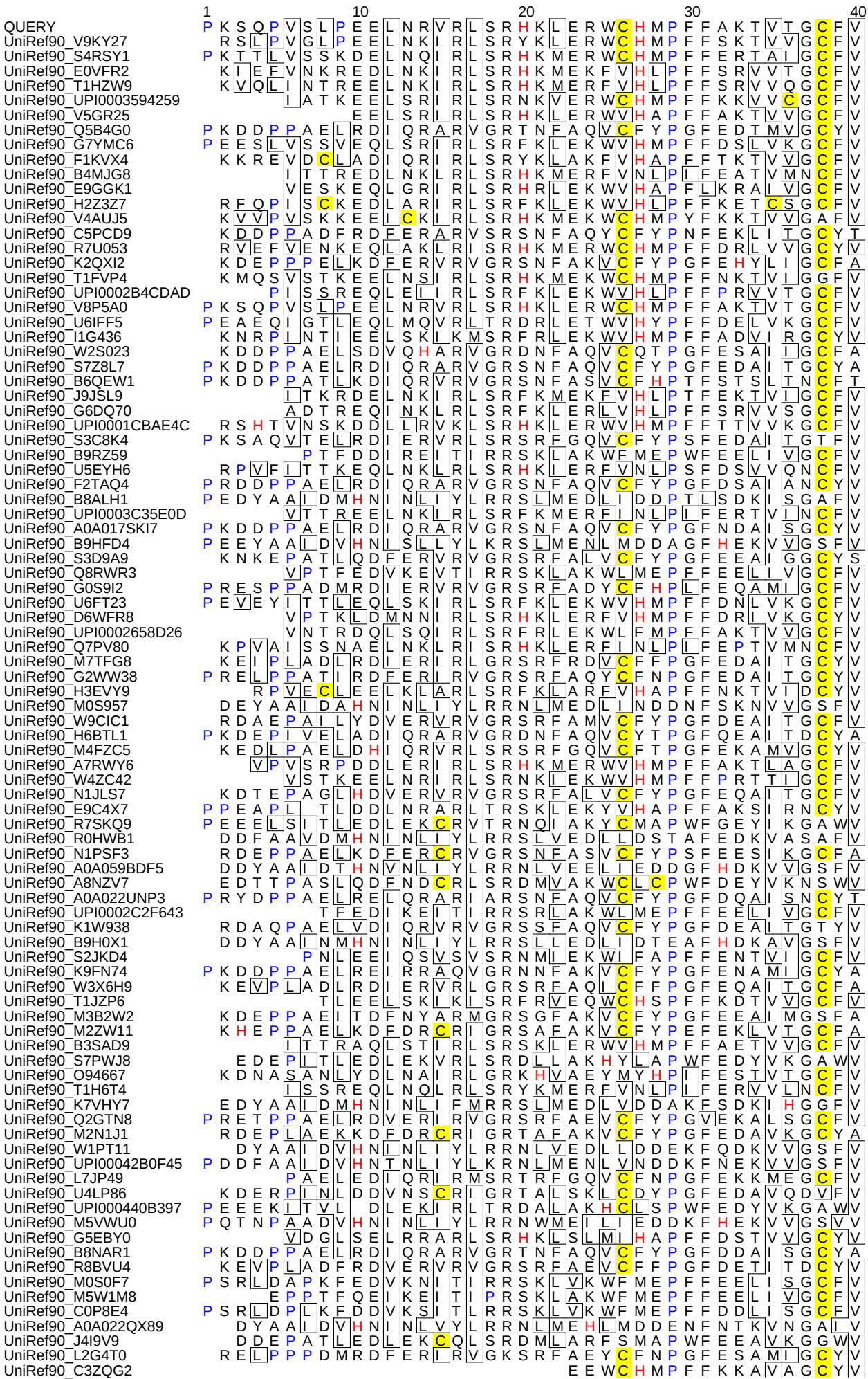
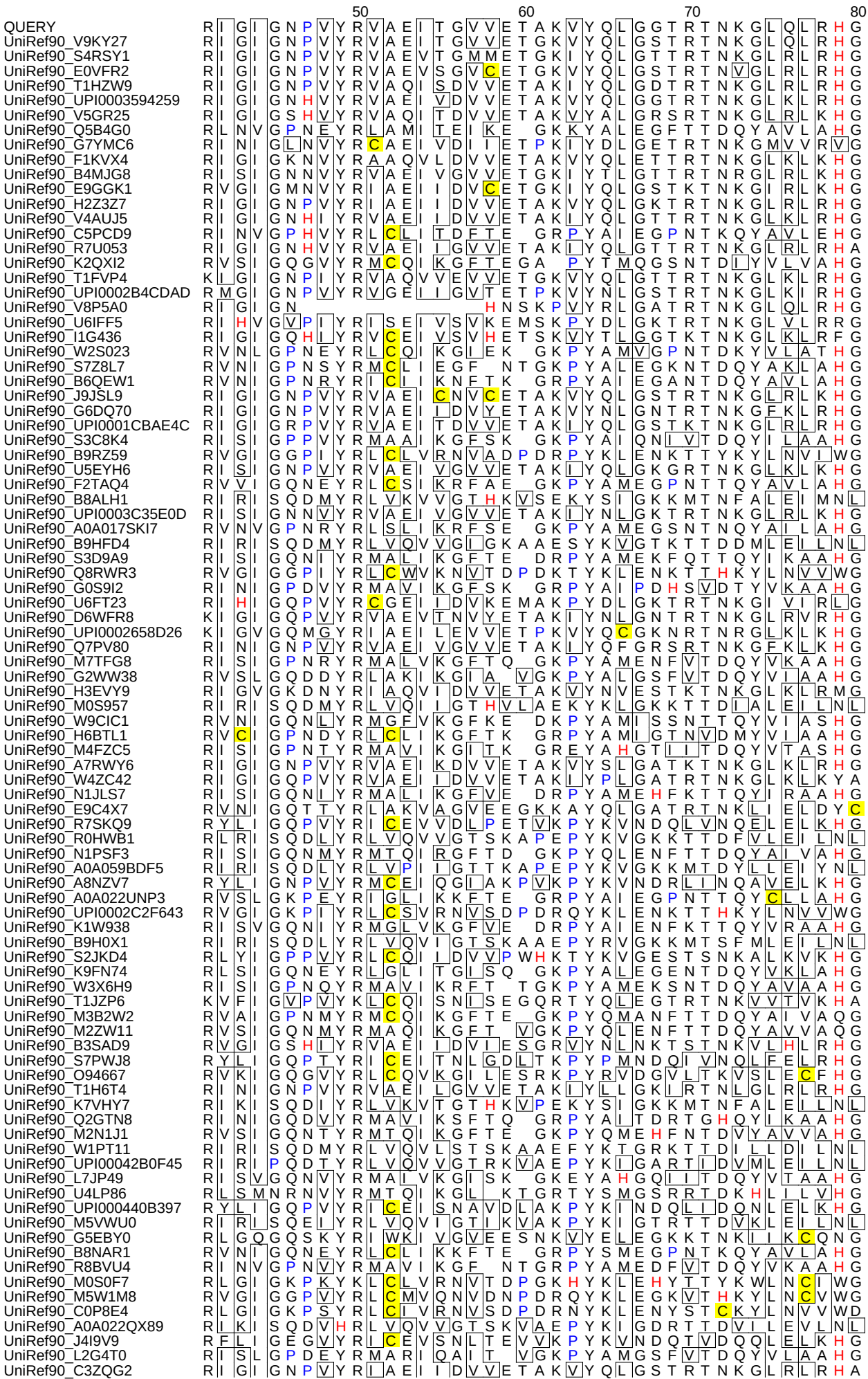
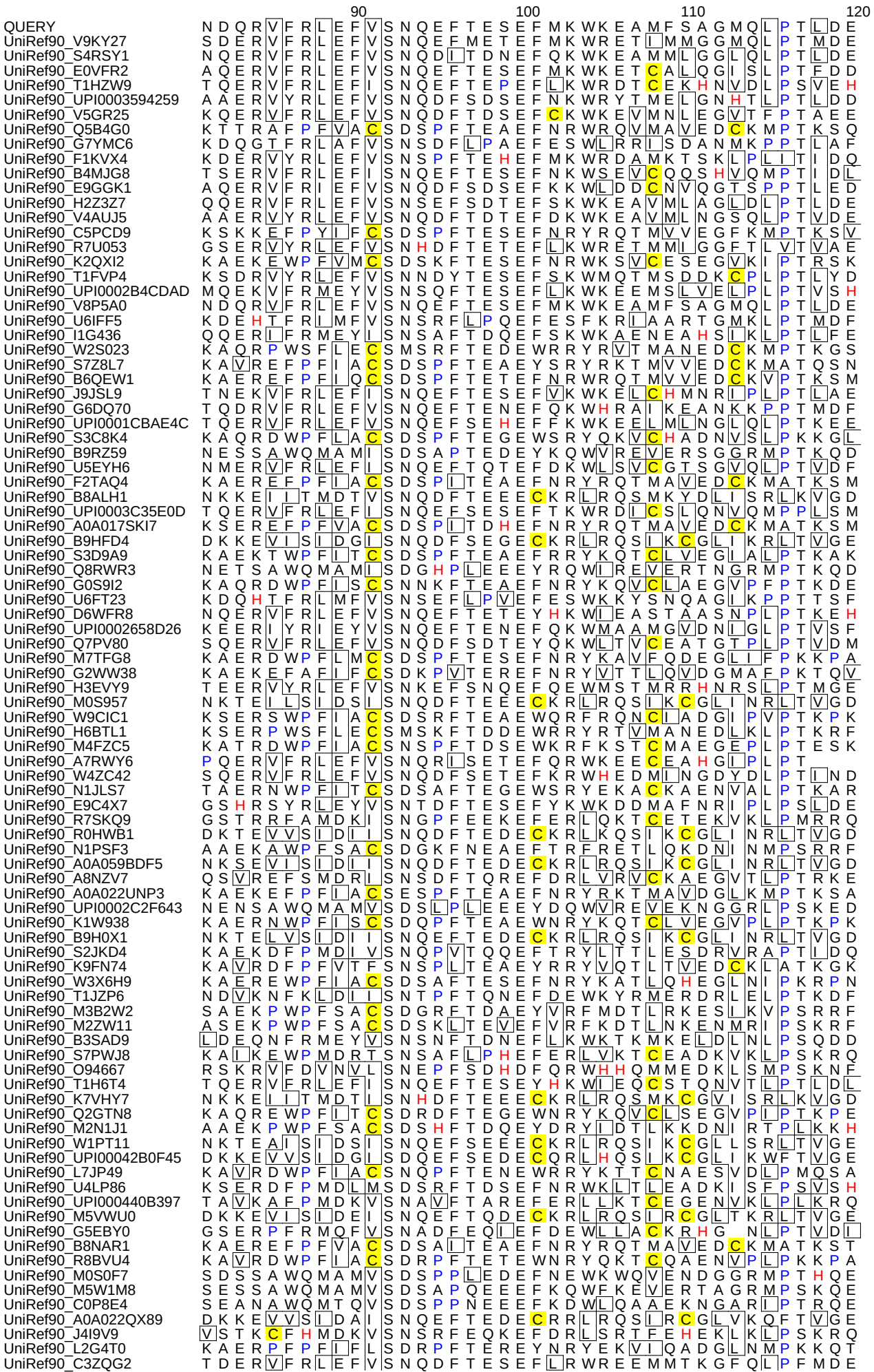
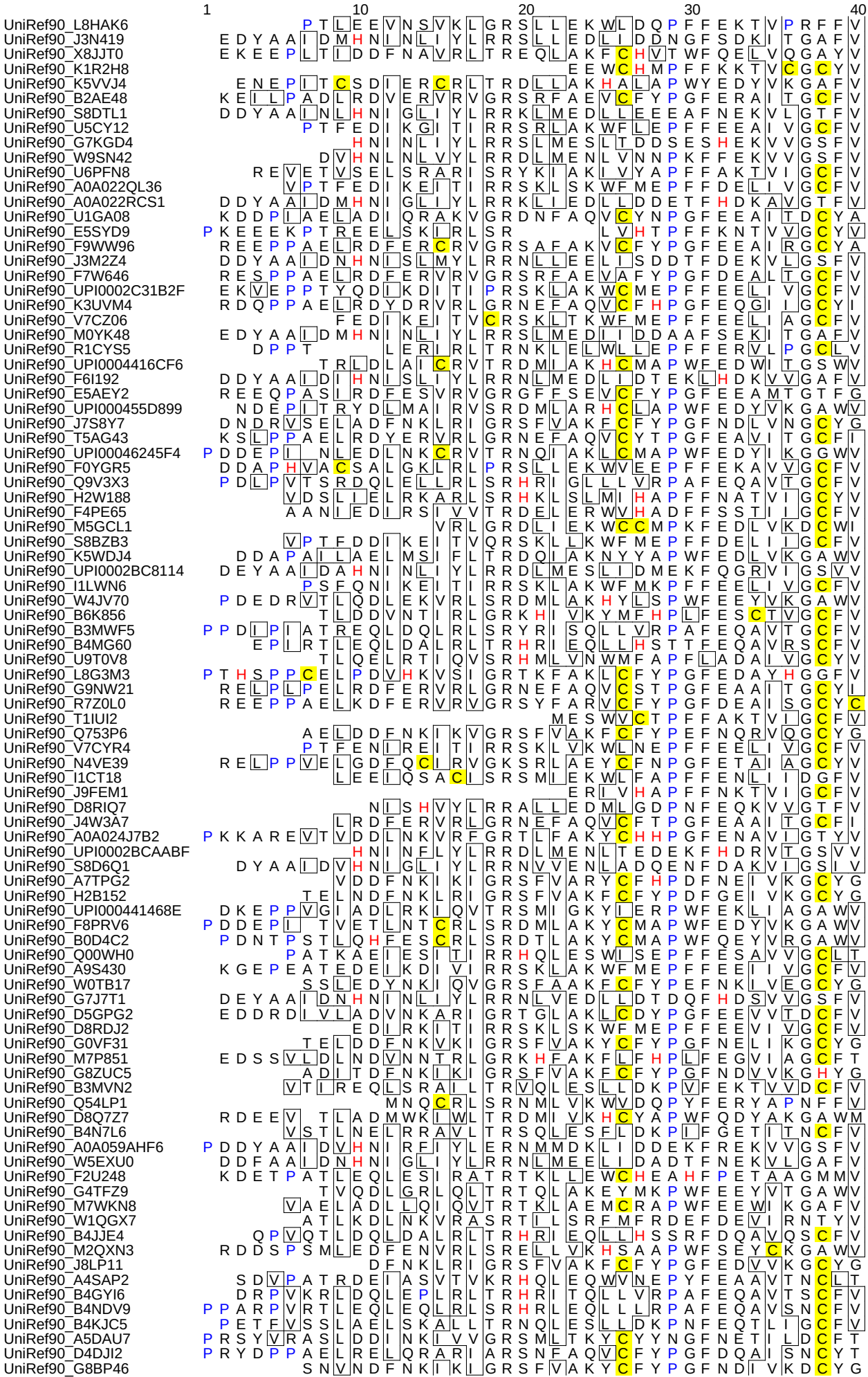
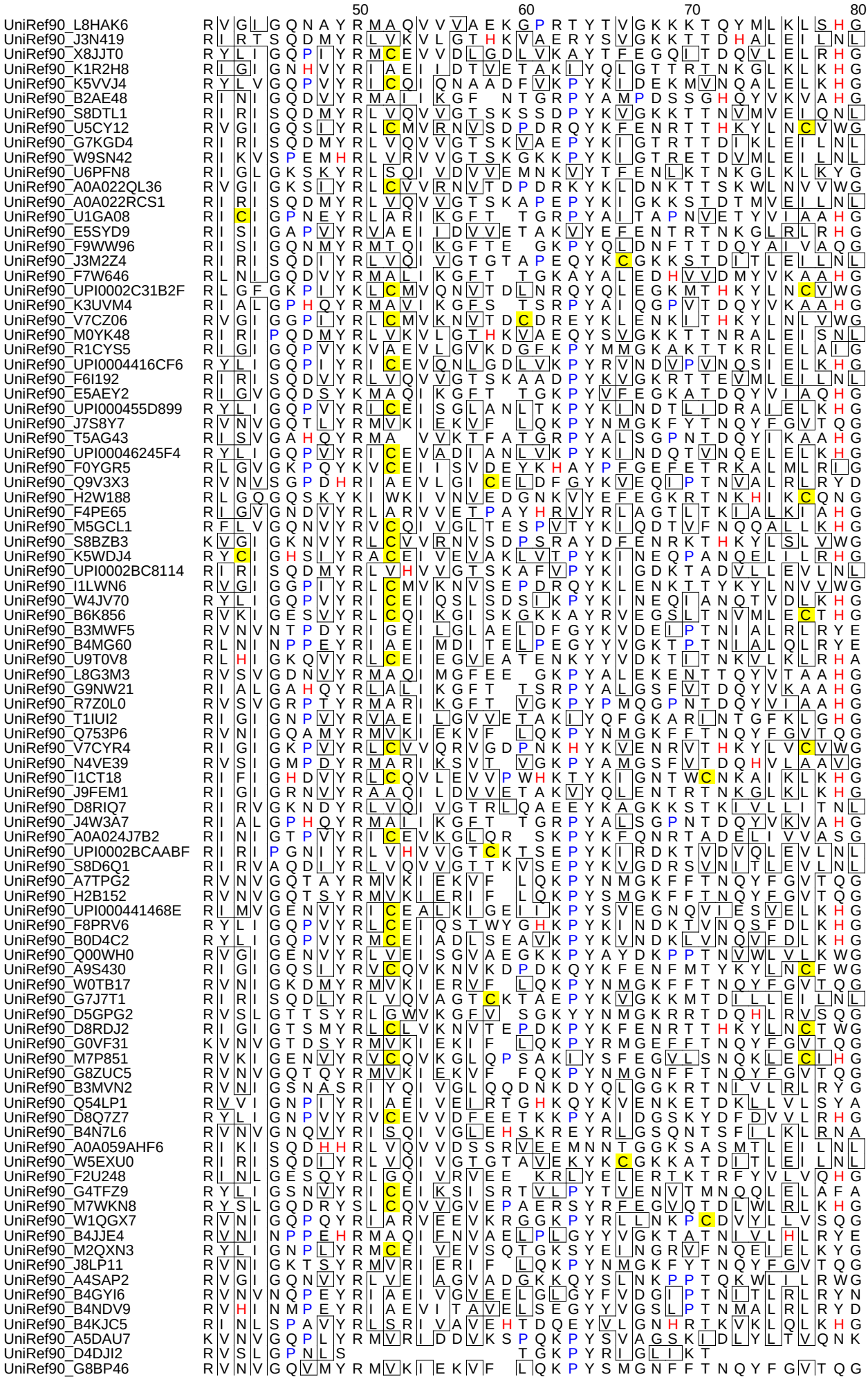

1
10
20
30
40
QUERY
UniRef90_V9KY27
UniRef90_S4RSY1
UniRef90_E0VFR2
UniRef90_T1HZW9
UniRef90_UPI0003594259
UniRef90_V5GR25
UniRef90_Q5B4G0
UniRef90_G7YMC6
UniRef90_F1KVX4
UniRef90_B4MJG8
UniRef90_E9GGK1
UniRef90_H2Z3Z7
UniRef90_V4AUJ5
UniRef90_C5PCD9
UniRef90_R7U053
UniRef90_K2QXI2
UniRef90_T1FVP4
UniRef90_UPI0002B4CDAD
UniRef90_V8P5A0
UniRef90_U6IFF5
UniRef90_I1G436
UniRef90_W2S023
UniRef90_S7Z8L7
UniRef90_B6QEW1
UniRef90_J9JSL9
UniRef90_G6DQ70
UniRef90_UPI0001CBAE4C
UniRef90_S3C8K4
UniRef90_B9RZ59
UniRef90_U5EYH6
UniRef90_F2TAQ4
UniRef90_B8ALH1
UniRef90_UPI0003C35E0D
UniRef90_A0A017SKI7
UniRef90_B9HFD4
UniRef90_S3D9A9
UniRef90_Q8RWR3
UniRef90_G0S9I2
UniRef90_U6FT23
UniRef90_D6WFR8
UniRef90_UPI0002658D26
UniRef90_Q7PV80
UniRef90_M7TFG8
UniRef90_G2WW38
UniRef90_H3EVY9
UniRef90_M0S957
UniRef90_W9CIC1
UniRef90_H6BTL1
UniRef90_M4FZC5
UniRef90_A7RWY6
UniRef90_W4ZC42
UniRef90_N1JLS7
UniRef90_E9C4X7
UniRef90_R7SKQ9
UniRef90_R0HWB1
UniRef90_N1PSF3
UniRef90_A0A059BDF5
UniRef90_A8NZV7
UniRef90_A0A022UNP3
UniRef90_UPI0002C2F643
UniRef90_K1W938
UniRef90_B9H0X1
UniRef90_S2JKD4
UniRef90_K9FN74
UniRef90_W3X6H9
UniRef90_T1JZP6
UniRef90_M3B2W2
UniRef90_M2ZW11
UniRef90_B3SAD9
UniRef90_S7PWJ8
UniRef90_O94667
UniRef90_T1H6T4
UniRef90_K7VHY7
UniRef90_Q2GTN8
UniRef90_M2N1J1
UniRef90_W1PT11
UniRef90_UPI00042B0F45
UniRef90_L7JP49
UniRef90_U4LP86
UniRef90_UPI000440B397
UniRef90_M5VWU0
UniRef90_G5EBY0
UniRef90_B8NAR1
UniRef90_R8BVU4
UniRef90_M0S0F7
UniRef90_M5W1M8
UniRef90_C0P8E4
UniRef90_A0A022QX89
UniRef90_J4I9V9
UniRef90_L2G4T0
UniRef90_C3ZQG2

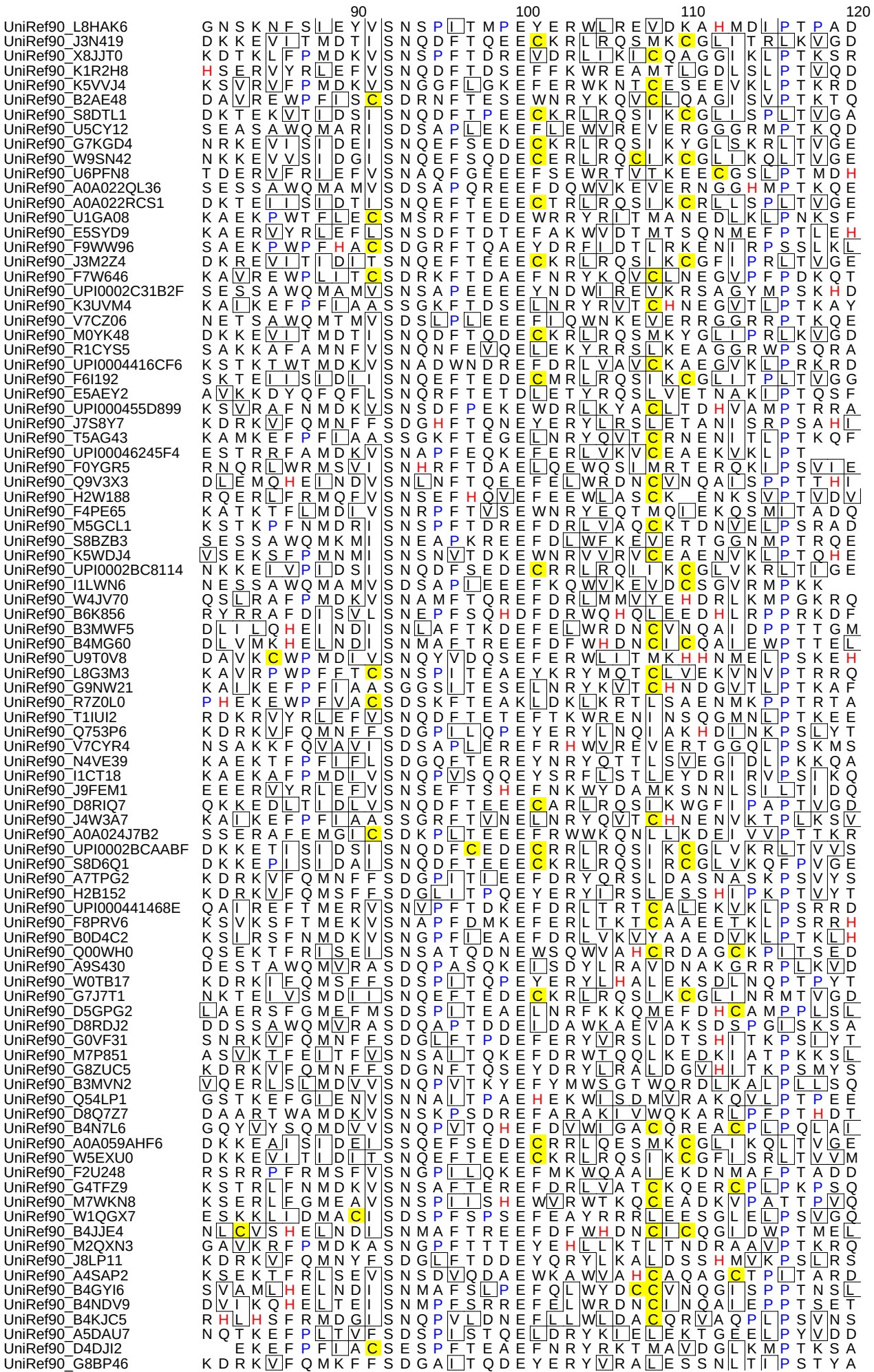

50
60
70
80
QUERY
UniRef90_V9KY27
UniRef90_S4RSY1
UniRef90_E0VFR2
UniRef90_T1HZW9
UniRef90_UPI0003594259
UniRef90_V5GR25
UniRef90_Q5B4G0
UniRef90_G7YMC6
UniRef90_F1KVX4
UniRef90_B4MJG8
UniRef90_E9GGK1
UniRef90_H2Z3Z7
UniRef90_V4AUJ5
UniRef90_C5PCD9
UniRef90_R7U053
UniRef90_K2QXI2
UniRef90_T1FVP4
UniRef90_UPI0002B4CDAD
UniRef90_V8P5A0
UniRef90_U6IFF5
UniRef90_I1G436
UniRef90_W2S023
UniRef90_S7Z8L7
UniRef90_B6QEW1
UniRef90_J9JSL9
UniRef90_G6DQ70
UniRef90_UPI0001CBAE4C
UniRef90_S3C8K4
UniRef90_B9RZ59
UniRef90_U5EYH6
UniRef90_F2TAQ4
UniRef90_B8ALH1
UniRef90_UPI0003C35E0D
UniRef90_A0A017SKI7
UniRef90_B9HFD4
UniRef90_S3D9A9
UniRef90_Q8RWR3
UniRef90_G0S9I2
UniRef90_U6FT23
UniRef90_D6WFR8
UniRef90_UPI0002658D26
UniRef90_Q7PV80
UniRef90_M7TFG8
UniRef90_G2WW38
UniRef90_H3EVY9
UniRef90_M0S957
UniRef90_W9CIC1
UniRef90_H6BTL1
UniRef90_M4FZC5
UniRef90_A7RWY6
UniRef90_W4ZC42
UniRef90_N1JLS7
UniRef90_E9C4X7
UniRef90_R7SKQ9
UniRef90_R0HWB1
UniRef90_N1PSF3
UniRef90_A0A059BDF5
UniRef90_A8NZV7
UniRef90_A0A022UNP3
UniRef90_UPI0002C2F643
UniRef90_K1W938
UniRef90_B9H0X1
UniRef90_S2JKD4
UniRef90_K9FN74
UniRef90_W3X6H9
UniRef90_T1JZP6
UniRef90_M3B2W2
UniRef90_M2ZW11
UniRef90_B3SAD9
UniRef90_S7PWJ8
UniRef90_O94667
UniRef90_T1H6T4
UniRef90_K7VHY7
UniRef90_Q2GTN8
UniRef90_M2N1J1
UniRef90_W1PT11
UniRef90_UPI00042B0F45
UniRef90_L7JP49
UniRef90_U4LP86
UniRef90_UPI000440B397
UniRef90_M5VWU0
UniRef90_G5EBY0
UniRef90_B8NAR1
UniRef90_R8BVU4
UniRef90_M0S0F7
UniRef90_M5W1M8
UniRef90_C0P8E4
UniRef90_A0A022QX89
UniRef90_J4I9V9
UniRef90_L2G4T0
UniRef90_C3ZQG2


90
100
110
120
QUERY N D Q R V F R L E F V S N Q E F T E S E F M K W K E A M F S A G M Q L P T L D E
UniRef90_V9KY27 S D E R V F R L E F V S N Q E F M E T E F M K W R E T I M M G G M Q L P T M D E
UniRef90_S4RSY1 N Q E R V F R L E F V S N Q D I T D N E F Q K W K E A M M L G G L Q L P T L D E
UniRef90_E0VFR2 A Q E R V F R L E F V S N Q E F T E S E F M K W K E T C A L Q G I S L P T F D D
UniRef90_T1HZW9 T Q E R V F R L E F I S N Q E F T E P E F L K W R D T C E K H N V D L P S V E H
UniRef90_UPI0003594259 A A E R V Y R L E F V S N Q D F S D S E F N K W R Y T M E L G N H T L P T L D D
UniRef90_V5GR25 K Q E R V F R L E F V S N Q D F T D S E F C K W K E V M N L E G V T F P T A E E
UniRef90_Q5B4G0 K T T R A F P F V A C S D S P F T E A E F N R W R Q V M A V E D C K M P T K S Q
UniRef90_G7YMC6 K D Q G T F R L A F V S N S D F L P A E F E S W L R R I S D A N M K P P T L A F
UniRef90_F1KVX4 K D E R V Y R L E F V S N S P F T E H E F M K W R D A M K T S K L P L I T I D Q
UniRef90_B4MJG8 T S E R V F R L E F I S N Q E F T E S E F N K W S E V C Q Q S H V Q M P T I D L
UniRef90_E9GGK1 A Q E R V F R I E F V S N Q D F S D S E F K K W L D D C N V Q G T S P P T L E D
UniRef90_H2Z3Z7 Q Q E R V F R L E F V S N S E F S D T E F S K W K E A V M L A G L D L P T L D E
UniRef90_V4AUJ5 A A E R V Y R L E F V S N Q D F T D T E F D K W K E A V M L N G S Q L P T V D E
UniRef90_C5PCD9 K S K K E F P Y I F C S D S P F T E S E F N R Y R Q T M V V E G F K M P T K S V
UniRef90_R7U053 G S E R V Y R L E F V S N H D F T E T E F L K W R E T M M I G G F T L V T V A E
UniRef90_K2QXI2 K A E K E W P F V M C S D S K F T E S E F N R W K S V C E S E G V K I P T R S K
UniRef90_T1FVP4 K S D R V Y R L E F V S N N D Y T E S E F S K W M Q T M S D D K C P L P T L Y D
UniRef90_UPI0002B4CDAD M Q E K V F R M E Y V S N S Q F T E S E F L K W K E E M S L V E L P L P T V S H
UniRef90_V8P5A0 N D Q R V F R L E F V S N Q E F T E S E F M K W K E A M F S A G M Q L P T L D E
UniRef90_U6IFF5 K D E H T F R I M F V S N S R F L P Q E F E S F K R I A A R T G M K L P T M D F
UniRef90_I1G436 Q Q E R I F R M E Y I S N S A F T D Q E F S K W K A E N E A H S I K L P T L F E
UniRef90_W2S023 K A Q R P W S F L E C S M S R F T E D E W R R Y R V T M A N E D C K M P T K G S
UniRef90_S7Z8L7 K A V R E F P F I A C S D S P F T E A E Y S R Y R K T M V V E D C K M A T Q S N
UniRef90_B6QEW1 K A E R E F P F I Q C S D S P F T E T E F N R W R Q T M V V E D C K V P T K S M
UniRef90_J9JSL9 T N E K V F R L E F I S N Q E F T E S E F V K W K E L C H M N R I P L P T L A E
UniRef90_G6DQ70 T Q D R V F R L E F V S N Q E F T E N E F Q K W H R A I K E A N K K P P T M D F
UniRef90_UPI0001CBAE4C T Q E R V F R L E F V S N Q E F S E H E F F K W K E E L M L N G L Q L P T K E E
UniRef90_S3C8K4 K A Q R D W P F L A C S D S P F T E G E W S R Y Q K V C H A D N V S L P K K G L
UniRef90_B9RZ59 N E S S A W Q M A M I S D S A P T E D E Y K Q W V R E V E R S G G R M P T K Q D
UniRef90_U5EYH6 N M E R V F R L E F I S N Q E F T Q T E F D K W L S V C G T S G V Q L P T V D F
UniRef90_F2TAQ4 K A E R E F P F I A C S D S P I T E A E F N R Y R Q T M A V E D C K M A T K S M
UniRef90_B8ALH1 N K K E I I T M D T V S N Q D F T E E E C K R L R Q S M K Y D L I S R L K V G D
UniRef90_UPI0003C35E0D T Q E R V F R L E F I S N Q E F S E S E F T K W R D I C S L Q N V Q M P P L S M
UniRef90_A0A017SKI7 K S E R E F P F V A C S D S P I T D H E F N R Y R Q T M A V E D C K M A T K S M
UniRef90_B9HFD4 D K K E V I S I D G I S N Q D F S E G E C K R L R Q S I K C G L I K R L T V G E E
UniRef90_S3D9A9 K A E K T W P F I T C S D S P F T E A E F R R Y K Q T C L V E G I A L P T K A K
UniRef90_Q8RWR3 N E T S A W Q M A M I S D G H P L E E E Y R Q W I R E V E R T N G R M P T K Q D
UniRef90_G0S9I2 K A Q R D W P F I S C S N N K F T E A E F N R Y K Q V C L A E G V P F P T K D E
UniRef90_U6FT23 K D Q H T F R L M F V S N S E F L P V E F E S W K K Y S N Q A G I K P P T T S F
UniRef90_D6WFR8 N Q E R V F R L E F V S N Q E F T E T E Y H K W I E A S T A A S N P L P T K E H
UniRef90_UPI0002658D26 K E E R I Y R I E Y V S N Q E F T E N E F Q K W M A A M G V D N I G L P T V S F
UniRef90_Q7PV80 S Q E R V F R L E F V S N Q D F S D T E Y Q K W L T V C E A T G T P L P T V D M
UniRef90_M7TFG8 K A E R D W P F L M C S D S P F T E S E F N R Y K A V F Q D E G L I F P K K P A
UniRef90_G2WW38 K A E K E F A F I F C S D K P V T E R E F N R Y V T T L Q V D G M A F P K T Q V
UniRef90_H3EVY9 T E E R V Y R L E F V S N K E F S N Q E F Q E W M S T M R R H N R S L P T M G E
UniRef90_M0S957 N K T E I L S I D S I S N Q D F T E E E C K R L R Q S I K C G L I N R L T V G D
UniRef90_W9CIC1 K S E R S W P F I A C S D S R F T E A E W Q R F R Q N C I A D G I P V P T K P K
UniRef90_H6BTL1 K S E R P W S F L E C S M S K F T D D E W R R Y R T V M A N E D L K L P T K R F
UniRef90_M4FZC5 K A T R D W P F I A C S N S P F T D S E W K R F K S T C M A E G E P L P T E S K
UniRef90_A7RWY6 P Q E R V F R L E F V S N Q R I S E T E F Q R W K E E C E A H G I P L P T
UniRef90_W4ZC42 S Q E R V F R L E F V S N Q D F S E T E F K R W H E D M I N G D Y D L P T T I N D
UniRef90_N1JLS7 T A E R N W P F I T C S D S A F T E G E W S R Y E K A C K A E N V A L P T K A R
UniRef90_E9C4X7 G S H R S Y R L E Y V S N T D F T E S E F Y K W K D D M A F N R I P L P S L D E
UniRef90_R7SKQ9 G S T R R F A M D K I S N G P F E E K E F E R L Q K T C E T E K V K L P M R R Q
UniRef90_R0HWB1 D K T E V V S I D I I S N Q D F T E D E C K R L K Q S I K C G L I N R L T V G D
UniRef90_N1PSF3 A A E K A W P F S A C S D G K F N E A E F T R F R E T L Q K D N I N M P S R R F
UniRef90_A0A059BDF5 N K S E V I S I D I I S N Q D F T E D E C K R L R Q S I K C G L I N R L T V G D
UniRef90_A8NZV7 Q S V R E F S M D R I S N S D F T Q R E F D R L V R V C K A E G V T L P T R K E
UniRef90_A0A022UNP3 K A E K E F P F I A C S E S P F T E A E F N R Y R K T M A V D G L K M P T K S A
UniRef90_UPI0002C2F643 N E N S A W Q M A M V S D S L P L E E E Y D Q W V R E V E K N G G R L P S K E D
UniRef90_K1W938 K A E R N W P F I S C S D Q P F T E A E W N R Y K Q T C L V E G V P L P T K P K
UniRef90_B9H0X1 N K T E L V S I D I I S N Q E F T E D E C K R L R Q S I K C G L I N R L T V G D
UniRef90_S2JKD4 K A E K D F P M D I V S N Q P V T Q Q E F T R Y L T T L E S D R V R A P T I D Q
UniRef90_K9FN74 K A V R D F P F V T F S N S P L T E A E Y R R Y V Q T L T V E D C K L A T K G K
UniRef90_W3X6H9 K A E R E W P F I A C S D S A F T E S E F N R Y K A T L Q H E G L N I P K R P N
UniRef90_T1JZP6 N D V K N F K L D I I S N T P F T Q N E F D E W K Y R M E R D R L E L P T K D F
UniRef90_M3B2W2 S A E K P W P F S A C S D G R F T D A E Y V R F M D T L R K E S I K V P S R R F
UniRef90_M2ZW11 A S E K P W P F S A C S D S K L T E V E F V R F K D T L N K E N M R I P S K R F
UniRef90_B3SAD9 L D E Q N F R M E Y V S N S N F T D N E F L K W K T K M K E L D L N L P S Q D D
UniRef90_S7PWJ8 K A I K E W P M D R T S N S A F L P H E F E R L V K T C E A D K V K L P S K R Q
UniRef90_O94667 R S K R V F D V N V L S N E P F S D H D F Q R W H H Q M M E D K L S M P S K N F
UniRef90_T1H6T4 T Q E R V F R L E F I S N Q E F T E S E Y H K W I E Q C S T Q N V T L P T L D L
UniRef90_K7VHY7 N K K E I I T M D T I S N H D F T E E E C K R L R Q S M K C G V I S R L K V G D
UniRef90_Q2GTN8 K A Q R E W P F I T C S D R D F T E G E W N R Y K Q V C L S E G V P I P T K P E
UniRef90_M2N1J1 A A E K P W P F S A C S D S H F T D Q E Y D R Y I D T L K K D N I R T P L K K H
UniRef90_W1PT11 N K T E A I S I D S I S N Q E F S E E E C K R L R Q S I K C G L L S R L T V G E
UniRef90_UPI00042B0F45 D K K E V V S I D G I S D Q E F S E D E C Q R L H Q S I K C G L I K W F T V G E E
UniRef90_L7JP49 K A V R D W P F I A C S N Q P F T E N E W R R Y K T T C N A E S V D L P M Q S A
UniRef90_U4LP86 K S E R D F P M D L M S D S R F T D S E F N R W K L T L E A D K I S F P S V S H
UniRef90_UPI000440B397 T A V K A F P M D K V S N A V F T A R E F E R L L K T C E G E N V K L P L K R Q
UniRef90_M5VWU0 D K K E V I S I D E I S N Q E F T Q D E C K R L R Q S I R C G L T K R L T V G E
UniRef90_G5EBY0 G S E R P F R M Q F V S N A D F E Q I E F D E W L L A C K R H G N L P T V D I
UniRef90_B8NAR1 K A E R E F P F V A C S D S A I T E A E F N R Y R Q T M A V E D C K M A T K S T
UniRef90_R8BVU4 K A V R D W P F I A C S D R P F T E T E W N R Y Q K T C Q A E N V P L P K K P A
UniRef90_M0S0F7 S D S S A W Q M A M V S D S P P L E D E F N E W K W Q V E N D G G R M P T H Q E
UniRef90_M5W1M8 S E S S A W Q M A M V S D S A P Q E E E F K Q W F K E V E R T A G R M P S K Q E
UniRef90_C0P8E4 S E A N A W Q M T Q V S D S P P N E E E F K D W L Q A A E K N G A R I P T R Q E
UniRef90_A0A022QX89 D K K E V V S I D A I S N Q E F T E D E C R R L R Q S I R C G L V K Q F T V G E E
UniRef90_J4I9V9 V S T K C F H M D K V S N S R F E Q K E F D R L S R T F E H E K L K L P S K R Q
UniRef90_L2G4T0 K A E R P F P F I F L S D R P F T E R E Y N R Y E K V I Q A D G L N M P K K Q T
UniRef90_C3ZQG2 T D E R V F R L E F V S N Q D F T E S E F L R W R E E M M T K G F Q L P F M D E

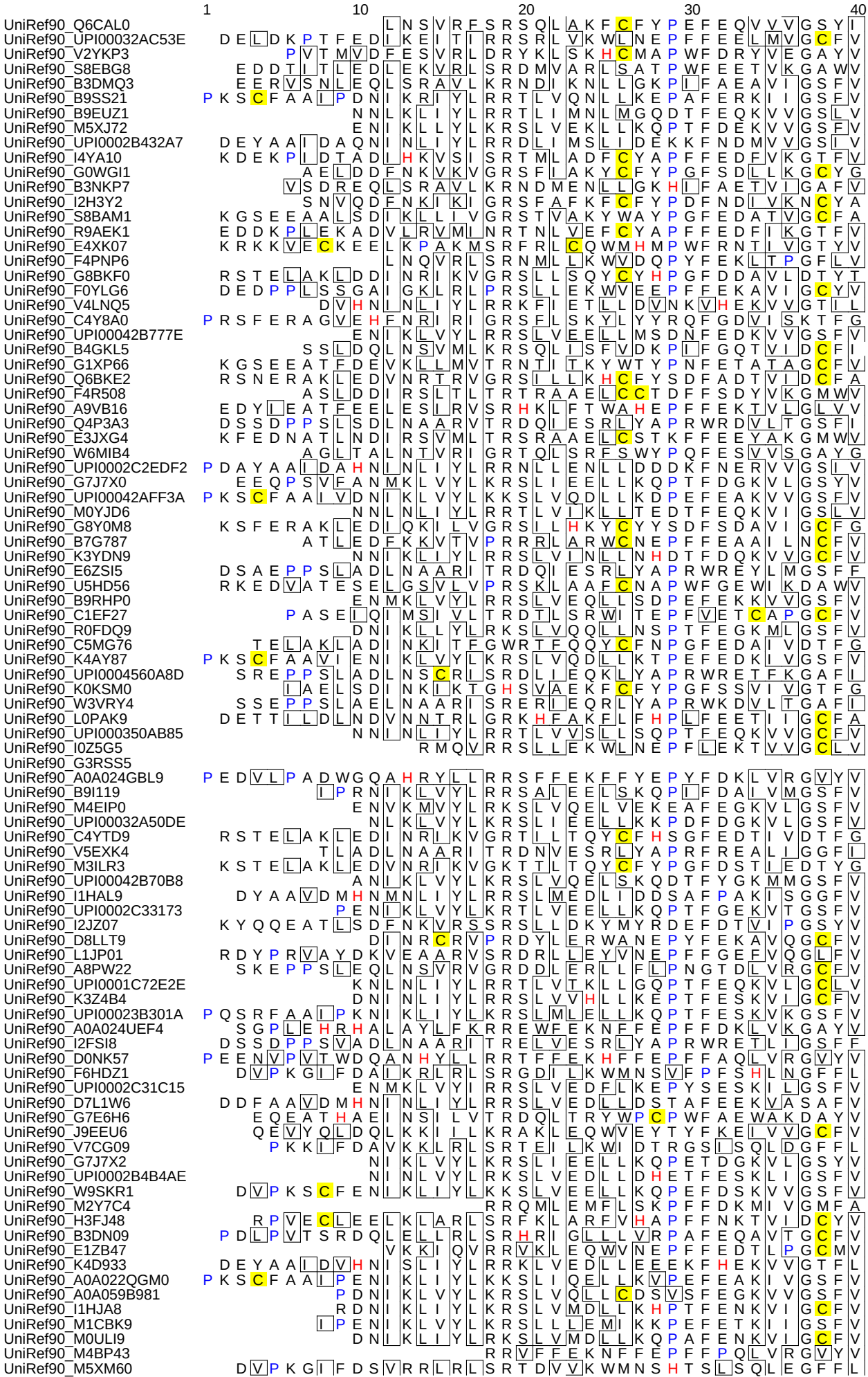
```
                                                
```

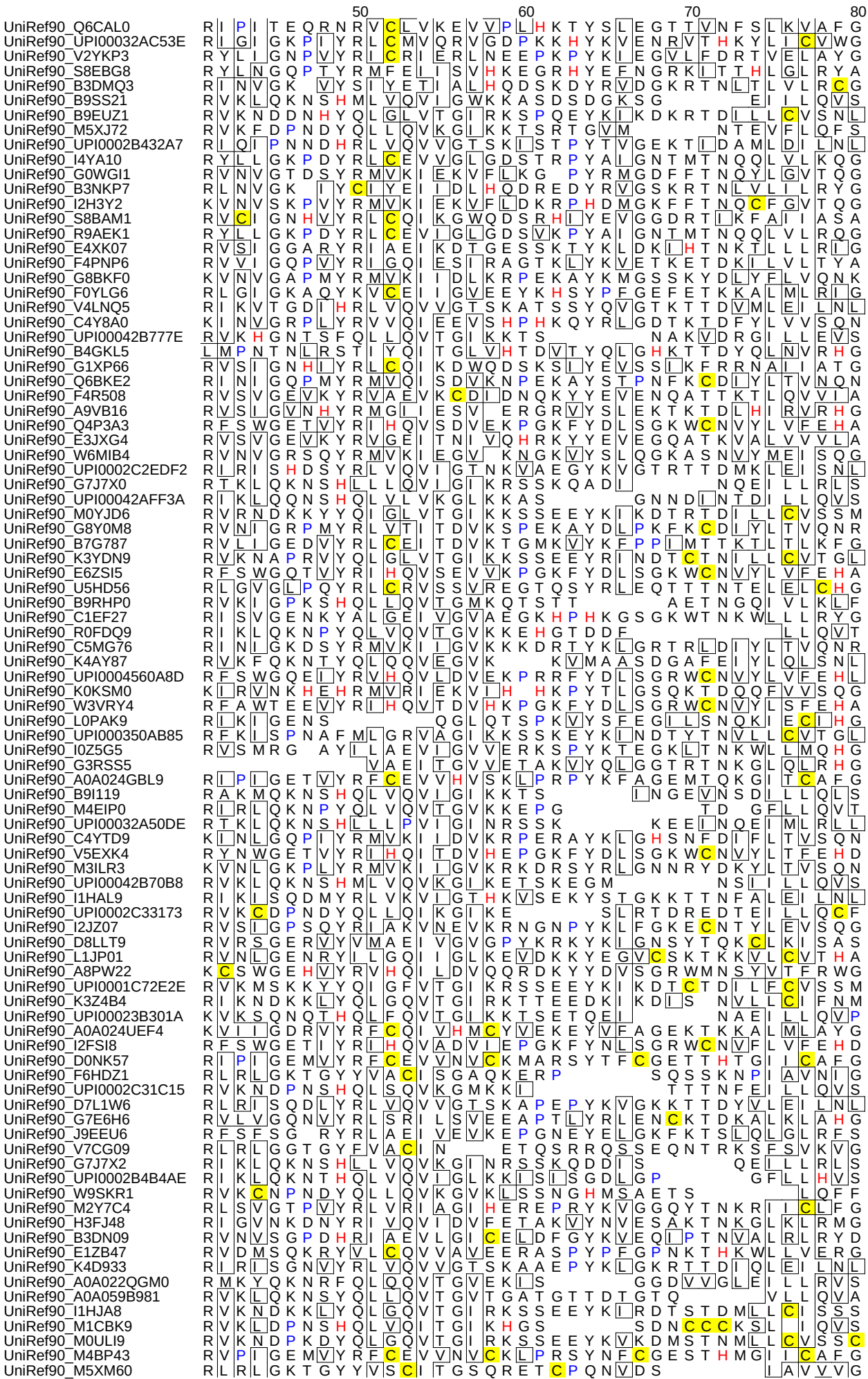

1
10
20
30
40
UniRef90_L8HAK6
UniRef90_J3N419
UniRef90_X8JJT0
UniRef90_K1R2H8
UniRef90_K5VVJ4
UniRef90_B2AE48
UniRef90_S8DTL1
UniRef90_U5CY12
UniRef90_G7KGD4
UniRef90_W9SN42
UniRef90_U6PFN8
UniRef90_A0A022QL36
UniRef90_A0A022RCS1
UniRef90_U1GA08
UniRef90_E5SYD9
UniRef90_F9WW96
UniRef90_J3M2Z4
UniRef90_F7W646
UniRef90_UPI0002C31B2F
UniRef90_K3UVM4
UniRef90_V7CZ06
UniRef90_M0YK48
UniRef90_R1CYS5
UniRef90_UPI0004416CF6
UniRef90_F6I192
UniRef90_E5AEY2
UniRef90_UPI000455D899
UniRef90_J7S8Y7
UniRef90_T5AG43
UniRef90_UPI00046245F4
UniRef90_F0YGR5
UniRef90_Q9V3X3
UniRef90_H2W188
UniRef90_F4PE65
UniRef90_M5GCL1
UniRef90_S8BZB3
UniRef90_K5WDJ4
UniRef90_UPI0002BC8114
UniRef90_I1LWN6
UniRef90_W4JV70
UniRef90_B6K856
UniRef90_B3MWF5
UniRef90_B4MG60
UniRef90_U9T0V8
UniRef90_L8G3M3
UniRef90_G9NW21
UniRef90_R7Z0L0
UniRef90_T1IUI2
UniRef90_Q753P6
UniRef90_V7CYR4
UniRef90_N4VE39
UniRef90_I1CT18
UniRef90_J9FEM1
UniRef90_D8RIQ7
UniRef90_J4W3A7
UniRef90_A0A024J7B2
UniRef90_UPI0002BCAABF
UniRef90_S8D6Q1
UniRef90_A7TPG2
UniRef90_H2B152
UniRef90_UPI000441468E
UniRef90_F8PRV6
UniRef90_B0D4C2
UniRef90_Q00WH0
UniRef90_A9S430
UniRef90_W0TB17
UniRef90_G7J7T1
UniRef90_D5GPG2
UniRef90_D8RDJ2
UniRef90_G0VF31
UniRef90_M7P851
UniRef90_G8ZUC5
UniRef90_B3MVN2
UniRef90_Q54LP1
UniRef90_D8Q7Z7
UniRef90_B4N7L6
UniRef90_A0A059AHF6
UniRef90_W5EXU0
UniRef90_F2U248
UniRef90_G4TFZ9
UniRef90_M7WKN8
UniRef90_W1QGX7
UniRef90_B4JJE4
UniRef90_M2QXN3
UniRef90_J8LP11
UniRef90_A4SAP2
UniRef90_B4GYI6
UniRef90_B4NDV9
UniRef90_B4KJC5
UniRef90_A5DAU7
UniRef90_D4DJI2
UniRef90_G8BP46

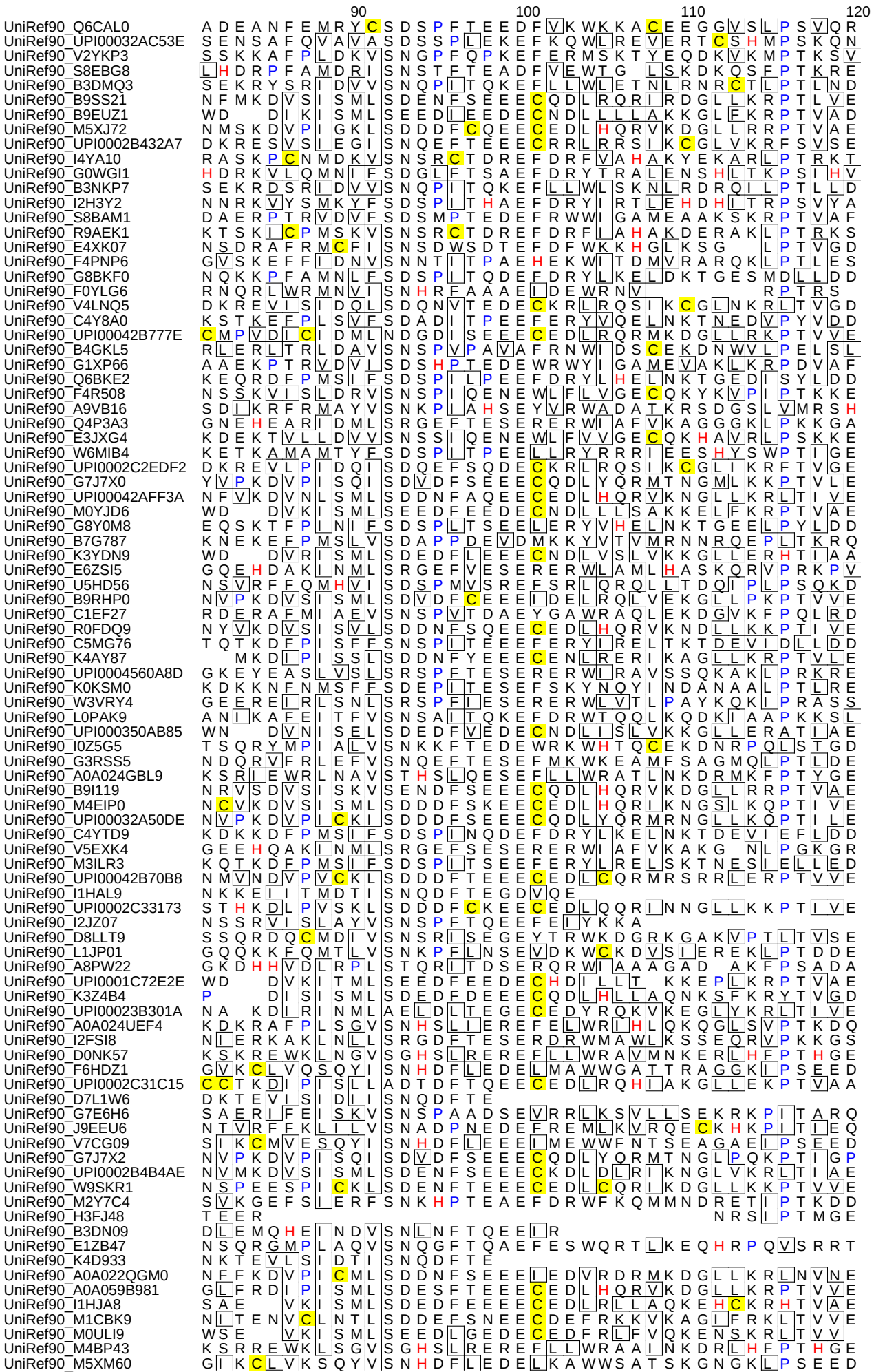

50
60
70
80
UniRef90_L8HAK6
UniRef90_J3N419
UniRef90_X8JJT0
UniRef90_K1R2H8
UniRef90_K5VVJ4
UniRef90_B2AE48
UniRef90_S8DTL1
UniRef90_U5CY12
UniRef90_G7KGD4
UniRef90_W9SN42
UniRef90_U6PFN8
UniRef90_A0A022QL36
UniRef90_A0A022RCS1
UniRef90_U1GA08
UniRef90_E5SYD9
UniRef90_F9WW96
UniRef90_J3M2Z4
UniRef90_F7W646
UniRef90_UPI0002C31B2F
UniRef90_K3UVM4
UniRef90_V7CZ06
UniRef90_M0YK48
UniRef90_R1CYS5
UniRef90_UPI0004416CF6
UniRef90_F6I192
UniRef90_E5AEY2
UniRef90_UPI000455D899
UniRef90_J7S8Y7
UniRef90_T5AG43
UniRef90_UPI00046245F4
UniRef90_F0YGR5
UniRef90_Q9V3X3
UniRef90_H2W188
UniRef90_F4PE65
UniRef90_M5GCL1
UniRef90_S8BZB3
UniRef90_K5WDJ4
UniRef90_UPI0002BC8114
UniRef90_I1LWN6
UniRef90_W4JV70
UniRef90_B6K856
UniRef90_B3MWF5
UniRef90_B4MG60
UniRef90_U9T0V8
UniRef90_L8G3M3
UniRef90_G9NW21
UniRef90_R7Z0L0
UniRef90_T1IUI2
UniRef90_Q753P6
UniRef90_V7CYR4
UniRef90_N4VE39
UniRef90_I1CT18
UniRef90_J9FEM1
UniRef90_D8RIQ7
UniRef90_J4W3A7
UniRef90_A0A024J7B2
UniRef90_UPI0002BCAABF
UniRef90_S8D6Q1
UniRef90_A7TPG2
UniRef90_H2B152
UniRef90_UPI000441468E
UniRef90_F8PRV6
UniRef90_B0D4C2
UniRef90_Q00WH0
UniRef90_A9S430
UniRef90_W0TB17
UniRef90_G7J7T1
UniRef90_D5GPG2
UniRef90_D8RDJ2
UniRef90_G0VF31
UniRef90_M7P851
UniRef90_G8ZUC5
UniRef90_B3MVN2
UniRef90_Q54LP1
UniRef90_D8Q7Z7
UniRef90_B4N7L6
UniRef90_A0A059AHF6
UniRef90_W5EXU0
UniRef90_F2U248
UniRef90_G4TFZ9
UniRef90_M7WKN8
UniRef90_W1QGX7
UniRef90_B4JJE4
UniRef90_M2QXN3
UniRef90_J8LP11
UniRef90_A4SAP2
UniRef90_B4GYI6
UniRef90_B4NDV9
UniRef90_B4KJC5
UniRef90_A5DAU7
UniRef90_D4DJI2
UniRef90_G8BP46

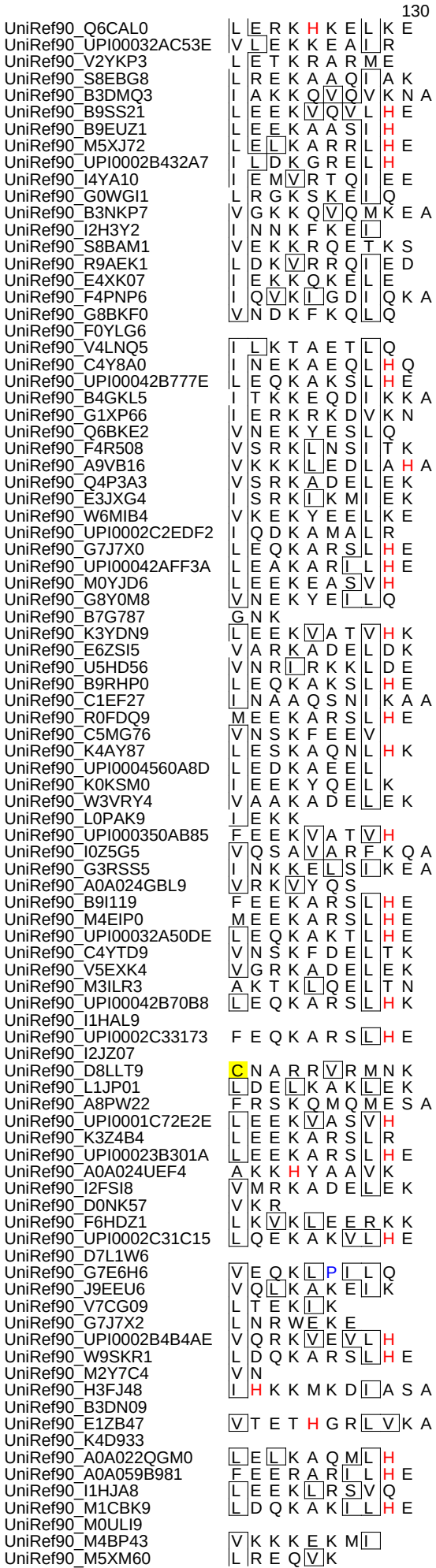

90
100
110
120
UniRef90_L8HAK6
UniRef90_J3N419
UniRef90_X8JJT0
UniRef90_K1R2H8
UniRef90_K5VVJ4
UniRef90_B2AE48
UniRef90_S8DTL1
UniRef90_U5CY12
UniRef90_G7KGD4
UniRef90_W9SN42
UniRef90_U6PFN8
UniRef90_A0A022QL36
UniRef90_A0A022RCS1
UniRef90_U1GA08
UniRef90_E5SYD9
UniRef90_F9WW96
UniRef90_J3M2Z4
UniRef90_F7W646
UniRef90_UPI0002C31B2F
UniRef90_K3UVM4
UniRef90_V7CZ06
UniRef90_M0YK48
UniRef90_R1CYS5
UniRef90_UPI0004416CF6
UniRef90_F6I192
UniRef90_E5AEY2
UniRef90_UPI000455D899
UniRef90_J7S8Y7
UniRef90_T5AG43
UniRef90_UPI00046245F4
UniRef90_F0YGR5
UniRef90_Q9V3X3
UniRef90_H2W188
UniRef90_F4PE65
UniRef90_M5GCL1
UniRef90_S8BZB3
UniRef90_K5WDJ4
UniRef90_UPI0002BC8114
UniRef90_I1LWN6
UniRef90_W4JV70
UniRef90_B6K856
UniRef90_B3MWF5
UniRef90_B4MG60
UniRef90_U9T0V8
UniRef90_L8G3M3
UniRef90_G9NW21
UniRef90_R7Z0L0
UniRef90_T1IUI2
UniRef90_Q753P6
UniRef90_V7CYR4
UniRef90_N4VE39
UniRef90_I1CT18
UniRef90_J9FEM1
UniRef90_D8RIQ7
UniRef90_J4W3A7
UniRef90_A0A024J7B2
UniRef90_UPI0002BCAABF
UniRef90_S8D6Q1
UniRef90_A7TPG2
UniRef90_H2B152
UniRef90_UPI000441468E
UniRef90_F8PRV6
UniRef90_B0D4C2
UniRef90_Q00WH0
UniRef90_A9S430
UniRef90_W0TB17
UniRef90_G7J7T1
UniRef90_D5GPG2
UniRef90_D8RDJ2
UniRef90_G0VF31
UniRef90_M7P851
UniRef90_G8ZUC5
UniRef90_B3MVN2
UniRef90_Q54LP1
UniRef90_D8Q7Z7
UniRef90_B4N7L6
UniRef90_A0A059AHF6
UniRef90_W5EXU0
UniRef90_F2U248
UniRef90_G4TFZ9
UniRef90_M7WKN8
UniRef90_W1QGX7
UniRef90_B4JJE4
UniRef90_M2QXN3
UniRef90_J8LP11
UniRef90_A4SAP2
UniRef90_B4GYI6
UniRef90_B4NDV9
UniRef90_B4KJC5
UniRef90_A5DAU7
UniRef90_D4DJI2
UniRef90_G8BP46

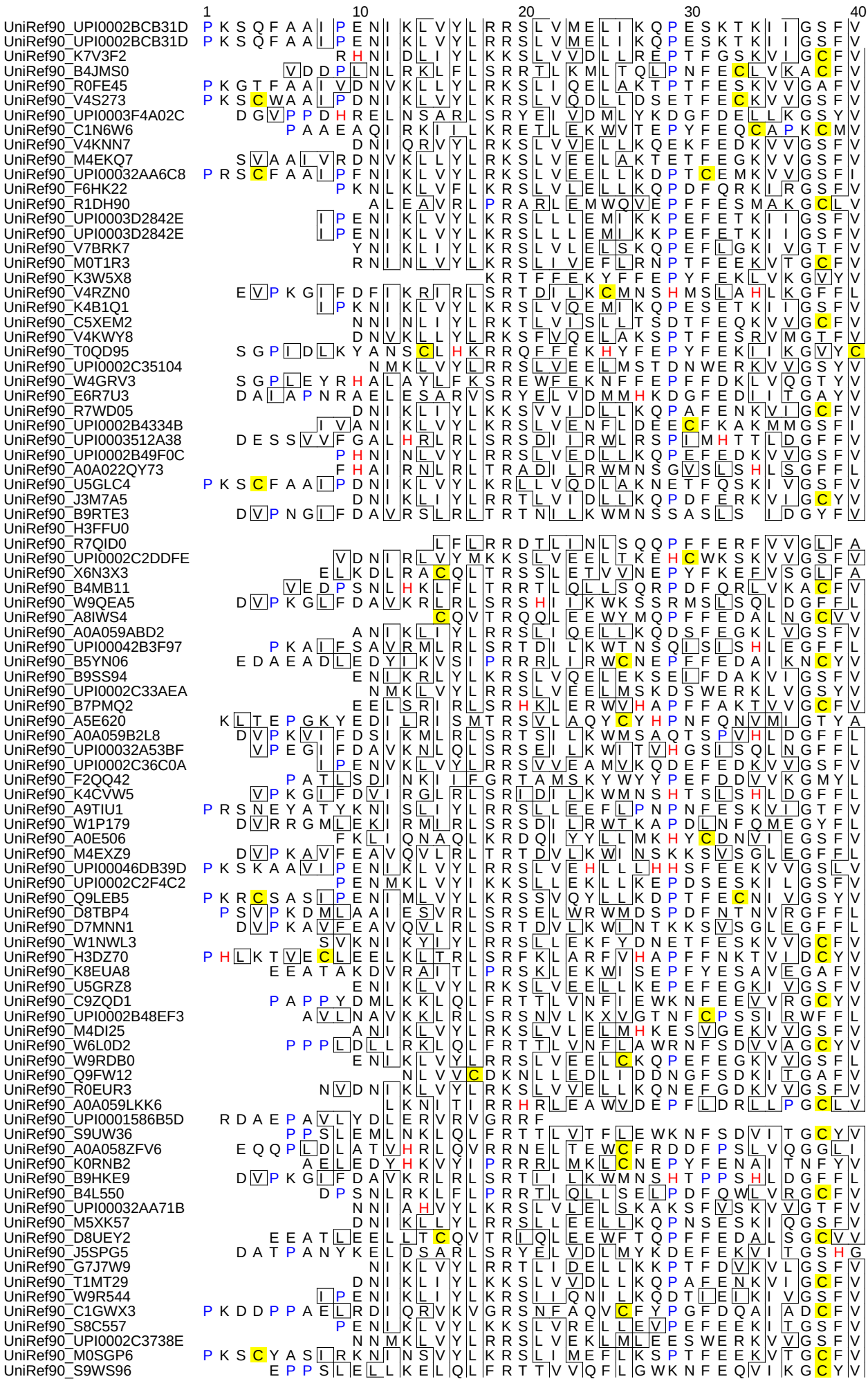
```
                                                
```

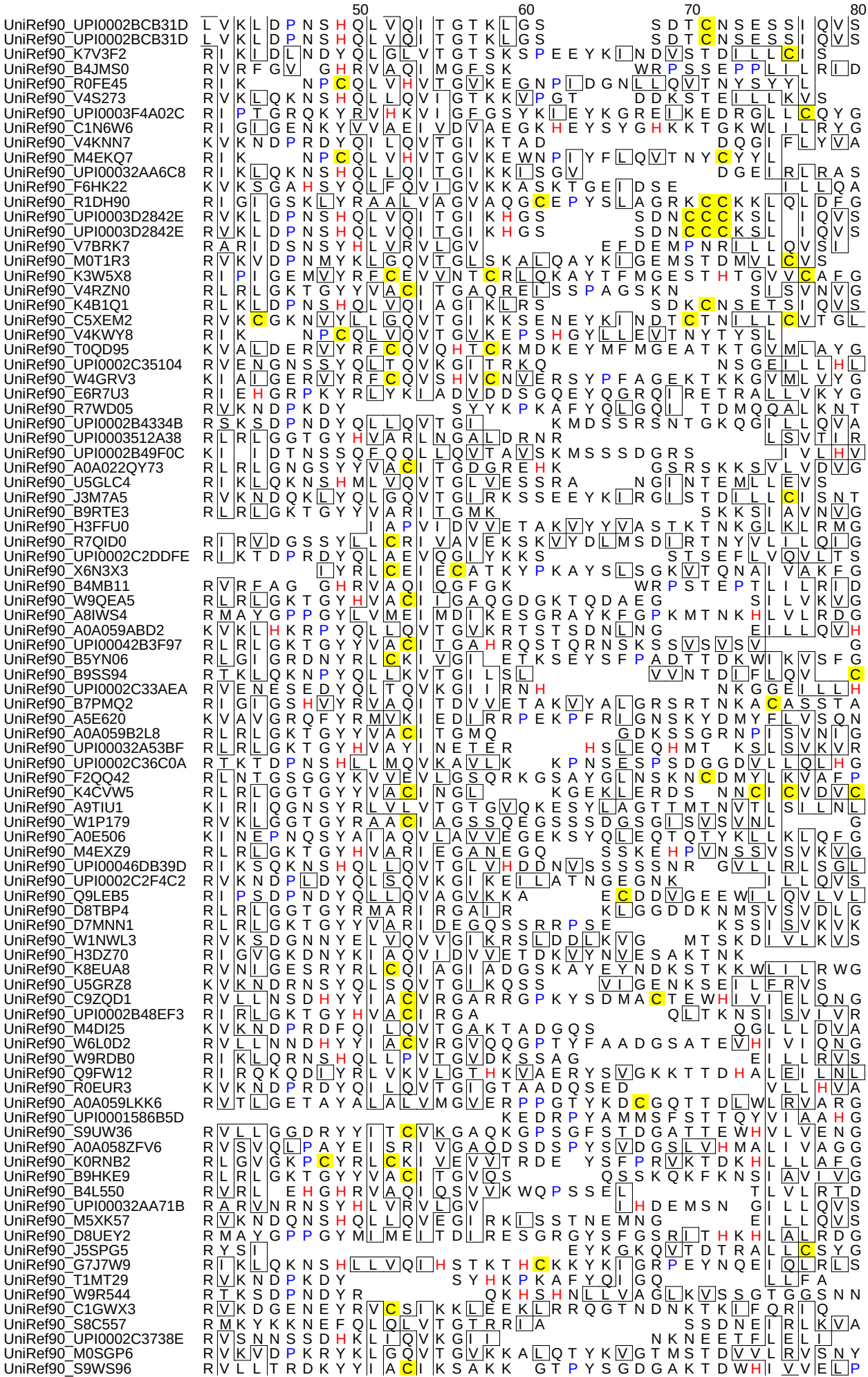

1
10
20
30
40
UniRef90_Q6CAL0
UniRef90_UPI00032AC53E
UniRef90_V2YKP3
UniRef90_S8EBG8
UniRef90_B3DMQ3
UniRef90_B9SS21
UniRef90_B9EUZ1
UniRef90_M5XJ72
UniRef90_UPI0002B432A7
UniRef90_I4YA10
UniRef90_G0WGI1
UniRef90_B3NKP7
UniRef90_I2H3Y2
UniRef90_S8BAM1
UniRef90_R9AEK1
UniRef90_E4XK07
UniRef90_F4PNP6
UniRef90_G8BKF0
UniRef90_F0YLG6
UniRef90_V4LNQ5
UniRef90_C4Y8A0
UniRef90_UPI00042B777E
UniRef90_B4GKL5
UniRef90_G1XP66
UniRef90_Q6BKE2
UniRef90_F4R508
UniRef90_A9VB16
UniRef90_Q4P3A3
UniRef90_E3JXG4
UniRef90_W6MIB4
UniRef90_UPI0002C2EDF2
UniRef90_G7J7X0
UniRef90_UPI00042AFF3A
UniRef90_M0YJD6
UniRef90_G8Y0M8
UniRef90_B7G787
UniRef90_K3YDN9
UniRef90_E6ZSI5
UniRef90_U5HD56
UniRef90_B9RHP0
UniRef90_C1EF27
UniRef90_R0FDQ9
UniRef90_C5MG76
UniRef90_K4AY87
UniRef90_UPI0004560A8D
UniRef90_K0KSM0
UniRef90_W3VRY4
UniRef90_L0PAK9
UniRef90_UPI000350AB85
UniRef90_I0Z5G5
UniRef90_G3RSS5
UniRef90_A0A024GBL9
UniRef90_B9I119
UniRef90_M4EIP0
UniRef90_UPI00032A50DE
UniRef90_C4YTD9
UniRef90_V5EXK4
UniRef90_M3ILR3
UniRef90_UPI00042B70B8
UniRef90_I1HAL9
UniRef90_UPI0002C33173
UniRef90_I2JZ07
UniRef90_D8LLT9
UniRef90_L1JP01
UniRef90_A8PW22
UniRef90_UPI0001C72E2E
UniRef90_K3Z4B4
UniRef90_UPI00023B301A
UniRef90_A0A024UEF4
UniRef90_I2FSI8
UniRef90_D0NK57
UniRef90_F6HDZ1
UniRef90_UPI0002C31C15
UniRef90_D7L1W6
UniRef90_G7E6H6
UniRef90_J9EEU6
UniRef90_V7CG09
UniRef90_G7J7X2
UniRef90_UPI0002B4B4AE
UniRef90_W9SKR1
UniRef90_M2Y7C4
UniRef90_H3FJ48
UniRef90_B3DN09
UniRef90_E1ZB47
UniRef90_K4D933
UniRef90_A0A022QGM0
UniRef90_A0A059B981
UniRef90_I1HJA8
UniRef90_M1CBK9
UniRef90_M0ULI9
UniRef90_M4BP43
UniRef90_M5XM60

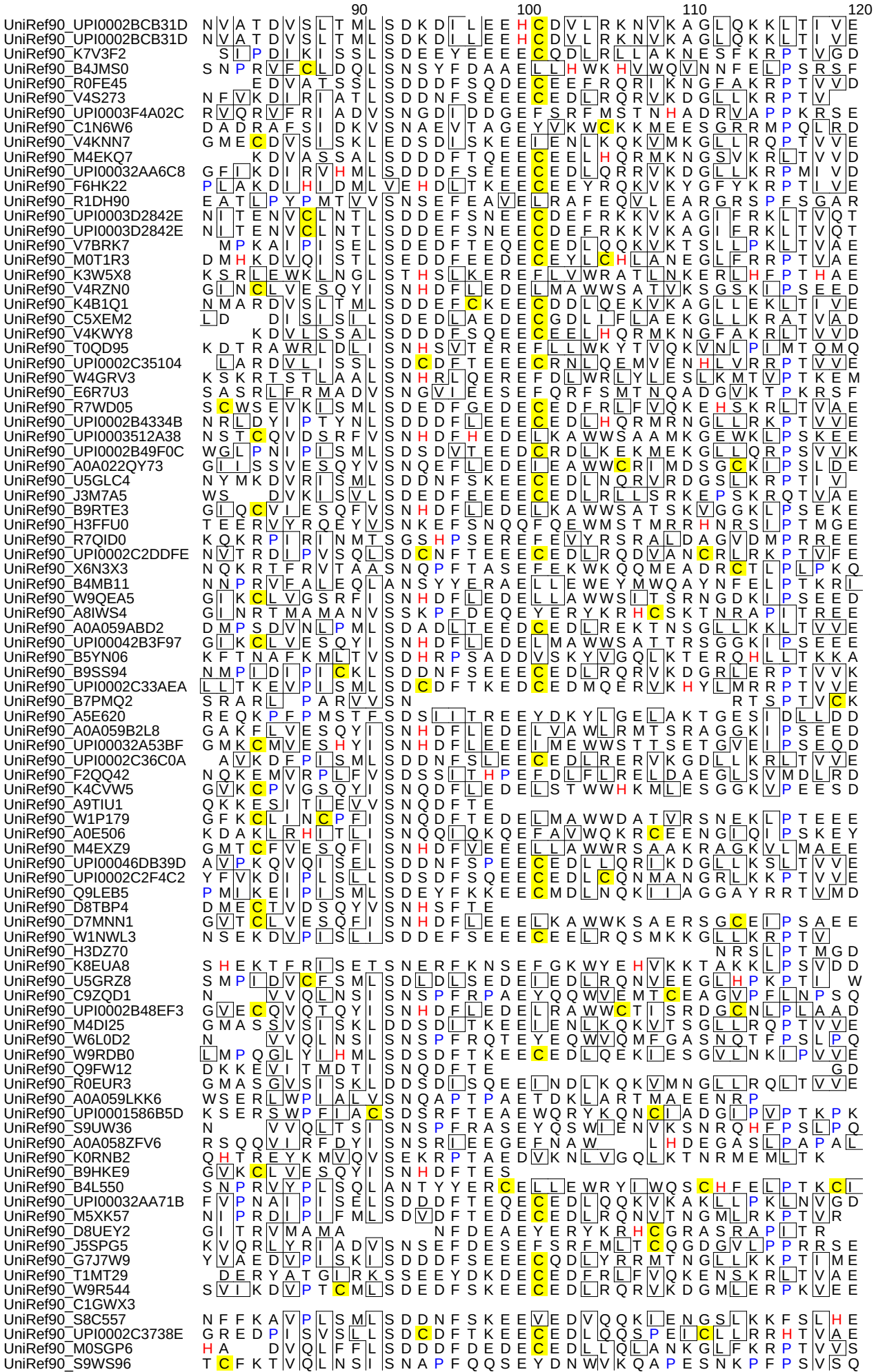

50
60
70
80
UniRef90_Q6CAL0
UniRef90_UPI00032AC53E
UniRef90_V2YKP3
UniRef90_S8EBG8
UniRef90_B3DMQ3
UniRef90_B9SS21
UniRef90_B9EUZ1
UniRef90_M5XJ72
UniRef90_UPI0002B432A7
UniRef90_I4YA10
UniRef90_G0WGI1
UniRef90_B3NKP7
UniRef90_I2H3Y2
UniRef90_S8BAM1
UniRef90_R9AEK1
UniRef90_E4XK07
UniRef90_F4PNP6
UniRef90_G8BKF0
UniRef90_F0YLG6
UniRef90_V4LNQ5
UniRef90_C4Y8A0
UniRef90_UPI00042B777E
UniRef90_B4GKL5
UniRef90_G1XP66
UniRef90_Q6BKE2
UniRef90_F4R508
UniRef90_A9VB16
UniRef90_Q4P3A3
UniRef90_E3JXG4
UniRef90_W6MIB4
UniRef90_UPI0002C2EDF2
UniRef90_G7J7X0
UniRef90_UPI00042AFF3A
UniRef90_M0YJD6
UniRef90_G8Y0M8
UniRef90_B7G787
UniRef90_K3YDN9
UniRef90_E6ZSI5
UniRef90_U5HD56
UniRef90_B9RHP0
UniRef90_C1EF27
UniRef90_R0FDQ9
UniRef90_C5MG76
UniRef90_K4AY87
UniRef90_UPI0004560A8D
UniRef90_K0KSM0
UniRef90_W3VRY4
UniRef90_L0PAK9
UniRef90_UPI000350AB85
UniRef90_I0Z5G5
UniRef90_G3RSS5
UniRef90_A0A024GBL9
UniRef90_B9I119
UniRef90_M4EIP0
UniRef90_UPI00032A50DE
UniRef90_C4YTD9
UniRef90_V5EXK4
UniRef90_M3ILR3
UniRef90_UPI00042B70B8
UniRef90_I1HAL9
UniRef90_UPI0002C33173
UniRef90_I2JZ07
UniRef90_D8LLT9
UniRef90_L1JP01
UniRef90_A8PW22
UniRef90_UPI0001C72E2E
UniRef90_K3Z4B4
UniRef90_UPI00023B301A
UniRef90_A0A024UEF4
UniRef90_I2FSI8
UniRef90_D0NK57
UniRef90_F6HDZ1
UniRef90_UPI0002C31C15
UniRef90_D7L1W6
UniRef90_G7E6H6
UniRef90_J9EEU6
UniRef90_V7CG09
UniRef90_G7J7X2
UniRef90_UPI0002B4B4AE
UniRef90_W9SKR1
UniRef90_M2Y7C4
UniRef90_H3FJ48
UniRef90_B3DN09
UniRef90_E1ZB47
UniRef90_K4D933
UniRef90_A0A022QGM0
UniRef90_A0A059B981
UniRef90_I1HJA8
UniRef90_M1CBK9
UniRef90_M0ULI9
UniRef90_M4BP43
UniRef90_M5XM60

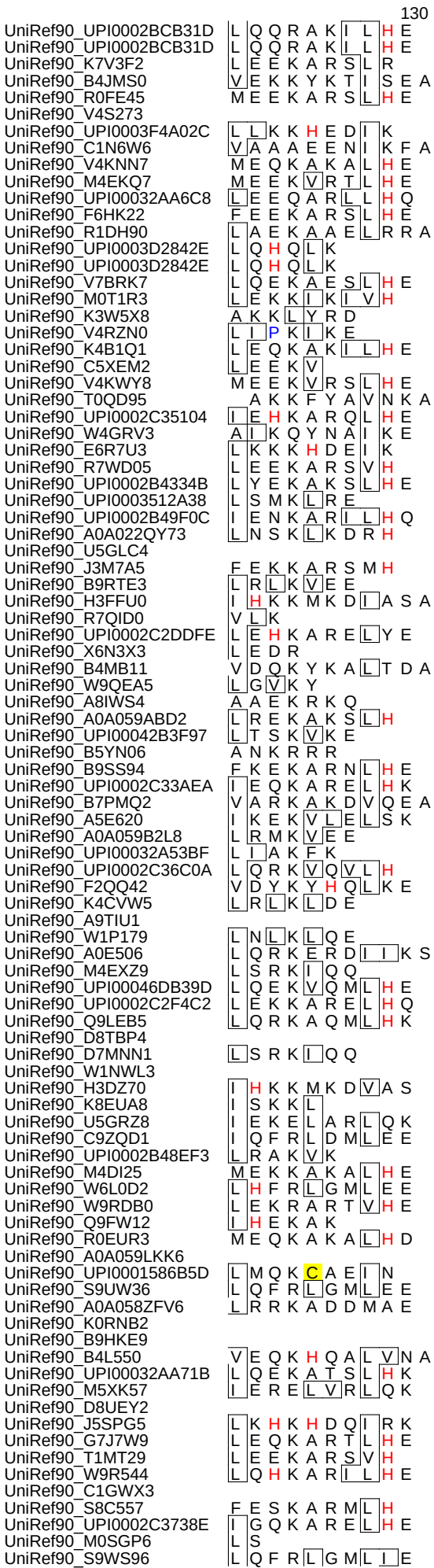

90
100
110
120
UniRef90_Q6CAL0
UniRef90_UPI00032AC53E
UniRef90_V2YKP3
UniRef90_S8EBG8
UniRef90_B3DMQ3
UniRef90_B9SS21
UniRef90_B9EUZ1
UniRef90_M5XJ72
UniRef90_UPI0002B432A7
UniRef90_I4YA10
UniRef90_G0WGI1
UniRef90_B3NKP7
UniRef90_I2H3Y2
UniRef90_S8BAM1
UniRef90_R9AEK1
UniRef90_E4XK07
UniRef90_F4PNP6
UniRef90_G8BKF0
UniRef90_F0YLG6
UniRef90_V4LNQ5
UniRef90_C4Y8A0
UniRef90_UPI00042B777E
UniRef90_B4GKL5
UniRef90_G1XP66
UniRef90_Q6BKE2
UniRef90_F4R508
UniRef90_A9VB16
UniRef90_Q4P3A3
UniRef90_E3JXG4
UniRef90_W6MIB4
UniRef90_UPI0002C2EDF2
UniRef90_G7J7X0
UniRef90_UPI00042AFF3A
UniRef90_M0YJD6
UniRef90_G8Y0M8
UniRef90_B7G787
UniRef90_K3YDN9
UniRef90_E6ZSI5
UniRef90_U5HD56
UniRef90_B9RHP0
UniRef90_C1EF27
UniRef90_R0FDQ9
UniRef90_C5MG76
UniRef90_K4AY87
UniRef90_UPI0004560A8D
UniRef90_K0KSM0
UniRef90_W3VRY4
UniRef90_L0PAK9
UniRef90_UPI000350AB85
UniRef90_I0Z5G5
UniRef90_G3RSS5
UniRef90_A0A024GBL9
UniRef90_B9I119
UniRef90_M4EIP0
UniRef90_UPI00032A50DE
UniRef90_C4YTD9
UniRef90_V5EXK4
UniRef90_M3ILR3
UniRef90_UPI00042B70B8
UniRef90_I1HAL9
UniRef90_UPI0002C33173
UniRef90_I2JZ07
UniRef90_D8LLT9
UniRef90_L1JP01
UniRef90_A8PW22
UniRef90_UPI0001C72E2E
UniRef90_K3Z4B4
UniRef90_UPI00023B301A
UniRef90_A0A024UEF4
UniRef90_I2FSI8
UniRef90_D0NK57
UniRef90_F6HDZ1
UniRef90_UPI0002C31C15
UniRef90_D7L1W6
UniRef90_G7E6H6
UniRef90_J9EEU6
UniRef90_V7CG09
UniRef90_G7J7X2
UniRef90_UPI0002B4B4AE
UniRef90_W9SKR1
UniRef90_M2Y7C4
UniRef90_H3FJ48
UniRef90_B3DN09
UniRef90_E1ZB47
UniRef90_K4D933
UniRef90_A0A022QGM0
UniRef90_A0A059B981
UniRef90_I1HJA8
UniRef90_M1CBK9
UniRef90_M0ULI9
UniRef90_M4BP43
UniRef90_M5XM60

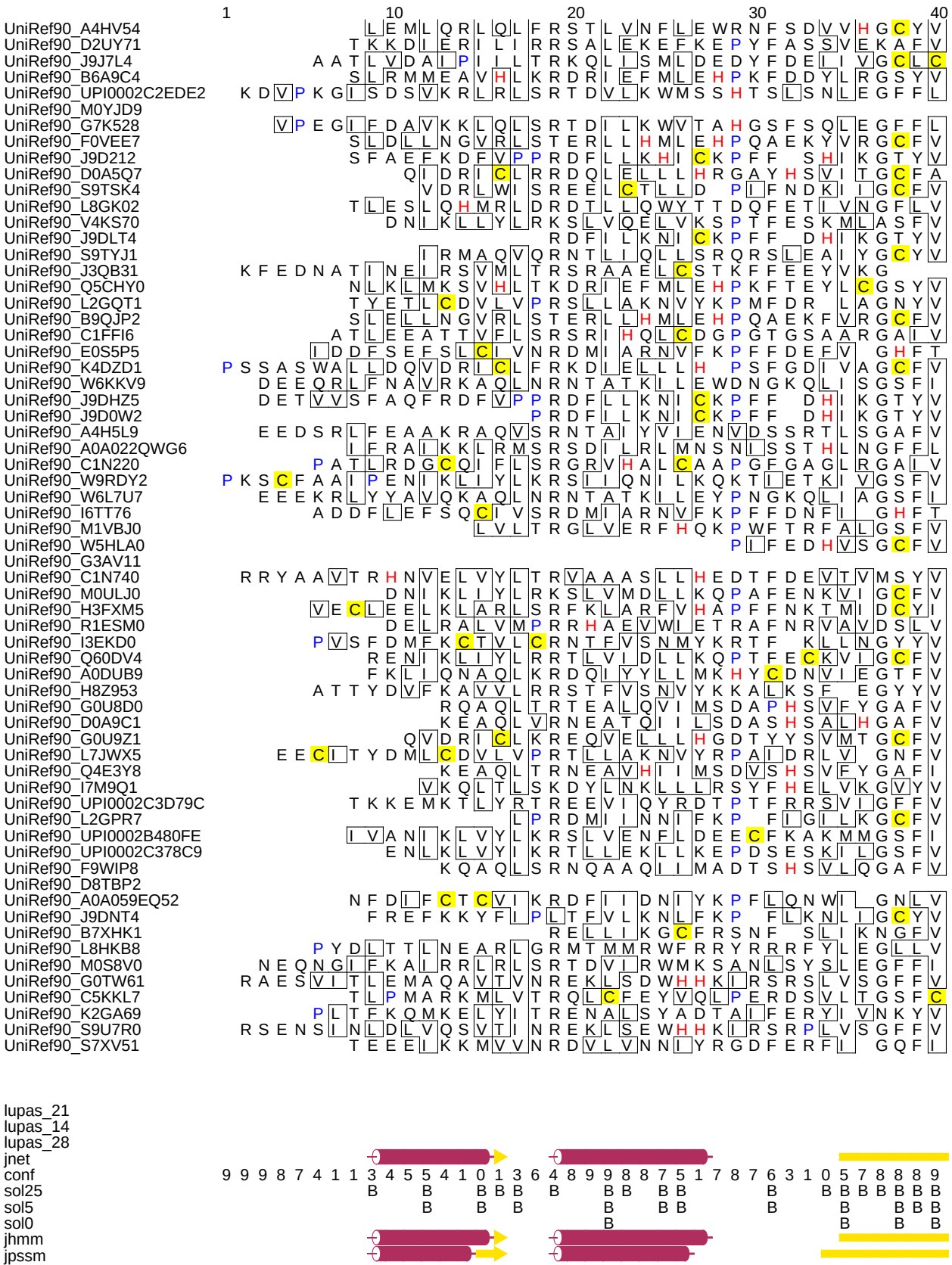

130
UniRef90_Q6CAL0 L E R K H K E L K E
UniRef90_UPI00032AC53E V L E K K E A I R
UniRef90_V2YKP3 L E T K R A R M E
UniRef90_S8EBG8 L R E K A A Q I A K
UniRef90_B3DMQ3 I A K K Q V Q V K N A
UniRef90_B9SS21 L E E K V Q V L H E
UniRef90_B9EUZ1 L E E K A A S I H
UniRef90_M5XJ72 L E L K A R R L H E
UniRef90_UPI0002B432A7 I L D K G R E L H
UniRef90_I4YA10 I E M V R T Q I E E
UniRef90_G0WGI1 L R G K S K E I Q
UniRef90_B3NKP7 V G K K Q V Q M K E A
UniRef90_I2H3Y2 I N N K F K E I
UniRef90_S8BAM1 V E K K R Q E T K S
UniRef90_R9AEK1 L D K V R R Q I E D
UniRef90_E4XK07 I E K K Q K E L E
UniRef90_F4PNP6 I Q V K I G D I Q K A
UniRef90_G8BKF0 V N D K F K Q L Q
UniRef90_F0YLG6
UniRef90_V4LNQ5 I L K T A E T L Q
UniRef90_C4Y8A0 I N E K A E Q L H Q
UniRef90_UPI00042B777E L E Q K A K S L H E
UniRef90_B4GKL5 I T K K E Q D I K K A
UniRef90_G1XP66 I E R K R K D V K N
UniRef90_Q6BKE2 V N E K Y E S L Q
UniRef90_F4R508 V S R K L N S I T K
UniRef90_A9VB16 V K K K L E D L A H A
UniRef90_Q4P3A3 V S R K A D E L E K
UniRef90_E3JXG4 I S R K I K M I E K
UniRef90_W6MIB4 V K E K Y E E L K E
UniRef90_UPI0002C2EDF2 I Q D K A M A L R
UniRef90_G7J7X0 L E Q K A R S L H E
UniRef90_UPI00042AFF3A L E A K A R I L H E
UniRef90_M0YJD6 L E E K E A S V H
UniRef90_G8Y0M8 V N E K Y E I L Q
UniRef90_B7G787 G N K
UniRef90_K3YDN9 L E E K V A T V H K
UniRef90_E6ZSI5 V A R K A D E L D K
UniRef90_U5HD56 V N R I R K K L D E
UniRef90_B9RHP0 L E Q K A K S L H E
UniRef90_C1EF27 I N A A Q S N I K A A
UniRef90_R0FDQ9 M E E K A R S L H E
UniRef90_C5MG76 V N S K F E E V
UniRef90_K4AY87 L E S K A Q N L H K
UniRef90_UPI0004560A8D L E D K A E E L
UniRef90_K0KSM0 I E E K Y Q E L K
UniRef90_W3VRY4 V A A K A D E L E K
UniRef90_L0PAK9 I E K K
UniRef90_UPI000350AB85 F E E K V A T V H
UniRef90_I0Z5G5 V Q S A V A R F K Q A
UniRef90_G3RSS5 I N K K E L S I K E A
UniRef90_A0A024GBL9 V R K V Y Q S
UniRef90_B9I119 F E E K A R S L H E
UniRef90_M4EIP0 M E E K A R S L H E
UniRef90_UPI00032A50DE L E Q K A K T L H E
UniRef90_C4YTD9 V N S K F D E L T K
UniRef90_V5EXK4 V G R K A D E L E K
UniRef90_M3ILR3 A K T K L Q E L T N
UniRef90_UPI00042B70B8 L E Q K A R S L H K
UniRef90_I1HAL9
UniRef90_UPI0002C33173 F E Q K A R S L H E
UniRef90_I2JZ07
UniRef90_D8LLT9 C N A R R V R M N K
UniRef90_L1JP01 L D E L K A K L E K
UniRef90_A8PW22 F R S K Q M Q M E S A
UniRef90_UPI0001C72E2E L E E K V A S V H
UniRef90_K3Z4B4 L E E K A R S L R
UniRef90_UPI00023B301A L E E K A R S L H E
UniRef90_A0A024UEF4 A K K H Y A A V K
UniRef90_I2FSI8 V M R K A D E L E K
UniRef90_D0NK57 V K R
UniRef90_F6HDZ1 L K V K L E E R K K
UniRef90_UPI0002C31C15 L Q E K A K V L H E
UniRef90_D7L1W6
UniRef90_G7E6H6 V E Q K L P I L Q
UniRef90_J9EEU6 V Q L K A K E I K
UniRef90_V7CG09 L T E K I K
UniRef90_G7J7X2 L N R W E K E
UniRef90_UPI0002B4B4AE V Q R K V E V L H
UniRef90_W9SKR1 L D Q K A R S L H E
UniRef90_M2Y7C4 V N
UniRef90_H3FJ48 I H K K M K D I A S A
UniRef90_B3DN09
UniRef90_E1ZB47 V T E T H G R L V K A
UniRef90_K4D933
UniRef90_A0A022QGM0 L E L K A Q M L H
UniRef90_A0A059B981 F E E R A R I L H E
UniRef90_I1HJA8 L E E K L R S V Q
UniRef90_M1CBK9 L D Q K A K I L H E
UniRef90_M0ULI9
UniRef90_M4BP43 V K K K E K M I
UniRef90_M5XM60 L R E Q V K

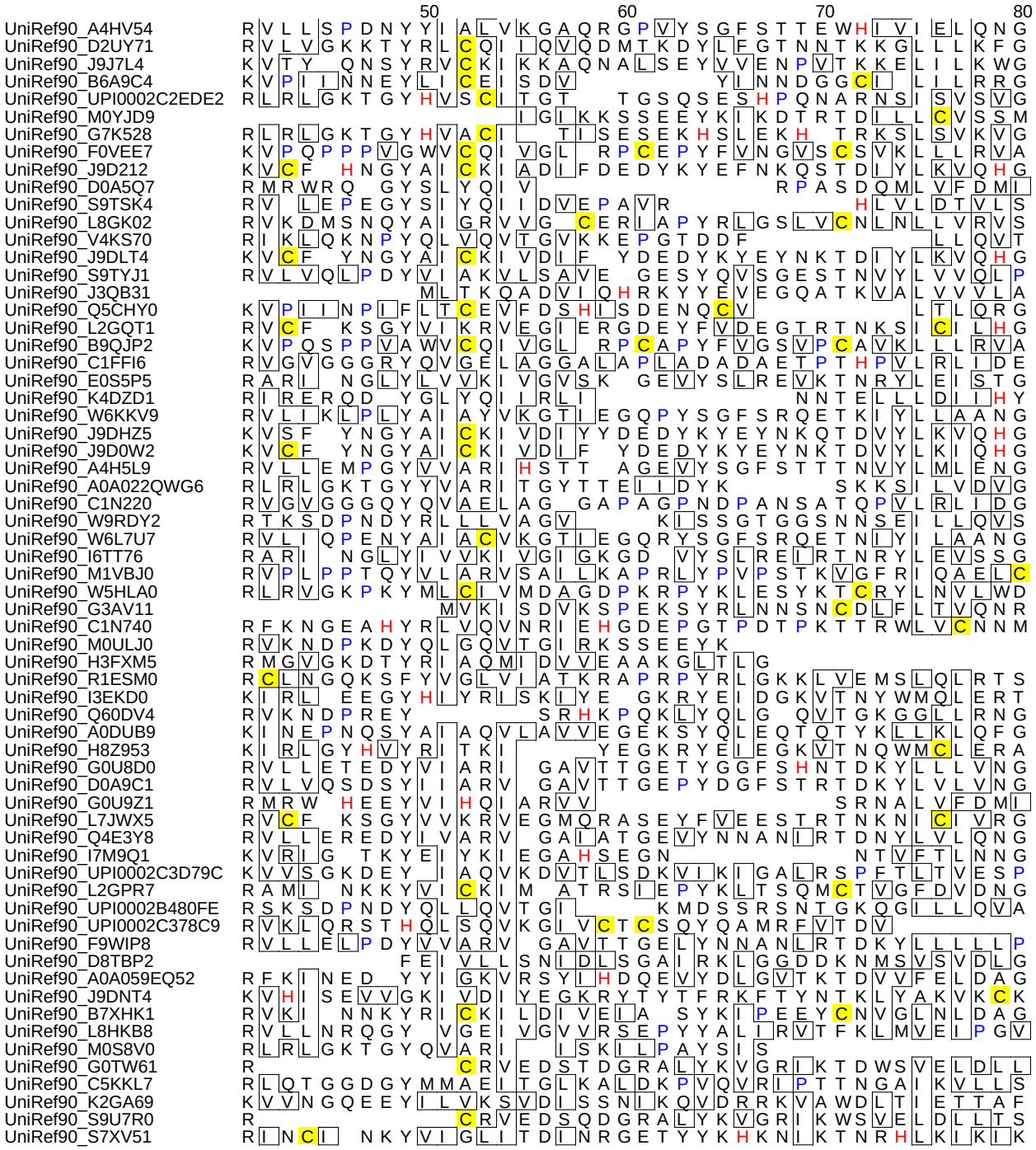

1
10
20
30
40
UniRef90_UPI0002BCB31D
UniRef90_UPI0002BCB31D
UniRef90_K7V3F2
UniRef90_B4JMS0
UniRef90_R0FE45
UniRef90_V4S273
UniRef90_UPI0003F4A02C
UniRef90_C1N6W6
UniRef90_V4KNN7
UniRef90_M4EKQ7
UniRef90_UPI00032AA6C8
UniRef90_F6HK22
UniRef90_R1DH90
UniRef90_UPI0003D2842E
UniRef90_UPI0003D2842E
UniRef90_V7BRK7
UniRef90_M0T1R3
UniRef90_K3W5X8
UniRef90_V4RZN0
UniRef90_K4B1Q1
UniRef90_C5XEM2
UniRef90_V4KWY8
UniRef90_T0QD95
UniRef90_UPI0002C35104
UniRef90_W4GRV3
UniRef90_E6R7U3
UniRef90_R7WD05
UniRef90_UPI0002B4334B
UniRef90_UPI0003512A38
UniRef90_UPI0002B49F0C
UniRef90_A0A022QY73
UniRef90_U5GLC4
UniRef90_J3M7A5
UniRef90_B9RTE3
UniRef90_H3FFU0
UniRef90_R7QID0
UniRef90_UPI0002C2DDFE
UniRef90_X6N3X3
UniRef90_B4MB11
UniRef90_W9QEA5
UniRef90_A8IWS4
UniRef90_A0A059ABD2
UniRef90_UPI00042B3F97
UniRef90_B5YN06
UniRef90_B9SS94
UniRef90_UPI0002C33AEA
UniRef90_B7PMQ2
UniRef90_A5E620
UniRef90_A0A059B2L8
UniRef90_UPI00032A53BF
UniRef90_UPI0002C36C0A
UniRef90_F2QQ42
UniRef90_K4CVW5
UniRef90_A9TIU1
UniRef90_W1P179
UniRef90_A0E506
UniRef90_M4EXZ9
UniRef90_UPI00046DB39D
UniRef90_UPI0002C2F4C2
UniRef90_Q9LEB5
UniRef90_D8TBP4
UniRef90_D7MNN1
UniRef90_W1NWL3
UniRef90_H3DZ70
UniRef90_K8EUA8
UniRef90_U5GRZ8
UniRef90_C9ZQD1
UniRef90_UPI0002B48EF3
UniRef90_M4DI25
UniRef90_W6L0D2
UniRef90_W9RDB0
UniRef90_Q9FW12
UniRef90_R0EUR3
UniRef90_A0A059LKK6
UniRef90_UPI0001586B5D
UniRef90_S9UW36
UniRef90_A0A058ZFV6
UniRef90_K0RNB2
UniRef90_B9HKE9
UniRef90_B4L550
UniRef90_UPI00032AA71B
UniRef90_M5XK57
UniRef90_D8UEY2
UniRef90_J5SPG5
UniRef90_G7J7W9
UniRef90_T1MT29
UniRef90_W9R544
UniRef90_C1GWX3
UniRef90_S8C557
UniRef90_UPI0002C3738E
UniRef90_M0SGP6
UniRef90_S9WS96

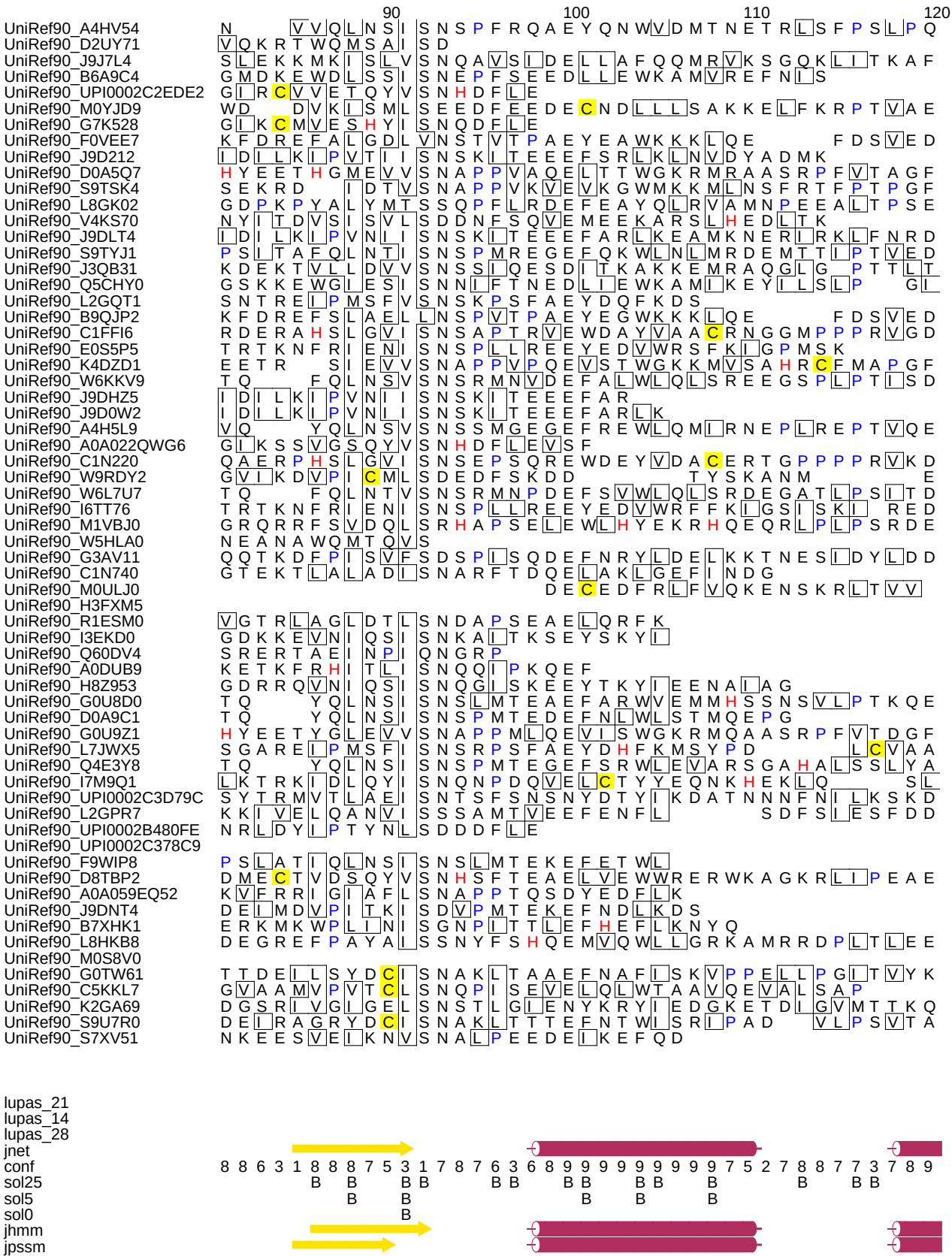

50
60
70
80
UniRef90_UPI0002BCB31D
UniRef90_UPI0002BCB31D
UniRef90_K7V3F2
UniRef90_B4JMS0
UniRef90_R0FE45
UniRef90_V4S273
UniRef90_UPI0003F4A02C
UniRef90_C1N6W6
UniRef90_V4KNN7
UniRef90_M4EKQ7
UniRef90_UPI00032AA6C8
UniRef90_F6HK22
UniRef90_R1DH90
UniRef90_UPI0003D2842E
UniRef90_UPI0003D2842E
UniRef90_V7BRK7
UniRef90_M0T1R3
UniRef90_K3W5X8
UniRef90_V4RZN0
UniRef90_K4B1Q1
UniRef90_C5XEM2
UniRef90_V4KWY8
UniRef90_T0QD95
UniRef90_UPI0002C35104
UniRef90_W4GRV3
UniRef90_E6R7U3
UniRef90_R7WD05
UniRef90_UPI0002B4334B
UniRef90_UPI0003512A38
UniRef90_UPI0002B49F0C
UniRef90_A0A022QY73
UniRef90_U5GLC4
UniRef90_J3M7A5
UniRef90_B9RTE3
UniRef90_H3FFU0
UniRef90_R7QID0
UniRef90_UPI0002C2DDFE
UniRef90_X6N3X3
UniRef90_B4MB11
UniRef90_W9QEA5
UniRef90_A8IWS4
UniRef90_A0A059ABD2
UniRef90_UPI00042B3F97
UniRef90_B5YN06
UniRef90_B9SS94
UniRef90_UPI0002C33AEA
UniRef90_B7PMQ2
UniRef90_A5E620
UniRef90_A0A059B2L8
UniRef90_UPI00032A53BF
UniRef90_UPI0002C36C0A
UniRef90_F2QQ42
UniRef90_K4CVW5
UniRef90_A9TIU1
UniRef90_W1P179
UniRef90_A0E506
UniRef90_M4EXZ9
UniRef90_UPI00046DB39D
UniRef90_UPI0002C2F4C2
UniRef90_Q9LEB5
UniRef90_D8TBP4
UniRef90_D7MNN1
UniRef90_W1NWL3
UniRef90_H3DZ70
UniRef90_K8EUA8
UniRef90_U5GRZ8
UniRef90_C9ZQD1
UniRef90_UPI0002B48EF3
UniRef90_M4DI25
UniRef90_W6L0D2
UniRef90_W9RDB0
UniRef90_Q9FW12
UniRef90_R0EUR3
UniRef90_A0A059LKK6
UniRef90_UPI0001586B5D
UniRef90_S9UW36
UniRef90_A0A058ZFV6
UniRef90_K0RNB2
UniRef90_B9HKE9
UniRef90_B4L550
UniRef90_UPI00032AA71B
UniRef90_M5XK57
UniRef90_D8UEY2
UniRef90_J5SPG5
UniRef90_G7J7W9
UniRef90_T1MT29
UniRef90_W9R544
UniRef90_C1GWX3
UniRef90_S8C557
UniRef90_UPI0002C3738E
UniRef90_M0SGP6
UniRef90_S9WS96


90
100
110
120
UniRef90_UPI0002BCB31D
UniRef90_UPI0002BCB31D
UniRef90_K7V3F2
UniRef90_B4JMS0
UniRef90_R0FE45
UniRef90_V4S273
UniRef90_UPI0003F4A02C
UniRef90_C1N6W6
UniRef90_V4KNN7
UniRef90_M4EKQ7
UniRef90_UPI00032AA6C8
UniRef90_F6HK22
UniRef90_R1DH90
UniRef90_UPI0003D2842E
UniRef90_UPI0003D2842E
UniRef90_V7BRK7
UniRef90_M0T1R3
UniRef90_K3W5X8
UniRef90_V4RZN0
UniRef90_K4B1Q1
UniRef90_C5XEM2
UniRef90_V4KWY8
UniRef90_T0QD95
UniRef90_UPI0002C35104
UniRef90_W4GRV3
UniRef90_E6R7U3
UniRef90_R7WD05
UniRef90_UPI0002B4334B
UniRef90_UPI0003512A38
UniRef90_UPI0002B49F0C
UniRef90_A0A022QY73
UniRef90_U5GLC4
UniRef90_J3M7A5
UniRef90_B9RTE3
UniRef90_H3FFU0
UniRef90_R7QID0
UniRef90_UPI0002C2DDFE
UniRef90_X6N3X3
UniRef90_B4MB11
UniRef90_W9QEA5
UniRef90_A8IWS4
UniRef90_A0A059ABD2
UniRef90_UPI00042B3F97
UniRef90_B5YN06
UniRef90_B9SS94
UniRef90_UPI0002C33AEA
UniRef90_B7PMQ2
UniRef90_A5E620
UniRef90_A0A059B2L8
UniRef90_UPI00032A53BF
UniRef90_UPI0002C36C0A
UniRef90_F2QQ42
UniRef90_K4CVW5
UniRef90_A9TIU1
UniRef90_W1P179
UniRef90_A0E506
UniRef90_M4EXZ9
UniRef90_UPI00046DB39D
UniRef90_UPI0002C2F4C2
UniRef90_Q9LEB5
UniRef90_D8TBP4
UniRef90_D7MNN1
UniRef90_W1NWL3
UniRef90_H3DZ70
UniRef90_K8EUA8
UniRef90_U5GRZ8
UniRef90_C9ZQD1
UniRef90_UPI0002B48EF3
UniRef90_M4DI25
UniRef90_W6L0D2
UniRef90_W9RDB0
UniRef90_Q9FW12
UniRef90_R0EUR3
UniRef90_A0A059LKK6
UniRef90_UPI0001586B5D
UniRef90_S9UW36
UniRef90_A0A058ZFV6
UniRef90_K0RNB2
UniRef90_B9HKE9
UniRef90_B4L550
UniRef90_UPI00032AA71B
UniRef90_M5XK57
UniRef90_D8UEY2
UniRef90_J5SPG5
UniRef90_G7J7W9
UniRef90_T1MT29
UniRef90_W9R544
UniRef90_C1GWX3
UniRef90_S8C557
UniRef90_UPI0002C3738E
UniRef90_M0SGP6
UniRef90_S9WS96


130
UniRef90_UPI0002BCB31D L Q Q R A K I L H E
UniRef90_UPI0002BCB31D L Q Q R A K I L H E
UniRef90_K7V3F2 L E E K A R S L R
UniRef90_B4JMS0 V E K K Y K T I S E A
UniRef90_R0FE45 M E E K A R S L H E
UniRef90_V4S273
UniRef90_UPI0003F4A02C L L K K H E D I K
UniRef90_C1N6W6 V A A A E E N I K F A
UniRef90_V4KNN7 M E Q K A K A L H E
UniRef90_M4EKQ7 M E E K V R T L H E
UniRef90_UPI00032AA6C8 L E E Q A R L L H Q
UniRef90_F6HK22 F E E K A R S L H E
UniRef90_R1DH90 L A E K A A E L R R A
UniRef90_UPI0003D2842E L Q H Q L K
UniRef90_UPI0003D2842E L Q H Q L K
UniRef90_V7BRK7 L Q E K A E S L H E
UniRef90_M0T1R3 L E K K I K I V H
UniRef90_K3W5X8 A K K L Y R D
UniRef90_V4RZN0 L I P K I K E
UniRef90_K4B1Q1 L E Q K A K I L H E
UniRef90_C5XEM2 L E E K V
UniRef90_V4KWY8 M E E K V R S L H E
UniRef90_T0QD95 A K K F Y A V N K A
UniRef90_UPI0002C35104 I E H K A R Q L H E
UniRef90_W4GRV3 A I K Q Y N A I K E
UniRef90_E6R7U3 L K K K H D E I K
UniRef90_R7WD05 L E E K A R S V H
UniRef90_UPI0002B4334B L Y E K A K S L H E
UniRef90_UPI0003512A38 L S M K L R E
UniRef90_UPI0002B49F0C I E N K A R I L H Q
UniRef90_A0A022QY73 L N S K L K D R H
UniRef90_U5GLC4
UniRef90_J3M7A5 F E K K A R S M H
UniRef90_B9RTE3 L R L K V E E
UniRef90_H3FFU0 I H K K M K D I A S A
UniRef90_R7QID0 V L K
UniRef90_UPI0002C2DDFE L E H K A R E L Y E
UniRef90_X6N3X3 L E D R
UniRef90_B4MB11 V D Q K Y K A L T D A
UniRef90_W9QEA5 L G V K Y
UniRef90_A8IWS4 A A E K R K Q
UniRef90_A0A059ABD2 L R E K A K S L H
UniRef90_UPI00042B3F97 L T S K V K E
UniRef90_B5YN06 A N K R R R
UniRef90_B9SS94 F K E K A R N L H E
UniRef90_UPI0002C33AEA I E Q K A R E L H K
UniRef90_B7PMQ2 V A R K A K D V Q E A
UniRef90_A5E620 I K E K V L E L S K
UniRef90_A0A059B2L8 L R M K V E E
UniRef90_UPI00032A53BF L I A K F K
UniRef90_UPI0002C36C0A L Q R K V Q V L H
UniRef90_F2QQ42 V D Y K Y H Q L K E
UniRef90_K4CVW5 L R L K L D E
UniRef90_A9TIU1
UniRef90_W1P179 L N L K L Q E
UniRef90_A0E506 L Q R K E R D I I K S
UniRef90_M4EXZ9 L S R K I Q Q
UniRef90_UPI00046DB39D L Q E K V Q M L H E
UniRef90_UPI0002C2F4C2 L E K K A R E L H Q
UniRef90_Q9LEB5 L Q R K A Q M L H K
UniRef90_D8TBP4
UniRef90_D7MNN1 L S R K I Q Q
UniRef90_W1NWL3
UniRef90_H3DZ70 I H K K M K D V A S
UniRef90_K8EUA8 I S K K L
UniRef90_U5GRZ8 I E K E L A R L Q K
UniRef90_C9ZQD1 I Q F R L D M L E E
UniRef90_UPI0002B48EF3 L R A K V K
UniRef90_M4DI25 M E K K A K A L H E
UniRef90_W6L0D2 L H F R L G M L E E
UniRef90_W9RDB0 L E K R A R T V H E
UniRef90_Q9FW12 I H E K A K
UniRef90_R0EUR3 M E Q K A K A L H D
UniRef90_A0A059LKK6
UniRef90_UPI0001586B5D L M Q K C A E I N
UniRef90_S9UW36 L Q F R L G M L E E
UniRef90_A0A058ZFV6 L R R K A D D M A E
UniRef90_K0RNB2
UniRef90_B9HKE9
UniRef90_B4L550 V E Q K H Q A L V N A
UniRef90_UPI00032AA71B L Q E K A T S L H K
UniRef90_M5XK57 I E R E L V R L Q K
UniRef90_D8UEY2
UniRef90_J5SPG5 L K H K H D Q I R K
UniRef90_G7J7W9 L E Q K A R T L H E
UniRef90_T1MT29 L E E K A R S V H
UniRef90_W9R544 L Q H K A R I L H E
UniRef90_C1GWX3
UniRef90_S8C557 F E S K A R M L H
UniRef90_UPI0002C3738E I G Q K A R E L H E
UniRef90_M0SGP6 L S
UniRef90_S9WS96 L Q F R L G M L I E


1
10
20
30
40
UniRef90_A4HV54
UniRef90_D2UY71
UniRef90_J9J7L4
UniRef90_B6A9C4
UniRef90_UPI0002C2EDE2
UniRef90_M0YJD9
UniRef90_G7K528
UniRef90_F0VEE7
UniRef90_J9D212
UniRef90_D0A5Q7
UniRef90_S9TSK4
UniRef90_L8GK02
UniRef90_V4KS70
UniRef90_J9DLT4
UniRef90_S9TYJ1
UniRef90_J3QB31
UniRef90_Q5CHY0
UniRef90_L2GQT1
UniRef90_B9QJP2
UniRef90_C1FFI6
UniRef90_E0S5P5
UniRef90_K4DZD1
UniRef90_W6KKV9
UniRef90_J9DHZ5
UniRef90_J9D0W2
UniRef90_A4H5L9
UniRef90_A0A022QWG6
UniRef90_C1N220
UniRef90_W9RDY2
UniRef90_W6L7U7
UniRef90_I6TT76
UniRef90_M1VBJ0
UniRef90_W5HLA0
UniRef90_G3AV11
UniRef90_C1N740
UniRef90_M0ULJ0
UniRef90_H3FXM5
UniRef90_R1ESM0
UniRef90_I3EKD0
UniRef90_Q60DV4
UniRef90_A0DUB9
UniRef90_H8Z953
UniRef90_G0U8D0
UniRef90_D0A9C1
UniRef90_G0U9Z1
UniRef90_L7JWX5
UniRef90_Q4E3Y8
UniRef90_I7M9Q1
UniRef90_UPI0002C3D79C
UniRef90_L2GPR7
UniRef90_UPI0002B480FE
UniRef90_UPI0002C378C9
UniRef90_F9WIP8
UniRef90_D8TBP2
UniRef90_A0A059EQ52
UniRef90_J9DNT4
UniRef90_B7XHK1
UniRef90_L8HKB8
UniRef90_M0S8V0
UniRef90_G0TW61
UniRef90_C5KKL7
UniRef90_K2GA69
UniRef90_S9U7R0
UniRef90_S7XV51
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


50
60
70
80
UniRef90_A4HV54
UniRef90_D2UY71
UniRef90_J9J7L4
UniRef90_B6A9C4
UniRef90_UPI0002C2EDE2
UniRef90_M0YJD9
UniRef90_G7K528
UniRef90_F0VEE7
UniRef90_J9D212
UniRef90_D0A5Q7
UniRef90_S9TSK4
UniRef90_L8GK02
UniRef90_V4KS70
UniRef90_J9DLT4
UniRef90_S9TYJ1
UniRef90_J3QB31
UniRef90_Q5CHY0
UniRef90_L2GQT1
UniRef90_B9QJP2
UniRef90_C1FFI6
UniRef90_E0S5P5
UniRef90_K4DZD1
UniRef90_W6KKV9
UniRef90_J9DHZ5
UniRef90_J9D0W2
UniRef90_A4H5L9
UniRef90_A0A022QWG6
UniRef90_C1N220
UniRef90_W9RDY2
UniRef90_W6L7U7
UniRef90_I6TT76
UniRef90_M1VBJ0
UniRef90_W5HLA0
UniRef90_G3AV11
UniRef90_C1N740
UniRef90_M0ULJ0
UniRef90_H3FXM5
UniRef90_R1ESM0
UniRef90_I3EKD0
UniRef90_Q60DV4
UniRef90_A0DUB9
UniRef90_H8Z953
UniRef90_G0U8D0
UniRef90_D0A9C1
UniRef90_G0U9Z1
UniRef90_L7JWX5
UniRef90_Q4E3Y8
UniRef90_I7M9Q1
UniRef90_UPI0002C3D79C
UniRef90_L2GPR7
UniRef90_UPI0002B480FE
UniRef90_UPI0002C378C9
UniRef90_F9WIP8
UniRef90_D8TBP2
UniRef90_A0A059EQ52
UniRef90_J9DNT4
UniRef90_B7XHK1
UniRef90_L8HKB8
UniRef90_M0S8V0
UniRef90_G0TW61
UniRef90_C5KKL7
UniRef90_K2GA69
UniRef90_S9U7R0
UniRef90_S7XV51
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


90
100
110
120
UniRef90_A4HV54
UniRef90_D2UY71
UniRef90_J9J7L4
UniRef90_B6A9C4
UniRef90_UPI0002C2EDE2
UniRef90_M0YJD9
UniRef90_G7K528
UniRef90_F0VEE7
UniRef90_J9D212
UniRef90_D0A5Q7
UniRef90_S9TSK4
UniRef90_L8GK02
UniRef90_V4KS70
UniRef90_J9DLT4
UniRef90_S9TYJ1
UniRef90_J3QB31
UniRef90_Q5CHY0
UniRef90_L2GQT1
UniRef90_B9QJP2
UniRef90_C1FFI6
UniRef90_E0S5P5
UniRef90_K4DZD1
UniRef90_W6KKV9
UniRef90_J9DHZ5
UniRef90_J9D0W2
UniRef90_A4H5L9
UniRef90_A0A022QWG6
UniRef90_C1N220
UniRef90_W9RDY2
UniRef90_W6L7U7
UniRef90_I6TT76
UniRef90_M1VBJ0
UniRef90_W5HLA0
UniRef90_G3AV11
UniRef90_C1N740
UniRef90_M0ULJ0
UniRef90_H3FXM5
UniRef90_R1ESM0
UniRef90_I3EKD0
UniRef90_Q60DV4
UniRef90_A0DUB9
UniRef90_H8Z953
UniRef90_G0U8D0
UniRef90_D0A9C1
UniRef90_G0U9Z1
UniRef90_L7JWX5
UniRef90_Q4E3Y8
UniRef90_I7M9Q1
UniRef90_UPI0002C3D79C
UniRef90_L2GPR7
UniRef90_UPI0002B480FE
UniRef90_UPI0002C378C9
UniRef90_F9WIP8
UniRef90_D8TBP2
UniRef90_A0A059EQ52
UniRef90_J9DNT4
UniRef90_B7XHK1
UniRef90_L8HKB8
UniRef90_M0S8V0
UniRef90_G0TW61
UniRef90_C5KKL7
UniRef90_K2GA69
UniRef90_S9U7R0
UniRef90_S7XV51
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm

	130
UniRef90_A4HV54	L Q F R L G M L E E
UniRef90_D2UY71	
UniRef90_J9J7L4	C E A K T R Q M N
UniRef90_B6A9C4	
UniRef90_UPI0002C2EDE2	
UniRef90_M0YJD9	L E E K E A S V H
UniRef90_G7K528	
UniRef90_F0VEE7	L S K K L R A
UniRef90_J9D212	
UniRef90_D0A5Q7	I E A K V G D V N S A
UniRef90_S9TSK4	I E A K H S D L K
UniRef90_L8GK02	L Q Q K L R
UniRef90_V4KS70	
UniRef90_J9DLT4	V T K E E M K I Y E
UniRef90_S9TYJ1	L
UniRef90_J3QB31	V S E R L R
UniRef90_Q5CHY0	L Q K K A R D L N N
UniRef90_L2GQT1	
UniRef90_B9QJP2	L S K K L R A
UniRef90_C1FFI6	V N A V R A A L
UniRef90_E0S5P5	
UniRef90_K4DZD1	I E D K L G D I D S A
UniRef90_W6KKV9	L N V T A E R I R
UniRef90_J9DHZ5	
UniRef90_J9D0W2	
UniRef90_A4H5L9	L S E V T A R L H
UniRef90_A0A022QWG6	
UniRef90_C1N220	V A T V R R A I E R A
UniRef90_W9RDY2	I S K K L Q
UniRef90_W6L7U7	L N V T A E R L R
UniRef90_I6TT76	Y E K L A K N M N
UniRef90_M1VBJ0	V E
UniRef90_W5HLA0	
UniRef90_G3AV11	V N D K F E Q L Q Q
UniRef90_C1N740	
UniRef90_M0ULJ0	
UniRef90_H3FXM5	
UniRef90_R1ESM0	
UniRef90_I3EKD0	
UniRef90_Q60DV4	
UniRef90_A0DUB9	
UniRef90_H8Z953	
UniRef90_G0U8D0	L H D I G N Q L H
UniRef90_D0A9C1	
UniRef90_G0U9Z1	I E A K L G D V D S A
UniRef90_L7JWX5	L V K K A H A F K N A
UniRef90_Q4E3Y8	L E
UniRef90_I7M9Q1	V D K K K Q
UniRef90_UPI0002C3D79C	A R V Q A R I L Q
UniRef90_L2GPR7	L K K K Y K K V Q
UniRef90_UPI0002B480FE	
UniRef90_UPI0002C378C9	
UniRef90_F9WIP8	
UniRef90_D8TBP2	L Q A K L A Q R H N
UniRef90_A0A059EQ52	
UniRef90_J9DNT4	
UniRef90_B7XHK1	
UniRef90_L8HKB8	I A A K K R V I A K A
UniRef90_M0S8V0	
UniRef90_G0TW61	M E E R L R M I E
UniRef90_C5KKL7	K K I K E L Q E
UniRef90_K2GA69	A R E E I K K I E
UniRef90_S9U7R0	M V Y K M E E
UniRef90_S7XV51	
lupas_21	
lupas_14	
lupas_28	
jnet	
conf	9 9 9 9 9 9 8 7 2 8 9
sol25	B B B B
sol5	B
sol0	B
jhmm	
jpssm	