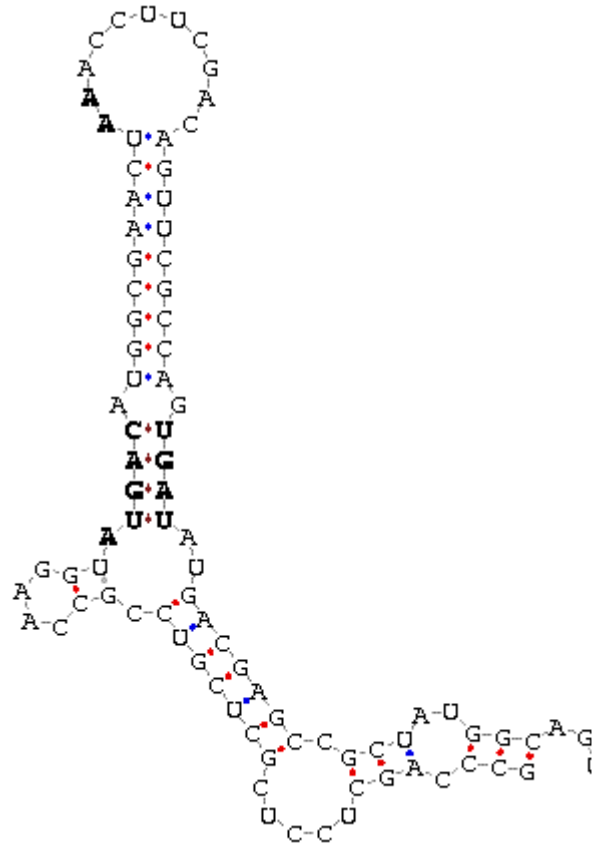


SECISearch results on the *P.infestans* genome. Total hits: 72

1 >supercont1.1: 6616356 - 6616444
Free Energy: -26.28

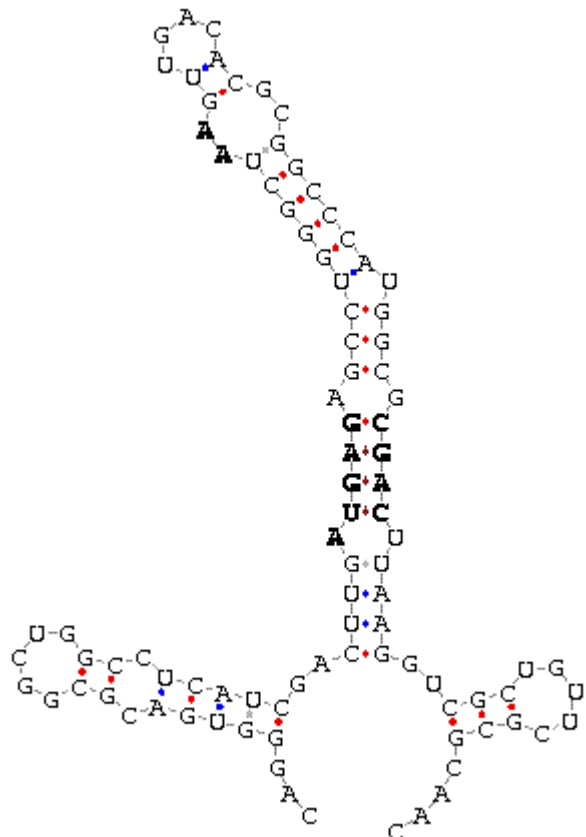
GCCCAGCUCC UCGCUCG UCCGCCAAGGU
AUGAC AUGGCGAACU AA ACCUUCGA
CAGUUCGCCA GUGAU AUGA CGAGCCG
CUAUGGCAGU

COVE score: 17.84



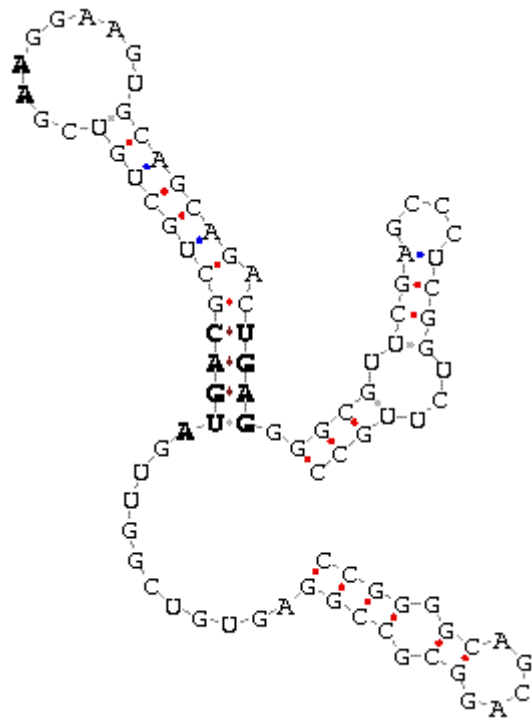
2 >supercont1.1: 4002889 - 4002796 (SECIS
on complementary strand)
Free Energy: -28.80

CAGGGUGACG CGGCUGG CCUCAUCGACUUG
AUGAG AGCCUGGGCU AA GUUGACACGC
GGCCAUGGC GCGAC UUAAG GUCGCGU
UUCGCGCAAC



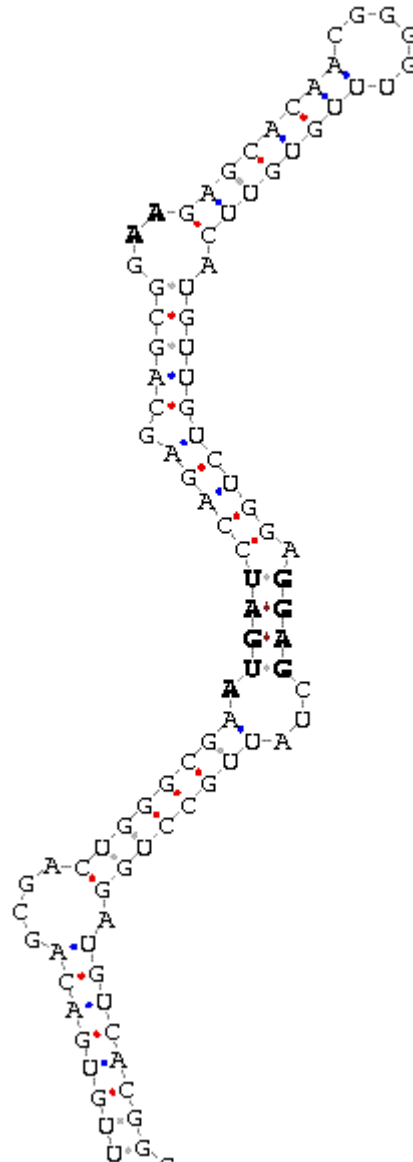
3 >supercont1.4: 4618910 - 4618820 (SECIS on complementary strand)
Free Energy: -26.39

CCGGGGCAGC AGGCGCC GGAGUGUCGGUUG
AUGAC GCUGCUGUCG **AA** GGAAG
 UGCAGCAGAC **UGAG** GGGCGUUC GAGCCCU
 CGGUCUUGCC



4 >supercont1.4: 593426 - 593316 (SECIS on complementary strand)
Free Energy: -37.10

AAGGGUAUUG UGACAGC GACUGGGCGA
AUGAU CCAGAGCAGCGG **AA** GA GCACAA
CGGGU UUGUGU U CAUGUUGUCUGG



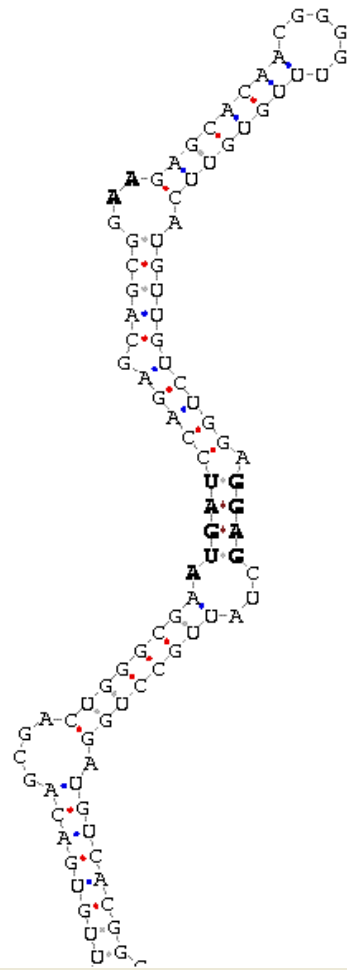
5 >supercont1.5: 4060573 - 4060683

Free Energy: -37.10

AAGGGUAUUG UGACAGC GACUGGGCGA

AUGAU CCAGAGCAGCGG AA GA GCACAA

CGGGGU UUGUGU U CAUGUUGUCUGG



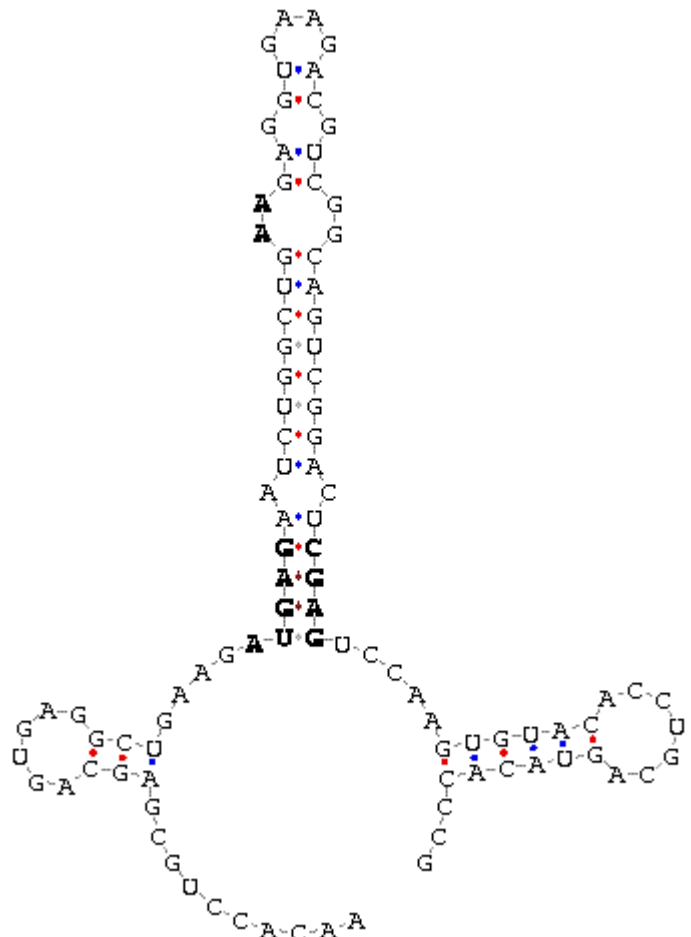
6 >supercont1.5: 4496612 - 4496711

Free Energy: -25.30

AACACCUGCG AGCAGUG AGGCUGAAG

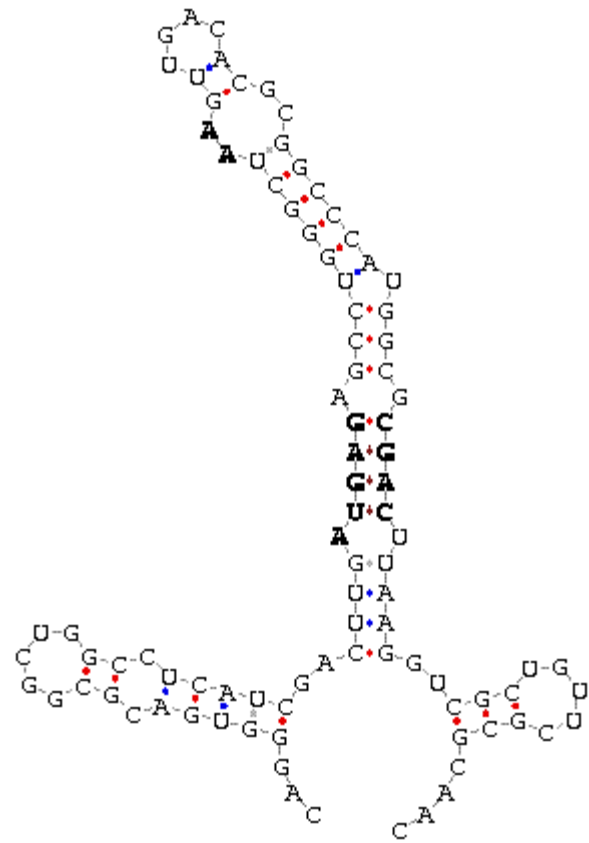
AUGAG AAUCUGGCUG AA GA GGU GAAGAC

GUC GG CAGUCGGACU



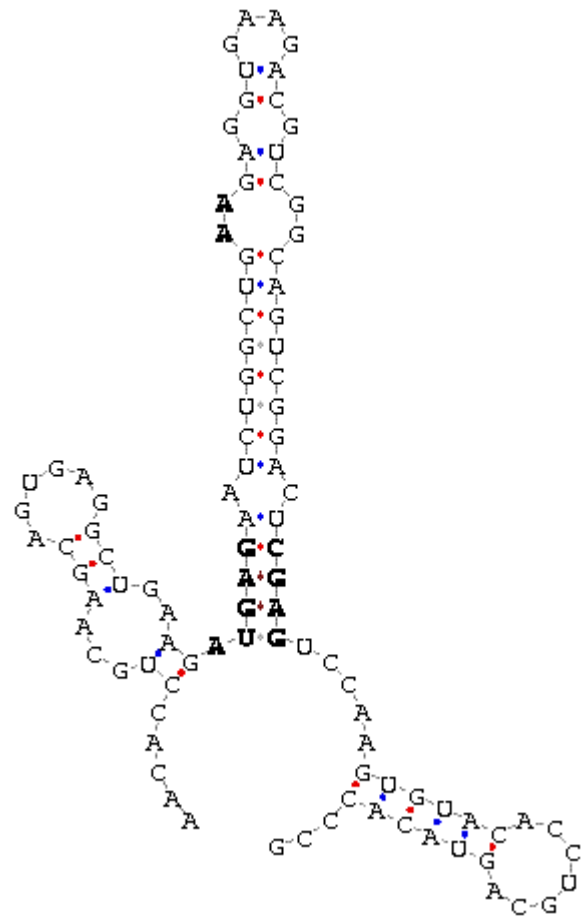
7 >supercont1.6: 1460343 - 1460250 (SECIS on complementary strand)
Free Energy: -28.80

CAGGGUGACG CGGCUGG CCUCAUCGACUUG
AUGAG AGCCUGGGCU **AA** GUUGACACGC
 GGCCAUGGC **GCGAC** UUAAG GUCGCUG
 UUCGCGCAAC



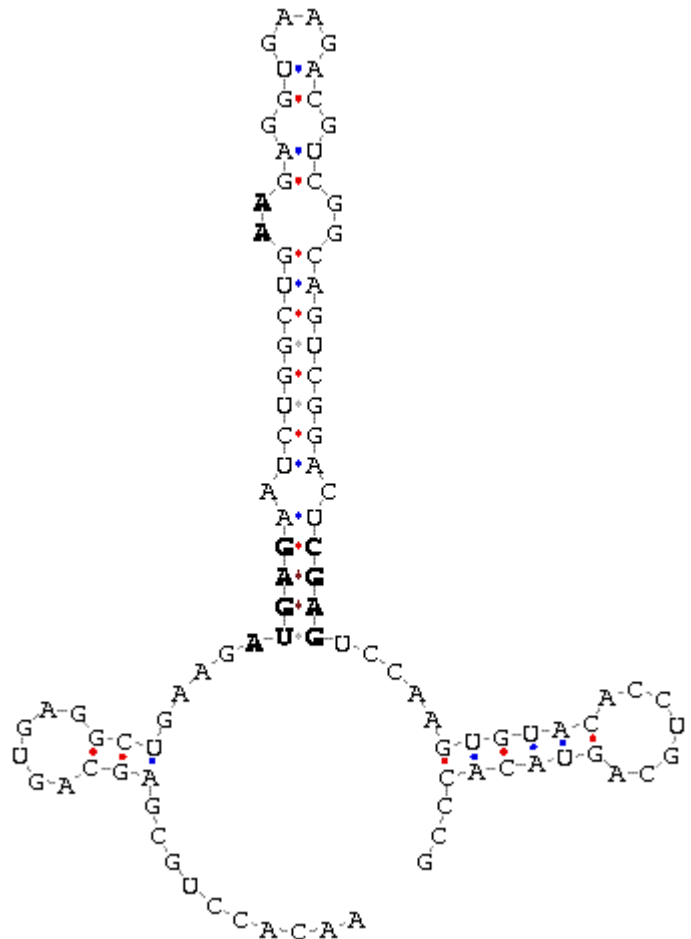
8 >supercont1.6: 633923 - 633824 (SECIS on complementary strand)
Free Energy: -25.90

AACACCUGCA AGCAGUG AGGCUGAAG
AUGAG AAUCUGGCUG **AA** GA GGU **GAAGAC**
 GUC GG CAGUCGGACU



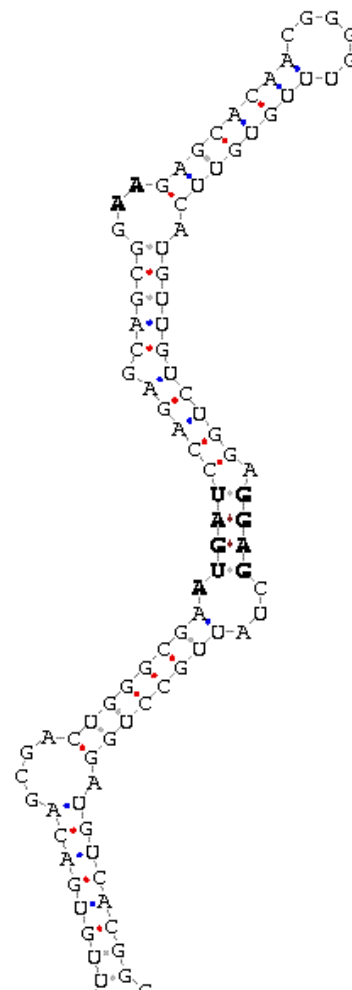
9 >supercont1.7: 1903185 - 1903086 (SECIS
on complementary strand)
Free Energy: -25.30

AACACCUGCG AGCAGUG AGGCUGAAG
AUGAG AAUCUGGCUG **AA** GA GGU **GAAGAC**
 GUC GG CAGUCGGACU



10 >supercont1.7: 1325874 - 1325764 (SECIS
on complementary strand)
Free Energy: -37.10

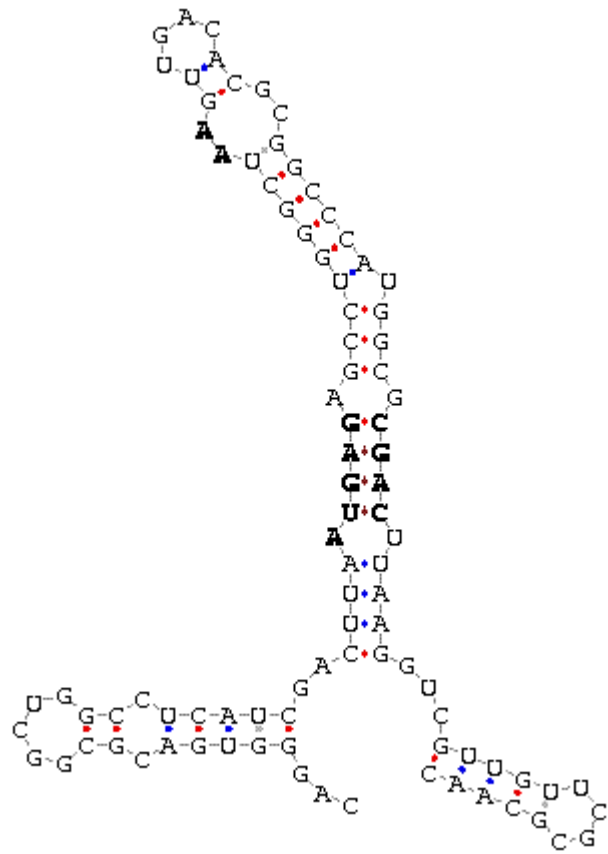
AAGGGUAUUG UGACAGC GACUGGGCGA
AUGAU CCAGAGCAGCGG **AA** GA GCACAA
CGGGU UUGUGU U CAUGUUGUCUGG



11 >supercont1.8: 663255 - 663348

Free Energy: -29.50

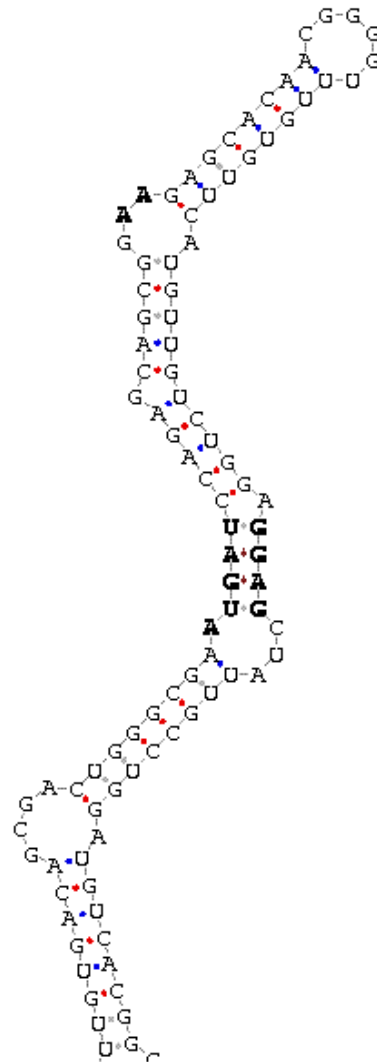
CAGGGUGACG CGGCUGG CCUCAUCGACUUA
AUGAG AGCCUGGGCU AA GUUGACACGC
GGCCAUGGC GCGAC UUAAG GUCGUUG
UUCGCGCAAC



12 >supercont1.8: 2076210 - 2076320

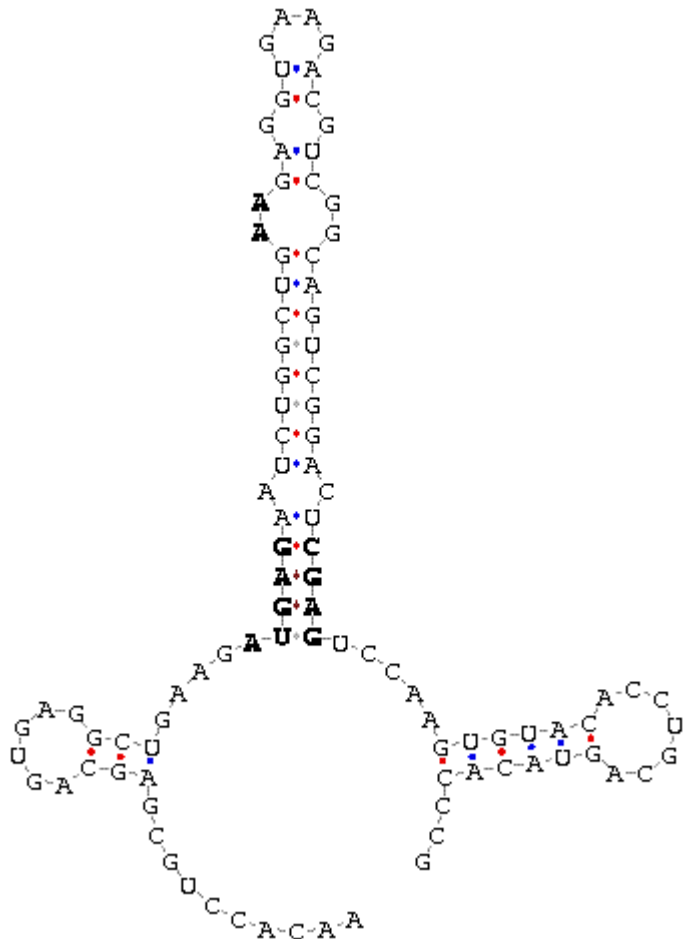
Free Energy: -37.10

AAGGGUAAUUG UGACAGC GACUGGGCGA
AUGAU CCAGAGCAGCGG AA GA GCACAA
CGGGGU UUGUGU U CAUGUUGUCUGG



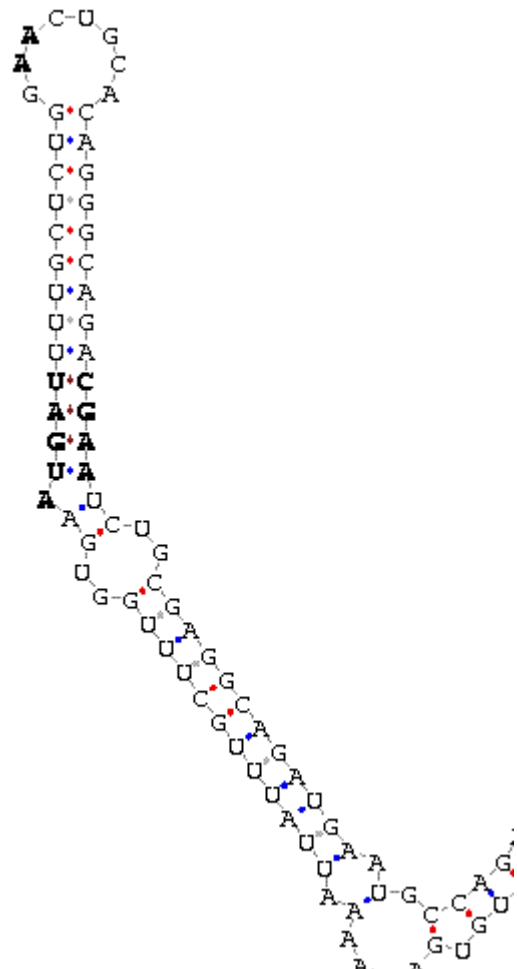
13 >supercont1.10: 3496738 - 3496639 (SECIS on complementary strand)
Free Energy: -25.30

AACACCUGCG AGCAGUG AGGCUGAAG
AUGAG AAUCUGGCUG **AA** GA GGU **GAAGAC**
 GUC GG CAGUCGGACU



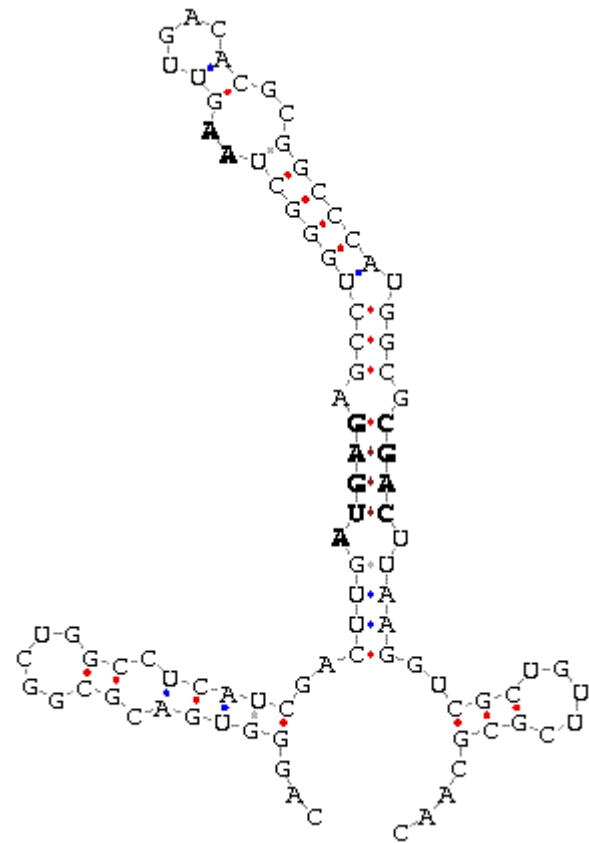
14 >supercont1.11: 1725398 - 1725313 (SECIS on complementary strand)
Free Energy: -25.00

CUGUGAGAAA AUUAUUU GCUUUGGUGA
AUGAU UUUGCUCUGG **AA** CUGC
 ACAGGGCAGA **CGAA** UCUGCGA GGCAGAU
 GAAUGCCAGA



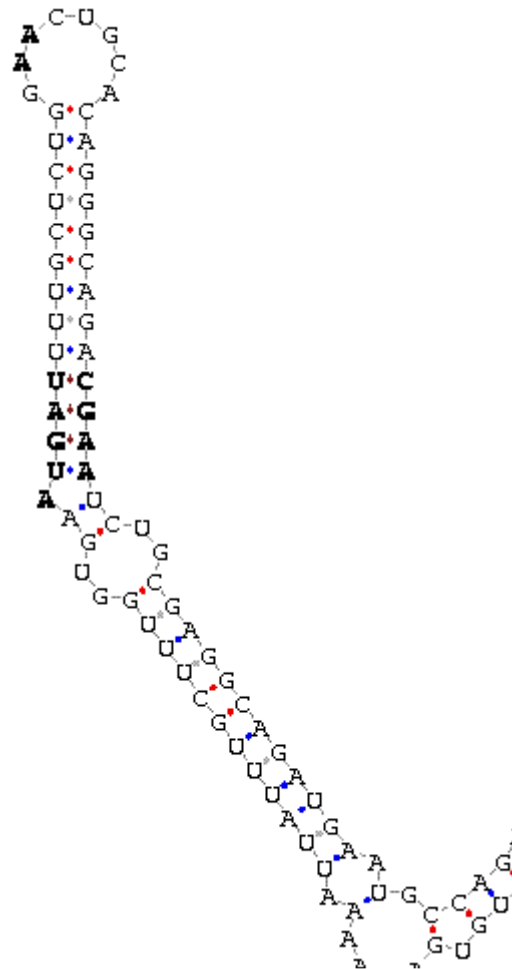
17 >supercont1.13: 2400266 - 2400173 (SECIS on complementary strand)
Free Energy: -28.80

CAGGGUGACG CGGCUUG CCUCAUCGACUUG
AUGAG AGCCUGGGCU **AA** GUUGACACGC
 GGCCAUGGC **GCGAC** UUAAG GUCGCUG
 UUCGCGCAAC



18 >supercont1.13: 1595417 - 1595332 (SECIS on complementary strand)
Free Energy: -25.00

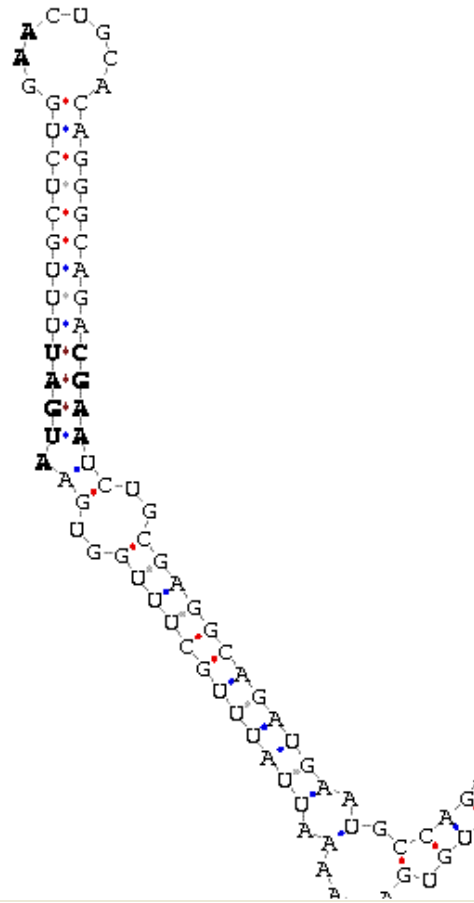
CUGUGAGAAA AUUAUUU GCUUUGGUGA
AUGAU UUUGCUCUGG **AA** CUGC
 ACAGGGCAGA **CGAA** UCUGCGA GGCAGAU
 GAAUGCCAGA



19 >supercont1.14: 23738 - 23823

Free Energy: -25.00

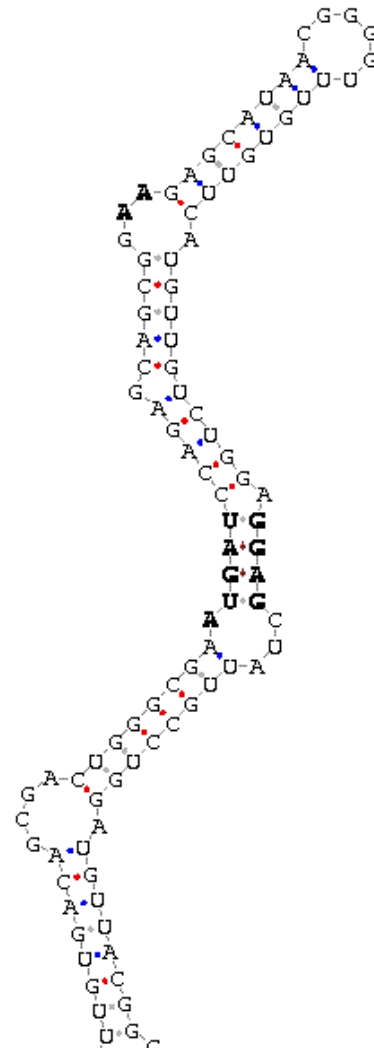
CUGUGAGAAA AUUAUUU GCUUUGGUGA
AUGAU UUUGCUCUGG AA CUGC
ACAGGGCAGA CGAA UCUGCGA GGCAGAU
GAAUGCCAGA



20 >supercont1.14: 1117632 - 1117742

Free Energy: -32.80

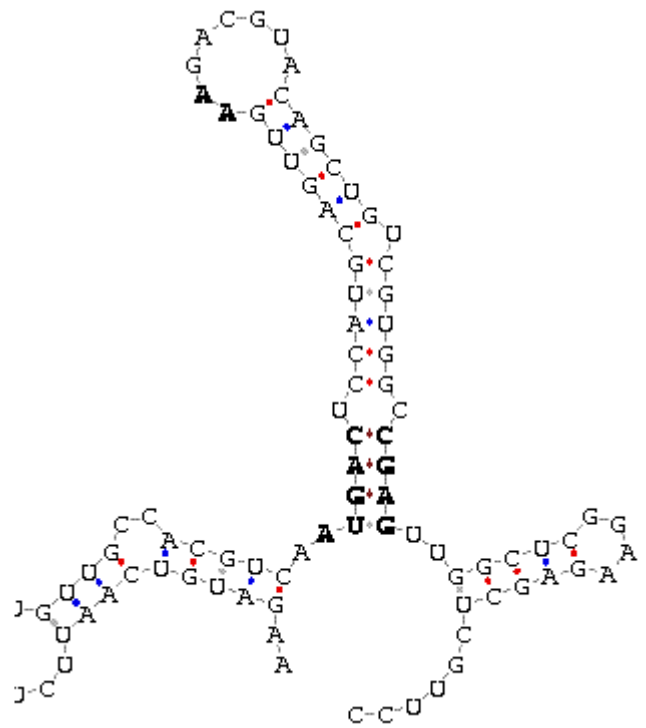
AAGGGUAUUG UGACAGC GACUGGGCGA
AUGAU CCAGAGCAGCGG AA GA GCAUAA
CGGGGU UUGUGU U CAUGUUGUCUGG



21 >supercont1.17: 1033817 - 1033910

Free Energy: -25.30

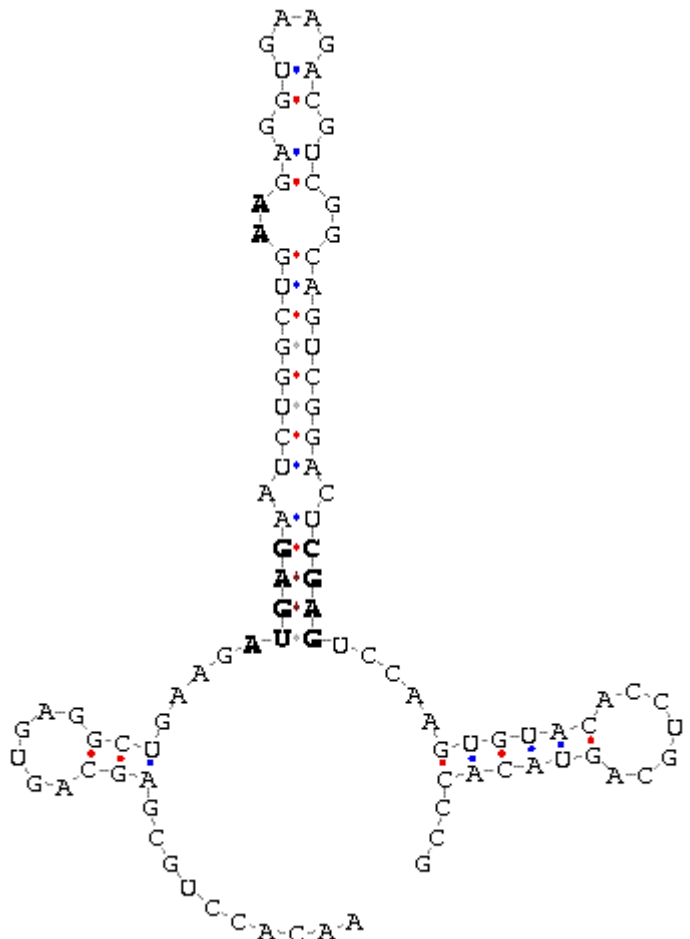
AAGAUGUCAA UUCUCUG UGUUGCCACGUCA
AUGAC UCCAUGCAGUUG AA GACGUA
CAGCUGUCGUGG CCGAG UUGGC UCGGAAG
AGCUCGUUCC



22 >supercont1.17: 2643625 - 2643724

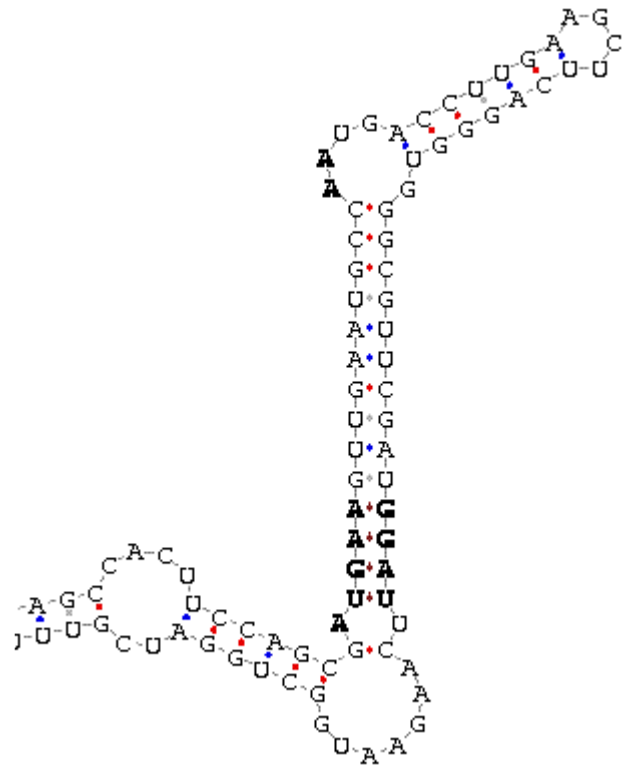
Free Energy: -25.30

AACACCUGCG AGCAGUG AGGCUGAAG
AUGAG AAUCUGGCUG AA GA GGU GAAGAC
GUC GG CAGUCGGACU



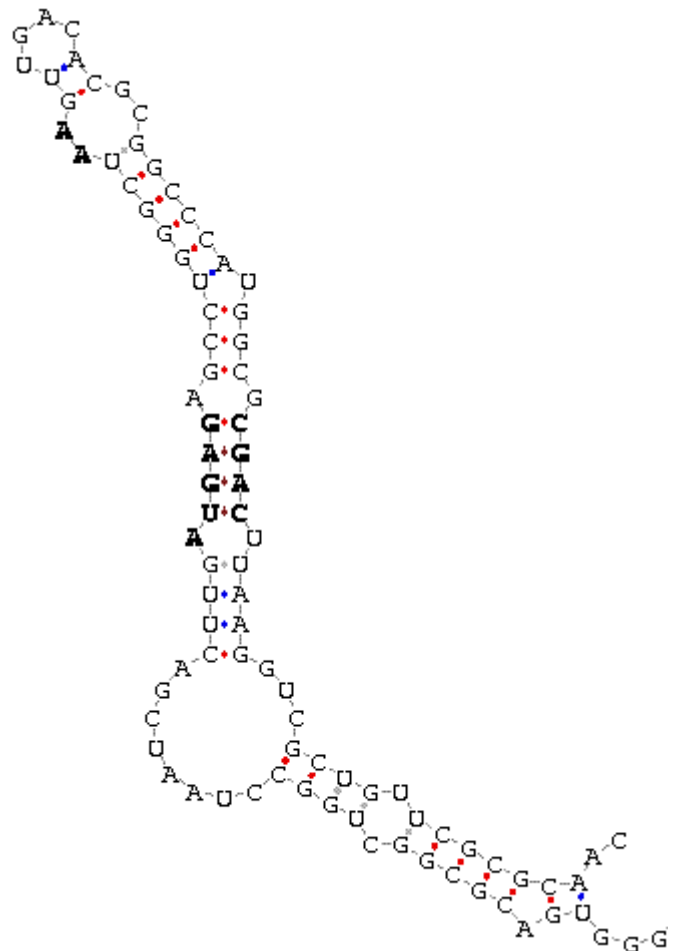
23 >supercont1.18: 497744 - 497841
Free Energy: -29.34

ACAGCACUAG AGCCACU UCCAGCG **AUGAA**
GUUGAAUGCC **AA** UG ACCUUG **AAGCUU**
CAGGGU GGGCGUUCGAU GGAU



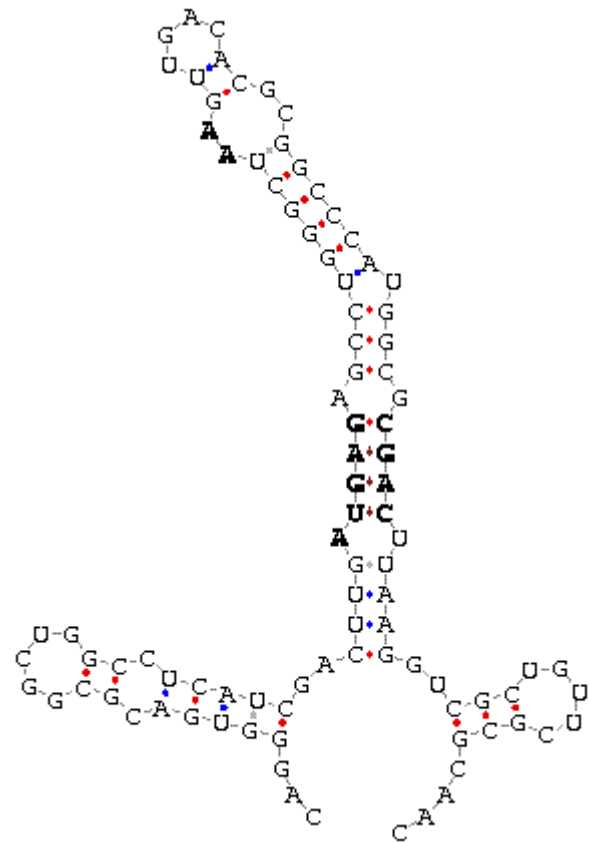
24 >supercont1.19: 961238 - 961331
Free Energy: -28.35

CAGGGUGACG CGGCUGG CCUAAUCGACUUG
AUGAG AGCCUGGGCU **AA** GUUGACACGC
GGCCAUUGC **GCGAC** UUAAG GUCGCUG
UUCGCGCAAC



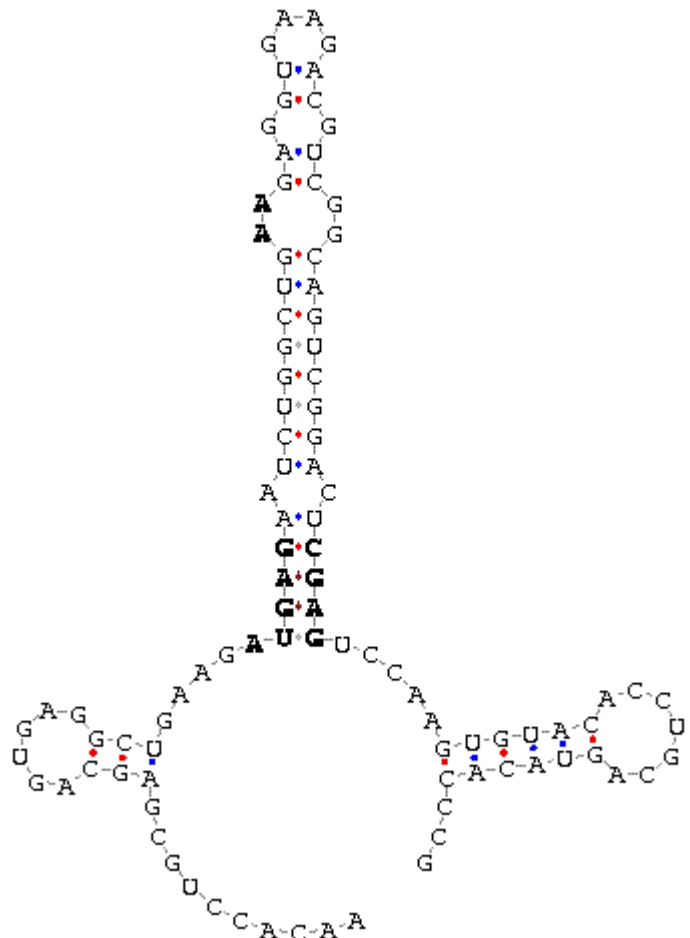
25 >supercont1.19: 1118564 - 1118471 (SECIS on complementary strand)
 Free Energy: -28.80

CAGGGUGACG CGGCUGG CCUCAUCGACUUG
AUGAG AGCCUGGGCU **AA** GUUGACACGC
 GGCCAUGGC **GCGAC** UUAAG GUCGCUG
 UUCGCGCAAC



26 >supercont1.20: 606221 - 606320
 Free Energy: -25.30

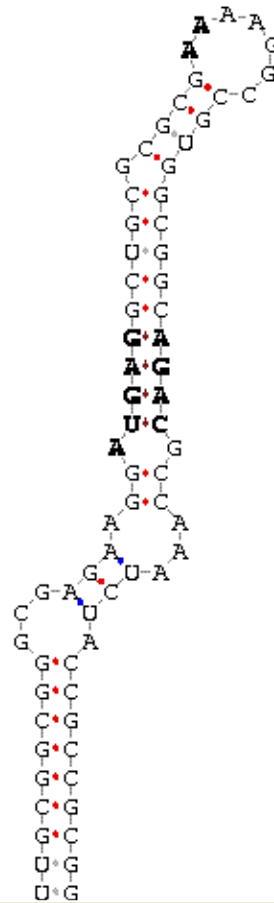
AACACCUGCG AGCAGUG AGGCUGAAG
AUGAG AAUCUGGCUG **AA** GA GGU **GAAGAC**
 GUC GG CAGUCGGACU



27 >supercont1.20: 862573 - 862663

Free Energy: -37.40

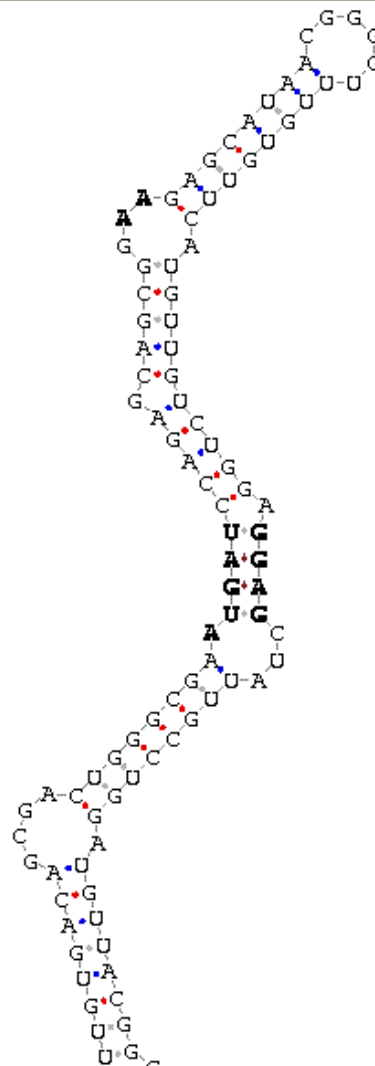
CGUCACCAGU GUUGC GG CGGGCGAGAAGG
AUGAG GCUGCGCGCG AA AAGG
CCGUGGCGGC AGAC GCCAAAUCUA CCGCCGC
GGAGCCGGGU



28 >supercont1.21: 2103940 - 2104050

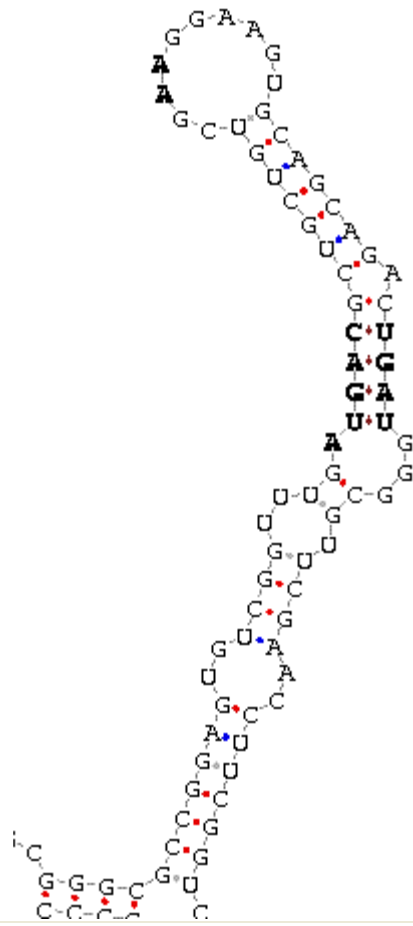
Free Energy: -32.80

AAGGGUAUUG UGACAGC GACUGGGCGA
AUGAU CCAGAGCAGCGG AA GA GCAUAA
CGGGGU UUGUGU U CAUGUUGUCUGG



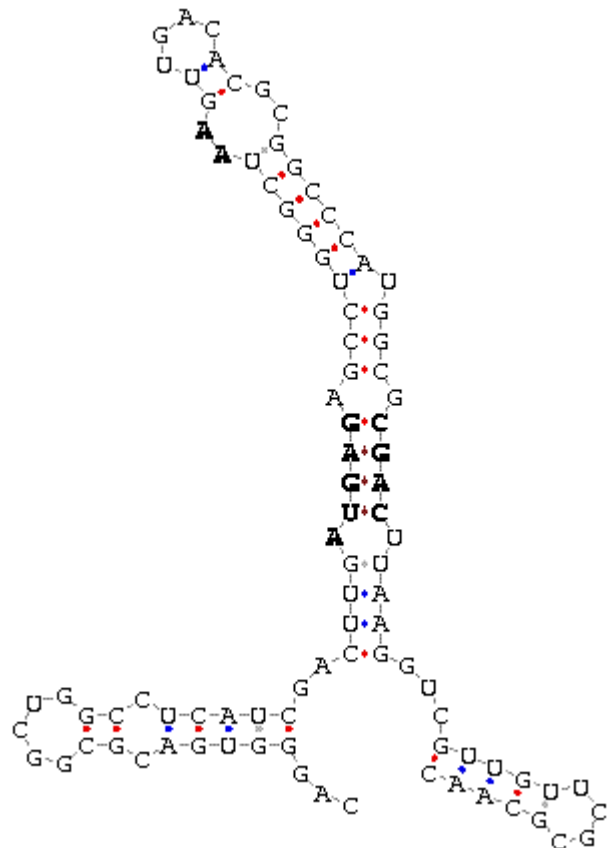
29 >supercont1.22: 754503 - 754414 (SECIS
on complementary strand)
Free Energy: -28.79

GCAGCGGGCG CCGGAGU GUCGGUUUG
AUGAC GCUGCUGUCG **AA** GGAAG
UGCAGCAGAC **UGAU** GGGCGUUCGA
ACCUUCGG UCUUGCCCUC



30 >supercont1.24: 785898 - 785805 (SECIS
on complementary strand)
Free Energy: -29.20

CAGGGUGACG CGGCUGG CCUCAUCGACUUG
AUGAG AGCCUGGGCU **AA** GUUGACACGC
GGCCAUGGC **GCGAC** UUAAG GUCGUUG
UUCGCGCAAC



31 >supercont1.26: 1766808 - 1766894

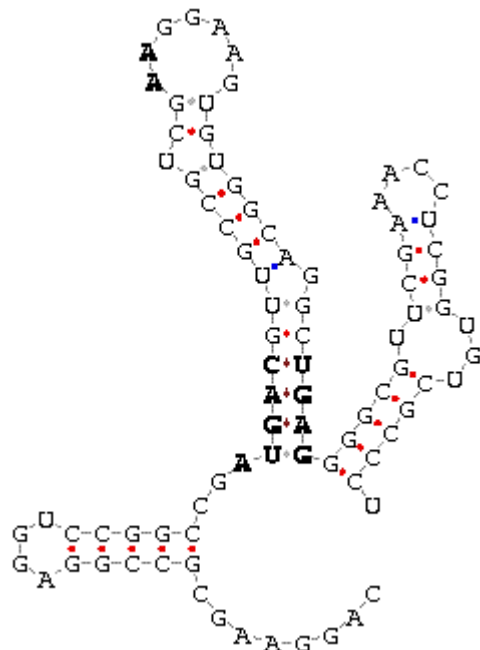
Free Energy: -26.70

CAGGAAGCGC CGGAGGU CCGGCCG **AUGAC**

GUUGCCGUCG **AA** GGAAG UGUGGCAGGC

UGAG GGGCGUUCGA AACCU CG

GUGUCGCCCU



32 >supercont1.26: 442173 - 442085 (SECIS

on complementary strand)

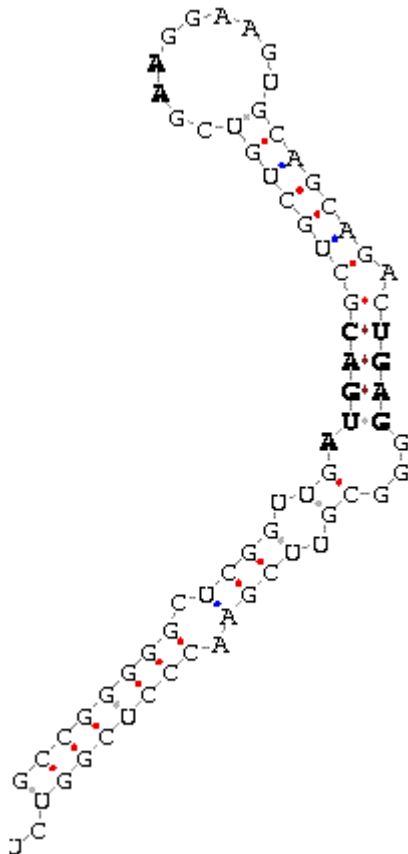
Free Energy: -35.89

GCAGCGGGCG CCGGGGG CUCGGUUG **AUGAC**

GCUGCUGUCG **AA** GGAAG UGCAGCAGAC

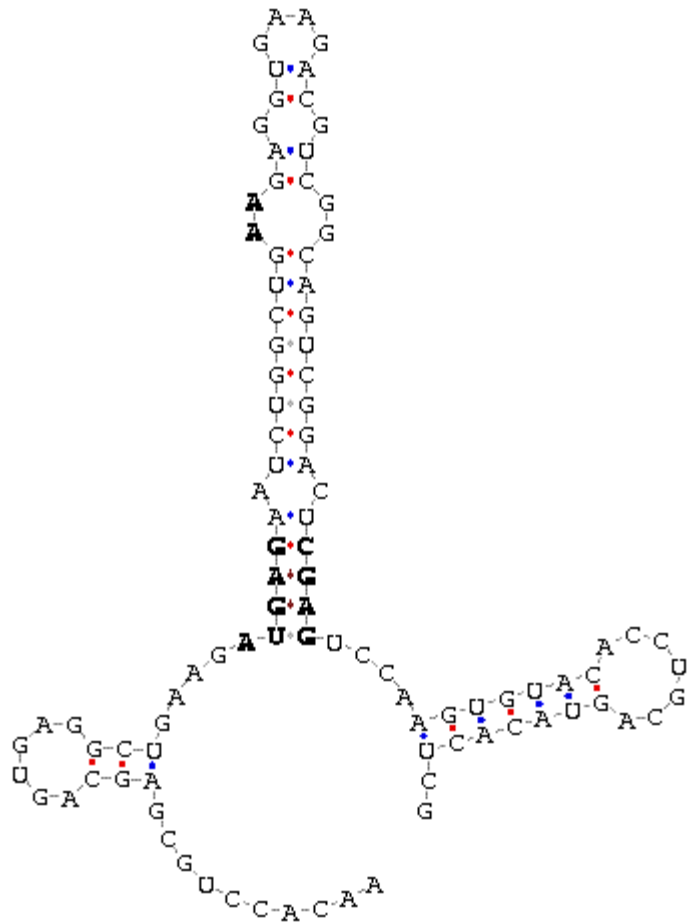
UGAG GGGCGUUCGA ACCCUCGG

UCUUGCCUC



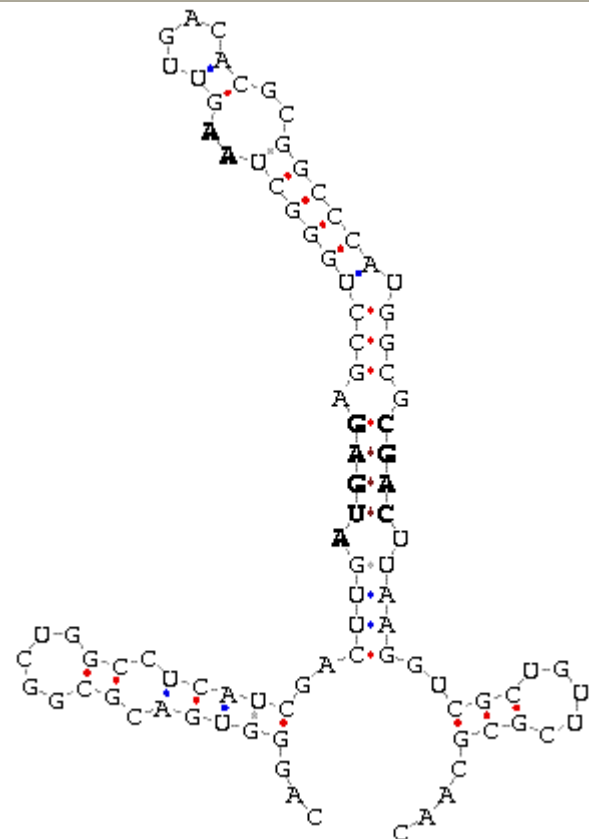
33 >supercont1.27: 1110347 - 1110248 (SECIS on complementary strand)
 Free Energy: -26.40

AACACCUGCG AGCAGUG AGGCUGAAG
AUGAG AAUCUGGCUG **AA** GA GGU **GAAGAC**
 GUC GG CAGUCGGACU



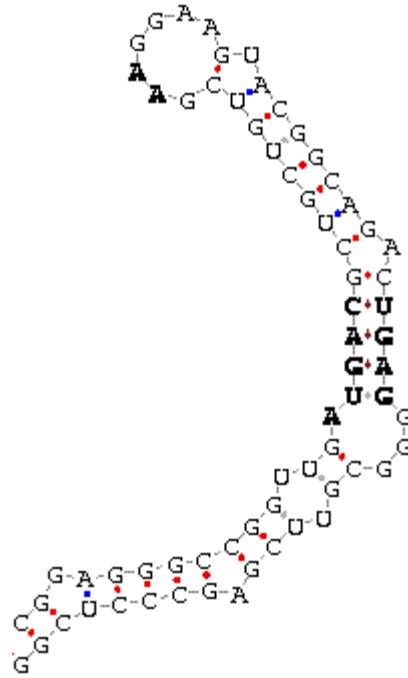
34 >supercont1.28: 1876068 - 1875975 (SECIS on complementary strand)
 Free Energy: -28.80

CAGGGUGACG CGGCUGG CCUCAUCGACUUG
AUGAG AGCCUGGGCU **AA** GUUGACACGC
 GGCCAUGGC **GCGAC** UUAAG GUCGCUG
 UUCGCGCAAC



35 >supercont1.28: 178742 - 178652 (SECIS on complementary strand)
Free Energy: -32.20

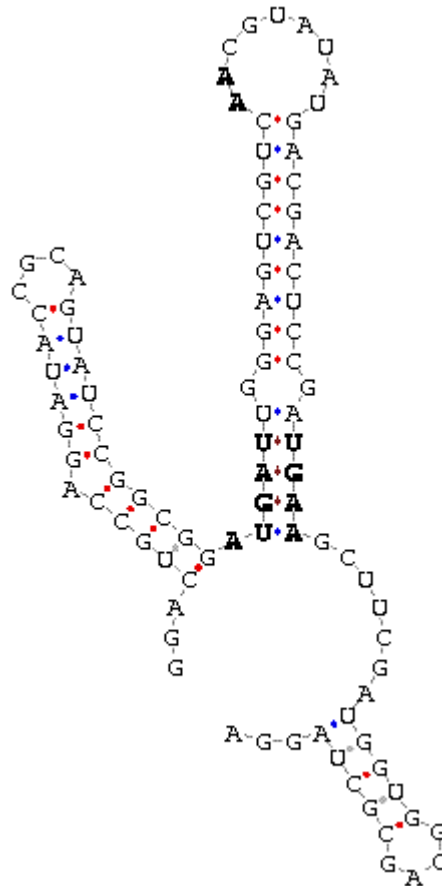
CCGGGGCAGC AGGCGCC GGAGGGCCGGUUG
AUGAC GCUGCUGUCG **AA** GGAAG
 UACGGCAGAC **UGAG** GGGCGUUC GAGCCCU
 CGGUCUUGCC



36 >supercont1.29: 1285740 - 1285833
Free Energy: -32.50

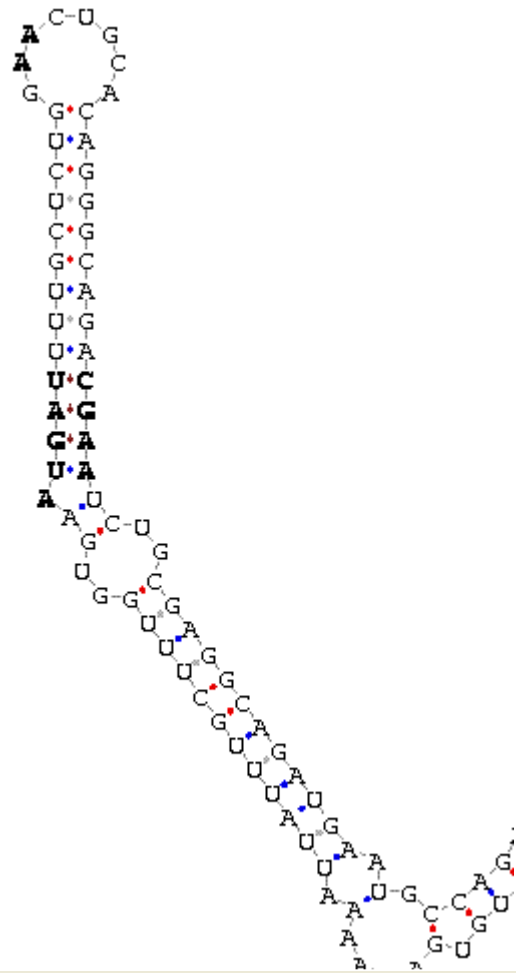
GGACUGCCAG GAUACCG CAGUAUCCGGCGG
AUGAU UGGGAGUCGUC **AA** CGUAUA
 UGACGACUCCG **AUGAA** GCUUCGA UGGUGGC
 AGCGCUAGGA

COVE score: 15.15



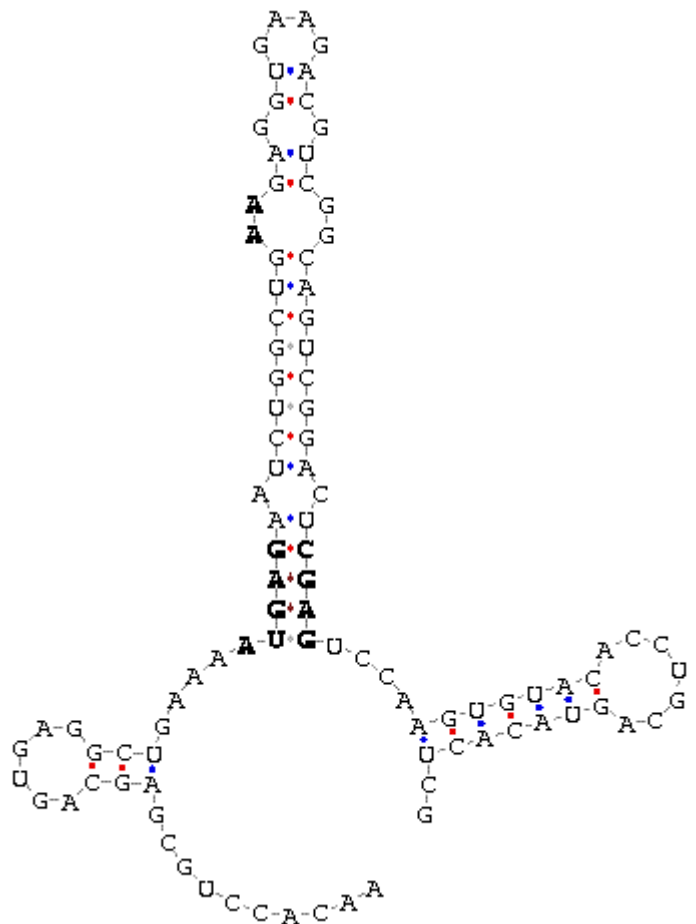
37 >supercont1.29: 2104046 - 2104131
Free Energy: -25.00

CUGUGAGAAA AUUAUUU GCUUUGGUGA
AUGAU UUUGCUCUGG **AA** CUGC
ACAGGGCAGA **CGAA** UCUGCGA GGCAGAU
GAAUGCCAGA



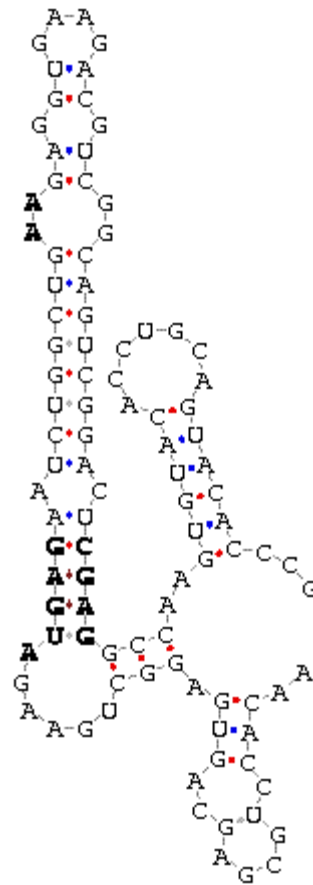
38 >supercont1.30: 682969 - 682870 (SECIS
on complementary strand)
Free Energy: -26.40

AACACCUGCG AGCAGUG AGGCUGAAA
AUGAG AAUCUGGCUG **AA** GA GGU **GAAGAC**
GUC GG CAGUCGGACU



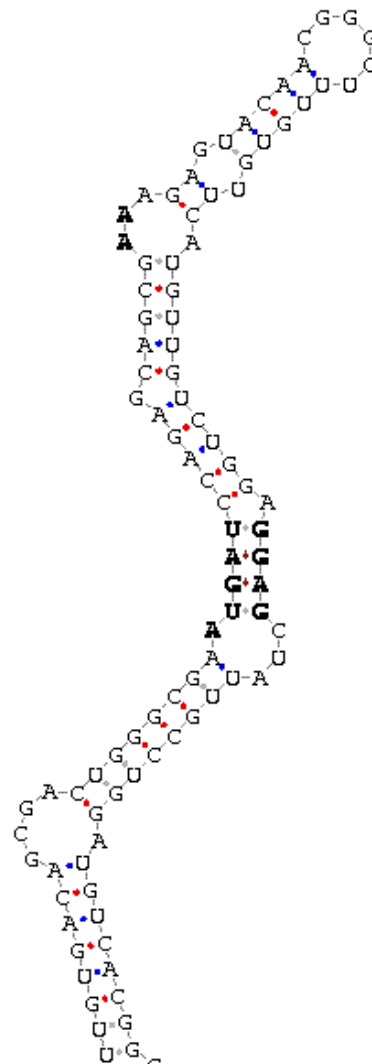
39 >supercont1.31: 1788590 - 1788491 (SECIS on complementary strand)
Free Energy: -26.10

AACACCUGCG AGCAGUG AGGCUGAAG
AUGAG AAUCUGGCUG **AA** GA GGU **GAAGAC**
GUC GG CAGUCGGACU



40 >supercont1.32: 899459 - 899349 (SECIS on complementary strand)
Free Energy: -31.50

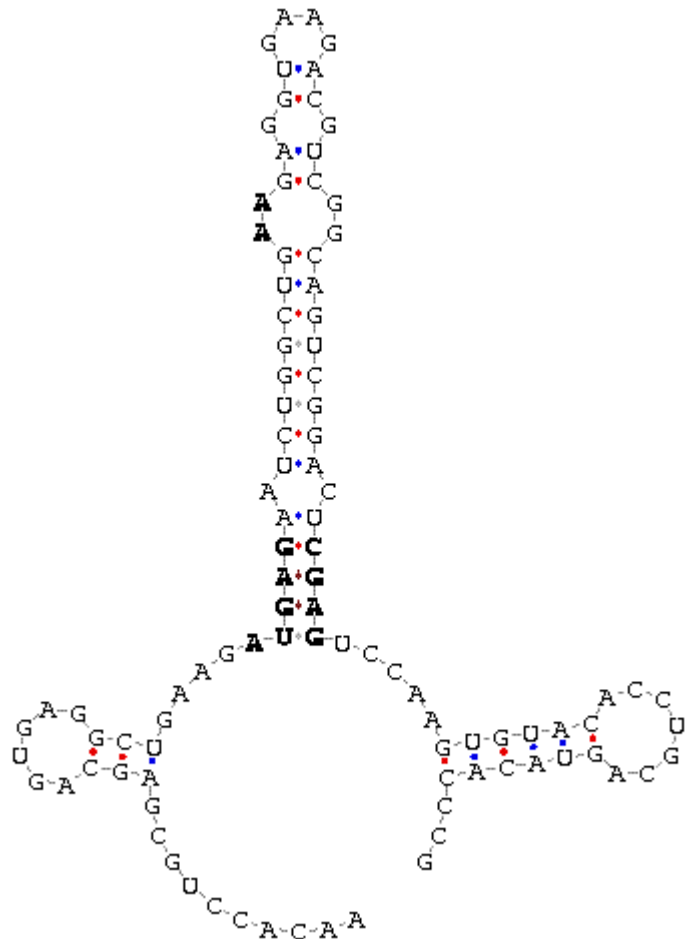
AAGGGUAUUG UGACAGC GACUGGGCGA
AUGAU CCAGAGCAGCG **AA** AGA GUACAA
CGGGCU UUGUGU UC AUGUUGUCUGG



41 >supercont1.34: 747806 - 747905

Free Energy: -25.30

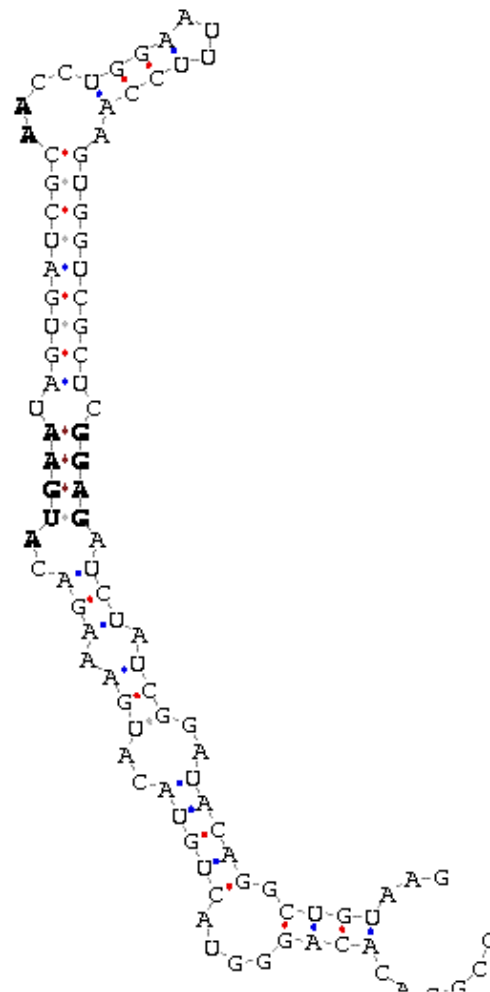
AACACCGCG AGCAGUG AGGCUGAAG
AUGAG AAUCUGGCUG AA GA GGU GAAGAC
GUC GG CAGUCGGACU



42 >supercont1.34: 1398967 - 1399063

Free Energy: -26.10

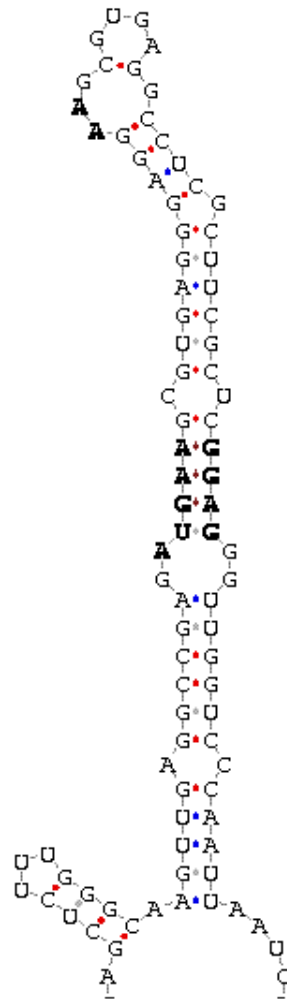
GCGCACACAG GGUACUG UACAUGAAAGAC
AUGAA UAGUGAUCGC AA CC UGG AAUUU
CCA AGUGGUCGCU CGGAG



43 >supercont1.39: 164251 - 164156 (SECIS on complementary strand)
Free Energy: -27.10

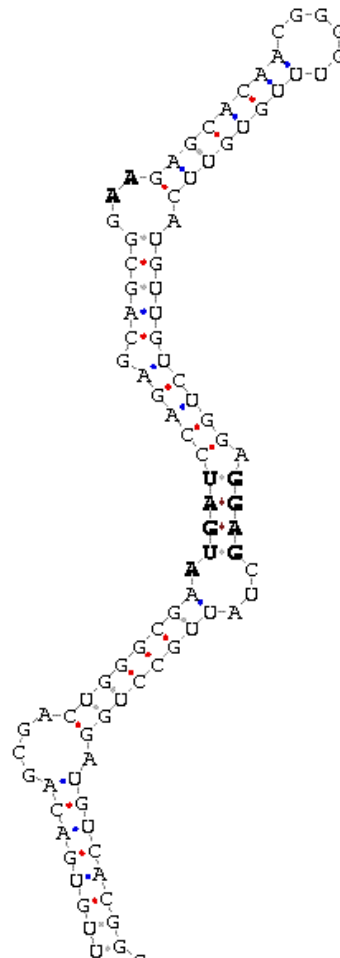
GCGGAGCUCU UUGGGCA AGUUGAGGCCGAG
AUGAA GCGUGAGGGAGG **AA** GCGUGAGG
CCUCGCUUCGCU **CGGAG** GGUUG GUCCCAA
UUAUUCAGGC

COVE score: 6.01



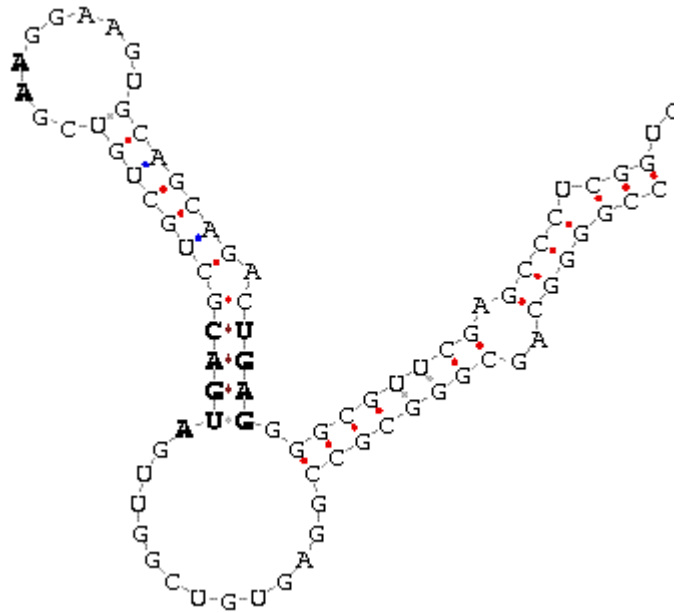
44 >supercont1.44: 1162627 - 1162517 (SECIS on complementary strand)
Free Energy: -37.10

AAGGGUAUUG UGACAGC GACUGGGCGA
AUGAU CCAGAGCAGCGG **AA** GA GCACAA
CGGGGU UUGUGU U CAUGUUGUCUGG



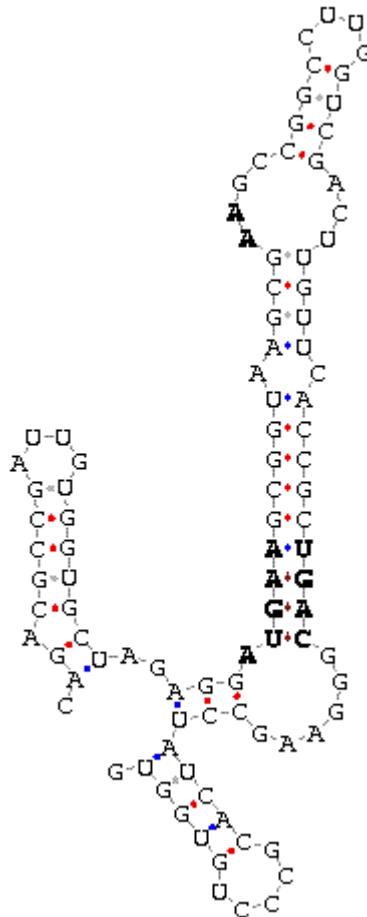
45 >supercont1.46: 966174 - 966084 (SECIS on complementary strand)
Free Energy: -28.60

CCGGGGCAGC GGGCGCC GGAGUGUCGGUUG
AUGAC GCUGCUGUCG **AA** GGAAG
 UGCAGCAGAC **UGAG** GGGCGUUC GAGCCCU
 CGGUCUUGCU



46 >supercont1.51: 765889 - 765986
Free Energy: -27.06

CAGACGCCGA UUGUGGU GCUAGAGG **AUGAA**
 GCGGUAAGCG **AA** GC CGG **CCUUGG** UCG ACU
 UGUUCACCGC

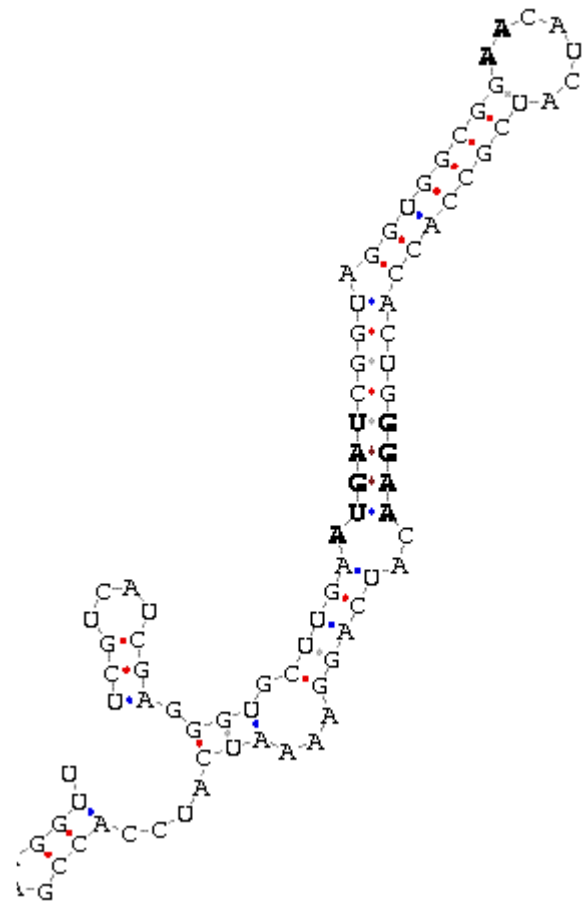


47 >supercont1.55: 113864 - 113777 (SECIS on complementary strand)
Free Energy: -25.60

UCGUCAUCGA GGGUGCU UGA **AUGAU**
CGGUAGGUGGCGG **AA** CAUC
AUCGCCACCACUG **GGAA** CAUCAGGAAA
AUCAUCC ACCGAAGUU

COVE score: 6.69

(CCACCGAAGG)

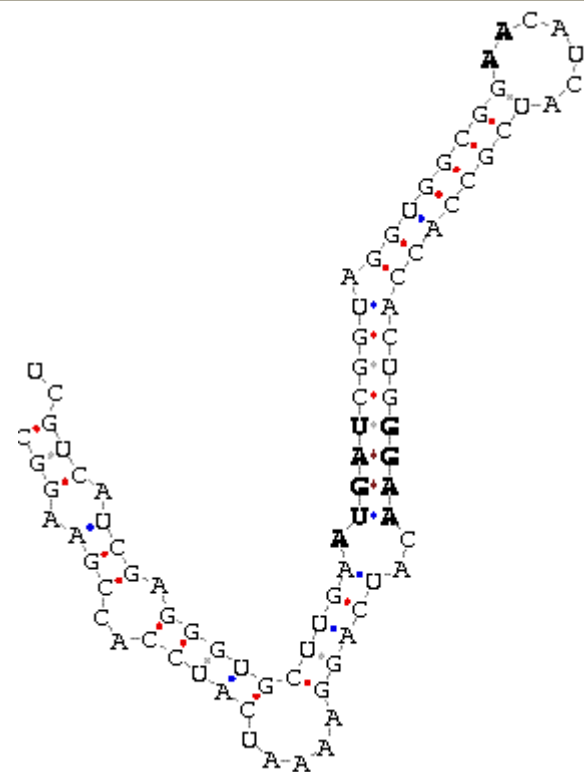


48 >supercont1.55: 95842 - 95755 (SECIS on complementary strand)
Free Energy: -28.30

UCGUCAUCGA GGGUGCU UGA **AUGAU**
CGGUAGGUGGCGG **AA** CAUC
AUCGCCACCACUG **GGAA** CAUCAGGAAA
AUCAUCC ACCGAAGGCU

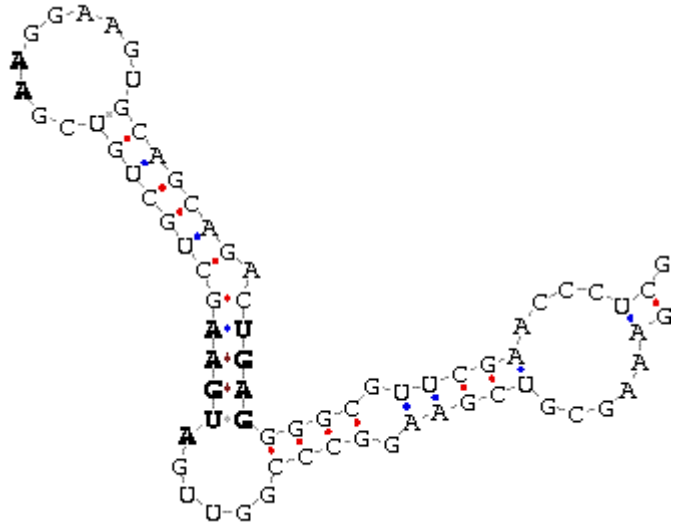
COVE score: 6.69

(CCACCGAAGG)



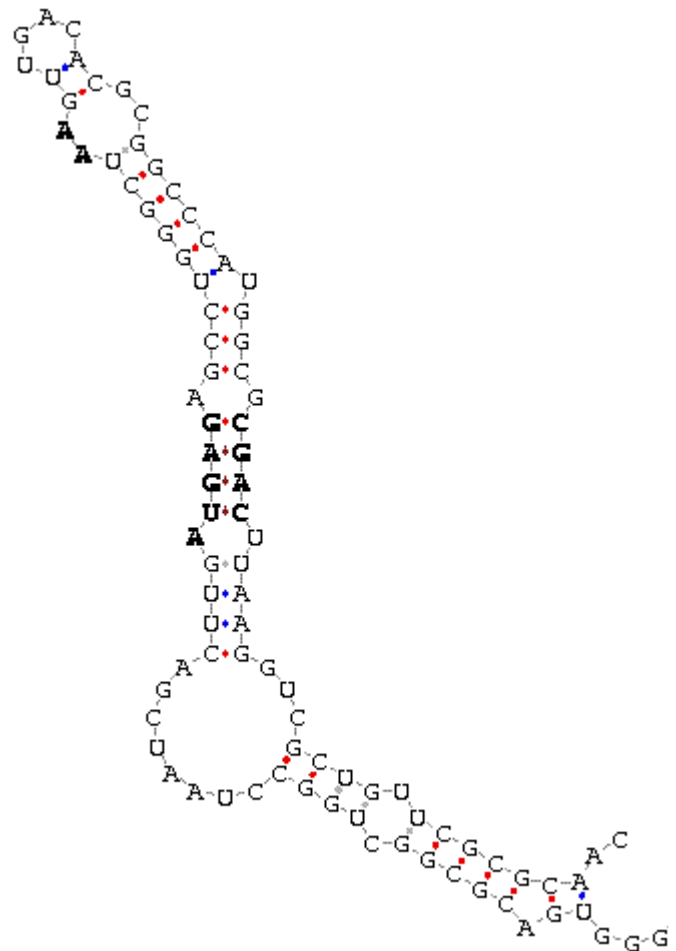
49 >supercont1.57: 106605 - 106519 (SECIS
on complementary strand)
Free Energy: -25.25

GGGGCAGAAA GCGUCGA AGGCCCGGUUG
AUGAA GCUGCUGUCG **AA** GGAAG
 UGCAGCAGAC **UGAG** GGGCGU UCGAACC
 CUCGGUCUUG



50 >supercont1.66: 541754 - 541847
Free Energy: -28.35

CAGGGUGACG CGGCUGG CCUAAUCGACUUG
AUGAG AGCCUGGGCU **AA** GUUGACACGC
 GGCCCAUGGC **GCGAC** UUAAG GUCGCUG
 UUCGCGCAAC



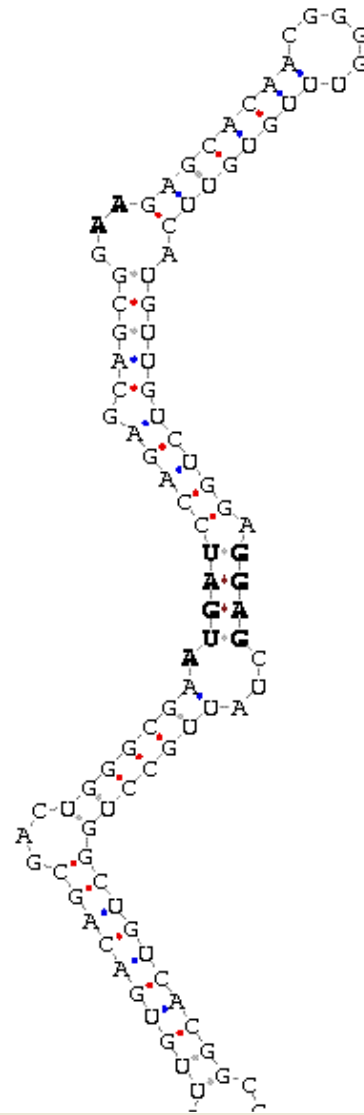
51 >supercont1.69: 32566 - 32678

Free Energy: -39.30

GAAGGGUAAU GUGACAG CGACUGGGCGA

AUGAU CCAGAGCAGCGG AA GA GCACAA

CGGGGU UUGUGU U CAUGUUGUCUGG



52 >supercont1.78: 197908 - 197994

Free Energy: -26.70

UCGUCAUCGA GUGUGAU UGA AUGAU

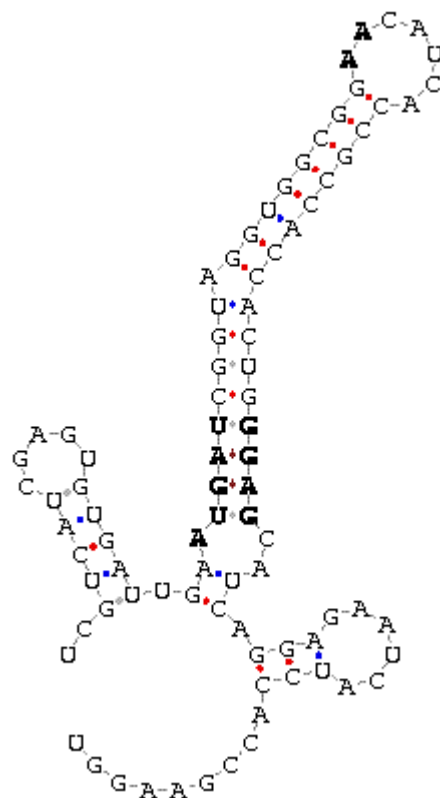
CGGUAGGUGGCGG AA CAUC

ACCGCCACCACUG GGAG CAUCAGGAG

AAUCAUC CACCGAAGGU

COVE score: 8.15

(CCACCGAAGG)

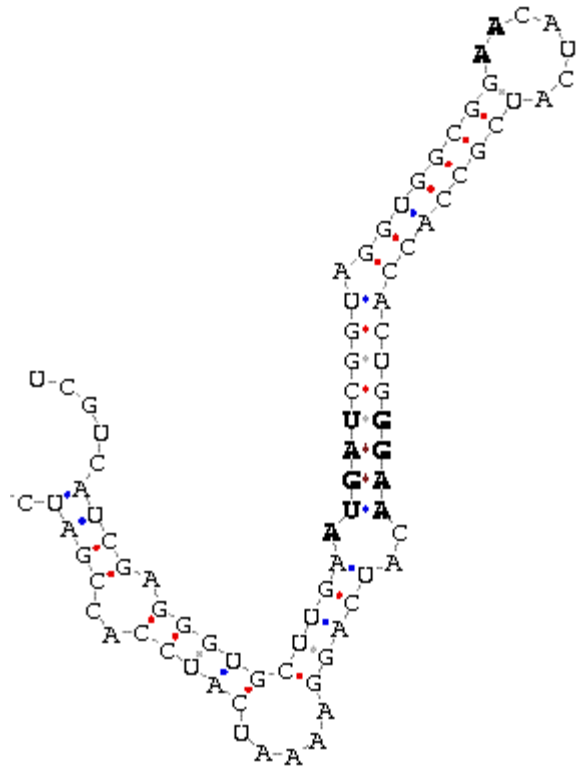


53 >supercont1.93: 178972 - 178885 (SECIS on complementary strand)
Free Energy: -25.40

UCGUCAUCGA GGGUGCU UGA **AUGAU**
CGGUAGGUGGCGG **AA** CAUC
AUCGCCACCACUG **GGAA** CAUCAGGAAA
AUCAUCC ACCGAUCUCC

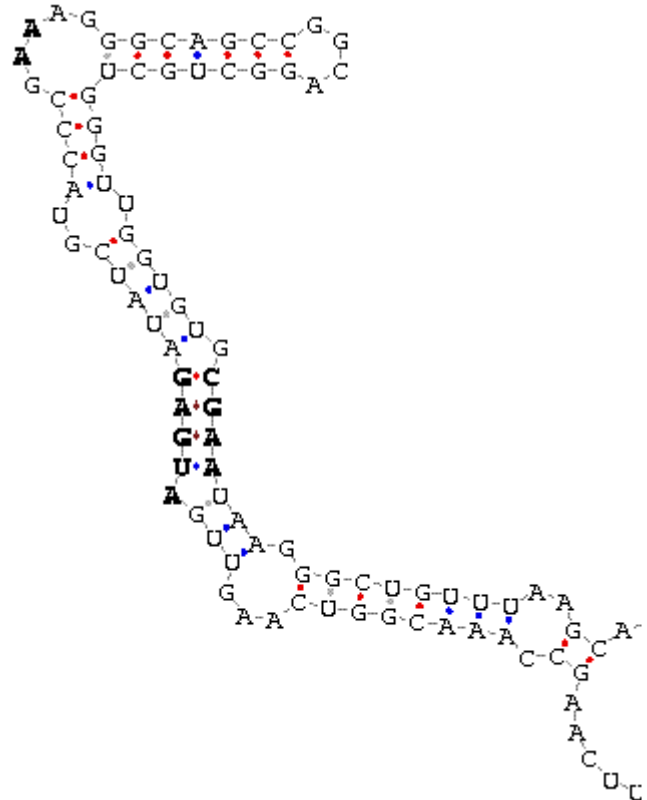
COVE score: 6.69

(CCACCGAUCU)



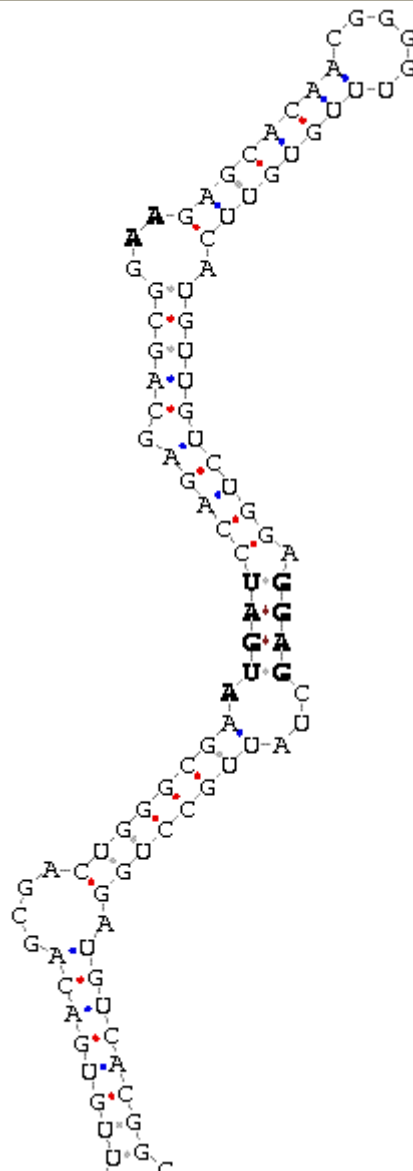
54 >supercont1.95: 80492 - 80392 (SECIS on complementary strand)
Free Energy: -26.40

CUGUUCAAGC CAAACGG UCAAGUUG **AUGAG**
AUAUCGUACCCG **AA** AGG GCAGC **CGGCAG**
GCUGC UGGGUUGGUGU GCGAA



55 >supercont1.115: 125028 - 124918 (SECIS on complementary strand)
Free Energy: -37.10

AAGGGUAUUG UGACAGC GACUGGGCGA
AUGAU CCAGAGCAGCGG AA GA GCACAA
CGGGGU UUGUGU U CAUGUUGUCUGG

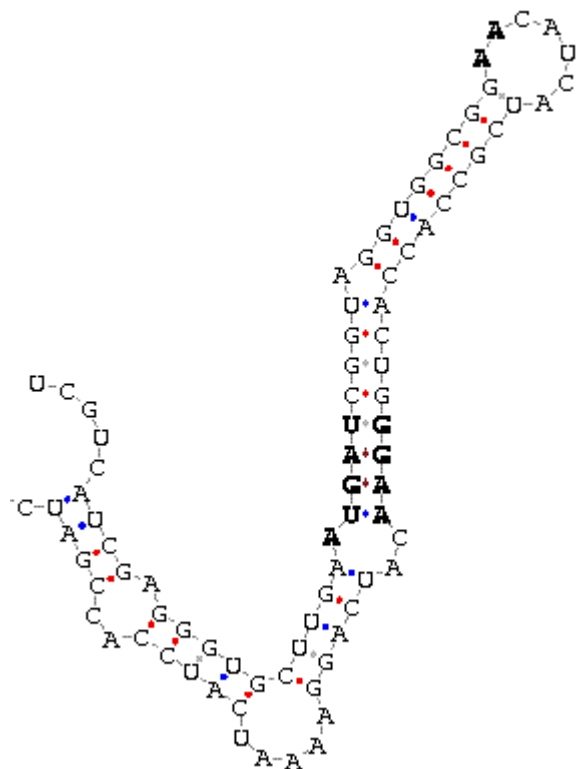


56 >supercont1.128: 20893 - 20980
Free Energy: -25.40

UCGUCAUCGA GGGUGCU UGA AUGAU
CGGUAGGUGGCGG AA CAUC
AUCGCCACCACUG GGAA CAUCAGGAAA
AUCAUCC ACCGAUCUCC

COVE score: 6.69

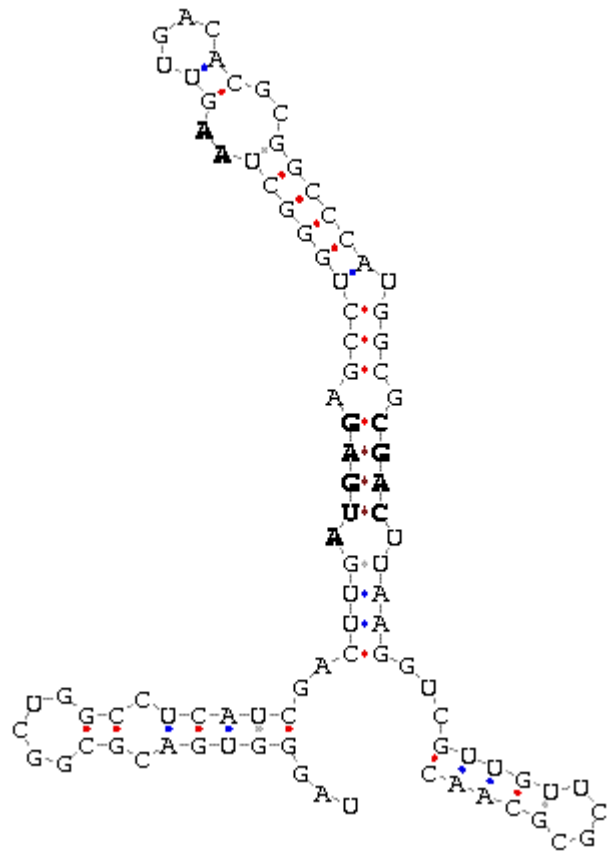
(CCACCGAUCU)



57 >supercont1.159: 129703 - 129796

Free Energy: -29.20

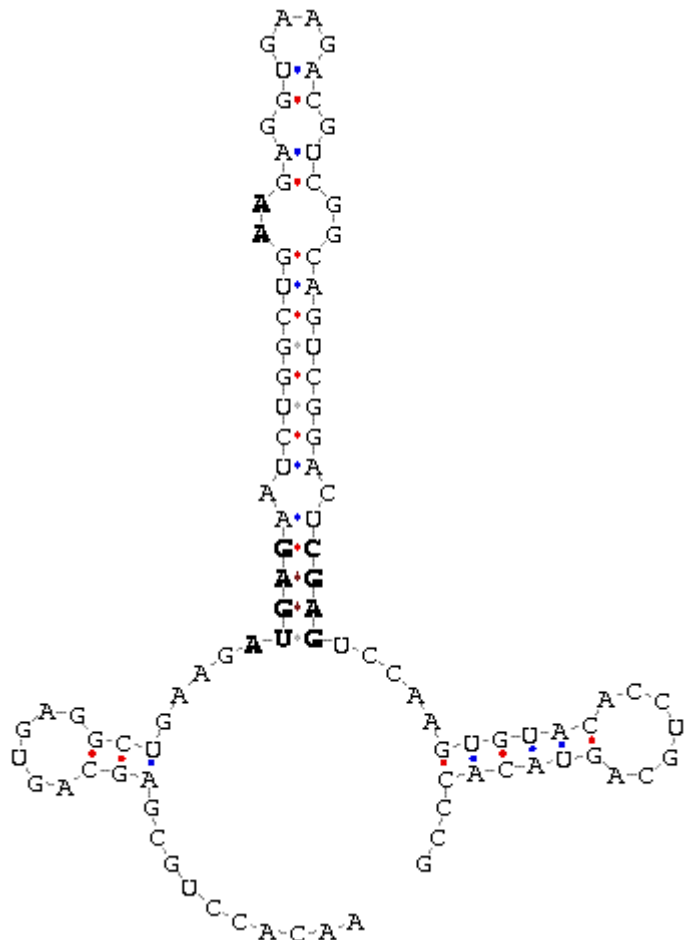
UAGGGUGACG CGGCUGG CCUCAUCGACUUG
AUGAG AGCCUGGGCU AA GUUGACACGC
GGCCCAUGGC GCGAC UUAAG GUCGUUG
UUCGCGCAAC



58 >supercont1.167: 180949 - 180850 (SECIS
on complementary strand)

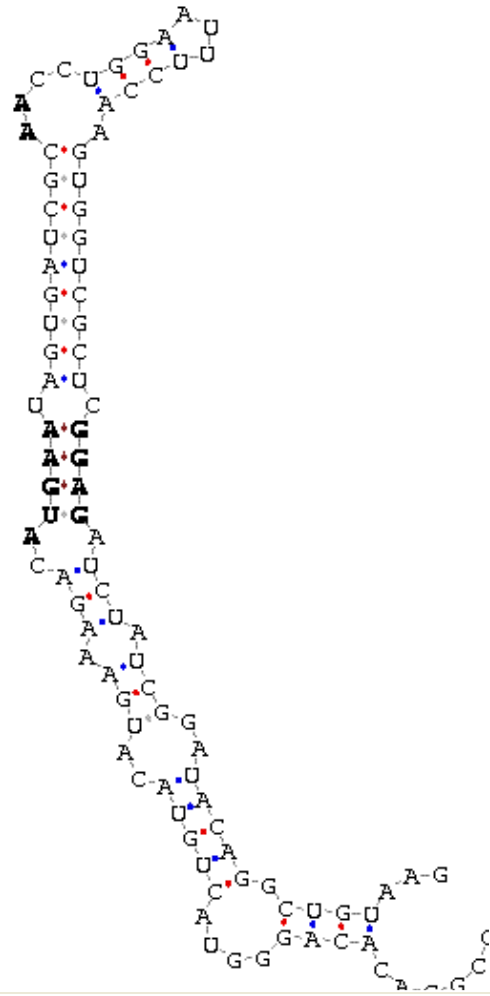
Free Energy: -25.30

AACACCUGCG AGCAGUG AGGCUGAAG
AUGAG AAUCUGGCUG AA GA GGU GAAGAC
GUC GG CAGUCGGACU



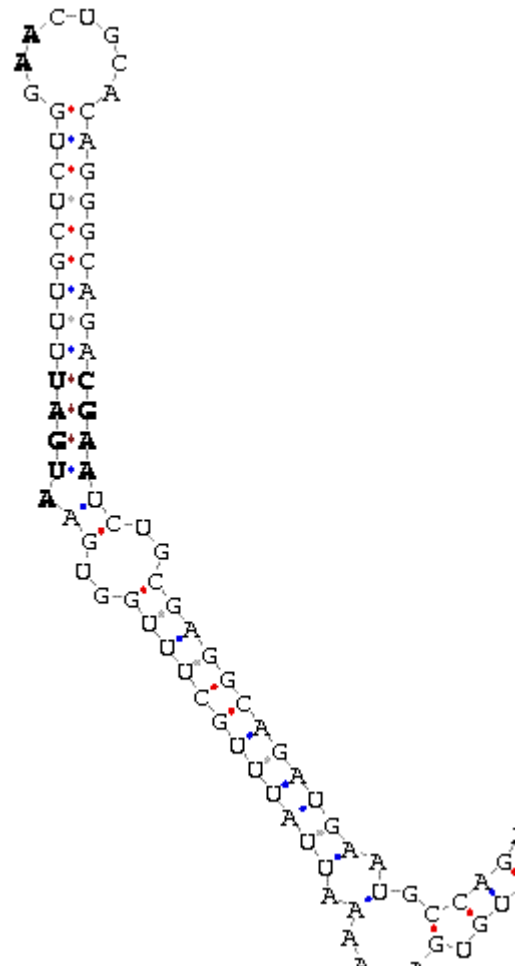
59 >supercont1.178: 127894 - 127798 (SECIS on complementary strand)
Free Energy: -26.10

GCGCACACAG GGUACUG UACAUGAAAGAC
AUGAA UAGUGAUCGC **AA** CC UGG **AAUUU**
CCA AGUGGUCGCU CGGAG



60 >supercont1.180: 81708 - 81793
Free Energy: -25.00

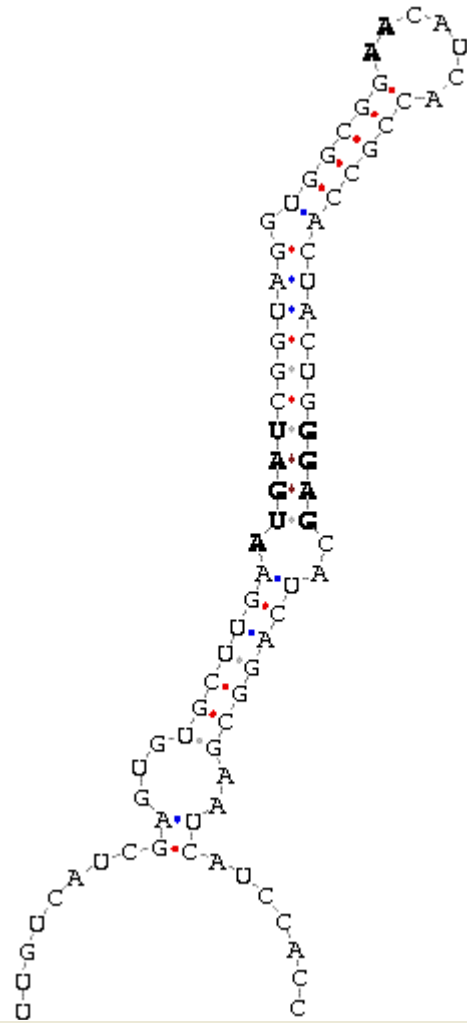
CUGUGAGAAA AUUAUUU GCUUUGGUGA
AUGAU UUUGCUCUGG **AA** CUGC
ACAGGGCAGA **CGAA** UCUGCGA GGCAGAU
GAAUGCCAGA



61 >supercont1.190: 124116 - 124026 (SECIS on complementary strand)
Free Energy: -28.50

UUCAAUAUCU UUGUCAU CGAGUGUGCUUGA
AUGAU CGGUAGGUGGCGG **AA** CAUC
ACCGCCACUACUG **GGAG** CAU CAGGCGA
AUCAUCCACC

COVE score: 6.62

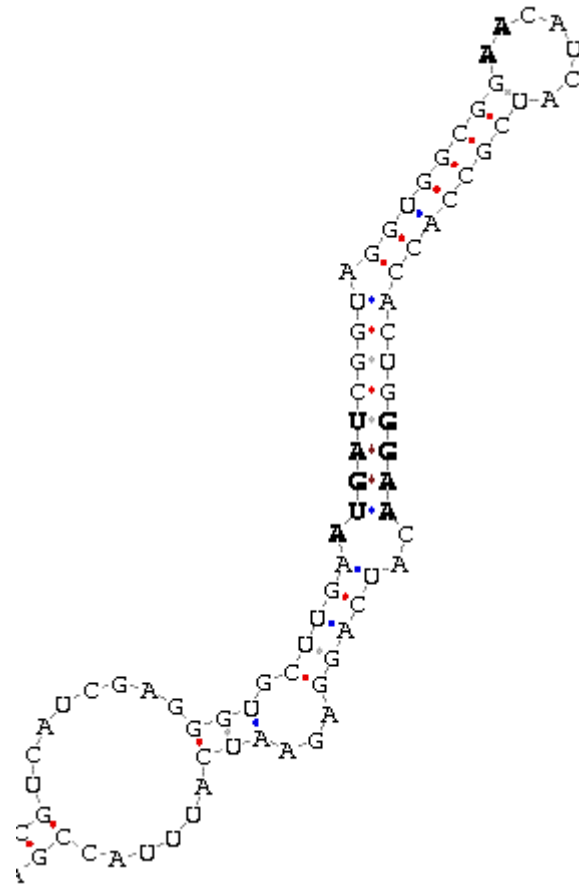


62 >supercont1.211: 112860 - 112950
Free Energy: -27.59

UCUUCGUCAU CGAGGGU GCUUGA **AUGAU**
CGGUAGGUGGCGG **AA** CAUC
AUCGCCACCACUG **GGAA** CAUCAGGAGA
AUCAUUU ACCGAAGGUU

COVE score: 6.69

(UACCGAAGGU)

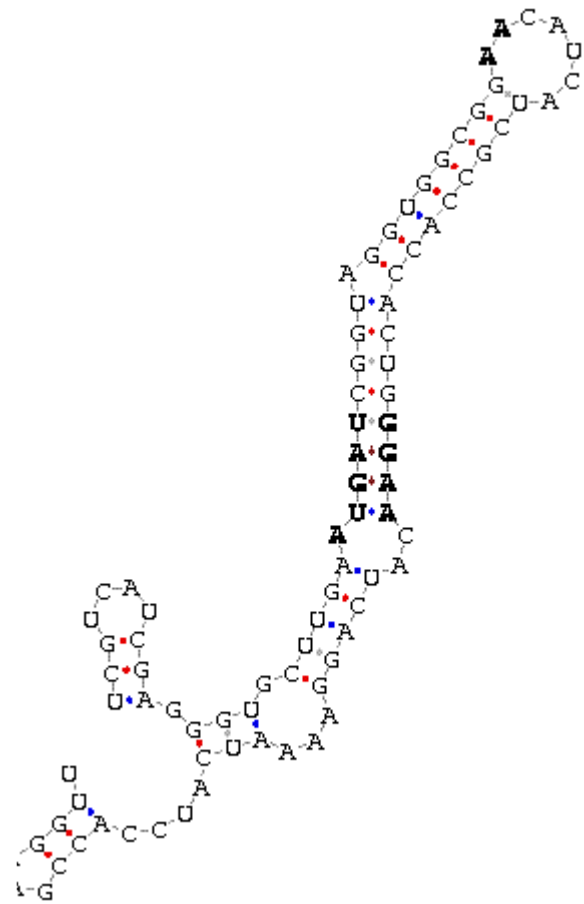


63 >supercont1.218: 102193 - 102280
Free Energy: -25.60

UCGUCAUCGA GGGUGCU UGA **AUGAU**
CGGUAGGUGGCGG **AA** CAUC
AUCGCCACCACUG **GGAA** CAUCAGGAAA
AUCAUCC ACCGAAGGUU

COVE score: 6.69

(CCACCGAAGG)

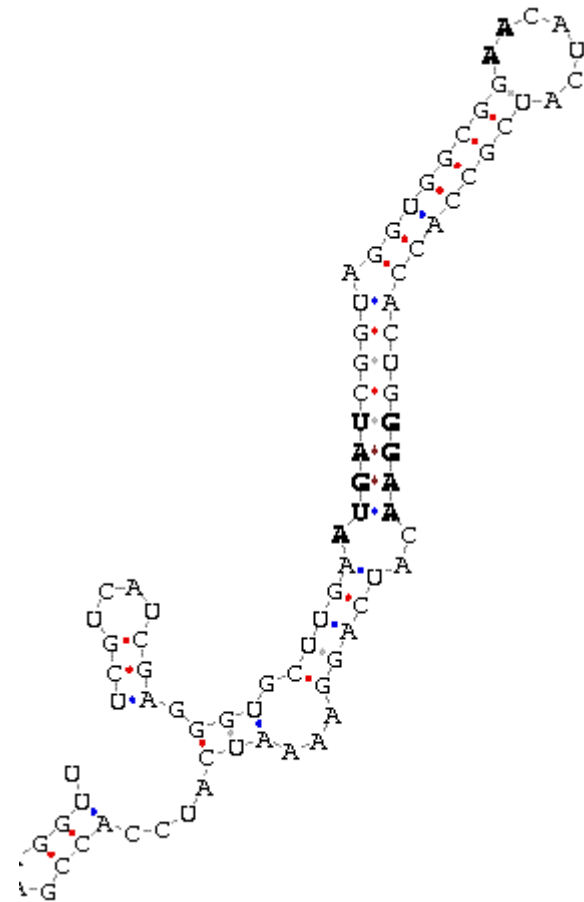


64 >supercont1.275: 60438 - 60351 (SECIS on
complementary strand)
Free Energy: -25.60

UCGUCAUCGA GGGUGCU UGA **AUGAU**
CGGUAGGUGGCGG **AA** CAUC
AUCGCCACCACUG **GGAA** CAUCAGGAAA
AUCAUCC ACCGAAGGUU

COVE score: 6.69

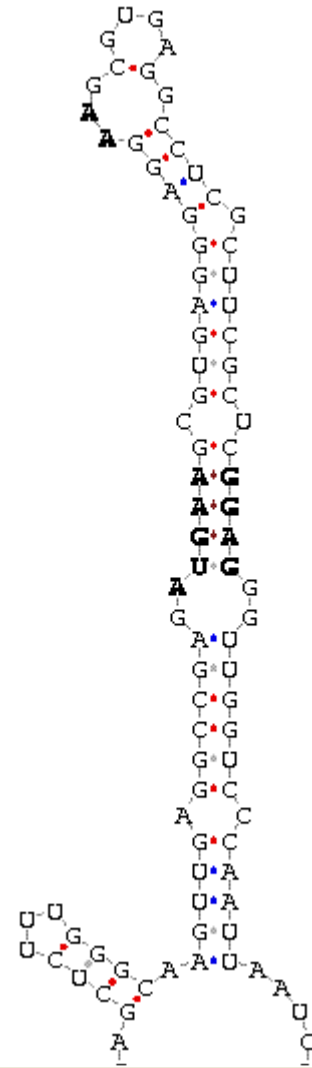
(CCACCGAAGG)



65 >supercont1.308: 64707 - 64612 (SECIS on complementary strand)
Free Energy: -27.10

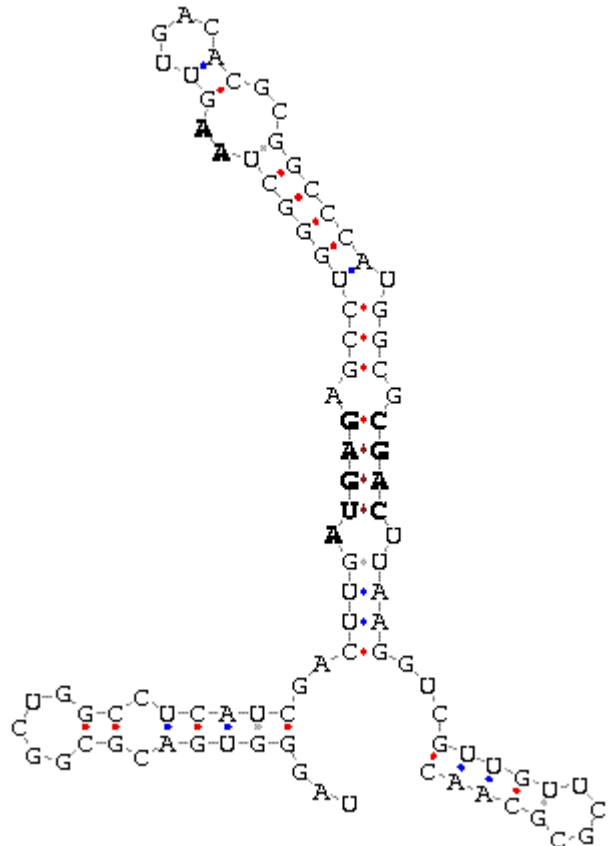
GCGGAGCUCU UUGGGCA AGUUGAGGCCGAG
AUGAA GCGUGAGGGAGG **AA** GCGUGAGG
CCUCGCUUCGCU **CGGAG** GGUUG GUCCCAA
UUAUUCAGGC

COVE score: 6.01



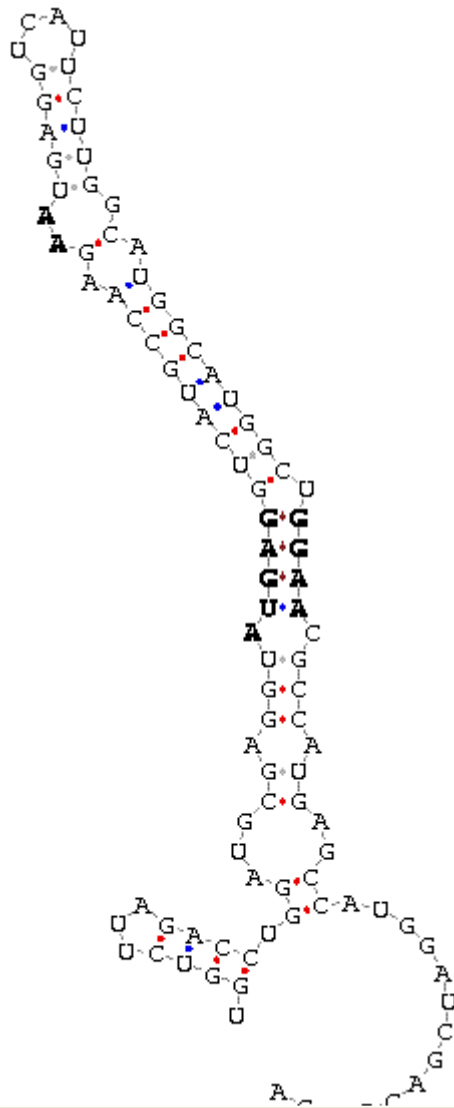
66 >supercont1.423: 7692 - 7785
Free Energy: -29.20

UAGGGUGACG CGGCUGG CCUCAUCGACUUG
AUGAG AGCCUGGGCU **AA** GUUGACACGC
GGCCAUGGC **GCGAC** UUAAG GUCGUUG
UUCGCGCAAC



67 >supercont1.472: 3164 - 3067 (SECIS on complementary strand)
Free Energy: -25.10

UGGUCUUAGA CCUGGAU GCGAGGU **AUGAG**
GUCAUGCCAAG **AA** UGAG GUCAUU **CUUG** G
CAUGGCAUGGC UGGAA

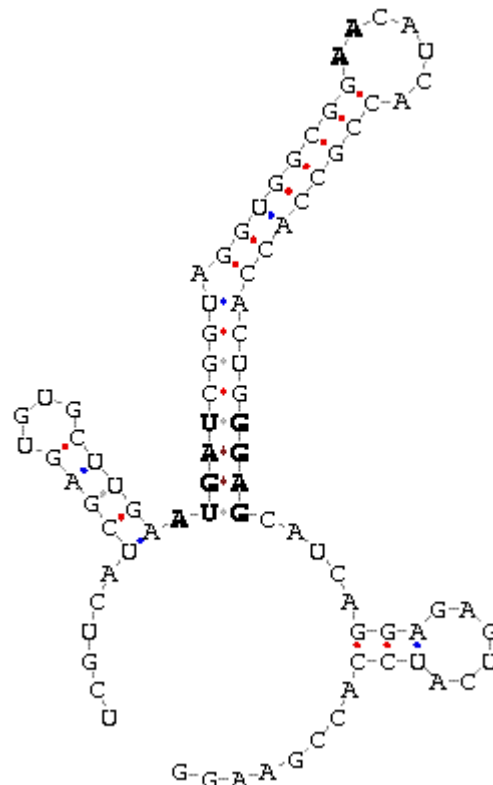


68 >supercont1.576: 11082 - 11167
Free Energy: -26.30

UCGUCAUCGA GUGUGCU UGA **AUGAU**
CGGUAGGUGGCGG **AA** CAUC
ACCGCCACCACUG **GGAG** CAUCAGGA
GAGUCAU CCACCGAAGG

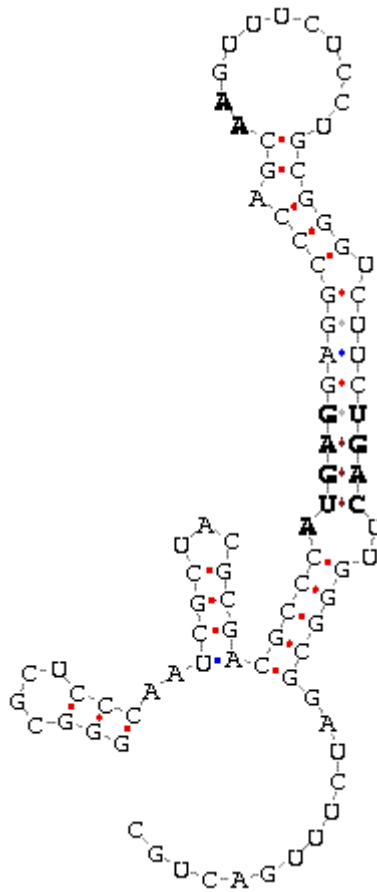
COVE score: 8.15

(CAUCCACCGA)



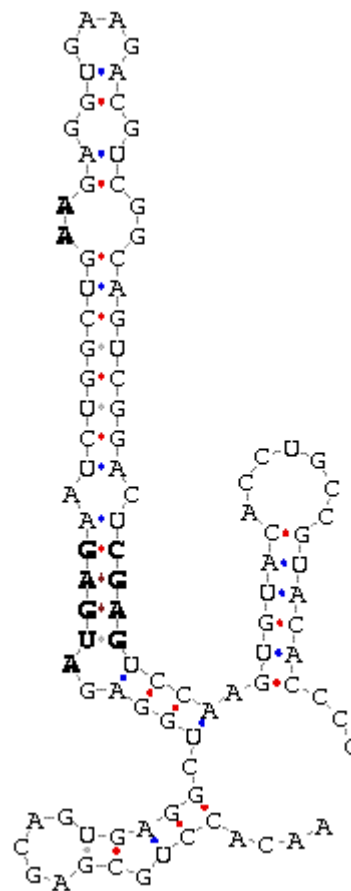
69 >supercont1.605: 7149 - 7062 (SECIS on complementary strand)
Free Energy: -26.38

GGGCGCUCCC AAUCGCU ACGCGACGCCC
AUGAG GAGGCCAGC **AA** GUUUCUCC
 UGCGGGUCUU **CUGAC** UUG GCGGAU
 CUUUGACUGC



70 >supercont1.668: 7623 - 7524 (SECIS on complementary strand)
Free Energy: -28.40

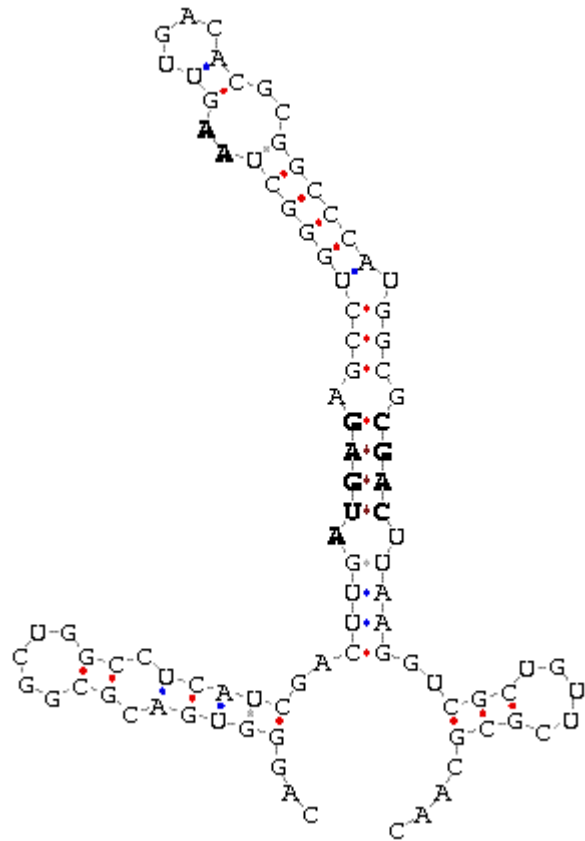
AACACCGCG AGCAGUG AGGCUGGAG
AUGAG AAUCUGGCUG **AA** GA GGU **GAAGAC**
 GUC GG CAGUCGGACU



71 >supercont1.2001: 3046 - 3139

Free Energy: -28.80

CAGGGUGACG CGGCUGG CCUCAUCGACUUG
AUGAG AGCCUGGGCU AA GUUGACACGC
GGCCCAUGGC GCGAC UUAAG GUCGCUG
UUCGCGCAAC



72 >supercont1.3429: 2060 - 1970 (SECIS on complementary strand)

Free Energy: -27.59

UCUUCGUCAU CGAGGGU GCUUGA AUGAU
CGGUAGGUGGCGG AA CAUC
AUCGCCACCACUG GGAA CAUCAGGAGA
AUCAUUU ACCGAAGGUU

COVE score: 6.69

(UACCGAAGGU)

