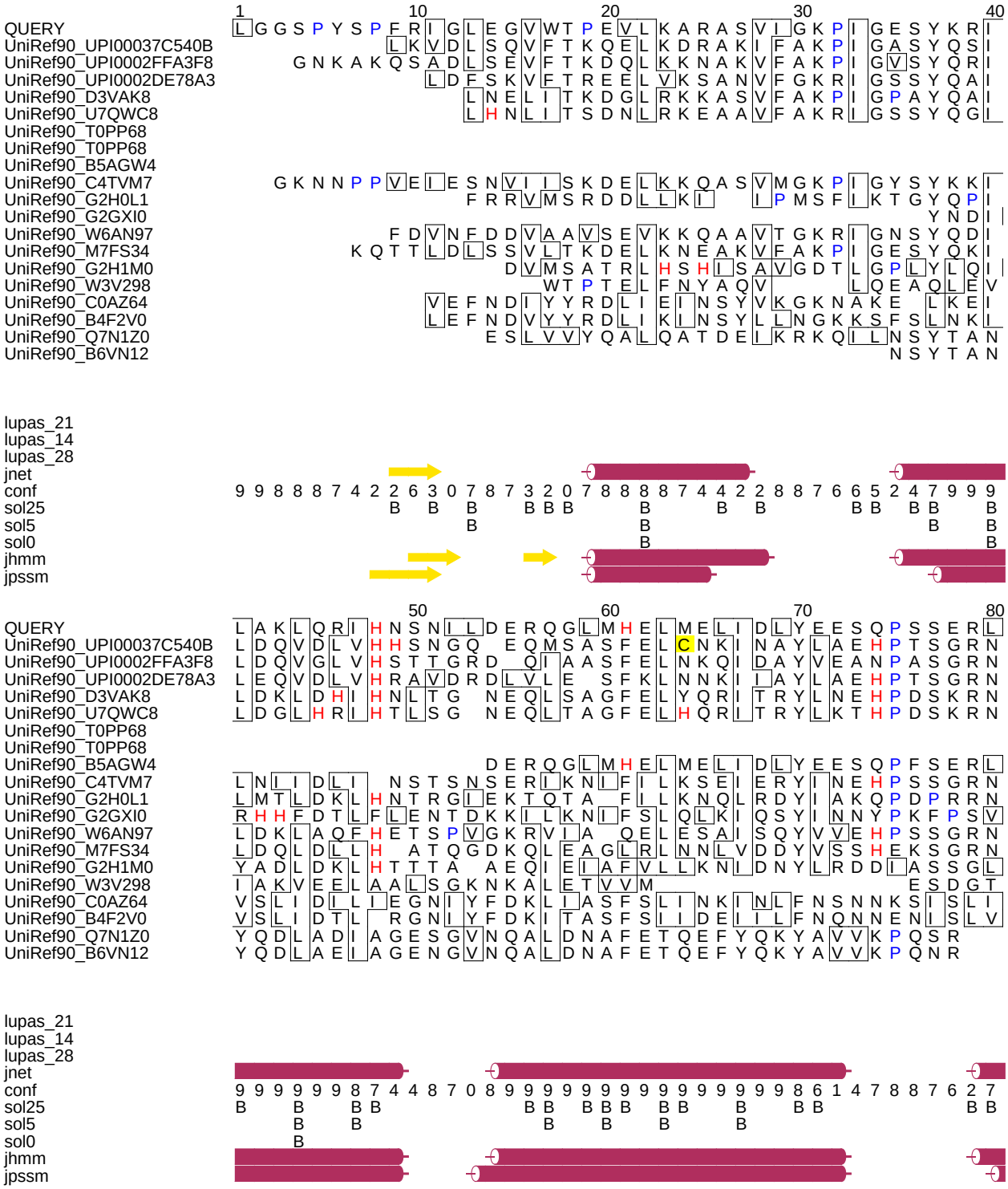
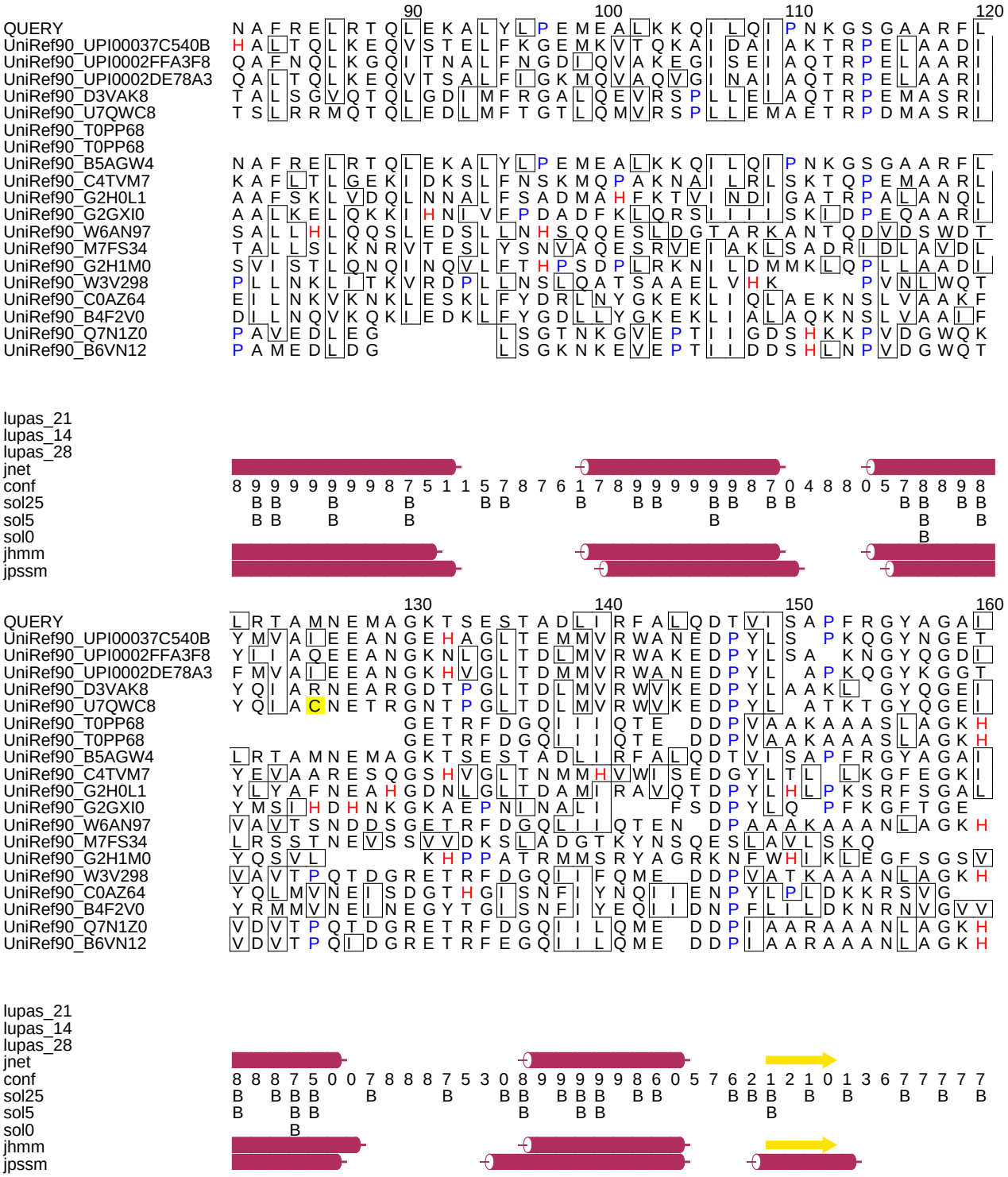
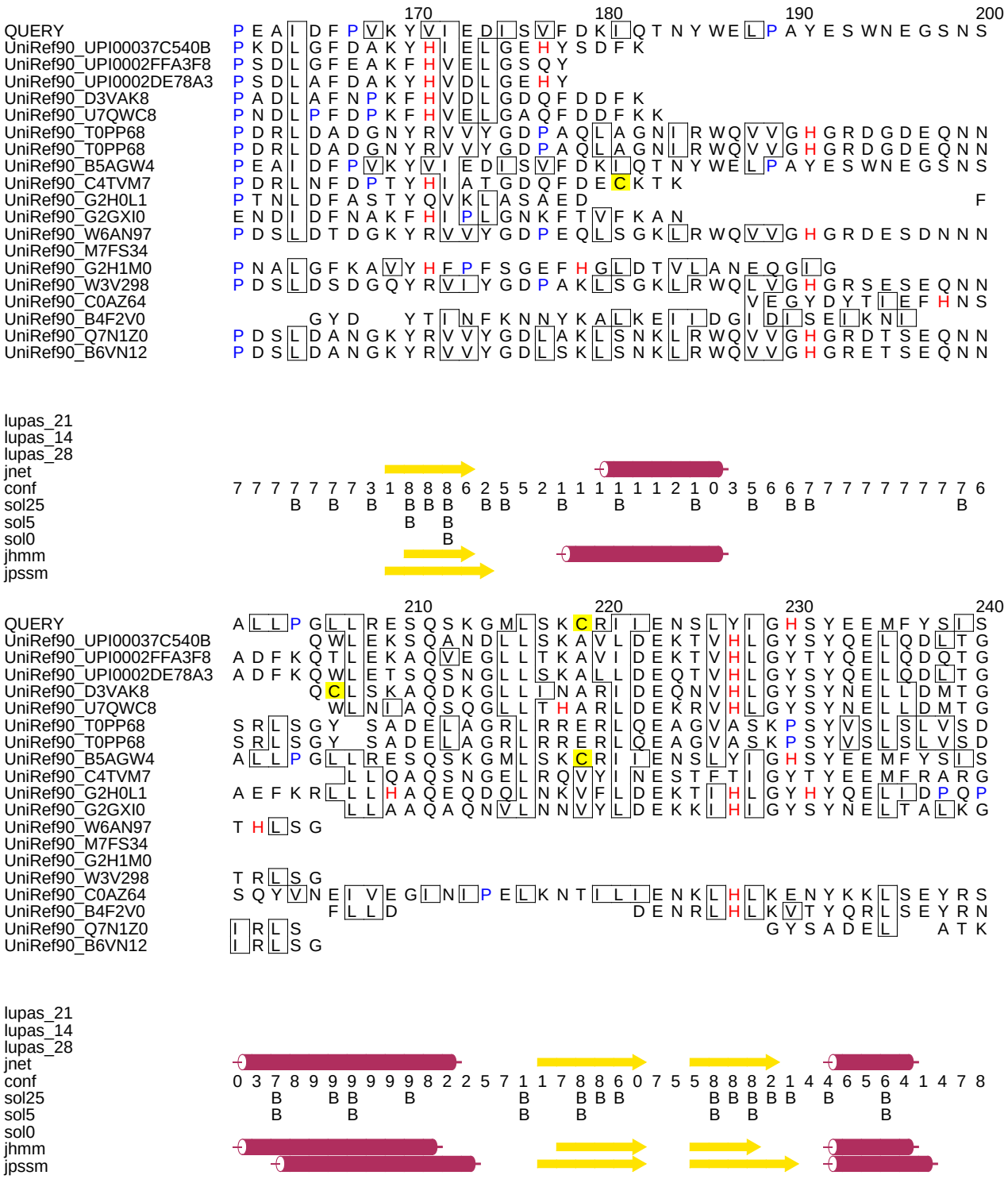

QUERY
UniRef90_UPI00037C540B
UniRef90_UPI0002FFA3F8
UniRef90_UPI0002DE78A3
UniRef90_D3VAK8
UniRef90_U7QWC8
UniRef90_T0PP68
UniRef90_T0PP68
UniRef90_B5AGW4
UniRef90_C4TVM7
UniRef90_G2H0L1
UniRef90_G2GXI0
UniRef90_W6AN97
UniRef90_M7FS34
UniRef90_G2H1M0
UniRef90_W3V298
UniRef90_C0AZ64
UniRef90_B4F2V0
UniRef90_Q7N1Z0
UniRef90_B6VN12
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


90
100
110
120
QUERY
UniRef90_UPI00037C540B
UniRef90_UPI0002FFA3F8
UniRef90_UPI0002DE78A3
UniRef90_D3VAK8
UniRef90_U7QWC8
UniRef90_T0PP68
UniRef90_T0PP68
UniRef90_B5AGW4
UniRef90_C4TVM7
UniRef90_G2H0L1
UniRef90_G2GXI0
UniRef90_W6AN97
UniRef90_M7FS34
UniRef90_G2H1M0
UniRef90_W3V298
UniRef90_C0AZ64
UniRef90_B4F2V0
UniRef90_Q7N1Z0
UniRef90_B6VN12
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm
130
140
150
160
QUERY
UniRef90_UPI00037C540B
UniRef90_UPI0002FFA3F8
UniRef90_UPI0002DE78A3
UniRef90_D3VAK8
UniRef90_U7QWC8
UniRef90_T0PP68
UniRef90_T0PP68
UniRef90_B5AGW4
UniRef90_C4TVM7
UniRef90_G2H0L1
UniRef90_G2GXI0
UniRef90_W6AN97
UniRef90_M7FS34
UniRef90_G2H1M0
UniRef90_W3V298
UniRef90_C0AZ64
UniRef90_B4F2V0
UniRef90_Q7N1Z0
UniRef90_B6VN12
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm

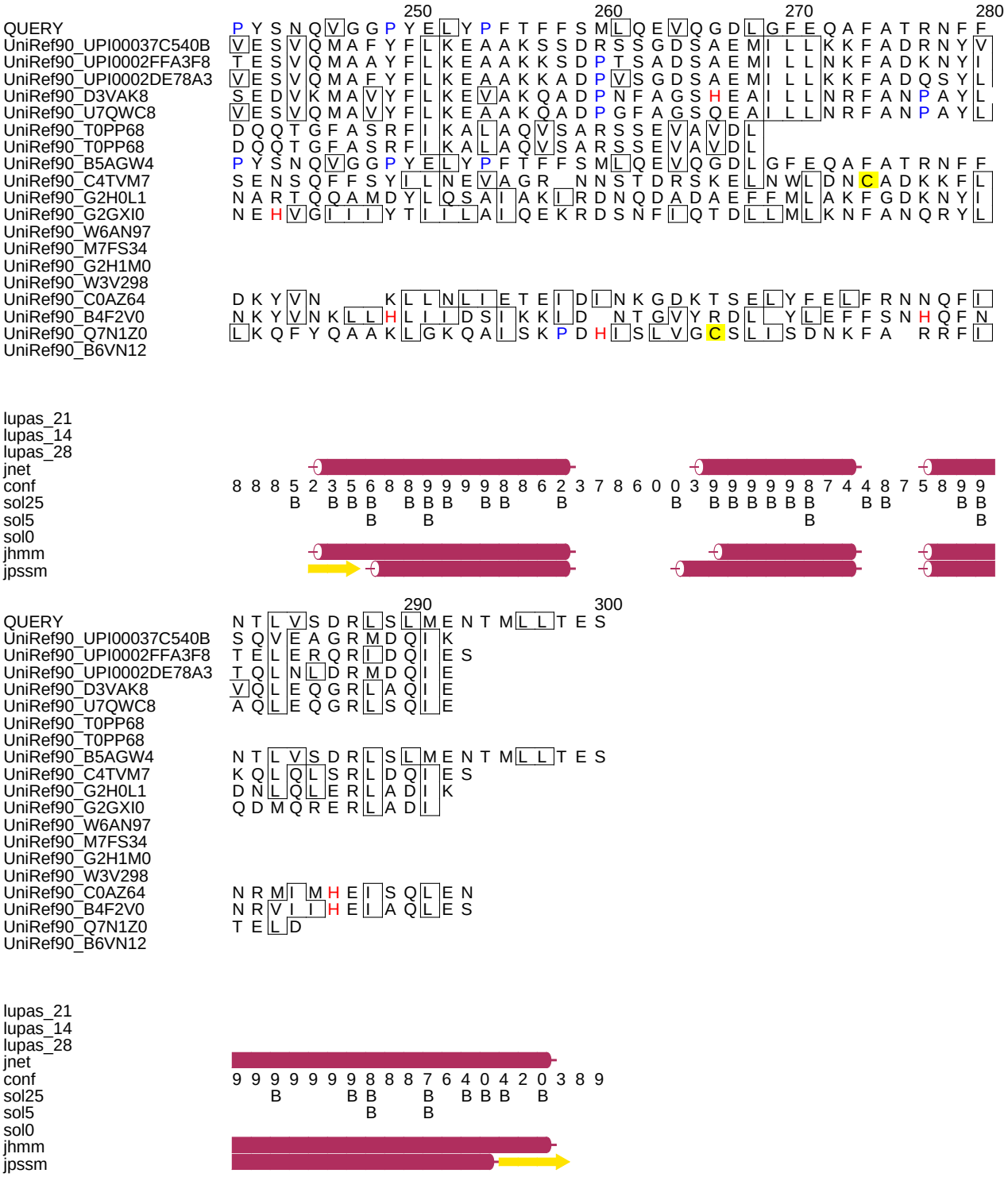


```
                                    170                 180                 190                 200
QUERY                 P E A I D F P V K Y V I E D I S V F D K I Q T N Y W E L P A Y E S W N E G S N S
UniRef90_UPI00037C540B P K D L G F D A K Y H I E L G E H Y S D F K
UniRef90_UPI0002FFA3F8 P S D L G F E A K F H V E L G S Q Y
UniRef90_UPI0002DE78A3 P S D L A F D A K Y H V D L G E H Y
UniRef90_D3VAK8        P A D L A F N P K F H V D L G D Q F D D F K
UniRef90_U7QWC8        P N D L P F D P K F H V E L G A Q F D D F K K
UniRef90_T0PP68        P D R L D A D G N Y R V V Y G D P A Q L A G N I R W Q V V G H G R D G D E Q N N
UniRef90_T0PP68        P D R L D A D G N Y R V V Y G D P A Q L A G N I R W Q V V G H G R D G D E Q N N
UniRef90_B5AGW4        P E A I D F P V K Y V I E D I S V F D K I Q T N Y W E L P A Y E S W N E G S N S
UniRef90_C4TVM7        P D R L N F D P T Y H I A T G D Q F D E C K T K
UniRef90_G2H0L1        P T N L D F A S T Y Q V K L A S A E D                                         F
UniRef90_G2GXI0        E N D I D F N A K F H I P L G N K F T V F K A N
UniRef90_W6AN97        P D S L D T D G K Y R V V Y G D P E Q L S G K L R W Q V V G H G R D E S D N N N
UniRef90_M7FS34
UniRef90_G2H1M0        P N A L G F K A V Y H F P F S G E F H G L D T V L A N E Q G I G
UniRef90_W3V298        P D S L D S D G Q Y R V I Y G D P A K L S G K L R W Q L V G H G R S E S E Q N N
UniRef90_C0AZ64                                                                V E G Y D Y T I E F H N S
UniRef90_B4F2V0                G Y D     Y T I N F K N N Y K A L K E I I D G I D I S E I K N I
UniRef90_Q7N1Z0        P D S L D A N G K Y R V V Y G D L A K L S N K L R W Q V V G H G R D T S E Q N N
UniRef90_B6VN12        P D S L D A N G K Y R V V Y G D L S K L S N K L R W Q V V G H G R E T S E Q N N

lupas_21
lupas_14
lupas_28
jnet
conf                   7 7 7 7 7 7 7 3 1 8 8 8 6 2 5 5 2 1 1 1 1 1 1 2 1 0 3 5 6 6 7 7 7 7 7 7 7 7 7 6
sol25                        B   B   B   B B B   B B     B     B       B     B   B B             B
sol5                                     B   B
sol0                                         B
jhmm
jpssm

                                    210                 220                 230                 240
QUERY                 A L L P G L L R E S Q S K G M L S K C R I I E N S L Y I G H S Y E E M F Y S I S
UniRef90_UPI00037C540B         Q W L E K S Q A N D L L S K A V L D E K T V H L G Y S Y Q E L Q D L T G
UniRef90_UPI0002FFA3F8 A D F K Q T L E K A Q V E G L L T K A V I D E K T V H L G Y T Y Q E L Q D Q T G
UniRef90_UPI0002DE78A3 A D F K Q W L E T S Q S N G L L S K A L L D E Q T V H L G Y S Y Q E L Q D L T G
UniRef90_D3VAK8                Q C L S K A Q D K G L L I N A R I D E Q N V H L G Y S Y N E L L D M T G
UniRef90_U7QWC8                  W L N I A Q S Q G L L T H A R L D E K R V H L G Y S Y N E L L D M T G
UniRef90_T0PP68        S R L S G Y   S A D E L A G R L R R E R L Q E A G V A S K P S Y V S L S L V S D
UniRef90_T0PP68        S R L S G Y   S A D E L A G R L R R E R L Q E A G V A S K P S Y V S L S L V S D
UniRef90_B5AGW4        A L L P G L L R E S Q S K G M L S K C R I I E N S L Y I G H S Y E E M F Y S I S
UniRef90_C4TVM7                    L L Q A Q S N G E L R Q V Y I N E S T F T I G Y T Y E E M F R A R G
UniRef90_G2H0L1        A E F K R L L L H A Q E Q D Q L N K V F L D E K T I H L G Y H Y Q E L I D P Q P
UniRef90_G2GXI0                    L L A A Q A Q N V L N N V Y L D E K K I H I G Y S Y N E L T A L K G
UniRef90_W6AN97        T H L S G
UniRef90_M7FS34
UniRef90_G2H1M0
UniRef90_W3V298        T R L S G
UniRef90_C0AZ64        S Q Y V N E I V E G I N I P E L K N T I L I E N K L H L K E N Y K K L S E Y R S
UniRef90_B4F2V0                F L L D                     D E N R L H L K V T Y Q R L S E Y R N
UniRef90_Q7N1Z0        I R L S                                         G Y S A D E L     A T K
UniRef90_B6VN12        I R L S G

lupas_21
lupas_14
lupas_28
jnet
conf                   0 3 7 8 9 9 9 9 9 9 8 2 2 5 7 1 1 7 8 8 6 0 7 5 5 8 8 8 2 1 4 4 6 5 6 4 1 4 7 8
sol25                      B     B B     B           B     B B B         B B B B B   B     B
sol5                       B       B                 B     B             B   B             B
sol0
jhmm
jpssm
```


250
260
270
280
QUERY
UniRef90_UPI00037C540B
UniRef90_UPI0002FFA3F8
UniRef90_UPI0002DE78A3
UniRef90_D3VAK8
UniRef90_U7QWC8
UniRef90_T0PP68
UniRef90_T0PP68
UniRef90_B5AGW4
UniRef90_C4TVM7
UniRef90_G2H0L1
UniRef90_G2GXI0
UniRef90_W6AN97
UniRef90_M7FS34
UniRef90_G2H1M0
UniRef90_W3V298
UniRef90_C0AZ64
UniRef90_B4F2V0
UniRef90_Q7N1Z0
UniRef90_B6VN12
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm
290
300
QUERY
UniRef90_UPI00037C540B
UniRef90_UPI0002FFA3F8
UniRef90_UPI0002DE78A3
UniRef90_D3VAK8
UniRef90_U7QWC8
UniRef90_T0PP68
UniRef90_T0PP68
UniRef90_B5AGW4
UniRef90_C4TVM7
UniRef90_G2H0L1
UniRef90_G2GXI0
UniRef90_W6AN97
UniRef90_M7FS34
UniRef90_G2H1M0
UniRef90_W3V298
UniRef90_C0AZ64
UniRef90_B4F2V0
UniRef90_Q7N1Z0
UniRef90_B6VN12
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm