





CCAP 6006/1

SAG 2565

SAG 2397

CCAP 6006/4

CCAP 6006/5

CCAP 6006/6

CCAP 6006/2

CCAP 6006/3

CCAP 6006/7

CCAP 6006/8

CCAP 6006/9

5.8S/LSU stem

```
      C-     C
UGUCUG  CUCAG GUCGG
||•|||  ||||| ||||•
ACGGAC  GAGUC CAGCU
      UA     -
      C-     C
UGUCUG  CUCAG GUCGG
||•|||  ||||| ||||•
ACGGAC  GAGUC CAGCU
      UA     -
      C-     C
UGUCUG  CUCAG GUCGG
||•|||  ||||| ||||•
ACGGAC  GAGUC CAGCU
      UA     -
      C-     C
UGUCUG  CUCAG GUCGG
||•|||  ||||| ||||•
ACGGAC  GAGUC CAGCU
      UA     -
```

```
      C-     C
UGUCUG  CUCAG GUCGG
||•|||  ||||| ||||•
ACGGAC  GAGUC CAGCU
      UA     -
      C-     C
UGUCUG  CUCAG GUCGG
||•|||  ||||| ||||•
ACGGAC  GAGUC CAGCU
      UA     -
```

```
      C-     C
UGUCUG  CUCAG GUCGG
||•|||  ||||| ||||•
ACGGAC  GAGUC CAGCU
      UA     -
      C-     C
UGUCUG  CUCAG GUCGG
||•|||  ||||| ||||•
ACGGAC  GAGUC CAGCU
      UA     -
      C-     C
UGUCUG  CUCAG GUCGG
||•|||  ||||| ||||•
ACGGAC  GAGUC CAGCU
      UA     -
      C-     C
UGUCUG  CUCAG GUCGG
||•|||  ||||| ||||•
ACGGAC  GAGUC CAGCU
      UA     -
```

Helix I

```
      -    -   A
UCAC CCC CCGC CCC A
•||| ||| |||| ||| |
GGUG GGG GGCG GGG C
        C    C   C
        U        A
UCAC CCC CUUUGAC G
•||| ||| |•|•||| |
GGUG GGG GGAGCUG U
        C        C
-   AAA         GU
UCAC  CCC    CCCAAUG  A
•|||  |||    ||||||| |
GGUG  GGG    GGGUUAC  A
C   CGC         AA
 CA-     A
UCAC C   CCAC A
•||| |   |||| |
GGUG G   GGUG U
 AAC     C
```

```
      C   U
UCAC CCC CUU C
•||| ||| ||• |
GGUG GGG GAG A
        A   C
        -  CC
UCAC CCC CC  A
•||| ||| ||  |
GGUG GGG GG  C
        C  AA
```

```
      --    C  UA
UCAC CC  CCUU CC  \
•||| ||  |||| ||  U
GGUG GG  GGAA GG  /
       AC    A  CU
       --    C  UA
UCAC CC  CCUU CC  \
•||| ||  |||| ||  U
GGUG GG  GGAA GG  /
       AC    A  CU
       -  -     U
UCAC CCC CC UGCCUA C
•||| ||| || |||||| |
GGUG GGG GG ACGGAU U
        C  A      A
        -  U-   A
UCAC CCC CC  CCC \
•||| ||| ||  ||| A
GGUG GGG GG  GGG /
        C  UU   U
        -  U-   A
UCAC CCC CC  CCC \
•||| ||| ||  ||| A
GGUG GGG GG  GGG /
        C  UU   U
```

Helix II

```
     UC           C
UGGUC  CCCAG CGCGCGCG U
••|•|  |||||  |||•|||| |
GUCGG  GGGUC GCGUGCGC U
     UC             G
     UC      --     C
UGGCC  CCCAG C  GCCC U
••|||  |||||  |  |||| |
GUCGG  GGGUC G  CGGG C
     UU      CC     G
     UC       C  G
UGGCC  CCCAG UG UU U
••|||  |||||  || || |
GUCGG  GGGUC AC AA C
     UU       A  A
     UC      AA    U
UGGUC  CCCAG   CCCC C
••|•|  |||||   |||| |
GUCGG  GGGUC   GGGG U
     UU      AC    C
```

```
     UC           C
UGGUC  CCCAG CGGC U
••|•|  |||||  |||| |
GUCGG  GGGUC GCCG C
     UU        G
     UC        C
UGGCC  CCCAG CGGC U
••|||  |||||  ||•| |
GUCGG  GGGUC GCUG C
     UU        G
```

```
     UC          C
UGGCC  CCCAG CG U
••|||  |||||  || |
GUCGG  GGGUC GC U
     UC       G
     UC       C
UGGCC  CCCAG CG U
•••||  |||||  || |
GUUGG  GGGUC GC U
     UC       G
     UC       C
UGGCC  CCCAG CG C
•••||  |||||  || |
GUUGG  GGGUC GC C
     UC       G
     UC       C
UGGCC  CCCAG CU U
••|||  |||||  || |
GUCGG  GGGUC GA C
     UC       G
     UC       C
UGGCC  CCCAG CU U
••|||  |||||  || |
GUCGG  GGGUC GA C
     UC       G
```

Helix III

```
   AGA   A  C   --   A   UAU   A    AA-       AG
UGC   GGU CG GCA -CGG CCUG   GGC CCAGC   GGUAGGU  \
|||   ||| || ||| -||| ||••   •|| |||||   •||||••  C
ACG   CCA GC CGU -GCC GGGU   UCG GGUCG   UCAUCUG  /
   C--   C  -   C-   C   U--   C     ACC       CU
   AGA   A  C   --   A   UAU   A    AA-       AG
UGC   GGU CG GCA -CGG CCUG   GGC CCAGC   GGUAGGU  \
|||   ||| || ||| -||| ||••   •|| |||||   •||||••  C
ACG   CCA GC CGU -GCC GGGU   UCG GGUCG   UCAUCUG  /
   C--   C  -   C-   C   U--   C     ACC       CU
   AGA   A  C   --   A   UAU   A    AA-       AG
UGC   GGU CG GCA -CGG CCUG   GGC CCAGC   GGUAGGU  \
|||   ||| || ||| -||| ||••   •|| |||||   •||||••  C
ACG   CCA GC CGU -GCC GGGU   UCG GGUCG   UCAUCUG  /
   C--   C  -   C-   C   U--   C     ACC       CU
   AGA       C   --   A   UAU   A    AA-       AG
UGC   GGUAUG GCA -CGG CCUG   GGC CCAGC   GGUAGGU  \
|||   ||||•| ||| -||| ||••   •|| |||||   •||||••  C
ACG   CCAUGC CGU -GCC GGGU   UCG GGUCG   UCAUCUG  /
   C--      -   C-   C   U--   C     ACC       CU
```

```
   AGA   U  -   --   A   UAU   C    AA-  UA    C
UGC   GGU UG-GCA -CGG CCUG   GGCA CAGC  -GG  GGUAG U
|||   ||| ••-||| -||| ||••   •||| ||||  -||  •|||| |
ACG   CCA GU-CGU -GCC GGGU   UCGU GUCG  -CC  UCAUC U
   C--   C  -   C-   C   U--    A    A--  --     G
   AGA   U  -   --   A   UAU   C    AA-  UA    C
UGC   GGU UG-GCA -CGG CCUG   GGCA CAGC  -GG  GGUAG U
|||   ||| ••-||| -||| ||••   •||| ||||  -||  •|||| |
ACG   CCA GU-CGU -GCC GGGU   UCGU GUCG  -CC  UCAUC C
   C--   C  -   C-   C   U--    A    A--  --     G
```

```
   AGA   A  -  A--   A   UAU   C    AA-       AG
UGU   GGU CG-GC   CGG CCUG   GGCA CAGC   GGUAGGU  \
||•   ||| ||-||   ||| ||••   •||| ||||   •||||••  C
ACG   CCA GC-CG   GCC GGGU   UCGU GUCG   UCAUCUG  /
   C--   C  -  CCC   C   U--    A   ACC       CU
   AGA   A  -  A--   A   UAU   C    AA-       AG
UGU   GGU CG-GC   CGG CCUG   GGCA CAGC   GGUAGGU  \
||•   ||| ||-||   ||| ||••   •||| ||||   •||||••  C
ACG   CCA GC-CG   GCC GGGU   UCGU GUCG   UCAUCUG  /
   C--   C  -  CCC   C   U--    A   ACC       CU
   AGA   A  -  A--   A   UAU   C    AA-       AG
UGU   GGU CG-GC   CGG CCUG   GGCA CAGC   GGUAGGU  \
||•   ||| ||-||   ||| ||••   •||| ||||   •||||••  C
ACG   CCA GC-CG   GCC GGGU   UCGU GUCG   UCAUCUG  /
   C--   C  -  CCC   C   U--    A   ACC       CU
   AGA   A  -  A--   A   UAU   C    AA-       AG
UGU   GGU CG-GC   CGG CCUG   GGCA CAGC   GGUAGGU  \
||•   ||| ||-||   ||| ||••   •||| ||||   •||||••  C
ACG   CCA GC-CG   GCC GGGU   UCGU GUCG   UCAUCUG  /
   C--   C  -  CCC   C   U--    A   ACC       UU
   AGA   A  -  A--   A   UAU   C    AA-       AG
UGU   GGU CG-GC   CGG CCUG   GGCA CAGC   GGUAGGU  \
||•   ||| ||-||   ||| ||••   •||| ||||   •||||••  C
ACG   CCA GC-CG   GCC GGGU   UCGU GUCG   UCAUCUG  /
   C--   C  -  CCC   C   U--    A   ACC       UU
```