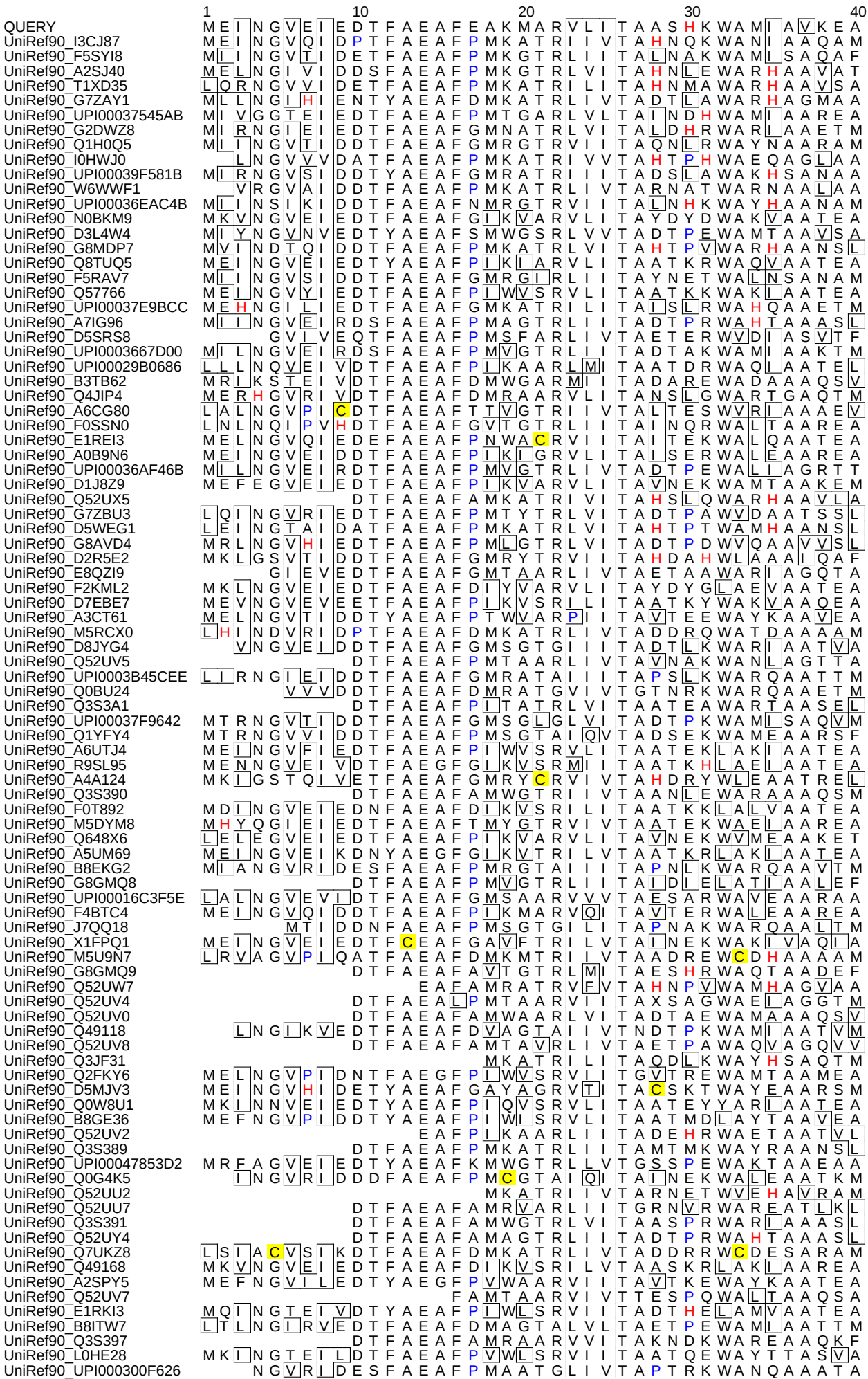
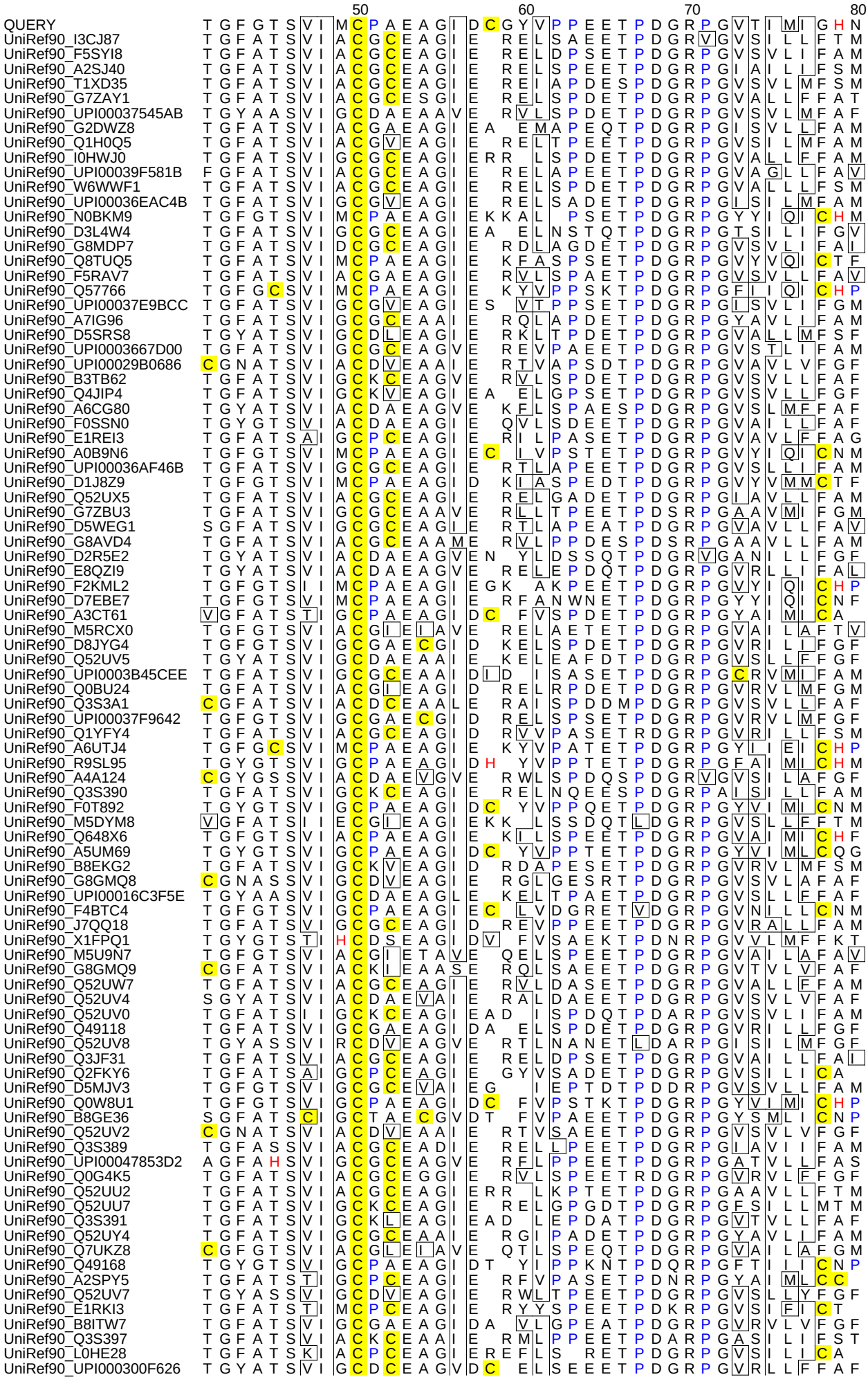
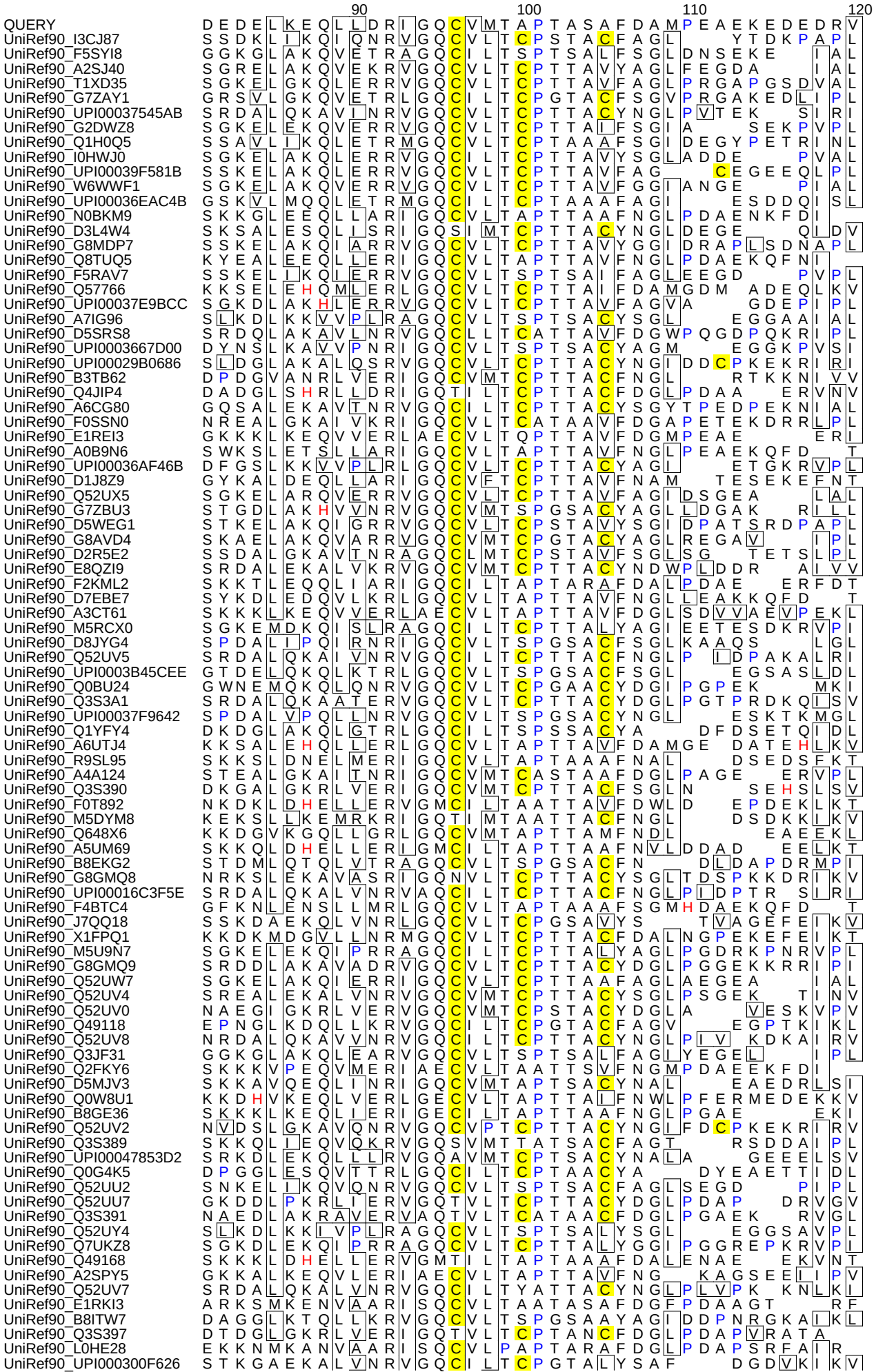
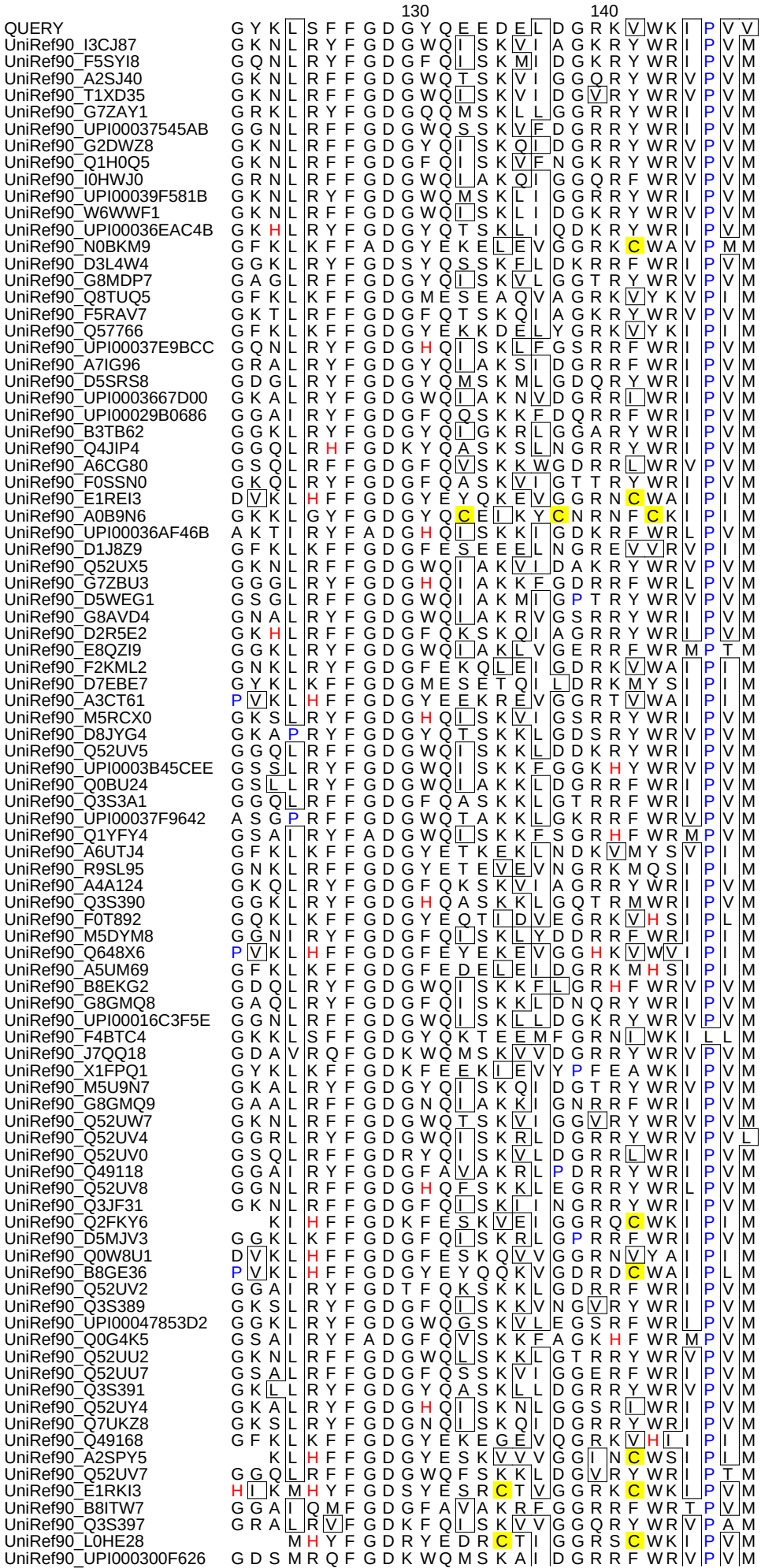
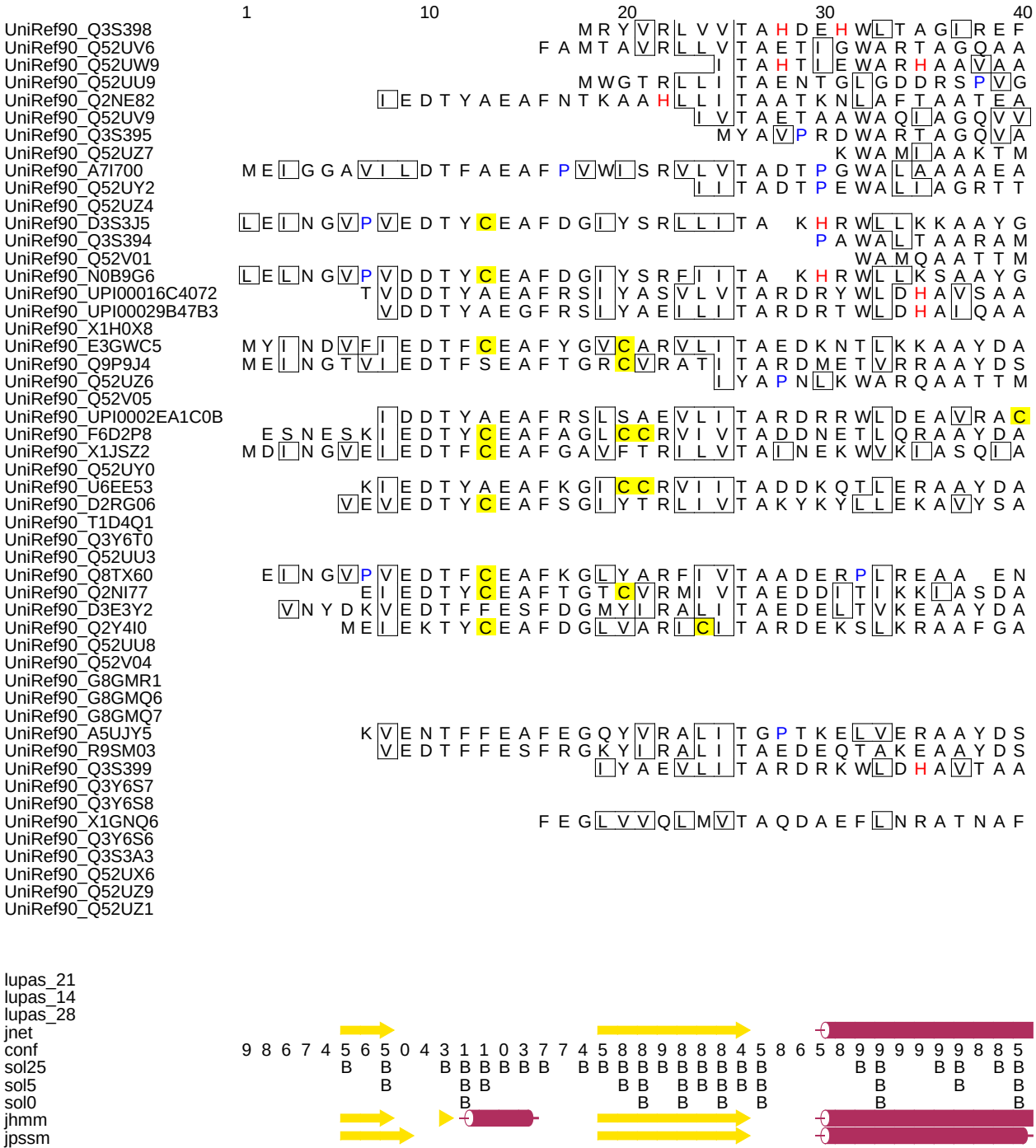
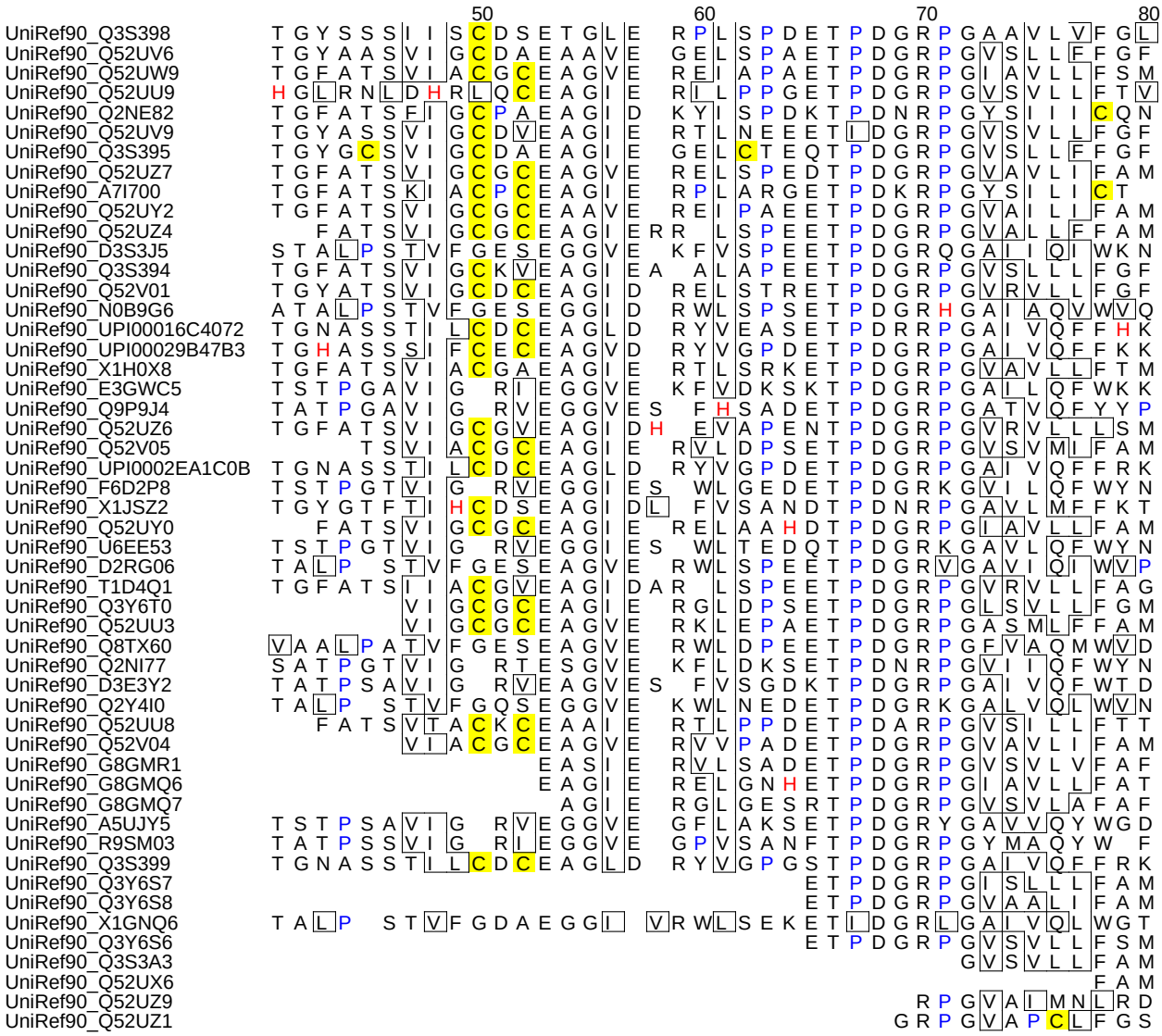

1
10
20
30
40
QUERY
UniRef90_I3CJ87
UniRef90_F5SYI8
UniRef90_A2SJ40
UniRef90_T1XD35
UniRef90_G7ZAY1
UniRef90_UPI00037545AB
UniRef90_G2DWZ8
UniRef90_Q1H0Q5
UniRef90_I0HWJ0
UniRef90_UPI00039F581B
UniRef90_W6WWF1
UniRef90_UPI00036EAC4B
UniRef90_N0BKM9
UniRef90_D3L4W4
UniRef90_G8MDP7
UniRef90_Q8TUQ5
UniRef90_F5RAV7
UniRef90_Q57766
UniRef90_UPI00037E9BCC
UniRef90_A7IG96
UniRef90_D5SRS8
UniRef90_UPI0003667D00
UniRef90_UPI00029B0686
UniRef90_B3TB62
UniRef90_Q4JIP4
UniRef90_A6CG80
UniRef90_F0SSN0
UniRef90_E1REI3
UniRef90_A0B9N6
UniRef90_UPI00036AF46B
UniRef90_D1J8Z9
UniRef90_Q52UX5
UniRef90_G7ZBU3
UniRef90_D5WEG1
UniRef90_G8AVD4
UniRef90_D2R5E2
UniRef90_E8QZI9
UniRef90_F2KML2
UniRef90_D7EBE7
UniRef90_A3CT61
UniRef90_M5RCX0
UniRef90_D8JYG4
UniRef90_Q52UV5
UniRef90_UPI0003B45CEE
UniRef90_Q0BU24
UniRef90_Q3S3A1
UniRef90_UPI00037F9642
UniRef90_Q1YFY4
UniRef90_A6UTJ4
UniRef90_R9SL95
UniRef90_A4A124
UniRef90_Q3S390
UniRef90_F0T892
UniRef90_M5DYM8
UniRef90_Q648X6
UniRef90_A5UM69
UniRef90_B8EKG2
UniRef90_G8GMQ8
UniRef90_UPI00016C3F5E
UniRef90_F4BTC4
UniRef90_J7QQ18
UniRef90_X1FPQ1
UniRef90_M5U9N7
UniRef90_G8GMQ9
UniRef90_Q52UW7
UniRef90_Q52UV4
UniRef90_Q52UV0
UniRef90_Q49118
UniRef90_Q52UV8
UniRef90_Q3JF31
UniRef90_Q2FKY6
UniRef90_D5MJV3
UniRef90_Q0W8U1
UniRef90_B8GE36
UniRef90_Q52UV2
UniRef90_Q3S389
UniRef90_UPI00047853D2
UniRef90_Q0G4K5
UniRef90_Q52UU2
UniRef90_Q52UU7
UniRef90_Q3S391
UniRef90_Q52UY4
UniRef90_Q7UKZ8
UniRef90_Q49168
UniRef90_A2SPY5
UniRef90_Q52UV7
UniRef90_E1RKI3
UniRef90_B8ITW7
UniRef90_Q3S397
UniRef90_L0HE28
UniRef90_UPI000300F626

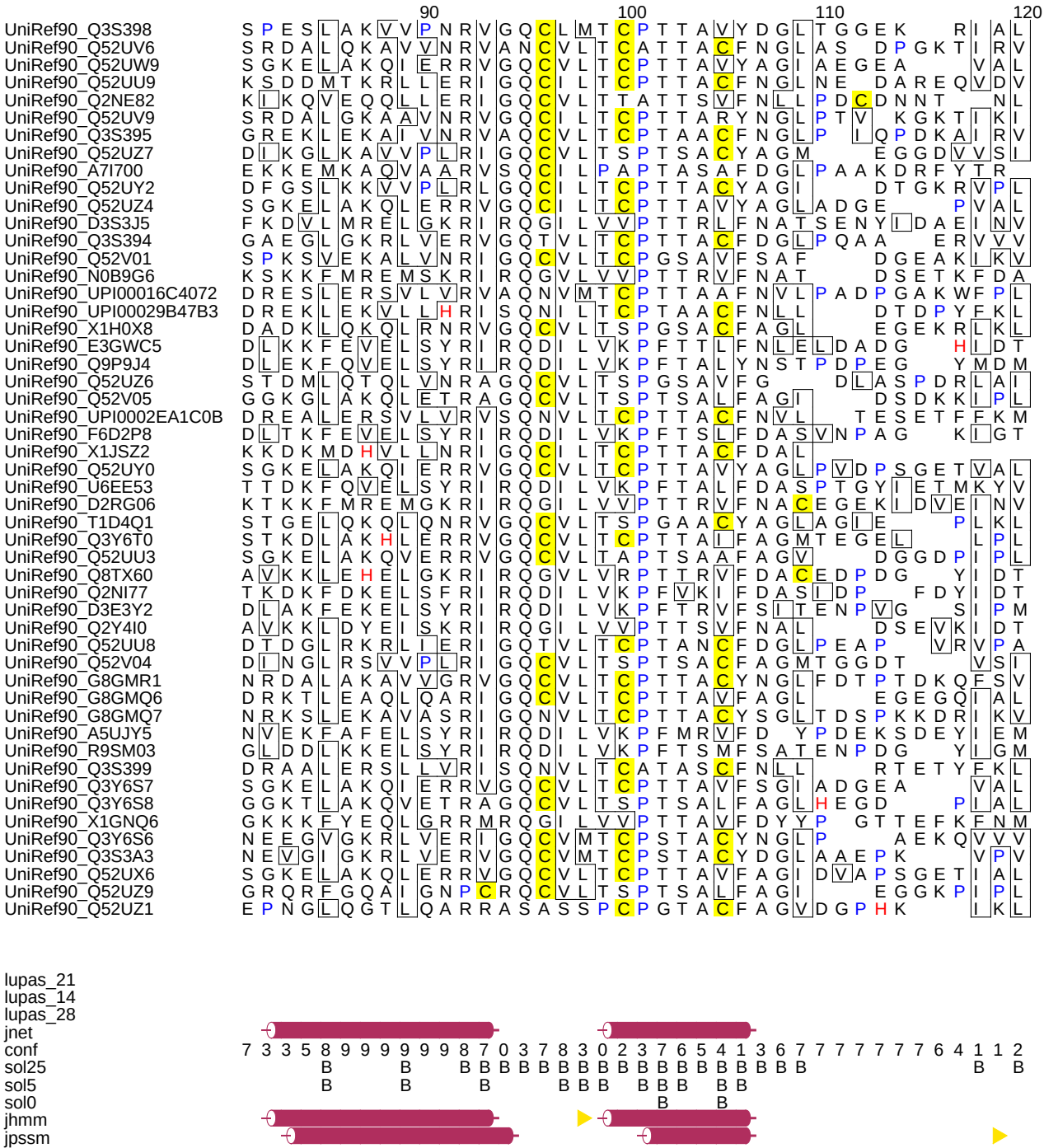

50
60
70
80
QUERY T G F G T S V I M C P A E A G I D C G Y V P P E E T P D G R P G V T I M I G H N
UniRef90_I3CJ87 T G F A T S V I A C G C E A G I E R E L S A E E T P D G R V G V S I L L F T M
UniRef90_F5SYI8 T G F A T S V I A C G C E A G I E R E L D P S E T P D G R P G V S V L I F A M
UniRef90_A2SJ40 T G F A T S V I A C G C E A G I E R E L S P E E T P D G R P G I A I L I F S M
UniRef90_T1XD35 T G F A T S V I A C G C E A G I E R E I A P D E S P D G R P G V S V L M F S M
UniRef90_G7ZAY1 T G F A T S V I A C G C E S G I E R E L S P D E T P D G R P G V A L L F F A T
UniRef90_UPI00037545AB T G Y A A S V I G C D A E A A V E R V L S P D E T P D G R P G V S V L M F A F
UniRef90_G2DWZ8 T G F A T S V I A C G A E A G I E A E M A P E Q T P D G R P G I S V L L F A M
UniRef90_Q1H0Q5 T G F A T S V I A C G V E A G I E R E L T P E E T P D G R P G V S I L M F A M
UniRef90_I0HWJ0 T G F A T S V I G C G C E A G I E R R L S P D E T P D G R P G V A L L F F A M
UniRef90_UPI00039F581B F G F A T S V I A C G C E A G I E R E L A P E E T P D G R P G V A G L L F A V
UniRef90_W6WWF1 T G F A T S V I A C G C E A G I E R E L S P D E T P D G R P G V A L L L F S M
UniRef90_UPI00036EAC4B T G F A T S V I G C G V E A G I E R E L S A D E T P D G R P G I S I L M F A M
UniRef90_N0BKM9 T G F G T S V I M C P A E A G I E K K A L P S E T P D G R P G Y Y I Q I C H M
UniRef90_D3L4W4 T G F A T S V I G C G C E A G I E A E L N S T Q T P D G R P G T S I L I F G V
UniRef90_G8MDP7 T G F A T S V I D C G C E A G I E R D L A G D E T P D G R P G V S V L I F A I
UniRef90_Q8TUQ5 T G F A T S V I M C P A E A G I E K F A S P S E T P D G R P G V Y V Q I C T F
UniRef90_F5RAV7 T G F A T S V I A C G A E A G I E R V L S P A E T P D G R P G V S V L L F A V
UniRef90_Q57766 T G F G C S V I M C P A E A G I E K Y V P P S K T P D G R P G F I I Q I C H P
UniRef90_UPI00037E9BCC T G F A T S V I G C G V E A G I E S V T P P S E T P D G R P G I S V L I F G M
UniRef90_A7IG96 T G F A T S V I G C G C E A A I E R Q L A P D E T P D G R P G Y A V L I F A M
UniRef90_D5SRS8 T G Y A T S V I G C D L E A G I E R K L T P D E T P D G R P G V A L L M F S F
UniRef90_UPI0003667D00 T G F A T S V I G C G C E A G V E R E V P A E E T P D G R P G V S T L I F A M
UniRef90_UPI00029B0686 C G N A T S V I A C D V E A A I E R T V A P S D T P D G R P G V A V L V F G F
UniRef90_B3TB62 T G F A T S V I G C K C E A G V E R V L S P D E T P D G R P G V S V L L F A F
UniRef90_Q4JIP4 T G F A T S V I G C K V E A G I E A E L G P S E T P D G R P G V S V L L F G F
UniRef90_A6CG80 T G Y A T S V I A C D A E A G V E K F L S P A E S P D G R P G V S L M F A F
UniRef90_F0SSN0 T G Y G T S V I A C D A E A G I E Q V L S D E E T P D G R P G V A I L L F A F
UniRef90_E1REI3 T G F A T S A I G C P C E A G I E R I L P A S E T P D G R P G V A V L F F A G
UniRef90_A0B9N6 T G F G T S V I M C P A E A G I E C I V P S T E T P D G R P G V Y I Q I C N M
UniRef90_UPI00036AF46B T G F A T S V I G C G C E A G I E R T L A P E E T P D G R P G V S L L I F A M
UniRef90_D1J8Z9 T G F G T S V I M C P A E A G I D K I A S P E D T P D G R P G V Y V M M C T F
UniRef90_Q52UX5 T G F A T S V I A C G C E A G I E R E L G A D E T P D G R P G I A V L L F A M
UniRef90_G7ZBU3 T G F A T S V I G C G C E A A V E R L L T P E E T P D S R P G A A V M I F G M
UniRef90_D5WEG1 S G F A T S V I G C G C E A G I E R T L A P E A T P D G R P G V A V L L F A V
UniRef90_G8AVD4 T G F A T S V I A C G C E A A M E R V L P P D E S P D S R P G A A V L L F A M
UniRef90_D2R5E2 T G Y A T S V I A C D A E A G V E N Y L D S S Q T P D G R V G A N I L L F G F
UniRef90_E8QZI9 T G Y A T S V I A C D A E A G V E R E L E P D Q T P D G R P G V R L L I F A L
UniRef90_F2KML2 T G F G T S I I M C P A E A G I E G K A K P E E T P D G R P G V Y I Q I C H P
UniRef90_D7EBE7 T G F G T S V I M C P A E A G I E R F A N W N E T P D G R P G Y Y I Q I C N F
UniRef90_A3CT61 V G F A T S T I G C P A E A G I D C F V S P D E T P D G R P G Y A I M I C A
UniRef90_M5RCX0 T G F G T S V I A C G I E I A V E R E L A E T E T P D G R P G V A I L A F T V
UniRef90_D8JYG4 T G F G T S V I G C G A E C G I D K E L S P D E T P D G R P G V R I L I F G F
UniRef90_Q52UV5 T G Y A T S V I G C D A E A A I E K E L E A F D T P D G R P G V S L L F F G F
UniRef90_UPI0003B45CEE T G F A T S V I G C G C E A A I D I D I S A S E T P D G R P G C R V M I F A M
UniRef90_Q0BU24 T G F A T S V I A C G I E A G I D R E L R P D E T P D G R P G V R V L M F G M
UniRef90_Q3S3A1 C G F A T S V I A C D C E A A L E R A I S P D D M P D G R P G V S V L L F A F
UniRef90_UPI00037F9642 T G F G T S V I G C G A E C G I D R E L S P S E T P D G R P G V R V L M F G F
UniRef90_Q1YFY4 T G F A T S V I A C G C E A G I D R V V P A S E T R D G R P G V R I L L F S M
UniRef90_A6UTJ4 T G F G C S V I M C P A E A G I E K Y V P A T E T P D G R P G Y I I E I C H P
UniRef90_R9SL95 T G Y G T S V I G C P A E A G I D H Y V P P T E T P D G R P G F A I M I C H M
UniRef90_A4A124 C G Y G S S V I A C D A E V G V E R W L S P D Q S P D G R V G V S I L A F G F
UniRef90_Q3S390 T G F A T S V I G C K C E A G I E R E L N Q E E S P D G R P A I S I L L F A M
UniRef90_F0T892 T G Y G T S V I G C P A E A G I D C Y V P P Q E T P D G R P G Y V I M I C N M
UniRef90_M5DYM8 V G F A T S I I E C G I E A G I E K K L S S D Q T L D G R P G V S L L F F T M
UniRef90_Q648X6 T G F G T S V I A C P A E A G I E K I L S P E E T P D G R P G V A I M I C H F
UniRef90_A5UM69 T G Y G T S V I G C P A E A G I D C Y V P P T E T P D G R P G Y V I M L C Q G
UniRef90_B8EKG2 T G F A T S V I G C K V E A G I D R D A P E S E T P D G R P G V R V L M F S M
UniRef90_G8GMQ8 C G N A S S V I G C D V E A G I E R G L G E S R T P D G R P G V S V L A F A F
UniRef90_UPI00016C3F5E T G Y A A S V I G C D A E A G L E K E L T P A E T P D G R P G V S L L F F A F
UniRef90_F4BTC4 T G F G T S V I G C P A E A G I E C L V D G R E T V D G R P G V N I L L C N M
UniRef90_J7QQ18 T G F A T S V I G C G C E A G I D R E V P P E E T P D G R P G V R A L L F A M
UniRef90_X1FPQ1 T G Y G T S T I H C D S E A G I D V F V S A E K T P D N R P G V V L M F F K T
UniRef90_M5U9N7 T G F G T S V I A C G I E T A V E Q E L S P E E T P D G R P G V A I L A F A V
UniRef90_G8GMQ9 C G F A T S V I A C K I E A A S E R Q L S A E E T P D G R P G V T V L V F A F
UniRef90_Q52UW7 T G F A T S V I A C G C E A G I E R V L D A S E T P D G R P G V A L L F F A M
UniRef90_Q52UV4 S G Y A T S V I A C D A E V A I E R A L D A E E T P D G R P G V S V L V F A F
UniRef90_Q52UV0 T G F A T S I I G C K C E A G I E A D I S P D Q T P D A R P G V S V L I F A M
UniRef90_Q49118 T G F A T S V I G C G A E A G I D A E L S P D E T P D G R P G V R I L L F G F
UniRef90_Q52UV8 T G Y A S S V I R C D V E A G V E R T L N A N E T L D A R P G I S I L M F G F
UniRef90_Q3JF31 T G F A T S V I A C G C E A G I E R E L D P S E T P D G R P G V A I L L F A I
UniRef90_Q2FKY6 T G F A T S A I G C P C E A G I E G Y V S A D E T P D G R P G V S I L I C A
UniRef90_D5MJV3 T G F G T S V I G C G C E V A I E G I E P T D T P D D R P G V S V L L F A M
UniRef90_Q0W8U1 T G F G T S V I G C P A E A G I D C F V P S T K T P D G R P G Y V I M I C H P
UniRef90_B8GE36 S G F A T S C I G C T A E C G V D T F V P A E E T P D G R P G Y S M L I C N P
UniRef90_Q52UV2 C G N A T S V I A C D V E A A I E R T V S A E E T P D G R P G V S V L V F G F
UniRef90_Q3S389 T G F A S S V I A C G C E A D I E R E L L P E E T P D G R P G I A V I I F A M
UniRef90_UPI00047853D2 A G F A H S V I G C G C E A G V E R F L P P E E T P D G R P G A T V L L F A S
UniRef90_Q0G4K5 T G F A T S V I A C G C E G G I E R V L S P E E T R D G R P G V R V L F F G F
UniRef90_Q52UU2 T G F A T S V I A C G C E A G I E R R L K P T E T P D G R P G A A V L L F T M
UniRef90_Q52UU7 T G F A T S V I G C K C E A G I E R E L G P G D T P D G R P G F S I L L M T M
UniRef90_Q3S391 T G F A T S V I G C K L E A G I E A D L E P D A T P D G R P G V T V L L F A F
UniRef90_Q52UY4 T G F A T S V I G C G C E A A I E R G I P A D E T P D G R P G Y A V L I F A M
UniRef90_Q7UKZ8 C G F G T S V I A C G L E I A V E Q T L S P E Q T P D G R P G V A I L A F G M
UniRef90_Q49168 T G Y G T S V I G C P A E A G I D T Y I P P K N T P D Q R P G F T I I I C N P
UniRef90_A2SPY5 T G F A T S T I G C P C E A G I E R F V P A S E T P D N R P G Y A I M L C C
UniRef90_Q52UV7 T G Y A S S V I G C D V E A G I E R W L T P E E T P D G R P G V S L L Y F G F
UniRef90_E1RKI3 T G F A T S T I M C P C E A G I E R Y Y S P E E T P D K R P G V S I F I C T
UniRef90_B8ITW7 T G F A T S V I G C G A E A G I D A V L G P E A T P D G R P G V R V L V F G F
UniRef90_Q3S397 T G F A T S V I A C K C E A A I E R M L P P E E T P D A R P G A S I L I F S T
UniRef90_L0HE28 T G F A T S K I A C P C E A G I E R E F L S R E T P D G R P G V S I L I C A
UniRef90_UPI000300F626 T G Y A T S V I G C D C E A G V D C E L S E E E T P D G R P G V R L L F F A F

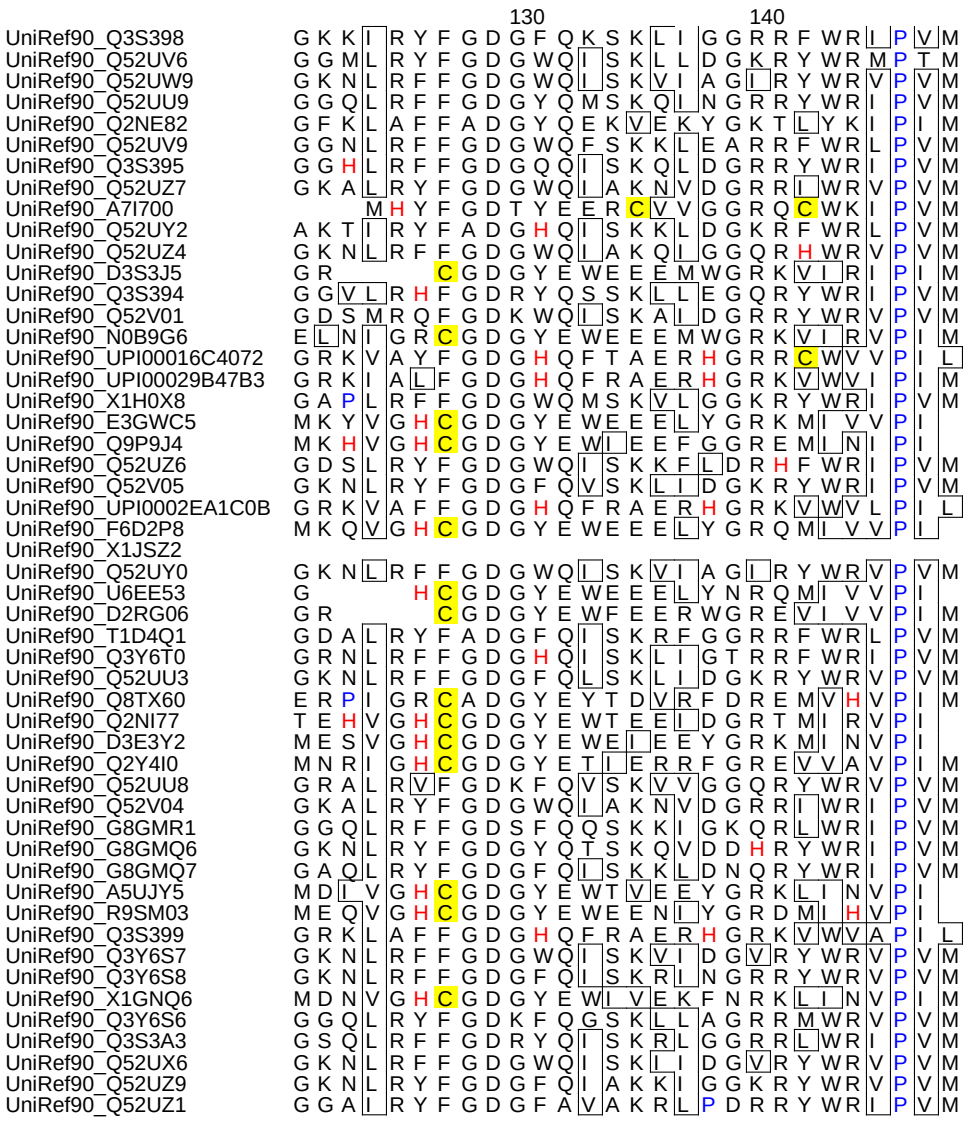

90
100
110
120
QUERY
UniRef90_I3CJ87
UniRef90_F5SYI8
UniRef90_A2SJ40
UniRef90_T1XD35
UniRef90_G7ZAY1
UniRef90_UPI00037545AB
UniRef90_G2DWZ8
UniRef90_Q1H0Q5
UniRef90_I0HWJ0
UniRef90_UPI00039F581B
UniRef90_W6WWF1
UniRef90_UPI00036EAC4B
UniRef90_N0BKM9
UniRef90_D3L4W4
UniRef90_G8MDP7
UniRef90_Q8TUQ5
UniRef90_F5RAV7
UniRef90_Q57766
UniRef90_UPI00037E9BCC
UniRef90_A7IG96
UniRef90_D5SRS8
UniRef90_UPI0003667D00
UniRef90_UPI00029B0686
UniRef90_B3TB62
UniRef90_Q4JIP4
UniRef90_A6CG80
UniRef90_F0SSN0
UniRef90_E1REI3
UniRef90_A0B9N6
UniRef90_UPI00036AF46B
UniRef90_D1J8Z9
UniRef90_Q52UX5
UniRef90_G7ZBU3
UniRef90_D5WEG1
UniRef90_G8AVD4
UniRef90_D2R5E2
UniRef90_E8QZI9
UniRef90_F2KML2
UniRef90_D7EBE7
UniRef90_A3CT61
UniRef90_M5RCX0
UniRef90_D8JYG4
UniRef90_Q52UV5
UniRef90_UPI0003B45CEE
UniRef90_Q0BU24
UniRef90_Q3S3A1
UniRef90_UPI00037F9642
UniRef90_Q1YFY4
UniRef90_A6UTJ4
UniRef90_R9SL95
UniRef90_A4A124
UniRef90_Q3S390
UniRef90_F0T892
UniRef90_M5DYM8
UniRef90_Q648X6
UniRef90_A5UM69
UniRef90_B8EKG2
UniRef90_G8GMQ8
UniRef90_UPI00016C3F5E
UniRef90_F4BTC4
UniRef90_J7QQ18
UniRef90_X1FPQ1
UniRef90_M5U9N7
UniRef90_G8GMQ9
UniRef90_Q52UW7
UniRef90_Q52UV4
UniRef90_Q52UV0
UniRef90_Q49118
UniRef90_Q52UV8
UniRef90_Q3JF31
UniRef90_Q2FKY6
UniRef90_D5MJV3
UniRef90_Q0W8U1
UniRef90_B8GE36
UniRef90_Q52UV2
UniRef90_Q3S389
UniRef90_UPI00047853D2
UniRef90_Q0G4K5
UniRef90_Q52UU2
UniRef90_Q52UU7
UniRef90_Q3S391
UniRef90_Q52UY4
UniRef90_Q7UKZ8
UniRef90_Q49168
UniRef90_A2SPY5
UniRef90_Q52UV7
UniRef90_E1RKI3
UniRef90_B8ITW7
UniRef90_Q3S397
UniRef90_L0HE28
UniRef90_UPI000300F626


130
140
QUERY G Y K L S F F G D G Y Q E E D E L D G R K V W K I P V V
UniRef90_I3CJ87 G K N L R Y F G D G W Q I S K V I A G K R Y W R I P V M
UniRef90_F5SYI8 G Q N L R Y F G D G F Q I S K M I D G K R Y W R I P V M
UniRef90_A2SJ40 G K N L R F F G D G W Q T S K V I G G Q R Y W R V P V M
UniRef90_T1XD35 G K N L R F F G D G W Q I S K V I D G V R Y W R V P V M
UniRef90_G7ZAY1 G R K L R Y F G D G Q Q M S K L L G G R R Y W R I P V M
UniRef90_UPI00037545AB G G N L R F F G D G W Q S S K V F D G R R Y W R I P V M
UniRef90_G2DWZ8 G K N L R F F G D G Y Q I S K Q I D G R R Y W R V P V M
UniRef90_Q1H0Q5 G K N L R F F G D G F Q I S K V F N G K R Y W R V P V M
UniRef90_I0HWJ0 G R N L R F F G D G W Q I A K Q I G G Q R F W R V P V M
UniRef90_UPI00039F581B G K N L R Y F G D G W Q M S K L I G G R R Y W R I P V M
UniRef90_W6WWF1 G K N L R F F G D G W Q I S K L I D G K R Y W R V P V M
UniRef90_UPI00036EAC4B G K H L R Y F G D G Y Q T S K L I Q D K R Y W R I P V M
UniRef90_N0BKM9 G F K L K F F A D G Y E K E L E V G G R K C W A V P M M
UniRef90_D3L4W4 G G K L R Y F G D S Y Q S S K F L D K R R F W R I P V M
UniRef90_G8MDP7 G A G L R F F G D G Y Q I S K V L G G T R Y W R V P V M
UniRef90_Q8TUQ5 G F K L K F F G D G M E S E A Q V A G R K V Y K V P I M
UniRef90_F5RAV7 G K T L R F F G D G F Q T S K Q I A G K R Y W R V P V M
UniRef90_Q57766 G F K L K F F G D G Y E K K D E L Y G R K V Y K I P I M
UniRef90_UPI00037E9BCC G Q N L R Y F G D G H Q I S K L F G S R R F W R I P V M
UniRef90_A7IG96 G R A L R Y F G D G Y Q I A K S I D G R R F W R I P V M
UniRef90_D5SRS8 G D G L R Y F G D G Y Q M S K M L G D Q R Y W R I P V M
UniRef90_UPI0003667D00 G K A L R Y F G D G W Q I A K N V D G R R I W R I P V M
UniRef90_UPI00029B0686 G G A I R Y F G D G F Q Q S K K F D Q R R F W R I P V M
UniRef90_B3TB62 G G K L R Y F G D G Y Q I G K R L G G A R Y W R I P V M
UniRef90_Q4JIP4 G G Q L R H F G D K Y Q A S K S L N G R R Y W R I P V M
UniRef90_A6CG80 G S Q L R F F G D G F Q V S K K W G D R R L W R V P V M
UniRef90_F0SSN0 G K Q L R Y F G D G F Q A S K V I G T T R Y W R I P V M
UniRef90_E1REI3 D V K L H F F G D G Y E Y Q K E V G G R N C W A I P I M
UniRef90_A0B9N6 G K K L G Y F G D G Y Q C E I K Y C N R N F C K I P I M
UniRef90_UPI00036AF46B A K T I R Y F A D G H Q I S K K I G D K R F W R L P V M
UniRef90_D1J8Z9 G F K L K F F G D G F E S E E E L N G R E V V R V P I M
UniRef90_Q52UX5 G K N L R F F G D G W Q I A K V I D A K R Y W R V P V M
UniRef90_G7ZBU3 G G G L R Y F G D G H Q I A K K F G D R R F W R L P V M
UniRef90_D5WEG1 G S G L R F F G D G W Q I A K M I G P T R Y W R V P V M
UniRef90_G8AVD4 G N A L R Y F G D G W Q I A K R V G S R R Y W R I P V M
UniRef90_D2R5E2 G K H L R F F G D G F Q K S K Q I A G R R Y W R I P V M
UniRef90_E8QZI9 G G K L R Y F G D G W Q I A K L V G E R R F W R M P T M
UniRef90_F2KML2 G N K L R Y F G D G F E K Q L E I G D R K V W A I P I M
UniRef90_D7EBE7 G Y K L K F F G D G M E S E T Q I L D R K M Y S I P I M
UniRef90_A3CT61 P V K L H F F G D G Y E E K R E V G G R T V W A I P I M
UniRef90_M5RCX0 G K S L R Y F G D G H Q I S K V I G S R R Y W R I P V M
UniRef90_D8JYG4 G K A P R Y F G D G Y Q T S K K L G D S R Y W R V P V M
UniRef90_Q52UV5 G G Q L R F F G D G W Q I S K K L D D K R Y W R I P V M
UniRef90_UPI0003B45CEE G S S L R Y F G D G W Q I S K K F G G K H Y W R V P V M
UniRef90_Q0BU24 G S L L R Y F G D G W Q I A K K L D G R R F W R I P V M
UniRef90_Q3S3A1 G G Q L R F F G D G F Q A S K K L G T R R F W R I P V M
UniRef90_UPI00037F9642 A S G P R F F G D G W Q T A K K L G K R R F W R V P V M
UniRef90_Q1YFY4 G S A I R Y F A D G W Q I S K K F S G R H F W R M P V M
UniRef90_A6UTJ4 G F K L K F F G D G Y E T K E K L N D K V M Y S V P I M
UniRef90_R9SL95 G N K L R F F G D G Y E T E V E V N G R K M Q S I P I M
UniRef90_A4A124 G K Q L R Y F G D G F Q K S K V I A G R R Y W R I P V M
UniRef90_Q3S390 G G K L R Y F G D G H Q A S K K L G Q T R M W R I P V M
UniRef90_F0T892 G Q K L K F F G D G Y E Q T I D V E G R K V H S I P L M
UniRef90_M5DYM8 G G N I R Y F G D G F Q I S K L Y D D R R F W R I P I M
UniRef90_Q648X6 P V K L H F F G D G F E Y E K E V G G H K V W V I P I M
UniRef90_A5UM69 G F K L K F F G D G F E D E L E I D G R K M H S I P I M
UniRef90_B8EKG2 G D Q L R Y F G D G W Q I S K K F L G R H F W R V P V M
UniRef90_G8GMQ8 G A Q L R Y F G D G F Q I S K K L D N Q R Y W R I P V M
UniRef90_UPI00016C3F5E G G N L R F F G D G W Q I S K L L D G K R Y W R V P V M
UniRef90_F4BTC4 G K K L S F F G D G Y Q K T E E M F G R N I W K I L L M
UniRef90_J7QQ18 G D A V R Q F G D K W Q M S K V V D G R R Y W R V P V M
UniRef90_X1FPQ1 G Y K L K F F G D K F E E K I E V Y P F E A W K I P V M
UniRef90_M5U9N7 G K A L R Y F G D G Y Q I S K Q I D G T R Y W R V P V M
UniRef90_G8GMQ9 G A A L R F F G D G N Q I A K K I G N R R F W R I P V M
UniRef90_Q52UW7 G K N L R F F G D G W Q T S K V I G G V R Y W R V P V M
UniRef90_Q52UV4 G G R L R Y F G D G W Q I S K R L D G R R Y W R V P V L
UniRef90_Q52UV0 G S Q L R F F G D R Y Q I S K V L D G R R L W R I P V M
UniRef90_Q49118 G G A I R Y F G D G F A V A K R L P D R R Y W R I P V M
UniRef90_Q52UV8 G G N L R F F G D G H Q F S K K L E G R R Y W R L P V M
UniRef90_Q3JF31 G K N L R F F G D G F Q I S K I I N G R R Y W R I P V M
UniRef90_Q2FKY6 K I H F F G D K F E S K V E I G G R Q C W K I P I M
UniRef90_D5MJV3 G G K L K F F G D G F Q I S K R L G P R R F W R I P V M
UniRef90_Q0W8U1 D V K L H F F G D G F E S K Q V V G G R N V Y A I P I M
UniRef90_B8GE36 P V K L H F F G D G Y E Y Q Q K V G D R D C W A I P L M
UniRef90_Q52UV2 G G A I R Y F G D T F Q K S K K L G D R R F W R I P V M
UniRef90_Q3S389 G K S L R Y F G D G F Q I S K K V N G V R Y W R I P V M
UniRef90_UPI00047853D2 G G K L R Y F G D G W Q G S K V L E G S R F W R I P V M
UniRef90_Q0G4K5 G S A I R Y F A D G F Q V S K K F A G K H F W R M P V M
UniRef90_Q52UU2 G K N L R F F G D G W Q L S K K L G T R R Y W R V P V M
UniRef90_Q52UU7 G S A L R F F G D G F Q S S K V I G G E R F W R I P V M
UniRef90_Q3S391 G K L L R Y F G D G Y Q A S K L L D G R R Y W R V P V M
UniRef90_Q52UY4 G K A L R Y F G D G H Q I S K N L G G S R I W R I P V M
UniRef90_Q7UKZ8 G K S L R Y F G D G N Q I S K Q I D G R R Y W R I P V M
UniRef90_Q49168 G F K L K F F G D G Y E K E G E V Q G R K V H I I P I M
UniRef90_A2SPY5 K L H F F G D G Y E S K V V V G G I N C W S I P I M
UniRef90_Q52UV7 G G Q L R F F G D G W Q F S K K L D G V R Y W R I P T M
UniRef90_E1RKI3 H I K M H Y F G D S Y E S R C T V G G R K C W K I P V M
UniRef90_B8ITW7 G G A I Q M F G D G F A V A K R F G G R R F W R T P V M
UniRef90_Q3S397 G R A L R V F G D K Y Q I S K V V G G Q R Y W R V P A M
UniRef90_L0HE28 M H Y F G D R Y E D R C T I G G R S C W K I P V M
UniRef90_UPI000300F626 G D S M R Q F G D K W Q M S K A I D G R R F W R V P V M


1
10
20
30
40
UniRef90_Q3S398
UniRef90_Q52UV6
UniRef90_Q52UW9
UniRef90_Q52UU9
UniRef90_Q2NE82
UniRef90_Q52UV9
UniRef90_Q3S395
UniRef90_Q52UZ7
UniRef90_A7I700
UniRef90_Q52UY2
UniRef90_Q52UZ4
UniRef90_D3S3J5
UniRef90_Q3S394
UniRef90_Q52V01
UniRef90_N0B9G6
UniRef90_UPI00016C4072
UniRef90_UPI00029B47B3
UniRef90_X1H0X8
UniRef90_E3GWC5
UniRef90_Q9P9J4
UniRef90_Q52UZ6
UniRef90_Q52V05
UniRef90_UPI0002EA1C0B
UniRef90_F6D2P8
UniRef90_X1JSZ2
UniRef90_Q52UY0
UniRef90_U6EE53
UniRef90_D2RG06
UniRef90_T1D4Q1
UniRef90_Q3Y6T0
UniRef90_Q52UU3
UniRef90_Q8TX60
UniRef90_Q2NI77
UniRef90_D3E3Y2
UniRef90_Q2Y4I0
UniRef90_Q52UU8
UniRef90_Q52V04
UniRef90_G8GMR1
UniRef90_G8GMQ6
UniRef90_G8GMQ7
UniRef90_A5UJY5
UniRef90_R9SM03
UniRef90_Q3S399
UniRef90_Q3Y6S7
UniRef90_Q3Y6S8
UniRef90_X1GNQ6
UniRef90_Q3Y6S6
UniRef90_Q3S3A3
UniRef90_Q52UX6
UniRef90_Q52UZ9
UniRef90_Q52UZ1
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


50
60
70
80
UniRef90_Q3S398
UniRef90_Q52UV6
UniRef90_Q52UW9
UniRef90_Q52UU9
UniRef90_Q2NE82
UniRef90_Q52UV9
UniRef90_Q3S395
UniRef90_Q52UZ7
UniRef90_A7I700
UniRef90_Q52UY2
UniRef90_Q52UZ4
UniRef90_D3S3J5
UniRef90_Q3S394
UniRef90_Q52V01
UniRef90_N0B9G6
UniRef90_UPI00016C4072
UniRef90_UPI00029B47B3
UniRef90_X1H0X8
UniRef90_E3GWC5
UniRef90_Q9P9J4
UniRef90_Q52UZ6
UniRef90_Q52V05
UniRef90_UPI0002EA1C0B
UniRef90_F6D2P8
UniRef90_X1JSZ2
UniRef90_Q52UY0
UniRef90_U6EE53
UniRef90_D2RG06
UniRef90_T1D4Q1
UniRef90_Q3Y6T0
UniRef90_Q52UU3
UniRef90_Q8TX60
UniRef90_Q2NI77
UniRef90_D3E3Y2
UniRef90_Q2Y4I0
UniRef90_Q52UU8
UniRef90_Q52V04
UniRef90_G8GMR1
UniRef90_G8GMQ6
UniRef90_G8GMQ7
UniRef90_A5UJY5
UniRef90_R9SM03
UniRef90_Q3S399
UniRef90_Q3Y6S7
UniRef90_Q3Y6S8
UniRef90_X1GNQ6
UniRef90_Q3Y6S6
UniRef90_Q3S3A3
UniRef90_Q52UX6
UniRef90_Q52UZ9
UniRef90_Q52UZ1
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


90
100
110
120
UniRef90_Q3S398
UniRef90_Q52UV6
UniRef90_Q52UW9
UniRef90_Q52UU9
UniRef90_Q2NE82
UniRef90_Q52UV9
UniRef90_Q3S395
UniRef90_Q52UZ7
UniRef90_A7I700
UniRef90_Q52UY2
UniRef90_Q52UZ4
UniRef90_D3S3J5
UniRef90_Q3S394
UniRef90_Q52V01
UniRef90_N0B9G6
UniRef90_UPI00016C4072
UniRef90_UPI00029B47B3
UniRef90_X1H0X8
UniRef90_E3GWC5
UniRef90_Q9P9J4
UniRef90_Q52UZ6
UniRef90_Q52V05
UniRef90_UPI0002EA1C0B
UniRef90_F6D2P8
UniRef90_X1JSZ2
UniRef90_Q52UY0
UniRef90_U6EE53
UniRef90_D2RG06
UniRef90_T1D4Q1
UniRef90_Q3Y6T0
UniRef90_Q52UU3
UniRef90_Q8TX60
UniRef90_Q2NI77
UniRef90_D3E3Y2
UniRef90_Q2Y4I0
UniRef90_Q52UU8
UniRef90_Q52V04
UniRef90_G8GMR1
UniRef90_G8GMQ6
UniRef90_G8GMQ7
UniRef90_A5UJY5
UniRef90_R9SM03
UniRef90_Q3S399
UniRef90_Q3Y6S7
UniRef90_Q3Y6S8
UniRef90_X1GNQ6
UniRef90_Q3Y6S6
UniRef90_Q3S3A3
UniRef90_Q52UX6
UniRef90_Q52UZ9
UniRef90_Q52UZ1
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


130
140
UniRef90_Q3S398 G K K I R Y F G D G F Q K S K L I G G R R F W R I P V M
UniRef90_Q52UV6 G G M L R Y F G D G W Q I S K L L D G K R Y W R M P T M
UniRef90_Q52UW9 G K N L R F F G D G W Q I S K V I A G I R Y W R V P V M
UniRef90_Q52UU9 G G Q L R F F G D G Y Q M S K Q I N G R R Y W R I P V M
UniRef90_Q2NE82 G F K L A F F A D G Y Q E K V E K Y G K T L Y K I P I M
UniRef90_Q52UV9 G G N L R F F G D G W Q F S K K L E A R R F W R L P V M
UniRef90_Q3S395 G G H L R F F G D G Q Q I S K Q L D G R R Y W R I P V M
UniRef90_Q52UZ7 G K A L R Y F G D G W Q I A K N V D G R R I W R V P V M
UniRef90_A7I700 M H Y F G D T Y E E R C V V G G R Q C W K I P V M
UniRef90_Q52UY2 A K T I R Y F A D G H Q I S K K L D G K R F W R L P V M
UniRef90_Q52UZ4 G K N L R F F G D G W Q I A K Q I G G Q R H W R V P V M
UniRef90_D3S3J5 G R C G D G Y E W E E E M W G R K V I R I P I M
UniRef90_Q3S394 G G V L R H F G D R Y Q S S K L L E G Q R Y W R I P V M
UniRef90_Q52V01 G D S M R Q F G D K W Q I S K A I D G R R Y W R V P V M
UniRef90_N0B9G6 E L N I G R C G D G Y E W E E E M W G R K V I R V P I M
UniRef90_UPI00016C4072 G R K V A Y F G D G H Q F T A E E R H G R R C W V V P I L
UniRef90_UPI00029B47B3 G R K I A L F G D G H Q F R A E E R H G R K V W V I P I M
UniRef90_X1H0X8 G A P L R F F G D G W Q M S K V L G G K R Y W R I P V M
UniRef90_E3GWC5 M K Y V G H C G D G Y E W E E E L Y G R K M I V V P I
UniRef90_Q9P9J4 M K H V G H C G D G Y E W I E E F G G R E M I N I P I
UniRef90_Q52UZ6 G D S L R Y F G D G W Q I S K K F L D R H F W R I P V M
UniRef90_Q52V05 G K N L R Y F G D G F Q V S K L I D G K R Y W R I P V M
UniRef90_UPI0002EA1C0B G R K V A F F G D G H Q F R A E E R H G R K V W V L P I L
UniRef90_F6D2P8 M K Q V G H C G D G Y E W E E E L Y G R Q M I V V P I
UniRef90_X1JSZ2
UniRef90_Q52UY0 G K N L R F F G D G W Q I S K V I A G I R Y W R V P V M
UniRef90_U6EE53 G H C G D G Y E W E E E L Y N R Q M I V V P I
UniRef90_D2RG06 G R C G D G Y E W F E E R W G R E V I V V P I M
UniRef90_T1D4Q1 G D A L R Y F A D G F Q I S K R F G G R R F W R L P V M
UniRef90_Q3Y6T0 G R N L R F F G D G H Q I S K L I G T R R F W R I P V M
UniRef90_Q52UU3 G K N L R F F G D G F Q L S K L I D G K R Y W R V P V M
UniRef90_Q8TX60 E R P I G R C A D G Y E Y T D V R F D R E M V H V P I M
UniRef90_Q2NI77 T E H V G H C G D G Y E W T E E I D G R T M I R V P I
UniRef90_D3E3Y2 M E S V G H C G D G Y E W E I E E Y G R K M I N V P I
UniRef90_Q2Y4I0 M N R I G H C G D G Y E T I E R R F G R E V V A V P I M
UniRef90_Q52UU8 G R A L R V F G D K F Q V S K V V G G Q R Y W R V P V M
UniRef90_Q52V04 G K A L R Y F G D G W Q I A K N V D G R R I W R I P V M
UniRef90_G8GMR1 G G Q L R F F G D S F Q Q S K K I G K Q R L W R I P V M
UniRef90_G8GMQ6 G K N L R Y F G D G Y Q T S K Q V D D H R Y W R I P V M
UniRef90_G8GMQ7 G A Q L R Y F G D G F Q I S K K L D N Q R Y W R I P V M
UniRef90_A5UJY5 M D I V G H C G D G Y E W T V E E Y G R K L I N V P I
UniRef90_R9SM03 M E Q V G H C G D G Y E W E E N I Y G R D M I H V P I
UniRef90_Q3S399 G R K L A F F G D G H Q F R A E E R H G R K V W V A P I L
UniRef90_Q3Y6S7 G K N L R F F G D G W Q I S K V I D G V R Y W R V P V M
UniRef90_Q3Y6S8 G K N L R F F G D G F Q I S K R I N G R R Y W R V P V M
UniRef90_X1GNQ6 M D N V G H C G D G Y E W I V E K F N R K L I N V P I M
UniRef90_Q3Y6S6 G G Q L R Y F G D K F Q G S K L L A G R R M W R V P V M
UniRef90_Q3S3A3 G S Q L R F F G D R Y Q I S K R L G G R R L W R I P V M
UniRef90_Q52UX6 G K N L R F F G D G W Q I S K I I D G V R Y W R V P V M
UniRef90_Q52UZ9 G K N L R Y F G D G F Q I A K K I G G K R Y W R V P V M
UniRef90_Q52UZ1 G G A I R Y F G D G F A V A K R L P D R R Y W R I P V M
lupas_21
lupas_14
lupas_28
jnet
conf 5 6 7 6 6 3 5 7 7 7 0 1 4 5 6 6 3 5 8 5 5 8 9 8 5 3 7 9
sol25 B B B B B B B B B B
sol5 B B B B
sol0
jhmm
jpssm