    66
   GC_CONTENT    0.560606060606061    BASEPAIR  21  FREE_ENERGY
   -23.40 LEN_BP_RATIO  3.14285714285714
CAAUGGGGGUAUCUCUUCCGAUAGGAGACCUCACAGGCUAGGCCUUGGGAUCCAACAGGACAGAU
GCAGUCACAG
>random_seq_from_cds__NO_1420 RANDOM_LENGTH 102 SEQ_LENGTH    88
   GC_CONTENT    0.636363636363636    BASEPAIR  30  FREE_ENERGY
   -35.60 LEN_BP_RATIO  2.93333333333333
GAUGAUGGCUGGGUUGUACUGCACAGCGUCUCCCCACUCCUGCAUCAGGUCCGCCGUCGGCAGCU
CCUGGUAUGCCAGGGUGGUGAUGUGCUCACUUGCCCC
>random_seq_from_cds__NO_1423 RANDOM_LENGTH 81  SEQ_LENGTH    64
   GC_CONTENT    0.484375  BASEPAIR  21  FREE_ENERGY   -17.60
   LEN_BP_RATIO  3.04761904761905
CAUGGCCUCUUUGUUCAUAACGAGGGUGUAUUCAUAAAUGCCCCCAAGCACAGCCUCUGUGAUGU
AGUGGGUCCCAAAAUC
>random_seq_from_cds__NO_1470 RANDOM_LENGTH 110 SEQ_LENGTH    105
   GC_CONTENT    0.419047619047619    BASEPAIR  33  FREE_ENERGY
   -31.40 LEN_BP_RATIO  3.18181818181818
GAGAUGUCAAUGCUGAAUGCAUAUAAACCCAAGGAGCAAGGCUAAAGAGCUACCUCUUUCUGCUG
UACGCUUUAUGGAAGAAUUGGGUGAGUGUGCCUUUGGAAAAAUCU
>random_seq_from_cds__NO_1473 RANDOM_LENGTH 85  SEQ_LENGTH    74
   GC_CONTENT    0.445945945945946    BASEPAIR  26  FREE_ENERGY
   -29.82 LEN_BP_RATIO  2.84615384615385
GUGCAUGCUUUUUGAGUAUAUUAAUCAGGGGGAUCUCCAUGAGUUCCUCAUCAUGAGAUCCCCAC
ACUCUGAUGUUGGCUGCAGC
>random_seq_from_cds__NO_1495 RANDOM_LENGTH 110 SEQ_LENGTH    96
   GC_CONTENT    0.572916666666667    BASEPAIR  28  FREE_ENERGY
   -27.79 LEN_BP_RATIO  3.42857142857143
ACUCUCAGGCUUCAGAGAUUUAACAGCCACCUGCUCCCCUGUAUUGUCCCCUUCGGGGUCAUACC
UGCAGAGCUCAACCUUCCCAAAGUGGCCCCUCUCCCAAGUCACGG
>random_seq_from_cds__NO_1507 RANDOM_LENGTH 86  SEQ_LENGTH    71
   GC_CONTENT    0.577464788732394    BASEPAIR  27  FREE_ENERGY
   -25.30 LEN_BP_RATIO  2.62962962962963
GGUUGGAGAUUUCCUCGGGGCUUGGGCUGGCAGCAGCGUUUUAGCAUGAAGCUGAUGUUAUCCGU
GCGCAGGAUCUGCUUCUUGAG
>random_seq_from_cds__NO_1522 RANDOM_LENGTH 86  SEQ_LENGTH    66
   GC_CONTENT    0.454545454545455    BASEPAIR  24  FREE_ENERGY
   -18.20 LEN_BP_RATIO  2.75
AUUUUUCUGCUUCUUUGGAGAAUGACGCCACACUGACUGCUCAUUGUCGUUGGUUCCAUGCCAAU
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UGGUGAAAUAGAACCCUCAUC
>random_seq_from_cds__NO_1530 RANDOM_LENGTH 90  SEQ_LENGTH    73
    GC_CONTENT    0.397260273972603    BASEPAIR  25  FREE_ENERGY
    -15.90 LEN_BP_RATIO  2.92
UUCUGGAACCACAUGCUUCUAUGUACUGCACUGCUGAAUGUCCCAAACAUUUUCAAGAGACACUG
AUAUGUGGAAAAGACAUUUCUUCUG
>random_seq_from_cds__NO_1558 RANDOM_LENGTH 89  SEQ_LENGTH    76
    GC_CONTENT    0.368421052631579    BASEPAIR  26  FREE_ENERGY
    -15.70 LEN_BP_RATIO  2.92307692307692
GGCCAAAGGAAGACAUGAUUUGCUGGAUCUGAAACCAUUUACAGAAUAUGAAUUUCAGAUUUCCU
CUAAGCUACAUCUUUAUAAGGGAA
>random_seq_from_cds__NO_1563 RANDOM_LENGTH 74  SEQ_LENGTH    56
    GC_CONTENT    0.607142857142857    BASEPAIR  20  FREE_ENERGY
    -25.20 LEN_BP_RATIO  2.8
CGUAUUAACAUAAUGAACCUGUGUGAGGCAGGGGUUGCUGGCUCCUCGCCAGGUCUCUGCAAACU
CAGAGGGCA
>random_seq_from_cds__NO_1571 RANDOM_LENGTH 100 SEQ_LENGTH    81
    GC_CONTENT    0.481481481481481    BASEPAIR  26  FREE_ENERGY
    -22.83 LEN_BP_RATIO  3.11538461538462
CAUGGUGGGCAUUUUCUCAACGCAUUACUUCCAGCAAAAGGGUGUUUGUUCUCCUAGCAGCCCUC
AGACCUCAGUGGUGUAGCAGAGAAAUUCCAGAUCC
>random_seq_from_cds__NO_1579 RANDOM_LENGTH 82  SEQ_LENGTH    67
    GC_CONTENT    0.626865671641791    BASEPAIR  23  FREE_ENERGY
    -21.60 LEN_BP_RATIO  2.91304347826087
GAUAAGGUGGGGGAUGCCCUGGAGGAAGUGCUCAGCAAAGCCCUGAGUCAGCGCACGAUCACUGU
CGGGGUGUACGAAGCGG
>random_seq_from_cds__NO_1582 RANDOM_LENGTH 71  SEQ_LENGTH    63
    GC_CONTENT    0.80952380952381 BASEPAIR  23  FREE_ENERGY
    -34.90 LEN_BP_RATIO  2.73913043478261
UGCGCGUCAGCAACCCGGGCCGGCUGGCGGAGCUCCUGCUCUUGGAGACCGACGCUGGCCCCGCG
GCGAGC
>random_seq_from_cds__NO_1585 RANDOM_LENGTH 110 SEQ_LENGTH    100
    GC_CONTENT    0.76   BASEPAIR  37  FREE_ENERGY   -57.80
    LEN_BP_RATIO  2.7027027027027
CCUGAACGGUGACAUGAGCAACACUACCGUCGUCCCCAGCACUGCAGGUCCGGGCCCCAGCGGCG
GGCCCGGUGGCGGAGGUGGUGGUGGCGGCGGAGGCGGCGGCACCG
>random_seq_from_cds__NO_1587 RANDOM_LENGTH 73  SEQ_LENGTH    62
    GC_CONTENT    0.516129032258065    BASEPAIR  21  FREE_ENERGY
    -19.60 LEN_BP_RATIO  2.95238095238095
UUCGCCUUUGCCAGUCUCAUCUCGUGUCUGCUUUGUUAAGUUCCAUGAUCCAGACUCAGCAGUUG
UGGCACAG
>random_seq_from_cds__NO_1633 RANDOM_LENGTH 81  SEQ_LENGTH    68
    GC_CONTENT    0.426470588235294    BASEPAIR  24  FREE_ENERGY
    -16.90 LEN_BP_RATIO  2.83333333333333
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UUUUCUACUAUAAGUACCAGAGCGAAUGUAUGUCUCCACGGGGUUGACACCACAUGCAUGGACCU
UGAUUAGAACCCUGAU
>random_seq_from_cds__NO_1636 RANDOM_LENGTH 87  SEQ_LENGTH    73
   GC_CONTENT    0.506849315068493   BASEPAIR  25  FREE_ENERGY
   -18.10 LEN_BP_RATIO  2.92
UGCCCAUAAUCCCAGAAUAAAGCCCCCAGGAGGAUGCCAGUCUUUCAGCUUCGGUUUCCUGGUGU
AUUAUCUGAGCUACAGGAAGUU
>random_seq_from_cds__NO_1646 RANDOM_LENGTH 110 SEQ_LENGTH    90
   GC_CONTENT    0.433333333333333   BASEPAIR  33  FREE_ENERGY
   -26.30 LEN_BP_RATIO  2.72727272727273
AACACUGUAGCUGGUUUGGGAUUUCUAGGAUUACAGGCCAUAUCAUCUGCAAGCAUUAGGACAAU
GUGACCUGUCAGGAAUACCUAGCCUCUUGACACUUCUAUAAACAG
>random_seq_from_cds__NO_1655 RANDOM_LENGTH 87  SEQ_LENGTH    77
   GC_CONTENT    0.649350649350649   BASEPAIR  32  FREE_ENERGY
   -45.80 LEN_BP_RATIO  2.40625
GAGGCCCAGGAGGUCCAUGGGGGCCUGGGACACCAUGGGGCCCAUGGGGUACAGGUGGCCCUAAA
GGAUUUACUGGGCCCACCAAUC
>random_seq_from_cds__NO_1675 RANDOM_LENGTH 89  SEQ_LENGTH    82
   GC_CONTENT    0.609756097560976   BASEPAIR  28  FREE_ENERGY
   -25.00 LEN_BP_RATIO  2.92857142857143
CACCAGGCCCGGGGUCCAGCAUACCACAAACGCCCCCUAAGACAGUCAUCACCGUCUUCAUUAGC
UUCAUGGGUGUCCUCCGGCGGCUG
>random_seq_from_cds__NO_1680 RANDOM_LENGTH 68  SEQ_LENGTH    53
   GC_CONTENT    0.415094339622642   BASEPAIR  19  FREE_ENERGY
   -16.70 LEN_BP_RATIO  2.78947368421053
UUUUUGAAACUGGGCCUGUGUUAAACAUCAGGAAUACAUAGGCAAUUCCAGCGAAGAAAUCGGCA
GCA
>random_seq_from_cds__NO_1683 RANDOM_LENGTH 109 SEQ_LENGTH    91
   GC_CONTENT    0.373626373626374   BASEPAIR  31  FREE_ENERGY
   -24.50 LEN_BP_RATIO  2.93548387096774
CAGUGUUGCUCCUAUUAUAAAAAAAGUCCAUGUGCUUGUCAUAGUGACACUCAUUCAUGUCAUUG
UCGUGAAACAGUACGUGAUCUUAAGGGAAGAAACAUCUCACUAG
>random_seq_from_cds__NO_1709 RANDOM_LENGTH 70  SEQ_LENGTH    50
   GC_CONTENT    0.44   BASEPAIR  20  FREE_ENERGY   -19.00
   LEN_BP_RATIO  2.5
CAUCAAUUGAAAAACACAGUGACUGUGGAUAAUACUGUGGGCAACGACACUAUGUUUCUAGUUAC
GUGGC
>random_seq_from_cds__NO_1727 RANDOM_LENGTH 82  SEQ_LENGTH    63
   GC_CONTENT    0.492063492063492   BASEPAIR  20  FREE_ENERGY
   -17.20 LEN_BP_RATIO  3.15
GAAGACAAAGGCUGACUAUGUGAGACCAAAACUUGAGACCUACAAAAAUGGCUGAUGUUCUGGUU
GCUGAGUCUACUCCUCC
>random_seq_from_cds__NO_1738 RANDOM_LENGTH 82  SEQ_LENGTH    62
   GC_CONTENT    0.483870967741936   BASEPAIR  22  FREE_ENERGY
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    -18.31 LEN_BP_RATIO  2.81818181818182
CGGAUGGGGAAGACAACACUAUAAGUGGGUGCUUUAACGAGGUCAAACAAAGUGGUGCCAUCAUC
CACACAGUCGCUUUGGG
>random_seq_from_cds__NO_1774 RANDOM_LENGTH 94  SEQ_LENGTH    73
    GC_CONTENT    0.465753424657534    BASEPAIR  24  FREE_ENERGY
    -20.20 LEN_BP_RATIO  3.04166666666667
GGAAAAUUUCACAGUGGAUGCAACUUCCAAAAUGGCCUAUCUCAGUAUUCCAGGAACUGCAAAGG
GUGGGCACUUGGGCAUACAAUCUUCAAGC
>random_seq_from_cds__NO_1787 RANDOM_LENGTH 87  SEQ_LENGTH    57
    GC_CONTENT    0.385964912280702    BASEPAIR  20  FREE_ENERGY
    -15.50 LEN_BP_RATIO  2.85
AUUGAAAAGCUCACUGGUAACUUUGAAUAACAAUGGAUAUGAUGGCAUUGUCAUUGCAAUUAAUC
CCAGUGUACCAGAAGAUGAAAA
>random_seq_from_cds__NO_1833 RANDOM_LENGTH 71  SEQ_LENGTH    62
    GC_CONTENT    0.564516129032258    BASEPAIR  23  FREE_ENERGY
    -22.40 LEN_BP_RATIO  2.69565217391304
UCCUGGAGGGUUUCUGUGGGCAGCUGCACCUUCUGGCCCAUCUGCUGUUCAUAGUGGGCAAUAGC
CUUUUG
>random_seq_from_cds__NO_1844 RANDOM_LENGTH 79  SEQ_LENGTH    68
    GC_CONTENT    0.529411764705882    BASEPAIR  25  FREE_ENERGY
    -25.20 LEN_BP_RATIO  2.72
UCUGGAUUCGCCAUCAGUCGCCCAUUAGUGUUCUCAAUGAGGCACAUUGGGCCUGUCAUGUGGAU
CUCUGAUGCCAUGA
>random_seq_from_cds__NO_1846 RANDOM_LENGTH 102 SEQ_LENGTH    60
    GC_CONTENT    0.4 BASEPAIR  25  FREE_ENERGY   -15.30 LEN_BP_RATIO
    2.4
UGAUACAAGAUAAAAAUAAAUACAACACACCCAAAUACAGGAUGAUAGUUCGUGUGACAAACAGA
GAUAUCAUUUGUCAGGAUUGCUUAUGCCCGUAUAGAG
>random_seq_from_cds__NO_1849 RANDOM_LENGTH 62  SEQ_LENGTH    51
    GC_CONTENT    0.490196078431373    BASEPAIR  21  FREE_ENERGY
    -21.80 LEN_BP_RATIO  2.42857142857143
CAAGUGGAGGUGACUGGUGAUGAAUACAAUGUGGAAAGCAUUGAUGGUCAGCCAGGUGCCUU
>random_seq_from_cds__NO_1855 RANDOM_LENGTH 98  SEQ_LENGTH    76
    GC_CONTENT    0.5 BASEPAIR  26  FREE_ENERGY   -29.50 LEN_BP_RATIO
    2.92307692307692
GAAGAAGGAUCGGGUAGCUCAAAAGAAGGCAAGCUUCCUCAGAGCUCAGGAGCGGGCUGCUGAGA
GCUAAAUCAAAGCUCUGCCUGCUUUACAGGAGG
>random_seq_from_cds__NO_1864 RANDOM_LENGTH 68  SEQ_LENGTH    52
    GC_CONTENT    0.557692307692308    BASEPAIR  20  FREE_ENERGY
    -18.00 LEN_BP_RATIO  2.6
CCACUGCAAUGCCGAUGGCCAUUGUGUUGUGUCCUUUCAAUUAUGUCCAGGCGCAGCUGGUGUCC
GUG
>random_seq_from_cds__NO_1869 RANDOM_LENGTH 81  SEQ_LENGTH    59
    GC_CONTENT    0.627118644067797    BASEPAIR  22  FREE_ENERGY
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    -27.70 LEN_BP_RATIO  2.68181818181818
GUAGUUGACGCCAGAGUUCCGGGGACCUGGCGCCUCAUUCUGCUUGGCUGUGAGCAGUUCUGUGU
GGCUUCCCUGGGCACA
>random_seq_from_cds__NO_1877 RANDOM_LENGTH 92  SEQ_LENGTH    75
    GC_CONTENT    0.666666666666667    BASEPAIR  30  FREE_ENERGY
    -37.30 LEN_BP_RATIO  2.5
GGUUGCCCACGUAGCAGCGCACCAGGCCGGGGAUGGAGUCGAAGCUCUCCAUCUCGAACUGGUAC
UGCACGCGGCUGUAGGCCUCGCUGAGU
>random_seq_from_cds__NO_1887 RANDOM_LENGTH 110 SEQ_LENGTH    97
    GC_CONTENT    0.463917525773196    BASEPAIR  33  FREE_ENERGY
    -27.00 LEN_BP_RATIO  2.93939393939394
AGUCAAAUCUGGUGGCAUCACACAGCAGGAGGCAAGAUUAACUUGGUUACUAUUUGGUUUUACCC
UGUGCCCACUGAUACAGCUGUUCCAACUGUGUUUUGUCUAGAUCA
>random_seq_from_cds__NO_1897 RANDOM_LENGTH 89  SEQ_LENGTH    78
    GC_CONTENT    0.487179487179487    BASEPAIR  27  FREE_ENERGY
    -24.50 LEN_BP_RATIO  2.88888888888889
ACAGGGUUCAGGUCAGGAAGCAGGUCGUCCUUCGGGGAUUUGAUCUUCAUUGUGACGAUAUAGCC
AUCUCCAAAUCUUGGACUUGAGAU
>random_seq_from_cds__NO_1911 RANDOM_LENGTH 72  SEQ_LENGTH    52
    GC_CONTENT    0.538461538461538    BASEPAIR  19  FREE_ENERGY
    -16.40 LEN_BP_RATIO  2.73684210526316
AUCCCAUACAGCAGGAGCAGUGCCACAAGGGCAGGAAGGUUUUCUGGAGAAGUGUAGGCUUUCUU
CUGAAAC
>random_seq_from_cds__NO_1914 RANDOM_LENGTH 80  SEQ_LENGTH    57
    GC_CONTENT    0.491228070175439    BASEPAIR  20  FREE_ENERGY
    -20.30 LEN_BP_RATIO  2.85
GAAGGACAUGGAGAAAAUCACGCAGAUGGCAACCACAGCAUCCACUGAAGUGGUCAGCCACUGUA
AUCUCUGAGAGCUGC
>random_seq_from_cds__NO_1930 RANDOM_LENGTH 110 SEQ_LENGTH    101
    GC_CONTENT    0.475247524752475    BASEPAIR  29  FREE_ENERGY
    -25.17 LEN_BP_RATIO  3.48275862068966
CUUAUUUGGAAGAAGGAAGAUAAGUUCUUGACCAAUGCACUCCACCAGCUUUGCCUCUGGAACAU
GGUGGAGAACUACAUCCAUCAGCUCAUUUACAUCCCCCAUCCAGG
>random_seq_from_cds__NO_1940 RANDOM_LENGTH 98  SEQ_LENGTH    83
    GC_CONTENT    0.542168674698795    BASEPAIR  24  FREE_ENERGY
    -28.90 LEN_BP_RATIO  3.45833333333333
AGUCCGUGUAUUCCUUCUGGGUGCUCUGGAUCCUCCGUUUCCUCUGUUAGGGGCUCGGUCUUUUC
CAGGGCUCUUUCUUCUCUGGUUGAACACCCCUU
>random_seq_from_cds__NO_1946 RANDOM_LENGTH 92  SEQ_LENGTH    65
    GC_CONTENT    0.476923076923077    BASEPAIR  26  FREE_ENERGY
    -21.70 LEN_BP_RATIO  2.5
ACAGGAAGAGGAUGAAUGGGUCGCUGUAAUGUAGGAUUCUUCCAUGCCAUGAUGAAUAUCGUCAG
GAGGAAGAUGCUCAUCGACAUGAUGGA
>random_seq_from_cds__NO_1953 RANDOM_LENGTH 84  SEQ_LENGTH    77
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    GC_CONTENT    0.519480519480519   BASEPAIR  28  FREE_ENERGY
    -22.40 LEN_BP_RATIO  2.75
CAUGUCAGGGAAUACCACUCCGGCCCAGAACAUGUUUUCCUCCAGUAGAGAGAGGGCACGUUGGG
UGAGCUGAGUUUCAUCAUU
>random_seq_from_cds__NO_1959 RANDOM_LENGTH 81  SEQ_LENGTH    70
    GC_CONTENT    0.4 BASEPAIR  28  FREE_ENERGY   -19.70 LEN_BP_RATIO
    2.5
CUGGAUCAAUGCAUUACAAAAGGAUGCUUGUUCUUCUGUCAUAAGAAUAGAUAGGAUCCUUCCUU
GUGGAGUCAAUCCCCA
>random_seq_from_cds__NO_1970 RANDOM_LENGTH 72  SEQ_LENGTH    49
    GC_CONTENT    0.469387755102041   BASEPAIR  20  FREE_ENERGY
    -18.90 LEN_BP_RATIO  2.45
UGUUGGGGAAAUGGCCAUUCAUGAUGGCUGUAGAGUGGGUUGGCAUUCCUUAACCAGAUCAAGAC
CAGAAAU
>random_seq_from_cds__NO_1998 RANDOM_LENGTH 70  SEQ_LENGTH    58
    GC_CONTENT    0.431034482758621   BASEPAIR  20  FREE_ENERGY
    -16.60 LEN_BP_RATIO  2.9
UCUUCCGGUUAACUGUUCGGGAGGGAAUCACUGCUUGAACACUGAAACAGUAGUUUUCUCCUUUA
UCCAC
>random_seq_from_cds__NO_2005 RANDOM_LENGTH 63  SEQ_LENGTH    54
    GC_CONTENT    0.796296296296296   BASEPAIR  19  FREE_ENERGY
    -27.10 LEN_BP_RATIO  2.84210526315789
ACCUGGGCGAAGACCCAGCCGAGCAGGAGCGUCCGAGCGACGGCGGUCUCGGGGCGCGGGACC
>random_seq_from_cds__NO_2007 RANDOM_LENGTH 84  SEQ_LENGTH    61
    GC_CONTENT    0.459016393442623   BASEPAIR  22  FREE_ENERGY
    -17.50 LEN_BP_RATIO  2.77272727272727
CUGACGAACUACUCUCAGGCAGUGUUCUCAGUAGUCCGAACUCUAAUAUGAGCAGCAUGGUAGUU
ACAGGCCAAUGGUAAUGAU
>random_seq_from_cds__NO_2020 RANDOM_LENGTH 90  SEQ_LENGTH    69
    GC_CONTENT    0.405797101449275   BASEPAIR  24  FREE_ENERGY
    -16.50 LEN_BP_RATIO  2.875
AGACAGCGCUCUAAUACAGAUGGCUGAUGGAAACCAAUCACAACUUGGCCAUGAAUCAUCUUAAU
GGACAGAAAAUGUAUGGAAAAAUUA
>random_seq_from_cds__NO_2031 RANDOM_LENGTH 75  SEQ_LENGTH    54
    GC_CONTENT    0.518518518518518   BASEPAIR  21  FREE_ENERGY
    -24.50 LEN_BP_RATIO  2.57142857142857
UCCAUGAGUUCAGCUAUACGUGGAACUGGUUUCCCUUUCUGGUGACUCACAGUAGCUGGACUCUG
UCCAUCCCAG
>random_seq_from_cds__NO_2038 RANDOM_LENGTH 81  SEQ_LENGTH    75
    GC_CONTENT    0.546666666666667   BASEPAIR  27  FREE_ENERGY
    -27.30 LEN_BP_RATIO  2.77777777777778
UUGUCCAGGGCCAUACAUGGGGCCAGAGGUGGUUCCCCGGAUGAUUCUGGGGGAAACAUUUGUCA
CAAUGUCCCUUAUCAA
>random_seq_from_cds__NO_2053 RANDOM_LENGTH 88  SEQ_LENGTH    77
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    GC_CONTENT    0.493506493506494    BASEPAIR  30  FREE_ENERGY
    -27.80 LEN_BP_RATIO  2.56666666666667
UGGGGGAGGCAGCGAAGGAUUUCUGAUCUGUGGGAUACUCAUUGCUUUGAAUACCCUCAGUAGCA
AAUUGCUGCAAUCCACCAAUAUU
>random_seq_from_cds__NO_2061 RANDOM_LENGTH 85  SEQ_LENGTH    62
    GC_CONTENT    0.483870967741936    BASEPAIR  22  FREE_ENERGY
    -15.40 LEN_BP_RATIO  2.81818181818182
AUGAGUCUGUCCCAGAGAAUGUGCUGAGUUUCGAUGACCUUACUGCAGACGCUUUAGCUGAACCU
GAAAGUCUCACAAAUCAAAA
>random_seq_from_cds__NO_2065 RANDOM_LENGTH 80  SEQ_LENGTH    71
    GC_CONTENT    0.535211267605634    BASEPAIR  23  FREE_ENERGY
    -20.90 LEN_BP_RATIO  3.08695652173913
UGGUGUUCCUGGAACAGGCUCUCAUCCAGUAUGCCCUUCGCACCUUGGGAAGUCGGGGCUACAUU
CCCAUUUAUACCCCC
>random_seq_from_cds__NO_2071 RANDOM_LENGTH 73  SEQ_LENGTH    57
    GC_CONTENT    0.56140350877193 BASEPAIR  23  FREE_ENERGY
    -20.00 LEN_BP_RATIO  2.47826086956522
AAUAUUGUCUCAGGGUUCUUUGAAUCAUGCUGCCAGUAAGAAGCUUGACCUGGAGGCCUGGUUUC
CGGGCUCA
>random_seq_from_cds__NO_2072 RANDOM_LENGTH 63  SEQ_LENGTH    54
    GC_CONTENT    0.62962962962963 BASEPAIR  22  FREE_ENERGY
    -25.10 LEN_BP_RATIO  2.45454545454545
GGAGCCUUCCGUGAGUUGGUCUCCUGUUCUAAUUGCACGGAUUACCAGGCUCGCCGGCUUCGA
>random_seq_from_cds__NO_2082 RANDOM_LENGTH 85  SEQ_LENGTH    76
    GC_CONTENT    0.684210526315789    BASEPAIR  24  FREE_ENERGY
    -28.60 LEN_BP_RATIO  3.16666666666667
CCUGCAAGCUGGCACAGGCCCCCGGGCUCAGGGCAGGGGAAAGGUCACCAGAAGAGUCCCUGGGU
GGGCGUCGGAAAAGGAAUGU
>random_seq_from_cds__NO_2096 RANDOM_LENGTH 94  SEQ_LENGTH    81
    GC_CONTENT    0.592592592592593    BASEPAIR  29  FREE_ENERGY
    -29.30 LEN_BP_RATIO  2.79310344827586
CAGGCUGGAUCUCUGUGGCUGCUGAACUGGACCGGGAGGAAGUUGAUUUCUACAGCUUUGGGGUA
GAAGCUCGAGACCAUGGCACUCCAGCACU
>random_seq_from_cds__NO_2098 RANDOM_LENGTH 88  SEQ_LENGTH    80
    GC_CONTENT    0.5875 BASEPAIR  27  FREE_ENERGY   -29.10
    LEN_BP_RATIO  2.96296296296296
GCGGCUCAAUGAGGAUGCAGCUGUGGGCACCAGCGUGGUGACGGUGUCAGCUGUGGACCGUGAUG
CUCAUAGUGUCAUCACCUACCAG
>random_seq_from_cds__NO_2103 RANDOM_LENGTH 110 SEQ_LENGTH    84
    GC_CONTENT    0.595238095238095    BASEPAIR  27  FREE_ENERGY
    -32.60 LEN_BP_RATIO  3.11111111111111
AUCGAUGCAGACACGGGGGCUGUCACCACCCAGGCUGAGCUGGACUAUGAAGACCAAGUGUCUUA
CACCCUGGCCAUUACUGCUCGGGACAAUGGCAUUCCCCAGAAGUC
>random_seq_from_cds__NO_2110 RANDOM_LENGTH 64  SEQ_LENGTH    47
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    GC_CONTENT    0.531914893617021    BASEPAIR  19  FREE_ENERGY
    -17.30 LEN_BP_RATIO  2.47368421052632
AACAUCCCUGAGGUCUUUCAGCUGGACAUCUUCUCCGGGGAGCUGACAGCCCUGGUAGACUUAG
>random_seq_from_cds__NO_2119 RANDOM_LENGTH 86  SEQ_LENGTH    75
    GC_CONTENT    0.666666666666667    BASEPAIR  25  FREE_ENERGY
    -24.00 LEN_BP_RATIO  3
CUGCCUGCGGGAGCCCUGCGAGAACUACAUGCGCUGCGUGUCGGUGCUGCGCUUCGACUCCUCCG
CGCCCUUCAUCGCCUCCUCCU
>random_seq_from_cds__NO_2120 RANDOM_LENGTH 87  SEQ_LENGTH    83
    GC_CONTENT    0.734939759036145    BASEPAIR  28  FREE_ENERGY
    -33.70 LEN_BP_RATIO  2.96428571428571
CCGUGCUCUUCCGGCCCAUCCACCCCGUCGGAGGGCUGCGCUGCCGCUGCCCGCCCGGCUUCACG
GGUGACUACUGCGAGACCGAGG
>random_seq_from_cds__NO_2127 RANDOM_LENGTH 85  SEQ_LENGTH    70
    GC_CONTENT    0.642857142857143    BASEPAIR  26  FREE_ENERGY
    -31.10 LEN_BP_RATIO  2.69230769230769
ACUGUUGGGUCAGACAGGGCUCCCACAGGGCCCAUCAGAGCAGAAGGUGGCUGUGGUGACCGUGG
AUGGCUGUGACACAGGAGUG
>random_seq_from_cds__NO_2128 RANDOM_LENGTH 71  SEQ_LENGTH    63
    GC_CONTENT    0.650793650793651    BASEPAIR  24  FREE_ENERGY
    -32.30 LEN_BP_RATIO  2.625
GCCUUGCGCUUCGGAUCUGUCCUGGGCAACUACUCCUGUGCUGCCCAGGGCACCCAGGGUGGCAG
CAAGAA
>random_seq_from_cds__NO_2160 RANDOM_LENGTH 90  SEQ_LENGTH    61
    GC_CONTENT    0.655737704918033    BASEPAIR  20  FREE_ENERGY
    -27.00 LEN_BP_RATIO  3.05
UGCCCUGGGCCUGGCUCAGCUGGUCUUCCUCCUGGGAAUCAACCAGGCUGACCUCCCUGUUUGCC
UGCACAGUCAUUGCCAUCCUGCUGC
>random_seq_from_cds__NO_2166 RANDOM_LENGTH 73  SEQ_LENGTH    51
    GC_CONTENT    0.627450980392157    BASEPAIR  19  FREE_ENERGY
    -18.90 LEN_BP_RATIO  2.68421052631579
UCCUAUGUGGUGCUUAGCAAGGAGGUCCGGAAAGCACUCAAGCUUGCCUGCAGCCGCAAGCCCAG
CCCUGACC
>random_seq_from_cds__NO_2173 RANDOM_LENGTH 73  SEQ_LENGTH    63
    GC_CONTENT    0.666666666666667    BASEPAIR  22  FREE_ENERGY
    -26.10 LEN_BP_RATIO  2.86363636363636
CCCCUGAGGAGCGGCUGCGGGAGAAUGGAGAUGCCCUGUCUCGAGAGGGGUCCCUAGGCCCCCUU
CCAGGCUC
>random_seq_from_cds__NO_2186 RANDOM_LENGTH 68  SEQ_LENGTH    48
    GC_CONTENT    0.520833333333333    BASEPAIR  19  FREE_ENERGY
    -24.60 LEN_BP_RATIO  2.52631578947368
GCUAGGCCAGUGAAAUAGAUGGGGUCCCUGGUGAACGUGUAGGUUUGCCAGCAUUGACCUUCGUC
UGU
>random_seq_from_cds__NO_2198 RANDOM_LENGTH 77  SEQ_LENGTH    62
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    GC_CONTENT    0.387096774193548    BASEPAIR   22  FREE_ENERGY
    -15.10 LEN_BP_RATIO  2.81818181818182
GAGGGCUAUACAUCAUCUGAGUGAGAGGAUGAAAAGGGAGAUCUGUUUGCACAAAAUUCUUCGCA
AAAUCUGAUGAU
>random_seq_from_cds__NO_2200 RANDOM_LENGTH 102 SEQ_LENGTH    81
    GC_CONTENT    0.382716049382716    BASEPAIR   27  FREE_ENERGY
    -19.60 LEN_BP_RATIO  3
GCCAAAUUCAGUCCGAAUAAAGGUGUUAUUGAUGAGAUCUGUAAUAUCCUUAAAGUUCUUCCCAU
AAUCCUCACCUUCGAUAUAGCUUGGACUGUCCAAAAG
>random_seq_from_cds__NO_2211 RANDOM_LENGTH 79  SEQ_LENGTH    52
    GC_CONTENT    0.557692307692308    BASEPAIR   19  FREE_ENERGY
    -17.75 LEN_BP_RATIO  2.73684210526316
AAUUAGCCCACUCAUGGCACAACCCUAUGUGAGCAUCAAUCUCUACAAUUUUCUCAAUGCUGCUG
GGCUCCAUCAGUGG
>random_seq_from_cds__NO_2218 RANDOM_LENGTH 97  SEQ_LENGTH    75
    GC_CONTENT    0.52   BASEPAIR   26  FREE_ENERGY   -20.30
    LEN_BP_RATIO  2.88461538461538
GACUCAUGCAUACGAUUCCACUUCGUCAUCUUCCACCAGCACCAUAUCAUAGGCACUGAGGGCUG
CACAGAAAAUGAUGCAGGUGACUCCCUCGAAG
>random_seq_from_cds__NO_2221 RANDOM_LENGTH 102 SEQ_LENGTH    68
    GC_CONTENT    0.544117647058823    BASEPAIR   23  FREE_ENERGY
    -21.80 LEN_BP_RATIO  2.95652173913043
UAAUUCGUUCUAAUUGGUUCAGGUAGCUAAGAUGCGGAGUCAUUAAGCUGGUAUUCUGCAGCUCU
CUCGAAGCAGGCUUGCACCCCACCAUCCUUCCACAAC
>random_seq_from_cds__NO_2234 RANDOM_LENGTH 85  SEQ_LENGTH    74
    GC_CONTENT    0.621621621621622    BASEPAIR   26  FREE_ENERGY
    -29.30 LEN_BP_RATIO  2.84615384615385
UCACAAAGAUGGCUGUCUGGGGCAACAAGUAGCAUGCCCAUGACUCUGGGGUACUGGGACAUCCG
UGGGGCUGGCCCACGCCAUC
>random_seq_from_cds__NO_2239 RANDOM_LENGTH 68  SEQ_LENGTH    53
    GC_CONTENT    0.509433962264151    BASEPAIR   20  FREE_ENERGY
    -17.50 LEN_BP_RATIO  2.65
UGGGGAAGCGGCCAUGGUUUGCAGGAGACAAGGAUCACCUUUGUGGAUUUCCUUGCCUAUGAUGU
CCU
>random_seq_from_cds__NO_2247 RANDOM_LENGTH 88  SEQ_LENGTH    75
    GC_CONTENT    0.52   BASEPAIR   25  FREE_ENERGY   -20.50
    LEN_BP_RATIO  3
UCAUUUGCUGCAGUGUUGUGGUAUAAAUGGCACGAGUGAUUGGACCAGUGGCCCACCAGCAUCUU
GCCCCUCAGAUCGAAAAGUGGAG
>random_seq_from_cds__NO_2263 RANDOM_LENGTH 110 SEQ_LENGTH    84
    GC_CONTENT    0.476190476190476    BASEPAIR   28  FREE_ENERGY
    -19.53 LEN_BP_RATIO  3
UGAAGAACGGCCAAGGUUUUGCACUAGUAUAUUCUAUUACAGCUCAGUCCACGUUUAACGACUUA
CAGGACCUGAGGGAACAGAUUUUACGGGUUAAGGACACGGAAGAU
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>random_seq_from_cds__NO_2276 RANDOM_LENGTH 110 SEQ_LENGTH    87
    GC_CONTENT    0.540229885057471    BASEPAIR  28  FREE_ENERGY
    -29.80 LEN_BP_RATIO  3.10714285714286
UGGAACGGAACACAUCACUAGAUCCUGGGAACCUGGAUCAUCCAUGUCAUGUUGGGGCAGUGGAU
GCGAUUGCAGACGAACCAGGAGGAGAGUUUGCUCCACUCAUCAGG
>random_seq_from_cds__NO_2277 RANDOM_LENGTH 90  SEQ_LENGTH    76
    GC_CONTENT    0.605263157894737    BASEPAIR  29  FREE_ENERGY
    -28.50 LEN_BP_RATIO  2.62068965517241
ACUGCGGCCAUAGAUGGACAGGCGGGGCUCAGCAUGCUGGUACUUGGCCUCCACCAGGUCCGCAC
CUACCUCCCUUGAUGAUAGUGGCAA
>random_seq_from_cds__NO_2285 RANDOM_LENGTH 77  SEQ_LENGTH    67
    GC_CONTENT    0.522388059701492    BASEPAIR  25  FREE_ENERGY
    -23.50 LEN_BP_RATIO  2.68
AGGAAGGUUGUCUGUUCGGAAGGGGUCCUCUCCCUUCUUCACAGGAGGAGUAAAGACCUGGAUAG
AAGCUCUCAUUU
>random_seq_from_cds__NO_2288 RANDOM_LENGTH 85  SEQ_LENGTH    78
    GC_CONTENT    0.371794871794872    BASEPAIR  27  FREE_ENERGY
    -17.10 LEN_BP_RATIO  2.88888888888889
UGGAGAUGAGGAAAUGUAUUCAUCAAUGUGGGACAGUUUGGUGGAAGAUGUUUCACUUAGUGGAA
UGGACAAAUUAACAGUCUUC
>random_seq_from_cds__NO_2294 RANDOM_LENGTH 95  SEQ_LENGTH    75
    GC_CONTENT    0.466666666666667    BASEPAIR  26  FREE_ENERGY
    -18.50 LEN_BP_RATIO  2.88461538461538
UAACUCUUGGCCAGUUCGUGGGCUUGUUUUGUAUCAACUGUCCUUGUUGGCAAAUCACACUUGUU
UCCCACUAGCACCAUAGGUACAUCAUCCGA
>random_seq_from_cds__NO_2334 RANDOM_LENGTH 75  SEQ_LENGTH    58
    GC_CONTENT    0.5 BASEPAIR  19  FREE_ENERGY   -15.40 LEN_BP_RATIO
    3.05263157894737
UUGCACAUGAUGACAGGUGUGAUGUACCUACAGUUUGUACCCAAGUCUCACCUCUUCUUCACUGC
CGGAAAAGAU
>random_seq_from_cds__NO_2339 RANDOM_LENGTH 85  SEQ_LENGTH    66
    GC_CONTENT    0.5 BASEPAIR  21  FREE_ENERGY   -19.77 LEN_BP_RATIO
    3.14285714285714
AAAAUGAAGGAACACAAAGCCAUUUGUAAAGCUGCAGGGAAAGAGGGUUCCACUUCCCAGCAACC
CCAUCCUAAUGGCUUAUGGC
>random_seq_from_cds__NO_2360 RANDOM_LENGTH 87  SEQ_LENGTH    66
    GC_CONTENT    0.621212121212121    BASEPAIR  25  FREE_ENERGY
    -31.80 LEN_BP_RATIO  2.64
ACUUGCCCACAGAGGCUGGGAAAGGAUGAUAGGCUGGGAGAAUGGUCUGAGCUACCUGCCCGUCC
UGCUGGGGCAUCAUGGCAGUGG
>random_seq_from_cds__NO_2366 RANDOM_LENGTH 87  SEQ_LENGTH    75
    GC_CONTENT    0.52   BASEPAIR  23  FREE_ENERGY   -18.40
    LEN_BP_RATIO  3.26086956521739
ACAUAGGGUUGGGUGAGGCCUGUAAGAUCCCAGGGGAUGUAAUCAUUGGAGAGGAUGUGGUGUCG
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GAAACAUACGUGUGAGGAGAUU
>random_seq_from_cds__NO_2385 RANDOM_LENGTH 110 SEQ_LENGTH    90
    GC_CONTENT    0.511111111111111    BASEPAIR  30  FREE_ENERGY
    -29.12 LEN_BP_RATIO  3
UGUUCUUGUUCACCAGGAAGGGAUCUGCGUGUCAUCCUCUGUUUCUUCAUAGCAGCUGACUUCUC
ACCAUAAUAGGGGUACACCAUGAGUUCCCCCUGGGAGUCCCGCUU
>random_seq_from_cds__NO_2392 RANDOM_LENGTH 81  SEQ_LENGTH    72
    GC_CONTENT    0.708333333333333    BASEPAIR  27  FREE_ENERGY
    -30.40 LEN_BP_RATIO  2.66666666666667
CUGGCAGGGGCUACUGGCACAGCCUGACUCGCAGUCCCGGGGACUGGGGCAGAAGCAGCGGGGUC
CAGAGGCGGUGUGCAC
>random_seq_from_cds__NO_2396 RANDOM_LENGTH 98  SEQ_LENGTH    83
    GC_CONTENT    0.566265060240964    BASEPAIR  29  FREE_ENERGY
    -28.60 LEN_BP_RATIO  2.86206896551724
AGGGGUUGGAGAGGCACUCGUUGAUGUCUCCCUCACAACGCUCCCCAGCAAAGCCAGGCAAGCAG
CGACAACUGUAGCCUCCAAUCCUAUCCAUGCAC
>random_seq_from_cds__NO_2403 RANDOM_LENGTH 84  SEQ_LENGTH    60
    GC_CONTENT    0.633333333333333    BASEPAIR  21  FREE_ENERGY
    -23.20 LEN_BP_RATIO  2.85714285714286
UUCACCAGGGUCCUGACAGUUUUUCCCAGUGUAGCCCAGGGGGCAGCUGCAGCGGUAGGUACCCA
GGCCAUCAACACACGUUCC
>random_seq_from_cds__NO_2422 RANDOM_LENGTH 94  SEQ_LENGTH    80
    GC_CONTENT    0.5125 BASEPAIR  28  FREE_ENERGY   -25.30
    LEN_BP_RATIO  2.85714285714286
AUGCACACCUUUGAAACCCUGGCAUGCACAGACAUGUGAAGCCUCCAAUCUUAUCCAGACAGGUA
GCAUCAUUCUGGCAGGGGUCUGAAUGGCA
>random_seq_from_cds__NO_2423 RANDOM_LENGTH 81  SEQ_LENGTH    61
    GC_CONTENT    0.557377049180328    BASEPAIR  22  FREE_ENERGY
    -15.40 LEN_BP_RATIO  2.77272727272727
CUCAUUGAUGUCCAUCUCACAACGAGGUCCUGCAUAACCCUUCAGACACUCACAGUGGAAGGCGC
CAUCCGUGUUCACACA
>random_seq_from_cds__NO_2424 RANDOM_LENGTH 97  SEQ_LENGTH    74
    GC_CONTENT    0.567567567567568    BASEPAIR  26  FREE_ENERGY
    -34.26 LEN_BP_RATIO  2.84615384615385
UUUUCCUGCAUGCUCACAAGGAUUGCUAUUGGCCCAUGGCACAUUCAUCCACAUCUUCUGUGCAG
UCAGCCCCUUUGUAGCCUUGUGGGCAGGUGCA
>random_seq_from_cds__NO_2443 RANDOM_LENGTH 101 SEQ_LENGTH    83
    GC_CONTENT    0.55421686746988 BASEPAIR  25  FREE_ENERGY
    -31.64 LEN_BP_RATIO  3.32
AGGCUGCUAUGGAGGGACUCAAUGGCCAGGAUUUGAUGGGACAGCCCAUCAGCGUUGACUGGUGU
UUUGUUCGGGGUCCACCAAAAGGCAAGAGGAGGAGG
>random_seq_from_cds__NO_2453 RANDOM_LENGTH 87  SEQ_LENGTH    64
    GC_CONTENT    0.421875  BASEPAIR  20  FREE_ENERGY   -15.09
    LEN_BP_RATIO  3.2
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CCUUCACAUUUCCUUUCACUUUCACCAAGCCAGAAAUGAUACGAUUUGGCAGGUCAUCAUUUAAG
GUUGGAUGCUGACUCAGAGCUC
>random_seq_from_cds__NO_2465 RANDOM_LENGTH 96  SEQ_LENGTH    83
   GC_CONTENT    0.662650602409639    BASEPAIR  31  FREE_ENERGY
   -38.40 LEN_BP_RATIO  2.67741935483871
CCAGCCAAUCCCAGCCAUCCCCCUGUGACUCCAAGAGUGGGGGCCAUACCCCUAAAGCACUCCCU
GGCCCAGGUGGGAGCAUGGGGCUGAAGAAUG
>random_seq_from_cds__NO_2489 RANDOM_LENGTH 97  SEQ_LENGTH    80
   GC_CONTENT    0.6375 BASEPAIR  30  FREE_ENERGY   -42.10
   LEN_BP_RATIO  2.66666666666667
UACGCCCAGGUGGCUCAGACAUGCUGCCUGCUCAGCAGAAGAUGGUGCCACUGCCAUUUGGUGAG
CACCCCCAGCAGGAGUAUGGCAUGGGCCCCAG
>random_seq_from_cds__NO_2493 RANDOM_LENGTH 86  SEQ_LENGTH    55
   GC_CONTENT    0.6 BASEPAIR  22  FREE_ENERGY   -23.10 LEN_BP_RATIO
   2.5
AACCUCAAGUCCCCCCAGACUCCAUCGCAGCUGGCAGGCAUGCUGGCGGGCCCAGCUGCUGCUGC
UUCCAUUAAGUCCCCCCCUGU
>random_seq_from_cds__NO_2518 RANDOM_LENGTH 84  SEQ_LENGTH    72
   GC_CONTENT    0.638888888888889    BASEPAIR  23  FREE_ENERGY
   -32.62 LEN_BP_RATIO  3.1304347826087
GGAGGUGGCACUGGGGGUGGGAAGGAGCCAGGAGGAGGCAUGCCCUGGUGGAGGAAGCCCAGACC
CCAAUGAUGAUACCACAGG
>random_seq_from_cds__NO_2547 RANDOM_LENGTH 70  SEQ_LENGTH    64
   GC_CONTENT    0.5625 BASEPAIR  24  FREE_ENERGY   -26.20
   LEN_BP_RATIO  2.66666666666667
GGUCAACACUGGACGUAUGAGGGGCCCACAUGGUCAGGACCAUUGGCCAGCCUCUUACCCUGAGU
GUGGA
>random_seq_from_cds__NO_2554 RANDOM_LENGTH 85  SEQ_LENGTH    67
   GC_CONTENT    0.462686567164179    BASEPAIR  27  FREE_ENERGY
   -24.20 LEN_BP_RATIO  2.48148148148148
AGUGUGCUCUGGACAGUUUUUUAUAGAAGGUCCCAGAUUUCAAUGGAACAGGCUGGAAAAGCUUC
AGGGGACAUUGUUCUCCACA
>random_seq_from_cds__NO_2556 RANDOM_LENGTH 67  SEQ_LENGTH    61
   GC_CONTENT    0.540983606557377    BASEPAIR  20  FREE_ENERGY
   -15.60 LEN_BP_RATIO  3.05
GGCAGGAUCCUCGUAUACCACAGGGUGAAAUGCUGAGUCUAGGUGUAGGAAUCUUGGUUGGCUGU
CU
>random_seq_from_cds__NO_2562 RANDOM_LENGTH 71  SEQ_LENGTH    58
   GC_CONTENT    0.482758620689655    BASEPAIR  21  FREE_ENERGY
   -20.50 LEN_BP_RATIO  2.76190476190476
UCCCAUGGCUUUGUAGGGAUAGGAAGCGUCUGAGUCGAUGCCCUUGUUAUCAAUGAUGUACUGGA
AAGCCG
>random_seq_from_cds__NO_2592 RANDOM_LENGTH 98  SEQ_LENGTH    78
   GC_CONTENT    0.461538461538462    BASEPAIR  26  FREE_ENERGY
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    -23.50 LEN_BP_RATIO  3
GUGUUGCUUUUGGGUCUUUAUGCUCCUGGGAUAAGGAACUUUGAAGCACAUGCUCCUUUAAGUCU
UUAUUACCCUGUGGUGCAGUGUCUACCUCUCCC
>random_seq_from_cds__NO_2625 RANDOM_LENGTH 106 SEQ_LENGTH    97
    GC_CONTENT    0.628865979381443    BASEPAIR   33  FREE_ENERGY
    -37.00 LEN_BP_RATIO  2.93939393939394
GGAUGUCCUUGGGCUCAAUGACCCUUGUGCAGCUUUGGGGCCCGGGGCUCAGAGCCCACGUCCAC
CACAUAGAUGCGAGAGGAGAUGAGACUGGGCAGCACCAGCU
>random_seq_from_cds__NO_2629 RANDOM_LENGTH 78  SEQ_LENGTH    68
    GC_CONTENT    0.647058823529412    BASEPAIR   24  FREE_ENERGY
    -26.40 LEN_BP_RATIO  2.83333333333333
AAGCGUUUUUGGGGUCGCGGUCCGGACUUUGGGCGGGGGGUCCGGCCCCAGGACAGUUUUACCGC
AUUCCGUCCACUC
>random_seq_from_cds__NO_2630 RANDOM_LENGTH 78  SEQ_LENGTH    74
    GC_CONTENT    0.608108108108108    BASEPAIR   27  FREE_ENERGY
    -24.40 LEN_BP_RATIO  2.74074074074074
CCGAUUCCUUCAUGGAUCCGGCGUCUGCACUUUACAGAGGUCCAAUCACGCGGACCCAGGAACCC
CAUGGUGACCGGG
>random_seq_from_cds__NO_2633 RANDOM_LENGTH 88  SEQ_LENGTH    73
    GC_CONTENT    0.493150684931507    BASEPAIR   27  FREE_ENERGY
    -29.42 LEN_BP_RATIO  2.7037037037037
UUCUCGGCCAGAUGGUGGAUUGAUGAGGAGCUUCUGGGAGAUGGACACAGCUAUAGUCCUAGAGC
UAUUCAUUCAUGGCUGACCAGGG
>random_seq_from_cds__NO_2636 RANDOM_LENGTH 97  SEQ_LENGTH    68
    GC_CONTENT    0.573529411764706    BASEPAIR   24  FREE_ENERGY
    -25.50 LEN_BP_RATIO  2.83333333333333
CAGUGCUAAGCCAGACCGAGGCCCGCGACUUAGUAGAACGCUGCAUGCGAGUGCUGUACUACCGA
GAUGCCCGUUCUUACAACCGGGUUUCAAAUCG
>random_seq_from_cds__NO_2655 RANDOM_LENGTH 100 SEQ_LENGTH    85
    GC_CONTENT    0.517647058823529    BASEPAIR   31  FREE_ENERGY
    -27.91 LEN_BP_RATIO  2.74193548387097
UGAGGACACUCGGUCUCUAGCAAUUUCUUCAGGUCAUCCCUGUAGACGGCAUGGAAAUUCCCCUU
UAUCAGGGAGUACUUGUGGUAGACGUCGAUGAUAG
>random_seq_from_cds__NO_2674 RANDOM_LENGTH 84  SEQ_LENGTH    78
    GC_CONTENT    0.474358974358974    BASEPAIR   25  FREE_ENERGY
    -19.29 LEN_BP_RATIO  3.12
AGUUUGAGUAUCGGACAUGUCAUGCUGCCCAAGGACAUAGCCAAGCUGGUCCCUAAAACCCAUCU
GAUGUCUGAAUCUGAAUGG
>random_seq_from_cds__NO_2675 RANDOM_LENGTH 95  SEQ_LENGTH    85
    GC_CONTENT    0.576470588235294    BASEPAIR   27  FREE_ENERGY
    -26.90 LEN_BP_RATIO  3.14814814814815
AGGAAUCUUGGCGUUCAGCAGAGUCAGGGAUGGGUCCAUUAUAUGAUCCAUGAACCAGGAACCUC
ACAUCUUGCUGUUCCGGCGCCCACUACCCA
>random_seq_from_cds__NO_2676 RANDOM_LENGTH 85  SEQ_LENGTH    69
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    GC_CONTENT    0.579710144927536    BASEPAIR  25  FREE_ENERGY
    -24.00 LEN_BP_RATIO  2.76
AGAAACCAAAGAAAUGACUUAGCUCUCGGAGGCUACAGCCUCCCCGUCGCGGCUCUCCGUCUCCU
CCGGGAUGUCCUGCAUUCUG
>random_seq_from_cds__NO_2686 RANDOM_LENGTH 86  SEQ_LENGTH    79
    GC_CONTENT    0.518987341772152    BASEPAIR  26  FREE_ENERGY
    -23.41 LEN_BP_RATIO  3.03846153846154
CCUCCCUCUUGCGGUGAUCUCAGCUGAUUUCCAUUUCGAUCCCCUCUGGCUAGAGUCUGAGUCAG
CUCUGCAGAGUUCAAUGGAGC
>random_seq_from_cds__NO_2689 RANDOM_LENGTH 68  SEQ_LENGTH    63
    GC_CONTENT    0.682539682539683    BASEPAIR  20  FREE_ENERGY
    -29.30 LEN_BP_RATIO  3.15
UCCUGCAGCAGCCGCUCGCCACGAGGGGACUCAAGGGACUCAGAGCGGAAAAGGCCCCUGGGCAG
GGU
>random_seq_from_cds__NO_2698 RANDOM_LENGTH 82  SEQ_LENGTH    68
    GC_CONTENT    0.661764705882353    BASEPAIR  24  FREE_ENERGY
    -34.00 LEN_BP_RATIO  2.83333333333333
ACCAGCAGGAUGCACUCCUGUACCCCGUGCCGCUUGAGCACGGCGGGGCGGGUCACUUUCCCGGA
UGAAUUGCUGGAAGCGU
>random_seq_from_cds__NO_2703 RANDOM_LENGTH 87  SEQ_LENGTH    77
    GC_CONTENT    0.480519480519481    BASEPAIR  22  FREE_ENERGY
    -18.19 LEN_BP_RATIO  3.5
AUCUUCAGUGUCCUCACAUGGUGCAGCUCUGUCUGGAUUAGCUCCAUAGAUGACAUCUUGCUGCU
UCAUCACCUCCUUUUUAUGCUG
>random_seq_from_cds__NO_2706 RANDOM_LENGTH 70  SEQ_LENGTH    54
    GC_CONTENT    0.462962962962963    BASEPAIR  19  FREE_ENERGY
    -16.60 LEN_BP_RATIO  2.84210526315789
GCGCAGCCCCAGGGGAGACUCAUCAUUGAAAUGUCCCAGCAAUGUUGGUGGUAGAAACACUCUUG
GCUAA
>random_seq_from_cds__NO_2721 RANDOM_LENGTH 110 SEQ_LENGTH    79
    GC_CONTENT    0.379746835443038    BASEPAIR  25  FREE_ENERGY
    -19.60 LEN_BP_RATIO  3.16
UGAUUUUCCAGUUGCCAGAGAAGUUGGGCAUAAUGGUGAAUGAAUACAAGAAAAUUCUUUUGCUG
AAAGGAUUUGAGCUCAUGGAUGAUUAUCAUUUUACAUCAAUUAAG
>random_seq_from_cds__NO_2726 RANDOM_LENGTH 89  SEQ_LENGTH    75
    GC_CONTENT    0.586666666666667    BASEPAIR  24  FREE_ENERGY
    -20.10 LEN_BP_RATIO  3.125
CAAAAGGAAUAAGGUGUCCCAAGAGCAGAGUAAGCCCCCAGGUCCCUCAGGAGCCAGCACAUCUG
CAGCUGUGGAUCAUCCCCCACUAC
>random_seq_from_cds__NO_2742 RANDOM_LENGTH 72  SEQ_LENGTH    61
    GC_CONTENT    0.508196721311475    BASEPAIR  23  FREE_ENERGY
    -21.90 LEN_BP_RATIO  2.65217391304348
UUCUUGGGUCUCAAACGUGAAGGGCUUCUUUGCUUUCAGUACCAUAACUGGCAAACAGCGCUUCU
GAAACCC
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>random_seq_from_cds__NO_2743 RANDOM_LENGTH 89  SEQ_LENGTH    75
    GC_CONTENT    0.506666666666667    BASEPAIR   25  FREE_ENERGY
    -25.10 LEN_BP_RATIO  3
UUCUCUGAUAGAUUCCUGCUGGGCCACCAUCUGUUUCUGUUCAGGCCUUAACAUGAGGAGAGACU
UUUGGUGCAGCACGUUGCUUUGCG
>random_seq_from_cds__NO_2756 RANDOM_LENGTH 90  SEQ_LENGTH    75
    GC_CONTENT    0.64   BASEPAIR   26  FREE_ENERGY   -30.50
    LEN_BP_RATIO  2.88461538461538
ACCCUUGGUGUGGGUCUGAAUCAGAGGAUCUGGCGUGGCAUCCCGUAGCCAGUCAUGCCUGCCUG
AGACGCCCCGCGGUUGGUGCCCAUC
>random_seq_from_cds__NO_2757 RANDOM_LENGTH 110 SEQ_LENGTH    87
    GC_CONTENT    0.540229885057471    BASEPAIR   34  FREE_ENERGY
    -36.10 LEN_BP_RATIO  2.55882352941176
UGUAACCCGAUCACGUUCUUGCCCUCUUGCAGCUGGUUAUCCGAGAAGUUCCGAGGAUUCUCCUU
GGAUUUCCUUAGGGAACCAGUUGGGAUCCCCAGAGAAGAGCCCAU
>random_seq_from_cds__NO_2766 RANDOM_LENGTH 75  SEQ_LENGTH    63
    GC_CONTENT    0.53968253968254 BASEPAIR   24  FREE_ENERGY
    -25.90 LEN_BP_RATIO  2.625
AGCUGAUCCUGGAGGUUAGCAGCCCAAGUCCUAGAAGACAAGGGUGUUGGCUUCGGGCUGGUAGA
CUCUGAGAAG
>random_seq_from_cds__NO_2795 RANDOM_LENGTH 109 SEQ_LENGTH    64
    GC_CONTENT    0.46875    BASEPAIR   24  FREE_ENERGY   -24.40
    LEN_BP_RATIO  2.66666666666667
CUUCUUCCUCCUCUUCCUCUUCCUCUGAGCGGUCAUGGACUCGAUUUUCAUCAUUAAUGGAGUAA
UGACCAGUGUCCUCCAUGCUGUCAGAGUCCUUAUCUUCACCUGA
>random_seq_from_cds__NO_2796 RANDOM_LENGTH 86  SEQ_LENGTH    60
    GC_CONTENT    0.6 BASEPAIR   20  FREE_ENERGY   -22.90 LEN_BP_RATIO
    3
GCUCUCUGUGUCUGUGCCUCGACUUUCUGUGCUGGUGCGGUUGGGGCCACCAUCAUCCCCAGUCA
AGCUCAAACUCAGGUCUGAGG
>random_seq_from_cds__NO_2801 RANDOM_LENGTH 87  SEQ_LENGTH    74
    GC_CONTENT    0.608108108108108    BASEPAIR   28  FREE_ENERGY
    -34.90 LEN_BP_RATIO  2.64285714285714
GAUUUUUCGGGUCCUGUUGGGCCACCUCAGGCUUGGGCCCGAGUUCUAGUAGGCGCCGAGCAAAG
GUGGCAGCUGUCUUGAAGUUCU
>random_seq_from_cds__NO_2802 RANDOM_LENGTH 72  SEQ_LENGTH    56
    GC_CONTENT    0.535714285714286    BASEPAIR   21  FREE_ENERGY
    -22.00 LEN_BP_RATIO  2.66666666666667
UGAGCUUGAAGAACAGAUUGAGGGCUGUACGCAGCACCAGGAUCAUGUGCACAGGCUGCAGGUUU
GAGUGGG
>random_seq_from_cds__NO_2809 RANDOM_LENGTH 87  SEQ_LENGTH    67
    GC_CONTENT    0.582089552238806    BASEPAIR   26  FREE_ENERGY
    -29.00 LEN_BP_RATIO  2.57692307692308
CAGAUCCUGAGUUGGACUUGUUCCCUUGGUUGGGGGCACAAAGAAACCAUCUUCAGCCCCACCAG
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CUGCCCCAGGGGAUAUAUCCCA
>random_seq_from_cds__NO_2813 RANDOM_LENGTH 77  SEQ_LENGTH    70
   GC_CONTENT    0.5 BASEPAIR   24  FREE_ENERGY   -16.50 LEN_BP_RATIO
   2.91666666666667
AGCAGCUUGGCAUUAGGGUCAAUGUCUGGGAUCUGUCUCCUUCUCUGGGUCAAAUGUCUCCUUUA
GGCUCUCAGCUU
>random_seq_from_cds__NO_2814 RANDOM_LENGTH 89  SEQ_LENGTH    68
   GC_CONTENT    0.529411764705882   BASEPAIR   25  FREE_ENERGY
   -19.60 LEN_BP_RATIO  2.72
CUUCAUCUAAGCCAUGGGUAGCAGCUGUGAGAUAGGCCAGGGACUCUCUGUCCACAGUUCUUCAG
GAUCCGCACACGCUCUGACACAUC
>random_seq_from_cds__NO_2822 RANDOM_LENGTH 81  SEQ_LENGTH    69
   GC_CONTENT    0.463768115942029   BASEPAIR   20  FREE_ENERGY
   -15.27 LEN_BP_RATIO  3.45
GACAGCAUAUUUGAUGUGGUUGCUUGUGGUAUAGAUAAAUACCCCACUCUCAUCCCAGGCCCCAC
UCUUGACACGAAUGUU
>random_seq_from_cds__NO_2823 RANDOM_LENGTH 87  SEQ_LENGTH    76
   GC_CONTENT    0.447368421052632   BASEPAIR   29  FREE_ENERGY
   -24.00 LEN_BP_RATIO  2.62068965517241
CUCAUGAAUGUUACAUAAAGCAUCCAGUUUGCGGUUACAGAUCACAAUGGCCGUGUUUGGCUAGU
AGUGCUACAUGUGACAUGUCUG
>random_seq_from_cds__NO_2830 RANDOM_LENGTH 86  SEQ_LENGTH    77
   GC_CONTENT    0.506493506493506   BASEPAIR   22  FREE_ENERGY
   -21.95 LEN_BP_RATIO  3.5
UAGCAUAUUGCCAUGAACAGCAUAGGCUGGCCGUUCCCGUUCCAGCUUAAACACAAUCAUACCAC
CAUCAUGGCCCUGCUGCAAAG
>random_seq_from_cds__NO_2834 RANDOM_LENGTH 70  SEQ_LENGTH    49
   GC_CONTENT    0.591836734693878   BASEPAIR   20  FREE_ENERGY
   -24.00 LEN_BP_RATIO  2.45
AGGGGCAUAGUGGGGUGGAAGGCAGCCCAGUUUACUCCACGAUCGUGACCCCUCUAGUACAUGCU
UCACC
>random_seq_from_cds__NO_2842 RANDOM_LENGTH 80  SEQ_LENGTH    72
   GC_CONTENT    0.458333333333333   BASEPAIR   23  FREE_ENERGY
   -15.50 LEN_BP_RATIO  3.1304347826087
CUUCUGAGUUUUCCUUGGCUGCUGGCUUCUCAUCUUCUCCCAUGAGACGAAUGUUGUGCUUUUCC
CGGAAUUCAUUUAGU
>random_seq_from_cds__NO_2845 RANDOM_LENGTH 97  SEQ_LENGTH    86
   GC_CONTENT    0.546511627906977   BASEPAIR   33  FREE_ENERGY
   -26.00 LEN_BP_RATIO  2.60606060606061
UCCUUCAGUGUAUCGAUCACUAGGCCUGUGCUCAUUCAACUCCAUCUCCAACUCAGCUGCUUUGG
AUGCCAGGCCUCGCUGUUCCUGCCGAAGGCGG
>random_seq_from_cds__NO_2854 RANDOM_LENGTH 81  SEQ_LENGTH    63
   GC_CONTENT    0.603174603174603   BASEPAIR   20  FREE_ENERGY
   -19.70 LEN_BP_RATIO  3.15
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CAUGGCGGGGUCCCCGGGGGUCACACACAUACAGAUUGUGGUCAUUUUCUGGCAAGAGGUCCACA
UCGUGCAAGAACAGGC
>random_seq_from_cds__NO_2856 RANDOM_LENGTH 110 SEQ_LENGTH    91
    GC_CONTENT    0.659340659340659    BASEPAIR  28  FREE_ENERGY
    -38.00 LEN_BP_RATIO  3.25
UGUUCCAUUUCCAGCCCUGGUGGAUGACAUAGAUGCCAUAAGCAAGCUGCUGGCGCUGCAAGAAG
GGGUGCAGGUGGUAGAGCAGCAGGCGCAGGUGGUGCUCCCGGGCA
>random_seq_from_cds__NO_2862 RANDOM_LENGTH 82  SEQ_LENGTH    59
    GC_CONTENT    0.576271186440678    BASEPAIR  20  FREE_ENERGY
    -22.01 LEN_BP_RATIO  2.95
UUGGUUGAACAAGCAGGCGGCCCUGGGAGAGCCUCAGCUCUGCUAUAUCCUGGAUGCCAUCCUGU
UUCUGUAUGGAAUUGUC
>random_seq_from_cds__NO_2864 RANDOM_LENGTH 81  SEQ_LENGTH    60
    GC_CONTENT    0.533333333333333    BASEPAIR  22  FREE_ENERGY
    -21.20 LEN_BP_RATIO  2.72727272727273
GACUUACGAGACUCUGAAGCAUGAGAAACCACCACAGUAGUUCACUGGGUGGCAGGCUGUGUUCC
AAGUUCCACGAAAUAG
>random_seq_from_cds__NO_2873 RANDOM_LENGTH 68  SEQ_LENGTH    63
    GC_CONTENT    0.634920634920635    BASEPAIR  24  FREE_ENERGY
    -28.50 LEN_BP_RATIO  2.625
GUGUUGUCCUCUAUGGGGCUGGCAGCCAUGUGACAUGUUGGAGGCUCCGGGCCCGAGUGAUGGCU
GCG
>random_seq_from_cds__NO_2887 RANDOM_LENGTH 84  SEQ_LENGTH    62
    GC_CONTENT    0.580645161290323    BASEPAIR  20  FREE_ENERGY
    -22.24 LEN_BP_RATIO  3.1
CAGCUGCCAAAUAUGGAAGGGCUGGACUCAGAAGAAGGGGAUGGAGCCUGGUGCCCUGAGAUUCC
AGUGGAACCUGAUGACCUG
>random_seq_from_cds__NO_2902 RANDOM_LENGTH 80  SEQ_LENGTH    66
    GC_CONTENT    0.575757575757576    BASEPAIR  24  FREE_ENERGY
    -22.80 LEN_BP_RATIO  2.75
GCUGACAUAGUGAACCUCCAAGGAGUGACAGGAGGCAACACAUACUCAGUGCCUGCCGUCACCAU
GGACCUGCUCUCAGG
>random_seq_from_cds__NO_2903 RANDOM_LENGTH 82  SEQ_LENGTH    51
    GC_CONTENT    0.509803921568627    BASEPAIR  19  FREE_ENERGY
    -20.80 LEN_BP_RATIO  2.68421052631579
AAAAGAUGUGGCUGUGGAGGAGUUCCCCAGGAAACUCCUAACUUUCAAAGAGAAGCUGGGAGAAG
GACAGUUUGGGGAGGGU
>random_seq_from_cds__NO_2914 RANDOM_LENGTH 98  SEQ_LENGTH    79
    GC_CONTENT    0.468354430379747    BASEPAIR  28  FREE_ENERGY
    -29.70 LEN_BP_RATIO  2.82142857142857
AUAUGGUUUUGUGCUUCUAACUGGUGCUGCCAGCUUUAUAAUGGUGGCCCACCUAGCCAUCAAUG
UUUCCAAGGCCCGCAAGAAGUACAAAGUGGAGG
>random_seq_from_cds__NO_2921 RANDOM_LENGTH 89  SEQ_LENGTH    66
    GC_CONTENT    0.515151515151515    BASEPAIR  24  FREE_ENERGY
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    -20.10 LEN_BP_RATIO  2.75
CCCGUUGGAUGUCCCCUGGUAAAGACGCCAGCUGCUAGUCCAAAAGUGGUAUCAUUGGCUCUUUC
UAGAACCUCAGCUUCAGUGUCAAA
>random_seq_from_cds__NO_2938 RANDOM_LENGTH 82  SEQ_LENGTH    56
    GC_CONTENT    0.607142857142857    BASEPAIR  20  FREE_ENERGY
    -18.90 LEN_BP_RATIO  2.8
UACCGUGUCCUUACCUCGGAGCAGAAGGCCAAAGCCCUGAAGGGCCAGUUCAACUUUGACCACCC
GGGAUGCCUUUGACAAU
>random_seq_from_cds__NO_2974 RANDOM_LENGTH 83  SEQ_LENGTH    73
    GC_CONTENT    0.493150684931507    BASEPAIR  26  FREE_ENERGY
    -22.90 LEN_BP_RATIO  2.80769230769231
ACUGUGAAGUGAUGAUAGGGAAUGAAGUCCCUGCCUCGGCAGUGGUCACAUCUGUGGGCAUCUUC
UUCUAAAAAGCGGGCACA
>random_seq_from_cds__NO_2975 RANDOM_LENGTH 81  SEQ_LENGTH    54
    GC_CONTENT    0.481481481481481    BASEPAIR  20  FREE_ENERGY
    -17.60 LEN_BP_RATIO  2.7
UUUCAAGUGCAUGGCUUUUCUCUGGUCCUUGAGCCACAGCUCGUAGGCUGUUUUCUGCAUCAUAG
GGUUACAGAAUCGAAU
>random_seq_from_cds__NO_2980 RANDOM_LENGTH 86  SEQ_LENGTH    69
    GC_CONTENT    0.463768115942029    BASEPAIR  26  FREE_ENERGY
    -23.30 LEN_BP_RATIO  2.65384615384615
UUUCCUUUUAAUGACGUUGGAGGUGACAGGUUUUUCAGUCUGACACCACUUGUGAGGUGACAGAC
UUCUUCACUUUCCUUAUCACU
>random_seq_from_cds__NO_2981 RANDOM_LENGTH 84  SEQ_LENGTH    64
    GC_CONTENT    0.390625   BASEPAIR  24  FREE_ENERGY   -17.80
    LEN_BP_RATIO  2.66666666666667
AUGGAGAGUAACCAUGUUUAACUUCUCUGUUAGCUUAAUGGAAUACUCUGAACAGGUUAUUCCAG
GUCCUAUUUGUCUUUUCCU
>random_seq_from_cds__NO_2997 RANDOM_LENGTH 72  SEQ_LENGTH    48
    GC_CONTENT    0.5 BASEPAIR  19  FREE_ENERGY   -21.50 LEN_BP_RATIO
    2.52631578947368
GACAGAAGUGAUGUGCAUAUAGGCAUCCUGGAUGGCUGGGCCUAUCUCUUCUGCUUUGUCUUGGU
CUUCAAA
>random_seq_from_cds__NO_3009 RANDOM_LENGTH 66  SEQ_LENGTH    54
    GC_CONTENT    0.555555555555556    BASEPAIR  19  FREE_ENERGY
    -19.10 LEN_BP_RATIO  2.84210526315789
AAGGCGACCCUACGGAGAAGCAACUUCAGAUCAUCCUGGAGGAUGCACCUCUCUGGCAGAGAUUC
A
>random_seq_from_cds__NO_3011 RANDOM_LENGTH 71  SEQ_LENGTH    52
    GC_CONTENT    0.557692307692308    BASEPAIR  20  FREE_ENERGY
    -20.80 LEN_BP_RATIO  2.6
CCCCAAUGCCAUGUACUCCCUCCUGCUGGACUUUGUCCCUACGGACAGUCACCGCUGGAAGUACG
UCAACG
>random_seq_from_cds__NO_3017 RANDOM_LENGTH 72  SEQ_LENGTH    62
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    GC_CONTENT    0.661290322580645    BASEPAIR  20  FREE_ENERGY
    -19.00 LEN_BP_RATIO  3.1
UGCCGCUCCUCUGCCUCUGCCUGCUCCCCACACCCACCAUGGCUGUGAGCACUAUUCGGGUCUCC
GAGGACA
>random_seq_from_cds__NO_3023 RANDOM_LENGTH 81  SEQ_LENGTH    66
    GC_CONTENT    0.696969696969697    BASEPAIR  26  FREE_ENERGY
    -29.60 LEN_BP_RATIO  2.53846153846154
CACCUGGACAGCAGUGGCCUCGCAUCCCUUCGCGGGCUGGGGUGGCCCAGGAGCGGGUGGGCACC
AUUCUCCUUCCUCACU
>random_seq_from_cds__NO_3031 RANDOM_LENGTH 70  SEQ_LENGTH    57
    GC_CONTENT    0.421052631578947    BASEPAIR  19  FREE_ENERGY
    -16.90 LEN_BP_RATIO  3
AUUCCUUGUGCUGUUCCCUUUGAAGAUCUGCCAGUUGAUCUGGUUGGAACUGUAAGCUACAUAGA
ACUCU
>random_seq_from_cds__NO_3040 RANDOM_LENGTH 73  SEQ_LENGTH    61
    GC_CONTENT    0.491803278688525    BASEPAIR  19  FREE_ENERGY
    -20.00 LEN_BP_RATIO  3.21052631578947
CAUAGGCAUGUUGCUGUCCUUAUGUAGUAUUCCUUUUUGGCAGAUUAGGAGGGGACCUAUCAAGC
CUGAGUGA
>random_seq_from_cds__NO_3048 RANDOM_LENGTH 102 SEQ_LENGTH    57
    GC_CONTENT    0.456140350877193    BASEPAIR  21  FREE_ENERGY
    -15.91 LEN_BP_RATIO  2.71428571428571
UAACAUCAGUUUUGUAGGGGUCAUCAUAGGGCACAUAAUCAAUUUCAGCAUAGUCAUCUUCACUG
CUCUGGACCUCUUCCUUUGGAAUGAUCUCAAUGUAAU
>random_seq_from_cds__NO_3058 RANDOM_LENGTH 81  SEQ_LENGTH    72
    GC_CONTENT    0.513888888888889    BASEPAIR  20  FREE_ENERGY
    -21.90 LEN_BP_RATIO  3.6
GUCUGGCUGAGGUCUAAAGAAAGGGUUGUAUGGCUGAGGUCUGGAGAAAGGGUUGUAUGGCUGAG
GUCUGGAGAAAUGGGC
>random_seq_from_cds__NO_3059 RANDOM_LENGTH 86  SEQ_LENGTH    67
    GC_CONTENT    0.552238805970149    BASEPAIR  25  FREE_ENERGY
    -20.90 LEN_BP_RATIO  2.68
AUCUGACCGAGGGCUGGGGAAAGGUUUCUCUGAAUGAGUUCUGGAGAGAGAGUCGUGUGGCUGAG
GUCUGGAGAGAGGUUUGUCUG
>random_seq_from_cds__NO_3063 RANDOM_LENGTH 83  SEQ_LENGTH    59
    GC_CONTENT    0.525423728813559    BASEPAIR  23  FREE_ENERGY
    -26.50 LEN_BP_RATIO  2.56521739130435
UCUGAUAAAGACCUGGAGGACAGCUUGCCUGACCAGUGUCAUUUGAGGAAUUCUGAUUAUGGUCA
GGAAGUGAGGCUAUCCAG
>random_seq_from_cds__NO_3077 RANDOM_LENGTH 84  SEQ_LENGTH    49
    GC_CONTENT    0.448979591836735    BASEPAIR  20  FREE_ENERGY
    -16.50 LEN_BP_RATIO  2.45
CAUAGUCAGCAUCACUCUCUUCAUCUUCAGGUUCUAAACGAUCAUGCAUUUUCCGUGUAGCCAUG
ACUGUAGAUUCUGGAGGUU
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>random_seq_from_cds__NO_3105 RANDOM_LENGTH 87  SEQ_LENGTH    58
    GC_CONTENT    0.482758620689655    BASEPAIR  24  FREE_ENERGY
    -25.40 LEN_BP_RATIO  2.41666666666667
CCCCAGAGGUUGGAGCAGUUCAUCGCUAUUGGCUUAUUAACAUGUAGUUCUGAGCAUUUCACAGC
CUCUGCAUGCUGGAGUUACUGC
>random_seq_from_cds__NO_3107 RANDOM_LENGTH 87  SEQ_LENGTH    79
    GC_CONTENT    0.569620253164557    BASEPAIR  27  FREE_ENERGY
    -27.70 LEN_BP_RATIO  2.92592592592593
GCCUACAGUACAUGGUUCCCUGCCCAGGAGUGGUGAGGGCUGGACAUUGCACCCCUGGAGUAGGA
AGUGAUGCUAUGCCCUUUGCAG
>random_seq_from_cds__NO_3117 RANDOM_LENGTH 95  SEQ_LENGTH    73
    GC_CONTENT    0.616438356164384    BASEPAIR  19  FREE_ENERGY
    -26.25 LEN_BP_RATIO  3.84210526315789
CAGGUUGGCAAGGGUGCAGACCAGUGUCCAGAGUCAAUGCAGCGGAGCAUGUCCAAGCCCCUCAC
UCUGUAGCCGGGCUGGCACUCAAAUUUACA
>random_seq_from_cds__NO_3122 RANDOM_LENGTH 66  SEQ_LENGTH    49
    GC_CONTENT    0.591836734693878    BASEPAIR  20  FREE_ENERGY
    -19.60 LEN_BP_RATIO  2.45
CAGAAGCCAAGCAUUCCAGCUUGCUGGGCCCAUUUACUUGGUACCCGUCAGUGCAGUGGAAGCUG
C
>random_seq_from_cds__NO_3127 RANDOM_LENGTH 97  SEQ_LENGTH    82
    GC_CONTENT    0.51219512195122 BASEPAIR  25  FREE_ENERGY
    -21.40 LEN_BP_RATIO  3.28
UUGUUGUUAGGUUCAUUAUCAGCCCAGUUCUCAGCCUCGUUGGUGAGAGCCUUUUUGGUUCCCAC
CCAUGUCCAUGUCUUAUUGUUCUUUCGGAUCC
>random_seq_from_cds__NO_3128 RANDOM_LENGTH 81  SEQ_LENGTH    63
    GC_CONTENT    0.365079365079365    BASEPAIR  24  FREE_ENERGY
    -19.20 LEN_BP_RATIO  2.625
CAAUCCAGUAGUAGGAGCUGUAGUAGGGUAGGACCUUAUUGAGGUAAUCAAUUUCAUUUUUAUUC
UGGAUGGCCACUAAGU
>random_seq_from_cds__NO_3129 RANDOM_LENGTH 77  SEQ_LENGTH    50
    GC_CONTENT    0.44   BASEPAIR  19  FREE_ENERGY   -15.90
    LEN_BP_RATIO  2.63157894736842
CUGUGUAGCGAUUCUGGCAGUAUUUACGGGAAAUAUUCCAUGAGUAUGCUUUUGUGCUGUAAUGA
UAAGUCCAUGCU
>random_seq_from_cds__NO_3145 RANDOM_LENGTH 81  SEQ_LENGTH    74
    GC_CONTENT    0.445945945945946    BASEPAIR  23  FREE_ENERGY
    -22.41 LEN_BP_RATIO  3.21739130434783
UUAAAGGAUGUAAGAAGGCUUUUGGUAGCUUCCAUCUGAUUCAAGGCUUUGGCAGCUGCCUGGCA
GGAACAAAUUUCUUUG
>random_seq_from_cds__NO_3147 RANDOM_LENGTH 79  SEQ_LENGTH    61
    GC_CONTENT    0.60655737704918 BASEPAIR  22  FREE_ENERGY
    -27.60 LEN_BP_RATIO  2.77272727272727
CAAGGGAAUGUUGGACUCAGUGGGAGCCUUCACAGGUAGGUAGCAGGCCAGACCAGUGUCCUGUG
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GCUCCACAUGUCCG
>random_seq_from_cds__NO_3153 RANDOM_LENGTH 70  SEQ_LENGTH    51
    GC_CONTENT    0.568627450980392    BASEPAIR  20  FREE_ENERGY
    -18.60 LEN_BP_RATIO  2.55
GGAUUUGCUGUGUCCACUGCCCUUGAGUGGUGCAUUCAACCUGGGCUGGUCCCUGCAACAUGAAG
CCUUC
>random_seq_from_cds__NO_3164 RANDOM_LENGTH 97  SEQ_LENGTH    72
    GC_CONTENT    0.527777777777778    BASEPAIR  22  FREE_ENERGY
    -19.80 LEN_BP_RATIO  3.27272727272727
CAGGUGUGUGUACCUUUGCUGACAAUAAGCACUGGCCUCAUCAUAAGUCAUAGCUUCCGUGGAGG
UGUUGUAAGACCAGGCUCCACUCUCUUUAAUG
>random_seq_from_cds__NO_3166 RANDOM_LENGTH 70  SEQ_LENGTH    52
    GC_CONTENT    0.557692307692308    BASEPAIR  19  FREE_ENERGY
    -16.70 LEN_BP_RATIO  2.73684210526316
UGAUUGGAGCUGGGGUCAGUGGCCUAAUUUCUCUGAAGUGCUGUGUGGAUGAGGGACUUGAGCCC
ACUUG
>random_seq_from_cds__NO_3175 RANDOM_LENGTH 90  SEQ_LENGTH    56
    GC_CONTENT    0.410714285714286    BASEPAIR  21  FREE_ENERGY
    -15.70 LEN_BP_RATIO  2.66666666666667
GAACAACAGAUGAAUCGGUGGUUCAACCAUGAAAAUUAUGGCCUUGAGCCUCAAAACAAGAUACA
UUAUGAAGGAACCUGUACUAAAUGA
>random_seq_from_cds__NO_3186 RANDOM_LENGTH 74  SEQ_LENGTH    63
    GC_CONTENT    0.507936507936508    BASEPAIR  24  FREE_ENERGY
    -21.30 LEN_BP_RATIO  2.625
AAAAUGCUCAGAUUCUGCUGUCUCUGGCCAAUGGGAGGUGGUCACUAUGCAUGAAGAGAAGCAAG
AGUCAGCCA
>random_seq_from_cds__NO_3233 RANDOM_LENGTH 97  SEQ_LENGTH    69
    GC_CONTENT    0.739130434782609    BASEPAIR  26  FREE_ENERGY
    -37.57 LEN_BP_RATIO  2.65384615384615
GUUUCCAGCUGGUCCCGCUCCCGCCUCAGGGUGCCCAGCUCCCUCUGCAGCCCCUCCUGGGUCUC
CUGGGGCCUGGCAGCCUGGUCCAAGGUCAAUU
>random_seq_from_cds__NO_3236 RANDOM_LENGTH 80  SEQ_LENGTH    62
    GC_CONTENT    0.693548387096774    BASEPAIR  23  FREE_ENERGY
    -28.62 LEN_BP_RATIO  2.69565217391304
GCCUUCCUGAGCUGAGCUGUCCUGGCCCCCACAUCCCACACCAGGCAGGCCAGAAGCAGCAGCUG
GACAGCUGGCAUCUC
>random_seq_from_cds__NO_3249 RANDOM_LENGTH 86  SEQ_LENGTH    69
    GC_CONTENT    0.565217391304348    BASEPAIR  23  FREE_ENERGY
    -20.80 LEN_BP_RATIO  3
UCUACAUAGUGACUUCGAACUUGGCCUGAAGCUGAUGAAGGAACCAUCCUGCUUGAACGUCCGCA
GCAGCGAGCCCAGCAUGAAGG
>random_seq_from_cds__NO_3254 RANDOM_LENGTH 87  SEQ_LENGTH    63
    GC_CONTENT    0.587301587301587    BASEPAIR  23  FREE_ENERGY
    -23.71 LEN_BP_RATIO  2.73913043478261
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AGAGACUUCAACAUCCCUGGCUUCCCGACUGUGAGGGUUCUUCAAGGCCUUUACCAAGAACGGCU
CGGGAGCAGUAUUUCCAGGUGG
>random_seq_from_cds__NO_3258 RANDOM_LENGTH 81  SEQ_LENGTH    74
   GC_CONTENT    0.567567567567568    BASEPAIR  22  FREE_ENERGY
   -21.70 LEN_BP_RATIO  3.36363636363636
CCUGCUGUUCCGGAAUGGCUCUGUCUCCCGAGUCCCCGUGGCUCAUGGAAUCCAGGUCCUUCUAU
ACCGCUUACCUGCAGA
>random_seq_from_cds__NO_3274 RANDOM_LENGTH 80  SEQ_LENGTH    60
   GC_CONTENT    0.583333333333333    BASEPAIR  23  FREE_ENERGY
   -33.00 LEN_BP_RATIO  2.60869565217391
GGCUCUAUUCCCUGUCCUUCAUGGGCCUGCUGGCCAUGUACACCUACUUCCAGGCCAAGAUAAGG
GCCCUGAAGGGCCAU
>random_seq_from_cds__NO_3278 RANDOM_LENGTH 90  SEQ_LENGTH    61
   GC_CONTENT    0.688524590163934    BASEPAIR  23  FREE_ENERGY
   -28.90 LEN_BP_RATIO  2.65217391304348
GGUCACCAAGUCCUGUCACCUGUGCGACGCCGGGCAGCCCCACCUGCAGCACGGGGCAGCCUUCC
UGACCGACUACAACAACCAGGCCGA
>random_seq_from_cds__NO_3302 RANDOM_LENGTH 92  SEQ_LENGTH    81
   GC_CONTENT    0.530864197530864    BASEPAIR  29  FREE_ENERGY
   -21.50 LEN_BP_RATIO  2.79310344827586
ACUAUGGAGAUUCAACUGCAGGCACCUCCUCCGAUUGCCAACCCUGUCCGUGUCCUGGAGGUUCA
AGUUGUGCUGUUGUUCCCAAGACAAAG
>random_seq_from_cds__NO_3308 RANDOM_LENGTH 70  SEQ_LENGTH    58
   GC_CONTENT    0.637931034482759    BASEPAIR  21  FREE_ENERGY
   -21.30 LEN_BP_RATIO  2.76190476190476
UCUGCAGAGUGGGCAAGGCUGUGAGAGGGUGUGACUGCCAUGCCUUGGGCUCCACCAAUGGGCAG
UGUGA
>random_seq_from_cds__NO_3312 RANDOM_LENGTH 88  SEQ_LENGTH    71
   GC_CONTENT    0.47887323943662 BASEPAIR  22  FREE_ENERGY
   -20.30 LEN_BP_RATIO  3.22727272727273
CAGGAAUUAGAGAGUCUCAUAGCAAACCUUGGAACUGGGGAUGAGAUGGUGACAGAUCAAGCCUU
CGAGGAUAGACUAAAGGAAGCAG
>random_seq_from_cds__NO_3328 RANDOM_LENGTH 110 SEQ_LENGTH    85
   GC_CONTENT    0.505882352941176    BASEPAIR  27  FREE_ENERGY
   -24.20 LEN_BP_RATIO  3.14814814814815
CAAGAAGCCGAGAUCAAUGCCAGAAAAGCCAAAAACUCUGUUACUAGCCUCCUCAGCAUUAUUAA
UGACCUCUUGGAGCAGCUGGGGGCAGCUGGAUACAGUGGACCUGA
>random_seq_from_cds__NO_3331 RANDOM_LENGTH 89  SEQ_LENGTH    78
   GC_CONTENT    0.538461538461538    BASEPAIR  24  FREE_ENERGY
   -17.50 LEN_BP_RATIO  3.25
CCAUCUGGCUGCUUCAACACCCCGUCCAUUGAAAAGCCCUAGCCUAGACUUCUCUCCGAGUGCUU
UCCAAAUCUGUAGUUGCGCAGUCU
>random_seq_from_cds__NO_3334 RANDOM_LENGTH 88  SEQ_LENGTH    79
   GC_CONTENT    0.455696202531646    BASEPAIR  27  FREE_ENERGY
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   -18.30 LEN_BP_RATIO  2.92592592592593
UGCCUCCACUUGGCUGCCUUUCUUAAGCUGAGGUUCUGUUGUCUGGUUAUUAGCAUCAGCUUUUU
CACUUUCCUUGGGUUCAUCUGGA
>random_seq_from_cds__NO_3360 RANDOM_LENGTH 83  SEQ_LENGTH    60
   GC_CONTENT    0.5 BASEPAIR  20  FREE_ENERGY   -22.50 LEN_BP_RATIO
   3
UACUUCUAUGCCUUUGUUGCAUCGGGCUGCAGCUCCUUGCCACUGCAGCUACAACAAUUCUGGCU
GCUAGUUCCUUGUAAUAU
>random_seq_from_cds__NO_3377 RANDOM_LENGTH 78  SEQ_LENGTH    70
   GC_CONTENT    0.442857142857143   BASEPAIR  20  FREE_ENERGY
   -18.00 LEN_BP_RATIO  3.5
AGGAUUUAUCAAGCUGUGCAGGGAGAUGUGGGGAAGGGUAUUCUAGAGAUGCCACCUGCAACUGU
GAUUAUAACUGUC
>random_seq_from_cds__NO_3417 RANDOM_LENGTH 80  SEQ_LENGTH    57
   GC_CONTENT    0.473684210526316   BASEPAIR  22  FREE_ENERGY
   -16.63 LEN_BP_RATIO  2.59090909090909
GCAUUCCGAGGGUCAUUAUUUCUGGAUGCUAAGUCCAUUCAGUCCACCAUCUCCAGCUCGCAGAA
UUACUGAAGUUUGGG
>random_seq_from_cds__NO_3419 RANDOM_LENGTH 95  SEQ_LENGTH    81
   GC_CONTENT    0.469135802469136   BASEPAIR  29  FREE_ENERGY
   -18.90 LEN_BP_RATIO  2.79310344827586
CUGGCGUUUUACCAAUGAUAUAAAAGAUGCAGGGUACCCCAAACCAAUUUUCAAAGGAUUUGGAG
GACUAACUGGACAAAUAGUGGCAGCGCUUU
>random_seq_from_cds__NO_3436 RANDOM_LENGTH 68  SEQ_LENGTH    49
   GC_CONTENT    0.510204081632653   BASEPAIR  19  FREE_ENERGY
   -21.30 LEN_BP_RATIO  2.57894736842105
CCGUAGAUGCUCAGGGACUUGAGGAGGGUAGAUCAUCUCUGCCUGAGUAUCUUUGACUGUGGGAG
GAU
>random_seq_from_cds__NO_3441 RANDOM_LENGTH 82  SEQ_LENGTH    62
   GC_CONTENT    0.403225806451613   BASEPAIR  27  FREE_ENERGY
   -19.10 LEN_BP_RATIO  2.2962962962963
UUUGUAGCCAUAGUCAGCAUUGUAAGUUGGUGGACUGUCAAUCAAAUGUGAUCUGGCAUGUCAAC
ACAUAACUCAUAAUUGC
>random_seq_from_cds__NO_3445 RANDOM_LENGTH 84  SEQ_LENGTH    60
   GC_CONTENT    0.5 BASEPAIR  24  FREE_ENERGY   -20.00 LEN_BP_RATIO
   2.5
AGCAGCAGGGCGCGGGCGAGCAUUCUAUGUUCUUAAGGGUUCUUGAUAAGACAGAGUGCCUUUGU
CUUGGAAUACAUCUUGGAU
>random_seq_from_cds__NO_3452 RANDOM_LENGTH 90  SEQ_LENGTH    78
   GC_CONTENT    0.371794871794872   BASEPAIR  24  FREE_ENERGY
   -20.47 LEN_BP_RATIO  3.25
CCCUUCAUAUUUCCACUUCAUUUCUAUGUUAUUUCUGUUCAUGUAAUCCACAUUAACAGUACAUG
GUUCCCAAGCAAACAGGUGGGGAUG
>random_seq_from_cds__NO_3461 RANDOM_LENGTH 97  SEQ_LENGTH    73
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    GC_CONTENT    0.479452054794521    BASEPAIR  25  FREE_ENERGY
    -19.81 LEN_BP_RATIO  2.92
GCACUUUAAUUCUGGUACAUUUUGGUGUGAGAGACCAUCCGUAUGUGAGACAUUCUACCUCCUCU
GUCUUCUUUCCUCCAGCUGUGUAGUAGCCAGU
>random_seq_from_cds__NO_3466 RANDOM_LENGTH 85  SEQ_LENGTH    67
    GC_CONTENT    0.328358208955224    BASEPAIR  24  FREE_ENERGY
    -15.50 LEN_BP_RATIO  2.79166666666667
UUUUGUCUAUGCUCAUUGGAAAGUAAAAGCUUUUAAAAGUAUAGUAAUAUUGGGCAAUUCUUCCA
UUUUCCACAUGAGGAAAACC
>random_seq_from_cds__NO_3468 RANDOM_LENGTH 77  SEQ_LENGTH    69
    GC_CONTENT    0.666666666666667    BASEPAIR  27  FREE_ENERGY
    -38.20 LEN_BP_RATIO  2.55555555555556
GCCUUGGAGGAAUAAGGGUCUCCUGGGAGCCCUGGUGUUGGUCGAGGCUGCCCAGGGAGGACCCG
AGGUUCAGGCAU
>random_seq_from_cds__NO_3489 RANDOM_LENGTH 81  SEQ_LENGTH    67
    GC_CONTENT    0.567164179104478    BASEPAIR  23  FREE_ENERGY
    -18.40 LEN_BP_RATIO  2.91304347826087
UCCCAAACAUCCUGCAUGCCGAUGACAGCGUAGAUGAAGAAGAGCAUGACGAUGAGCAGAGCCAC
GUAGGGUAGGGCCCUG
>random_seq_from_cds__NO_3498 RANDOM_LENGTH 95  SEQ_LENGTH    77
    GC_CONTENT    0.584415584415584    BASEPAIR  25  FREE_ENERGY
    -29.70 LEN_BP_RATIO  3.08
CAUUGGAGUCUAUGGCCUUGUACAGCAGCCUGAGGCCAUCCCUCGAAGGUGGAGACCGUGAAGAG
GGACAUCAUGGCUGAGAGCACAUUGUCGAA
>random_seq_from_cds__NO_3511 RANDOM_LENGTH 73  SEQ_LENGTH    64
    GC_CONTENT    0.609375  BASEPAIR  23  FREE_ENERGY   -26.60
    LEN_BP_RATIO  2.78260869565217
GGCAGAAGUCAGGCUCUCCGCCUCGGCCAGGUUGUCCACGGCAAUGGCCAGGAAGACAUUGAGCA
GGAUGUCA
>random_seq_from_cds__NO_3514 RANDOM_LENGTH 84  SEQ_LENGTH    69
    GC_CONTENT    0.536231884057971    BASEPAIR  23  FREE_ENERGY
    -16.70 LEN_BP_RATIO  3
UGAGGGCUUGGGGAAAGUUGUCAAAGUUGCUGCGCCGUACUUCUGUGUCUUCAAAGUCAUACCUC
CCCCCAAAGAGCUGCAUGC
>random_seq_from_cds__NO_3534 RANDOM_LENGTH 88  SEQ_LENGTH    67
    GC_CONTENT    0.582089552238806    BASEPAIR  27  FREE_ENERGY
    -34.30 LEN_BP_RATIO  2.48148148148148
UCAGGCAGAACAAGGCCCGGGGUGGCCUUGGCAGAAUCUCAGGAACUGGCUUCUUGGGCUGUUUC
UUCCUCAGGCCUUCAUCCUGGGG
>random_seq_from_cds__NO_3540 RANDOM_LENGTH 90  SEQ_LENGTH    74
    GC_CONTENT    0.567567567567568    BASEPAIR  26  FREE_ENERGY
    -23.30 LEN_BP_RATIO  2.84615384615385
GCCAUAGCCUUUGGGCCCAUACUUCUUGCCGUAGCAGGACUUGCAGUAAAUCUCCUCACCAUGCA
CGGCCACAGUGGUACUGUCCAGAUU
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>random_seq_from_cds__NO_3544 RANDOM_LENGTH 69  SEQ_LENGTH    55
    GC_CONTENT    0.763636363636364   BASEPAIR  21  FREE_ENERGY
    -29.50 LEN_BP_RATIO  2.61904761904762
CCAAGGCGCCCGGCGGCGGCGGCGGCAUGGCCAAGGCCAGCGCGGCUGAGCUGAAGGUCUUCAAG
UCCG
>random_seq_from_cds__NO_3546 RANDOM_LENGTH 110 SEQ_LENGTH    86
    GC_CONTENT    0.604651162790698   BASEPAIR  31  FREE_ENERGY
    -40.70 LEN_BP_RATIO  2.7741935483871
AAAAAGCUGCAGCUUUAUGAGCCCGAAUGGAGCGACGAUAUGGCCAAGGCGCCCAAAGGCUUAGG
CAAGGUGGGGUCCAAGGGCCGUGAAGCUCCGCUGAUGUCCAAGAC
>random_seq_from_cds__NO_3549 RANDOM_LENGTH 84  SEQ_LENGTH    72
    GC_CONTENT    0.666666666666667   BASEPAIR  25  FREE_ENERGY
    -31.70 LEN_BP_RATIO  2.88
CUCUCCAGCAAGGCCAAGGCGCAAAAGAGCUCUGGGCCUGUCCCCUCUGCCAAGGGCCAGGAGGA
GCGCGCCUUCCUCAAGGUG
>random_seq_from_cds__NO_3551 RANDOM_LENGTH 78  SEQ_LENGTH    65
    GC_CONTENT    0.615384615384615   BASEPAIR  23  FREE_ENERGY
    -27.10 LEN_BP_RATIO  2.82608695652174
AAAGAGGACAGUGCAGAAUGUCCUGGAUCUCCGGCAGAACCUGGAAGAGACCAUGUCCAGCCUGC
GAGGGUCCCAGGU
>random_seq_from_cds__NO_3552 RANDOM_LENGTH 92  SEQ_LENGTH    71
    GC_CONTENT    0.619718309859155   BASEPAIR  23  FREE_ENERGY
    -19.20 LEN_BP_RATIO  3.08695652173913
GACUCACAGGCUCCCUGGAGAUGACCUGCUACGACAGCGAUGAUGCCAACCCACGCAGCGUGUCC
AGCCUCUCCAACCGCUCGUCCCCUCUG
>random_seq_from_cds__NO_3571 RANDOM_LENGTH 93  SEQ_LENGTH    77
    GC_CONTENT    0.584415584415584   BASEPAIR  23  FREE_ENERGY
    -20.70 LEN_BP_RATIO  3.34782608695652
CAUCCAGUGAUACCACCCAUGCUUCAAAGGUCCCAGAUCUGCAUGCUACAAGCUCAGCAUCUGGG
GGCCCUCUCCCUUCCUGCUUCACCCCCA
>random_seq_from_cds__NO_3572 RANDOM_LENGTH 89  SEQ_LENGTH    68
    GC_CONTENT    0.529411764705882   BASEPAIR  20  FREE_ENERGY
    -20.20 LEN_BP_RATIO  3.4
GUCCGGCACCCAUCCUCAAUAUUAACUCAGCCAGCUUCUCCCAGGGCCUGGAGCUAAUGAGUGGU
UUCAGUGUGCCAAAAGAGACCCGC
>random_seq_from_cds__NO_3574 RANDOM_LENGTH 86  SEQ_LENGTH    64
    GC_CONTENT    0.640625  BASEPAIR  19  FREE_ENERGY   -19.20
    LEN_BP_RATIO  3.36842105263158
AGCAGUACUCCCGUCCCCACCCCACCUGCUCCCCCUGCUGCUCCCACAGAAGAAGAGACGGAAGA
GCUGACUUGGAGUGGAAGCCC
>random_seq_from_cds__NO_3575 RANDOM_LENGTH 82  SEQ_LENGTH    69
    GC_CONTENT    0.579710144927536   BASEPAIR  19  FREE_ENERGY
    -21.70 LEN_BP_RATIO  3.63157894736842
CAGAGCUGGGCAACUGGACAGGUAAUCAGCGGGAUCGGAACACUCUUCCCAAGAAAGGGCUCAGG
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GUACCAGCUUCAGUCCC
>random_seq_from_cds__NO_3584 RANDOM_LENGTH 78  SEQ_LENGTH    63
   GC_CONTENT    0.507936507936508    BASEPAIR  21  FREE_ENERGY
   -16.50 LEN_BP_RATIO  3
AUCUCAAGCCUCAACAGCAUCACUAGCCAUUCCAGCAUCGGCAGCAGCAAGGAUGCUGAUGCGAA
AAAGAAGAAAAAA
>random_seq_from_cds__NO_3594 RANDOM_LENGTH 83  SEQ_LENGTH    68
   GC_CONTENT    0.470588235294118    BASEPAIR  20  FREE_ENERGY
   -16.80 LEN_BP_RATIO  3.4
UUCCAAGUGUUCAAGGGACUAUAUUUCUAAAAUGGACCCAGCCUCUACCCUGGGACUAAGCACUG
AGUCCAUCCAUGGCUACA
>random_seq_from_cds__NO_3614 RANDOM_LENGTH 82  SEQ_LENGTH    77
   GC_CONTENT    0.597402597402597    BASEPAIR  26  FREE_ENERGY
   -27.30 LEN_BP_RATIO  2.96153846153846
CAGCAGCUUGGCGAUCUCCAUCUCCGUCUUGCCUCCACAGAUGUGUCGCUGGUUGUGGAAGCGGA
GCUCGGUCAGCGUGUUG
>random_seq_from_cds__NO_3617 RANDOM_LENGTH 110 SEQ_LENGTH    99
   GC_CONTENT    0.505050505050505    BASEPAIR  33  FREE_ENERGY
   -24.10 LEN_BP_RATIO  3
AACUCCAGAGCCUCAGUAAACCGGACCAAGAUCUCAUUUGUGAUGCAGUCUGAGUUGUUGACGUU
CACCUCAGUCAUCUCGGGGUCAUUGUUCUUCACUCUCUCCAGAGG
>random_seq_from_cds__NO_3618 RANDOM_LENGTH 87  SEQ_LENGTH    59
   GC_CONTENT    0.677966101694915    BASEPAIR  22  FREE_ENERGY
   -26.90 LEN_BP_RATIO  2.68181818181818
CUCAUCAAAUAUGCUGGGAGCUGCCUCCUCCUCCACCUUGGCCGGUCCUUCAGAGGGCUUGGUGG
GGCCACUGGGCGUCUGUUUCUC
>random_seq_from_cds__NO_3627 RANDOM_LENGTH 75  SEQ_LENGTH    52
   GC_CONTENT    0.596153846153846    BASEPAIR  20  FREE_ENERGY
   -15.80 LEN_BP_RATIO  2.6
CACAGAAGUUGAGCAUGGCCUCCCGGUUGUACACACCCGUGGACUGUUUCUCCGUCUGGUUUCUC
UGCCGCAGCC
>random_seq_from_cds__NO_3638 RANDOM_LENGTH 68  SEQ_LENGTH    58
   GC_CONTENT    0.655172413793103    BASEPAIR  24  FREE_ENERGY
   -26.90 LEN_BP_RATIO  2.41666666666667
CGGGAUGCCACCUUCUGCUUCAUCGUGUCGCUGGCGGUGGCUGAUGUGGCCGUGGGUGCCCUGGU
CAU
>random_seq_from_cds__NO_3641 RANDOM_LENGTH 77  SEQ_LENGTH    52
   GC_CONTENT    0.769230769230769    BASEPAIR  20  FREE_ENERGY
   -31.40 LEN_BP_RATIO  2.6
GUGACCCCCCGGAGGGCGGCGGUGGCCAUAGCCGGCUGCUGGAUCCUCUCCUUCGUGGUGGGACU
GACCCCUAUGUU
>random_seq_from_cds__NO_3649 RANDOM_LENGTH 68  SEQ_LENGTH    56
   GC_CONTENT    0.607142857142857    BASEPAIR  20  FREE_ENERGY
   -24.61 LEN_BP_RATIO  2.8
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GUCGGGCAGCUUUGCUGGAACAGCCGCCCCGCUGCACAGCUGUAGAAGCUGGACCGUUCCCGAGG
AUU
>random_seq_from_cds__NO_3652 RANDOM_LENGTH 97  SEQ_LENGTH    81
    GC_CONTENT    0.654320987654321    BASEPAIR  26  FREE_ENERGY
    -30.60 LEN_BP_RATIO  3.11538461538462
UGGAUGAGGGGGUAUCGGCCCUGGUUGCAGGAGAAGCCGGCAAAGUCAUCUAAGUCCAGUGCCCA
GACCAUGGCCCCGCCCAGUCCCUUCUGCUUCA
>random_seq_from_cds__NO_3654 RANDOM_LENGTH 72  SEQ_LENGTH    57
    GC_CONTENT    0.56140350877193 BASEPAIR  20  FREE_ENERGY
    -17.90 LEN_BP_RATIO  2.85
UGAUCCUGGAUUCUCUGUUUGGUGGCCCCCUUCCAGGAGCAGACCUUCAUAGUAGGCCAGCAUCC
CUCCUUC
>random_seq_from_cds__NO_3658 RANDOM_LENGTH 71  SEQ_LENGTH    43
    GC_CONTENT    0.558139534883721    BASEPAIR  19  FREE_ENERGY
    -20.15 LEN_BP_RATIO  2.26315789473684
AAUCCAGGUUCCUGGGCGAUUUUGUCCACCUCGUAUCCAGCAUCCACAUAGGUCUGCCCAGCUGG
AACCGC
>random_seq_from_cds__NO_3661 RANDOM_LENGTH 82  SEQ_LENGTH    75
    GC_CONTENT    0.533333333333333    BASEPAIR  26  FREE_ENERGY
    -20.00 LEN_BP_RATIO  2.88461538461538
GGCCGAGUUGACAAAGGUCUGACGGUUGUUGGCCGUGGCUACCAUAUCUGUGAACCUUCUGAGUG
CCGAAAUUCCAGCCUCC
>random_seq_from_cds__NO_3670 RANDOM_LENGTH 68  SEQ_LENGTH    54
    GC_CONTENT    0.555555555555556    BASEPAIR  21  FREE_ENERGY
    -23.10 LEN_BP_RATIO  2.57142857142857
UCAGGUCCAGCAAGAUCAGUGACCGGAGGCCCCUCAUGGAACUGCCCACUUCCUGGAUCUCAUUG
UGU
>random_seq_from_cds__NO_3687 RANDOM_LENGTH 85  SEQ_LENGTH    77
    GC_CONTENT    0.532467532467532    BASEPAIR  27  FREE_ENERGY
    -24.50 LEN_BP_RATIO  2.85185185185185
UGUCCUGGCUGAGAAAGCCACUGACUGUCCCUGUUGAAUAGCGGAGGGUGAGUUCUGUUCCAUUG
UGCUUGUAGCUGGAGGAAUC
>random_seq_from_cds__NO_3699 RANDOM_LENGTH 110 SEQ_LENGTH    99
    GC_CONTENT    0.484848484848485    BASEPAIR  36  FREE_ENERGY
    -25.00 LEN_BP_RATIO  2.75
CCAACCAUCUCAUUGUAGGUAGGAUUGCAGGUUUUCCGGGCCACUUUGGUUUUCCUCUUAGUGGU
UUUCUGAGGGUCAGGAAGGAGGUAAAUUUUCACAUAGGGGUCAGG
>random_seq_from_cds__NO_3704 RANDOM_LENGTH 89  SEQ_LENGTH    76
    GC_CONTENT    0.513157894736842    BASEPAIR  26  FREE_ENERGY
    -26.30 LEN_BP_RATIO  2.92307692307692
UGGAACUCCUCAAAGGUCCGCUGGAUGUAGGUGGCCUCGUGAGUGUUCUCUCGCAUCACCUUUAC
CACAUAUAUCAUAGCCUUUGUUGG
>random_seq_from_cds__NO_3708 RANDOM_LENGTH 100 SEQ_LENGTH    88
    GC_CONTENT    0.556818181818182    BASEPAIR  30  FREE_ENERGY
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    -29.80 LEN_BP_RATIO  2.93333333333333
GGCAUCGUACACAUACUUGAGGUCCUCCAGGUCUGAGAGUUCAGGGAUCCCACAGGACAACAUCC
AGGCCCAGAAGGUUGAGGAAGAGGUGGGUGUGCUU
>random_seq_from_cds__NO_3720 RANDOM_LENGTH 71  SEQ_LENGTH    62
    GC_CONTENT    0.596774193548387    BASEPAIR  22  FREE_ENERGY
    -24.61 LEN_BP_RATIO  2.81818181818182
GCCACAGCAGCACAGUAAGGCUGCCAGCAGAUACUGGUAGCGGAUGCUGAACUGAGAGUCCUUGA
GGCCGU
>random_seq_from_cds__NO_3726 RANDOM_LENGTH 90  SEQ_LENGTH    80
    GC_CONTENT    0.5875 BASEPAIR  27  FREE_ENERGY   -29.30
    LEN_BP_RATIO  2.96296296296296
UGUCUUUAAGCUUGCGCUGGUCUUCUUCCCGGAGGCUGCCAAACUCAUAGCGGGGGCUGAACUUG
UCUCCAGGGGGGCUGGUGAACUUGA
>random_seq_from_cds__NO_3736 RANDOM_LENGTH 69  SEQ_LENGTH    57
    GC_CONTENT    0.684210526315789    BASEPAIR  20  FREE_ENERGY
    -20.30 LEN_BP_RATIO  2.85
CACGGCGGCCAGGGCGUUGCAGAUGGCCUUGACGGACUGGACCACCCUGUCAGCCUUCAGUGGGA
AGUC
>random_seq_from_cds__NO_3739 RANDOM_LENGTH 81  SEQ_LENGTH    66
    GC_CONTENT    0.515151515151515    BASEPAIR  24  FREE_ENERGY
    -22.00 LEN_BP_RATIO  2.75
GUAGCCGAAUGUCAAUGUCAAACUUGCGGCAGUAUUGGAUGUACUCAUGACUGCCCAAGGCAUGC
UUGCUUCUGCAGGAAC
>random_seq_from_cds__NO_3745 RANDOM_LENGTH 70  SEQ_LENGTH    58
    GC_CONTENT    0.655172413793103    BASEPAIR  20  FREE_ENERGY
    -22.00 LEN_BP_RATIO  2.9
CUCCUGGCCACGGGUUUUCCAGAGGUGUCUUUGCUGAAGUCCAGCGGCCCUCGGCCCUCCUUCCA
GCCCC
>random_seq_from_cds__NO_3763 RANDOM_LENGTH 78  SEQ_LENGTH    61
    GC_CONTENT    0.39344262295082 BASEPAIR  24  FREE_ENERGY
    -18.90 LEN_BP_RATIO  2.54166666666667
UUUGAAUGAGUCAGUAUCAGAGCAGUUAGGUGUUGGAAUAAAAGUUGAAGCUGCUGAUACUGAAC
AAACAAGUGAAGA
>random_seq_from_cds__NO_3771 RANDOM_LENGTH 80  SEQ_LENGTH    69
    GC_CONTENT    0.565217391304348    BASEPAIR  21  FREE_ENERGY
    -23.74 LEN_BP_RATIO  3.28571428571429
GCCCUUGUCUCCUCUUCAGGCUUGGAGUUCAGCCCUGGGAUCCCAAACCACCUUCGGGCCUGUCU
UUGAAGACCAGCCCC
>random_seq_from_cds__NO_3774 RANDOM_LENGTH 81  SEQ_LENGTH    67
    GC_CONTENT    0.641791044776119    BASEPAIR  24  FREE_ENERGY
    -28.80 LEN_BP_RATIO  2.79166666666667
UGGGGGGCAACCUGGUCAUCAUGAACCCCACCAAGGCACAGGAUGCCGGGGUCUACCAGUGCCUG
GCCUCCAACCCAGUGG
>random_seq_from_cds__NO_3791 RANDOM_LENGTH 110 SEQ_LENGTH    95
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   GC_CONTENT   0.621052631578947   BASEPAIR  34  FREE_ENERGY
   -42.70 LEN_BP_RATIO  2.79411764705882
CAGGUCCCCCAGGAGGUGUGGUGGUGAGGGACAUUGGCGACACCACCAUCCAGCUCAGCUGGAGC
CGUGGCUUCGACAACCACAGCCCCAUCGCUAAGUACACCCUGCAA
>random_seq_from_cds__NO_3800 RANDOM_LENGTH 84  SEQ_LENGTH   77
   GC_CONTENT   0.701298701298701   BASEPAIR  24  FREE_ENERGY
   -32.76 LEN_BP_RATIO  3.20833333333333
GUGACCGUGAGGGCCUACAACCGGGCUGGCACUGGGCCUGCCAGCCCUUCUGCCAACGCCACGAC
CAUGAAGCCCCGCUCCGCG
>random_seq_from_cds__NO_3804 RANDOM_LENGTH 72  SEQ_LENGTH   62
   GC_CONTENT   0.629032258064516   BASEPAIR  20  FREE_ENERGY
   -18.00 LEN_BP_RATIO  3.1
AUCGUGAGGAAUGGAGGGCACAAGCAUGAUGGUGGAGAACAUGGCAGUCCGCCCAGCACCACACC
CUGGCAC
>random_seq_from_cds__NO_3810 RANDOM_LENGTH 82  SEQ_LENGTH   76
   GC_CONTENT   0.565789473684211   BASEPAIR  24  FREE_ENERGY
   -26.50 LEN_BP_RATIO  3.16666666666667
UCAUCCAUCAAGGAGGUUUGGACUGCAUCCGGUGGGGGGCCGUAAGGAUUUUCUUCUGGGUCUUC
UACCUCAGGGGCAAUGG
>random_seq_from_cds__NO_3821 RANDOM_LENGTH 84  SEQ_LENGTH   70
   GC_CONTENT   0.471428571428571   BASEPAIR  24  FREE_ENERGY
   -18.40 LEN_BP_RATIO  2.91666666666667
AUCUCGUGGAUGAUAUUGGACUUUUAAGAUGGGUGAAGGGAAUCGAAACCUCUGGUCACAGUCGC
CUGAAAGAACAUCCCACUG
>random_seq_from_cds__NO_3831 RANDOM_LENGTH 100 SEQ_LENGTH   84
   GC_CONTENT   0.511904761904762   BASEPAIR  25  FREE_ENERGY
   -27.10 LEN_BP_RATIO  3.36
CUAUAUUCAUGUACCUCGAGACCAUCUAGCUUAUCGAUAUGAGGUGCUGAAAAUUAUUGGCAAGG
GGAGUUUUGGGCAGGUGGCCAGGGUCUAUGAUCAC
>random_seq_from_cds__NO_3837 RANDOM_LENGTH 84  SEQ_LENGTH   66
   GC_CONTENT   0.454545454545455   BASEPAIR  19  FREE_ENERGY
   -17.70 LEN_BP_RATIO  3.47368421052632
CCAGUCUCGGUUCUACAGAGCUCCAGAAAUCAUCUUAGGAAGCCGCUACAGCACACCAAUUGACA
UAUGGAGUUUUGGCUGCAU
>random_seq_from_cds__NO_3865 RANDOM_LENGTH 81  SEQ_LENGTH   75
   GC_CONTENT   0.586666666666667   BASEPAIR  22  FREE_ENERGY
   -26.70 LEN_BP_RATIO  3.40909090909091
GGGGUGCAAGCCAUCUGCCUGGAGUUGCCACAGAGCCUUGUUGAAGGUGGGUGUCAGGUCAGGCA
ACGAAGACAUCUCCAG
>random_seq_from_cds__NO_3870 RANDOM_LENGTH 86  SEQ_LENGTH   70
   GC_CONTENT   0.671428571428571   BASEPAIR  26  FREE_ENERGY
   -30.40 LEN_BP_RATIO  2.69230769230769
CCCUGGAGAGUUCGCCCUGAGGGAGAGGAUGGCACUGGCCACCUGAGCCACCUCCUGCUCUGUGA
CUGCGGGGCUGCUGAGAACUG
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>random_seq_from_cds__NO_3880 RANDOM_LENGTH 68  SEQ_LENGTH    55
   GC_CONTENT    0.581818181818182    BASEPAIR  20  FREE_ENERGY
   -21.10 LEN_BP_RATIO  2.75
CAGAUGCAGGUCUCCUGAAUGGAAGCUCCCGGGCGCCGGUUCCGGAAAUAGUGCAGCUGACACCG
CUC
>random_seq_from_cds__NO_3888 RANDOM_LENGTH 70  SEQ_LENGTH    65
   GC_CONTENT    0.661538461538462    BASEPAIR  24  FREE_ENERGY
   -27.30 LEN_BP_RATIO  2.70833333333333
ACUGGCACCGAACAUCCUGCCAGCUCUGAGGCCGACCCUGGCGGACCCGAGGGAAGGUGGAGGUG
CAGUC
>random_seq_from_cds__NO_3890 RANDOM_LENGTH 85  SEQ_LENGTH    69
   GC_CONTENT    0.623188405797101    BASEPAIR  25  FREE_ENERGY
   -25.30 LEN_BP_RATIO  2.76
UGGAAUCUCCUGUCCAGGUCCAGCUGCAGAGAGACAGGGUUCACAUCCAUUCUGUGACUGCCACC
AGCGCAUGGGGCCGGAGGAU
>random_seq_from_cds__NO_3903 RANDOM_LENGTH 110 SEQ_LENGTH    94
   GC_CONTENT    0.595744680851064    BASEPAIR  31  FREE_ENERGY
   -41.20 LEN_BP_RATIO  3.03225806451613
ACUUCCAUCUCCAGGGGUUCAGUUUUGGGCCACACUGCCUCCGGGCUGCAGUUGCCCACACUGCA
AUUGCCCACACUGGCUGGCGCCAUGGGAGAACCCAUUGAUGUUCA
>random_seq_from_cds__NO_3904 RANDOM_LENGTH 84  SEQ_LENGTH    70
   GC_CONTENT    0.542857142857143    BASEPAIR  28  FREE_ENERGY
   -29.60 LEN_BP_RATIO  2.5
GGAAGGGGAAGGUGUCCUGGAUGGGAACAUGGUGCUGCGACUGAUCCAGCUCAUCUUCCUCAUCU
UCUUCAUCCACAUCAUUAU
>random_seq_from_cds__NO_3908 RANDOM_LENGTH 72  SEQ_LENGTH    55
   GC_CONTENT    0.581818181818182    BASEPAIR  22  FREE_ENERGY
   -30.00 LEN_BP_RATIO  2.5
GUUGAGGGCUAUGCCGGGUGGCAUGUUUCCAGGGAAUCUGGAAGCGUUUAGAGUCCCUGUGUAGC
CAGAUGA
>random_seq_from_cds__NO_3918 RANDOM_LENGTH 99  SEQ_LENGTH    84
   GC_CONTENT    0.416666666666667    BASEPAIR  26  FREE_ENERGY
   -20.42 LEN_BP_RATIO  3.23076923076923
GACUCCAAGUCGAUCAACUUUGCAAAUAGGGAAAAGAGAUGCUAAUAGCAGUUUCUUUGACAAUU
CUAGCAGUCCUCAUCUUUUGGAUCAAUUAAAAGC
>random_seq_from_cds__NO_3933 RANDOM_LENGTH 82  SEQ_LENGTH    58
   GC_CONTENT    0.396551724137931    BASEPAIR  23  FREE_ENERGY
   -19.87 LEN_BP_RATIO  2.52173913043478
ACAGCAGAAAGCUGAGUUCUCAGAUCAGAAACAUCAGAAGGAAAUAGAAAAUAUGUGUUUGAAGA
CUUCUCAGCUUACUGGG
>random_seq_from_cds__NO_3939 RANDOM_LENGTH 81  SEQ_LENGTH    70
   GC_CONTENT    0.428571428571429    BASEPAIR  28  FREE_ENERGY
   -17.60 LEN_BP_RATIO  2.5
AAGUCAGCGCAUUAGUAAGUUACAGGAAGACACUUCUGCUCACCAGAAUGUUGUUGCUGAAACCU
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UAAGUGCCCUUGAGAA
>random_seq_from_cds__NO_3956 RANDOM_LENGTH 62  SEQ_LENGTH    54
   GC_CONTENT    0.444444444444444    BASEPAIR  20  FREE_ENERGY
   -21.90 LEN_BP_RATIO  2.7
GAAGACAUACCAGGAGGUGAAUUUGGUGAACAACCAAAUGAACAGCACCCUGUGUCUUUGGC
>random_seq_from_cds__NO_3959 RANDOM_LENGTH 67  SEQ_LENGTH    55
   GC_CONTENT    0.454545454545455    BASEPAIR  21  FREE_ENERGY
   -18.00 LEN_BP_RATIO  2.61904761904762
CUGCAGACCUAUGUUGACUCAUUAAAGGCCGAAAAUUUGGUCUUGUCAACGAAUCUGAGAAACUU
UC
>random_seq_from_cds__NO_3978 RANDOM_LENGTH 85  SEQ_LENGTH    60
   GC_CONTENT    0.516666666666667    BASEPAIR  20  FREE_ENERGY
   -16.40 LEN_BP_RATIO  3
GGAGAAAACACAAGAGCUUGAGUCUCAUCAAAGUGAGUGUCUCCAUUGCAUUCAGGUGGCAGAGG
CAGAGGUGAAGGAAAAGACG
>random_seq_from_cds__NO_3979 RANDOM_LENGTH 94  SEQ_LENGTH    88
   GC_CONTENT    0.454545454545455    BASEPAIR  32  FREE_ENERGY
   -25.71 LEN_BP_RATIO  2.75
GAACUCCUUCAGACUUUGUCCUCUGAUGUGAGUGAGCUGUUAAAAGACAAAACUCAUCUCCAGGA
AAAGCUGCAGAGUUUGGAAAAGGACUCAC
>random_seq_from_cds__NO_3996 RANDOM_LENGTH 78  SEQ_LENGTH    69
   GC_CONTENT    0.420289855072464    BASEPAIR  24  FREE_ENERGY
   -18.70 LEN_BP_RATIO  2.875
UAUUGUUUUGCAAUCUUCAGUGAAUGGCCUCAUUCAAGAAGUAGAAGAUGGCAAGCAGAAACUGG
AGAAGAAGGAUGA
>random_seq_from_cds__NO_4018 RANDOM_LENGTH 84  SEQ_LENGTH    55
   GC_CONTENT    0.545454545454545    BASEPAIR  19  FREE_ENERGY
   -18.91 LEN_BP_RATIO  2.89473684210526
CCCACAGUGCUUGCUUCCCGGGUGGAGAGUGACACGACCAUUAAUGUUAUGAAAUGGAAGACGGU
CUCCACGAUAUUCCUGGUG
>random_seq_from_cds__NO_4032 RANDOM_LENGTH 83  SEQ_LENGTH    70
   GC_CONTENT    0.457142857142857    BASEPAIR  24  FREE_ENERGY
   -23.50 LEN_BP_RATIO  2.91666666666667
AAUAAUCAAUGCCUUGGUCGCUAUAUUGGUAAUCUCUGGGGUAGUCAUCCUGGUACUCGCCAUGA
UACUCAUCAGGGUAUUCU
>random_seq_from_cds__NO_4035 RANDOM_LENGTH 110 SEQ_LENGTH    82
   GC_CONTENT    0.524390243902439    BASEPAIR  30  FREE_ENERGY
   -27.80 LEN_BP_RATIO  2.73333333333333
AAAUUGUCGAGUUGUCCACCGGCUGUAAUGUUAGCUUCUGAUCAUAGAUGUCUCUUCUGGUACCU
GGUGCUAACAUCCCUGCCCUGGCUGGCUCCUUUAUUAGUGCCCAU
>random_seq_from_cds__NO_4058 RANDOM_LENGTH 82  SEQ_LENGTH    73
   GC_CONTENT    0.438356164383562    BASEPAIR  26  FREE_ENERGY
   -22.30 LEN_BP_RATIO  2.80769230769231
AUAUGCAGGAUACAUUACCUGUUUCACUAGUAGGACGAAUGGCAAUUGGUUCUGCCAGCUCGGUU
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UUGCCAGAUCUUGUAAC
>random_seq_from_cds__NO_4059 RANDOM_LENGTH 82  SEQ_LENGTH    67
   GC_CONTENT    0.492537313432836   BASEPAIR  21  FREE_ENERGY
   -16.50 LEN_BP_RATIO  3.19047619047619
CCAAGCAACCCUCUGGGGCAAAGUCAGCAACAUGAGUCUUCUCUUUCUCUAAUGCACUUUGAGAC
ACAAACAUGGGGAAGUA
>random_seq_from_cds__NO_4071 RANDOM_LENGTH 90  SEQ_LENGTH    82
   GC_CONTENT    0.402439024390244   BASEPAIR  26  FREE_ENERGY
   -19.96 LEN_BP_RATIO  3.15384615384615
AGCCACUCUAUUGUAAAGGACCAAGGAAUCCUCAGAUGUAGUACAAUUAUUAUUCAGAGAAGGUG
UUGGUCUUUCCUUAAAAGGAGCAGA
>random_seq_from_cds__NO_4084 RANDOM_LENGTH 84  SEQ_LENGTH    71
   GC_CONTENT    0.464788732394366   BASEPAIR  22  FREE_ENERGY
   -17.23 LEN_BP_RATIO  3.22727272727273
AAACUGCUCAUCUCUGUCAUGGUAUUCUGUUGUUCUCAGGGCAUGUGUAACACCUUCGAUGCUGU
CAACUAUGGGGCAGGCAAA
>random_seq_from_cds__NO_4085 RANDOM_LENGTH 95  SEQ_LENGTH    76
   GC_CONTENT    0.407894736842105   BASEPAIR  24  FREE_ENERGY
   -19.60 LEN_BP_RATIO  3.16666666666667
AUCAUAUGUUGGAUAAACACUUGUAUUUAUUUCCAGUUCUUGGAUGUGGUUGAAUUUUGCAGCGA
UAAAGGGUUGGAUCUCUCAUGCAUCCAUUG
>random_seq_from_cds__NO_4102 RANDOM_LENGTH 89  SEQ_LENGTH    75
   GC_CONTENT    0.56   BASEPAIR  29  FREE_ENERGY   -28.80
   LEN_BP_RATIO  2.58620689655172
CUGAUAGCCGACUGGCCGGUGGUGGUCUUGGGCAUGUGCACCAUGUUCAUCGUAGUCUGUGCCUU
GGUUGGAGUAUUAGUGCCAGAGCU
>random_seq_from_cds__NO_4111 RANDOM_LENGTH 81  SEQ_LENGTH    68
   GC_CONTENT    0.455882352941176   BASEPAIR  21  FREE_ENERGY
   -22.51 LEN_BP_RATIO  3.23809523809524
CACGCCAGCUUUAAAAUACAGCAUGCUCUUCUCUCCCACAGAGAAAGGGGAGAGCAUGAUGAACA
UUUACUUGGACAACUU
>random_seq_from_cds__NO_4140 RANDOM_LENGTH 94  SEQ_LENGTH    85
   GC_CONTENT    0.541176470588235   BASEPAIR  27  FREE_ENERGY
   -18.30 LEN_BP_RATIO  3.14814814814815
CUUGAACUAUGGCCCACACUCUUGCCAGCAGAUGGGGGACUGCUUGUGCCACCAGUGCUCUCCUA
CCACUAGCAGCUUUGUCCAGAUCCAAAAC
>random_seq_from_cds__NO_4142 RANDOM_LENGTH 72  SEQ_LENGTH    66
   GC_CONTENT    0.53030303030303 BASEPAIR  21  FREE_ENERGY
   -20.10 LEN_BP_RATIO  3.14285714285714
UGCAGGGCAGAGUAAAGCCAGCCGGAAUGCAGAAUUCUCUGCCUAGGAAUUUUUCCUCCACCCA
GUGCAGC
>random_seq_from_cds__NO_4155 RANDOM_LENGTH 77  SEQ_LENGTH    58
   GC_CONTENT    0.603448275862069   BASEPAIR  22  FREE_ENERGY
   -24.40 LEN_BP_RATIO  2.63636363636364
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UAUGAAGCGCUAUCAGGGGGUGCCACCACUGAGGGCUUCGAAGACUUCACCGGAGGCAUUGCUGA
GUGGUAUGAGUU
>random_seq_from_cds__NO_4167 RANDOM_LENGTH 67  SEQ_LENGTH    58
    GC_CONTENT    0.517241379310345    BASEPAIR  22  FREE_ENERGY
    -16.60 LEN_BP_RATIO  2.63636363636364
AGAUCUCUGCCUUUGAGCUGCAGACCAUCCUGAGAAGGGUUCUAGCAAAGCGGCCAAGAUAUCAA
GU
>random_seq_from_cds__NO_4168 RANDOM_LENGTH 86  SEQ_LENGTH    79
    GC_CONTENT    0.506329113924051    BASEPAIR  30  FREE_ENERGY
    -25.80 LEN_BP_RATIO  2.63333333333333
CAGAUGGCUUCAGCAUCGAGACAUGCAAAAUUAUGGUUGACAUGCUAGAUGUCGGACGGGAGUGG
CAAGCUGGGGCUGAAGGAGUU
>random_seq_from_cds__NO_4172 RANDOM_LENGTH 110 SEQ_LENGTH    93
    GC_CONTENT    0.56989247311828 BASEPAIR  33  FREE_ENERGY
    -40.50 LEN_BP_RATIO  2.81818181818182
AUCCUCCUCACUUCAGUGCUGGGCUUUGCCAUCUACUGGUUCAUCUCCCGGGACAAAGAGGAAAC
UUUGCCACUUGAAGAUGGGUGGUGGGGGCCAGGCACGAGGUCCGC
>random_seq_from_cds__NO_4187 RANDOM_LENGTH 84  SEQ_LENGTH    71
    GC_CONTENT    0.633802816901408    BASEPAIR  27  FREE_ENERGY
    -31.80 LEN_BP_RATIO  2.62962962962963
UGUCGGUGCUGGAGCGGCAAUGACCUAUGGCUGGAGCCUCCUUGGCACGAGCGCACCAUCCGAGG
CACAGCUGCACUUCUGCAC
>random_seq_from_cds__NO_4191 RANDOM_LENGTH 80  SEQ_LENGTH    68
    GC_CONTENT    0.647058823529412    BASEPAIR  21  FREE_ENERGY
    -27.70 LEN_BP_RATIO  3.23809523809524
GCAGCGGGUGCCCUCGGUCAUUGGUGCUUCAGGGUCACAGUCGCCCUGAGCUCCCAUAGUCCCCA
AGGUCCAGGGUGUGC
>random_seq_from_cds__NO_4207 RANDOM_LENGTH 94  SEQ_LENGTH    87
    GC_CONTENT    0.793103448275862    BASEPAIR  33  FREE_ENERGY
    -47.00 LEN_BP_RATIO  2.63636363636364
GGGAGGUGCGGUUGGAGCCGUCGUCGCGGACGCGCAGCCACUCGACGGUCACCCGGGCCUGGGCG
CUGCGCGGGGACAGCCGCCCGUGCCUGUG
>random_seq_from_cds__NO_4209 RANDOM_LENGTH 84  SEQ_LENGTH    70
    GC_CONTENT    0.671428571428571    BASEPAIR  26  FREE_ENERGY
    -26.50 LEN_BP_RATIO  2.69230769230769
CAUGCCGAACACCAGCAGGUGUGUGCUGGCCUCCGACGCCAGGAACCUGCCGGCCACCUCCUCGG
AAGCUCUGGCUGAACCUCU
>random_seq_from_cds__NO_4216 RANDOM_LENGTH 86  SEQ_LENGTH    76
    GC_CONTENT    0.513157894736842    BASEPAIR  28  FREE_ENERGY
    -24.60 LEN_BP_RATIO  2.71428571428571
UUUGCAGGGAGGCAAGUGAGGCCUAUCUGGUUGGCCUUUUUGAAGACACCAACCUGUGUGCUAUC
CAUGCCAAACGUGUAACAAUU
>random_seq_from_cds__NO_4233 RANDOM_LENGTH 89  SEQ_LENGTH    74
    GC_CONTENT    0.851351351351351    BASEPAIR  28  FREE_ENERGY
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    -49.00 LEN_BP_RATIO  2.64285714285714
CUCCGCCGCGCCCCCAGCCGCCGCCUCCCCGGGCUCGGGCUGCUCCCCUGAGGCGCCCGGGCCGC
GACCGGAUCCAGGUGGCGAGGGCG
>random_seq_from_cds__NO_4243 RANDOM_LENGTH 82  SEQ_LENGTH    68
    GC_CONTENT    0.544117647058823    BASEPAIR  25  FREE_ENERGY
    -25.90 LEN_BP_RATIO  2.72
CUCAUAGUUGACAUCGAUGGGAUCCUUGCUGCUAUCAUCAGACCCUCCCCUGAGCAGACUGUAGG
CCACCUCGAUGUCCAGC
>random_seq_from_cds__NO_4251 RANDOM_LENGTH 110 SEQ_LENGTH    90
    GC_CONTENT    0.555555555555556    BASEPAIR  32  FREE_ENERGY
    -32.70 LEN_BP_RATIO  2.8125
UUGUAGUAGGAGUUGGUUCCUUUAACGAUGUCCACCAGGCCAAGGGUGGCACUGAAGACCUUCCC
ACCUUUCUCCAGGACAUGCGCAGAGUGUUCCAGUCCCAGAAUCAG
>random_seq_from_cds__NO_4267 RANDOM_LENGTH 110 SEQ_LENGTH    75
    GC_CONTENT    0.586666666666667    BASEPAIR  20  FREE_ENERGY
    -18.24 LEN_BP_RATIO  3.75
GCCUUGCUACCAAUUCCAUCCUGGCCUUUGCCCUGUCACUCCUCCAGCUUCCGCUGUCUUCUUGA
CUUUCUGCUGGUCAUCCCACCGAAGCUCAGAGAACCCAUCCACCU
>random_seq_from_cds__NO_4274 RANDOM_LENGTH 82  SEQ_LENGTH    66
    GC_CONTENT    0.545454545454545    BASEPAIR  22  FREE_ENERGY
    -20.00 LEN_BP_RATIO  3
CUUCAUUGGUGGUGCUGCCCACCUUGAGUGCCGUCUCAUACUUGUGCUUCAGAUGCUUGCCCACC
UCAUGGAAAGGCGCCAA
>random_seq_from_cds__NO_4275 RANDOM_LENGTH 73  SEQ_LENGTH    52
    GC_CONTENT    0.692307692307692    BASEPAIR  22  FREE_ENERGY
    -29.70 LEN_BP_RATIO  2.36363636363636
CUGCCGCCAGCAGGUCCGCACCGUGCAUGAGCCUGACACGCCGUGGCACUUGCAGGUGGUCUCCA
CCCCAGCC
>random_seq_from_cds__NO_4284 RANDOM_LENGTH 88  SEQ_LENGTH    73
    GC_CONTENT    0.698630136986301    BASEPAIR  28  FREE_ENERGY
    -34.60 LEN_BP_RATIO  2.60714285714286
ACCCGAUCUGGUGGGUCGCUGGCUGUUGGGCCACAGUAUUCCUCCCUGGGCUCGCAGCCCAUCCU
GUGUGCCAGCAUCCCGGGCCUGG
>random_seq_from_cds__NO_4287 RANDOM_LENGTH 85  SEQ_LENGTH    68
    GC_CONTENT    0.676470588235294    BASEPAIR  25  FREE_ENERGY
    -35.00 LEN_BP_RATIO  2.72
UUGCCUCAGCCGGUGUGGCCUUUGCAGUGACACGCUCAUGUGCAGAAGGCACGGCCGCCAUCUGU
GGCUGCAGCAGCCGCCACCA
>random_seq_from_cds__NO_4297 RANDOM_LENGTH 75  SEQ_LENGTH    48
    GC_CONTENT    0.625  BASEPAIR  20  FREE_ENERGY   -29.05
    LEN_BP_RATIO  2.4
GCCAGGACAAGAUCCGGCCCCUGUGGCGCCACUACUUCCAGAACACACAAGGGCCUGAUCUUCGU
GGUGGACAGC
>random_seq_from_cds__NO_4304 RANDOM_LENGTH 72  SEQ_LENGTH    58
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   GC_CONTENT    0.706896551724138   BASEPAIR  19  FREE_ENERGY
   -25.38 LEN_BP_RATIO  3.05263157894737
CGGGGCACUUGGGGACCCUGUCUUUCCGGCUCACGUUGUCCCUGCACACACCCAGGGCCCACAAC
GCGUCCC
>random_seq_from_cds__NO_4306 RANDOM_LENGTH 97  SEQ_LENGTH    85
   GC_CONTENT    0.670588235294118   BASEPAIR  31  FREE_ENERGY
   -40.80 LEN_BP_RATIO  2.74193548387097
AUCGGUCCUUGCUGCAGAACCCACUGCCCUCCGGCGAAGAGCCGAGGUAGCGCCUCUGGCGGCUC
UCAUACAGGAGGAGGUAGGGGUACGCGGAGGU
>random_seq_from_cds__NO_4309 RANDOM_LENGTH 110 SEQ_LENGTH    70
   GC_CONTENT    0.7 BASEPAIR  29  FREE_ENERGY   -47.30 LEN_BP_RATIO
   2.41379310344828
UCCGCUCCUCCAGCUGCAGCAGCAGCAGCUCCAGAGAGUGACCCUGCCGGUCCAGGCAGGCCACG
CUCUCCCGGAGCCUGCUGGCAGUCUCCUCUUCUUCCGUCUCCAGA
>random_seq_from_cds__NO_4313 RANDOM_LENGTH 95  SEQ_LENGTH    82
   GC_CONTENT    0.658536585365854   BASEPAIR  30  FREE_ENERGY
   -38.10 LEN_BP_RATIO  2.73333333333333
AAAAGCUUGAGGGGCUCGUGGUGCUCCUGGCACAGGUCUUGCUUCUGCAGACCAGGAUGCUGCUG
CGCCAUCUCGGCCACCUUGGUCAGCAGCCG
>random_seq_from_cds__NO_4316 RANDOM_LENGTH 71  SEQ_LENGTH    61
   GC_CONTENT    0.524590163934426   BASEPAIR  23  FREE_ENERGY
   -16.70 LEN_BP_RATIO  2.65217391304348
GCUUCCUCCUGCAGUUUUCUGGCGAGUUCCACAGCCUCCAUUCUAGAAGCAUUUGCGGUGGACGA
UGGAAG
>random_seq_from_cds__NO_4322 RANDOM_LENGTH 77  SEQ_LENGTH    66
   GC_CONTENT    0.621212121212121   BASEPAIR  21  FREE_ENERGY
   -16.60 LEN_BP_RATIO  3.14285714285714
CGCCAUCUCGUUCUCGAAGUCCAGGGCCACGUAGCACAGCUUCUCCUUGAUGUCGCGCACGAUCU
CGCGCUCAGCCU
>random_seq_from_cds__NO_4333 RANDOM_LENGTH 78  SEQ_LENGTH    55
   GC_CONTENT    0.4 BASEPAIR  21  FREE_ENERGY   -17.11 LEN_BP_RATIO
   2.61904761904762
AUCAUCUUUGCCAUCAGAACUGGACCAGCUUAUCUCUCUGAAGAGCUUUGCAAAGGAUUUCCAGU
UUUAGAUCAUUUA
>random_seq_from_cds__NO_4337 RANDOM_LENGTH 95  SEQ_LENGTH    76
   GC_CONTENT    0.421052631578947   BASEPAIR  27  FREE_ENERGY
   -22.29 LEN_BP_RATIO  2.81481481481481
UCAAGCCAAGAAGGGUUUUCUUCUUUGCAAAGUAACGAGUUUCCAUAUUUGCCAAACCCAGAAGU
GUUGCAUGAGCCCUUUUCUAAUUCUUGGCU
>random_seq_from_cds__NO_4348 RANDOM_LENGTH 73  SEQ_LENGTH    67
   GC_CONTENT    0.447761194029851   BASEPAIR  24  FREE_ENERGY
   -20.90 LEN_BP_RATIO  2.79166666666667
UUGUUCAAAGCAAUCAAUAUGGCUGUGUUGACAAGGUCAGAAAGCCGGGAGUGGUGGUUCUUGAG
AACAAUGG
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>random_seq_from_cds__NO_4359 RANDOM_LENGTH 87  SEQ_LENGTH    76
    GC_CONTENT    0.5 BASEPAIR  24  FREE_ENERGY   -18.40 LEN_BP_RATIO
    3.16666666666667
GAUGAGACAUGGAUUGUCUGCUGAGUGCCAUGCUGCUGCCAAAAUCACCAGCCCAUCACCAGUUU
UGCUUCAAGUCCAAAUAUCGAA
>random_seq_from_cds__NO_4367 RANDOM_LENGTH 97  SEQ_LENGTH    85
    GC_CONTENT    0.482352941176471   BASEPAIR  26  FREE_ENERGY
    -16.40 LEN_BP_RATIO  3.26923076923077
CCAAAUAAUGAGCUUCUCUUUGCACACCAGACAAGCCCAUCCACCUUCAUCUAUGUUAAUGGUCA
GCUGGUCAUCGACCUUCAGCCAAUGUUAGGGC
>random_seq_from_cds__NO_4391 RANDOM_LENGTH 90  SEQ_LENGTH    83
    GC_CONTENT    0.843373493975904   BASEPAIR  29  FREE_ENERGY
    -45.20 LEN_BP_RATIO  2.86206896551724
CAGCCCCAGGAGCUUCCGGGCCUCCGGGAGUCCGGCCGCUGCGGGGCGCAGCCGCCCCUUGUCCC
CGGGAGGCGCCGCCGGCCCGCGCCG
>random_seq_from_cds__NO_4400 RANDOM_LENGTH 90  SEQ_LENGTH    84
    GC_CONTENT    0.666666666666667   BASEPAIR  28  FREE_ENERGY
    -32.90 LEN_BP_RATIO  3
CCGUUGGGAGAAAAGGCGAGAGAAAGCACGGGGCCACGGUGGCCUGUGAAAAGCCUCACCGAGUU
CCCCUGCUGAGCGCUCCACAGCCGG
>random_seq_from_cds__NO_4402 RANDOM_LENGTH 75  SEQ_LENGTH    70
    GC_CONTENT    0.6 BASEPAIR  27  FREE_ENERGY   -29.00 LEN_BP_RATIO
    2.59259259259259
UAUAUCCUCAGCGGGUACGUCCGAUCAAAUGACCACAGCCUGGCGGUGCGGUCGUGGGACCCGCU
GGCGAAGUAC
>random_seq_from_cds__NO_4410 RANDOM_LENGTH 86  SEQ_LENGTH    76
    GC_CONTENT    0.473684210526316   BASEPAIR  25  FREE_ENERGY
    -23.50 LEN_BP_RATIO  3.04
CACAGGGCAGUAUUGUUGUCACUUUGGAGGUAGCGGAUAAGGUAGUUGUAGCUGUCUUCUUGGAG
ACGGACCACGUACUUGUUAUC
>random_seq_from_cds__NO_4411 RANDOM_LENGTH 69  SEQ_LENGTH    59
    GC_CONTENT    0.491525423728814   BASEPAIR  20  FREE_ENERGY
    -15.10 LEN_BP_RATIO  2.95
UAGGAAUGCUCGAAGCUUGAAGUUAGAUAGGAUGUCCUGGAUGGUUUGAGUGGUCUGUAGCUGCU
CAAU
>random_seq_from_cds__NO_4412 RANDOM_LENGTH 110 SEQ_LENGTH    87
    GC_CONTENT    0.494252873563218   BASEPAIR  33  FREE_ENERGY
    -25.30 LEN_BP_RATIO  2.63636363636364
GACAUCCUUCUGGCUAGCAUUCUGCAGAAACAUUCCAUGGAAGCGGCUGUAAAAACUUUCCACUG
UGCUCUUCGGACUGUUUUGGACCAGGUUGAGAUGGAGGUAGACAA
>random_seq_from_cds__NO_4414 RANDOM_LENGTH 81  SEQ_LENGTH    66
    GC_CONTENT    0.53030303030303 BASEPAIR  22  FREE_ENERGY
    -20.90 LEN_BP_RATIO  3
CAGUCGUCCAAACUGUACUUCAUAUUGCUGGGGUUCUGCCUGGCAAGGGGCUGCAGACACUAUGU
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UGGCACAACCAGAUUC
>random_seq_from_cds__NO_4416 RANDOM_LENGTH 87  SEQ_LENGTH    63
    GC_CONTENT    0.587301587301587    BASEPAIR  25  FREE_ENERGY
    -26.60 LEN_BP_RATIO  2.52
CCAUCUGAGUCCACGUACUGCCGGCGUUUGAGGUAGCAGGACACUGCCAUCUGAAUCUGCUCGGU
ACGCACUCGUUUCAUAAUGCGG
>random_seq_from_cds__NO_4423 RANDOM_LENGTH 94  SEQ_LENGTH    79
    GC_CONTENT    0.531645569620253    BASEPAIR  29  FREE_ENERGY
    -28.20 LEN_BP_RATIO  2.72413793103448
UGAUCGCUGAGGACGGGGCUCUCUUGGGGAAAAUUGAGAAAGUGCGAGUUCUUAGAAAUGAUCGA
CGAGAAGGGCCUCAUGCGCUCACGGGUUC
>random_seq_from_cds__NO_4432 RANDOM_LENGTH 95  SEQ_LENGTH    81
    GC_CONTENT    0.518518518518518    BASEPAIR  21  FREE_ENERGY
    -19.54 LEN_BP_RATIO  3.85714285714286
UUGCUGAUGGUGUGGUUGGAGUUUAUGAAUGUCACAAUGCUGGGGGAAACCAGGGAAUGGGCCUU
GACGAAGGAGAAGUCGGUGAAGCACAUGGA
>random_seq_from_cds__NO_4434 RANDOM_LENGTH 89  SEQ_LENGTH    78
    GC_CONTENT    0.666666666666667    BASEPAIR  22  FREE_ENERGY
    -26.94 LEN_BP_RATIO  3.54545454545455
AAAUGGGAACAGAUCGAGGGCAACUCCAAGCUGAGGCACGUGGGCAGCAACCUGUGCCUGGACAG
UCGCACGGCCAAGAGCGGGGGCCU
>random_seq_from_cds__NO_4457 RANDOM_LENGTH 97  SEQ_LENGTH    84
    GC_CONTENT    0.607142857142857    BASEPAIR  28  FREE_ENERGY
    -36.40 LEN_BP_RATIO  3
GCUGAUUGUGCUCAGGUAUGCGGAUGAGGAGCUCCAGCUGGACUUCGAUGACUUCCUCAACUGCC
UGGUCCGGCUGGAGAAUGCGAGCCGGGGUGUU
>random_seq_from_cds__NO_4462 RANDOM_LENGTH 87  SEQ_LENGTH    76
    GC_CONTENT    0.421052631578947    BASEPAIR  26  FREE_ENERGY
    -18.80 LEN_BP_RATIO  2.92307692307692
AGGUGCUCCUGAUAUGGAAGAUAUAUUGACUGAAUCAGAAAUUAAAUUGGAUGGUGUCAGACAAA
AGAUAUUCCAGGUAGCCCAAGA
>random_seq_from_cds__NO_4470 RANDOM_LENGTH 84  SEQ_LENGTH    78
    GC_CONTENT    0.615384615384615    BASEPAIR  26  FREE_ENERGY
    -31.50 LEN_BP_RATIO  3
GCUUCCUGGUGCUGGGCUACUUGCUCUACCUGGUCUUCGGCGCAGUGGUCUUCUCCUCGGUGGAG
CUGCCCUAUGAGGACCUGC
>random_seq_from_cds__NO_4472 RANDOM_LENGTH 72  SEQ_LENGTH    55
    GC_CONTENT    0.672727272727273    BASEPAIR  19  FREE_ENERGY
    -21.80 LEN_BP_RATIO  2.89473684210526
GGCGUGUCGGUGCUCAGCAACGCCUCGGGCAACUGGAACUGGGACUUCACCUCCGCGCUCUUCUU
CGCCAGC
>random_seq_from_cds__NO_4474 RANDOM_LENGTH 81  SEQ_LENGTH    55
    GC_CONTENT    0.654545454545455    BASEPAIR  20  FREE_ENERGY
    -22.00 LEN_BP_RATIO  2.75
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UCACCCUCCUGUUCCUGACGGCUGUGGUCCAGCGCAUCACCGUGCACGUCACCCGCAGGCCGGUC
CUCUACUUCCACAUCC
>random_seq_from_cds__NO_4503 RANDOM_LENGTH 81  SEQ_LENGTH    55
    GC_CONTENT    0.454545454545455    BASEPAIR   20  FREE_ENERGY
    -18.10 LEN_BP_RATIO  2.75
UGAUCAGAAGAAAGAACUGUGAGGGCUUCUAGUGCAGACUGCAAAGUCCUUAUUGGCAUCUGAAC
GGCAGGUAGAAACGGU
>random_seq_from_cds__NO_4504 RANDOM_LENGTH 88  SEQ_LENGTH    57
    GC_CONTENT    0.421052631578947    BASEPAIR   21  FREE_ENERGY
    -23.40 LEN_BP_RATIO  2.71428571428571
UCCAGAAUUUCACUCCCUGUGGUUGGUAUAAGGGUGUGAUAUUUUUCAACAGGAAAGAGAGGCA
CACCCAUUGAUCAUGAAUAUAUU
>random_seq_from_cds__NO_4527 RANDOM_LENGTH 71  SEQ_LENGTH    63
    GC_CONTENT    0.73015873015873 BASEPAIR   21  FREE_ENERGY
    -24.79 LEN_BP_RATIO  3
CCGCCGACACCUCCACCGCCCUCUGCAGCAGGUAGCGCGCUCGCUUGCGCGUCAGGGCGUCCGCC
UGGCCC
>random_seq_from_cds__NO_4532 RANDOM_LENGTH 89  SEQ_LENGTH    70
    GC_CONTENT    0.8 BASEPAIR   29  FREE_ENERGY   -44.90 LEN_BP_RATIO
    2.41379310344828
GCCCGUCCUCGCGGGGCCGCAAACAUGGCCCGACGGCUGCUAGCACUUCCACGGCAGCCUCGGCG
CCAGGCGCGCGCCACCCGGCGAGC
>random_seq_from_cds__NO_4537 RANDOM_LENGTH 81  SEQ_LENGTH    58
    GC_CONTENT    0.448275862068966    BASEPAIR   21  FREE_ENERGY
    -20.40 LEN_BP_RATIO  2.76190476190476
ACCCACUCCAUAAUGAGUGACACUUUGACAGCGGAUGUCAUUGGUCGAAGAGUUGAAGUUAAUGG
AGAACAUGCAACAGUA
>random_seq_from_cds__NO_4553 RANDOM_LENGTH 110 SEQ_LENGTH    104
    GC_CONTENT    0.509615384615385    BASEPAIR   33  FREE_ENERGY
    -29.00 LEN_BP_RATIO  3.15151515151515
UGCCGGGGCUCCAUGACAAUUCAAAAGGUGAAGGGAUUGCUGUCACGUCUUCUCAAAGUUCCUGU
GUCAGACCUUCUGUUGUCCUAUGAAAGUCCCAAAGAAGCCGGGCA
>random_seq_from_cds__NO_4557 RANDOM_LENGTH 86  SEQ_LENGTH    79
    GC_CONTENT    0.518987341772152    BASEPAIR   27  FREE_ENERGY
    -17.90 LEN_BP_RATIO  2.92592592592593
CUCCCACCUAAGGAAAGCCGGCACCCAGAUUGAGAACAUCGAGGAAGACUUCAGGAAUGGCCUUA
AGCUCAUGCUGCUUUUGGAAG
>random_seq_from_cds__NO_4563 RANDOM_LENGTH 78  SEQ_LENGTH    72
    GC_CONTENT    0.555555555555556    BASEPAIR   24  FREE_ENERGY
    -17.00 LEN_BP_RATIO  3
UCGUGAACACCCCUAAACCCGAUGAAAGAGCCAUCAUGACGUACGUCUCUUGCUUCUACCACGCU
UUUGCGGGCGCGG
>random_seq_from_cds__NO_4567 RANDOM_LENGTH 72  SEQ_LENGTH    61
    GC_CONTENT    0.60655737704918 BASEPAIR   25  FREE_ENERGY
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    -32.90 LEN_BP_RATIO  2.44
CUGCGGAUCAGCAACCGUCCUGCCUUCAUGCCCUCCGAGGGCAAGAUGGUGUCGGGAUAUUGCUG
GUGCCUG
>random_seq_from_cds__NO_4581 RANDOM_LENGTH 75  SEQ_LENGTH    55
    GC_CONTENT    0.490909090909091    BASEPAIR  19  FREE_ENERGY
    -19.50 LEN_BP_RATIO  2.89473684210526
GAUGAAUGAGUUCAGAGCCUCCUUCAACCACUUUGACAGGGAGGAAGAAUGGCCUGAUGGAUCAU
GAGGAUUUCA
>random_seq_from_cds__NO_4582 RANDOM_LENGTH 87  SEQ_LENGTH    79
    GC_CONTENT    0.556962025316456    BASEPAIR  32  FREE_ENERGY
    -38.70 LEN_BP_RATIO  2.46875
GAGCCUGCCUGAUUUCCAUGGGUUAUGACCUGGGGUGAAGCCGAAUUUGCCCGCAUUAUGACCCU
GGUAGAUCCCAACGGGCAAGGC
>random_seq_from_cds__NO_4588 RANDOM_LENGTH 98  SEQ_LENGTH    74
    GC_CONTENT    0.418918918918919    BASEPAIR  26  FREE_ENERGY
    -18.90 LEN_BP_RATIO  2.84615384615385
CUGAAAGGCAACAAUGACAUUUUAAGUAUAACUCAGCCUGAUGUCAUUUACCAAAUCCAUAAGGG
AAUACUUGCUGGCUGGGGCAGAUAUCAUUGAAA
>random_seq_from_cds__NO_4593 RANDOM_LENGTH 73  SEQ_LENGTH    55
    GC_CONTENT    0.527272727272727    BASEPAIR  21  FREE_ENERGY
    -17.60 LEN_BP_RATIO  2.61904761904762
UGCCAAUGCCAAGGGCAGCCUUGUUUGCACUCCAAAAUCUUUUUGAGGAGAAAUAUGCUCCCCGG
CCUAUCUU
>random_seq_from_cds__NO_4594 RANDOM_LENGTH 84  SEQ_LENGTH    64
    GC_CONTENT    0.53125    BASEPAIR  27  FREE_ENERGY   -28.91
    LEN_BP_RATIO  2.37037037037037
UGAUUUCAGGGACGAUCGUUGAUAAAAGUGGGCGGACUCUUUCCGGACAGACAGGAGAGGGAUUU
GUCAUCAGCGUGUCUCAUG
>random_seq_from_cds__NO_4597 RANDOM_LENGTH 78  SEQ_LENGTH    71
    GC_CONTENT    0.464788732394366    BASEPAIR  22  FREE_ENERGY
    -21.29 LEN_BP_RATIO  3.22727272727273
UGAUGGCCAAGCACCUAAAGGGAUUUUGCUAUGGAUGGCUUGGUCAAUAUAGUUGGAGGAUGCUG
UGGGUCAACACCA
>random_seq_from_cds__NO_4602 RANDOM_LENGTH 86  SEQ_LENGTH    81
    GC_CONTENT    0.45679012345679 BASEPAIR  26  FREE_ENERGY
    -19.40 LEN_BP_RATIO  3.11538461538462
CCAAUUUUGCUGUGAUUGAAGCUGGGUUAAAGUGCUGCCAAGGGAAGUGCAUUGUCAAUAGCAUU
AGUCUGAAGGAAGGAGAGGAC
>random_seq_from_cds__NO_4607 RANDOM_LENGTH 89  SEQ_LENGTH    78
    GC_CONTENT    0.461538461538462    BASEPAIR  28  FREE_ENERGY
    -26.60 LEN_BP_RATIO  2.78571428571429
AGAAGCAAUGCAUGGGGUUUUCCUUUACCAUGCAAUCAAGGUCUGGCAUGGACAUGGGGAUAGUG
AAUGCUGGAAACCUCCCUGUGUAU
>random_seq_from_cds__NO_4612 RANDOM_LENGTH 70  SEQ_LENGTH    54
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    GC_CONTENT    0.5 BASEPAIR  20  FREE_ENERGY   -15.20 LEN_BP_RATIO
    2.7
GCUGUUGGCCACCUUAUCCCUUUCAUGGAAAAAGAAAGAGAAGAAACCAGAGUGCUUAACGGCAC
AGUAG
>random_seq_from_cds__NO_4633 RANDOM_LENGTH 87  SEQ_LENGTH    79
    GC_CONTENT    0.594936708860759   BASEPAIR  29  FREE_ENERGY
    -32.10 LEN_BP_RATIO  2.72413793103448
CUGGCAGACUGACACGCUGCAGUGCAGAUGCACCCGGUCCCCUGAGGGCCUGUUUCUCCACUGUA
GGGUUCACAAAGCUGAAGGUGA
>random_seq_from_cds__NO_4634 RANDOM_LENGTH 69  SEQ_LENGTH    56
    GC_CONTENT    0.589285714285714   BASEPAIR  19  FREE_ENERGY
    -21.30 LEN_BP_RATIO  2.94736842105263
AGAUGCUGAAGCGCUGGUGGUGAGAGGGAAAUGGAAGAUCCAAGGCUUUCUGGACAGGGAUCAGC
UGGG
>random_seq_from_cds__NO_4637 RANDOM_LENGTH 109 SEQ_LENGTH    100
    GC_CONTENT    0.52   BASEPAIR  36  FREE_ENERGY   -32.80
    LEN_BP_RATIO  2.77777777777778
GGUAGUCACCAACACCGUAGUAAGAGCCAUAGUUUUUAUCCUUUGGCAAUCUGAAGUUCCAGAGU
GAGGGGUCCAGGCUGGGUCUCAGGAAAGGGUGGUGGGAGAGUGA
>random_seq_from_cds__NO_4664 RANDOM_LENGTH 68  SEQ_LENGTH    48
    GC_CONTENT    0.416666666666667   BASEPAIR  19  FREE_ENERGY
    -16.00 LEN_BP_RATIO  2.52631578947368
AGCUUUAAUAACUGGGGUCUGGCAUGCGUUCUGUCACACCUCCAAUCUUAAAGUUCAUCGUAGAU
CUC
>random_seq_from_cds__NO_4672 RANDOM_LENGTH 110 SEQ_LENGTH    96
    GC_CONTENT    0.625  BASEPAIR  32  FREE_ENERGY   -43.20
    LEN_BP_RATIO  3
AGCCCCGGGGCAAAGAGCCUGAUGAGACUGUGCACAGUUUUGCCCAGCGCCGCCUUGGACCUGAG
GGUGGCGUCUCUAGCCAUGGACAGUCUCUGCCGUGGAGUGUUUGC
>random_seq_from_cds__NO_4678 RANDOM_LENGTH 78  SEQ_LENGTH    66
    GC_CONTENT    0.515151515151515   BASEPAIR  24  FREE_ENERGY
    -21.80 LEN_BP_RATIO  2.75
CCAUCUGCCUGUCCAGGGGAUUUGGACAUUUGGUGCCAUCUUCAGAAGAUCCAGGAGUCCUGGGA
AUCGUGUAUGACU
>random_seq_from_cds__NO_4694 RANDOM_LENGTH 75  SEQ_LENGTH    70
    GC_CONTENT    0.471428571428571   BASEPAIR  25  FREE_ENERGY
    -17.60 LEN_BP_RATIO  2.8
CAAGCCAGACAGGAGCUUGGAUCUAGGAGGCAGUAUGGUAAUAAAAUUUGUGGAUGCGCUUCAGG
AGCGUGGUUU
>random_seq_from_cds__NO_4699 RANDOM_LENGTH 84  SEQ_LENGTH    66
    GC_CONTENT    0.515151515151515   BASEPAIR  21  FREE_ENERGY
    -16.60 LEN_BP_RATIO  3.14285714285714
UGGGUGGCGUUGGUAGGAUGGAUCAGAAUAUUGCCAAGUACAAGGUGAAGAUCCGAGGCAUGAAG
UGGUACUCAAGCUUUAUUG
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>random_seq_from_cds__NO_4707 RANDOM_LENGTH 84  SEQ_LENGTH    66
    GC_CONTENT    0.575757575757576    BASEPAIR  19  FREE_ENERGY
    -19.63 LEN_BP_RATIO  3.47368421052632
CUUUCUCCUGCGUGUCCCUGCUUCUCCUCGCCGGUCUCCUCCGCAGGGUUCUCUUCUUCUUGUUU
CUGGGACAUGUUAGCCGUC
>random_seq_from_cds__NO_4708 RANDOM_LENGTH 102 SEQ_LENGTH    78
    GC_CONTENT    0.474358974358974    BASEPAIR  24  FREE_ENERGY
    -19.30 LEN_BP_RATIO  3.25
UUCUUUUGGGGGUGUGUACCAGCCCGUUUUUUUCGUGGAUCUGCACCAAGGACUUGUAGGACUGC
UGUGCUCUUGUCAGACUGUAUUGAGACUUUGUUGGCU
>random_seq_from_cds__NO_4717 RANDOM_LENGTH 84  SEQ_LENGTH    74
    GC_CONTENT    0.608108108108108    BASEPAIR  26  FREE_ENERGY
    -26.10 LEN_BP_RATIO  2.84615384615385
GGGUCAUCAGACUCCACCGACCAGAUGGGGGGCACAGCAGGGUAUGACUCCCGUGAUGUUGCAGU
GGAUGCGGACAGGAUCCCC
>random_seq_from_cds__NO_4719 RANDOM_LENGTH 81  SEQ_LENGTH    61
    GC_CONTENT    0.704918032786885    BASEPAIR  20  FREE_ENERGY
    -28.10 LEN_BP_RATIO  3.05
GAACUCGCAGCUCAGCUCGUCCAGGCAGGCGCUGGCAAUGCGGAAGCGCUCGUGGCCGCGGUGGA
AGAUGGACUCGAGCAG
>random_seq_from_cds__NO_4728 RANDOM_LENGTH 89  SEQ_LENGTH    77
    GC_CONTENT    0.519480519480519    BASEPAIR  22  FREE_ENERGY
    -24.43 LEN_BP_RATIO  3.5
CAAGCCAGGGUCACUGUUCAUGGUCUGAACGAUUUCCAUGCCCCUGGUUGAGCACAACCCAGUUU
GGGUCAAUCUGAGCAUCACCCUCA
>random_seq_from_cds__NO_4757 RANDOM_LENGTH 86  SEQ_LENGTH    72
    GC_CONTENT    0.458333333333333    BASEPAIR  25  FREE_ENERGY
    -15.60 LEN_BP_RATIO  2.88
GAUGAAAAUUUUAAACUUAGACACUCAGCUCCAGGCCUGCUUUCCAUGGGCGAACAGUGGUCCAA
GUACAAAUGGCUGUCAGUUCU
>random_seq_from_cds__NO_4763 RANDOM_LENGTH 87  SEQ_LENGTH    75
    GC_CONTENT    0.466666666666667    BASEPAIR  26  FREE_ENERGY
    -19.11 LEN_BP_RATIO  2.88461538461538
GUGCUGGUGCCUGCUGCUAAAGUUUGUCCUGCUCCCGAAGCACUGGUCACACAACCAACUGAAUU
GCAGAGAGUAAUAGUAAACUCA
>random_seq_from_cds__NO_4768 RANDOM_LENGTH 78  SEQ_LENGTH    69
    GC_CONTENT    0.420289855072464    BASEPAIR  28  FREE_ENERGY
    -18.30 LEN_BP_RATIO  2.46428571428571
AGUGAUGGUUGUCAUUGUUUGAGGAGGUUUUAAUGCAUUUUCAUUGGCCGAUUCUACAAAUGAAU
GAGGACUGAGCCA
>random_seq_from_cds__NO_4770 RANDOM_LENGTH 89  SEQ_LENGTH    53
    GC_CONTENT    0.471698113207547    BASEPAIR  19  FREE_ENERGY
    -15.50 LEN_BP_RATIO  2.78947368421053
UUCAUAUCUUAUAAUUAUUCCCAUUUAGUUCCGCUGGUGGAGACCAUUCUACAUGAAGUUCUGUA
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GAACUGAUUUUCUGCAUCUUAGGU
>random_seq_from_cds__NO_4772 RANDOM_LENGTH 75  SEQ_LENGTH    58
    GC_CONTENT    0.482758620689655   BASEPAIR  19  FREE_ENERGY
    -17.80 LEN_BP_RATIO  3.05263157894737
CAGAAAAAUCGUACUUGGCAAAUGGAACCAGAUUCCAGAUGGUAGCUGAGGUUUCAUGACCUUCG
UAGGAAACAC
>random_seq_from_cds__NO_4779 RANDOM_LENGTH 94  SEQ_LENGTH    84
    GC_CONTENT    0.464285714285714   BASEPAIR  26  FREE_ENERGY
    -21.97 LEN_BP_RATIO  3.23076923076923
UUACAAGGCUGACAUCCUUCCAGUCUGAGGAUCAAAUCCAAAGUAAUGGUCUUUGCAUUGGUCAC
AACGUUGCCCAGCAAUGGAAGCAUCUUGG
>random_seq_from_cds__NO_4780 RANDOM_LENGTH 78  SEQ_LENGTH    55
    GC_CONTENT    0.509090909090909   BASEPAIR  21  FREE_ENERGY
    -19.50 LEN_BP_RATIO  2.61904761904762
CAAACACACUGACCAGUCAGGCUAUUACAGAUGUGAUUAACUGCACCAGUUGUAUGGCAUGAGCA
UGGCAGGCAGCCA
>random_seq_from_cds__NO_4787 RANDOM_LENGTH 88  SEQ_LENGTH    67
    GC_CONTENT    0.432835820895522   BASEPAIR  23  FREE_ENERGY
    -22.72 LEN_BP_RATIO  2.91304347826087
AAGUCCUUUGGCUUCUUUUUUGCACUCACACUGCCCAGAGUGAGGAUUGCAGAAUUUGUUCACUG
AGCCAUGGAGGUUACACUGGCAG
>random_seq_from_cds__NO_4794 RANDOM_LENGTH 81  SEQ_LENGTH    64
    GC_CONTENT    0.453125  BASEPAIR  22  FREE_ENERGY   -17.70
    LEN_BP_RATIO  2.90909090909091
UGGAAUGGCUGUUGCAUUGACAAGGUUUACAAUUGAAAGCGUAAACUUGAUCACCUUGGCGGAAA
GGCUUGUCAUUAUAAA
>random_seq_from_cds__NO_4803 RANDOM_LENGTH 90  SEQ_LENGTH    78
    GC_CONTENT    0.564102564102564   BASEPAIR  27  FREE_ENERGY
    -28.70 LEN_BP_RATIO  2.88888888888889
UUCAACCGUGACACUCUAUUAUCAGCUGUGUCUCCUGCAUCAUUAGGAAUGCAGUACCGCUGUGC
CAAAGGGUGGACCCGCGGGUGGCUG
>random_seq_from_cds__NO_4838 RANDOM_LENGTH 84  SEQ_LENGTH    72
    GC_CONTENT    0.597222222222222   BASEPAIR  25  FREE_ENERGY
    -26.80 LEN_BP_RATIO  2.88
ACUAAAGGCCUGUGAGGCUGGAAGAGUGACACGCUAUGGGAUUGCAGGUCCUUGGUCACUACCUC
CGGCGGCAGCGAGAUCCCA
>random_seq_from_cds__NO_4841 RANDOM_LENGTH 97  SEQ_LENGTH    80
    GC_CONTENT    0.6 BASEPAIR  26  FREE_ENERGY   -33.00 LEN_BP_RATIO
    3.07692307692308
GAUGGGAUUCUUUUUGGGAUGGUGGGGGCCUAUGACUGGGGAGGCUCUGUGCUAUGGCUUGAAGG
AGGCCACCGCCUUUUCCCCCCACGAAUGGCAC
>random_seq_from_cds__NO_4849 RANDOM_LENGTH 72  SEQ_LENGTH    48
    GC_CONTENT    0.5625 BASEPAIR  19  FREE_ENERGY   -23.00
    LEN_BP_RATIO  2.52631578947368
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UCCAUCUGACCCCAUCACUGGAGGUGACCCCACAGGCCAUCAGUGUGGUUCAGAGGGACUGUAGG
CGGCGAG
>random_seq_from_cds__NO_4852 RANDOM_LENGTH 86  SEQ_LENGTH    62
    GC_CONTENT    0.548387096774194   BASEPAIR  22  FREE_ENERGY
    -18.80 LEN_BP_RATIO  2.81818181818182
CUACACUUCCAUGUGCUGGGAUACAUCAGAUUACCUCCGGCCAGUGGCCUUGACUGUGACCUUUG
CCUUGGACAAUACUACAAAGC
>random_seq_from_cds__NO_4853 RANDOM_LENGTH 88  SEQ_LENGTH    67
    GC_CONTENT    0.611940298507463   BASEPAIR  23  FREE_ENERGY
    -31.00 LEN_BP_RATIO  2.91304347826087
CAGGGCCUGUGCUGAAUGAGGGCUCACCCACCUCUAUACAAAAGCUGGGUCCCCUUCUCAAAGGA
UUGUGGCCCUGACAAUGAAUGUG
>random_seq_from_cds__NO_4855 RANDOM_LENGTH 110 SEQ_LENGTH    99
    GC_CONTENT    0.484848484848485   BASEPAIR  28  FREE_ENERGY
    -26.70 LEN_BP_RATIO  3.53571428571429
CGGAAAGUGCUGGUAUCUACAACUCUGGAGAACAGAAAGGAAAAUGCUUACAAUACGAGCCUGAG
UCUCAUCUUCUCUAGAAACCUCCACCUGGCCAGUCUCACUCCUCA
>random_seq_from_cds__NO_4864 RANDOM_LENGTH 98  SEQ_LENGTH    80
    GC_CONTENT    0.5875 BASEPAIR  25  FREE_ENERGY   -29.70
    LEN_BP_RATIO  3.2
CCGAAGAGGGCAGUGUCCUACAGCUGACUGAAGCCUCCCGUUGGAGUGAGGAGCCUCUUGGAGGU
GGUUCAGACCCGGCCUAUCCUCAUCUCCCUGUG
>random_seq_from_cds__NO_4865 RANDOM_LENGTH 68  SEQ_LENGTH    61
    GC_CONTENT    0.59016393442623 BASEPAIR  22  FREE_ENERGY
    -31.50 LEN_BP_RATIO  2.77272727272727
GAUCCUCAUAGGCAGUGUCCUGGGAGGGUUGCUCCUGCUUGCUCUCCUUGUCUUCUGCCUGUGGA
AGG
>random_seq_from_cds__NO_4881 RANDOM_LENGTH 85  SEQ_LENGTH    60
    GC_CONTENT    0.65   BASEPAIR  22  FREE_ENERGY   -30.60
    LEN_BP_RATIO  2.72727272727273
UCAGCACCCUGGCUCUGGCCAUGGCGGGAGGAAGGCUGGCUUGGUCCUGCCUCAGAGCCCCAUUG
CUCACACUCUUCCUUGGACC
>random_seq_from_cds__NO_4885 RANDOM_LENGTH 70  SEQ_LENGTH    58
    GC_CONTENT    0.689655172413793   BASEPAIR  22  FREE_ENERGY
    -27.80 LEN_BP_RATIO  2.63636363636364
GGAGCGUGUUGCGGCGAGCCAUGGGGAGGUGGAGCGACUUGAGCGUCAUGGCCUCCAUGCCCCGC
ACCAU
>random_seq_from_cds__NO_4886 RANDOM_LENGTH 65  SEQ_LENGTH    55
    GC_CONTENT    0.636363636363636   BASEPAIR  21  FREE_ENERGY
    -25.90 LEN_BP_RATIO  2.61904761904762
GCUGUUCAUCACCUCCAGGCUGUGGCGCUUGUUCACAGUGCCGUGGUGCUUGGUGGCCGUGAGGG
>random_seq_from_cds__NO_4888 RANDOM_LENGTH 81  SEQ_LENGTH    67
    GC_CONTENT    0.73134328358209 BASEPAIR  26  FREE_ENERGY
    -38.90 LEN_BP_RATIO  2.57692307692308
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GGGUCACCAGGUCCGGGCUGCUGCCGCUGACGUACUUGUGGCGGUGGCUGGCCAGGUCUGGGGUG
CUGGUGGCAGGUCGUG
>random_seq_from_cds__NO_4891 RANDOM_LENGTH 83  SEQ_LENGTH    65
   GC_CONTENT    0.523076923076923    BASEPAIR  21  FREE_ENERGY
   -21.60 LEN_BP_RATIO  3.0952380952381
AUUAUUCUUUGGGUUCCUCUGGUCAGAUGGACUGACAAGUUUGUUGCUGUAGACCCCCUGUGGCC
CAUAAGGGACAGUGUAGG
>random_seq_from_cds__NO_4892 RANDOM_LENGTH 81  SEQ_LENGTH    74
   GC_CONTENT    0.554054054054054    BASEPAIR  25  FREE_ENERGY
   -20.52 LEN_BP_RATIO  2.96
GGUGCCUCUCCCGCAUCUCCGGUUGGCUGUACACCAGAUCCUCUGGCUGGUUGUAGGCAUGGGUG
UUGAUAAUGUUGAGGU
>random_seq_from_cds__NO_4906 RANDOM_LENGTH 70  SEQ_LENGTH    59
   GC_CONTENT    0.593220338983051    BASEPAIR  22  FREE_ENERGY
   -17.70 LEN_BP_RATIO  2.68181818181818
GGCAUUCUUGCCCUGUGCUUUCCACCGACAGCGUGCACUCGAUAACAUUGCUGUCCAGCAGGCGA
AUCCG
>random_seq_from_cds__NO_4911 RANDOM_LENGTH 80  SEQ_LENGTH    69
   GC_CONTENT    0.478260869565217    BASEPAIR  26  FREE_ENERGY
   -22.70 LEN_BP_RATIO  2.65384615384615
CAUCAUCAUCAUCGGUGUGGGUUGUCUCUUCAUGAGUUAGUUGCUGUCAUUCUUGAUGACGACCU
CUAAUCCGUGGUGCC
>random_seq_from_cds__NO_4928 RANDOM_LENGTH 80  SEQ_LENGTH    66
   GC_CONTENT    0.666666666666667    BASEPAIR  22  FREE_ENERGY
   -24.80 LEN_BP_RATIO  3
AACCCAUCGGACUCCCCAUCUCGAUCCCAGGCUGCAGGAUCCAGUAGCAGCUGGGGCACCUGGCC
CAGAGGUUCUGCCAC
>random_seq_from_cds__NO_4931 RANDOM_LENGTH 87  SEQ_LENGTH    75
   GC_CONTENT    0.693333333333333    BASEPAIR  28  FREE_ENERGY
   -38.00 LEN_BP_RATIO  2.67857142857143
CAGCAGGAUCCCAGCCCUCCUUUCCAGUCUCCCCUUGAGGGGGUGGCCUCUGCUCUCCAGUGGGG
UCCCACCUGGGGGAGGUGGGGG
>random_seq_from_cds__NO_4932 RANDOM_LENGTH 81  SEQ_LENGTH    72
   GC_CONTENT    0.597222222222222    BASEPAIR  28  FREE_ENERGY
   -28.90 LEN_BP_RATIO  2.57142857142857
ACCUGAGGUAGAAGCCCAGGGGAGUGGAGUCUGGAAGGGUCUCCCCGAGCUCAUCCUCCUCGCUC
UCUUCUCUGCUCUCCU
>random_seq_from_cds__NO_4939 RANDOM_LENGTH 95  SEQ_LENGTH    86
   GC_CONTENT    0.686046511627907    BASEPAIR  29  FREE_ENERGY
   -29.30 LEN_BP_RATIO  2.96551724137931
GGCCUGGCUCAGCUCCCGCAGCAGACUCACCCAUGGCAGGCUCUGACCCCAACAUGACCUCUGGG
GAGGCUUGGUCACCCCCUGGGGCCACAUCA
>random_seq_from_cds__NO_4950 RANDOM_LENGTH 71  SEQ_LENGTH    53
   GC_CONTENT    0.490566037735849    BASEPAIR  19  FREE_ENERGY
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    -18.60 LEN_BP_RATIO  2.78947368421053
CCCUAGAGACCUCCGUCGCUGUUGAGUCUCUUUUUCAAGAGUUCUCAAUGUCUCUUGGUCCUGUU
CUUCUA
>random_seq_from_cds__NO_4957 RANDOM_LENGTH 82  SEQ_LENGTH    72
    GC_CONTENT    0.513888888888889    BASEPAIR  23  FREE_ENERGY
    -27.80 LEN_BP_RATIO  3.1304347826087
UCUCCCUUUCUAGUGUCUCAUGGCUCUGGUUUUCCAGAGUCUUCAGUGACUCUUGAAUCUCCUCU
CCCAGAGACUUCAGGGU
>random_seq_from_cds__NO_4961 RANDOM_LENGTH 83  SEQ_LENGTH    77
    GC_CONTENT    0.701298701298701    BASEPAIR  26  FREE_ENERGY
    -36.60 LEN_BP_RATIO  2.96153846153846
GGGACUGGCCUGUACUGGCCUCUUGCCGCUGGCCCCCAGGCUCCUCUGGUCCAGGCAGGACGCUG
GCAGGAAUGGCCACCCUG
>random_seq_from_cds__NO_4963 RANDOM_LENGTH 71  SEQ_LENGTH    53
    GC_CONTENT    0.622641509433962    BASEPAIR  19  FREE_ENERGY
    -17.20 LEN_BP_RATIO  2.78947368421053
CUGAGGUGUGGGGGGGAUGGGGGUGCUGGCCAAGGUAGGGGUACGGGCCUGGAGGAAUUCUUGGU
UCUUAA
>random_seq_from_cds__NO_4970 RANDOM_LENGTH 89  SEQ_LENGTH    80
    GC_CONTENT    0.725  BASEPAIR  24  FREE_ENERGY   -32.69
    LEN_BP_RATIO  3.33333333333333
CUGGCCCAGCGACGUCUCCAUGUGUGCCACGCGCUCCUGGUAGCCGCGCACUGCCCCGCGCCACG
CCUCGCCCAGUCGCCUUGCCAGCU
>random_seq_from_cds__NO_4974 RANDOM_LENGTH 75  SEQ_LENGTH    64
    GC_CONTENT    0.78125    BASEPAIR  23  FREE_ENERGY   -27.00
    LEN_BP_RATIO  2.78260869565217
CCAGGUUGUCGCGCGCCACCUCGGCCGCGUGCUUCUCCCGCCAGCGUUGGUCAACGAGGGCCCGC
AGGGCCGCCA
>random_seq_from_cds__NO_4997 RANDOM_LENGTH 81  SEQ_LENGTH    69
    GC_CONTENT    0.492753623188406    BASEPAIR  23  FREE_ENERGY
    -18.20 LEN_BP_RATIO  3
UGUGUUUCCCAAGGCCUCCCAUCUGAAUGAGACAUUGUCAUCUGCAUCCUCCACAGAGCAAGUCA
GAUGGAGCUCACAGGU
>random_seq_from_cds__NO_4999 RANDOM_LENGTH 82  SEQ_LENGTH    65
    GC_CONTENT    0.523076923076923    BASEPAIR  24  FREE_ENERGY
    -24.10 LEN_BP_RATIO  2.70833333333333
GUGUAACUGGACAGCUUUGCAGAGGUCUUUGUGGAUAUCUGGGCUCUGUAAGAGCCUGUGUCUUC
CAUCUUCAGGUUGCUGA
>random_seq_from_cds__NO_5002 RANDOM_LENGTH 86  SEQ_LENGTH    74
    GC_CONTENT    0.5 BASEPAIR  27  FREE_ENERGY   -26.40 LEN_BP_RATIO
    2.74074074074074
AACUCCAGGGGAAGAGUUACUGACUCCCCCAGAAUCCCGUUCACCAUCAAUGGGGUUAAGCUGCU
UUGUGAAACUACAUUCCCCUG
>random_seq_from_cds__NO_5019 RANDOM_LENGTH 89  SEQ_LENGTH    76
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    GC_CONTENT    0.473684210526316    BASEPAIR  26  FREE_ENERGY
    -23.90 LEN_BP_RATIO  2.92307692307692
UCAUUGGGAGAAGCUGUCUUUGCUCGGUGCUUAUCAUCUCUGAAGGAUGAGAGAAUUCAAGCUAG
CAAAAAGCUGAAGGGUCCCCAGAA
>random_seq_from_cds__NO_5031 RANDOM_LENGTH 110 SEQ_LENGTH    103
    GC_CONTENT    0.621359223300971    BASEPAIR  36  FREE_ENERGY
    -41.20 LEN_BP_RATIO  2.86111111111111
CCCUUCAUCUCAGGGUCCAGAGGUGACUGGUGUGGAUCCUGCUCGCUGUGCCAAGAUGGCCCUCC
AGAUGCGGCAUACCAUCCCUCCCCCUGAUGCGGGUGUAGAUGAGG
>random_seq_from_cds__NO_5034 RANDOM_LENGTH 69  SEQ_LENGTH    52
    GC_CONTENT    0.615384615384615    BASEPAIR  19  FREE_ENERGY
    -15.50 LEN_BP_RATIO  2.73684210526316
GCACCAGGGCCUGGUACUCCCGUUCCUUCCCCGCCAGGAUUUCGCGCAGCCCGAUCAGUCUCUGC
CCUC
>random_seq_from_cds__NO_5039 RANDOM_LENGTH 69  SEQ_LENGTH    58
    GC_CONTENT    0.706896551724138    BASEPAIR  21  FREE_ENERGY
    -28.90 LEN_BP_RATIO  2.76190476190476
CUGGGCGAGCUGCCGGCGGUUGGGAGUGUGGAUGUGUGCCCCGAGGCAGCGCAGCAGCUCUUCCA
CAUG
>random_seq_from_cds__NO_5046 RANDOM_LENGTH 110 SEQ_LENGTH    100
    GC_CONTENT    0.53   BASEPAIR  32  FREE_ENERGY   -30.50
    LEN_BP_RATIO  3.125
CCAUCUCAAUGACAGUGCAGCCCAGUGACCAGAUGUCAGCUGCUUUCCCAUACCCGCGUGGGCCC
UGGUCAAUGAUUUCUGGGGCCAUAUACUGCAGAGUUCCCUGUGAA
>random_seq_from_cds__NO_5078 RANDOM_LENGTH 72  SEQ_LENGTH    66
    GC_CONTENT    0.636363636363636    BASEPAIR  21  FREE_ENERGY
    -27.59 LEN_BP_RATIO  3.14285714285714
ACUUCUCCGGCGGUGGUGUCUGUGGAUGGGCGGCCCGUGAGACUCCAACUCUGUGACACUGCCGG
ACAGGGA
>random_seq_from_cds__NO_5101 RANDOM_LENGTH 71  SEQ_LENGTH    63
    GC_CONTENT    0.571428571428571    BASEPAIR  21  FREE_ENERGY
    -18.30 LEN_BP_RATIO  3
CCCUUCCUCGUCGUGGUACCCAACCUGUGGGUUCUCUAGAACUAAAGUCUGCCUGCCAGGUGACU
GCUGGA
>random_seq_from_cds__NO_5103 RANDOM_LENGTH 92  SEQ_LENGTH    78
    GC_CONTENT    0.551282051282051    BASEPAIR  28  FREE_ENERGY
    -30.20 LEN_BP_RATIO  2.78571428571429
CUUGAGUCAUGUCCUGGUGAGACGGUUGUGGCAGAAGAUCCCGCCGGGCUGAAGGGUCCCUUUGC
UACUACACCAGAAGCAGGCAUUGGCUU
>random_seq_from_cds__NO_5111 RANDOM_LENGTH 95  SEQ_LENGTH    91
    GC_CONTENT    0.450549450549451    BASEPAIR  27  FREE_ENERGY
    -21.73 LEN_BP_RATIO  3.37037037037037
AGUCAGGUUGACAAUGGCUCAAAGAAAGGAGGAGAACGGUUAAGUAUUUUAACCAAGAGCCUUUU
GCUGAGGAGAACAAAAGACCAGCUGGACUC
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>random_seq_from_cds__NO_5117 RANDOM_LENGTH 87  SEQ_LENGTH    79
   GC_CONTENT    0.468354430379747   BASEPAIR  27  FREE_ENERGY
   -17.90 LEN_BP_RATIO  2.92592592592593
UUUCCCUUAACGGCACCUUCUUCAAGAUGGAGCUUUUUGAAGGCAUGCGAGAGAGCACCAAGGAU
UUCAUCUCUGUUGGCAGAAUUG
>random_seq_from_cds__NO_5128 RANDOM_LENGTH 75  SEQ_LENGTH    52
   GC_CONTENT    0.480769230769231   BASEPAIR  19  FREE_ENERGY
   -18.80 LEN_BP_RATIO  2.73684210526316
GAUGAAAAUGAGGCACAAGCUGGCUGGAUUGAGGGGGCAGCCAUCCUUUUCUCAGUGAUCAUCGU
GGUGUUAGUG
>random_seq_from_cds__NO_5129 RANDOM_LENGTH 67  SEQ_LENGTH    58
   GC_CONTENT    0.517241379310345   BASEPAIR  21  FREE_ENERGY
   -15.80 LEN_BP_RATIO  2.76190476190476
ACUGCCUUUAAUGAUUGGAGCAAAGAGAAGCAAUUCCGGGGGCUGCAGUGCCGCAUUGAACAGGA
GC
>random_seq_from_cds__NO_5137 RANDOM_LENGTH 75  SEQ_LENGTH    57
   GC_CONTENT    0.526315789473684   BASEPAIR  20  FREE_ENERGY
   -22.76 LEN_BP_RATIO  2.85
GUACUCCCAUCUACAUCCAGUACUUUGUCAAGUUCUUCAUCAUCGGCAUCACUGUACUGGUGGUG
GCUGUGCCAG
>random_seq_from_cds__NO_5149 RANDOM_LENGTH 110 SEQ_LENGTH    85
   GC_CONTENT    0.576470588235294   BASEPAIR  26  FREE_ENERGY
   -30.30 LEN_BP_RATIO  3.26923076923077
AACGAGAAAGGCGAGGGUAGAGCAAGAAAAGCUGGACAAGAUCUGGCCUAAGCUUCGGGUCCUGG
CGCGAUCUUCUCCCACUGACAAGCACACCCUGGUGAAAGGGCAUA
>random_seq_from_cds__NO_5151 RANDOM_LENGTH 82  SEQ_LENGTH    57
   GC_CONTENT    0.508771929824561   BASEPAIR  19  FREE_ENERGY
   -18.30 LEN_BP_RATIO  3
GGAUGUUGGUUUUGCCAUGGGGCAUCGCAGGCACAGAUGUAGCAAAGGAGGCUUCAGACAUCAUC
CUAACAGAUGACAACUU
>random_seq_from_cds__NO_5152 RANDOM_LENGTH 73  SEQ_LENGTH    60
   GC_CONTENT    0.516666666666667   BASEPAIR  22  FREE_ENERGY
   -22.10 LEN_BP_RATIO  2.72727272727273
CACCAGCAUUGUGAAGGCAGUGAUGUGGGGACGAAAUGUCUAUGACAGCAUCUCCAAGUUCCUGC
AGUUCCAG
>random_seq_from_cds__NO_5156 RANDOM_LENGTH 82  SEQ_LENGTH    71
   GC_CONTENT    0.422535211267606   BASEPAIR  24  FREE_ENERGY
   -20.41 LEN_BP_RATIO  2.95833333333333
CAUUCUAUCAGCUCAUUGUCAUCUUUAUCCUUGUCUUUGCGGGGUGAGAAAUUCUUUGAUAUUGA
UAGUGGGAGGAAGGCAC
>random_seq_from_cds__NO_5164 RANDOM_LENGTH 89  SEQ_LENGTH    77
   GC_CONTENT    0.506493506493506   BASEPAIR  23  FREE_ENERGY
   -17.59 LEN_BP_RATIO  3.34782608695652
UAAGUUUGGGACUAGGGUGCUCCUGUUGGAUGGUGAGGUCACUCCAUAUGCCAAUACAAACAACA
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AUGCGGUGGAUUGCAACCAAGUGC
>random_seq_from_cds__NO_5182 RANDOM_LENGTH 82  SEQ_LENGTH    71
    GC_CONTENT    0.71830985915493 BASEPAIR  23  FREE_ENERGY
    -32.10 LEN_BP_RATIO  3.08695652173913
GGGACGGAGCGGGAGGCCGAGGCUGGGGGCAGGUCCCGGCGCACGCCCAUAAGCAGAAUCCCCAG
GGCCAGACUGACUCCCA
>random_seq_from_cds__NO_5209 RANDOM_LENGTH 110 SEQ_LENGTH    89
    GC_CONTENT    0.426966292134831   BASEPAIR  30  FREE_ENERGY
    -28.30 LEN_BP_RATIO  2.96666666666667
AACAUCUGAUGAUUCUGGGCUAGAGCUUGAUAAUAACAAUGCAGCAAUGGCAAUUGAUCCAGUAA
UGGAUGGUGCUAGUGAAAUUGAAUUAGUAUUCAGGCCUCAUCCCA
>random_seq_from_cds__NO_5210 RANDOM_LENGTH 89  SEQ_LENGTH    70
    GC_CONTENT    0.428571428571429   BASEPAIR  23  FREE_ENERGY
    -17.60 LEN_BP_RATIO  3.04347826086957
CACUUAUGGAAAAAGAUGACAGUGCACAGACGAGGAUACAUAAAGACUUCUGGUAACGCCACUGU
UGAUCACUUAUCCAAGUAUCUGGC
>random_seq_from_cds__NO_5225 RANDOM_LENGTH 78  SEQ_LENGTH    65
    GC_CONTENT    0.430769230769231   BASEPAIR  23  FREE_ENERGY
    -19.80 LEN_BP_RATIO  2.82608695652174
AAAGAGUCUUGACAUUGGAAUGGCUGAGGAUGUAGGAACAAAAUUCUGCAACUUGUUCUAUGAAA
UCAGGGUUCAGCU
>random_seq_from_cds__NO_5232 RANDOM_LENGTH 71  SEQ_LENGTH    49
    GC_CONTENT    0.551020408163265   BASEPAIR  20  FREE_ENERGY
    -20.24 LEN_BP_RATIO  2.45
GUGUUCUGGCUUCUUGGGAUGAGGCACACACCACAUCCAGAUUCCCUUGGUGUGAGACUUCACUG
UGGAGC
>random_seq_from_cds__NO_5244 RANDOM_LENGTH 65  SEQ_LENGTH    51
    GC_CONTENT    0.529411764705882   BASEPAIR  19  FREE_ENERGY
    -16.80 LEN_BP_RATIO  2.68421052631579
UCUGAAUCUCGUUACCUCCCAGCAGACCAGGAGUAUACUGUUGGCUGUUAGGAAUAUGUUGUGGC
>random_seq_from_cds__NO_5252 RANDOM_LENGTH 89  SEQ_LENGTH    66
    GC_CONTENT    0.454545454545455   BASEPAIR  21  FREE_ENERGY
    -17.40 LEN_BP_RATIO  3.14285714285714
AACAACCUACAGAAUAUCAUCUAUAACCCGGGUAAUCCCGUUUGUUGGCACCAUUCCUGAUCAGC
UGGAUCCUGGAACUUUGAUUGUGA
>random_seq_from_cds__NO_5270 RANDOM_LENGTH 99  SEQ_LENGTH    89
    GC_CONTENT    0.50561797752809 BASEPAIR  26  FREE_ENERGY
    -27.03 LEN_BP_RATIO  3.42307692307692
CCGCAUGCCCUAUAUCUCAGACAAGCACCCUCGACAAACCUUGGAAGUGAUUAACCUUCUGAGAA
AGCACCGGGAGCUAUGUGAUGUGGUGCUAGUUGU
>random_seq_from_cds__NO_5276 RANDOM_LENGTH 80  SEQ_LENGTH    73
    GC_CONTENT    0.493150684931507   BASEPAIR  24  FREE_ENERGY
    -22.70 LEN_BP_RATIO  3.04166666666667
GUGUUCAAUGCAGUGAUGGCCUGGGUCAAAUACAGUAUUCAGGAAAGACGUCCUCAAUUACCCCA
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GGGUGCUGCAGCAUG
>random_seq_from_cds__NO_5280 RANDOM_LENGTH 82  SEQ_LENGTH    70
    GC_CONTENT    0.485714285714286    BASEPAIR  27  FREE_ENERGY
    -25.80 LEN_BP_RATIO  2.59259259259259
CAGACCAAUGAAUGGAGAAUGGUGGCUUCAAUGAGCAAAAGGAGAUGCGGAGUUGGGGUCAGUGU
UCUUGAUGAUCUGUUAU
>random_seq_from_cds__NO_5281 RANDOM_LENGTH 110 SEQ_LENGTH    94
    GC_CONTENT    0.5 BASEPAIR  30  FREE_ENERGY   -31.10 LEN_BP_RATIO
    3.13333333333333
AUGCAGUAGGAGGCCAUGAUGGAUCCUCUUAUCUCAAUAGUGUUGAAAGGGUAUGACCCCAAAAC
AAACCAGUGGAGCAGUGAUGUGGCCCCUACAAGCACCUGCAGGAC
>random_seq_from_cds__NO_5294 RANDOM_LENGTH 80  SEQ_LENGTH    65
    GC_CONTENT    0.538461538461538    BASEPAIR  24  FREE_ENERGY
    -24.80 LEN_BP_RATIO  2.70833333333333
GAUGGCCAUGGCAGUCAGUGGCAGCAGAAAGAGGCAGCAGAAGGUGAAGAGGUUAUAGGUGGUCU
CUUGCCAUUGAGCCU
>random_seq_from_cds__NO_5296 RANDOM_LENGTH 72  SEQ_LENGTH    60
    GC_CONTENT    0.6 BASEPAIR  20  FREE_ENERGY   -20.40 LEN_BP_RATIO
    3
UGCCCCCAGAAGUUUCCUUACACCUGAACGGGAUCCAAGCGGGUUGAGUACUGCUGCCUGGCGGU
CCAAUCC
>random_seq_from_cds__NO_5301 RANDOM_LENGTH 84  SEQ_LENGTH    65
    GC_CONTENT    0.523076923076923    BASEPAIR  25  FREE_ENERGY
    -27.50 LEN_BP_RATIO  2.6
UGCAGCUGUUCUACUUUCCUUUUCUCUUGGAGCCCUGGCCGAUCGGGCAUUGAUGAGAACAAGGG
CUGUGUAGAGGGCAAUCUC
>random_seq_from_cds__NO_5307 RANDOM_LENGTH 64  SEQ_LENGTH    58
    GC_CONTENT    0.689655172413793    BASEPAIR  23  FREE_ENERGY
    -27.60 LEN_BP_RATIO  2.52173913043478
GGUGUGCUGCGGAAACUGGGGCUGCCGUAGCUGUCUGGGCCCUGUCCCAGUUCCCCAAGCCCAG
>random_seq_from_cds__NO_5309 RANDOM_LENGTH 85  SEQ_LENGTH    66
    GC_CONTENT    0.636363636363636    BASEPAIR  26  FREE_ENERGY
    -26.60 LEN_BP_RATIO  2.53846153846154
CUCUCUCUGCCCUCAGCCUUGCCCCGCUCAGGGCUGUAUUCAAGGUGGCAUGAGGCCCCAUUGAG
CCCUGCCUUGGCCAAGUUGU
>random_seq_from_cds__NO_5311 RANDOM_LENGTH 82  SEQ_LENGTH    74
    GC_CONTENT    0.662162162162162    BASEPAIR  28  FREE_ENERGY
    -40.20 LEN_BP_RATIO  2.64285714285714
GGCAGCUGCCCGUCUGGGAGCCCCAAGGUGUAGGUGAGGGUAUCUGCUCCUUGGGCCCCUGCUGG
AGGGGUCUUGACCACUG
>random_seq_from_cds__NO_5316 RANDOM_LENGTH 90  SEQ_LENGTH    81
    GC_CONTENT    0.62962962962963 BASEPAIR  25  FREE_ENERGY
    -30.42 LEN_BP_RATIO  3.24
UGCAGGUGUGGGUCUUCUUUGCAGCCAGCAGCUCCCCGUGAGGCUCGGUGCUGUCUCUGUGGGGC
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CCUGUCCAUUCUAUUUCCAGCGCCC
>random_seq_from_cds__NO_5322 RANDOM_LENGTH 94  SEQ_LENGTH    77
   GC_CONTENT    0.519480519480519    BASEPAIR  25  FREE_ENERGY
   -16.31 LEN_BP_RATIO  3.08
CUCUGCCCGACGUCUCUCCGAUCCUGUCUUUGAGAGAAACGAGCUCCUCCUCCUCUUUCUUCCUG
UUCUCAAAGUGAGCCUCGAUCAGCGCCUG
>random_seq_from_cds__NO_5332 RANDOM_LENGTH 80  SEQ_LENGTH    65
   GC_CONTENT    0.615384615384615    BASEPAIR  21  FREE_ENERGY
   -23.90 LEN_BP_RATIO  3.0952380952381
ACCUCGAUCAUCUUCUGGUACAUGUCCUUCCGCAGGCUGGGCUUCUUCCGGGCCUUCGUGAGCUC
CUCCUCCAGGUAGGU
>random_seq_from_cds__NO_5334 RANDOM_LENGTH 71  SEQ_LENGTH    58
   GC_CONTENT    0.603448275862069    BASEPAIR  24  FREE_ENERGY
   -21.20 LEN_BP_RATIO  2.41666666666667
UCUGGUUGUAGCGCUCCCCGUCCUUCACCACAUCCCCAUGGUAGGCAGGUACGAAGGGCCUCAGC
ACAUCC
>random_seq_from_cds__NO_5335 RANDOM_LENGTH 64  SEQ_LENGTH    53
   GC_CONTENT    0.622641509433962    BASEPAIR  20  FREE_ENERGY
   -20.80 LEN_BP_RATIO  2.65
ACCAUCAGCCGGUCCAGGCAGCGCUGCUCUGACUCACAGUGCUUCUUCAGGAUCCUGCCAUUGG
>random_seq_from_cds__NO_5339 RANDOM_LENGTH 81  SEQ_LENGTH    73
   GC_CONTENT    0.684931506849315    BASEPAIR  29  FREE_ENERGY
   -45.20 LEN_BP_RATIO  2.51724137931034
CCCGUGGAGGAGGCCGAGGAAGAGGACAGUUUCCUCAGGGGCAGGUUGCCCCGAGGGCUUCCCUG
CGUCUCCUCCAAGGCC
>random_seq_from_cds__NO_5346 RANDOM_LENGTH 71  SEQ_LENGTH    60
   GC_CONTENT    0.633333333333333    BASEPAIR  20  FREE_ENERGY
   -23.20 LEN_BP_RATIO  3
CACAGUCGUCUCCUCUGGCCUUUUGCCCACUUCAGGCUCCCCAGAGCCCGGCAUGCCACAGGGCA
GAUAUC
>random_seq_from_cds__NO_5348 RANDOM_LENGTH 86  SEQ_LENGTH    65
   GC_CONTENT    0.707692307692308    BASEPAIR  27  FREE_ENERGY
   -36.80 LEN_BP_RATIO  2.40740740740741
CUGCCUCUCCACCAGGGCCUCUGGGGGCUGCAGGUCCUCAAGCUCACGGGCUCUCCCAGACGGCU
CAGUGAGGGCAAGAUCCUGUG
>random_seq_from_cds__NO_5360 RANDOM_LENGTH 82  SEQ_LENGTH    64
   GC_CONTENT    0.734375  BASEPAIR  25  FREE_ENERGY   -31.40
   LEN_BP_RATIO  2.56
GCAGUACACAGCCAUCAUGCAGCGCGCUGGCUCCAGCGGUGGCCGCGGGGAAUGUGACAUCAGCG
GCGCCGGGCGCUUGGGG
>random_seq_from_cds__NO_5361 RANDOM_LENGTH 110 SEQ_LENGTH    78
   GC_CONTENT    0.756410256410256    BASEPAIR  31  FREE_ENERGY
   -48.10 LEN_BP_RATIO  2.51612903225806
CUGGAGGAGGCAGCUCGCCUCAGCUGCGCUGUGCACACCUCGCCCGGGGGAGGACGCAGACCCGG
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GCAGGCGGCAGGGAUGUCGGCGAAGGAGAGGCCAAAGGGCAAAGU
>random_seq_from_cds__NO_5381 RANDOM_LENGTH 84  SEQ_LENGTH    65
    GC_CONTENT    0.538461538461538    BASEPAIR  20  FREE_ENERGY
    -19.40 LEN_BP_RATIO  3.25
CUCCUGCACUGGCUCCAUCCGCUAUAAAACCUUGACAGACCAUGAGCCCAGUGGGAUAGUGAGGG
UUGAGGCUCACCCAGAGAA
>random_seq_from_cds__NO_5390 RANDOM_LENGTH 92  SEQ_LENGTH    83
    GC_CONTENT    0.481927710843373    BASEPAIR  27  FREE_ENERGY
    -18.20 LEN_BP_RATIO  3.07407407407407
CUGUGUCCACAGCGUUCAAGGCAAACAGUGAGUUUUUCCAGAUUCUCAGUCAGAAUGGAGCACCU
CAGGCAGAUGUGAGCAUGUACAGUCUU
>random_seq_from_cds__NO_5402 RANDOM_LENGTH 110 SEQ_LENGTH    97
    GC_CONTENT    0.65979381443299 BASEPAIR  33  FREE_ENERGY
    -42.10 LEN_BP_RATIO  2.93939393939394
UGGGGAGCAGCGGGUCGCAGGAGCAGCUUGUCAGCAUCGCCUCCUCCAGUGAGGCCAGUGGGCAC
CGUGUGGAGGAGACGAAGGCGGAGCAGGAUGACCUUGCAGCAGGU
>random_seq_from_cds__NO_5409 RANDOM_LENGTH 73  SEQ_LENGTH    61
    GC_CONTENT    0.639344262295082    BASEPAIR  19  FREE_ENERGY
    -17.94 LEN_BP_RATIO  3.21052631578947
CCAUGUCCCACCCCCAGAGACAGGCCAGGGAUGCUACCCUCUUCUGUGAGCCCUGGACCCUGAAC
AUGCAGCC
>random_seq_from_cds__NO_5415 RANDOM_LENGTH 81  SEQ_LENGTH    63
    GC_CONTENT    0.634920634920635    BASEPAIR  23  FREE_ENERGY
    -29.20 LEN_BP_RATIO  2.73913043478261
CAGCCCCCGGAACUGCACCGGAAGGCCUGCAUGGGCUGCCCUUGUCCGAGGGCUUGCAGCCUUAC
CCAGCUUUCCCUUUUC
>random_seq_from_cds__NO_5430 RANDOM_LENGTH 71  SEQ_LENGTH    63
    GC_CONTENT    0.714285714285714    BASEPAIR  21  FREE_ENERGY
    -32.80 LEN_BP_RATIO  3
CACCCAGUGAGCCUCCUGCUGCAGGUGCCCAAUGUGGGAGGCGGCUUGGAGGCCUGGCACAUCCG
GGGUUG
>random_seq_from_cds__NO_5437 RANDOM_LENGTH 79  SEQ_LENGTH    69
    GC_CONTENT    0.579710144927536    BASEPAIR  23  FREE_ENERGY
    -19.12 LEN_BP_RATIO  3
GCCCAGAACUUUGGUCUCCAGCAUCUCUCCAGCGGCCACUUCUUGCGGGAGAACAUCAAGGCCAG
CACCGGAAGUUGGU
>random_seq_from_cds__NO_5467 RANDOM_LENGTH 82  SEQ_LENGTH    53
    GC_CONTENT    0.547169811320755    BASEPAIR  19  FREE_ENERGY
    -16.30 LEN_BP_RATIO  2.78947368421053
CCGUCGCUAUAUCCGCAGACUCCGGGCUAUCCGGGAGCUCAAUAGGAACUGUAGAAGAUUUGAAA
AAUAAUGAAAGCCAAUG
>random_seq_from_cds__NO_5469 RANDOM_LENGTH 102 SEQ_LENGTH    82
    GC_CONTENT    0.573170731707317    BASEPAIR  27  FREE_ENERGY
    -24.20 LEN_BP_RATIO  3.03703703703704
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CUGUGCUGAUGCUGGCCUACUUGACGAGAGCUUCCUGAGAAGAUGUCUGAAUUUUUAUGGCCUUC
UCAUUCAGCUGCUGCUCCGCAUCCUGGACCCCGCAUA
>random_seq_from_cds__NO_5479 RANDOM_LENGTH 90  SEQ_LENGTH    71
   GC_CONTENT    0.492957746478873    BASEPAIR  24  FREE_ENERGY
   -17.60 LEN_BP_RATIO  2.95833333333333
AGCAACUUUGUGGCCCCAAGUGCCGUGACCUGAAAGUUGAAAACCCUGAGAAAUACGGCUUUGAA
CCAAAGAAGCUGUUGGACCAACUGA
>random_seq_from_cds__NO_5480 RANDOM_LENGTH 83  SEQ_LENGTH    77
   GC_CONTENT    0.480519480519481    BASEPAIR  24  FREE_ENERGY
   -20.10 LEN_BP_RATIO  3.20833333333333
CGGAUAUUUACUUACAGCUGGACUGUGCUCGGUUCGCGAAAGCCAUUGCUGACGACCAGGAGAUC
CUACAGUAAGGAAUUGUU
>random_seq_from_cds__NO_5488 RANDOM_LENGTH 72  SEQ_LENGTH    65
   GC_CONTENT    0.676923076923077    BASEPAIR  27  FREE_ENERGY
   -36.00 LEN_BP_RATIO  2.40740740740741
AGGCCUGGGGAUGGCCGAGGGAAUGGGCAGUUGACUGGAAGAUUUAGCAGCUGCUCCCUGCGGCC
GGGGCAG
>random_seq_from_cds__NO_5491 RANDOM_LENGTH 110 SEQ_LENGTH    81
   GC_CONTENT    0.666666666666667    BASEPAIR  31  FREE_ENERGY
   -43.27 LEN_BP_RATIO  2.61290322580645
GAGGGCCUCUUUCCAGAUGUAGCCCGGAGAGCCCUGACUGACCCCUUCCUAUCAUUACUCCGGAG
UCGAGGCGUCAGGCUGCUUGGGGAGGGGGUGCUCCGCGUCAAAGA
>random_seq_from_cds__NO_5498 RANDOM_LENGTH 84  SEQ_LENGTH    73
   GC_CONTENT    0.438356164383562    BASEPAIR  23  FREE_ENERGY
   -16.30 LEN_BP_RATIO  3.17391304347826
GUGCAUUUGCCCAGUAUAACAUGGAUCAGUUCACGCCUGUGAAGAUAGAAGGAUAUGAAGAUCAG
GGUCUUAAUUACAGAGCAC
>random_seq_from_cds__NO_5518 RANDOM_LENGTH 69  SEQ_LENGTH    61
   GC_CONTENT    0.557377049180328    BASEPAIR  20  FREE_ENERGY
   -18.51 LEN_BP_RATIO  3.05
GCUGAGCAUUUCCCUGGGACCAGGAGACAGAGAUGUGGCCUAUUCCUGCAUUGUCUCCAACCCUG
UCAG
>random_seq_from_cds__NO_5519 RANDOM_LENGTH 83  SEQ_LENGTH    62
   GC_CONTENT    0.645161290322581    BASEPAIR  20  FREE_ENERGY
   -26.40 LEN_BP_RATIO  3.1
CUGGGACUUGGCCACAGUCACGCCCUGGGAUAGCUGUCAUCAUGAGGCAGGCACCAGGGAAGGCC
UCCUACAAAGAUGUGCUG
>random_seq_from_cds__NO_5530 RANDOM_LENGTH 110 SEQ_LENGTH    79
   GC_CONTENT    0.417721518987342    BASEPAIR  26  FREE_ENERGY
   -19.00 LEN_BP_RATIO  3.03846153846154
UAUAUUCUUUAAGAACCAAUUCCCAGUCUAAGUCUGGAAUGGUCAAGUUUGCAAGAGUUCCCAAA
CAUUCAAUCACAAACUCCUCUUCUUCAUCAUUAGAGAUCUGGGCU
>random_seq_from_cds__NO_5535 RANDOM_LENGTH 85  SEQ_LENGTH    63
   GC_CONTENT    0.444444444444444    BASEPAIR  22  FREE_ENERGY
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   -17.40 LEN_BP_RATIO  2.86363636363636
GAAGCAGUCCAACUUGUACCAUCUUAUUCCUCAGUCCUGUGUCAAAGGAUAGGUUUAGUAAAAGU
CGGAGGGUGAUAUUCAGCAG
>random_seq_from_cds__NO_5549 RANDOM_LENGTH 87  SEQ_LENGTH    60
   GC_CONTENT    0.65   BASEPAIR  23  FREE_ENERGY   -28.00
   LEN_BP_RATIO  2.60869565217391
UUGCAUCUCAUGCUGUGCUCAGCGGGUUGGCCACGCGGCCCAGGAAGUGCAGGGCAGUGGCGCUU
UGAUCAUACACAGCAAACAGGA
>random_seq_from_cds__NO_5553 RANDOM_LENGTH 109 SEQ_LENGTH    96
   GC_CONTENT    0.59375   BASEPAIR  32  FREE_ENERGY   -32.70
   LEN_BP_RATIO  3
AGGUCAGAGGCAUAGUGAGGCUGGAUCAGCAGCAGGCAGGCGCUCUCAGUGAAGGGCACUUGAGU
CACCGAGAAGUUGUCCUGGAUGUCACUCCAGUGCUGGAAGGUGC
>random_seq_from_cds__NO_5556 RANDOM_LENGTH 93  SEQ_LENGTH    78
   GC_CONTENT    0.551282051282051   BASEPAIR  28  FREE_ENERGY
   -26.80 LEN_BP_RATIO  2.78571428571429
CCAGUCUUCCAUCCUGUCACAGCCUGCAUGAACCUGUCAAUCUUCUCAGCAGCAACAUCCAGUUC
UGUGAAGUCCAGAGAGCGUGGGAGGACC
>random_seq_from_cds__NO_5557 RANDOM_LENGTH 71  SEQ_LENGTH    65
   GC_CONTENT    0.646153846153846   BASEPAIR  22  FREE_ENERGY
   -27.10 LEN_BP_RATIO  2.95454545454545
ACAGGGGUAUAGAGAGCCAGGCCCUGCACAAACGGCUGCUUCAGGUGCAGGCCUGGGGCUGUGAA
CACGCC
>random_seq_from_cds__NO_5560 RANDOM_LENGTH 78  SEQ_LENGTH    66
   GC_CONTENT    0.651515151515151   BASEPAIR  21  FREE_ENERGY
   -24.10 LEN_BP_RATIO  3.14285714285714
GCCUGUCAGCUGUGUGGUCCAAGGCUCCCAGAUAGAGAGAGGCCAGGGUGCCAAAGACAGCCGUU
GGGGAGAGGACGG
>random_seq_from_cds__NO_5578 RANDOM_LENGTH 89  SEQ_LENGTH    79
   GC_CONTENT    0.594936708860759   BASEPAIR  27  FREE_ENERGY
   -26.20 LEN_BP_RATIO  2.92592592592593
GCUCCAGCUUCUGGUCAUGAUUCACCAGCUGUCCACCCUGCGGGACCAGCUCCUGACAGCCCACU
CGGAGCAGAAGAACAUGGCUGCCA
>random_seq_from_cds__NO_5588 RANDOM_LENGTH 77  SEQ_LENGTH    63
   GC_CONTENT    0.619047619047619   BASEPAIR  22  FREE_ENERGY
   -25.60 LEN_BP_RATIO  2.86363636363636
UUCCCCGAGUCCCGAAACAGCAGCCACAUCAAGAGGCCCAUGAACGCCUUCAUGGUGUGGGCCAA
GGAUGAGCGGAG
>random_seq_from_cds__NO_5603 RANDOM_LENGTH 68  SEQ_LENGTH    58
   GC_CONTENT    0.620689655172414   BASEPAIR  19  FREE_ENERGY
   -19.60 LEN_BP_RATIO  3.05263157894737
CACUGGCCACCUUCAGAAAUAUGUCCCGUGGUUCCCCGGGGCCCCACAUUCUGGGUCUCACAGAU
GAC
>random_seq_from_cds__NO_5607 RANDOM_LENGTH 87  SEQ_LENGTH    78
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    GC_CONTENT    0.641025641025641   BASEPAIR  29  FREE_ENERGY
    -29.31 LEN_BP_RATIO  2.68965517241379
CACUGCGCUGGACUUCCAAGGUGACACGGCGUCCAUGCCCUUCUCGUUGCUCAACCCAGGAGAGG
CCCUGCACCAUGGCCAGCUGCC
>random_seq_from_cds__NO_5612 RANDOM_LENGTH 99  SEQ_LENGTH    79
    GC_CONTENT    0.721518987341772   BASEPAIR  32  FREE_ENERGY
    -36.40 LEN_BP_RATIO  2.46875
CCUUCGUGCGUUCCCGGUAGGCGGCGAUGACCUGUAGGUCCCGCAAGUGCUGUGUGCGGACGCUC
UGCUGCGCCCAACACGCUCGUCCCGCGCCGGCCC
>random_seq_from_cds__NO_5624 RANDOM_LENGTH 68  SEQ_LENGTH    56
    GC_CONTENT    0.535714285714286   BASEPAIR  21  FREE_ENERGY
    -22.90 LEN_BP_RATIO  2.66666666666667
CGUCACAGGUUCUGUAGCGCUGACAGCCUCGGCUGGCUGUUUAUUGGCAUCCAGAAUCUCGGGAA
AGC
>random_seq_from_cds__NO_5625 RANDOM_LENGTH 87  SEQ_LENGTH    65
    GC_CONTENT    0.676923076923077   BASEPAIR  27  FREE_ENERGY
    -37.00 LEN_BP_RATIO  2.40740740740741
CGGAGGACUGCAGGAGCACCAUGGAGGCUCUCGAGGGCUGCCCUGCAGAGCCUCCUGGUCUGGGU
UCCCACAACAAUAGGGGCAUGC
>random_seq_from_cds__NO_5627 RANDOM_LENGTH 82  SEQ_LENGTH    76
    GC_CONTENT    0.684210526315789   BASEPAIR  28  FREE_ENERGY
    -31.40 LEN_BP_RATIO  2.71428571428571
CUCCUGCUGCCUGGGCCGGGGAGGCCUGAGAGCCAUGGGGUAGCUGUGAAGUAGGCCUGGCCAAG
CAGUGCUGAGUCGGGGA
>random_seq_from_cds__NO_5629 RANDOM_LENGTH 80  SEQ_LENGTH    69
    GC_CONTENT    0.710144927536232   BASEPAIR  28  FREE_ENERGY
    -39.10 LEN_BP_RATIO  2.46428571428571
GCGCUGGCGGGCCUCGAAGGGGACGUGGGUGGUUUCCUGGAAGGCCGCCGCUCCACUUUGGGGCC
ACUGACAGGCUCCGU
>random_seq_from_cds__NO_5634 RANDOM_LENGTH 90  SEQ_LENGTH    76
    GC_CONTENT    0.605263157894737   BASEPAIR  26  FREE_ENERGY
    -28.50 LEN_BP_RATIO  2.92307692307692
CGGAGCCUGGUCUUGGAAGAGGAGACCACUUUCCUGCUGAAGCUAGCUGAGCGCGUCAAGGCCAC
AUCCAUCUCAGGCACCAGUACAACG
>random_seq_from_cds__NO_5641 RANDOM_LENGTH 85  SEQ_LENGTH    78
    GC_CONTENT    0.551282051282051   BASEPAIR  24  FREE_ENERGY
    -21.50 LEN_BP_RATIO  3.25
CCUGGGAAGCAGAGAUAGGAGAGUCCGGCUGGUUGCUGAAGAUCCGAAGAAUUCCAAACCCACAG
GACAAUGUCUGGAGGCUCCC
>random_seq_from_cds__NO_5648 RANDOM_LENGTH 64  SEQ_LENGTH    51
    GC_CONTENT    0.666666666666667   BASEPAIR  20  FREE_ENERGY
    -20.70 LEN_BP_RATIO  2.55
UCCACGGGGACUGGGGCUGGCUCACGUAUCCGGCUCAUGGGGUGGGACUCCAUCAACGAGGUGG
>random_seq_from_cds__NO_5652 RANDOM_LENGTH 84  SEQ_LENGTH    77
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    GC_CONTENT    0.649350649350649   BASEPAIR  27  FREE_ENERGY
    -35.00 LEN_BP_RATIO  2.85185185185185
CACCAUUGCGGCCGACGAGAGCUUCACAGGUGCCGACCUUGGUGUGCGGCGUCUCAAGCUCAACA
CGGAGGUGCGCAGUGUGGG
>random_seq_from_cds__NO_5655 RANDOM_LENGTH 87  SEQ_LENGTH    79
    GC_CONTENT    0.708860759493671   BASEPAIR  27  FREE_ENERGY
    -27.90 LEN_BP_RATIO  2.92592592592593
GGAGGUGAGGGGCCAGUGCGUGCGGCACUCAGAGGAGCGGGACACACCCAAGAUGUACUGCAGCG
CGGAGGGCGAGUGGCUCGUGCC
>random_seq_from_cds__NO_5681 RANDOM_LENGTH 97  SEQ_LENGTH    64
    GC_CONTENT    0.546875  BASEPAIR  22  FREE_ENERGY   -18.90
    LEN_BP_RATIO  2.90909090909091
CCCGCCGGCACCUCUGAUCUACUUCUGCAUGUCACACUGCAGCAGCAACACAAUGGAUGGGUCAC
UCUUGGCUGCCUCCUUGAACUCCUCCAAUGUA
>random_seq_from_cds__NO_5688 RANDOM_LENGTH 94  SEQ_LENGTH    76
    GC_CONTENT    0.565789473684211   BASEPAIR  23  FREE_ENERGY
    -26.10 LEN_BP_RATIO  3.30434782608696
ACCGUGGGUAUGCAGACAGUCCUUCAAAAGGCAGGAGCAGCUCCAUAUGUGCAGGCAUUUGACUC
GCUGCUUGCUGGUCCUGUGGCAGAGUACU
>random_seq_from_cds__NO_5694 RANDOM_LENGTH 110 SEQ_LENGTH    100
    GC_CONTENT    0.65   BASEPAIR  30  FREE_ENERGY   -36.40
    LEN_BP_RATIO  3.33333333333333
CCUGGAGCAAAACGGGGGCCUGUGGCAAAAGAACUGAGCGGACUGCCAUCUGGACCCUCUGCCGG
AUCAUGUCCUCCUCCCCCUCCACCAUGCCCCCCUCCUCCCCCAGU
>random_seq_from_cds__NO_5700 RANDOM_LENGTH 75  SEQ_LENGTH    68
    GC_CONTENT    0.470588235294118   BASEPAIR  23  FREE_ENERGY
    -16.00 LEN_BP_RATIO  2.95652173913043
UUGGCCUGGUAUUCGAUGACGUGGUGGGCAUUGUGGAGAUAAUCAACAGUAAGGAUGUCAAAGUU
CAGGGUAAUG
>random_seq_from_cds__NO_5727 RANDOM_LENGTH 97  SEQ_LENGTH    75
    GC_CONTENT    0.56   BASEPAIR  29  FREE_ENERGY   -28.20
    LEN_BP_RATIO  2.58620689655172
UCUGCCCCUGCCAAAACAGACUGUGUGCAUCUCCUUUCAGAAGUUCAACGGUAUCCCCGGCCUGG
AGCUGUAAAGGGGGUCCUUCAUGCAGAGCUGG
>random_seq_from_cds__NO_5744 RANDOM_LENGTH 100 SEQ_LENGTH    91
    GC_CONTENT    0.450549450549451   BASEPAIR  34  FREE_ENERGY
    -26.20 LEN_BP_RATIO  2.67647058823529
UUCCACAAGGGUUUCACUCUAUUAAAUCAGGAAGGCCUUUGUAGAUGUCUUCAUCAUUAAUGCUU
UCUUCUGUUGGGAAGGGCCCUGAUUCCUGUGGCCA
>random_seq_from_cds__NO_5746 RANDOM_LENGTH 97  SEQ_LENGTH    53
    GC_CONTENT    0.509433962264151   BASEPAIR  21  FREE_ENERGY
    -26.50 LEN_BP_RATIO  2.52380952380952
AGUUCACUUUUCCUCAUUCCAAACGUCUCACAACAGGCCGUGAGAAAUGUCCUUAUGUUCUUCAA
ACAGAGAAACCUGGGACAUCUGCGGCCUCAGG
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>random_seq_from_cds__NO_5778 RANDOM_LENGTH 71  SEQ_LENGTH    60
    GC_CONTENT    0.65   BASEPAIR  22  FREE_ENERGY   -26.50
    LEN_BP_RATIO  2.72727272727273
UGGUCGGGGGUUCCAGAUAGAUUCGACCCCGCAUGGCCAGCUCUAUCAGGAUGCCCCCUCGCAGG
CCUGAU
>random_seq_from_cds__NO_5780 RANDOM_LENGTH 84  SEQ_LENGTH    63
    GC_CONTENT    0.46031746031746 BASEPAIR  20  FREE_ENERGY
    -20.29 LEN_BP_RATIO  3.15
CCAUAAGAGUAAGGCGGAUAUCCUUAGAGUCUCCAGAAUCUUCAUUGUCUGGACUUUUCUCCCAA
UUACUGUCUUCCUCACUUU
>random_seq_from_cds__NO_5793 RANDOM_LENGTH 79  SEQ_LENGTH    69
    GC_CONTENT    0.550724637681159   BASEPAIR  23  FREE_ENERGY
    -29.70 LEN_BP_RATIO  3
AAUUGGGAGCCAGGUCCUGAUUCCUCUUCAGCAAGGCCUCACUGAAGGAAGUUUCAUCAGGUGCU
GGCUUGACCCGGGG
>random_seq_from_cds__NO_5795 RANDOM_LENGTH 109 SEQ_LENGTH    93
    GC_CONTENT    0.548387096774194   BASEPAIR  32  FREE_ENERGY
    -36.30 LEN_BP_RATIO  2.90625
UCUGUCACCCCCUCAUAAUGAGCCUCUUUGAUCUCUUCCGGGGCUUUUUCGGCUUUCCUGGACCU
CGGAGGCCACAGAGAUCCCUUUUUUGGAGGGAUGACUCGAGAUG
>random_seq_from_cds__NO_5817 RANDOM_LENGTH 95  SEQ_LENGTH    74
    GC_CONTENT    0.540540540540541   BASEPAIR  26  FREE_ENERGY
    -31.40 LEN_BP_RATIO  2.84615384615385
AUUAUGAAACUGUCCUGUCCCUGGGAAUUCCCAUUCCCUAAGCCAGACAUGAUCACCCGUUUGGA
AGGGGAGGAGGAGUCUCAGAAUUCUGACGA
>random_seq_from_cds__NO_5824 RANDOM_LENGTH 81  SEQ_LENGTH    61
    GC_CONTENT    0.540983606557377   BASEPAIR  21  FREE_ENERGY
    -19.30 LEN_BP_RATIO  2.9047619047619
AAGGGUUCAAGGCAAGCUUGGGUUGGUGUCGAAGAAUGAUGAGAAGGUAUGACCUGUCUCUGAGG
CAUAAAGUGCCCGUGC
>random_seq_from_cds__NO_5826 RANDOM_LENGTH 63  SEQ_LENGTH    55
    GC_CONTENT    0.490909090909091   BASEPAIR  19  FREE_ENERGY
    -15.40 LEN_BP_RATIO  2.89473684210526
CGCAUGACUAUGAGGUAGCUCAGAUGGGGAAUGCAGAUGAGACGCCCAUUUGUUUAGAGGUGC
>random_seq_from_cds__NO_5830 RANDOM_LENGTH 77  SEQ_LENGTH    61
    GC_CONTENT    0.60655737704918 BASEPAIR  20  FREE_ENERGY
    -17.60 LEN_BP_RATIO  3.05
GACUGAAGACUUGAUGCAGGACUGGUUGGAAGUGGUGUGGAGACGGAGGACAGGAGCAGUGCCCA
AGCAGCGAGGGA
>random_seq_from_cds__NO_5847 RANDOM_LENGTH 71  SEQ_LENGTH    59
    GC_CONTENT    0.694915254237288   BASEPAIR  19  FREE_ENERGY
    -22.80 LEN_BP_RATIO  3.10526315789474
CCGGAGGUCUGCUUCUCGGGGACGUGGCUCCCAACUUUGAGGCCAAUACCACCGUCGGCCGCAUC
CGUUUC
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>random_seq_from_cds__NO_5848 RANDOM_LENGTH 67  SEQ_LENGTH    50
    GC_CONTENT    0.6 BASEPAIR  19  FREE_ENERGY   -18.29 LEN_BP_RATIO
    2.63157894736842
CACGACUUUCUGGGAGACUCGAUGGGGCAUUCUCUUCUCCCACCCUCGGGACUUUACCCCAGUGU
GC
>random_seq_from_cds__NO_5851 RANDOM_LENGTH 72  SEQ_LENGTH    49
    GC_CONTENT    0.489795918367347   BASEPAIR  19  FREE_ENERGY
    -17.40 LEN_BP_RATIO  2.57894736842105
AGCAGAGAAGGAUGAAAAGGGCAUGCCUGUGACAGCUCGUGUGGGUGUUUGUUUUUGGUCCUGAU
AAGAAGC
>random_seq_from_cds__NO_5865 RANDOM_LENGTH 88  SEQ_LENGTH    67
    GC_CONTENT    0.597014925373134   BASEPAIR  22  FREE_ENERGY
    -24.60 LEN_BP_RATIO  3.04545454545455
GACAGUUAAUGAAUGGGAGCUUCUCCAUGGACGGGACAGGACAAUCCUAUCAGGACUUGAGGGAU
GGGAGCCCCUAUGGAAUCCCCCA
>random_seq_from_cds__NO_5866 RANDOM_LENGTH 87  SEQ_LENGTH    65
    GC_CONTENT    0.553846153846154   BASEPAIR  23  FREE_ENERGY
    -19.90 LEN_BP_RATIO  2.82608695652174
GUCUCCAUCCUCCAUAUCGUCCCUGCCAUCCCACGCUCCUUUGCUCAAUGGGCUGGAUUACACGG
UGGACAGUAAUUUGGGCAUCAU
>random_seq_from_cds__NO_5871 RANDOM_LENGTH 87  SEQ_LENGTH    79
    GC_CONTENT    0.455696202531646   BASEPAIR  22  FREE_ENERGY
    -17.04 LEN_BP_RATIO  3.59090909090909
UAUAUCAUUAGCUUUAAAAGAGAUGAGCACCUUCAAGACAAUGCUGCCUGCCCGGUCCCUUCACU
GCCUGACUCUUGGUGUUGAUAG
>random_seq_from_cds__NO_5873 RANDOM_LENGTH 88  SEQ_LENGTH    69
    GC_CONTENT    0.550724637681159   BASEPAIR  21  FREE_ENERGY
    -17.20 LEN_BP_RATIO  3.28571428571429
AUCUUCUUCGUCCACGAACUUGUUCUCGUCAUAUUCAUCCACGUCCACCUUCCGGAAGCGGGCCG
ACGACACUGUGUUCUUCGACAUA
>random_seq_from_cds__NO_5874 RANDOM_LENGTH 75  SEQ_LENGTH    66
    GC_CONTENT    0.636363636363636   BASEPAIR  23  FREE_ENERGY
    -21.70 LEN_BP_RATIO  2.8695652173913
UCAGUGGGUCGGAGAGGCAUCCUCCAAGCCCAGCAGCUCUCUGACGAGUCUCUCUCCAAACUGCG
CCCGGCUGUA
>random_seq_from_cds__NO_5879 RANDOM_LENGTH 81  SEQ_LENGTH    67
    GC_CONTENT    0.626865671641791   BASEPAIR  23  FREE_ENERGY
    -22.60 LEN_BP_RATIO  2.91304347826087
CAUGGACAGUGGGAGGCCGGUGCAGUCACUCUUCCGCGCGCGGAGCAAGCCGCAGCAGUAAAUCC
CCUUGCUUCUCAAACU
>random_seq_from_cds__NO_5889 RANDOM_LENGTH 68  SEQ_LENGTH    51
    GC_CONTENT    0.745098039215686   BASEPAIR  19  FREE_ENERGY
    -25.20 LEN_BP_RATIO  2.68421052631579
AUGGAUUAUAGGGCGGCCGAGGCGUCGACUCCAUCCACAGCUGUCGCUGCCUCUGGCCCAAGGAG
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CUC
>random_seq_from_cds__NO_5926 RANDOM_LENGTH 82  SEQ_LENGTH    68
    GC_CONTENT    0.441176470588235   BASEPAIR  23  FREE_ENERGY
    -15.30 LEN_BP_RATIO  2.95652173913043
AGAUAUCACAGAAACCACUGGUAGAGAGAACACUAAUGAAGCCUCCUCUGAAGGGAACUCUUCUG
AUGAUUCUGAAGAUGAG
>random_seq_from_cds__NO_5940 RANDOM_LENGTH 77  SEQ_LENGTH    60
    GC_CONTENT    0.433333333333333   BASEPAIR  20  FREE_ENERGY
    -15.60 LEN_BP_RATIO  3
CUGUGAUGCAUCCAUCUGGUGAUAGUGACACAACGAUGUUAGAAUCUGAAUGUCAAGCUCCUGUA
CAGAAGGGAUAU
>random_seq_from_cds__NO_5948 RANDOM_LENGTH 67  SEQ_LENGTH    57
    GC_CONTENT    0.87719298245614 BASEPAIR  25  FREE_ENERGY
    -42.00 LEN_BP_RATIO  2.28
GCCGCUGCCGCCGCCGUCCGGGUCUGCGCCCGCCACGCCGAGGCCCAGGCGGCCGCGCGGCAGGG
AA
>random_seq_from_cds__NO_5949 RANDOM_LENGTH 100 SEQ_LENGTH    91
    GC_CONTENT    0.538461538461538   BASEPAIR  26  FREE_ENERGY
    -26.60 LEN_BP_RATIO  3.5
CUGGCGCUGAAGACCCUGGGGACAGAUGGCCUUUUUCUCUUUUCCUCCUUGGACACUGACGGGGA
UAUGUACAUCAGCCCUGAGGAGUUCAAACCCAUUG
>random_seq_from_cds__NO_5950 RANDOM_LENGTH 84  SEQ_LENGTH    71
    GC_CONTENT    0.549295774647887   BASEPAIR  27  FREE_ENERGY
    -25.20 LEN_BP_RATIO  2.62962962962963
CUGAGAAGCUAACAGGGGUCUUGUUCUGUCACCCAGACUGGAGUGCAGUGGUGCAGUCACAGCUC
ACUGCAGCCUCAACUUCCC
>random_seq_from_cds__NO_5978 RANDOM_LENGTH 84  SEQ_LENGTH    62
    GC_CONTENT    0.451612903225806   BASEPAIR  21  FREE_ENERGY
    -16.30 LEN_BP_RATIO  2.95238095238095
CACUCUUUGUAACUUGGAAACUCAGGAGCCUUUGGAAAGUACUGCUGCAGUUUGCUCCAAGCCUC
UUUAGAAACAAGCCUUCUU
>random_seq_from_cds__NO_5992 RANDOM_LENGTH 73  SEQ_LENGTH    68
    GC_CONTENT    0.441176470588235   BASEPAIR  26  FREE_ENERGY
    -24.60 LEN_BP_RATIO  2.61538461538462
AGCUGCAAGUUCAGAGUGCAAGGAAGGCUAAGAAGUCGAAUCUUUCUUGUUGCAUUCUGUUUGCU
UUGACAGU
>random_seq_from_cds__NO_6016 RANDOM_LENGTH 106 SEQ_LENGTH    70
    GC_CONTENT    0.557142857142857   BASEPAIR  22  FREE_ENERGY
    -26.14 LEN_BP_RATIO  3.18181818181818
AUUUUGUAUUUUUCAUCAAUAAAGAACUUGAGUUUGCCAAUCAUAGGGCGGUAUAUUCUGUGGAG
AUCCUUCAGGGCUGCCCCCCAGUGUGAGCUCUGAGGCUUCC
>random_seq_from_cds__NO_6028 RANDOM_LENGTH 81  SEQ_LENGTH    50
    GC_CONTENT    0.62   BASEPAIR  19  FREE_ENERGY   -21.40
    LEN_BP_RATIO  2.63157894736842
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UCCACUGCAGCCCUUCUACCGCUGGAGGACGUGGGUCCCUCCUGGGGGUUGUUAUGAUCCCUGCU
CUCCAUGAUGUCGUCG
>random_seq_from_cds__NO_6031 RANDOM_LENGTH 93  SEQ_LENGTH    86
    GC_CONTENT    0.383720930232558    BASEPAIR  33  FREE_ENERGY
    -23.70 LEN_BP_RATIO  2.60606060606061
CUUCAAAUGAACAACAAGAGCUUUUCUGUCAGAAGUUGCAGCAGUGUUGUAUACUGUUUGAUUUC
AUGGACUCUGUUUCAGACUUGAAGAGCA
>random_seq_from_cds__NO_6042 RANDOM_LENGTH 96  SEQ_LENGTH    78
    GC_CONTENT    0.320512820512821    BASEPAIR  25  FREE_ENERGY
    -18.36 LEN_BP_RATIO  3.12
UUGUACUUCUGGAAUAACGAAUAUAUUCUUAGUUUGAUUGAGGAGAACAUUGAUAAAAUUCUGCC
AAUUAUGUUUGCCAGUUUGUACAAAAUUUCC
>random_seq_from_cds__NO_6050 RANDOM_LENGTH 110 SEQ_LENGTH    92
    GC_CONTENT    0.717391304347826    BASEPAIR  33  FREE_ENERGY
    -51.90 LEN_BP_RATIO  2.78787878787879
UGCCCAUGGGGGCCCUGCUUGCCUGGGUACCCAGGGGGCCCAGGAGGUCCUGGAGGACCCAUCAU
GCCCACCGCACCCAGGGCUUCCCGCUUGGCACUCACGGCGACCUC
>random_seq_from_cds__NO_6059 RANDOM_LENGTH 79  SEQ_LENGTH    54
    GC_CONTENT    0.722222222222222    BASEPAIR  19  FREE_ENERGY
    -25.60 LEN_BP_RATIO  2.84210526315789
UCCCAUCCUUGCCGUUGAUGCCUGGGGGGCCCCGUUGCUCCUUUCGGGCCUGUGAUCCCCUGGGG
UCCACGAAUACCUG
>random_seq_from_cds__NO_6062 RANDOM_LENGTH 70  SEQ_LENGTH    51
    GC_CONTENT    0.686274509803922    BASEPAIR  20  FREE_ENERGY
    -29.90 LEN_BP_RATIO  2.55
CCCCGGUGGUCCAGGGAUGCCUUGCUCUCCAGAGGCACCCACAUCUCCCUUGGGACCCCGGCUUC
CCCUG
>random_seq_from_cds__NO_6065 RANDOM_LENGTH 78  SEQ_LENGTH    72
    GC_CONTENT    0.666666666666667    BASEPAIR  24  FREE_ENERGY
    -36.90 LEN_BP_RATIO  3
UGGGGGCCCCGAUGGUCCAUCUGGUCCAGGGUCCCCCCUUGGGGCCUCGGAUUCCAAUCUCACCA
GGGAGGCCAACAG
>random_seq_from_cds__NO_6070 RANDOM_LENGTH 82  SEQ_LENGTH    63
    GC_CONTENT    0.666666666666667    BASEPAIR  21  FREE_ENERGY
    -28.50 LEN_BP_RATIO  3
UCCCGGUGGACCUCUCAAUCUGCGCCAGAGCGAGCACUACCACCUGGAGGAGAACAAGGAGGCUG
CGGGGGGAGGCCGUAGC
>random_seq_from_cds__NO_6076 RANDOM_LENGTH 84  SEQ_LENGTH    64
    GC_CONTENT    0.4375 BASEPAIR  20  FREE_ENERGY   -18.40
    LEN_BP_RATIO  3.2
AGAUUGUGAAACCUGGCUUCAACAUCAGCAUUCUGAAAAUAUUCAUCACCAUGAUGUCUGAGAGU
GUUCGGAUGAUGCUGGAAC
>random_seq_from_cds__NO_6078 RANDOM_LENGTH 88  SEQ_LENGTH    58
    GC_CONTENT    0.586206896551724    BASEPAIR  19  FREE_ENERGY
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    -20.60 LEN_BP_RATIO  3.05263157894737
AAGUGUGCCUUCAGCCACCAGGGCAGCAUCCAGUUGGACAGGUACCCUGGACUCAUACCUGAAAG
CAGUGUUCAACCUUAGCAAAAUC
>random_seq_from_cds__NO_6099 RANDOM_LENGTH 75  SEQ_LENGTH    59
    GC_CONTENT    0.559322033898305   BASEPAIR  23  FREE_ENERGY
    -32.10 LEN_BP_RATIO  2.56521739130435
GCCAGAGGCUGGAAUGUGGACAGUGAAGGACCUCAAGCAGUGGAAGGCACUCUGUUCGCAUUACU
GGCCUCAGUA
>random_seq_from_cds__NO_6108 RANDOM_LENGTH 70  SEQ_LENGTH    61
    GC_CONTENT    0.475409836065574   BASEPAIR  22  FREE_ENERGY
    -15.10 LEN_BP_RATIO  2.77272727272727
AAUGUUACAGUCACUCCUGGAGAGAGAGCAGUUUUAACAUGUCUCAUCAUCAGUGCGGUGGAUUA
CAAUC
>random_seq_from_cds__NO_6149 RANDOM_LENGTH 84  SEQ_LENGTH    67
    GC_CONTENT    0.432835820895522   BASEPAIR  22  FREE_ENERGY
    -16.90 LEN_BP_RATIO  3.04545454545455
GAGAAAAGGAAAUCAAAUAUGAAGUUGAUGUCUUGGGUGCCACCAGCUAUAGAAGGAGGAGAUGA
AACAUCUUACUUCAUUGUG
>random_seq_from_cds__NO_6155 RANDOM_LENGTH 86  SEQ_LENGTH    62
    GC_CONTENT    0.516129032258065   BASEPAIR  22  FREE_ENERGY
    -18.00 LEN_BP_RATIO  2.81818181818182
AUGGAACCACCUAGUCUGGAAGAUGCUGGAAAAAUGCUGAAUGAGACUGUGUUGGUGAGCAACCC
UGUACAGCUGGAGUGUAAGGC
>random_seq_from_cds__NO_6170 RANDOM_LENGTH 87  SEQ_LENGTH    78
    GC_CONTENT    0.423076923076923   BASEPAIR  26  FREE_ENERGY
    -18.40 LEN_BP_RATIO  3
UCAUGUAUCUGACACAGGCCGUUAUGUGUGUGUUGCUGUGAAUGUAGCAGGAAUGACUGACAAAA
AAUAUGACUUAAGUGUCCAUGG
>random_seq_from_cds__NO_6173 RANDOM_LENGTH 84  SEQ_LENGTH    56
    GC_CONTENT    0.482142857142857   BASEPAIR  22  FREE_ENERGY
    -18.90 LEN_BP_RATIO  2.54545454545455
CUACGGCUGAUGCAGACCACAAUGGAAGAUGCUGGCCAAUAUACUUGCGUUGUAAGGAAUGCAGC
UGGUGAAGAAAGAAAAAUC
>random_seq_from_cds__NO_6177 RANDOM_LENGTH 96  SEQ_LENGTH    77
    GC_CONTENT    0.532467532467532   BASEPAIR  27  FREE_ENERGY
    -22.40 LEN_BP_RATIO  2.85185185185185
UGGCUUCCAGUCCAGCUGGCCACAAGAGCAGGAGCUUCAGUCUUAAUGUAUUUGGUAUCUCCUAC
AAUUGCUGGUGUAGGUAGUGAUGGCAACCCU
>random_seq_from_cds__NO_6192 RANDOM_LENGTH 110 SEQ_LENGTH    82
    GC_CONTENT    0.48780487804878 BASEPAIR  29  FREE_ENERGY
    -26.20 LEN_BP_RATIO  2.82758620689655
UGGUGAACAAUUUCAUCUCUUUGACCUGUGAGGUCUCUGGUUUUCCACCUCCUGACCUCAGCUGG
CUCAAGAAUGAACAGCCCAUCAAACUGAACACAAAUACUCUCAUU
>random_seq_from_cds__NO_6209 RANDOM_LENGTH 80  SEQ_LENGTH    60
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    GC_CONTENT    0.65   BASEPAIR  22  FREE_ENERGY   -32.00
    LEN_BP_RATIO  2.72727272727273
UACUGAUGGAACCCCAGCUCCCAGUAUGGCCUGGCUUAGAGAUGGCCAGCCUCUGGGGCUUGAUG
CCCAUCUGACAGUCA
>random_seq_from_cds__NO_6215 RANDOM_LENGTH 66  SEQ_LENGTH    55
    GC_CONTENT    0.490909090909091   BASEPAIR  20  FREE_ENERGY
    -17.60 LEN_BP_RATIO  2.75
AACUGAUGAGCCCCGGGAUAUCACUGUGUUACGGAACAGACAAGUGACAUUGGAAUGCAAGUCAG
A
>random_seq_from_cds__NO_6218 RANDOM_LENGTH 82  SEQ_LENGTH    64
    GC_CONTENT    0.453125  BASEPAIR  19  FREE_ENERGY   -17.99
    LEN_BP_RATIO  3.36842105263158
CUACAAGAGAAUUUAUUCUCACUGUAAAUGGUUCCUCCAAACAUAAAGGGGGGCCCCCAGAGCCU
UGUAAUUCUUUUAAAUA
>random_seq_from_cds__NO_6230 RANDOM_LENGTH 67  SEQ_LENGTH    48
    GC_CONTENT    0.583333333333333   BASEPAIR  19  FREE_ENERGY
    -21.80 LEN_BP_RATIO  2.52631578947368
CAUGCAGUUCUUCCUAGUGGCGGCUUACAGAUCUCCAGAGCUGUCCGAGAGGAUGCUGGCACUUA
CA
>random_seq_from_cds__NO_6231 RANDOM_LENGTH 90  SEQ_LENGTH    70
    GC_CONTENT    0.585714285714286   BASEPAIR  24  FREE_ENERGY
    -28.44 LEN_BP_RATIO  2.91666666666667
UGUGUGUGGCCCAGAACCCGGCUGGUACAGCCUUGGGCAAAAUCAAGUUAAAUGUCCAAGGUUCC
UCCAGUCAUUAGCCCUCAUCUAAAG
>random_seq_from_cds__NO_6232 RANDOM_LENGTH 84  SEQ_LENGTH    75
    GC_CONTENT    0.493333333333333   BASEPAIR  28  FREE_ENERGY
    -18.10 LEN_BP_RATIO  2.67857142857143
GAAUAUGUUAUUGCUGUGGACAAGCCCAUCACGUUAUCCUGUGAAGCAGAUGGCCUCCCUCCGCC
UGACAUUACAUGGCAUAAA
>random_seq_from_cds__NO_6237 RANDOM_LENGTH 87  SEQ_LENGTH    74
    GC_CONTENT    0.527027027027027   BASEPAIR  25  FREE_ENERGY
    -26.30 LEN_BP_RATIO  2.96
AUGUUGUGGCUGGAGGAUUCUGGCUUCUAUACCUGUGUUGCUAACAAUGCUGCAGGUGAAGAUAC
ACACACUGUCAGCCUGACUGUG
>random_seq_from_cds__NO_6249 RANDOM_LENGTH 85  SEQ_LENGTH    62
    GC_CONTENT    0.580645161290323   BASEPAIR  24  FREE_ENERGY
    -25.10 LEN_BP_RATIO  2.58333333333333
AGCCUUGUCCAGGUGGAUGGUAGCUGGUCGGAAUGGAGUCUUUGGGAAGAAUGCACAAGGAGCUG
UGGACGCGGCAACCAAACCA
>random_seq_from_cds__NO_6262 RANDOM_LENGTH 90  SEQ_LENGTH    85
    GC_CONTENT    0.376470588235294   BASEPAIR  28  FREE_ENERGY
    -16.42 LEN_BP_RATIO  3.03571428571429
GGUUCAGCAAUGAGAAAGAUAGUUUCUAUUCUAAAUCCCAUUUAUUGGACAACAGCAAAGGAAAU
AGGAGAAGCAGUCAAUGGCUUUACC
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>random_seq_from_cds__NO_6277 RANDOM_LENGTH 84  SEQ_LENGTH    65
    GC_CONTENT    0.507692307692308    BASEPAIR  24  FREE_ENERGY
    -20.40 LEN_BP_RATIO  2.70833333333333
CUUCAAGUGUAUCUGUCCACCAGGACAACAUUUAUUAGGGGACGGGAAAUCUUGCGCUGGAUUGG
AGAGGCUGCCAAAUUAUGG
>random_seq_from_cds__NO_6283 RANDOM_LENGTH 67  SEQ_LENGTH    53
    GC_CONTENT    0.528301886792453    BASEPAIR  19  FREE_ENERGY
    -15.30 LEN_BP_RATIO  2.78947368421053
GGGGUUCUGCCUCAAGAACUGUCCACCCAAUGAUUUGGAAUGUGCCUUGAGCCCAUAUGCCUUGG
AA
>random_seq_from_cds__NO_6284 RANDOM_LENGTH 84  SEQ_LENGTH    72
    GC_CONTENT    0.5 BASEPAIR  22  FREE_ENERGY   -17.80 LEN_BP_RATIO
    3.27272727272727
UACAAACUCGUCUCCCUCCCAUUUGGAAUAGCCACCAAUCAAGAUUUAAUCCGGCUGGUUGCAUA
CACACAGGAUGGAGUGAUG
>random_seq_from_cds__NO_6285 RANDOM_LENGTH 88  SEQ_LENGTH    76
    GC_CONTENT    0.473684210526316    BASEPAIR  28  FREE_ENERGY
    -31.60 LEN_BP_RATIO  2.71428571428571
CAUCCCAGGACAACUUUCCUCAUGGUAGAUGAGGAACAGACUGUUCCUUUUGCCUUGAGGGAUGA
AAACCUGAAAGGAGUGGUGUAUA
>random_seq_from_cds__NO_6295 RANDOM_LENGTH 79  SEQ_LENGTH    67
    GC_CONTENT    0.626865671641791    BASEPAIR  24  FREE_ENERGY
    -28.70 LEN_BP_RATIO  2.79166666666667
CUGUGGGCUGCUCCAGGUCUGAGGUCUCAGGGGCUGGGCUCUUGGCUUCAUCCUUGGGACACACA
AGGGACUCCAGCAG
>random_seq_from_cds__NO_6301 RANDOM_LENGTH 74  SEQ_LENGTH    66
    GC_CONTENT    0.621212121212121    BASEPAIR  22  FREE_ENERGY
    -28.20 LEN_BP_RATIO  3
CCCCAUAGGAGGGAGGCCAGCUGUCCGGAGUGGCUUGAGGGGCAUAGGAGGAAGGCUGGACCUUA
GAGAUGGCC
>random_seq_from_cds__NO_6311 RANDOM_LENGTH 87  SEQ_LENGTH    75
    GC_CONTENT    0.64   BASEPAIR  28  FREE_ENERGY   -37.40
    LEN_BP_RATIO  2.67857142857143
GGGUAGCUGUGCUGCAGAGAGCUGAACCUGUCAGUCAUCUUGGUGGCUGACCGGCCUCCCGCACU
GACAGCGGUGACCCUGGCAUAG
>random_seq_from_cds__NO_6315 RANDOM_LENGTH 67  SEQ_LENGTH    59
    GC_CONTENT    0.711864406779661    BASEPAIR  22  FREE_ENERGY
    -25.90 LEN_BP_RATIO  2.68181818181818
CCGUCAGCUCCAGGCGGUCCUGGUGGCCGCUGCCACUGCUGCUGCUGCUGCUGCUGCUCCUGGGU
CC
>random_seq_from_cds__NO_6320 RANDOM_LENGTH 86  SEQ_LENGTH    81
    GC_CONTENT    0.679012345679012    BASEPAIR  27  FREE_ENERGY
    -32.42 LEN_BP_RATIO  3
CUGUCUUUGCCCAGAGCAUCCCGUGGAACCUGGAGCGGAUUACCCCUCCACGGUACCGGGCGGAU
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GAAUACCAGCCCCCCGGACGG
>random_seq_from_cds__NO_6322 RANDOM_LENGTH 83  SEQ_LENGTH    78
    GC_CONTENT    0.602564102564103    BASEPAIR  28  FREE_ENERGY
    -26.50 LEN_BP_RATIO  2.78571428571429
CAUGGUCACCGACUUCGAGAAUGUGCCCGAGGAGGACGGGACCCGCUUCCACAGACAGGGCCAGC
AAGUGUGACAGUCAUGGC
>random_seq_from_cds__NO_6356 RANDOM_LENGTH 84  SEQ_LENGTH    66
    GC_CONTENT    0.651515151515151    BASEPAIR  22  FREE_ENERGY
    -24.20 LEN_BP_RATIO  3
GCCCAUGCUGACAGCCUCACCCAGGAUGCUGCUCCCUUCUUCUUCCUCGAAGCCUCCAGGCCUGG
GCACAGAGACACCGCUGUC
>random_seq_from_cds__NO_6372 RANDOM_LENGTH 70  SEQ_LENGTH    62
    GC_CONTENT    0.645161290322581    BASEPAIR  21  FREE_ENERGY
    -25.50 LEN_BP_RATIO  2.95238095238095
AAGCCCUAGGAGGGGAAGGCUGGGAGAAGCUAUCAUUGGUGCCCUCCUCUGCCCGCCUGCAUUAU
GGCAC
>random_seq_from_cds__NO_6394 RANDOM_LENGTH 86  SEQ_LENGTH    67
    GC_CONTENT    0.388059701492537    BASEPAIR  26  FREE_ENERGY
    -16.90 LEN_BP_RATIO  2.57692307692308
UUCCCGGUUGAUCGUGGAUUAUUUGAGGGAUAAAGUAGCCAAUAUUUGGUGCAGCUUCAAUGUCU
UUCUGAAGAUUAAGGAUAUUU
>random_seq_from_cds__NO_6405 RANDOM_LENGTH 73  SEQ_LENGTH    60
    GC_CONTENT    0.616666666666667    BASEPAIR  19  FREE_ENERGY
    -24.20 LEN_BP_RATIO  3.15789473684211
GUGGGAAGGAGCACUCCCCCUCACAGUAAUAGGCCGAGUAGCCUUGGGGAGCGAUGACCCAGUCC
CAGCCAGC
>random_seq_from_cds__NO_6410 RANDOM_LENGTH 110 SEQ_LENGTH    92
    GC_CONTENT    0.608695652173913    BASEPAIR  27  FREE_ENERGY
    -30.34 LEN_BP_RATIO  3.40740740740741
GUGACAUCCAGCACCAGCCAGCCCUCGUCUCCAGCUCGGAGCGUCUGAAGAUCCAAAAAGAACAA
GUCAGACUCCCCUGUUGGACUGCUCCUGGACCACCUGGAACAUGC
>random_seq_from_cds__NO_6415 RANDOM_LENGTH 84  SEQ_LENGTH    76
    GC_CONTENT    0.789473684210526    BASEPAIR  27  FREE_ENERGY
    -40.70 LEN_BP_RATIO  2.81481481481481
CGAGCACCGCCAGGAUCUCGCGCUGCACGUCCCGGCGCUCGCGCGCGCCCAGACGUCGCUGGGGA
CAGCCGGGCGGGGGUCGCA
>random_seq_from_cds__NO_6437 RANDOM_LENGTH 97  SEQ_LENGTH    76
    GC_CONTENT    0.565789473684211    BASEPAIR  28  FREE_ENERGY
    -29.00 LEN_BP_RATIO  2.71428571428571
AUGUUGACUAUAUAUCCUGUUGAAACGUGGCUUCCUCCAGUCCUGAUCGACGGAACUCUGCGAGG
AUGGCUCUCAGGAAGCUCUGUUCCAGAACAGA
>random_seq_from_cds__NO_6444 RANDOM_LENGTH 77  SEQ_LENGTH    60
    GC_CONTENT    0.533333333333333    BASEPAIR  21  FREE_ENERGY
    -16.41 LEN_BP_RATIO  2.85714285714286
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UUUGGCCUGUUAGCUUCCUGCAAGAUUUGCACAUAGACUUGGUGGGGCUCCGUCAGCUUCAUGCC
AUUGACCUCAAU
>random_seq_from_cds__NO_6451 RANDOM_LENGTH 110 SEQ_LENGTH    91
    GC_CONTENT    0.516483516483517    BASEPAIR  29  FREE_ENERGY
    -29.60 LEN_BP_RATIO  3.13793103448276
CUUUUACUAUUACCUAGAAACCCGAAGCUGCUGCCUAAUCCGAUUCAUAGUCAAGACAGAACUCU
UUCUGCGGAUACGAUGGGGAGUAGAGGUCGCUUCAUUCUGGGCUU
>random_seq_from_cds__NO_6454 RANDOM_LENGTH 72  SEQ_LENGTH    62
    GC_CONTENT    0.483870967741936    BASEPAIR  23  FREE_ENERGY
    -20.00 LEN_BP_RATIO  2.69565217391304
UGAAGCCUUCUUGUCAUCCUCAGUAUAAGAGAGUCCAGUCUCUCUGGUUUUCUCUGGGGCUUUCA
GAGCUGG
>random_seq_from_cds__NO_6457 RANDOM_LENGTH 81  SEQ_LENGTH    70
    GC_CONTENT    0.571428571428571    BASEPAIR  24  FREE_ENERGY
    -28.90 LEN_BP_RATIO  2.91666666666667
GGAGGCGGAGUGCCUUGAUUCAAUCCUUUUGGCCACAUGUUCUGCUGGGGUCCAAGAAGGGCUCU
CUGCACUCUUACUCUU
>random_seq_from_cds__NO_6458 RANDOM_LENGTH 87  SEQ_LENGTH    63
    GC_CONTENT    0.555555555555556    BASEPAIR  20  FREE_ENERGY
    -20.00 LEN_BP_RATIO  3.15
GGCUCUCACGGGUUUCUGGCACUUGGCUGCACUCUCUUGUGGUUUAUUCAACUCCGCAAAUAGUU
CUGAGGAAAGUGGCCUGAAUUU
>random_seq_from_cds__NO_6468 RANDOM_LENGTH 85  SEQ_LENGTH    71
    GC_CONTENT    0.647887323943662    BASEPAIR  23  FREE_ENERGY
    -18.90 LEN_BP_RATIO  3.08695652173913
GGCCCGUUCCGAGGAAUUGUAAUAGCUCCCCAGGAAGACCAGGAUCCAGAAGCCGUUGCCCGCGG
ACAGCUCGCCCUUCUCCUUC
>random_seq_from_cds__NO_6469 RANDOM_LENGTH 85  SEQ_LENGTH    53
    GC_CONTENT    0.716981132075472    BASEPAIR  21  FREE_ENERGY
    -26.70 LEN_BP_RATIO  2.52380952380952
CUGUUCACGUUCUCCCUGCACACCCCCAGGGCCCAGCUGGUGCGGUCCCCAACCUCCACCUCCCA
GUAGUGGCGGCCUGAGGUGA
>random_seq_from_cds__NO_6477 RANDOM_LENGTH 77  SEQ_LENGTH    72
    GC_CONTENT    0.75   BASEPAIR  23  FREE_ENERGY   -32.40
    LEN_BP_RATIO  3.1304347826087
GCUCCCCAGAGCGCUCGCAGGCCGCACACAGGAGGCGCAGCUCGUCGCCACAGAAGGCGGCCAGU
GGCUCGCGGUGC
>random_seq_from_cds__NO_6495 RANDOM_LENGTH 83  SEQ_LENGTH    72
    GC_CONTENT    0.625  BASEPAIR  22  FREE_ENERGY   -25.90
    LEN_BP_RATIO  3.27272727272727
CUGAGGAGCUCAUCUACCCAGACCGCAGGCUGGAGACCAAGUAUCCGGUGGUGUCCGAUGGCAAG
AGGUUCCUGGGCUCUGGA
>random_seq_from_cds__NO_6500 RANDOM_LENGTH 86  SEQ_LENGTH    78
    GC_CONTENT    0.615384615384615    BASEPAIR  28  FREE_ENERGY
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    -24.70 LEN_BP_RATIO  2.78571428571429
GGCAUUGGGGGAUGAAGCUCUGCCCACGGUCCUGGUCGGCGUGUUCAUCGAACAGCCCACGCCGU
UUGUGUCCCUGUUCUUCCAGC
>random_seq_from_cds__NO_6507 RANDOM_LENGTH 72  SEQ_LENGTH    58
    GC_CONTENT    0.655172413793103    BASEPAIR  20  FREE_ENERGY
    -20.40 LEN_BP_RATIO  2.9
CCCUGCGGGGUGAGCUGCAGUCCUCAGAUCUCUUCCACCACAGCAAGCUGGACCCCGACAUGGCC
UUCUGUG
>random_seq_from_cds__NO_6518 RANDOM_LENGTH 83  SEQ_LENGTH    59
    GC_CONTENT    0.457627118644068    BASEPAIR  21  FREE_ENERGY
    -23.12 LEN_BP_RATIO  2.80952380952381
AGUGACCUGGAUAUUCUGUUGUUAGCCCAGCAGGAAUAUGGGCACCUCUUGCUGUAGCGACAACA
GUAAAACUGCCACUCCCG
>random_seq_from_cds__NO_6519 RANDOM_LENGTH 110 SEQ_LENGTH    81
    GC_CONTENT    0.592592592592593    BASEPAIR  27  FREE_ENERGY
    -25.10 LEN_BP_RATIO  3
AUCCAGCACUGACUCGAAGUAGCGGCUCUGGAAUCCUGCCACCAGCCCAUUGUUGGAGCACGUCU
GGUACCCAUUCCAUGCCAGCCCUGUUGAUCUCCUCCCACCAGCAC
>random_seq_from_cds__NO_6520 RANDOM_LENGTH 81  SEQ_LENGTH    75
    GC_CONTENT    0.573333333333333    BASEPAIR  24  FREE_ENERGY
    -22.80 LEN_BP_RATIO  3.125
UCCGUGGGUUCCCCGAGGCUCUGUGGCGUGGGCAUGCAGGCGUAGUUCCAUUGUCUGUCAGAACC
UUCCUUCUUGCUGAAG
>random_seq_from_cds__NO_6531 RANDOM_LENGTH 68  SEQ_LENGTH    48
    GC_CONTENT    0.458333333333333    BASEPAIR  19  FREE_ENERGY
    -17.40 LEN_BP_RATIO  2.52631578947368
UUUUAAUUGGUGACGGAGCUGGUUUCAAAGUUGCAAUGGGAGCUUUUGAUAAAACCAGACCUGUA
GGU
>random_seq_from_cds__NO_6540 RANDOM_LENGTH 81  SEQ_LENGTH    63
    GC_CONTENT    0.666666666666667    BASEPAIR  24  FREE_ENERGY
    -28.80 LEN_BP_RATIO  2.625
CUGCUGCACACGGAUGGUCCCUUGGCCAGCUCCUGGCGCCACUACAUUGCCAUCAUGGGCUGCCG
CCCGCCAUCAGUGUUC
>random_seq_from_cds__NO_6541 RANDOM_LENGTH 87  SEQ_LENGTH    77
    GC_CONTENT    0.688311688311688    BASEPAIR  20  FREE_ENERGY
    -31.70 LEN_BP_RATIO  3.85
UUACCUGGUAGGCUCCCACAUGGCCGAGUUUCUGCAGACUGGUGGUGACCCUGAGUGGCUGCUGG
GCCUCCACCGGGCCCCCGAGAA
>random_seq_from_cds__NO_6543 RANDOM_LENGTH 75  SEQ_LENGTH    62
    GC_CONTENT    0.661290322580645    BASEPAIR  24  FREE_ENERGY
    -26.90 LEN_BP_RATIO  2.58333333333333
CAGGGCCUUGCUGAAGACCGGCGAGCACACUUGGUCCCUGGCCGAGCUCAUUCAGGCUCUGGUCC
UGCUCACCCA
>random_seq_from_cds__NO_6548 RANDOM_LENGTH 67  SEQ_LENGTH    53
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    GC_CONTENT    0.584905660377358    BASEPAIR   20  FREE_ENERGY
    -17.80 LEN_BP_RATIO  2.65
UCGGAUAUGAGGACUUCACUCGGAGAGGGGCUCAGGCACCCCCUACCUUCCGGGCCCAGGGAUUA
UA
>random_seq_from_cds__NO_6549 RANDOM_LENGTH 89  SEQ_LENGTH    80
    GC_CONTENT    0.6 BASEPAIR   32  FREE_ENERGY   -39.30 LEN_BP_RATIO
    2.5
CCUGGGAAGACCAUGGCUACUCGCUGAUCCAGCGGCUUUACCCUGAGGGUGGGCAGCUGCUGGAU
GAGAAGUUCCAGGCAGCCUAUAGC
>random_seq_from_cds__NO_6557 RANDOM_LENGTH 87  SEQ_LENGTH    51
    GC_CONTENT    0.529411764705882    BASEPAIR   19  FREE_ENERGY
    -17.20 LEN_BP_RATIO  2.68421052631579
CUUGACAGAUUCUGAUCUCCCGUAUGGCCGUGUGGUAUCUCUCCAGCUUCUCUCCCAACUUCACU
GUGUUGUCUGGGAGCUUCAUGC
>random_seq_from_cds__NO_6558 RANDOM_LENGTH 110 SEQ_LENGTH    103
    GC_CONTENT    0.553398058252427    BASEPAIR   38  FREE_ENERGY
    -40.80 LEN_BP_RATIO  2.71052631578947
UGGCACCUGCGAGUUAGGGUUGUUUCCGAGUUUUCUUUCUUGGGUUUCAUCCCGAAAGGAGAUGG
UCCUGGGGCUGGAGCGUUUGAGGGAGCUGCUGUAGGUUCGCUGUG
>random_seq_from_cds__NO_6559 RANDOM_LENGTH 109 SEQ_LENGTH    92
    GC_CONTENT    0.66304347826087 BASEPAIR   28  FREE_ENERGY
    -39.65 LEN_BP_RATIO  3.28571428571429
UGGGUGAGGACAUAUCUGCCUCUUCCUCCUUGCUGGGGAUUUUCACCCUGGAGUGUGACGGGUGG
GAGGCGGGAGGCCACAGUCGGAGGGUCUGAAGCCCCCUGCUUUG
>random_seq_from_cds__NO_6568 RANDOM_LENGTH 90  SEQ_LENGTH    78
    GC_CONTENT    0.628205128205128    BASEPAIR   28  FREE_ENERGY
    -38.10 LEN_BP_RATIO  2.78571428571429
CUGCCUCCGCUCCUGCCGUGUUCUGAGGAUGCUCUGGAUGUCCUCGUCCUCAUCUUUGGAGGCUG
GGGGCAGUGGCUUGGGCACCUCUGC
>random_seq_from_cds__NO_6569 RANDOM_LENGTH 90  SEQ_LENGTH    85
    GC_CONTENT    0.611764705882353    BASEPAIR   31  FREE_ENERGY
    -35.10 LEN_BP_RATIO  2.74193548387097
UUCUUCCACGCUCGGUAGUCCUCUCAGAAGCAGAGGCCUGCCGGUCUCCAUUCUGGCUGAGCCUG
GGAGCCUCAUCGUCCGUGGUGGAGC
>random_seq_from_cds__NO_6571 RANDOM_LENGTH 88  SEQ_LENGTH    75
    GC_CONTENT    0.613333333333333    BASEPAIR   28  FREE_ENERGY
    -33.00 LEN_BP_RATIO  2.67857142857143
CCUGCUGACAGCCAUCAUGGCGGCGGCAUUUGAAGCCUCGGGAGCCUUAGCAGCAGUGGCGACUG
CUAUGCCGGCUGAGCAUGUGGCC
>random_seq_from_cds__NO_6576 RANDOM_LENGTH 86  SEQ_LENGTH    74
    GC_CONTENT    0.378378378378378    BASEPAIR   22  FREE_ENERGY
    -18.55 LEN_BP_RATIO  3.36363636363636
GAUCUUGGCUCCUACAAGAGAAAUUGCUGUACAGAUACAUUCUGUUAUUACAGCCAUUGGAAUAA
AAAUGGAAGGCUUAGAGUGUC
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>random_seq_from_cds__NO_6595 RANDOM_LENGTH 81  SEQ_LENGTH    70
    GC_CONTENT    0.428571428571429    BASEPAIR  25  FREE_ENERGY
    -18.80 LEN_BP_RATIO  2.8
UGGAUGAUCGUAUUUCUUUGGAACAACCACCAAAUGGAAGUGACACCCCCAAUCCAGAGAAAUAU
CAAGAAUCACCUGGAA
>random_seq_from_cds__NO_6614 RANDOM_LENGTH 67  SEQ_LENGTH    58
    GC_CONTENT    0.620689655172414    BASEPAIR  20  FREE_ENERGY
    -24.60 LEN_BP_RATIO  2.9
GCCAGAGCUGCGCGGUGAGGAAGACCAUCUCAGAUGGGGAUCCCCACAGUGUUCACCUGGUCCUU
GA
>random_seq_from_cds__NO_6615 RANDOM_LENGTH 90  SEQ_LENGTH    70
    GC_CONTENT    0.628571428571429    BASEPAIR  25  FREE_ENERGY
    -26.00 LEN_BP_RATIO  2.8
GUCCCAGCAGGCUGUAGGCGAUGCGCUUCUGGUGGCCGGGCAGCCGCACCCCAAUCCUCUUGAUG
UCGCUCGUUGGUCAUCUGCACCACC
>random_seq_from_cds__NO_6619 RANDOM_LENGTH 72  SEQ_LENGTH    52
    GC_CONTENT    0.711538461538462    BASEPAIR  21  FREE_ENERGY
    -28.70 LEN_BP_RATIO  2.47619047619048
GGCGGGCACGCUCCUGCUGCCAGCACUGCAUCAUGAGCUGGUAGAUGGCGGAGGGGCAGUCCAUG
GGUGUGG
>random_seq_from_cds__NO_6629 RANDOM_LENGTH 66  SEQ_LENGTH    58
    GC_CONTENT    0.672413793103448    BASEPAIR  21  FREE_ENERGY
    -16.60 LEN_BP_RATIO  2.76190476190476
AAUCACCGCCAAGUUGCCAGAUCCCUCCGGGGCACAGCGUCUGGAAUUCGUGCACCUUGCUGCCG
G
>random_seq_from_cds__NO_6632 RANDOM_LENGTH 67  SEQ_LENGTH    50
    GC_CONTENT    0.64   BASEPAIR  19  FREE_ENERGY   -23.10
    LEN_BP_RATIO  2.63157894736842
GAGACGCUAAGCGAGGUGGUGCUGCGGCCCUCCAGCCUCACCUUGGGGGGCUCCUGUCUGGUUGA
UG
>random_seq_from_cds__NO_6642 RANDOM_LENGTH 84  SEQ_LENGTH    73
    GC_CONTENT    0.671232876712329    BASEPAIR  26  FREE_ENERGY
    -35.40 LEN_BP_RATIO  2.80769230769231
CCUGGAAGGCCAGGUAGAAGCCUUUGCGGGUGAGCGGCCCCACGGAGCGCUCCUCCACGUUCAGC
UUCACGUGGCGUGCCUCGA
>random_seq_from_cds__NO_6657 RANDOM_LENGTH 75  SEQ_LENGTH    60
    GC_CONTENT    0.566666666666667    BASEPAIR  20  FREE_ENERGY
    -23.90 LEN_BP_RATIO  3
AACUCCACGUUUUCUGCUACCUGGAACCGAGGAGUCUCUUCUCCUUCAAGUCCGUGGUUCUGGUG
GAGCCCGACU
>random_seq_from_cds__NO_6663 RANDOM_LENGTH 86  SEQ_LENGTH    56
    GC_CONTENT    0.5 BASEPAIR  23  FREE_ENERGY   -20.50 LEN_BP_RATIO
    2.43478260869565
UGUCAAGAAUUUGGCCUGGGUGGACUCAGACCAGCUCCUCUAUCAGCAUUUUGGUGUCUCCCAG
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UGAUCAAAAAGAGAGUGGUUG
>random_seq_from_cds__NO_6666 RANDOM_LENGTH 72  SEQ_LENGTH    64
    GC_CONTENT    0.703125  BASEPAIR  20  FREE_ENERGY   -20.70
    LEN_BP_RATIO  3.2
UGCAGCGUUCAGCCAGCUCCACCUGCGCCGUGUGGAAGCCGCGGCCACAGCACAGCAGCUCACAG
CCGUCGA
>random_seq_from_cds__NO_6667 RANDOM_LENGTH 82  SEQ_LENGTH    78
    GC_CONTENT    0.666666666666667   BASEPAIR  29  FREE_ENERGY
    -36.20 LEN_BP_RATIO  2.68965517241379
UGGCCUUGGACGUCUUGUUGCAUGUGCGGCCCCUCGUGCCCAGCACGCCGCUGCGCAUGUCCUGC
UCACAGAAGUCGGGGCU
>random_seq_from_cds__NO_6683 RANDOM_LENGTH 86  SEQ_LENGTH    67
    GC_CONTENT    0.552238805970149   BASEPAIR  24  FREE_ENERGY
    -25.00 LEN_BP_RATIO  2.79166666666667
CUUUACCUGGUGACUGUUCUCCCUUGGUCACUCGACGGGAAUCCUCCAGCUGAGUGAUGAUGGUC
UGCACACGGUCAUUCCCCGCC
>random_seq_from_cds__NO_6687 RANDOM_LENGTH 86  SEQ_LENGTH    80
    GC_CONTENT    0.6625 BASEPAIR  30  FREE_ENERGY   -40.90
    LEN_BP_RATIO  2.66666666666667
AUGAUCACCUCGUGGCGGCAGGUGGGGCAGCGGAAACGGCCUCCAGACAUGGACACUGAGCUGCC
CCGGCUGGUCCAGUAGGGAUU
>random_seq_from_cds__NO_6721 RANDOM_LENGTH 110 SEQ_LENGTH    75
    GC_CONTENT    0.546666666666667   BASEPAIR  29  FREE_ENERGY
    -33.30 LEN_BP_RATIO  2.58620689655172
AGCACACGAUGUAUUUGCCUGAUUUAGAUCUGGGGGCUGGUGGGGGCCAUAGCCUUGGCAGCUU
GCUGGGCUAACCAGUACUUAUAUCUUUUGGUCUUGGGCUUCUCAA
>random_seq_from_cds__NO_6731 RANDOM_LENGTH 72  SEQ_LENGTH    54
    GC_CONTENT    0.703703703703704   BASEPAIR  21  FREE_ENERGY
    -34.01 LEN_BP_RATIO  2.57142857142857
CCUCUCCAGCCUCCUGAGGACCCGGGGCUGCGUGAGCGAGCAGAGGCUUAAGGUCUUCAGCGGGG
CGCUCCA
>random_seq_from_cds__NO_6734 RANDOM_LENGTH 78  SEQ_LENGTH    61
    GC_CONTENT    0.688524590163934   BASEPAIR  21  FREE_ENERGY
    -30.10 LEN_BP_RATIO  2.9047619047619
UCCUACCGCAUUGGGGAGGACGGCUCCAUCUGCGUCUUGUACGAGGAGGCCCCACUGGCCGCCUC
CUGUGGGCUCCUC
>random_seq_from_cds__NO_6751 RANDOM_LENGTH 68  SEQ_LENGTH    53
    GC_CONTENT    0.452830188679245   BASEPAIR  19  FREE_ENERGY
    -15.50 LEN_BP_RATIO  2.78947368421053
AAGAAGUUCCAGCACAAGACUUGAGAAAACUCUGUGAGAGACUCAGGGGUAUGGAUUCUAGCACU
CCC
>random_seq_from_cds__NO_6754 RANDOM_LENGTH 83  SEQ_LENGTH    71
    GC_CONTENT    0.366197183098592   BASEPAIR  24  FREE_ENERGY
    -16.30 LEN_BP_RATIO  2.95833333333333
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UGAUGAAGCUUAUGACCUGCUUGAUAAACUUCUAGAUCUAAAUCCAGCUUCAAGAAUAACAGCAG
AAGAAGCUUUGUUGCAUC
>random_seq_from_cds__NO_6758 RANDOM_LENGTH 87  SEQ_LENGTH    80
   GC_CONTENT    0.5375 BASEPAIR  26  FREE_ENERGY   -20.62
   LEN_BP_RATIO  3.07692307692308
AUUUGGAUGGAGAGCUCUGUCUAGGGGCUGGGGUUGGAGCGUGAGUUGGUCGAUGGUGUGGUAGA
AGUCACAGGGGUCAAAUUCAAC
>random_seq_from_cds__NO_6763 RANDOM_LENGTH 72  SEQ_LENGTH    54
   GC_CONTENT    0.722222222222222   BASEPAIR  19  FREE_ENERGY
   -23.70 LEN_BP_RATIO  2.84210526315789
UGCUGAGUGGCAGGAAAGAGACCCGGCUGGCCCCAUGCGAUGGGCUGAGCCCCCGGCAUCACCUG
AGCGACU
>random_seq_from_cds__NO_6768 RANDOM_LENGTH 110 SEQ_LENGTH    86
   GC_CONTENT    0.476744186046512   BASEPAIR  31  FREE_ENERGY
   -26.60 LEN_BP_RATIO  2.7741935483871
UCACGGAUUGGCUCGUGUCCAGCCUCAAACACAAUGUACCUGGUACACAGGAUCUUCAACAUCCU
CUUCCAAUAUUGUCCUGGUACACAGCUUGUUCACACUGCUUAUCC
>random_seq_from_cds__NO_6770 RANDOM_LENGTH 87  SEQ_LENGTH    78
   GC_CONTENT    0.538461538461538   BASEPAIR  20  FREE_ENERGY
   -19.55 LEN_BP_RATIO  3.9
CAGCCCGCCUGGGCUGUUUUUAUGGCCACAAAUCUGUGAUUCCCUUCCUUCCCACAAACAUAUCC
AAAGGCCCGGUGAUCUGUAAUG
>random_seq_from_cds__NO_6774 RANDOM_LENGTH 72  SEQ_LENGTH    61
   GC_CONTENT    0.524590163934426   BASEPAIR  20  FREE_ENERGY
   -17.21 LEN_BP_RATIO  3.05
AAAGUGGCUUCACUGCGAUCCUGACCCUUUCUUUCUGGAGUCUUUCUUGGCGCUGGUUUUCACAG
CUACUUG
>random_seq_from_cds__NO_6789 RANDOM_LENGTH 72  SEQ_LENGTH    59
   GC_CONTENT    0.576271186440678   BASEPAIR  20  FREE_ENERGY
   -20.34 LEN_BP_RATIO  2.95
UACCGGGUGGACCAUUACUUAGGCAAGCAGGGCUGUGGCGCAGAUCCUGCCUUUCCGAGACCAGA
ACCGCAA
>random_seq_from_cds__NO_6790 RANDOM_LENGTH 68  SEQ_LENGTH    60
   GC_CONTENT    0.616666666666667   BASEPAIR  20  FREE_ENERGY
   -20.80 LEN_BP_RATIO  3
GGCUUUGGACGGCCUCUGGAACCGGCACCAUGUGGAGCGGGUGGAGAUCAUCAUGAAAGAGACCG
UGG
>random_seq_from_cds__NO_6793 RANDOM_LENGTH 85  SEQ_LENGTH    77
   GC_CONTENT    0.61038961038961 BASEPAIR  29  FREE_ENERGY
   -28.00 LEN_BP_RATIO  2.6551724137931
AGUCUUACAGUGAGCAGGUGCGCAGAGAGCUGCAGAAGCCAGACAGCUUCCACAGCCUGACGCCG
ACCUUCGCAGGUGGUCCUAG
>random_seq_from_cds__NO_6806 RANDOM_LENGTH 87  SEQ_LENGTH    62
   GC_CONTENT    0.725806451612903   BASEPAIR  19  FREE_ENERGY
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    -23.81 LEN_BP_RATIO  3.26315789473684
CCCACAGUCACCCACUGGCCUGGAUGGCGAGCAGCUGGUCGUGCUGACCACGAGCCCCUCCCAGC
CACACCGCCGCAUGAGCCUUAG
>random_seq_from_cds__NO_6819 RANDOM_LENGTH 62  SEQ_LENGTH    55
    GC_CONTENT    0.654545454545455    BASEPAIR  19  FREE_ENERGY
    -17.80 LEN_BP_RATIO  2.89473684210526
ACGGGGAAUGACAUGCCAAGCUCGGAGCUCCUACCUGGUAGACGAGGUGCUGUGGGGCCACC
>random_seq_from_cds__NO_6822 RANDOM_LENGTH 92  SEQ_LENGTH    55
    GC_CONTENT    0.763636363636364    BASEPAIR  20  FREE_ENERGY
    -30.40 LEN_BP_RATIO  2.75
GGUGGAGGAGGAGGGGGCGGGGGAGGGGGCGGGUGGGGAAGCUGGGGCUGACAAGGAGCAGAAUG
GCUGCCUGCCACCCCCAGAGAGUGAGU
>random_seq_from_cds__NO_6825 RANDOM_LENGTH 88  SEQ_LENGTH    56
    GC_CONTENT    0.517857142857143    BASEPAIR  21  FREE_ENERGY
    -19.10 LEN_BP_RATIO  2.66666666666667
CCACCACUGCCUCCACUACCGCUGCCACCCCUGAAGAAGAGAGGGAACCACAGCACAGGCCUGUG
UCUCCUUGUGAUGUUUUUCAUGG
>random_seq_from_cds__NO_6830 RANDOM_LENGTH 81  SEQ_LENGTH    67
    GC_CONTENT    0.567164179104478    BASEPAIR  23  FREE_ENERGY
    -21.00 LEN_BP_RATIO  2.91304347826087
AACAACCUGCCCCUGAGCCACAAGGUCUACAUGAGGAACUCUAAGUAUCCCCAGGAUCUGGUGAU
GAUGGAGGGGAAGAUG
>random_seq_from_cds__NO_6831 RANDOM_LENGTH 65  SEQ_LENGTH    56
    GC_CONTENT    0.589285714285714    BASEPAIR  21  FREE_ENERGY
    -25.60 LEN_BP_RATIO  2.66666666666667
AUGAGCUACUGCACUACUGGGCAGAUGUGGGCCCGCAGCAGCUACCUGGGGGCAGUGUUCAAUCU
>random_seq_from_cds__NO_6832 RANDOM_LENGTH 98  SEQ_LENGTH    77
    GC_CONTENT    0.402597402597403    BASEPAIR  26  FREE_ENERGY
    -19.60 LEN_BP_RATIO  2.96153846153846
UACCAGUGCUGAUCAUUUAUAUGUCAACGUAUCUGAGCUCUCUCUGGUCAAUUUUGAGGAAUCUC
AGACGUUUUUCGGCUUAUAUAAGCUCUAACUCA
>random_seq_from_cds__NO_6835 RANDOM_LENGTH 79  SEQ_LENGTH    60
    GC_CONTENT    0.55   BASEPAIR  19  FREE_ENERGY   -24.90
    LEN_BP_RATIO  3.15789473684211
AAGAGGGGCUCCUCAUCCUUCUGGUAAUGAAGGCUAAUGUUGACUUCCUGGGAGAAGUAGCCCUU
CAGGGAGAUGAGAU
>random_seq_from_cds__NO_6861 RANDOM_LENGTH 79  SEQ_LENGTH    54
    GC_CONTENT    0.481481481481481    BASEPAIR  20  FREE_ENERGY
    -16.90 LEN_BP_RATIO  2.7
UAGAUGAGGAGGAAGGAUGGGUGGGGAUUUGAAUCUUUCCUCAGAUCGAAACGCAUACAUUUCUU
GACCAUAAGGCCCU
>random_seq_from_cds__NO_6874 RANDOM_LENGTH 82  SEQ_LENGTH    73
    GC_CONTENT    0.657534246575342    BASEPAIR  25  FREE_ENERGY
    -28.40 LEN_BP_RATIO  2.92
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CAGGCUGCAGCUGGACAGAGUGGCAGAGGCGGCUGAGGCUUGGGCAGCCAGGUCCCGGUAAGCAG
GCGACUUCAGGAAGCGU
>random_seq_from_cds__NO_6880 RANDOM_LENGTH 84  SEQ_LENGTH    54
    GC_CONTENT    0.62962962962963 BASEPAIR  19  FREE_ENERGY
    -22.70 LEN_BP_RATIO  2.84210526315789
AUUUGUGAAGAAAGAUCCCCAGACGUGUCUUGAACUCUUUGGCUCCUCUCCAGGCAGGUGGUGGG
GAAGGCGGCCAGGGUGCGG
>random_seq_from_cds__NO_6884 RANDOM_LENGTH 84  SEQ_LENGTH    65
    GC_CONTENT    0.661538461538462   BASEPAIR  23  FREE_ENERGY
    -27.30 LEN_BP_RATIO  2.82608695652174
AGGAUGCUGUGGGCUCCAUGAUGCUAGGGUCGGUGCUGCUGCUGGGCUGGGCAGAGUCAGGGCUG
GGGCAGAGGGUGGAGGUAG
>random_seq_from_cds__NO_6886 RANDOM_LENGTH 62  SEQ_LENGTH    50
    GC_CONTENT    0.66   BASEPAIR  19  FREE_ENERGY   -19.60
    LEN_BP_RATIO  2.63157894736842
GUUGUCCCUCAGUCCUGUCGGGCACUUCCAGUCUCGUCUGCGGAGGGGCCUUGACGGCAAUC
>random_seq_from_cds__NO_6887 RANDOM_LENGTH 110 SEQ_LENGTH    98
    GC_CONTENT    0.530612244897959   BASEPAIR  35  FREE_ENERGY
    -35.40 LEN_BP_RATIO  2.8
ACUGUCUGCUCCUUAAAGUUGCCAACAGCACGGAUAUCCUGGUAAGUCACAUAGGCCAGCUCUCU
UGUUGGCCUUGUCCUCAGUCAGGUGCUUGAAGCUCAGAGAGCAGC
>random_seq_from_cds__NO_6893 RANDOM_LENGTH 81  SEQ_LENGTH    72
    GC_CONTENT    0.694444444444444   BASEPAIR  25  FREE_ENERGY
    -35.80 LEN_BP_RATIO  2.88
AUCCAGCUUCCUUUUGGCCCGGCAGCCGGCCUGCCGGCAGGCAUCGCACAACUUGGCCCUCGGGU
CCGUGGGGAGUGGCGU
>random_seq_from_cds__NO_6894 RANDOM_LENGTH 81  SEQ_LENGTH    64
    GC_CONTENT    0.6875 BASEPAIR  23  FREE_ENERGY   -34.70
    LEN_BP_RATIO  2.78260869565217
CGAGGCAGGUGCCUGGCGCCGCUGCGGGAGGCGCCGUCUGCGGGUACAGCGGUGUGUAGUAGGUA
GCAGUAGCUGGGCAGA
>random_seq_from_cds__NO_6898 RANDOM_LENGTH 110 SEQ_LENGTH    83
    GC_CONTENT    0.373493975903614   BASEPAIR  30  FREE_ENERGY
    -23.20 LEN_BP_RATIO  2.76666666666667
CCUUGCAUUUGAUAUGUCUGUGUUCCAUCCUGGGAGAGUCUUAUAUUGAACUUCAACUUUAUUUA
AGACUUCUUGGUUUGCCUGGGAUAUGAGGUAUGAUUUCACCAUCU
>random_seq_from_cds__NO_6919 RANDOM_LENGTH 63  SEQ_LENGTH    50
    GC_CONTENT    0.62   BASEPAIR  19  FREE_ENERGY   -18.50
    LEN_BP_RATIO  2.63157894736842
GCAUGACCAUCGCUGCCUACCAGACCCUGUACGAGAGCAGCGUGGCGUUUGGCAUGAGGAAGG
>random_seq_from_cds__NO_6922 RANDOM_LENGTH 73  SEQ_LENGTH    55
    GC_CONTENT    0.545454545454545   BASEPAIR  19  FREE_ENERGY
    -16.90 LEN_BP_RATIO  2.89473684210526
GAAGCACAAUGAGGAGAUUCAGUUCCUGAAGCGAACAAAUCAGCAGCUGAAGGGCCCAACUGGAA
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GGCAUUAU
>random_seq_from_cds__NO_6923 RANDOM_LENGTH 99  SEQ_LENGTH    81
    GC_CONTENT    0.444444444444444   BASEPAIR  26  FREE_ENERGY
    -18.00 LEN_BP_RATIO  3.11538461538462
UGCACCAAAGAAGUGAAAUGUCCCUGCUCUUCUCUCGAUGCAACUCUAUCGUCACAGUCAAGAAA
AAUAAGAGACACAUGGCUGAGGUGAAUGCAUCCC
>random_seq_from_cds__NO_6932 RANDOM_LENGTH 97  SEQ_LENGTH    85
    GC_CONTENT    0.647058823529412   BASEPAIR  32  FREE_ENERGY
    -38.30 LEN_BP_RATIO  2.65625
UGCAUCUGCCUCAGAGCCCGAGUACAUGGAGGAGGGUGCGGCGGCAGCACAUGGAGCGUUGUACC
AGCUUCCUGGUGGAUGAGCUGGGCGUGGUGGA
>random_seq_from_cds__NO_6937 RANDOM_LENGTH 72  SEQ_LENGTH    59
    GC_CONTENT    0.542372881355932   BASEPAIR  20  FREE_ENERGY
    -18.30 LEN_BP_RATIO  2.95
CUGGAGCUCUUGGCUCAAGACUAUAAGCUGCGAAUUAAGCAGAUUACGGAGGAAGUGGAGAGGCA
GGGUGUC
>random_seq_from_cds__NO_6940 RANDOM_LENGTH 68  SEQ_LENGTH    51
    GC_CONTENT    0.568627450980392   BASEPAIR  19  FREE_ENERGY
    -19.90 LEN_BP_RATIO  2.68421052631579
UCCACGGCCAUCACCAACUCCCUGCAGACCAUGCAGCAGGACAUGAUAGGAUGGCUUGAAACCCC
UCC
>random_seq_from_cds__NO_6955 RANDOM_LENGTH 78  SEQ_LENGTH    60
    GC_CONTENT    0.466666666666667   BASEPAIR  24  FREE_ENERGY
    -20.30 LEN_BP_RATIO  2.5
GUGAAAAUGAUGUUAAGUGGUGUGUGCUUGUUUGCUGUUUUCAUAGCUUUGCUGCCCAUCCUUGG
ACAUCGAGACUAU
>random_seq_from_cds__NO_6958 RANDOM_LENGTH 110 SEQ_LENGTH    81
    GC_CONTENT    0.481481481481481   BASEPAIR  29  FREE_ENERGY
    -23.60 LEN_BP_RATIO  2.79310344827586
AAGAGUUAAAUUUAAAAGUCAGCAGCACAGACAAGGCAGAUCUCAUCAUUUGGAAAUGGUAAUCC
AGCUCCUGGCGAUAAUGUGUGUCUCCUGUAUUUGUUGGAGCCCAU
>random_seq_from_cds__NO_6969 RANDOM_LENGTH 78  SEQ_LENGTH    55
    GC_CONTENT    0.618181818181818   BASEPAIR  21  FREE_ENERGY
    -26.40 LEN_BP_RATIO  2.61904761904762
CCCGCACGUGUACCGUUUCUCCUCAUAAGAGGUAUCCGUGAACUCCAGGAGCAGGCGGAUGGCGU
GCGCCAGCCCCAC
>random_seq_from_cds__NO_6979 RANDOM_LENGTH 110 SEQ_LENGTH    72
    GC_CONTENT    0.347222222222222   BASEPAIR  24  FREE_ENERGY
    -16.50 LEN_BP_RATIO  3
AAAUUAAUGACAUAUUUCAAAAACUCAACAUAUUUGAUCAGUCUUUUUAUGAUCUAUCGCUGCAA
ACCAGUGAAAUCAAAGAAGAAGAAAAGGAACUGAGAAGAACUACA
>random_seq_from_cds__NO_6985 RANDOM_LENGTH 89  SEQ_LENGTH    58
    GC_CONTENT    0.46551724137931 BASEPAIR  22  FREE_ENERGY
    -19.30 LEN_BP_RATIO  2.63636363636364
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GGCAUUCCUGCUGAAUGUACCACCAUUUAUAACAGAGGUGAACAUACAAGUGGCAUGUAUGCCAU
CAGACCCAGCAACUCUCAAGUUUU
>random_seq_from_cds__NO_6989 RANDOM_LENGTH 86  SEQ_LENGTH    60
   GC_CONTENT    0.433333333333333    BASEPAIR   21  FREE_ENERGY
   -18.40 LEN_BP_RATIO  2.85714285714286
UACUGGCAAUGUCCCCAAUGCAAUCCCGGAAAACAAAGAUUUGGUGUUUUCUACUUGGGAUCACA
AAGCAAAAGGACACUUCAACU
>random_seq_from_cds__NO_7016 RANDOM_LENGTH 62  SEQ_LENGTH    57
   GC_CONTENT    0.614035087719298    BASEPAIR   22  FREE_ENERGY
   -26.10 LEN_BP_RATIO  2.59090909090909
CAGCAGAGUUAGGGGUGCCUCCCUCCAGGGGCUGGAGGUGGAGUUCAGCCCCCGAUAUUGU
>random_seq_from_cds__NO_7025 RANDOM_LENGTH 73  SEQ_LENGTH    60
   GC_CONTENT    0.616666666666667    BASEPAIR   21  FREE_ENERGY
   -22.70 LEN_BP_RATIO  2.85714285714286
CACCACCCACUACUACCUGGUCAUGCAGCUGUGUUUCUGGUGGGGAGCUCUUUGACCGGAUCCUG
GAGCGGGG
>random_seq_from_cds__NO_7026 RANDOM_LENGTH 94  SEQ_LENGTH    86
   GC_CONTENT    0.5 BASEPAIR   27  FREE_ENERGY   -23.90 LEN_BP_RATIO
   3.18518518518519
UGUCUACACAGAGAAGGAUGCCAGUCUGGUGAUCCAGCAGGUCUUGUCGGCAGUGAAAUACCUAC
AUGAGAAUGGCAUCGUCCACAGAGACUUA
>random_seq_from_cds__NO_7035 RANDOM_LENGTH 110 SEQ_LENGTH    80
   GC_CONTENT    0.7 BASEPAIR   25  FREE_ENERGY   -31.60 LEN_BP_RATIO
   3.2
CUGACCCAAUUACCCUGCCAGCAUGGCCGCCGGCCCACUGCCCCUGGUGGCAGGUCCCUCAACUG
CCUGGUCAAUGGCUCCCUCCACAUCAGCAGCAGCCUGGUGCCCAU
>random_seq_from_cds__NO_7039 RANDOM_LENGTH 79  SEQ_LENGTH    67
   GC_CONTENT    0.597014925373134    BASEPAIR   25  FREE_ENERGY
   -27.70 LEN_BP_RATIO  2.68
GAUCCUGUCUGGCUCGCUUAGGAUUCUGCAGGUCACCAGGUGGUGAGGCCUUGCUUGCUGAGAUG
CUCCGGAGAGAAUG
>random_seq_from_cds__NO_7049 RANDOM_LENGTH 102 SEQ_LENGTH    96
   GC_CONTENT    0.635416666666667    BASEPAIR   35  FREE_ENERGY
   -37.20 LEN_BP_RATIO  2.74285714285714
GUCAGGGACUUAUCAAUGGCCAGAAUGUCACAGGCCCUUGCUCCUCAGGUCUUCGAGGCAGGAGG
CGGCCACGCCGUGCUGUUCGCGGCUGUAGUUGCGGCG
>random_seq_from_cds__NO_7051 RANDOM_LENGTH 96  SEQ_LENGTH    91
   GC_CONTENT    0.538461538461538    BASEPAIR   31  FREE_ENERGY
   -26.60 LEN_BP_RATIO  2.93548387096774
GCUGUGGCUGAAGAGGCUCUGGGUGCUCUUGGAGGUGGCUGUGCAUGUGGUCGUGGGUAAAGUGC
UUCUGAUAUUGUUUCCAGACAGAGUCAAGCG
>random_seq_from_cds__NO_7053 RANDOM_LENGTH 79  SEQ_LENGTH    65
   GC_CONTENT    0.553846153846154    BASEPAIR   23  FREE_ENERGY
   -26.90 LEN_BP_RATIO  2.82608695652174
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CCCAGUAUUUCUGGUUCGUCUUGAAGGUCCGUUGGCAGCGACUAGAGGACACGACUGAGCUAGGG
GGUCUGGCCCCAAA
>random_seq_from_cds__NO_7066 RANDOM_LENGTH 72  SEQ_LENGTH    61
    GC_CONTENT    0.639344262295082    BASEPAIR  19  FREE_ENERGY
    -21.70 LEN_BP_RATIO  3.21052631578947
UCCCGCUGCUCCUCAACCCUGCGCAGCUGAAAACCCUUGACGGAUGGCUGAAAGCAGGUCGCUAC
GGGCAUC
>random_seq_from_cds__NO_7072 RANDOM_LENGTH 73  SEQ_LENGTH    56
    GC_CONTENT    0.517857142857143    BASEPAIR  19  FREE_ENERGY
    -19.60 LEN_BP_RATIO  2.94736842105263
AUCUUUUGGGUCCAGCCAAACCAGAUCCUCUUUGGUUGUCCACUGGGUAACCUGAAUUCUGCUGG
UGGAGGAG
>random_seq_from_cds__NO_7076 RANDOM_LENGTH 110 SEQ_LENGTH    68
    GC_CONTENT    0.397058823529412    BASEPAIR  24  FREE_ENERGY
    -19.95 LEN_BP_RATIO  2.83333333333333
CUAUGCUUUCUCUUCUCUUUCAUGAUAUCCUUGGUGUCCUGCAGCAUCUUCUCCUUCCAAAGAUC
AAAGAAGUAUGAAGGGUCUGUGUAGAAUUUGAGUGCCUCUUUUCC
>random_seq_from_cds__NO_7079 RANDOM_LENGTH 87  SEQ_LENGTH    76
    GC_CONTENT    0.552631578947368    BASEPAIR  25  FREE_ENERGY
    -24.90 LEN_BP_RATIO  3.04
CCUUCUUCUUCCUUGGGAUCCAGCUGAGUGACUUUAACCUGUAGUCGGUCGACCCUCUCAGCAAG
GGAGCUUACCCGAGAGGCAAAG
>random_seq_from_cds__NO_7092 RANDOM_LENGTH 90  SEQ_LENGTH    72
    GC_CONTENT    0.680555555555556    BASEPAIR  27  FREE_ENERGY
    -33.20 LEN_BP_RATIO  2.66666666666667
GUGGAAGGUAGUGACCAGCACAGCCAGCGCCUGCUCCAGAGAACUGCACAUCAUGCGGCUGGCGC
UGCUCUGGGCCCUGGGGCUCCUGGG
>random_seq_from_cds__NO_7093 RANDOM_LENGTH 73  SEQ_LENGTH    57
    GC_CONTENT    0.701754385964912    BASEPAIR  21  FREE_ENERGY
    -28.70 LEN_BP_RATIO  2.71428571428571
CGCGGGCAGCCCUCUGCCUUCCUGGCCGCUCCCAAAUAUAGGGUGGCACUGAGGAGCAGCAGGCA
GAGUCAGA
>random_seq_from_cds__NO_7098 RANDOM_LENGTH 100 SEQ_LENGTH    91
    GC_CONTENT    0.571428571428571    BASEPAIR  24  FREE_ENERGY
    -26.75 LEN_BP_RATIO  3.79166666666667
GGUCCUCCCAUUAUUUCGCGAAUCCAAGAUCUCCACCUGCCAGGCCACACCUGUGCCCUGAGCUG
GCGGGAAUCUGUACACACUCAGAAGCCACCAGAGC
>random_seq_from_cds__NO_7101 RANDOM_LENGTH 94  SEQ_LENGTH    74
    GC_CONTENT    0.662162162162162    BASEPAIR  26  FREE_ENERGY
    -26.20 LEN_BP_RATIO  2.84615384615385
AAUGUACGAGUGGCACUAGUGGGCCUGGAGGCCUGGACCCAGCGUGACCUGGUGGAGAUCAGCCC
AAACCCAGCUGUCACCCUCGAAAACUUCC
>random_seq_from_cds__NO_7114 RANDOM_LENGTH 84  SEQ_LENGTH    73
    GC_CONTENT    0.534246575342466    BASEPAIR  28  FREE_ENERGY
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    -29.30 LEN_BP_RATIO  2.60714285714286
AUAGACCAUCGAUGCCAGCGUGUGGAUCUCCUGGGGGCACAGGAAUGUCGAAGCAAAUGCCAUGG
ACAUGGGGGUCUGUGACAG
>random_seq_from_cds__NO_7120 RANDOM_LENGTH 98  SEQ_LENGTH    78
    GC_CONTENT    0.641025641025641   BASEPAIR  27  FREE_ENERGY
    -35.80 LEN_BP_RATIO  2.88888888888889
AGUGUCCUCGCUCUACCUCUGAGAUGGCGGACGGGGAGCUGAACGUGGACAGCCUCAUCACCCGG
CUGCUGGAGGGUACGAGGAUGUCGUCCAGGAAA
>random_seq_from_cds__NO_7150 RANDOM_LENGTH 89  SEQ_LENGTH    75
    GC_CONTENT    0.466666666666667   BASEPAIR  19  FREE_ENERGY
    -18.30 LEN_BP_RATIO  3.94736842105263
GCAGUCUCUUGGUACUUUUGAUGCACAGCGUUUAUGGCAGUUGAAUUUGCAAUCCUUUACACUGC
AUUCCUUGGCGAAAGAGGCCUUUC
>random_seq_from_cds__NO_7153 RANDOM_LENGTH 79  SEQ_LENGTH    65
    GC_CONTENT    0.492307692307692   BASEPAIR  19  FREE_ENERGY
    -16.40 LEN_BP_RATIO  3.42105263157895
GUCUUGGAACUGAGAGGCCGGGUCCUGGUAAAGAUACAUUUGACAGACGUCUCUUUCUUACUCCA
CUACAGUUAUUUGG
>random_seq_from_cds__NO_7179 RANDOM_LENGTH 68  SEQ_LENGTH    61
    GC_CONTENT    0.540983606557377   BASEPAIR  19  FREE_ENERGY
    -16.10 LEN_BP_RATIO  3.21052631578947
GUGGAGAAGUGGGAGCACGCAGUCAUGGUAAACCAGGAGAAACGUGGACUUCAGGAACUCUUUGU
CUC
>random_seq_from_cds__NO_7203 RANDOM_LENGTH 73  SEQ_LENGTH    62
    GC_CONTENT    0.483870967741936   BASEPAIR  23  FREE_ENERGY
    -20.00 LEN_BP_RATIO  2.69565217391304
AGCAUGUUAGCCUAGGUUUGUUUGGGGCAAGCUGUCGACUUGGCCGUCUAAUAGACUGGUUUUGC
UGUAUCUU
>random_seq_from_cds__NO_7254 RANDOM_LENGTH 82  SEQ_LENGTH    71
    GC_CONTENT    0.591549295774648   BASEPAIR  25  FREE_ENERGY
    -23.80 LEN_BP_RATIO  2.84
GAACCGCCGUUCUUCUGACACUGGCUCCAAGGCACCCCCCACCUUCAAGGGUCUCACUUAUGGAC
CAGUCAGUAAGAGAAGG
>random_seq_from_cds__NO_7256 RANDOM_LENGTH 71  SEQ_LENGTH    64
    GC_CONTENT    0.75   BASEPAIR  26  FREE_ENERGY   -39.40
    LEN_BP_RATIO  2.46153846153846
CCAGCGGCGCUUUGCGGAGGAGGCUGAGGGUGGGCUGUGCCGGCUGCGGAUCCUGGCUGCAGAGC
GUGGCG
>random_seq_from_cds__NO_7257 RANDOM_LENGTH 64  SEQ_LENGTH    50
    GC_CONTENT    0.64   BASEPAIR  19  FREE_ENERGY   -19.30
    LEN_BP_RATIO  2.63157894736842
AUGCUGGUUUCUACACUUGCAAAGCGGUCAAUGAGUAUGGUGCUCGGCAGUGCGAGGCCCGCUU
>random_seq_from_cds__NO_7270 RANDOM_LENGTH 69  SEQ_LENGTH    63
    GC_CONTENT    0.476190476190476   BASEPAIR  24  FREE_ENERGY
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    -18.60 LEN_BP_RATIO  2.625
CAGCUCAUCUGCAGUCACAUUUAGUGAAGAAACUAUAUGGUCUAUACUGCUGGCUCAUCAGGUGA
CUGG
>random_seq_from_cds__NO_7280 RANDOM_LENGTH 89  SEQ_LENGTH    76
    GC_CONTENT    0.421052631578947    BASEPAIR  21  FREE_ENERGY
    -17.50 LEN_BP_RATIO  3.61904761904762
UCGUUCUUGGUUACCAUGUAUAUUUUUUGCUGGAGGCAUAACAAUGGGAAACAUUGGUCGACAAC
UGGCAAUGGUACGAAUGUAAAGUU
>random_seq_from_cds__NO_7292 RANDOM_LENGTH 89  SEQ_LENGTH    80
    GC_CONTENT    0.4875 BASEPAIR  29  FREE_ENERGY   -19.20
    LEN_BP_RATIO  2.75862068965517
CAUGGGCAGCUAUCGAUGUACCUGCAAAAUAGGAUUUGGGCCGGAUCCUACCUUUUCAAGUUGUG
UUCGCUGAUCCCCCUGUGAUCUCG
>random_seq_from_cds__NO_7293 RANDOM_LENGTH 78  SEQ_LENGTH    57
    GC_CONTENT    0.526315789473684    BASEPAIR  20  FREE_ENERGY
    -16.00 LEN_BP_RATIO  2.85
GAAGAGAAAGGGCCCUGUUACCGACUUGUCAGUUCUGGAAGACAGUGUAUGCACCCUCUGUCUGU
UCACCUCACCAAG
>random_seq_from_cds__NO_7295 RANDOM_LENGTH 79  SEQ_LENGTH    70
    GC_CONTENT    0.485714285714286    BASEPAIR  23  FREE_ENERGY
    -22.20 LEN_BP_RATIO  3.04347826086957
CGGUUUCUGGCGUUCAUAGACGCAGGCCAAUCCAUCACCAUGUAGGUAAAGGACCUGUAUUUGUC
AAGCCAAAGAACAC
>random_seq_from_cds__NO_7301 RANDOM_LENGTH 82  SEQ_LENGTH    72
    GC_CONTENT    0.541666666666667    BASEPAIR  23  FREE_ENERGY
    -24.00 LEN_BP_RATIO  3.1304347826087
GUUCAGUGAACAACAGAGGAAAUGUGUGGGAUAUUGAUGAGUGUACUCAGGUCCAACACCUCUGC
UCCCAGGGCCGCUGUGA
>random_seq_from_cds__NO_7309 RANDOM_LENGTH 70  SEQ_LENGTH    61
    GC_CONTENT    0.524590163934426    BASEPAIR  22  FREE_ENERGY
    -17.90 LEN_BP_RATIO  2.77272727272727
AUCUCUGUGCUCAUGGGCAGUGCAGGAACACUGAGGGCUCUUUUCAAUGUGUGUGUGACCAGGGU
UACAG
>random_seq_from_cds__NO_7314 RANDOM_LENGTH 88  SEQ_LENGTH    64
    GC_CONTENT    0.59375    BASEPAIR  25  FREE_ENERGY   -24.90
    LEN_BP_RATIO  2.56
GCUGGCUCCUUCCGCUGCCUCUGUUAUCAGGGCUUUCAAGCCCCACAGGAUGGGCAAGGGUGUGU
GGGAUGUGAAUGAAUGUGAACUG
>random_seq_from_cds__NO_7321 RANDOM_LENGTH 87  SEQ_LENGTH    74
    GC_CONTENT    0.459459459459459    BASEPAIR  27  FREE_ENERGY
    -20.40 LEN_BP_RATIO  2.74074074074074
GAUGAAUGUCAAGACCCCAGUAGUUGUAUUGAUGGCCAGUGUGUUAAUACAGAGGGCUCUUACAA
CUGCUUCUGUACUCACCCCAUG
>random_seq_from_cds__NO_7326 RANDOM_LENGTH 74  SEQ_LENGTH    61
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    GC_CONTENT    0.409836065573771    BASEPAIR   20  FREE_ENERGY
    -18.40 LEN_BP_RATIO  3.05
GGUUUUCUAAAUAGCUUUGAGGAGUUACAGGCUGAGGAAUGCGGCAUCCUCAAUGGAUGUGAAAA
UGGUCGCUG
>random_seq_from_cds__NO_7336 RANDOM_LENGTH 73  SEQ_LENGTH    65
    GC_CONTENT    0.492307692307692    BASEPAIR   24  FREE_ENERGY
    -20.20 LEN_BP_RATIO  2.70833333333333
UUGGUAACCACUUCCUCUGCCAUCAAAGCUAGCUACUAUAAUGUUUUCUGUGCUUGCAAGGUAAG
UGGCCCAG
>random_seq_from_cds__NO_7354 RANDOM_LENGTH 109 SEQ_LENGTH    82
    GC_CONTENT    0.304878048780488    BASEPAIR   33  FREE_ENERGY
    -16.26 LEN_BP_RATIO  2.48484848484848
UUAUUUUCUUGUUUGUAGAGAUAUUCAUGAUCCUGAAAUCCAUCUUAAGGAGUAUAACUUCAGUC
UAUAAGUAUUUUUUAAGUAAUCAGUUAGAGUGUAAGUUUUGCGA
>random_seq_from_cds__NO_7364 RANDOM_LENGTH 85  SEQ_LENGTH    76
    GC_CONTENT    0.552631578947368    BASEPAIR   23  FREE_ENERGY
    -21.96 LEN_BP_RATIO  3.30434782608696
GGACCUGUAGUAGCGAUGCAGCACCAGGAUGAAGUCAGUGAUGGUCAGCAUCCCCCACAAAGCUC
UGCUUCUUGCUGUCCCAUAG
>random_seq_from_cds__NO_7382 RANDOM_LENGTH 90  SEQ_LENGTH    73
    GC_CONTENT    0.493150684931507    BASEPAIR   24  FREE_ENERGY
    -21.04 LEN_BP_RATIO  3.04166666666667
UGAUCCAAAAGAAGAUCACAAUUACAGUGCAAGUAGCAUGGCAGCACAGCGUUGUGCAUCCAGGU
CUAGCGUGUCUUCCCUGUCUUCUGU
>random_seq_from_cds__NO_7407 RANDOM_LENGTH 85  SEQ_LENGTH    65
    GC_CONTENT    0.553846153846154    BASEPAIR   24  FREE_ENERGY
    -24.00 LEN_BP_RATIO  2.70833333333333
GGCAUCUGUUUCUGCAGUUUGAGGUGUUAAGGCACGUGCCCUGGAACUCCAGCCCGUAGAUCACU
GGUGCAUCGUCCUCCAUGAU
>random_seq_from_cds__NO_7412 RANDOM_LENGTH 72  SEQ_LENGTH    64
    GC_CONTENT    0.40625    BASEPAIR   23  FREE_ENERGY   -16.30
    LEN_BP_RATIO  2.78260869565217
GACAGCACUUUUCAAAAACCUGGAUUCAGAAUAUGAACAACAUAAUCUCCUUCCCUUUGGACAGU
UUGCUGA
>random_seq_from_cds__NO_7439 RANDOM_LENGTH 72  SEQ_LENGTH    64
    GC_CONTENT    0.609375   BASEPAIR   22  FREE_ENERGY   -21.30
    LEN_BP_RATIO  2.90909090909091
GAAGCUCUGGGUCCUCUGUCCAAUGCUAUGGUCCUGCAGCCCCCUGCACCCAUGCCUAGGAAGUC
GCAGGCA
>random_seq_from_cds__NO_7442 RANDOM_LENGTH 96  SEQ_LENGTH    88
    GC_CONTENT    0.545454545454545    BASEPAIR   30  FREE_ENERGY
    -31.80 LEN_BP_RATIO  2.93333333333333
GCUGACUGAGAUGGACCUCGAGGAGGCGGGAAGAGUUUAAAGAACGCUGUACUCAGUGUGCUGCU
GUCUCAUGGGGUCUUACUGAUGAAGGCAAAU
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>random_seq_from_cds__NO_7453 RANDOM_LENGTH 82  SEQ_LENGTH    67
   GC_CONTENT    0.402985074626866    BASEPAIR  22  FREE_ENERGY
   -17.30 LEN_BP_RATIO  3.04545454545455
UAGCUUAACUUGCCACGUGGUAAAAAUGACUGGAAUGGGAGAAGUGGAUUUUCUGACAUUUGAUC
CUAUAGCUAAAAUGGCA
>random_seq_from_cds__NO_7461 RANDOM_LENGTH 71  SEQ_LENGTH    61
   GC_CONTENT    0.426229508196721    BASEPAIR  19  FREE_ENERGY
   -17.30 LEN_BP_RATIO  3.21052631578947
UCUCUUCUCCUUCCUGCUCAGAAUAAAGACUUCCCUUCUCCAUGAAGAAGUGAGCUUAGUUGAGA
AGAAAC
>random_seq_from_cds__NO_7465 RANDOM_LENGTH 87  SEQ_LENGTH    79
   GC_CONTENT    0.493670886075949    BASEPAIR  29  FREE_ENERGY
   -20.10 LEN_BP_RATIO  2.72413793103448
GAGAGAAAACCCCCGCCGCUUUGUCAUCUUCCCCAUCGAGUACCAUGAUAUCUGGCAGAUGUAUA
AGAAGGCAGAGGCUUCCUUUUG
>random_seq_from_cds__NO_7476 RANDOM_LENGTH 72  SEQ_LENGTH    62
   GC_CONTENT    0.451612903225806    BASEPAIR  21  FREE_ENERGY
   -16.40 LEN_BP_RATIO  2.95238095238095
AGAGGAUGGGAGUGAUGUCAAGUCCAACAGAGAAUUCUUUUACCUUGGAUGCUGACUUCUAAUCU
ACACAUU
>random_seq_from_cds__NO_7490 RANDOM_LENGTH 79  SEQ_LENGTH    62
   GC_CONTENT    0.5 BASEPAIR  22  FREE_ENERGY   -19.00 LEN_BP_RATIO
   2.81818181818182
AAUCCUGUCCCGGUAGCAGCAAGGGUCUUCACGAUGGCUUUGCUAUCAUUACAUUUGACUGCAUA
AAAGGGGGUGACAC
>random_seq_from_cds__NO_7503 RANDOM_LENGTH 85  SEQ_LENGTH    79
   GC_CONTENT    0.759493670886076    BASEPAIR  29  FREE_ENERGY
   -38.40 LEN_BP_RATIO  2.72413793103448
AGGCUGCGGGCACGCAGGGGCUGGCACACGGCUAGGCAGCGCUCGGCGCUCAGGCCUGCCACGCU
CAGCACCGUGGCGUAGGCGC
>random_seq_from_cds__NO_7511 RANDOM_LENGTH 77  SEQ_LENGTH    72
   GC_CONTENT    0.638888888888889    BASEPAIR  22  FREE_ENERGY
   -21.20 LEN_BP_RATIO  3.27272727272727
UGCCAGCUGAAAAGGGGCUCUGUGGACAGGAUGAGAGGCCUGGACCCCAGCACGCCAGCCCAAGU
GAUCGCUCCCAG
>random_seq_from_cds__NO_7520 RANDOM_LENGTH 73  SEQ_LENGTH    55
   GC_CONTENT    0.490909090909091    BASEPAIR  21  FREE_ENERGY
   -18.40 LEN_BP_RATIO  2.61904761904762
CAGCAAACAAGACGGAUUCUCCUUCCAGGAAAAGAGGAUAAACGAAGCCGACAUCUUGGUGCUGA
CGGCGUCU
>random_seq_from_cds__NO_7534 RANDOM_LENGTH 99  SEQ_LENGTH    86
   GC_CONTENT    0.383720930232558    BASEPAIR  29  FREE_ENERGY
   -15.10 LEN_BP_RATIO  2.96551724137931
UUGAAAAGAAGCCAGAAAAGUUUAAAGUCCAGUGUUUGACAGACAUCAAAAACCUGUUUUCCCC
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AACACAGAACCCUUUUAUGCUGCUUUUGGAAACC
>random_seq_from_cds__NO_7547 RANDOM_LENGTH 81  SEQ_LENGTH    72
    GC_CONTENT    0.597222222222222    BASEPAIR   25  FREE_ENERGY
    -21.20 LEN_BP_RATIO  2.88
GGCCAUCAUCUUGAGGGACGCCAUGUCUGCCCGGUCCACGCCCACAGCAUAGAGCUCAAUACCAG
AUGCUUGGGCCCGAGC
>random_seq_from_cds__NO_7548 RANDOM_LENGTH 81  SEQ_LENGTH    66
    GC_CONTENT    0.606060606060606    BASEPAIR   22  FREE_ENERGY
    -24.80 LEN_BP_RATIO  3
CGCCACCUCAUUCACCUGGUCCUGGGGCCUCCCAUCUGUAACAAUGAUGGCCACCUUAGGGAUGU
UAGAAGAGGGCUCUCG
>random_seq_from_cds__NO_7549 RANDOM_LENGTH 82  SEQ_LENGTH    70
    GC_CONTENT    0.6 BASEPAIR   27  FREE_ENERGY   -28.10 LEN_BP_RATIO
    2.59259259259259
AGCCCCUGCCUCCACUGUGAAGGCUUCGUCCAUUGCUGUCUGGAUGGCUAGGCCUGACAUGGUGC
CUGUUGACAAGGGUGUG
>random_seq_from_cds__NO_7553 RANDOM_LENGTH 99  SEQ_LENGTH    87
    GC_CONTENT    0.839080459770115    BASEPAIR   35  FREE_ENERGY
    -57.30 LEN_BP_RATIO  2.48571428571429
GGCGGCGUCCAGGGCUGCCCCCGGGACCUCGGGUCUCCAGCCUCCGGAAGCCCGGGCGGGCCACG
GGGUCGGGGGCGGCGGAGGGCAGCAGCAGCAGCG
>random_seq_from_cds__NO_7554 RANDOM_LENGTH 89  SEQ_LENGTH    77
    GC_CONTENT    0.662337662337662    BASEPAIR   24  FREE_ENERGY
    -34.70 LEN_BP_RATIO  3.20833333333333
GCCAGAGCAGCAGGAGGAGUCCCGGGAGGCGGCGCGCGGGGGCCGGGCGCGGCAUAUUAGAGGAU
GAUAGUAAGUUCUCCUGGAGCAAG
>random_seq_from_cds__NO_7560 RANDOM_LENGTH 110 SEQ_LENGTH    96
    GC_CONTENT    0.385416666666667    BASEPAIR   29  FREE_ENERGY
    -19.43 LEN_BP_RATIO  3.31034482758621
GGCACUGACAAUAUAUUCAGAAUGGAAGUCCUUAAGAGCAACUAACAGGUUCUUGAUCAGACUGA
CUAUCUUUUCUUCAAGUUCAUAAUAUUUCACUGUCCAGCCAACUA
>random_seq_from_cds__NO_7568 RANDOM_LENGTH 89  SEQ_LENGTH    75
    GC_CONTENT    0.453333333333333    BASEPAIR   23  FREE_ENERGY
    -17.39 LEN_BP_RATIO  3.26086956521739
AAUUCUUGAGUAACUCGUACCAAGCCAUCAAACACGUUAUCCUUGAGUCCCUGGAAACUGGCUUG
GCCUUCCUGAGUCAACAGUUCCUG
>random_seq_from_cds__NO_7570 RANDOM_LENGTH 78  SEQ_LENGTH    60
    GC_CONTENT    0.5 BASEPAIR   20  FREE_ENERGY   -18.50 LEN_BP_RATIO
    3
AAACCCACUCAGCAUUGUUCUGCAGAUUUCUUCUCAGCUUUGAAGACACUUCUCUCAGGGUGAGC
CCUGUGUGUUCCC
>random_seq_from_cds__NO_7571 RANDOM_LENGTH 79  SEQ_LENGTH    71
    GC_CONTENT    0.47887323943662 BASEPAIR   25  FREE_ENERGY
    -24.30 LEN_BP_RATIO  2.84
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AGUGGUACUUGUUGACAUAAUCAUAAAGGACCCCUGUGGCCUUGGGCACGUUGUCUUUCAGAGAG
GUUAGCAAGCCAGA
>random_seq_from_cds__NO_7574 RANDOM_LENGTH 80  SEQ_LENGTH    63
    GC_CONTENT    0.619047619047619    BASEPAIR  25  FREE_ENERGY
    -23.90 LEN_BP_RATIO  2.52
CGUCAUCUUCAUCCAUAUCCAUGCCCACGGUGCCUACGGCUGGGGAGGCUGCUGAGGUGGAGAUG
CCUUUCUUGUCUUUC
>random_seq_from_cds__NO_7576 RANDOM_LENGTH 92  SEQ_LENGTH    65
    GC_CONTENT    0.430769230769231    BASEPAIR  26  FREE_ENERGY
    -15.60 LEN_BP_RATIO  2.5
UUGCCAUCUUCUUCAUAUUCUGCACUGAAGUCACGGUGUGCAAAUGUUCCUUUAGUCUUAGAGGC
UAACGUACCAUCUUCGAUUUUGUGUGU
>random_seq_from_cds__NO_7586 RANDOM_LENGTH 102 SEQ_LENGTH    91
    GC_CONTENT    0.428571428571429    BASEPAIR  33  FREE_ENERGY
    -28.00 LEN_BP_RATIO  2.75757575757576
AAGCUCUUGUCAUAGACUGGUAGGAUGAUAUUUUUGAGGAACCUUAGGUGUCCUUCUAAGGAUCC
UGCAAUGUCAAGGUGUGCCUUUUCUUGGUCAUUGGAA
>random_seq_from_cds__NO_7592 RANDOM_LENGTH 94  SEQ_LENGTH    66
    GC_CONTENT    0.454545454545455    BASEPAIR  23  FREE_ENERGY
    -18.40 LEN_BP_RATIO  2.8695652173913
CUGAAUAUUCCCGAGAAAGAACCGAACCCUUGACAUCUCCUUUGGUAGAUGACUCAAUGGAAAAG
UAAGAGGUGAGGCUUUCCAAGCUAAGCUU
>random_seq_from_cds__NO_7595 RANDOM_LENGTH 110 SEQ_LENGTH    62
    GC_CONTENT    0.467741935483871    BASEPAIR  25  FREE_ENERGY
    -21.72 LEN_BP_RATIO  2.48
UUUUUCGUGGUUAAGCUCACAGUACUGUUAUGACUACCCUCCACAAAUUUGUUGCUCAGAGACAG
AGCUGUGGCUAACUUCAAUCCCCUUUUUCUUGUCAAUCUUGUGGU
>random_seq_from_cds__NO_7612 RANDOM_LENGTH 87  SEQ_LENGTH    76
    GC_CONTENT    0.5 BASEPAIR  28  FREE_ENERGY   -23.00 LEN_BP_RATIO
    2.71428571428571
CUGAGAAUCUGGGGCAGGCCCAUUUCCAUGACCCUUUUCCAGAAGAAGUCCAUGCUAUGUGGCCA
GCUUUCAACAGUGUCUUGAUCU
>random_seq_from_cds__NO_7613 RANDOM_LENGTH 84  SEQ_LENGTH    78
    GC_CONTENT    0.448717948717949    BASEPAIR  25  FREE_ENERGY
    -19.50 LEN_BP_RATIO  3.12
CGUUGCGCAGGUCAGCCUGACUAGAGAAGUCCAGUUUGGGGAUGUUCAAUUUGUGGAAGUAUUUA
GUGUUGCUAUCCAGGGUAA
>random_seq_from_cds__NO_7627 RANDOM_LENGTH 84  SEQ_LENGTH    63
    GC_CONTENT    0.412698412698413    BASEPAIR  22  FREE_ENERGY
    -16.40 LEN_BP_RATIO  2.86363636363636
GCCAAAGAUGCUGAACUUAAAGCCUCCUGUAACCAAUUGAUGAUUAAGGUUAUUUUGGUGUCCUG
UAGGCUUUCCAGAUACACU
>random_seq_from_cds__NO_7638 RANDOM_LENGTH 92  SEQ_LENGTH    80
    GC_CONTENT    0.3 BASEPAIR  25  FREE_ENERGY   -15.40 LEN_BP_RATIO
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    3.2
CAUUAAAGUUGAUUUUGGCAUCAUCUAAUGCAAUUUGUAUAUCAUUUUCUGUAAUUCUAUACUUU
UUUGUGAGAGCAGUCAGUUUCUCCUUG
>random_seq_from_cds__NO_7641 RANDOM_LENGTH 100 SEQ_LENGTH    67
    GC_CONTENT    0.373134328358209    BASEPAIR   23  FREE_ENERGY
    -19.30 LEN_BP_RATIO  2.91304347826087
UUGCAAGGUCUCAAAAAAUGGGAGGUUAAUGGAGUGAACAUCUUGGUUUUUAUCAUACUUUACAA
AAGCAACAAUUGUAAAUUCUUGGGGCUUCUCAACG
>random_seq_from_cds__NO_7644 RANDOM_LENGTH 75  SEQ_LENGTH    59
    GC_CONTENT    0.542372881355932    BASEPAIR   20  FREE_ENERGY
    -21.20 LEN_BP_RATIO  2.95
GUUGUUAAAUUGGGUCUUGAGUUUCCAGGUGCCUGUCUGCUCAGCUGGAGUAAGCAGGGCACUGA
CUUUGUGUUC
>random_seq_from_cds__NO_7673 RANDOM_LENGTH 82  SEQ_LENGTH    77
    GC_CONTENT    0.558441558441558    BASEPAIR   29  FREE_ENERGY
    -24.10 LEN_BP_RATIO  2.6551724137931
UCCAUUUGGAGAAGCAGUUUGGCAGGCGACCAGUGGGCGAGGAUCUCACUUCUGGCUUCUGCUUG
CAAACGGGGUAUGGAAA
>random_seq_from_cds__NO_7677 RANDOM_LENGTH 90  SEQ_LENGTH    78
    GC_CONTENT    0.525641025641026    BASEPAIR   22  FREE_ENERGY
    -22.87 LEN_BP_RATIO  3.54545454545455
UGCUUCGCACCCUUCUGCUUGAGUUACAAACUUCAGGGUAUCCACCAAGGCUCUGUCCUCUCUCU
GGAGCUCAUAGGUUGCGCUGACAGA
>random_seq_from_cds__NO_7683 RANDOM_LENGTH 75  SEQ_LENGTH    63
    GC_CONTENT    0.53968253968254 BASEPAIR   20  FREE_ENERGY
    -17.30 LEN_BP_RATIO  3.15
CUUGGCUCCGGGAGCAAUGACUCCAGAUGAAGAUAUUUGCAACUGUAAUCCAGCUCCAGUGGGGA
GUUCAAAGGC
>random_seq_from_cds__NO_7690 RANDOM_LENGTH 83  SEQ_LENGTH    68
    GC_CONTENT    0.352941176470588    BASEPAIR   27  FREE_ENERGY
    -16.70 LEN_BP_RATIO  2.51851851851852
UAUUUGGAUCAAAUAUAAGAUUCCCUUCUAUUUUGGCUGAGGCUGGGUCAAGUGAUGGAAGAGAA
ACAGAUUUGUAGAGUUGA
>random_seq_from_cds__NO_7694 RANDOM_LENGTH 81  SEQ_LENGTH    68
    GC_CONTENT    0.529411764705882    BASEPAIR   25  FREE_ENERGY
    -22.10 LEN_BP_RATIO  2.72
UCUGAAGAAGAACCUCCUGGUCCCUUGUCUUUAGGCUCCAUUUUCCGCAGAGCCUGGAUGGCAGC
UUUCUGGAUCAUCAGU
>random_seq_from_cds__NO_7695 RANDOM_LENGTH 85  SEQ_LENGTH    66
    GC_CONTENT    0.454545454545455    BASEPAIR   25  FREE_ENERGY
    -21.70 LEN_BP_RATIO  2.64
GAUGGCUUUGUACUUUGGACACAUUUCAGGAUUGAAGACUUGAGUUCUGGAGUUAACUGCUCCAU
GGUUUGGCCCAUAUUUCCAA
>random_seq_from_cds__NO_7709 RANDOM_LENGTH 70  SEQ_LENGTH    55
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   GC_CONTENT   0.581818181818182   BASEPAIR  23  FREE_ENERGY
   -31.70 LEN_BP_RATIO  2.39130434782609
CUGGCUGGUCUUCAGGAUGAAGCUGCAGAGCUGGGGAACCUCCAGCUCAACCCUUGCAGUUGAUC
CUGGU
>random_seq_from_cds__NO_7711 RANDOM_LENGTH 80  SEQ_LENGTH   61
   GC_CONTENT   0.655737704918033   BASEPAIR  19  FREE_ENERGY
   -21.80 LEN_BP_RATIO  3.21052631578947
GUGCUUGAAUCGGGUCGCAUCUUCUUGGACAGACCAGGCUGACAUUUUCCAGCAUUUCCUCUUCC
GGCCCUGGCGCCCGC
>random_seq_from_cds__NO_7713 RANDOM_LENGTH 67  SEQ_LENGTH   55
   GC_CONTENT   0.563636363636364   BASEPAIR  19  FREE_ENERGY
   -21.70 LEN_BP_RATIO  2.89473684210526
UGACAGAGGGGCCAUUGGGGAAGGUGGCUAGCUUAUCCCGCCCCUUCAAGAAGAAGGUCAGCAGC
UC
>random_seq_from_cds__NO_7719 RANDOM_LENGTH 67  SEQ_LENGTH   60
   GC_CONTENT   0.416666666666667   BASEPAIR  22  FREE_ENERGY
   -17.00 LEN_BP_RATIO  2.72727272727273
GAUUUCAUUGAGGAAACGCAGACACUCAAUACCACCAUUGUUGAUGCUCUCCUCUGUGUAGAAGU
CA
>random_seq_from_cds__NO_7730 RANDOM_LENGTH 70  SEQ_LENGTH   58
   GC_CONTENT   0.637931034482759   BASEPAIR  22  FREE_ENERGY
   -21.60 LEN_BP_RATIO  2.63636363636364
CCAGGGCCGUGCAGAGCAGGACGACGCAGGAGCAGCUGAAGGCAGCCCCACUCUGCUUCUCCUUC
UCCAC
>random_seq_from_cds__NO_7733 RANDOM_LENGTH 82  SEQ_LENGTH   68
   GC_CONTENT   0.676470588235294   BASEPAIR  24  FREE_ENERGY
   -33.10 LEN_BP_RATIO  2.83333333333333
GCGCAGCCUCCGGCGUGGGUUGGGGAAUGAGGGGUUGUCGGCCCUGGGCAUCCUGCUCCUCGGGC
UUCUCCGACGUGGACCC
>random_seq_from_cds__NO_7734 RANDOM_LENGTH 71  SEQ_LENGTH   55
   GC_CONTENT   0.636363636363636   BASEPAIR  20  FREE_ENERGY
   -26.90 LEN_BP_RATIO  2.75
ACUGCUGUGGGCACUCCCGUUGGGCUCCUUGGUCUCAAUGAGGGCAGGGGAGCUGGACUUUGAGG
AAGCUG
>random_seq_from_cds__NO_7742 RANDOM_LENGTH 78  SEQ_LENGTH   66
   GC_CONTENT   0.575757575757576   BASEPAIR  19  FREE_ENERGY
   -16.20 LEN_BP_RATIO  3.47368421052632
GAACUGCUGCUGGUCCUUCUGGCUCUCGUCUUUCUUCAUGUCUUUCAGCAUCUCGUCAGCCACGU
GCUUGGGCAGGAU
>random_seq_from_cds__NO_7744 RANDOM_LENGTH 89  SEQ_LENGTH   71
   GC_CONTENT   0.619718309859155   BASEPAIR  21  FREE_ENERGY
   -18.90 LEN_BP_RATIO  3.38095238095238
GUAGUAGGACAUGAUGCCCACAGCGAUGGCGCACAGGUAGAGGAAGACGUUGGCCAGGAUCCUCC
CGCAGCAGCUGCAUCCCCUUGAGC
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>random_seq_from_cds__NO_7750 RANDOM_LENGTH 72  SEQ_LENGTH    57
    GC_CONTENT    0.614035087719298    BASEPAIR  20  FREE_ENERGY
    -20.80 LEN_BP_RATIO  2.85
CAGCACCAGCAGGGUCUCGUGGCGCUGCCUUUUGAAGUAGGUCUGGUAGAGGUUCUCCAAGGACU
CCGGCAC
>random_seq_from_cds__NO_7764 RANDOM_LENGTH 71  SEQ_LENGTH    52
    GC_CONTENT    0.596153846153846    BASEPAIR  20  FREE_ENERGY
    -17.80 LEN_BP_RATIO  2.6
UGCACUUCCAGUCCAUGUGCUCGUGCCUGUGGUACAAGAGCCGCGAGAAGCUGCAGUACUCCAUC
CCCAUG
>random_seq_from_cds__NO_7767 RANDOM_LENGTH 75  SEQ_LENGTH    58
    GC_CONTENT    0.827586206896552    BASEPAIR  21  FREE_ENERGY
    -30.60 LEN_BP_RATIO  2.76190476190476
CGUGUGACAUGGGCCCGCGCCGCCGGAGCCGAAAGCCCGAGGCCCCGAGGAGGCGCAGCCCGAGC
CCGACCCCGA
>random_seq_from_cds__NO_7839 RANDOM_LENGTH 84  SEQ_LENGTH    72
    GC_CONTENT    0.666666666666667    BASEPAIR  25  FREE_ENERGY
    -27.70 LEN_BP_RATIO  2.88
UCGGAGGAAGGACUUGAGGUCUCCCCCCGCCAUGAGCUCCAGCAGGAUGAACCGGGGCAGGGAUU
GCAGGCUCACCCCAAUGCA
>random_seq_from_cds__NO_7843 RANDOM_LENGTH 72  SEQ_LENGTH    56
    GC_CONTENT    0.607142857142857    BASEPAIR  22  FREE_ENERGY
    -23.60 LEN_BP_RATIO  2.54545454545455
CAGCUUGUACUCAGGGCUCUGCAGCUCCAUCUGCAUGGCUUGCAGCUCCUGGUGCUUCCGGCGGU
ACACCAA
>random_seq_from_cds__NO_7845 RANDOM_LENGTH 84  SEQ_LENGTH    60
    GC_CONTENT    0.666666666666667    BASEPAIR  19  FREE_ENERGY
    -28.30 LEN_BP_RATIO  3.15789473684211
GUGGCUCCGGGGUGGGUGACACCAAUGCAGGAGACGCCAUCCUCAGCCAGCACCGUCCCGUGGUC
ACAGAAGCAGAUGACCUUG
>random_seq_from_cds__NO_7864 RANDOM_LENGTH 72  SEQ_LENGTH    56
    GC_CONTENT    0.571428571428571    BASEPAIR  19  FREE_ENERGY
    -18.40 LEN_BP_RATIO  2.94736842105263
AGUCCUGGUGGAAGUCACAGGCCUGCCCAAGCUGGAGGACUGUCCCAUUCCAACAAGUGAAGGAG
CUCUGCA
>random_seq_from_cds__NO_7866 RANDOM_LENGTH 85  SEQ_LENGTH    66
    GC_CONTENT    0.545454545454545    BASEPAIR  25  FREE_ENERGY
    -27.70 LEN_BP_RATIO  2.64
UCCACUGGAGAUGUAUUCCAGGGCCACUCGAAAUGGGUUGUCUGGACGCCCGAUUCUUCCCUGGA
GCACUGUCCAACCCAUGCUU
>random_seq_from_cds__NO_7869 RANDOM_LENGTH 81  SEQ_LENGTH    72
    GC_CONTENT    0.597222222222222    BASEPAIR  27  FREE_ENERGY
    -31.00 LEN_BP_RATIO  2.66666666666667
UGCUUGGAGUCAGCUGAGGUGUUGAGAAGGAGAAAGGAGCCCUCUGGGCAUCUCCUUAGAACGCU
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CUGCCCCAGGCCCAUC
>random_seq_from_cds__NO_7873 RANDOM_LENGTH 86  SEQ_LENGTH    76
    GC_CONTENT    0.671052631578947   BASEPAIR  27  FREE_ENERGY
    -36.00 LEN_BP_RATIO  2.81481481481481
CCCGAAGAUCUGGAAGAGAAGGCGGGGCUGGGAGGCGCGAAUUGCCGCGGACAGCCUUCCCUCUC
UGCCCACUUCCGACGCCUUCU
>random_seq_from_cds__NO_7881 RANDOM_LENGTH 84  SEQ_LENGTH    70
    GC_CONTENT    0.528571428571429   BASEPAIR  29  FREE_ENERGY
    -26.20 LEN_BP_RATIO  2.41379310344828
AGGGUUUGCAGUUUUCUGGGACACCAGUGACACACCAGGGUGGUGAACUUGUCCACGCAGGCAUU
GCGGAUCUUCUCCGGGGUG
>random_seq_from_cds__NO_7890 RANDOM_LENGTH 78  SEQ_LENGTH    69
    GC_CONTENT    0.623188405797101   BASEPAIR  23  FREE_ENERGY
    -23.10 LEN_BP_RATIO  3
GAGCUCUACUGGCCACCCUGGACCAUUUUGGUAUGAAGGCCUUGGCCCAUCUCAGUCCCCCCGUG
GGUCAGCAGCACA
>random_seq_from_cds__NO_7893 RANDOM_LENGTH 71  SEQ_LENGTH    60
    GC_CONTENT    0.533333333333333   BASEPAIR  24  FREE_ENERGY
    -21.60 LEN_BP_RATIO  2.5
GAUACUGAGAGCUUGCUAGGCAUUCUUCCCAGCAUCUGGGCAAGGUGAAACCCUCAAGCUUCUGG
UUGAAG
>random_seq_from_cds__NO_7901 RANDOM_LENGTH 96  SEQ_LENGTH    89
    GC_CONTENT    0.49438202247191 BASEPAIR   32  FREE_ENERGY
    -21.80 LEN_BP_RATIO  2.78125
UUGGAACAGCAAUGGUGCAGUGAGUCUCCAGGUAGAAGUGCUCUUGGCCACCGAUGUAUAUCUCC
CCCUGACACAACAUUAUCUGCUUCGGAAAAC
>random_seq_from_cds__NO_7929 RANDOM_LENGTH 66  SEQ_LENGTH    49
    GC_CONTENT    0.387755102040816   BASEPAIR  19  FREE_ENERGY
    -15.50 LEN_BP_RATIO  2.57894736842105
UUUUUUUCUCAUAAGGAAUGACUGUAGUCAAAUACUGUGCCGGGCAUAUGACUUCUCUCAUUCUU
C
>random_seq_from_cds__NO_7932 RANDOM_LENGTH 89  SEQ_LENGTH    59
    GC_CONTENT    0.457627118644068   BASEPAIR  20  FREE_ENERGY
    -15.66 LEN_BP_RATIO  2.95
GCACCAGCUCCUCAGAGUACUCCUUAAUGGCAGUCUCAAUUUCUUCCAGGAUUUCAUUUAACUCA
GACACUGAGAGCCUUUUCACUCCU
>random_seq_from_cds__NO_7933 RANDOM_LENGTH 87  SEQ_LENGTH    74
    GC_CONTENT    0.445945945945946   BASEPAIR  25  FREE_ENERGY
    -15.10 LEN_BP_RATIO  2.96
CUCUUCAUAACUGCCGGUACUAGACCUCUUGAGAGUUUGAAUUUCCUGGGAAAGCAUUGAAAGCC
GAUCUGACUGUGUAGGGGUUUC
>random_seq_from_cds__NO_7934 RANDOM_LENGTH 109 SEQ_LENGTH    93
    GC_CONTENT    0.451612903225806   BASEPAIR  29  FREE_ENERGY
    -24.42 LEN_BP_RATIO  3.20689655172414
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AUCAUCUUCUGGGUCCGGUGAUUCCUGCAUCAUUUCUUCAAUUUCUUCAAUAACCCUGGUCUGCC
GUGAAGAGGGGUUCAUCAUUAACACAGGAGACGAUGAUUGAGUG
>random_seq_from_cds__NO_7948 RANDOM_LENGTH 94  SEQ_LENGTH    85
   GC_CONTENT    0.588235294117647   BASEPAIR  32  FREE_ENERGY
   -27.60 LEN_BP_RATIO  2.65625
GGGGGGCGGCCCCGGGCCGAAGGCUUUCGCAGUGCCUCAAGAACUUGUCCAGGAUGAAGUUGCUG
AAGUUGCGGUUGAGCUGCUCGAAUUCGCG
>random_seq_from_cds__NO_7951 RANDOM_LENGTH 95  SEQ_LENGTH    89
   GC_CONTENT    0.786516853932584   BASEPAIR  34  FREE_ENERGY
   -47.50 LEN_BP_RATIO  2.61764705882353
GGCGCCGUCCGCGCUGCCGCGCACCAGCAGCGCCACCAGCUCGCGCGCCUCGCUCAGCACGUGGC
CCUCGAGGACUUGGCGGCUGCGCGGCUGGC
>random_seq_from_cds__NO_7955 RANDOM_LENGTH 80  SEQ_LENGTH    65
   GC_CONTENT    0.815384615384615   BASEPAIR  22  FREE_ENERGY
   -36.50 LEN_BP_RATIO  2.95454545454545
CCGCCUGGCCCACCGCCGCCGCGUUUCCGAUCAGUGGCCACGCAAACGGGCCCGGGGGCGCGGAC
CGGAGCUGCCGCCUC
>random_seq_from_cds__NO_7958 RANDOM_LENGTH 88  SEQ_LENGTH    79
   GC_CONTENT    0.721518987341772   BASEPAIR  28  FREE_ENERGY
   -37.60 LEN_BP_RATIO  2.82142857142857
GCAGGCGGCGGCCAGGGUCGAGGCUGGGAGACUCAGAGCCGCUGAGGCUGCCGGAGCUCAGGGAG
CCGCUUAGGUAGCUGUCGCGGUC
>random_seq_from_cds__NO_7963 RANDOM_LENGTH 80  SEQ_LENGTH    68
   GC_CONTENT    0.838235294117647   BASEPAIR  24  FREE_ENERGY
   -47.60 LEN_BP_RATIO  2.83333333333333
GUCCUCGGCGCCCCCGGUGCCGUACAGCAGAGCGGCCGCAGCCGCGGCCGCCGCGGAGGCGCAGC
AUGUCGGGGCGCCCG
>random_seq_from_cds__NO_7969 RANDOM_LENGTH 71  SEQ_LENGTH    57
   GC_CONTENT    0.684210526315789   BASEPAIR  19  FREE_ENERGY
   -23.30 LEN_BP_RATIO  3
GAAGGGCCGGCACAGCUCGGUCUUGUAGCGCGUGGAGUUGAUCUGGGAGCCGCCGCCCCCCUUCU
GCUGCU
>random_seq_from_cds__NO_7976 RANDOM_LENGTH 85  SEQ_LENGTH    79
   GC_CONTENT    0.417721518987342   BASEPAIR  26  FREE_ENERGY
   -22.40 LEN_BP_RATIO  3.03846153846154
UGGGCAGGUUUUCUCAAUGAAUUGAAUUCCUUGAGUGAAGGCACACAUUGGAUUAGUUGUCACAG
AAACAUUUGAGCUGCCCACA
>random_seq_from_cds__NO_7986 RANDOM_LENGTH 98  SEQ_LENGTH    89
   GC_CONTENT    0.393258426966292   BASEPAIR  31  FREE_ENERGY
   -17.80 LEN_BP_RATIO  2.87096774193548
UUCAAAGUUUUAUGACAAAUUGCUGAUUUCUUGUAGGCAGAUUCUAUCAUCUGGACUCUCUUGGA
GGUUUCUAUUUCCCGUUCCUUGCUUUGGGUAUC
>random_seq_from_cds__NO_7997 RANDOM_LENGTH 89  SEQ_LENGTH    76
   GC_CONTENT    0.605263157894737   BASEPAIR  26  FREE_ENERGY
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    -31.20 LEN_BP_RATIO  2.92307692307692
GGAGCUCUGGGAGCCUCUGUUUACUUGGAGACCCAUGGACCCUCCGGGGGUCAAAGAUGAGAGGU
CACCCAUCAUGGCGCCCCCGCAGG
>random_seq_from_cds__NO_7998 RANDOM_LENGTH 78  SEQ_LENGTH    70
    GC_CONTENT    0.614285714285714    BASEPAIR  25  FREE_ENERGY
    -27.10 LEN_BP_RATIO  2.8
UCCUCGCGUUCGGGCUUCUGCUUGCCGCGGCGACGGCGACUUUUGCCGCAGCUCAGGAAGGAAUG
UGUCUGUGAAAAC
>random_seq_from_cds__NO_8009 RANDOM_LENGTH 71  SEQ_LENGTH    52
    GC_CONTENT    0.673076923076923    BASEPAIR  21  FREE_ENERGY
    -24.60 LEN_BP_RATIO  2.47619047619048
AGGAGACGCUGCAGUUGGAGAGCGCGGCCGAGGUCGGCUUCGUGCGCUUCUUUCAGGGCAUGCCG
GAGAAG
>random_seq_from_cds__NO_8034 RANDOM_LENGTH 81  SEQ_LENGTH    66
    GC_CONTENT    0.53030303030303 BASEPAIR  21  FREE_ENERGY
    -23.04 LEN_BP_RATIO  3.14285714285714
GUCAGCAGAAGUGUCCAUUGUGGACUGCAUCUUAGCCCGAGUAGGGGCUGGUGACAGUCAAUUGA
AAGGAGUCUCCACGUU
>random_seq_from_cds__NO_8038 RANDOM_LENGTH 110 SEQ_LENGTH    92
    GC_CONTENT    0.402173913043478    BASEPAIR  30  FREE_ENERGY
    -24.42 LEN_BP_RATIO  3.06666666666667
UAACUAUGCUUUAUCAGGUGAAGAAAGGGUGUCUGUGAUCAAAGUUUUGGGAUUCAUGUUGCAGA
GCUUGCUAAUUUCCCUAAGCAUGUAAUAGAGUGUGCUAAACAGAA
>random_seq_from_cds__NO_8049 RANDOM_LENGTH 94  SEQ_LENGTH    81
    GC_CONTENT    0.802469135802469    BASEPAIR  32  FREE_ENERGY
    -48.10 LEN_BP_RATIO  2.53125
GGUACACCGAGGGCUUCCAGCCCGCCAGGCUGUCGGCCUCCGAGAGCGCGGAGCCGCGGCGGAAG
GUGGCGGGCAGCAGGCCGCUGCGGCGCAG
>random_seq_from_cds__NO_8051 RANDOM_LENGTH 69  SEQ_LENGTH    57
    GC_CONTENT    0.666666666666667    BASEPAIR  22  FREE_ENERGY
    -29.50 LEN_BP_RATIO  2.59090909090909
AGCCCGUAGGCGAUGAGGAAGGCCUUCCCGCCCACCGUCGCGGGGGUGGUCAUGCCGAAACCCUA
UGGU
>random_seq_from_cds__NO_8076 RANDOM_LENGTH 86  SEQ_LENGTH    77
    GC_CONTENT    0.467532467532468    BASEPAIR  24  FREE_ENERGY
    -20.50 LEN_BP_RATIO  3.20833333333333
UGCCGGUUUGAGCUGAUGCGUUUCAAGACUUUGUAUAAUGGGGAUAAUCUUCCCUUUUCCUUGAA
GUCUGUAGUGGUUGUCCAGGG
>random_seq_from_cds__NO_8079 RANDOM_LENGTH 63  SEQ_LENGTH    46
    GC_CONTENT    0.434782608695652    BASEPAIR  19  FREE_ENERGY
    -19.20 LEN_BP_RATIO  2.42105263157895
UGUCUGGGGAGUUUACAGGAACUUGAAUCUGAACCUGUCAUUCAAGUCACUGUGGGGUCAGCA
>random_seq_from_cds__NO_8096 RANDOM_LENGTH 110 SEQ_LENGTH    98
    GC_CONTENT    0.418367346938776    BASEPAIR  31  FREE_ENERGY
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    -21.50 LEN_BP_RATIO  3.16129032258065
GAAGGUACCUGAAGAAGAAGCUGACAGUAUUUCAAAUGAGGAUUCAGCCACAAACAGUAGUGAUA
AUGAAGACCCUCAAGUAAACAUUGUAGAAGAGGGACCCUUUAAAU
>random_seq_from_cds__NO_8115 RANDOM_LENGTH 110 SEQ_LENGTH    84
    GC_CONTENT    0.357142857142857   BASEPAIR  27  FREE_ENERGY
    -19.02 LEN_BP_RATIO  3.11111111111111
AAAUUGUGGACAACUUUUGGGGUAAAGUCACAAAAGAAGGAAAAUUUGUUGAAAGUGCUGUGAUA
ACUCAAAUUUAUUGCCUCUGCUUUGUGAAUGGGAACCUGGAAUGC
>random_seq_from_cds__NO_8134 RANDOM_LENGTH 82  SEQ_LENGTH    68
    GC_CONTENT    0.426470588235294   BASEPAIR  24  FREE_ENERGY
    -19.00 LEN_BP_RATIO  2.83333333333333
GCAUAAUCAGAAUGGCAUGUCUUAAUCGCAGCUUUUGGUCCAGGUGAAUAGCAUAGGUGAUGGUG
UGCCAUCUUUCUAGAGU
>random_seq_from_cds__NO_8143 RANDOM_LENGTH 70  SEQ_LENGTH    54
    GC_CONTENT    0.592592592592593   BASEPAIR  19  FREE_ENERGY
    -23.70 LEN_BP_RATIO  2.84210526315789
CCAUAGCUCGGCAGGGCCUGCAAUUUGGUGGAAGAAAUAUCCCAAGGUUUUCGGCCCUGUGGCCC
CACGG
>random_seq_from_cds__NO_8150 RANDOM_LENGTH 67  SEQ_LENGTH    51
    GC_CONTENT    0.823529411764706   BASEPAIR  19  FREE_ENERGY
    -29.40 LEN_BP_RATIO  2.68421052631579
CAGCGCAGGGCGCCGUCGGGCACGCAGUUGCAGGGCUCAGGGCAGAGCGCCUCGCGCAGCGCUCG
UG
>random_seq_from_cds__NO_8151 RANDOM_LENGTH 70  SEQ_LENGTH    55
    GC_CONTENT    0.727272727272727   BASEPAIR  22  FREE_ENERGY
    -33.20 LEN_BP_RATIO  2.5
GCAGCGGCGGCUGCAGCAGCAGCAGCAGCUUCAGCAGCUGCAGCGCCGAGAACCGCUGCUUCAUC
AUGUC
>random_seq_from_cds__NO_8197 RANDOM_LENGTH 86  SEQ_LENGTH    50
    GC_CONTENT    0.56   BASEPAIR  19  FREE_ENERGY   -18.38
    LEN_BP_RATIO  2.63157894736842
GAGAACUGCAUCCAACAGAGGGGGAACAAAAUUUUCAGCGACCCAUCUGUGGAUCAUUGGAUCGG
CUCACCCAACCAGAUAUUAAC
>random_seq_from_cds__NO_8201 RANDOM_LENGTH 77  SEQ_LENGTH    52
    GC_CONTENT    0.346153846153846   BASEPAIR  19  FREE_ENERGY
    -16.50 LEN_BP_RATIO  2.73684210526316
AUUAUACUAUCCCACACUUGAUUAGGGAGUAACAUGUACUUUUCUAUCAAGUGUUCUUGUACUGU
UUGAUCUGUUUG
>random_seq_from_cds__NO_8237 RANDOM_LENGTH 87  SEQ_LENGTH    70
    GC_CONTENT    0.485714285714286   BASEPAIR  22  FREE_ENERGY
    -17.50 LEN_BP_RATIO  3.18181818181818
UUCCCCUCCUGAAAGGAUGUCAUCGCAACAGAUAAAGAAGACGUUGCCUUCAAAGACCUGGAUGU
GGCCAUUCUUGUGGGCUCCAUG
>random_seq_from_cds__NO_8247 RANDOM_LENGTH 82  SEQ_LENGTH    64
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    GC_CONTENT    0.515625  BASEPAIR  23 FREE_ENERGY   -22.40
    LEN_BP_RATIO 2.78260869565217
AGCCAGCAACUGUAAAGGGAUCACGCUGAGAAUGCCCUGCAAGCAGUCCACUGAGUGGGGCACCU
UGAUCGUUCUUUUUGUG
>random_seq_from_cds__NO_8258 RANDOM_LENGTH 97  SEQ_LENGTH    78
    GC_CONTENT    0.512820512820513   BASEPAIR  28  FREE_ENERGY
    -26.61 LEN_BP_RATIO  2.78571428571429
GCCCCUUCAUGAUCUGCUGGAGUUCCAUCUGGAGUGUUUGCACAGCUCGUCCGGGGUGAUCUCCU
GCAGUUCGUUUAAUUCGAUGGAUAGAAAGACG
>random_seq_from_cds__NO_8264 RANDOM_LENGTH 90  SEQ_LENGTH    74
    GC_CONTENT    0.364864864864865   BASEPAIR  26  FREE_ENERGY
    -15.60 LEN_BP_RATIO  2.84615384615385
GUUUCAGAUUCGAAGUCAUAGCCUUUGCUUUCCCAAAAACUUUUUCAAGUCUUUGUAGUUGGUGA
UGAUUCCAUUGUGAAUAACGAUAAA
>random_seq_from_cds__NO_8265 RANDOM_LENGTH 78  SEQ_LENGTH    60
    GC_CONTENT    0.566666666666667   BASEPAIR  20  FREE_ENERGY
    -18.60 LEN_BP_RATIO  3
UUCCAUUAUUUUUAUCAGAGCGCUGGGGGUGGCUAUUGACAGGACUGGGUUCUCCAUGUGUUGCC
CAACGGGUAUGAG
>random_seq_from_cds__NO_8293 RANDOM_LENGTH 83  SEQ_LENGTH    72
    GC_CONTENT    0.652777777777778   BASEPAIR  23  FREE_ENERGY
    -29.60 LEN_BP_RATIO  3.1304347826087
CUCCGAGGCCUUUGCCACCUCCAACAUUCUGCGGCUGCUGGAGCAGGGCCGGCUGCUCUCUGUGC
CCAGGGCCCCUAGCCUCC
>random_seq_from_cds__NO_8298 RANDOM_LENGTH 85  SEQ_LENGTH    71
    GC_CONTENT    0.577464788732394   BASEPAIR  22  FREE_ENERGY
    -21.96 LEN_BP_RATIO  3.22727272727273
CCGAGAACACAUGCAGGCGGUCACCCGAAACUACAUCACCCACCCCCGUGUCAGCCUACAGGACU
GUGUGCAGCGUGAACGGGCC
>random_seq_from_cds__NO_8300 RANDOM_LENGTH 87  SEQ_LENGTH    74
    GC_CONTENT    0.554054054054054   BASEPAIR  29  FREE_ENERGY
    -26.10 LEN_BP_RATIO  2.55172413793103
UGCUUGAGGUGGCUGGCACCAAGGCGAUUGUUCAGGGUGUUUGAAGGGACAUCAGGGAUCGAUGC
CAGGAAGACCACUUGCGAAUUU
>random_seq_from_cds__NO_8375 RANDOM_LENGTH 89  SEQ_LENGTH    68
    GC_CONTENT    0.338235294117647   BASEPAIR  26  FREE_ENERGY
    -16.60 LEN_BP_RATIO  2.61538461538462
GCCCGAAGACCCUUCUACUUUAGUUACUGUAGAUGAAAUACAAGAUGACAGCAGUGAUUUGCAUU
UAGUGACUUUGGAUGAAGUAACUG
>random_seq_from_cds__NO_8376 RANDOM_LENGTH 110 SEQ_LENGTH    59
    GC_CONTENT    0.355932203389831   BASEPAIR  20  FREE_ENERGY
    -16.80 LEN_BP_RATIO  2.95
AAGAGGAUGAAGACUCUCUGGCGGAUUUUAACAACCUUAAAGAAGAGCUUAAUUUUGUUACUGUU
GAUGAAGUUGGAGAGGAGGAAGAUGGAGAUAAUGAUUUAAAAGUU
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>random_seq_from_cds__NO_8403 RANDOM_LENGTH 99  SEQ_LENGTH    81
    GC_CONTENT    0.604938271604938   BASEPAIR  26  FREE_ENERGY
    -28.00 LEN_BP_RATIO  3.11538461538462
AGUCCCAGAGAGUUCACAGGCUUCCCAGACCCCUACACAGAGCUCAACACAGGCAAGGGGGGAAG
GUGUGGCUUAUCGUGGCCGGCUUCUGCUCUCCCU
>random_seq_from_cds__NO_8409 RANDOM_LENGTH 73  SEQ_LENGTH    66
    GC_CONTENT    0.636363636363636   BASEPAIR  23  FREE_ENERGY
    -15.40 LEN_BP_RATIO  2.8695652173913
ACCAGUACCUGUACCAGCUGCGCACCCAUCACCUGAGCCAAAUCACUGAGGCUGCCCUGGCCCUG
AAGCUCGG
>random_seq_from_cds__NO_8414 RANDOM_LENGTH 85  SEQ_LENGTH    69
    GC_CONTENT    0.492753623188406   BASEPAIR  26  FREE_ENERGY
    -21.50 LEN_BP_RATIO  2.65384615384615
AGUUUGCUGAGGGGAAGCUGUCUGUCUUUGCUGAAACCGUAUGAGAACGAGACUAAGUUGGCCCU
UGUUGGGAACUGGGGCACAA
>random_seq_from_cds__NO_8425 RANDOM_LENGTH 78  SEQ_LENGTH    58
    GC_CONTENT    0.603448275862069   BASEPAIR  19  FREE_ENERGY
    -16.30 LEN_BP_RATIO  3.05263157894737
GAACACCCUUAACCCCACCUGGGACCAGACGCUCAUCUUCUACGAGAUCGAGAUCUUUGGCGAGC
CGGCCACAGUUGC
>random_seq_from_cds__NO_8435 RANDOM_LENGTH 88  SEQ_LENGTH    69
    GC_CONTENT    0.565217391304348   BASEPAIR  25  FREE_ENERGY
    -32.60 LEN_BP_RATIO  2.76
AGCCCCUCAUCCCCAUCCAGGGAGGAAGAGUUCAUCGAUUGGUGGAGCAAAUUCUUUGCCUCCAU
AGGGGAGAGGGAAAAGUGCGGCU
>random_seq_from_cds__NO_8436 RANDOM_LENGTH 97  SEQ_LENGTH    81
    GC_CONTENT    0.493827160493827   BASEPAIR  28  FREE_ENERGY
    -28.90 LEN_BP_RATIO  2.89285714285714
CCUACCUGGAGAAGGAUUUUGACACCCUGAAGGGUCUAUGACACACAGCUGGAGAAUGUGGAGGC
CUUUGAGGGCCUGUCUGACUUUUGUAACACCU
>random_seq_from_cds__NO_8438 RANDOM_LENGTH 85  SEQ_LENGTH    67
    GC_CONTENT    0.671641791044776   BASEPAIR  19  FREE_ENERGY
    -21.20 LEN_BP_RATIO  3.52631578947368
UCCCAGAAGACCCAGCCAUCCCCAUGCCCCCAAGACAGUUCCACCAGCUGGCCGCCCAGGGACCC
CAGGAGUGCUUGGUCCGUAU
>random_seq_from_cds__NO_8445 RANDOM_LENGTH 110 SEQ_LENGTH    94
    GC_CONTENT    0.680851063829787   BASEPAIR  35  FREE_ENERGY
    -51.32 LEN_BP_RATIO  2.68571428571429
CUGGUCCCGGAGCACGUGGAGUCACGGCCCCUCUACAGCCCCCUGCAGCCAGACAUCGAGCAGGG
GGAAGCUGCAGAUGUGGGUCGACCUAUUUCCGAAGGCCCUGGGGC
>random_seq_from_cds__NO_8473 RANDOM_LENGTH 86  SEQ_LENGTH    72
    GC_CONTENT    0.472222222222222   BASEPAIR  22  FREE_ENERGY
    -20.40 LEN_BP_RATIO  3.27272727272727
AAUGUUGAGGAUGUCUCCUGACACUGUGCCAAAGGCUCCUAAACAUUUAAAAGCAGGGAGACACU
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UCUAAAGGAGGCAUAGCUAAA
>random_seq_from_cds__NO_8500 RANDOM_LENGTH 88  SEQ_LENGTH    71
   GC_CONTENT    0.492957746478873   BASEPAIR  24  FREE_ENERGY
   -20.60 LEN_BP_RATIO  2.95833333333333
ACCUGAAGAGGCACAGAAAGUUUCACCUGUUCUUGGACCAGCUGACCAGAAGACUGGGACACCAA
CUCCAACCUCUGCUUCUUACUCA
>random_seq_from_cds__NO_8509 RANDOM_LENGTH 73  SEQ_LENGTH    48
   GC_CONTENT    0.5 BASEPAIR  20  FREE_ENERGY   -19.30 LEN_BP_RATIO
   2.4
CUGUAACCUCCCCUUCCAGCUCAUUUGGAGAGAAGCCCAUUGUUAUCUACAAACAGGCCUUUCCA
GAGGGUCA
>random_seq_from_cds__NO_8565 RANDOM_LENGTH 110 SEQ_LENGTH    89
   GC_CONTENT    0.438202247191011   BASEPAIR  28  FREE_ENERGY
   -19.40 LEN_BP_RATIO  3.17857142857143
AAAUACAAGUGAACAUUUCAGAUUUCGAAGGACAUUCCAAUCCAGAGGGGACCCCAGUAUUUGCA
GAUCGGAUUACCAGAGAAGAUGAAGACCCCACUUUCUGCUUUCUC
>random_seq_from_cds__NO_8582 RANDOM_LENGTH 110 SEQ_LENGTH    75
   GC_CONTENT    0.466666666666667   BASEPAIR  27  FREE_ENERGY
   -23.20 LEN_BP_RATIO  2.77777777777778
UUCUUCAGAAUCCAAUCACACAUUCUCUCCAGGUCUCAGAAAGUACACAUGAUGAUAGCAGAGGG
GAACGAAGUGUGAAGGAAUGGAGUGGUAGACAACAGCAGAGAAAU
>random_seq_from_cds__NO_8593 RANDOM_LENGTH 80  SEQ_LENGTH    57
   GC_CONTENT    0.385964912280702   BASEPAIR  19  FREE_ENERGY
   -16.10 LEN_BP_RATIO  3
UGAGGACAGAAAGUUAAAAAAGAACAAGAAGAAUUCCCAUGAAGGGAGUUUCCUGGUUUGUUCCU
GUGGAAAAUGUGGAG
>random_seq_from_cds__NO_8597 RANDOM_LENGTH 110 SEQ_LENGTH    86
   GC_CONTENT    0.558139534883721   BASEPAIR  27  FREE_ENERGY
   -22.20 LEN_BP_RATIO  3.18518518518519
GAUAAAGCGCCUGAAGUUAAUAGUCCAGGAGAGGAAGCUGCAGAGCAUGUUACAGACCGAGCGGG
AUGCACUAUUCAACAUUGACAGGGAACGGCAGGGCCACCAGAAUC
>random_seq_from_cds__NO_8609 RANDOM_LENGTH 67  SEQ_LENGTH    54
   GC_CONTENT    0.574074074074074   BASEPAIR  21  FREE_ENERGY
   -24.80 LEN_BP_RATIO  2.57142857142857
AAUGAGAUGGCCACAGCAGCUUCCUCUUCCUCCCUGGAGAAGAGCUAUGAGCUGCCAGAUGGGCA
GG
>random_seq_from_cds__NO_8651 RANDOM_LENGTH 72  SEQ_LENGTH    62
   GC_CONTENT    0.887096774193548   BASEPAIR  21  FREE_ENERGY
   -34.90 LEN_BP_RATIO  2.95238095238095
UCCAGCCGUGCUACGCGGCCCGCCGCCCCGGCCGUCCCGUCGCCCGGGGCCUCCCCGAGCCGCCC
UCUCGGC
>random_seq_from_cds__NO_8653 RANDOM_LENGTH 87  SEQ_LENGTH    79
   GC_CONTENT    0.683544303797468   BASEPAIR  27  FREE_ENERGY
   -33.20 LEN_BP_RATIO  2.92592592592593
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UGCAGAGUCAGCGCUUUGGGACCAAGGAGGUGGAGGAAGACCUGGGCCGUGCUCUACCCGGCCAG
UCCCCACGGCGUAGCGCGGCUC
>random_seq_from_cds__NO_8663 RANDOM_LENGTH 81  SEQ_LENGTH    69
    GC_CONTENT    0.579710144927536    BASEPAIR  23  FREE_ENERGY
    -26.60 LEN_BP_RATIO  3
CAUGCCCUUCCCAGGACUCCCUAUACUCAGACCCCUUGGACAGCACGUCUGCUCAGGCAGGAGAG
GGAGUACAACGGAAGA
>random_seq_from_cds__NO_8666 RANDOM_LENGTH 99  SEQ_LENGTH    79
    GC_CONTENT    0.645569620253165    BASEPAIR  20  FREE_ENERGY
    -22.02 LEN_BP_RATIO  3.95
CAACCCUGCCACUGAUGACUACGCUGUGCCACCCCCUCGGAGCACAAAGCCCCUCCUUGCUCCCA
AGCCCCAGGGCCCAGCCUUCCCUGAACCUGGUAC
>random_seq_from_cds__NO_8668 RANDOM_LENGTH 69  SEQ_LENGTH    59
    GC_CONTENT    0.491525423728814    BASEPAIR  21  FREE_ENERGY
    -18.50 LEN_BP_RATIO  2.80952380952381
GUAGGGACUGACAAGACUGGGGUCAAGUCAGAGGGCUCUACCUGAUCUAGUUUUUGAACUUGCAA
ACAA
>random_seq_from_cds__NO_8674 RANDOM_LENGTH 81  SEQ_LENGTH    54
    GC_CONTENT    0.518518518518518    BASEPAIR  24  FREE_ENERGY
    -43.20 LEN_BP_RATIO  2.25
CAGGAACAUCAGGGAGGAGAUCAGCAUGAAGAACGAGUUGGUCUGAGCCAUCAUGGCUCAGACCA
GCUCAUACUUCAUGCU
>random_seq_from_cds__NO_8679 RANDOM_LENGTH 73  SEQ_LENGTH    65
    GC_CONTENT    0.6 BASEPAIR  21  FREE_ENERGY   -25.80 LEN_BP_RATIO
    3.0952380952381
AGCAGUGGGUCCCUGGUCUCCUACAAGUCCUGGGGCAUUGGAGCCCCAAGCAGUGUUAAUCCUGG
CUACUGUG
>random_seq_from_cds__NO_8702 RANDOM_LENGTH 110 SEQ_LENGTH    93
    GC_CONTENT    0.666666666666667    BASEPAIR  34  FREE_ENERGY
    -39.20 LEN_BP_RATIO  2.73529411764706
AGGCGUCGGACGGCAGCCUCCUGGGGGACCUCGGGCACACACCACUUAGCAAGAAGGAGGGUAUC
AAGUGGCAGAGGCCGAGGCUCAGCCGCCAGGCUUUGAUGAGAUGC
>random_seq_from_cds__NO_8706 RANDOM_LENGTH 97  SEQ_LENGTH    73
    GC_CONTENT    0.63013698630137 BASEPAIR  28  FREE_ENERGY
    -37.60 LEN_BP_RATIO  2.60714285714286
AACGCCUUUGAUGCGGACGGGAACGGGGCCAUCCACUUUGAGGGACUUUGUGGUUGGCCUCUCCA
UCCUGCUGCGGGGCACAGUCCACGAGAAGCUC
>random_seq_from_cds__NO_8718 RANDOM_LENGTH 81  SEQ_LENGTH    74
    GC_CONTENT    0.756756756756757    BASEPAIR  27  FREE_ENERGY
    -34.00 LEN_BP_RATIO  2.74074074074074
AGCACAUGAGCCGGGCUGUCGGGCCGGAGCUCCGCCACCGAGGCACUGCCCUCGUCCAGCACCAC
GGCCCGCGCCAGCUCC
>random_seq_from_cds__NO_8741 RANDOM_LENGTH 87  SEQ_LENGTH    67
    GC_CONTENT    0.597014925373134    BASEPAIR  22  FREE_ENERGY
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    -25.50 LEN_BP_RATIO  3.04545454545455
CUCUGGUCCAGCUUCACCUCAAACCAGGCACCAGGGUUACUUAAGAUGGCCCAGGGCCAUAGGGU
AGAGACUGAGCAUUAUGAAGAA
>random_seq_from_cds__NO_8743 RANDOM_LENGTH 81  SEQ_LENGTH    73
    GC_CONTENT    0.465753424657534   BASEPAIR  24  FREE_ENERGY
    -16.00 LEN_BP_RATIO  3.04166666666667
GUGAUGAUGAAGAUUUGGAUGACUUAUUUGUGGGACCUGUUGGGAACUCUGACCUCUCACCUUAU
CCUUGCCAUCCACCUA
>random_seq_from_cds__NO_8746 RANDOM_LENGTH 82  SEQ_LENGTH    69
    GC_CONTENT    0.608695652173913   BASEPAIR  24  FREE_ENERGY
    -27.70 LEN_BP_RATIO  2.875
UGAAGCAGAGCAUGUGGAGUCUGCUGACAGCGCUCUCCGGAAAGGAGGCAGAUGCAGAGGGCAAA
CCACAGGGAAGCUGGAA
>random_seq_from_cds__NO_8750 RANDOM_LENGTH 95  SEQ_LENGTH    84
    GC_CONTENT    0.75   BASEPAIR  33  FREE_ENERGY   -49.40
    LEN_BP_RATIO  2.54545454545455
ACUUCGCGGAGCUGGAACGCUGGCCGCGCAGGCCCUGAGGGCUCGCGGCCCCAGUGGCGCGGCCG
CGAUGCGCUCCAUGGCAUCUGGAGGGUGGU
>random_seq_from_cds__NO_8764 RANDOM_LENGTH 82  SEQ_LENGTH    65
    GC_CONTENT    0.584615384615385   BASEPAIR  25  FREE_ENERGY
    -23.70 LEN_BP_RATIO  2.6
AGGAGCACAGGAUGCCUCCUCCGAGAAGGUCUGCAGCUGAUCCUUGGAGUAGACGUACUGCCAGA
UGCGUUCCAUGUCGUUC
>random_seq_from_cds__NO_8767 RANDOM_LENGTH 96  SEQ_LENGTH    78
    GC_CONTENT    0.525641025641026   BASEPAIR  23  FREE_ENERGY
    -25.33 LEN_BP_RATIO  3.39130434782609
UCUCCUGCAAAGCCAGCUUUAAUCACCCCCGAACCCGUUGUCGAUGACCACAGGCUGGUUGGCGA
UGAUGUCGUAGGACUCCAUAUCAGUUGGUGG
>random_seq_from_cds__NO_8770 RANDOM_LENGTH 99  SEQ_LENGTH    75
    GC_CONTENT    0.386666666666667   BASEPAIR  26  FREE_ENERGY
    -19.42 LEN_BP_RATIO  2.88461538461538
CUUCACUCCUUAAAAGGCAAAACUUCCACAGUUGUGUUUAGCAGAAUAUCUCCAGGAUGUUCUUG
GUUGCCGCUAUGGAACAAAUAACCUUUCUACAUU
>random_seq_from_cds__NO_8775 RANDOM_LENGTH 72  SEQ_LENGTH    57
    GC_CONTENT    0.456140350877193   BASEPAIR  21  FREE_ENERGY
    -15.30 LEN_BP_RATIO  2.71428571428571
UCAGAGUAAGAUCCGGCGCUUGAAACAUUUUACCCAAUGAAGCCCAGCUGGGAAAACUCUAGAAU
CAUCCAU
>random_seq_from_cds__NO_8788 RANDOM_LENGTH 84  SEQ_LENGTH    73
    GC_CONTENT    0.452054794520548   BASEPAIR  23  FREE_ENERGY
    -17.70 LEN_BP_RATIO  3.17391304347826
AGAAUUGUCUUUGGAAGCUCAAGGCAUCAAAGCUGACAGAGAAACUGUUGCAGUGAAGGCCAACA
GAAAACAAUGAAGAGGAAU
>random_seq_from_cds__NO_8816 RANDOM_LENGTH 81  SEQ_LENGTH    67
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    GC_CONTENT    0.447761194029851   BASEPAIR  25  FREE_ENERGY
    -22.00 LEN_BP_RATIO  2.68
GAUGUCAUCUUGAUCAAUGGGCGUUUGAAGGAAGGAGAUACAAUCAUUGUUCCUGGAGUAGAAGG
GCCCAUUGUAACUCAG
>random_seq_from_cds__NO_8818 RANDOM_LENGTH 110 SEQ_LENGTH    86
    GC_CONTENT    0.441860465116279   BASEPAIR  26  FREE_ENERGY
    -22.30 LEN_BP_RATIO  3.30769230769231
GCUCAGGGGGUAAAGAUUCUUGGAAAAGACCUGGAGAAAACAUUGGCUGGUUUACCCCUCCUUGU
GGCUUAUAAAGAAGAUGAAAUCCCUGUUCUUAAAGGAUGAAUUGA
>random_seq_from_cds__NO_8828 RANDOM_LENGTH 70  SEQ_LENGTH    56
    GC_CONTENT    0.678571428571429   BASEPAIR  19  FREE_ENERGY
    -27.12 LEN_BP_RATIO  2.94736842105263
GGUGGGCGCUGUUCCGCAGCCAGUGCAGGCCCUGUUGGGAGUACUGGACCAGGUGCUCCAUGCUG
CUGUG
>random_seq_from_cds__NO_8830 RANDOM_LENGTH 90  SEQ_LENGTH    78
    GC_CONTENT    0.58974358974359 BASEPAIR  26  FREE_ENERGY
    -27.00 LEN_BP_RATIO  3
GUAGUCGUAGCUGUGCAGGAUGCUGUUGGUGAUGCUGACGUGGUUGGCCGCCAUCUGGUGGAUGC
GCUGUGGGAUGCUGACGAUGGUCGA
>random_seq_from_cds__NO_8833 RANDOM_LENGTH 119 SEQ_LENGTH    107
    GC_CONTENT    0.476635514018692   BASEPAIR  36  FREE_ENERGY
    -26.30 LEN_BP_RATIO  2.97222222222222
AAUAGUCGAUUAGUGCUUUUGAAUACUUUACAGCGUGGUCCCUUUUGAGUCGAAACAUCCGCCAG
UACAGGAGGGCCAGGCAUCGGUAACCAUAAUGCAGCCAGUUGUUUGUCUUCUGG
>random_seq_from_cds__NO_8837 RANDOM_LENGTH 86  SEQ_LENGTH    74
    GC_CONTENT    0.662162162162162   BASEPAIR  29  FREE_ENERGY
    -35.50 LEN_BP_RATIO  2.55172413793103
UCUGCCUCUUGCAGUCCCUGUGGCCGUUGGAGCCUGGAGACCACGGCUUCGUCUGCGGCCGUGAC
UUGUGGAGGGGAAUGUUUUCA
>random_seq_from_cds__NO_8840 RANDOM_LENGTH 90  SEQ_LENGTH    72
    GC_CONTENT    0.458333333333333   BASEPAIR  25  FREE_ENERGY
    -23.00 LEN_BP_RATIO  2.88
UUUAUUGGUAUUGCCACACCUGUUGAUGUUCAUGUUGCAGUGGUUUGCAGACAAAGUAUUACUGG
UGGAGGUGGCCAGUCUUGAAGAGCU
>random_seq_from_cds__NO_8842 RANDOM_LENGTH 75  SEQ_LENGTH    62
    GC_CONTENT    0.612903225806452   BASEPAIR  20  FREE_ENERGY
    -22.70 LEN_BP_RATIO  3.1
UUGGAUUUUGGCAAAGCCUUUUCUGCAGGUGUGUCCGAGGUGUGGCUGGGCGGUGCGCUCUCAGA
GUCCUUGGUG
>random_seq_from_cds__NO_8844 RANDOM_LENGTH 78  SEQ_LENGTH    58
    GC_CONTENT    0.551724137931034   BASEPAIR  23  FREE_ENERGY
    -19.20 LEN_BP_RATIO  2.52173913043478
CCUGAUCUCAUCACUGUCCUUUAGAGGGGAGAGAAGUUCGUUCCGGCCAAAGGGGACCAGUGUGU
AGAACUGCUCCUC
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>random_seq_from_cds__NO_8848 RANDOM_LENGTH 71  SEQ_LENGTH    58
    GC_CONTENT    0.689655172413793    BASEPAIR  19  FREE_ENERGY
    -28.20 LEN_BP_RATIO  3.05263157894737
ACGGAGGAGCGCAGCUCCUUGCGGUGGCUCGCUCUGUUGUUGCCACAGGGCCUGGUUUUGGUGGG
CUCCGG
>random_seq_from_cds__NO_8850 RANDOM_LENGTH 87  SEQ_LENGTH    75
    GC_CONTENT    0.76   BASEPAIR  30  FREE_ENERGY   -46.00
    LEN_BP_RATIO  2.5
GUCCUCUCGGUGCGCCUGGUGGGCUUCUUGCCCGCGGACCUCCGGGCAGGCGCGGGCGCGUUCUC
CGCGGGCGCACAGGGCACUGCG
>random_seq_from_cds__NO_8872 RANDOM_LENGTH 110 SEQ_LENGTH    99
    GC_CONTENT    0.464646464646465    BASEPAIR  33  FREE_ENERGY
    -22.90 LEN_BP_RATIO  3
UGGACAAAACCACCGUGUUGGAAAAGGUCAUCGGAUUUUUGCAGAAACACAAUGGAAGUCUCAGC
GCAAACGGAAAUCUGUGACAUUCAGCAAGACUGGAAGCCUUCAUU
>random_seq_from_cds__NO_8874 RANDOM_LENGTH 75  SEQ_LENGTH    55
    GC_CONTENT    0.490909090909091    BASEPAIR  21  FREE_ENERGY
    -21.80 LEN_BP_RATIO  2.61904761904762
UCAUCUAUGUCUCUGACAGUAUCACGCCUCUCCUUGGGCAUUUACCGGUCGGAUGUCAUGGAUCA
GAAUUUGUUA
>random_seq_from_cds__NO_8883 RANDOM_LENGTH 72  SEQ_LENGTH    60
    GC_CONTENT    0.633333333333333    BASEPAIR  21  FREE_ENERGY
    -27.20 LEN_BP_RATIO  2.85714285714286
UCCGGGUGGAAAGGAGGCAGGAGCUGGCUCUGGAAGACCCGCCAUCCGAGGCCCUCCACUCCUCA
GCACUAA
>random_seq_from_cds__NO_8901 RANDOM_LENGTH 88  SEQ_LENGTH    63
    GC_CONTENT    0.46031746031746 BASEPAIR  23  FREE_ENERGY
    -16.90 LEN_BP_RATIO  2.73913043478261
CUACAGAACAAGCCUCCAGGAUUCAUCAACACAAAGAGAAACUUUGGUUUGUUCCUGCUAAGGUG
GAGGAUUCAGGACAUUACUAUUG
>random_seq_from_cds__NO_8929 RANDOM_LENGTH 92  SEQ_LENGTH    67
    GC_CONTENT    0.537313432835821    BASEPAIR  25  FREE_ENERGY
    -23.90 LEN_BP_RATIO  2.68
GCCUUCCUUUCAUGUGCCACGCUGGAGUGUCCACAGCAUACAUUAUAUUACAGCUCCCAGGCUCC
GGAUUUUCGAGCUUACUUGAUAGGAGG
>random_seq_from_cds__NO_8934 RANDOM_LENGTH 87  SEQ_LENGTH    77
    GC_CONTENT    0.584415584415584    BASEPAIR  24  FREE_ENERGY
    -26.10 LEN_BP_RATIO  3.20833333333333
UCCCCGAAUCGCUGGGCUUUGGCCUGUUGAAGAACCUGUCAGAAGAACAAAUCGCGGUCUACAGU
GCCCUGAUCCAGGACGGGAUGA
>random_seq_from_cds__NO_8946 RANDOM_LENGTH 70  SEQ_LENGTH    51
    GC_CONTENT    0.470588235294118    BASEPAIR  20  FREE_ENERGY
    -15.80 LEN_BP_RATIO  2.55
AAUAGUGGAAGGAUCGCAGUAAUAUAGUUCCGGUUCUUCUUGGACCAAAGCUUAACCAUGUUGCA
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GUGGA
>random_seq_from_cds__NO_8951 RANDOM_LENGTH 83  SEQ_LENGTH    56
    GC_CONTENT    0.410714285714286    BASEPAIR  23  FREE_ENERGY
    -15.20 LEN_BP_RATIO  2.43478260869565
UGGUGGCAGUAGUGUGCCUAGUGACUGUGUGUGUCAUUUAUAGAGUUGACUUGGUUCUAUUUUAU
AGACAUUUAACGAGAAGA
>random_seq_from_cds__NO_8972 RANDOM_LENGTH 84  SEQ_LENGTH    76
    GC_CONTENT    0.407894736842105    BASEPAIR  24  FREE_ENERGY
    -17.40 LEN_BP_RATIO  3.16666666666667
CUUUGUAAAAAUGAUGUUACUGAUGGAAGAGCAAAAUACUGGCUUGAAAGAGCAGCCAAACUUUU
CCCAGGAAGUCCUGCAAUU
>random_seq_from_cds__NO_8976 RANDOM_LENGTH 95  SEQ_LENGTH    69
    GC_CONTENT    0.449275362318841    BASEPAIR  24  FREE_ENERGY
    -22.89 LEN_BP_RATIO  2.875
UUUACAGUGUUUGGAGUCUGAUAAAAGUGACUGGCGAGCAACCAAUACAGACUUACUGCUGGCCU
AUGCUAAUCUUAUGCUUCUUACGCUUUCCA
>random_seq_from_cds__NO_8982 RANDOM_LENGTH 86  SEQ_LENGTH    78
    GC_CONTENT    0.41025641025641 BASEPAIR  26  FREE_ENERGY
    -16.57 LEN_BP_RATIO  3
CUUGGUAGCGAUGAUAUUGGAAACAUUGAUGUACGAGAACCAGAGCUUGAAGAUUUGACUAGAUA
CGAUGUUGGGUGCUAUUCGAG
>random_seq_from_cds__NO_8997 RANDOM_LENGTH 89  SEQ_LENGTH    74
    GC_CONTENT    0.527027027027027    BASEPAIR  25  FREE_ENERGY
    -23.90 LEN_BP_RATIO  2.96
CCUCAUCGUUGGCCCACAGAGAAUUAUGGACCAGACUCAGUGCCUGAUGGAUAUCAGGGGUCACA
GACAUUUCAUGGGGCUCCACUAAC
>random_seq_from_cds__NO_9026 RANDOM_LENGTH 89  SEQ_LENGTH    70
    GC_CONTENT    0.457142857142857    BASEPAIR  23  FREE_ENERGY
    -23.60 LEN_BP_RATIO  3.04347826086957
AAGGAAGGACAGUGGGAUUGCAGUGUGUGCUUAGUAAGAAAUGAAGCCAGUGCUACCAAAUGUAU
UGCUUGUCAGUGUCCAAGUAAACA
>random_seq_from_cds__NO_9046 RANDOM_LENGTH 88  SEQ_LENGTH    70
    GC_CONTENT    0.371428571428571    BASEPAIR  25  FREE_ENERGY
    -17.00 LEN_BP_RATIO  2.8
AGAUGGACAGUACUUUGAACCUGUUGUUCCUUUACCUGAUCUAGUUGAAGUAUCCAGUGGUGAGG
AAAAUGAACAAGUUGUUUUUAGU
>random_seq_from_cds__NO_9063 RANDOM_LENGTH 110 SEQ_LENGTH    81
    GC_CONTENT    0.37037037037037 BASEPAIR  30  FREE_ENERGY
    -19.90 LEN_BP_RATIO  2.7
UAAAUCUGAAGAACCUGAUUCUAUUACCAAAUCCAUUAGUUCACCAUCUGUUUCCUCUGAAACUA
UGGACAAACCUGUAGAUUUGUCAACUAGAAAGGAAAUUGAUACAG
>random_seq_from_cds__NO_9090 RANDOM_LENGTH 110 SEQ_LENGTH    90
    GC_CONTENT    0.455555555555556    BASEPAIR  30  FREE_ENERGY
    -22.40 LEN_BP_RATIO  3
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CUUUUCCAUCUUCUUCUUUGGGUAAUUUUUGGGAUCUACACUCCUCCAGCUGUAGAGUGGGCUUA
UCAUCUUUCAACACGCAGGACAGGUACAGAUUCUUUUCCUUGAGG
>random_seq_from_cds__NO_9111 RANDOM_LENGTH 96  SEQ_LENGTH    84
    GC_CONTENT    0.726190476190476    BASEPAIR  29  FREE_ENERGY
    -36.80 LEN_BP_RATIO  2.89655172413793
GCGCCCGGGUGCCCAACGGGUGGACAGGGUCUCUACCUGCGGCAGUCUGGCCUCUGUCACGCUCG
ACCCGGCCUCCUCCUCCUGCGCCUCCUCUGG
>random_seq_from_cds__NO_9113 RANDOM_LENGTH 75  SEQ_LENGTH    58
    GC_CONTENT    0.724137931034483    BASEPAIR  21  FREE_ENERGY
    -32.30 LEN_BP_RATIO  2.76190476190476
UGAAAAAGUUGGUGGUGCGGUGCAGCUGGGCCGCUGGCUGCGGCUGGUGAGCAGGCGCCGCGAGA
UGCUGAGGCG
>random_seq_from_cds__NO_9115 RANDOM_LENGTH 85  SEQ_LENGTH    76
    GC_CONTENT    0.776315789473684    BASEPAIR  25  FREE_ENERGY
    -31.20 LEN_BP_RATIO  3.04
GACACCGGCACGCUGUCUCCAUCGCUGCCGCUGCCGCUGCUGCCGCUGGCGCCCGGACUGAGGCU
CAGGCUGAGGCCGCCCGGAG
>random_seq_from_cds__NO_9117 RANDOM_LENGTH 110 SEQ_LENGTH    99
    GC_CONTENT    0.666666666666667    BASEPAIR  35  FREE_ENERGY
    -45.70 LEN_BP_RATIO  2.82857142857143
GAUGAUGCUGGUCCUGCAGGUGCCCUGGCUCUGCUCCAAGUGGCUGGCCUUGGUGCUGUUGCUGA
AGGAGGCCACGGGGUGCAGUGGGAACUCACGGAGGUGCCAUUGCU
>random_seq_from_cds__NO_9124 RANDOM_LENGTH 67  SEQ_LENGTH    49
    GC_CONTENT    0.571428571428571    BASEPAIR  19  FREE_ENERGY
    -18.70 LEN_BP_RATIO  2.57894736842105
CCAGCAGCCAGGAGUAGUUGGCCAUGAUGCAGUACUGGAACAGCACCAUGACCAGCUUGCAGCCC
GC
>random_seq_from_cds__NO_9126 RANDOM_LENGTH 92  SEQ_LENGTH    74
    GC_CONTENT    0.621621621621622    BASEPAIR  24  FREE_ENERGY
    -22.60 LEN_BP_RATIO  3.08333333333333
GGACACGAACAGGUGCAUGUGGAUGUAGUUGCGAGUGCAGUGGAGCCUCCCGGAAAGCACAGAGG
AUGCCAAGGGCGACCAGGAGCAUGACC
>random_seq_from_cds__NO_9160 RANDOM_LENGTH 89  SEQ_LENGTH    66
    GC_CONTENT    0.46969696969697 BASEPAIR  25  FREE_ENERGY
    -21.00 LEN_BP_RATIO  2.64
GUACGAAACAAGAGGGCUGGCAAGGAAGAACCCGUUGUUGUCCAUUGCAGGUGCUGGAAUCGGAA
GAACUGGGGUUCUUAUUACUAUGG
>random_seq_from_cds__NO_9161 RANDOM_LENGTH 77  SEQ_LENGTH    64
    GC_CONTENT    0.40625    BASEPAIR  22  FREE_ENERGY   -17.10
    LEN_BP_RATIO  2.90909090909091
AAACAGCCAUGUGUCUCAUUGAAUGCAAUCAGCCAGUUUAUCCACUAGAUAUUGUAAGAACAAUG
AGAGAUCAGCGA
>random_seq_from_cds__NO_9170 RANDOM_LENGTH 77  SEQ_LENGTH    60
    GC_CONTENT    0.85    BASEPAIR  23  FREE_ENERGY   -41.70
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   LEN_BP_RATIO  2.60869565217391
AUGGACGGGCUGCCCGGUCGGGCGCUGGGGGCCGCCUGCCUUCUGCUGCUGGCGGCCGGCUGGCU
GGGGCCUGAGGC
>random_seq_from_cds__NO_9200 RANDOM_LENGTH 86  SEQ_LENGTH    62
   GC_CONTENT    0.419354838709677   BASEPAIR  21  FREE_ENERGY
   -15.02 LEN_BP_RATIO  2.95238095238095
UGUCAUUCCUCCUUUCAUGAAACUUGAUCAGAAACUGGCAAGCUCUAAAUUUGUUGGGGUUCAUG
GUGUACAGCAAGAUUCGUUUC
>random_seq_from_cds__NO_9211 RANDOM_LENGTH 78  SEQ_LENGTH    66
   GC_CONTENT    0.5 BASEPAIR  25  FREE_ENERGY   -26.70 LEN_BP_RATIO
   2.64
CAUUUGCUCAUAGAAGUCAAACAGGUCCAUGGGGAUGUCAGAUUUACCCUGUGGAUCUGUCACUC
GGGAAGUGGAGGG
>random_seq_from_cds__NO_9212 RANDOM_LENGTH 81  SEQ_LENGTH    62
   GC_CONTENT    0.5 BASEPAIR  21  FREE_ENERGY   -19.20 LEN_BP_RATIO
   2.95238095238095
CCCACCACUGCUUUCAGCAGUCUUAGAAAUCGGCAGAUUUGCUUGUGAAAGUCUCUGUGAUGAGC
UCAGUGGCCUCCCCUU
>random_seq_from_cds__NO_9215 RANDOM_LENGTH 81  SEQ_LENGTH    72
   GC_CONTENT    0.527777777777778   BASEPAIR  24  FREE_ENERGY
   -24.30 LEN_BP_RATIO  3
CUGAGCUUCCUGAGGUACUCGGUGAUGUCACUGGUUUGCAGCCCAACGCUGACAGCUGCAUACAA
GGAGUAGGCAGUUAGU
>random_seq_from_cds__NO_9234 RANDOM_LENGTH 85  SEQ_LENGTH    75
   GC_CONTENT    0.613333333333333   BASEPAIR  28  FREE_ENERGY
   -26.60 LEN_BP_RATIO  2.67857142857143
CCCCUCUGCACAUGCCGCCACUCGCUCAGGUAGCGGGACACGGGGUCUCGUAGCAGGGUGAUGUA
GUAGAACUUCCCUGGGCGUG
>random_seq_from_cds__NO_9235 RANDOM_LENGTH 99  SEQ_LENGTH    92
   GC_CONTENT    0.760869565217391   BASEPAIR  35  FREE_ENERGY
   -46.70 LEN_BP_RATIO  2.62857142857143
CGCAGCGCGGCGGAGUCGCGGCGGUCCAGCACGCCGGGCACGCAGUUGGUGAGCUCGGUCCAGUC
GGCGUGCAGCCCGCAGCUCCAGCCGGUGGAGAAG
>random_seq_from_cds__NO_9237 RANDOM_LENGTH 86  SEQ_LENGTH    76
   GC_CONTENT    0.644736842105263   BASEPAIR  31  FREE_ENERGY
   -35.20 LEN_BP_RATIO  2.45161290322581
GCCGAAGGUGGUGCCGCCCGUCUUCUGGAUGUGCAGGAAGACGAUCACGUCGUCGCCCUUCAUGU
CGAAGCGCAGCGAGCGCUCCA
>random_seq_from_cds__NO_9248 RANDOM_LENGTH 87  SEQ_LENGTH    56
   GC_CONTENT    0.607142857142857   BASEPAIR  20  FREE_ENERGY
   -23.80 LEN_BP_RATIO  2.8
GAAGAAUUCCGGUGGAUGAGACUACGGAUCCGGCGAAUGGCUGACGCAUGGAUCCAAGCAAUCAA
GUCCCUGGCAGAAAAGCAGAAC
>random_seq_from_cds__NO_9263 RANDOM_LENGTH 78  SEQ_LENGTH    53
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    GC_CONTENT    0.60377358490566 BASEPAIR  21  FREE_ENERGY
    -21.40 LEN_BP_RATIO  2.52380952380952
AACAAGGACAAGGACAUGCUGAAGGUACAAGGUGACCUGCCAAAGCUCAGAGCUGGCCAAGGACA
UCCUGGUGCCCUC
>random_seq_from_cds__NO_9270 RANDOM_LENGTH 80  SEQ_LENGTH    65
    GC_CONTENT    0.415384615384615   BASEPAIR  23  FREE_ENERGY
    -19.00 LEN_BP_RATIO  2.82608695652174
UUACAACAUCCUGCUCUAUUCCUUGGUGCCACUUAUGUUAAUUGCGGGGAUUGUCAUUUGUGCAU
UUUGGGUGUACAGGC
>random_seq_from_cds__NO_9272 RANDOM_LENGTH 86  SEQ_LENGTH    66
    GC_CONTENT    0.439393939393939   BASEPAIR  19  FREE_ENERGY
    -17.30 LEN_BP_RATIO  3.47368421052632
GUUAUUAGAAGUGAAAGCAAGGGGAAGAUUUGGUUGUGUCUGGAAAGCCCAGUUGCUUAACGAAU
AUGUGGCUGUCAAAAUAUUUC
>random_seq_from_cds__NO_9285 RANDOM_LENGTH 88  SEQ_LENGTH    73
    GC_CONTENT    0.383561643835616   BASEPAIR  21  FREE_ENERGY
    -15.33 LEN_BP_RATIO  3.47619047619048
CAUCCAUUUGAAUGCCUUCCAUUCCUGUCAGAAGCACUGUCCUCUUAGAUGUUCCUGAAAAUAUC
CUGAUACUUUUUCAAGUGUAUUU
>random_seq_from_cds__NO_9291 RANDOM_LENGTH 77  SEQ_LENGTH    55
    GC_CONTENT    0.381818181818182   BASEPAIR  20  FREE_ENERGY
    -19.00 LEN_BP_RATIO  2.75
CGAGCUCACUUGAAACGAACAGGAGAUAUUUGACAACUGGCUGUCAUUCUCAGGAGUUUCAACUG
AUAAGAAUUUCA
>random_seq_from_cds__NO_9296 RANDOM_LENGTH 110 SEQ_LENGTH    96
    GC_CONTENT    0.510416666666667   BASEPAIR  32  FREE_ENERGY
    -30.60 LEN_BP_RATIO  3
CGCAGAAGCUAAGGCGGUGUGUGAAUUUGAAGGCGGCCAUCUCGCAACUUACAAGCAGCUAGAGG
CAGCCAGAAAAAUUGGGAUUUCAUGUCUGUGCUGCUGGAUGGAUG
>random_seq_from_cds__NO_9311 RANDOM_LENGTH 82  SEQ_LENGTH    72
    GC_CONTENT    0.458333333333333   BASEPAIR  23  FREE_ENERGY
    -18.10 LEN_BP_RATIO  3.1304347826087
AUACCUCGGUAGUUAAUGUCACUGAAGUCCUGCAUGUUCUUCUUUACUCGUUCAGUGAUAGGAUC
UGUCACCACUGGUGUGA
>random_seq_from_cds__NO_9316 RANDOM_LENGTH 86  SEQ_LENGTH    58
    GC_CONTENT    0.53448275862069 BASEPAIR  24  FREE_ENERGY
    -21.90 LEN_BP_RATIO  2.41666666666667
UGUAUAACACCCGAGCUAAUGUUUUCUUGAUUGCGUUUGACUCUCUGCAUCUCAGGAGUGACAGG
GGUUGCGGUGGCUUUCCCCAC
>random_seq_from_cds__NO_9323 RANDOM_LENGTH 72  SEQ_LENGTH    48
    GC_CONTENT    0.416666666666667   BASEPAIR  19  FREE_ENERGY
    -15.70 LEN_BP_RATIO  2.52631578947368
ACACGCAGUAUUUCUGGCGUGUCUUGAACAACUGUAAUUUUUCCUUUACUGUUUUUAAGGUCACA
CUGGUAU
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>random_seq_from_cds__NO_9332 RANDOM_LENGTH 89  SEQ_LENGTH    73
    GC_CONTENT    0.438356164383562   BASEPAIR  30  FREE_ENERGY
    -27.30 LEN_BP_RATIO  2.43333333333333
UCUUUGUAUUUCACCUAUACUCUGUAAUUCUGUGGCCUCUUUUAGGUGAAGCUGCUCCAGAUUAU
CGGGUAUGGUGUGGUAGUGGCCUU
>random_seq_from_cds__NO_9333 RANDOM_LENGTH 81  SEQ_LENGTH    73
    GC_CONTENT    0.397260273972603   BASEPAIR  26  FREE_ENERGY
    -17.90 LEN_BP_RATIO  2.80769230769231
UACUCUUCUCAUACUUCUUCUUGUACUGGUACAGAACUGGCAAGUUGGCUUGUAUUCAGGACAUG
AUUCAUGAUCAGAGAC
>random_seq_from_cds__NO_9337 RANDOM_LENGTH 83  SEQ_LENGTH    64
    GC_CONTENT    0.546875  BASEPAIR  22  FREE_ENERGY   -25.10
    LEN_BP_RATIO  2.90909090909091
GGCCUGUUUGGCUGCCUGUGUGGCCUUCUUGAUGUCUGGUCGAUCAGCCACUGUGGUGUAAUGCA
GGUUCUCUUUGGCAUCUU
>random_seq_from_cds__NO_9341 RANDOM_LENGTH 82  SEQ_LENGTH    67
    GC_CONTENT    0.477611940298507   BASEPAIR  22  FREE_ENERGY
    -17.50 LEN_BP_RATIO  3.04545454545455
CAGGAUCUGAGGCGUGUCAGGUACGGCAUGGCAGGUUCCUCUUUCCUUGACAUGUUUCUCUUUGU
AUUUCAGCAUCACUUUC
>random_seq_from_cds__NO_9342 RANDOM_LENGTH 97  SEQ_LENGTH    58
    GC_CONTENT    0.5 BASEPAIR  24  FREE_ENERGY   -23.90 LEN_BP_RATIO
    2.41666666666667
UAUUAAAGUAUUCCUGAGGGCGAGCACCGUGUUUUUGUCAUCAGUGACAGAAAGCUUGCAACCCU
UGAGGAACUCCCGGUCCAGCUUAUAUUCAAAC
>random_seq_from_cds__NO_9343 RANDOM_LENGTH 80  SEQ_LENGTH    64
    GC_CONTENT    0.625  BASEPAIR  24  FREE_ENERGY   -27.30
    LEN_BP_RATIO  2.66666666666667
AUCGCUUUGCUGCAGGGAUGACUUGGCAGCCUGGAGGAAGUCCGGUCGGUCAGGAGUCCACUUCC
AGUGGGCUUUGUUGG
>random_seq_from_cds__NO_9356 RANDOM_LENGTH 79  SEQ_LENGTH    71
    GC_CONTENT    0.52112676056338 BASEPAIR  21  FREE_ENERGY
    -15.60 LEN_BP_RATIO  3.38095238095238
CCAUGUCCUUCACGUCUUUAGCAUGCUUCAAGGCUGUGGUCUGGUUUCCAGCGUGAUGAUGGGGU
CUCUCUUUGGUGGC
>random_seq_from_cds__NO_9357 RANDOM_LENGTH 84  SEQ_LENGTH    72
    GC_CONTENT    0.430555555555556   BASEPAIR  23  FREE_ENERGY
    -18.90 LEN_BP_RATIO  3.1304347826087
AAGUUCAACAUACAGAUACCUGACUCUGAAGCUUCUGCCCUCGCUUGGCUCUUAAAAGAUCAGGA
GUAUCAGGAACUGAAGUAA
>random_seq_from_cds__NO_9361 RANDOM_LENGTH 84  SEQ_LENGTH    67
    GC_CONTENT    0.477611940298507   BASEPAIR  24  FREE_ENERGY
    -18.20 LEN_BP_RATIO  2.79166666666667
ACAUAGCGGCAAUGGAUCACUUGGGGUGUGUAUGGCAGAGAGAUCAUGUGGCCCUGCAUCUUGAA
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GAAGUCUGAUUUGUAGAUC
>random_seq_from_cds__NO_9362 RANDOM_LENGTH 69  SEQ_LENGTH    50
    GC_CONTENT    0.58   BASEPAIR  20  FREE_ENERGY   -17.60
    LEN_BP_RATIO  2.5
AACCUCACUGACAGCCUCUUGUGUCUUCUUGACUUGGCGGAUCUCAGGGGUAUCGGGAGUUGUAU
GGAU
>random_seq_from_cds__NO_9368 RANDOM_LENGTH 110 SEQ_LENGTH    99
    GC_CONTENT    0.404040404040404   BASEPAIR  34  FREE_ENERGY
    -29.99 LEN_BP_RATIO  2.91176470588235
GACAAGCUUGUAGUCAUUCCUUGUUUUCAACAUGUGAGCUUUAUACUUGAUCAUCAUCACGUAGA
UCAUAAGCAUGCUUGGCAUGGAGGAUUUCAGGAGUGUCCCAGACG
>random_seq_from_cds__NO_9370 RANDOM_LENGTH 81  SEQ_LENGTH    64
    GC_CONTENT    0.53125   BASEPAIR  24  FREE_ENERGY   -19.90
    LEN_BP_RATIO  2.66666666666667
UUCCUGACGUGAUCAUUGACUUGCAAGUCGGGGUGGCAAAUCCAUUCGUGGAGGCGCAGGCGGUA
AUCAAUCUCACUGACU
>random_seq_from_cds__NO_9374 RANDOM_LENGTH 87  SEQ_LENGTH    62
    GC_CONTENT    0.548387096774194   BASEPAIR  23  FREE_ENERGY
    -22.50 LEN_BP_RATIO  2.69565217391304
GACAAGGUGCUGGAAGGCAGGAUGUAGCUGGUGGCUUUCACUCUAUCCCAGGCCUCCUUGUACAG
GUUCACUGCUGUAAAGAUUCUU
>random_seq_from_cds__NO_9378 RANDOM_LENGTH 110 SEQ_LENGTH    79
    GC_CONTENT    0.531645569620253   BASEPAIR  27  FREE_ENERGY
    -23.80 LEN_BP_RATIO  2.92592592592593
AGGUCAUCUUUAUACACAUUCAUCACUCAAGAUCUCCUGGGCGUUUCGGACGCGUAUAACAUUGG
GUUCUUCCAGAAGAGACGUCCACUGGUGGAAAUAGUGUCGAUACU
>random_seq_from_cds__NO_9386 RANDOM_LENGTH 81  SEQ_LENGTH    74
    GC_CONTENT    0.540540540540541   BASEPAIR  22  FREE_ENERGY
    -19.93 LEN_BP_RATIO  3.36363636363636
AGUGGGAUCCAGCCAAUGCCUCGGAGCCACUCCAGGUCAGCUCUGUAGACAUUCAUCACUCUGUA
GGUCAUAGGCCUUUCU
>random_seq_from_cds__NO_9390 RANDOM_LENGTH 72  SEQ_LENGTH    57
    GC_CONTENT    0.473684210526316   BASEPAIR  21  FREE_ENERGY
    -15.80 LEN_BP_RATIO  2.71428571428571
UCAGCUUUGUAUUUCAGCCUCACUCUGAACGUCAUUGCAGUGAUGGGCAUGAACAAAUGGCACAG
CAUCUGG
>random_seq_from_cds__NO_9392 RANDOM_LENGTH 93  SEQ_LENGTH    74
    GC_CONTENT    0.5 BASEPAIR  27  FREE_ENERGY   -21.50 LEN_BP_RATIO
    2.74074074074074
UGUGCAGCAGGGGGGUUUCUGUGAGGGUGUACUUUGAUUUGGUGGCAUUCCAGUCUUUCCGGUAU
UUAAUCAUCAUCGAGGAUCUCGCCACUU
>random_seq_from_cds__NO_9395 RANDOM_LENGTH 85  SEQ_LENGTH    66
    GC_CONTENT    0.590909090909091   BASEPAIR  25  FREE_ENERGY
    -27.40 LEN_BP_RATIO  2.64
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AACAUUCAUCGCUCUGCAGUUCGUAGGCCUUCUUGGCCUGAAUCACAUCGUUCUGGUCGGGCAUG
CAGGUCCACUGGUGCAGGUA
>random_seq_from_cds__NO_9410 RANDOM_LENGTH 82  SEQ_LENGTH    73
    GC_CONTENT    0.520547945205479    BASEPAIR  24  FREE_ENERGY
    -26.10 LEN_BP_RATIO  3.04166666666667
UGAAUUUGAGCUGGUCUGCAGGCUGGCGAUACUUCCUGUCACUCAGGAUUUCUCCAGCUCUCUUC
ACUUUCUCGACCUCUAC
>random_seq_from_cds__NO_9420 RANDOM_LENGTH 85  SEQ_LENGTH    69
    GC_CONTENT    0.478260869565217    BASEPAIR  28  FREE_ENERGY
    -25.10 LEN_BP_RATIO  2.46428571428571
GUCUGACUUAUACAAAUUCGUCACUCUGGAGGUCAUAGGCUUUCCGUGCAUGAAUGAUGUCAUUC
UGGUCGGGCAGGCAGAUCCA
>random_seq_from_cds__NO_9422 RANDOM_LENGTH 101 SEQ_LENGTH    61
    GC_CONTENT    0.508196721311475    BASEPAIR  22  FREE_ENERGY
    -20.20 LEN_BP_RATIO  2.77272727272727
UGUACCUUGUCUUGUAUUUCUCAAAAUCUUUCUUGUACUCACGGUCACUCUGCACUUUGGCAAUG
UGGAGGGACCACAUUAUCUUGGGGUCAUCGUGUACU
>random_seq_from_cds__NO_9442 RANDOM_LENGTH 78  SEQ_LENGTH    46
    GC_CONTENT    0.478260869565217    BASEPAIR  19  FREE_ENERGY
    -21.60 LEN_BP_RATIO  2.42105263157895
AAAAUCUGGGUGGCUCGUUUAUUUUUCUCAUCCUCGAGAGAACCACUAGUCAUCCAGCCAAUGCC
UUUUAGCCACUGA
>random_seq_from_cds__NO_9448 RANDOM_LENGTH 86  SEQ_LENGTH    64
    GC_CONTENT    0.453125  BASEPAIR  24  FREE_ENERGY   -15.40
    LEN_BP_RATIO  2.66666666666667
GCUUUAGCCAGAACAAUGUCAGGUGUAUCAGGCAUGAUGUGGAUCUGAGUCUUGUCUUUGUCCCA
AGCUUCUCUAUAAAGUCUCAU
>random_seq_from_cds__NO_9454 RANDOM_LENGTH 89  SEQ_LENGTH    75
    GC_CONTENT    0.413333333333333    BASEPAIR  22  FREE_ENERGY
    -17.40 LEN_BP_RATIO  3.40909090909091
CUUGUAUUCUCUUUCACUCUGCAUUUUGGCUACAUUCAUGGACAACACAAGUUUUGGGUCAUCUU
GCAGACUCCGGAAUCCAACAUGGU
>random_seq_from_cds__NO_9457 RANDOM_LENGTH 86  SEQ_LENGTH    79
    GC_CONTENT    0.354430379746835    BASEPAIR  28  FREE_ENERGY
    -15.90 LEN_BP_RATIO  2.82142857142857
AAAUAUCUGGUGUAUCAGGCAUCACAUGAAUCUUGGUCUUAUCUUUAUUCCAAUCAAUGGUGUAU
AAAUGCCUUGUUCAUGGUAUG
>random_seq_from_cds__NO_9460 RANDOM_LENGTH 73  SEQ_LENGTH    63
    GC_CONTENT    0.444444444444444    BASEPAIR  23  FREE_ENERGY
    -18.70 LEN_BP_RATIO  2.73913043478261
UGGUCAGCUCAAUGUUCAUUGCAUCUGGAAGGAGGAUGUACUUGUGAAUCAGGUGCUUGUAGUUA
GUGUUGGU
>random_seq_from_cds__NO_9465 RANDOM_LENGTH 82  SEQ_LENGTH    62
    GC_CONTENT    0.483870967741936    BASEPAIR  22  FREE_ENERGY
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    -17.10 LEN_BP_RATIO  2.81818181818182
AAUCUGGGGGAUAUCAGGCAUGAUGUGGACUUUGGUUUUGUCAGCCUCCCAUGCUUGUUUGUAGA
GAUGCUUCGUUCAUAAU
>random_seq_from_cds__NO_9470 RANDOM_LENGTH 68  SEQ_LENGTH    59
    GC_CONTENT    0.559322033898305   BASEPAIR  23  FREE_ENERGY
    -25.30 LEN_BP_RATIO  2.56521739130435
GUCCACCGGGGUGUGGAAGGAGGUCUUGGAUUUCUCAUAUCCCUUCUUGUAUUCCCGGUCUGACU
GCA
>random_seq_from_cds__NO_9475 RANDOM_LENGTH 81  SEQ_LENGTH    70
    GC_CONTENT    0.485714285714286   BASEPAIR  24  FREE_ENERGY
    -17.40 LEN_BP_RATIO  2.91666666666667
CAGUUUGUUACUCUUGUUAAGUGCCUGUUCCAUUGUGUCCAUGGCGUAAGUGAACUUCAGCUUCU
CGGGGUGCUGGCGAUA
>random_seq_from_cds__NO_9486 RANDOM_LENGTH 87  SEQ_LENGTH    68
    GC_CONTENT    0.397058823529412   BASEPAIR  26  FREE_ENERGY
    -16.60 LEN_BP_RATIO  2.61538461538462
ACUCGUCUUUAUACACAUUCAUCACUCUGAAUUUGAUUGACAUUCCUCGUAUGCUCAAGACUCAU
GGCGUCAGGUAGGUAUGUGUAA
>random_seq_from_cds__NO_9487 RANDOM_LENGTH 81  SEQ_LENGTH    67
    GC_CONTENT    0.477611940298507   BASEPAIR  22  FREE_ENERGY
    -18.30 LEN_BP_RATIO  3.04545454545455
UGAUGCAAUGGCUGUUUGUAGUUGACAUUGGUAGCGACAUCCUGGGCCAUCUUUGCAGCUGUGAU
GCUAACCAUGUCCCCA
>random_seq_from_cds__NO_9490 RANDOM_LENGTH 78  SEQ_LENGTH    66
    GC_CONTENT    0.5 BASEPAIR  23  FREE_ENERGY   -24.70 LEN_BP_RATIO
    2.8695652173913
AUGUUUCUCGAUGCCUUGGCUGCAGUGAUGGGAAUAGCAUCGCCCAGCACAUUGUUGCCCUUGGC
UAUUAAGUCAUAC
>random_seq_from_cds__NO_9500 RANDOM_LENGTH 100 SEQ_LENGTH    77
    GC_CONTENT    0.506493506493506   BASEPAIR  25  FREE_ENERGY
    -25.20 LEN_BP_RATIO  3.08
GAUGAACUGGGGCAGGUCUGGUGGCAGGUUGUAUUUGUGAAUAAUUUCCUCUCCUUUGGCUUUGU
AAGCGAUCAUCACUCCUCUGGGCCUGGUUAAUUUU
>random_seq_from_cds__NO_9503 RANDOM_LENGTH 89  SEQ_LENGTH    64
    GC_CONTENT    0.5625 BASEPAIR  23  FREE_ENERGY   -22.40
    LEN_BP_RATIO  2.78260869565217
UUUGUAUUCAACCAUCGCUCUGCAGCGCAUAUGCCUUCUUGGCAAGGUCCACAUUGAUGCUAUCA
GGGGGGUAGCUGUAACUGUGUAAG
>random_seq_from_cds__NO_9519 RANDOM_LENGTH 84  SEQ_LENGTH    57
    GC_CONTENT    0.473684210526316   BASEPAIR  21  FREE_ENERGY
    -17.20 LEN_BP_RATIO  2.71428571428571
ACUUGGGCUUGUAGCAGAACAGGAGAGUCUGUAACUUGGGUGAAUUUUGUCUUAUCUGGAUGGAC
UUUGUAGGUGUGCGUCUUU
>random_seq_from_cds__NO_9521 RANDOM_LENGTH 99  SEQ_LENGTH    76
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    GC_CONTENT    0.434210526315789    BASEPAIR  29  FREE_ENERGY
    -23.40 LEN_BP_RATIO  2.62068965517241
GUAUUCUGCUUUGUAGUUUUUCAUCACUGUUUUGAGCUGUGACUUUCAUGCAGUGUGAAUGGUAU
GGAUCCUCGAAGCUGCCUACAUAAUGUCCCAAAA
>random_seq_from_cds__NO_9523 RANDOM_LENGTH 95  SEQ_LENGTH    76
    GC_CONTENT    0.460526315789474    BASEPAIR  28  FREE_ENERGY
    -19.80 LEN_BP_RATIO  2.71428571428571
CUUUGCUUUUGUCUUUUCAUAGUUUUCCUUGUAUAGUUUCGUCACUUAGGGCAUCUCCUGCUGCC
UUCAGCUGCCUAAGCUGUGGGUUCUCUGAA
>random_seq_from_cds__NO_9526 RANDOM_LENGTH 88  SEQ_LENGTH    78
    GC_CONTENT    0.371794871794872    BASEPAIR  24  FREE_ENERGY
    -15.67 LEN_BP_RATIO  3.25
UGUGCUAAUGUUAUCAGCAUUCAUUCUGGCAUUUGCAACUUCAAAGCAAGGUGUCUCACUCCAUU
UGCCUUUGAUUUUAUUUUCAUAG
>random_seq_from_cds__NO_9528 RANDOM_LENGTH 102 SEQ_LENGTH    97
    GC_CONTENT    0.556701030927835    BASEPAIR  32  FREE_ENERGY
    -29.90 LEN_BP_RATIO  3.03125
AGCCAGAGGCGUGAAUUGAGCUUGCUGUUCAGCGAGACCUUUUUUGUAGGCAACCAUCACUGAGA
GCUUUCUGGGCCUGGGCAACUCUCCUCAGUUCCGGGC
>random_seq_from_cds__NO_9530 RANDOM_LENGTH 85  SEQ_LENGTH    73
    GC_CONTENT    0.506849315068493    BASEPAIR  24  FREE_ENERGY
    -21.10 LEN_BP_RATIO  3.04166666666667
CGGCCUGGACAAGUUCAGGGGCAUCAGGAGGAAGCAGGUACUUAUCCUUGGUGUCUUCCCAGUUC
UGCUUGUAUAAAACCCUUAC
>random_seq_from_cds__NO_9552 RANDOM_LENGTH 81  SEQ_LENGTH    64
    GC_CONTENT    0.625  BASEPAIR  23  FREE_ENERGY  -31.30
    LEN_BP_RATIO  2.78260869565217
UGUUCCUGUUACACCAGUCCCCUUGGCAGCACUCCACGGCUUGGCCAGGGGACGGCGGGGUCUUA
CAGGUCAUCUUUCCCU
>random_seq_from_cds__NO_9559 RANDOM_LENGTH 110 SEQ_LENGTH    72
    GC_CONTENT    0.513888888888889    BASEPAIR  24  FREE_ENERGY
    -23.80 LEN_BP_RATIO  3
ACUGGUGUAAGCAAACCUAGAGUUUCUGACGCUGUCCAGCCCAACAACUAUCUCAUCAGGACAGA
GCCAGAACAAGGAACCCUCUAUUCACCAGAACAGACAUCUCUCCA
>random_seq_from_cds__NO_9583 RANDOM_LENGTH 90  SEQ_LENGTH    64
    GC_CONTENT    0.578125  BASEPAIR  22  FREE_ENERGY  -23.13
    LEN_BP_RATIO  2.90909090909091
UAAAACCAUAUCUGACUCUUCUAGCAGAAAGUUCCAACCCAGCCACCUUGGAAGGCUCUGCAGGG
UCUCUCCAGAACCUCUCUGCUGGCA
>random_seq_from_cds__NO_9585 RANDOM_LENGTH 68  SEQ_LENGTH    59
    GC_CONTENT    0.474576271186441    BASEPAIR  20  FREE_ENERGY
    -16.80 LEN_BP_RATIO  2.95
GAUAACGAUAGAGUUGUUUCUUCCGUGGCAACAGCCUUGAGGAAUAUGGCACUAGAUGUUCGCAA
CAA
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>random_seq_from_cds__NO_9589 RANDOM_LENGTH 99  SEQ_LENGTH    84
    GC_CONTENT    0.464285714285714    BASEPAIR  27  FREE_ENERGY
    -19.77 LEN_BP_RATIO  3.11111111111111
GCAAUAUCGGGACCUCCGGAGCAUUUAUAAAAAGGGAUGGGUGGAAUCAGAACCAUUUUAUUACA
CCUGUGUCGACAUUGGAGCGAGACCGAUUCAAAU
>random_seq_from_cds__NO_9606 RANDOM_LENGTH 87  SEQ_LENGTH    63
    GC_CONTENT    0.46031746031746 BASEPAIR  22  FREE_ENERGY
    -16.55 LEN_BP_RATIO  2.86363636363636
CACUGGAUGCGCCAAGAAAUCUCUUUUGGAAAAUUAAAACUUACGAACAACAAAGGAGCUUCAAA
UAACAAUGGGCAGGAUGGUGGU
>random_seq_from_cds__NO_9644 RANDOM_LENGTH 88  SEQ_LENGTH    71
    GC_CONTENT    0.549295774647887    BASEPAIR  25  FREE_ENERGY
    -21.90 LEN_BP_RATIO  2.84
CUUUGGCUUGCUUCGUGGCCCCUCCAACACCAGGUGAAGCUGUUAGUCCCAGUAUCUGAGGAAGG
GGAAUCACUGGUUUGUUUUCUUU
>random_seq_from_cds__NO_9647 RANDOM_LENGTH 94  SEQ_LENGTH    68
    GC_CONTENT    0.338235294117647    BASEPAIR  23  FREE_ENERGY
    -16.30 LEN_BP_RATIO  2.95652173913043
CAGGACUUGACAACUUCUGGAAAUGAUAUUUUCAGUUGGGUAUCACCACUUAAUCCAAUAACACG
AUACCAUUUCUUCAAAAAUGGUUGGAACU
>random_seq_from_cds__NO_9658 RANDOM_LENGTH 65  SEQ_LENGTH    54
    GC_CONTENT    0.62962962962963 BASEPAIR  20  FREE_ENERGY
    -22.00 LEN_BP_RATIO  2.7
CAGACUCCCUUCUCCAAGGUGCUCAGCAGCAGUUCAACUGCCUGCAUGUUCCCGGAGGUGGCGAC
>random_seq_from_cds__NO_9664 RANDOM_LENGTH 110 SEQ_LENGTH    90
    GC_CONTENT    0.4 BASEPAIR  29  FREE_ENERGY   -18.00 LEN_BP_RATIO
    3.10344827586207
AUGGAACUUACUCUCGCCUUCAGUUUGGAAACCUGCAGAAUUAUGAUUGCCAUGUUGGAUGAGAG
AUCACACAGGAAAAAUGGGAUUUAAUGCAUUCAAAGAGCUAUGGG
>random_seq_from_cds__NO_9673 RANDOM_LENGTH 81  SEQ_LENGTH    55
    GC_CONTENT    0.345454545454545    BASEPAIR  20  FREE_ENERGY
    -16.60 LEN_BP_RATIO  2.75
ACACUGAAGGCGGUGUUUUAUUUCAAAUCUUUUUGAAAGAUCACCAAAUGCUUUCUUGUUUAACA
AUUUUUGCUGCAUCUG
>random_seq_from_cds__NO_9709 RANDOM_LENGTH 85  SEQ_LENGTH    66
    GC_CONTENT    0.454545454545455    BASEPAIR  22  FREE_ENERGY
    -18.66 LEN_BP_RATIO  3
AUAUUGGCUUUCUGAAUGGCUGUCUUGAAGGGCUUCUCCAGCUCAGUCUCAAGUGCUUCAAUGAA
CCGCCUCUCCUUUCCAAUUC
>random_seq_from_cds__NO_9721 RANDOM_LENGTH 84  SEQ_LENGTH    66
    GC_CONTENT    0.484848484848485    BASEPAIR  20  FREE_ENERGY
    -19.26 LEN_BP_RATIO  3.3
GAUGAGCAACUGAAAUGAUUGUGUGCCCAUGCUGAAUCCUUACUCAGCACUUCUUGCACCAUGGC
UUCACUCUCAUUGUCCAGA
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>random_seq_from_cds__NO_9723 RANDOM_LENGTH 69  SEQ_LENGTH    53
    GC_CONTENT    0.584905660377358    BASEPAIR  19  FREE_ENERGY
    -16.50 LEN_BP_RATIO  2.78947368421053
UUCUGGCCACCACUCAUCUGGCCUCCUCCUUCUCCAACAAGGGUGUCAAAUUGCCUGUGGCAGGU
CCAU
>random_seq_from_cds__NO_9727 RANDOM_LENGTH 84  SEQ_LENGTH    63
    GC_CONTENT    0.444444444444444    BASEPAIR  23  FREE_ENERGY
    -21.70 LEN_BP_RATIO  2.73913043478261
UUUAAUGACCAUGUUGAGGUCAUUUAGAAUCCUUCACCUCUGGUCUGGAAGGAUAAUGGAAGGUC
ACAUUAUGGAAUUCAAUUU
>random_seq_from_cds__NO_9744 RANDOM_LENGTH 110 SEQ_LENGTH    74
    GC_CONTENT    0.662162162162162    BASEPAIR  28  FREE_ENERGY
    -31.20 LEN_BP_RATIO  2.64285714285714
AGAUCCCGGGCGGGGGCACCGAGGGCUACCACGUUCUGCGGGGUACAAGAAAAUUCCCCAGGACA
CAGAGCUGGUUUGGAGCCUUUCUUUGAUUUUAUUGUUUCUAUUAA
>random_seq_from_cds__NO_9758 RANDOM_LENGTH 82  SEQ_LENGTH    70
    GC_CONTENT    0.642857142857143    BASEPAIR  25  FREE_ENERGY
    -20.30 LEN_BP_RATIO  2.8
ACUCACUGUGGAUGUGACGCCCCCCACUGCCAAGGCCCCCACCACCGUUGAGGACAGAGUCGGCG
ACUCCACCCCAGUCAGC
>random_seq_from_cds__NO_9761 RANDOM_LENGTH 85  SEQ_LENGTH    71
    GC_CONTENT    0.408450704225352    BASEPAIR  25  FREE_ENERGY
    -17.90 LEN_BP_RATIO  2.84
UGACAUUAGAACUUUCUUUCCUGAGUAUACCCAUCAACUCUUUGGGGAUGAGUGAAACUGCUUUU
GGUUACAAGGGUCUAAAGAU
>random_seq_from_cds__NO_9774 RANDOM_LENGTH 81  SEQ_LENGTH    72
    GC_CONTENT    0.736111111111111    BASEPAIR  26  FREE_ENERGY
    -30.60 LEN_BP_RATIO  2.76923076923077
CCGCCGUGAUGGUGGUGGUGGUGAUGCGGCUGCGGGGUCUGAGUGGGGUGCAGCAGCGGCGCCGU
GGCCUGCAGGUGUGAG
>random_seq_from_cds__NO_9779 RANDOM_LENGTH 82  SEQ_LENGTH    73
    GC_CONTENT    0.520547945205479    BASEPAIR  28  FREE_ENERGY
    -27.70 LEN_BP_RATIO  2.60714285714286
CUGGAAACUGGAGUAGAUGGUGCGGGGUUUCCGGACUUUCUUUGGCUUCCCGUUCACUAUCCGAA
UUUCAGGCUCAAGGUCC
>random_seq_from_cds__NO_9780 RANDOM_LENGTH 68  SEQ_LENGTH    57
    GC_CONTENT    0.596491228070175    BASEPAIR  21  FREE_ENERGY
    -22.20 LEN_BP_RATIO  2.71428571428571
UCCUUCUCCAGGCUCGUUGUUGGCUGGGGACGAACUGGUUCCAUAGGGAGCGUAGGAGGUGUAGG
CGG
>random_seq_from_cds__NO_9781 RANDOM_LENGTH 81  SEQ_LENGTH    65
    GC_CONTENT    0.6 BASEPAIR  25  FREE_ENERGY   -26.20 LEN_BP_RATIO
    2.6
CGGUGUAGCCCAGGUCAUAGCUGCUCUUGGCGGAGUAAGGGACGUUGUUGAGGCCGCUGGCUUGG
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UACUGGUAGGAACCCA
>random_seq_from_cds__NO_9783 RANDOM_LENGTH 68  SEQ_LENGTH    59
    GC_CONTENT    0.711864406779661   BASEPAIR  19  FREE_ENERGY
    -27.10 LEN_BP_RATIO  3.10526315789474
ACCGGAAGGGUGGGCGACUCCUGGGGCUUGUGGAGGCUGCUGCUGCUGCUGUUGCCACCCGG
GCC
>random_seq_from_cds__NO_9793 RANDOM_LENGTH 97  SEQ_LENGTH    86
    GC_CONTENT    0.441860465116279   BASEPAIR  31  FREE_ENERGY
    -29.80 LEN_BP_RATIO  2.7741935483871
GAAGAUGGGCCUUAUGAAGUUGGUGGAGAGACUGAGCAUGAUGAAAGUCUCGUUCCUGUUCCUGC
UAACAGUUACUUAGGGUUUUUCUUUGGACUCA
>random_seq_from_cds__NO_9811 RANDOM_LENGTH 84  SEQ_LENGTH    75
    GC_CONTENT    0.386666666666667   BASEPAIR  29  FREE_ENERGY
    -19.10 LEN_BP_RATIO  2.58620689655172
UUGCUAAACCUUCCCAGGUGUAUUUUGGAGGUACAGUUGUUGGCGAGCAAGCUAUGAAAUCUGAA
GAUGAAGUGGGAAGUUUAA
>random_seq_from_cds__NO_9812 RANDOM_LENGTH 85  SEQ_LENGTH    65
    GC_CONTENT    0.461538461538462   BASEPAIR  20  FREE_ENERGY
    -15.01 LEN_BP_RATIO  3.25
UAGAGUAUGAAUUCAGGGGUAAUAAACUUAGGUAAACCUCUUACAAACCUCGGCACAGCAACCUU
GAACAUUCAGUGGCCAAAAG
>random_seq_from_cds__NO_9817 RANDOM_LENGTH 89  SEQ_LENGTH    81
    GC_CONTENT    0.506172839506173   BASEPAIR  29  FREE_ENERGY
    -28.12 LEN_BP_RATIO  2.79310344827586
CUGCCGAAAAUAUCAGGCUGCCAAAUGCAGGCACUCAGGGUUCGAGUGACUGUGUUUCCCUCAAA
GACUGUAGCUCAGUAUUCGGGAGU
>random_seq_from_cds__NO_9824 RANDOM_LENGTH 84  SEQ_LENGTH    72
    GC_CONTENT    0.555555555555556   BASEPAIR  26  FREE_ENERGY
    -28.10 LEN_BP_RATIO  2.76923076923077
UGGGAUAGUGUCGAUAAAAACCCUUCCGCACCCAGUUGGGCAUGACAUGGGUGCUGGGUGAGCGG
UGGUGUGUGUUGAUGACGA
>random_seq_from_cds__NO_9825 RANDOM_LENGTH 84  SEQ_LENGTH    70
    GC_CONTENT    0.471428571428571   BASEPAIR  22  FREE_ENERGY
    -18.00 LEN_BP_RATIO  3.18181818181818
UGACAGUGAUGAUGAUGGAGGCAAUGACGAACACCAUGGUGAACAGCAUGUAUUUUCCAAUCAAG
GGCACAGCACUGGACGUGG
>random_seq_from_cds__NO_9831 RANDOM_LENGTH 68  SEQ_LENGTH    57
    GC_CONTENT    0.508771929824561   BASEPAIR  19  FREE_ENERGY
    -17.70 LEN_BP_RATIO  3
CUCACAGUAGCUUUUAAAGAUGGCUGGAGGUGUCCACGUGAUGUGGCCAGUGUACUGCAGGAGCA
CUU
>random_seq_from_cds__NO_9838 RANDOM_LENGTH 85  SEQ_LENGTH    68
    GC_CONTENT    0.867647058823529   BASEPAIR  26  FREE_ENERGY
    -47.00 LEN_BP_RATIO  2.61538461538462
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CGGGGCGGGCGGCGGCGGCGGCAGCGGCGGCUGCGGCGGCGGCGGCGGCAGCCUCCGGCUUUGCG
UACCCCGGGACCUCUGAGCG
>random_seq_from_cds__NO_9841 RANDOM_LENGTH 69  SEQ_LENGTH    58
    GC_CONTENT    0.672413793103448    BASEPAIR  20  FREE_ENERGY
    -20.50 LEN_BP_RATIO  2.9
CCGUAUGUCGCACGGCGUGGGCUUACAGCAGAAUGCGCUCAAGUCAUCGCCGCACGCCUCGCUGG
GAGG
>random_seq_from_cds__NO_9853 RANDOM_LENGTH 81  SEQ_LENGTH    66
    GC_CONTENT    0.757575757575758    BASEPAIR  23  FREE_ENERGY
    -32.50 LEN_BP_RATIO  2.8695652173913
ACGCCGGGCUCCACGACCCUGCUCCAGGGGGCUCCCUGCGCCCCUGGCUUCAAGGACGACACCAA
GGGCCCGCUCAACUUG
>random_seq_from_cds__NO_9858 RANDOM_LENGTH 84  SEQ_LENGTH    74
    GC_CONTENT    0.662162162162162    BASEPAIR  25  FREE_ENERGY
    -32.60 LEN_BP_RATIO  2.96
AACGACUUUGACGAGUGCGGCCAGAGCGCAGCCAGCAUGUACCUGCCGGGCUGCGCCUACUAUGU
GGCCCCGUCUGACUUCGCU
>random_seq_from_cds__NO_9860 RANDOM_LENGTH 87  SEQ_LENGTH    79
    GC_CONTENT    0.873417721518987    BASEPAIR  28  FREE_ENERGY
    -48.70 LEN_BP_RATIO  2.82142857142857
CGGCCUGGAGCGCGCCAAGUGGCCGUACCGCGGCGGCGGCGGCGGCAGCGCGGGGGGCGGCA
GCAGCGGGGGCGGCCCCGGCGG
>random_seq_from_cds__NO_9885 RANDOM_LENGTH 81  SEQ_LENGTH    76
    GC_CONTENT    0.815789473684211    BASEPAIR  28  FREE_ENERGY
    -45.00 LEN_BP_RATIO  2.71428571428571
GCCUCUGCCUCCGAGCCCGGCCGCUACGUGCGCUCCUGGAUGGAGCCGCUGCCCGGCUUCCCGGG
CGGUGCGGGCGGUGGC
>random_seq_from_cds__NO_9903 RANDOM_LENGTH 84  SEQ_LENGTH    73
    GC_CONTENT    0.520547945205479    BASEPAIR  21  FREE_ENERGY
    -19.80 LEN_BP_RATIO  3.47619047619048
CCAAGAGCUGGAGGAAGACAGAGCCGAAGGCCUGACAAAUUAAAAUGGUCAUGAGUUCGUAUAUG
GUGAACUCCAAGUAUGUGG
>random_seq_from_cds__NO_9908 RANDOM_LENGTH 75  SEQ_LENGTH    69
    GC_CONTENT    0.666666666666667    BASEPAIR  21  FREE_ENERGY
    -21.40 LEN_BP_RATIO  3.28571428571429
GCCCUCCGGGACGGCACUCAAGCAGCCGGCCGUGGUCUACCCCUGGAUGAAGAAGGUGCACGUGA
AUUCGGGUGA
>random_seq_from_cds__NO_9910 RANDOM_LENGTH 86  SEQ_LENGTH    54
    GC_CONTENT    0.611111111111111    BASEPAIR  20  FREE_ENERGY
    -21.90 LEN_BP_RATIO  2.7
AAAAAGAAUUUCAUUUUAACAGGUAUCUGACAAGGCGCCGUCGGAUUGAAAUCGCUCACACCCUG
UGUCUGUCGGAGCGCCAGAUC
>random_seq_from_cds__NO_9931 RANDOM_LENGTH 68  SEQ_LENGTH    64
    GC_CONTENT    0.75   BASEPAIR  25  FREE_ENERGY   -33.50
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    LEN_BP_RATIO  2.56
GGGCCUACGAACCUGGUGCCGCACCUGCCGCGGCAGCUGGGGGCGCGGACUACGGCUUCCUGGGG
UCC
>random_seq_from_cds__NO_9947 RANDOM_LENGTH 89  SEQ_LENGTH    77
    GC_CONTENT    0.363636363636364    BASEPAIR  26  FREE_ENERGY
    -16.50 LEN_BP_RATIO  2.96153846153846
UGUAGUUAAGAUUGUGAAUCUAGCUUGCAAAUAUAAUCUUUGUAUCAUACCAAUUGGUGGGAGGA
ACAAGUGUUUCAUAUGGCCUGAUG
>random_seq_from_cds__NO_9973 RANDOM_LENGTH 75  SEQ_LENGTH    63
    GC_CONTENT    0.507936507936508    BASEPAIR  22  FREE_ENERGY
    -20.70 LEN_BP_RATIO  2.86363636363636
AAGGCUUGGAUCGUACUUUGGAGCUUCUGUCUGUGCUGUGGACCUCAAUGCAGAUGGCUUCUCAG
AUCUGCUCGU
>random_seq_from_cds__NO_9980 RANDOM_LENGTH 110 SEQ_LENGTH    91
    GC_CONTENT    0.395604395604396    BASEPAIR  32  FREE_ENERGY
    -19.20 LEN_BP_RATIO  2.84375
GUUGAAAAUGGAUGGCCUUCUGUGUGCAUAGAUCUAACACUUUGUUUCUCAUAUAAGGGCAAGGA
AGUUCCAGGUUACAUUGGUUUUGUUUUAUAACAUGAGUUUGGAUG
>random_seq_from_cds__NO_9992 RANDOM_LENGTH 88  SEQ_LENGTH    59
    GC_CONTENT    0.372881355932203    BASEPAIR  20  FREE_ENERGY
    -17.40 LEN_BP_RATIO  2.95
UUUUAGCCCCCAAACUGAUAAGCUGUUCAACAUUUUGGAUGUCCAGGACUACUACUGGAGAAUGC
CACUUUGAAAAUUAUCAAAGAGU
>random_seq_from_cds__NO_10003    RANDOM_LENGTH 89  SEQ_LENGTH    68
    GC_CONTENT    0.617647058823529    BASEPAIR  23  FREE_ENERGY
    -37.80 LEN_BP_RATIO  2.95652173913043
CCCUCCUGGUAUUCCUGGGAGAAAUGGUGACCCUGGUAUUCCAGGACAACCAGGGUCCCCUGGUU
CUCCUGGCCCCCCUGGAAUCUGUG
>random_seq_from_cds__NO_10004    RANDOM_LENGTH 94  SEQ_LENGTH    80
    GC_CONTENT    0.5375 BASEPAIR  29  FREE_ENERGY   -26.00
    LEN_BP_RATIO  2.75862068965517
AAUCAUGCCCUACUGGUCCUCAGGAACUAUUCUCCCCAGUAUGAUUCAUAUGAUGUCAAGUCUGG
AGUAGCAGUAGGAGGACUCGCAGGCUAUC
>random_seq_from_cds__NO_10019    RANDOM_LENGTH 110 SEQ_LENGTH
    104 GC_CONTENT    0.625  BASEPAIR  36  FREE_ENERGY   -41.90
    LEN_BP_RATIO  2.88888888888889
CCAUCUGGUCCCCGAGGUCAGCCUGGUGUCAUGGGCUUCCCCGGUCCUAAAGGAAAUGAUGGGUG
CUCCUGGUAAGAAUGGAGAACGAGGUGGCCCUGGAGGACCUGGCC
>random_seq_from_cds__NO_10029    RANDOM_LENGTH 80  SEQ_LENGTH    70
    GC_CONTENT    0.657142857142857    BASEPAIR  25  FREE_ENERGY
    -30.60 LEN_BP_RATIO  2.8
UCCCUGGUGCUCGUGGUCUUCCUGGUCCUCCUGGUAGUAAUGGGUAACCCAGGACCCCCAGGUCC
CAGCGGUUCUCCAGG
>random_seq_from_cds__NO_10038    RANDOM_LENGTH 70  SEQ_LENGTH    56
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   GC_CONTENT   0.607142857142857   BASEPAIR  20  FREE_ENERGY
   -26.60 LEN_BP_RATIO  2.8
GGCCCCAGAGGGACCUGUUGGACCCAGUGGACCUCCUGGCAAAGAUGGAACCAGUGGACAUCCAG
GUCCC
>random_seq_from_cds__NO_10055   RANDOM_LENGTH 81  SEQ_LENGTH   66
   GC_CONTENT   0.409090909090909   BASEPAIR  21  FREE_ENERGY
   -16.90 LEN_BP_RATIO  3.14285714285714
UUUACGUGGUACACUGGAUGGGUUUGCUGAAAUACAUGUUUCUCCUGUUUCCAUGUUGCAGUAAA
CUUUGAUUGCAUCUUC
>random_seq_from_cds__NO_10059   RANDOM_LENGTH 85  SEQ_LENGTH   65
   GC_CONTENT   0.753846153846154   BASEPAIR  23  FREE_ENERGY
   -38.30 LEN_BP_RATIO  2.82608695652174
UGGCCAGGGGGACCCGGAGGGCCAGGUGGGCCAGGCUCACCAGGAGGGCCCCUCAGGUCCUGCUU
CUCCUACACUGCCUCGUACA
>random_seq_from_cds__NO_10060   RANDOM_LENGTH 81  SEQ_LENGTH   68
   GC_CONTENT   0.647058823529412   BASEPAIR  25  FREE_ENERGY
   -37.22 LEN_BP_RATIO  2.72
CCUGGAGGUCCAAUUGGCCCAAGUGGCCCAGGGUUUCCUUCUUUACCUGAAGGACCAACUGGGCC
UGGAGGACCCUCUUGG
>random_seq_from_cds__NO_10063   RANDOM_LENGTH 71  SEQ_LENGTH   57
   GC_CONTENT   0.649122807017544   BASEPAIR  21  FREE_ENERGY
   -27.71 LEN_BP_RATIO  2.71428571428571
GAACCCCGGAUCUCCUCUUUGUCCUGCAUCUCCUGGAGCACCCACAGGGCCAGGAGUUCCAGGGG
CACCCU
>random_seq_from_cds__NO_10065   RANDOM_LENGTH 84  SEQ_LENGTH   66
   GC_CONTENT   0.606060606060606   BASEPAIR  24  FREE_ENERGY
   -33.80 LEN_BP_RATIO  2.75
GUUCCCCUACAGGACCAUUGGAGCCUGGGGGCCCCACAGGUCCAGGUGGACCUUUAUCUCCUGUU
GCACCAGUUGGUCCUACUU
>random_seq_from_cds__NO_10066   RANDOM_LENGTH 99  SEQ_LENGTH   77
   GC_CONTENT   0.649350649350649   BASEPAIR  26  FREE_ENERGY
   -34.23 LEN_BP_RATIO  2.96153846153846
UUCCUGGUGUUCCCCGCUGGGCCUGGUAGGCCGGGCAUGCCUCUCUCUCCACGUUGCCCAGGCAU
GCCAACAAUUCCUCUCUGCCCGGUCGUUCCAGCU
>random_seq_from_cds__NO_10073   RANDOM_LENGTH 81  SEQ_LENGTH   63
   GC_CONTENT   0.603174603174603   BASEPAIR  21  FREE_ENERGY
   -21.60 LEN_BP_RATIO  3
UUUUCUCCAGUAGGACCUGCCGGACCUGGAGGGCCCAAAGGACCUGGAAGACCCUCUUGCACCAU
CAUUUCCAGCUGUGCC
>random_seq_from_cds__NO_10085   RANDOM_LENGTH 79  SEQ_LENGTH   69
   GC_CONTENT   0.666666666666667   BASEPAIR  25  FREE_ENERGY
   -32.30 LEN_BP_RATIO  2.76
ACCCUGAGGUCCUGGAGAUCCAGGAGGCCCUGCUGAGCCAGGAGGACCAGAGGUACCUGGAGAGC
CCCGUUGGGCCUUU
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>random_seq_from_cds__NO_10133    RANDOM_LENGTH 95  SEQ_LENGTH    78
    GC_CONTENT    0.41025641025641 BASEPAIR  28  FREE_ENERGY
    -17.20 LEN_BP_RATIO  2.78571428571429
GGGUUUGCUUGGUGUACCAGAUGAGUAUGAGGAUAUUUUUGUAAAAAUACAAAUUCACACUCUCC
AGAGCAGUAAUUGGCCUUAUAUCUUUUAGG
>random_seq_from_cds__NO_10137    RANDOM_LENGTH 86  SEQ_LENGTH    72
    GC_CONTENT    0.458333333333333   BASEPAIR  24  FREE_ENERGY
    -18.90 LEN_BP_RATIO  3
GGAUUCAGGUUGUUUGAGCCAAUUUUGCAACACUGUCUUCACAUCAAUGCUCUGCCAAAUACCAG
UGCCUGGGUUCAUGUCAAGUU
>random_seq_from_cds__NO_10140    RANDOM_LENGTH 95  SEQ_LENGTH    57
    GC_CONTENT    0.43859649122807 BASEPAIR  21  FREE_ENERGY
    -16.80 LEN_BP_RATIO  2.71428571428571
UCCAUCCACUUGCAUUAGAAAAUCAGCACUCUGUAGGCAUGGUAAUGAUUGUUUCCGUUGUAGCG
UGAUAAUCGUCAUCUUCCAAAGAGCCAUCG
>random_seq_from_cds__NO_10144    RANDOM_LENGTH 80  SEQ_LENGTH    54
    GC_CONTENT    0.666666666666667   BASEPAIR  19  FREE_ENERGY
    -21.90 LEN_BP_RATIO  2.84210526315789
GUCAGAUAUCCUCCGGGAGCUGCUCUGUGUCUCUGAGAAGGCUGCUAACAUUGCCCGGGCGUGCA
GACAGCAGGAAGCCC
>random_seq_from_cds__NO_10164    RANDOM_LENGTH 93  SEQ_LENGTH    65
    GC_CONTENT    0.430769230769231   BASEPAIR  21  FREE_ENERGY
    -20.33 LEN_BP_RATIO  3.0952380952381
UUCAGAAUGGUCCACCCAGGUGAAAGUUAUUCCUCCGAGAUGGCUUUCACUGAAUCUUAAUAAAA
AGGUGCCAGGCAUUUUAUCCUUUAGCAA
>random_seq_from_cds__NO_10182    RANDOM_LENGTH 87  SEQ_LENGTH    68
    GC_CONTENT    0.382352941176471   BASEPAIR  19  FREE_ENERGY
    -15.57 LEN_BP_RATIO  3.57894736842105
GAGUAGGUUUUUCUCUUUGGAAACACGACCUAACUGUUCAUCCAGUUGUAUUAACAAGUUUUGAA
GAAGAAUCGUUGCCAUGGUUUC
>random_seq_from_cds__NO_10201    RANDOM_LENGTH 102 SEQ_LENGTH    89
    GC_CONTENT    0.550561797752809   BASEPAIR  31  FREE_ENERGY
    -35.40 LEN_BP_RATIO  2.87096774193548
UGGAGGCGUUGGUCCAGCCACCAUCUGUGCCAAGAAUUCCUGCCAGAAACUCAUUGGAAGGGCAC
UGGAACGAACAGAUGCUGGAUAUAGCCUGCAGGCUUA
>random_seq_from_cds__NO_10202    RANDOM_LENGTH 80  SEQ_LENGTH    66
    GC_CONTENT    0.53030303030303 BASEPAIR  27  FREE_ENERGY
    -28.00 LEN_BP_RATIO  2.44444444444444
UUCUGAAUGAAGUCUCCCUUUUGGGCUCGGCGCCAGGUGGGAAAGUGGAGUUCAAGAGGACUCUC
AUCAUCAGCUUCCUC
>random_seq_from_cds__NO_10214    RANDOM_LENGTH 102 SEQ_LENGTH    79
    GC_CONTENT    0.518987341772152   BASEPAIR  27  FREE_ENERGY
    -22.70 LEN_BP_RATIO  2.92592592592593
AGGCUGGAUUCAUGAACGAUGGCAGAAUCUUGGCCCUGGACAUGGAGCAUUACAGCAAUGCAGGC
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GCCUCCUUGGAUGAAUCAUUAUUCGGUGAUAGAAAUG
>random_seq_from_cds__NO_10223    RANDOM_LENGTH 110 SEQ_LENGTH
    103 GC_CONTENT    0.475728155339806    BASEPAIR   34  FREE_ENERGY
    -33.30 LEN_BP_RATIO  3.02941176470588
UUCAGCUGUUGGAUACUUCAGGAGGUUAUGAGUCAGACAUGAACUGGGAGAAAGGCGAAGGCCAG
CCCUUCGAAUACUUUGUUUAUGGAGCUGCCUGUUCCGAGGUUGAA
>random_seq_from_cds__NO_10243    RANDOM_LENGTH 80  SEQ_LENGTH    67
    GC_CONTENT    0.492537313432836    BASEPAIR   24  FREE_ENERGY
    -23.00 LEN_BP_RATIO  2.79166666666667
UCAUCUCGGCGGGUGACAUUUCACUAUAAGAGAAGCAGUCUGAGUUACUUUGGAGGUGUCUGUUC
UCGCACAAGAGGAGU
>random_seq_from_cds__NO_10251    RANDOM_LENGTH 110 SEQ_LENGTH    94
    GC_CONTENT    0.48936170212766 BASEPAIR   35  FREE_ENERGY
    -24.40 LEN_BP_RATIO  2.68571428571429
AACUGCGGGAAGGAUGGAGACCGGUGGAUUCAGUGCAGCAAACAGUGAUGUGUUCUGUGGAUUCU
UACUCUGUACCAAUCUUACUCGAGCUCCACGUAUUGGUCAACUUC
>random_seq_from_cds__NO_10254    RANDOM_LENGTH 84  SEQ_LENGTH    77
    GC_CONTENT    0.571428571428571    BASEPAIR   23  FREE_ENERGY
    -22.26 LEN_BP_RATIO  3.34782608695652
GGCCAUGGGGGUGUGUAGUAAUGAAGCCACCUGCAUUUGUGAUUUCACCUGGGCAGGGACAGAUU
GCAGUAUCCGGGAUCCAGU
>random_seq_from_cds__NO_10266    RANDOM_LENGTH 97  SEQ_LENGTH    81
    GC_CONTENT    0.62962962962963 BASEPAIR   30  FREE_ENERGY
    -35.20 LEN_BP_RATIO  2.7
ACUGUCUUGGGGGAUGAGACAACAGGAGCGGAUGGAGUCGCUGAGGCCCAUCCAUUGCUGGUAGU
CGGGGUACUCCCCUCGCCGCAGCAAGUAUUGU
>random_seq_from_cds__NO_10270    RANDOM_LENGTH 64  SEQ_LENGTH    52
    GC_CONTENT    0.596153846153846    BASEPAIR   21  FREE_ENERGY
    -21.20 LEN_BP_RATIO  2.47619047619048
GGAUCCAGCUGCCCUCCAGCACAUUGAGGGAGUGAAUUUCAGUGAGGUGGAAGCGGUCCUGAAC
>random_seq_from_cds__NO_10296    RANDOM_LENGTH 64  SEQ_LENGTH    57
    GC_CONTENT    0.491228070175439    BASEPAIR   22  FREE_ENERGY
    -21.70 LEN_BP_RATIO  2.59090909090909
CCAUUCAGCAAACCUUACAGGCCCUAUACAGGUACUUCAUGUCCUGUGUGAGGUUGUAGAGUGU
>random_seq_from_cds__NO_10311    RANDOM_LENGTH 99  SEQ_LENGTH    84
    GC_CONTENT    0.5 BASEPAIR   31  FREE_ENERGY   -33.40 LEN_BP_RATIO
    2.70967741935484
GAAGGUUCCCCACAAAUAGAAGUAGCAUCCAUCAAACAGCUUUGGCAACCAGCUGUUCUCUGUUG
AGCCUGCUUCUGCGUGGACCUUCAGGAAUUUCAU
>random_seq_from_cds__NO_10317    RANDOM_LENGTH 78  SEQ_LENGTH    61
    GC_CONTENT    0.524590163934426    BASEPAIR   24  FREE_ENERGY
    -20.20 LEN_BP_RATIO  2.54166666666667
UCUUGGCUGCAUCGUGAAGUGGUGAGUCAUUUUGAUACCCGGUGGUGUUCACCAAUGCCUUAUGC
UGGAGCAAUAAUU
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>random_seq_from_cds__NO_10334    RANDOM_LENGTH 85  SEQ_LENGTH    60
    GC_CONTENT    0.666666666666667    BASEPAIR  24  FREE_ENERGY
    -36.70 LEN_BP_RATIO  2.5
GAUCCUCGGCUGCCGGUUCCUCGGCUGCCGAUUAUCCGGCAUCAUGGUGCGGUCGGGGAAUAAGG
GCAGCUGUUGUGCUGUGUAU
>random_seq_from_cds__NO_10342    RANDOM_LENGTH 96  SEQ_LENGTH    72
    GC_CONTENT    0.5 BASEPAIR  24  FREE_ENERGY   -20.60 LEN_BP_RATIO
    3
GCAUUCCAUUCACUGGCCCUGCCGACUGACCAUUGGCUCCAAUUUGUCUAUAAGGAUUGCAGCCU
AUAAAUCGGAUUCUACAGGAGAGAGUUAAAA
>random_seq_from_cds__NO_10385    RANDOM_LENGTH 88  SEQ_LENGTH    81
    GC_CONTENT    0.604938271604938    BASEPAIR  27  FREE_ENERGY
    -32.10 LEN_BP_RATIO  3
CGGCUGACCUGGUGGUGUUUGCUGAGCUGUUUUGGAACCCAGGGGGUGCUGAUCCAGGCUGAGGA
CCGCGUGCACCGCAUUGGACAGA
>random_seq_from_cds__NO_10391    RANDOM_LENGTH 70  SEQ_LENGTH    53
    GC_CONTENT    0.641509433962264    BASEPAIR  19  FREE_ENERGY
    -18.70 LEN_BP_RATIO  2.78947368421053
GUAACAUGGGCCAAACGUACCAAGAAAGUCGGGAUCGUCGGUAAAUACGGGACCCGCUAUGGGGC
CUCCC
>random_seq_from_cds__NO_10393    RANDOM_LENGTH 84  SEQ_LENGTH    59
    GC_CONTENT    0.627118644067797    BASEPAIR  23  FREE_ENERGY
    -25.00 LEN_BP_RATIO  2.56521739130435
GAAGAGACGAGCUGUGGGGAUCUGGCACUGUGGUUCCUGCAUGAAGACAGUGGCUGGCGGUGCCU
GGACGUACAAGUACCACUU
>random_seq_from_cds__NO_10400    RANDOM_LENGTH 70  SEQ_LENGTH    58
    GC_CONTENT    0.620689655172414    BASEPAIR  21  FREE_ENERGY
    -27.70 LEN_BP_RATIO  2.76190476190476
GGCAGGGCCAAUGGGAUGAUGGAGUGCUGGUAGACCAGGGCAGACAGCGAUCCCGAAGUUUGGCU
CAUUG
>random_seq_from_cds__NO_10402    RANDOM_LENGTH 87  SEQ_LENGTH    69
    GC_CONTENT    0.565217391304348    BASEPAIR  24  FREE_ENERGY
    -24.50 LEN_BP_RATIO  2.875
CCCUUUUUUAUUCUGCUGCAUGAUGGUUGGAGGUGGCGAAGACACCUUCAUGGCCAGCCCGUACG
CGCCUCGGAAGGAGUGACUGUC
>random_seq_from_cds__NO_10406    RANDOM_LENGTH 110 SEQ_LENGTH
    101 GC_CONTENT    0.673267326732673    BASEPAIR  36  FREE_ENERGY
    -48.00 LEN_BP_RATIO  2.80555555555556
GUCUCCCACUGACAUCCUUCGCUUCUCUGGCAAGGCUGGUGUUGGGCUCCCUUGCCGGAAGGCUG
CGGAGUCUGGUGACGGGGAGGUGGCAGGGCUGCUCAGGCCAGGGU
>random_seq_from_cds__NO_10409    RANDOM_LENGTH 89  SEQ_LENGTH    79
    GC_CONTENT    0.658227848101266    BASEPAIR  31  FREE_ENERGY
    -37.90 LEN_BP_RATIO  2.54838709677419
CCCAGGCUGGGGCUUCCAGGGCUGGCUAUUGCAUUGCUAUGAAGACCGGAGGCCAGGUUGCCUUG
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GUGAGCCCCAGGGUGCCGGCCCAG
>random_seq_from_cds__NO_10422    RANDOM_LENGTH 71  SEQ_LENGTH    63
    GC_CONTENT    0.587301587301587    BASEPAIR  26  FREE_ENERGY
    -30.90 LEN_BP_RATIO  2.42307692307692
CUGGACAGGGGAGCGAACCCCAGGGCUACGAGGGGAUGUGGCUUCUGGAGACUGGUUCUCAUACU
GUCCAU
>random_seq_from_cds__NO_10424    RANDOM_LENGTH 92  SEQ_LENGTH    85
    GC_CONTENT    0.588235294117647    BASEPAIR  28  FREE_ENERGY
    -30.90 LEN_BP_RATIO  3.03571428571429
CUGCUACCCUGUGGGCCACCAGCCCUUCUAAAUUCAAUGGCUCCUCCUCUGGAGUCCGGGAGGGG
UCUGAAGUCGCUUCCUUUGGUGAGAGC
>random_seq_from_cds__NO_10429    RANDOM_LENGTH 110 SEQ_LENGTH    98
    GC_CONTENT    0.612244897959184    BASEPAIR  32  FREE_ENERGY
    -35.10 LEN_BP_RATIO  3.0625
UGUGUAGUGGGGCAGCAGCGGAGGCUGGCUCCAGGUCCAGCAUCAGCAUAUUGAGUGUUUCGAUG
GACUGUUCAAUCUCCUGCUGGGAGGCUGCUCGCGGGAACUCAGGG
>random_seq_from_cds__NO_10430    RANDOM_LENGTH 71  SEQ_LENGTH    61
    GC_CONTENT    0.59016393442623 BASEPAIR  21  FREE_ENERGY
    -24.30 LEN_BP_RATIO  2.9047619047619
AGACUGGGGAUGGGGGUCUCUGCCAAUGGCUGAGGGCUGGGCCUGCUGGCUACAAGACUCUCCAA
GUGGGC
>random_seq_from_cds__NO_10433    RANDOM_LENGTH 72  SEQ_LENGTH    63
    GC_CONTENT    0.666666666666667    BASEPAIR  23  FREE_ENERGY
    -34.50 LEN_BP_RATIO  2.73913043478261
GGAGGUGGUCACUGGCUGUGGCCAGGCUGGGUGGGGCCCCUCCCUCUGGUAGCCAGCUAAACCCU
CCUGUGC
>random_seq_from_cds__NO_10435    RANDOM_LENGTH 67  SEQ_LENGTH    54
    GC_CONTENT    0.666666666666667    BASEPAIR  20  FREE_ENERGY
    -23.20 LEN_BP_RATIO  2.7
ACUUGUCCAGACCGUUGGUCAGUGGGGACAGGGCCUCUGGGUAGCCCCCCUCACUGGUGUUGGUG
AC
>random_seq_from_cds__NO_10442    RANDOM_LENGTH 71  SEQ_LENGTH    66
    GC_CONTENT    0.651515151515151    BASEPAIR  23  FREE_ENERGY
    -21.60 LEN_BP_RATIO  2.8695652173913
CCUCCCUCCAUGCCGUCAUCUCGAUGCCCACUGAAGUUGUCGUAGGAGUCCCAGCGGAUGAGGGG
GUCGGA
>random_seq_from_cds__NO_10446    RANDOM_LENGTH 72  SEQ_LENGTH    55
    GC_CONTENT    0.581818181818182    BASEPAIR  20  FREE_ENERGY
    -22.80 LEN_BP_RATIO  2.75
CAAGAGCAGUCCUGGCUCGAUGGUGAUGCAGACGCUAGUCUGGCUGUCUCCUGGGAUGUUGCUAG
AUGCCAG
>random_seq_from_cds__NO_10452    RANDOM_LENGTH 87  SEQ_LENGTH    62
    GC_CONTENT    0.548387096774194    BASEPAIR  21  FREE_ENERGY
    -20.30 LEN_BP_RATIO  2.95238095238095
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GCCAAAUUCCAGUACCCUUGGCAUGGAGCUUCGUGAUGUCAGGUCUCCGCUCAGAGAGGUUGAAC
AGCCAGGUAGUUGCCUCCAUGU
>random_seq_from_cds__NO_10465    RANDOM_LENGTH 71  SEQ_LENGTH    58
    GC_CONTENT    0.551724137931034   BASEPAIR  19  FREE_ENERGY
    -17.71 LEN_BP_RATIO  3.05263157894737
CAGACCUCCUCCUUAGUGUCCACCUGCCACACUUUCAAGAGGCCACUCAUGUCCCCUGUGGCCAC
UAGAGU
>random_seq_from_cds__NO_10469    RANDOM_LENGTH 102 SEQ_LENGTH    67
    GC_CONTENT    0.611940298507463   BASEPAIR  21  FREE_ENERGY
    -21.46 LEN_BP_RATIO  3.19047619047619
CGUUGCCCUCUUCCUCCUCUUCUUCCUCAAAGUCCACAUCUUCCAUCUCCUGGGCCAGGUCAUCC
UGGGUCCGGCGGACCGGGAUCAAGUUCUACCACCUCG
>random_seq_from_cds__NO_10484    RANDOM_LENGTH 87  SEQ_LENGTH    68
    GC_CONTENT    0.602941176470588   BASEPAIR  23  FREE_ENERGY
    -25.60 LEN_BP_RATIO  2.95652173913043
AAAACCCACACUGUGGGCUCCGUGGGCCAAAGUGGAACAGGUGAAGUUCGAUGCCACAUCCAUGC
AUGUCAAGCCUCAGGUGGCUGC
>random_seq_from_cds__NO_10499    RANDOM_LENGTH 99  SEQ_LENGTH    62
    GC_CONTENT    0.532258064516129   BASEPAIR  20  FREE_ENERGY
    -19.36 LEN_BP_RATIO  3.1
CCUGUCCAUUGAAGAUUUCACUCAGGCCUUUGGGAUGACUCCAGCUGCCUUCUCUGCUCUGCCUC
GAUGGAAGCAACAAAACCUCAAGAAAGAAAAAGG
>random_seq_from_cds__NO_10500    RANDOM_LENGTH 90  SEQ_LENGTH    71
    GC_CONTENT    0.802816901408451   BASEPAIR  28  FREE_ENERGY
    -47.40 LEN_BP_RATIO  2.53571428571429
ACUAUUUUGACAUGGCUGCGCUGGGCUGCGCGAGGCUGAGGUGGGCGCUGCGAGGGGCCGGCCGU
GGCCUCUGCCCCCACGGGGCCAGAG
>random_seq_from_cds__NO_10506    RANDOM_LENGTH 70  SEQ_LENGTH    59
    GC_CONTENT    0.559322033898305   BASEPAIR  22  FREE_ENERGY
    -16.60 LEN_BP_RATIO  2.68181818181818
GGUGAUUGAUGACUUUAUGACUCGACUGGACCAGCUGCGGGCAGAGAGUGCUUCGGGGAACCAGG
UGUCG
>random_seq_from_cds__NO_10509    RANDOM_LENGTH 84  SEQ_LENGTH    57
    GC_CONTENT    0.526315789473684   BASEPAIR  22  FREE_ENERGY
    -25.00 LEN_BP_RATIO  2.59090909090909
CCCGUGCUGCCUUUCUGGAAGCGAUACCUGGAUGGUUGGAAUGCCAUCUUUUCCUUUGGGGAAGA
AGCUGAUUGAUGAGAAGCU
>random_seq_from_cds__NO_10526    RANDOM_LENGTH 82  SEQ_LENGTH    76
    GC_CONTENT    0.684210526315789   BASEPAIR  25  FREE_ENERGY
    -28.30 LEN_BP_RATIO  3.04
UGCGGAGCCACACGCGCACCGAGUGCAAAUGCCACGGGCUGUCGGGAUCAUGCGCGCUGCGCACC
UGCUGGCAGAAGCUGCC
>random_seq_from_cds__NO_10529    RANDOM_LENGTH 97  SEQ_LENGTH    84
    GC_CONTENT    0.773809523809524   BASEPAIR  31  FREE_ENERGY
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    -45.80 LEN_BP_RATIO  2.70967741935484
ACGCGCGGUCGCGCCUGCAAUAGCAGCGCCCCGGACCUCAGCGGCUGCGACCUGCUGUGCUGCGG
CCGCGGGCACCGCCAGGAGAGCGUGCAGCUCG
>random_seq_from_cds__NO_10543    RANDOM_LENGTH 84  SEQ_LENGTH    78
    GC_CONTENT    0.705128205128205    BASEPAIR  27  FREE_ENERGY
    -39.40 LEN_BP_RATIO  2.88888888888889
GGCAGCAUGUGCUGCGGCCGCGGCCACAACAUCCUGCGCCAGACGCGCAGCGAGCGCUGCCACUG
CCGCUUCCACUGGUGCUGU
>random_seq_from_cds__NO_10545    RANDOM_LENGTH 90  SEQ_LENGTH    62
    GC_CONTENT    0.580645161290323    BASEPAIR  21  FREE_ENERGY
    -23.51 LEN_BP_RATIO  2.95238095238095
CAGAGGUUUCUUCCUGUCCCUGCUGCAGCUGCCACAUGUCAGCAUACACCCCACCUCGGGACAAC
AGAGCCUCGUGUCCGUCCCCUCUCC
>random_seq_from_cds__NO_10550    RANDOM_LENGTH 73  SEQ_LENGTH    65
    GC_CONTENT    0.523076923076923    BASEPAIR  19  FREE_ENERGY
    -21.14 LEN_BP_RATIO  3.42105263157895
UCAUUCCCAGCUGUGACACGGCCGUAACGGAUAUUGUCGGCGAUGGUGUCAUUAAAGAGGACAGU
GUCUUGGG
>random_seq_from_cds__NO_10553    RANDOM_LENGTH 110 SEQ_LENGTH    92
    GC_CONTENT    0.630434782608696    BASEPAIR  31  FREE_ENERGY
    -35.92 LEN_BP_RATIO  2.96774193548387
AAGACACGUCCUGCAGAGUCUCCCGCCCCAUCGGCAUAGCUGAAGUGCACGUUCUCAAACUCAAU
ACGGCCCUUCUGAAAGCGAAGGGGCCCUGCUCCAGGAAGGUCCUU
>random_seq_from_cds__NO_10554    RANDOM_LENGTH 85  SEQ_LENGTH    76
    GC_CONTENT    0.460526315789474    BASEPAIR  25  FREE_ENERGY
    -17.00 LEN_BP_RATIO  3.04
CACCUUCUGUCUCCUCUUUCAGCAAGUCAAACAUGUUCUCCAUGUCAAUGAAGUUGGUCUGGAUC
AUCCCUGUAGUAGGUGCCAA
>random_seq_from_cds__NO_10580    RANDOM_LENGTH 85  SEQ_LENGTH    72
    GC_CONTENT    0.680555555555556    BASEPAIR  29  FREE_ENERGY
    -35.40 LEN_BP_RATIO  2.48275862068966
UGACGAUGACGGUGCAGCCGCUCUCCCACACCAUCCUGCCAGAAGUCUGCGAUGGUAUGGGACAG
CGGGCCCUGCGUGGCUAUGU
>random_seq_from_cds__NO_10585    RANDOM_LENGTH 110 SEQ_LENGTH
    100 GC_CONTENT    0.61   BASEPAIR  36  FREE_ENERGY   -37.90
    LEN_BP_RATIO  2.77777777777778
GGACACACUGCUCACCCGUGAAGGCUCCGGUGGACCCUCUGCCCGGUUGAACAAGGACUUCGUGG
CCAUGUGCUGGCGGCACAGGUCCCUGGUACUCAAAGGUAGUGUCA
>random_seq_from_cds__NO_10590    RANDOM_LENGTH 95  SEQ_LENGTH    84
    GC_CONTENT    0.630952380952381    BASEPAIR  28  FREE_ENERGY
    -33.70 LEN_BP_RATIO  3
CUCCAGCAGCUUCACUCCUGCAGCCAGGCUCAGGGGCCUUCUGAUCAGUGACGAUGUAGCCAUAU
UCCUCUGCUGCUGGGCGGGCUGAGGGCUGU
>random_seq_from_cds__NO_10594    RANDOM_LENGTH 78  SEQ_LENGTH    71
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    GC_CONTENT    0.647887323943662    BASEPAIR   26  FREE_ENERGY
    -30.20 LEN_BP_RATIO  2.73076923076923
CAACCCCUCCCCGGAUUUCUUCCUGCACCCUUGGGCAGUAGCUGCAGCAGGGUCAGGAGUGUGGA
GAGCUGCUCAGGG
>random_seq_from_cds__NO_10599    RANDOM_LENGTH 82  SEQ_LENGTH    62
    GC_CONTENT    0.693548387096774    BASEPAIR   21  FREE_ENERGY
    -31.90 LEN_BP_RATIO  2.95238095238095
GGCAGGGGCUUCAGCCUUGGGCAGGGGGCCGACACUGACCAUCCCUGGGGAGCCCUCUGAGACCC
UGGAGCCAUCACGGGAG
>random_seq_from_cds__NO_10602    RANDOM_LENGTH 78  SEQ_LENGTH    69
    GC_CONTENT    0.681159420289855    BASEPAIR   25  FREE_ENERGY
    -26.90 LEN_BP_RATIO  2.76
GGGCAGCAGGGGCGGAGCCAGUGGGGAUGUCCUGUAAAAGCAGCUCUCCAGCAGGACCAGGUCUC
UUGGGUGCCAAGC
>random_seq_from_cds__NO_10621    RANDOM_LENGTH 81  SEQ_LENGTH    59
    GC_CONTENT    0.440677966101695    BASEPAIR   20  FREE_ENERGY
    -17.10 LEN_BP_RATIO  2.95
CAAAAGCUAUGAUGGUGGAGGAGUUCCUGGUCAUGAAGUACCUUGCUCUCGGGCUUAAUAUUCCA
UUUCUCAGUCUCCUUG
>random_seq_from_cds__NO_10633    RANDOM_LENGTH 95  SEQ_LENGTH    80
    GC_CONTENT    0.55   BASEPAIR   27  FREE_ENERGY   -32.20
    LEN_BP_RATIO  2.96296296296296
GGACAUCCGGGCUCAGUAUGAGACCAUCGCGGCUAAGAACAUUUCUGAAGCUGAGGAGUGGUACA
AGUCGAAGGGUGUCAGACCUGACCCAGGCA
>random_seq_from_cds__NO_10644    RANDOM_LENGTH 81  SEQ_LENGTH    72
    GC_CONTENT    0.680555555555556    BASEPAIR   27  FREE_ENERGY
    -32.90 LEN_BP_RATIO  2.66666666666667
CAAUAGCUCUGAGCCCCUGCUAGGCCUGCUGGCACUGUCACCGGGAGGACCCGUGGCUGUGCCCA
UGUCUUUGGGCCAUGC
>random_seq_from_cds__NO_10664    RANDOM_LENGTH 86  SEQ_LENGTH    65
    GC_CONTENT    0.692307692307692    BASEPAIR   22  FREE_ENERGY
    -31.10 LEN_BP_RATIO  2.95454545454545
ACAGCGGCUGACAUAGGGGCGGAUCGCCUCUUCAGAGAGUGGCAUCAUGGGGAGGGGCGCAGCGC
UGGCCAGCCAGUAGGAUCUGU
>random_seq_from_cds__NO_10677    RANDOM_LENGTH 73  SEQ_LENGTH    68
    GC_CONTENT    0.632352941176471    BASEPAIR   21  FREE_ENERGY
    -26.64 LEN_BP_RATIO  3.23809523809524
GCCAGGUGAUCCGGAGGGACCCUUUUAUUCCCGGAGGACCUGGUAUCCCUGGAUCCCCCUGGAGG
CCUCUUGG
>random_seq_from_cds__NO_10683    RANDOM_LENGTH 98  SEQ_LENGTH    86
    GC_CONTENT    0.523255813953488    BASEPAIR   24  FREE_ENERGY
    -30.42 LEN_BP_RATIO  3.58333333333333
CUUGCAUCCCGGGAGUUCCUUUAUCACCCUCUUUCUCCUGGGAAUCCAUCAUCUCCAGGAGGUCC
AGGUUCCCCAGGUGUUCCCUUUUGUGAAAUGAU
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>random_seq_from_cds__NO_10686    RANDOM_LENGTH 84  SEQ_LENGTH    74
    GC_CONTENT    0.662162162162162    BASEPAIR  27  FREE_ENERGY
    -40.10 LEN_BP_RATIO  2.74074074074074
ACCAGGCAGCCCCCGGGGUCCCCUUUGGACCUGGAGGACCAGGUAGCCCAUCAUCUCCAAAGGGA
CCUGGGAUUCCUGGGAGGC
>random_seq_from_cds__NO_10715    RANDOM_LENGTH 110 SEQ_LENGTH    89
    GC_CONTENT    0.651685393258427    BASEPAIR  31  FREE_ENERGY
    -49.50 LEN_BP_RATIO  2.87096774193548
UGAAAGCCCAAUGGGUCCUGGGGCUCCCAGGGGUCCAAUUGGACCCUGUGGCCCUGGUGGUCCUG
GUGGACCCCCGAGACCCCUUUUCAGGAACACAGUGGCAAACAGAG
>random_seq_from_cds__NO_10728    RANDOM_LENGTH 74  SEQ_LENGTH    57
    GC_CONTENT    0.526315789473684    BASEPAIR  19  FREE_ENERGY
    -17.60 LEN_BP_RATIO  3
CCCCUAUUGCUUCUGUGCCUGGAUCCACUAAUACGGGUACUGUUCCGGGAUCAGAGAAAGACAGG
UGACUCGAU
>random_seq_from_cds__NO_10734    RANDOM_LENGTH 86  SEQ_LENGTH    65
    GC_CONTENT    0.415384615384615    BASEPAIR  23  FREE_ENERGY
    -16.70 LEN_BP_RATIO  2.82608695652174
AUCAGGAAGGUGGAGGUCUCUAUGCACUAGGUCUUAUUCAUGCCAAUCAUGGUGGUGAUAUAAUU
GACUAUCUGCUUAAUCAGCUU
>random_seq_from_cds__NO_10756    RANDOM_LENGTH 110 SEQ_LENGTH    69
    GC_CONTENT    0.550724637681159    BASEPAIR  20  FREE_ENERGY
    -18.30 LEN_BP_RATIO  3.45
UUAUUUCCAUCAAUUUCACCGUCUUCCAUGGCCUCCUUUGGCAUCCUCCUCACUGUUGAAGUCUA
CAAAACCAAACCCCUUUGGAGGACCCAGUUUCCCGGUCAGUAACU
>random_seq_from_cds__NO_10773    RANDOM_LENGTH 84  SEQ_LENGTH    67
    GC_CONTENT    0.567164179104478    BASEPAIR  21  FREE_ENERGY
    -24.30 LEN_BP_RATIO  3.19047619047619
UGUGGCUCCCUUCUUGCCAGGUGUGGUAACUGCUUUGGCUGGUGUAACUGUCUUCUUGGCAGGUG
UUGCUGCUGCCUUUUUGCC
>random_seq_from_cds__NO_10778    RANDOM_LENGTH 84  SEQ_LENGTH    75
    GC_CONTENT    0.666666666666667    BASEPAIR  25  FREE_ENERGY
    -33.30 LEN_BP_RATIO  3
AUCCCAGGUUGAGGAGGAGAACCCGGACUUCUGGAACCGCGAGGCAGCCGAGGCCCUGGGUGCCG
CCAAGAAGCUGCAGCCUGC
>random_seq_from_cds__NO_10788    RANDOM_LENGTH 86  SEQ_LENGTH    73
    GC_CONTENT    0.575342465753425    BASEPAIR  28  FREE_ENERGY
    -29.50 LEN_BP_RATIO  2.60714285714286
UGGAGGGGUGGUCGCAUCGACCAUGGUCAUCAUGAAAGCAGGGCUUACCGGGCACUGACUGAGAC
GAUCAUGUUCGACGACGCCAU
>random_seq_from_cds__NO_10794    RANDOM_LENGTH 72  SEQ_LENGTH    57
    GC_CONTENT    0.719298245614035    BASEPAIR  21  FREE_ENERGY
    -28.00 LEN_BP_RATIO  2.71428571428571
GCGUUGCUUCCUCUGCUGGCCGGGACCCUGCUGCUGCUGGAGACGGCCACUGCUCCCUGACAUGC
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AGGGGCC
>random_seq_from_cds__NO_10823    RANDOM_LENGTH 82  SEQ_LENGTH    73
    GC_CONTENT    0.657534246575342   BASEPAIR  24  FREE_ENERGY
    -31.92 LEN_BP_RATIO  3.04166666666667
CCCUGAUGGAGAUGACAGAGGCUGCCCUGCGCCUGCUGAGCAGGAACCCCCGCGGCUUCUACCUC
UUUGUGGAGGGGCGGCC
>random_seq_from_cds__NO_10825    RANDOM_LENGTH 86  SEQ_LENGTH    68
    GC_CONTENT    0.602941176470588   BASEPAIR  23  FREE_ENERGY
    -25.71 LEN_BP_RATIO  2.95652173913043
CCAGCUCACCAGCGAGGAGGACACGCUGACCCUCGUCACCGCUGACCACUCCCAUGUCUUCUCCU
UUGGUGGCUACACCUUGCGAG
>random_seq_from_cds__NO_10833    RANDOM_LENGTH 77  SEQ_LENGTH    72
    GC_CONTENT    0.652777777777778   BASEPAIR  26  FREE_ENERGY
    -36.90 LEN_BP_RATIO  2.76923076923077
UGUGUGUACUUGAGCCGGGGAAGUGGGUGCUCUGGGCCGUGCUCCCGCACCCACUUCUGAUAGGC
CGUGGUAGGCCA
>random_seq_from_cds__NO_10835    RANDOM_LENGTH 90  SEQ_LENGTH    72
    GC_CONTENT    0.597222222222222   BASEPAIR  27  FREE_ENERGY
    -27.80 LEN_BP_RATIO  2.66666666666667
GAAGUUGUCAUAGAGACGGACGAUGCACUCAGCCUUUCGCAGGAAGCGGCUGUAGGAGGCCUCCG
UCCACCAGUGCAGCAGGUUCCCUGA
>random_seq_from_cds__NO_10842    RANDOM_LENGTH 106 SEQ_LENGTH    79
    GC_CONTENT    0.708860759493671   BASEPAIR  29  FREE_ENERGY
    -44.30 LEN_BP_RATIO  2.72413793103448
AGAGGGCGCCAAGCGCCAUGCCAAAGUGGCGAUUGGCCUGGCCCAAGCAGACCCGGGCCAGCUCC
UGUGGCUUGUCGCUGCCCUCCAUCUCCUGUGCCAGCUCGUG
>random_seq_from_cds__NO_10844    RANDOM_LENGTH 89  SEQ_LENGTH    79
    GC_CONTENT    0.582278481012658   BASEPAIR  25  FREE_ENERGY
    -21.00 LEN_BP_RATIO  3.16
AUGUAGUCUGUCGCCAGCAGCACCACCUCCUCUUCCUCUGAGAAGUCCUCCUGGAAGAUCUGGUC
UAGCAGCCACUUCCACCGCAACGU
>random_seq_from_cds__NO_10863    RANDOM_LENGTH 85  SEQ_LENGTH    77
    GC_CONTENT    0.584415584415584   BASEPAIR  26  FREE_ENERGY
    -29.20 LEN_BP_RATIO  2.96153846153846
AGGAGAACCGCACCUACCCCGUGGAGUGGAUCAUCAUUGAUCCUGAAGGCUUCACAGGAGAACGG
GGAGUGGGAGAUAGUCCACC
>random_seq_from_cds__NO_10866    RANDOM_LENGTH 71  SEQ_LENGTH    58
    GC_CONTENT    0.586206896551724   BASEPAIR  20  FREE_ENERGY
    -23.10 LEN_BP_RATIO  2.9
AGGUGGUGAGAAGACAUCAGUGGCCAUCUCGGUGCUCCUGGCUCAGUCUGUCUUCCUGCUGCUCA
UCUCCA
>random_seq_from_cds__NO_10869    RANDOM_LENGTH 81  SEQ_LENGTH    69
    GC_CONTENT    0.710144927536232   BASEPAIR  24  FREE_ENERGY
    -30.50 LEN_BP_RATIO  2.875
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CUGCCGGAGCUCCUGCACAUGUCCCGCCCAGCAGAGGAUGGACCCAGCCCUGGGGCCCUGGUGCG
GAGGAGCAGCUCCCUG
>random_seq_from_cds__NO_10888    RANDOM_LENGTH 77  SEQ_LENGTH    49
    GC_CONTENT    0.673469387755102    BASEPAIR  19  FREE_ENERGY
    -24.60 LEN_BP_RATIO  2.57894736842105
CUGAAGCAAGCCUUCCCAGCUGAGUACCUGCCUCAGUGACAUGGCAGCCAGCGGGAAGACCAGCA
AGUCCGAACCGA
>random_seq_from_cds__NO_10891    RANDOM_LENGTH 79  SEQ_LENGTH    69
    GC_CONTENT    0.594202898550725    BASEPAIR  19  FREE_ENERGY
    -17.14 LEN_BP_RATIO  3.63157894736842
UCACUCUGACCUGCGCCUUCCGCUAUGGCCAAGAGGACAUUGACGUGAUCGGCUUGACCUUCCGC
AGGGACCUGUACUU
>random_seq_from_cds__NO_10898    RANDOM_LENGTH 94  SEQ_LENGTH    69
    GC_CONTENT    0.434782608695652    BASEPAIR  24  FREE_ENERGY
    -17.00 LEN_BP_RATIO  2.875
UAACACAGAGAAGACCGUGAAGAAGAUUAAAGCAUUCGGUGGAACAGGUGGCCAAUGUGGUUCUC
UACUCGAGUGAUUAUUACGUCAAGCCCGU
>random_seq_from_cds__NO_10899    RANDOM_LENGTH 86  SEQ_LENGTH    71
    GC_CONTENT    0.577464788732394    BASEPAIR  23  FREE_ENERGY
    -23.04 LEN_BP_RATIO  3.08695652173913
GGCUAUGGAGGAAGCGCAGAGAAAAAGUGCCACCAAACAGCACUUUGACCAAGACGCUGACGCUG
CUGCCCUUGCUGGCUAACAAU
>random_seq_from_cds__NO_10904    RANDOM_LENGTH 70  SEQ_LENGTH    62
    GC_CONTENT    0.741935483870968    BASEPAIR  24  FREE_ENERGY
    -31.40 LEN_BP_RATIO  2.58333333333333
GACGUUGAUGAGUGACAUGGCCCGGGCCCUGUGCCGCCUCCCGCGGCGCGGCCUCUGGCUGCUCC
UGGGC
>random_seq_from_cds__NO_10906    RANDOM_LENGTH 82  SEQ_LENGTH    78
    GC_CONTENT    0.641025641025641    BASEPAIR  27  FREE_ENERGY
    -30.90 LEN_BP_RATIO  2.88888888888889
CAGUUCCAGGUAGACAUGGAGGCCGUCGGGGAGACGCUGUGGUGUGACUGGGGCAGGACCAUCAG
GGAGCUACAGGGAGCUG
>random_seq_from_cds__NO_10907    RANDOM_LENGTH 68  SEQ_LENGTH    61
    GC_CONTENT    0.639344262295082    BASEPAIR  21  FREE_ENERGY
    -26.80 LEN_BP_RATIO  2.9047619047619
GCCGACUGCACCUGGCACAUGGCGGAGAAGCUGGGCUGCUUCUGGCCCAAUGCAGAGGUGGACAG
GUU
>random_seq_from_cds__NO_10910    RANDOM_LENGTH 94  SEQ_LENGTH    81
    GC_CONTENT    0.679012345679012    BASEPAIR  24  FREE_ENERGY
    -35.20 LEN_BP_RATIO  3.375
GCACUGAGGGCAUUGUGUAGCAUGGCGGAGGGCGGCAGCCCAGACGGGCGGGCAGGGCCGGGCUC
CGCAGGGUCGUAAUCUGAAGGAGUGGCUG
>random_seq_from_cds__NO_10924    RANDOM_LENGTH 78  SEQ_LENGTH    66
    GC_CONTENT    0.46969696969697 BASEPAIR  23  FREE_ENERGY
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    -21.30 LEN_BP_RATIO  2.8695652173913
AUCUCCAUGACUUUCUCCAUGGAACGGACAGCGUUUGCAUUGGGUCUUUGCUGUAAAACCUUUUC
UGGGAGAGGAUCA
>random_seq_from_cds__NO_10928    RANDOM_LENGTH 77  SEQ_LENGTH    65
    GC_CONTENT    0.723076923076923    BASEPAIR  22  FREE_ENERGY
    -30.80 LEN_BP_RATIO  2.95454545454545
GGGGGGGUCCAGGCCGCCGGUGAAAGCCAUGUUGACGUUGAAACCCACGCCGGGCCCUGUGCCCA
CCCUCAUCAGGA
>random_seq_from_cds__NO_10934    RANDOM_LENGTH 68  SEQ_LENGTH    55
    GC_CONTENT    0.636363636363636    BASEPAIR  21  FREE_ENERGY
    -23.00 LEN_BP_RATIO  2.61904761904762
CGGUUGAGGGGGUUCGUGCCAUACAGGAGGGUGUGGGCUUCCGAGUGCACCGUCUGUAGCUCCUC
CAG
>random_seq_from_cds__NO_10945    RANDOM_LENGTH 69  SEQ_LENGTH    51
    GC_CONTENT    0.666666666666667    BASEPAIR  19  FREE_ENERGY
    -19.90 LEN_BP_RATIO  2.68421052631579
GUGCUUGUGCCGGCGGCUGCUCCAGUAAGACCAUGUGCUGCAGAAGAGGGCUGUGCGCUGCCCCU
CCGU
>random_seq_from_cds__NO_10953    RANDOM_LENGTH 71  SEQ_LENGTH    58
    GC_CONTENT    0.586206896551724    BASEPAIR  22  FREE_ENERGY
    -25.50 LEN_BP_RATIO  2.63636363636364
CAGUAGCGAGGGUCGCUGGAAAUGCAGUGGUUCAGAUUCCGGUGGGCCAGCGCCUUCUUUUUAUU
GAGGAC
>random_seq_from_cds__NO_10976    RANDOM_LENGTH 72  SEQ_LENGTH    51
    GC_CONTENT    0.705882352941177    BASEPAIR  20  FREE_ENERGY
    -29.20 LEN_BP_RATIO  2.55
ACGGGAUGGCCAGAGGCCGGGUACCUCCCCGAGGUCAUGGGUGACGGCCUGGCCAACCAGAUCAA
CAACCCC
>random_seq_from_cds__NO_10982    RANDOM_LENGTH 88  SEQ_LENGTH    76
    GC_CONTENT    0.671052631578947    BASEPAIR  28  FREE_ENERGY
    -39.40 LEN_BP_RATIO  2.71428571428571
UCCUGCUGGGGCCUGGUCCUUCCAACCUGCCUCCUCGCAUCAUGGCAGCCGGGGGGCUGCAGAUG
AUCGGGUCCAUGAGCAAGGAUAU
>random_seq_from_cds__NO_10984    RANDOM_LENGTH 92  SEQ_LENGTH    82
    GC_CONTENT    0.670731707317073    BASEPAIR  30  FREE_ENERGY
    -34.50 LEN_BP_RATIO  2.73333333333333
CCUGGAGGCCGCCCUGGUCAAUGUGCUGGAGCCUGGGGACUCCUUCCUGGUUGGGGCCAAUGGCA
UUUGGGGGCAGCGAGCCGUGGACAUCG
>random_seq_from_cds__NO_10986    RANDOM_LENGTH 75  SEQ_LENGTH    58
    GC_CONTENT    0.672413793103448    BASEPAIR  22  FREE_ENERGY
    -24.40 LEN_BP_RATIO  2.63636363636364
CCUGGCCCAGCACAAGCCAGUGCUGCUGUUCUUAACCCACGGGGAGUCGUCCACCGGCGUGCUGC
AGCCCCUUGA
>random_seq_from_cds__NO_10987    RANDOM_LENGTH 88  SEQ_LENGTH    67
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    GC_CONTENT    0.686567164179104    BASEPAIR  23  FREE_ENERGY
    -34.60 LEN_BP_RATIO  2.91304347826087
UGGCUUCGGGGAACUCUGCCACAGGGUACAAGUGCCUGCUCCUGGUGGAUUCGGUGGCAUCCCUG
GGCGGGACCCCCCUUUACAUGGA
>random_seq_from_cds__NO_10991    RANDOM_LENGTH 89  SEQ_LENGTH    75
    GC_CONTENT    0.746666666666667    BASEPAIR  31  FREE_ENERGY
    -37.70 LEN_BP_RATIO  2.41935483870968
GCACCGCGAGGCCGCGGCGUAUCUGCAUGGGCGCCUGCAGGCACUGGGGCUGCAGCUCUUCGUGA
AGGACCCGGGCGCUCCGGCUUCCC
>random_seq_from_cds__NO_10999    RANDOM_LENGTH 68  SEQ_LENGTH    59
    GC_CONTENT    0.745762711864407    BASEPAIR  22  FREE_ENERGY
    -34.80 LEN_BP_RATIO  2.68181818181818
UGGGCCACACGCCUGAGGCCGUGCAGAUCGCCACGGGAAGGAACGCCGCGCCUCUGCUGUGUG
GCC
>random_seq_from_cds__NO_11000    RANDOM_LENGTH 84  SEQ_LENGTH    74
    GC_CONTENT    0.756756756756757    BASEPAIR  29  FREE_ENERGY
    -39.80 LEN_BP_RATIO  2.55172413793103
AGCCGUGACGCCGGCCUCUCGUGGGGCAGCGCCCGGGACCUCACCGAGGAGGCCAUCGGUGGUGC
CGUGCAGGGACUGGGCCAC
>random_seq_from_cds__NO_11006    RANDOM_LENGTH 84  SEQ_LENGTH    60
    GC_CONTENT    0.7 BASEPAIR  23  FREE_ENERGY   -30.60 LEN_BP_RATIO
    2.60869565217391
GUCCACGAACCCCCAGAGGAGGCUGCUGUAGACCCCCGUGGAGGCCAGGUGCCUGGUGGGCCCUU
CAGCCGUCUGCAGCCUCGG
>random_seq_from_cds__NO_11009    RANDOM_LENGTH 80  SEQ_LENGTH    74
    GC_CONTENT    0.72972972972973 BASEPAIR  28  FREE_ENERGY
    -33.10 LEN_BP_RATIO  2.64285714285714
UGGACCCGCGCAGCUGGACAGAGCCCUGGGUGAUCUACGAGGGCCCCAGCGGCUACUCCGACCUG
GCGUCCAUCGGGCCG
>random_seq_from_cds__NO_11010    RANDOM_LENGTH 71  SEQ_LENGTH    60
    GC_CONTENT    0.633333333333333    BASEPAIR  22  FREE_ENERGY
    -30.50 LEN_BP_RATIO  2.72727272727273
GCUCCUGAGGGGGGCCUGGUUUUUGCCUGCCUGUACGAGAGCGGGGCCAGGACCUCCUAUGAUGA
GAUUUC
>random_seq_from_cds__NO_11019    RANDOM_LENGTH 82  SEQ_LENGTH    71
    GC_CONTENT    0.535211267605634    BASEPAIR  23  FREE_ENERGY
    -21.54 LEN_BP_RATIO  3.08695652173913
UCUCAGACAUGGUGGUCCCUCGAUCAACCAAGACUCAUUACUGAGGACAAGGAAGGGGGCCUUUU
CACUGUGACUCUGUUUC
>random_seq_from_cds__NO_11030    RANDOM_LENGTH 87  SEQ_LENGTH    64
    GC_CONTENT    0.5 BASEPAIR  22  FREE_ENERGY   -17.20 LEN_BP_RATIO
    2.90909090909091
UGUUUGUAGGAGCCACUGAUUCAGCCGUGCCAUGUGCAAUGAUGUUGGAACUUGCUCGUGCCUUA
GACAAGAAACUCCUUUCCUUAA
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>random_seq_from_cds__NO_11045    RANDOM_LENGTH 75  SEQ_LENGTH    60
    GC_CONTENT    0.45   BASEPAIR  22  FREE_ENERGY   -23.40
    LEN_BP_RATIO  2.72727272727273
GGGAUUUUUGCUGAUACAGAAAAUUUCCCUUGGCAGUAUUCUGUCAGGGAGUUUGUGUGCUGGAA
UAGCAACAGG
>random_seq_from_cds__NO_11059    RANDOM_LENGTH 110 SEQ_LENGTH
    106 GC_CONTENT    0.367924528301887    BASEPAIR  32  FREE_ENERGY
    -23.90 LEN_BP_RATIO  3.3125
ACUUUAUCCAACAGCUCGAUUGCCAAAGACCGUGUCAAAUGUUGUGUUACAAAAGGAUGCCUGUA
AUAAUUUUUCAGCAGUAGGUCUUUUUUUCGGAUUUUUGGUAAGUG
>random_seq_from_cds__NO_11065    RANDOM_LENGTH 80  SEQ_LENGTH    73
    GC_CONTENT    0.465753424657534    BASEPAIR  24  FREE_ENERGY
    -15.40 LEN_BP_RATIO  3.04166666666667
GCAAUUUGCAGUUCUGACAGAGGUCCAGUUACCGUGAUAAAUAUCCUGUAAAGAACCACCUCCAC
AAAACUCCAUGCAAA
>random_seq_from_cds__NO_11068    RANDOM_LENGTH 86  SEQ_LENGTH    68
    GC_CONTENT    0.588235294117647    BASEPAIR  24  FREE_ENERGY
    -25.90 LEN_BP_RATIO  2.83333333333333
CCGAUGCGCUGAAUCAGCUCGAAGUCCUCCUGCGGGUUCCGGCGGGACAAAUCGAAGCCGGGGUU
CAUCUCAUUUGUUUUUGGGCU
>random_seq_from_cds__NO_11071    RANDOM_LENGTH 92  SEQ_LENGTH    82
    GC_CONTENT    0.51219512195122 BASEPAIR   27  FREE_ENERGY
    -23.10 LEN_BP_RATIO  3.03703703703704
GAAUCGGAGGUCAGUUUAGUUGGUGUGGCAAAUAUGAUAGGUGGUGCUUCUGUGGAAACCACAGG
CUUUAAUCCCCUGCGGGCUAUAGGCCU
>random_seq_from_cds__NO_11074    RANDOM_LENGTH 90  SEQ_LENGTH    68
    GC_CONTENT    0.720588235294118    BASEPAIR  22  FREE_ENERGY
    -26.50 LEN_BP_RATIO  3.09090909090909
ACCAGGAGGCUGUCAUCAGGGGCCAGGCUCAGGCGCCGUCCCCCCAUUGUCACCACCGAGGAGCC
CUCCCAGCUGCCACAGCCACACGUC
>random_seq_from_cds__NO_11087    RANDOM_LENGTH 87  SEQ_LENGTH    81
    GC_CONTENT    0.567901234567901    BASEPAIR  24  FREE_ENERGY
    -27.15 LEN_BP_RATIO  3.375
ACAUCCUUGGGCACCACAUCUCCACGGUACAGCAGGCAGCAGGCCAUGUACUUGCCGUGCCGGGG
AUCACACUUUACCAUCUGGUUG
>random_seq_from_cds__NO_11089    RANDOM_LENGTH 77  SEQ_LENGTH    66
    GC_CONTENT    0.606060606060606    BASEPAIR  25  FREE_ENERGY
    -22.00 LEN_BP_RATIO  2.64
UGACUGGUGCAUAGGUGGCCAGGGGGAAGUGGAUGCGAGGGUAGGGCACCAGGUUGGUCUGGAAC
UCUGUCAGGUCC
>random_seq_from_cds__NO_11102    RANDOM_LENGTH 82  SEQ_LENGTH    64
    GC_CONTENT    0.46875    BASEPAIR  20  FREE_ENERGY   -16.00
    LEN_BP_RATIO  3.2
GAAAUUUCUGAACGAAUUGUACAGUGGCCUGCAAUAGACGUACAAACCUCUGUUGGACAAAGCUG
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GUUUGGGAUCCAUAACU
>random_seq_from_cds__NO_11108    RANDOM_LENGTH 87  SEQ_LENGTH    57
    GC_CONTENT    0.56140350877193 BASEPAIR  20  FREE_ENERGY
    -20.40 LEN_BP_RATIO  2.85
CUACAACAGUUUUUAAGGAGAUACUGCUUGGCUGUACUGCGGCAACUCCACCUAGUAAGGACCCA
AGACAGCAAAGUACUCCCCAGG
>random_seq_from_cds__NO_11116    RANDOM_LENGTH 72  SEQ_LENGTH    59
    GC_CONTENT    0.542372881355932    BASEPAIR  19  FREE_ENERGY
    -22.10 LEN_BP_RATIO  3.10526315789474
AUCGUGGCACAGUUGCCUAAAUGCCGAGAGUGUCGCUUGGACAGUCUCCGCAAGGAUAAGGAGCA
ACAGAAG
>random_seq_from_cds__NO_11121    RANDOM_LENGTH 85  SEQ_LENGTH    78
    GC_CONTENT    0.525641025641026    BASEPAIR  24  FREE_ENERGY
    -17.86 LEN_BP_RATIO  3.25
ACUGGGUGUGUCCUCGGUGUGGGUUUGGAGUAUGUGUGGACUGCUACCGGAUGAAGAGAAAGAAU
UGCCAACAGGGGUGCUGCUU
>random_seq_from_cds__NO_11125    RANDOM_LENGTH 84  SEQ_LENGTH    58
    GC_CONTENT    0.620689655172414    BASEPAIR  22  FREE_ENERGY
    -28.40 LEN_BP_RATIO  2.63636363636364
GAAAAACCGACUCUUGGUGCAGUGCUCCAGCAGAAUCCCUCAGUGUUGGAGCCAGCAGCUGUGGG
UGGGGAAGCAGCCUCCAAG
>random_seq_from_cds__NO_11140    RANDOM_LENGTH 77  SEQ_LENGTH    56
    GC_CONTENT    0.428571428571429    BASEPAIR  22  FREE_ENERGY
    -18.60 LEN_BP_RATIO  2.54545454545455
UCAUUAAGAAAACGUCUUCAUCAAGAGUAUGGAGUUCAAGGCUGGGCUAUUGUACAGUUUCUUGG
GGAUGUGGUGUU
>random_seq_from_cds__NO_11146    RANDOM_LENGTH 84  SEQ_LENGTH    67
    GC_CONTENT    0.462686567164179    BASEPAIR  22  FREE_ENERGY
    -22.00 LEN_BP_RATIO  3.04545454545455
AAAAGGGGCCUUCUGUGGAUUGGGGAAAAAUCCAGAGACCCCCUGAAGAUUCGGAUUCAACCCUA
UGAAAAGAUAAAGGCCAGG
>random_seq_from_cds__NO_11190    RANDOM_LENGTH 84  SEQ_LENGTH    70
    GC_CONTENT    0.528571428571429    BASEPAIR  25  FREE_ENERGY
    -18.90 LEN_BP_RATIO  2.8
CCUGCUGCUGUAAUUGUGGAGAAGCCACUGAGUGUACCACCAGCCCAAGGACUUUCCAUUCCAGU
GAUUGGCGCAAGAAGUUGA
>random_seq_from_cds__NO_11205    RANDOM_LENGTH 81  SEQ_LENGTH    56
    GC_CONTENT    0.410714285714286    BASEPAIR  21  FREE_ENERGY
    -18.32 LEN_BP_RATIO  2.66666666666667
UUUCAGCCUCACUUGAUCAAUGUUGAAGGAGUUGGUGUUGCUGAAUUGCUUUUUAACACAAUUCA
GGCAGCUGACAUUGAU
>random_seq_from_cds__NO_11208    RANDOM_LENGTH 87  SEQ_LENGTH    70
    GC_CONTENT    0.485714285714286    BASEPAIR  26  FREE_ENERGY
    -19.70 LEN_BP_RATIO  2.69230769230769
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GGUAUUCCUGGGUGGUGCAGUUCUAGCGGAUAUCAUGAAAGACAAAGACAACUUUUGGAUGACCC
GACAAGAGUACCAAGAAAAGGG
>random_seq_from_cds__NO_11209    RANDOM_LENGTH 73  SEQ_LENGTH    64
    GC_CONTENT    0.46875    BASEPAIR  21  FREE_ENERGY   -18.40
    LEN_BP_RATIO  3.04761904761905
UGUCCGUGUGCUAGAGAAACUUGGUGUGACUGUUCGAUAAGAUGAAGUUCACAGAUUGUCUUUGC
UGGACUUC
>random_seq_from_cds__NO_11217    RANDOM_LENGTH 88  SEQ_LENGTH    76
    GC_CONTENT    0.592105263157895    BASEPAIR  26  FREE_ENERGY
    -34.10 LEN_BP_RATIO  2.92307692307692
UCCUGGGCUGCCCGACUGGCAUUGGGCUUCACAUUCCAAGAAUACCUCCUGUGUGAAUAGUCCUC
UCCAGGGGGACCAGGAGGAGGGA
>random_seq_from_cds__NO_11226    RANDOM_LENGTH 84  SEQ_LENGTH    65
    GC_CONTENT    0.6 BASEPAIR  20  FREE_ENERGY   -20.74 LEN_BP_RATIO
    3.25
AAACGAGUCCCAGGCAUCCGCUGUCCAACUGGGAGAUAGUCUUUCCACCCUUUCGGGGAUGUGGU
UUCCGCCCUUCUUCUUGGC
>random_seq_from_cds__NO_11258    RANDOM_LENGTH 84  SEQ_LENGTH    62
    GC_CONTENT    0.516129032258065    BASEPAIR  21  FREE_ENERGY
    -17.20 LEN_BP_RATIO  2.95238095238095
GUUAUAGAAGGUGAUGGUGGUCUCUGCUCUUAAUAAGGCCUGGUGCGUGAACUGCUUUGCCUGUU
CUACCUGCAACACUAAAUU
>random_seq_from_cds__NO_11261    RANDOM_LENGTH 84  SEQ_LENGTH    67
    GC_CONTENT    0.477611940298507    BASEPAIR  23  FREE_ENERGY
    -18.90 LEN_BP_RATIO  2.91304347826087
UCAGUUUGGCCUCUACAAAAAUCCGUUUGAGGAAAUCUCGAGUAUAGUCUGAGACAUGAGGUGGC
AGCUUUGGGUUUGUUGGCU
>random_seq_from_cds__NO_11291    RANDOM_LENGTH 88  SEQ_LENGTH    78
    GC_CONTENT    0.512820512820513    BASEPAIR  28  FREE_ENERGY
    -23.70 LEN_BP_RATIO  2.78571428571429
AUUCGCACUGAGUUUGACCAGGAGAUUGACAUGGGCUCACUGAACCCGGGAAAGCAACUGGUUUG
AGAAGAUGAUCAGUGGGAUGUAC
>random_seq_from_cds__NO_11294    RANDOM_LENGTH 80  SEQ_LENGTH    72
    GC_CONTENT    0.708333333333333    BASEPAIR  24  FREE_ENERGY
    -26.60 LEN_BP_RATIO  3
GGAGGACUGCGUGGCCACUCACCGGAUCUGCCAGAUCGUGUCCACACGCUCCGCCAGCCUGUGCG
CAGCCACCCUGGCCG
>random_seq_from_cds__NO_11299    RANDOM_LENGTH 82  SEQ_LENGTH    69
    GC_CONTENT    0.652173913043478    BASEPAIR  20  FREE_ENERGY
    -19.80 LEN_BP_RATIO  3.45
CAAGGAGACUCAUGCCAGUGCCCCCGUCAAGAUGCUGCCCACCUACGUGUGUGCUACCCCGGACG
GCACAGGAGAAAGGGGA
>random_seq_from_cds__NO_11312    RANDOM_LENGTH 84  SEQ_LENGTH    61
    GC_CONTENT    0.540983606557377    BASEPAIR  23  FREE_ENERGY
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    -21.20 LEN_BP_RATIO  2.65217391304348
CAGCUUUGCCAAAGUCAUGCAUGAGACAGUGAAGGACCUGGCUCCGAAAUGUGAUGUGUCUUUCC
UGCAGUCAGAGGAUGGCAG
>random_seq_from_cds__NO_11314    RANDOM_LENGTH 68  SEQ_LENGTH    60
    GC_CONTENT    0.766666666666667    BASEPAIR  23  FREE_ENERGY
    -33.60 LEN_BP_RATIO  2.60869565217391
AGCGGCUGGAAGCGCGGGGCGGCCGGGAGGGGGCAGUCCUCGCCGGCGAGUUCAGCGGACAUCCA
GGC
>random_seq_from_cds__NO_11318    RANDOM_LENGTH 87  SEQ_LENGTH    58
    GC_CONTENT    0.603448275862069    BASEPAIR  22  FREE_ENERGY
    -32.70 LEN_BP_RATIO  2.63636363636364
UGGGCGGGAAAAGGUGUGAGCGGUACUGGGCCCAGGAGCAGGAGCCACUGCAGACUGGGCUUUUC
UGCAUCACUCUGGAUAAAGGAG
>random_seq_from_cds__NO_11322    RANDOM_LENGTH 79  SEQ_LENGTH    74
    GC_CONTENT    0.567567567567568    BASEPAIR  25  FREE_ENERGY
    -25.60 LEN_BP_RATIO  2.96
GGCAGCUGCUCCUGACCCAGGAUGAUCCCACCUGACUUCAGUCUCUUUGAUGUGGUCCUUAAGAU
GAGGAAGCAGCGGC
>random_seq_from_cds__NO_11342    RANDOM_LENGTH 93  SEQ_LENGTH    68
    GC_CONTENT    0.426470588235294    BASEPAIR  27  FREE_ENERGY
    -19.10 LEN_BP_RATIO  2.51851851851852
UCAAAUCCUCCCAUUUUGUUGGUCUGUUCCUUGCAUGCUAGUUUAGAGGAUCUUUAAGCAAGCGA
CAAUGAAGGCAUUGCGGAAAAAAUCUGU
>random_seq_from_cds__NO_11354    RANDOM_LENGTH 81  SEQ_LENGTH    65
    GC_CONTENT    0.461538461538462    BASEPAIR  20  FREE_ENERGY
    -17.10 LEN_BP_RATIO  3.25
CUUGGGAGUCUGGUUUUGAAUCUGUUGGAUCUAUACUCUGAAGUACCUGCAGGGCUCUAUCCAUC
UUAUCCCUCAUCUAUA
>random_seq_from_cds__NO_11384    RANDOM_LENGTH 83  SEQ_LENGTH    61
    GC_CONTENT    0.409836065573771    BASEPAIR  21  FREE_ENERGY
    -17.30 LEN_BP_RATIO  2.9047619047619
AACUGCAUUUGUUAAUAGCUGCUAUAUUAAAAGUGAGGAGGCCAAACGCCAACAACUUGGGAUAG
AGAAAGAAGCUGUUCUUC
>random_seq_from_cds__NO_11387    RANDOM_LENGTH 84  SEQ_LENGTH    71
    GC_CONTENT    0.507042253521127    BASEPAIR  28  FREE_ENERGY
    -24.10 LEN_BP_RATIO  2.53571428571429
ACGUGGCUAGAAACUUGGCUGUGGAGCAGUUAACACUGAGUGAAGAAUUCCCAGUGCCCCCAGCU
GUGUUACAGCAGACUUUCU
>random_seq_from_cds__NO_11394    RANDOM_LENGTH 80  SEQ_LENGTH    65
    GC_CONTENT    0.738461538461539    BASEPAIR  22  FREE_ENERGY
    -26.50 LEN_BP_RATIO  2.95454545454545
GUCCGGCCUUUAGAGCGCUCCCAGCGAACACAGUCCCGAGUCCUGCGGGGUGGGGGCCCCUGCCA
GCUGCCAGGCCCCUU
>random_seq_from_cds__NO_11396    RANDOM_LENGTH 80  SEQ_LENGTH    72
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    GC_CONTENT    0.666666666666667    BASEPAIR   27  FREE_ENERGY
    -36.60 LEN_BP_RATIO  2.66666666666667
UGGCAGUUCCUGGGUGUCACGGGUACCUUUAGGGGCGUGGCACUCCCCUCCCUUUGGGUGCCUCC
GUUCGGGCUGUCGCC
>random_seq_from_cds__NO_11397    RANDOM_LENGTH 84  SEQ_LENGTH    75
    GC_CONTENT    0.573333333333333    BASEPAIR   28  FREE_ENERGY
    -33.00 LEN_BP_RATIO  2.67857142857143
AGGGACCUCGACUGGGCUUGGGGGGAUCUAGCAUAGCUUUCUGGGUUUCGCCCAACCUUUGCUGA
UUUGACCUGGUCCCUGGAA
>random_seq_from_cds__NO_11407    RANDOM_LENGTH 100 SEQ_LENGTH    83
    GC_CONTENT    0.55421686746988 BASEPAIR   28  FREE_ENERGY
    -28.10 LEN_BP_RATIO  2.96428571428571
CAUGGGGAUACCUCUGCUGGGACCUGAAGCACCAGAGUGAAGCAGACAUACUGUGAAUCCUGGUC
CUCUGCAGUGGCAGGAUGCAAAGUGAUGUAGAUCU
>random_seq_from_cds__NO_11421    RANDOM_LENGTH 89  SEQ_LENGTH    75
    GC_CONTENT    0.466666666666667    BASEPAIR   27  FREE_ENERGY
    -22.80 LEN_BP_RATIO  2.77777777777778
GAUUUUCUGUAGCUGCCACUGACAUUAAUGGAGAUGAGUUAUGCAGAUGUGUUUAUUGGAGCACC
UCUCUUCAUGGAUCGUGGCUCUGA
>random_seq_from_cds__NO_11441    RANDOM_LENGTH 82  SEQ_LENGTH    71
    GC_CONTENT    0.492957746478873    BASEPAIR   22  FREE_ENERGY
    -20.12 LEN_BP_RATIO  3.22727272727273
UUGGGGUUGUGGAGUUGCUCAGUGCUUGAAGAUUGUCUGCCAAGUUGGGAGAUUAGACAGAGGAA
AGAGUGCAAUCUUGUAC
>random_seq_from_cds__NO_11449    RANDOM_LENGTH 89  SEQ_LENGTH    81
    GC_CONTENT    0.604938271604938    BASEPAIR   28  FREE_ENERGY
    -35.20 LEN_BP_RATIO  2.89285714285714
CUGAAGGGAGCCAGAUGGGGGGCUGGUUGUGCUGAGUGGAGGGGGCACCUCUGGCCGGAUGGCAU
UCCUCAUGUCGGGUGUCCUUUAAU
>random_seq_from_cds__NO_11450    RANDOM_LENGTH 85  SEQ_LENGTH    60
    GC_CONTENT    0.55    BASEPAIR   22  FREE_ENERGY    -22.60
    LEN_BP_RATIO  2.72727272727273
CAGCUGAUGAAAGGUCUGGGACAGAAACCUCUUUACACCUACCUCAUUGCAGGUGGUGACAGGGU
CUGUGGUGGCCUCUAGGGAG
>random_seq_from_cds__NO_11464    RANDOM_LENGTH 69  SEQ_LENGTH    60
    GC_CONTENT    0.6 BASEPAIR   21  FREE_ENERGY    -18.50 LEN_BP_RATIO
    2.85714285714286
GGACAGUCCAAGGCUCGAUGCAUCGAGAGCCUCCUCCGAGCGAUCCACUUUCCCCAGCCACUGUC
AGAU
>random_seq_from_cds__NO_11481    RANDOM_LENGTH 81  SEQ_LENGTH    65
    GC_CONTENT    0.492307692307692    BASEPAIR   21  FREE_ENERGY
    -19.13 LEN_BP_RATIO  3.0952380952381
AAGAAACUCAUCCUUCAUGCUCUGGAGCAGUGUGUUAAAGUCGACACCGUCUUGCUCUGAGAAAA
CAUCACCAAAGAGGGA
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>random_seq_from_cds__NO_11515    RANDOM_LENGTH 78  SEQ_LENGTH    55
    GC_CONTENT    0.418181818181818    BASEPAIR  20  FREE_ENERGY
    -16.50 LEN_BP_RATIO  2.75
UGUUUUCCUUCAUGAAAGGUCGCUAGAGAAGUCCGACUCUUCAUCUUUGAUGGAGUCGUAACAAG
AAUCACAAACCCG
>random_seq_from_cds__NO_11537    RANDOM_LENGTH 89  SEQ_LENGTH    69
    GC_CONTENT    0.333333333333333    BASEPAIR  27  FREE_ENERGY
    -19.80 LEN_BP_RATIO  2.55555555555556
UUUUUUUGAUCCAGUUGAAAGUGAUGAAGACAUAACAAAUGUUCAUGAUGAUGAGCUGGAUUCAA
ACAAAGAAGAUGAUGAAAUUGCUG
>random_seq_from_cds__NO_11546    RANDOM_LENGTH 68  SEQ_LENGTH    59
    GC_CONTENT    0.525423728813559    BASEPAIR  22  FREE_ENERGY
    -15.40 LEN_BP_RATIO  2.68181818181818
AAAGUUGUGUCAAAUCUGCCAGCCAUAACCAUGGAGGAAGUAGCCCCAGUGAGUGUUAGUGAUGC
AGC
>random_seq_from_cds__NO_11560    RANDOM_LENGTH 88  SEQ_LENGTH    67
    GC_CONTENT    0.567164179104478    BASEPAIR  22  FREE_ENERGY
    -23.36 LEN_BP_RATIO  3.04545454545455
AACAUGCCCCACAAGUUCGGUAUCCACAACUACAAGGUCCCUACCUUCUGCGAUCACUGUGGGUC
CCUGCUCUGGGGACUCUUGCGGC
>random_seq_from_cds__NO_11565    RANDOM_LENGTH 110 SEQ_LENGTH
    104 GC_CONTENT    0.490384615384615    BASEPAIR  35  FREE_ENERGY
    -33.80 LEN_BP_RATIO  2.97142857142857
UGGGCCUGGAUGAGUUCAACUUCAUCAAGGUGUUGGGCAAAGGCAGCUUUGGCAAGGGUCAUGUU
GGCAGAACUCAAGGGCAAAGAUGAAGUAUAUGCUGUGAAGGUCUU
>random_seq_from_cds__NO_11577    RANDOM_LENGTH 97  SEQ_LENGTH    81
    GC_CONTENT    0.481481481481481    BASEPAIR  28  FREE_ENERGY
    -25.80 LEN_BP_RATIO  2.89285714285714
CGAUGAAGGCCAGGGAUAAAUUUCAAGAGUUGCUUUCGGACACUUCCCUUUCUGCUCUUCCGGGG
CAGGGUCCCAAACAUGCUUGAUAAGUUGCCCU
>random_seq_from_cds__NO_11585    RANDOM_LENGTH 110 SEQ_LENGTH    91
    GC_CONTENT    0.54945054945055 BASEPAIR  29  FREE_ENERGY
    -36.82 LEN_BP_RATIO  3.13793103448276
GCUUGCAGGCCAGCACAGUGAGCUGGGCUGUCCUCCUGUAUUUUGCAUAUCAAAGUGAACAUUUC
CGAGGAGCAGGCAUUCUGAUUCUGGGGCCUGUAAGACCUGAAUUU
>random_seq_from_cds__NO_11595    RANDOM_LENGTH 78  SEQ_LENGTH    69
    GC_CONTENT    0.521739130434783    BASEPAIR  27  FREE_ENERGY
    -19.80 LEN_BP_RATIO  2.55555555555556
UCUUCAUGGUCAUGAUGUCCCCAUAGCAGCCGUGGUACAGGCGUGGAUGUAGGUGAGGCUUCAUU
GAGUGACUGAAGG
>random_seq_from_cds__NO_11607    RANDOM_LENGTH 90  SEQ_LENGTH    47
    GC_CONTENT    0.595744680851064    BASEPAIR  20  FREE_ENERGY
    -27.50 LEN_BP_RATIO  2.35
UCCCUAUGAUCCAACACCAUAUUGAAGCCUGUGCCCAGGGUCCCUGGAAUGCAGGAGAUUCUGCU
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CAUUGGCUUCUACCAACCUGAUGAG
>random_seq_from_cds__NO_11610    RANDOM_LENGTH 88  SEQ_LENGTH    80
    GC_CONTENT    0.575  BASEPAIR  23  FREE_ENERGY   -22.90
    LEN_BP_RATIO  3.47826086956522
UGCUCCGACUUCCCCUUGAGUGCUAUGUUGGAAGCCCACCGACGCCAGCGUCACCCUUUCUUACU
CCUUGGCACUACGGGCUAACAGG
>random_seq_from_cds__NO_11613    RANDOM_LENGTH 72  SEQ_LENGTH    61
    GC_CONTENT    0.655737704918033   BASEPAIR  19  FREE_ENERGY
    -22.10 LEN_BP_RATIO  3.21052631578947
AAUCAGCAGGAUGGGCAAUUGGGAGGACUCACCAGGCUUGUGGCCAGGGGCAGGUACCAUCCGCC
UAGAGCA
>random_seq_from_cds__NO_11616    RANDOM_LENGTH 79  SEQ_LENGTH    71
    GC_CONTENT    0.676056338028169   BASEPAIR  26  FREE_ENERGY
    -31.30 LEN_BP_RATIO  2.73076923076923
UCCGAGGGGAAUGUGUACAUCCACCCGACCGCCAAGGUGGCCCCCUCGGCUGUGGCUGGGCCCCA
ACGUCUCCAUCGGG
>random_seq_from_cds__NO_11637    RANDOM_LENGTH 110 SEQ_LENGTH    91
    GC_CONTENT    0.373626373626374   BASEPAIR  34  FREE_ENERGY
    -27.00 LEN_BP_RATIO  2.67647058823529
ACAUACGCAGGGUAAGUGGUAUCGAUAAUAAAUAUCCGAACAACGGGAUUCUUAGCUCCAGCCCU
UUGGGUAUGGAAUAUUUAUUGUUCUAGGAUAUUGUUCAUCGCCAU
>random_seq_from_cds__NO_11639    RANDOM_LENGTH 94  SEQ_LENGTH    74
    GC_CONTENT    0.310810810810811   BASEPAIR  26  FREE_ENERGY
    -16.00 LEN_BP_RATIO  2.84615384615385
UUCAUAAACCCAGUCUGGGAUUCCAUUAAAUAUUUAUUUCUCUUCCAUUAAAUGUUAUUUGAA
AAGGUGGAUCUCCUGGUCUUUGUUUCAAA
>random_seq_from_cds__NO_11642    RANDOM_LENGTH 95  SEQ_LENGTH    83
    GC_CONTENT    0.349397590361446   BASEPAIR  28  FREE_ENERGY
    -17.90 LEN_BP_RATIO  2.96428571428571
CUAGAUAUACAAAUUGCCGAUCAGGUGAUAAGCCGUAAUUUGAAGCAUUCACACUUUUCCAUGGU
UCUAUUACUCAAAAUGGUAUAUGAUUGUCC
>random_seq_from_cds__NO_11648    RANDOM_LENGTH 82  SEQ_LENGTH    71
    GC_CONTENT    0.47887323943662 BASEPAIR   22  FREE_ENERGY
    -17.60 LEN_BP_RATIO  3.22727272727273
GACGAGGAAUGCCUCCCGACACUGCUGGUAAAAAUCUUGAAAAGAAAGGCCCAAUGUAAGAAGGG
UUAUCCUGGUUGUCCAG
>random_seq_from_cds__NO_11659    RANDOM_LENGTH 81  SEQ_LENGTH    60
    GC_CONTENT    0.4 BASEPAIR  21  FREE_ENERGY   -16.00 LEN_BP_RATIO
    2.85714285714286
UUUUAUCUCUUUUCAUUCUCUUAGAAGGUGUUUCUUUGCCAACAGGAGCUGAAACUACUCUAUUC
UGAGCUUGAAUCUUUU
>random_seq_from_cds__NO_11667    RANDOM_LENGTH 84  SEQ_LENGTH    63
    GC_CONTENT    0.555555555555556   BASEPAIR  23  FREE_ENERGY
    -26.81 LEN_BP_RATIO  2.73913043478261
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GGUUUACUCAUGAUGGCGGCCUUCUCCGGAGAUGGGUGUAAUGCCUGAGAUUGCACAAGCUGUGG
AAGAGAUGGAUUGGCUGCC
>random_seq_from_cds__NO_11679    RANDOM_LENGTH 88  SEQ_LENGTH    62
    GC_CONTENT    0.483870967741936    BASEPAIR  22  FREE_ENERGY
    -18.70 LEN_BP_RATIO  2.81818181818182
UAAGAAAUACAUUGAUAAUCCUAAAUUAAGGGGAGCUUCUGAUAAUUGGAGGUGUUGCAGCCCGG
GAUCAGCUCUCUGUUUUGGAAAA
>random_seq_from_cds__NO_11681    RANDOM_LENGTH 84  SEQ_LENGTH    57
    GC_CONTENT    0.403508771929825    BASEPAIR  20  FREE_ENERGY
    -17.20 LEN_BP_RATIO  2.85
AUCUCAAGUUAGAUUCCUGGUCCUGGAUGAAGCUGGAUGGGCUUCUUUCUCAAGGUUAUUCUGAU
UUUAUAAAUAGGAUGCACA
>random_seq_from_cds__NO_11697    RANDOM_LENGTH 110 SEQ_LENGTH    96
    GC_CONTENT    0.604166666666667    BASEPAIR  33  FREE_ENERGY
    -40.50 LEN_BP_RATIO  2.90909090909091
CAAGCGUGAGGCCCUGUAGCGGGGUCAGGGAAGCCAUUGCAUCGGACCACAGAGGCGUAGAACUU
CGCUGAUGCUUUGGGGAUCCUUGGCAGAGAAGGGUCACUGUAGUU
>random_seq_from_cds__NO_11702    RANDOM_LENGTH 99  SEQ_LENGTH    79
    GC_CONTENT    0.481012658227848    BASEPAIR  29  FREE_ENERGY
    -27.00 LEN_BP_RATIO  2.72413793103448
AUAGUUGAGGUUGUAGGCGAGGACAGUGGUGUAGUGAUUGAACCCAAAAAAGUCAUAGGUGCCGU
UGAUCCUCCUCUUCUCACUCUCUGUAAAUUCUGG
>random_seq_from_cds__NO_11713    RANDOM_LENGTH 90  SEQ_LENGTH    75
    GC_CONTENT    0.573333333333333    BASEPAIR  23  FREE_ENERGY
    -24.57 LEN_BP_RATIO  3.26086956521739
UCAGGAAACCGUCCGUACAGAAACUCAUCCUCCCUGGCCAGUGGCAUGCCGUUGUUGGUAAUGAC
CUCUGUGUAGUACCUGGCGGAGGCU
>random_seq_from_cds__NO_11716    RANDOM_LENGTH 88  SEQ_LENGTH    66
    GC_CONTENT    0.46969696969697 BASEPAIR  21  FREE_ENERGY
    -23.30 LEN_BP_RATIO  3.14285714285714
GGUUUUGUGGUAAAAUAUCCUAUCAGUAUCCUCCGUGUUCGGAUUGGUCAGCCCCACUCCGUUUU
CGGUGAUGUAAAUGGGGAUGUCA
>random_seq_from_cds__NO_11721    RANDOM_LENGTH 84  SEQ_LENGTH    71
    GC_CONTENT    0.619718309859155    BASEPAIR  26  FREE_ENERGY
    -29.00 LEN_BP_RATIO  2.73076923076923
CAUUCGGUCAGCGGCUUCCACAUCUCUGGGGACCCCUGGUGACUUGGGCUCUGCCCAGUGUGUAC
UGAGGCUCAGCGAGAUGAC
>random_seq_from_cds__NO_11731    RANDOM_LENGTH 80  SEQ_LENGTH    60
    GC_CONTENT    0.5 BASEPAIR  22  FREE_ENERGY   -20.10 LEN_BP_RATIO
    2.72727272727273
AAAGUGAAGGCUCUGACUUUGGAGGGGAGGUUUACUGUAUUAGGUGGUAGCAGUCUUUUUGCCCC
CUUGGUGAGGAAACC
>random_seq_from_cds__NO_11732    RANDOM_LENGTH 78  SEQ_LENGTH    58
    GC_CONTENT    0.448275862068966    BASEPAIR  22  FREE_ENERGY
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    -17.50 LEN_BP_RATIO  2.63636363636364
GUUCUUUUCUAUGAUGCUAGUGAAAAAGUAGGCAGAUUUCCUGGGAGUCCUUGACUUGCUGCUGU
CGCUGAAGUUGAC
>random_seq_from_cds__NO_11742    RANDOM_LENGTH 71  SEQ_LENGTH    63
    GC_CONTENT    0.650793650793651   BASEPAIR  22  FREE_ENERGY
    -25.80 LEN_BP_RATIO  2.86363636363636
GGACCAAGUGAGCCACCCUUAAAAGAGGCCACUCCUGGGUCAGAGAUGCCGGGAGGGUGCUGGCC
GGUGCC
>random_seq_from_cds__NO_11744    RANDOM_LENGTH 74  SEQ_LENGTH    56
    GC_CONTENT    0.642857142857143   BASEPAIR  20  FREE_ENERGY
    -24.50 LEN_BP_RATIO  2.8
CGCUCUCAUUCUGCCAUCCACCAUGAUCCUGCAGGGCCUGAGGCAGGUCCCAGUGGAACAGCGUG
GCCAUGGGC
>random_seq_from_cds__NO_11757    RANDOM_LENGTH 97  SEQ_LENGTH    84
    GC_CONTENT    0.571428571428571   BASEPAIR  34  FREE_ENERGY
    -29.10 LEN_BP_RATIO  2.47058823529412
UGGUGCAGGAUGACCAUGGGCUGAAGCCGUGCAGUCUUGAGGGCCUUGAGGAGUCGCCGGUAGCA
CUGCACUGUUUUCUCGUCUGGAUUCUGGGUGC
>random_seq_from_cds__NO_11758    RANDOM_LENGTH 89  SEQ_LENGTH    81
    GC_CONTENT    0.555555555555556   BASEPAIR  27  FREE_ENERGY
    -31.90 LEN_BP_RATIO  3
UUCCUGCUGGGAGGAGCUGUGCCCAUGACAGAAAUACCUUAUAAUGGGUGAUCUGACUGGCAUGG
AGACUGCUGAAGUAUUCUGGCAGG
>random_seq_from_cds__NO_11767    RANDOM_LENGTH 71  SEQ_LENGTH    54
    GC_CONTENT    0.351851851851852   BASEPAIR  21  FREE_ENERGY
    -16.90 LEN_BP_RATIO  2.57142857142857
UGUUGUAGUCUGCAUUUUGGGAUGCAUACUUAUUUGUUGGCUUACAAAAAAGGAAGUAUUCAUCC
AGUGUG
>random_seq_from_cds__NO_11773    RANDOM_LENGTH 92  SEQ_LENGTH    80
    GC_CONTENT    0.625  BASEPAIR  27  FREE_ENERGY   -37.00
    LEN_BP_RATIO  2.96296296296296
GCGGGAACAGGGGUCUCUGCUGGGGAAGCUGGUCCAGAAUGGAACAGAACCUUCAUCCCUGCCAU
UCUUGGACCCCAAUGCCCGCCCCCUGG
>random_seq_from_cds__NO_11774    RANDOM_LENGTH 85  SEQ_LENGTH    68
    GC_CONTENT    0.588235294117647   BASEPAIR  27  FREE_ENERGY
    -33.70 LEN_BP_RATIO  2.51851851851852
UACCAGAGGUCUCCAUUAAGGACUCCACGGGUAUUCAAUACAGGGGGUGCCCCUCGGAUCCUUGC
UUUGGACUGUGGCCUCAAGU
>random_seq_from_cds__NO_11775    RANDOM_LENGTH 82  SEQ_LENGTH    67
    GC_CONTENT    0.626865671641791   BASEPAIR  22  FREE_ENERGY
    -24.90 LEN_BP_RATIO  3.04545454545455
AUAAUCAGAUCCGAUGCCUCUGCCAGCGUGGGGCUGAGGUCACUGUGGUACCCUGGGACCAUGCA
CUAGACAGCCAAGGAGU
>random_seq_from_cds__NO_11783    RANDOM_LENGTH 71  SEQ_LENGTH    60
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    GC_CONTENT    0.583333333333333    BASEPAIR  19  FREE_ENERGY
    -19.80 LEN_BP_RATIO  3.15789473684211
AGACGUUGCUGAUCAACCCCAAUAUUGCCACAGUGCAGACCUCCCAGGGGCUGGCCGACAAGGUC
UAUUUU
>random_seq_from_cds__NO_11796    RANDOM_LENGTH 87  SEQ_LENGTH    76
    GC_CONTENT    0.578947368421053    BASEPAIR  24  FREE_ENERGY
    -17.00 LEN_BP_RATIO  3.16666666666667
UGGACCGCCUGUAUGAGCUCACACGCAUCGACCGCUGGUUCCUGCACCGAAUGAAGCGUAUCAUC
GCACAUGCCCAGCUGCUAGAAC
>random_seq_from_cds__NO_11806    RANDOM_LENGTH 84  SEQ_LENGTH    68
    GC_CONTENT    0.632352941176471    BASEPAIR  21  FREE_ENERGY
    -27.12 LEN_BP_RATIO  3.23809523809524
CCCUCCUAUGUGCUGAGCGGUGCUGCUAUGAAUGUGGCCUACACGGAUGGAGACCUGGAGCGCUU
CCUGAGCAGCGCAGCAGCC
>random_seq_from_cds__NO_11811    RANDOM_LENGTH 85  SEQ_LENGTH    68
    GC_CONTENT    0.573529411764706    BASEPAIR  28  FREE_ENERGY
    -28.70 LEN_BP_RATIO  2.42857142857143
GGGUGUGGACCUAGUAGCCUUGGCCACGCGGGUCAUCAUGGGGGAAGAAGUGGAACCUGUGGGGC
UAAUGACUGGUUCUGGAGUC
>random_seq_from_cds__NO_11813    RANDOM_LENGTH 81  SEQ_LENGTH    62
    GC_CONTENT    0.564516129032258    BASEPAIR  24  FREE_ENERGY
    -29.60 LEN_BP_RATIO  2.58333333333333
GAGGUGGCCGGCUUUGGGGAGAGCCGCUGUGAGGCAUACCUCAAGGCCAUGCUAAGCACUGGCUU
UAAGAUCCCCAAGAAG
>random_seq_from_cds__NO_11820    RANDOM_LENGTH 90  SEQ_LENGTH    70
    GC_CONTENT    0.7 BASEPAIR  25  FREE_ENERGY   -30.82 LEN_BP_RATIO
    2.8
GCCCUGGCUGGGGGUAUCACCAUGGUGUGUGCCAUGCCUAAUACCCGGCCCCCCAUCAUUGACGC
CCCUGCUCUGGCCCUGGCCCAGAAG
>random_seq_from_cds__NO_11829    RANDOM_LENGTH 72  SEQ_LENGTH    64
    GC_CONTENT    0.609375  BASEPAIR  21  FREE_ENERGY   -22.70
    LEN_BP_RATIO  3.04761904761905
CCUAUGUGGAGGGUGGAUCUGGAGCAUGAGUGGACAAUUCCCAGCCACAUGCCCUUCUCCAAGGC
CCACUGG
>random_seq_from_cds__NO_11834    RANDOM_LENGTH 84  SEQ_LENGTH    74
    GC_CONTENT    0.621621621621622    BASEPAIR  21  FREE_ENERGY
    -21.33 LEN_BP_RATIO  3.52380952380952
AGGUAGCCGAGCCAGGAGCUGAUGGGAACCCCUGAUGGCACCUGCUACCCUCCACCACCAGUACC
GAGACAGGCAUCUCCCCAG
>random_seq_from_cds__NO_11835    RANDOM_LENGTH 84  SEQ_LENGTH    69
    GC_CONTENT    0.623188405797101    BASEPAIR  19  FREE_ENERGY
    -19.22 LEN_BP_RATIO  3.63157894736842
AACCUGGGGACCCCUGGCUUGCUGCACCCCCAGACCUCACCCCUGCUGCACUCAUUAGUGGGCCA
ACAUAUCCUGUCCGUCCAG
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>random_seq_from_cds__NO_11838    RANDOM_LENGTH 72  SEQ_LENGTH    63
    GC_CONTENT    0.619047619047619    BASEPAIR  22  FREE_ENERGY
    -23.30 LEN_BP_RATIO  2.86363636363636
UGUGCUCAGCUUCUCGGAAGCCACAUCGUCCGUCCAGAAGGGCGAAUCCCUGGCUGACUCCGUGC
AGACCAU
>random_seq_from_cds__NO_11839    RANDOM_LENGTH 74  SEQ_LENGTH    60
    GC_CONTENT    0.716666666666667    BASEPAIR  21  FREE_ENERGY
    -28.60 LEN_BP_RATIO  2.85714285714286
GAGCUGCUAUGCCGACGUCGUCGUGCUCCGGCACCCCCAGCCUGGAGCAGUGGAGGCUGGCCGCC
AAGCACUGC
>random_seq_from_cds__NO_11847    RANDOM_LENGTH 84  SEQ_LENGTH    70
    GC_CONTENT    0.6 BASEPAIR  22  FREE_ENERGY   -31.84 LEN_BP_RATIO
    3.18181818181818
GGAAGCAGGAGGAGAAGCACCUGAAGAUGCUGCGGGACAUGACCGGCCUCCCGCACAACCGAAAG
UGCUUCGACUGCGACCAGC
>random_seq_from_cds__NO_11889    RANDOM_LENGTH 78  SEQ_LENGTH    65
    GC_CONTENT    0.538461538461538    BASEPAIR  23  FREE_ENERGY
    -20.40 LEN_BP_RATIO  2.82608695652174
GUCACCGAGGACGAGGUCGAGUGGAUGAGACAAGGCUGGACUACUUACUACUGAUCCACGUGUGA
GGGAACGGAAGAA
>random_seq_from_cds__NO_11890    RANDOM_LENGTH 83  SEQ_LENGTH    66
    GC_CONTENT    0.575757575757576    BASEPAIR  24  FREE_ENERGY
    -29.70 LEN_BP_RATIO  2.75
GCCAGGCCAAGAGGGAGCCCGCAGAAAGUUUACGUGGAAGAAACGCUAAGUUAGACUGUGGCGCU
CAGCAUGGCCUCCGUCUC
>random_seq_from_cds__NO_11897    RANDOM_LENGTH 86  SEQ_LENGTH    77
    GC_CONTENT    0.662337662337662    BASEPAIR  29  FREE_ENERGY
    -33.90 LEN_BP_RATIO  2.6551724137931
GCAGCUUCUCCAGCACAGUGGGGUGCUUCAGCAGCUGCAUGAUGAGUGAGGUGCUGGCGCUGGCC
GUGGUGGCAUAGGCCGCAAAG
>random_seq_from_cds__NO_11902    RANDOM_LENGTH 71  SEQ_LENGTH    55
    GC_CONTENT    0.690909090909091    BASEPAIR  23  FREE_ENERGY
    -28.90 LEN_BP_RATIO  2.39130434782609
GGCCUCGGGGUGGCUGCUCCAGGCGCGCAGUGUGUCCUGGAUCACCAGCUGGAUCUUGGGCAGGU
AACUCU
>random_seq_from_cds__NO_11906    RANDOM_LENGTH 89  SEQ_LENGTH    76
    GC_CONTENT    0.684210526315789    BASEPAIR  28  FREE_ENERGY
    -38.60 LEN_BP_RATIO  2.71428571428571
UGGCCGGUCUCUCCGAUGAGCGGGAAGCCCAUGGAUCCCUUGGGGAUGGGCAGCUUGCAGCUCUU
GUCGCGAGUGGCGGCCCAGCGCAG
>random_seq_from_cds__NO_11911    RANDOM_LENGTH 85  SEQ_LENGTH    66
    GC_CONTENT    0.454545454545455    BASEPAIR  23  FREE_ENERGY
    -20.10 LEN_BP_RATIO  2.8695652173913
AUGAUAGCCAGAUUUCUUCUGCAUGGCGGUUACAGGGCAAUCUUUAUGAGCCAGAAGAAGCUGUU
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UCAGCUGUGCCACUUCAUUU
>random_seq_from_cds__NO_11914    RANDOM_LENGTH 72  SEQ_LENGTH    50
    GC_CONTENT    0.58   BASEPAIR  19  FREE_ENERGY   -19.40
    LEN_BP_RATIO  2.63157894736842
GUUAGCUGCUCUUCUCCGACGACCACUUGUACUUUGGGUCUGUGGAGUUGUGUGAGCUGGAGAAG
CCCGGAG
>random_seq_from_cds__NO_11915    RANDOM_LENGTH 97  SEQ_LENGTH    86
    GC_CONTENT    0.523255813953488    BASEPAIR  31  FREE_ENERGY
    -30.00 LEN_BP_RATIO  2.7741935483871
UUUCUGUAGUGGAUGUGGCUGGCUGUUGUAAUGACUGCGGUCGAGAUUCCUCUGACUGAGUCCUA
ACCAAUCCGCUACCAUGACCUUUGACAGUAUC
>random_seq_from_cds__NO_11916    RANDOM_LENGTH 71  SEQ_LENGTH    54
    GC_CONTENT    0.407407407407407    BASEPAIR  19  FREE_ENERGY
    -17.60 LEN_BP_RATIO  2.84210526315789
ACCAUUGGUAACUGGAGGAUGUUGCUGGGUCAAAGCAGCUUUUAAUCUCCAUUUUUGCUUCUGAC
UGUACU
>random_seq_from_cds__NO_11917    RANDOM_LENGTH 68  SEQ_LENGTH    63
    GC_CONTENT    0.603174603174603    BASEPAIR  20  FREE_ENERGY
    -18.20 LEN_BP_RATIO  3.15
GGUUGGGGAGAGGAAGGACCUGGGAUUCCUGGAACACUAGGCACCAUGGUGACUGGUCGAACGAG
CUG
>random_seq_from_cds__NO_11924    RANDOM_LENGTH 82  SEQ_LENGTH    71
    GC_CONTENT    0.47887323943662 BASEPAIR  26  FREE_ENERGY
    -26.50 LEN_BP_RATIO  2.73076923076923
AAUCUUGUUGGUGUUGGGGUCUGAUCCAGCCACAAUGACACUGUCAUUACGUGCUGGACCAAAUU
UCAGUGUCAUCUCAUGU
>random_seq_from_cds__NO_11937    RANDOM_LENGTH 69  SEQ_LENGTH    52
    GC_CONTENT    0.538461538461538    BASEPAIR  19  FREE_ENERGY
    -16.00 LEN_BP_RATIO  2.73684210526316
AAGCACAGAAACUUGGUAAUGGGAUCAACAUCAUUGUGGCCACACCAGGCCGUCUGCUGGACCAU
AUGC
>random_seq_from_cds__NO_11940    RANDOM_LENGTH 110 SEQ_LENGTH    87
    GC_CONTENT    0.448275862068966    BASEPAIR  31  FREE_ENERGY
    -28.30 LEN_BP_RATIO  2.80645161290323
UUGAAGACCUGGCAAGGAUUUCUCUGAAAAAGGAGCCAUUGUAUGUUGGCGUUGAUGAUGAUAAA
GCGAAUGCAACAGUGGAUGGUCUUGAACAGGGGAUAUGUUGUUUG
>random_seq_from_cds__NO_11950    RANDOM_LENGTH 90  SEQ_LENGTH    75
    GC_CONTENT    0.48   BASEPAIR  27  FREE_ENERGY   -27.50
    LEN_BP_RATIO  2.77777777777778
AUCAUUCCAGGCCUGAAGUGAGGGAGCCUUUAUAUUGCCACAGUGUUCAUUGUUCCCAGCAUUGU
UGGGCUCACCUGGAAUCCAGAACCC
>random_seq_from_cds__NO_11956    RANDOM_LENGTH 99  SEQ_LENGTH    69
    GC_CONTENT    0.536231884057971    BASEPAIR  23  FREE_ENERGY
    -22.10 LEN_BP_RATIO  3
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CCCAACUUCUUGUUAAGAUCUGGAUCUGUGCGUUGGCCUUCUCCACACUGGUUUUAACUUCAGG
AACUGAGAACGCACAUAACCCAGGCUCUCAUUCA
>random_seq_from_cds__NO_11964    RANDOM_LENGTH 87  SEQ_LENGTH    54
    GC_CONTENT    0.407407407407407    BASEPAIR  20  FREE_ENERGY
    -16.70 LEN_BP_RATIO  2.7
GAAAAGCUAUCCUCACAUCAUUCAGGACAAAUGUACCCUUCACUUUUUGACCCCAGGGGUGAAUA
AUUCUGGGUCAUAUAUUUGUAG
>random_seq_from_cds__NO_11983    RANDOM_LENGTH 89  SEQ_LENGTH    80
    GC_CONTENT    0.5625 BASEPAIR  25  FREE_ENERGY   -15.90
    LEN_BP_RATIO  3.2
CGGACCUCUUCACCACGCUGGUGGACCUCAAGUGGCGCUGGAACCUCUUCAUCUUCAUUCUCACC
UACACCGUGGCCUGGCUUUUCAUG
>random_seq_from_cds__NO_11997    RANDOM_LENGTH 89  SEQ_LENGTH    74
    GC_CONTENT    0.513513513513513    BASEPAIR  25  FREE_ENERGY
    -23.90 LEN_BP_RATIO  2.96
CCACCAAGAUGUUAUCUGAUCCCAUGAGCCAGUCUGUGGCUGAUUUGCCACCAAAGCUUCAAAAG
AUGGCUGGAGGAGCAGCUAGGAUG
>random_seq_from_cds__NO_12001    RANDOM_LENGTH 101 SEQ_LENGTH    82
    GC_CONTENT    0.463414634146341    BASEPAIR  25  FREE_ENERGY
    -23.44 LEN_BP_RATIO  3.28
GUUAACAAGCUCGCUCCUCUUUAAUGCUGACUCGUCCUCUUCCUUCUUCCACCUUUCUGAGGUGA
AGCACAAUAAGGUUAGAGAUUCGGCAGUACUCAGAG
>random_seq_from_cds__NO_12009    RANDOM_LENGTH 95  SEQ_LENGTH    80
    GC_CONTENT    0.4 BASEPAIR  29  FREE_ENERGY   -21.40 LEN_BP_RATIO
    2.75862068965517
UCGGGACAUGAUGGGAGCUGACAAAUUUAUAUUCUGUUUCAAUGAUUUUGAUCUGUCAUAGUGUC
CACUGAUUGGGUUUGCUGCUGCCAAAAUGG
>random_seq_from_cds__NO_12018    RANDOM_LENGTH 88  SEQ_LENGTH    70
    GC_CONTENT    0.528571428571429    BASEPAIR  21  FREE_ENERGY
    -22.15 LEN_BP_RATIO  3.33333333333333
UCGAAUGCCUUCUGUCUCAUAUCCAUCAACACCACUGACACGGGAAUUAGUUUCUGCACGUGCUC
CCUGGUGUGCUAAGCUUGGAGAC
>random_seq_from_cds__NO_12027    RANDOM_LENGTH 95  SEQ_LENGTH    76
    GC_CONTENT    0.763157894736842    BASEPAIR  29  FREE_ENERGY
    -40.00 LEN_BP_RATIO  2.62068965517241
UUCUGGCACUUCUCGGCCACCUCGUCGCGGACCUCCAGGUGCUGGCUGCCGGCGCCCGGCUCCGC
UGCCGCCGCGAGGUCCAUUUCAGCAUAUGG
>random_seq_from_cds__NO_12047    RANDOM_LENGTH 84  SEQ_LENGTH    55
    GC_CONTENT    0.509090909090909    BASEPAIR  19  FREE_ENERGY
    -19.80 LEN_BP_RATIO  2.89473684210526
UAUCAUUUCCAAACAUCAUGGACUGGUCCCUGCAGAUCACAUUCACCUCCCUGGUCACAAAUAGG
ACAGUCCAAUGGGUGAUUU
>random_seq_from_cds__NO_12061    RANDOM_LENGTH 84  SEQ_LENGTH    79
    GC_CONTENT    0.556962025316456    BASEPAIR  27  FREE_ENERGY
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    -26.20 LEN_BP_RATIO  2.92592592592593
GGUGGCGAGGGGCUUCCCAUCUCCUGUGGUACUGUCUGGAUAAUGAAUCCCCGCUUCAGGAAAGU
GCUUGAAGCCCUAGUUUCU
>random_seq_from_cds__NO_12073    RANDOM_LENGTH 70  SEQ_LENGTH    61
    GC_CONTENT    0.672131147540984   BASEPAIR  22  FREE_ENERGY
    -25.60 LEN_BP_RATIO  2.77272727272727
ACGUGGCGCGUCAGCUGCACAUCUCCCUGCAGUCUGAGCCUGUGGUGACCGAUGCGUUCCUGGCC
GUGGC
>random_seq_from_cds__NO_12075    RANDOM_LENGTH 85  SEQ_LENGTH    73
    GC_CONTENT    0.712328767123288   BASEPAIR  28  FREE_ENERGY
    -36.60 LEN_BP_RATIO  2.60714285714286
CAGGCCCAGCCUGCCAUGGUCCACGCCCUCGUGGACUGCCUGGGGGAGUUCGUGCGCAAGACCCU
GGCAACCUGGCUGCGGAGAC
>random_seq_from_cds__NO_12096    RANDOM_LENGTH 87  SEQ_LENGTH    71
    GC_CONTENT    0.647887323943662   BASEPAIR  25  FREE_ENERGY
    -32.60 LEN_BP_RATIO  2.84
CUUCCUGCUGGUGUGGCUGGUGGUCUUCUGUUGCAGGAUUAUGGCCCUGGCCGCCGCGGCCCUGC
UCCCCACCUUCCACAUGGCCUC
>random_seq_from_cds__NO_12112    RANDOM_LENGTH 84  SEQ_LENGTH    67
    GC_CONTENT    0.462686567164179   BASEPAIR  26  FREE_ENERGY
    -22.90 LEN_BP_RATIO  2.57692307692308
ACGUCCUCUCUACAAGGAAUAUUGUCCUCUCUGGAGGUUCAACCAUGUUCAGGGACUUUGGACGU
CGCUUGCAAAGAGAUUUGA
>random_seq_from_cds__NO_12137    RANDOM_LENGTH 92  SEQ_LENGTH    80
    GC_CONTENT    0.35   BASEPAIR  29  FREE_ENERGY   -19.00
    LEN_BP_RATIO  2.75862068965517
CUUAGUGCAGAGAAGAAAGCUGGGGGCUGGUCAAGGUUUGCAAAUAGGUAUAUUUUAACCAAUA
CUGAUCACUUUUAUUCCAUUCUUCUUU
>random_seq_from_cds__NO_12146    RANDOM_LENGTH 92  SEQ_LENGTH    88
    GC_CONTENT    0.840909090909091   BASEPAIR  35  FREE_ENERGY
    -52.90 LEN_BP_RATIO  2.51428571428571
CGGAGCCGCCUUGGCCGGCCCGGGCCCGGGGCUGCGCGCCGCCGGCUUCAGCCGCAGCUUCAGCU
CGGACUCGGGCUCCAGCCCGGCGUCCG
>random_seq_from_cds__NO_12181    RANDOM_LENGTH 81  SEQ_LENGTH    74
    GC_CONTENT    0.486486486486487   BASEPAIR  30  FREE_ENERGY
    -26.80 LEN_BP_RATIO  2.46666666666667
CUGCUUUCCCACUCAUCCUUCACAUGGAGAGUCUUGGAAGCCAUUUCUAAUAGAUGUUGAUGGUG
GAGGUGGGGGAGGUGC
>random_seq_from_cds__NO_12184    RANDOM_LENGTH 82  SEQ_LENGTH    74
    GC_CONTENT    0.648648648648649   BASEPAIR  22  FREE_ENERGY
    -23.70 LEN_BP_RATIO  3.36363636363636
CGGGGGAGGAAGAGGACCUGAACGUCCUGGCGAAGGUAACGGGGGCGUGGACGAACUGAGGGACA
GAUUCCGCUGUGGGAGU
>random_seq_from_cds__NO_12186    RANDOM_LENGTH 81  SEQ_LENGTH    67
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    GC_CONTENT    0.641791044776119   BASEPAIR  23  FREE_ENERGY
    -31.70 LEN_BP_RATIO  2.91304347826087
GGAAGGCACUGGAGGCUUGUUGUUCUGAGGAGGAGGAGGGGGAACCGCUUCCCUGUGGAUGGAGG
GCCUGUUGCCCACUGG
>random_seq_from_cds__NO_12189    RANDOM_LENGTH 110 SEQ_LENGTH
    102 GC_CONTENT    0.607843137254902   BASEPAIR  36  FREE_ENERGY
    -42.40 LEN_BP_RATIO  2.83333333333333
GGCUGCCUGGGGCCUCCGGGCACUGGUGGGGACCCCGGUUGUGCGGACUUGAUUGAAUGGGUCU
UGGAGUACUAGGUACUGGAGGAGGAAUGCUAUCAGGCUUUGAGCC
>random_seq_from_cds__NO_12191    RANDOM_LENGTH 110 SEQ_LENGTH
    103 GC_CONTENT    0.58252427184466 BASEPAIR  35  FREE_ENERGY
    -38.80 LEN_BP_RATIO  2.94285714285714
CCUGGGCCACUUGGGGGUGAAAAGGGUUUCGCAGAUGUGGAUCUUCCUCCCGGUGGCAACAAUGG
UGGUCGGCUUCCUCCAGAAUCCAUUAUCCCUGUUGGCCGUGGAUC
>random_seq_from_cds__NO_12196    RANDOM_LENGTH 87  SEQ_LENGTH    79
    GC_CONTENT    0.683544303797468   BASEPAIR  29  FREE_ENERGY
    -39.30 LEN_BP_RATIO  2.72413793103448
GCUGGGGGCGUCGCUCCACGUCUGGGGUUGGCUAAUGCUCGGCAGCUGCCUCCUGGCCAGAGCCC
AGGCUGGAUUCUGAUGGCACCA
>random_seq_from_cds__NO_12200    RANDOM_LENGTH 95  SEQ_LENGTH    83
    GC_CONTENT    0.433734939759036   BASEPAIR  27  FREE_ENERGY
    -18.50 LEN_BP_RATIO  3.07407407407407
ACAUGGGCCAAUUAUUCAGACUGCCUUCGCUUUCUGCAGCCAGAUAUCAGCAUAGGAAAGGCAAG
AAUUCUUUGAACGCCUCUAUGUAAUGUAUA
>random_seq_from_cds__NO_12204    RANDOM_LENGTH 110 SEQ_LENGTH
    103 GC_CONTENT    0.378640776699029   BASEPAIR  28  FREE_ENERGY
    -19.51 LEN_BP_RATIO  3.67857142857143
GUUGUGAUGUUUAUUUACUUCCUGGCUACAAAUUAUUAUUGGAUCCUGGUGGAAGGUCUCUACCU
GCAUAAUCUCAUCUUUGUGGCUUUCUUUUCGGACACCAAAUACCU
>random_seq_from_cds__NO_12208    RANDOM_LENGTH 73  SEQ_LENGTH    66
    GC_CONTENT    0.575757575757576   BASEPAIR  23  FREE_ENERGY
    -24.90 LEN_BP_RATIO  2.8695652173913
GUCCUGGUCCUAGUCUUUGGAGUGCAUUACAUCGUGUUCGUAUGCCUGCCUCACUCCUUCACUGG
GCUCGGGU
>random_seq_from_cds__NO_12227    RANDOM_LENGTH 68  SEQ_LENGTH    54
    GC_CONTENT    0.592592592592593   BASEPAIR  20  FREE_ENERGY
    -19.50 LEN_BP_RATIO  2.7
CAUGGUGGCCCGUGUCUCUGUGUCAUGGGAGUGCAGCAAGGAGGCACUCAAGCGCCCAUUAAUCA
GCU
>random_seq_from_cds__NO_12234    RANDOM_LENGTH 70  SEQ_LENGTH    63
    GC_CONTENT    0.650793650793651   BASEPAIR  20  FREE_ENERGY
    -28.60 LEN_BP_RATIO  3.15
CGCUGGGGCUCCUUGUCUGUCUCUGUUGCCCGGGCAGGGGAAGGGAGCUUCUUGGAGUCGGCCUC
UGGCA
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>random_seq_from_cds__NO_12244	RANDOM_LENGTH	82	SEQ_LENGTH	62
	GC_CONTENT	0.516129032258065	BASEPAIR	23	FREE_ENERGY
	-26.30	LEN_BP_RATIO	2.69565217391304
UCGAUAUAAGCGGAGAGUGUCAUGUAGAUUUUCUCUCGAUAAGGGGUGACCCGGUUCAGCAGGAG
AGAGUUGUGCAUGGAGC
>random_seq_from_cds__NO_12265	RANDOM_LENGTH	99	SEQ_LENGTH	88
	GC_CONTENT	0.659090909090909	BASEPAIR	31	FREE_ENERGY
	-39.40	LEN_BP_RATIO	2.83870967741936
CCUCCAGCUUGCUCUCAUAGUCCCAGCCGCUGCUGCUCCAGCAGGUAGGUGGCCUCCUCCCGCUC
GCGGCGGUACUGGUCCUCCAGUUCCUGGAGCCCU
>random_seq_from_cds__NO_12297	RANDOM_LENGTH	71	SEQ_LENGTH	58
	GC_CONTENT	0.637931034482759	BASEPAIR	21	FREE_ENERGY
	-16.90	LEN_BP_RATIO	2.76190476190476
GUCCCACGCCUGCGGCACAUCAUCACUGUUGAUGGAAAGCCACCGACCUGGUCCGAGUUCCCCAA
GGGCAU
>random_seq_from_cds__NO_12344	RANDOM_LENGTH	78	SEQ_LENGTH	73
	GC_CONTENT	0.465753424657534	BASEPAIR	22	FREE_ENERGY
	-15.70	LEN_BP_RATIO	3.31818181818182
GAGGUCUUAGAGUAAAUGGUAUUCUCUUUUCAUGGUCAUCAGGCUCACUCUCAGGGUCAUCUUCG
CUCUCUCUCUUCA
>random_seq_from_cds__NO_12347	RANDOM_LENGTH	82	SEQ_LENGTH	66
	GC_CONTENT	0.439393939393939	BASEPAIR	25	FREE_ENERGY
	-22.90	LEN_BP_RATIO	2.64
AAACCCUGAUCAUCCUUACUUUCUGAGGAGUGAUGUAUUUUAUCCUCUUCAUCUGUGGACACAUC
AAGGGUUCUGGAUUCCU
>random_seq_from_cds__NO_12348	RANDOM_LENGTH	98	SEQ_LENGTH	86
	GC_CONTENT	0.802325581395349	BASEPAIR	30	FREE_ENERGY
	-46.60	LEN_BP_RATIO	2.86666666666667
GAGCCUUCGUCCGCGCGGGGAGCCGCUUUGGUGGCACGCCGGGAGCUCGCCCAGACCCGGCCCCG
GCCACGAGGGCCCCGAACCCGGUGGGGCAGUCC
>random_seq_from_cds__NO_12351	RANDOM_LENGTH	77	SEQ_LENGTH	64
	GC_CONTENT	0.609375	BASEPAIR	21	FREE_ENERGY	-25.80
	LEN_BP_RATIO	3.04761904761905
CAAAGGGUACGACGAUCUACCCCAUUACGGGGGCAUGGAUGGAGUAGGCAUCCCCUCCACGAUGU
AUGGGGACCCGC
>random_seq_from_cds__NO_12367	RANDOM_LENGTH	83	SEQ_LENGTH	49
	GC_CONTENT	0.612244897959184	BASEPAIR	19	FREE_ENERGY
	-23.09	LEN_BP_RATIO	2.57894736842105
UAAUGGCCUGGAGCCAAUCGCCCACUGAUACCACAGCAGAGAAUUCAGGGGAGCUUGGAUCCAAC
AAGGCAGUGUUAGGUCCU
>random_seq_from_cds__NO_12376	RANDOM_LENGTH	110	SEQ_LENGTH	58
	GC_CONTENT	0.5	BASEPAIR	19	FREE_ENERGY	-21.47	LEN_BP_RATIO
	3.05263157894737
CUCUCUCUUGCCAGGCACUUUGAGACGCCCACUGCAUACCUCACCAAAUUCACCCAACUCCUAUA
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ACUUUUUCAAUCUUAAUGCAGGAUGCGUCAAUUUCUUUGGCAAAC
>random_seq_from_cds__NO_12392    RANDOM_LENGTH 110 SEQ_LENGTH
    101 GC_CONTENT    0.495049504950495    BASEPAIR   34  FREE_ENERGY
    -24.60 LEN_BP_RATIO  2.97058823529412
GUAAAACCCCUUUUUGCUUAAUGGCCCUACAUCCCGGAUCUCGGUGUUCAGCUUCAUGAUUCUGU
CACCAAUGUCCACUUGGGUGAAGCUCUCAUCAGCAGCAAUGGUGU
>random_seq_from_cds__NO_12410    RANDOM_LENGTH 102 SEQ_LENGTH    91
    GC_CONTENT    0.428571428571429    BASEPAIR   30  FREE_ENERGY
    -26.16 LEN_BP_RATIO  3.03333333333333
UACUUCUCCAGCUUUCUCCCAUCUCUGAGUGAUGAGGAAUCACUUCUUCUUGGAAAAACUUCCUU
ACACUUUUCCGGAAAAUGUCAUGCUCUGGAGAAAAGA
>random_seq_from_cds__NO_12426    RANDOM_LENGTH 84  SEQ_LENGTH    62
    GC_CONTENT    0.532258064516129    BASEPAIR   22  FREE_ENERGY
    -22.70 LEN_BP_RATIO  2.81818181818182
CAAGAUCUCAAAUCAAGGCCGGAGUCUGUGGAAUGUAUCAGGGUAUAAUUUCCGUGGGUUUCGCU
GGUUACAGGCUAUGAUAUU
>random_seq_from_cds__NO_12433    RANDOM_LENGTH 82  SEQ_LENGTH    55
    GC_CONTENT    0.545454545454545    BASEPAIR   20  FREE_ENERGY
    -15.50 LEN_BP_RATIO  2.75
CUCUGAUGAGGAAGAGAUCCAGCAUGUGGUAGAGGUGAUUCAAAAUUCCACGGCCAAAGUCAUCG
UGGUUUUCUCCAGUGGC
>random_seq_from_cds__NO_12439    RANDOM_LENGTH 97  SEQ_LENGTH    76
    GC_CONTENT    0.565789473684211    BASEPAIR   22  FREE_ENERGY
    -16.32 LEN_BP_RATIO  3.45454545454545
ACUUAGCAGUCUACUCCAUUGCCCACGCCUUGCAAGAUAUAUAUACCUGCUUACCUGGGAGAGGG
CUCUUCACCAAUGGCUCCUGUGCAGACAUCAA
>random_seq_from_cds__NO_12470    RANDOM_LENGTH 73  SEQ_LENGTH    66
    GC_CONTENT    0.545454545454545    BASEPAIR   21  FREE_ENERGY
    -22.90 LEN_BP_RATIO  3.14285714285714
GGGGAGUGGGAGCUCUUGGGCAUCAACAAGGCCACCCCAAAGAUGUCCAUGGGCAACAACCUAUA
UGACCAGA
>random_seq_from_cds__NO_12473    RANDOM_LENGTH 90  SEQ_LENGTH    70
    GC_CONTENT    0.585714285714286    BASEPAIR   23  FREE_ENERGY
    -20.50 LEN_BP_RATIO  3.04347826086957
CUUCCUGCUCAUGAUGAAUGACUUGCUCCCUGCCAGUGGCACCCCCCUCAUCAGGUGUCUACUUC
GCCCUGUGCCUGUCCCUGAUGGUGG
>random_seq_from_cds__NO_12478    RANDOM_LENGTH 85  SEQ_LENGTH    72
    GC_CONTENT    0.486111111111111    BASEPAIR   24  FREE_ENERGY
    -24.50 LEN_BP_RATIO  3
UCCUCUGGAACACCUAGAAUGGCUUCUGUUUGGCAGAGAUUGGGUUUUUAUGCCUCUCUUCUGAA
AAGACAGCUAAAUGGUGGGC
>random_seq_from_cds__NO_12482    RANDOM_LENGTH 85  SEQ_LENGTH    73
    GC_CONTENT    0.534246575342466    BASEPAIR   27  FREE_ENERGY
    -27.70 LEN_BP_RATIO  2.7037037037037
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AUCCUUCUGGUAAGCUGCACAUGGGCCAUGUGCGUGUCUACACCAUCAGCGACACCAUAGCACGG
UUCCAGAAGAUGAGAGGGAU
>random_seq_from_cds__NO_12486    RANDOM_LENGTH 90  SEQ_LENGTH    82
    GC_CONTENT    0.548780487804878    BASEPAIR  25  FREE_ENERGY
    -26.16 LEN_BP_RATIO  3.28
ACUGGGACCCAGUGGAUCAAACAGUGCUUGCCAAUGAGCAGGUGGAUGAACAUGGCUGUUCAUGG
CGUUCUGGAGCAAAGGUGGAACAGA
>random_seq_from_cds__NO_12494    RANDOM_LENGTH 73  SEQ_LENGTH    66
    GC_CONTENT    0.606060606060606    BASEPAIR  23  FREE_ENERGY
    -18.20 LEN_BP_RATIO  2.8695652173913
CACACCAAUCCCCAUUGUCCACUGCCCAGUCUGUGGCCCCACACCUGUGCCCCUGGAGGACUUGC
CUGUGACC
>random_seq_from_cds__NO_12559    RANDOM_LENGTH 84  SEQ_LENGTH    73
    GC_CONTENT    0.479452054794521    BASEPAIR  25  FREE_ENERGY
    -16.70 LEN_BP_RATIO  2.92
GGGAUGUCCGUCCAUUGAUACAAACCAAAGAUGGAGAAAAUUACGCUACAGUGGUUGGGUACAGU
GCUUUCUUACAUUGCGAGU
>random_seq_from_cds__NO_12562    RANDOM_LENGTH 110 SEQ_LENGTH    92
    GC_CONTENT    0.402173913043478    BASEPAIR  25  FREE_ENERGY
    -16.75 LEN_BP_RATIO  3.68
AUAGGAAAAACUGCAGUCACAGCCAAUUUGGAUAUUAGAAGAUGCUACAAAACUUAGAGUUUCUC
CUAAGAAUCCUCGUAUCCCCAAAUUGCAUAUGCUUGAAUUACAUU
>random_seq_from_cds__NO_12567    RANDOM_LENGTH 88  SEQ_LENGTH    81
    GC_CONTENT    0.45679012345679 BASEPAIR  27  FREE_ENERGY
    -29.33 LEN_BP_RATIO  3
AACAAAGAAGAGCCUGGAAGGUGGGAGGAACUGACCAGAGUCCAAGGAAAGAAAACCACAGUUAU
CUUACCUUUGGCUCCAUUUGUGA
>random_seq_from_cds__NO_12585    RANDOM_LENGTH 82  SEQ_LENGTH    64
    GC_CONTENT    0.5 BASEPAIR  20  FREE_ENERGY   -20.20 LEN_BP_RATIO
    3.2
UAUUGGUGCCUACGCUGGAUCUAAGGAGAAGGGAUCUGUUGAAAGCAAUGGAAGUUCUACAGCAA
CUUUUCCCCUUCGGGCA
>random_seq_from_cds__NO_12591    RANDOM_LENGTH 90  SEQ_LENGTH    68
    GC_CONTENT    0.485294117647059    BASEPAIR  24  FREE_ENERGY
    -27.30 LEN_BP_RATIO  2.83333333333333
AGAAGGUCAAGGUGUGGUGCUUCUCUGUGGCCCACCGCCACAUUUUGGAGGAUUUAUCUUAUGCA
UGGACCUUCAAUGAUAACCCCUUAU
>random_seq_from_cds__NO_12611    RANDOM_LENGTH 85  SEQ_LENGTH    75
    GC_CONTENT    0.48   BASEPAIR  24  FREE_ENERGY   -17.30
    LEN_BP_RATIO  3.125
UGAACUCGUCAUUACGUGGGAGGUCAAUUCCAGAAGAACUGCAGAAUGGGGAGGGAUUUGGAUAU
AUCAUCAUGUUCCGGCCAGU
>random_seq_from_cds__NO_12619    RANDOM_LENGTH 82  SEQ_LENGTH    63
    GC_CONTENT    0.428571428571429    BASEPAIR  22  FREE_ENERGY
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    -20.20 LEN_BP_RATIO  2.86363636363636
CAUCAGCUGAGCUUCUGGUUCCAUUUGAAGAAGACUACUUAAUUGAAAUAAGAACAGUCAGUGAU
GGUGGAGAUGGAAGCAG
>random_seq_from_cds__NO_12620    RANDOM_LENGTH 81  SEQ_LENGTH    74
    GC_CONTENT    0.378378378378378   BASEPAIR  26  FREE_ENERGY
    -17.70 LEN_BP_RATIO  2.84615384615385
CAGUGAGGAAAUUAGGAUUCCAAAAAUGUCAAGGUUUGAGUUCCAGAGGAAUUCAAUUCUUAGAA
CCUAGCACCCAUUUUC
>random_seq_from_cds__NO_12627    RANDOM_LENGTH 86  SEQ_LENGTH    79
    GC_CONTENT    0.518987341772152   BASEPAIR  26  FREE_ENERGY
    -19.70 LEN_BP_RATIO  3.03846153846154
CUCGCGCUGCCGUGGACUUUUGGAGAAUGAGUUGAAACUGAUGGAAGAAUUUGUCAAGCAAUAUA
AGAGCGAGGCCCUCGGCGUGG
>random_seq_from_cds__NO_12630    RANDOM_LENGTH 90  SEQ_LENGTH    78
    GC_CONTENT    0.615384615384615   BASEPAIR  25  FREE_ENERGY
    -29.60 LEN_BP_RATIO  3.12
CCCACCUGCUUUGUGUGUGCCAAGUGCUCCGAGCCGCUGGUGGACCUCAUCUACUUCUGGAAGGA
UGGUGCACCCUGGUGCGGCCGCCAU
>random_seq_from_cds__NO_12649    RANDOM_LENGTH 88  SEQ_LENGTH    74
    GC_CONTENT    0.513513513513513   BASEPAIR  26  FREE_ENERGY
    -28.90 LEN_BP_RATIO  2.84615384615385
CUGAUGGCUCCCAGUACUAUGUUCUGCUCAUCAUCACUGAUGGGGUCAUCUCUGACAUGACGCAG
ACCAAGGAGGCCAUCGUCAGCGG
>random_seq_from_cds__NO_12650    RANDOM_LENGTH 86  SEQ_LENGTH    76
    GC_CONTENT    0.486842105263158   BASEPAIR  26  FREE_ENERGY
    -23.30 LEN_BP_RATIO  2.92307692307692
CCUCCUCAUUGCCCAUGUCUAUCAUUAUCGUCGGUGUAGGACCAGCCAUGUUUGAGGGCAAUGGA
AGAGUUGGACGGUGAUGAUGU
>random_seq_from_cds__NO_12665    RANDOM_LENGTH 88  SEQ_LENGTH    75
    GC_CONTENT    0.653333333333333   BASEPAIR  25  FREE_ENERGY
    -30.10 LEN_BP_RATIO  3
CCGUUGCCUGCAGUCACCCUCUCGUGCUGUGGAUUGUGCCCUGUGCCCCAACAAGGGCGGUGCCU
UCAAGCAGACAGAUGACGGGCGC
>random_seq_from_cds__NO_12671    RANDOM_LENGTH 73  SEQ_LENGTH    60
    GC_CONTENT    0.666666666666667   BASEPAIR  20  FREE_ENERGY
    -22.60 LEN_BP_RATIO  3
GAUCCUGGCAGAGAAGCGGGCAGCAGCACCUGUGGUGUCAGUGCCCUGCAUCCCACCACACAGGG
CUUAGUAA
>random_seq_from_cds__NO_12678    RANDOM_LENGTH 82  SEQ_LENGTH    67
    GC_CONTENT    0.701492537313433   BASEPAIR  26  FREE_ENERGY
    -31.70 LEN_BP_RATIO  2.57692307692308
ACACCAUCUUCUACCGGGCAGCAGUGCGGCUUCGUGAGCAGGGUGGUGCUGUGCUCCGCCAGGCC
CGGCGCCAGGCAGAAAA
>random_seq_from_cds__NO_12696    RANDOM_LENGTH 110 SEQ_LENGTH
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   104 GC_CONTENT   0.644230769230769   BASEPAIR  37  FREE_ENERGY
   -41.60 LEN_BP_RATIO  2.81081081081081
GGGCUCUGCAGCACCGCAGCAAGGUGCAAGGCGAGCAGAGCAGUGAGACCAGCGAUAGUGAUUGA
GAUGGACUGCCACUCUCCGCCCCUACCUGAGUGCCGUGCGGGCCA
>random_seq_from_cds__NO_12699   RANDOM_LENGTH 88  SEQ_LENGTH   62
   GC_CONTENT   0.419354838709677   BASEPAIR  24  FREE_ENERGY
   -20.60 LEN_BP_RATIO  2.58333333333333
UGUGAAACAGGGCUGAUGAGAUCGAGAAGAUUUUGUGCCACAAGUUCAUGCGCUUCAUGAUGAUG
CGAGCAGAGAACUUCUUUAUCCU
>random_seq_from_cds__NO_12714   RANDOM_LENGTH 87  SEQ_LENGTH   73
   GC_CONTENT   0.534246575342466   BASEPAIR  20  FREE_ENERGY
   -18.12 LEN_BP_RATIO  3.65
AGUACCUGCAUGGUCUGGAGAUCAUCCACAGCAACGUCAAGAGGCUCUAAUGUCUUGCUGGACCA
AAAUCUCACCCCCAAACUUGCU
>random_seq_from_cds__NO_12731   RANDOM_LENGTH 89  SEQ_LENGTH   70
   GC_CONTENT   0.557142857142857   BASEPAIR  22  FREE_ENERGY
   -24.50 LEN_BP_RATIO  3.18181818181818
AGCUGGAACAUCUGAAACUUGGUCUCCUGGACAUGCAGGUGUUUGUAGAGGCUGCUGCCCUCGCA
CCACUGGGUCACAAUUGCCAGGUU
>random_seq_from_cds__NO_12737   RANDOM_LENGTH 88  SEQ_LENGTH   72
   GC_CONTENT   0.513888888888889   BASEPAIR  28  FREE_ENERGY
   -30.80 LEN_BP_RATIO  2.57142857142857
UGUGACUUCGAAUUGCAUCCCUCAAUCAUCCUGCUGUCCACAGGCAGGGUGGUGCUGACCAUGUG
GACAUUAGGUGUGGAUGUCGACC
>random_seq_from_cds__NO_12747   RANDOM_LENGTH 110 SEQ_LENGTH
   101 GC_CONTENT   0.544554455445545   BASEPAIR  29  FREE_ENERGY
   -31.77 LEN_BP_RATIO  3.48275862068966
CCUGUAUGUGCUCCAUCCUACUCAUUUUCUUCACUGCGCAGCCUGGCAUUGGGGUUGGUGACUCU
GAUGGCCAGUUGGGCAGCUCUUUCCACGAUGGCUUUGCGGUUCUU
>random_seq_from_cds__NO_12755   RANDOM_LENGTH 88  SEQ_LENGTH   74
   GC_CONTENT   0.648648648648649   BASEPAIR  28  FREE_ENERGY
   -30.00 LEN_BP_RATIO  2.64285714285714
AGAUCAGCUGCCAGUUCAUGCUGUGCCCGGAGCUGCCGCCCAACUGCAUCGAGGCUGUAGUGGUG
GCUGACAGCUGCCCACAGUGCGG
>random_seq_from_cds__NO_12762   RANDOM_LENGTH 90  SEQ_LENGTH   86
   GC_CONTENT   0.651162790697674   BASEPAIR  29  FREE_ENERGY
   -45.40 LEN_BP_RATIO  2.96551724137931
CUGGAUGGGCUGCCCACUACAGCCCCAGCCUGGACCCAGUCUUCCUAUCCAGGAGGAGAGGGCAG
AAGCUGGGGCAAGGGCAGAAGCUGG
>random_seq_from_cds__NO_12764   RANDOM_LENGTH 84  SEQ_LENGTH   65
   GC_CONTENT   0.692307692307692   BASEPAIR  20  FREE_ENERGY
   -29.00 LEN_BP_RATIO  3.25
UGGGCAAGGCUGCUCUCGUCCCAACUCAGGCCGUGCCUGGCUCUCCCAGGGACCCAGUCAAGCCC
AGCCCCCACAACAUCCUGU
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>random_seq_from_cds__NO_12772    RANDOM_LENGTH 78  SEQ_LENGTH    66
    GC_CONTENT    0.696969696969697    BASEPAIR  24  FREE_ENERGY
    -35.30 LEN_BP_RATIO  2.75
CACCACGGAGAGGUUUCAGAGGCAGAGAUGGCGGGCCGAGAGGCCCUGUCACUGGGCACAGAGGC
CGAGCUGCCGAAC
>random_seq_from_cds__NO_12781    RANDOM_LENGTH 84  SEQ_LENGTH    72
    GC_CONTENT    0.625  BASEPAIR  25  FREE_ENERGY   -23.80
    LEN_BP_RATIO  2.88
AACCCGCUGAUCUGCGCGCGCGGCUACCACGCCAGCGAUGAUGGGACCAAGUGUGUGGGACGUGA
AUGAGUGUGAGACAGGUGU
>random_seq_from_cds__NO_12783    RANDOM_LENGTH 98  SEQ_LENGTH    79
    GC_CONTENT    0.658227848101266    BASEPAIR  27  FREE_ENERGY
    -36.50 LEN_BP_RATIO  2.92592592592593
UUUGGCCGGGGCUGCAUCGGACGUGAAUGAGUGCUGGGCCUCGCCAGGCCGCCUGUGCCAGCACA
CGUGUGAGAACACACUCGGCUCCUACCGCUGUU
>random_seq_from_cds__NO_12796    RANDOM_LENGTH 84  SEQ_LENGTH    71
    GC_CONTENT    0.450704225352113    BASEPAIR  25  FREE_ENERGY
    -16.80 LEN_BP_RATIO  2.84
ACCUUGACAUCUAUGAACAGCAAGUGAUGACUGCAGCCCAAAAGGGAUGUACAGAUUAUAGUGUU
UCCAGAAGAUGGCAUUCAU
>random_seq_from_cds__NO_12817    RANDOM_LENGTH 80  SEQ_LENGTH    59
    GC_CONTENT    0.423728813559322    BASEPAIR  25  FREE_ENERGY
    -19.30 LEN_BP_RATIO  2.36
GAUGACCUGAACUGGUGAAUUUGGGUAAGUAGGAUAUGCCCUGAACAUACUGAGUUAUAGGAUUC
AUCGUGGUUGUGGGC
>random_seq_from_cds__NO_12824    RANDOM_LENGTH 64  SEQ_LENGTH    59
    GC_CONTENT    0.576271186440678    BASEPAIR  19  FREE_ENERGY
    -21.11 LEN_BP_RATIO  3.10526315789474
CUUGCCAAUGCCCAGGUGGCUAAGGGUUUCCCCAUAGUCUACUGUUCCGAUGGCUUCUGCGAGC
>random_seq_from_cds__NO_12825    RANDOM_LENGTH 85  SEQ_LENGTH    69
    GC_CONTENT    0.449275362318841    BASEPAIR  22  FREE_ENERGY
    -18.30 LEN_BP_RATIO  3.13636363636364
UUGCUGGAUUUGCCCGAACUGAAGUCAUGCAGAAGAGUUGUAGCUGCAAGUUCUUAUUUGGGGUU
GAAACCAAUGAGCAACUGAU
>random_seq_from_cds__NO_12837    RANDOM_LENGTH 82  SEQ_LENGTH    65
    GC_CONTENT    0.492307692307692    BASEPAIR  24  FREE_ENERGY
    -17.40 LEN_BP_RATIO  2.70833333333333
GGGAAGACAACAGCCUUCUGAAGUGGGAAGUUGGGUUGGCUUCAUGAGUUGGGAAAGAGACUGGA
AUCUCCAUACUAUGGCA
>random_seq_from_cds__NO_12838    RANDOM_LENGTH 81  SEQ_LENGTH    61
    GC_CONTENT    0.639344262295082    BASEPAIR  22  FREE_ENERGY
    -21.56 LEN_BP_RATIO  2.77272727272727
ACAAUACCUUGGGGGGCCCGUCGAUCCGAAGUGCCUAUAUUGCCGCUCUGUACUUCACGCUGAGC
AGCCUCACCAGCGUGG
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>random_seq_from_cds__NO_12862    RANDOM_LENGTH 110 SEQ_LENGTH    90
    GC_CONTENT    0.477777777777778    BASEPAIR  35  FREE_ENERGY
    -30.60 LEN_BP_RATIO  2.57142857142857
AAUCAACAUCAUCUUCUUCUUCAUCAGACUCUGCAAAAUAUUUUACUUCUUUCCUAGCCCGACCG
GUUCGUGGCAGAGAAGGUGGCUCAGUAGGGAAGUCUGAGGGGAAG
>random_seq_from_cds__NO_12874    RANDOM_LENGTH 75  SEQ_LENGTH    55
    GC_CONTENT    0.454545454545455    BASEPAIR  19  FREE_ENERGY
    -15.50 LEN_BP_RATIO  2.89473684210526
GCAUCUGCCUUCAUAGCUGUAAUUUCAGGAAUUAUUCUUCUGCCAUAAGGUGAGGGCAUUGUCUC
UUCCAACUGG
>random_seq_from_cds__NO_12890    RANDOM_LENGTH 98  SEQ_LENGTH    76
    GC_CONTENT    0.407894736842105    BASEPAIR  25  FREE_ENERGY
    -16.70 LEN_BP_RATIO  3.04
UGACCAAUAGGCUGAAGCAAGUUAAUGUUGUUACUUCCCACAAAGUUCUGAGCCAAAUUCACAAU
AGUCAUCAUCAAUGCUUGCUUCUCCAUGAUGAU
>random_seq_from_cds__NO_12917    RANDOM_LENGTH 82  SEQ_LENGTH    56
    GC_CONTENT    0.785714285714286    BASEPAIR  21  FREE_ENERGY
    -22.90 LEN_BP_RATIO  2.66666666666667
CAGCAUUGUUCCACCCAGGUCAGUGCCCCGUUGCCGCCGCCCACGCCGGCUCCCGCGCCGCAGCC
ACCCGACUUGGCCAUUU
>random_seq_from_cds__NO_12926    RANDOM_LENGTH 87  SEQ_LENGTH    75
    GC_CONTENT    0.4 BASEPAIR  24  FREE_ENERGY   -18.00 LEN_BP_RATIO
    3.125
GACAAUCUGAUGGGAUCGAAUCAUAGUUGUCUCUGAAGCCUUUUGCAAAGGGGUUAUGAUCAAUC
UUUAGUUGAGUAAUCAUCGGUG
>random_seq_from_cds__NO_12930    RANDOM_LENGTH 88  SEQ_LENGTH    76
    GC_CONTENT    0.460526315789474    BASEPAIR  22  FREE_ENERGY
    -19.60 LEN_BP_RATIO  3.45454545454545
AGUAUUAGGAGACUCUGGGUGAACAUACAUUUUGUUGCCCCUGCAUGUUAUUGUCGGCUUUGCCA
CAGGUCACCCAUUUGCCCCCCUG
>random_seq_from_cds__NO_12935    RANDOM_LENGTH 85  SEQ_LENGTH    72
    GC_CONTENT    0.805555555555556    BASEPAIR  26  FREE_ENERGY
    -39.80 LEN_BP_RATIO  2.76923076923077
CCGCUGCUACCGCCCGCGCCACUGCCCGCACCGGCUCCUGGGCCGAACUGCGCCCUCCCGGGUGG
GCACACAGCCGCGGGGAAGC
>random_seq_from_cds__NO_12937    RANDOM_LENGTH 85  SEQ_LENGTH    71
    GC_CONTENT    0.690140845070423    BASEPAIR  26  FREE_ENERGY
    -35.80 LEN_BP_RATIO  2.73076923076923
ACGGGAAGAGUGAGCAGGGCGCAGCCAGCUCCGACCCCUGAGGACCGGGGGACUGGAGGUAGUAC
CGCUCGGAGCUCAGGCUGUC
>random_seq_from_cds__NO_12940    RANDOM_LENGTH 80  SEQ_LENGTH    63
    GC_CONTENT    0.825396825396825    BASEPAIR  23  FREE_ENERGY
    -39.30 LEN_BP_RATIO  2.73913043478261
GCAUGGCCGCGGGGGCCCCUGCGCUGGCGGCUGCGGGCUCCCCGCUCACCGCCUCGCAGGAGAGA
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CUGCCGGAAAACUUC
>random_seq_from_cds__NO_12955    RANDOM_LENGTH 81  SEQ_LENGTH    47
    GC_CONTENT    0.553191489361702    BASEPAIR  19  FREE_ENERGY
    -16.62 LEN_BP_RATIO  2.47368421052632
AUGAAUCACCUUUCGUUGGGCACAACAGGAACGGUAUAUGACUGCUGCUGCUCCUAUGCAAGGGA
CCUACAUUCCUCAGUA
>random_seq_from_cds__NO_12972    RANDOM_LENGTH 85  SEQ_LENGTH    56
    GC_CONTENT    0.5 BASEPAIR  22  FREE_ENERGY   -23.40 LEN_BP_RATIO
    2.54545454545455
CACUUUUUUCAUCUUCAGACAAAACCAAUUCAGAGCCUGAGUUUGGCCUCUGGCUCUGGCUGUGA
GGUUUGUUCGUCUUCAGCAG
>random_seq_from_cds__NO_12977    RANDOM_LENGTH 89  SEQ_LENGTH    78
    GC_CONTENT    0.58974358974359 BASEPAIR  28  FREE_ENERGY
    -33.90 LEN_BP_RATIO  2.78571428571429
UGAUUGUGACAACACCGGGGGCCCCCACACUGAGGUGUCUCUGGCUACAGGGAGACGCAGAAUUG
GGUGUUCCAUGUGGGAGCAAAGUG
>random_seq_from_cds__NO_12980    RANDOM_LENGTH 88  SEQ_LENGTH    77
    GC_CONTENT    0.571428571428571    BASEPAIR  26  FREE_ENERGY
    -27.10 LEN_BP_RATIO  2.96153846153846
AGAGUACACCACCAGCAUGUGGGGAGCUUCAUCGCUCAGGGACACUAUGGCUCCAGAUAAAGACA
GGACUCCUCGAGGCUUCUGGUGU
>random_seq_from_cds__NO_13004    RANDOM_LENGTH 110 SEQ_LENGTH    93
    GC_CONTENT    0.505376344086022    BASEPAIR  30  FREE_ENERGY
    -24.93 LEN_BP_RATIO  3.1
GGAGCAAGUUACUCAGAUGGAAAACUGAAAGCCCCUCCUAAACCAUGUGCUGGCAAUCAAGGGAC
CCAGAUCACGGGUGGAGGACCUUUUUUACAACAUAGCCACGAGGA
>random_seq_from_cds__NO_13013    RANDOM_LENGTH 82  SEQ_LENGTH    73
    GC_CONTENT    0.547945205479452    BASEPAIR  29  FREE_ENERGY
    -25.30 LEN_BP_RATIO  2.51724137931034
CCCUGUCCAGUCAGCCCCAGGCCAUUGUCACAGAGGAUAAGACAGAUAUUUCUAGUGGCAGGGCU
AGGCAGCAAGAUGAGGA
>random_seq_from_cds__NO_13014    RANDOM_LENGTH 80  SEQ_LENGTH    65
    GC_CONTENT    0.569230769230769    BASEPAIR  21  FREE_ENERGY
    -23.32 LEN_BP_RATIO  3.0952380952381
GAUGCUUGAACUCCCAGCCCCUGCUGAAGUGGCUGCCAAAAAUCAGAGCUUGGAGGGGGAUACAA
CAAAGGGGACUUCAG
>random_seq_from_cds__NO_13019    RANDOM_LENGTH 84  SEQ_LENGTH    75
    GC_CONTENT    0.6 BASEPAIR  26  FREE_ENERGY   -27.10 LEN_BP_RATIO
    2.88461538461538
CGGGAGCCAGCACCGCUCUUUGACCUUGCCAUGCUUGCCUUAGAUAGUCCAGAGAGUGGCUGGAC
AGAGGAAGAUGGUCCCAAA
>random_seq_from_cds__NO_13020    RANDOM_LENGTH 84  SEQ_LENGTH    55
    GC_CONTENT    0.363636363636364    BASEPAIR  20  FREE_ENERGY
    -16.20 LEN_BP_RATIO  2.75
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GAAGGACUUGCUGAAUACAUUGUUGAGUUUCUGAAGAAGAAGGCUGAGAUGCUUGCAGACUAUUU
CUCUUUGGAAAUUGAUGAG
>random_seq_from_cds__NO_13022    RANDOM_LENGTH 82  SEQ_LENGTH    62
    GC_CONTENT    0.451612903225806   BASEPAIR  21  FREE_ENERGY
    -16.80 LEN_BP_RATIO  2.95238095238095
UCAUUCUUCGACUAGCCACUGAGGGUGAAUUGGGACGAAGAAAAGGAAUGUUUUGAAAGCCUCAG
UAAAGAAUGCGCUAUGU
>random_seq_from_cds__NO_13032    RANDOM_LENGTH 88  SEQ_LENGTH    59
    GC_CONTENT    0.576271186440678   BASEPAIR  20  FREE_ENERGY
    -22.10 LEN_BP_RATIO  2.95
CGGCGGGAGGGGAUAAAUCGAUUCAUGUAAAGCUGGACGUGGGCAAGCUGCACACCCAGCCUAAG
UUAGCGGCCCAGCUCAGGAUGGU
>random_seq_from_cds__NO_13038    RANDOM_LENGTH 97  SEQ_LENGTH    91
    GC_CONTENT    0.582417582417582   BASEPAIR  26  FREE_ENERGY
    -35.90 LEN_BP_RATIO  3.5
UGCCAGCCCGUGCCUCAUCCCUCAACUCCAGUGACAUCUUCUUGCUGGUCACAGCCAGCGUCUGC
UACCUCUGGUUUGGGAAGGGGCUGUAAUGGUG
>random_seq_from_cds__NO_13040    RANDOM_LENGTH 70  SEQ_LENGTH    59
    GC_CONTENT    0.728813559322034   BASEPAIR  21  FREE_ENERGY
    -29.30 LEN_BP_RATIO  2.80952380952381
UUCUGGGAGGCCCUGGGAGGCCGGGCCCCCUACCCCAGCAACAAGAGGGCUCCCUGAGGAGGUCC
CCAGC
>random_seq_from_cds__NO_13045    RANDOM_LENGTH 87  SEQ_LENGTH    71
    GC_CONTENT    0.690140845070423   BASEPAIR  24  FREE_ENERGY
    -37.30 LEN_BP_RATIO  2.95833333333333
GCGGCUAUCCAGAUGGCCGGGCAAUGGCAGGGCAGGUGCCGUGGCCCUGCAGGCCCUCAAGGGCU
CCCAGGACAGCUCAGAGAAUGA
>random_seq_from_cds__NO_13052    RANDOM_LENGTH 92  SEQ_LENGTH    84
    GC_CONTENT    0.535714285714286   BASEPAIR  30  FREE_ENERGY
    -24.10 LEN_BP_RATIO  2.8
CAGCCCUGGCUUGCAAAGGCCUCAUUGAUCUCGAAGAUGUCCACGUCACUCACUGUCAGCCCCUG
CUUUUUGCAAAGCUACUGGGAUGGCAU
>random_seq_from_cds__NO_13072    RANDOM_LENGTH 110 SEQ_LENGTH    84
    GC_CONTENT    0.380952380952381   BASEPAIR  29  FREE_ENERGY
    -20.90 LEN_BP_RATIO  2.89655172413793
CUCCUUAUCAUAAAUAUCCACCAAUGAAGGGUUUUAAUGCUGACACUGCAGAACGAUCCUCCUUC
UUUGGAAACUGGUGUUCAAGAUAAAGAAAUGCUGAAAAAAUAUGG
>random_seq_from_cds__NO_13085    RANDOM_LENGTH 63  SEQ_LENGTH    52
    GC_CONTENT    0.634615384615385   BASEPAIR  20  FREE_ENERGY
    -16.60 LEN_BP_RATIO  2.6
CUGAACAGCUGGUACUGAGCGUGCCCCUGGACACUGCAGGUCACCCAGAGCCCUGCCUCAUGU
>random_seq_from_cds__NO_13087    RANDOM_LENGTH 84  SEQ_LENGTH    65
    GC_CONTENT    0.538461538461538   BASEPAIR  21  FREE_ENERGY
    -17.90 LEN_BP_RATIO  3.0952380952381
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UAUCCUGAGAACAGGCUCCCAUCCCUGAAGAAUGAGGUUCAACCUGGUUUGUGAUCGGAAGCACC
UGAAGGACACCACACAGUC
>random_seq_from_cds__NO_13098    RANDOM_LENGTH 82  SEQ_LENGTH    70
    GC_CONTENT    0.585714285714286    BASEPAIR  24  FREE_ENERGY
    -25.82 LEN_BP_RATIO  2.91666666666667
UGCCCGUGGUGGUCACCAUGCUGGCUGUGGUGGGGAAGAUGGCCACAGCUGCUGCCUUUACCAUC
UCCUAUGUGUACUCUGC
>random_seq_from_cds__NO_13112    RANDOM_LENGTH 85  SEQ_LENGTH    71
    GC_CONTENT    0.591549295774648    BASEPAIR  24  FREE_ENERGY
    -20.86 LEN_BP_RATIO  2.95833333333333
UAUCCUGGGACACUGCUUUUUCGCUGUUGGGGCCGUGUUGCUGACAGGGAUCGCCUACAGUCUUC
CCCACUGGCAGCUGCUGUUU
>random_seq_from_cds__NO_13115    RANDOM_LENGTH 75  SEQ_LENGTH    58
    GC_CONTENT    0.53448275862069 BASEPAIR  20  FREE_ENERGY
    -19.00 LEN_BP_RATIO  2.9
UGCCCAGAAAGAAGGUGACUCGGGCCUCUGUCCUGGACUUCUGUAAGAAUAGGCAGCUCUGCAAG
GUGACCUUGG
>random_seq_from_cds__NO_13125    RANDOM_LENGTH 90  SEQ_LENGTH    70
    GC_CONTENT    0.5 BASEPAIR  26  FREE_ENERGY   -28.20 LEN_BP_RATIO
    2.69230769230769
UGCACAAGGAUGGGCUGACGGUCACUUCUCCAGUACUAAUGUGGGUCCAGGGCACUGGAUAUCAU
CUUGGAGAAGAUGAAGGCUUCGGGC
>random_seq_from_cds__NO_13129    RANDOM_LENGTH 85  SEQ_LENGTH    59
    GC_CONTENT    0.525423728813559    BASEPAIR  24  FREE_ENERGY
    -17.90 LEN_BP_RATIO  2.45833333333333
AAAUUGCAAAAAUUUACCAGCAGAACCCCGAGGCCUACUCACAUACGGAGGAGAAUUUCUUUGGU
CAGUAGCUUUGCUGCUUCCC
>random_seq_from_cds__NO_13131    RANDOM_LENGTH 78  SEQ_LENGTH    58
    GC_CONTENT    0.586206896551724    BASEPAIR  21  FREE_ENERGY
    -21.11 LEN_BP_RATIO  2.76190476190476
CUGGUCCCAGGCUUGCCUUGGUGCCUGUGCACCUCAUUUAGAGGAGAAGCUUAGCCCACCAGUAC
CAUCAUGCUCAGU
>random_seq_from_cds__NO_13133    RANDOM_LENGTH 88  SEQ_LENGTH    78
    GC_CONTENT    0.615384615384615    BASEPAIR  26  FREE_ENERGY
    -29.60 LEN_BP_RATIO  3
CUGGCAGGCAUGAGACUGGAGGAAGGUGACAUUGCGGGUCAGCCUGGGCACCAGUGACACCCUGU
UUCUCUGGCUCCAAGAGCCCAUG
>random_seq_from_cds__NO_13134    RANDOM_LENGTH 82  SEQ_LENGTH    71
    GC_CONTENT    0.549295774647887    BASEPAIR  19  FREE_ENERGY
    -22.14 LEN_BP_RATIO  3.73684210526316
CCUGCCCUGGAAGGCCACAUCUUCUGCAACCCGGUUGACUCCCAGCACUACAUGGCACUCCUGUG
GCUUUAAAAAUGGCUCC
>random_seq_from_cds__NO_13142    RANDOM_LENGTH 84  SEQ_LENGTH    60
    GC_CONTENT    0.766666666666667    BASEPAIR  24  FREE_ENERGY
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    -32.30 LEN_BP_RATIO  2.5
GAAUCUUGUCUCAGACCCGGGGGCCUCCGGAGUGACAUGACGGCGCCCUGGGUGGCCCUCGCCCU
CCUCUGGGGAUCGCUGUGC
>random_seq_from_cds__NO_13149    RANDOM_LENGTH 84  SEQ_LENGTH    67
    GC_CONTENT    0.686567164179104    BASEPAIR  23  FREE_ENERGY
    -33.10 LEN_BP_RATIO  2.91304347826087
GGUGGGCCUGAAGCCACUGCAGCUGCUGGAGAUCAAGGCUCGGGGGCGCUUUGGCUGUGUCUGGA
AGGCCCAGCUCAUGAAUGA
>random_seq_from_cds__NO_13160    RANDOM_LENGTH 90  SEQ_LENGTH    71
    GC_CONTENT    0.549295774647887    BASEPAIR  24  FREE_ENERGY
    -27.70 LEN_BP_RATIO  2.95833333333333
CAUCUAAGUUAUUCUGUGGUAGAGAUCUGGGCCUGGCUGUCCAGCCCCUCAGCCUCCGUCCCAGU
AUCUAGGCCCUCUGUGCUUGCUGGU
>random_seq_from_cds__NO_13173    RANDOM_LENGTH 81  SEQ_LENGTH    71
    GC_CONTENT    0.535211267605634    BASEPAIR  23  FREE_ENERGY
    -18.20 LEN_BP_RATIO  3.08695652173913
UUCUCCACAUUGGCUUUCAGUAGUGCCUUCAGGGUGUCAUUCUCCUUGUUCCAGCCUCGAGUGCC
CAAUGGUGAUGAUGAA
>random_seq_from_cds__NO_13175    RANDOM_LENGTH 77  SEQ_LENGTH    58
    GC_CONTENT    0.637931034482759    BASEPAIR  20  FREE_ENERGY
    -24.10 LEN_BP_RATIO  2.9
GGCUGCUCAGCGCUGACGCCCAGGCCCAUCUCACACCGGCACAGGCUCCAUUAGAGAUGCUGGGA
CAGUGUCCUCAA
>random_seq_from_cds__NO_13181    RANDOM_LENGTH 87  SEQ_LENGTH    52
    GC_CONTENT    0.557692307692308    BASEPAIR  19  FREE_ENERGY
    -20.90 LEN_BP_RATIO  2.73684210526316
CACCAGGGUCACUAGUACCAAAGAUGUCAGCUGGAUGGAAGCAGCUGAGGUUGUCCAGGUUCCCC
ACGCUCCCUUCCUCCUCUUCCU
>random_seq_from_cds__NO_13194    RANDOM_LENGTH 87  SEQ_LENGTH    73
    GC_CONTENT    0.657534246575342    BASEPAIR  28  FREE_ENERGY
    -33.20 LEN_BP_RATIO  2.60714285714286
GACAGGGCGGGUGAAACUUCUGGGGCCGCAGAAGUCACGGUCAGGCAGGGGCAUCUGAUCCCAGG
GGCCUUCCUCCUCUGAGUCCCA
>random_seq_from_cds__NO_13206    RANDOM_LENGTH 90  SEQ_LENGTH    82
    GC_CONTENT    0.536585365853659    BASEPAIR  24  FREE_ENERGY
    -30.20 LEN_BP_RATIO  3.41666666666667
CACGGAAGACUGGUCUGCAGCUCCCACUGCUCAGGCCACUGAAUGGGUAGGAGCAACCACUGACU
GGUCUUAAGAUGUUCACUGUGCUGA
>random_seq_from_cds__NO_13209    RANDOM_LENGTH 82  SEQ_LENGTH    71
    GC_CONTENT    0.464788732394366    BASEPAIR  22  FREE_ENERGY
    -20.70 LEN_BP_RATIO  3.22727272727273
UGGUAUUGUGCUGGAUGCCGGGUCUUCAAGAACCACAGUCUACGUGUAUCAAUGGCCAGCAGAAA
AAGAGAAUAAUACCGGA
>random_seq_from_cds__NO_13214    RANDOM_LENGTH 71  SEQ_LENGTH    61
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   GC_CONTENT    0.639344262295082    BASEPAIR  20  FREE_ENERGY
   -30.80 LEN_BP_RATIO  3.05
UCCUGGAGGAAGAACCUGUGGCACAUGUGGGUGCACCCGCAUGGAGUGGAAACCACGGGUGCCCU
GGACUU
>random_seq_from_cds__NO_13220    RANDOM_LENGTH 92  SEQ_LENGTH    78
   GC_CONTENT    0.448717948717949    BASEPAIR  25  FREE_ENERGY
   -19.00 LEN_BP_RATIO  3.12
CAAAGAUUAAAGGGCCAUUUGUGGGCUUUUGCAGGAUUCUACUACACAGCCAGUGCUUUAAAUCU
UUCAGGUAGCUUUUCCCUGGACACCUU
>random_seq_from_cds__NO_13237    RANDOM_LENGTH 85  SEQ_LENGTH    81
   GC_CONTENT    0.827160493827161    BASEPAIR  32  FREE_ENERGY
   -48.10 LEN_BP_RATIO  2.53125
CCGCCCGCUGGCUAUGCGUGCUGGCAGGCGCCCUCGCCUGGGCCCUUGGGCCGGCGGGGCGGCCA
GGCGGCCAGGCUGCAGGAGG
>random_seq_from_cds__NO_13244    RANDOM_LENGTH 89  SEQ_LENGTH    69
   GC_CONTENT    0.608695652173913    BASEPAIR  25  FREE_ENERGY
   -25.26 LEN_BP_RATIO  2.76
AGUGCUCCGAGGGCUCGGGUGGGCUGUAAGGCAGCCAUGGUCUUUUCCAAUAUUGUGUCAUGGC
UAACUUCUUCUGGCUGCUGGUGGA
>random_seq_from_cds__NO_13245    RANDOM_LENGTH 86  SEQ_LENGTH    72
   GC_CONTENT    0.597222222222222    BASEPAIR  27  FREE_ENERGY
   -26.80 LEN_BP_RATIO  2.66666666666667
GGGCCUCUACCUGUACACCCUGCUUGCCGUCUCCUUCUUCUCUGAGCGGAAGUACUUCUGGGGGU
ACAUACUCAUCGGCUGGGGGG
>random_seq_from_cds__NO_13258    RANDOM_LENGTH 94  SEQ_LENGTH    68
   GC_CONTENT    0.573529411764706    BASEPAIR  21  FREE_ENERGY
   -17.10 LEN_BP_RATIO  3.23809523809524
AUUUGCCCGCAUCCUCCUACUGACCUAGUGGCAUUCAACCUCCAGGAUCCUCAGCAUGGAUUCUC
CUGCCCCUGAAGCUUCUGCCCUUUCCCAG
>random_seq_from_cds__NO_13260    RANDOM_LENGTH 81  SEQ_LENGTH    61
   GC_CONTENT    0.557377049180328    BASEPAIR  21  FREE_ENERGY
   -25.40 LEN_BP_RATIO  2.9047619047619
GGAGGUGUCAGUAUGCUUCACUUCAGAGGAAUGGGCAUGUCUGGGCCCAAUCCAGAGGGCCUUGU
ACUGGGAUGUGAUGCU
>random_seq_from_cds__NO_13261    RANDOM_LENGTH 86  SEQ_LENGTH    79
   GC_CONTENT    0.468354430379747    BASEPAIR  28  FREE_ENERGY
   -35.00 LEN_BP_RATIO  2.82142857142857
GGAGAAUUAUGGAAAUGUGACCUCCCUAGGAAUGGGAGACCAUGACCGAGAAUGAGGAGGUGACA
UCAAAGCCAAGUAGUUCUCAA
>random_seq_from_cds__NO_13286    RANDOM_LENGTH 86  SEQ_LENGTH    57
   GC_CONTENT    0.298245614035088    BASEPAIR  23  FREE_ENERGY
   -15.80 LEN_BP_RATIO  2.47826086956522
AACCCUAUGGGUGUAAUGAUUGUAGUAAAGUUUUUAGGCAAAGAAAAAACCUUACUGUACAUCAG
AAAAUCCACACAGAUGAAAAA
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>random_seq_from_cds__NO_13294    RANDOM_LENGTH 110 SEQ_LENGTH    95
    GC_CONTENT    0.663157894736842    BASEPAIR  37  FREE_ENERGY
    -48.00 LEN_BP_RATIO  2.56756756756757
ACCUCCUUAGGGCGCUCAGGCUCAGGGGGAGGUGCGGGAGCUGGAGCUGCCUUGGGGGCUGCCUU
GGCAUCAUCCUUCUUGGGCUCUGGCUUUUUGGGGGCCAUGCUAAG
>random_seq_from_cds__NO_13298    RANDOM_LENGTH 72  SEQ_LENGTH    67
    GC_CONTENT    0.626865671641791    BASEPAIR  23  FREE_ENERGY
    -22.20 LEN_BP_RATIO  2.91304347826087
UGGUAUCUGACCCUGGCUGGGGUGGAUGAGGUGGUGGCAUCUGGUGGUGCAUCAGAGGGUAGGGA
GGGGGCU
>random_seq_from_cds__NO_13315    RANDOM_LENGTH 81  SEQ_LENGTH    59
    GC_CONTENT    0.440677966101695    BASEPAIR  22  FREE_ENERGY
    -16.50 LEN_BP_RATIO  2.68181818181818
AUACUCUUGGGGGUUUAGACGAUACGUGUCAAUCAUAAAAUUUCGAUAUGCCAAGUAUCAUUUCU
GGAGUCUUGGAUUUGU
>random_seq_from_cds__NO_13339    RANDOM_LENGTH 72  SEQ_LENGTH    64
    GC_CONTENT    0.6875 BASEPAIR  19  FREE_ENERGY   -24.25
    LEN_BP_RATIO  3.36842105263158
CAGGGACCCCAGGAGCCCCCACCACUCUCUCUCCGGGGGGACCUCGCUCACCCCUUCUGGCCCUG
AAGUCCU
>random_seq_from_cds__NO_13345    RANDOM_LENGTH 84  SEQ_LENGTH    77
    GC_CONTENT    0.662337662337662    BASEPAIR  24  FREE_ENERGY
    -36.52 LEN_BP_RATIO  3.20833333333333
UCGGAUACCAGGCACUCCAUCCUUUCCUGGGGAUCCCCGGGUCACCAGGGAUCCCUGCUGCACCA
GGUUGACCCCUGGGGUCCC
>random_seq_from_cds__NO_13349    RANDOM_LENGTH 70  SEQ_LENGTH    57
    GC_CONTENT    0.824561403508772    BASEPAIR  22  FREE_ENERGY
    -39.00 LEN_BP_RATIO  2.59090909090909
CGCUCUCCCCUGCUGCCAGGGGGCCCCCGUGAGUCCUCGGGGUCCCUCCUGGCCGGGGCGGCCAU
CUUCA
>random_seq_from_cds__NO_13360    RANDOM_LENGTH 90  SEQ_LENGTH    80
    GC_CONTENT    0.7125 BASEPAIR  29  FREE_ENERGY   -43.30
    LEN_BP_RATIO  2.75862068965517
AGACCCCGGGGCACCAGGUGGUCCAGGGUCUCCAUGACCACCCCACUGGGCCAGGGGGGCCUCUU
GGACCCUGCAGACCCCGGCUUCCCU
>random_seq_from_cds__NO_13373    RANDOM_LENGTH 75  SEQ_LENGTH    68
    GC_CONTENT    0.705882352941177    BASEPAIR  23  FREE_ENERGY
    -32.01 LEN_BP_RATIO  2.95652173913043
GGUUUGCCAUCCUCGCCUGGCUUUCCCCGGUAAUCCAGGGGGACCAGAGGGGCCAGGGAGGCCCU
GUUCUCCACG
>random_seq_from_cds__NO_13375    RANDOM_LENGTH 75  SEQ_LENGTH    61
    GC_CONTENT    0.704918032786885    BASEPAIR  20  FREE_ENERGY
    -31.00 LEN_BP_RATIO  3.05
CAGUCCGCUCCGGCCAUCCAGCCCAGGGGGACCCCGGUCACCCCUUUUCUCCUGCUGGGCCUCGG
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ACACCUGGGU
>random_seq_from_cds__NO_13384    RANDOM_LENGTH 68  SEQ_LENGTH    48
    GC_CONTENT    0.75   BASEPAIR  19  FREE_ENERGY   -27.13
    LEN_BP_RATIO  2.52631578947368
UGGGCCUGGGGGUCCACGUUCGCCCCUUCUCUCCAGCCUCACCCAGGGGCCCUGGAAAGCCCCGG
UCA
>random_seq_from_cds__NO_13386    RANDOM_LENGTH 73  SEQ_LENGTH    61
    GC_CONTENT    0.704918032786885   BASEPAIR  23  FREE_ENERGY
    -29.20 LEN_BP_RATIO  2.65217391304348
CCCUUUUUCUCCUUUCUUUCCAGGGGGGCCAACGGGGCCUUGGGGUCCAGGGCUUCCGGGAAGAC
CCCGGCAG
>random_seq_from_cds__NO_13392    RANDOM_LENGTH 84  SEQ_LENGTH    75
    GC_CONTENT    0.693333333333333   BASEPAIR  25  FREE_ENERGY
    -30.20 LEN_BP_RATIO  3
CCGGGAGGCCAGGGUCGCCAGGAGGCCCAACUUGUCCUCUCAGGCCCCAUCUCUCCAGGUUCCCC
CUUCUGGCCCCUUUGGACA
>random_seq_from_cds__NO_13393    RANDOM_LENGTH 78  SEQ_LENGTH    66
    GC_CONTENT    0.666666666666667   BASEPAIR  26  FREE_ENERGY
    -35.60 LEN_BP_RATIO  2.53846153846154
AUACACUGGGCAGGGCUCUGGCCGGGGCCUGAGUAGUGAAGGAUGCCUGACACAGGGCUGUGGCC
AGACCACUGACUG
>random_seq_from_cds__NO_13415    RANDOM_LENGTH 71  SEQ_LENGTH    57
    GC_CONTENT    0.701754385964912   BASEPAIR  22  FREE_ENERGY
    -27.70 LEN_BP_RATIO  2.59090909090909
GAGUUUCCGGCUCCCCGGCGGACAGUGAGGACACUGGCACUGCCCUCACGGGGACCCACUCGAGC
AGACAC
>random_seq_from_cds__NO_13417    RANDOM_LENGTH 77  SEQ_LENGTH    68
    GC_CONTENT    0.705882352941177   BASEPAIR  26  FREE_ENERGY
    -31.00 LEN_BP_RATIO  2.61538461538462
AGGGUCCGCUCAACCCCCCUGGGUGCUGCGCACAAUGAUGCGGUACUGGGUGGCACCAGGGACUG
GGCUCCAGGACA
>random_seq_from_cds__NO_13428    RANDOM_LENGTH 85  SEQ_LENGTH    72
    GC_CONTENT    0.652777777777778   BASEPAIR  21  FREE_ENERGY
    -28.47 LEN_BP_RATIO  3.42857142857143
GCUUGGCUCAGACAGCACCAGGUCUCGUGGAGCAGAGGUCGAGUCAUCCGCGAGGUCGGGUCACA
GGCACGCCACCAGCAGUCGU
>random_seq_from_cds__NO_13433    RANDOM_LENGTH 84  SEQ_LENGTH    54
    GC_CONTENT    0.611111111111111   BASEPAIR  19  FREE_ENERGY
    -22.40 LEN_BP_RATIO  2.84210526315789
AUCACAUCACCCCCAGAGCCAAGUGCAUCCAGGCCGAACUCUGUCCCGUGGGUCAUCGCUGUACU
GCACUGUGGCAAAGCGCAC
>random_seq_from_cds__NO_13439    RANDOM_LENGTH 68  SEQ_LENGTH    56
    GC_CONTENT    0.678571428571429   BASEPAIR  19  FREE_ENERGY
    -25.50 LEN_BP_RATIO  2.94736842105263
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ACUGUUCUGUGGAGGGGCCAUGGCUGGGGCCACUGACCGAGUCCUCCCUAGCUCUGAGCAGCUGC
GGG
>random_seq_from_cds__NO_13455    RANDOM_LENGTH 73  SEQ_LENGTH    65
    GC_CONTENT    0.676923076923077    BASEPAIR  23  FREE_ENERGY
    -24.50 LEN_BP_RATIO  2.82608695652174
GAGAGCCGUGUUGUUGUAGGCCCCAGGUCCCCAGCCCAGGUGCUGGCCUUGCCUCCUCAGGCGCU
GCCUUCCU
>random_seq_from_cds__NO_13474    RANDOM_LENGTH 84  SEQ_LENGTH    61
    GC_CONTENT    0.672131147540984    BASEPAIR  22  FREE_ENERGY
    -29.60 LEN_BP_RATIO  2.77272727272727
GAUUCCUCAUUGAAGUGGGCAUCCUGUGUGGCUGUCAGCCCGAAGCCCUGCUGAUGGCUCUCGAA
GGCCAGCAGGUGGGCCAGC
>random_seq_from_cds__NO_13477    RANDOM_LENGTH 95  SEQ_LENGTH    90
    GC_CONTENT    0.666666666666667    BASEPAIR  25  FREE_ENERGY
    -31.10 LEN_BP_RATIO  3.6
CCAGCCAACCCUGGGCCUCAUCACACAGCCGCACAGCAGCACCCCAGGGCCCCCGGGGACAGGG
CACUGUGGCCAGGACGCCAAACUUUGUCUG
>random_seq_from_cds__NO_13479    RANDOM_LENGTH 75  SEQ_LENGTH    67
    GC_CONTENT    0.701492537313433    BASEPAIR  23  FREE_ENERGY
    -29.50 LEN_BP_RATIO  2.91304347826087
CCUCUGCGAAGGGACUGUCACAGCUGUUGCACUGGCGGCCAAGGGCUCCUGGGCGACAGGGGCAC
UGCCCGCUGU
>random_seq_from_cds__NO_13500    RANDOM_LENGTH 99  SEQ_LENGTH    88
    GC_CONTENT    0.75   BASEPAIR  33  FREE_ENERGY   -39.70
    LEN_BP_RATIO  2.66666666666667
CGAAAGCCGCCGUUGGGCGCGUCGGUGCAGGUGCCCCGUUGCGGCAGACGCCCGGCACGCAGCG
GCCGGCCUCGGUGUCCAGCUCGCAGUCCUCUCCC
>random_seq_from_cds__NO_13505    RANDOM_LENGTH 94  SEQ_LENGTH    84
    GC_CONTENT    0.678571428571429    BASEPAIR  30  FREE_ENERGY
    -28.70 LEN_BP_RATIO  2.8
CCCUGCAGCGCCCGCCCCGGCCCCACGUGGAGCUAGCGCCGAGAAACUCACAUUGAGCACGGUGC
CCCCUACGUCUGUGUCGUUCUGGAUGUUG
>random_seq_from_cds__NO_13508    RANDOM_LENGTH 68  SEQ_LENGTH    51
    GC_CONTENT    0.666666666666667    BASEPAIR  22  FREE_ENERGY
    -28.50 LEN_BP_RATIO  2.31818181818182
UGCGCCGUCACGCUGUGCAGGCCAUCCUGUGACAGUCACCAACAUGGAGGCCACCAGUGGGCGGU
UAU
>random_seq_from_cds__NO_13513    RANDOM_LENGTH 109 SEQ_LENGTH    78
    GC_CONTENT    0.538461538461538    BASEPAIR  24  FREE_ENERGY
    -29.35 LEN_BP_RATIO  3.25
GUUCCCCUCCACGAUCUGGUACAUUAUAUGGGCAUUGGGGCCUUCGUCAGGGUCCACUGCAGUGA
UCUGGGCCACCACUGAGCCCACAAUGCUAUUCUCUUUCACCCGC
>random_seq_from_cds__NO_13523    RANDOM_LENGTH 72  SEQ_LENGTH    56
    GC_CONTENT    0.589285714285714    BASEPAIR  20  FREE_ENERGY
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    -23.70 LEN_BP_RATIO  2.8
CCCCCCUGGGUGCUGAUGGCAAAGCGAUUCCGGGUGUUGCCGCCUGUGAUCUGGUAGCUGAUGGC
ACUGUUG
>random_seq_from_cds__NO_13533    RANDOM_LENGTH 72  SEQ_LENGTH    54
    GC_CONTENT    0.759259259259259    BASEPAIR  20  FREE_ENERGY
    -28.00 LEN_BP_RATIO  2.7
CGCACAGUGGCCGAGCGCGGCCCGGGUUCCUGGCCCUGGUCGCUGGCUUCCACCACCAGCUCAUA
GCUUUCC
>random_seq_from_cds__NO_13540    RANDOM_LENGTH 78  SEQ_LENGTH    62
    GC_CONTENT    0.596774193548387    BASEPAIR  24  FREE_ENERGY
    -29.20 LEN_BP_RATIO  2.58333333333333
CAACCACGCGUAGCACCGCGGUGCCUGCUGCCUCAUUCUCCGGCACCAGCGUCUGGUAGUUGUAC
UGCGGAAACUGCG
>random_seq_from_cds__NO_13545    RANDOM_LENGTH 86  SEQ_LENGTH    70
    GC_CONTENT    0.714285714285714    BASEPAIR  25  FREE_ENERGY
    -37.90 LEN_BP_RATIO  2.8
GCGGUGCCCACUCUUUUGCGGGAGCCUGUCCCAGCGUUCCGCUGGGAGGACACCGGCUUGGGACC
GUGGUGCCGAAUCAAAAAGUC
>random_seq_from_cds__NO_13550    RANDOM_LENGTH 70  SEQ_LENGTH    58
    GC_CONTENT    0.672413793103448    BASEPAIR  21  FREE_ENERGY
    -21.00 LEN_BP_RATIO  2.76190476190476
CAAAGAGCUAAGGCUCCGCCACCGAUAUGCGCCCUUGGCCCCGUAGUGGCAGCUAAGCCUGGGUC
CCAGC
>random_seq_from_cds__NO_13551    RANDOM_LENGTH 84  SEQ_LENGTH    74
    GC_CONTENT    0.675675675675676    BASEPAIR  25  FREE_ENERGY
    -32.10 LEN_BP_RATIO  2.96
CCUGGUGCCCACCGCCCCCCAGCUCCUCCUGGCUGAGGGGGAACAAAGAGAGGAGAAGGAGCAGG
AGUAUGGGGGUCGACCGUC
>random_seq_from_cds__NO_13567    RANDOM_LENGTH 75  SEQ_LENGTH    69
    GC_CONTENT    0.652173913043478    BASEPAIR  23  FREE_ENERGY
    -25.40 LEN_BP_RATIO  3
GGCAUCGGGCCCUGGCGGGGUAGUAGCUUGCCUAGAGAUCUCAGCCGCACCCUCUGGCAAGGCCA
UCUUUGUCAA
>random_seq_from_cds__NO_13574    RANDOM_LENGTH 71  SEQ_LENGTH    54
    GC_CONTENT    0.62962962962963 BASEPAIR  23  FREE_ENERGY
    -27.30 LEN_BP_RATIO  2.34782608695652
UGGGGAUGUCAUGCUGUACAGGGCUCUGGGUGGCUGCACCCGGCCACACGUGAUUCUCCGGGAGG
GUCUGC
>random_seq_from_cds__NO_13577    RANDOM_LENGTH 71  SEQ_LENGTH    50
    GC_CONTENT    0.6 BASEPAIR  20  FREE_ENERGY   -27.90 LEN_BP_RATIO
    2.5
CACAGGCUCAGCCCACGCACUCACAGCUGUUUGUAACCAUAUCUCCUCGGUACGUGCUGUGGCUG
UGUGGG
>random_seq_from_cds__NO_13583    RANDOM_LENGTH 110 SEQ_LENGTH    87
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    GC_CONTENT    0.620689655172414   BASEPAIR  29  FREE_ENERGY
    -33.00 LEN_BP_RATIO  3
CAGCCUGGCUUUCUGGGAUCUCACCACCAUGCUAGACCAUGACUCCACUGUCCUGGAGCCUCCAG
UGGAUCCUGGGCUUCCCUACCGGGCUUGGCACCCCCUCCCUGACU
>random_seq_from_cds__NO_13589    RANDOM_LENGTH 72  SEQ_LENGTH    50
    GC_CONTENT    0.6 BASEPAIR  21  FREE_ENERGY   -24.10 LEN_BP_RATIO
    2.38095238095238
CCUGUGAGCCCUGAGUUUGGCCACCGUUGUGCCCUUGGGGGUCAGGGGCUUGAGGUUUACAACUG
GUAUGAC
>random_seq_from_cds__NO_13597    RANDOM_LENGTH 83  SEQ_LENGTH    64
    GC_CONTENT    0.5625 BASEPAIR  24  FREE_ENERGY   -23.70
    LEN_BP_RATIO  2.66666666666667
AGCAGGAAAGUUGGUGAUGAUGACCCGUAGUGACUCCAGCACAGCCAUGGCUCGUGGGGCUGUGU
CAUUCAGCACAUCACGCA
>random_seq_from_cds__NO_13608    RANDOM_LENGTH 69  SEQ_LENGTH    62
    GC_CONTENT    0.516129032258065   BASEPAIR  22  FREE_ENERGY
    -23.50 LEN_BP_RATIO  2.81818181818182
AGGUGCUGCUUUAGUAGAUUCAUGGUGUGUGGAGUGACCACAUAGCCUGGGGUCUUGUAGUUCUC
ACCC
>random_seq_from_cds__NO_13614    RANDOM_LENGTH 98  SEQ_LENGTH    86
    GC_CONTENT    0.593023255813954   BASEPAIR  32  FREE_ENERGY
    -33.40 LEN_BP_RATIO  2.6875
GCCGCUUAGCUGGGGCUCAGUGUGGAUCUUCUUACUGGCUAUGUAGCUUACAAGGAAGGAGAGAC
GCCGGGUAUCCCUGAGUCGGGAGGCCAAGCCAU
>random_seq_from_cds__NO_13616    RANDOM_LENGTH 80  SEQ_LENGTH    73
    GC_CONTENT    0.657534246575342   BASEPAIR  27  FREE_ENERGY
    -34.00 LEN_BP_RATIO  2.7037037037037
GCUGCGCGCUCAGAGCCGAGUUCUUGAGCGUCUCGCGGGCCUUCUGCUCGCUCAGGCCGAGGCUA
GUGAAGAGCGACAGG
>random_seq_from_cds__NO_13620    RANDOM_LENGTH 71  SEQ_LENGTH    59
    GC_CONTENT    0.661016949152542   BASEPAIR  19  FREE_ENERGY
    -21.72 LEN_BP_RATIO  3.10526315789474
CUGGGCACGACCCUGGGCACUGCCUGCCGUUUCUUCUGCUGUAGAGGCUGCCAGACUAUUUCCUG
CCCGUU
>random_seq_from_cds__NO_13622    RANDOM_LENGTH 85  SEQ_LENGTH    71
    GC_CONTENT    0.661971830985916   BASEPAIR  28  FREE_ENERGY
    -34.50 LEN_BP_RATIO  2.53571428571429
GUACCCUGGUACAGGGUCUGCUCUGUGUCCCGUGUGUCAGCCACUGCCCCCCGGAUGGCACCCUG
GGCAAUACCCUGUGCCCGCU
>random_seq_from_cds__NO_13627    RANDOM_LENGTH 82  SEQ_LENGTH    62
    GC_CONTENT    0.67741935483871 BASEPAIR  20  FREE_ENERGY
    -22.00 LEN_BP_RATIO  3.1
GCUGCCUGGGCCCGCUGCUGUGCCUCGCUUGCCUGCCGACGAGUCUCAGCCACUCUGCUGAGGAU
GCUACCACCUUCUGCCA
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>random_seq_from_cds__NO_13629    RANDOM_LENGTH 95  SEQ_LENGTH    88
    GC_CONTENT    0.636363636363636    BASEPAIR  27  FREE_ENERGY
    -27.91 LEN_BP_RATIO  3.25925925925926
UCUCGACAGCCGGCACCCCCACAAGGGCUUGUAGCACAGGGUGCAUCCCCUGGUGCCCCACACAC
CCAGCUCAUUUAUGUCUGUCAGGCUCAGGG
>random_seq_from_cds__NO_13634    RANDOM_LENGTH 110 SEQ_LENGTH
    103 GC_CONTENT    0.650485436893204    BASEPAIR  35  FREE_ENERGY
    -53.83 LEN_BP_RATIO  2.94285714285714
UGCUCAGUGGCCUCCCCAAUUUCACGCCCGCAGCUCCUCUGUGGCCUCCACAAGCUGUGCAGUGG
AGGCGGCUGAGGUGUUGCGGGCACCUACGAUGCCCUGCACAAUGC
>random_seq_from_cds__NO_13640    RANDOM_LENGTH 75  SEQ_LENGTH    67
    GC_CONTENT    0.656716417910448    BASEPAIR  23  FREE_ENERGY
    -29.20 LEN_BP_RATIO  2.91304347826087
GCCACUGGUGAGGUUCCAGAAGUUGGGGGCACAGCGGUCACAGCUAGGGCCCUGGACAUUGGGGA
GGCAUGGGCA
>random_seq_from_cds__NO_13642    RANDOM_LENGTH 88  SEQ_LENGTH    77
    GC_CONTENT    0.649350649350649    BASEPAIR  26  FREE_ENERGY
    -36.20 LEN_BP_RATIO  2.96153846153846
UCGGGCAGCCUGCCCAUGGAAGCCAGGCUUGCAGUGGGCACAGUGUGGACCCUCUGUGUGGUGUA
AACAGCGCAGGCAUUGCCCCGUG
>random_seq_from_cds__NO_13649    RANDOM_LENGTH 110 SEQ_LENGTH    97
    GC_CONTENT    0.639175257731959    BASEPAIR  33  FREE_ENERGY
    -38.61 LEN_BP_RATIO  2.93939393939394
CACUGGCAGGCCUUGACAGCCUGUGGGGCCAAAGCCAUAGUAGCCAGGGGCACAGAGGUCACAGC
GGCGCCCAACCACUCCAGGCUUGCACAGGCACUGACCACCAUGAG
>random_seq_from_cds__NO_13655    RANDOM_LENGTH 84  SEQ_LENGTH    64
    GC_CONTENT    0.609375  BASEPAIR  21  FREE_ENERGY   -23.70
    LEN_BP_RATIO  3.04761904761905
UCAGUUCCAACUCUGCCCAUUGCUCAGGGACCCUGGGGCUCUAAGCGCAGCAGCAGGUCAUAGUC
CAUAGCCUUCGGCACAGAG
>random_seq_from_cds__NO_13656    RANDOM_LENGTH 67  SEQ_LENGTH    60
    GC_CONTENT    0.616666666666667    BASEPAIR  21  FREE_ENERGY
    -18.10 LEN_BP_RATIO  2.85714285714286
GCCACCAGGAACUCCAGGGUCUGACCUUCCUGUAGCCGCACGAAGCCUGAGCCAGUCCAGGAUGG
AG
>random_seq_from_cds__NO_13667    RANDOM_LENGTH 80  SEQ_LENGTH    67
    GC_CONTENT    0.686567164179104    BASEPAIR  25  FREE_ENERGY
    -37.70 LEN_BP_RATIO  2.68
GAUGCAAGCUCCGUGCACCCAUGCCCUCAGCAUGGGCUGGUGCCCCUGGGGCGGGUGCACACUCU
GAGGCGUGUCCGUAG
>random_seq_from_cds__NO_13670    RANDOM_LENGTH 84  SEQ_LENGTH    69
    GC_CONTENT    0.594202898550725    BASEPAIR  25  FREE_ENERGY
    -25.40 LEN_BP_RATIO  2.76
GAGCUGUAGGGGUCUGGGAUAGGGAUGGCAGGGUCCAGCACACGAUAGAUGACCCUCGCCUUCAG
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UGGAUGGCUCAAUCUCUGA
>random_seq_from_cds__NO_13674   RANDOM_LENGTH 75  SEQ_LENGTH   68
   GC_CONTENT   0.588235294117647   BASEPAIR  26  FREE_ENERGY
   -22.00 LEN_BP_RATIO  2.61538461538462
CCAUUCUCUGACUGCCACCAGGCUGCCCGCCGCUGUGGUGCAAAGCUGGUGACUACAUUCUGGAU
GCGAUGGCUG
>random_seq_from_cds__NO_13682   RANDOM_LENGTH 75  SEQ_LENGTH   60
   GC_CONTENT   0.666666666666667   BASEPAIR  23  FREE_ENERGY
   -28.90 LEN_BP_RATIO  2.60869565217391
CAGCGGCAGGGAAGGAGGCUUUGCCAUCUUGGCUGCACUGGGACUCACAGAGCCACACCCUGGAG
GGCCUCCCCC
>random_seq_from_cds__NO_13687   RANDOM_LENGTH 110 SEQ_LENGTH   87
   GC_CONTENT   0.597701149425287   BASEPAIR  31  FREE_ENERGY
   -32.70 LEN_BP_RATIO  2.80645161290323
GGAAAUGCAAAAAAGGUGGUGGAGAAUGGGGCCCUUCUCUCCUGGAAGCUGGGCUGCUCCCUGAA
CCAGAACAGUGUGCCUGACAUUCAUGGUGUAGAGGCCCCUGCCAG
>random_seq_from_cds__NO_13688   RANDOM_LENGTH 70  SEQ_LENGTH   63
   GC_CONTENT   0.619047619047619   BASEPAIR  20  FREE_ENERGY
   -23.80 LEN_BP_RATIO  3.15
GGAGGGCGCAAUGUCUGCUCAGCUUGGCUACCCUGUGGUGGGUUGGCACAUCGCCAAUAAGAAGC
CCCCU
>random_seq_from_cds__NO_13692   RANDOM_LENGTH 89  SEQ_LENGTH   63
   GC_CONTENT   0.587301587301587   BASEPAIR  20  FREE_ENERGY
   -23.10 LEN_BP_RATIO  3.15
GAAGCUGGCACCACAGUUCCUGGCCAGAUUCGCCCAACGAUGACCAUUCCUGGCUAUGUGGAGCC
UACUGCAGUUGCUACCCCUCCCAC
>random_seq_from_cds__NO_13695   RANDOM_LENGTH 88  SEQ_LENGTH   70
   GC_CONTENT   0.614285714285714   BASEPAIR  23  FREE_ENERGY
   -21.74 LEN_BP_RATIO  3.04347826086957
AUCACCAGAUUGGAAACUGCCUCACCGCCUACUCGUAUUCGCACCACCACCAGUGGAGUGCCCCG
UGGCGGAGAACCCAACCAGCGCC
>random_seq_from_cds__NO_13700   RANDOM_LENGTH 85  SEQ_LENGTH   72
   GC_CONTENT   0.583333333333333   BASEPAIR  24  FREE_ENERGY
   -25.80 LEN_BP_RATIO  3
CUGGCCUUCGCCUUUGGAGACCGAAACUGUAGCACCAUCACCCUGCAGAAUAUCACCCGGGGCUC
CAUCGUGGUGGAAUGGACCA
>random_seq_from_cds__NO_13702   RANDOM_LENGTH 86  SEQ_LENGTH   76
   GC_CONTENT   0.618421052631579   BASEPAIR  25  FREE_ENERGY
   -27.40 LEN_BP_RATIO  3.04
UCGGCCUGCCUUCUCCAACGCCCUAGAGCCUGACUUUAAGGCCACAAGCAUCACUGUGACGGGCU
CUGGCAGUUGUCGGCACCUAC
>random_seq_from_cds__NO_13703   RANDOM_LENGTH 72  SEQ_LENGTH   58
   GC_CONTENT   0.672413793103448   BASEPAIR  20  FREE_ENERGY
   -27.22 LEN_BP_RATIO  2.9
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AGUUUAUCCCUGUGGUACCACCCAGGAGAGUGCCCUCAGAGGCGCCGCCCACAGAAGUGCCUGAC
AGGGACC
>random_seq_from_cds__NO_13704    RANDOM_LENGTH 81  SEQ_LENGTH    67
    GC_CONTENT    0.582089552238806    BASEPAIR  27  FREE_ENERGY
    -28.70 LEN_BP_RATIO  2.48148148148148
CUGAGAAGAGCAGUGAGGAUGAUGUCUACCUGCACACAGUCAUUCCGGCCGUGGUGGUCGCAGCC
AUCCUGCUCAUUGCUG
>random_seq_from_cds__NO_13706    RANDOM_LENGTH 110 SEQ_LENGTH    88
    GC_CONTENT    0.636363636363636    BASEPAIR  24  FREE_ENERGY
    -24.13 LEN_BP_RATIO  3.66666666666667
AUCUUUGCAGACGAACUGGACGACUCCAAGCCCCCACCCUCCUCCAGCAUGCCACUCAUUCUGCA
GGAGGAGAAGGCUCCCCUACCCCCUCCUGAGUACCCCAACCAGAG
>random_seq_from_cds__NO_13715    RANDOM_LENGTH 89  SEQ_LENGTH    74
    GC_CONTENT    0.567567567567568    BASEPAIR  24  FREE_ENERGY
    -23.00 LEN_BP_RATIO  3.08333333333333
ACACACUUGUUGUAUGUGGCAGAGAAGAAGCGCCCCAAGGCCGAGUCCUUCUUUCAGACCAAAGC
CUUGGACGUCAGUGCCAGCGAUGA
>random_seq_from_cds__NO_13722    RANDOM_LENGTH 82  SEQ_LENGTH    68
    GC_CONTENT    0.544117647058823    BASEPAIR  25  FREE_ENERGY
    -25.00 LEN_BP_RATIO  2.72
GAGAACUUCUCUGGGAUCUACUGCAGCCUUCUGCCUUUGGGAUGCUGGUCAGCUGACAGCCAGAG
AGUGGUCUUUGACUCGG
>random_seq_from_cds__NO_13726    RANDOM_LENGTH 85  SEQ_LENGTH    57
    GC_CONTENT    0.56140350877193 BASEPAIR  19  FREE_ENERGY
    -18.60 LEN_BP_RATIO  3
ACAGCCACCCCCAGAGCAAGAGAAUGUGCAGUAUGGCUGGCCUUGACUUUGAAGCAAUCCUGCUG
CAGCCUGGCAGCCCUCCAGA
>random_seq_from_cds__NO_13730    RANDOM_LENGTH 78  SEQ_LENGTH    64
    GC_CONTENT    0.5625 BASEPAIR  24  FREE_ENERGY   -29.40
    LEN_BP_RATIO  2.66666666666667
CAUGUGGCCCUUAUGGGUGGUUCCCAUGGUGGCUUCAUUUCCUGCCACUUGAUUGGUCAGUACCC
AGAGACCUACAGG
>random_seq_from_cds__NO_13734    RANDOM_LENGTH 84  SEQ_LENGTH    62
    GC_CONTENT    0.548387096774194    BASEPAIR  21  FREE_ENERGY
    -22.40 LEN_BP_RATIO  2.95238095238095
AGACCCGGAAUGUGCCUGUUCGGGCUCCUGCUCUAUCCCAAAAGCACCCACGCAUUAUCAGAGGU
GGAGGUGGAGUCAGACAGC
>random_seq_from_cds__NO_13747    RANDOM_LENGTH 68  SEQ_LENGTH    51
    GC_CONTENT    0.588235294117647    BASEPAIR  20  FREE_ENERGY
    -21.90 LEN_BP_RATIO  2.55
CCACGGUUGGCUAUGAUGCCCAGAGCAUUGAGUGGCAGGUGCACACCAAAGCGGGCCUCACAGUG
UGC
>random_seq_from_cds__NO_13750    RANDOM_LENGTH 81  SEQ_LENGTH    61
    GC_CONTENT    0.59016393442623 BASEPAIR  22  FREE_ENERGY
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    -16.70 LEN_BP_RATIO  2.77272727272727
GGUGAUCCAGCUUCACGAUGCCCCUGAGGAAUCAGAUUCUUAUGCACUCGCCUCAGCUUGGCCCG
CUUCUGCCCGUUCUUG
>random_seq_from_cds__NO_13754    RANDOM_LENGTH 99  SEQ_LENGTH    70
    GC_CONTENT    0.8 BASEPAIR  20  FREE_ENERGY   -23.30 LEN_BP_RATIO
    3.5
CGGCCGGGACUUGGAGGCGGUGCGGCGCGGCGGGUGCGGUUCAGUCGGUCGGCGGCGGCAGCGGA
GGAGGAGGAGGAGGAGGAGGAGGAGGAGGAUGAG
>random_seq_from_cds__NO_13760    RANDOM_LENGTH 99  SEQ_LENGTH    87
    GC_CONTENT    0.459770114942529   BASEPAIR  25  FREE_ENERGY
    -20.74 LEN_BP_RATIO  3.48
AGAGCUGAAGAAGAUUCUGGAUGACUGGGGGGAGACAUGCAAAGGCUGUGCAGAAAAGUCUGACU
ACAUCCGGAAGAUAAAUGAACUGAUGCCUAAAUA
>random_seq_from_cds__NO_13771    RANDOM_LENGTH 94  SEQ_LENGTH    67
    GC_CONTENT    0.671641791044776   BASEPAIR  27  FREE_ENERGY
    -36.40 LEN_BP_RATIO  2.48148148148148
GGGGGCCCUGGAGAGUGUGGUGGCAGGCAGUGAGGGGGCUGCUGAGGGUGCUAUCACCAUCGAGC
UGGCCUCCUACCCCAUCAGUGACUUUGCC
>random_seq_from_cds__NO_13775    RANDOM_LENGTH 89  SEQ_LENGTH    82
    GC_CONTENT    0.597560975609756   BASEPAIR  25  FREE_ENERGY
    -22.50 LEN_BP_RATIO  3.28
AUGCGGCCAGUUAACGGGCGCCGCCUCUACAAGGACUUUGUGCUCAACGUCAAGUUUGAUGGCCC
CCUUUCGCCCAGCUGACACCCACA
>random_seq_from_cds__NO_13776    RANDOM_LENGTH 81  SEQ_LENGTH    66
    GC_CONTENT    0.545454545454545   BASEPAIR  24  FREE_ENERGY
    -27.50 LEN_BP_RATIO  2.75
AUGAGGUCCGCUUUGACCGCUUUGGUGAUGGUAUUGGCCGCUACAACAUCUUCACCUAUCUGCGU
GCAGGCAGUGGGCGCU
>random_seq_from_cds__NO_13784    RANDOM_LENGTH 80  SEQ_LENGTH    73
    GC_CONTENT    0.63013698630137 BASEPAIR  24  FREE_ENERGY
    -28.40 LEN_BP_RATIO  3.04166666666667
CGGCCACGCUUCAUCAGUCCUGCCUCACAGGUGGCCAUCUGCCUGGCACUUAUCUCGGGCCAGCU
GCUCAUCGUGGUCGC
>random_seq_from_cds__NO_13793    RANDOM_LENGTH 99  SEQ_LENGTH    88
    GC_CONTENT    0.568181818181818   BASEPAIR  31  FREE_ENERGY
    -34.60 LEN_BP_RATIO  2.83870967741936
GCCUGGGCUGUCAGAAAGUAGAGGGUGGCACCUGGCUAUGUGGUGACCGUGUUGACCUGGCCAGG
CACCAACCCUACACUCUCCUCCAUCUUGCUCAAC
>random_seq_from_cds__NO_13796    RANDOM_LENGTH 68  SEQ_LENGTH    57
    GC_CONTENT    0.56140350877193 BASEPAIR  20  FREE_ENERGY
    -23.40 LEN_BP_RATIO  2.85
CCAGAACCAUCCACAUGACCUUUGUGCCUGGAUGAGGAGGUUGGGGGUCACCAAGGCAUGGAGCU
GUU
>random_seq_from_cds__NO_13798    RANDOM_LENGTH 81  SEQ_LENGTH    64
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    GC_CONTENT    0.6875 BASEPAIR  24  FREE_ENERGY   -27.20
    LEN_BP_RATIO  2.66666666666667
CUGUCUUUUAUAGUGAGCGGAGUCCCUGGUGGGGUGCGGGUUACCAGCACUGGGAGGCCAGGCCA
UGCCUCACGCUUCAUG
>random_seq_from_cds__NO_13801    RANDOM_LENGTH 86  SEQ_LENGTH    77
    GC_CONTENT    0.584415584415584   BASEPAIR  26  FREE_ENERGY
    -34.00 LEN_BP_RATIO  2.96153846153846
CAGCUUUGACUUCCGUGUGGCACCGGAUGUGGACUUCAAGGGCUUUUGAGGAGCAGCUGCAGAGC
UGGUGCCAGGCAGCUGGCGAG
>random_seq_from_cds__NO_13804    RANDOM_LENGTH 71  SEQ_LENGTH    47
    GC_CONTENT    0.617021276595745   BASEPAIR  20  FREE_ENERGY
    -18.80 LEN_BP_RATIO  2.35
CUCACCCAUGAACCGCACACCUGUGCUGCUGCACGACCACGAUGAACGGCUGCAUGAGGCUGUGU
UCCUCC
>random_seq_from_cds__NO_13807    RANDOM_LENGTH 87  SEQ_LENGTH    69
    GC_CONTENT    0.652173913043478   BASEPAIR  24  FREE_ENERGY
    -30.40 LEN_BP_RATIO  2.875
UUUGGCCGGCACAGCCUGAGCCCCUUGGCAAUACGGGCACGAGCACGCUUCCCAAGCUUGGGGUG
GGCAAUGUAGGCAAGUCGAUCG
>random_seq_from_cds__NO_13811    RANDOM_LENGTH 81  SEQ_LENGTH    71
    GC_CONTENT    0.647887323943662   BASEPAIR  22  FREE_ENERGY
    -27.30 LEN_BP_RATIO  3.22727272727273
AGAAGUUCCGGUUAUAGAAGUGGUGGUUGUCCCUGGUCAGGGCCAUGCCCAGCUGGGCCCAGAAG
CUGCGCUGACCACUGG
>random_seq_from_cds__NO_13814    RANDOM_LENGTH 67  SEQ_LENGTH    53
    GC_CONTENT    0.69811320754717 BASEPAIR  19  FREE_ENERGY
    -22.70 LEN_BP_RATIO  2.78947368421053
CACUGACCCGGUCCGUGUGGGCCAGCACAAACAGCGUCUUGCGGCUGCCAUAGACCGAGGCCCAC
AG
>random_seq_from_cds__NO_13819    RANDOM_LENGTH 72  SEQ_LENGTH    63
    GC_CONTENT    0.666666666666667   BASEPAIR  24  FREE_ENERGY
    -24.80 LEN_BP_RATIO  2.625
GGUCCUGUGCAAAGAUGCUGAGGCCCUGGAGCUGGCCCGGACUGCCACACUUCACCCGGCUGGGC
AGACCGG
>random_seq_from_cds__NO_13835    RANDOM_LENGTH 84  SEQ_LENGTH    72
    GC_CONTENT    0.486111111111111   BASEPAIR  21  FREE_ENERGY
    -19.30 LEN_BP_RATIO  3.42857142857143
AUUGAAGGACAGGUUAAGCUUGCGCAGCUGUGUUAGGCCCUGGAAGGCCUUGGUUUUAGUGAUGC
AUUUGUAGAGGAAGUUCUC
>random_seq_from_cds__NO_13837    RANDOM_LENGTH 78  SEQ_LENGTH    63
    GC_CONTENT    0.634920634920635   BASEPAIR  21  FREE_ENERGY
    -19.00 LEN_BP_RATIO  3
CGGCUCAGGUGGCUGAAGGUAUCGGGAUGUAGCUGGGGGAAGUGACGAGGGCACUCCAUGCAGGG
GUUGGGAGCGUGG
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>random_seq_from_cds__NO_13840    RANDOM_LENGTH 62  SEQ_LENGTH    56
    GC_CONTENT    0.714285714285714    BASEPAIR  21  FREE_ENERGY
    -27.50 LEN_BP_RATIO  2.66666666666667
GAGGUUGCCCAGGCCAAGGAGGGCACCCGGGGCCACCUCCAGUGCCUGCCUGCAGGGGUUCU
>random_seq_from_cds__NO_13842    RANDOM_LENGTH 71  SEQ_LENGTH    58
    GC_CONTENT    0.517241379310345    BASEPAIR  21  FREE_ENERGY
    -20.20 LEN_BP_RATIO  2.76190476190476
AUGGCUGAGGGACAGGGAUAUGAGGGAUUUGGGCAGCGCAGGCACAGUCAUGAUGUUGUUGUAGC
UCAGGU
>random_seq_from_cds__NO_13844    RANDOM_LENGTH 74  SEQ_LENGTH    66
    GC_CONTENT    0.575757575757576    BASEPAIR  23  FREE_ENERGY
    -21.60 LEN_BP_RATIO  2.8695652173913
GGGCAGUUCCACUUGAGGUUGAGAUGCCGCAGGCUGGGCAGGUGGGCAAAGUCAGAAUCAUGGAG
GUGGUGGAU
>random_seq_from_cds__NO_13862    RANDOM_LENGTH 88  SEQ_LENGTH    82
    GC_CONTENT    0.634146341463415    BASEPAIR  29  FREE_ENERGY
    -33.90 LEN_BP_RATIO  2.82758620689655
CCUGUGUGGUUGCCCUCAGAGGCUGCAGGGGCCCUGUUUGCUUCCAGCACCAGCGGGGACUUGUU
GCUGGCUGACUUGGACUCCUCAG
>random_seq_from_cds__NO_13865    RANDOM_LENGTH 86  SEQ_LENGTH    68
    GC_CONTENT    0.676470588235294    BASEPAIR  22  FREE_ENERGY
    -27.86 LEN_BP_RATIO  3.09090909090909
GCGAGGCCGAUACGCUCCAUGAUGACCCGCCGGGCCUUGUCUGUCCACUCCUCGUCCUCCCCCA
GGGCCCCAUGGUCAAUGGGGU
>random_seq_from_cds__NO_13892    RANDOM_LENGTH 97  SEQ_LENGTH    72
    GC_CONTENT    0.388888888888889    BASEPAIR  25  FREE_ENERGY
    -23.00 LEN_BP_RATIO  2.88
AGGUGUAUUUGAAGAAGAUGCCACAGCUAUUUCCAACUAUAUGAACCAGUUGUAUCAAGCUAUGC
AUCGGAUUUAUGAUGCACAGGAAUGAAUUAAG
>random_seq_from_cds__NO_13894    RANDOM_LENGTH 99  SEQ_LENGTH    76
    GC_CONTENT    0.407894736842105    BASEPAIR  22  FREE_ENERGY
    -17.54 LEN_BP_RATIO  3.45454545454545
CUACAUUGCAACAGUUUUCAAAAGUUAUAGAUGAGGCUUAGCUCUUGUCAUGCAGUGCUUUCAAC
UCAACUUGCUGAUGCCAUGAUGUUCCCCAUUACC
>random_seq_from_cds__NO_13901    RANDOM_LENGTH 84  SEQ_LENGTH    70
    GC_CONTENT    0.528571428571429    BASEPAIR  25  FREE_ENERGY
    -18.61 LEN_BP_RATIO  2.8
AGUAAAACAGGCUUGGUGUCAUCUACCUGGGACAGACAGUUUUACUUCACGCAGGGUGGAAAUUU
AAUGAGUCAGGCCCGUGGG
>random_seq_from_cds__NO_13902    RANDOM_LENGTH 68  SEQ_LENGTH    57
    GC_CONTENT    0.543859649122807    BASEPAIR  21  FREE_ENERGY
    -19.50 LEN_BP_RATIO  2.71428571428571
GAUGUAGCAGGAGGCCUGGCCAUGGACAUAGACAACUGUUCAGUGAUGGCUGUGGACUGUGAAGA
CAG
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>random_seq_from_cds__NO_13912    RANDOM_LENGTH 110 SEQ_LENGTH    97
    GC_CONTENT    0.391752577319588    BASEPAIR   35  FREE_ENERGY
    -25.10 LEN_BP_RATIO  2.77142857142857
GGGAGAAGUGAAAGUAAUCUGUCAUCAGUCUGCUAUAUAUUUGAGUCAAACAAUGAGGGGGAAAA
GGAUAUGUGAUUCUGUUGGACUGGCAAAACAGAUAGCUUUGCAUG
>random_seq_from_cds__NO_13918    RANDOM_LENGTH 110 SEQ_LENGTH    98
    GC_CONTENT    0.418367346938776    BASEPAIR   31  FREE_ENERGY
    -20.90 LEN_BP_RATIO  3.16129032258065
UUUAGGCGGCACAAAUGUUUUAGGGAGCGAGGGUUUGCUUAAGAUAAAAUGUAUUUCUGACCAGA
UCCCCUGUUUUUGGAGCACAGCUUUCAACUUUGAACAGAUCCGAA
>random_seq_from_cds__NO_13928    RANDOM_LENGTH 119 SEQ_LENGTH
    106 GC_CONTENT    0.433962264150943    BASEPAIR   30  FREE_ENERGY
    -25.73 LEN_BP_RATIO  3.53333333333333
GGCAAAUCCUGUUUGUUUGCAAAAAGUAGCAGCACUGCAUCUCUCAAUUCAUCUACCAGAAGCCA
UUUUCUGCAGCUCAUCUGCUACUUCCUGAAUUCUUUCACGAUCGUUGCUAUCUA
>random_seq_from_cds__NO_13934    RANDOM_LENGTH 84  SEQ_LENGTH    70
    GC_CONTENT    0.628571428571429    BASEPAIR   23  FREE_ENERGY
    -26.70 LEN_BP_RATIO  3.04347826086957
UAACAGGAUGGCAUCCUUCCCGGAUCAGGCGGAGCAGGUCCAGGUAGGCUGUUCUUGCCAUGUCC
ACUUGGGCACCAGACAGGA
>random_seq_from_cds__NO_13937    RANDOM_LENGTH 90  SEQ_LENGTH    83
    GC_CONTENT    0.602409638554217    BASEPAIR   27  FREE_ENERGY
    -33.80 LEN_BP_RATIO  3.07407407407407
UAGCAGUGCACCCUUAGCAGCCUGGAGGUGUAUGACAGUGGUCUGGUUCCAAGCCUCGUGCUGGU
CAGCUCCGGAUUGCGUCAGGGUCUG
>random_seq_from_cds__NO_13943    RANDOM_LENGTH 71  SEQ_LENGTH    58
    GC_CONTENT    0.5 BASEPAIR   20  FREE_ENERGY   -19.60 LEN_BP_RATIO
    2.9
GAAGUCUUGGUUCAGAAUGGCAGUGUAGGAGUGCUGGAAGAACUCCAAGAGGCUGACUGCCAGGA
AAUGGA
>random_seq_from_cds__NO_13957    RANDOM_LENGTH 64  SEQ_LENGTH    57
    GC_CONTENT    0.596491228070175    BASEPAIR   20  FREE_ENERGY
    -18.10 LEN_BP_RATIO  2.85
CCAGGUAUCCCCCAAUGACACUCGGUGCACUGGGCUGCCCAUCAUGCGGAGGUUACUGGAACCG
>random_seq_from_cds__NO_13967    RANDOM_LENGTH 86  SEQ_LENGTH    55
    GC_CONTENT    0.527272727272727    BASEPAIR   23  FREE_ENERGY
    -20.60 LEN_BP_RATIO  2.39130434782609
CUUACCAUCAGGCUUGAGGCUUUUUAUUCCAUCUUCACCACGGAGCAGCAAGACCAUGUCAAGUC
GGUGGAGUAUCUGAGAAAUAA
>random_seq_from_cds__NO_13975    RANDOM_LENGTH 89  SEQ_LENGTH    79
    GC_CONTENT    0.746835443037975    BASEPAIR   28  FREE_ENERGY
    -34.00 LEN_BP_RATIO  2.82142857142857
GCUCGCCGGCCUGGGGUUCGGCGGUGGUGGCAUCUCCUCUUUCCCCAGCACUGUGUGGCCCACGC
GCCUCCCGACGGCCGCCUCAGCCA
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>random_seq_from_cds__NO_14006    RANDOM_LENGTH 84  SEQ_LENGTH    59
    GC_CONTENT    0.491525423728814    BASEPAIR  19  FREE_ENERGY
    -18.70 LEN_BP_RATIO  3.10526315789474
GAAAAUGGAAAUGGUCCCAUGACAGUAGACAAAAAUGGUGCUGUUCUUAUUGCAGAUGAAUCAGA
CCCUGCUGAGAGCAUGGAG
>random_seq_from_cds__NO_14008    RANDOM_LENGTH 110 SEQ_LENGTH
    104 GC_CONTENT    0.836538461538462    BASEPAIR  37  FREE_ENERGY
    -60.20 LEN_BP_RATIO  2.81081081081081
GGCGGCGGGCGGAGCAGCGGCCGCGGCCGCCCGGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGC
CGCCGCCUCCGCAGCCCCAGCGGCAGCAGCACCCGCCACCGCCGC
>random_seq_from_cds__NO_14009    RANDOM_LENGTH 69  SEQ_LENGTH    63
    GC_CONTENT    0.825396825396825    BASEPAIR  24  FREE_ENERGY
    -32.80 LEN_BP_RATIO  2.625
CACGGCGCACACGGCCGGAGGACGGCGGGCCCGGCGCCGCCUCCACCUCGGCCGCCGCAAUGGCG
ACGG
>random_seq_from_cds__NO_14010    RANDOM_LENGTH 77  SEQ_LENGTH    65
    GC_CONTENT    0.646153846153846    BASEPAIR  21  FREE_ENERGY
    -25.74 LEN_BP_RATIO  3.0952380952381
UCGGGGAGCGCAGGCCUCUGCCCAGUCCUGAAGUGAUGCUGGGACAGUCGUGGAAUCUGUGGGUU
GAGGCUUCCAAA
>random_seq_from_cds__NO_14017    RANDOM_LENGTH 90  SEQ_LENGTH    54
    GC_CONTENT    0.611111111111111    BASEPAIR  19  FREE_ENERGY
    -18.40 LEN_BP_RATIO  2.84210526315789
UCUGCGGUGGGGCCAACCUGUCCUGCUACUGUGAGUUCCUUAGUCAAGCCUGGCCUUAACUGCCC
CUCAAUACCAAAGCCAACCUUGCCU
>random_seq_from_cds__NO_14023    RANDOM_LENGTH 69  SEQ_LENGTH    53
    GC_CONTENT    0.679245283018868    BASEPAIR  21  FREE_ENERGY
    -22.60 LEN_BP_RATIO  2.52380952380952
CUCCACACCCUCCCCUGCCUGCCACUGAGCCAGCUUCUCGGUUAUCCAGUGAGGAGGGCGAAGGC
GAUG
>random_seq_from_cds__NO_14044    RANDOM_LENGTH 85  SEQ_LENGTH    72
    GC_CONTENT    0.416666666666667    BASEPAIR  27  FREE_ENERGY
    -17.70 LEN_BP_RATIO  2.66666666666667
GAGGGUAACUGUGUUUCCCGCUUCCUUGAUUAGGUUCACAAUGUCUGAAUGGGAUUUGUUGGUGA
UGGAACAUCCAUUUACUGCC
>random_seq_from_cds__NO_14048    RANDOM_LENGTH 86  SEQ_LENGTH    68
    GC_CONTENT    0.632352941176471    BASEPAIR  27  FREE_ENERGY
    -25.50 LEN_BP_RATIO  2.51851851851852
CACCGUGUUCAGCGAGUUCUGGCUGCCCUGCGGAGUGCGCUUCUCUUCUGUCAGCGAGGCCGGCU
GGUUGCUACUGUGAUGAGAGG
>random_seq_from_cds__NO_14056    RANDOM_LENGTH 81  SEQ_LENGTH    70
    GC_CONTENT    0.557142857142857    BASEPAIR  22  FREE_ENERGY
    -22.72 LEN_BP_RATIO  3.18181818181818
UGAGAACUAUUCUGGCUGUCUUUCCUUUCCAGUGGUUGCCGACUUUGGGCUCUUCUUGGGAACUG
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GCAGCCCCUCCUCGUU
>random_seq_from_cds__NO_14066    RANDOM_LENGTH 79  SEQ_LENGTH    56
    GC_CONTENT    0.535714285714286    BASEPAIR  19  FREE_ENERGY
    -18.90 LEN_BP_RATIO  2.94736842105263
GAAGUGGAACUUCUCUGGCUGGCUCUGGAUUGCUUGGAGGGUGGUUUGGAAUAACAGGAGGCACA
AGGGCUGAGUGAUC
>random_seq_from_cds__NO_14067    RANDOM_LENGTH 84  SEQ_LENGTH    59
    GC_CONTENT    0.661016949152542    BASEPAIR  20  FREE_ENERGY
    -23.80 LEN_BP_RATIO  2.95
UUCUGUCCAUUCCUUCUGUCUGCUGCUGCUGCUGCUGCUGCUGCUGCUGUUGCUGCUGCUGUUGC
UGCUGCUGCUGCUGCUCAA
>random_seq_from_cds__NO_14069    RANDOM_LENGTH 84  SEQ_LENGTH    65
    GC_CONTENT    0.584615384615385    BASEPAIR  23  FREE_ENERGY
    -18.37 LEN_BP_RATIO  2.82608695652174
AGCAGGCAGUUCCUAGUUCACUGUCCAGCUCCUCGGUGUGUACCCCUUCCAUCAUCUUCACACUC
UUCCAGUGGCUUCUGCUGC
>random_seq_from_cds__NO_14071    RANDOM_LENGTH 72  SEQ_LENGTH    60
    GC_CONTENT    0.4 BASEPAIR  21  FREE_ENERGY   -18.50 LEN_BP_RATIO
    2.85714285714286
CCCAGUUUUCAGGUAGAGGACCUAAAUUAUCCUCUGCAGAAAGAGGUAGGUAUUGAGGGAACUUC
UGAGAAG
>random_seq_from_cds__NO_14072    RANDOM_LENGTH 94  SEQ_LENGTH    87
    GC_CONTENT    0.540229885057471    BASEPAIR  33  FREE_ENERGY
    -29.00 LEN_BP_RATIO  2.63636363636364
GGUCCGUGAUGGGAGCAGCGAUGAUGCUACUAUUCACAGGUGGUAAUGCUGUUUCUUGGAGAGUG
UGCUCCUCUUGUUCACCAGAAUCGGCCUG
>random_seq_from_cds__NO_14074    RANDOM_LENGTH 70  SEQ_LENGTH    58
    GC_CONTENT    0.603448275862069    BASEPAIR  22  FREE_ENERGY
    -21.80 LEN_BP_RATIO  2.63636363636364
UUGGUUCGCUUCGGGGUCGACUGCUUAGAGCCAGACUGAAGGCUGUGCAAGGCAUCCGUCGUGAU
CACUU
>random_seq_from_cds__NO_14078    RANDOM_LENGTH 99  SEQ_LENGTH    80
    GC_CONTENT    0.5 BASEPAIR  26  FREE_ENERGY   -23.92 LEN_BP_RATIO
    3.07692307692308
AUGUCGCAGGUCCUUGUUCAGCCUUCCUCCUUUUAGCGUUUUCCACCAACUCGGGGAGCUGAAAC
UUUCACAGGCUUCACAAUCUUUUGCUUAGGUGCU
>random_seq_from_cds__NO_14096    RANDOM_LENGTH 72  SEQ_LENGTH    55
    GC_CONTENT    0.490909090909091    BASEPAIR  19  FREE_ENERGY
    -15.60 LEN_BP_RATIO  2.89473684210526
ACGGCUCGCUGAAAGCUCAAAGGAUGAAAGAGAUUCAUGCUUCAAGUCAUCGCCCAAAAGCCUGA
UUUUCUG
>random_seq_from_cds__NO_14102    RANDOM_LENGTH 86  SEQ_LENGTH    60
    GC_CONTENT    0.4 BASEPAIR  19  FREE_ENERGY   -17.84 LEN_BP_RATIO
    3.15789473684211
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CAAUGUUAAAUUUCUAUUAUCUGAUGCCGGUGUCCUUACAGUACUGGACCAAGUACUGUCCCAUG
ACUUUUAGUAGAUGAUUAUAC
>random_seq_from_cds__NO_14120    RANDOM_LENGTH 86  SEQ_LENGTH    62
    GC_CONTENT    0.548387096774194    BASEPAIR  22  FREE_ENERGY
    -22.80 LEN_BP_RATIO  2.81818181818182
CCUUCAGCGAGAACCAUGGGGUGGUGAUCCAGCCUGCCUAUAAGGACAAGAUAAACAUUACCCAG
CUGGGACUCCAAAACUCAACC
>random_seq_from_cds__NO_14124    RANDOM_LENGTH 106 SEQ_LENGTH
    101 GC_CONTENT    0.514851485148515    BASEPAIR  31  FREE_ENERGY
    -32.49 LEN_BP_RATIO  3.25806451612903
AUAUCAAAGACCCUAAGAAUCAGGUGGGGAAGGAGGUGAUCUGCCAGGUGCUGCACCUGGGGACU
GUGACCGACUUUAAGCAAACCGUCAACAAAGGGCUAUUGGU
>random_seq_from_cds__NO_14130    RANDOM_LENGTH 81  SEQ_LENGTH    67
    GC_CONTENT    0.671641791044776    BASEPAIR  24  FREE_ENERGY
    -33.60 LEN_BP_RATIO  2.79166666666667
AAACUCCUUCCGAGGAGAAGAAGGGGGAGGGUGAUGCUGCCACAGAGCAGGCAGCCCCCCAGGCU
CCUGCAUCCUCAGAGG
>random_seq_from_cds__NO_14137    RANDOM_LENGTH 98  SEQ_LENGTH    85
    GC_CONTENT    0.529411764705882    BASEPAIR  27  FREE_ENERGY
    -28.06 LEN_BP_RATIO  3.14814814814815
ACAACGAUGACAUCUAUGGGGCUGCCUGGAUCGGCAUAUUUGUGGGCAUCUGCCUCUUCUGCCUG
UCUGUUCUAGGCAUUGUAGGCAUCAUGAAGUCC
>random_seq_from_cds__NO_14142    RANDOM_LENGTH 75  SEQ_LENGTH    61
    GC_CONTENT    0.540983606557377    BASEPAIR  22  FREE_ENERGY
    -23.12 LEN_BP_RATIO  2.77272727272727
ACUAGGCGUGCCUGGUUUUUAUCACAAUCAGGGGCUGCUAUGAACUGAUCUCUGGUCCAAUGAAC
CGACACGCCU
>random_seq_from_cds__NO_14144    RANDOM_LENGTH 87  SEQ_LENGTH    72
    GC_CONTENT    0.513888888888889    BASEPAIR  25  FREE_ENERGY
    -25.40 LEN_BP_RATIO  2.88
UGAAUAUUAACUCAAUUAGGUUCUGCUGGGUUCCUGGAGUUGGGAGUGAAGUGGCUCUUGAGUGG
CUCCCAGCACUUGUGGUAGUUC
>random_seq_from_cds__NO_14153    RANDOM_LENGTH 85  SEQ_LENGTH    69
    GC_CONTENT    0.521739130434783    BASEPAIR  22  FREE_ENERGY
    -18.90 LEN_BP_RATIO  3.13636363636364
UAGCCCCUGGUCUCCUCAAAGACAUCUAUGCUGAACCGCAUUCCUCUCCUGAAUGACGCAGAUCU
CAUUGGGCUGUACAAGCAUC
>random_seq_from_cds__NO_14159    RANDOM_LENGTH 110 SEQ_LENGTH    81
    GC_CONTENT    0.432098765432099    BASEPAIR  26  FREE_ENERGY
    -22.90 LEN_BP_RATIO  3.11538461538462
UUUAACUCAGCCAUAAUGAUACCUGGAGGCUUAUCUGAGGCCAAACCCGCCACUCCAGAAAUCCA
GGAGAUUGUUGAUAAGGGUUAAACCACAGCUUGAAGAAAAAACAA
>random_seq_from_cds__NO_14173    RANDOM_LENGTH 97  SEQ_LENGTH    79
    GC_CONTENT    0.455696202531646    BASEPAIR  26  FREE_ENERGY
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    -22.80 LEN_BP_RATIO  3.03846153846154
AGGUGGACUUUUCCCUCUACAGAGAUUAGACAAAGCCCAUACUGCAUUCCGGGUCAUGGUCAGGC
GGUUUUGCUUUGAAAAUAACCUGCAAAAGAGG
>random_seq_from_cds__NO_14191    RANDOM_LENGTH 98  SEQ_LENGTH    81
    GC_CONTENT    0.432098765432099    BASEPAIR  25  FREE_ENERGY
    -17.20 LEN_BP_RATIO  3.24
AAACACUGGAUGCUACCUCGCUUUUUGGCAUCUUCCAGGAACAGUGAAAUGUUUCUCCAAUGAUA
GGAUUGUAUGGUUUUUUAGCAAUGGCUCCCUUA
>random_seq_from_cds__NO_14212    RANDOM_LENGTH 83  SEQ_LENGTH    62
    GC_CONTENT    0.516129032258065    BASEPAIR  21  FREE_ENERGY
    -20.50 LEN_BP_RATIO  2.95238095238095
ACGAGAUUAAAAGGUGACCGAGGAGGUGUCCAUUUCUUAAAGGCUUUACGUCGUGGGGGGCUAAG
AGCCUUCUUUGUUAUAUU
>random_seq_from_cds__NO_14214    RANDOM_LENGTH 102 SEQ_LENGTH    97
    GC_CONTENT    0.391752577319588    BASEPAIR  32  FREE_ENERGY
    -20.50 LEN_BP_RATIO  3.03125
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UAUGCAAAUGUUCUUUCCUUUCCACAACUUCUACUUU
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(3). 1442 Zou pseudo miRNAs

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protein
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CCUGUCACCGUACCCACC
>EMBL_CDS:BAB19784 BAB19784.1 Homo sapiens (human) MOP-3
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protein
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lysophospholipase (LLPL)
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CACCGAAGGUGGUCGGGAAGA
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protein
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protein
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binding protein
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protein
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factor
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heavy chain variable
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binding protein
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protease

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kringle-containing transmembrane
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particle 14kD
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heavy chain VHDJ
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CUUCCA
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transmembrane helix receptor
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transmembrane helix receptor
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kappa light chain
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transmembrane helix receptor
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recognition protein L
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product of
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>EMBL_CDS:BAC45250 BAC45250.1 Homo sapiens (human) receptor protein tyrosine kinase

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>EMBL_CDS:BAD02449 BAD02449.1 Homo sapiens (human) N-acetylgalactosaminyltransferase

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CGA
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zinc finger protein 1
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regulatory factor 1 nirs
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N-Acetylglucosaminyltransferase IX
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protein
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C
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matrix protein QBRICK
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kinase kappa
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variant 1
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heavy
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kinase
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beta
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polymerase II, UAUA box
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beta variable 27
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>EMBL_CDS:BAG06722 BAG06722.1 Homo sapiens (human) DNAH10 variant protein

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>EMBL_CDS:BAD92948 BAD92948.1 Homo sapiens (human) RAB40B, member RAS

oncogene family
CUCGAAGAGGACCUCUCUAAGGCGGCACAAAGAAAGUCACGGAAGGAAUUCUUUAAAACGUCGAC
AAAGACCACGUCAAAAACCCCCCCGAGACCCCCCCGCCUGCUCGAAGUGAAACGCCUCCGACG
AG
>EMBL_CDS:BAD92557 BAD92557.1 Homo sapiens (human) LEPREL2 protein variant
AGCCUCCUACUUCGCGACCUACAGGAGAGACCCAGGCUCCGGUCCAGAGCCGAGAGGGUCGACCC
GGACCAUGACCAAGUCUCGGGAGAACCGUCGGAGUAGGAGGCC
>EMBL_CDS:BAD93084 BAD93084.1 Homo sapiens (human) zinc finger protein 211 isoform 2
CCGACCUCGAAGCCGAUUUCCUAAAAGGUGUAAGUAACGUGAGUACUCCAGAAAGAGGUCACACU
UGAGAGACCACCAUUUAGUCCGACUUCAAAACCGA
>EMBL_CDS:BAD93143 BAD93143.1 Homo sapiens (human) tripartite motif-containing 38
UGCAGAAGGACUCCACUUCGGAAGUGUUGGGUUCUGUGUCCCCUUCCGUCAUUUAGAGGACCUUC
UACA
>EMBL_CDS:BAE06093 BAE06093.1 Homo sapiens (human) UNPO2 variant protein
UUGAACCCCUAGUACUACAACUCCCCGGACAACUCCCGCAGUGACAGGUCUUCGAGACUACUCAG
AAGUGUCUAGAAGACGUCCCGAGGUUUCCGAGGGAGUGUUCACAACAUUAGGAGGCUCAA
>EMBL_CDS:BAD92719 BAD92719.1 Homo sapiens (human) Diaphanous 1 variant
AGUUAGUAGUACAACCCUUGUCGUCCUAGGUACCGAGACUGGUCGUCAUCCUAAGGAAGAAGACA
GAGGUUGUACCAGAACU
>EMBL_CDS:BAD92976 BAD92976.1 Homo sapiens (human) Inositol 1,4,5-trisphosphate receptor
CCAUGAACGUGUCCCCCGACUACAGUAACUCCUAGUCACGCCACUACUACAGAUACGGUAACCUG
AGCACUCAGUGUUACGUUCAGACCAAGAGUACCGUCCCCGGGACCGUCAUGA
>EMBL_CDS:BAE06086 BAE06086.1 Homo sapiens (human) CSPG3 variant protein
CGUGACUUCGAGGACUACAAGGGACCCAGAGGUGGACUAGGAGACCGAGACCCACCCCAACCCUC
GAACUCCUCGGGUCACA
>EMBL_CDS:BAE06083 BAE06083.1 Homo sapiens (human) APC variant protein
CAACGACCCGUCCAGAACUUCCCCAGCUUAGAGAUCUAGGACUAGAUCUUCCACGAAAUGAACUG
GGUGGAUAAACCCUACAGACGGACCGUUG
>EMBL_CDS:BAD92747 BAD92747.1 Homo sapiens (human) EBNA-2 co-activator variant
ACCGUUACGUCUUGAGAGGGGACGCCCCCCGUAUCCUCGGGAGAUGUCCCCCCACUGACCGUUAC
AGU
>EMBL_CDS:BAD93123 BAD93123.1 Homo sapiens (human) MSH5 protein variant
CAGGUCACUACUGAAACUGGGAGGGAAACAGGGGUGGUGUAAGACACCUCAACCCGUGUUUCCAA
GCCCGUGUCUCAAGGUAGUCUCCUA

>EMBL_CDS:BAD92921 BAD92921.1 Homo sapiens (human) Synapsin-3 variant
GAGCCACCACCGCAUCCAAAACCGGUACCGCUGGUGCGACCACUACAGGACCUUCAGUUCGACCA
AAAGGUGAAACUAGAAAGGGUAAGGUCGCACCCGUACAGGGUCGAACUGAUGGUGGCCC
>EMBL_CDS:BAD93102 BAD93102.1 Homo sapiens (human) latent transforming growth factor
AGUCCGUAACCACCCCAACACCGUAAGGGACACUGGGUCCGUCCACGUACCCACUGUGACCAGCA
CUGGACCGGUCGGACU
>EMBL_CDS:BAD93140 BAD93140.1 Homo sapiens (human) LL5 beta protein variant
AGGUACGAUAGUCUCGAUAGCUCCGAGUCUCAUAGUUUCCGGACCAGGAACAUCGACACUAGACC
UAUUACCU
>EMBL_CDS:BAD92774 BAD92774.1 Homo sapiens (human) G protein-coupled receptor kinase
CUACCCCACCUGAAACAGAACCCCCAACCGAAAUGCGGCCGGCGAGACGUGAACACGCCCCAGGU
CGUCCCUCACGAGGGUCUACCUCAACCGGGGCAA
>EMBL_CDS:BAD92514 BAD92514.1 Homo sapiens (human) son of sevenless homolog 2 variant
UCCUCUAAAAUUCCUUUUUCAACUAAAGGAUCCUUUAGCUCCACCGACAAACGUCAAAGCUCCAA
GUUAAAGAUCACUGAACAACUUGUUUAUUAGACAUUUGAGAAAAAGUCUACGUGAAGGGUACCCC
AAUUCCAAAAGUUUCUUAGAGGA
>EMBL_CDS:BAD92702 BAD92702.1 Homo sapiens (human) hypothetical protein FLJ16665
CUAGGUACCGCUAGACUCGUUCCCUGUUCCUACCUUUACCCAGAGAAUAAUCGUAAACGAACUAG
UGGUACCCAA
>EMBL_CDS:BAD92714 BAD92714.1 Homo sapiens (human) anaplastic lymphoma kinase Ki-1
CGGGUUCGACCUCCUGACAGGGUAAGGUUGUUCACUUCCUCGAGACGUCCCGGUAGAACCUCGGA
CCCCUACAAGGAAGUGACGUCAAGAAGUCCCG
>EMBL_CDS:BAD92530 BAD92530.1 Homo sapiens (human) SWI/SNF-related matrix-associated
CGAGGAGAAGAGACACCGGUGCGAAACUGAAUCACAUUCCACAACUCCCUGGAAAGAAUCGUAAA
AAGAAGAAACGAAGACCCCAACCACUUCCUCUCCCCCUCG
>EMBL_CDS:BAD92651 BAD92651.1 Homo sapiens (human) A-kinase anchor protein 13 isoform 2
ACAACCUCGCCUUCUCUUGAGAUCCCGAUACACAACCCCUCGUUAGGAGACCCUCUCCCCACGAC
GUGAGUCGGUACAGGGCCUUUUAGUAGAGGAAGAGAAGGUUGU
>EMBL_CDS:BAD92907 BAD92907.1 Homo sapiens (human) protein tyrosine phosphatase,
CCAAGAAAGGUCAAGUUCUUCUAGAAUAAAAGUUUCCUACAAGGAACUUCUCUAAAAUGACCAUG
CCCUGG
>EMBL_CDS:BAD92640 BAD92640.1 Homo sapiens (human) iron-responsive element binding
GUCUUAGUGUUCUAGGAGCCGUCCAUCAGACCGGAGACGUCCCUUCGAAGAAUCCGACGUGAAAU
UCACCUCUCUCGAAAGGACGAAAGACGUCCAGUGGUGGAGGUCCUAAACCACGUAAGAC

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>EMBL_CDS:BAE06113 BAE06113.1 Homo sapiens (human) C14orf159 variant
protein
GGUCUCCCGUCGUCUUCGGUCGUACCCAUUGUGUUCCGUGACAACAGAACAUACGUGGGCGGACC
GACACUGGACGACCCAGAGAAGACC
>EMBL_CDS:BAD92895 BAD92895.1 Homo sapiens (human) integrin alpha 3
isoform b, precursor
AUCGGCUUCCACCGGUUGGGUCCGUCAGGGUCGAAGAGAGGUACCUAAUGGACGACCCCGACAGA
CUCCUCGGGGAAUCUCGAU
>EMBL_CDS:BAD92894 BAD92894.1 Homo sapiens (human) platelet-derived
growth factor
CGUCCGUCUGGUCUACUACAAGCCGACCCCGUACGGGGCCGGUGCUGUCGCCUGACAGACA
>EMBL_CDS:BAE06120 BAE06120.1 Homo sapiens (human) UNC variant
protein
GACCAAGAGUAGGAGACACUCUAGCUACCACCAUGCCAGAGGACCGUGCAGAAACUACGGCAUCC
AGUCGAGUUACGGUAGCUAGAGUCGGUCCCCGAACUUGGUC
>EMBL_CDS:BAE06087 BAE06087.1 Homo sapiens (human) MEF2D variant
protein
UGGUCCACCCUGACAACGACUCCACCGACAACGCCGACGACUCCGACGACACCGACACCGACGAC
ACCGACGCCACCGACGACGACACCUCCGACACCGACGACGCCGACGACCCCGACGACACCGACAA
CGGUCCGUCACUGUAACGGAUCGCUGUCGGGGGGUCCA
>EMBL_CDS:BAE06094 BAE06094.1 Homo sapiens (human) DAB1 variant
protein
CCAGCCCAAACGCCCUCCCGUGCCCGCCUCCGACCCGGUAGACCUUUAGGAAUUUGCAAAGAAAC
GGGUAAAAGACGGACCCGAACAGCCAGACACCUGAACUGG
>EMBL_CDS:BAD92901 BAD92901.1 Homo sapiens (human) Hypothetical
protein DKFZp666D035
CACAUCCCAAAAAGAAGUCUUACUCAAGAGAAUACCAAUCUUUCCGAACUCGUUCAAGACUUCUG
GAAGGGUGUA
>EMBL_CDS:BAD92880 BAD92880.1 Homo sapiens (human) smoothelin isoform
b variant
CCCGUCGUCCCCAGAGAAACCCCGGUCUGUCUUCGAACAACUGGUGGACCGGGAGUCACGACCCC
UCGCAACCUCUGAGGACUCCGAGUCCCGACCACCAGAACCCACCCGACCCCCCACCGAGACCCGA
CGGA
>EMBL_CDS:BAD92987 BAD92987.1 Homo sapiens (human) RE1-silencing
transcription factor
CAAAAGAAAUCAAAGUGAAAACUCUGUAGGUAACAAAAUAAUCCUGUUCAUCCUACGAAUCUAAA
CUUCACUAUGACAUCUAAUG
>EMBL_CDS:BAD92820 BAD92820.1 Homo sapiens (human) phospholipase C,
beta 2 variant
CGUGGACCAGUCCGGCACGACCGCCCUUGUCGUCCCUCAAUUCGGCCCUCAGGGCGACAAAGACC
AACUACUUAAACCAGUCCACG
>EMBL_CDS:BAE06070 BAE06070.1 Homo sapiens (human) FASN variant
protein
CCCGUCCCCGACCAGGUGGUGGACGUCGGCGGGUAGGUUGUCGCGACCCUAGAGUCCCAACCCCG
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AUACCUUCACGUCCAACCCCCGGGUCUCGGGCACGAG
>EMBL_CDS:BAD92549 BAD92549.1 Homo sapiens (human) DNA-repair protein complementing XP-G
AGGACACCACUCUCUCCAGGGGACGACUUACGAAAUAAUCGAAAUUGUCCCCAACGAAGCUUCGG
UUAACCU
>EMBL_CDS:BAD93125 BAD93125.1 Homo sapiens (human) natural killer-tumor recognition
AAAUCUUGCAAAUUGAAAACCGGAGGAGAAUACAAAGGAGGAAGACGAAGAGAGUACAAGUUCAA
GUGAAAGACUUCUACUAAGACUUCUUCUCCUCCUUAACCUUCCCCUUAGGCUCGGAAGACUU
>EMBL_CDS:BAD92735 BAD92735.1 Homo sapiens (human) low density lipoprotein-related
CGUAGACCCCCCCCGCAACCUCUCCCGUGUCCGUGCGUACACGGCAACAGGUCGGCGAAGGGUAA
CCCUGUCCACG
>EMBL_CDS:BAD92858 BAD92858.1 Homo sapiens (human) zinc finger, MYND domain-containing
GGACGGUGAACGGAGACAAAAGAGCGAGGUCGGCGAGGGUCUAAAGACCCUAGAUCCUCUCUCUU
CACCUCUCACCGUCC
>EMBL_CDS:BAD92580 BAD92580.1 Homo sapiens (human) elongation factor, RNA polymerase
AUCGUUCAUCGAGGCCAAAGAACAUCCGGAAGUCCCGGUCAUUCACUUAGUGGGACAGGGACAUA
CCGGAGACUCUCUACCACGACGACGAU
>EMBL_CDS:BAE96739 BAE96739.1 Homo sapiens (human) downstream of tyrosine kinase 7
GGUCCGACGACGGGCGCAUCCUGCUCUCCGACGACCUCAUUCUCCUCACCGACGGUCACCGCUAC
GGCGACAGGCUCCUCGAGACCGCCGGUUGGAGGACGUCGACGGCGCCUGCGUCGCCGAACC
>EMBL_CDS:BAE44474 BAE44474.1 Homo sapiens (human) hypothetical protein
CGUAACCCCCGGUCCUGUUUCCCCGAGACGCCCCGCACCCGGAGACCAUCCCGUCCCAGACCUCG
AGACGUCUUCAGGACCACGACCUACA
>EMBL_CDS:BAE17137 BAE17137.1 Homo sapiens (human) hypothetical protein
CUUCCUACACCACGAUGUCCCGAACCACUGAAAGCCAACCCCUCGUGGUUCAAGACACGAAAGAA
A
>EMBL_CDS:BAE96351 BAE96351.1 Homo sapiens (human) mammalian diaphanous homologue
GUGUUUUAAGUCAUAUAGUCCCAUGAAGAGAAGUGUAUAAAGAUGGUCCUUUACUUCAUCGCAAC
AAAAGACUAGACGACUAAAACAC
>EMBL_CDS:BAG70269 BAG70269.1 Homo sapiens (human) MLCK protein
GGUGUAACUGGGACGGCCCACGACCUCGGUUAAGGUCCGGUCAGGACUCCAAGAGCGACCCACAG
AGUCCUCGGAACCGAAGGUGGAAACACCCGUCCCCGUCCACC
>EMBL_CDS:BAD92391 BAD92391.1 Homo sapiens (human) Uyrosine-protein kinase transmembrane
GGAGGUACUUGGAGUGGCGUCUGUCCGACUAGAGAAACUCAAACCGGACAAACACGACCAAUUAC
UCC

>EMBL_CDS:BAD92390 BAD92390.1 Homo sapiens (human) formin 2 variant
AAGACAUCAUUAAGGUCAAACGCUACUUAACUCGUUUACGAAAGACUUUUACACCUGACCUUGUC
CU
>EMBL_CDS:BAD92083 BAD92083.1 Homo sapiens (human) Apolipoprotein B variant
UUAGUAUGAAUUUAAGGUACCUCCUUCUCUGUCAUCCAAAACUGAACCAUAAAGGUAAUUCAAGA
ACGAACUUUAAGUAAGAGUUUUAACCUUAAACCCGAAAACACCAA
>EMBL_CDS:BAD92195 BAD92195.1 Homo sapiens (human) protocadherin gamma subfamily A, 7
AUAACUAAAAAGAUUAAAUUUUCCAUCCAAAAGACCUUACCACGUCCAGUGGAGUGGUAAGAAAG
GUCUUAGAGACAGAACAUCCAUCUUUUCUCGUUAC
>EMBL_CDS:BAE53437 BAE53437.1 Homo sapiens (human) C8orfK32 protein
UCCCCAAGUCGAGACCUCCCCAAGAAUAACGAUCUAAAAUGCAGUUACAUCCAGUCGUGACCCCG
GACAGGUAGGAGACCUGGACCUGAGGA
>EMBL_CDS:BAD92137 BAD92137.1 Homo sapiens (human) hepatocyte growth factor isoform 1
AACAUAAAGAAGAAAAGGAAACAGGGAGACGUAUCCCCUACCGCUACCCCUCGUCCUCCUCUACG
UC
>EMBL_CDS:BAD92305 BAD92305.1 Homo sapiens (human) ash1 (absent, small, or
CAACAGUGAAAGUCUAAGAUCGAACGAACCUGAAAGUCACCGUUGUUUACCUCGGUGACUGUCAU
GUCCACCGAAGUAGAACUGACCACUGGAG
>EMBL_CDS:BAD92062 BAD92062.1 Homo sapiens (human) poly(rC)-binding protein 2 isoform
UCCACCAGGGAGGUCCAGUCCCAACUCCGUGUACCUGCCCCACCACACCCCUUUCGAGCGUGACA
GCGACGGACACGACAUGGACAGGACUGGUGGA
>EMBL_CDS:BAD92359 BAD92359.1 Homo sapiens (human) glypican 1 precursor variant
CCAAGAGGAGGUAGAGCGACCACGUCGUCCACAUCGGGACCCCUGUCUAGGCGUCCACGAGUGGA
CACCCCUUUCCGGUCACACUCCCUCUCCCCGA
>EMBL_CDS:BAD92458 BAD92458.1 Homo sapiens (human) hypothetical protein FLJ41407 variant
CCGAGGAGGUCCACGAAGACAUCUGUGUCCACUCUCCAUUGUAGGGUCCGGGACCCUACCACCAG
AAGGGACCCGUCACUGGACACUCCCGG
>EMBL_CDS:BAD92438 BAD92438.1 Homo sapiens (human) WD repeat-containing protein 3
CUCUAUGACGGUAUUCGGUAAUCCUACCCCAACGACCCUUCACCUUGGAGAAAGGGACGUCGAAA
UGUUUACCGAAACACAAGGAAGUAAAAACGUCAAAGAA
>EMBL_CDS:BAE16982 BAE16982.1 Homo sapiens (human) connexin43-interacting protein of 150
CAUCAUAAACCUGGUAGUCUAAAAGAAAGUUAUGACAUUUCCGUAUAACUUGUCAGACGAGAUUU
AUGAUA
>EMBL_CDS:BAD92206 BAD92206.1 Homo sapiens (human) KIAA0182 protein variant

AGGAGGAGAAGGAGGAGGAGGCUCAGGGCCAGGUUGAGGACCCAACCCCCCGGGAAGGAACGUCA
CCCCCCGAGGACGACGGGUAACACGACCCCACCUCCCCGCGCCGACCUCCU

>EMBL_CDS:BAD92022 BAD92022.1 Homo sapiens (human) phosphoribosylglycinamide
AAGGUCGACGUUCUGGUGACCGGAAGUGUUGGUUUCGUCCCUUCAGACGUGAGUUUUACUUCGAC
GUCCGAAGAAGUCCAAACCACUUUCGGAAGGUAACACGCCAACCCU

>EMBL_CDS:BAD92171 BAD92171.1 Homo sapiens (human) plexin C1 variant
CGACACUCUGAAAGUAAGAACAGCAACCGCAGAGACAAUACGUAUAGAAGUCACUUCUACACCCA
CUUCGGUGGACUGAGUCCCUUCUUUCAAGAGUCUCG

>EMBL_CDS:BAE46995 BAE46995.1 Homo sapiens (human) PPAR gamma DBD-interacting protein1
CCGCACCUACCCCAACGGGAACCGGUGCAUCUUCACGGCGCUCUACUUCGACUGUUACCGCAGGC
ACGUCGCCAUCAAGAGCACCUUCUGGUCCGCCGAGACGGCGCGG

>EMBL_CDS:BAF43710 BAF43710.1 Homo sapiens (human) hypothetical protein
CCUCCGACAGAGGACGUCUAGUACCUCCUUAGACGACAAGUGAAACUACUAUAGUAGUUACAAAC
UCUUGUCCUGUAGGUCUAGAGGGACGCCGUUGACGACCUCCGCCGAGG

>EMBL_CDS:BAD92025 BAD92025.1 Homo sapiens (human) Retinoblastoma-associated protein
AAGUGUUUCACAUAAAUCGGCCUCUAUCCGAUCGGCUAUGUGAAAAAAUAUUUGUCACUU

>EMBL_CDS:BAD92410 BAD92410.1 Homo sapiens (human) transducin beta-like 3 variant
AGGACACUCGGACACCGGUCGUCGAACAGCAACCCCCGUUAUCGGUGCGACAACUACAGGAAUAG
UACCGUCGCGACUCACCAGACCCGGACGUCCU

>EMBL_CDS:BAD92113 BAD92113.1 Homo sapiens (human) axin 1 isoform a variant
CGACUCCCGGCCGGGUCCCCACGAGUUCCCUGUUCCCAGACCUCAAGAGUACCCCGACACCGAAG
GAGCAGGGGCUUCUGGGCACCGGCCAGGACGCCA

>EMBL_CDS:BAD92250 BAD92250.1 Homo sapiens (human) sorting nexin 1 isoform a variant
UCCUCCUUCUUCAGUAACAACCGGACAAGGACCACCUCGACGAGUUAAAAAAGAAGGUGGA

>EMBL_CDS:BAD92184 BAD92184.1 Homo sapiens (human) chordin isoform a variant
CACGUGGAGAGGUCACGGGGGGAACGUCCACGUCUGUCGUGUGAAUUAAUUCGGUUUCCCCCCGU
GUUGCCCCACGG

>EMBL_CDS:BAD92413 BAD92413.1 Homo sapiens (human) calcium channel, voltage-dependent,
GUAGAGGGUCUGACCUUGACCUCAAUAGCGGACUAAACGACCUCGGCUCCGCCAAGACCGCGUCG
AAGACAAGGACGUCGUCCGCUUCCGACAGGUCAAACUGCCCCGACCCUUAC

>EMBL_CDS:BAD92392 BAD92392.1 Homo sapiens (human) serine/threonine kinase 23 variant
GGUGUGUGUCGUUCUACAAGAGCCCGAACUACAGGCACACCUACUAGAACGUGAACCACACC

>EMBL_CDS:BAD92189 BAD92189.1 Homo sapiens (human) colony stimulating factor 1 isoform a

GACCCCCCACACUAAGGUCAGGACCGGUCACCCGGAGUGCCCCGGGUGGGACCCGUUCCGACAUGGUCAAUGUAGACGGCC

>EMBL_CDS:BAD92109 BAD92109.1 Homo sapiens (human) SUMO-1 activating enzyme subunit 2

UGAAAAAGGCCCCGUAGUGGUUGUUGAAGUUUAAGUUGCAGGAAAGGAUCCAGAAGUGAUACUUCCUACAACUAGUUAUUUCAUAUCAGGACCUCCUUCA

>EMBL_CDS:BAD92020 BAD92020.1 Homo sapiens (human) Oviduct-specific glycoprotein

CCCAGUGUCUGACUACUGGGUGUCCCCAGUCCCAGAAAAGGGGUCCCCAGUGUCUGACUAUUGGGUGUCUCCAGUCCCAGAAGACAGGUCACCAGUGUCUAACUACUGGGUGUCCCCAGUCCCGGAAGAGAGGUCCCCAGUACCUGACUACUGGG

>EMBL_CDS:BAD92212 BAD92212.1 Homo sapiens (human) nuclear transcription factor Y,

GACUAUGUCCGACCCGAUUCGCCUAUAUGACGUCGACCGGCCGUAAGUCGACGUGGCCCUAGACGACCUAGAGAGGACACAAUC

>EMBL_CDS:BAD92489 BAD92489.1 Homo sapiens (human) chapsyn-110 variant

GUUGUUCGUACACGAAACCUUAACCACUCAUGGAAGGACCUCUCUACCCACCGUCCCUCCAAAAUAUAAGAUUUCACGGUAACAAC

>EMBL_CDS:BAD92053 BAD92053.1 Homo sapiens (human) calpastatin isoform a variant

CGACAUCCGCUGGGUGUCCACUUCAGUCUACUGUUCCGCAGAUAUCGUAGUAGACCGGGAUACCCAAAUCGGUUAUCA

>EMBL_CDS:BAD92377 BAD92377.1 Homo sapiens (human) son of sevenless homolog 1 variant

GUCUCACUCCAACCACCAUACAGCUUAGUAAAAGUCUUCUAAUCCUCUCAAUUAAAGAAACAGAAGAAAACAGGUGUGUGAAGGUUGAUUAAGAC

>EMBL_CDS:BAD92110 BAD92110.1 Homo sapiens (human) PUPL1-associated RhoGAP 1 variant

CUCAGUCACAAGAAAUUGUCGUGCAACAGAUCAAGAUUUCCCCUUUUUAAAGGAAAAAGUGACCUACUCAGGUGACUAAG

>EMBL_CDS:BAD92177 BAD92177.1 Homo sapiens (human) hypothetical protein DKFZp434B216

GUCUUCUAUUUAUGACUCCACCUUUUCAACUUCGAGGUUUCCGGUACAGAAGUCAUAUAUAAAAGAC

>EMBL_CDS:BAD92356 BAD92356.1 Homo sapiens (human) eukaryotic translation initiation

AUCCGAAGGUCCUAAGACCAAAUUUACCUUUACAUUGGGGUAGUGGUCUUGAUAGACACCUCGGAC

>EMBL_CDS:BAD92300 BAD92300.1 Homo sapiens (human) Polyhomeotic-like protein 1 variant

GAUAGACCCCGGCUCUCGACGGGGGACUCGAUCUUGAGGGUAACCACCUUAACCUCAAGACGAGCGAGAGUCAGAGGUACUAUC

>EMBL_CDS:BAD92412 BAD92412.1 Homo sapiens (human) collagen, type V,

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alpha 3
GUUACACCGGGAAAAGGGGGAACCCCGGUCACAGAGGGAAGUCGGGACCCUCCGGUCUCCCGGGG
UCCCCCGGUCCUCCCGGGUAGAC
>EMBL_CDS:BAD92396 BAD92396.1 Homo sapiens (human) Uhyroglobulin
precursor variant
UGGUACAUCGUCGUCGGAGCUGCGCCCGUAGACUCAGGAGCGGUGGGUCUCUUAAGACGUCACGG
ACCAUUUUCCGACAAAACGAUGACCA
>EMBL_CDS:BAD92334 BAD92334.1 Homo sapiens (human) KIAA0367 protein
variant
AAUCAACAAACGUAAAGGAUAAAGACUCAAAGGGUGAACCACACACAAAUAAUUCACUCGAUCGU
CUUCACUGAACUACAUUCGUUCACU
>EMBL_CDS:BAD92066 BAD92066.1 Homo sapiens (human)
G2/mitotic-specific cyclin F variant
CAGGUCCCCAACGUCCCUAGACCCACAGGUCGCGGUCACGGACACCCAGGACCCCAGGGAACAGG
AGACCUG
>EMBL_CDS:BAD92357 BAD92357.1 Homo sapiens (human) AUP-binding
cassette, sub-family C,
CCUGGACAUUAUACCAAGGAGGUCGACUGUAGGUUUUUCCUACAAAAGAGCCUCUCUUAGUAAGA
CUUAGG
>EMBL_CDS:BAD92101 BAD92101.1 Homo sapiens (human) flightless I
homolog variant
GCGACCCACGAGGCGUCCACGUCCCAGACGUCCCGGCAGUAGCGACCCUCGACGGCCUCGACACG
UACGUCGUCCCCCAAAGGUAACUCGUGCUCGCAGACGUCCACGUGGUCCGCCGCGUAGACGC
>EMBL_CDS:AAC04305 AAC04305.1 Homo sapiens (human) R29144_1
UGUCGCUGUAGUGGUGGUGGUCGUCGUGCAUCAACAGGUCCUACCCCAGACCGAGACGGCACCCC
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CCGCCGACA
>EMBL_CDS:AAC24313 AAC24313.1 Homo sapiens (human) Unknown gene
product
CCCUACAACACUCCCUCGUACUCCUACGACUCCCGGGCCCCGGUCACGAGUUACAUACCCUAGUC
GUAAGAGUCAGACCAAAGGUGACGUAGGG
>EMBL_CDS:AAS07423 AAS07423.1 Homo sapiens (human) unknown
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UCCUCUCGGACCACCGACGACAACCCACCGAAAGGGA
>EMBL_CDS:AAC07983 AAC07983.1 Homo sapiens (human) P1.11659_4
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CAUCCUAUCACAACCUCAGGAA
>EMBL_CDS:AAS07390 AAS07390.1 Homo sapiens (human) unknown
GGGACUAUAAGUCCUACUACCACUCGUCCACGACCCCGUCCUCCACCACCAAGAGAUCGUGGACU
UAAACUCAGUAGGACUUAUCCC
>EMBL_CDS:AAC08453 AAC08453.1 Homo sapiens (human) KIAA0324
AGGUCUAAAGUUGUAUCCUGAGCGACUCUUGAGUGGAGAUAGAACAGAAUAACCUCUAGACCU
>EMBL_CDS:AAB94785 AAB94785.1 Homo sapiens (human) pNORF1
ACGUAGGACAGUUUCCUCCAGCUGAAGGUGUGUUUUAGGUGGACCUUCAACACUCAGUGGAGGUG
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UCCACGU
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CCGGAGAAAGUCCACCAGA
>EMBL_CDS:AAC15789 AAC15789.1 Homo sapiens (human) Notch 3
GUCCUGGGCCCGAUCCUGCCGUGACCGGAGGUACGACCGUACCGACCCUGAGCGUCCCUCUGUCC
UGUCAGACUGUCGCUCCUGGACUCUUCGGUCGUACUGUUUCCGUUGCCUUUGGAGGCGGACCCAG
GAC
>EMBL_CDS:AAC08455 AAC08455.1 Homo sapiens (human) R30385_2
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GUAAGGACUAUAAGUGU
>EMBL_CDS:AAC08447 AAC08447.1 Homo sapiens (human) CBP
CCCAAACACCGGGGGUCCCUUCAGCCUUCUCGACUAAGACUUUAGUUCAAACCCCCGACGACUAG
A
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GAGG
>EMBL_CDS:BAG51223 BAG51223.1 Homo sapiens (human) hypothetical protein
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AGAC
>EMBL_CDS:BAB70820 BAB70820.1 Homo sapiens (human) hypothetical protein
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>EMBL_CDS:BAA92130 BAA92130.1 Homo sapiens (human) hypothetical protein
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>EMBL_CDS:BAG54675 BAG54675.1 Homo sapiens (human) hypothetical protein
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>EMBL_CDS:BAD18708 BAD18708.1 Homo sapiens (human) FLJ00261 protein
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>EMBL_CDS:BAC11282 BAC11282.1 Homo sapiens (human) hypothetical protein
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>EMBL_CDS:BAC05039 BAC05039.1 Homo sapiens (human) hypothetical
protein
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>EMBL_CDS:BAB15527 BAB15527.1 Homo sapiens (human) hypothetical
protein
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>EMBL_CDS:BAB15113 BAB15113.1 Homo sapiens (human) hypothetical
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CAUCGGGGU
>EMBL_CDS:BAG53044 BAG53044.1 Homo sapiens (human) hypothetical
protein
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UAACAAAGUACUUACCUGACAAG
>EMBL_CDS:BAC04529 BAC04529.1 Homo sapiens (human) hypothetical
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protein
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>EMBL_CDS:BAD96865 BAD96865.1 Homo sapiens (human) solute carrier
family 27 (fatty acid
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CUGUCACU
>EMBL_CDS:BAD96221 BAD96221.1 Homo sapiens (human) hypothetical
protein FLJ11848
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>EMBL_CDS:BAD97219 BAD97219.1 Homo sapiens (human) monoamine oxidase
A variant
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GCGAGUGAACUGGUC

>EMBL_CDS:BAD97254 BAD97254.1 Homo sapiens (human) tektin 3 variant

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>EMBL_CDS:BAD96196 BAD96196.1 Homo sapiens (human) aspartyl-tRNA synthetase variant

AACCCAGUCCGUACCAUAUCUUUCCAGAAUGUCGGUUACCUAUAAAUAGUUCUUAUAUUUUUAGACAUAGUAUGAAAAGGAAAUGGUUUACUGGGUU

>EMBL_CDS:BAD97122 BAD97122.1 Homo sapiens (human) sarcosine dehydrogenase variant

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>EMBL_CDS:BAD96931 BAD96931.1 Homo sapiens (human) carbohydrate (chondroitin 4)

GUCGACGACGGAGGUCCGGUCCCCCUAGAACCGCUUGGUCAGGAGGAGGGUCGACGACCGCCAGGACAAGGCCAUCGAGCCCCCCUUCGCCUCGACGGCCAGGUGGACCUCAUCGACGUCGUCGAC

>EMBL_CDS:BAD96995 BAD96995.1 Homo sapiens (human) AU rich interactive domain 1A

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>EMBL_CDS:BAD97289 BAD97289.1 Homo sapiens (human) Na+/K+-AUPase alpha 3 subunit variant

CCCCCGUGGGAAGUAGUGGUCGUCCAUAGCCAACAGCAACCCCAGGAGCCAGAGUACCUACCUCUCGACCAUAAACAACCACCUUAACUUCCCUUAGAG

>EMBL_CDS:BAD96814 BAD96814.1 Homo sapiens (human) aminopeptidase-like 1 variant

GUAGACCCCACACCGACUCCUGCCGGUCCCGACCCCCUACGUCCCGCCGAAACGGUUGGGGUAUCUAAGGAGGUUUAGGAGAGCAGAAGUCAAGGAGUAGGGCCUAC

>EMBL_CDS:BAD97332 BAD97332.1 Homo sapiens (human) pinin, desmosome associated protein

CCGACCCUGACCUCAUGACCAACCCUGACCCUAACUUCGACUUCGACCCCGACUCUGACUCCGACUCCAACUCGGUGUCCGAGUCCAACCCCGAGUCUAAGAAAAAGAAGAAAAAGGAGUCUGAGGAAAAGGUACAG

>EMBL_CDS:BAD96423 BAD96423.1 Homo sapiens (human) calcium/calmodulin-dependent

CAACCGUCUGGGUGCCCACGAAGUCCCGGAGUACCCGACACUACGCGAACCGUCCCAACUACCAGUCG

>EMBL_CDS:BAD96332 BAD96332.1 Homo sapiens (human) PHD finger protein 10 isoform a

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>EMBL_CDS:BAD97166 BAD97166.1 Homo sapiens (human) piggyBac transposable element

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CUCAACGUGUGGACGAGGGUCC
>EMBL_CDS:BAD97228 BAD97228.1 Homo sapiens (human) phosphoserine phosphatase variant
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GACCUCCCGACC
>EMBL_CDS:BAD96811 BAD96811.1 Homo sapiens (human) galactosidase, beta 1 variant
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>EMBL_CDS:BAD96436 BAD96436.1 Homo sapiens (human) RNA binding motif protein 28 variant
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UUGACCCG
>EMBL_CDS:BAD96821 BAD96821.1 Homo sapiens (human) carcinoembryonic antigen-related cell
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CCUAGGUGAUAAUAAGUGUCA
>EMBL_CDS:BAD96726 BAD96726.1 Homo sapiens (human) 2',5'-oligoadenylate synthetase 1,
ACCCCAAAAAUUUCAGUAUUAUGAAACAGGUCAUCUACGUCUCAACGACCAUCAAAUACUGAUUA
AGGU
>EMBL_CDS:BAD97042 BAD97042.1 Homo sapiens (human) splicing factor 3b, subunit 4 variant
CUGUAGGGACCUACCCCGUAGGGUGGGCCACCCUUACCCACUCCUACACUCACAGGUACUGGUCC
UACAG
>EMBL_CDS:BAD97300 BAD97300.1 Homo sapiens (human) DKFZP586B1621 protein variant
GAGGACCUAACGAGACCGGCGUGCCGACACCCACCACGGUGUCAGCGGCAGUGGUCGUCGGGCCA
GGUCCCGUAAGUCCAC
>EMBL_CDS:BAD97305 BAD97305.1 Homo sapiens (human) glycine amidinotransferase
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AAACAUUGGACCGAAGAGACACGUUUUUAUAGAGAA
>EMBL_CDS:BAD96710 BAD96710.1 Homo sapiens (human) RAN binding protein 3 isoform
AGAGACAGUCUUAGAAGAGGCGGAAGUCCUGACCUCGGCGGUCGACUGGAGGGACGGUCAAGAGC
GCCUUUUCCUCCUUCGACCCGAAGUCCUCGCCCUCCGCCUCCUCACGACCGACUCC
>EMBL_CDS:BAD96976 BAD96976.1 Homo sapiens (human) nibrin variant
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GGUAUCACUCAGAAGGAACUCAA
>EMBL_CDS:BAD96686 BAD96686.1 Homo sapiens (human) PDZ and LIM domain 3 variant
ACCUGAGACAGGGUUUCGGCAGUUAUCGGUCCUACUGUAGAGGUCCUGUGUCCAACCGUCGACGG
CGGAACGAAGGACCACAUUAGGACCACUACUGGUUUCCGACCAACUUCAGAU
>EMBL_CDS:BAD96624 BAD96624.1 Homo sapiens (human) connector enhancer

of kinase

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>EMBL_CDS:BAD97292 BAD97292.1 Homo sapiens (human) inositol hexaphosphate kinase 3

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>EMBL_CDS:BAD97230 BAD97230.1 Homo sapiens (human) cytochrome P450, family 2,

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>EMBL_CDS:BAD97047 BAD97047.1 Homo sapiens (human) integral membrane protein 2A

AGGACCCACCGUUGAGCCUCGAGGAACGGCCAGUCAUAGACUCAAGACUGGCACGCCGAGUCCU

>EMBL_CDS:BAD97004 BAD97004.1 Homo sapiens (human) mutS homolog 2 variant

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>EMBL_CDS:BAD96438 BAD96438.1 Homo sapiens (human) fibroblast growth factor receptor 1

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>EMBL_CDS:BAF82658 BAF82658.1 Homo sapiens (human) hypothetical protein

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>EMBL_CDS:BAF83734 BAF83734.1 Homo sapiens (human) hypothetical protein

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>EMBL_CDS:BAF83800 BAF83800.1 Homo sapiens (human) hypothetical protein

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>EMBL_CDS:BAF83741 BAF83741.1 Homo sapiens (human) hypothetical protein

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>EMBL_CDS:BAF82320 BAF82320.1 Homo sapiens (human) hypothetical protein

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>EMBL_CDS:BAF83693 BAF83693.1 Homo sapiens (human) hypothetical

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protein
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CCACC
>EMBL_CDS:BAF82652 BAF82652.1 Homo sapiens (human) hypothetical
protein
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protein
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CAA
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protein
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protein
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>EMBL_CDS:BAF82282 BAF82282.1 Homo sapiens (human) hypothetical
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protein
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protein
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protein
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protein
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protein
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protein
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protein
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protein
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protein
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protein
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protein
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GAAGAGGUC
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protein
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GGGG
>EMBL_CDS:BAF83157 BAF83157.1 Homo sapiens (human) hypothetical
protein
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protein
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protein
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protein
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A
>EMBL_CDS:CAI22773 CAI22773.1 Homo sapiens (human) chromosome 1 open reading frame 32
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>EMBL_CDS:BAG37475 BAG37475.1 Homo sapiens (human) hypothetical
protein
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protein
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CAGACGCGAGAAA
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protein
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GAGUCA
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protein
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G
>EMBL_CDS:CAD92504 CAD92504.1 Homo sapiens (human) Fanconi anemia,
complementation
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protein
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UGACC
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B2 (CRYBB2)
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protein
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protein
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protein
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protein
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G
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CGAACUACCUCAGCCGGGCGACCGACGUCG
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protein 33B
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protein
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homolog
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protein
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protein
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member 4A (KIF4A)
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GUCAUAAUUGUUGUCCAAACAAGGAC
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CUU
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(UUBB4) pseudogene
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GAACCG
>EMBL_CDS:CAI42047 CAI42047.1 Homo sapiens (human) collagen, type IV,
alpha 6
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CCCUCUGGUC
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(transcription factor 20
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GAGGGUCCGG
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myelocytomatosis viral oncogene
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protein
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GAUAU
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beta 1
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>EMBL_CDS:CAB51755 CAB51755.1 Homo sapiens (human) novel C2H2 type
Zinc Finger protein
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7
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CCUCGAGG
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pseudogene
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sterile alpha
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alpha 5 (Alport
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GACCUUCCGGCCCCAAGGGUCCUCCCG
>EMBL_CDS:CAI23620 CAI23620.1 Homo sapiens (human) poly(A) binding
protein, cytoplasmic
AUGUUUGUCGUCCUCAUAGACAUCAUCGUCAUCGCCGUUGACGUCCUACACGAGGAUAACAGACA
C
>EMBL_CDS:CAI43140 CAI43140.1 Homo sapiens (human) collagen, type IV,
alpha 6
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AGGACCAUUGGGUAAAGGACCCUCCGGUCCACCUGGUCCUACCGGA
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to part of
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CGUCGCGG
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UCUACCCCCAGG
>EMBL_CDS:CAB76865 CAB76865.1 Homo sapiens (human) ubiquitin-conjugating enzyme E2
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>EMBL_CDS:CAA21453 CAA21453.1 Homo sapiens (human) gamma-aminobutyric acid (GABA) B
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AGUCAACACUACACC
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CCUUAUUUUUCACCUUUCUCCUUCUCCUUUACCUCCUCCGAAGGAGGAGGAGGAGAAGACACCUU
AGGACACGUCUAAGA
>EMBL_CDS:CAI42433 CAI42433.1 Homo sapiens (human) dynein, axonemal, heavy chain 8
UUUUUGUGGUCUAGUUCUCUACAAGGAGAUUACUAAAGUAACUUGACAGAGACCAUUUUGACCUC
AAAAA
>EMBL_CDS:CAI19790 CAI19790.1 Homo sapiens (human) exocyst complex component 2
CUAAAAGAGGGGACUAACACUGGAAGCAGGUACCAUAGGGAAGUAAACCUCUCUACGGCCAGUGU
UCCCCCCCAACAG
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UCGCGUCGGUCCGUCGAGACCGGCUUGUCCAACAGGAACCUCGACCCGAACAACUUCCUCGGGUC
GCUCUCGCGCGGGUUAAAUGACCGGCUCCACGCGACCGACCCGA
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CCCAAGUGGUCCCAUUGGUCCUAGUGGUCCGUUUGGUCCUUAAGGACCAACCGGUAAAAGAGGUA
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>EMBL_CDS:CAI23555 CAI23555.1 Homo sapiens (human) cadherin, EGF LAG seven-pass G-type
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>EMBL_CDS:CAI42184 CAI42184.1 Homo sapiens (human) chromosome 20 open
reading frame 94
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nucleolar
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family 13
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CGCGG
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CCCH-type containing 12A
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receptor 112
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protein
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regulating factor 1
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GAA
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reading frame 94
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ACGCGAGCG
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alpha 3
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inducer-obliterator 1
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protein
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reading frame 134
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protein A2, 32kDa
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S4, X-linked
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voltage-gated channel,
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(FOXH1) pseudogene
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protein
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phosphoprotein (ARPP-19)
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family 2,
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CUCCAGGUCUUUCCUAUCUAAUC
>EMBL_CDS:CAI20272 CAI20272.1 Homo sapiens (human) arginase, type II
(ARG2) pseudogene
AGAGGAUCUAGUCUUAUGCGAUAUGAACCCCUCCUCUAUGUUCCAAACAGGUCCCUUUAGGACCU
UCAAGACCAUGGAAAGGGACAUCAAGACACUCCUCU
>EMBL_CDS:CAB81608 CAB81608.2 Homo sapiens (human) rearranged L-myc
fusion
UCUACUAAGGUUUAGACAAAGUCUUGAUGUAAGUAGGAAAAAUCCUACUGUCACACCAAAGAGUC
UCAAUGAUGACCCUAGUGGA
>EMBL_CDS:CAI43017 CAI43017.1 Homo sapiens (human) transient receptor
potential cation
CCCCGACCCCUACUACAACUUUCCUCCACCGUUCCACGGUGGAAGUAGUUUCAUUGAGUAGGUCU
CGAAG
>EMBL_CDS:CAB43293 CAB43293.1 Homo sapiens (human) hypothetical
protein
CGCCGACGGCUGAGUCGGUCCCUGAGAAAGAGUCCCCACCGGAGGACCCUGCUCCUGAGUCUGGG
ACUGAGCCGUCGACG
>EMBL_CDS:CAB92770 CAB92770.1 Homo sapiens (human) glutathione
S-transferase A2
UUGAAGAAGUGACACCCGUCCAAUGACUAAGACCAAAAGUCCCGGAAGUCGUCUCCCUUCGACCU
UUAUUCCGAUCUCAGUUCGAGAAGGUGCAUCAUCUCUUCAA
>EMBL_CDS:CAB45747 CAB45747.2 Homo sapiens (human) hypothetical
protein
AACGAAGUUCUCCACCUCCUCGAACACACCCUUGGGGUGGUUCACAGACAUUUAUACCUUCGUC
>EMBL_CDS:CAB65797 CAB65797.1 Homo sapiens (human) olfactory receptor,
family 5,
CUUUCUUCUACCACUUAUCAUUUUUGACGUUAAGUAAAUCCAACCUCUUAGGGUUCUACUACUUA
AGUCAAUAUCGACAAACUAAGAAAGAAAG
>EMBL_CDS:CAI22044 CAI22044.1 Homo sapiens (human) dystonin
UGAUAGUCACAGACAAGGACACAAUAAGACGACUAGUAAGUCGUCACUGCAAAGUAUCAGUGAUC
GUGACUACCA
>EMBL_CDS:CAI23037 CAI23037.1 Homo sapiens (human) E1A binding
protein p300
CCGGACGACGGAAUGGGACCCUGUGUCCCGGUCGUCGAACUCAGGACCCGUUCAUCCCACCGUAC
GA
>EMBL_CDS:CAO03467 CAO03467.1 Homo sapiens (human) myo-inositol
oxygenase
```

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CUGGACUGCACAUCAAGGCCUUCGACCGGAACAGAAACCGGUGGAGACCCAGGUGUAGUCCAG
>EMBL_CDS:CAI43095 CAI43095.1 Homo sapiens (human) zinc finger protein 64 homolog
ACCGACCUCAACGCCGACCGCAUCCCCGUCUAGACCGUAAACUUCCCGGCGAGCAGGCUCACCUA
GGAGUCCACGAACAACUCCGACGACGACAGCCGUCGCCGCAUCAGU
>EMBL_CDS:CAI22113 CAI22113.1 Homo sapiens (human) sex comb on midleg homolog 1
UCGACAGAACCUACCCCGUCUCUACCCUACCCUUUAAUCCCAGAACCCACAGGCCGGGGCGAAGA
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>EMBL_CDS:CAI43016 CAI43016.2 Homo sapiens (human) chromosome X open reading frame 45
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AAGUAA
>EMBL_CDS:CAI19918 CAI19918.1 Homo sapiens (human) KH domain containing, RNA binding,
CCACCACCCCCUCCUCCUUACCGUGGGGGUGCCGGGGAACUUCCUCGACACCCUCGAUAAGACUA
GGGAGACGGAGA
>EMBL_CDS:CAC33877 CAC33877.1 Homo sapiens (human) zinc finger, NFX1-type containing 1
CAACUUCAAGAACCGGUCUAGUAUGUGCAACCGUGACCCCGCGUCGACGACCACCAGGGGUUAGU
UUUACUCCACGACCGUUCGAAACGAGUUACACCGUUACCAUACCCGGAGUUCCUGAAGGCG
>EMBL_CDS:CAB88112 CAB88112.1 Homo sapiens (human) chromosome 6 open reading frame 72
UCUAUGACCGAUCACCAAACGUCACUUGAUUGUGAAAGAAAAAACCUCUCCAAUCCUUCCCAUUU
AUUUUACAGUGACAGA
>EMBL_CDS:CAB59178 CAB59178.1 Homo sapiens (human) hypothetical protein
CUAGGGACCCGAGGACUCUCGGUGACCCGACCCCAACCUGUACUCGUACAGGGAAGAAUUGGGCC
GGGAAGAAUGAGUCGAACCGGACCCCAG
>EMBL_CDS:CAI19914 CAI19914.2 Homo sapiens (human) soluble adenylyl cyclase (SAC)
GAAGAACAUCGGAUUGAAACAGAAGAAGAGAAACCAAGGUAGUUACUACAGCUAUCUCCUUCCGU
AAUUAUACCCGAGUCGUCCUUC
>EMBL_CDS:CAB55978 CAB55978.1 Homo sapiens (human) hypothetical protein
UGCUUAUUUAGAAAUUGAAGAUCUCCACCCAACGUGAAAAGAUCUACAUCUAAAUAGGUAGCA
>EMBL_CDS:CAI40128 CAI40128.1 Homo sapiens (human) actin filament associated protein
ACAUUCACAACCCGAGACUCUUGAAAGAGACGUAGUCAUUCUCUCUCAAAAACCGGCGUGAGUGU
>EMBL_CDS:CAB55985 CAB55985.3 Homo sapiens (human) hypothetical protein
GACCGUGACCAUCGUCCCCAUCCCCUCCGUGGUGUCCUGAGAAGGGGUCGUCGACGGAGACGAAA
GAGGCCCGGUC
>EMBL_CDS:CAB96723 CAB96723.2 Homo sapiens (human) CD83 molecule
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AGUCCCUUAUCCCGGAAAGUAACCCCCGCAGCUUUCUUGGUAAAACGGGGAAGACUACUAUCACGACAGGGGACU

>EMBL_CDS:CAI22736 CAI22736.1 Homo sapiens (human) sperm associated antigen 17

UCUUUAGAGACCAAAACCUUCUGAUCCGUGUGAACUCCUAAAGACAAGACUUUGGAAUACACCGAACUUUAGAUCUAAUUCUAGUCUACAUAGA

>EMBL_CDS:CAB55920 CAB55920.1 Homo sapiens (human) hypothetical protein

GGGUCCCCCACCGUACGGGUGGACCUUCCGGACGUGCAUGUCGUCCUACGACUCCCGACCCCGGAAGAGACCGAGUCGGUAGAAAACCC

>EMBL_CDS:CAH10712 CAH10712.1 Homo sapiens (human) hypothetical protein

GAACCGGUUCUAUAUGAGGGAACGUCACCGGUCCGACGAGGAAACGACUCGGUAUCUGGUGACGAACAUCCAUAACCGGUCC

>EMBL_CDS:CAI19330 CAI19330.1 Homo sapiens (human) chromosome 20 open reading frame 32

UACCCCCCGUGCCGGACAGACGUCGCUGGAGGCACUCCUAAACCUCCGCCAACCGUCCCCGGUCCGGAACGGAGGGUA

>EMBL_CDS:CAB57341 CAB57341.1 Homo sapiens (human) hypothetical protein

CCCGCGACUCCUGUCUACCCGACUGUAUCUUCGGUACCAAUCCUAGACCGCACAUGAGCCAGGUGAAGUCGUCGCGGG

>EMBL_CDS:CAI21960 CAI21960.1 Homo sapiens (human) fatty acid amide hydrolase

CACAUCGACUGCCGGGGACACCGGGACGGACCCCGUAAGUUCAGGUCUCGUCCCCGGUCGUACCCCCAGUCGUGGUG

>EMBL_CDS:CAB56033 CAB56033.1 Homo sapiens (human) hypothetical protein

GGUCCAUACCCCGACAACCCGGACCAAGUCCCCUGGGAUGAGGGGCCGGGGAAUCGGGUAGACC

>EMBL_CDS:CAH72269 CAH72269.1 Homo sapiens (human) chromosome 20 open reading frame 59

CUACCCGUACGACCUCGCCCGCGUCAUGUCUUCCGUACACGGGUCGUCGUCGCAGGGGCAG

>EMBL_CDS:CAB81623 CAB81623.1 Homo sapiens (human) novel protein

AACCGAAAAAGUGAGUCGUUUGAGCACUCUGACCCCUCCAGGUCCCGCGGACCUAACGAAUCACGGAGAAGAAAGAGAUCCCGACUCGACACUUUUCCGACC

>EMBL_CDS:CAM28319 CAM28319.1 Homo sapiens (human) bone morphogenetic protein 7

CUCCCAUGCCGACAGCUCGUCCUUCUCUAGGCUAAGGGACGGUACAGGAGAGGAGACGACCUUGCACUCGAAGGUCUCCCGUCCCUGAGCACAGACCAAGCAAGACCAGCUACGGGAG

>EMBL_CDS:CAI12515 CAI12515.1 Homo sapiens (human) golgi-specific brefeldin A resistance

AGUCAUUCCAGAAGGAACCUUCACCAAACCCUCCUCUUAAGGUCCGGUGACAGACAUCUCCCUGACUGGUGACGACU

>EMBL_CDS:CAI22343 CAI22343.1 Homo sapiens (human) chromosome 1 open

reading frame 164

ACACGUCCCCUACUGUAGUCGGAGACACAUAACACCGAAGGGUAUGAGGUCUCACAGUAGGGGUAGGUGU

>EMBL_CDS:CAC44024 CAC44024.1 Homo sapiens (human) SLC2A4 regulator

CCGUCACCCCCACUGCCCCACCUGCCUCUCCUGACCAGUGACCGGUCCAGGGUAGGGGUCAGAGGUGACAACGACGACGACGA

>EMBL_CDS:CAB55896 CAB55896.1 Homo sapiens (human) hypothetical protein

CCGUGGGAACCUCCUCAGACGUCCUCACUCCCCGGAGACGACGAGAGACUCCGACAGUCGCGAACGUCCCUCCUCACCUCCGAGAGUGUUUACCCAGACCGAGAAGGUCACGG

>EMBL_CDS:CAI15269 CAI15269.1 Homo sapiens (human) immunoglobulin superfamily, member 8

CCGGCCCUUGCCCGUGACCGACGAAGUGCUUCGGCCCAGGGUCUGGGAGCUUGUAUCCGAAACCGCUCCGUCGCCAUCCACGGGCGUAGUGGUCCGG

>EMBL_CDS:CAI14947 CAI14947.1 Homo sapiens (human) zinc finger protein 37A

UCCAGAAGGGUGUAAGUACUGUAAGUAUCCCAAAAGGGGGACACACACAAGAGACUACAGAACACACCCGACUGAA

>EMBL_CDS:CAQ09650 CAQ09650.1 Homo sapiens (human) poly(A)-binding protein pseudogene

CACCAUUCAUUGGACUUCCUCUCCACAGGACAUCUUUAACGUCCCACCUGUGUGGAGAGUGAAGACAAUAAAAGACG

>EMBL_CDS:CAQ10609 CAQ10609.1 Homo sapiens (human) par-6 partitioning defective 6

UCAAACCAAGUUAGACGACACCAAUCCGUUCUUCCGAUAAUAGUCGUCUAACCGACCUCGA

>EMBL_CDS:CAI17853 CAI17853.1 Homo sapiens (human) hemicentin 1

CUUCAUAACUCGUCAUGUAUCCAUCCAUAAGGAACGUGACCAGACGACUGACAAAAAAACUUCAGGUCCCACCCGAAAGCUCUUUUCGGUCGAGCCUUUAGUUAUCAUGACUCCGGUCAUUACGCUUGUCUCACGGAAGGUGACGAACUCCAGAAG

>EMBL_CDS:CAB99331 CAB99331.2 Homo sapiens (human) collagen type XIX alpha 1

CCCCUUGGCACUUGUGGACCUUCAGGAGAAAGUGGGAAACCGGGUGCACCUGGUCCACGAGGUCCUAAAGGUAGAUUAGGACCAAGGGG

>EMBL_CDS:CAM13070 CAM13070.1 Homo sapiens (human) shroom family member 4

CGGAGUAACUCACCCAACCUUAGGUGCGACCUUCGAGACAGUGUCCGAAAACCCCUAGGUUGUCGAAACCAACUCCG

>EMBL_CDS:CAI16056 CAI16056.1 Homo sapiens (human) chromosome 9 open reading frame

AAGUAAAUUUCCAUCGUGUAAUCCGUUACGAAGUUAUCAUCCGAAGUUUCACGAUGAAAAAUUCCUU

>EMBL_CDS:CAI23423 CAI23423.1 Homo sapiens (human) leucine rich repeat containing 7

GACUCUACUAAAGAAGAAGUGGAGCCUUUGUAGCCGUACCGUGGUCUGCCGGCUACUAAAAGGCA

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AACCACCAGUAGAGGUC
>EMBL_CDS:CAH61508 CAH61508.1 Homo sapiens (human) ribosomal protein
L12 pseudogene 3
CACGAAUUACACGAAGACGAAAAGAGACAGACUCACCAGGAAACUGUCGAAACUACCAGUUCCGU
CUCCGUCUUCCAUG
>EMBL_CDS:CAI22170 CAI22170.1 Homo sapiens (human) chloride channel,
calcium
GACACUUGACGAACCACAUACCAAGUAGAGAUGGACCCUCACAUCCACCACGUUGAUAUUGUAGU
CGUACAAAUACC
>EMBL_CDS:CAC35071 CAC35071.1 Homo sapiens (human) novel protein
similar to serine
UAGUCGGGAUAGCAAUAGUUUAGGACUCUUCACCUAGUAAGGUGGUCCGUAAAAGAACUAGCAAC
CCGACUA
>EMBL_CDS:CAB55911 CAB55911.1 Homo sapiens (human) hypothetical
protein
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GAACUCUAGCUCUAGCCCCUCUUACAGCCGCAGAUAGGGACCUGGCUCUAGCUCUU
>EMBL_CDS:CAQ07060 CAQ07060.1 Homo sapiens (human) staufen RNA
binding protein homolog
GCCGGAACUGAUAACAAAAUCCCGCAAAAAAUUUUUUAUUAAAACGGAAAAGGUGGUGUCCUUCU
CCACCUUCAAAAAAUUCGAGGACAUUCUGCCACCAACGUCGUGC
>EMBL_CDS:CAH70743 CAH70743.2 Homo sapiens (human) centlein,
centrosomal protein
GCCCUCUUUGGGAACAACCGUCUAUACAAAAGACUGUCAAAAAGUAAACGAUAGAAAUCAAAGAG
GAC
>EMBL_CDS:CAC40711 CAC40711.1 Homo sapiens (human) 1060P11.4.4
(killer cell
AGUGAGCCCAGACUGGUGAGCAUCCCUCUAGGUACCUUUCUCGGCUUCGUAGACAUCCAGAGAGG
CACCCACCGUCCUGGGUCUCCCU
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factor guanine
CCCACCUUAGGUCCGCGAGGAGGACCACGUCCUUAACCCGAUACAGAAGUUGACUGCAAGGGUCG
UACGGGACGAGGACCUCUUUGACCUAGGGGG
>EMBL_CDS:CAH71770 CAH71770.1 Homo sapiens (human) transcription
factor 7-like 2
CCUCCUCGACAAAACUAAGCAAAGACUAAGUAACUGAUCUCUGCUAAACUGUAGUCGAUUUAGG
>EMBL_CDS:CAI14921 CAI14921.1 Homo sapiens (human) zinc finger, CCHC
domain containing 6
CGACAACAUUAUCCAUUCUACAAAGAGUCUGGACUUACAAAAGACUCCUGAGAACGAUUAAGAAG
UUAUCA
>EMBL_CDS:CAI19272 CAI19272.1 Homo sapiens (human) ubiquitin protein
ligase E3 component
GGAACAACCAGGACGACGUCCGAGUCCCGUUACCGAUCAAGUUGGUACCAGAGCAGUAGACGUAG
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8
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alpha 1
CAGUCGUAACAUCCGUCGAACGAAAAGAAAAAAAUCCCACAGAAGACUUUUUCUUCAACGUCGCU
ACGACCG
>EMBL_CDS:CAI20000 CAI20000.2 Homo sapiens (human) chromosome 6 open
reading frame 170
ACAGAAACCGUCAAAAGAUAGGUAAGUCAAACAAAUAGUCUAUAAAACUCCGUAUUAUUUUCGAA
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UACCUAUACUACUUUUGUAACCGGUUCCUAU
>EMBL_CDS:CAB70833 CAB70833.1 Homo sapiens (human) hypothetical
protein
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regulator
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CCAU
>EMBL_CDS:CAB70855 CAB70855.1 Homo sapiens (human) hypothetical
protein
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>EMBL_CDS:CAB63722 CAB63722.1 Homo sapiens (human) hypothetical
protein
ACCCGGGUUCCUGUCACGAAUGUCACCGCUCCCCAGUCCUACAGUGAACGAGAAGCGGGACGGAG
ACCGACUAGGACCCCUGGGC
>EMBL_CDS:CAI39480 CAI39480.1 Homo sapiens (human) LIM domain 7
AACACUAGCGGAAAAAUUCAAAAAGUUUCUUUACCUAAGUCUACGAAAACUAAGUUUUCGUAACG
AAAGUAGUACUUAAGGUAACUAAAGAAACCUAAGUUAUAAUCUUGAGACUUCCGAAAGCCUC
>EMBL_CDS:CAH73836 CAH73836.1 Homo sapiens (human) chromosome 10 open
reading frame 4
UCUCAAAGAUUCAUCUCUUAGAAGUCUAAAGAAACUUCUACUUACAGGAAAUAGAAAAAAGAACC
UCCGGAGAAGACGUCUUCUAUUAGACCUAAAAAAUACACUACUGAGA
>EMBL_CDS:CAH71682 CAH71682.2 Homo sapiens (human) chromosome 13 open
reading frame 18
GAGACAGGUCGAGGAACCGAAAGCGUAUGUCCGAAACCGGCUACGAGUCGUUUAACUUUUACCCG
ACCACGGUAUACGACAGCUCGUCGACAAACCUC
>EMBL_CDS:CAH73304 CAH73304.1 Homo sapiens (human) dachshund homolog
1 (Drosophila)
GGAGGAGGUCUCUCCCCCGUCCACUCCCCGAUAGUCCUUGUGCGAGGAAUUAUUGACUACAGAGU
UGAGACCUACCCCC
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>EMBL_CDS:CAI23362 CAI23362.1 Homo sapiens (human) zinc finger
protein 644
GAGAUGUUCGUAUACCGGAACCCUGUAAUUCUACCGCUUUCACUGAUAAGGGUAGAUUUACUAUG
UAGUAUACGGACACCUC
>EMBL_CDS:CAI20328 CAI20328.1 Homo sapiens (human) novel protein
containing CH (Calponin
ACGACUUAGGUUACUCCAUUUAAAGCUUUUUUUAGGAAAAACCGUAAAAGACUAACUAACUCGU
>EMBL_CDS:CAI12722 CAI12722.1 Homo sapiens (human) ash1 (absent,
small, or
ACGCUUCCUCUUAAACCGUUGUUUCAUCCUCCUCUAUUGGCGGAGGAGGGGAAACUCCGGAAGAA
GUAACGU
>EMBL_CDS:CAB66599 CAB66599.1 Homo sapiens (human) hypothetical
protein
UCCUGUCGGAAAAGAGGUAGAUUAAAACAAAACGGUAUGUUUAAAUCCCCUCGACCAUACAGAA
>EMBL_CDS:CAH70098 CAH70098.1 Homo sapiens (human) haloacid
dehalogenase-like
AUACGGACGGACUUCGGAACAAGGUCCCGACUCCCGAGGUGGAGGUCGGGUACCCGGGCCCGGAA
CCACCGUAU
>EMBL_CDS:CAQ10575 CAQ10575.1 Homo sapiens (human) capicua homolog
(Drosophila) (CIC)
GGGACUCCCCGGGUCCCGAGGAGGAGGUACCACCCUCCACUCGAAAAUGGUCCAAGGUGGUGGGG
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5
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UUCGACCUGACCCG
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protein
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acidic coiled-coil
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tyrosinase-related protein 1
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AAGU
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small, or
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UUUCCGAAUAAUGAU
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protein
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```

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CC
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interacting
GACAUCAGGGUCGAUGAACCCUCCGACUCCACCCUCCUAGUGACCUCGGGUCCCUCCAACCCCGA
CGUC
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UACACAGCCUCCUCUAAGCUGGCCCAA
>EMBL_CDS:CAI41479 CAI41479.1 Homo sapiens (human) ubiquitously
transcribed
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CAAUCUAUUCGGUAAAAAUGGAUCUAAGGACGUACGG
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nonsense mediated mRNA
GGACGUCGGGAUCCACCCCGGACGAGGGACGGGACCUUCGAUCUGUCUCCCUCUGUGUUUCGUCU
UCACCCCGUUACCCUACACGUCGGGGACGAAAACCCGACAUCC
>EMBL_CDS:CAH71353 CAH71353.1 Homo sapiens (human) calcium channel,
voltage-dependent,
GGUGUAGUAUGCCUCCUCACACGAGACAGAAGAAUUUCUUCCCGUAAGAAAAGAGAAACCUCACC
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protein
AAGAAAGGACGGGAGCCACCGUGCGACGUAGGCCGGCUACCAAACCAAGUCCUACCCCACCCGUG
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>EMBL_CDS:CAB70826 CAB70826.1 Homo sapiens (human) hypothetical
protein
CCAGAACCGUACCUCCUCUUCUCGACGACGUCCCGGAGAGCCCCCUCCCCAACCGGUUCAUCCGU
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GUUCCGG
>EMBL_CDS:CAI19076 CAI19076.1 Homo sapiens (human) DNA cross-link
repair 1B (PSO2
CUUUCCGUGACGGAACAAGGUAAGAAACGAUAUCUCUAGACCCUUGUUGACGAAGAACUAGGCGU
UUCCUACCACCCUUCCGACGAAAAG
>EMBL_CDS:CAI22995 CAI22995.1 Homo sapiens (human) dedicator of
cytokinesis 7
CUCCCAUAUACAUCUCUUCUAAAGACAUUCAUCACAAACCUUGUAUUUGUAGGGAACGCCCUUUG
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receptor, alpha
CGACGACAACACCGGCGACACAACAAACUCGACCCUCUACUUCGACGCCCGAGGGCGCAGCGGCC
GCCGGCCUCGUCGUCG
>EMBL_CDS:CAB66695 CAB66695.1 Homo sapiens (human) hypothetical
protein
CGCCCGAUAGACCCGGGCGUCCAUCAACCGGAGCAACGGGCCCUUCCCACCCAUCGACUGCUGAC
CGCACAGGUCCAUCGGACA
```

>EMBL_CDS:CAH72822 CAH72822.1 Homo sapiens (human) polycystic kidney disease 2-like 1

GACAUACGGCAGAGGACCCCAAGUAGAAGUCCGAAGAACCCAACCCCGACCUCUCCGGGGCACGACCUCUACCACGUC

>EMBL_CDS:CAH70925 CAH70925.1 Homo sapiens (human) v-abl Abelson murine leukemia viral

CCCACUCUAUUCCUGACCGUGAAACACCAACACUCACCAACCCUCCUGCCCCCGUCGGAACCGACCUCUUCCGGUCGGGCCGACGAGAGGUAGGAGACCUUGAGGUCGGUAGGGUUCAGCACGGGGUGGUAAGAAGAGAAAUGGG

>EMBL_CDS:CAI19765 CAI19765.1 Homo sapiens (human) small proline-rich protein 2C

GACGACUCCACCCGUCCCGACACCUGUGAAACCACCACCCGUCCCGAGUCCCGUGAAGUCCCCACCUGUACCGAGACCUGCGAAACCGUC

>EMBL_CDS:CAB66751 CAB66751.3 Homo sapiens (human) hypothetical protein

UACAUACAGUUGGUACUGACGUAAGACGACCCCACCUACUCGUCGUCCUACAUCGUCUGCCCCUCUAUGUA

>EMBL_CDS:CAI23384 CAI23384.1 Homo sapiens (human) chromosome 1 open reading frame 84

AAGGACAAGUCUGACUUCGUCGUAGAGGACCCCACACCGGACGUGUCAAACCACGUCUACUGACUCCUUGGUUCGGUCCGCUUGUAAAGCCCUCUAAGCUAUUAGGAAAAAGUAAUUGUCCUU

>EMBL_CDS:CAQ52599 CAQ52599.1 Homo sapiens (human) spastic ataxia of

GGAUUUUCUGAGUUUGUUGAGUUCUUGGAAGACGAAUAACAUCUCCAAUGAUGAUUCAACACUUCCAACAUCC

>EMBL_CDS:CAB66709 CAB66709.1 Homo sapiens (human) hypothetical protein

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>EMBL_CDS:CAB66530 CAB66530.1 Homo sapiens (human) hypothetical protein

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>EMBL_CDS:CAI20013 CAI20013.1 Homo sapiens (human) molybdenum cofactor synthesis 1

AGCGUCCACUAGGGCGUCCCUAUGGAGUCUCAAAGGUUUCUCCGUCUGGAACUCCAAGGGUAGUCGACACU

>EMBL_CDS:CAI16092 CAI16092.1 Homo sapiens (human) potassium channel, subfamily U,

ACGACUUAAGAGAAGAAACCAUUAUAAUUAUAUUUUCGUAUACAGACAUCUUAAGUAUUACAUAGCUCCUGGACCUAAGUCGU

>EMBL_CDS:CAI15169 CAI15169.1 Homo sapiens (human) POU class 2 homeobox 1

CGGACACGGACACGGACGACCUCAUCAUUGACAACGACCCGUCCGCAGUUUCAUUCGGGUCAAUAGACAGGAGGUCGAUCGUAUUCGACCCA

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>EMBL_CDS:CAB66825 CAB66825.1 Homo sapiens (human) hypothetical
protein
CCGCUCAAGUAGGUCCCUCGGCUUCCACCACCCCCGGCGCUCGAGGUUCCGACAGACCCUCUUGA
ACGG
>EMBL_CDS:CAC19507 CAC19507.1 Homo sapiens (human) novel protein
GUCGUAGAGGAGACGGACCCCUCUUCCAAAAGCCAUUUUCACGAAUUCGACAAGUAUCCCGUCUC
CCUCGACGAC
>EMBL_CDS:CAI22864 CAI22864.1 Homo sapiens (human) Fc receptor-like
5
UACCAUGGUAAAACAAAAGACACCACUCAUCUUCGCUUUAGGGAACGUUCACUCCCAGUGAGAGA
GAGGAACCUUCUGACACCAGGUA
>EMBL_CDS:CAI95133 CAI95133.1 Homo sapiens (human) novel protein
CGGUCCCGAAAGUCCAUCUCGAACCGGUUCCAGAGUCUGACUUUUUCGACCCCGACUACCUCGAG
GGUAAACUUCGGGUCCG
>EMBL_CDS:CAB63721 CAB63721.2 Homo sapiens (human) hypothetical
protein
GACCAUAAGGACUCACUCCACCCUCGCGACCCAGUGUGUCAUGUGCAUAGAGAGGUCCUGUAUGG
UC
>EMBL_CDS:CAI23448 CAI23448.2 Homo sapiens (human) hypothetical
protein
UCGUCCUGUGUACCAUCAUGAUGGUCUGGUCUACCCUACACAACACAACCGUAUAUCUAGAAAAG
AUUAUAUUCGUAGUGUAGAGUACCCACUGUACCUUCACGAUAGAACUCACGGUGACGA
>EMBL_CDS:CAB70899 CAB70899.1 Homo sapiens (human) hypothetical
protein
UACGCCGGAGCACGUCGCCGUCGGUCGGGAGGAACAACCCGAGACGCUCUAAGAAGGGAAGGAAC
UAGUACCAGAAGUUCCGGAGAAGUAGCGGUAGGAACUACCGGAAAUAGUUCCCCAGGCGUCCGCG
GUCGACCCUCCAGAACUUGUUCGACGACGACAUAAAGACGUA
>EMBL_CDS:CAH73567 CAH73567.1 Homo sapiens (human) A kinase (PRKA)
anchor protein 2
UCGCCCAUACGGGACGUCGUCGGUAAAGAGGGCUUCGUGAAACCUGAACCUUACGACGUCGUCUU
CAUAGACGA
>EMBL_CDS:CAI21524 CAI21524.1 Homo sapiens (human) RAE1 RNA export
1 homolog (S.
CAAAACAAGACCGUAGAAACAGGGUCUUCGACUUAGAUGGUAGUCUAGGGUGUCAACGUUCCCAC
GGUACUUGUCCUA
>EMBL_CDS:CAH73982 CAH73982.1 Homo sapiens (human) human
immunodeficiency virus type I
CGUCUCCCAGGCAAUGAGGAAGGUCUCAGAACAAGACACGACCCAUUGGAAGACCGUUUCCCUCA
ACCACCUGAGUGACA
>EMBL_CDS:CAB70832 CAB70832.2 Homo sapiens (human) hypothetical
protein
GUCGUCGCAGACAAGACACCUCGAGACCCGGACUAUCGCAAACGGCAACCACGGGUGCGUGGUGU
GAAGGGCGACCUCGUCCCCGACGAC
>EMBL_CDS:CAH71782 CAH71782.1 Homo sapiens (human) Nedd4 family
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interacting protein 2
GAGAAGGAGGACUUAAGAAACUCUACAAAGACGACGACGUCGACGGUAACGUCGUCGAAAUCGGA
AGAGUCGAAGUAGCAUACAUCCUUCUC
>EMBL_CDS:CAH70133 CAH70133.1 Homo sapiens (human) zinc finger,
MYM-type 2
ACCACACUCUCUCAUCUAGGAGAAAAUUGAAAUGACUAAAUCUUCUAAAAUUGAGUAGAUUAUGG
U
>EMBL_CDS:CAH72509 CAH72509.1 Homo sapiens (human) guanylate cyclase
type protein
CGCUGGAGGAGCCACAAACCAUCUGAACAAAGGUUUUCGGAAGCAGAGGUGCCGGAAAAGACAUC
CUCGACUCCCGUUACUCUUCGUCACUGGGUAUGUGGAAAACCUCCACG
>EMBL_CDS:CAB70719 CAB70719.1 Homo sapiens (human) hypothetical
protein
GUACCGCACCCUACCACACAGAACUCUAUCGUAUAGAUCCCUAACGUAUAGAACCCUACAGUACA
GUAC
>EMBL_CDS:CAC05478 CAC05478.1 Homo sapiens (human) progestin and
adipoQ receptor
CUUCUCCUAGACCUCCCACACCAUGGUCCGACGAACGAGGACCGUCGGUCGGUCCACUGUCUCGC
GGUGUGCCACACGGUGUCCCGACUACAGAUCCUAUUUUCGGUCUGGACGACCGUGGUGAACUGUC
UAGAAGGAG
>EMBL_CDS:CAB66731 CAB66731.1 Homo sapiens (human) hypothetical
protein
ACAAGAAGGGUGAGACCUUCAGAACUAAAAUUGACAAAUUUUAGUAUACCGACCCAGUAUUAUCC
UUCUUAU
>EMBL_CDS:CAH72176 CAH72176.1 Homo sapiens (human) novel pseudogene
CUCAUGUGUGUCGACCCACCUUCUCUUGUGUCAAGACCAGUAGACAAAGAACUGGUCCUGAAACA
GAAGGAAAAAACGCCACGAG
>EMBL_CDS:CAB66803 CAB66803.3 Homo sapiens (human) hypothetical
protein
GGAACUGGAGUCGAUGCUGCCUCCCGAACCGACUCCCCGCACCGGAGAAGACUCCGACCGAGAGA
CCCAAGAGGACGACCCUAGCUCC
>EMBL_CDS:CAB70673 CAB70673.1 Homo sapiens (human) hypothetical
protein
CGGUAAAAGAACUAAAUAUCUACUUACAAGUCGAAAGAAAAGUCCUCUUGGACUUACUCUUUACU
UUCCUUGUCUUGGUUUUCCUAGAAGACCUCCUACCA
>EMBL_CDS:CAI23454 CAI23454.2 Homo sapiens (human) hypothetical
protein
ACGCAGAUUCGUCGACGCCGCCCCGAUCUUGGCGUCACUCGAGGAGCGUCGACGACGACGCGU
>EMBL_CDS:CAI23380 CAI23380.1 Homo sapiens (human)
myeloproliferative leukemia virus
CGACCGAGGAGGGUCGACUAGACUUCAAGGGGACCGACCGAGGGUGGGUACCGGAACUACUAUGA
CCCCCCUCGGCCG
>EMBL_CDS:CAQ08768 CAQ08768.1 Homo sapiens (human) ribosomal protein
S26 (RPS26)
```

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CUCCAACCACCCGUCGUGGGUGUCCAGAUUUAGUCCCAACCCCACAAACCAGGAAUGGCCGAAG
>EMBL_CDS:CAB66720 CAB66720.1 Homo sapiens (human) hypothetical
protein
GUCUCCGUCCCGGUCCGAGGACCUCGACCCGGAACUGGGCCCUGAGGUGGAACAGCAUGAACCCA
CUCGCGGUGUCUCGAAAGUCCCCGGACCCGACCGGGAC
>EMBL_CDS:CAI16091 CAI16091.1 Homo sapiens (human) potassium channel,
subfamily U,
CAUCAUUUGGUAACCUUUGGUUGUCUAACGUAGGUCUUUUACGUAUAGACCGCCCAAUAGGUUAU
CGUCAUGAUA
>EMBL_CDS:CAH69976 CAH69976.1 Homo sapiens (human) muscle, skeletal,
receptor tyrosine
CGGCUCCGAAGAAGAAACUCGUAGAAAUGACGGUGGUAUCACUUUCCAAGUAUCCCUUCAUUCGG
ACCA
>EMBL_CDS:CAI22140 CAI22140.1 Homo sapiens (human) Rho guanine
nucleotide exchange
CCUAUACGGAGGCCUGGUGGACGACUCCCGAGUCCGGGAGACCGUACCCCGGGUCGAGACCCCGA
CCCCCGAACUACAGG
>EMBL_CDS:CAI41303 CAI41303.1 Homo sapiens (human) transmembrane
protein vezatin
CCUAUGACCUUAGUUCAUCGAGUCACUCGAGGUGUAGGAGAACUUUGUCCUGAAGGACAACGUCC
UACCAUACAUUACUCAACUCAGCCUUAGGUUAUAGG
>EMBL_CDS:CAM28254 CAM28254.1 Homo sapiens (human) RAE1 RNA export
1 homolog (S.
GGCCGUUCCAACCACCCGAUUUUCUGUCUGUUGGUUACGAUAGUAGUCCUCUACUACAAUGAAGU
UAUAGGAAGUACCCUAACACUAACAGACAUCAACGUGACGGUUUGUACGACC
>EMBL_CDS:CAI12437 CAI12437.1 Homo sapiens (human) ankyrin repeat and
sterile alpha
CUCCCCACACGAAGAAUCACAACGUCGAGUCCUCCAACCCCACACGUAAUUCCUCGUAAAAGUGG
UGGAG
>EMBL_CDS:CAI95134 CAI95134.1 Homo sapiens (human) transforming,
acidic coiled-coil
CGGCCGUGACCAACGACGGACGGAAGGACCCAAAGUAGUGUACGGAGACAGAGACCCCGUAGGAC
CCACCCACACUGAGGCCCCGACCGCCCGCGGUCCCGACCG
>EMBL_CDS:CAI22280 CAI22280.1 Homo sapiens (human) KIAA1324
CAACAGUGGGGUUAUUCAGCUAGUCGUUCCGACUGUCCGACACUCCUUUGGGGCCGGAACAUCGG
ACAGUGGAGACCCCCCUACUACUG
>EMBL_CDS:CAB70809 CAB70809.1 Homo sapiens (human) hypothetical
protein
ACGACCGUUCCACGAGGAACCUCCACUAUUAAACCAGGUACAGUCAAGCCUACUGCCGGACGUAC
CGGCCGACGUGGACGACGUGGAACCUGUCGU
>EMBL_CDS:CAI16917 CAI16917.2 Homo sapiens (human) novel pseudogene
(KIAA0563, FLJ34306)
GGAUGACAAGGAGACCACGCCAAUUUCGGAAUAAAACCCGCAUUGAAAGUCUGACGUGGUCACUU
AGGACUCAUCC
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>EMBL_CDS:CAI22406 CAI22406.1 Homo sapiens (human) latrophilin 2
AACUACGGGUCUCCUUUAAAUUUCAGAACCUAGACAGGAAGACAUGACUCAUGCCGUUGAAGGUC
CUGUUAUAAAAGACACCCGUAACU
>EMBL_CDS:CAI13041 CAI13041.1 Homo sapiens (human) chromosome 9 open
reading frame 3
AACUACUGGUACAGAGGUAGAAGUAAAGACAGGUCGUAGGGUGACGUUAACACUUCCACCUCCGA
CCGUAACC
>EMBL_CDS:CAM15931 CAM15931.1 Homo sapiens (human) novel protein
ACGACUCAGGACACGUGCAGAACCGGCAAAACCGCAUACAUCCUACACGUCACGUAAGUCGU
>EMBL_CDS:CAQ09540 CAQ09540.1 Homo sapiens (human) novel pseudogene
ACUCUCCUUACUCGUCGUCGUAACAGUACCAUCUCUUUCUGAGAGACCACUUCGAGAAGGUCCUC
AAAAAGACGAUUUUGAAAACGAUCGAAAGAGUUUUACGAGAGU
>EMBL_CDS:CAI40484 CAI40484.1 Homo sapiens (human) NADH dehydrogenase
1 (MUND1)
AAAUACCAUAUCUCAAGACCACUUAUAUACCAUACAUCACGAGGAUCCUUCUAUCACCAUCAAUC
CCGUAAAUAAUACUAUUAUAAGUACAUGAGACGAUAUUU
>EMBL_CDS:CAH72050 CAH72050.2 Homo sapiens (human) collagen type IV
alpha 2
CCGGGUCAGGACCCCCCGGGUAAAGAGGACCUCAUGGGAAGCAAGGUCCAUAAGGACCUAUCGGA
CCCAGGGGACCUCCCGG
>EMBL_CDS:CAI22896 CAI22896.1 Homo sapiens (human) complement
component 1, q
CCAGAGGUCGGUCGGGACCUUCGGGAAAGAGAGGAAAAUAGGGACCCCAGGGUCCAACCGGUAGC
CCCGGUCCACAGGGUCCCUAUGGGCCCUACGGUCCCUACCGACCCCCGG
>EMBL_CDS:CAQ10023 CAQ10023.1 Homo sapiens (human) novel pseudogene
CGAUUCAGCGAAAACCUAAUAACUUACCCCCAAUAUUAGUGGGUCUUUUAAAUUUCCGCCUCUCG
>EMBL_CDS:CAI19463 CAI19463.1 Homo sapiens (human) peroxisomal
biogenesis factor 6
GGGUGUCGGACCCCCCGGGGCAUCUUCCUGUGACGAUCAAGGACAGUCGUCCCGUGGGGGACCGA
CCUCC
>EMBL_CDS:CAI39429 CAI39429.1 Homo sapiens (human) DCN1, defective
in cullin
CGGCGAGGUCGAAGAAGAACAGGUGUCGCAAGGCGUACCUGAGGGACACCUCGCUCAGACCCAAA
ACCUUCUUCGACAGGCACCG
>EMBL_CDS:CAH73425 CAH73425.1 Homo sapiens (human) mitochondrially
encoded AUP
UCGACACCCUUUUGAUUAUCGAUUAUCAUGAUCACACAGAGGACGUUAAUUUACAUAAUCAUCUA
CUGACUGAUAUUACAACCGACAAUUAACGUGUCGA
>EMBL_CDS:CAC88170 CAC88170.1 Homo sapiens (human) ubiquitin specific
peptidase 20
CCUCGUGUGCAUGUCCACCAAGUGCCGCCCCGGUGGGGGCUUAGACAACAUGUCCACGAGG
>EMBL_CDS:CAH70819 CAH70819.1 Homo sapiens (human) olfactomedin 1
GACGGGAGCGACAGGACCCGUCUCGACAUGUGGACGGUCGAGAGGAGUCCCAACCACCCGUC
>EMBL_CDS:CAI40281 CAI40281.2 Homo sapiens (human) chromosome 9 open
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reading frame 102
CCGACGUUUGAACUCUUUAAAACAACCAUCUUAGAAAUUUACUGUUCCAAAGUCUUAGACUGUCG
GAACCAAAAUAUUCUCUAAGAGAAAAUAGUCUAAAGAAGGCCCACGCGA
>EMBL_CDS:CAI13431 CAI13431.2 Homo sapiens (human) CUAGE family,
member 5 (CUAGE5)
GUCAAAAAGAAGUAAGUAAACUUUAGGGAACUUCCAGUAAAACCGAAGUCAAUCAUCACUAAACU
CCCUAAAACUGAGUAGAAGAUCUCUGAC
>EMBL_CDS:CAI16234 CAI16234.2 Homo sapiens (human) novel pseudogene
GCCUCUAGAGGGUUACCGAUUGGUAUCCGACGGCGAGGAACGACAGGUCGCCGACGAGGACCACG
ACCUCUCUAGAGGC
>EMBL_CDS:CAM27610 CAM27610.1 Homo sapiens (human) obscurin,
cytoskeletal calmodulin and
GAGCGGACCCUCCGACUGGGACCCCUUGACGUCCCCGGCCCAAAACCGGAGGGUCCUUCUCUC
>EMBL_CDS:CAO03600 CAO03600.1 Homo sapiens (human) likely orthologue
of Mus musculus
CCCUACUCCGAUACGAGUAGGCAGGGAGCACUAUUUCCAUUCCUAGUCGUAUCUUUGGGAGUAAA
G
>EMBL_CDS:CAI95112 CAI95112.1 Homo sapiens (human) PHD finger protein
19
AACUCCUCUACACCAGGAGCUAGACAGUGACCCCACGACCACUCGAACGGUUCGACGUCCUCGAG
GGUCACCACCAACUGUUUCCGGUCUUAGAGGAGUU
>EMBL_CDS:CAQ10511 CAQ10511.1 Homo sapiens (human) novel pseudogene
ACACACUUCCAUUCUCGGUGGAUUAAGACCGUAGUCAUUCCUUCUUCAGUUUUGACGAGUCUUCC
ACCUCGAACCGAAGUAUCC
>EMBL_CDS:CAI15983 CAI15983.1 Homo sapiens (human) CD274 molecule
ACCGAGGGUCUUAAUGGUUCACUCAGGAAAGUAAACCUCCUACACGGUCUCCAUCAAGACCCUAC
UGGU
>EMBL_CDS:CAI16895 CAI16895.1 Homo sapiens (human) ring finger
protein 38
UCCCUCUACCACUAUCAAAAGUAGAACUGAUUACCUUAAUACAGCUCUGUCUGCUAGGGAAGAAG
GA
>EMBL_CDS:CAB90482 CAB90482.1 Homo sapiens (human) human type XVIII
collagen
CCUCCAGGUCCCUUCGGAGCUCCUGGGGCGUCCCGGAGGUCUAGCGGGGGCUUCGGUCUAGGGAG
GUACAGUUACUUCCAGUCGAACAGCACAGACUUCCUCCCAGGACCCCCGGGACCUCCGGGAACCC
CAGGACCCCCGGGAGAGAGAGG
>EMBL_CDS:CAQ09916 CAQ09916.1 Homo sapiens (human) pseudogene similar
to part of
UCCUCGUUAUCACCUUCCGUCGAAUCGUAACGGACUUAAUUCUUUUUUCUGUUCGAAAGAAAAUU
AAUUAAGGUCUCAUUACACUAAAGGUACAACAGGA
>EMBL_CDS:CAI23559 CAI23559.1 Homo sapiens (human) single stranded
DNA binding protein
CGACGGCAUUAAGACACCCGGCCCUGGGUACCCGGGGUACGGAGCCCCUCCCAAGUAAGAGACGU
AACUAGGAGGGUACAACCCCACCGGAACAACAGCACACCCUAGGUAUCUUAACCCGUCG
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>EMBL_CDS:CAB82417 CAB82417.1 Homo sapiens (human) hypothetical protein
CAACCGGAAAGACUUCCGAUAUUACAGUCCUAGCAGGACUUUCAGAACUCCAAGACGGUUG
>EMBL_CDS:CAI15920 CAI15920.3 Homo sapiens (human) chromosome 9 open reading frame 48
GGGUAGGACCUGGUCGACGAGGCUCCCUCCUCUGGGAAGCAACAGACCCAAGAGGUCCUCCC
>EMBL_CDS:CAH72907 CAH72907.1 Homo sapiens (human) interferon pseudogene
AGAGUACCUCUUAUAACCACCGGACUCGGAAAACCUUAAACCACGGUAGGUAGACGAGGUCCUCU
>EMBL_CDS:CAQ07755 CAQ07755.1 Homo sapiens (human) interleukin 6 receptor (IL6R)
UCCGACGACCCCCUGUGACUUCCCUCUACUCUCCUUGUUCGUGACCCCACCAAGAUCCAGAGAGAUCCUGGUCGGUGGGGUUUCUUGUGUUGGUCACGUAGGACUAGAAUAGAAGAAAGUCUGGGACGUUGAA
>EMBL_CDS:CAI14820 CAI14820.2 Homo sapiens (human) novel protein
GGACUGUACGAACAGUGGCUACCGUACCACCGCUUCGGUCCAGAAGGAACCCUUUGCGACGAGACGGGUCCACUGUCCACAUUAUGUCAACCC
>EMBL_CDS:CAQ10338 CAQ10338.1 Homo sapiens (human) NHP2 non-histone chromosome protein
GAAGUGUAUCCUCGACCUACACAUCUUUCUAGAGGUUCUAAACACCGGUAGUGCUAUUAAAACCUCCACAGAAAAAUUUUCCAGAGUAACCGAGGAAAUGUUUC
>EMBL_CDS:CAQ07400 CAQ07400.1 Homo sapiens (human) novel pseudogene
CGAGACCCCGCGAGGGCAUCGAACCCUCCGAAACCGGAGUCUUCGUCCAUCCCCCACAAUGACCCG
>EMBL_CDS:CAI14818 CAI14818.1 Homo sapiens (human) tubulin folding cofactor C
ACGAAAGUUGACGGCCCCCCUACGGUCCUCGGCGCAGAUGAAACCAUCUGCUUCGUCGUAGGAAAGGGGCCCAGAACUUUCGC
>EMBL_CDS:CAI10944 CAI10944.1 Homo sapiens (human) protein prenyltransferase alpha
AGAAGAUCUUCUACCCCUUCUAAUUAGGAACCAAGAAGACAACUUUGACGACGAAGAAGUAGAAAACCUCCU
>EMBL_CDS:CAH70960 CAH70960.1 Homo sapiens (human) far upstream element (FUSE) binding
CGACCCCUUGGGGGGACUACCACUUAGAGGCGUCCAACCCCAGCGACAACCCUCCCCCCAAGGAGACUUCG
>EMBL_CDS:CAH72910 CAH72910.1 Homo sapiens (human) interferon, omega 1 (IFNW1)
UACUUCAGGUCACACCUCAACCAGGUCCUCCCAGCACAAGGUCCGUCGUCUCCUCGCGAGACACACCUUCUCCGACUUCUAGACGACGUCGUAGAGUACCUCCUGUCUGUCCCGGACCCGGACGACGUUGACCGACAGUA
>EMBL_CDS:CAH74092 CAH74092.1 Homo sapiens (human) KIAA1614
AGACAGACCAGUGGGUCGGACUCGUCAGGUCGGUCCCGACGGAAGGACACUCUGUGACCGCUCCACCAAAAGGAGCUUCCCCCUCCCCAACCGCGGGUCGGAAGUCCUGUGUUCCUUCGACAACCGACGG

UCCGAACCACACCCCGUCU

>EMBL_CDS:CAC16001 CAC16001.2 Homo sapiens (human) CGI-121 protein (CGI-121)

UAAACGACUCUAUGGUGUAAAAAAGUUACGGAGACUUUAUAACAAUAAACCCCUUUCCAACUUUUAUUAAAGUCAUCUA

>EMBL_CDS:CAQ06692 CAQ06692.1 Homo sapiens (human) olfactory receptor pseudogene

AGGGACAAAGAGUCCGACAUCUACUUCCCCAAGUCGUACCCCCACUGGUGGCACAUGUAGUGACUCCGGUGACGUCGGAAAGAGCCCCU

>EMBL_CDS:CAI39663 CAI39663.1 Homo sapiens (human) myeloid/lymphoid or mixed-lineage

CUUAAUAGUCCAUUUUUCGACAAAGGAUAUACUCCCGAGAAUGACGACAAGUUCCUUAGUCAUCAUCCUCGUCAGACACGACUUUUACACACAUAAACUACUCUG

>EMBL_CDS:CAQ09825 CAQ09825.1 Homo sapiens (human) hypothetical protein

CCCGUCAUCCCCGACACGAGACCGUCCGUCCGGUACCUCAGUGUCCUGAGGUUCCAGACGUUCACCUUCCUCGAGAGGACCAGGACGUACGGG

>EMBL_CDS:CAB90455 CAB90455.1 Homo sapiens (human) hypothetical protein

UCGACUUCAACAAAGUUUUUAACCAAAAGACAUUCCUACCGAAGGUUAAAUACUACGUAUAGUCGA

>EMBL_CDS:CAH74053 CAH74053.1 Homo sapiens (human) solute carrier family 12,

GUCACCGGUACGUCCACUCGUGUGUCCACGGCAUUUGUGCGUACAACAAGUCGUACCGACGAC

>EMBL_CDS:CAI22065 CAI22065.1 Homo sapiens (human) ryanodine receptor 2 (cardiac)

CAACCUAAAGAACCAAGCCAGUAGGUCUUCUCACAUCCCUUGUUCCGCUCCUAAAGAAGACAAGAAAUGCAGGACAACCUACGGUAUUCAGGUCG

>EMBL_CDS:CAQ08581 CAQ08581.1 Homo sapiens (human) novel pseudogene

AGGAGACACCCCAUCUCGUCCAGGUCUAUCUGGAGAGAGACCAACUGGUUCCGGAAGGGGUAACUCCU

>EMBL_CDS:CAQ07592 CAQ07592.1 Homo sapiens (human) 60S ribosomal protein L12 (RPL12)

ACAACCCUUUACAACUGUUAGAGUAGUUUUCACUAGAAAAGUGAUACAAACUACAAGACAAAGAAAGAGGAUCGU

>EMBL_CDS:CAI15578 CAI15578.1 Homo sapiens (human) G protein-coupled receptor 111

UGAGAGAAACAGUUCUCUUCGAACGAUGUUUAGUGUCCGACCCGAGAACAUACCUACUCUCA

>EMBL_CDS:CAH72236 CAH72236.1 Homo sapiens (human) thymidylate synthetase (UYMS)

CUUCGGUCCCGUCUUACACGAACUAGAAGAGACCCAUGACGUCAACCGGAGUCUCUACGUCGGGACCGAAG

>EMBL_CDS:CAI20310 CAI20310.1 Homo sapiens (human) erythrocyte membrane protein band

CGCCCAGACACGAACCCACGCCGGUGAUAUCGCUUUAAACCUGGGGUUCCAGUCCUUGAACCGAAAACCACCGACGAGACCUCUUUGUUCGGACA

>EMBL_CDS:CAM14169 CAM14169.1 Homo sapiens (human) ankyrin repeat and sterile alpha

CCGACGAAAAAAGGAGACCCGUCGCUAAACCCUGUUCUGUAACAGAUACGACGGUGGACUCGCCAAUUCGUCGA

>EMBL_CDS:CAQ08002 CAQ08002.1 Homo sapiens (human) ribosomal protein S3A (RPS3A)

UCUGUAGUACCUCUCCUGUUUGUCUAACCGUUCGGAAAAAUACAGAAAAGGUUACGACAGA

>EMBL_CDS:CAI12548 CAI12548.2 Homo sapiens (human) collagen, type XV, alpha 1

CAGACGGAGGACGUCGGGUGACCAGAGAGGUCUACGGCUCCUGAGAAGUCCCAGUGUGUCGAGGAGCCCUCAGGACCCCAGCCCCACGUGCCACUCGACGACCUCCCUCGG

>EMBL_CDS:CAH73281 CAH73281.1 Homo sapiens (human) chromosome 20 open reading frame 45

UACAACCGGUCCGACCAGAGCUUGAGGACUAGAGUCCACUAGGAGGACGGAGCCGGAGGGUUCCACGACCCUAAUGUCCUCACACAGUGGUACGGACCGGACGUA

>EMBL_CDS:CAI13397 CAI13397.1 Homo sapiens (human) chromosome 6 open reading frame 190

GUUCUUCACAGAAAAUCCUUUUAACGAAGAUUAAAGACUUCGAUUCUAAGAACUACGGACCAUGAAAAAC

>EMBL_CDS:CAM21543 CAM21543.1 Homo sapiens (human) protocadherin 15

CCGUUUCACCUCUUACUCUUCACUCCGGACCCUUUCGUUUUACUUCUCAGACUUCUCUCUCUAAAGUUGACAAGACAAGGAAGAUAGUAGUCACAAAGUGGAACGGAAUAAAGGAGAAAGAGACAGUUUAAACGG

>EMBL_CDS:CAM22929 CAM22929.1 Homo sapiens (human) chromosome 10 open reading frame

ACAUAAAAACAAGGAACUUGCAAAAAACCUUCGUUGACGAAGGUCUUUGAAAGGAAACUUAUCAGUUUUUUAUGU

>EMBL_CDS:CAI16805 CAI16805.1 Homo sapiens (human) chloride intracellular channel 5

UGGGAAGGUAACUCUACGGGGACAGGAGGACCCCGAGUGGACCUACUCGGAGGACCUCAAGUCUCAUAUAGAGUAGUCCGUCCUCCA

>EMBL_CDS:CAI16482 CAI16482.1 Homo sapiens (human) hypothetical protein

CAUCGACGACAAGUAUAAAACCCGUAAUUCGUACACGUACAGGUGGAGGAAGUACCUGUACACCGGGGACUUGUACCGUCGAUG

>EMBL_CDS:CAM14602 CAM14602.1 Homo sapiens (human) thrombospondin, type I, domain

GACGAGCGAGUCGAGCGUCUAUAAGAGGAGCAGGCUCAAGAAGGCCUUCGACCCCCUCACCUACCUCAACACAGCUCGUC

>EMBL_CDS:CAC40698 CAC40698.1 Homo sapiens (human) dJ1104A8.1 (novel protein)

GUGAACGUAAAGACUAAAACUGUAACUCAGAACUACGGAUUCAUAUUCUAAAAGUAAACCAAGAA

AUAGUCCUCACCACUCAC
>EMBL_CDS:CAI22937 CAI22937.1 Homo sapiens (human) ataxin 7-like 2
CGACCCGGGACGGGUAAGUGAUGUACCGUAAAGACUCUCGACCGUCCCCGACCUCCACCCCCACC
CCGGGCCG
>EMBL_CDS:CAI15464 CAI15464.1 Homo sapiens (human) novel protein
CUGAAGGAGGUCAAGGCCGCCUAGGACCGUGAAAAGAAGGAUCUCACGUCUAUGACGAGUGACCU
CCGACAG
>EMBL_CDS:CAH71701 CAH71701.1 Homo sapiens (human) DEAH (Asp-Glu-Ala-His) box
UCACAGUCCUCAUAGUCAUUCACCCCCGCCUCUACGAUGGGGUUUUCGACCUUGAAGAAGUGA
>EMBL_CDS:CAH72941 CAH72941.1 Homo sapiens (human) platelet endothelial aggregation
GGAACCCGGGGUGGACCGGCGAGUCCCAAGACGUCCGACCGUUUCUCGCCCGGACCUUGGAACAA
UCCCCCACCCCCCAAACCCC
>EMBL_CDS:CAH72281 CAH72281.1 Homo sapiens (human) tudor domain containing 3
AAACCCUCAGAGAAACUUUUGCUCCGCCAAAAAGUAAAGAACCGACGGACCAUAGUAAAGCUCCU
CCUACAGAGUCU
>EMBL_CDS:CAH72748 CAH72748.1 Homo sapiens (human) novel pseudogene
ACAGACAAAGAGUCCAAAUAGGUAAUGUGUCAAUACACUCCUUUACCUGAACAGUAUAUCUGU
>EMBL_CDS:CAH72940 CAH72940.1 Homo sapiens (human) Rho guanine nucleotide exchange
AAGAGUUUCACGACUUACUACAAGGAGUGUAACGGACCAAACUGAAGGUGUCCCCUGUUCCCUUA
UACUUUACACGAAACUCUU
>EMBL_CDS:CAH72663 CAH72663.1 Homo sapiens (human) calmodulin binding transcription
AACGAAGGACUAUAAACCGAGAAGGUCUGAGUCACGUCACCCUUCGUCGAAGAGGACGGAACAGA
CCUUCAUGAGUCCCAAGUU
>EMBL_CDS:CAI12394 CAI12394.1 Homo sapiens (human) poly (ADP-ribose) polymerase family,
GGUCAACAGAAGACUUCGAGUCAUCAGCUGUGGUAACAUGCUUUAAGAAAGAGAACUUAAUCACG
UGUGUCUCAACGGACACACGUCACUCCUUACUUAGGUAUCUGUUCCUCAGCUAGUAACUCUUUGU
UCCUGCCGUGGACC
>EMBL_CDS:CAQ06897 CAQ06897.1 Homo sapiens (human) DEAH (Asp-Glu-Ala-His) box
UUCCGUCUUACUUCCAGUGGAGGUACAUUCUCUCGUAACCAGCACUGUAGAAGUUACAGAA
>EMBL_CDS:CAI15500 CAI15500.2 Homo sapiens (human) ADAMUS-like 4
CCCGGCCGUCAAGUCAAGUGUCGCGACCCUCGGGACCUGAAGUCACUUCCCGAGGGUGACUAUGU
CGACCGGG
>EMBL_CDS:CAH73232 CAH73232.1 Homo sapiens (human) ankyrin 3, node of Ranvier (ankyrin G)
AAGUAGAACGUCCAGUAUCGGUAGGUCUCUCAGCUAGAGACACCGUAGGCACAGUACUCUUUUGA
GACGACACCACCGUUACCUUGUGAGACACUACCU
>EMBL_CDS:CAI21793 CAI21793.1 Homo sapiens (human) potassium channel,

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subfamily K,
ACACUAGCUCCUCUUCCUGUCAACCAGUACGAGAUACUACACGUGGACUAGGAGCAGGAACAGGA
AGAAGUGU
>EMBL_CDS:CAH73228 CAH73228.1 Homo sapiens (human) transmembrane
protein 206
CCUCCGCCUGAGCGACAGGUCCGGACCAUUCUAUGGGCCUGGAACCUGAGACUGGCAGAGG
>EMBL_CDS:CAI12685 CAI12685.1 Homo sapiens (human) chromosome 9 open
reading frame 86
AGGAGGUGUGAGACCUGGCAACGACCCGGGAGACGCCGGCCCUGACCGAGACCUCCACCUCCC
>EMBL_CDS:CAI14117 CAI14117.1 Homo sapiens (human) BUB (POZ) domain
containing 14A
GCUCGACGAGCGACCGGCAGUACCACUCGGACGGGCACAUCGUCUUCCUGUCCUAGACGACCUUC
GUCCGCCCGCCGUGCCUCGGCCCGUCGAGC
>EMBL_CDS:CAI22394 CAI22394.1 Homo sapiens (human) mutS homolog 4 (E.
coli)
AAACUCCUAUUAAUCAUAGAGCACGUCUUCUACUCGAACGUGGUUUUCAUUUUAAACUACGUUGA
CACAAAAGACGUAUUCGAGAAAACAAAGGUUU
>EMBL_CDS:CAI14911 CAI14911.1 Homo sapiens (human) sprouty homolog
2 (Drosophila)
CCGCACGUCCGGGUUUAGAAGGAACGAGUCACCGAAUUCGAGUGGACCGAACUCGAGUCUAAACC
CAACGUGGG
>EMBL_CDS:CAQ08176 CAQ08176.1 Homo sapiens (human) eukaryotic
translation initiation
CAGGAGUCGAUCUUUCAGACAAUCCCUCUAUCAAAAGGAGAAGAAUAAGCAGAAAAAACGACUCC
GG
>EMBL_CDS:CAI16862 CAI16862.2 Homo sapiens (human) AU-hook
transcription factor
ACCCCACCGUGCGGUCCCGGACCUCCCCGACGGAGUCGGAACGGGUCCGGACUGUACACGGGCAG
AGAU
>EMBL_CDS:CAI16233 CAI16233.1 Homo sapiens (human) collagen, type
XXIV, alpha 1
AAGGUUCCUCAGGGAAACCAGGAAGUCCCGGCAAAACAGGUCCUUAGGGUUAUAGAGGACCUUUU
GGGAGACCAGGACCUCCCGGUCUACCAGGAACCUC
>EMBL_CDS:CAI13215 CAI13215.1 Homo sapiens (human) misato homolog 1
(Drosophila)
AUCCCUAUUCACCAAAACCUCAACAUCGCCACCCCUCACCACUCCUUGGAAACACACACCACUCG
AAGGGGACGGUACGAUAACGUCGUAGGUUGACAAACAGGGAC
>EMBL_CDS:CAH71957 CAH71957.1 Homo sapiens (human) potassium channel,
subfamily U,
AAUCUCGGAGAGAGGGCAAGAAAGAAAAGGUCAAAACUUUCUCGUUCUCUCAUUGUCAGAAACCG
AGACU
>EMBL_CDS:CAI19369 CAI19369.1 Homo sapiens (human) DENN/MADD domain
containing 2D
GCCCCUACUUCGAGAACUCUCACUGUCAGAAGGGUCCUCGUCCCUUCCGACGGAGAGCCUCCGGG
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AC
>EMBL_CDS:CAI41373 CAI41373.1 Homo sapiens (human) ankyrin 3, node of Ranvier (ankyrin
CACAGAGGCAUCAGUUACAAAAUUACCCACUGUCGUUCCGACGACGACUAAAACAUUUACUUAAU
CUCAGACCUUCAAAGAAAUUACGACCAAGACCGUUUUGUAACUGAUGUCUCAUAUG
>EMBL_CDS:CAM23326 CAM23326.1 Homo sapiens (human) ring finger protein 17
AUACAAGAAUCUCUUCCGCUAUUAACAUUACGAGAACGAUACAAGUAUCGACGUAAGUUUAAUAA
AAAAAAGAGAAGUUACAU
>EMBL_CDS:CAC14920 CAC14920.1 Homo sapiens (human) solute carrier organic anion
CGCCGCGAGGUCCCUCCACUACUGACACAACUACUUCGGUAAGUGUCAGUAGGGGACGUCCUUAC
GCCGGCG
>EMBL_CDS:CAQ08463 CAQ08463.1 Homo sapiens (human) mitogen-activated protein
UGGUAGUCAACUCACGUCUCGUCGGGUAAUGUGUCUCUAAGUCAGUUUAACCCAAAGUAGACGAG
GGGUGAGAGAACUACCA
>EMBL_CDS:CAH73892 CAH73892.1 Homo sapiens (human) novel pseudogene
CCGACCCUCCAGCCCGUGAAAUAGGUGGACGAGAAACCAUGACCAGUAGACCUCCACCCACGUCU
CCACCAGGUCGGUAAGGUCAACAAGUGCAGUGGUAUCCACGUGGCCCAUGAAGAACUCGUAACCC
UACUAGACGAAGUGGAGGUCAG
>EMBL_CDS:CAQ10739 CAQ10739.1 Homo sapiens (human) cytochrome P450 4Z1 (CYP4Z1)
CUCUAGACGAAGUCUCUUCAGAAACCACAAAAGUGAAAACCGUGAGUUUUCAUACAGGUCUUUUA
GGACCGCAGAAAAGACUCAUCAUAGAA
>EMBL_CDS:CAI13563 CAI13563.1 Homo sapiens (human) nuclear distribution gene C homolog
CUGUCCCAGACCCAGGUCGCCAUUAACCCGUCCAGACGGGGCAACGGAUCCAACCCGAAGUCAAA
AGGAAACAG
>EMBL_CDS:CAQ07786 CAQ07786.1 Homo sapiens (human) thioredoxin 2 (UXN2) pseudogene
GUGACCGCAGAGUGACAACCAGAACUUUCAGUCCAGGUAGGACCUAUAAUUACCAGUAACUCCUC
UACGACCAC
>EMBL_CDS:CAI40867 CAI40867.1 Homo sapiens (human) DEAD/H (Asp-Glu-Ala-Asp/His) box
ACCAACCCACCGUAUUCUAGAGGACAGUAUAAAUAUUCGAGACUACCUCGUCUAAAACUGUCCUU
CGGUAGUCCACACUAGACUGGU
>EMBL_CDS:CAI23224 CAI23224.1 Homo sapiens (human) EGF-like-domain, multiple 9
GUCUUGAACGGACGGGUCGGUGACACCGUCUACGUGACGGUACCGACCACCGUCCAUGGCACGAC
>EMBL_CDS:CAI12104 CAI12104.2 Homo sapiens (human) discs, large homolog 5 (Drosophila)
CCUGUCCGGACCCCCGUCUGGACGUUCCCAGGGGGUCCCUUACCGAAUACGUCUUUCCUCGACGA
CGGAGGACCCCCCGGACCGAGGAAGGACAGAAGGUCGGACAGG
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>EMBL_CDS:CAI41410 CAI41410.1 Homo sapiens (human) interleukin 13
receptor, alpha 1
GAGUCCUAGUGGAAGACCCCCACUCUACGUAAAAAGUUGGUUUUACGAUCCGAAGAGUGAGAGUA
ACCACGAUGUGACCC
>EMBL_CDS:CAH72952 CAH72952.1 Homo sapiens (human) laminin, alpha 2
(merosin, congenital
ACGACAGUGAAACCAUCGGGACCAGUCGUCGAGCAAGUAAAGCCAGUGCUCACAUAAGUCUAACG
GGAGACGGUCGACUUAUUCGGAGAGACCCCGGGCGACUCCACUGUCGU
>EMBL_CDS:CAH73851 CAH73851.1 Homo sapiens (human) KIAA1797
AAGAACGAAGUGUUCACUACAUUUUUUAAGGAGGUUUCGACCAUUUUGGUUUCCCCCUCACUCAC
UGUUGUCAAACUCUAUCGUUCUC
>EMBL_CDS:CAH71812 CAH71812.1 Homo sapiens (human) mutS homolog 4 (E.
coli)
CGUCAUAAACUGUAAUAAUAAAGGUUUCCACUAUUUUAAAAUUCAAAUCACUAGUGGAAACGUAU
ACAACACAACAGACG
>EMBL_CDS:CAI12711 CAI12711.1 Homo sapiens (human) novel protein
CAAACUCGUCAAGAUAUAGGAAGAAGUGGCAGUACCCUGAAUUUGAAUAAAGAUUACUUUAUACA
AAAUCUCUUACUAACUCCUCCACGUCUAGGUUAACGAAUUCG
>EMBL_CDS:CAI15628 CAI15628.1 Homo sapiens (human) AUP synthase, H+
transporting,
CACGAACUCGGAAGAAACGGUCGUCGAAAUCCAGGCGUUACGUGAACCGUUAACAGAGGAAAAGG
ACGACACACCUCUACGAAACGUG
>EMBL_CDS:CAH72158 CAH72158.1 Homo sapiens (human) DAB2 interacting
protein
GGAGUCCGCCCAUGACCCCGGGUGGGUUAGUCCACUCCGGCUGCGGUCCCAAGGCGAACUCC
>EMBL_CDS:CAI13226 CAI13226.2 Homo sapiens (human) chromosome 6 open
reading frame 170
CGUGGACAUCCUGAAAGAAGUCUUCUCAAGUAUAAACGAGGUAUUUCCUCAUUUUAUUCGGGAAG
AAGAUGUCUACG
>EMBL_CDS:CAI13318 CAI13318.1 Homo sapiens (human) pancreatic
polypeptide receptor 1
CUCCGUGUACUCCUUCAGUCUCUUCCGGUCCAACCGCUAUUCGUCCAACCAGUGCAACCGAAAGA
GGAAGACGGAG
>EMBL_CDS:CAC09445 CAC09445.1 Homo sapiens (human) hypothetical
protein
AACAGUUUGGUCUAAGAUUAAACGAAAAAAGAAGAAGUCAUCGAACUUCGAGACCGUGAUUCUUU
AGGAGACCAAACUAUU
>EMBL_CDS:CAH71575 CAH71575.1 Homo sapiens (human) DEAD\/H
(Asp-Glu-Ala-Asp\/His) box
GACAAGGUAAGGACCCGUACUUGAAAUUGAAUUGUUGCUCAAGUUAUCGUCCCUACUCUUGUC
>EMBL_CDS:CAQ10164 CAQ10164.1 Homo sapiens (human) actin, beta (ACUB)
pseudogene
CUCCGCAUGUCCCUGGUGUUCCGGACCUACCGGUGCAUAUACCGACCCCACAACUUCCAGAGUUU
GUACUAGACCCAGUAGAAGAACGUCAACCGGAACACCAAGUACCCCCGGAG
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>EMBL_CDS:CAC36039 CAC36039.1 Homo sapiens (human) oviductal
glycoprotein 1, 120kDa
GAUCUCGAUGUCACACGAAAGGUUCCCUAUGUCAAAGGAAACAUCCCCAGUGUCAACAUGGAGAU
C
>EMBL_CDS:CAH73027 CAH73027.1 Homo sapiens (human) protein tyrosine
phosphatase,
CGGUUGGUGGUGGAACUACACCCUCCGUAAUUACAUAGGACACAAUAAAAGAAACCAACCA
>EMBL_CDS:CAC09446 CAC09446.1 Homo sapiens (human) hypothetical
protein
CGACUAUCACACAGACCUAAGACGUAGACGACGUCCUUCCGACCCUCGACACCGGCGUAGACGAG
GACGUCGACUCCUAAACGUCAUUUGUCGCCCGAUAAGUCG
>EMBL_CDS:CAI40860 CAI40860.1 Homo sapiens (human) suppressor of
fused homolog
CACAUCGAGAAGUCACGUCUGUGGUUGCUAGACCUCCUUCCAUUGAUGGGGUUUCCCACAGACGU
GCCCGACGUA
>EMBL_CDS:CAI23469 CAI23469.1 Homo sapiens (human) neuroblastoma
breakpoint family,
CCAACCGGUCCCUCAUCCGUCAUCGAACUCAAUAUUCCUUAAAGAGAAACUCCAGAGCCUUGACG
ACUAACGAGAGACGGUCGA
>EMBL_CDS:CAQ07609 CAQ07609.1 Homo sapiens (human) novel pseudogene
GAUCCUAAAGUAGACCACGUAAAACAUUUUGGAAGUAAUUUCCAAAAGUGUCUCACACUAGGAUC
>EMBL_CDS:CAQ10534 CAQ10534.1 Homo sapiens (human) solute carrier
family 9 member 3
GACCGGUCGUAGAAGUGCCACAUCACGUACCACAACCGGCUGACGAGGUUCUACAACCGGAAGUA
CAUGAAUACUGUCGUCUACGGUGUCUUCUAUUACCGGUC
>EMBL_CDS:CAI95313 CAI95313.1 Homo sapiens (human) KIAA2026
AUCGACCUUACCUUUGUCUUCAACCACAAACCGAUUUUCCACUUUCUGAUCUACAUCAUCAACAA
GGUCGAU
>EMBL_CDS:CAI14157 CAI14157.1 Homo sapiens (human) NHS-like 1
CCUAGGUCGAAGAAGUAUCACGGUGAAGGAAGUCAUCUUCAUGAUCUUCUUUCUCUUCACCUGCU
ACUCCUUUACCUAUGA
>EMBL_CDS:CAQ10280 CAQ10280.1 Homo sapiens (human) retinoblastoma
binding protein 8
ACGGUCACCGAAGACCGACCGUCCCAGAAGAUACAAUCCGAAUCACAGUAAUCUCCUUGAAAAGC
GUUUUCUCCAGAGACCGU
>EMBL_CDS:CAH70298 CAH70298.2 Homo sapiens (human) RAB GUPase
activating protein 1
AACGAUAAAGUCACAAACAGACUCCUAGAUUCUCAGAGUGUUAAGGAAGUCUGUGUAAGCCGUGA
CUUUCCCAUU
>EMBL_CDS:CAB99097 CAB99097.2 Homo sapiens (human) hypothetical
protein
CGACCCCCGGAACCUCGACCGUCGACAACCCCCUCUCGAGUCCCCGACUCAGAGUGAGCGUCGGA
GGACUCGGAGGGGUAGGGAAGAGCCGAGUCCGGAGUCA
>EMBL_CDS:CAQ07669 CAQ07669.1 Homo sapiens (human) peroxisomal
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biogenesis factor 5
CCCUCCCGGGAGAGGACUUCAGCGACGUCGGGAAGAAACUUUCCGACUCCCACUAGUGCGUCCCC
CAAGAGGA
>EMBL_CDS:CAH72120 CAH72120.1 Homo sapiens (human) H2.0-like homeobox
CGCCUCCGACAACGACGACGCCGACAACGACGACGACAACAACAACGCCCACUACCACCACCAUC
CGCCGACUCUCGCCUCUGUCGGCGACG
>EMBL_CDS:CAH74130 CAH74130.1 Homo sapiens (human) collagen type IV
alpha 1
CCCGGAGGUCCUUUCGGACGAACAGGAAACAGUGGUUACCCUGGUCGUCCUGGUAUAGGACCUCC
GGG
>EMBL_CDS:CAH72225 CAH72225.1 Homo sapiens (human) leucine rich
repeat containing 8
CGUCUACAGGGUUUCCUUUACAGCAAACAACAGGCGGGUAGAACCAGAACCAACCACCGACGAAG
GUAGAAACCCUACAACCACCACUGGAGCCGUAAAGGACCACCACAUACACG
>EMBL_CDS:CAI16937 CAI16937.1 Homo sapiens (human) component of
oligomeric golgi complex
ACGUACUUCUGAGUUCGAUAACUUCUUAUAAAAAAACGAAUCGUUUACGUAAAGAAGUUACCAUC
AGUUAUUACGU
>EMBL_CDS:CAI14459 CAI14459.2 Homo sapiens (human) zinc finger
protein 318
GACAACAGAAACCCUUAGGGUCCUUCCCCUGGGGUAACCAUCUCCAACGGGACUCCAAGGAAGUU
CCGUCAGAGAUGGUAUCAGGGGAACAAAAGUUAGAGACUCCGUUUUC
>EMBL_CDS:CAC21660 CAC21660.1 Homo sapiens (human) hypothetical
protein
CAGGAAGGCACGACAUCAGGCCCCGUGCCGUUCCACACCCAGGAGACCACGGGAUCCAGCCCCCG
CCGCUCAGUCUCCAAGAGGGCACGGAACCAGAUCCCGCACCUUCCUG
>EMBL_CDS:CAI13266 CAI13266.1 Homo sapiens (human) zinc finger and
BUB domain
UGUGCCCUAGAGGUCGUCCGCCCGUCGGACCUCGUGUCGACCGUACAACCGCGACGACCACCAGU
CACA
>EMBL_CDS:CAI14933 CAI14933.1 Homo sapiens (human) tudor domain
containing 7
CGGAAACGUGACCUUACAGAAACUUACGAAGUAAAGGUUCUCAACACACAUCGUAUAUUCCUCUG
UAAAGUCGUAGUCCG
>EMBL_CDS:CAI41701 CAI41701.1 Homo sapiens (human) RNA binding motif
protein 10
CGGAGAGGGGUAGGGUCAUGUCCAUGACGACCGAGACUCGUAACAUCAUUAUGACCCUCAACCCC
AGUAUCAUCUCCG
>EMBL_CDS:CAQ08432 CAQ08432.1 Homo sapiens (human) zinc finger
protein pseudogene
ACACUCAUGAGACUACUUGUUCCUCCAAACCUAACAGUCUUUUCCGAGAAUCAACAAGUAAUAUA
AGUGU
>EMBL_CDS:CAH70855 CAH70855.2 Homo sapiens (human) ribosomal protein
L12 (RPL12)
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GGACUCCCGAAACUACUAGUCCCGUCUCCGUCUUCCGUGGUGGAGUUAGACCCGGACAGACAAGACUUACCAGUCAAAGUGACAUUAGGAGUCC

>EMBL_CDS:CAH71826 CAH71826.1 Homo sapiens (human) FRAS1 related extracellular matrix 1

CGGACCUCUUAUGUCAAUGUUCCAACGGGUCCAUAACAAGGGACGUUCGAACCCGUCGGCGUAAGGUCCA

>EMBL_CDS:CAH74069 CAH74069.1 Homo sapiens (human) pseudogene similar to part of NADH

GUCUUUUUAACUCGAACAAUACUAAUAAGGAGUAUCCCUAUCAUACUCCCUCCUUAUUCGAUAUUUGAGAC

>EMBL_CDS:CAI14932 CAI14932.1 Homo sapiens (human) amylase, alpha 1C (salivary)

CCAACCAUAGAAAGGGUGGUUCCAGACUUUCCCAACACUUACCGUUGUAAAAGUAAACCACCUCUCUGGACUUGG

>EMBL_CDS:CAI13272 CAI13272.1 Homo sapiens (human) DC-SUAMP domain containing 1

UCGUGGUGGUCGUCGUCGUCUUACCCGUCACAGAGGUCCUCGAGGGAGUGGUGUAACGAGUAAAGACUCCGGACCUACCACCCGA

>EMBL_CDS:CAH71185 CAH71185.1 Homo sapiens (human) CDC42 binding protein kinase alpha

UCAUGCAGACGGAAACGAUCGACCUCAUGUCCUACCUCUCGCAAGUUUAACUAGGUCUCGUAGCCAUCCGCAUAA

>EMBL_CDS:CAI14348 CAI14348.1 Homo sapiens (human) chromosome 9 open reading frame 126

AAGUCGUUCCGCUAAGCUACACUAUUGUUACCAUAAUAGUAGUAAAUUAUGGUAAUGUCCUAGGCGGAGUUACUU

>EMBL_CDS:CAI14438 CAI14438.1 Homo sapiens (human) surfactant, pulmonary-associated

ACCUGAAGGGACCCCUGGGUACCGAGGUCGUCUGGGACGACGGGGACACAAAGGUCCCUGAGGU

>EMBL_CDS:CAC21674 CAC21674.1 Homo sapiens (human) hypothetical protein

GACGGACCAGGUCUCCAAGACGCCAGGUGUCGACCUUUUCCCGGAGGUGCCCGGCCCAGUC

>EMBL_CDS:CAI14538 CAI14538.1 Homo sapiens (human) human immunodeficiency virus type I

UACCCUUUGCAACCCCGAGACGAGACUCCGACUGGAGGCGUAGAGAGCCCGUACACCCACCACCGACCCCUGUCAGUUGUACACCCACGGGUCCCCAAACCCCGCGUACAGUCUACUCCCUGACCCCCGGAGCCGAAAGGGUA

>EMBL_CDS:CAI14682 CAI14682.1 Homo sapiens (human) serine/arginine repetitive matrix 1

UCUUCCUCUGGCAGCGGAAGACCACCCACCACCCCUACCUGAAGAGGAGGCAGAUGGUGCUCCCCUUCAGAGAAAAA

>EMBL_CDS:CAH70858 CAH70858.1 Homo sapiens (human) spen homolog, transcriptional regulator

CCCCAGUCGUUCGAAGAACAAACACCACUGUUACGAACCCCACUCCUGGUCGACCAACACUUGGU

CGUGUCCCCCACACAACUAGGG
>EMBL_CDS:CAI15846 CAI15846.1 Homo sapiens (human) CD52 molecule
UCGUCUUCUCCACCUAAUACCGUAACCGGUGCUUCUUUUCCUUUUACGGAGGCGAAUACAACGA
>EMBL_CDS:CAH74000 CAH74000.1 Homo sapiens (human) tudor domain containing 3
CUACUAAGAUCAUAAAAAAGACCGAAUUAACCGGGUCUAGAAGCAAACCCGGGUGAUAACAUUUU
AUAAAAUAGUAG
>EMBL_CDS:CAD13322 CAD13322.2 Homo sapiens (human) gamma-aminobutyric acid (GABA) B
CCAGCUCCUUCAUCCCCGCGUCCUCACUGAGCAACGCCUAGACGAGCUACCGGUCAAGGUGCCGC
CCCUCGUGUGGCGCGGGCUACGACGGGAACCGG
>EMBL_CDS:CAQ07191 CAQ07191.1 Homo sapiens (human) novel pseudogene
GUAAAGAACUAGGAACAUCUCCCCCUAGAAAUAACUCCCCUCUUUAUGGAAACCAUAAUCUAUGU
UGUUCCUAGACUUAUAC
>EMBL_CDS:CAQ09904 CAQ09904.1 Homo sapiens (human) diacylglycerol kinase pseudogene
CCCAGGUCCUAUAUUUAGAGUAGGACACGCUAGAGUCAGUGUAUCAACUCCACGAGGACCCGAG
>EMBL_CDS:CAI10965 CAI10965.1 Homo sapiens (human) solute carrier family 31 (copper
UGGUGGACCUACUACACGUCGUGACAAACGUCCUCCACUCCUUUCGAGUCGUAGACAACGGGUUG
UCAAAACACACAGAGGUAUUCCUACCA
>EMBL_CDS:CAI14296 CAI14296.1 Homo sapiens (human) eyes absent homolog 3 (Drosophila)
UAGUAAAGAAGGUAACAAUUUGGACUCGGUUAGUGAUGACAACCCAGGAAAGGUAUAAAGACCCG
UAUCCUAGGUCAUUCUUCACUCACCUUCUACUACUA
>EMBL_CDS:CAI22608 CAI22608.1 Homo sapiens (human) MORN repeat containing 1
GACACGGCACCCACCACAGGGGGACCCCACGUCCGGCGGAGACCUAGACGGCGGACGGAAGAACA
CCUCCGACAGGUCCUUGUCCUUCCCCACCAUGGGUCCGCCCCCGCCGGGGUCCUCCUGUAGACAC
UUGAGCCGUGUC
>EMBL_CDS:CAH73652 CAH73652.1 Homo sapiens (human) olfactory receptor, family 10,
CUCUUUUUGGUGUUUCUCUCACUACACUACAAACACCUUAGACCUCUUAGGGUCCUUUUGUUUGA
GACAAUGGAGACACUCCAAGAAAGAA
>EMBL_CDS:CAO72141 CAO72141.1 Homo sapiens (human) chromosome 1 open reading frame
CAGGCCGCCUUUCCCACAGGUCCUUUUCCAGAACCCAGGCUGUCACUUCUGAAGUCACCCGAGGC
CCGGCGUGGACCCGAGGGCGGGCGGCCCG
>EMBL_CDS:CAQ08914 CAQ08914.1 Homo sapiens (human) actin related protein 2/3 complex,
AUAUAGUUCCAGGACAGUCGAAGUAAGAAUUAAAGUAUCAAAAACUUCUUCUGUAACCGGAACUU
CAU
>EMBL_CDS:CAI13832 CAI13832.1 Homo sapiens (human) CDKN1A interacting zinc finger

CCCCGCCCCCUGUCCACAGUCCCCAUGUCACGAUUUCCGGGCCGACAGUGACGAGACGUCUUACCACUGGAAGUCCCUCGGGGGCCGCGGGGUAUGGGGACCGUAGAGAGAGCGAGA

>EMBL_CDS:CAI41249 CAI41249.1 Homo sapiens (human) immunoglobulin superfamily, member

UAUCAUUUUUGUCUCCAUUACAGGUCAUAGAACCUAGAAGUUUCUGACCUUCUUCUUUAAACGGAGUAAAAAAUAACA

>EMBL_CDS:CAI12482 CAI12482.1 Homo sapiens (human) v-ski sarcoma viral oncogene homolog

GCGUCGAAGAGGAAGAACCGGUGCGCAUCCUUGAGGUCGAGGACCACCUCCGACGCGAACCGGACGUCCCGACGC

>EMBL_CDS:CAI12125 CAI12125.1 Homo sapiens (human) heparan sulfate proteoglycan 2

CUGGUCACCUACCACCCGCGCCCCGACGGACACCGACUCGUCGCGUUCCACCGGCACACAGGUCGGAGGUGUCAG

>EMBL_CDS:CAI15178 CAI15178.2 Homo sapiens (human) ribosomal protein S24 (RPS24)

CACUUCCUGUAGAUGCUGACAAACACGAGGGACUCCAUCAACUAACCAGUACUUGAAGGAUCAUGUUUAUCAAUAACACAGUAAGUA

>EMBL_CDS:CAI12649 CAI12649.1 Homo sapiens (human) myotubularin related protein 11

UGGGACCGGUCGGAACGAGUCCCAAUAGGGGCUUAUGACAACCCGAACUAACGAGACUCGAGACCGAACCUGUUACCGGUACCA

>EMBL_CDS:CAI12547 CAI12547.1 Homo sapiens (human) aryl hydrocarbon receptor (AHR)

UACCUUAGGAAUAAAACUCGAUUAAACCAUCGUCUCAUAAAAGGUCAUCACGAUGAUAAUCAGGAGUAAUCAUUCUCAAGGUA

>EMBL_CDS:CAI14505 CAI14505.1 Homo sapiens (human) chromosome 9 open reading frame 50

CCGGAAGAAGGUACUUGUCUUCCCGUCCGACGACAAGUACCUCCACAGGAGUCUUUCCAUCGGGACACAGAAGACCCACCUGUCCGG

>EMBL_CDS:CAI17060 CAI17060.2 Homo sapiens (human) pseudogene similar to part of NADH

UCCCAAAUUAUGACAAUUAUAUCGUACAUGUACAAGGAGCAACAUAACACUGUUCAUAUAUUUCCCUUAUUUCCCGACACCAAUUAUAUAAUUCAGGA

>EMBL_CDS:CAH73128 CAH73128.2 Homo sapiens (human) protein tyrosine phosphatase,

UCGGUCUGCCUUUAUCAUAUUCGACAAACCAAAGUCAGGAACGUCGGAUAUACUACAGGGACCGA

>EMBL_CDS:CAQ10461 CAQ10461.1 Homo sapiens (human) NADH dehydrogenase 5 (MUND5)

AGGAUCAUAUAAUCUCUUCAACUUACAGACAUUACCCUUGGAAUCAAAUUCUAAUAAUCAAUACUCUAAUUCGAGAUAACGAUCCU

>EMBL_CDS:CAI40039 CAI40039.1 Homo sapiens (human) chromosome X open reading frame 59

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```
UCUAAC
>EMBL_CDS:CAQ11044 CAQ11044.1 Homo sapiens (human) mitochondrial AUP
synthase 6
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AUAUAAAUCUAAAUAACUAUUGACUCAAUAACCG
>EMBL_CDS:CAI41100 CAI41100.1 Homo sapiens (human) melanoma antigen
family H, 1
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>EMBL_CDS:CAH74086 CAH74086.1 Homo sapiens (human) hematopoietically
expressed
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AUCUCCAAACGGGUC
>EMBL_CDS:CAH73166 CAH73166.1 Homo sapiens (human) peptidyl arginine
deiminase, type
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UACAGAAGG
>EMBL_CDS:CAQ06495 CAQ06495.1 Homo sapiens (human) UAF1 RNA
polymerase II, UAUA box
GACCCACUACUUUACCGGUUCUUAGACCUUGACGGUAGUAAAAGACCCACUGUUACAACAGGUCU
UACUUUCUUUUACGGUGAACCAGUAGUAGUAGGUC
>EMBL_CDS:CAH73905 CAH73905.1 Homo sapiens (human) novel tudor domain
containing protein
GGGACAAGAACUAAGCAGUUCUUAGAGUUAUUGUAUAACUACUAGGACAAAUAGUUCUUAUACC
>EMBL_CDS:CAI17217 CAI17217.1 Homo sapiens (human) tetratricopeptide
repeat domain 13
UUGAAAGACGAAGUUUCGAAGAAACUUCCUAAGUUAUCGAAGGAAGUCUUCAGGAGACACUUUCU
UUCAA
>EMBL_CDS:CAI40666 CAI40666.1 Homo sapiens (human) novel protein
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UAUGACGACGGGUAU
>EMBL_CDS:CAQ06806 CAQ06806.1 Homo sapiens (human) nicolin 1 (NICN1)
pseudogene
ACCUCCUCACGUCCAACGAGUGUCCCGUGACCCACCCUCUCGGUGAACCCCUUCUAGUACCUCCC
CGAGAAACCAGGGACGACUAUCUAGACGUCGAGGAGGU
>EMBL_CDS:CAQ10659 CAQ10659.1 Homo sapiens (human) novel pseudogene
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ACUA
>EMBL_CDS:CAM13086 CAM13086.1 Homo sapiens (human) ADAMUS-like 1
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GUCCACGAACGACAUCUCCAG
>EMBL_CDS:CAI12265 CAI12265.1 Homo sapiens (human) adipose
differentiation-related
AAGACGUCGACGGGGAACGAUCUUCACUCCUCCGACAGUCUGUGAAGAAAUUUCCUCCGUCGUAA
```

CGCCUU
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AGUGAAAGUAAAGUUAAUUCAUAUCUACAACUACAACGUUCUAAGGUCCAUUUUUGUUCUCGUCC
CGGUGUGGACCACCAAGUGUGGAUAUUAAGAUCGCGUAACUCUCCGACUCCACCC
>EMBL_CDS:CAI15376 CAI15376.1 Homo sapiens (human) poliovirus receptor-related 4
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CUCCGGGUAGGUCGGCACAGGUCAACAUACUCCCUCCCCCGACGGGAAGUGAGUCCGUGAACUCG
UAUCG
>EMBL_CDS:CAI13541 CAI13541.1 Homo sapiens (human) dual-specificity
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ACCAGUAUAAAUCAGAAGACCCACCUCCACCAAGUCUUCCUAACGUC
>EMBL_CDS:CAH70273 CAH70273.1 Homo sapiens (human) pseudogene similar to part of
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CAGUU
>EMBL_CDS:CAI40469 CAI40469.1 Homo sapiens (human) melanoma inhibitory activity family,
UCGAAACCGUCGAACAUCACUCAACGCCAGUAGAAGGUUAAAGAAAUGGACCAGAAGGUCCAAUG
UAAAUCACCUGUGCCUCCGAGAAUCGAAUUCGACAUUUUCGA
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GUCACACAUGUACAGGUCUUAACGACGUUACAGUGUGUAAAGUCGUAGACACCGUACACGGUCAC
>EMBL_CDS:CAI16380 CAI16380.1 Homo sapiens (human) LysM, putative
AGGAGAGGUAGAAAGAGAAGGAGUCUCAGGUUUGGUAACUUGUCCAGAGACCCGAGACAGUCCUA
CCCCUACAUCUCCC
>EMBL_CDS:CAI13935 CAI13935.1 Homo sapiens (human) small nuclear RNA activating
CCCCUAGCCGUCCUAGGUUCAGGAGUCUUCCGUCACUUAGACGAAGUCUUAGACUGAGCUCUGAA
CUAAGACUCUAGAGG
>EMBL_CDS:CAI39693 CAI39693.1 Homo sapiens (human) novel (FLJ20483) pseudogene
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>EMBL_CDS:CAI39581 CAI39581.1 Homo sapiens (human) HECU, UBA and WWE domain containing 1
CCGAGAAGAUCCUAAGGAGCCCUUAGACGAGGUCUUUACCGGUGCCGUCUUAGAGACCACCUUCU
CGA
>EMBL_CDS:CAI16184 CAI16184.1 Homo sapiens (human) cholinergic receptor, nicotinic,
GGUGUAGACCCUCGGUCUACACAAACCUUCCCUCGGCUUGAAAGAAGUACAACAGUUUGAGAAGU
CCGAAGGUCCACUCC
>EMBL_CDS:CAI13006 CAI13006.1 Homo sapiens (human) polo-like kinase

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3 (Drosophila)
CCACUCGACAGAAGUCCACGACAGAGAUGGUCCGACUGUCCCCGACCCGGUCUUCGACGACCUCG
GAGACCGGACCGUAGGACUACCGGUUGCCUACACGCGUACUCCGGCGAGUGG
>EMBL_CDS:CAH69928 CAH69928.1 Homo sapiens (human) inositol
polyphosphate-5-phosphatase,
GUGACUCGACUGUCCGAACACCAGUGACCAGAAGUCCCGGUACACCGAGACCAUUGAGUCGACUC
AC
>EMBL_CDS:CAI40037 CAI40037.1 Homo sapiens (human) cylicin, basic
protein of sperm
AAGUCACAAACAGAAGAACCUUAAGAAACUUAGAAAGAAUAGAAAAACACUUGUUAAAAAACUCU
GACAGAAUCUUAAAACCCUAAGACCUAAUCAAAGACUU
>EMBL_CDS:CAI18907 CAI18907.1 Homo sapiens (human) carnitine
palmitoyltransferase II
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UUCAACUCAAAGACGUGGCACU
>EMBL_CDS:CAQ09180 CAQ09180.1 Homo sapiens (human) mitochondrially
encoded cytochrome
UGUUAUCCUUAAAGAUAACCCUCUUAAUGAGCUAACAGUUGAAACUCCUCAGCAUCAAGAGGACC
AAAAUUCAGACAACA
>EMBL_CDS:CAI18063 CAI18063.2 Homo sapiens (human) collagen type XI
alpha 2
AGGACCCCCUGGAACACCCGGUAGUCGCGGUAACCCAGGUCGACCUGGAGCUCCAGGACCCCCCG
GUCCACCAGGGUAUCCU
>EMBL_CDS:CAI16169 CAI16169.1 Homo sapiens (human) potassium large
conductance
AUCAAGUCACUACUACCCCUACAACUGGGGUCAACACUACCUACCAACUGCAUUGUAGGGCACGU
GACCCGAC
>EMBL_CDS:CAI17779 CAI17779.1 Homo sapiens (human) HLA complex group
4 pseudogene 5
CUUCCGCCACAUACCUAACCCCUCAGGGUCGGAACCCCUAAGGGGUUGAGGCGUCAAAGAAA
>EMBL_CDS:CAI17611 CAI17611.2 Homo sapiens (human) collagen, type XI,
alpha 2
UCCUGGGAAGAGAGGUACUCCCGGCUACCGUGGGACCCCGGGCCCUUCUGGGACCCAGGGUCCCC
ACGGGACAACAGGUCCUCCAGGA
>EMBL_CDS:CAI18234 CAI18234.1 Homo sapiens (human) poly(A) binding
protein interacting
UACGAAGAACCAUUAGGCCUAGUCGACGUCACUUUCCUUGUGAUACUUUGUGUUAUUGAUACACU
UACUGGUGAUAUUUUACAACCAAGUAAGUGUAUCAUUAACCCUAGAAAAAACCGACAACAUAAAG
ACAUACUACUUCAACGUA
>EMBL_CDS:CAI10948 CAI10948.1 Homo sapiens (human) jumonji domain
containing 1C
CGGUUUCCAUGAACUCAAAAGGACUCGGUGGAAAAGAUUUAAUCACAGUAAACAUUAUAGUUAUU
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>EMBL_CDS:CAI95083 CAI95083.1 Homo sapiens (human) tripartite
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motif-containing 46
GGAGCGAAGGAGGGUCCCAUACAGGGUUUCGGACUGAAUUCGUCGGCCAGGUCCGCCAGACCGAA
CCCCUCUCAAGACGCCCUCUCCGCCCC
>EMBL_CDS:CAI40878 CAI40878.1 Homo sapiens (human) potassium large
conductance
AAAGACGGUACACAGAAGGAGUUAGAAAUACUUACUGGAGUACCUCUUCUCCAACCGUUCGUACC
ACCUCU
>EMBL_CDS:CAD38974 CAD38974.2 Homo sapiens (human) hypothetical
protein
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U
>EMBL_CDS:CAI18078 CAI18078.1 Homo sapiens (human) tenascin XB
GUCGGUGUCGGUCACCUUCCCCCGUCCAAUUACGCCACCCACUUAUGGUGGACGAAGAGGGGAGG
AAGGUGACACACGAGCAUUUCGAC
>EMBL_CDS:CAD38738 CAD38738.1 Homo sapiens (human) hypothetical
protein
CACCGACCCCCGUCCCGGUCCUGUGGAGGAGGAAACCCCAGACGUCAAAGGUCGACCGUCCGGCC
GACUGUCUGACGACCAAGAACUACCCUCCGUCACAGAACAUGAAGGAGCGUCCAAGUG
>EMBL_CDS:CAD39100 CAD39100.1 Homo sapiens (human) hypothetical
protein
UCCCGUCACCCCCAUUGAGACGUAAACCCGGUACCCCCGGGUUCUCGUGAGACAGGAGGUGCCGA
CGAGA
>EMBL_CDS:CAD38978 CAD38978.2 Homo sapiens (human) hypothetical
protein
CCACGUCGAACUACACCGUAGACCCGGGUCACGGGAGUUCACGGUGGUAGAGUCCGACGCGA
>EMBL_CDS:CAD38583 CAD38583.1 Homo sapiens (human) hypothetical
protein
CUCAGUCUAAGACGUAGUCUAAGACUCAGUCCAAGACUAACCGUAAGCCUAAACCCAAGACUGAG
ACUAAGACUAAGCCUAAGACCGAG
>EMBL_CDS:CAD89960 CAD89960.1 Homo sapiens (human) hypothetical
protein
CGAACAUCCCGUUUCUCUCUCCGACGUAGACACCGACAGAGUCUACCCCGAACACAAUAACCGGA
AUUCA
>EMBL_CDS:CAD38951 CAD38951.1 Homo sapiens (human) hypothetical
protein
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AGAGCUCGUGUCAGGGCGG
>EMBL_CDS:CAD39091 CAD39091.1 Homo sapiens (human) hypothetical
protein
CCAUGAGAUCAAUCUUUACCCGACCUAAAAACUCCGUGUCUUAAGUCGAGACAAGGUUGUAAUCU
CCCGG
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protein
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CUUUACCCUAACUACG
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protein
ACCUCACGAACCAGGGUUCGUCGAAGAGAAUGUCCUCCACUCCCUCCGACACUCGGUAGAGGU
>EMBL_CDS:CAH74027 CAH74027.1 Homo sapiens (human) laminin receptor
1 (ribosomal
UCUCGUCCGACGACGAUUUUUUCGACUCCGAUUCCUCCUUAAAGUCCCACUUCCCUGACGGGACC
GAGGACUCACAUGACGAUGAGUCGGACUCCAACGUCGGACGAAA
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protein
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protein
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AGUCUCCCUGACACUA
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protein
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U
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22
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CACCAGGGACCCAGACGUCACU
>EMBL_CDS:CAD38816 CAD38816.2 Homo sapiens (human) hypothetical
protein
ACUUCACCCGCCGGCUCCCCGACAACACGGCCGAGUGGGACGUCCCGUCCCGUCGGUGCCACCGC
AUCAAGU
>EMBL_CDS:CAD38604 CAD38604.1 Homo sapiens (human) hypothetical
protein
UCGUCGUAGAAAAAGAAGUCUGAACCCUCGACCACGGUGGUGUCGGGGCAGACUUCUUCCCACGA
GGA
>EMBL_CDS:CAD38784 CAD38784.1 Homo sapiens (human) hypothetical
protein
CGAAACAGAAGGUCCUCGAUUUUUUCCAGAAAGACCAACUGAUUUUUAUAGAGGACCUCCUUUUC
CA
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protein
GACUUUUUAGGAGAAAACCCUCUACUGAAUCUAACACAUUCACCGUUUCUUUCAACAGCAACUAC
AAACUUCGCGUAAGGAAAGGCAACCGGAAACAGGUCAAAACCGAAAAGGUGUAUUUCUCCCAAAA
ACUC
>EMBL_CDS:CAD38994 CAD38994.1 Homo sapiens (human) hypothetical
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protein
GGGACGACCAGACCUGUUACGGGUGUCACCGGUCAUCCGGCGUCGUACCAUAAGAUUCACCGACC
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>EMBL_CDS:CAI18564 CAI18564.1 Homo sapiens (human) Notch homolog 4
(Drosophila)
GAAGACGGGAGUGUGGGGAACCGAGGCCCAAAGACUGUGGCCCCGGGACCUCUCGACACUCCCGU
CCUC
>EMBL_CDS:CAM25804 CAM25804.1 Homo sapiens (human) collagen, type XI,
alpha 2
CAGGUCCUCCAGGACCGAGAGGGACCCCAGGGUUCGAGGGAAACCCCGGGACCCCUGGUAGGUAC
GGAGCCUG
>EMBL_CDS:CAQ10080 CAQ10080.1 Homo sapiens (human) zinc finger
protein pseudogene
UAUUACUUAUUCUGAAUCGGAGAUUAACUUCCGAAUAAGUAAUGUCCAUGUCUCACAGACAGGUG
AUACUUAGACGUCUACUACUUGUUCCUAACUAAAGACAAACCUCCAAAAACAUAUAAGUAACA
>EMBL_CDS:CAQ09244 CAQ09244.1 Homo sapiens (human) mitochondrial
ribosomal protein
AACUCUAACCACCUCACCUGGAAGAGUAAUGAGUAGUAGAUCUCCUUCCAGGAGUAGUAGAGAUG
AAGAGUU
>EMBL_CDS:CAH71081 CAH71081.1 Homo sapiens (human) rearranged L-myc
fusion
ACGUAUCAAAGUCUCACUAGAUCACACAGUUAAUCGAGAAGUAAGUAACUUCGACUUCUCGAUAC
UGAAUUGACUAGUGAUCUUAAUGACAGU
>EMBL_CDS:CAJ20055 CAJ20055.1 Homo sapiens (human) Cox18Hs1 protein
AAGGUGGAACCGGUCCUACAUCACGACCAUCCGACGGUUUCCGUCGCACUGUCGUGGGGCAUUCC
GGUGCCACCUC
>EMBL_CDS:CAL06519 CAL06519.1 Homo sapiens (human) immunoglobulin
heavy chain variable
AGUCCGACCAGUAAACGUUUAUGUCGCACCUGAACCUUAACAGAGACCUCUACCACUUGGCCGGG
AAGUGCCUCAGACGCAUCAUACACGAUACUGGUCAUACU
>EMBL_CDS:CAJ57189 CAJ57189.1 Homo sapiens (human) immunoglobulin
variable kappa
AAUCCUCGAAUCCUCGAAAGGGACCAAAGACGACUAUGGUCCGAUUUCGUGAUGAUUACGGGACU
>EMBL_CDS:CAJ84703 CAJ84703.1 Homo sapiens (human) cytochrome P450
1A1
GCACGAAUAGUCCUGGAGUCGGAGGAACGAGUGUACGAGAAGGUCCAUCGUCCUCCAACUCCUCC
GACCCAGUCUCCGUUAC
>EMBL_CDS:CAJ75539 CAJ75539.1 Homo sapiens (human) immunoglobulin
lambda light chain
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>EMBL_CDS:CAJ75485 CAJ75485.1 Homo sapiens (human) immunoglobulin
heavy chain
CACGAAGUGCACCGUACAGUGCCUGAACGGCCGAUCCGUGACACACCGGCCGUCCCAGUCGACCG
ACGAGCACCACAUG
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>EMBL_CDS:CAK50629 CAK50629.1 Homo sapiens (human) immunoglobulin A heavy chain
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CUUAUAAAACACAGUGGUGACGGUCGCACCUAG

>EMBL_CDS:CAK50713 CAK50713.1 Homo sapiens (human) immunoglobulin A heavy chain
GUCCAGUCACACUCCCAGACACACCCGAAGUCACGACACCCUGGUCUGGGAGCUCCAACUGGAC

>EMBL_CDS:CAM34545 CAM34545.1 Homo sapiens (human) autogenous vein graft remodeling
CGCGGGUGGUGGUGCGGGUCGAUUAAAACAAAACAUAAAAAACUCUACCCAAAGGACACAAUCGG
UCCUACCAGAGCUAGAGGACUGGAACACUGAUGUGCCACUUUGAGACGGAGAUGAUUUUUAUGUU
UUUUAAUCGGCCCGCACCACCACCCGCG

>EMBL_CDS:CAQ37746 CAQ37746.1 Homo sapiens (human) putative ankyrin repeat and sterile
AUCCCUCGGUGGUCACCACAUUCACGAAACCGAUUCACUACCUCUGUUGACUCCUCCUCACACUA
AUGGUGACCCAAGGGAC

>EMBL_CDS:BAA95561 BAA95561.1 Homo sapiens (human) liver-type 1-phosphofructokinase
GAGGAACCCCCCGAAGACCACCCGCUCCUCGAACAUUUACAAGGUCAACAAGAGCUUCGAGGGUG
GUGCCUC