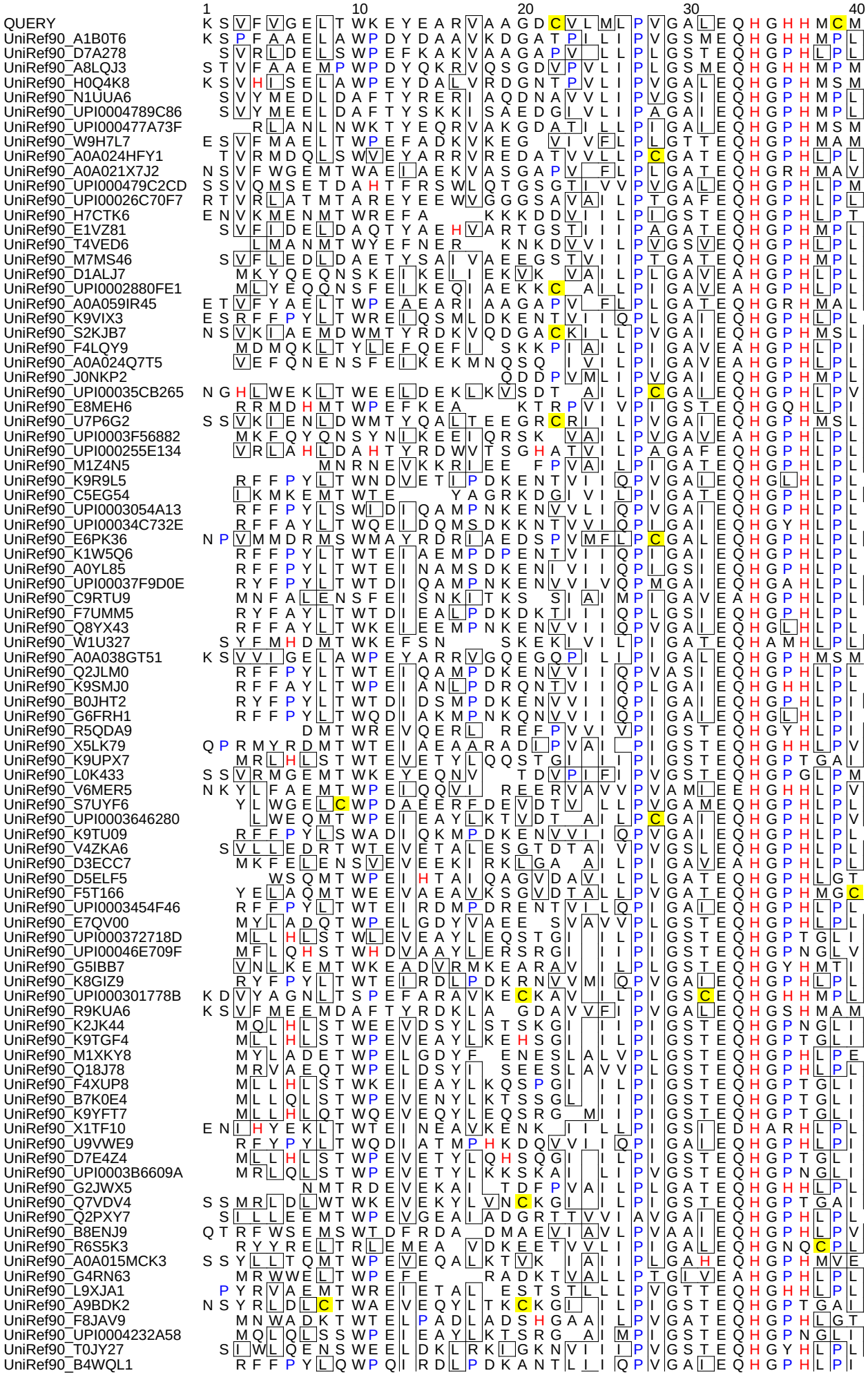
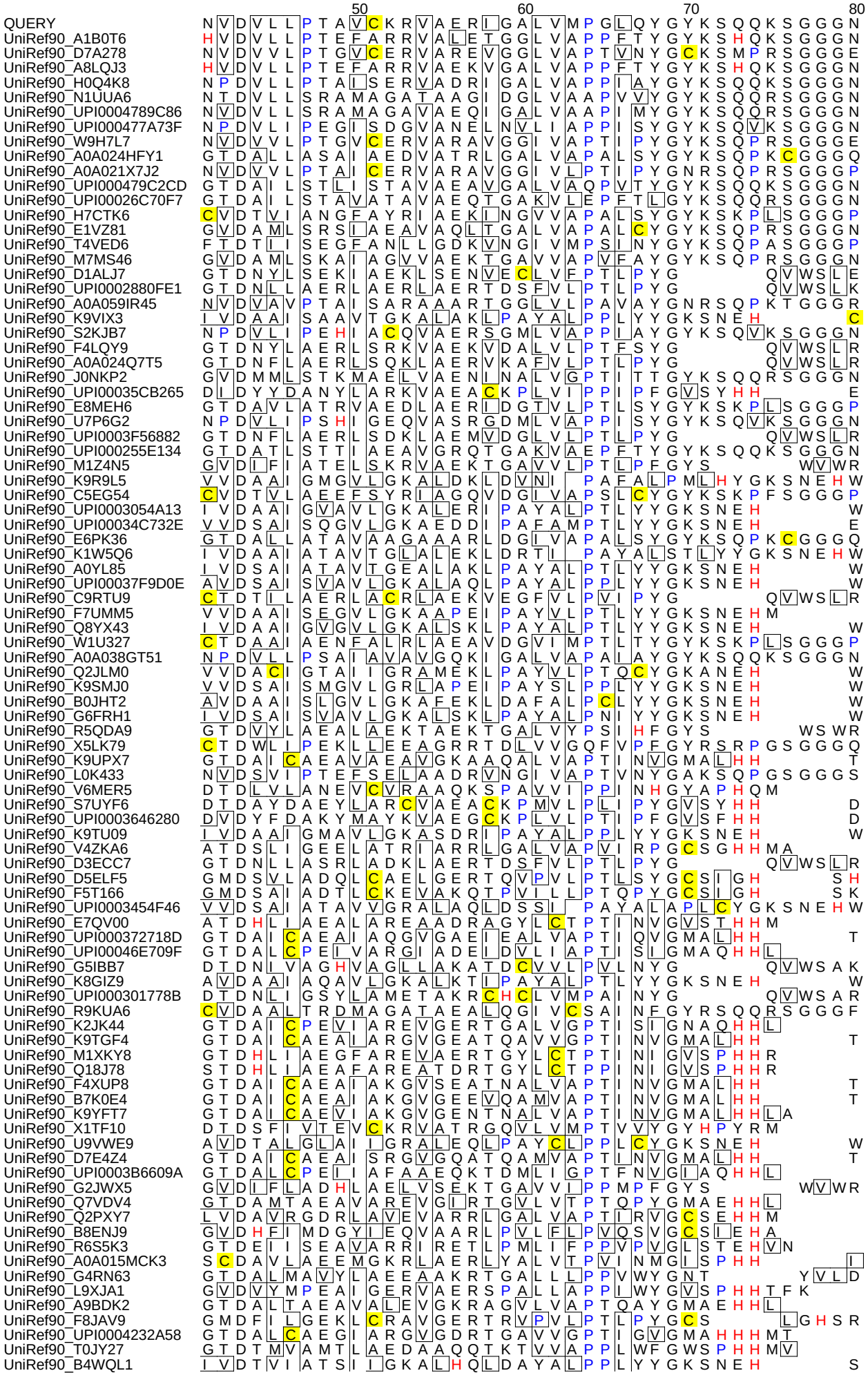
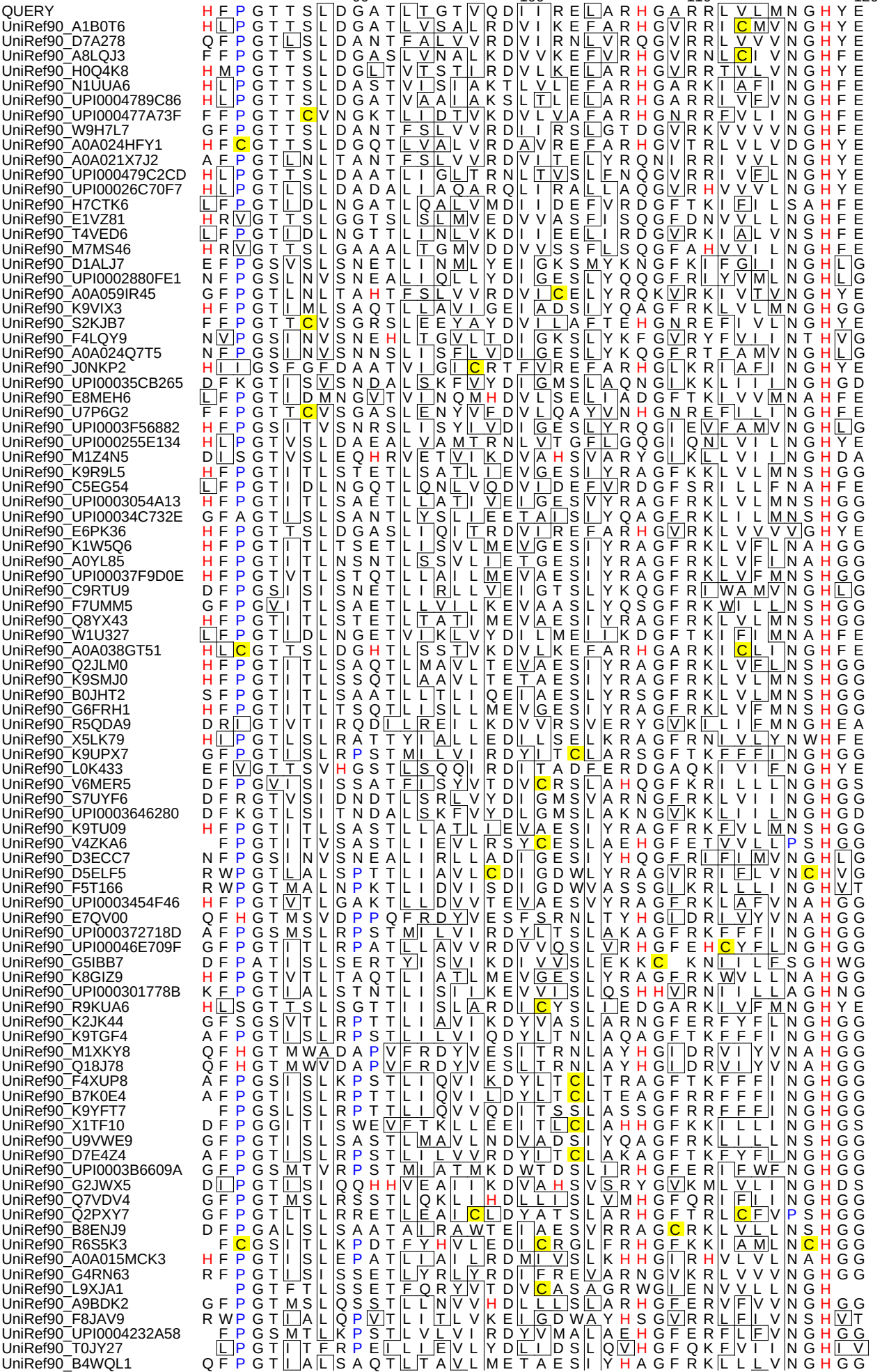
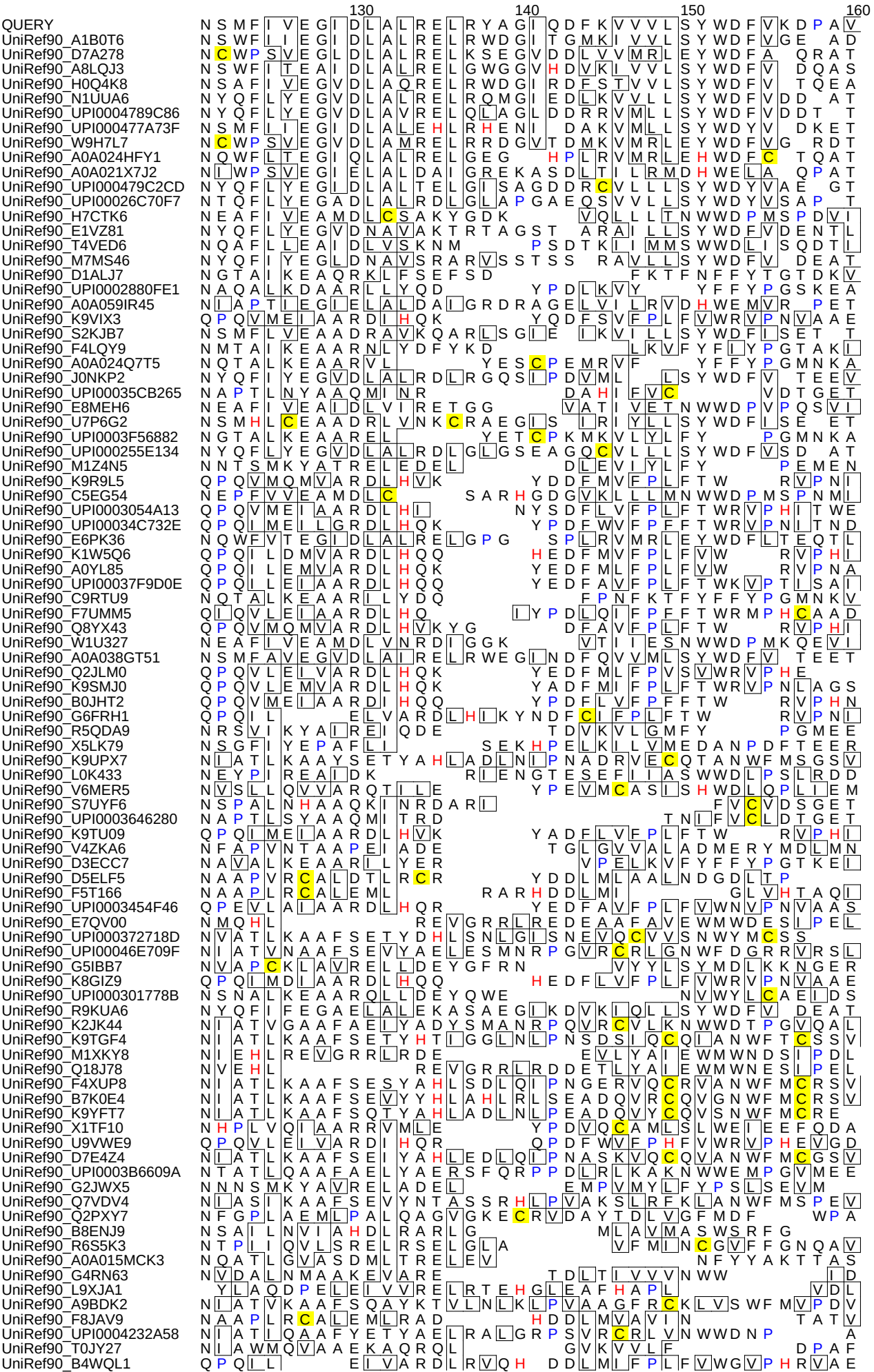
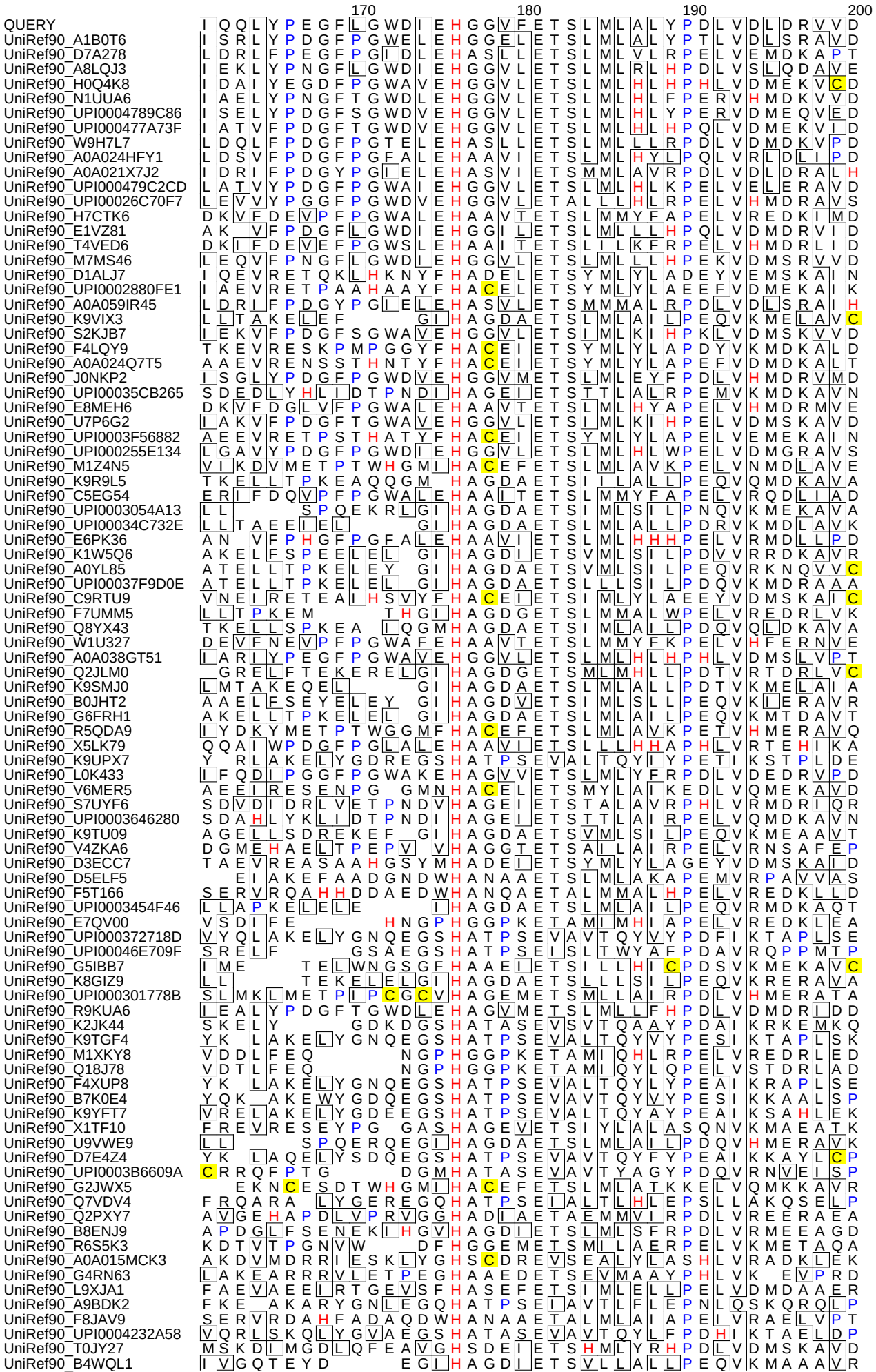
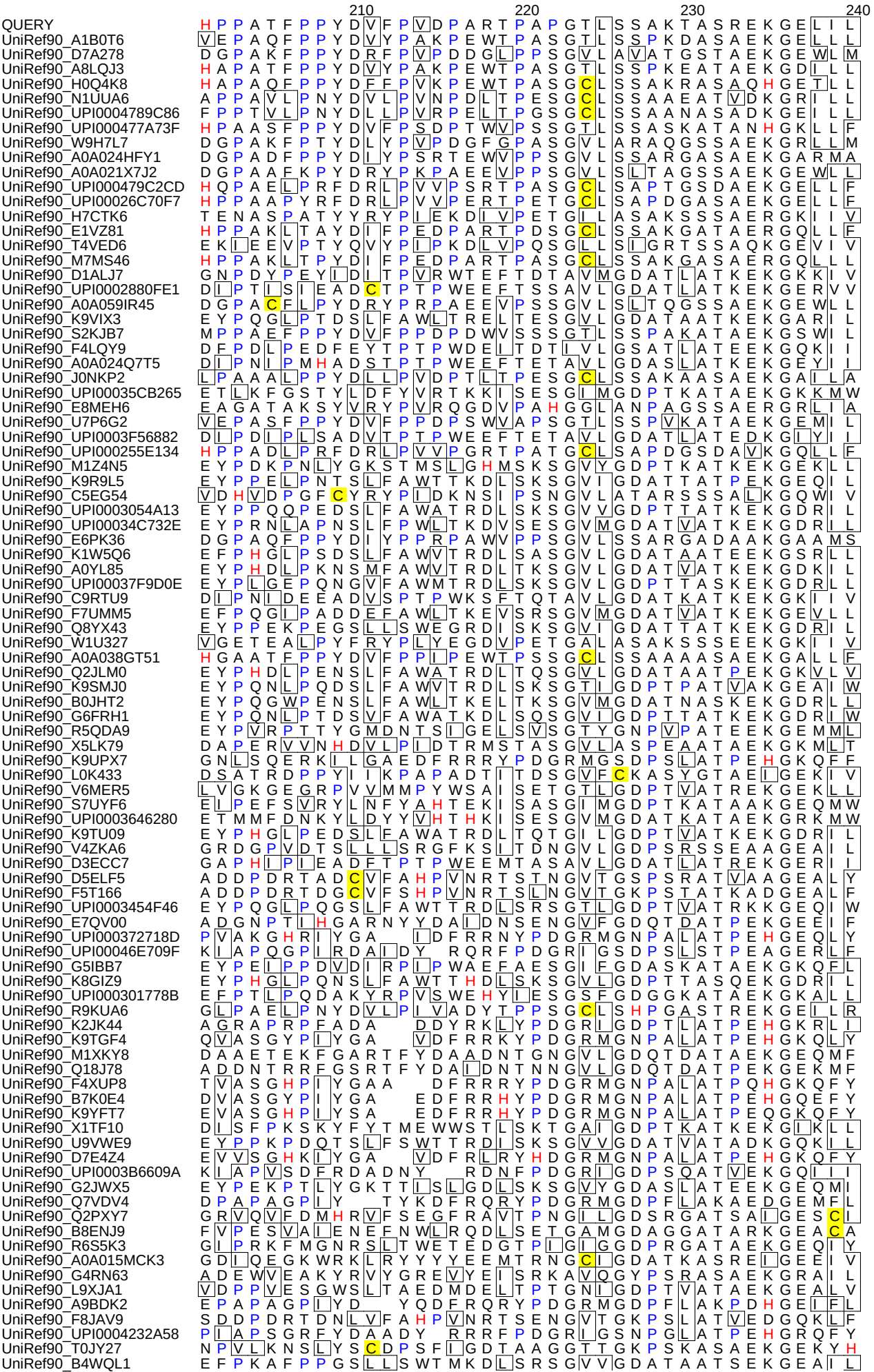

1
10
20
30
40
QUERY
UniRef90_A1B0T6
UniRef90_D7A278
UniRef90_A8LQJ3
UniRef90_H0Q4K8
UniRef90_N1UUA6
UniRef90_UPI0004789C86
UniRef90_UPI000477A73F
UniRef90_W9H7L7
UniRef90_A0A024HFY1
UniRef90_A0A021X7J2
UniRef90_UPI000479C2CD
UniRef90_UPI00026C70F7
UniRef90_H7CTK6
UniRef90_E1VZ81
UniRef90_T4VED6
UniRef90_M7MS46
UniRef90_D1ALJ7
UniRef90_UPI0002880FE1
UniRef90_A0A059IR45
UniRef90_K9VIX3
UniRef90_S2KJB7
UniRef90_F4LQY9
UniRef90_A0A024Q7T5
UniRef90_J0NKP2
UniRef90_UPI00035CB265
UniRef90_E8MEH6
UniRef90_U7P6G2
UniRef90_UPI0003F56882
UniRef90_UPI000255E134
UniRef90_M1Z4N5
UniRef90_K9R9L5
UniRef90_C5EG54
UniRef90_UPI0003054A13
UniRef90_UPI00034C732E
UniRef90_E6PK36
UniRef90_K1W5Q6
UniRef90_A0YL85
UniRef90_UPI00037F9D0E
UniRef90_C9RTU9
UniRef90_F7UMM5
UniRef90_Q8YX43
UniRef90_W1U327
UniRef90_A0A038GT51
UniRef90_Q2JLM0
UniRef90_K9SMJ0
UniRef90_B0JHT2
UniRef90_G6FRH1
UniRef90_R5QDA9
UniRef90_X5LK79
UniRef90_K9UPX7
UniRef90_L0K433
UniRef90_V6MER5
UniRef90_S7UYF6
UniRef90_UPI0003646280
UniRef90_K9TU09
UniRef90_V4ZKA6
UniRef90_D3ECC7
UniRef90_D5ELF5
UniRef90_F5T166
UniRef90_UPI0003454F46
UniRef90_E7QV00
UniRef90_UPI000372718D
UniRef90_UPI00046E709F
UniRef90_G5IBB7
UniRef90_K8GIZ9
UniRef90_UPI000301778B
UniRef90_R9KUA6
UniRef90_K2JK44
UniRef90_K9TGF4
UniRef90_M1XKY8
UniRef90_Q18J78
UniRef90_F4XUP8
UniRef90_B7K0E4
UniRef90_K9YFT7
UniRef90_X1TF10
UniRef90_U9VWE9
UniRef90_D7E4Z4
UniRef90_UPI0003B6609A
UniRef90_G2JWX5
UniRef90_Q7VDV4
UniRef90_Q2PXY7
UniRef90_B8ENJ9
UniRef90_R6S5K3
UniRef90_A0A015MCK3
UniRef90_G4RN63
UniRef90_L9XJA1
UniRef90_A9BDK2
UniRef90_F8JAV9
UniRef90_UPI0004232A58
UniRef90_T0JY27
UniRef90_B4WQL1

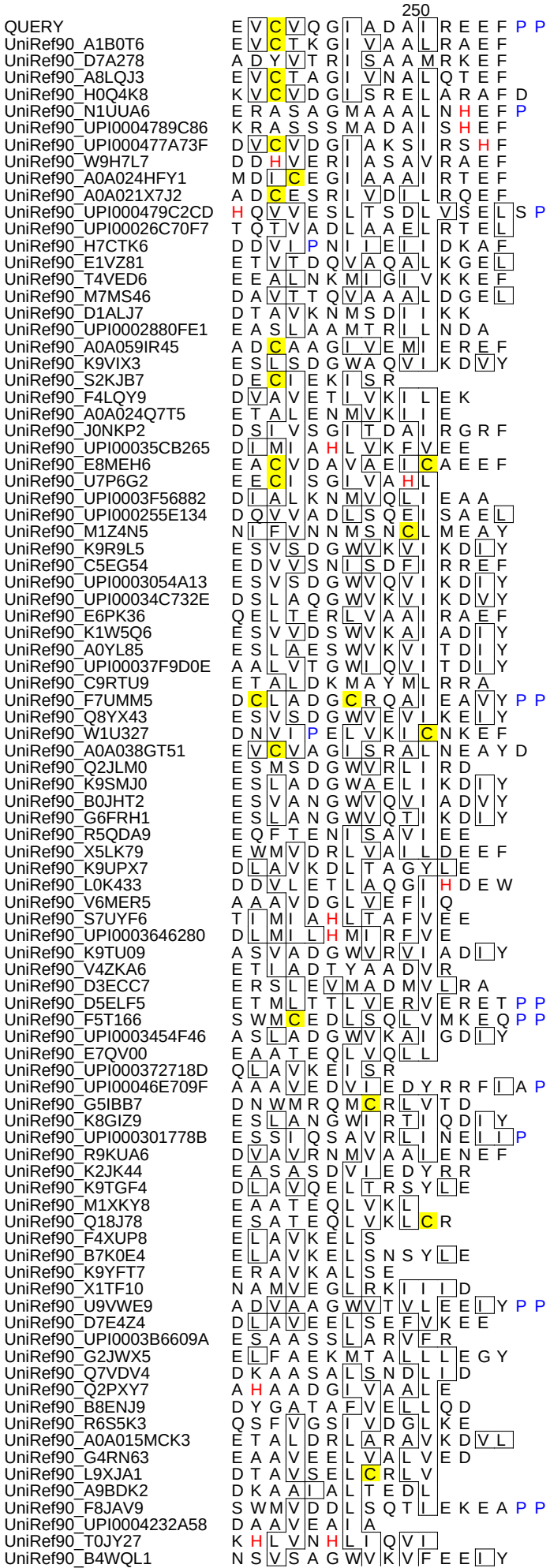

50
60
70
80
QUERY
UniRef90_A1B0T6
UniRef90_D7A278
UniRef90_A8LQJ3
UniRef90_H0Q4K8
UniRef90_N1UUA6
UniRef90_UPI0004789C86
UniRef90_UPI000477A73F
UniRef90_W9H7L7
UniRef90_A0A024HFY1
UniRef90_A0A021X7J2
UniRef90_UPI000479C2CD
UniRef90_UPI00026C70F7
UniRef90_H7CTK6
UniRef90_E1VZ81
UniRef90_T4VED6
UniRef90_M7MS46
UniRef90_D1ALJ7
UniRef90_UPI0002880FE1
UniRef90_A0A059IR45
UniRef90_K9VIX3
UniRef90_S2KJB7
UniRef90_F4LQY9
UniRef90_A0A024Q7T5
UniRef90_J0NKP2
UniRef90_UPI00035CB265
UniRef90_E8MEH6
UniRef90_U7P6G2
UniRef90_UPI0003F56882
UniRef90_UPI000255E134
UniRef90_M1Z4N5
UniRef90_K9R9L5
UniRef90_C5EG54
UniRef90_UPI0003054A13
UniRef90_UPI00034C732E
UniRef90_E6PK36
UniRef90_K1W5Q6
UniRef90_A0YL85
UniRef90_UPI00037F9D0E
UniRef90_C9RTU9
UniRef90_F7UMM5
UniRef90_Q8YX43
UniRef90_W1U327
UniRef90_A0A038GT51
UniRef90_Q2JLM0
UniRef90_K9SMJ0
UniRef90_B0JHT2
UniRef90_G6FRH1
UniRef90_R5QDA9
UniRef90_X5LK79
UniRef90_K9UPX7
UniRef90_L0K433
UniRef90_V6MER5
UniRef90_S7UYF6
UniRef90_UPI0003646280
UniRef90_K9TU09
UniRef90_V4ZKA6
UniRef90_D3ECC7
UniRef90_D5ELF5
UniRef90_F5T166
UniRef90_UPI0003454F46
UniRef90_E7QV00
UniRef90_UPI000372718D
UniRef90_UPI00046E709F
UniRef90_G5IBB7
UniRef90_K8GIZ9
UniRef90_UPI000301778B
UniRef90_R9KUA6
UniRef90_K2JK44
UniRef90_K9TGF4
UniRef90_M1XKY8
UniRef90_Q18J78
UniRef90_F4XUP8
UniRef90_B7K0E4
UniRef90_K9YFT7
UniRef90_X1TF10
UniRef90_U9VWE9
UniRef90_D7E4Z4
UniRef90_UPI0003B6609A
UniRef90_G2JWX5
UniRef90_Q7VDV4
UniRef90_Q2PXY7
UniRef90_B8ENJ9
UniRef90_R6S5K3
UniRef90_A0A015MCK3
UniRef90_G4RN63
UniRef90_L9XJA1
UniRef90_A9BDK2
UniRef90_F8JAV9
UniRef90_UPI0004232A58
UniRef90_T0JY27
UniRef90_B4WQL1

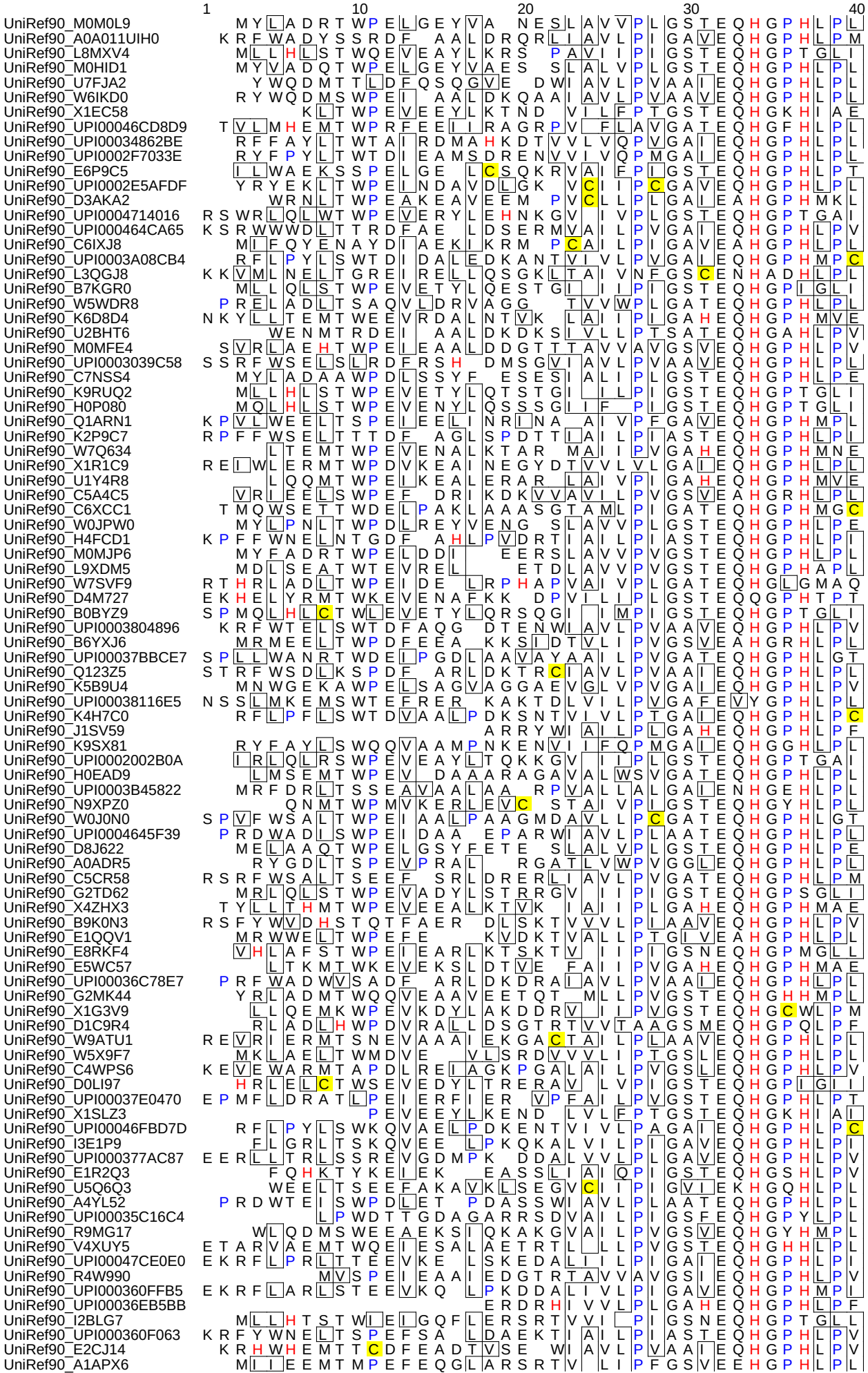

90
100
110
120
QUERY
UniRef90_A1B0T6
UniRef90_D7A278
UniRef90_A8LQJ3
UniRef90_H0Q4K8
UniRef90_N1UUA6
UniRef90_UPI0004789C86
UniRef90_UPI000477A73F
UniRef90_W9H7L7
UniRef90_A0A024HFY1
UniRef90_A0A021X7J2
UniRef90_UPI000479C2CD
UniRef90_UPI00026C70F7
UniRef90_H7CTK6
UniRef90_E1VZ81
UniRef90_T4VED6
UniRef90_M7MS46
UniRef90_D1ALJ7
UniRef90_UPI0002880FE1
UniRef90_A0A059IR45
UniRef90_K9VIX3
UniRef90_S2KJB7
UniRef90_F4LQY9
UniRef90_A0A024Q7T5
UniRef90_J0NKP2
UniRef90_UPI00035CB265
UniRef90_E8MEH6
UniRef90_U7P6G2
UniRef90_UPI0003F56882
UniRef90_UPI000255E134
UniRef90_M1Z4N5
UniRef90_K9R9L5
UniRef90_C5EG54
UniRef90_UPI0003054A13
UniRef90_UPI00034C732E
UniRef90_E6PK36
UniRef90_K1W5Q6
UniRef90_A0YL85
UniRef90_UPI00037F9D0E
UniRef90_C9RTU9
UniRef90_F7UMM5
UniRef90_Q8YX43
UniRef90_W1U327
UniRef90_A0A038GT51
UniRef90_Q2JLM0
UniRef90_K9SMJ0
UniRef90_B0JHT2
UniRef90_G6FRH1
UniRef90_R5QDA9
UniRef90_X5LK79
UniRef90_K9UPX7
UniRef90_L0K433
UniRef90_V6MER5
UniRef90_S7UYF6
UniRef90_UPI0003646280
UniRef90_K9TU09
UniRef90_V4ZKA6
UniRef90_D3ECC7
UniRef90_D5ELF5
UniRef90_F5T166
UniRef90_UPI0003454F46
UniRef90_E7QV00
UniRef90_UPI000372718D
UniRef90_UPI00046E709F
UniRef90_G5IBB7
UniRef90_K8GIZ9
UniRef90_UPI000301778B
UniRef90_R9KUA6
UniRef90_K2JK44
UniRef90_K9TGF4
UniRef90_M1XKY8
UniRef90_Q18J78
UniRef90_F4XUP8
UniRef90_B7K0E4
UniRef90_K9YFT7
UniRef90_X1TF10
UniRef90_U9VWE9
UniRef90_D7E4Z4
UniRef90_UPI0003B6609A
UniRef90_G2JWX5
UniRef90_Q7VDV4
UniRef90_Q2PXY7
UniRef90_B8ENJ9
UniRef90_R6S5K3
UniRef90_A0A015MCK3
UniRef90_G4RN63
UniRef90_L9XJA1
UniRef90_A9BDK2
UniRef90_F8JAV9
UniRef90_UPI0004232A58
UniRef90_T0JY27
UniRef90_B4WQL1

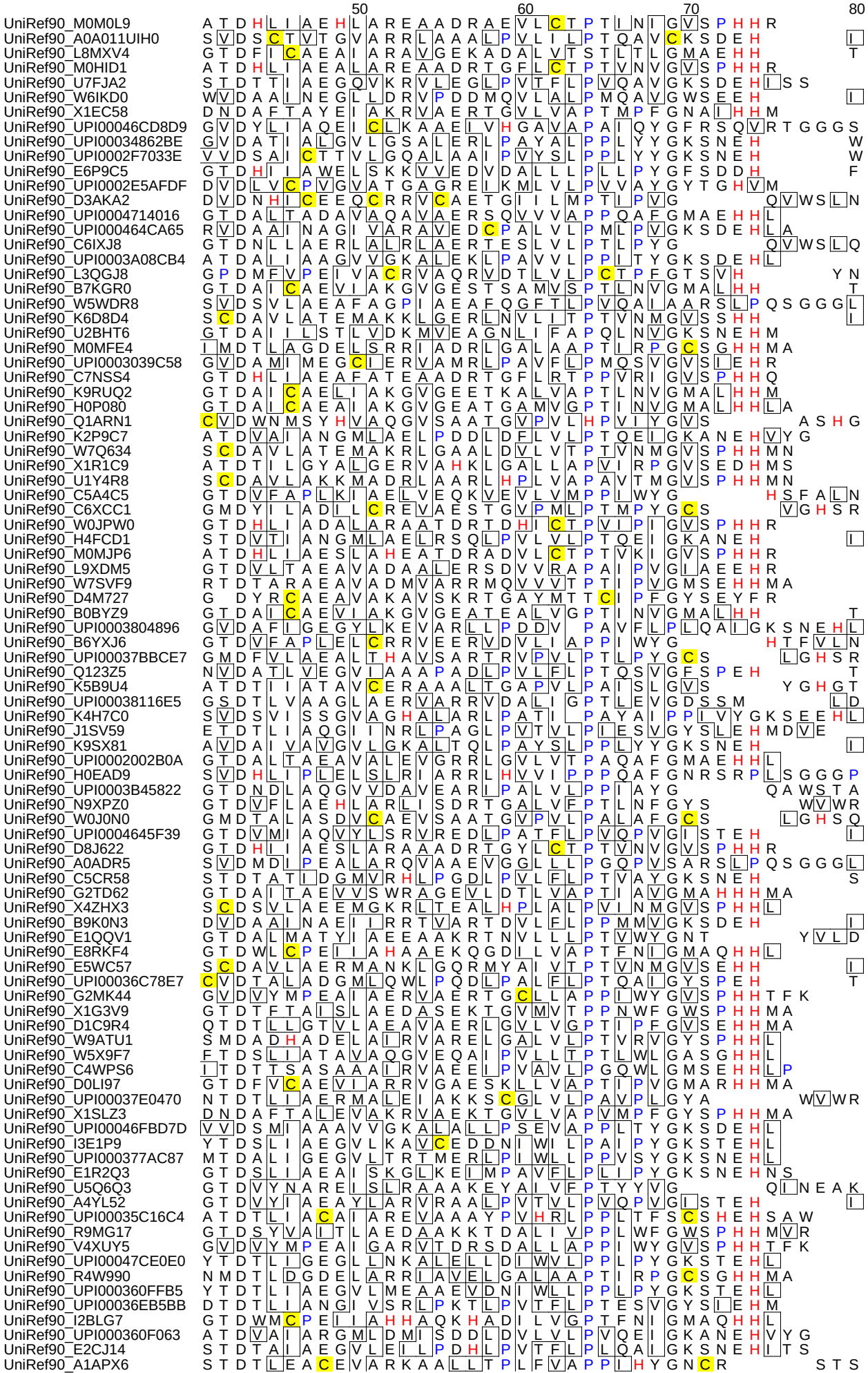

130
140
150
160
QUERY N S M F I V E G I D L A L R E L R Y A G I Q D F K V V V L S Y W D F V K D P A V
UniRef90_A1B0T6 N S W F I I E G I D L A L R E L R W D G I T G M K I V V L S Y W D F V G E A D
UniRef90_D7A278 N C W P S V E G L D L A L R E L K S E G V D D L V V M R L E Y W D F A Q R A T
UniRef90_A8LQJ3 N S W F I T E A I D L A L R E L G W G G V H D V K I V V L S Y W D F V D Q A S
UniRef90_H0Q4K8 N S A F I V E G V D L A Q R E L R W D G I R D F S T V V L S Y W D F V T Q E A
UniRef90_N1UUA6 N Y Q F L Y E G V D L A L R E L R Q M G I E D L K V V L L S Y W D F V D D A T
UniRef90_UPI0004789C86 N Y Q F L Y E G V D L A V R E L Q L A G L D D R R V M L L S Y W D F V D D T T
UniRef90_UPI000477A73F N S M F I I E G I D L A L E H L R H E N I D A K V M L L S Y W D Y V D K E T
UniRef90_W9H7L7 N C W P S V E G V D L A M R E L R R D G V T D M K V M R L E Y W D F V G R D T
UniRef90_A0A024HFY1 N Q W F L T E G I Q L A L R E L G E G H P L R V M R L E H W D F C T Q A T
UniRef90_A0A021X7J2 N I W P S V E G I E L A L D A I G R E K A S D L T I L R M D H W E L A Q P A T
UniRef90_UPI000479C2CD N Y Q F L Y E G I D L A L T E L G I S A G D D R C V L L L S Y W D Y V A E G T
UniRef90_UPI00026C70F7 N T Q F L Y E G A D L A L R D L G L A P G A E Q S V V L L S Y W D Y V S A P T
UniRef90_H7CTK6 N E A F I V E A M D L C S A K Y G D K V Q L L L T N W W D P M S P D V I
UniRef90_E1VZ81 N Y Q F L Y E G V D N A V A K T R T A G S T A R A I L L S Y W D F V D E N T L
UniRef90_T4VED6 N Q A F L L E A I D L V S K N M P S D T K I I M M S W W D L I S Q D T I
UniRef90_M7MS46 N Y Q F I Y E G L D N A V S R A R V S S T S S R A V L L S Y W D F V D E A T
UniRef90_D1ALJ7 N G T A I K E A Q R K L F S E F S D F K T F N F F Y T G T D K V
UniRef90_UPI0002880FE1 N A Q A L K D A A R L L Y Q D Y P D L K V Y Y F F Y P G S K E A
UniRef90_A0A059IR45 N I A P T I E G I E L A L D A I G R D R A G E L V I L R V D H W E M V R P E T
UniRef90_K9VIX3 Q P Q V M E I A A R D I H Q K Y Q D F S V F P L F V W R V P N V A A E
UniRef90_S2KJB7 N S M F L V E A A D R A V K Q A R L S G I E I K V I L L S Y W D F I S E T T
UniRef90_F4LQY9 N M T A I K E A A R N L Y D F Y K D L K V F Y F I Y P G T A K I
UniRef90_A0A024Q7T5 N Q T A L K E A A R V L Y E S C P E M R V F Y F F Y P G M N K A
UniRef90_J0NKP2 N Y Q F I Y E G V D L A L R D L R G Q S I P D V M L L S Y W D F V T E E V
UniRef90_UPI00035CB265 N A P T L N Y A A Q M I N R D A H I F V C V D T G E T
UniRef90_E8MEH6 N E A F I V E A I D L V I R E T G G V A T I V E T N W W D P V P Q S V I
UniRef90_U7P6G2 N S M H L C E A A D R L V N K C R A E G I S I R I Y L L S Y W D F I S E E T
UniRef90_UPI0003F56882 N G T A L K E A A R E L Y E T C P K M K V L Y L F Y P G M N K A
UniRef90_UPI000255E134 N Y Q F L Y E G V D L A L R D L G L G S E A G Q C V L L L S Y W D F V S D A T
UniRef90_M1Z4N5 N N T S M K Y A T R E L E D E L D L E V I Y L F Y P E M E N
UniRef90_K9R9L5 Q P Q V M Q M V A R D L H V K Y D D F M V F P L F T W R V P N I
UniRef90_C5EG54 N E P F V V E A M D L C S A R H G D G V K L L L M N W W D P M S P N M I
UniRef90_UPI0003054A13 Q P Q V M E I A A R D L H I N Y S D F L V F P L F T W R V P H I T W E
UniRef90_UPI00034C732E Q P Q I M E I L G R D L H Q K Y P D F W V F P F F T W R V P N I T N D
UniRef90_E6PK36 N Q W F V T E G I D L A L R E L G P G S P L R V M R L E Y W D F L T E Q T L
UniRef90_K1W5Q6 Q P Q I L D M V A R D L H Q Q H E D F M V F P L F V W R V P H I
UniRef90_A0YL85 Q P Q I L E M V A R D L H Q K Y E D F M L F P L F V W R V P N A
UniRef90_UPI00037F9D0E Q P Q I L E I A A R D L H Q Q Y E D F A V F P L F T W K V P T I S A I
UniRef90_C9RTU9 N Q T A L K E A A R I L Y D Q F P N F K T F Y F F Y P G M N K V
UniRef90_F7UMM5 Q I Q V L E I A A R D L H Q I Y P D L Q I F P F F T W R M P H C A A D
UniRef90_Q8YX43 Q P Q V M Q M V A R D L H V K Y G D F A V F P L F T W R V P H I
UniRef90_W1U327 N E A F I V E A M D L V N R D I G G K V T I I E S N W W D P M K Q E V I
UniRef90_A0A038GT51 N S M F A V E G V D L A I R E L R W E G I N D F Q V V M L S Y W D F V T E E T
UniRef90_Q2JLM0 Q P Q V L E I V A R D L H Q K Y E D F M L F P V S V W R V P H E
UniRef90_K9SMJ0 Q P Q V L E M V A R D L H Q K Y A D F M I F P L F T W R V P N L A G S
UniRef90_B0JHT2 Q P Q V M E I A A R D I H Q Q Y P D F L V F P F F T W R V P H N
UniRef90_G6FRH1 Q P Q I L E L V A R D L H I K Y N D F C I F P L F T W R V P N I
UniRef90_R5QDA9 N R S V I K Y A I R E I Q D E T D V K V L G M F Y P G M E E
UniRef90_X5LK79 N S G F I Y E P A F L I S E K H P E L K I L V M E D A N P D F T E E R
UniRef90_K9UPX7 N I A T L K A A Y S E T Y A H L A D L N I P N A D R V E C Q T A N W F M S G S V
UniRef90_L0K433 N E Y P I R E A I D K R I E N G T E S E F I I A S W W D L P S L R D D
UniRef90_V6MER5 N V S L L Q V V A R Q T I L E Y P E V M C A S I S H W D L Q P L I E M
UniRef90_S7UYF6 N S P A L N H A A Q K I N R D A R I F V C V D S G E T
UniRef90_UPI0003646280 N A P T L S Y A A Q M I T R D T N I F V C L D T G E T
UniRef90_K9TU09 Q P Q I M E I A A R D L H V K Y A D F L V F P L F T W R V P H I
UniRef90_V4ZKA6 N F A P V N T A A P E I A D E T G L G V V A L A D M E R Y M D L M N
UniRef90_D3ECC7 N A V A L K E A A R I L Y E R V P E L K V F Y F F Y P G T K E I
UniRef90_D5ELF5 N A A P V R C A L D T L R C R Y D D L M L A A L N D G D L T P
UniRef90_F5T166 N A A P L R C A L E M L R A R H D D L M I G L V H T A Q I
UniRef90_UPI0003454F46 Q P E V L A I A A R D L H Q R Y E D F A V F P L F V W N V P N V A A S
UniRef90_E7QV00 N M Q H L R E V G R R L R E D E A A F A V E W M W D E S I P E L
UniRef90_UPI000372718D N V A T L K A A F S E T Y D H L S N L G I S N E V Q C V V S N W Y M C S S
UniRef90_UPI00046E709F N I A T V N A A F S E V Y A E L E S M N R P G V R C R L G N W F D G R R V R S L
UniRef90_G5IBB7 N V A P C K L A V R E L L D E Y G F R N V Y Y L S Y M D L K K N G E R
UniRef90_K8GIZ9 Q P Q I M D I A A R D L H Q Q H E D F L V F P L F V W R V P N V A A E
UniRef90_UPI000301778B N S N A L K E A A R Q L L D E Y Q W E N V W Y L C A E I D S
UniRef90_R9KUA6 N Y Q F I F E G A E L A L E K A S A E G I K D V K I Q L L S Y W D F V D E A T
UniRef90_K2JK44 N I A T V G A A F A E I Y A D Y S M A N R P Q V R C V L K N W W D T P G V Q A L
UniRef90_K9TGF4 N I A T L K A A F S E T Y H T I G G L N L P N S D S I Q C Q I A N W F T C S S V
UniRef90_M1XKY8 N I E H L R E V G R R L R D E E V L Y A I E W M W N D S I P D L
UniRef90_Q18J78 N V E H L R E V G R R L R D D E T L Y A I E W M W N E S I P E L
UniRef90_F4XUP8 N I A T L K A A F S E S Y A H L S D L Q I P N G E R V Q C R V A N W F M C R S V
UniRef90_B7K0E4 N I A T L K A A F S E V Y Y H L A H L R L S E A D Q V R C Q V G N W F M C R S V
UniRef90_K9YFT7 N I A T L K A A F S Q T Y A H L A D L N L P E A D Q V Y C Q V S N W F M C R E
UniRef90_X1TF10 N H P L V Q I A A R R V M L E Y P D V Q C A M L S L W E I E E F Q D A
UniRef90_U9VWE9 Q P Q V L E I V A R D I H Q R Q P D F W V F P H F V W R V P H E V G D
UniRef90_D7E4Z4 N I A T L K A A F S E I Y A H L E D L Q I P N A S K V Q C Q V A N W F M C G S V
UniRef90_UPI0003B6609A N T A T L Q A A F A E L Y A E R S F Q R P P D L R L K A K N W W E M P G V M E E
UniRef90_G2JWX5 N N N S M K Y A V R E L A D E L E M P V M Y L F Y P S L S E V M
UniRef90_Q7VDV4 N I A S I K A A F S E V Y N T A S S R H L P V A K S L R F K L A N W F M S P E V
UniRef90_Q2PXY7 N F G P L A E M L P A L Q A G V G K E C R V D A Y T D L V G F M D F W P A
UniRef90_B8ENJ9 N S A I L N V I A H D L R A R L G M L A V M A S W S R F G
UniRef90_R6S5K3 N T P I I Q V L S R E L R S E L G L A V F M I N C G V F F G N Q A V
UniRef90_A0A015MCK3 N Q A T L G V A S D M L T R E L E V N F Y Y A K T T A S
UniRef90_G4RN63 N V D A L N M A A K E V A R E T D L T I V V V N W W I D
UniRef90_L9XJA1 Y L A Q D P E L E I V V R E L R T E H G L E A F H A P L V D L
UniRef90_A9BDK2 N I A T V K A A F S Q A Y K T V L N L K L P V A A G F R C K L V S W F M V P D V
UniRef90_F8JAV9 N A A P L R C A L E M L R A D H D D L M V A V I N T A T V
UniRef90_UPI0004232A58 N I A T I Q A A F Y E T Y A E L R A L G R P S V R C R L V N W W D N P A
UniRef90_T0JY27 N I A W M Q V A A E K A Q R Q L G V K V V L F D P A F
UniRef90_B4WQL1 Q P Q I L E I V A R D L R V Q H D D L M I F P L F V W G V P H R V A E

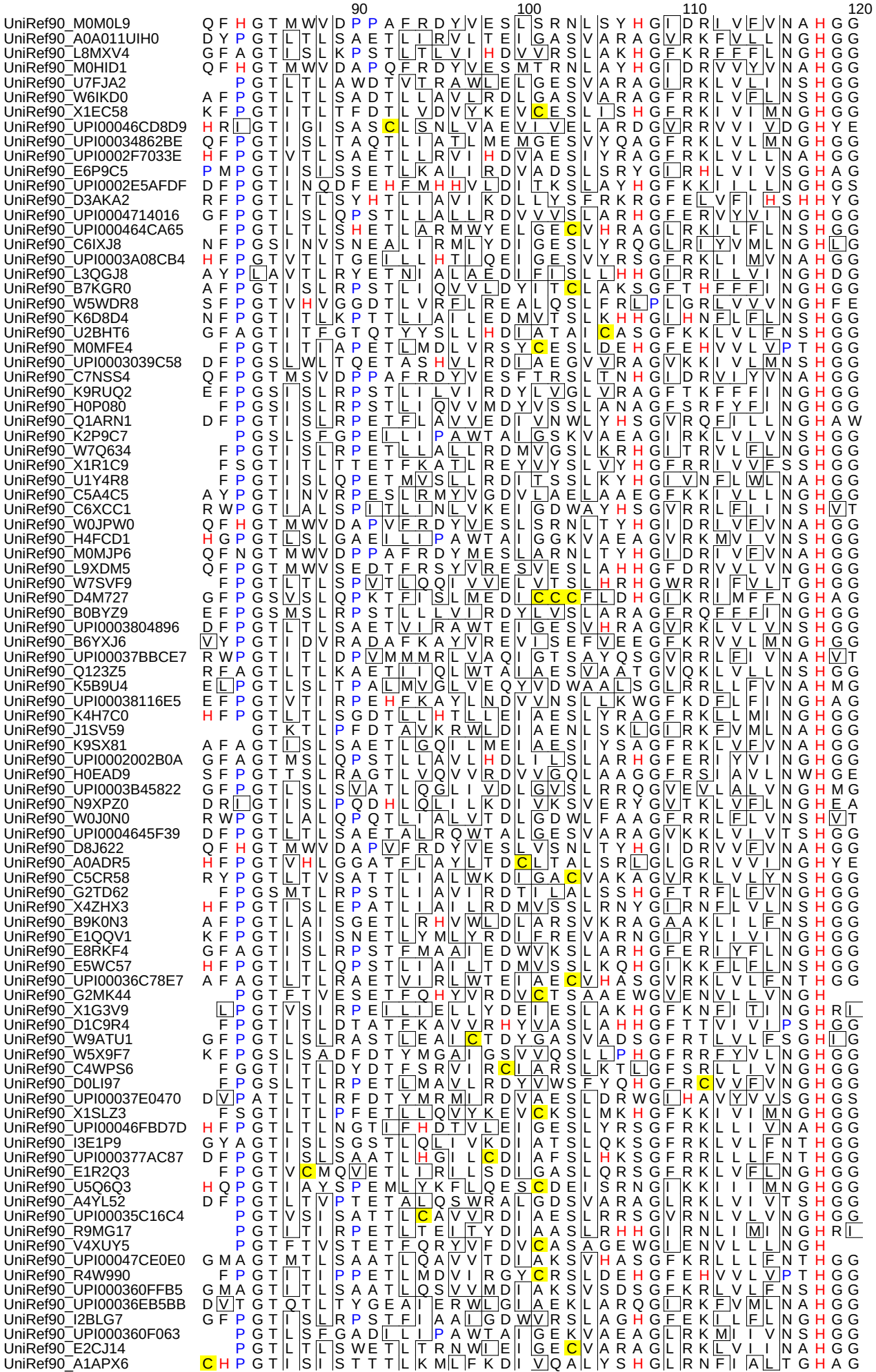

170
180
190
200
QUERY
UniRef90_A1B0T6
UniRef90_D7A278
UniRef90_A8LQJ3
UniRef90_H0Q4K8
UniRef90_N1UUA6
UniRef90_UPI0004789C86
UniRef90_UPI000477A73F
UniRef90_W9H7L7
UniRef90_A0A024HFY1
UniRef90_A0A021X7J2
UniRef90_UPI000479C2CD
UniRef90_UPI00026C70F7
UniRef90_H7CTK6
UniRef90_E1VZ81
UniRef90_T4VED6
UniRef90_M7MS46
UniRef90_D1ALJ7
UniRef90_UPI0002880FE1
UniRef90_A0A059IR45
UniRef90_K9VIX3
UniRef90_S2KJB7
UniRef90_F4LQY9
UniRef90_A0A024Q7T5
UniRef90_J0NKP2
UniRef90_UPI00035CB265
UniRef90_E8MEH6
UniRef90_U7P6G2
UniRef90_UPI0003F56882
UniRef90_UPI000255E134
UniRef90_M1Z4N5
UniRef90_K9R9L5
UniRef90_C5EG54
UniRef90_UPI0003054A13
UniRef90_UPI00034C732E
UniRef90_E6PK36
UniRef90_K1W5Q6
UniRef90_A0YL85
UniRef90_UPI00037F9D0E
UniRef90_C9RTU9
UniRef90_F7UMM5
UniRef90_Q8YX43
UniRef90_W1U327
UniRef90_A0A038GT51
UniRef90_Q2JLM0
UniRef90_K9SMJ0
UniRef90_B0JHT2
UniRef90_G6FRH1
UniRef90_R5QDA9
UniRef90_X5LK79
UniRef90_K9UPX7
UniRef90_L0K433
UniRef90_V6MER5
UniRef90_S7UYF6
UniRef90_UPI0003646280
UniRef90_K9TU09
UniRef90_V4ZKA6
UniRef90_D3ECC7
UniRef90_D5ELF5
UniRef90_F5T166
UniRef90_UPI0003454F46
UniRef90_E7QV00
UniRef90_UPI000372718D
UniRef90_UPI00046E709F
UniRef90_G5IBB7
UniRef90_K8GIZ9
UniRef90_UPI000301778B
UniRef90_R9KUA6
UniRef90_K2JK44
UniRef90_K9TGF4
UniRef90_M1XKY8
UniRef90_Q18J78
UniRef90_F4XUP8
UniRef90_B7K0E4
UniRef90_K9YFT7
UniRef90_X1TF10
UniRef90_U9VWE9
UniRef90_D7E4Z4
UniRef90_UPI0003B6609A
UniRef90_G2JWX5
UniRef90_Q7VDV4
UniRef90_Q2PXY7
UniRef90_B8ENJ9
UniRef90_R6S5K3
UniRef90_A0A015MCK3
UniRef90_G4RN63
UniRef90_L9XJA1
UniRef90_A9BDK2
UniRef90_F8JAV9
UniRef90_UPI0004232A58
UniRef90_T0JY27
UniRef90_B4WQL1

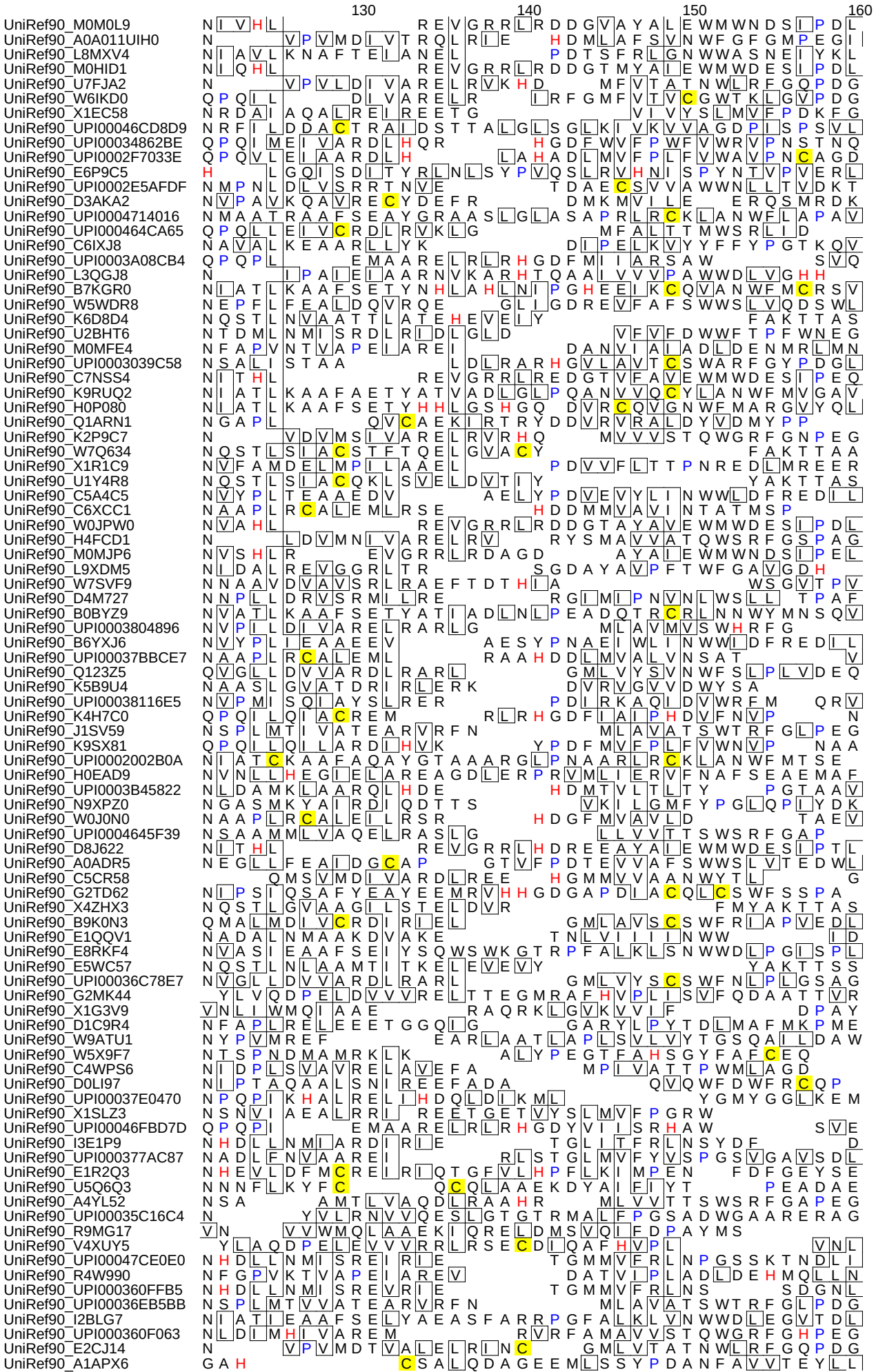

210
220
230
240
QUERY H P P A T F P P Y D V F P V D P A R T P A P G T L S S A K T A S R E K G E L I L
UniRef90_A1B0T6 V E P A Q F P P Y D V Y P A K P E W T P A S G T L S S P K D A S A E K G E L L L
UniRef90_D7A278 D G P A K F P P Y D R F P V P D D G L P P S G V L A V A T G S T A E K G E W L M
UniRef90_A8LQJ3 H A P A T F P P Y D V Y P A K P E W T P A S G T L S S P K E A T A E K G D I L L
UniRef90_H0Q4K8 H A P A Q F P P Y D F F P V K P E W T P A S G C L S S A K R A S A Q H G E T L L
UniRef90_N1UUA6 A P P A V L P N Y D V L P V N P D L T P E S G C L S S A A E A T V D K G R I L L
UniRef90_UPI0004789C86 F P P T V L P N Y D L L P V R P E L T P G S G C L S S A A N A S A D K G E I L L
UniRef90_UPI000477A73F H P A A S F P P Y D V F P S D P T W V P S S G T L S S A S K A T A N H G K L L F
UniRef90_W9H7L7 D G P A K F P T Y D L Y P V P D G F G P A S G V L A R A Q G S S A E K G R L L M
UniRef90_A0A024HFY1 D G P A D F P P Y D I Y P S R T E W V P P S G V L S S A R G A S A E K G A R M A
UniRef90_A0A021X7J2 D G P A A F K P Y D R Y P K P A E E V P P S G V L S L T A G S S A E K G E W L L
UniRef90_UPI000479C2CD H Q P A E L P R F D R L P V V P S R T P A S G C L S A P T G S D A E K G E L L F
UniRef90_UPI00026C70F7 H P P A A P Y R F D R L P V V P E R T P E T G C L S A P D G A S A E K G E L L F
UniRef90_H7CTK6 T E N A S P A T Y Y R Y P I E K D I V P E T G I L A S A K S S S A E R G K I I V
UniRef90_E1VZ81 H P P A K L T A Y D I F P E D P A R T P D S G C L S S A K G A T A E R G Q L L F
UniRef90_T4VED6 E K I E E V P T Y Q V Y P I P K D L V P Q S G L L S I G R T S S A Q K G E V I V
UniRef90_M7MS46 H P P A K L T P Y D I F P E D P A R T P A S G C L S S A K G A S A E R G Q L L L
UniRef90_D1ALJ7 G N P D Y P E Y I D I T P V R W T E F T D T A V M G D A T L A T K E K G K K I V
UniRef90_UPI0002880FE1 D I P T I S I E A D C T P T P W E E F T S S A V L G D A T L A T K E K G E R V V
UniRef90_A0A059IR45 D G P A C F L P Y D R Y P R P A E E V P S S G V L S L T Q G S S A E K G E W L L
UniRef90_K9VIX3 E Y P Q G L P T D S L F A W L T R E L T E S G V L G D A T A A T K E K G A R I L
UniRef90_S2KJB7 M P P A E F P P Y D V F P P D P D W V S S S G T L S S P A K A T A E K G S W I L
UniRef90_F4LQY9 D F P D L P E D F E Y T P T P W D E I T D T I V L G S A T L A T E E K G Q K I I
UniRef90_A0A024Q7T5 D I P N I P M H A D S T P T P W E E F T E T A V L G D A S L A T K E K G E Y I I
UniRef90_J0NKP2 L P A A A L P P Y D L L P V D P T L T P E S G C L S S A K A A S A E K G A I L A
UniRef90_UPI00035CB265 E T L K F G S T Y L D F Y V R T K K I S E S G I M G D P T K A T A E K G K K M W
UniRef90_E8MEH6 E A G A T A K S Y V R Y P V R Q G D V P A H G G L A N P A G S S A E R G R L I A
UniRef90_U7P6G2 V E P A S F P P Y D V F P P D P S W V A P S G T L S S P V K A T A E K G E M I L
UniRef90_UPI0003F56882 D I P D I P L S A D V T P T P W E E F T E T A V L G D A T L A T E D K G I Y I I
UniRef90_UPI000255E134 H P P A D L P R F D R L P V V P G R T P A T G C L S A P D G S D A V K G Q L L F
UniRef90_M1Z4N5 E Y P D K P N L Y G K S T M S L G H M S K S G V Y G D P T K A T K E K G E K L L
UniRef90_K9R9L5 E Y P P E L P N T S L F A W T T K D L S K S G V I G D A T T A T P E K G E Q I L
UniRef90_C5EG54 V D H V D P G F C Y R Y P I D K N S I P S N G V L A T A R S S S A L K G Q W I V
UniRef90_UPI0003054A13 E Y P P Q Q P E D S L F A W A T R D L S K S G V V G D P T T A T K E K G D R I L
UniRef90_UPI00034C732E E Y P R N L A P N S L F P W L T K D V S E S G V M G D A T V A T K E K G D R I L
UniRef90_E6PK36 D G P A Q F P P Y D I Y P P R P A W V P P S G V L S S A R G A D A A K G A A M S
UniRef90_K1W5Q6 E F P H G L P S D S L F A W V T R D L S A S G V L G D A T A A T E E K G S R L L
UniRef90_A0YL85 E Y P H D L P K N S M F A W V T R D L T K S G V L G D A T V A T K E K G D K I L
UniRef90_UPI00037F9D0E E Y P L G E P Q N G V F A W M T R D L S K S G V L G D P T T A S K E K G D R L L
UniRef90_C9RTU9 D I P N I D E E A D V S P T P W K S F T Q T A V L G D A T K A T K E K G K I I V
UniRef90_F7UMM5 E F P Q G I P A D D E F A W L T K E V S R S G V M G D A T V A T K E K G E V L L
UniRef90_Q8YX43 E Y P P E K P E G S L L S W E G R D I S K S G V I G D A T T A T K E K G D R I L
UniRef90_W1U327 V G E T E A L P Y F R Y P L Y E G D V P E T G A L A S A K S S S E E K G K I I V
UniRef90_A0A038GT51 H G A A T F P P Y D V F P P I P E W T P S S G C L S S A A A A S A E K G A L L F
UniRef90_Q2JLM0 E Y P H D L P E N S L F A W A T R D L T Q S G V L G D A T A A T P E K G K V L V
UniRef90_K9SMJ0 E Y P Q N L P Q D S L F A W V T R D L S K S G T I G D P T P A T V A K G E A I W
UniRef90_B0JHT2 E Y P Q G W P E N S L F A W L T K E L T K S G V M G D A T N A S K E K G D R L L
UniRef90_G6FRH1 E Y P Q N L P T D S V F A W A T K D L S Q S G V I G D P T T A T K E K G D R I W
UniRef90_R5QDA9 E Y P V R P T T Y G M D N T S I G E L S V S G T Y G N P V P A T E E K G E M M L
UniRef90_X5LK79 D A P E R V V N H D V L P I D T R M S T A S G V L A S P E A A T A E K G K M L T
UniRef90_K9UPX7 G N L S Q E R K I L G A E D F R R R Y P D G R M G S D P S L A T P E H G K Q F F
UniRef90_L0K433 D S A T R D P P Y I I K P A P A D T I T D S G V F C K A S Y G T A E I G E K I V
UniRef90_V6MER5 L V G K G E G R P V V M M P Y W S A I S E T G T L G D P T V A T R E K G E K L L
UniRef90_S7UYF6 E I P E F S V R Y L N F Y A H T E K I S A S G I M G D P T K A T A A K G E Q M W
UniRef90_UPI0003646280 E T M M F D N K Y L D Y Y V H T H K I S E S G V M G D A T K A T A E K G R K M W
UniRef90_K9TU09 E Y P H G L P E D S L F A W A T R D L T Q T G I L G D P T V A T K E K G D R I L
UniRef90_V4ZKA6 G R D G P V D T S L L L S R G F K S I T D N G V L G D P S R S S E A A G E A I L
UniRef90_D3ECC7 G A P H I P I E A D F T P T P W E E M T A S A V L G D A T L A T R E K G E R I I
UniRef90_D5ELF5 A D D P D R T A D C V F A H P V N R T S T N G V T G S P S R A T V A A G E A L Y
UniRef90_F5T166 A D D P D R T D G C V F S H P V N R T S L N G V T G K P S T A T K A D G E A L F
UniRef90_UPI0003454F46 E Y P Q G L P Q G S L F A W T T R D L S R S G T L G D P T T V A T R K K G E Q I W
UniRef90_E7QV00 A D G N P T I H G A R N Y Y D A I D N S E N G V F G D Q T D A T P E K G E E I F
UniRef90_UPI000372718D P V A K G H R I Y G A I D F R R N Y P D G R M G N P A L A T P E H G E Q L Y
UniRef90_UPI00046E709F K I A P Q G P I R D A I D Y R Q R F P D G R I G S D P S L S T P E A G E R L F
UniRef90_G5IBB7 E Y P E I P P D V D I R P I P W A E F A E S G I F G D A S K A T A E K G K Q F L
UniRef90_K8GIZ9 E Y P H G L P Q N S L F A W T T H D L S K S G V L G D P T T A S Q E K G D R I L
UniRef90_UPI000301778B E F P T L P Q D A K Y R P V S W E H Y I E S G S F G D G G K A T A E K G K A L L
UniRef90_R9KUA6 G L P A E L P N Y D V L P I V A D Y T P P S G C L S H P G A S T R E K G E I L R
UniRef90_K2JK44 A G R A P R P F A D A D D Y R K L Y P D G R I G D P T L A T P E H G K R L I
UniRef90_K9TGF4 Q V A S G Y P I Y G A V D F R R K Y P D G R M G N P A L A T P E H G K Q L Y
UniRef90_M1XKY8 D A A E T E K F G A R T F Y D A A D N T G N G V L G D Q T D A T A E K G E Q M F
UniRef90_Q18J78 A D D N T R R F G S R T F Y D A I D N T N N G V L G D Q T D A T P E K G E K M F
UniRef90_F4XUP8 T V A S G H P I Y G A A D F R R R Y P D G R M G N P A L A T P Q H G K Q F Y
UniRef90_B7K0E4 D V A S G Y P I Y G A E D F R R H Y P D G R M G N P A L A T P E H G Q E F Y
UniRef90_K9YFT7 E V A S G H P I Y S A E D F R R H Y P D G R M G N P A L A T P E Q G K Q F Y
UniRef90_X1TF10 D I S F P K S K Y F Y T M E W W S T L S K T G A I G D P T K A T K E K G I K L L
UniRef90_U9VWE9 E Y P P K P D Q T S L F S W T T R D I S K S G V V G D A T V A T A D K G Q K I L
UniRef90_D7E4Z4 E V V S G H K I Y G A V D F R L R Y H D G R M G N P A L A T P E H G K Q F Y
UniRef90_UPI0003B6609A K I A P V S D F R D A D N Y R D N F P D G R I G D P S Q A T V E K G Q I I I
UniRef90_G2JWX5 E Y P E K P T L Y G K T T I S L G D L S K S G V Y G D A S L A T E E K G E Q M I
UniRef90_Q7VDV4 D P A P A G P I Y T Y K D F R Q R Y P D G R M G D P F L A K A E D G E M F L
UniRef90_Q2PXY7 G R V Q V F D M H R V F S E G F R A V T P N G I L G D S R G A T S A I G E S C I
UniRef90_B8ENJ9 F V P E S V A I E N E F N W L R Q D L S E T G A M G D A G G A T A R K G E A C A
UniRef90_R6S5K3 G I P R K F M G N R S L T W E T E D G T P I G I G G D P R G A T A E K G E Q I Y
UniRef90_A0A015MCK3 G D I Q E G K W R K L R Y Y Y Y E E M T R N G C I G D A T K A S R E I G E E I V
UniRef90_G4RN63 A D E W V E A K Y R V Y G R E V Y E I S R K A V Q G Y P S R A S A E K G R A I L
UniRef90_L9XJA1 V D P P V E S G W S L T A E D M D E L T P T G N I G D P T V A T A E K G E A L V
UniRef90_A9BDK2 E P A P A G P I Y D Y Q D F R Q R Y P D G R M G D P F L A K P D H G E I F L
UniRef90_F8JAV9 S D D P D R T D N L V F A H P V N R T S E N G V T G K P S L A T V E D G Q K L F
UniRef90_UPI0004232A58 P I A P S G R F Y D A A D Y R R R F P D G R I G S N P G L A T P E H G R Q F Y
UniRef90_T0JY27 N P V L K N S L Y S C D P S F I G D T A A G G T T G K P S K A S A E K G E K Y H
UniRef90_B4WQL1 E F P K A F P P G S L L S W T M K D L S R S G V V G D A T A A T S E K G E A I L

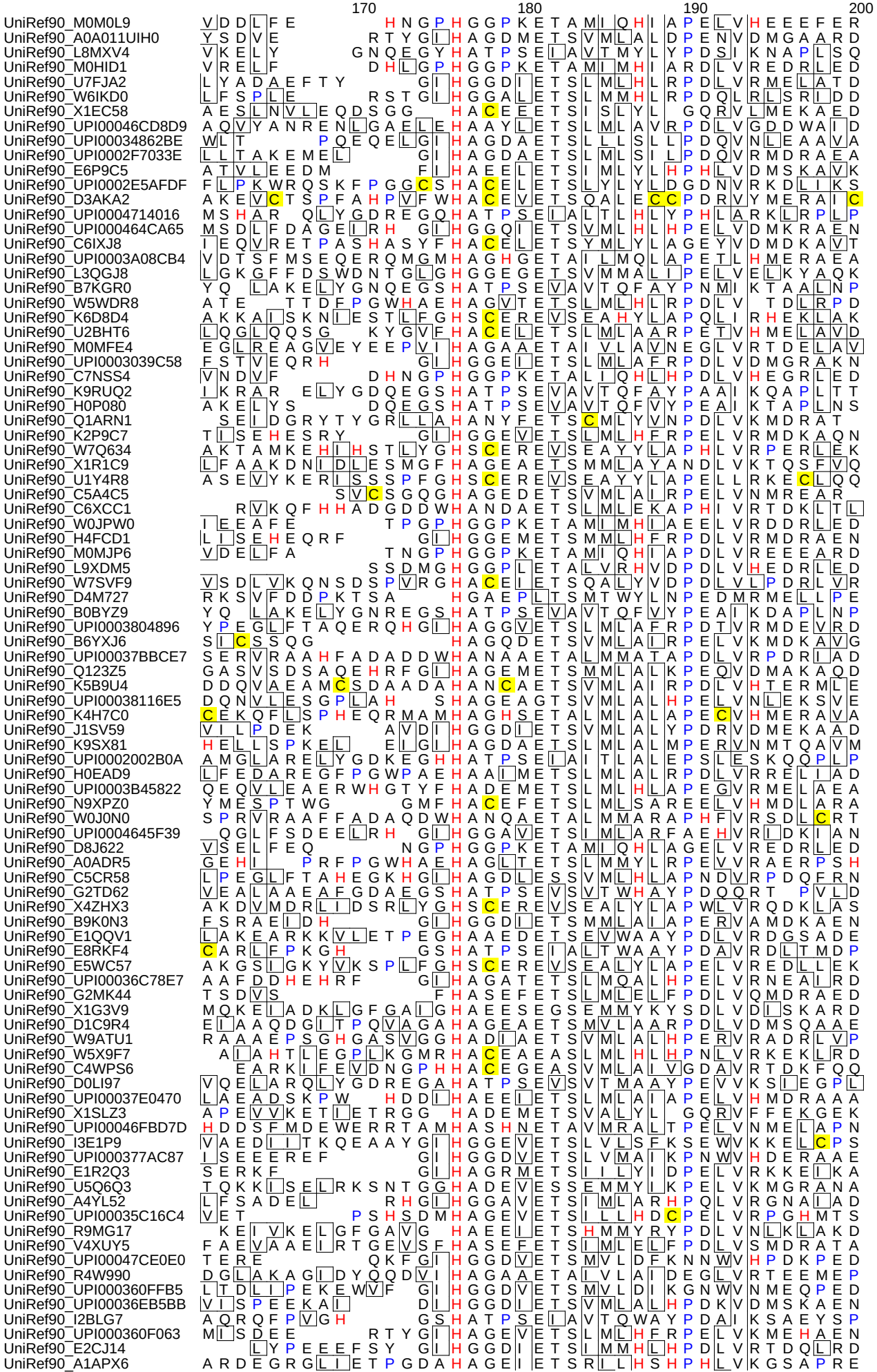

250
QUERY E V C V Q G I A D A I R E E F P P
UniRef90_A1B0T6 E V C T K G I V A A L R A E F
UniRef90_D7A278 A D Y V T R I S A A M R K E F
UniRef90_A8LQJ3 E V C T A G I V N A L Q T E F
UniRef90_H0Q4K8 K V C V D G I S R E L A R A F D
UniRef90_N1UUA6 E R A S A G M A A A L N H E F P
UniRef90_UPI0004789C86 K R A S S S M A D A I S H E F
UniRef90_UPI000477A73F D V C V D G I A K S I R S H F
UniRef90_W9H7L7 D D H V E R I A S A V R A E F
UniRef90_A0A024HFY1 M D I C E G I A A A I R T E F
UniRef90_A0A021X7J2 A D C E S R I V D I L R Q E F
UniRef90_UPI000479C2CD H Q V V E S L T S D L V S E L S P
UniRef90_UPI00026C70F7 T Q T V A D L A A E L R T E L
UniRef90_H7CTK6 D D V I P N I I E I I D K A F
UniRef90_E1VZ81 E T V T D Q V A Q A L K G E L
UniRef90_T4VED6 E E A L N K M I G I V K K E F
UniRef90_M7MS46 D A V T T Q V A A A L D G E L
UniRef90_D1ALJ7 D T A V K N M S D I I K K
UniRef90_UPI0002880FE1 E A S L A A M T R I L N D A
UniRef90_A0A059IR45 A D C A A G I V E M I E R E F
UniRef90_K9VIX3 E S L S D G W A Q V I K D V Y
UniRef90_S2KJB7 D E C I E K I S R
UniRef90_F4LQY9 D V A V E T L V K I L E K
UniRef90_A0A024Q7T5 E T A L E N M V K I I E
UniRef90_J0NKP2 D S I V S G I T D A I R G R F
UniRef90_UPI00035CB265 D I M I A H L V K F V E E
UniRef90_E8MEH6 E A C V D A V A E I C A E E F
UniRef90_U7P6G2 E E C I S G I V A H L
UniRef90_UPI0003F56882 D I A L K N M V Q L I E A A
UniRef90_UPI000255E134 D Q V V A D L S Q E I S A E L
UniRef90_M1Z4N5 N I F V N N M S N C L M E A Y
UniRef90_K9R9L5 E S V S D G W V K V I K D I Y
UniRef90_C5EG54 E D V V S N I S D F I R R E F
UniRef90_UPI0003054A13 E S V S D G W V Q V I K D I Y
UniRef90_UPI00034C732E D S L A Q G W V K V I K D V Y
UniRef90_E6PK36 Q E L T E R L V A A I R A E F
UniRef90_K1W5Q6 E S V V D S W V K A I A D I Y
UniRef90_A0YL85 E S L A E S W V K V I T D I Y
UniRef90_UPI00037F9D0E A A L V T G W I Q V I T D I Y
UniRef90_C9RTU9 E T A L D K M A Y M L R R A
UniRef90_F7UMM5 D C L A D G C R Q A I E A V Y P P
UniRef90_Q8YX43 E S V S D G W V E V I K E I Y
UniRef90_W1U327 D N V I P E L V K I C N K E F
UniRef90_A0A038GT51 E V C V A G I S R A L N E A Y D
UniRef90_Q2JLM0 E S M S D G W V R L I R D
UniRef90_K9SMJ0 E S L A D G W A E L I K D I Y
UniRef90_B0JHT2 E S V A N G W V Q V I A D V Y
UniRef90_G6FRH1 E S L A N G W V Q T I K D I Y
UniRef90_R5QDA9 E Q F T E N I S A V I E E
UniRef90_X5LK79 E W M V D R L V A I L D E E F
UniRef90_K9UPX7 D L A V K D L T A G Y L E
UniRef90_L0K433 D D V L E T L A Q G I H D E W
UniRef90_V6MER5 A A A V D G L V E F I Q
UniRef90_S7UYF6 T I M I A H L T A F V E E
UniRef90_UPI0003646280 D L M I L H M I R F V E
UniRef90_K9TU09 A S V A D G W V R V I A D I Y
UniRef90_V4ZKA6 E T I A D T Y A A D V R
UniRef90_D3ECC7 E R S L E V M A D M V L R A
UniRef90_D5ELF5 E T M L T T L V E R V E R E T P P
UniRef90_F5T166 S W M C E D L S Q L V M K E Q P P
UniRef90_UPI0003454F46 A S L A D G W V K A I G D I Y
UniRef90_E7QV00 E A A T E Q L V Q L L
UniRef90_UPI000372718D Q L A V K E I S R
UniRef90_UPI00046E709F A A A V E D V I E D Y R R F I A P
UniRef90_G5IBB7 D N W M R Q M C R L V T D
UniRef90_K8GIZ9 E S L A N G W I R T I Q D I Y
UniRef90_UPI000301778B E S S I Q S A V R L I N E I I P
UniRef90_R9KUA6 D V A V R N M V A A I E N E F
UniRef90_K2JK44 E A S A S D V I E D Y R R
UniRef90_K9TGF4 D L A V Q E L T R S Y L E
UniRef90_M1XKY8 E A A T E Q L V K L
UniRef90_Q18J78 E S A T E Q L V K L C R
UniRef90_F4XUP8 E L A V K E L S
UniRef90_B7K0E4 E L A V K E L S N S Y L E
UniRef90_K9YFT7 E R A V K A L S E
UniRef90_X1TF10 N A M V E G L R K I I I D
UniRef90_U9VWE9 A D V A A G W V T V L E E I Y P P
UniRef90_D7E4Z4 D L A V E E L S E F V K E E
UniRef90_UPI0003B6609A E S A A S S L A R V F R
UniRef90_G2JWX5 E L F A E K M T A L L L E G Y
UniRef90_Q7VDV4 D K A A S A L S N D L I D
UniRef90_Q2PXY7 A H A A D G I V A A L E
UniRef90_B8ENJ9 D Y G A T A F V E L L Q D
UniRef90_R6S5K3 Q S F V G S I V D G L K E
UniRef90_A0A015MCK3 E T A L D R L A R A V K D V L
UniRef90_G4RN63 E A A V E E L V A L V E D
UniRef90_L9XJA1 D T A V S E L C R L V
UniRef90_A9BDK2 D K A A I A L T E D L
UniRef90_F8JAV9 S W M V D D L S Q T I E K E A P P
UniRef90_UPI0004232A58 D A A V E A I A
UniRef90_T0JY27 K H L V N H L I Q V I
UniRef90_B4WQL1 N S V S A G W V K V F E E I Y

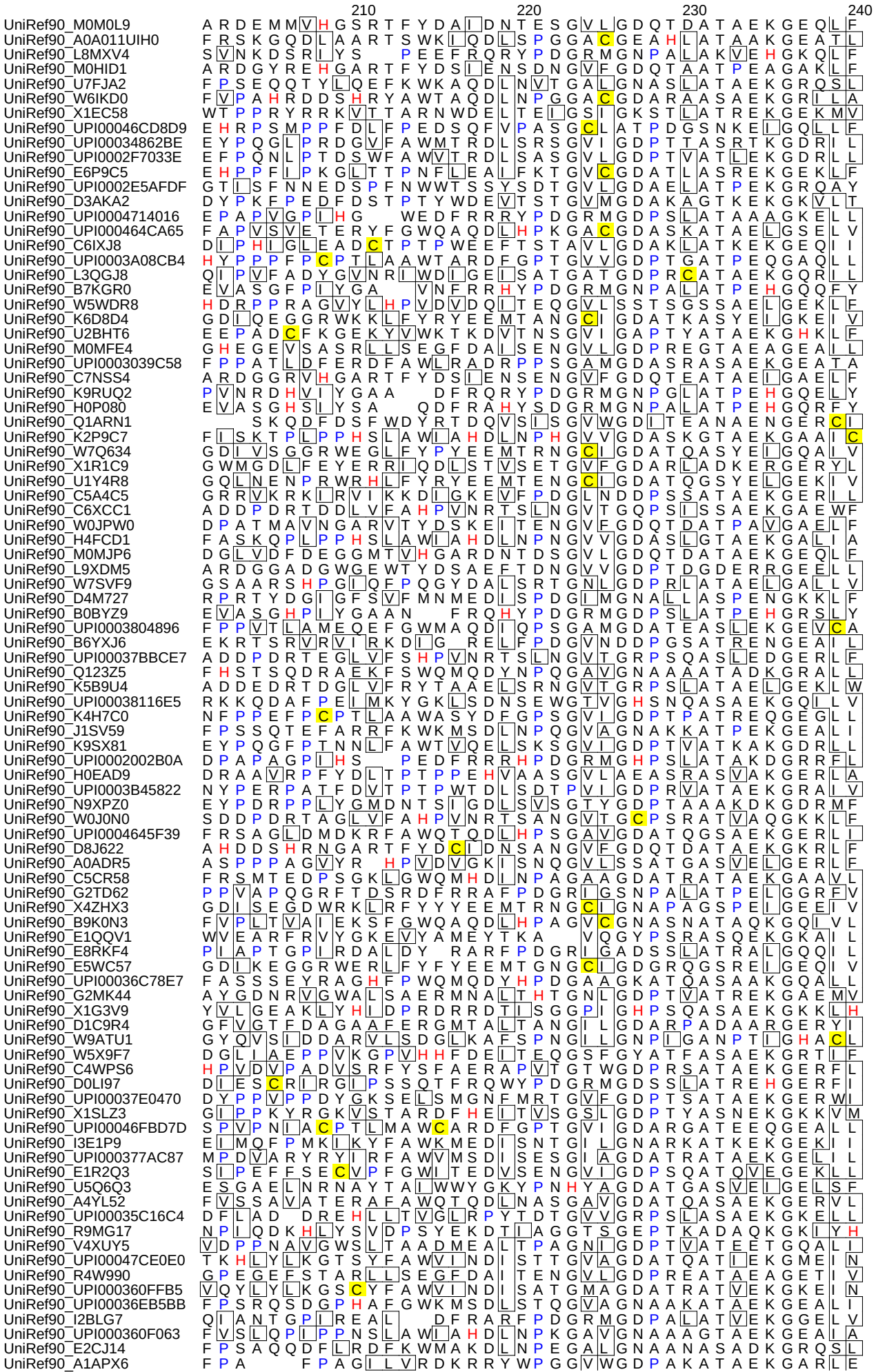

1
10
20
30
40
UniRef90_M0M0L9
UniRef90_A0A011UIH0
UniRef90_L8MXV4
UniRef90_M0HID1
UniRef90_U7FJA2
UniRef90_W6IKD0
UniRef90_X1EC58
UniRef90_UPI00046CD8D9
UniRef90_UPI00034862BE
UniRef90_UPI0002F7033E
UniRef90_E6P9C5
UniRef90_UPI0002E5AFDF
UniRef90_D3AKA2
UniRef90_UPI0004714016
UniRef90_UPI000464CA65
UniRef90_C6IXJ8
UniRef90_UPI0003A08CB4
UniRef90_L3QGJ8
UniRef90_B7KGR0
UniRef90_W5WDR8
UniRef90_K6D8D4
UniRef90_U2BHT6
UniRef90_M0MFE4
UniRef90_UPI0003039C58
UniRef90_C7NSS4
UniRef90_K9RUQ2
UniRef90_H0P080
UniRef90_Q1ARN1
UniRef90_K2P9C7
UniRef90_W7Q634
UniRef90_X1R1C9
UniRef90_U1Y4R8
UniRef90_C5A4C5
UniRef90_C6XCC1
UniRef90_W0JPW0
UniRef90_H4FCD1
UniRef90_M0MJP6
UniRef90_L9XDM5
UniRef90_W7SVF9
UniRef90_D4M727
UniRef90_B0BYZ9
UniRef90_UPI0003804896
UniRef90_B6YXJ6
UniRef90_UPI00037BBCE7
UniRef90_Q123Z5
UniRef90_K5B9U4
UniRef90_UPI00038116E5
UniRef90_K4H7C0
UniRef90_J1SV59
UniRef90_K9SX81
UniRef90_UPI0002002B0A
UniRef90_H0EAD9
UniRef90_UPI0003B45822
UniRef90_N9XPZ0
UniRef90_W0J0N0
UniRef90_UPI0004645F39
UniRef90_D8J622
UniRef90_A0ADR5
UniRef90_C5CR58
UniRef90_G2TD62
UniRef90_X4ZHX3
UniRef90_B9K0N3
UniRef90_E1QQV1
UniRef90_E8RKF4
UniRef90_E5WC57
UniRef90_UPI00036C78E7
UniRef90_G2MK44
UniRef90_X1G3V9
UniRef90_D1C9R4
UniRef90_W9ATU1
UniRef90_W5X9F7
UniRef90_C4WPS6
UniRef90_D0LI97
UniRef90_UPI00037E0470
UniRef90_X1SLZ3
UniRef90_UPI00046FBD7D
UniRef90_I3E1P9
UniRef90_UPI000377AC87
UniRef90_E1R2Q3
UniRef90_U5Q6Q3
UniRef90_A4YL52
UniRef90_UPI00035C16C4
UniRef90_R9MG17
UniRef90_V4XUY5
UniRef90_UPI00047CE0E0
UniRef90_R4W990
UniRef90_UPI000360FFB5
UniRef90_UPI00036EB5BB
UniRef90_I2BLG7
UniRef90_UPI000360F063
UniRef90_E2CJ14
UniRef90_A1APX6

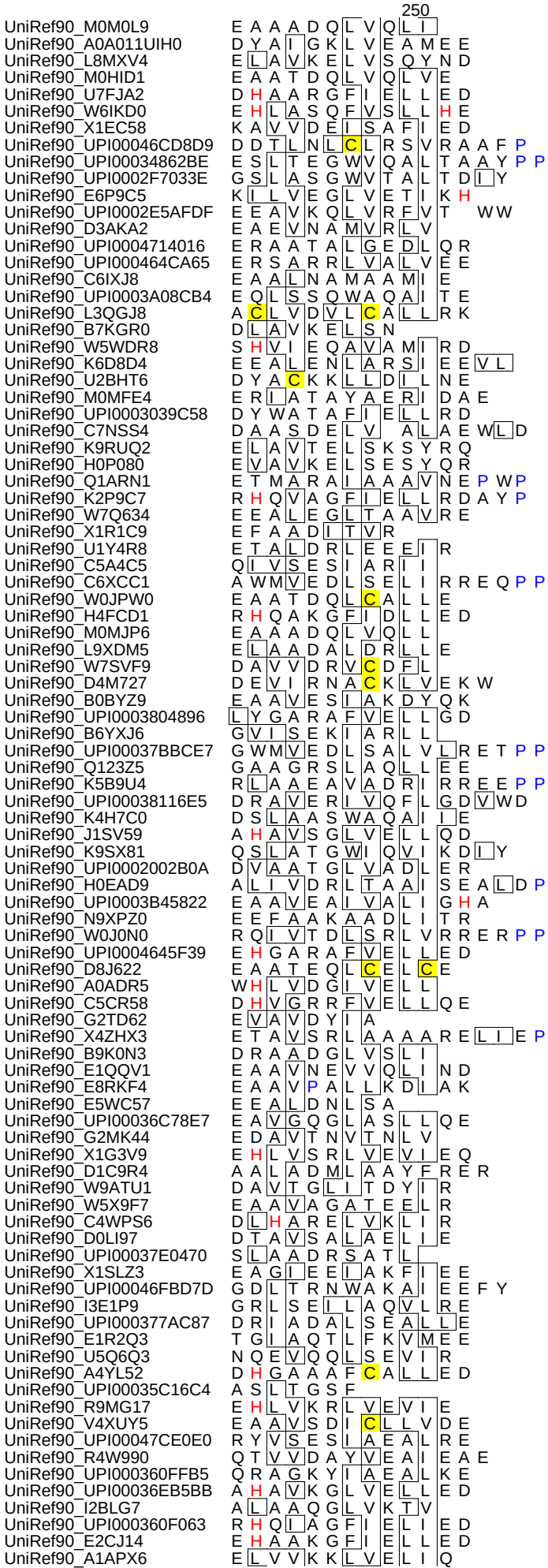

50
60
70
80
UniRef90_M0M0L9
UniRef90_A0A011UIH0
UniRef90_L8MXV4
UniRef90_M0HID1
UniRef90_U7FJA2
UniRef90_W6IKD0
UniRef90_X1EC58
UniRef90_UPI00046CD8D9
UniRef90_UPI00034862BE
UniRef90_UPI0002F7033E
UniRef90_E6P9C5
UniRef90_UPI0002E5AFDF
UniRef90_D3AKA2
UniRef90_UPI0004714016
UniRef90_UPI000464CA65
UniRef90_C6IXJ8
UniRef90_UPI0003A08CB4
UniRef90_L3QGJ8
UniRef90_B7KGR0
UniRef90_W5WDR8
UniRef90_K6D8D4
UniRef90_U2BHT6
UniRef90_M0MFE4
UniRef90_UPI0003039C58
UniRef90_C7NSS4
UniRef90_K9RUQ2
UniRef90_H0P080
UniRef90_Q1ARN1
UniRef90_K2P9C7
UniRef90_W7Q634
UniRef90_X1R1C9
UniRef90_U1Y4R8
UniRef90_C5A4C5
UniRef90_C6XCC1
UniRef90_W0JPW0
UniRef90_H4FCD1
UniRef90_M0MJP6
UniRef90_L9XDM5
UniRef90_W7SVF9
UniRef90_D4M727
UniRef90_B0BYZ9
UniRef90_UPI0003804896
UniRef90_B6YXJ6
UniRef90_UPI00037BBCE7
UniRef90_Q123Z5
UniRef90_K5B9U4
UniRef90_UPI00038116E5
UniRef90_K4H7C0
UniRef90_J1SV59
UniRef90_K9SX81
UniRef90_UPI0002002B0A
UniRef90_H0EAD9
UniRef90_UPI0003B45822
UniRef90_N9XPZ0
UniRef90_W0J0N0
UniRef90_UPI0004645F39
UniRef90_D8J622
UniRef90_A0ADR5
UniRef90_C5CR58
UniRef90_G2TD62
UniRef90_X4ZHX3
UniRef90_B9K0N3
UniRef90_E1QQV1
UniRef90_E8RKF4
UniRef90_E5WC57
UniRef90_UPI00036C78E7
UniRef90_G2MK44
UniRef90_X1G3V9
UniRef90_D1C9R4
UniRef90_W9ATU1
UniRef90_W5X9F7
UniRef90_C4WPS6
UniRef90_D0LI97
UniRef90_UPI00037E0470
UniRef90_X1SLZ3
UniRef90_UPI00046FBD7D
UniRef90_I3E1P9
UniRef90_UPI000377AC87
UniRef90_E1R2Q3
UniRef90_U5Q6Q3
UniRef90_A4YL52
UniRef90_UPI00035C16C4
UniRef90_R9MG17
UniRef90_V4XUY5
UniRef90_UPI00047CE0E0
UniRef90_R4W990
UniRef90_UPI000360FFB5
UniRef90_UPI00036EB5BB
UniRef90_I2BLG7
UniRef90_UPI000360F063
UniRef90_E2CJ14
UniRef90_A1APX6

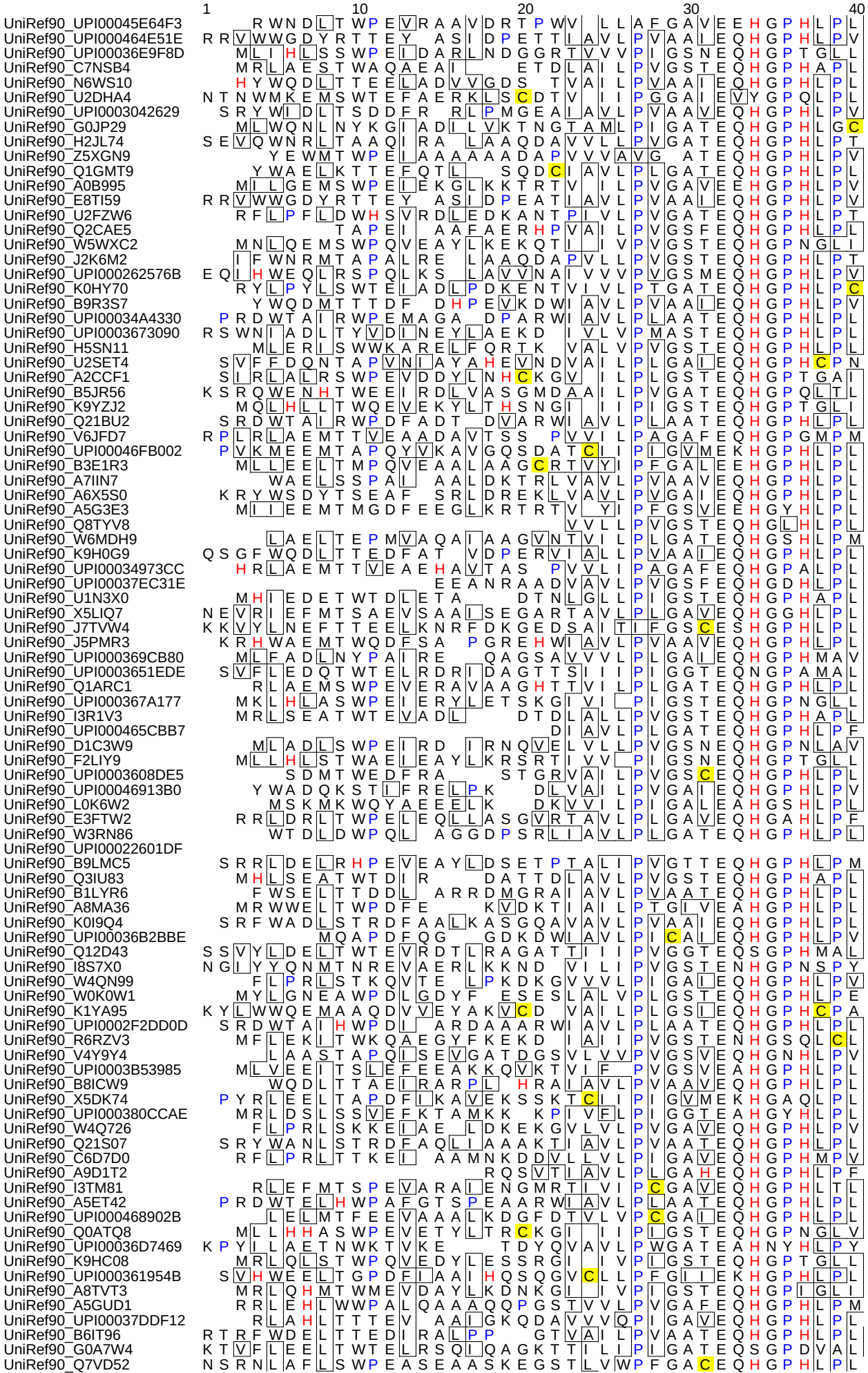

90
100
110
120
UniRef90_M0M0L9
UniRef90_A0A011UIH0
UniRef90_L8MXV4
UniRef90_M0HID1
UniRef90_U7FJA2
UniRef90_W6IKD0
UniRef90_X1EC58
UniRef90_UPI00046CD8D9
UniRef90_UPI00034862BE
UniRef90_UPI0002F7033E
UniRef90_E6P9C5
UniRef90_UPI0002E5AFDF
UniRef90_D3AKA2
UniRef90_UPI0004714016
UniRef90_UPI000464CA65
UniRef90_C6IXJ8
UniRef90_UPI0003A08CB4
UniRef90_L3QGJ8
UniRef90_B7KGR0
UniRef90_W5WDR8
UniRef90_K6D8D4
UniRef90_U2BHT6
UniRef90_M0MFE4
UniRef90_UPI0003039C58
UniRef90_C7NSS4
UniRef90_K9RUQ2
UniRef90_H0P080
UniRef90_Q1ARN1
UniRef90_K2P9C7
UniRef90_W7Q634
UniRef90_X1R1C9
UniRef90_U1Y4R8
UniRef90_C5A4C5
UniRef90_C6XCC1
UniRef90_W0JPW0
UniRef90_H4FCD1
UniRef90_M0MJP6
UniRef90_L9XDM5
UniRef90_W7SVF9
UniRef90_D4M727
UniRef90_B0BYZ9
UniRef90_UPI0003804896
UniRef90_B6YXJ6
UniRef90_UPI00037BBCE7
UniRef90_Q123Z5
UniRef90_K5B9U4
UniRef90_UPI00038116E5
UniRef90_K4H7C0
UniRef90_J1SV59
UniRef90_K9SX81
UniRef90_UPI0002002B0A
UniRef90_H0EAD9
UniRef90_UPI0003B45822
UniRef90_N9XPZ0
UniRef90_W0J0N0
UniRef90_UPI0004645F39
UniRef90_D8J622
UniRef90_A0ADR5
UniRef90_C5CR58
UniRef90_G2TD62
UniRef90_X4ZHX3
UniRef90_B9K0N3
UniRef90_E1QQV1
UniRef90_E8RKF4
UniRef90_E5WC57
UniRef90_UPI00036C78E7
UniRef90_G2MK44
UniRef90_X1G3V9
UniRef90_D1C9R4
UniRef90_W9ATU1
UniRef90_W5X9F7
UniRef90_C4WPS6
UniRef90_D0LI97
UniRef90_UPI00037E0470
UniRef90_X1SLZ3
UniRef90_UPI00046FBD7D
UniRef90_I3E1P9
UniRef90_UPI000377AC87
UniRef90_E1R2Q3
UniRef90_U5Q6Q3
UniRef90_A4YL52
UniRef90_UPI00035C16C4
UniRef90_R9MG17
UniRef90_V4XUY5
UniRef90_UPI00047CE0E0
UniRef90_R4W990
UniRef90_UPI000360FFB5
UniRef90_UPI00036EB5BB
UniRef90_I2BLG7
UniRef90_UPI000360F063
UniRef90_E2CJ14
UniRef90_A1APX6

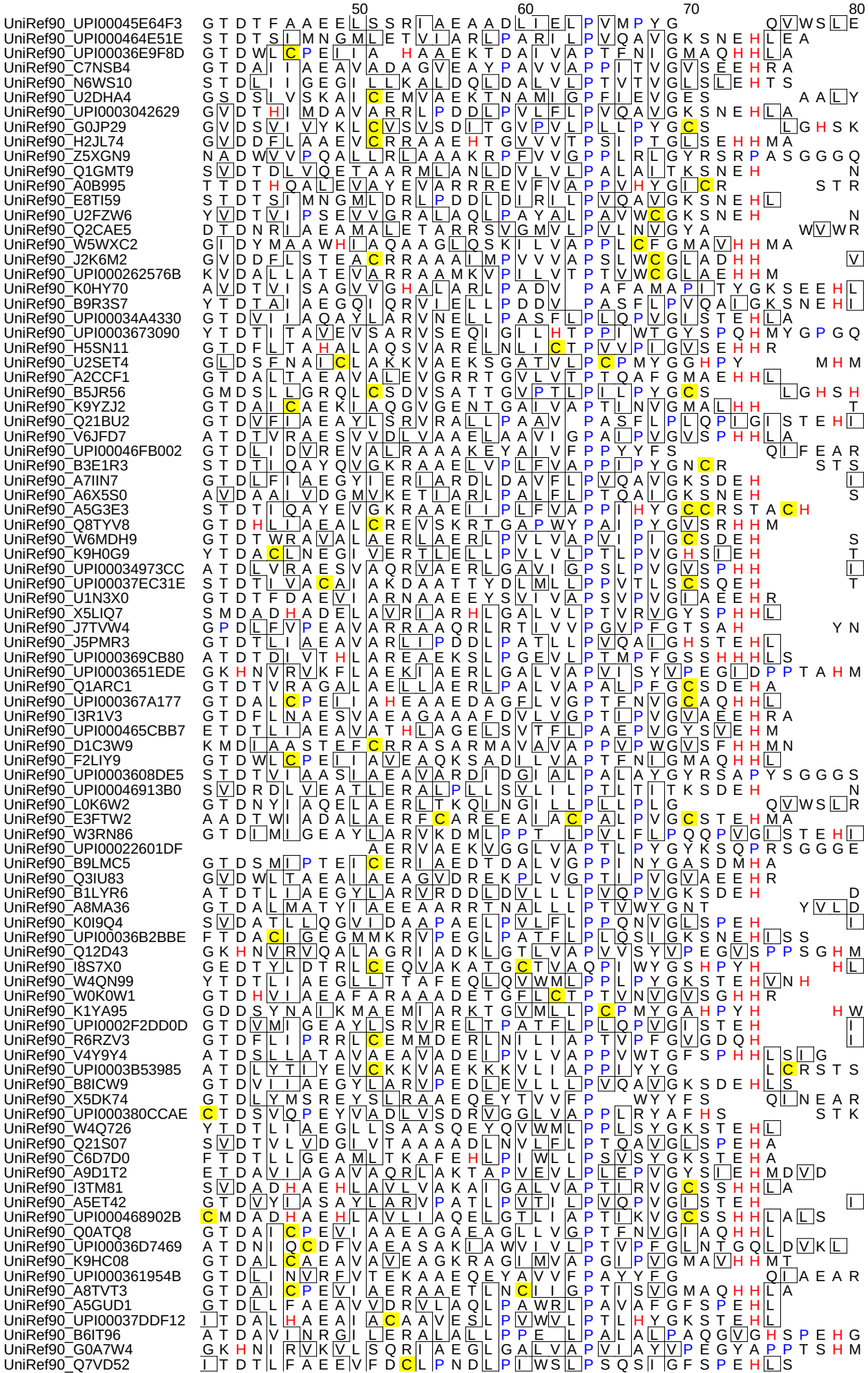

130
140
150
160
UniRef90_M0M0L9
UniRef90_A0A011UIH0
UniRef90_L8MXV4
UniRef90_M0HID1
UniRef90_U7FJA2
UniRef90_W6IKD0
UniRef90_X1EC58
UniRef90_UPI00046CD8D9
UniRef90_UPI00034862BE
UniRef90_UPI0002F7033E
UniRef90_E6P9C5
UniRef90_UPI0002E5AFDF
UniRef90_D3AKA2
UniRef90_UPI0004714016
UniRef90_UPI000464CA65
UniRef90_C6IXJ8
UniRef90_UPI0003A08CB4
UniRef90_L3QGJ8
UniRef90_B7KGR0
UniRef90_W5WDR8
UniRef90_K6D8D4
UniRef90_U2BHT6
UniRef90_M0MFE4
UniRef90_UPI0003039C58
UniRef90_C7NSS4
UniRef90_K9RUQ2
UniRef90_H0P080
UniRef90_Q1ARN1
UniRef90_K2P9C7
UniRef90_W7Q634
UniRef90_X1R1C9
UniRef90_U1Y4R8
UniRef90_C5A4C5
UniRef90_C6XCC1
UniRef90_W0JPW0
UniRef90_H4FCD1
UniRef90_M0MJP6
UniRef90_L9XDM5
UniRef90_W7SVF9
UniRef90_D4M727
UniRef90_B0BYZ9
UniRef90_UPI0003804896
UniRef90_B6YXJ6
UniRef90_UPI00037BBCE7
UniRef90_Q123Z5
UniRef90_K5B9U4
UniRef90_UPI00038116E5
UniRef90_K4H7C0
UniRef90_J1SV59
UniRef90_K9SX81
UniRef90_UPI0002002B0A
UniRef90_H0EAD9
UniRef90_UPI0003B45822
UniRef90_N9XPZ0
UniRef90_W0J0N0
UniRef90_UPI0004645F39
UniRef90_D8J622
UniRef90_A0ADR5
UniRef90_C5CR58
UniRef90_G2TD62
UniRef90_X4ZHX3
UniRef90_B9K0N3
UniRef90_E1QQV1
UniRef90_E8RKF4
UniRef90_E5WC57
UniRef90_UPI00036C78E7
UniRef90_G2MK44
UniRef90_X1G3V9
UniRef90_D1C9R4
UniRef90_W9ATU1
UniRef90_W5X9F7
UniRef90_C4WPS6
UniRef90_D0LI97
UniRef90_UPI00037E0470
UniRef90_X1SLZ3
UniRef90_UPI00046FBD7D
UniRef90_I3E1P9
UniRef90_UPI000377AC87
UniRef90_E1R2Q3
UniRef90_U5Q6Q3
UniRef90_A4YL52
UniRef90_UPI00035C16C4
UniRef90_R9MG17
UniRef90_V4XUY5
UniRef90_UPI00047CE0E0
UniRef90_R4W990
UniRef90_UPI000360FFB5
UniRef90_UPI00036EB5BB
UniRef90_I2BLG7
UniRef90_UPI000360F063
UniRef90_E2CJ14
UniRef90_A1APX6

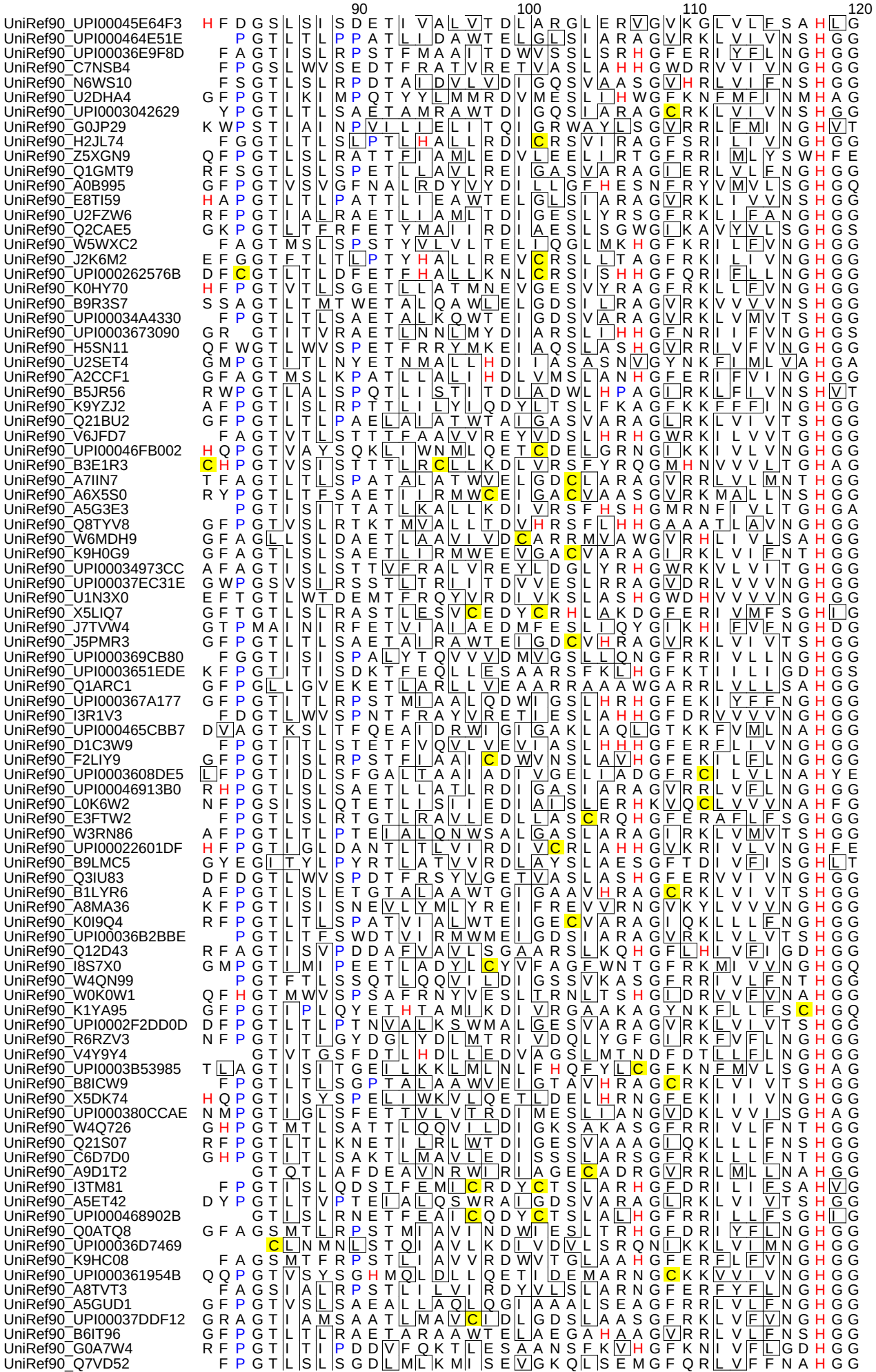

170
180
190
200
UniRef90_M0M0L9
UniRef90_A0A011UIH0
UniRef90_L8MXV4
UniRef90_M0HID1
UniRef90_U7FJA2
UniRef90_W6IKD0
UniRef90_X1EC58
UniRef90_UPI00046CD8D9
UniRef90_UPI00034862BE
UniRef90_UPI0002F7033E
UniRef90_E6P9C5
UniRef90_UPI0002E5AFDF
UniRef90_D3AKA2
UniRef90_UPI0004714016
UniRef90_UPI000464CA65
UniRef90_C6IXJ8
UniRef90_UPI0003A08CB4
UniRef90_L3QGJ8
UniRef90_B7KGR0
UniRef90_W5WDR8
UniRef90_K6D8D4
UniRef90_U2BHT6
UniRef90_M0MFE4
UniRef90_UPI0003039C58
UniRef90_C7NSS4
UniRef90_K9RUQ2
UniRef90_H0P080
UniRef90_Q1ARN1
UniRef90_K2P9C7
UniRef90_W7Q634
UniRef90_X1R1C9
UniRef90_U1Y4R8
UniRef90_C5A4C5
UniRef90_C6XCC1
UniRef90_W0JPW0
UniRef90_H4FCD1
UniRef90_M0MJP6
UniRef90_L9XDM5
UniRef90_W7SVF9
UniRef90_D4M727
UniRef90_B0BYZ9
UniRef90_UPI0003804896
UniRef90_B6YXJ6
UniRef90_UPI00037BBCE7
UniRef90_Q123Z5
UniRef90_K5B9U4
UniRef90_UPI00038116E5
UniRef90_K4H7C0
UniRef90_J1SV59
UniRef90_K9SX81
UniRef90_UPI0002002B0A
UniRef90_H0EAD9
UniRef90_UPI0003B45822
UniRef90_N9XPZ0
UniRef90_W0J0N0
UniRef90_UPI0004645F39
UniRef90_D8J622
UniRef90_A0ADR5
UniRef90_C5CR58
UniRef90_G2TD62
UniRef90_X4ZHX3
UniRef90_B9K0N3
UniRef90_E1QQV1
UniRef90_E8RKF4
UniRef90_E5WC57
UniRef90_UPI00036C78E7
UniRef90_G2MK44
UniRef90_X1G3V9
UniRef90_D1C9R4
UniRef90_W9ATU1
UniRef90_W5X9F7
UniRef90_C4WPS6
UniRef90_D0LI97
UniRef90_UPI00037E0470
UniRef90_X1SLZ3
UniRef90_UPI00046FBD7D
UniRef90_I3E1P9
UniRef90_UPI000377AC87
UniRef90_E1R2Q3
UniRef90_U5Q6Q3
UniRef90_A4YL52
UniRef90_UPI00035C16C4
UniRef90_R9MG17
UniRef90_V4XUY5
UniRef90_UPI00047CE0E0
UniRef90_R4W990
UniRef90_UPI000360FFB5
UniRef90_UPI00036EB5BB
UniRef90_I2BLG7
UniRef90_UPI000360F063
UniRef90_E2CJ14
UniRef90_A1APX6

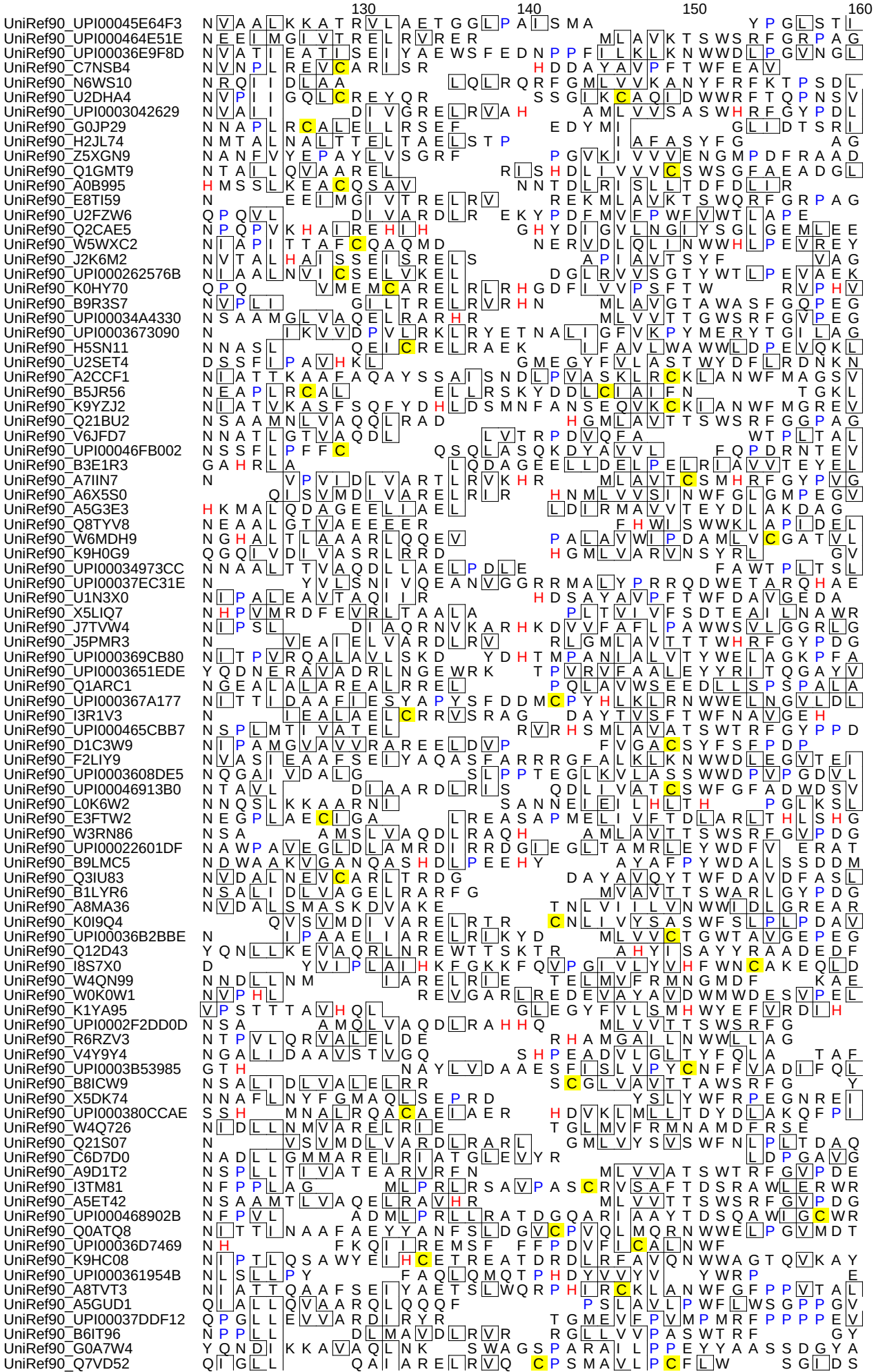

210
220
230
240
UniRef90_M0M0L9
UniRef90_A0A011UIH0
UniRef90_L8MXV4
UniRef90_M0HID1
UniRef90_U7FJA2
UniRef90_W6IKD0
UniRef90_X1EC58
UniRef90_UPI00046CD8D9
UniRef90_UPI00034862BE
UniRef90_UPI0002F7033E
UniRef90_E6P9C5
UniRef90_UPI0002E5AFDF
UniRef90_D3AKA2
UniRef90_UPI0004714016
UniRef90_UPI000464CA65
UniRef90_C6IXJ8
UniRef90_UPI0003A08CB4
UniRef90_L3QGJ8
UniRef90_B7KGR0
UniRef90_W5WDR8
UniRef90_K6D8D4
UniRef90_U2BHT6
UniRef90_M0MFE4
UniRef90_UPI0003039C58
UniRef90_C7NSS4
UniRef90_K9RUQ2
UniRef90_H0P080
UniRef90_Q1ARN1
UniRef90_K2P9C7
UniRef90_W7Q634
UniRef90_X1R1C9
UniRef90_U1Y4R8
UniRef90_C5A4C5
UniRef90_C6XCC1
UniRef90_W0JPW0
UniRef90_H4FCD1
UniRef90_M0MJP6
UniRef90_L9XDM5
UniRef90_W7SVF9
UniRef90_D4M727
UniRef90_B0BYZ9
UniRef90_UPI0003804896
UniRef90_B6YXJ6
UniRef90_UPI00037BBCE7
UniRef90_Q123Z5
UniRef90_K5B9U4
UniRef90_UPI00038116E5
UniRef90_K4H7C0
UniRef90_J1SV59
UniRef90_K9SX81
UniRef90_UPI0002002B0A
UniRef90_H0EAD9
UniRef90_UPI0003B45822
UniRef90_N9XPZ0
UniRef90_W0J0N0
UniRef90_UPI0004645F39
UniRef90_D8J622
UniRef90_A0ADR5
UniRef90_C5CR58
UniRef90_G2TD62
UniRef90_X4ZHX3
UniRef90_B9K0N3
UniRef90_E1QQV1
UniRef90_E8RKF4
UniRef90_E5WC57
UniRef90_UPI00036C78E7
UniRef90_G2MK44
UniRef90_X1G3V9
UniRef90_D1C9R4
UniRef90_W9ATU1
UniRef90_W5X9F7
UniRef90_C4WPS6
UniRef90_D0LI97
UniRef90_UPI00037E0470
UniRef90_X1SLZ3
UniRef90_UPI00046FBD7D
UniRef90_I3E1P9
UniRef90_UPI000377AC87
UniRef90_E1R2Q3
UniRef90_U5Q6Q3
UniRef90_A4YL52
UniRef90_UPI00035C16C4
UniRef90_R9MG17
UniRef90_V4XUY5
UniRef90_UPI00047CE0E0
UniRef90_R4W990
UniRef90_UPI000360FFB5
UniRef90_UPI00036EB5BB
UniRef90_I2BLG7
UniRef90_UPI000360F063
UniRef90_E2CJ14
UniRef90_A1APX6

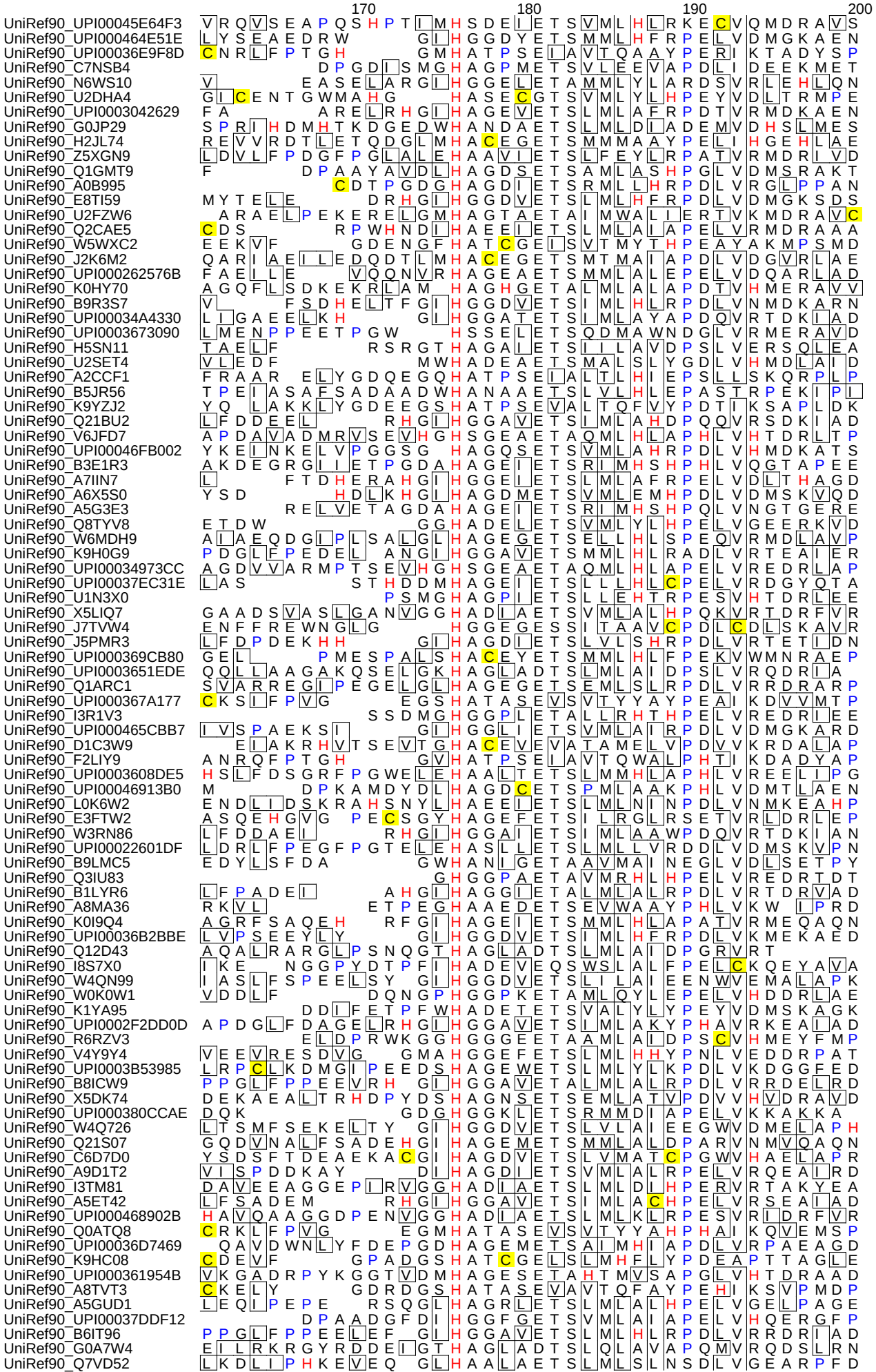

250
UniRef90_M0M0L9 E A A A D Q L V Q L I
UniRef90_A0A011UIH0 D Y A I G K L V E A M E E
UniRef90_L8MXV4 E L A V K E L V S Q Y N D
UniRef90_M0HID1 E A A T D Q L V Q L V E
UniRef90_U7FJA2 D H A A R G F I E L L E D
UniRef90_W6IKD0 E H L A S Q F V S L L H E
UniRef90_X1EC58 K A V V D E I S A F I E D
UniRef90_UPI00046CD8D9 D D T L N L C L R S V R A A F P
UniRef90_UPI00034862BE E S L T E G W V Q A L T A A Y P P
UniRef90_UPI0002F7033E G S L A S G W V T A L T D I Y
UniRef90_E6P9C5 K I L V E G L V E T I K H
UniRef90_UPI0002E5AFDF E E A V K Q L V R F V T W W
UniRef90_D3AKA2 E A E V N A M V R L V
UniRef90_UPI0004714016 E R A A T A L G E D L Q R
UniRef90_UPI000464CA65 E R S A R R L V A L V E E
UniRef90_C6IXJ8 E A A L N A M A A M I E
UniRef90_UPI0003A08CB4 E Q L S S Q W A Q A I T E
UniRef90_L3QGJ8 A C L V D V L C A L L R K
UniRef90_B7KGR0 D L A V K E L S N
UniRef90_W5WDR8 S H V I E Q A V A M I R D
UniRef90_K6D8D4 E E A L E N L A R S I E E V L
UniRef90_U2BHT6 D Y A C K K L L D I L N E
UniRef90_M0MFE4 E R I A T A Y A E R I D A E
UniRef90_UPI0003039C58 D Y W A T A F I E L L R D
UniRef90_C7NSS4 D A A S D E L V A L A E W L D
UniRef90_K9RUQ2 E L A V T E L S K S Y R Q
UniRef90_H0P080 E V A V K E L S E S Y Q R
UniRef90_Q1ARN1 E T M A R A I A A A V N E P W P
UniRef90_K2P9C7 R H Q V A G F I E L L R D A Y P
UniRef90_W7Q634 E E A L E G L T A A V R E
UniRef90_X1R1C9 E F A A D I T V R
UniRef90_U1Y4R8 E T A L D R L E E E I R
UniRef90_C5A4C5 Q I V S E S I A R I I
UniRef90_C6XCC1 A W M V E D L S E L I R R E Q P P
UniRef90_W0JPW0 E A A T D Q L C A L L E
UniRef90_H4FCD1 R H Q A K G F I D L L E D
UniRef90_M0MJP6 E A A A D Q L V Q L L
UniRef90_L9XDM5 E L A A D A L D R L L E
UniRef90_W7SVF9 D A V V D R V C D F L
UniRef90_D4M727 D E V I R N A C K L V E K W
UniRef90_B0BYZ9 E A A V E S I A K D Y Q K
UniRef90_UPI0003804896 L Y G A R A F V E L L G D
UniRef90_B6YXJ6 G V I S E K I A R L L
UniRef90_UPI00037BBCE7 G W M V E D L S A L V L R E T P P
UniRef90_Q123Z5 G A A G R S L A Q L L E E
UniRef90_K5B9U4 R L A A E A V A D R I R R E E P P
UniRef90_UPI00038116E5 D R A V E R I V Q F L G D V W D
UniRef90_K4H7C0 D S L A A S W A Q A I I E
UniRef90_J1SV59 A H A V S G L V E L L Q D
UniRef90_K9SX81 Q S L A T G W I Q V I K D I Y
UniRef90_UPI0002002B0A D V A A T G L V A D L E R
UniRef90_H0EAD9 A L I V D R L T A A I S E A L D P
UniRef90_UPI0003B45822 E A A V E A I V A L I G H A
UniRef90_N9XPZ0 E E F A A K A A D L I T R
UniRef90_W0J0N0 R Q I V T D L S R L V R R E R P P
UniRef90_UPI0004645F39 E H G A R A F V E L L E D
UniRef90_D8J622 E A A T E Q L C E L C E
UniRef90_A0ADR5 W H L V D G I V E L L
UniRef90_C5CR58 D H V G R R F V E L L Q E
UniRef90_G2TD62 E V A V D Y I A
UniRef90_X4ZHX3 E T A V S R L A A A A R E L I E P
UniRef90_B9K0N3 D R A A D G L V S L I
UniRef90_E1QQV1 E A A V N E V V Q L I N D
UniRef90_E8RKF4 E A A V P A L L K D I A K
UniRef90_E5WC57 E E A L D N L S A
UniRef90_UPI00036C78E7 E A V G Q G L A S L L Q E
UniRef90_G2MK44 E D A V T N V T N L V
UniRef90_X1G3V9 E H L V S R L V E V I E Q
UniRef90_D1C9R4 A A L A D M L A A Y F R E R
UniRef90_W9ATU1 D A V T G L I T D Y I R
UniRef90_W5X9F7 E A A V A G A T E E L R
UniRef90_C4WPS6 D L H A R E L V K L I R
UniRef90_D0LI97 D T A V S A L A E L I E
UniRef90_UPI00037E0470 S L A A D R S A T L
UniRef90_X1SLZ3 E A G I E E I A K F I E E
UniRef90_UPI00046FBD7D G D L T R N W A K A I E E F Y
UniRef90_I3E1P9 G R L S E I L A Q V L R E
UniRef90_UPI000377AC87 D R I A D A L S E A L L E
UniRef90_E1R2Q3 T G I A Q T L F K V M E E
UniRef90_U5Q6Q3 N Q E V Q Q L S E V I R
UniRef90_A4YL52 D H G A A A F C A L L E D
UniRef90_UPI00035C16C4 A S L T G S F
UniRef90_R9MG17 E H L V K R L V E V I E
UniRef90_V4XUY5 E A A V S D I C L L V D E
UniRef90_UPI00047CE0E0 R Y V S E S I A E A L R E
UniRef90_R4W990 Q T V V D A Y V E A I E A E
UniRef90_UPI000360FFB5 Q R A G K Y I A E A L K E
UniRef90_UPI00036EB5BB A H A V K G L V E L L E D
UniRef90_I2BLG7 A L A A Q G L V K T V
UniRef90_UPI000360F063 R H Q I A G F I E L I E D
UniRef90_E2CJ14 E H A A K G F I E L L E D
UniRef90_A1APX6 E L V V K K L V E L I Q

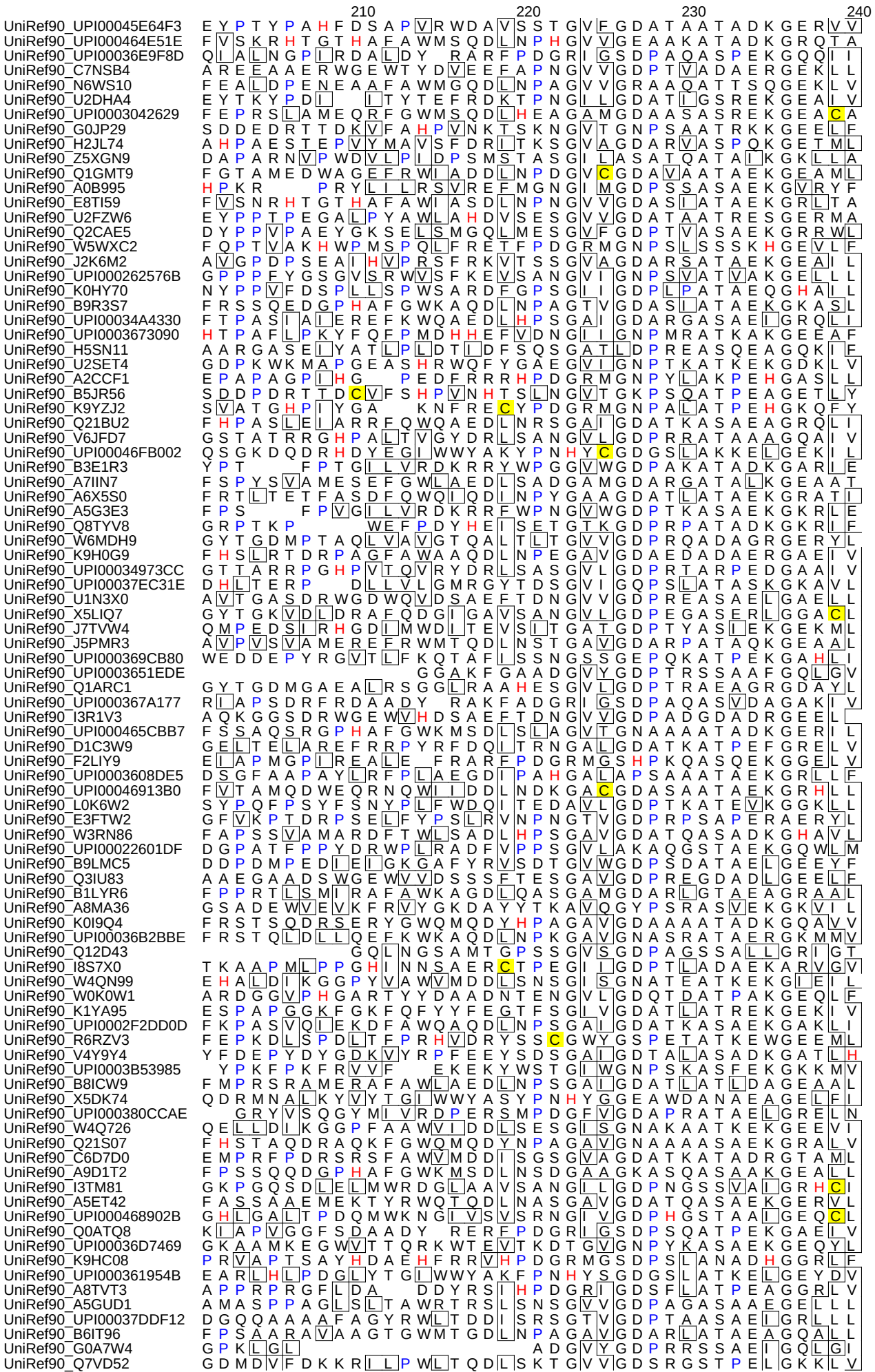

1
10
20
30
40
UniRef90_UPI00045E64F3
UniRef90_UPI000464E51E
UniRef90_UPI00036E9F8D
UniRef90_C7NSB4
UniRef90_N6WS10
UniRef90_U2DHA4
UniRef90_UPI0003042629
UniRef90_G0JP29
UniRef90_H2JL74
UniRef90_Z5XGN9
UniRef90_Q1GMT9
UniRef90_A0B995
UniRef90_E8TI59
UniRef90_U2FZW6
UniRef90_Q2CAE5
UniRef90_W5WXC2
UniRef90_J2K6M2
UniRef90_UPI000262576B
UniRef90_K0HY70
UniRef90_B9R3S7
UniRef90_UPI00034A4330
UniRef90_UPI0003673090
UniRef90_H5SN11
UniRef90_U2SET4
UniRef90_A2CCF1
UniRef90_B5JR56
UniRef90_K9YZJ2
UniRef90_Q21BU2
UniRef90_V6JFD7
UniRef90_UPI00046FB002
UniRef90_B3E1R3
UniRef90_A7IIN7
UniRef90_A6X5S0
UniRef90_A5G3E3
UniRef90_Q8TYV8
UniRef90_W6MDH9
UniRef90_K9H0G9
UniRef90_UPI00034973CC
UniRef90_UPI00037EC31E
UniRef90_U1N3X0
UniRef90_X5LIQ7
UniRef90_J7TVW4
UniRef90_J5PMR3
UniRef90_UPI000369CB80
UniRef90_UPI0003651EDE
UniRef90_Q1ARC1
UniRef90_UPI000367A177
UniRef90_I3R1V3
UniRef90_UPI000465CBB7
UniRef90_D1C3W9
UniRef90_F2LIY9
UniRef90_UPI0003608DE5
UniRef90_UPI000469613B0
UniRef90_L0K6W2
UniRef90_E3FTW2
UniRef90_W3RN86
UniRef90_UPI00022601DF
UniRef90_B9LMC5
UniRef90_Q3IU83
UniRef90_B1LYR6
UniRef90_A8MA36
UniRef90_K0I9Q4
UniRef90_UPI00036B2BBE
UniRef90_Q12D43
UniRef90_I8S7X0
UniRef90_W4QN99
UniRef90_W0K0W1
UniRef90_K1YA95
UniRef90_UPI0002F2DD0D
UniRef90_R6RZV3
UniRef90_V4Y9Y4
UniRef90_UPI0003B53985
UniRef90_B8ICW9
UniRef90_X5DK74
UniRef90_UPI000380CCAE
UniRef90_W4Q726
UniRef90_Q21S07
UniRef90_C6D7D0
UniRef90_A9D1T2
UniRef90_I3TM81
UniRef90_A5ET42
UniRef90_UPI000468902B
UniRef90_Q0ATQ8
UniRef90_UPI00036D7469
UniRef90_K9HC08
UniRef90_UPI000361954B
UniRef90_A8TVT3
UniRef90_A5GUD1
UniRef90_UPI00037DDF12
UniRef90_B6IT96
UniRef90_G0A7W4
UniRef90_Q7VD52

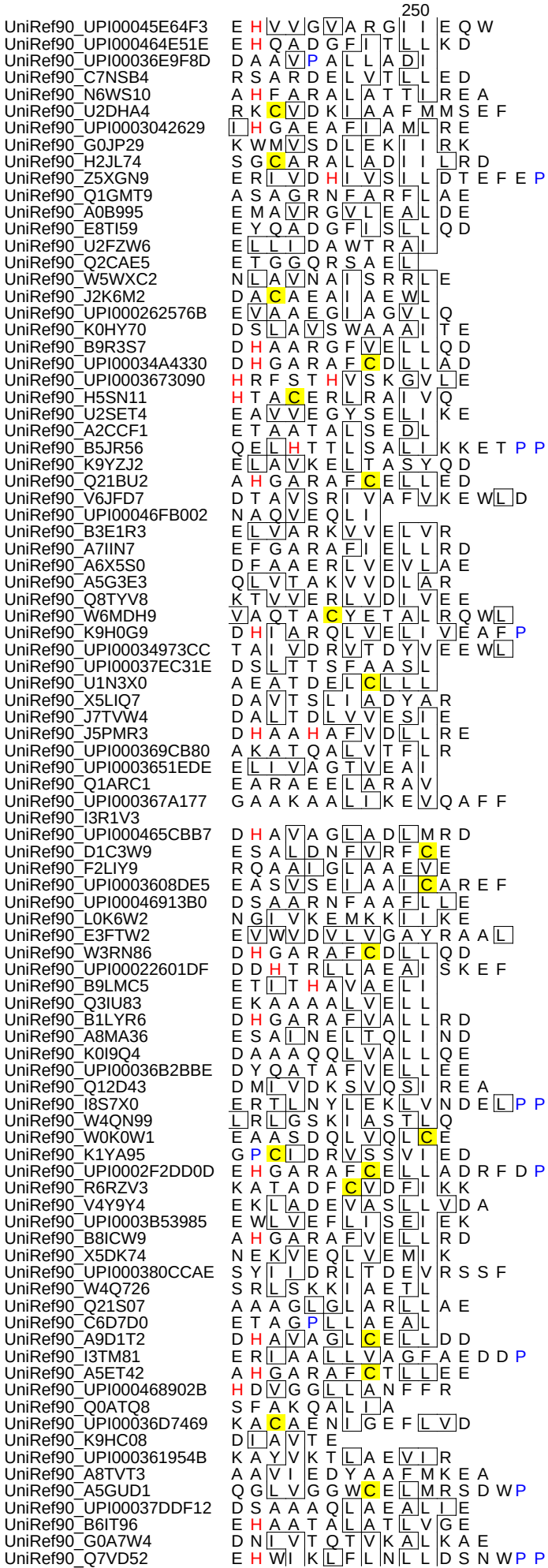

50
60
70
80
UniRef90_UPI00045E64F3
UniRef90_UPI000464E51E
UniRef90_UPI00036E9F8D
UniRef90_C7NSB4
UniRef90_N6WS10
UniRef90_U2DHA4
UniRef90_UPI0003042629
UniRef90_G0JP29
UniRef90_H2JL74
UniRef90_Z5XGN9
UniRef90_Q1GMT9
UniRef90_A0B995
UniRef90_E8TI59
UniRef90_U2FZW6
UniRef90_Q2CAE5
UniRef90_W5WXC2
UniRef90_J2K6M2
UniRef90_UPI000262576B
UniRef90_K0HY70
UniRef90_B9R3S7
UniRef90_UPI00034A4330
UniRef90_UPI0003673090
UniRef90_H5SN11
UniRef90_U2SET4
UniRef90_A2CCF1
UniRef90_B5JR56
UniRef90_K9YZJ2
UniRef90_Q21BU2
UniRef90_V6JFD7
UniRef90_UPI00046FB002
UniRef90_B3E1R3
UniRef90_A7IIN7
UniRef90_A6X5S0
UniRef90_A5G3E3
UniRef90_Q8TYV8
UniRef90_W6MDH9
UniRef90_K9H0G9
UniRef90_UPI00034973CC
UniRef90_UPI00037EC31E
UniRef90_U1N3X0
UniRef90_X5LIQ7
UniRef90_J7TVW4
UniRef90_J5PMR3
UniRef90_UPI000369CB80
UniRef90_UPI0003651EDE
UniRef90_Q1ARC1
UniRef90_UPI000367A177
UniRef90_I3R1V3
UniRef90_UPI000465CBB7
UniRef90_D1C3W9
UniRef90_F2LIY9
UniRef90_UPI0003608DE5
UniRef90_UPI00046913B0
UniRef90_L0K6W2
UniRef90_E3FTW2
UniRef90_W3RN86
UniRef90_UPI00022601DF
UniRef90_B9LMC5
UniRef90_Q3IU83
UniRef90_B1LYR6
UniRef90_A8MA36
UniRef90_K0I9Q4
UniRef90_UPI00036B2BBE
UniRef90_Q12D43
UniRef90_I8S7X0
UniRef90_W4QN99
UniRef90_W0K0W1
UniRef90_K1YA95
UniRef90_UPI0002F2DD0D
UniRef90_R6RZV3
UniRef90_V4Y9Y4
UniRef90_UPI0003B53985
UniRef90_B8ICW9
UniRef90_X5DK74
UniRef90_UPI000380CCAE
UniRef90_W4Q726
UniRef90_Q21S07
UniRef90_C6D7D0
UniRef90_A9D1T2
UniRef90_I3TM81
UniRef90_A5ET42
UniRef90_UPI000468902B
UniRef90_Q0ATQ8
UniRef90_UPI00036D7469
UniRef90_K9HC08
UniRef90_UPI000361954B
UniRef90_A8TVT3
UniRef90_A5GUD1
UniRef90_UPI00037DDF12
UniRef90_B6IT96
UniRef90_G0A7W4
UniRef90_Q7VD52

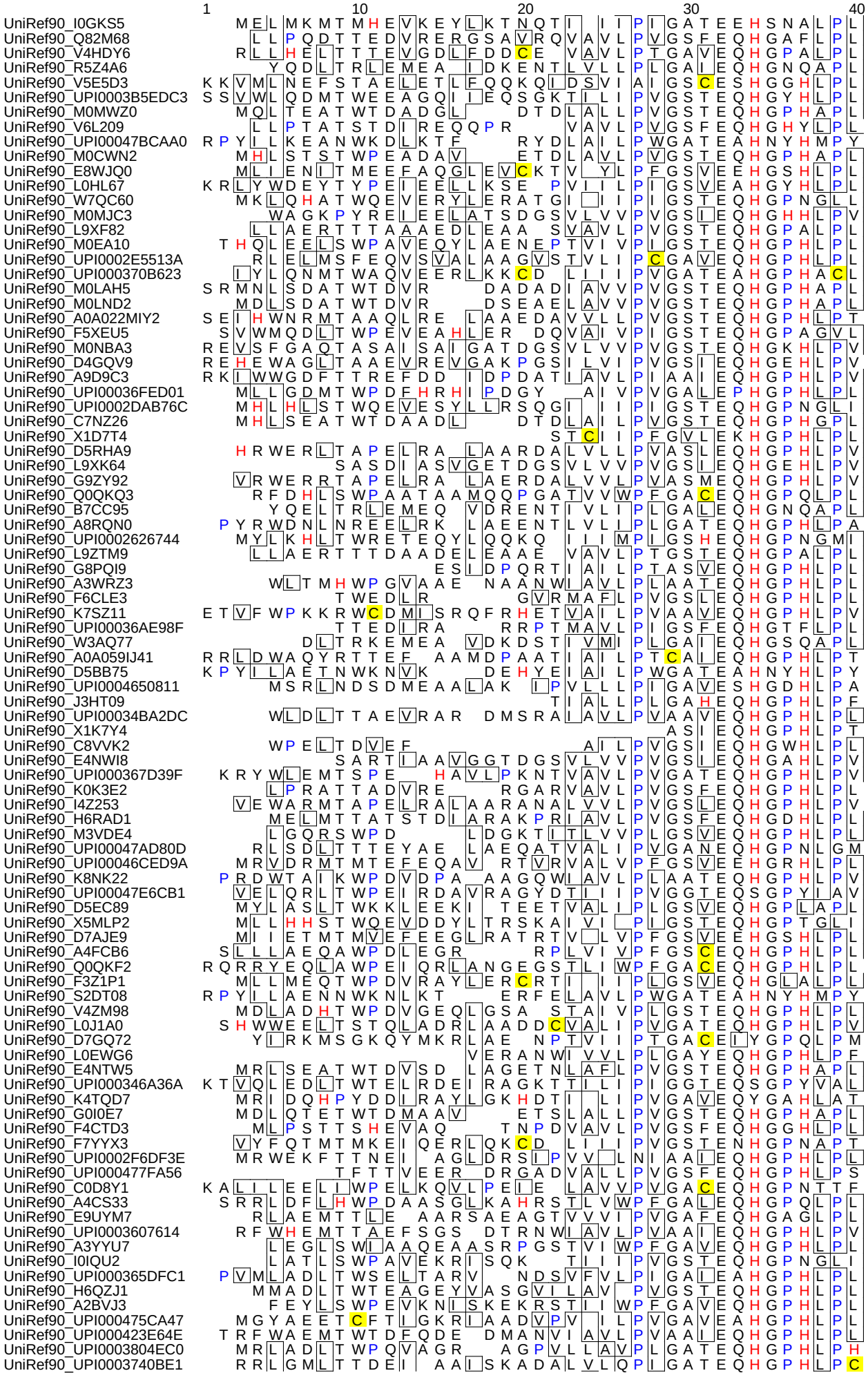

90
100
110
120
UniRef90_UPI00045E64F3
UniRef90_UPI000464E51E
UniRef90_UPI00036E9F8D
UniRef90_C7NSB4
UniRef90_N6WS10
UniRef90_U2DHA4
UniRef90_UPI0003042629
UniRef90_G0JP29
UniRef90_H2JL74
UniRef90_Z5XGN9
UniRef90_Q1GMT9
UniRef90_A0B995
UniRef90_E8TI59
UniRef90_U2FZW6
UniRef90_Q2CAE5
UniRef90_W5WXC2
UniRef90_J2K6M2
UniRef90_UPI000262576B
UniRef90_K0HY70
UniRef90_B9R3S7
UniRef90_UPI00034A4330
UniRef90_UPI0003673090
UniRef90_H5SN11
UniRef90_U2SET4
UniRef90_A2CCF1
UniRef90_B5JR56
UniRef90_K9YZJ2
UniRef90_Q21BU2
UniRef90_V6JFD7
UniRef90_UPI00046FB002
UniRef90_B3E1R3
UniRef90_A7IIN7
UniRef90_A6X5S0
UniRef90_A5G3E3
UniRef90_Q8TYV8
UniRef90_W6MDH9
UniRef90_K9H0G9
UniRef90_UPI00034973CC
UniRef90_UPI00037EC31E
UniRef90_U1N3X0
UniRef90_X5LIQ7
UniRef90_J7TVW4
UniRef90_J5PMR3
UniRef90_UPI000369CB80
UniRef90_UPI0003651EDE
UniRef90_Q1ARC1
UniRef90_UPI000367A177
UniRef90_I3R1V3
UniRef90_UPI000465CBB7
UniRef90_D1C3W9
UniRef90_F2LIY9
UniRef90_UPI0003608DE5
UniRef90_UPI00046913B0
UniRef90_L0K6W2
UniRef90_E3FTW2
UniRef90_W3RN86
UniRef90_UPI00022601DF
UniRef90_B9LMC5
UniRef90_Q3IU83
UniRef90_B1LYR6
UniRef90_A8MA36
UniRef90_K0I9Q4
UniRef90_UPI00036B2BBE
UniRef90_Q12D43
UniRef90_I8S7X0
UniRef90_W4QN99
UniRef90_W0K0W1
UniRef90_K1YA95
UniRef90_UPI0002F2DD0D
UniRef90_R6RZV3
UniRef90_V4Y9Y4
UniRef90_UPI0003B53985
UniRef90_B8ICW9
UniRef90_X5DK74
UniRef90_UPI000380CCAE
UniRef90_W4Q726
UniRef90_Q21S07
UniRef90_C6D7D0
UniRef90_A9D1T2
UniRef90_I3TM81
UniRef90_A5ET42
UniRef90_UPI000468902B
UniRef90_Q0ATQ8
UniRef90_UPI00036D7469
UniRef90_K9HC08
UniRef90_UPI000361954B
UniRef90_A8TVT3
UniRef90_A5GUD1
UniRef90_UPI00037DDF12
UniRef90_B6IT96
UniRef90_G0A7W4
UniRef90_Q7VD52

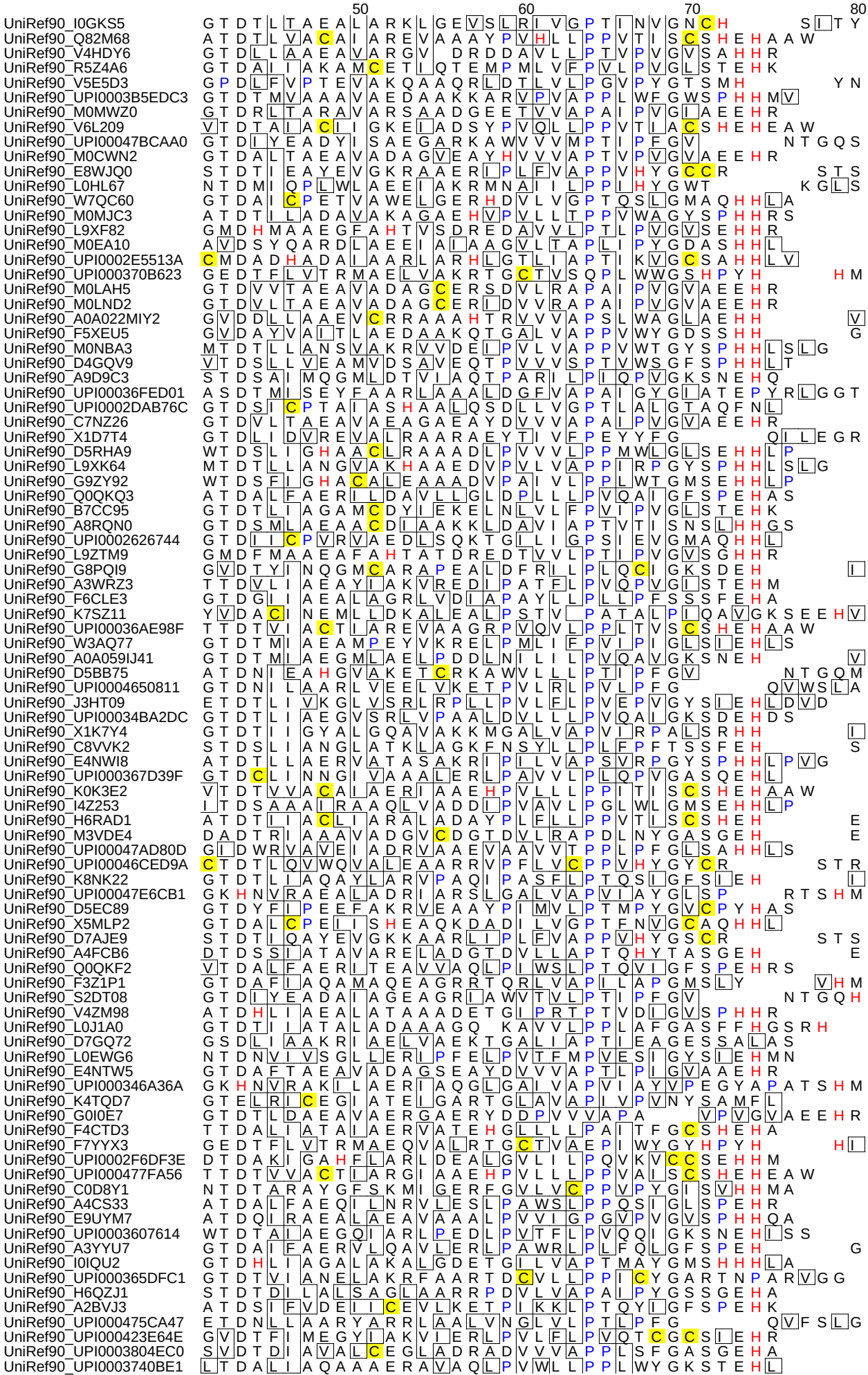

130
140
150
160
UniRef90_UPI00045E64F3
UniRef90_UPI000464E51E
UniRef90_UPI00036E9F8D
UniRef90_C7NSB4
UniRef90_N6WS10
UniRef90_U2DHA4
UniRef90_UPI0003042629
UniRef90_G0JP29
UniRef90_H2JL74
UniRef90_Z5XGN9
UniRef90_Q1GMT9
UniRef90_A0B995
UniRef90_E8TI59
UniRef90_U2FZW6
UniRef90_Q2CAE5
UniRef90_W5WXC2
UniRef90_J2K6M2
UniRef90_UPI000262576B
UniRef90_K0HY70
UniRef90_B9R3S7
UniRef90_UPI00034A4330
UniRef90_UPI0003673090
UniRef90_H5SN11
UniRef90_U2SET4
UniRef90_A2CCF1
UniRef90_B5JR56
UniRef90_K9YZJ2
UniRef90_Q21BU2
UniRef90_V6JFD7
UniRef90_UPI00046FB002
UniRef90_B3E1R3
UniRef90_A7IIN7
UniRef90_A6X5S0
UniRef90_A5G3E3
UniRef90_Q8TYV8
UniRef90_W6MDH9
UniRef90_K9H0G9
UniRef90_UPI00034973CC
UniRef90_UPI00037EC31E
UniRef90_U1N3X0
UniRef90_X5LIQ7
UniRef90_J7TVW4
UniRef90_J5PMR3
UniRef90_UPI000369CB80
UniRef90_UPI0003651EDE
UniRef90_Q1ARC1
UniRef90_UPI000367A177
UniRef90_I3R1V3
UniRef90_UPI000465CBB7
UniRef90_D1C3W9
UniRef90_F2LIY9
UniRef90_UPI0003608DE5
UniRef90_UPI00046913B0
UniRef90_L0K6W2
UniRef90_E3FTW2
UniRef90_W3RN86
UniRef90_UPI00022601DF
UniRef90_B9LMC5
UniRef90_Q3IU83
UniRef90_B1LYR6
UniRef90_A8MA36
UniRef90_K0I9Q4
UniRef90_UPI00036B2BBE
UniRef90_Q12D43
UniRef90_I8S7X0
UniRef90_W4QN99
UniRef90_W0K0W1
UniRef90_K1YA95
UniRef90_UPI0002F2DD0D
UniRef90_R6RZV3
UniRef90_V4Y9Y4
UniRef90_UPI0003B53985
UniRef90_B8ICW9
UniRef90_X5DK74
UniRef90_UPI000380CCAE
UniRef90_W4Q726
UniRef90_Q21S07
UniRef90_C6D7D0
UniRef90_A9D1T2
UniRef90_I3TM81
UniRef90_A5ET42
UniRef90_UPI000468902B
UniRef90_Q0ATQ8
UniRef90_UPI00036D7469
UniRef90_K9HC08
UniRef90_UPI000361954B
UniRef90_A8TVT3
UniRef90_A5GUD1
UniRef90_UPI00037DDF12
UniRef90_B6IT96
UniRef90_G0A7W4
UniRef90_Q7VD52

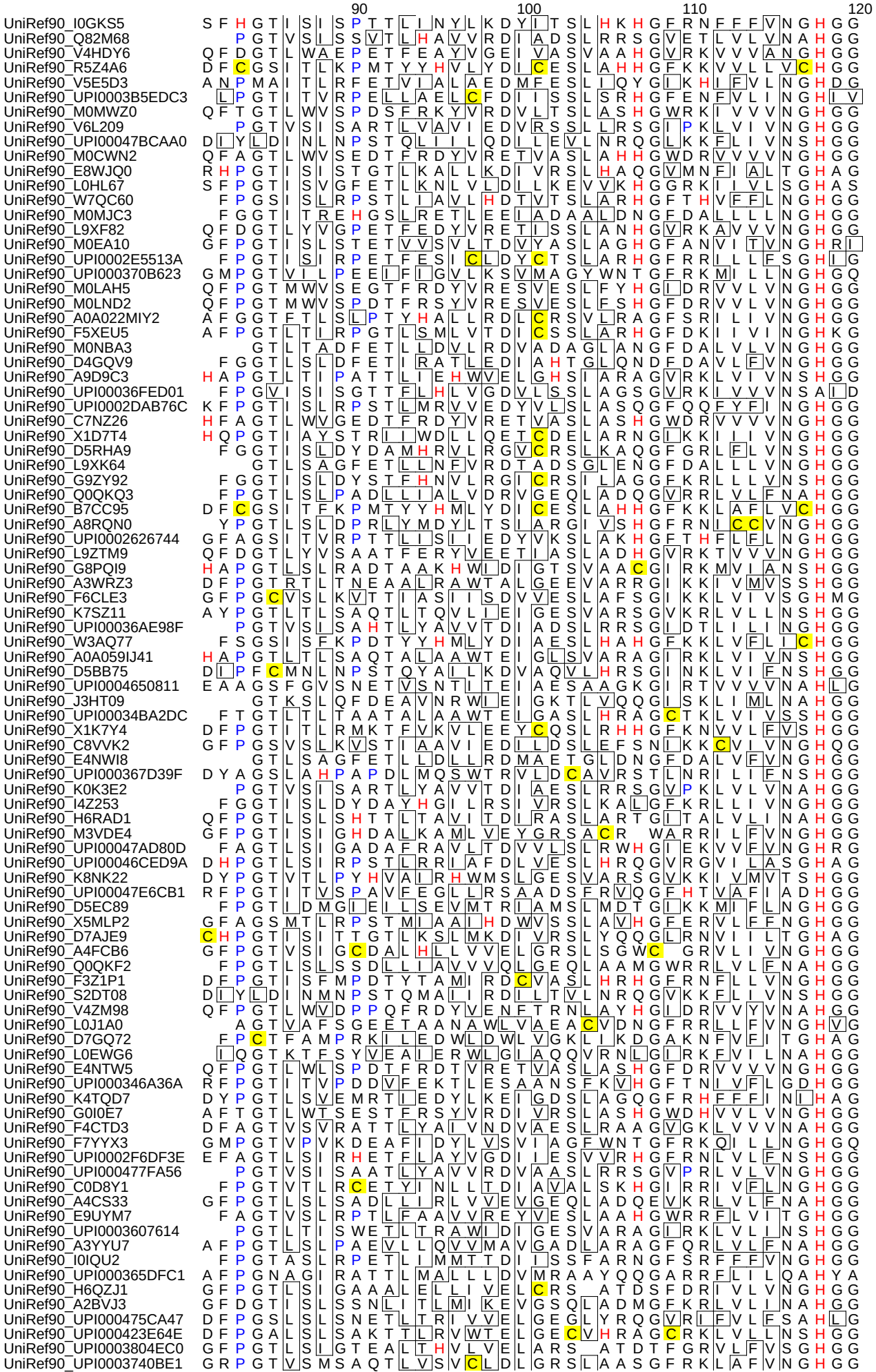

170
180
190
200
UniRef90_UPI00045E64F3
UniRef90_UPI000464E51E
UniRef90_UPI00036E9F8D
UniRef90_C7NSB4
UniRef90_N6WS10
UniRef90_U2DHA4
UniRef90_UPI0003042629
UniRef90_G0JP29
UniRef90_H2JL74
UniRef90_Z5XGN9
UniRef90_Q1GMT9
UniRef90_A0B995
UniRef90_E8TI59
UniRef90_U2FZW6
UniRef90_Q2CAE5
UniRef90_W5WXC2
UniRef90_J2K6M2
UniRef90_UPI000262576B
UniRef90_K0HY70
UniRef90_B9R3S7
UniRef90_UPI00034A4330
UniRef90_UPI0003673090
UniRef90_H5SN11
UniRef90_U2SET4
UniRef90_A2CCF1
UniRef90_B5JR56
UniRef90_K9YZJ2
UniRef90_Q21BU2
UniRef90_V6JFD7
UniRef90_UPI00046FB002
UniRef90_B3E1R3
UniRef90_A7IIN7
UniRef90_A6X5S0
UniRef90_A5G3E3
UniRef90_Q8TYV8
UniRef90_W6MDH9
UniRef90_K9H0G9
UniRef90_UPI00034973CC
UniRef90_UPI00037EC31E
UniRef90_U1N3X0
UniRef90_X5LIQ7
UniRef90_J7TVW4
UniRef90_J5PMR3
UniRef90_UPI000369CB80
UniRef90_UPI0003651EDE
UniRef90_Q1ARC1
UniRef90_UPI000367A177
UniRef90_I3R1V3
UniRef90_UPI000465CBB7
UniRef90_D1C3W9
UniRef90_F2LIY9
UniRef90_UPI0003608DE5
UniRef90_UPI00046913B0
UniRef90_L0K6W2
UniRef90_E3FTW2
UniRef90_W3RN86
UniRef90_UPI00022601DF
UniRef90_B9LMC5
UniRef90_Q3IU83
UniRef90_B1LYR6
UniRef90_A8MA36
UniRef90_K0I9Q4
UniRef90_UPI00036B2BBE
UniRef90_Q12D43
UniRef90_I8S7X0
UniRef90_W4QN99
UniRef90_W0K0W1
UniRef90_K1YA95
UniRef90_UPI0002F2DD0D
UniRef90_R6RZV3
UniRef90_V4Y9Y4
UniRef90_UPI0003B53985
UniRef90_B8ICW9
UniRef90_X5DK74
UniRef90_UPI000380CCAE
UniRef90_W4Q726
UniRef90_Q21S07
UniRef90_C6D7D0
UniRef90_A9D1T2
UniRef90_I3TM81
UniRef90_A5ET42
UniRef90_UPI000468902B
UniRef90_Q0ATQ8
UniRef90_UPI00036D7469
UniRef90_K9HC08
UniRef90_UPI000361954B
UniRef90_A8TVT3
UniRef90_A5GUD1
UniRef90_UPI00037DDF12
UniRef90_B6IT96
UniRef90_G0A7W4
UniRef90_Q7VD52

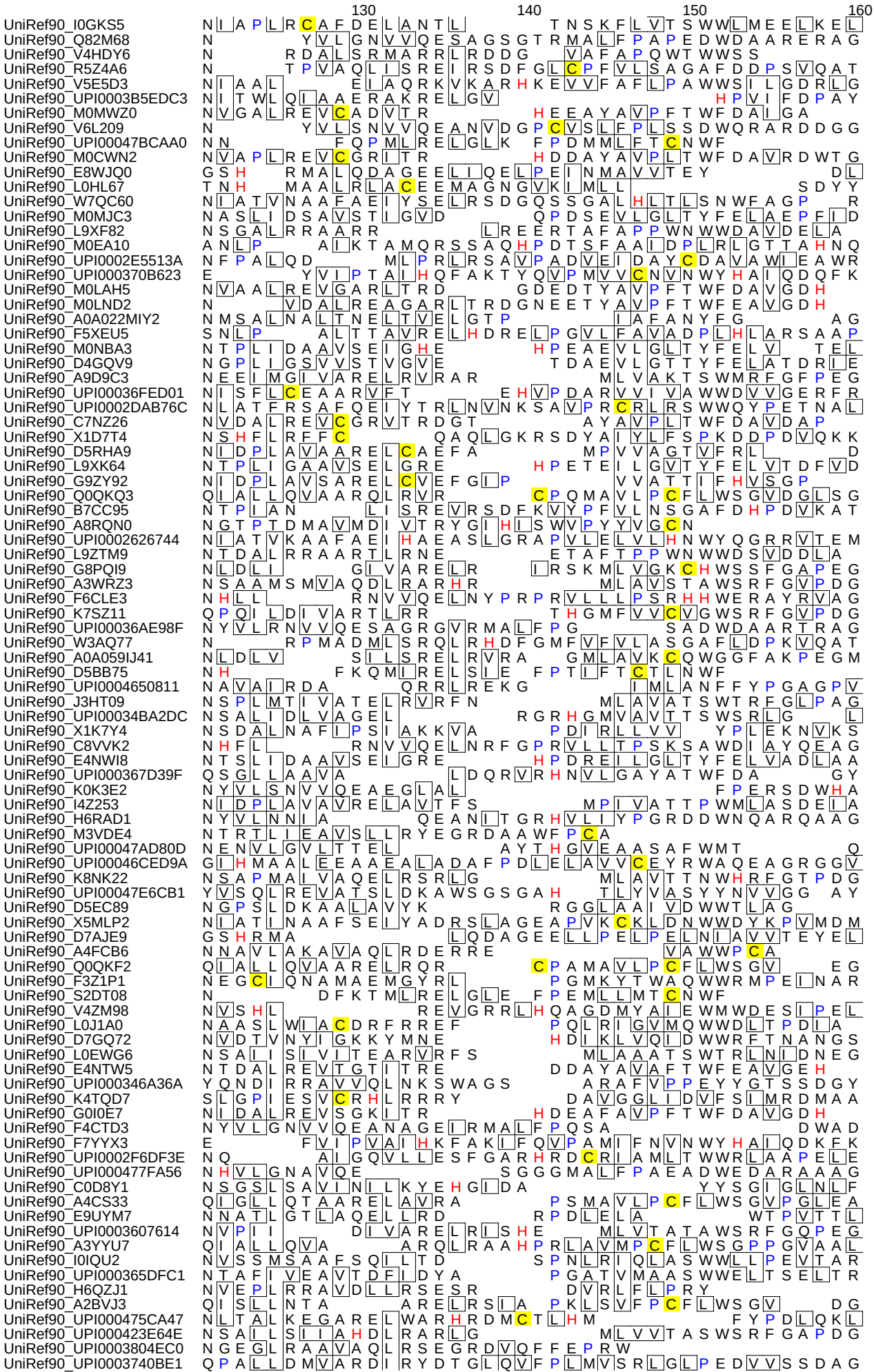

210
220
230
240
UniRef90_UPI00045E64F3
UniRef90_UPI000464E51E
UniRef90_UPI00036E9F8D
UniRef90_C7NSB4
UniRef90_N6WS10
UniRef90_U2DHA4
UniRef90_UPI0003042629
UniRef90_G0JP29
UniRef90_H2JL74
UniRef90_Z5XGN9
UniRef90_Q1GMT9
UniRef90_A0B995
UniRef90_E8TI59
UniRef90_U2FZW6
UniRef90_Q2CAE5
UniRef90_W5WXC2
UniRef90_J2K6M2
UniRef90_UPI000262576B
UniRef90_K0HY70
UniRef90_B9R3S7
UniRef90_UPI00034A4330
UniRef90_UPI0003673090
UniRef90_H5SN11
UniRef90_U2SET4
UniRef90_A2CCF1
UniRef90_B5JR56
UniRef90_K9YZJ2
UniRef90_Q21BU2
UniRef90_V6JFD7
UniRef90_UPI00046FB002
UniRef90_B3E1R3
UniRef90_A7IIN7
UniRef90_A6X5S0
UniRef90_A5G3E3
UniRef90_Q8TYV8
UniRef90_W6MDH9
UniRef90_K9H0G9
UniRef90_UPI00034973CC
UniRef90_UPI00037EC31E
UniRef90_U1N3X0
UniRef90_X5LIQ7
UniRef90_J7TVW4
UniRef90_J5PMR3
UniRef90_UPI000369CB80
UniRef90_UPI0003651EDE
UniRef90_Q1ARC1
UniRef90_UPI000367A177
UniRef90_I3R1V3
UniRef90_UPI000465CBB7
UniRef90_D1C3W9
UniRef90_F2LIY9
UniRef90_UPI0003608DE5
UniRef90_UPI00046913B0
UniRef90_L0K6W2
UniRef90_E3FTW2
UniRef90_W3RN86
UniRef90_UPI00022601DF
UniRef90_B9LMC5
UniRef90_Q3IU83
UniRef90_B1LYR6
UniRef90_A8MA36
UniRef90_K0I9Q4
UniRef90_UPI00036B2BBE
UniRef90_Q12D43
UniRef90_I8S7X0
UniRef90_W4QN99
UniRef90_W0K0W1
UniRef90_K1YA95
UniRef90_UPI0002F2DD0D
UniRef90_R6RZV3
UniRef90_V4Y9Y4
UniRef90_UPI0003B53985
UniRef90_B8ICW9
UniRef90_X5DK74
UniRef90_UPI000380CCAE
UniRef90_W4Q726
UniRef90_Q21S07
UniRef90_C6D7D0
UniRef90_A9D1T2
UniRef90_I3TM81
UniRef90_A5ET42
UniRef90_UPI000468902B
UniRef90_Q0ATQ8
UniRef90_UPI00036D7469
UniRef90_K9HC08
UniRef90_UPI000361954B
UniRef90_A8TVT3
UniRef90_A5GUD1
UniRef90_UPI00037DDF12
UniRef90_B6IT96
UniRef90_G0A7W4
UniRef90_Q7VD52

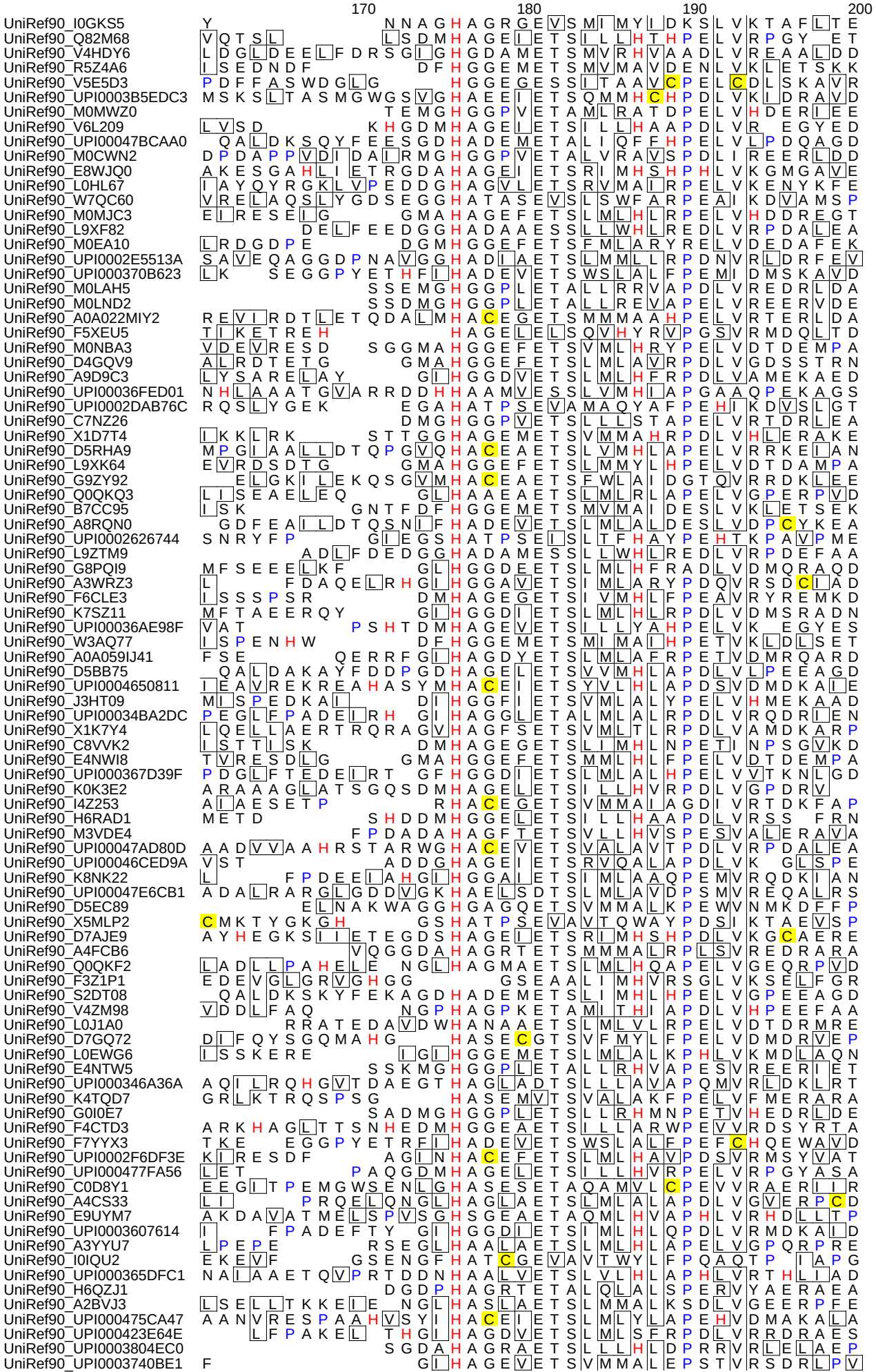

250
UniRef90_UPI00045E64F3 E H V V G V A R G I I E Q W
UniRef90_UPI000464E51E E H Q A D G F I T L L K D
UniRef90_UPI00036E9F8D D A A V P A L L A D I
UniRef90_C7NSB4 R S A R D E L V T L L E D
UniRef90_N6WS10 A H F A R A L A T T I R E A
UniRef90_U2DHA4 R K C V D K I A A F M M S E F
UniRef90_UPI0003042629 I H G A E A F I A M L R E
UniRef90_G0JP29 K W M V S D L E K I I R K
UniRef90_H2JL74 S G C A R A L A D I I L R D
UniRef90_Z5XGN9 E R I V D H I V S I L D T E F E P
UniRef90_Q1GMT9 A S A G R N F A R F L A E
UniRef90_A0B995 E M A V R G V L E A L D E
UniRef90_E8TI59 E Y Q A D G F I S L L Q D
UniRef90_U2FZW6 E L L I D A W T R A I
UniRef90_Q2CAE5 E T G G Q R S A E L
UniRef90_W5WXC2 N L A V N A I S R R L E
UniRef90_J2K6M2 D A C A E A I A E W L
UniRef90_UPI000262576B E V A A E G I A G V L Q
UniRef90_K0HY70 D S L A V S W A A A I T E
UniRef90_B9R3S7 D H A A R G F V E L L Q D
UniRef90_UPI00034A4330 D H G A R A F C D L L A D
UniRef90_UPI0003673090 H R F S T H V S K G V L E
UniRef90_H5SN11 H T A C E R L R A I V Q
UniRef90_U2SET4 E A V V E G Y S E L I K E
UniRef90_A2CCF1 E T A A T A L S E D L
UniRef90_B5JR56 Q E L H T T L S A L I K K E T P P
UniRef90_K9YZJ2 E L A V K E L T A S Y Q D
UniRef90_Q21BU2 A H G A R A F C E L L E D
UniRef90_V6JFD7 D T A V S R I V A F V K E W L D
UniRef90_UPI00046FB002 N A Q V E Q L I
UniRef90_B3E1R3 E L V A R K V V E L V R
UniRef90_A7IIN7 E F G A R A F I E L L R D
UniRef90_A6X5S0 D F A A E R L V E V L A E
UniRef90_A5G3E3 Q L V T A K V V D L A R
UniRef90_Q8TYV8 K T V V E R L V D I V E E
UniRef90_W6MDH9 V A Q T A C Y E T A L R Q W L
UniRef90_K9H0G9 D H I A R Q L V E L I V E A F P
UniRef90_UPI00034973CC T A I V D R V T D Y V E E W L
UniRef90_UPI00037EC31E D S L T T S F A A S L
UniRef90_U1N3X0 A E A T D E L C L L L
UniRef90_X5LIQ7 D A V T S L I A D Y A R
UniRef90_J7TVW4 D A L T D L V V E S I E
UniRef90_J5PMR3 D H A A H A F V D L L R E
UniRef90_UPI000369CB80 A K A T Q A L V T F L R
UniRef90_UPI0003651EDE E L I V A G T V E A I
UniRef90_Q1ARC1 E A R A E E L A R A V
UniRef90_UPI000367A177 G A A K A A L I K E V Q A F F
UniRef90_I3R1V3
UniRef90_UPI000465CBB7 D H A V A G L A D L M R D
UniRef90_D1C3W9 E S A L D N F V R F C E
UniRef90_F2LIY9 R Q A A I G L A A E V E
UniRef90_UPI0003608DE5 E A S V S E I A A I C A R E F
UniRef90_UPI00046913B0 D S A A R N F A A F L L E
UniRef90_L0K6W2 N G I V K E M K K I I K E
UniRef90_E3FTW2 E V W V D V L V G A Y R A A L
UniRef90_W3RN86 D H G A R A F C D L L Q D
UniRef90_UPI00022601DF D D H T R L L A E A I S K E F
UniRef90_B9LMC5 E T I T H A V A E L I
UniRef90_Q3IU83 E K A A A A L V E L L
UniRef90_B1LYR6 D H G A R A F V A L L R D
UniRef90_A8MA36 E S A I N E L T Q L I N D
UniRef90_K0I9Q4 D A A A Q Q L V A L L Q E
UniRef90_UPI00036B2BBE D Y Q A T A F V E L L E E
UniRef90_Q12D43 D M I V D K S V Q S I R E A
UniRef90_I8S7X0 E R T L N Y L E K L V N D E L P P
UniRef90_W4QN99 L R L G S K I A S T L Q
UniRef90_W0K0W1 E A A S D Q L V Q L C E
UniRef90_K1YA95 G P C I D R V S S V I E D
UniRef90_UPI0002F2DD0D E H G A R A F C E L L A D R F D P
UniRef90_R6RZV3 K A T A D F C V D F I K K
UniRef90_V4Y9Y4 E K L A D E V A S L L V D A
UniRef90_UPI0003B53985 E W L V E F L I S E I E K
UniRef90_B8ICW9 A H G A R A F V E L L R D
UniRef90_X5DK74 N E K V E Q L V E M I K
UniRef90_UPI000380CCAE S Y I I D R L T D E V R S S F
UniRef90_W4Q726 S R L S K K I A E T L
UniRef90_Q21S07 A A A G L G L A R L L A E
UniRef90_C6D7D0 E T A G P L L A E A L
UniRef90_A9D1T2 D H A V A G L C E L L D D
UniRef90_I3TM81 E R I A A L L V A G F A E D D P
UniRef90_A5ET42 A H G A R A F C T L L E E
UniRef90_UPI000468902B H D V G G L L A N F F R
UniRef90_Q0ATQ8 S F A K Q A L I A
UniRef90_UPI00036D7469 K A C A E N I G E F L V D
UniRef90_K9HC08 D I A V T E
UniRef90_UPI000361954B K A Y V K T L A E V I R
UniRef90_A8TVT3 A A V I E D Y A A F M K E A
UniRef90_A5GUD1 Q G L V G G W C E L M R S D W P
UniRef90_UPI00037DDF12 D S A A A Q L A E A L I E
UniRef90_B6IT96 E H A A T A L A T L V G E
UniRef90_G0A7W4 D N I V T Q T V K A L K A E
UniRef90_Q7VD52 E H W I K L F L N L L D S N W P P

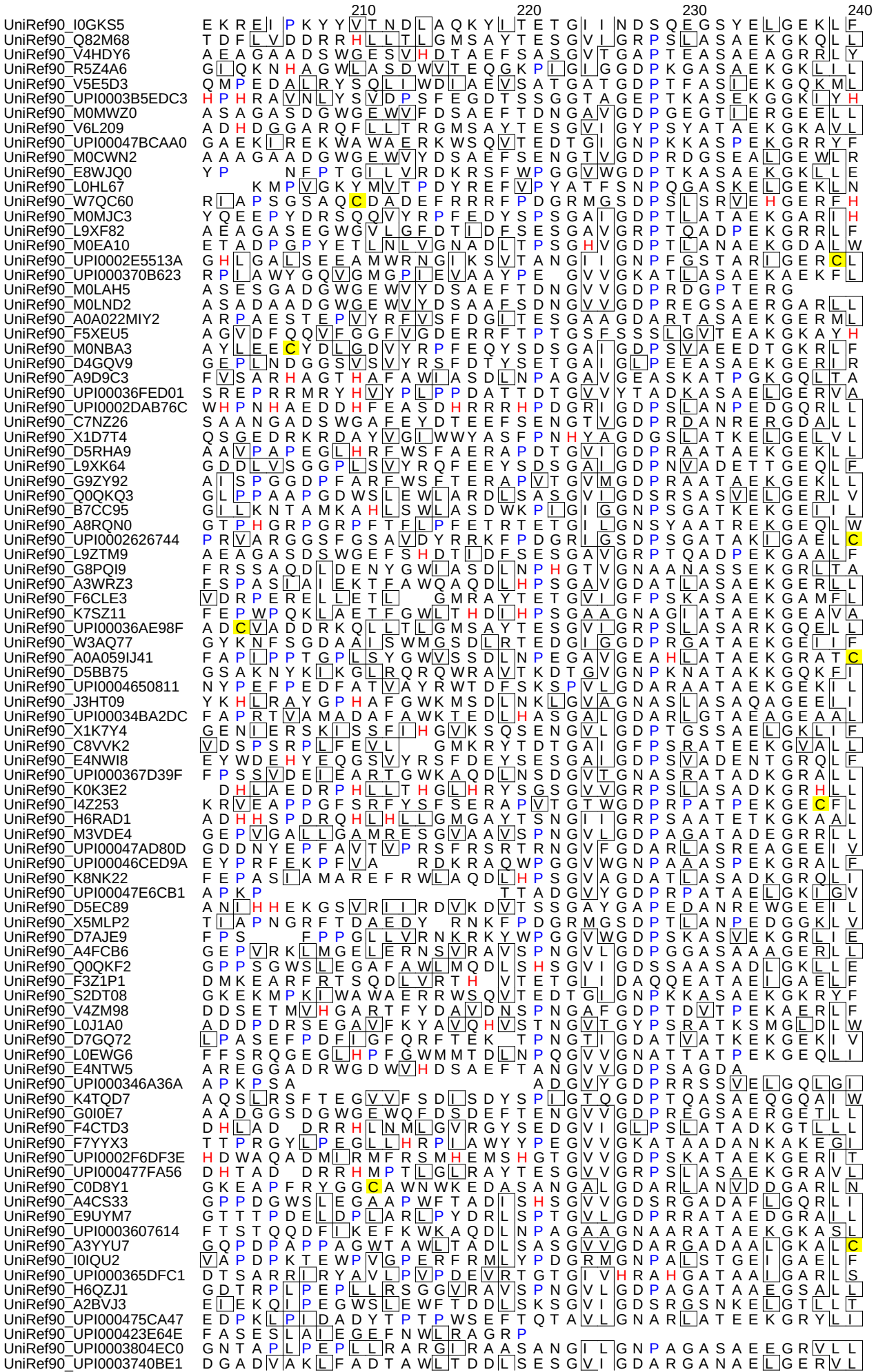

1
10
20
30
40
UniRef90_I0GKS5
UniRef90_Q82M68
UniRef90_V4HDY6
UniRef90_R5Z4A6
UniRef90_V5E5D3
UniRef90_UPI0003B5EDC3
UniRef90_M0MWZ0
UniRef90_V6L209
UniRef90_UPI00047BCAA0
UniRef90_M0CWN2
UniRef90_E8WJQ0
UniRef90_L0HL67
UniRef90_W7QC60
UniRef90_M0MJC3
UniRef90_L9XF82
UniRef90_M0EA10
UniRef90_UPI0002E5513A
UniRef90_UPI000370B623
UniRef90_M0LAH5
UniRef90_M0LND2
UniRef90_A0A022MIY2
UniRef90_F5XEU5
UniRef90_M0NBA3
UniRef90_D4GQV9
UniRef90_A9D9C3
UniRef90_UPI00036FED01
UniRef90_UPI0002DAB76C
UniRef90_C7NZ26
UniRef90_X1D7T4
UniRef90_D5RHA9
UniRef90_L9XK64
UniRef90_G9ZY92
UniRef90_Q0QKQ3
UniRef90_B7CC95
UniRef90_A8RQN0
UniRef90_UPI0002626744
UniRef90_L9ZTM9
UniRef90_G8PQI9
UniRef90_A3WRZ3
UniRef90_F6CLE3
UniRef90_K7SZ11
UniRef90_UPI00036AE98F
UniRef90_W3AQ77
UniRef90_A0A059IJ41
UniRef90_D5BB75
UniRef90_UPI0004650811
UniRef90_J3HT09
UniRef90_UPI00034BA2DC
UniRef90_X1K7Y4
UniRef90_C8VVK2
UniRef90_E4NWI8
UniRef90_UPI000367D39F
UniRef90_K0K3E2
UniRef90_I4Z253
UniRef90_H6RAD1
UniRef90_M3VDE4
UniRef90_UPI00047AD80D
UniRef90_UPI00046CED9A
UniRef90_K8NK22
UniRef90_UPI00047E6CB1
UniRef90_D5EC89
UniRef90_X5MLP2
UniRef90_D7AJE9
UniRef90_A4FCB6
UniRef90_Q0QKF2
UniRef90_F3Z1P1
UniRef90_S2DT08
UniRef90_V4ZM98
UniRef90_L0J1A0
UniRef90_D7GQ72
UniRef90_L0EWG6
UniRef90_E4NTW5
UniRef90_UPI000346A36A
UniRef90_K4TQD7
UniRef90_G0I0E7
UniRef90_F4CTD3
UniRef90_F7YYX3
UniRef90_UPI0002F6DF3E
UniRef90_UPI000477FA56
UniRef90_C0D8Y1
UniRef90_A4CS33
UniRef90_E9UYM7
UniRef90_UPI0003607614
UniRef90_A3YYU7
UniRef90_I0IQU2
UniRef90_UPI000365DFC1
UniRef90_H6QZJ1
UniRef90_A2BVJ3
UniRef90_UPI000475CA47
UniRef90_UPI000423E64E
UniRef90_UPI0003804EC0
UniRef90_UPI0003740BE1


50
60
70
80
UniRef90_I0GKS5
UniRef90_Q82M68
UniRef90_V4HDY6
UniRef90_R5Z4A6
UniRef90_V5E5D3
UniRef90_UPI0003B5EDC3
UniRef90_M0MWZ0
UniRef90_V6L209
UniRef90_UPI00047BCAA0
UniRef90_M0CWN2
UniRef90_E8WJQ0
UniRef90_L0HL67
UniRef90_W7QC60
UniRef90_M0MJC3
UniRef90_L9XF82
UniRef90_M0EA10
UniRef90_UPI0002E5513A
UniRef90_UPI000370B623
UniRef90_M0LAH5
UniRef90_M0LND2
UniRef90_A0A022MIY2
UniRef90_F5XEU5
UniRef90_M0NBA3
UniRef90_D4GQV9
UniRef90_A9D9C3
UniRef90_UPI00036FED01
UniRef90_UPI0002DAB76C
UniRef90_C7NZ26
UniRef90_X1D7T4
UniRef90_D5RHA9
UniRef90_L9XK64
UniRef90_G9ZY92
UniRef90_Q0QKQ3
UniRef90_B7CC95
UniRef90_A8RQN0
UniRef90_UPI0002626744
UniRef90_L9ZTM9
UniRef90_G8PQI9
UniRef90_A3WRZ3
UniRef90_F6CLE3
UniRef90_K7SZ11
UniRef90_UPI00036AE98F
UniRef90_W3AQ77
UniRef90_A0A059IJ41
UniRef90_D5BB75
UniRef90_UPI0004650811
UniRef90_J3HT09
UniRef90_UPI00034BA2DC
UniRef90_X1K7Y4
UniRef90_C8VVK2
UniRef90_E4NWI8
UniRef90_UPI000367D39F
UniRef90_K0K3E2
UniRef90_I4Z253
UniRef90_H6RAD1
UniRef90_M3VDE4
UniRef90_UPI00047AD80D
UniRef90_UPI00046CED9A
UniRef90_K8NK22
UniRef90_UPI00047E6CB1
UniRef90_D5EC89
UniRef90_X5MLP2
UniRef90_D7AJE9
UniRef90_A4FCB6
UniRef90_Q0QKF2
UniRef90_F3Z1P1
UniRef90_S2DT08
UniRef90_V4ZM98
UniRef90_L0J1A0
UniRef90_D7GQ72
UniRef90_L0EWG6
UniRef90_E4NTW5
UniRef90_UPI000346A36A
UniRef90_K4TQD7
UniRef90_G0I0E7
UniRef90_F4CTD3
UniRef90_F7YYX3
UniRef90_UPI0002F6DF3E
UniRef90_UPI000477FA56
UniRef90_C0D8Y1
UniRef90_A4CS33
UniRef90_E9UYM7
UniRef90_UPI0003607614
UniRef90_A3YYU7
UniRef90_I0IQU2
UniRef90_UPI000365DFC1
UniRef90_H6QZJ1
UniRef90_A2BVJ3
UniRef90_UPI000475CA47
UniRef90_UPI000423E64E
UniRef90_UPI0003804EC0
UniRef90_UPI0003740BE1

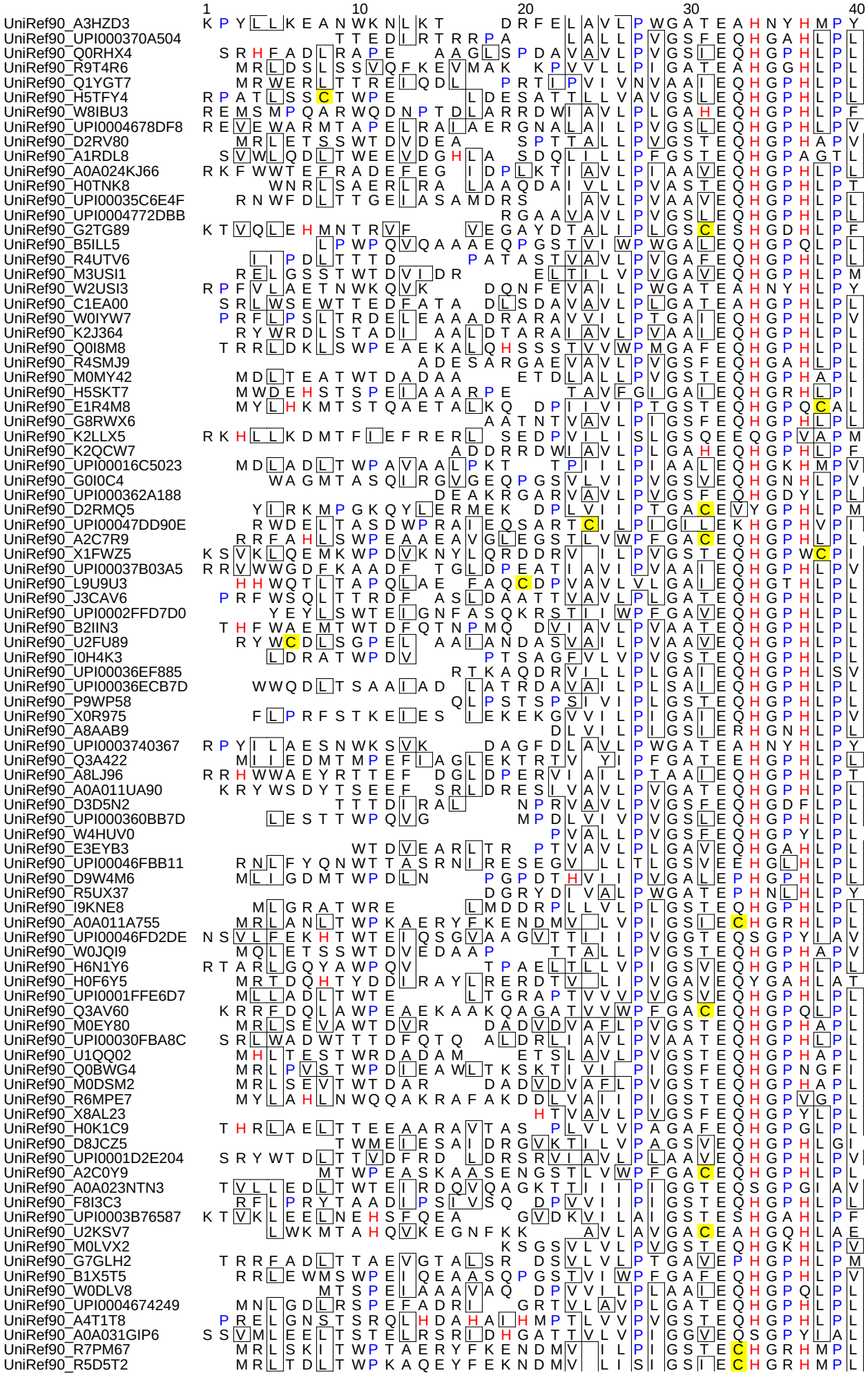

90
100
110
120
UniRef90_I0GKS5
UniRef90_Q82M68
UniRef90_V4HDY6
UniRef90_R5Z4A6
UniRef90_V5E5D3
UniRef90_UPI0003B5EDC3
UniRef90_M0MWZ0
UniRef90_V6L209
UniRef90_UPI00047BCAA0
UniRef90_M0CWN2
UniRef90_E8WJQ0
UniRef90_L0HL67
UniRef90_W7QC60
UniRef90_M0MJC3
UniRef90_L9XF82
UniRef90_M0EA10
UniRef90_UPI0002E5513A
UniRef90_UPI000370B623
UniRef90_M0LAH5
UniRef90_M0LND2
UniRef90_A0A022MIY2
UniRef90_F5XEU5
UniRef90_M0NBA3
UniRef90_D4GQV9
UniRef90_A9D9C3
UniRef90_UPI00036FED01
UniRef90_UPI0002DAB76C
UniRef90_C7NZ26
UniRef90_X1D7T4
UniRef90_D5RHA9
UniRef90_L9XK64
UniRef90_G9ZY92
UniRef90_Q0QKQ3
UniRef90_B7CC95
UniRef90_A8RQN0
UniRef90_UPI0002626744
UniRef90_L9ZTM9
UniRef90_G8PQI9
UniRef90_A3WRZ3
UniRef90_F6CLE3
UniRef90_K7SZ11
UniRef90_UPI00036AE98F
UniRef90_W3AQ77
UniRef90_A0A059IJ41
UniRef90_D5BB75
UniRef90_UPI0004650811
UniRef90_J3HT09
UniRef90_UPI00034BA2DC
UniRef90_X1K7Y4
UniRef90_C8VVK2
UniRef90_E4NWI8
UniRef90_UPI000367D39F
UniRef90_K0K3E2
UniRef90_I4Z253
UniRef90_H6RAD1
UniRef90_M3VDE4
UniRef90_UPI00047AD80D
UniRef90_UPI00046CED9A
UniRef90_K8NK22
UniRef90_UPI00047E6CB1
UniRef90_D5EC89
UniRef90_X5MLP2
UniRef90_D7AJE9
UniRef90_A4FCB6
UniRef90_Q0QKF2
UniRef90_F3Z1P1
UniRef90_S2DT08
UniRef90_V4ZM98
UniRef90_L0J1A0
UniRef90_D7GQ72
UniRef90_L0EWG6
UniRef90_E4NTW5
UniRef90_UPI000346A36A
UniRef90_K4TQD7
UniRef90_G0I0E7
UniRef90_F4CTD3
UniRef90_F7YYX3
UniRef90_UPI0002F6DF3E
UniRef90_UPI000477FA56
UniRef90_C0D8Y1
UniRef90_A4CS33
UniRef90_E9UYM7
UniRef90_UPI0003607614
UniRef90_A3YYU7
UniRef90_I0IQU2
UniRef90_UPI000365DFC1
UniRef90_H6QZJ1
UniRef90_A2BVJ3
UniRef90_UPI000475CA47
UniRef90_UPI000423E64E
UniRef90_UPI0003804EC0
UniRef90_UPI0003740BE1

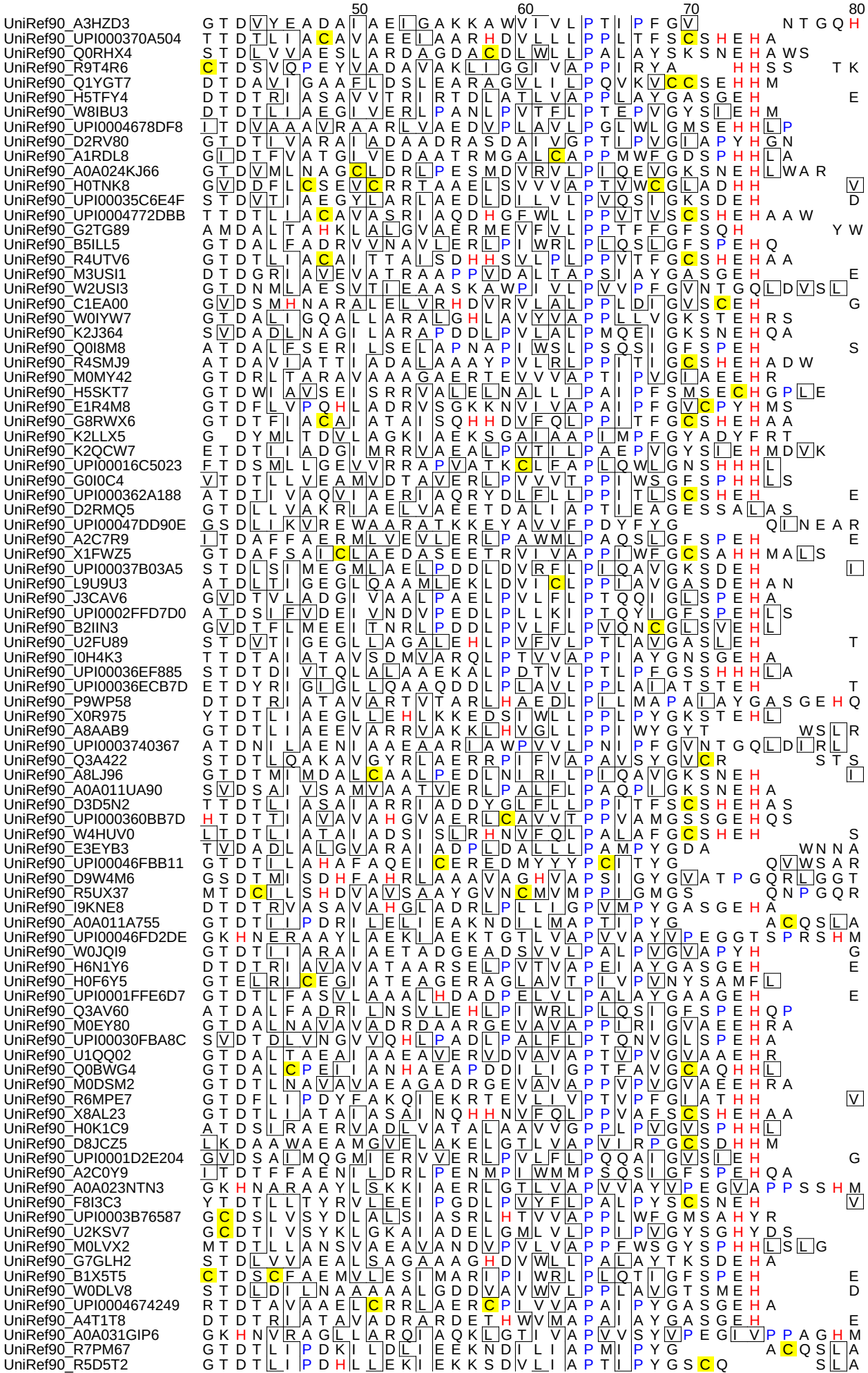

130
140
150
160
UniRef90_I0GKS5
UniRef90_Q82M68
UniRef90_V4HDY6
UniRef90_R5Z4A6
UniRef90_V5E5D3
UniRef90_UPI0003B5EDC3
UniRef90_M0MWZ0
UniRef90_V6L209
UniRef90_UPI00047BCAA0
UniRef90_M0CWN2
UniRef90_E8WJQ0
UniRef90_L0HL67
UniRef90_W7QC60
UniRef90_M0MJC3
UniRef90_L9XF82
UniRef90_M0EA10
UniRef90_UPI0002E5513A
UniRef90_UPI000370B623
UniRef90_M0LAH5
UniRef90_M0LND2
UniRef90_A0A022MIY2
UniRef90_F5XEU5
UniRef90_M0NBA3
UniRef90_D4GQV9
UniRef90_A9D9C3
UniRef90_UPI00036FED01
UniRef90_UPI0002DAB76C
UniRef90_C7NZ26
UniRef90_X1D7T4
UniRef90_D5RHA9
UniRef90_L9XK64
UniRef90_G9ZY92
UniRef90_Q0QKQ3
UniRef90_B7CC95
UniRef90_A8RQN0
UniRef90_UPI0002626744
UniRef90_L9ZTM9
UniRef90_G8PQI9
UniRef90_A3WRZ3
UniRef90_F6CLE3
UniRef90_K7SZ11
UniRef90_UPI00036AE98F
UniRef90_W3AQ77
UniRef90_A0A059IJ41
UniRef90_D5BB75
UniRef90_UPI0004650811
UniRef90_J3HT09
UniRef90_UPI00034BA2DC
UniRef90_X1K7Y4
UniRef90_C8VVK2
UniRef90_E4NWI8
UniRef90_UPI000367D39F
UniRef90_K0K3E2
UniRef90_I4Z253
UniRef90_H6RAD1
UniRef90_M3VDE4
UniRef90_UPI00047AD80D
UniRef90_UPI00046CED9A
UniRef90_K8NK22
UniRef90_UPI00047E6CB1
UniRef90_D5EC89
UniRef90_X5MLP2
UniRef90_D7AJE9
UniRef90_A4FCB6
UniRef90_Q0QKF2
UniRef90_F3Z1P1
UniRef90_S2DT08
UniRef90_V4ZM98
UniRef90_L0J1A0
UniRef90_D7GQ72
UniRef90_L0EWG6
UniRef90_E4NTW5
UniRef90_UPI000346A36A
UniRef90_K4TQD7
UniRef90_G0I0E7
UniRef90_F4CTD3
UniRef90_F7YYX3
UniRef90_UPI0002F6DF3E
UniRef90_UPI000477FA56
UniRef90_C0D8Y1
UniRef90_A4CS33
UniRef90_E9UYM7
UniRef90_UPI0003607614
UniRef90_A3YYU7
UniRef90_I0IQU2
UniRef90_UPI000365DFC1
UniRef90_H6QZJ1
UniRef90_A2BVJ3
UniRef90_UPI000475CA47
UniRef90_UPI000423E64E
UniRef90_UPI0003804EC0
UniRef90_UPI0003740BE1

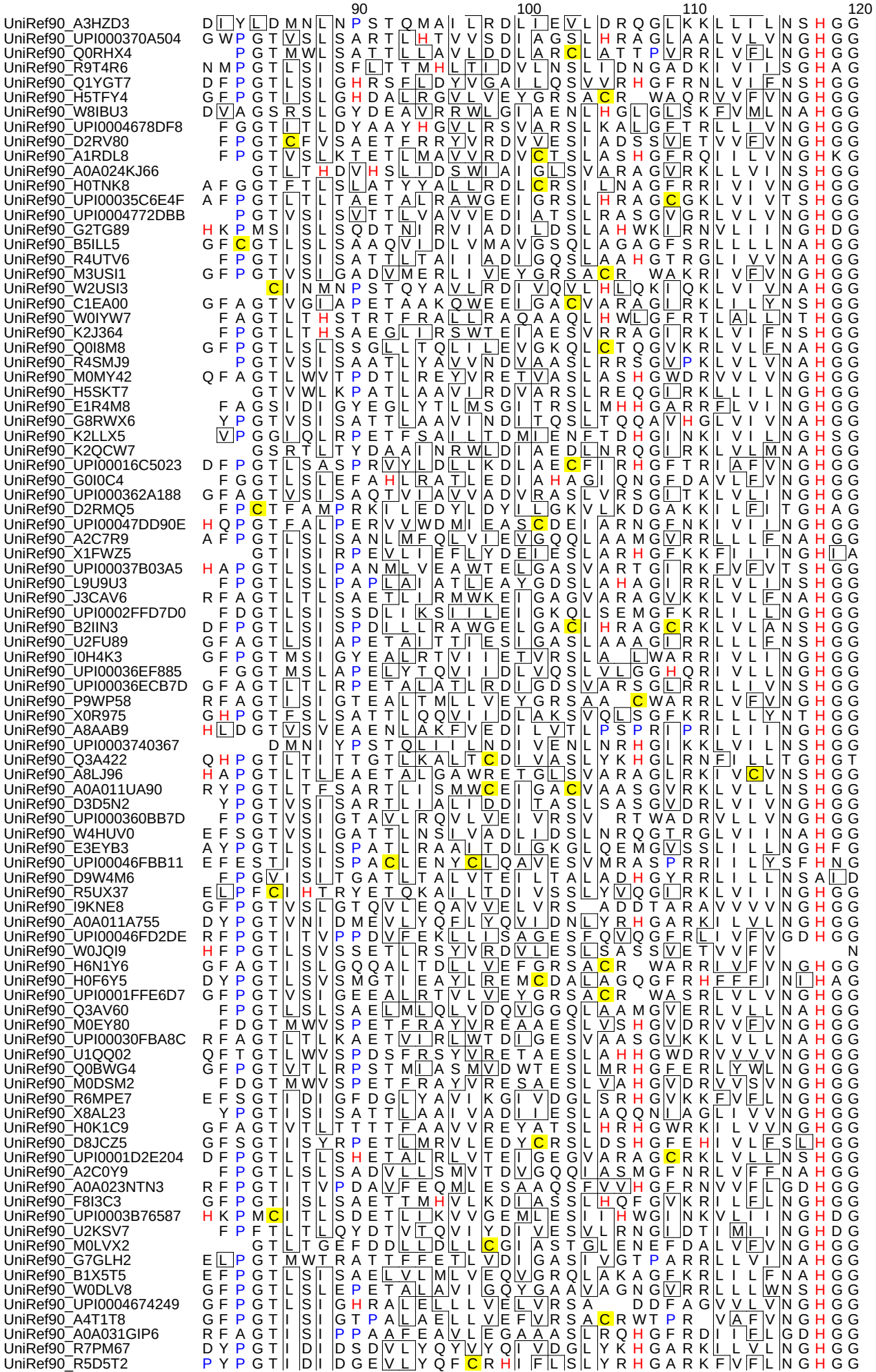

170
180
190
200
UniRef90_I0GKS5
UniRef90_Q82M68
UniRef90_V4HDY6
UniRef90_R5Z4A6
UniRef90_V5E5D3
UniRef90_UPI0003B5EDC3
UniRef90_M0MWZ0
UniRef90_V6L209
UniRef90_UPI00047BCAA0
UniRef90_M0CWN2
UniRef90_E8WJQ0
UniRef90_L0HL67
UniRef90_W7QC60
UniRef90_M0MJC3
UniRef90_L9XF82
UniRef90_M0EA10
UniRef90_UPI0002E5513A
UniRef90_UPI000370B623
UniRef90_M0LAH5
UniRef90_M0LND2
UniRef90_A0A022MIY2
UniRef90_F5XEU5
UniRef90_M0NBA3
UniRef90_D4GQV9
UniRef90_A9D9C3
UniRef90_UPI00036FED01
UniRef90_UPI0002DAB76C
UniRef90_C7NZ26
UniRef90_X1D7T4
UniRef90_D5RHA9
UniRef90_L9XK64
UniRef90_G9ZY92
UniRef90_Q0QKQ3
UniRef90_B7CC95
UniRef90_A8RQN0
UniRef90_UPI0002626744
UniRef90_L9ZTM9
UniRef90_G8PQI9
UniRef90_A3WRZ3
UniRef90_F6CLE3
UniRef90_K7SZ11
UniRef90_UPI00036AE98F
UniRef90_W3AQ77
UniRef90_A0A059IJ41
UniRef90_D5BB75
UniRef90_UPI0004650811
UniRef90_J3HT09
UniRef90_UPI00034BA2DC
UniRef90_X1K7Y4
UniRef90_C8VVK2
UniRef90_E4NWI8
UniRef90_UPI000367D39F
UniRef90_K0K3E2
UniRef90_I4Z253
UniRef90_H6RAD1
UniRef90_M3VDE4
UniRef90_UPI00047AD80D
UniRef90_UPI00046CED9A
UniRef90_K8NK22
UniRef90_UPI00047E6CB1
UniRef90_D5EC89
UniRef90_X5MLP2
UniRef90_D7AJE9
UniRef90_A4FCB6
UniRef90_Q0QKF2
UniRef90_F3Z1P1
UniRef90_S2DT08
UniRef90_V4ZM98
UniRef90_L0J1A0
UniRef90_D7GQ72
UniRef90_L0EWG6
UniRef90_E4NTW5
UniRef90_UPI000346A36A
UniRef90_K4TQD7
UniRef90_G0I0E7
UniRef90_F4CTD3
UniRef90_F7YYX3
UniRef90_UPI0002F6DF3E
UniRef90_UPI000477FA56
UniRef90_C0D8Y1
UniRef90_A4CS33
UniRef90_E9UYM7
UniRef90_UPI0003607614
UniRef90_A3YYU7
UniRef90_I0IQU2
UniRef90_UPI000365DFC1
UniRef90_H6QZJ1
UniRef90_A2BVJ3
UniRef90_UPI000475CA47
UniRef90_UPI000423E64E
UniRef90_UPI0003804EC0
UniRef90_UPI0003740BE1

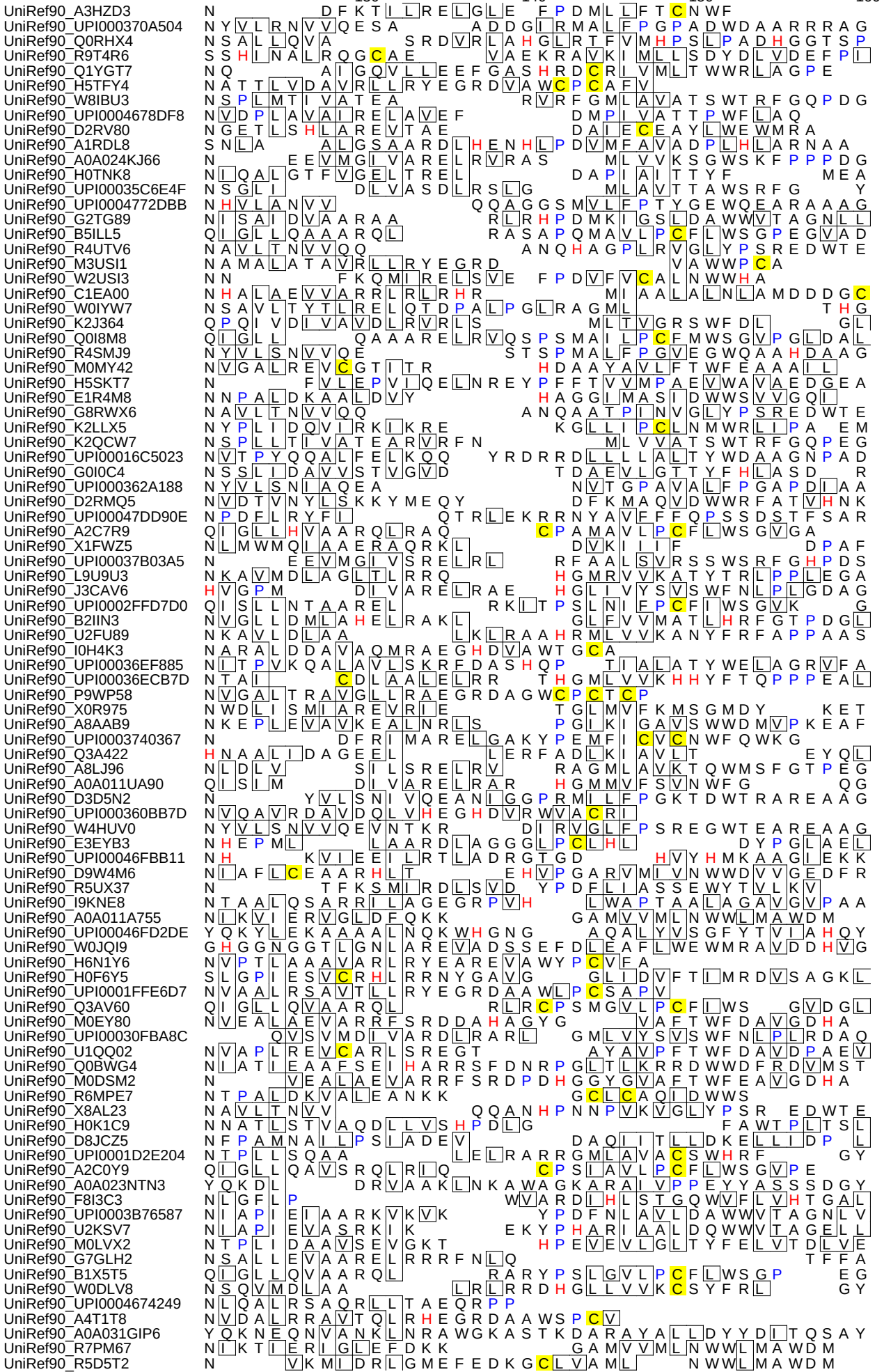

210
220
230
240
UniRef90_I0GKS5
UniRef90_Q82M68
UniRef90_V4HDY6
UniRef90_R5Z4A6
UniRef90_V5E5D3
UniRef90_UPI0003B5EDC3
UniRef90_M0MWZ0
UniRef90_V6L209
UniRef90_UPI00047BCAA0
UniRef90_M0CWN2
UniRef90_E8WJQ0
UniRef90_L0HL67
UniRef90_W7QC60
UniRef90_M0MJC3
UniRef90_L9XF82
UniRef90_M0EA10
UniRef90_UPI0002E5513A
UniRef90_UPI000370B623
UniRef90_M0LAH5
UniRef90_M0LND2
UniRef90_A0A022MIY2
UniRef90_F5XEU5
UniRef90_M0NBA3
UniRef90_D4GQV9
UniRef90_A9D9C3
UniRef90_UPI00036FED01
UniRef90_UPI0002DAB76C
UniRef90_C7NZ26
UniRef90_X1D7T4
UniRef90_D5RHA9
UniRef90_L9XK64
UniRef90_G9ZY92
UniRef90_Q0QKQ3
UniRef90_B7CC95
UniRef90_A8RQN0
UniRef90_UPI0002626744
UniRef90_L9ZTM9
UniRef90_G8PQI9
UniRef90_A3WRZ3
UniRef90_F6CLE3
UniRef90_K7SZ11
UniRef90_UPI00036AE98F
UniRef90_W3AQ77
UniRef90_A0A059IJ41
UniRef90_D5BB75
UniRef90_UPI0004650811
UniRef90_J3HT09
UniRef90_UPI00034BA2DC
UniRef90_X1K7Y4
UniRef90_C8VVK2
UniRef90_E4NWI8
UniRef90_UPI000367D39F
UniRef90_K0K3E2
UniRef90_I4Z253
UniRef90_H6RAD1
UniRef90_M3VDE4
UniRef90_UPI00047AD80D
UniRef90_UPI00046CED9A
UniRef90_K8NK22
UniRef90_UPI00047E6CB1
UniRef90_D5EC89
UniRef90_X5MLP2
UniRef90_D7AJE9
UniRef90_A4FCB6
UniRef90_Q0QKF2
UniRef90_F3Z1P1
UniRef90_S2DT08
UniRef90_V4ZM98
UniRef90_L0J1A0
UniRef90_D7GQ72
UniRef90_L0EWG6
UniRef90_E4NTW5
UniRef90_UPI000346A36A
UniRef90_K4TQD7
UniRef90_G0I0E7
UniRef90_F4CTD3
UniRef90_F7YYX3
UniRef90_UPI0002F6DF3E
UniRef90_UPI000477FA56
UniRef90_C0D8Y1
UniRef90_A4CS33
UniRef90_E9UYM7
UniRef90_UPI0003607614
UniRef90_A3YYU7
UniRef90_I0IQU2
UniRef90_UPI000365DFC1
UniRef90_H6QZJ1
UniRef90_A2BVJ3
UniRef90_UPI000475CA47
UniRef90_UPI000423E64E
UniRef90_UPI0003804EC0
UniRef90_UPI0003740BE1

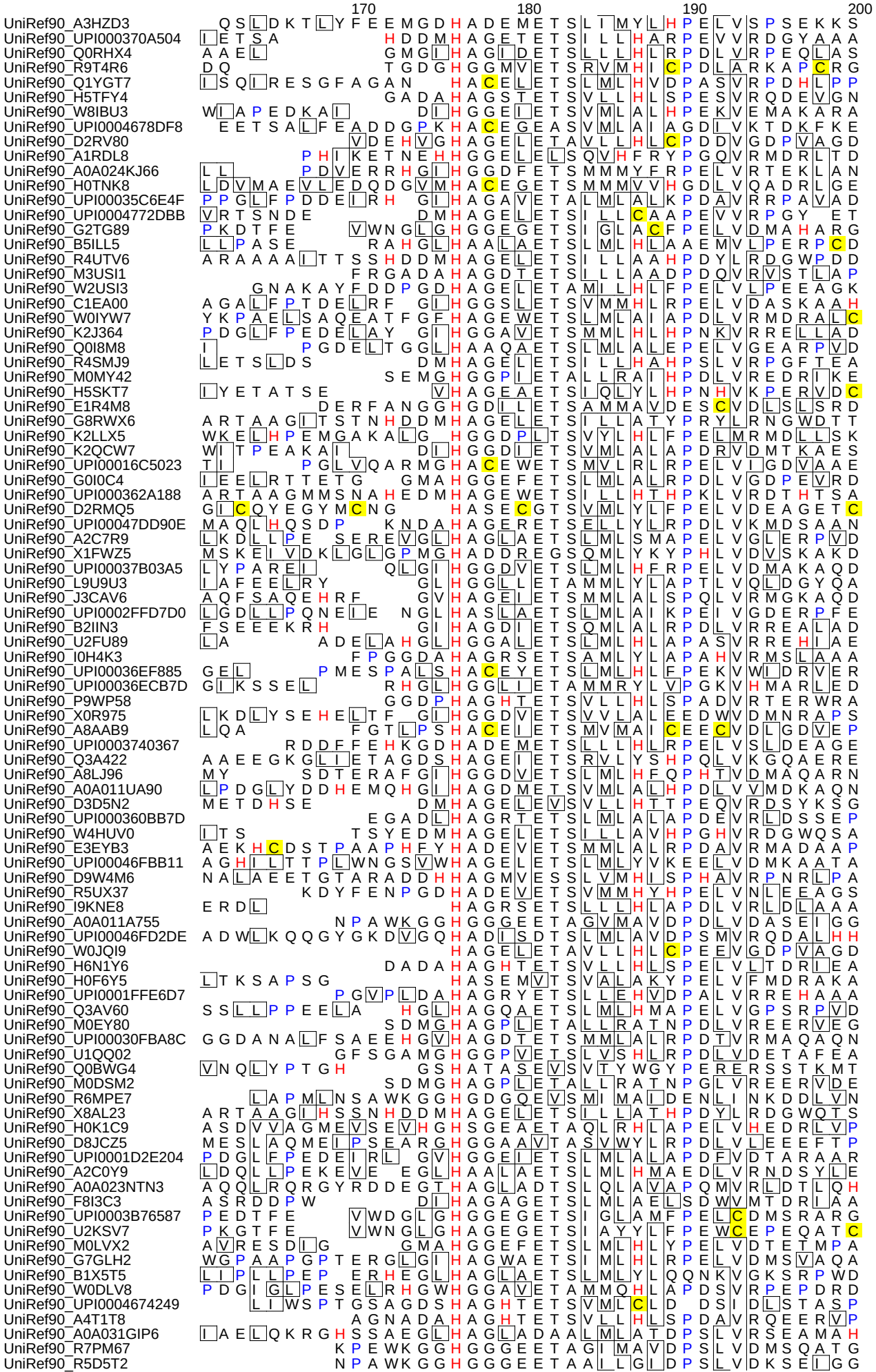
```
                                                
```

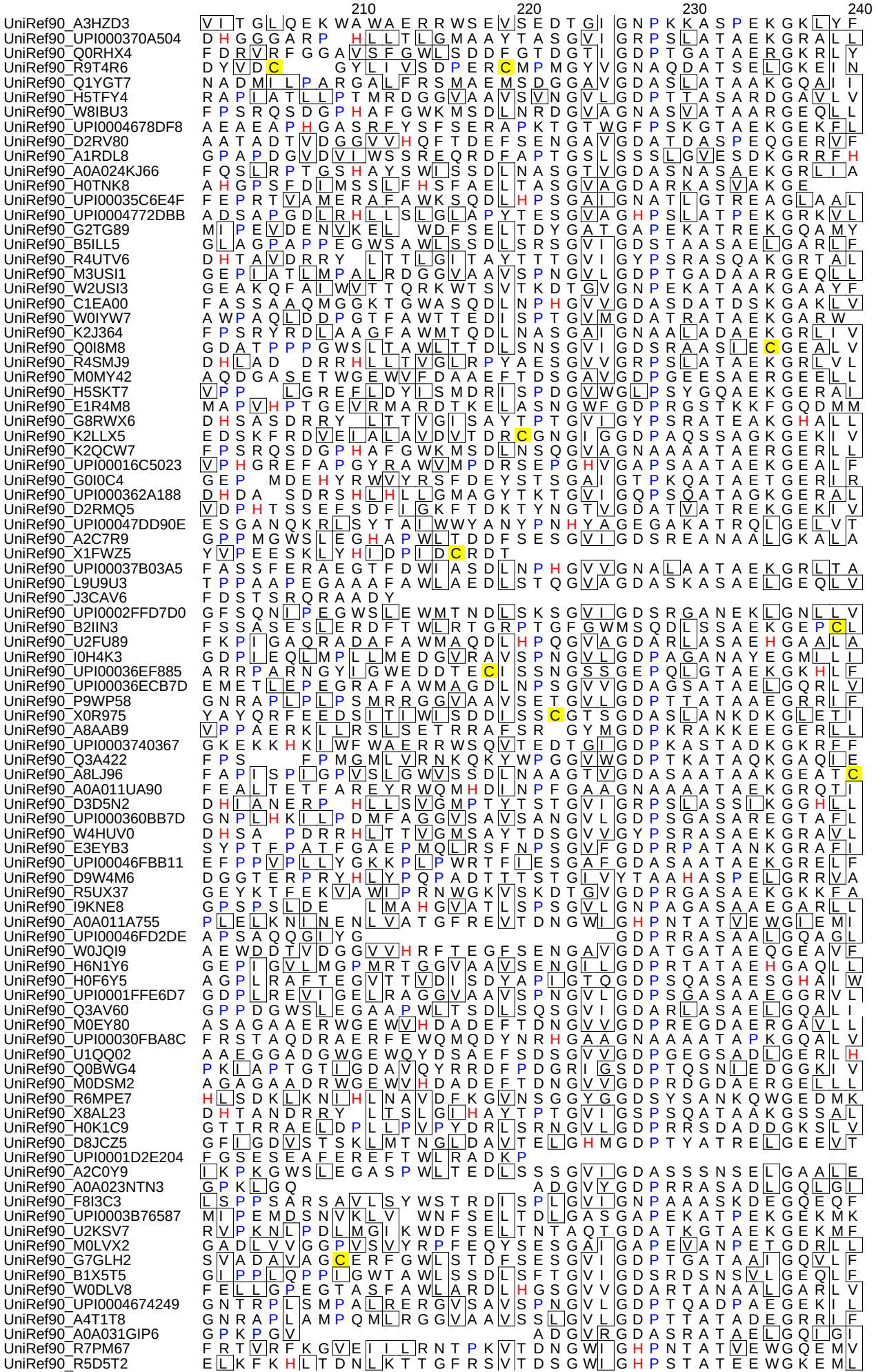

1
10
20
30
40
UniRef90_A3HZD3
UniRef90_UPI000370A504
UniRef90_Q0RHX4
UniRef90_R9T4R6
UniRef90_Q1YGT7
UniRef90_H5TFY4
UniRef90_W8IBU3
UniRef90_UPI0004678DF8
UniRef90_D2RV80
UniRef90_A1RDL8
UniRef90_A0A024KJ66
UniRef90_H0TNK8
UniRef90_UPI00035C6E4F
UniRef90_UPI0004772DBB
UniRef90_G2TG89
UniRef90_B5ILL5
UniRef90_R4UTV6
UniRef90_M3USI1
UniRef90_W2USI3
UniRef90_C1EA00
UniRef90_W0IYW7
UniRef90_K2J364
UniRef90_Q0I8M8
UniRef90_R4SMJ9
UniRef90_M0MY42
UniRef90_H5SKT7
UniRef90_E1R4M8
UniRef90_G8RWX6
UniRef90_K2LLX5
UniRef90_K2QCW7
UniRef90_UPI00016C5023
UniRef90_G0I0C4
UniRef90_UPI000362A188
UniRef90_D2RMQ5
UniRef90_UPI00047DD90E
UniRef90_A2C7R9
UniRef90_X1FWZ5
UniRef90_UPI00037B03A5
UniRef90_L9U9U3
UniRef90_J3CAV6
UniRef90_UPI0002FFD7D0
UniRef90_B2IIN3
UniRef90_U2FU89
UniRef90_I0H4K3
UniRef90_UPI00036EF885
UniRef90_UPI00036ECB7D
UniRef90_P9WP58
UniRef90_X0R975
UniRef90_A8AAB9
UniRef90_UPI0003740367
UniRef90_Q3A422
UniRef90_A8LJ96
UniRef90_A0A011UA90
UniRef90_D3D5N2
UniRef90_UPI000360BB7D
UniRef90_W4HUV0
UniRef90_E3EYB3
UniRef90_UPI00046FBB11
UniRef90_D9W4M6
UniRef90_R5UX37
UniRef90_I9KNE8
UniRef90_A0A011A755
UniRef90_UPI00046FD2DE
UniRef90_W0JQI9
UniRef90_H6N1Y6
UniRef90_H0F6Y5
UniRef90_UPI0001FFE6D7
UniRef90_Q3AV60
UniRef90_M0EY80
UniRef90_UPI00030FBA8C
UniRef90_U1QQ02
UniRef90_Q0BWG4
UniRef90_M0DSM2
UniRef90_R6MPE7
UniRef90_X8AL23
UniRef90_H0K1C9
UniRef90_D8JCZ5
UniRef90_UPI0001D2E204
UniRef90_A2C0Y9
UniRef90_A0A023NTN3
UniRef90_F8I3C3
UniRef90_UPI0003B76587
UniRef90_U2KSV7
UniRef90_M0LVX2
UniRef90_G7GLH2
UniRef90_B1X5T5
UniRef90_W0DLV8
UniRef90_UPI0004674249
UniRef90_A4T1T8
UniRef90_A0A031GIP6
UniRef90_R7PM67
UniRef90_R5D5T2

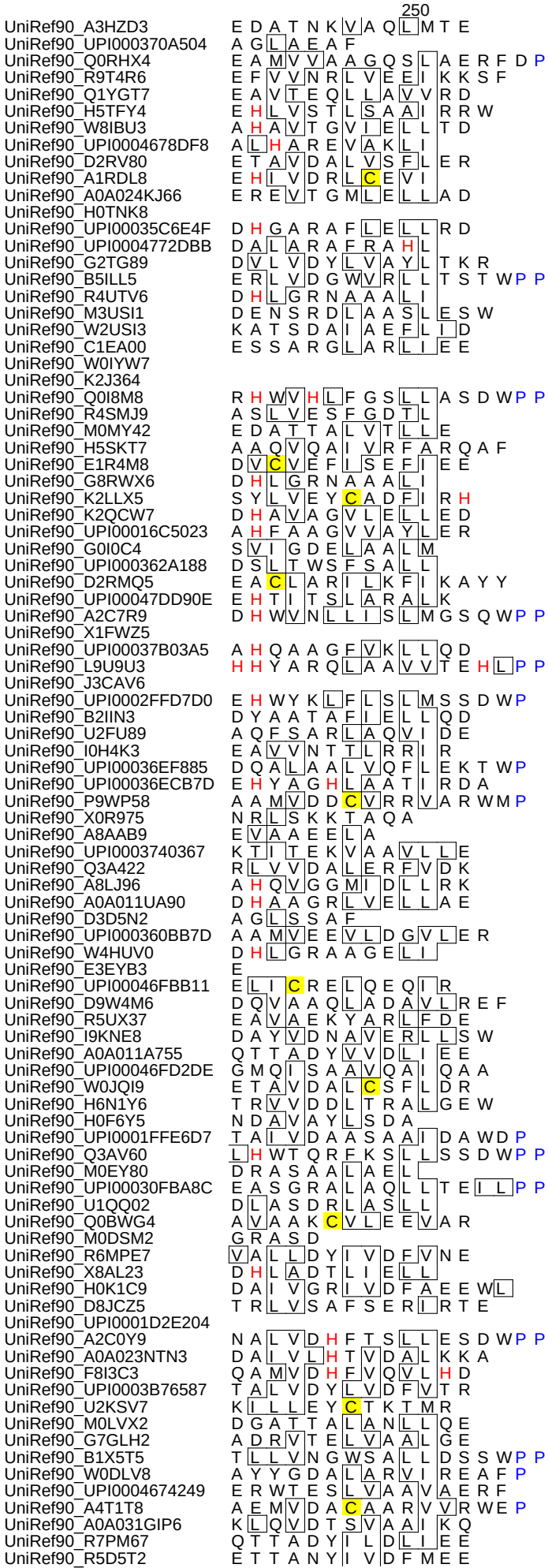

50
60
70
80
UniRef90_A3HZD3
UniRef90_UPI000370A504
UniRef90_Q0RHX4
UniRef90_R9T4R6
UniRef90_Q1YGT7
UniRef90_H5TFY4
UniRef90_W8IBU3
UniRef90_UPI0004678DF8
UniRef90_D2RV80
UniRef90_A1RDL8
UniRef90_A0A024KJ66
UniRef90_H0TNK8
UniRef90_UPI00035C6E4F
UniRef90_UPI0004772DBB
UniRef90_G2TG89
UniRef90_B5ILL5
UniRef90_R4UTV6
UniRef90_M3USI1
UniRef90_W2USI3
UniRef90_C1EA00
UniRef90_W0IYW7
UniRef90_K2J364
UniRef90_Q0I8M8
UniRef90_R4SMJ9
UniRef90_M0MY42
UniRef90_H5SKT7
UniRef90_E1R4M8
UniRef90_G8RWX6
UniRef90_K2LLX5
UniRef90_K2QCW7
UniRef90_UPI00016C5023
UniRef90_G0I0C4
UniRef90_UPI000362A188
UniRef90_D2RMQ5
UniRef90_UPI00047DD90E
UniRef90_A2C7R9
UniRef90_X1FWZ5
UniRef90_UPI00037B03A5
UniRef90_L9U9U3
UniRef90_J3CAV6
UniRef90_UPI0002FFD7D0
UniRef90_B2IIN3
UniRef90_U2FU89
UniRef90_I0H4K3
UniRef90_UPI00036EF885
UniRef90_UPI00036ECB7D
UniRef90_P9WP58
UniRef90_X0R975
UniRef90_A8AAB9
UniRef90_UPI0003740367
UniRef90_Q3A422
UniRef90_A8LJ96
UniRef90_A0A011UA90
UniRef90_D3D5N2
UniRef90_UPI000360BB7D
UniRef90_W4HUV0
UniRef90_E3EYB3
UniRef90_UPI00046FBB11
UniRef90_D9W4M6
UniRef90_R5UX37
UniRef90_I9KNE8
UniRef90_A0A011A755
UniRef90_UPI00046FD2DE
UniRef90_W0JQI9
UniRef90_H6N1Y6
UniRef90_H0F6Y5
UniRef90_UPI0001FFE6D7
UniRef90_Q3AV60
UniRef90_M0EY80
UniRef90_UPI00030FBA8C
UniRef90_U1QQ02
UniRef90_Q0BWG4
UniRef90_M0DSM2
UniRef90_R6MPE7
UniRef90_X8AL23
UniRef90_H0K1C9
UniRef90_D8JCZ5
UniRef90_UPI0001D2E204
UniRef90_A2C0Y9
UniRef90_A0A023NTN3
UniRef90_F8I3C3
UniRef90_UPI0003B76587
UniRef90_U2KSV7
UniRef90_M0LVX2
UniRef90_G7GLH2
UniRef90_B1X5T5
UniRef90_W0DLV8
UniRef90_UPI0004674249
UniRef90_A4T1T8
UniRef90_A0A031GIP6
UniRef90_R7PM67
UniRef90_R5D5T2

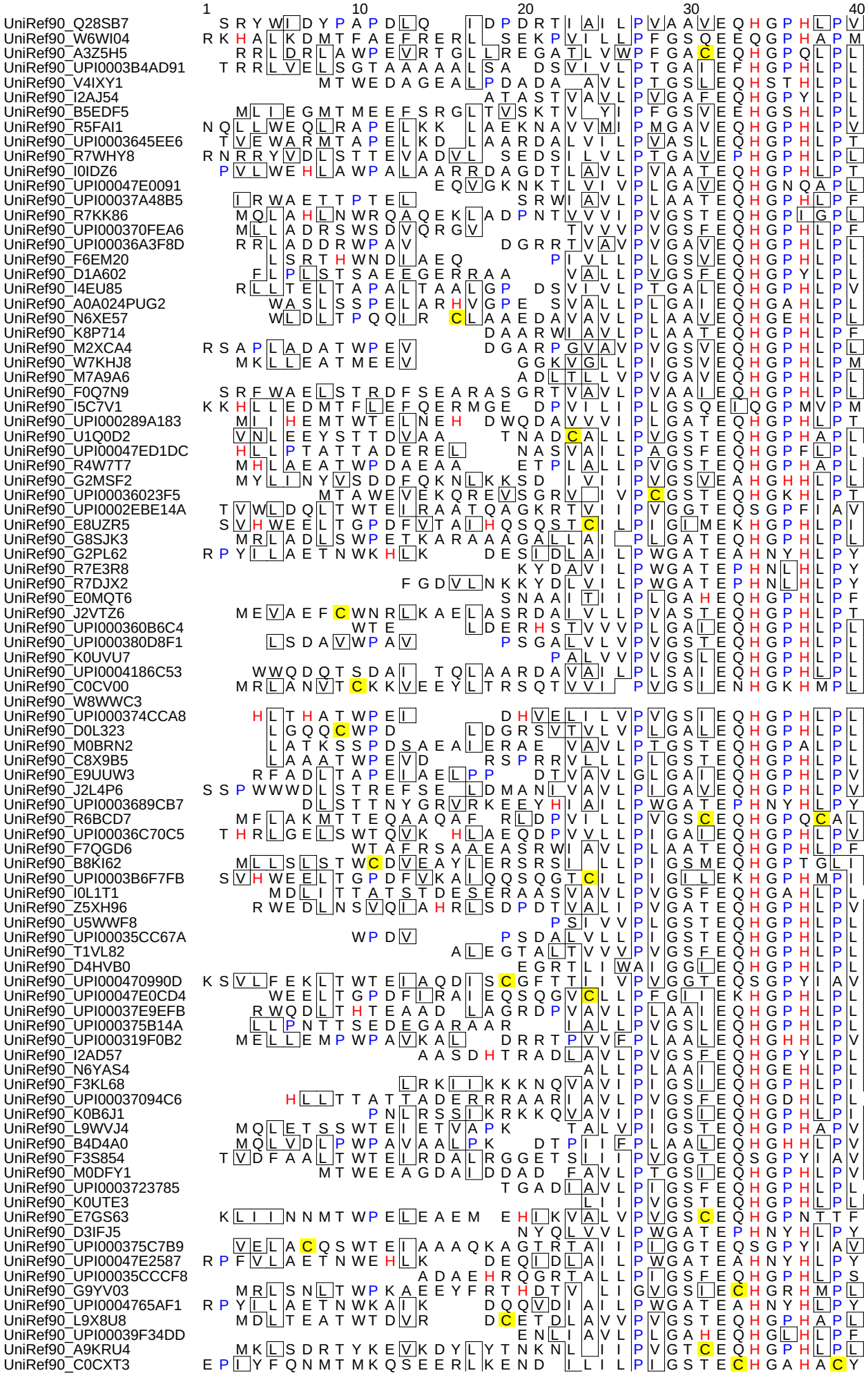

90
100
110
120
UniRef90_A3HZD3
UniRef90_UPI000370A504
UniRef90_Q0RHX4
UniRef90_R9T4R6
UniRef90_Q1YGT7
UniRef90_H5TFY4
UniRef90_W8IBU3
UniRef90_UPI0004678DF8
UniRef90_D2RV80
UniRef90_A1RDL8
UniRef90_A0A024KJ66
UniRef90_H0TNK8
UniRef90_UPI00035C6E4F
UniRef90_UPI0004772DBB
UniRef90_G2TG89
UniRef90_B5ILL5
UniRef90_R4UTV6
UniRef90_M3USI1
UniRef90_W2USI3
UniRef90_C1EA00
UniRef90_W0IYW7
UniRef90_K2J364
UniRef90_Q0I8M8
UniRef90_R4SMJ9
UniRef90_M0MY42
UniRef90_H5SKT7
UniRef90_E1R4M8
UniRef90_G8RWX6
UniRef90_K2LLX5
UniRef90_K2QCW7
UniRef90_UPI00016C5023
UniRef90_G0I0C4
UniRef90_UPI000362A188
UniRef90_D2RMQ5
UniRef90_UPI00047DD90E
UniRef90_A2C7R9
UniRef90_X1FWZ5
UniRef90_UPI00037B03A5
UniRef90_L9U9U3
UniRef90_J3CAV6
UniRef90_UPI0002FFD7D0
UniRef90_B2IIN3
UniRef90_U2FU89
UniRef90_I0H4K3
UniRef90_UPI00036EF885
UniRef90_UPI00036ECB7D
UniRef90_P9WP58
UniRef90_X0R975
UniRef90_A8AAB9
UniRef90_UPI0003740367
UniRef90_Q3A422
UniRef90_A8LJ96
UniRef90_A0A011UA90
UniRef90_D3D5N2
UniRef90_UPI000360BB7D
UniRef90_W4HUV0
UniRef90_E3EYB3
UniRef90_UPI00046FBB11
UniRef90_D9W4M6
UniRef90_R5UX37
UniRef90_I9KNE8
UniRef90_A0A011A755
UniRef90_UPI00046FD2DE
UniRef90_W0JQI9
UniRef90_H6N1Y6
UniRef90_H0F6Y5
UniRef90_UPI0001FFE6D7
UniRef90_Q3AV60
UniRef90_M0EY80
UniRef90_UPI00030FBA8C
UniRef90_U1QQ02
UniRef90_Q0BWG4
UniRef90_M0DSM2
UniRef90_R6MPE7
UniRef90_X8AL23
UniRef90_H0K1C9
UniRef90_D8JCZ5
UniRef90_UPI0001D2E204
UniRef90_A2C0Y9
UniRef90_A0A023NTN3
UniRef90_F8I3C3
UniRef90_UPI0003B76587
UniRef90_U2KSV7
UniRef90_M0LVX2
UniRef90_G7GLH2
UniRef90_B1X5T5
UniRef90_W0DLV8
UniRef90_UPI0004674249
UniRef90_A4T1T8
UniRef90_A0A031GIP6
UniRef90_R7PM67
UniRef90_R5D5T2

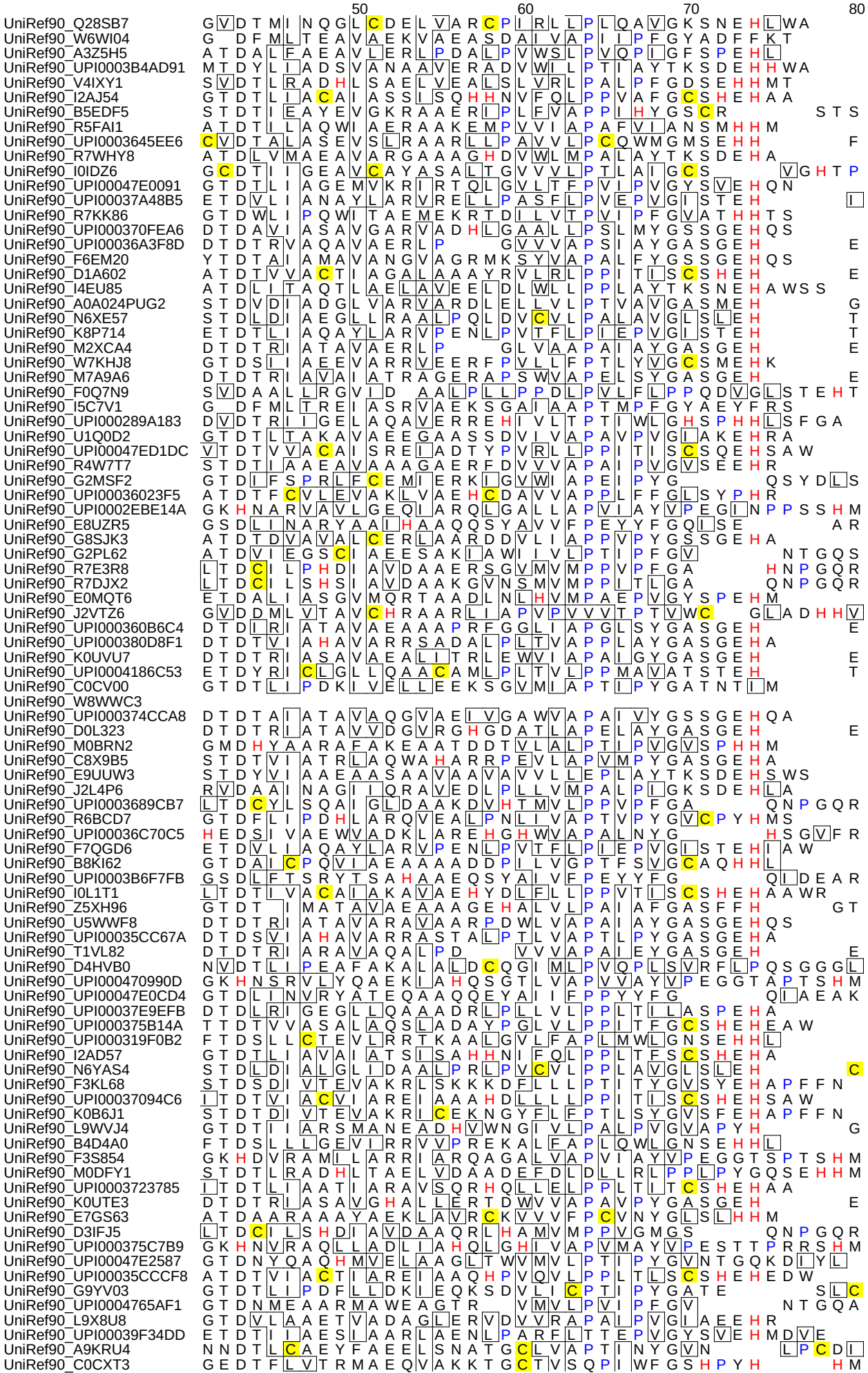

130
140
150
160
UniRef90_A3HZD3
UniRef90_UPI000370A504
UniRef90_Q0RHX4
UniRef90_R9T4R6
UniRef90_Q1YGT7
UniRef90_H5TFY4
UniRef90_W8IBU3
UniRef90_UPI0004678DF8
UniRef90_D2RV80
UniRef90_A1RDL8
UniRef90_A0A024KJ66
UniRef90_H0TNK8
UniRef90_UPI00035C6E4F
UniRef90_UPI0004772DBB
UniRef90_G2TG89
UniRef90_B5ILL5
UniRef90_R4UTV6
UniRef90_M3USI1
UniRef90_W2USI3
UniRef90_C1EA00
UniRef90_W0IYW7
UniRef90_K2J364
UniRef90_Q0I8M8
UniRef90_R4SMJ9
UniRef90_M0MY42
UniRef90_H5SKT7
UniRef90_E1R4M8
UniRef90_G8RWX6
UniRef90_K2LLX5
UniRef90_K2QCW7
UniRef90_UPI00016C5023
UniRef90_G0I0C4
UniRef90_UPI000362A188
UniRef90_D2RMQ5
UniRef90_UPI00047DD90E
UniRef90_A2C7R9
UniRef90_X1FWZ5
UniRef90_UPI00037B03A5
UniRef90_L9U9U3
UniRef90_J3CAV6
UniRef90_UPI0002FFD7D0
UniRef90_B2IIN3
UniRef90_U2FU89
UniRef90_I0H4K3
UniRef90_UPI00036EF885
UniRef90_UPI00036ECB7D
UniRef90_P9WP58
UniRef90_X0R975
UniRef90_A8AAB9
UniRef90_UPI0003740367
UniRef90_Q3A422
UniRef90_A8LJ96
UniRef90_A0A011UA90
UniRef90_D3D5N2
UniRef90_UPI000360BB7D
UniRef90_W4HUV0
UniRef90_E3EYB3
UniRef90_UPI00046FBB11
UniRef90_D9W4M6
UniRef90_R5UX37
UniRef90_I9KNE8
UniRef90_A0A011A755
UniRef90_UPI00046FD2DE
UniRef90_W0JQI9
UniRef90_H6N1Y6
UniRef90_H0F6Y5
UniRef90_UPI0001FFE6D7
UniRef90_Q3AV60
UniRef90_M0EY80
UniRef90_UPI00030FBA8C
UniRef90_U1QQ02
UniRef90_Q0BWG4
UniRef90_M0DSM2
UniRef90_R6MPE7
UniRef90_X8AL23
UniRef90_H0K1C9
UniRef90_D8JCZ5
UniRef90_UPI0001D2E204
UniRef90_A2C0Y9
UniRef90_A0A023NTN3
UniRef90_F8I3C3
UniRef90_UPI0003B76587
UniRef90_U2KSV7
UniRef90_M0LVX2
UniRef90_G7GLH2
UniRef90_B1X5T5
UniRef90_W0DLV8
UniRef90_UPI0004674249
UniRef90_A4T1T8
UniRef90_A0A031GIP6
UniRef90_R7PM67
UniRef90_R5D5T2

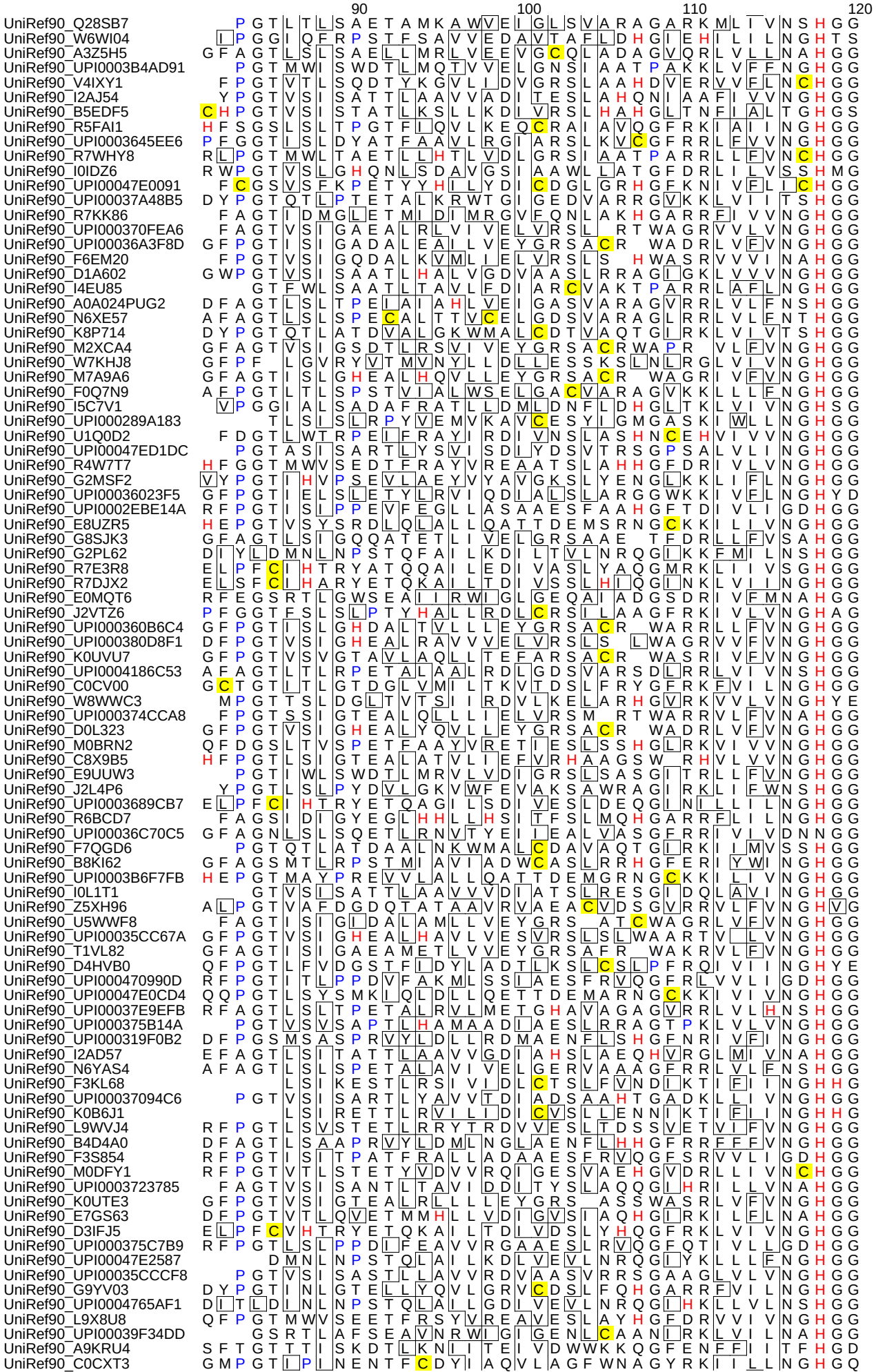

170
180
190
200
UniRef90_A3HZD3
UniRef90_UPI000370A504
UniRef90_Q0RHX4
UniRef90_R9T4R6
UniRef90_Q1YGT7
UniRef90_H5TFY4
UniRef90_W8IBU3
UniRef90_UPI0004678DF8
UniRef90_D2RV80
UniRef90_A1RDL8
UniRef90_A0A024KJ66
UniRef90_H0TNK8
UniRef90_UPI00035C6E4F
UniRef90_UPI0004772DBB
UniRef90_G2TG89
UniRef90_B5ILL5
UniRef90_R4UTV6
UniRef90_M3USI1
UniRef90_W2USI3
UniRef90_C1EA00
UniRef90_W0IYW7
UniRef90_K2J364
UniRef90_Q0I8M8
UniRef90_R4SMJ9
UniRef90_M0MY42
UniRef90_H5SKT7
UniRef90_E1R4M8
UniRef90_G8RWX6
UniRef90_K2LLX5
UniRef90_K2QCW7
UniRef90_UPI00016C5023
UniRef90_G0I0C4
UniRef90_UPI000362A188
UniRef90_D2RMQ5
UniRef90_UPI00047DD90E
UniRef90_A2C7R9
UniRef90_X1FWZ5
UniRef90_UPI00037B03A5
UniRef90_L9U9U3
UniRef90_J3CAV6
UniRef90_UPI0002FFD7D0
UniRef90_B2IIN3
UniRef90_U2FU89
UniRef90_I0H4K3
UniRef90_UPI00036EF885
UniRef90_UPI00036ECB7D
UniRef90_P9WP58
UniRef90_X0R975
UniRef90_A8AAB9
UniRef90_UPI0003740367
UniRef90_Q3A422
UniRef90_A8LJ96
UniRef90_A0A011UA90
UniRef90_D3D5N2
UniRef90_UPI000360BB7D
UniRef90_W4HUV0
UniRef90_E3EYB3
UniRef90_UPI00046FBB11
UniRef90_D9W4M6
UniRef90_R5UX37
UniRef90_I9KNE8
UniRef90_A0A011A755
UniRef90_UPI00046FD2DE
UniRef90_W0JQI9
UniRef90_H6N1Y6
UniRef90_H0F6Y5
UniRef90_UPI0001FFE6D7
UniRef90_Q3AV60
UniRef90_M0EY80
UniRef90_UPI00030FBA8C
UniRef90_U1QQ02
UniRef90_Q0BWG4
UniRef90_M0DSM2
UniRef90_R6MPE7
UniRef90_X8AL23
UniRef90_H0K1C9
UniRef90_D8JCZ5
UniRef90_UPI0001D2E204
UniRef90_A2C0Y9
UniRef90_A0A023NTN3
UniRef90_F8I3C3
UniRef90_UPI0003B76587
UniRef90_U2KSV7
UniRef90_M0LVX2
UniRef90_G7GLH2
UniRef90_B1X5T5
UniRef90_W0DLV8
UniRef90_UPI0004674249
UniRef90_A4T1T8
UniRef90_A0A031GIP6
UniRef90_R7PM67
UniRef90_R5D5T2

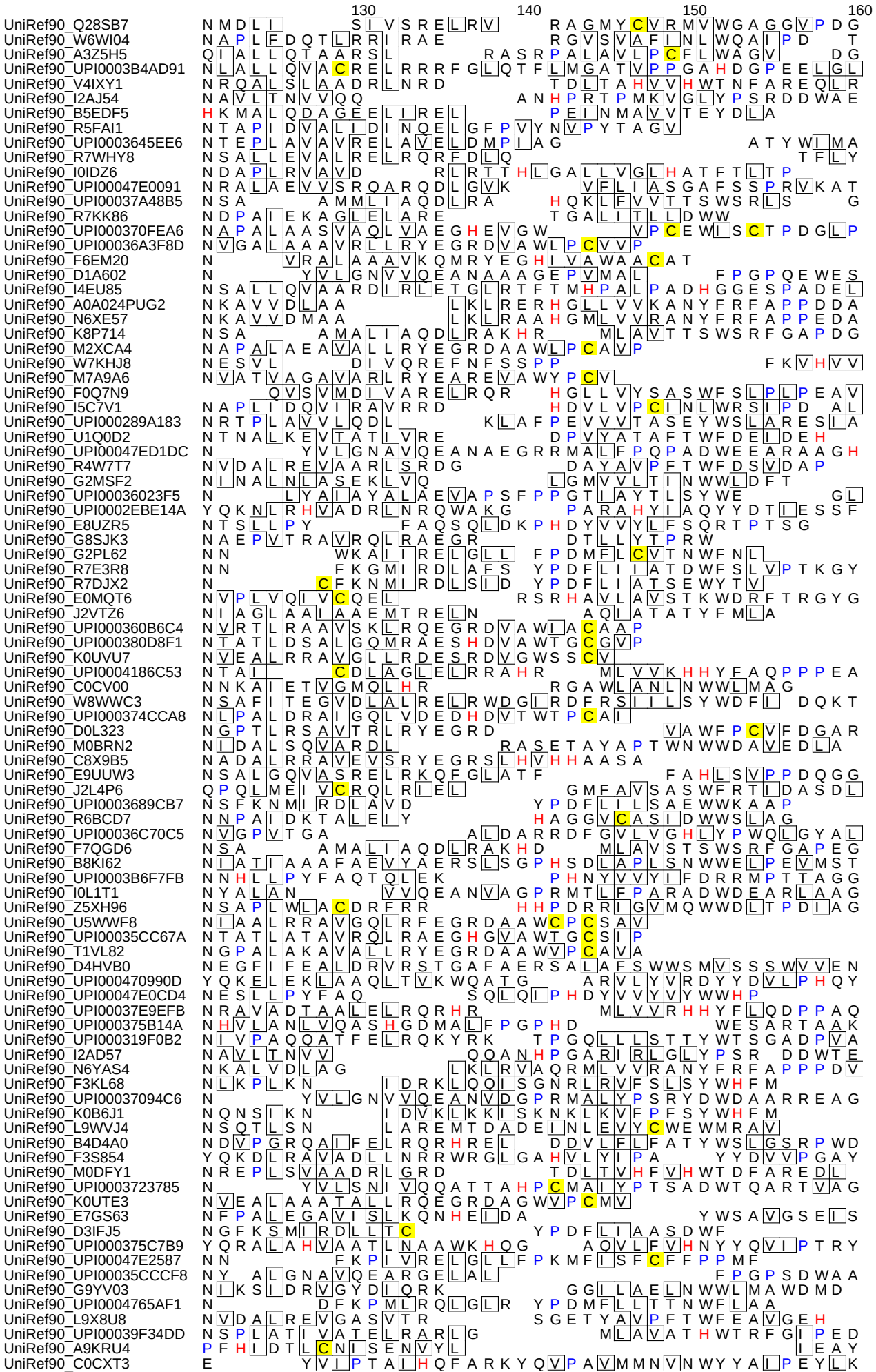

210
220
230
240
UniRef90_A3HZD3
UniRef90_UPI000370A504
UniRef90_Q0RHX4
UniRef90_R9T4R6
UniRef90_Q1YGT7
UniRef90_H5TFY4
UniRef90_W8IBU3
UniRef90_UPI0004678DF8
UniRef90_D2RV80
UniRef90_A1RDL8
UniRef90_A0A024KJ66
UniRef90_H0TNK8
UniRef90_UPI00035C6E4F
UniRef90_UPI0004772DBB
UniRef90_G2TG89
UniRef90_B5ILL5
UniRef90_R4UTV6
UniRef90_M3USI1
UniRef90_W2USI3
UniRef90_C1EA00
UniRef90_W0IYW7
UniRef90_K2J364
UniRef90_Q0I8M8
UniRef90_R4SMJ9
UniRef90_M0MY42
UniRef90_H5SKT7
UniRef90_E1R4M8
UniRef90_G8RWX6
UniRef90_K2LLX5
UniRef90_K2QCW7
UniRef90_UPI00016C5023
UniRef90_G0I0C4
UniRef90_UPI000362A188
UniRef90_D2RMQ5
UniRef90_UPI00047DD90E
UniRef90_A2C7R9
UniRef90_X1FWZ5
UniRef90_UPI00037B03A5
UniRef90_L9U9U3
UniRef90_J3CAV6
UniRef90_UPI0002FFD7D0
UniRef90_B2IIN3
UniRef90_U2FU89
UniRef90_I0H4K3
UniRef90_UPI00036EF885
UniRef90_UPI00036ECB7D
UniRef90_P9WP58
UniRef90_X0R975
UniRef90_A8AAB9
UniRef90_UPI0003740367
UniRef90_Q3A422
UniRef90_A8LJ96
UniRef90_A0A011UA90
UniRef90_D3D5N2
UniRef90_UPI000360BB7D
UniRef90_W4HUV0
UniRef90_E3EYB3
UniRef90_UPI00046FBB11
UniRef90_D9W4M6
UniRef90_R5UX37
UniRef90_I9KNE8
UniRef90_A0A011A755
UniRef90_UPI00046FD2DE
UniRef90_W0JQI9
UniRef90_H6N1Y6
UniRef90_H0F6Y5
UniRef90_UPI0001FFE6D7
UniRef90_Q3AV60
UniRef90_M0EY80
UniRef90_UPI00030FBA8C
UniRef90_U1QQ02
UniRef90_Q0BWG4
UniRef90_M0DSM2
UniRef90_R6MPE7
UniRef90_X8AL23
UniRef90_H0K1C9
UniRef90_D8JCZ5
UniRef90_UPI0001D2E204
UniRef90_A2C0Y9
UniRef90_A0A023NTN3
UniRef90_F8I3C3
UniRef90_UPI0003B76587
UniRef90_U2KSV7
UniRef90_M0LVX2
UniRef90_G7GLH2
UniRef90_B1X5T5
UniRef90_W0DLV8
UniRef90_UPI0004674249
UniRef90_A4T1T8
UniRef90_A0A031GIP6
UniRef90_R7PM67
UniRef90_R5D5T2

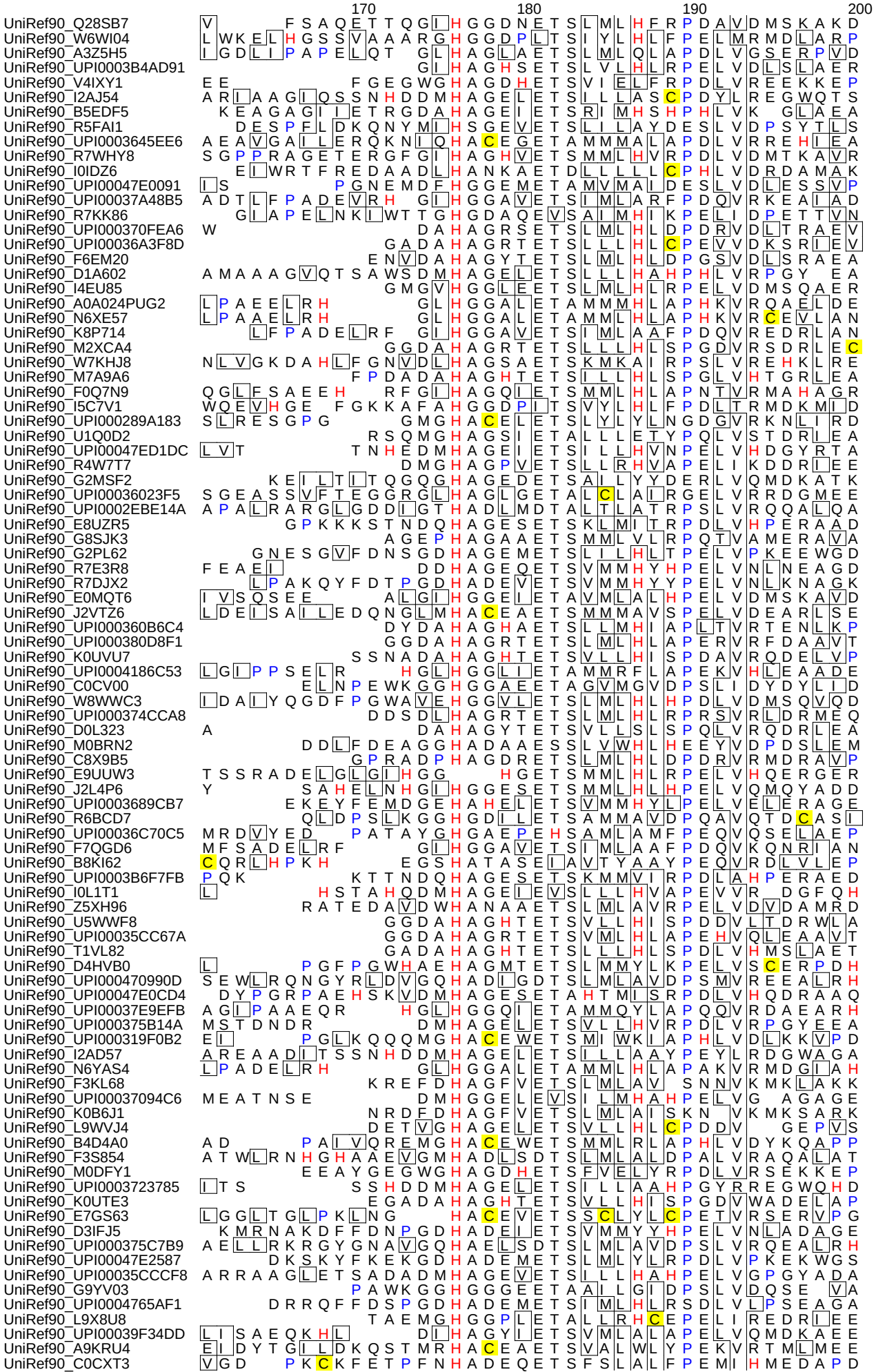

250
UniRef90_A3HZD3 E D A T N K V A Q L M T E
UniRef90_UPI000370A504 A G L A E A F
UniRef90_Q0RHX4 E A M V V A A G Q S L A E R F D P
UniRef90_R9T4R6 E F V V N R L V E E I K K S F
UniRef90_Q1YGT7 E A V T E Q L L A V V R D
UniRef90_H5TFY4 E H L V S T L S A A I R R W
UniRef90_W8IBU3 A H A V T G V I E L L T D
UniRef90_UPI0004678DF8 A L H A R E V A K L I
UniRef90_D2RV80 E T A V D A L V S F L E R
UniRef90_A1RDL8 E H I V D R L C E V I
UniRef90_A0A024KJ66 E R E V T G M L E L L A D
UniRef90_H0TNK8
UniRef90_UPI00035C6E4F D H G A R A F L E L L R D
UniRef90_UPI0004772DBB D A L A R A F R A H L
UniRef90_G2TG89 D V L V D Y L V A Y L T K R
UniRef90_B5ILL5 E R L V D G W V R L L T S T W P P
UniRef90_R4UTV6 D H L G R N A A A L I
UniRef90_M3USI1 D E N S R D L A A S L E S W
UniRef90_W2USI3 K A T S D A I A E F L I D
UniRef90_C1EA00 E S S A R G L A R L I E E
UniRef90_W0IYW7
UniRef90_K2J364
UniRef90_Q0I8M8 R H W V H L F G S L L A S D W P P
UniRef90_R4SMJ9 A S L V E S F G D T L
UniRef90_M0MY42 E D A T T A L V T L L E
UniRef90_H5SKT7 A A Q V Q A I V R F A R Q A F
UniRef90_E1R4M8 D V C V E F I S E F I E E
UniRef90_G8RWX6 D H L G R N A A A L I
UniRef90_K2LLX5 S Y L V E Y C A D F I R H
UniRef90_K2QCW7 D H A V A G V L E L L E D
UniRef90_UPI00016C5023 A H F A A G V V A Y L E R
UniRef90_G0I0C4 S V I G D E L A A L M
UniRef90_UPI000362A188 D S L T W S F S A L L
UniRef90_D2RMQ5 E A C L A R I L K F I K A Y Y
UniRef90_UPI00047DD90E E H T I T S L A R A L K
UniRef90_A2C7R9 D H W V N L L I S L M G S Q W P P
UniRef90_X1FWZ5
UniRef90_UPI00037B03A5 A H Q A A G F V K L L Q D
UniRef90_L9U9U3 H H Y A R Q L A A V V T E H L P P
UniRef90_J3CAV6
UniRef90_UPI0002FFD7D0 E H W Y K L F L S L M S S D W P
UniRef90_B2IIN3 D Y A A T A F I E L L Q D
UniRef90_U2FU89 A Q F S A R L A Q V I D E
UniRef90_I0H4K3 E A V V N T T L R R I R
UniRef90_UPI00036EF885 D Q A L A A L V Q F L E K T W P
UniRef90_UPI00036ECB7D E H Y A G H L A A T I R D A
UniRef90_P9WP58 A A M V D D C V R R V A R W M P
UniRef90_X0R975 N R L S K K T A Q A
UniRef90_A8AAB9 E V A A E E L A
UniRef90_UPI0003740367 K T I T E K V A A V L L E
UniRef90_Q3A422 R L V V D A L E R F V D K
UniRef90_A8LJ96 A H Q V G G M I D L L R K
UniRef90_A0A011UA90 D H A A G R L V E L L A E
UniRef90_D3D5N2 A G L S S A F
UniRef90_UPI000360BB7D A A M V E E V L D G V L E R
UniRef90_W4HUV0 D H L G R A A G E L I
UniRef90_E3EYB3 E
UniRef90_UPI00046FBB11 E L I C R E L Q E Q I R
UniRef90_D9W4M6 D Q V A A Q L A D A V L R E F
UniRef90_R5UX37 E A V A E K Y A R L F D E
UniRef90_I9KNE8 D A Y V D N A V E R L L S W
UniRef90_A0A011A755 Q T T A D Y V V D L I E E
UniRef90_UPI00046FD2DE G M Q I S A A V Q A I Q A A
UniRef90_W0JQI9 E T A V D A L C S F L D R
UniRef90_H6N1Y6 T R V V D D L T R A L G E W
UniRef90_H0F6Y5 N D A V A Y L S D A
UniRef90_UPI0001FFE6D7 T A I V D A A S A A I D A W D P
UniRef90_Q3AV60 L H W T Q R F K S L L S S D W P P
UniRef90_M0EY80 D R A S A A L A E L
UniRef90_UPI00030FBA8C E A S G R A L A Q L L T E I L P P
UniRef90_U1QQ02 D L A S D R L A S L L
UniRef90_Q0BWG4 A V A A K C V L E E V A R
UniRef90_M0DSM2 G R A S D
UniRef90_R6MPE7 V A L L D Y I V D F V N E
UniRef90_X8AL23 D H L A D T L I E L L
UniRef90_H0K1C9 D A I V G R I V D F A E E W L
UniRef90_D8JCZ5 T R L V S A F S E R I R T E
UniRef90_UPI0001D2E204
UniRef90_A2C0Y9 N A L V D H F T S L L E S D W P P
UniRef90_A0A023NTN3 D A I V L H T V D A L K K A
UniRef90_F8I3C3 Q A M V D H F V Q V L H D
UniRef90_UPI0003B76587 T A L V D Y L V D F V T R
UniRef90_U2KSV7 K I L L E Y C T K T M R
UniRef90_M0LVX2 D G A T T A L A N L L Q E
UniRef90_G7GLH2 A D R V T E L V A A L G E
UniRef90_B1X5T5 T L L V N G W S A L L D S S W P P
UniRef90_W0DLV8 A Y Y G D A L A R V I R E A F P
UniRef90_UPI0004674249 E R W T E S L V A A V A E R F
UniRef90_A4T1T8 A E M V D A C A A R V V R W E P
UniRef90_A0A031GIP6 K L Q V D T S V A A I K Q
UniRef90_R7PM67 Q T T A D Y I L D L I E E
UniRef90_R5D5T2 E T T A N Y I V D F M E E

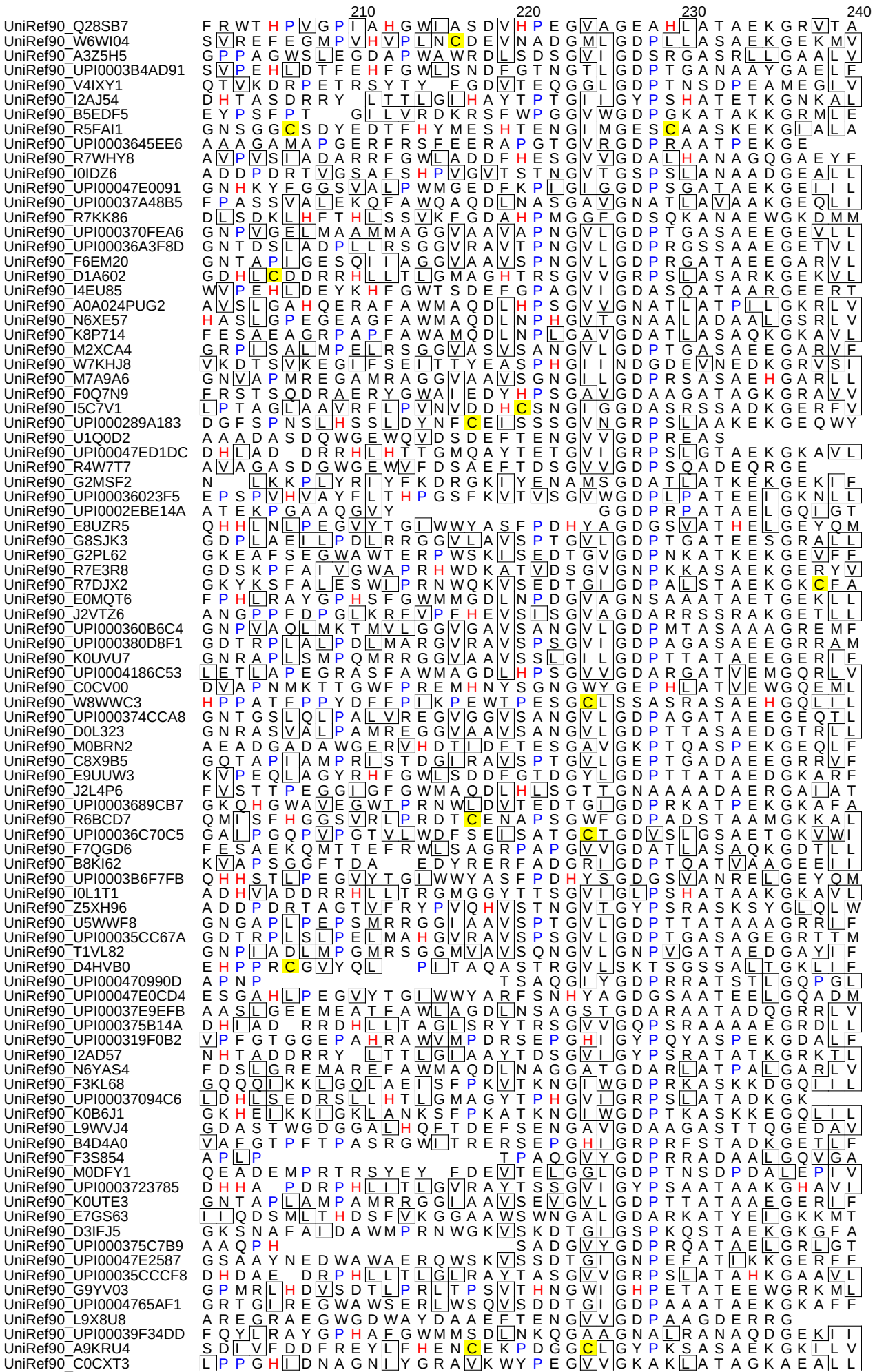

1
10
20
30
40
UniRef90_Q28SB7
UniRef90_W6WI04
UniRef90_A3Z5H5
UniRef90_UPI0003B4AD91
UniRef90_V4IXY1
UniRef90_I2AJ54
UniRef90_B5EDF5
UniRef90_R5FAI1
UniRef90_UPI0003645EE6
UniRef90_R7WHY8
UniRef90_I0IDZ6
UniRef90_UPI00047E0091
UniRef90_UPI00037A48B5
UniRef90_R7KK86
UniRef90_UPI000370FEA6
UniRef90_UPI00036A3F8D
UniRef90_F6EM20
UniRef90_D1A602
UniRef90_I4EU85
UniRef90_A0A024PUG2
UniRef90_N6XE57
UniRef90_K8P714
UniRef90_M2XCA4
UniRef90_W7KHJ8
UniRef90_M7A9A6
UniRef90_F0Q7N9
UniRef90_I5C7V1
UniRef90_UPI000289A183
UniRef90_U1Q0D2
UniRef90_UPI00047ED1DC
UniRef90_R4W7T7
UniRef90_G2MSF2
UniRef90_UPI00036023F5
UniRef90_UPI0002EBE14A
UniRef90_E8UZR5
UniRef90_G8SJK3
UniRef90_G2PL62
UniRef90_R7E3R8
UniRef90_R7DJX2
UniRef90_E0MQT6
UniRef90_J2VTZ6
UniRef90_UPI000360B6C4
UniRef90_UPI000380D8F1
UniRef90_K0UVU7
UniRef90_UPI0004186C53
UniRef90_C0CV00
UniRef90_W8WWC3
UniRef90_UPI000374CCA8
UniRef90_D0L323
UniRef90_M0BRN2
UniRef90_C8X9B5
UniRef90_E9UUW3
UniRef90_J2L4P6
UniRef90_UPI0003689CB7
UniRef90_R6BCD7
UniRef90_UPI00036C70C5
UniRef90_F7QGD6
UniRef90_B8KI62
UniRef90_UPI0003B6F7FB
UniRef90_I0L1T1
UniRef90_Z5XH96
UniRef90_U5WWF8
UniRef90_UPI00035CC67A
UniRef90_T1VL82
UniRef90_D4HVB0
UniRef90_UPI000470990D
UniRef90_UPI00047E0CD4
UniRef90_UPI00037E9EFB
UniRef90_UPI000375B14A
UniRef90_UPI000319F0B2
UniRef90_I2AD57
UniRef90_N6YAS4
UniRef90_F3KL68
UniRef90_UPI00037094C6
UniRef90_K0B6J1
UniRef90_L9WVJ4
UniRef90_B4D4A0
UniRef90_F3S854
UniRef90_M0DFY1
UniRef90_UPI0003723785
UniRef90_K0UTE3
UniRef90_E7GS63
UniRef90_D3IFJ5
UniRef90_UPI000375C7B9
UniRef90_UPI00047E2587
UniRef90_UPI00035CCCF8
UniRef90_G9YV03
UniRef90_UPI0004765AF1
UniRef90_L9X8U8
UniRef90_UPI00039F34DD
UniRef90_A9KRU4
UniRef90_C0CXT3

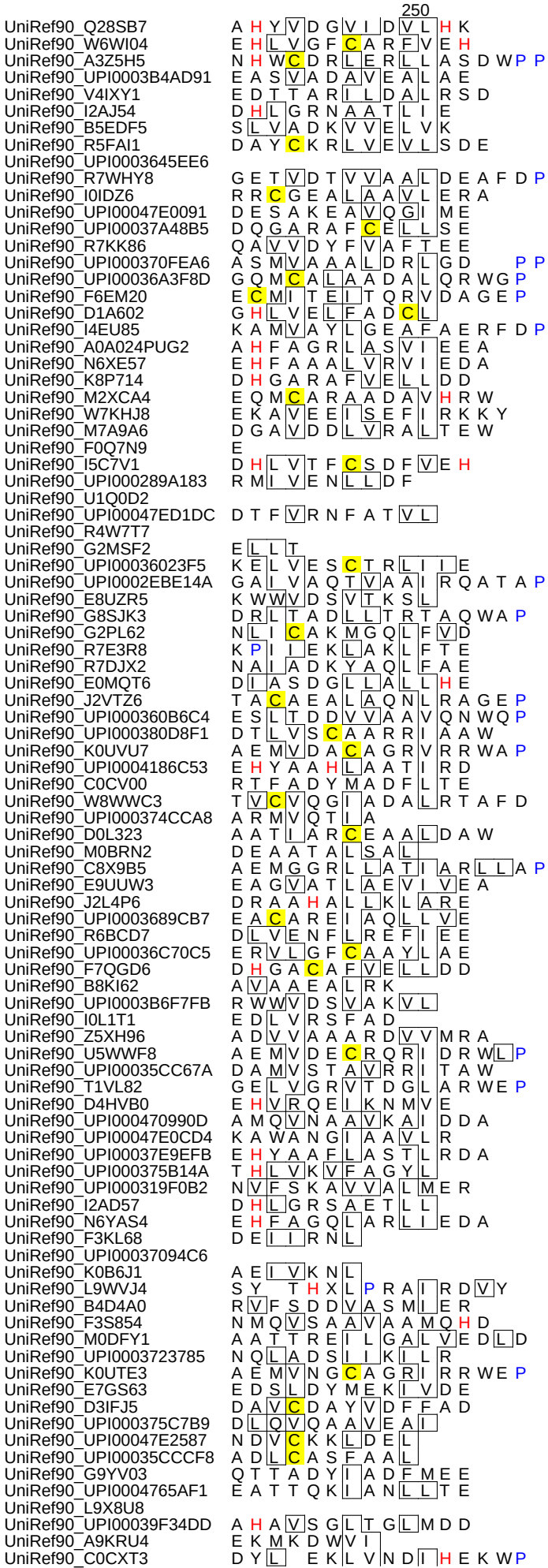

50
60
70
80
UniRef90_Q28SB7
UniRef90_W6WI04
UniRef90_A3Z5H5
UniRef90_UPI0003B4AD91
UniRef90_V4IXY1
UniRef90_I2AJ54
UniRef90_B5EDF5
UniRef90_R5FAI1
UniRef90_UPI0003645EE6
UniRef90_R7WHY8
UniRef90_I0IDZ6
UniRef90_UPI00047E0091
UniRef90_UPI00037A48B5
UniRef90_R7KK86
UniRef90_UPI000370FEA6
UniRef90_UPI00036A3F8D
UniRef90_F6EM20
UniRef90_D1A602
UniRef90_I4EU85
UniRef90_A0A024PUG2
UniRef90_N6XE57
UniRef90_K8P714
UniRef90_M2XCA4
UniRef90_W7KHJ8
UniRef90_M7A9A6
UniRef90_F0Q7N9
UniRef90_I5C7V1
UniRef90_UPI000289A183
UniRef90_U1Q0D2
UniRef90_UPI00047ED1DC
UniRef90_R4W7T7
UniRef90_G2MSF2
UniRef90_UPI00036023F5
UniRef90_UPI0002EBE14A
UniRef90_E8UZR5
UniRef90_G8SJK3
UniRef90_G2PL62
UniRef90_R7E3R8
UniRef90_R7DJX2
UniRef90_E0MQT6
UniRef90_J2VTZ6
UniRef90_UPI000360B6C4
UniRef90_UPI000380D8F1
UniRef90_K0UVU7
UniRef90_UPI0004186C53
UniRef90_C0CV00
UniRef90_W8WWC3
UniRef90_UPI000374CCA8
UniRef90_D0L323
UniRef90_M0BRN2
UniRef90_C8X9B5
UniRef90_E9UUW3
UniRef90_J2L4P6
UniRef90_UPI0003689CB7
UniRef90_R6BCD7
UniRef90_UPI00036C70C5
UniRef90_F7QGD6
UniRef90_B8KI62
UniRef90_UPI0003B6F7FB
UniRef90_I0L1T1
UniRef90_Z5XH96
UniRef90_U5WWF8
UniRef90_UPI00035CC67A
UniRef90_T1VL82
UniRef90_D4HVB0
UniRef90_UPI000470990D
UniRef90_UPI00047E0CD4
UniRef90_UPI00037E9EFB
UniRef90_UPI000375B14A
UniRef90_UPI000319F0B2
UniRef90_I2AD57
UniRef90_N6YAS4
UniRef90_F3KL68
UniRef90_UPI00037094C6
UniRef90_K0B6J1
UniRef90_L9WVJ4
UniRef90_B4D4A0
UniRef90_F3S854
UniRef90_M0DFY1
UniRef90_UPI0003723785
UniRef90_K0UTE3
UniRef90_E7GS63
UniRef90_D3IFJ5
UniRef90_UPI000375C7B9
UniRef90_UPI00047E2587
UniRef90_UPI00035CCCF8
UniRef90_G9YV03
UniRef90_UPI0004765AF1
UniRef90_L9X8U8
UniRef90_UPI00039F34DD
UniRef90_A9KRU4
UniRef90_C0CXT3

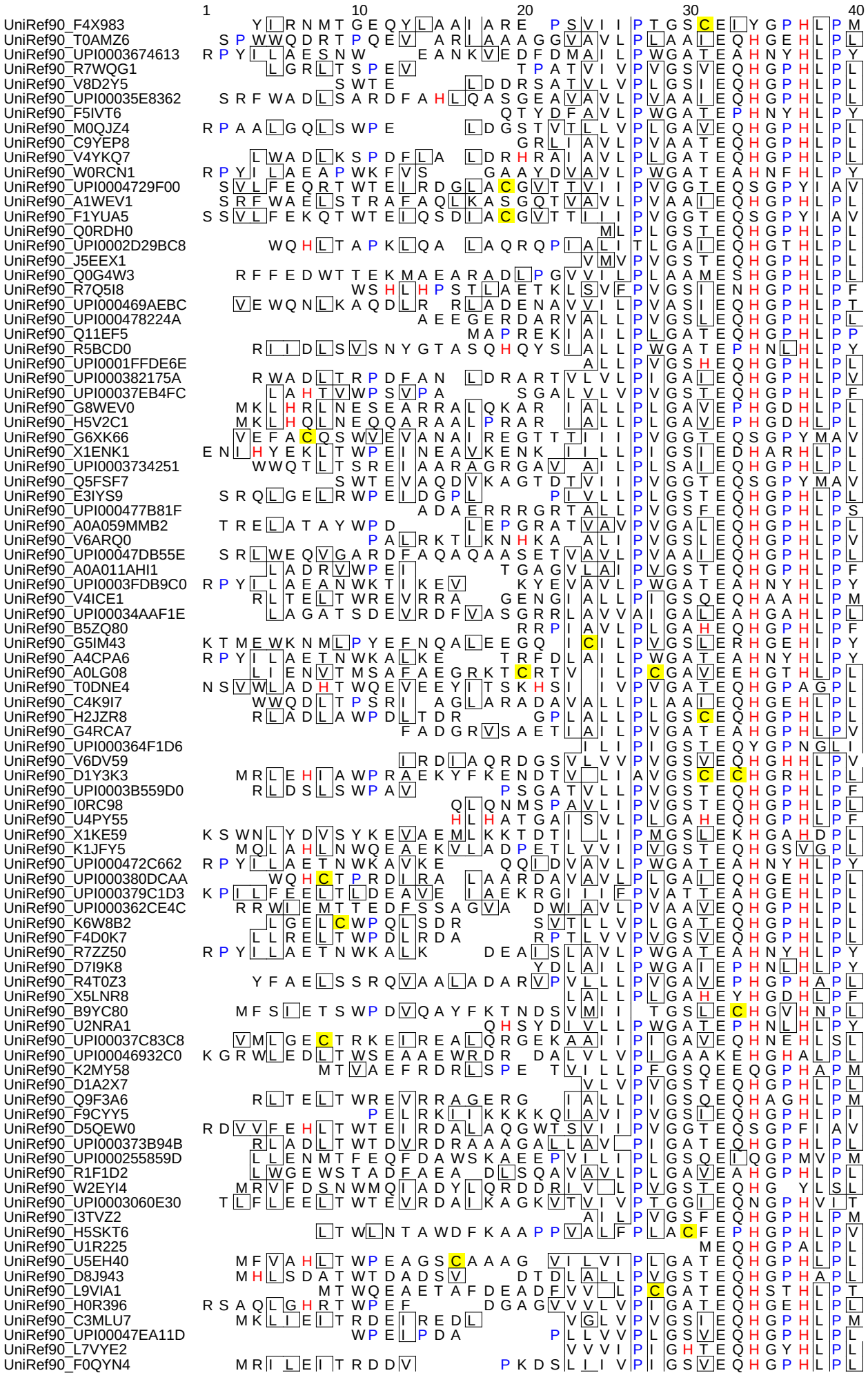

90
100
110
120
UniRef90_Q28SB7
UniRef90_W6WI04
UniRef90_A3Z5H5
UniRef90_UPI0003B4AD91
UniRef90_V4IXY1
UniRef90_I2AJ54
UniRef90_B5EDF5
UniRef90_R5FAI1
UniRef90_UPI0003645EE6
UniRef90_R7WHY8
UniRef90_I0IDZ6
UniRef90_UPI00047E0091
UniRef90_UPI00037A48B5
UniRef90_R7KK86
UniRef90_UPI000370FEA6
UniRef90_UPI00036A3F8D
UniRef90_F6EM20
UniRef90_D1A602
UniRef90_I4EU85
UniRef90_A0A024PUG2
UniRef90_N6XE57
UniRef90_K8P714
UniRef90_M2XCA4
UniRef90_W7KHJ8
UniRef90_M7A9A6
UniRef90_F0Q7N9
UniRef90_I5C7V1
UniRef90_UPI000289A183
UniRef90_U1Q0D2
UniRef90_UPI00047ED1DC
UniRef90_R4W7T7
UniRef90_G2MSF2
UniRef90_UPI00036023F5
UniRef90_UPI0002EBE14A
UniRef90_E8UZR5
UniRef90_G8SJK3
UniRef90_G2PL62
UniRef90_R7E3R8
UniRef90_R7DJX2
UniRef90_E0MQT6
UniRef90_J2VTZ6
UniRef90_UPI000360B6C4
UniRef90_UPI000380D8F1
UniRef90_K0UVU7
UniRef90_UPI0004186C53
UniRef90_C0CV00
UniRef90_W8WWC3
UniRef90_UPI000374CCA8
UniRef90_D0L323
UniRef90_M0BRN2
UniRef90_C8X9B5
UniRef90_E9UUW3
UniRef90_J2L4P6
UniRef90_UPI0003689CB7
UniRef90_R6BCD7
UniRef90_UPI00036C70C5
UniRef90_F7QGD6
UniRef90_B8KI62
UniRef90_UPI0003B6F7FB
UniRef90_I0L1T1
UniRef90_Z5XH96
UniRef90_U5WWF8
UniRef90_UPI00035CC67A
UniRef90_T1VL82
UniRef90_D4HVB0
UniRef90_UPI000470990D
UniRef90_UPI00047E0CD4
UniRef90_UPI00037E9EFB
UniRef90_UPI000375B14A
UniRef90_UPI000319F0B2
UniRef90_I2AD57
UniRef90_N6YAS4
UniRef90_F3KL68
UniRef90_UPI00037094C6
UniRef90_K0B6J1
UniRef90_L9WVJ4
UniRef90_B4D4A0
UniRef90_F3S854
UniRef90_M0DFY1
UniRef90_UPI0003723785
UniRef90_K0UTE3
UniRef90_E7GS63
UniRef90_D3IFJ5
UniRef90_UPI000375C7B9
UniRef90_UPI00047E2587
UniRef90_UPI00035CCCF8
UniRef90_G9YV03
UniRef90_UPI0004765AF1
UniRef90_L9X8U8
UniRef90_UPI00039F34DD
UniRef90_A9KRU4
UniRef90_C0CXT3

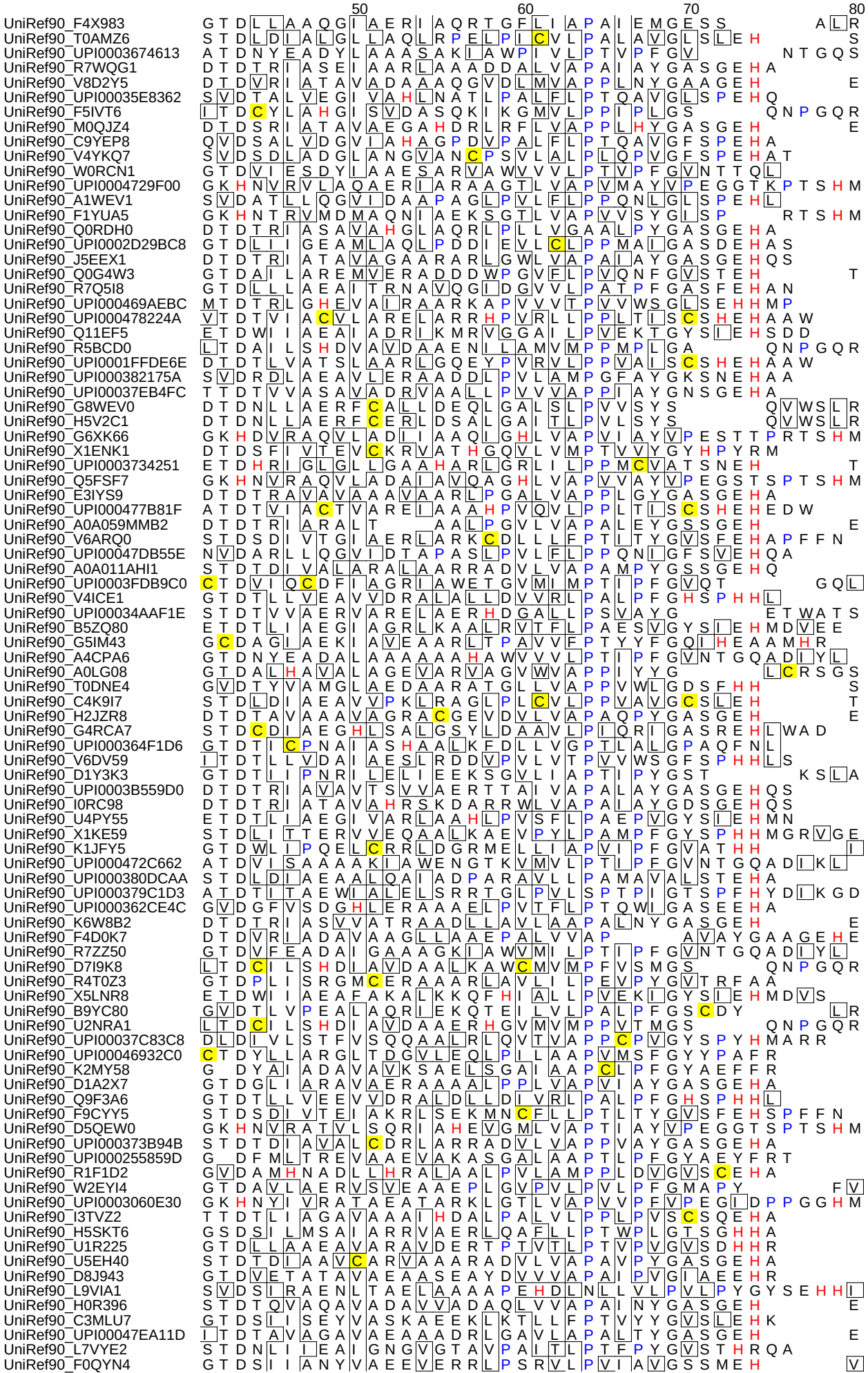

130
140
150
160
UniRef90_Q28SB7
UniRef90_W6WI04
UniRef90_A3Z5H5
UniRef90_UPI0003B4AD91
UniRef90_V4IXY1
UniRef90_I2AJ54
UniRef90_B5EDF5
UniRef90_R5FAI1
UniRef90_UPI0003645EE6
UniRef90_R7WHY8
UniRef90_I0IDZ6
UniRef90_UPI00047E0091
UniRef90_UPI00037A48B5
UniRef90_R7KK86
UniRef90_UPI000370FEA6
UniRef90_UPI00036A3F8D
UniRef90_F6EM20
UniRef90_D1A602
UniRef90_I4EU85
UniRef90_A0A024PUG2
UniRef90_N6XE57
UniRef90_K8P714
UniRef90_M2XCA4
UniRef90_W7KHJ8
UniRef90_M7A9A6
UniRef90_F0Q7N9
UniRef90_I5C7V1
UniRef90_UPI000289A183
UniRef90_U1Q0D2
UniRef90_UPI00047ED1DC
UniRef90_R4W7T7
UniRef90_G2MSF2
UniRef90_UPI00036023F5
UniRef90_UPI0002EBE14A
UniRef90_E8UZR5
UniRef90_G8SJK3
UniRef90_G2PL62
UniRef90_R7E3R8
UniRef90_R7DJX2
UniRef90_E0MQT6
UniRef90_J2VTZ6
UniRef90_UPI000360B6C4
UniRef90_UPI000380D8F1
UniRef90_K0UVU7
UniRef90_UPI0004186C53
UniRef90_C0CV00
UniRef90_W8WWC3
UniRef90_UPI000374CCA8
UniRef90_D0L323
UniRef90_M0BRN2
UniRef90_C8X9B5
UniRef90_E9UUW3
UniRef90_J2L4P6
UniRef90_UPI0003689CB7
UniRef90_R6BCD7
UniRef90_UPI00036C70C5
UniRef90_F7QGD6
UniRef90_B8KI62
UniRef90_UPI0003B6F7FB
UniRef90_I0L1T1
UniRef90_Z5XH96
UniRef90_U5WWF8
UniRef90_UPI00035CC67A
UniRef90_T1VL82
UniRef90_D4HVB0
UniRef90_UPI000470990D
UniRef90_UPI00047E0CD4
UniRef90_UPI00037E9EFB
UniRef90_UPI000375B14A
UniRef90_UPI000319F0B2
UniRef90_I2AD57
UniRef90_N6YAS4
UniRef90_F3KL68
UniRef90_UPI00037094C6
UniRef90_K0B6J1
UniRef90_L9WVJ4
UniRef90_B4D4A0
UniRef90_F3S854
UniRef90_M0DFY1
UniRef90_UPI0003723785
UniRef90_K0UTE3
UniRef90_E7GS63
UniRef90_D3IFJ5
UniRef90_UPI000375C7B9
UniRef90_UPI00047E2587
UniRef90_UPI00035CCCF8
UniRef90_G9YV03
UniRef90_UPI0004765AF1
UniRef90_L9X8U8
UniRef90_UPI00039F34DD
UniRef90_A9KRU4
UniRef90_C0CXT3

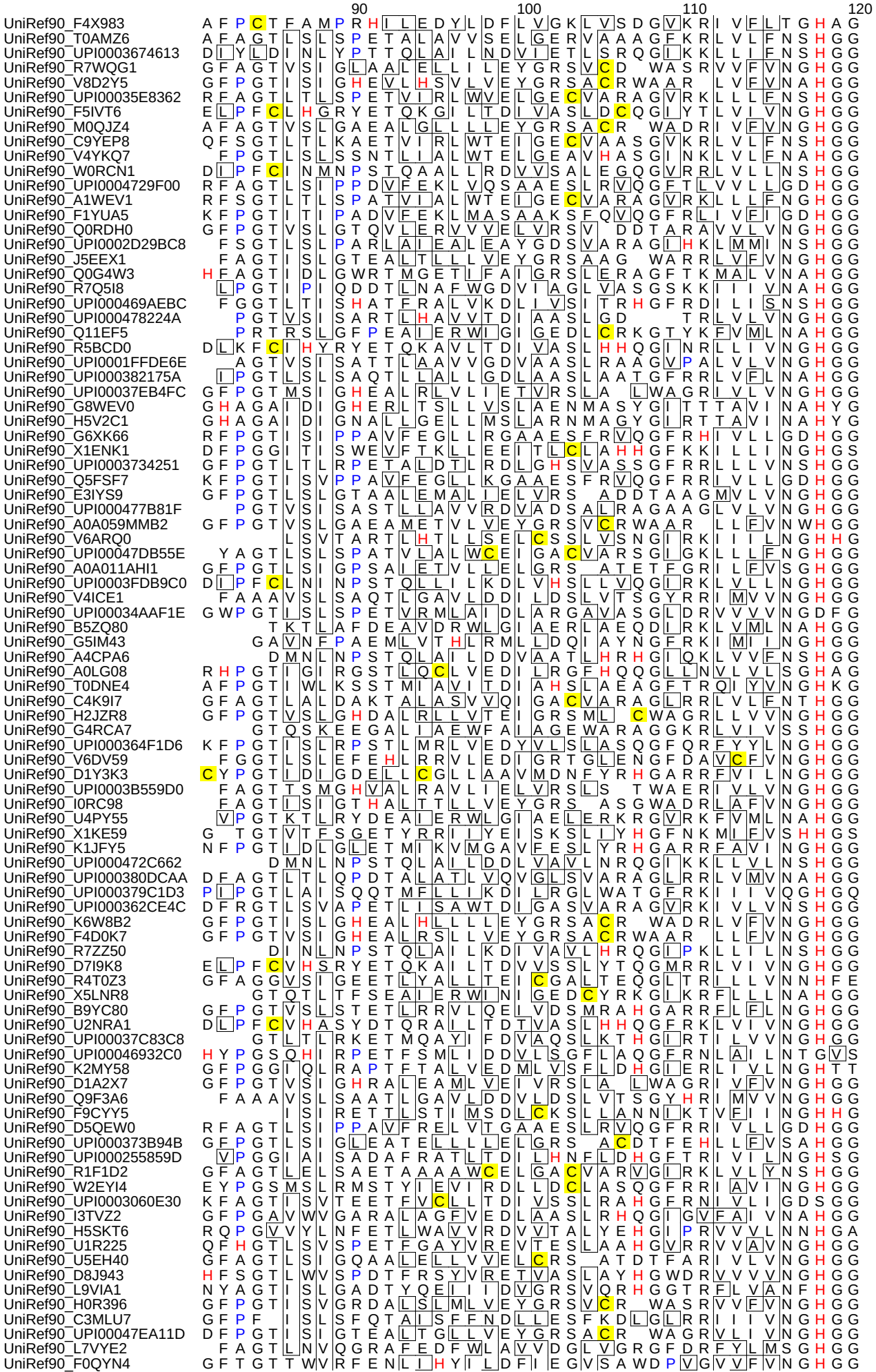

170
180
190
200
UniRef90_Q28SB7
UniRef90_W6WI04
UniRef90_A3Z5H5
UniRef90_UPI0003B4AD91
UniRef90_V4IXY1
UniRef90_I2AJ54
UniRef90_B5EDF5
UniRef90_R5FAI1
UniRef90_UPI0003645EE6
UniRef90_R7WHY8
UniRef90_I0IDZ6
UniRef90_UPI00047E0091
UniRef90_UPI00037A48B5
UniRef90_R7KK86
UniRef90_UPI000370FEA6
UniRef90_UPI00036A3F8D
UniRef90_F6EM20
UniRef90_D1A602
UniRef90_I4EU85
UniRef90_A0A024PUG2
UniRef90_N6XE57
UniRef90_K8P714
UniRef90_M2XCA4
UniRef90_W7KHJ8
UniRef90_M7A9A6
UniRef90_F0Q7N9
UniRef90_I5C7V1
UniRef90_UPI000289A183
UniRef90_U1Q0D2
UniRef90_UPI00047ED1DC
UniRef90_R4W7T7
UniRef90_G2MSF2
UniRef90_UPI00036023F5
UniRef90_UPI0002EBE14A
UniRef90_E8UZR5
UniRef90_G8SJK3
UniRef90_G2PL62
UniRef90_R7E3R8
UniRef90_R7DJX2
UniRef90_E0MQT6
UniRef90_J2VTZ6
UniRef90_UPI000360B6C4
UniRef90_UPI000380D8F1
UniRef90_K0UVU7
UniRef90_UPI0004186C53
UniRef90_C0CV00
UniRef90_W8WWC3
UniRef90_UPI000374CCA8
UniRef90_D0L323
UniRef90_M0BRN2
UniRef90_C8X9B5
UniRef90_E9UUW3
UniRef90_J2L4P6
UniRef90_UPI0003689CB7
UniRef90_R6BCD7
UniRef90_UPI00036C70C5
UniRef90_F7QGD6
UniRef90_B8KI62
UniRef90_UPI0003B6F7FB
UniRef90_I0L1T1
UniRef90_Z5XH96
UniRef90_U5WWF8
UniRef90_UPI00035CC67A
UniRef90_T1VL82
UniRef90_D4HVB0
UniRef90_UPI000470990D
UniRef90_UPI00047E0CD4
UniRef90_UPI00037E9EFB
UniRef90_UPI000375B14A
UniRef90_UPI000319F0B2
UniRef90_I2AD57
UniRef90_N6YAS4
UniRef90_F3KL68
UniRef90_UPI00037094C6
UniRef90_K0B6J1
UniRef90_L9WVJ4
UniRef90_B4D4A0
UniRef90_F3S854
UniRef90_M0DFY1
UniRef90_UPI0003723785
UniRef90_K0UTE3
UniRef90_E7GS63
UniRef90_D3IFJ5
UniRef90_UPI000375C7B9
UniRef90_UPI00047E2587
UniRef90_UPI00035CCCF8
UniRef90_G9YV03
UniRef90_UPI0004765AF1
UniRef90_L9X8U8
UniRef90_UPI00039F34DD
UniRef90_A9KRU4
UniRef90_C0CXT3

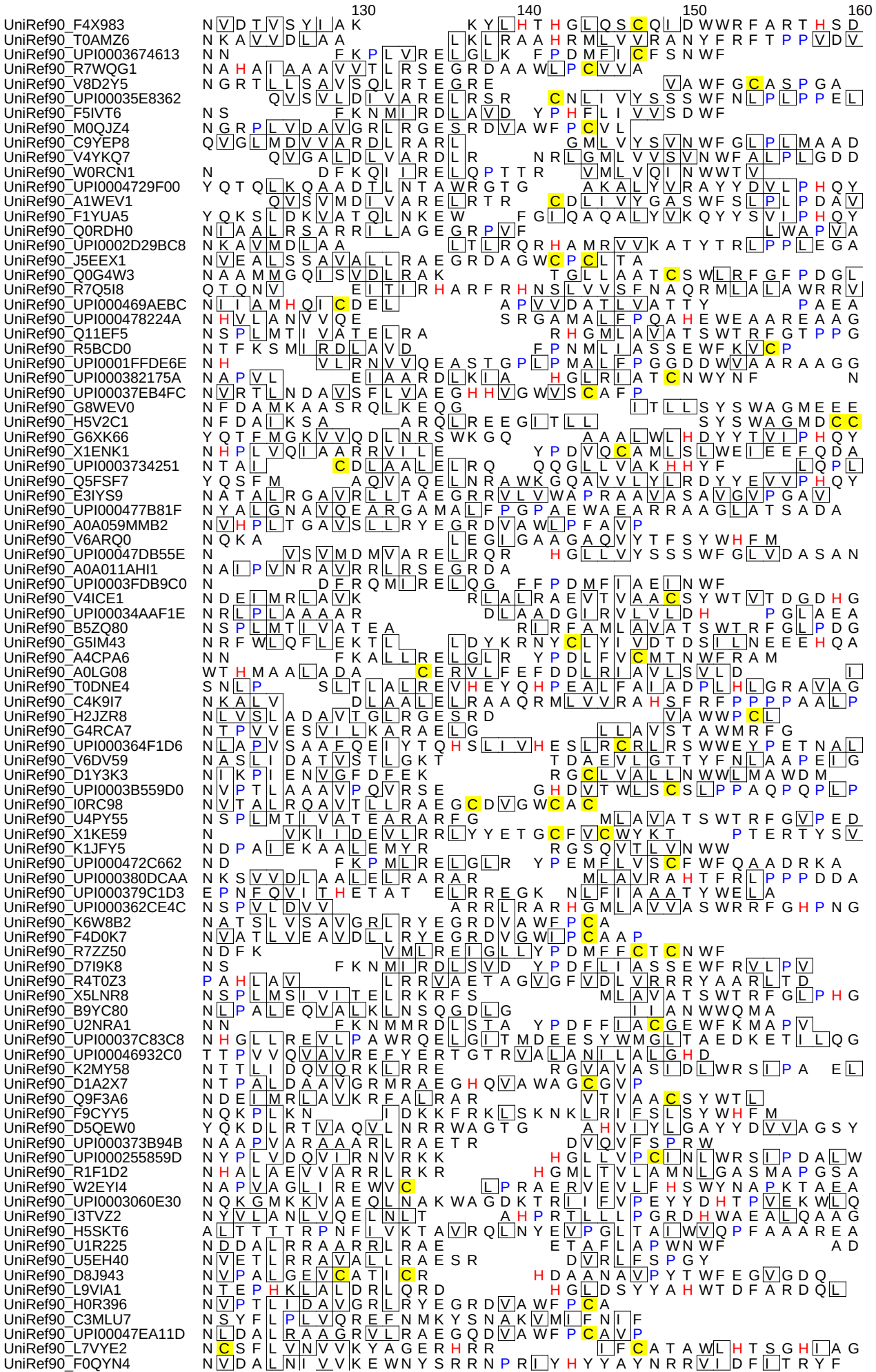

210
220
230
240
UniRef90_Q28SB7
UniRef90_W6WI04
UniRef90_A3Z5H5
UniRef90_UPI0003B4AD91
UniRef90_V4IXY1
UniRef90_I2AJ54
UniRef90_B5EDF5
UniRef90_R5FAI1
UniRef90_UPI0003645EE6
UniRef90_R7WHY8
UniRef90_I0IDZ6
UniRef90_UPI00047E0091
UniRef90_UPI00037A48B5
UniRef90_R7KK86
UniRef90_UPI000370FEA6
UniRef90_UPI00036A3F8D
UniRef90_F6EM20
UniRef90_D1A602
UniRef90_I4EU85
UniRef90_A0A024PUG2
UniRef90_N6XE57
UniRef90_K8P714
UniRef90_M2XCA4
UniRef90_W7KHJ8
UniRef90_M7A9A6
UniRef90_F0Q7N9
UniRef90_I5C7V1
UniRef90_UPI000289A183
UniRef90_U1Q0D2
UniRef90_UPI00047ED1DC
UniRef90_R4W7T7
UniRef90_G2MSF2
UniRef90_UPI00036023F5
UniRef90_UPI0002EBE14A
UniRef90_E8UZR5
UniRef90_G8SJK3
UniRef90_G2PL62
UniRef90_R7E3R8
UniRef90_R7DJX2
UniRef90_E0MQT6
UniRef90_J2VTZ6
UniRef90_UPI000360B6C4
UniRef90_UPI000380D8F1
UniRef90_K0UVU7
UniRef90_UPI0004186C53
UniRef90_C0CV00
UniRef90_W8WWC3
UniRef90_UPI000374CCA8
UniRef90_D0L323
UniRef90_M0BRN2
UniRef90_C8X9B5
UniRef90_E9UUW3
UniRef90_J2L4P6
UniRef90_UPI0003689CB7
UniRef90_R6BCD7
UniRef90_UPI00036C70C5
UniRef90_F7QGD6
UniRef90_B8KI62
UniRef90_UPI0003B6F7FB
UniRef90_I0L1T1
UniRef90_Z5XH96
UniRef90_U5WWF8
UniRef90_UPI00035CC67A
UniRef90_T1VL82
UniRef90_D4HVB0
UniRef90_UPI000470990D
UniRef90_UPI00047E0CD4
UniRef90_UPI00037E9EFB
UniRef90_UPI000375B14A
UniRef90_UPI000319F0B2
UniRef90_I2AD57
UniRef90_N6YAS4
UniRef90_F3KL68
UniRef90_UPI00037094C6
UniRef90_K0B6J1
UniRef90_L9WVJ4
UniRef90_B4D4A0
UniRef90_F3S854
UniRef90_M0DFY1
UniRef90_UPI0003723785
UniRef90_K0UTE3
UniRef90_E7GS63
UniRef90_D3IFJ5
UniRef90_UPI000375C7B9
UniRef90_UPI00047E2587
UniRef90_UPI00035CCCF8
UniRef90_G9YV03
UniRef90_UPI0004765AF1
UniRef90_L9X8U8
UniRef90_UPI00039F34DD
UniRef90_A9KRU4
UniRef90_C0CXT3

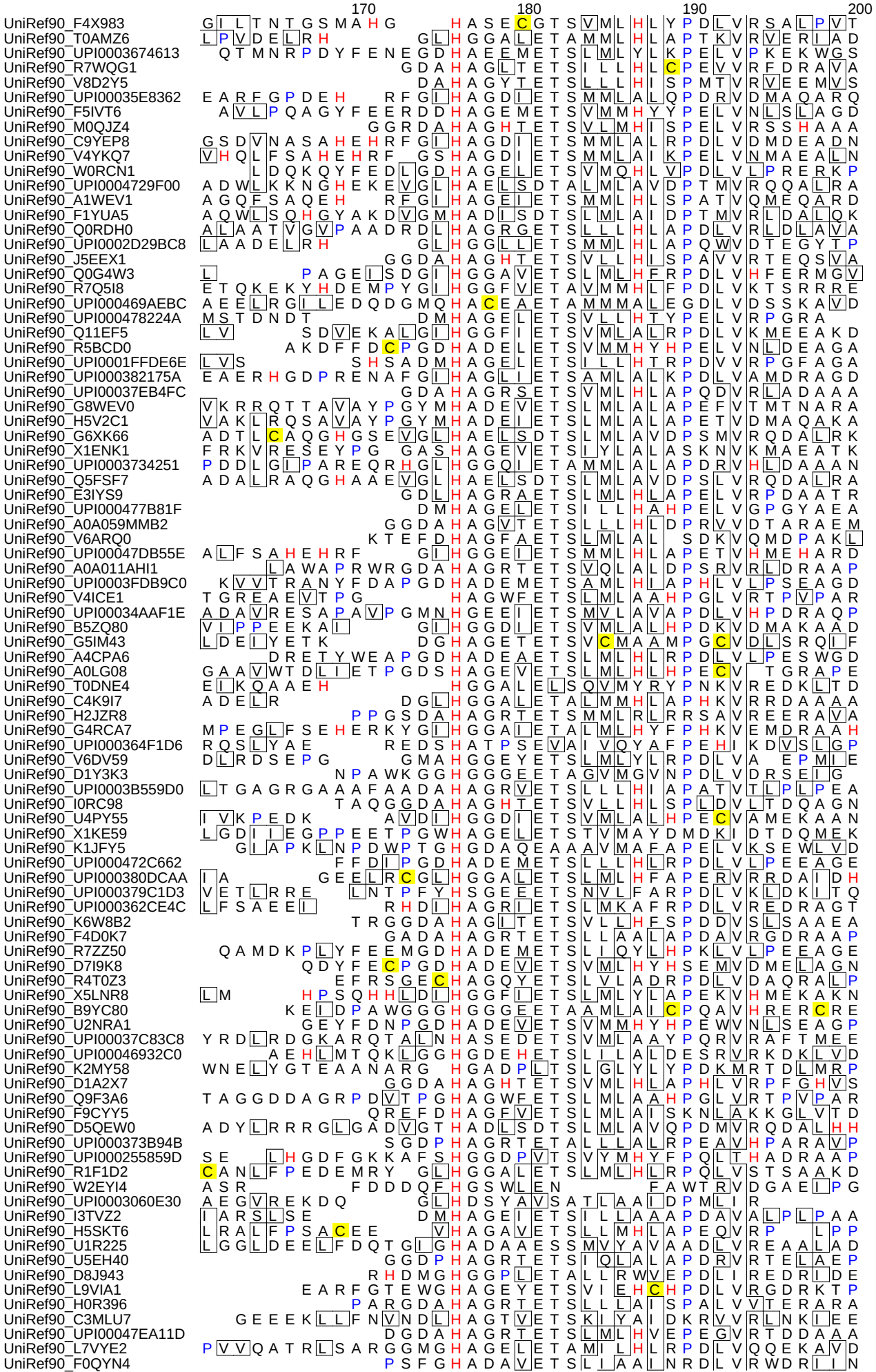

250
UniRef90_Q28SB7 A H Y V D G V I D V L H K
UniRef90_W6WI04 E H L V G F C A R F V E H
UniRef90_A3Z5H5 N H W C D R L E R L L A S D W P P
UniRef90_UPI0003B4AD91 E A S V A D A V E A L A E
UniRef90_V4IXY1 E D T T A R I L D A L R S D
UniRef90_I2AJ54 D H L G R N A A T L I E
UniRef90_B5EDF5 S L V A D K V V E L V K
UniRef90_R5FAI1 D A Y C K R L V E V L S D E
UniRef90_UPI0003645EE6
UniRef90_R7WHY8 G E T V D T V V A A L D E A F D P
UniRef90_I0IDZ6 R R C G E A L A A V L E R A
UniRef90_UPI00047E0091 D E S A K E A V Q G I M E
UniRef90_UPI00037A48B5 D Q G A R A F C E L L S E
UniRef90_R7KK86 Q A V V D Y F V A F T E E
UniRef90_UPI000370FEA6 A S M V A A A L D R L G D P P
UniRef90_UPI00036A3F8D G Q M C A L A A D A L Q R W G P
UniRef90_F6EM20 E C M I T E I T Q R V D A G E P
UniRef90_D1A602 G H L V E L F A D C L
UniRef90_I4EU85 K A M V A Y L G E A F A E R F D P
UniRef90_A0A024PUG2 A H F A G R L A S V I E E A
UniRef90_N6XE57 E H F A A A L V R V I E D A
UniRef90_K8P714 D H G A R A F V E L L D D
UniRef90_M2XCA4 E Q M C A R A A D A V H R W
UniRef90_W7KHJ8 E K A V E E I S E F I R K K Y
UniRef90_M7A9A6 D G A V D D L V R A L T E W
UniRef90_F0Q7N9 E
UniRef90_I5C7V1 D H L V T F C S D F V E H
UniRef90_UPI000289A183 R M I V E N L L D F
UniRef90_U1Q0D2
UniRef90_UPI00047ED1DC D T F V R N F A T V L
UniRef90_R4W7T7
UniRef90_G2MSF2 E L L T
UniRef90_UPI00036023F5 K E L V E S C T R L I I E
UniRef90_UPI0002EBE14A G A I V A Q T V A A I R Q A T A P
UniRef90_E8UZR5 K W W V D S V T K S L
UniRef90_G8SJK3 D R L T A D L L T R T A Q W A P
UniRef90_G2PL62 N L I C A K M G Q L F V D
UniRef90_R7E3R8 K P I I E K L A K L F T E
UniRef90_R7DJX2 N A I A D K Y A Q L F A E
UniRef90_E0MQT6 D I A S D G L L A L L H E
UniRef90_J2VTZ6 T A C A E A L A Q N L R A G E P
UniRef90_UPI000360B6C4 E S L T D D V V A A V Q N W Q P
UniRef90_UPI000380D8F1 D T L V S C A A R R I A A W
UniRef90_K0UVU7 A E M V D A C A G R V R R W A P
UniRef90_UPI0004186C53 E H Y A A H L A A T I R D
UniRef90_C0CV00 R T F A D Y M A D F L T E
UniRef90_W8WWC3 T V C V Q G I A D A L R T A F D
UniRef90_UPI000374CCA8 A R M V Q T I A
UniRef90_D0L323 A A T I A R C E A A L D A W
UniRef90_M0BRN2 D E A A T A L S A L
UniRef90_C8X9B5 A E M G G R L L A T I A R L L A P
UniRef90_E9UUW3 E A G V A T L A E V I V E A
UniRef90_J2L4P6 D R A A H A L L K L A R E
UniRef90_UPI0003689CB7 E A C A R E I A Q L L V E
UniRef90_R6BCD7 D L V E N F L R E F I E E
UniRef90_UPI00036C70C5 E R V L G F C A A Y L A E
UniRef90_F7QGD6 D H G A C A F V E L L D D
UniRef90_B8KI62 A V A A E A L R K
UniRef90_UPI0003B6F7FB R W W V D S V A K V L
UniRef90_I0L1T1 E D L V R S F A D
UniRef90_Z5XH96 A D V V A A A R D V V M R A
UniRef90_U5WWF8 A E M V D E C R Q R I D R W L P
UniRef90_UPI00035CC67A D A M V S T A V R R I T A W
UniRef90_T1VL82 G E L V G R V T D G L A R W E P
UniRef90_D4HVB0 E H V R Q E I K N M V E
UniRef90_UPI000470990D A M Q V N A A V K A I D D A
UniRef90_UPI00047E0CD4 K A W A N G I A A V L R
UniRef90_UPI00037E9EFB E H Y A A F L A S T L R D A
UniRef90_UPI000375B14A T H L V K V F A G Y L
UniRef90_UPI000319F0B2 N V F S K A V V A L M E R
UniRef90_I2AD57 D H L G R S A E T L L
UniRef90_N6YAS4 E H F A G Q L A R L I E D A
UniRef90_F3KL68 D E I I R N L
UniRef90_UPI00037094C6
UniRef90_K0B6J1 A E I V K N L
UniRef90_L9WVJ4 S Y T H X L P R A I R D V Y
UniRef90_B4D4A0 R V F S D D V A S M I E R
UniRef90_F3S854 N M Q V S A A V A A M Q H D
UniRef90_M0DFY1 A A T T R E I L G A L V E D L D
UniRef90_UPI0003723785 N Q L A D S I I K I L R
UniRef90_K0UTE3 A E M V N G C A G R I R R W E P
UniRef90_E7GS63 E D S L D Y M E K I V D E
UniRef90_D3IFJ5 D A V C D A Y V D F F A D
UniRef90_UPI000375C7B9 D L Q V Q A A V E A I
UniRef90_UPI00047E2587 N D V C K K L D E L
UniRef90_UPI00035CCCF8 A D L C A S F A A L
UniRef90_G9YV03 Q T T A D Y I A D F M E E
UniRef90_UPI0004765AF1 E A T T Q K I A N L L T E
UniRef90_L9X8U8
UniRef90_UPI00039F34DD A H A V S G L T G L M D D
UniRef90_A9KRU4 E K M K D W V I
UniRef90_C0CXT3 D Y L E K L V N D I H E K W P

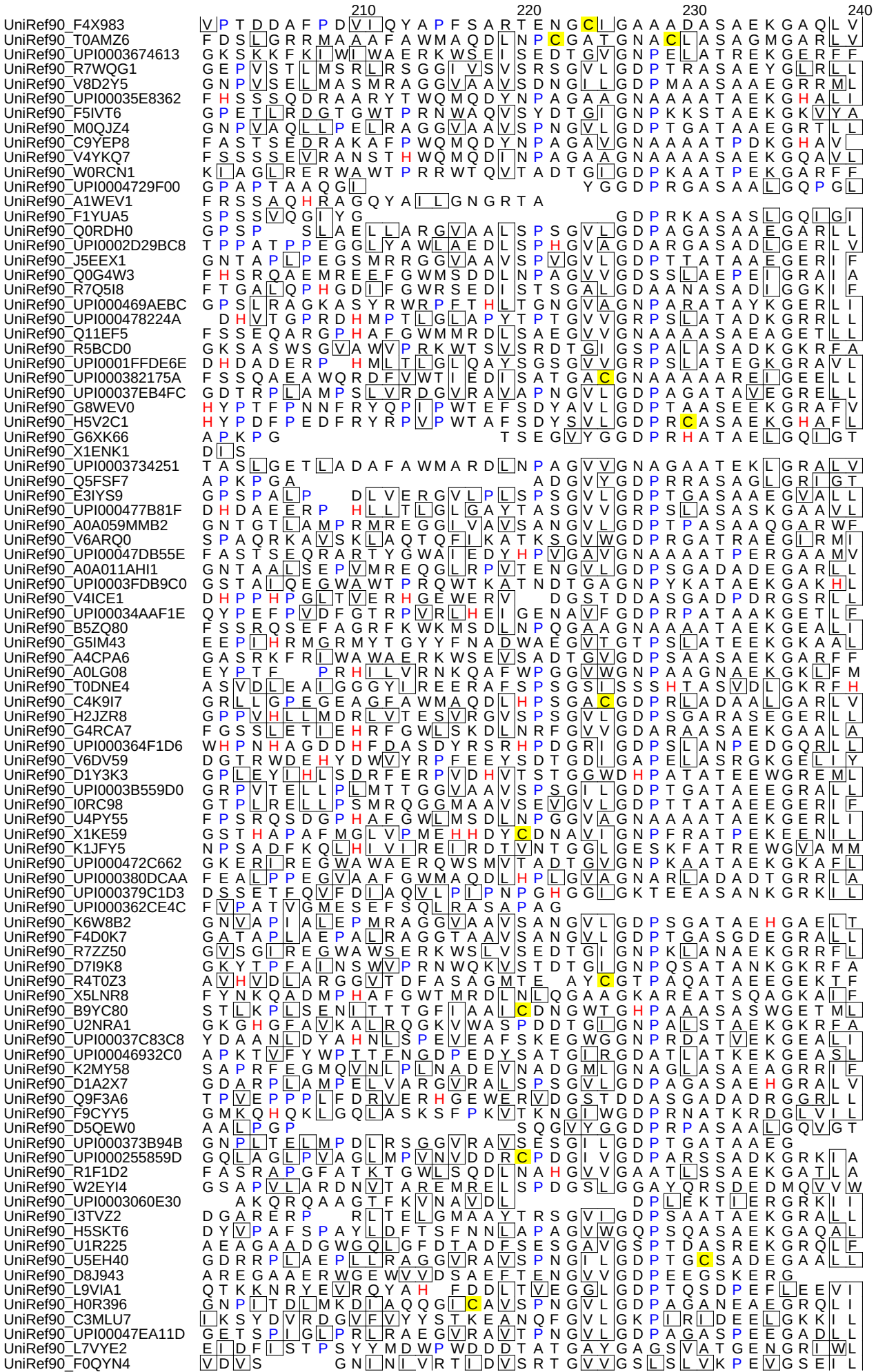

1
10
20
30
40
UniRef90_F4X983
UniRef90_T0AMZ6
UniRef90_UPI0003674613
UniRef90_R7WQG1
UniRef90_V8D2Y5
UniRef90_UPI00035E8362
UniRef90_F5IVT6
UniRef90_M0QJZ4
UniRef90_C9YEP8
UniRef90_V4YKQ7
UniRef90_W0RCN1
UniRef90_UPI0004729F00
UniRef90_A1WEV1
UniRef90_F1YUA5
UniRef90_Q0RDH0
UniRef90_UPI0002D29BC8
UniRef90_J5EEX1
UniRef90_Q0G4W3
UniRef90_R7Q5I8
UniRef90_UPI000469AEBC
UniRef90_UPI000478224A
UniRef90_Q11EF5
UniRef90_R5BCD0
UniRef90_UPI0001FFDE6E
UniRef90_UPI000382175A
UniRef90_UPI00037EB4FC
UniRef90_G8WEV0
UniRef90_H5V2C1
UniRef90_G6XK66
UniRef90_X1ENK1
UniRef90_UPI0003734251
UniRef90_Q5FSF7
UniRef90_E3IYS9
UniRef90_UPI000477B81F
UniRef90_A0A059MMB2
UniRef90_V6ARQ0
UniRef90_UPI00047DB55E
UniRef90_A0A011AHI1
UniRef90_UPI0003FDB9C0
UniRef90_V4ICE1
UniRef90_UPI00034AAF1E
UniRef90_B5ZQ80
UniRef90_G5IM43
UniRef90_A4CPA6
UniRef90_A0LG08
UniRef90_T0DNE4
UniRef90_C4K9I7
UniRef90_H2JZR8
UniRef90_G4RCA7
UniRef90_UPI000364F1D6
UniRef90_V6DV59
UniRef90_D1Y3K3
UniRef90_UPI0003B559D0
UniRef90_I0RC98
UniRef90_U4PY55
UniRef90_X1KE59
UniRef90_K1JFY5
UniRef90_UPI000472C662
UniRef90_UPI000380DCAA
UniRef90_UPI000379C1D3
UniRef90_UPI000362CE4C
UniRef90_K6W8B2
UniRef90_F4D0K7
UniRef90_R7ZZ50
UniRef90_D7I9K8
UniRef90_R4T0Z3
UniRef90_X5LNR8
UniRef90_B9YC80
UniRef90_U2NRA1
UniRef90_UPI00037C83C8
UniRef90_UPI00046932C0
UniRef90_K2MY58
UniRef90_D1A2X7
UniRef90_Q9F3A6
UniRef90_F9CYY5
UniRef90_D5QEW0
UniRef90_UPI000373B94B
UniRef90_UPI000255859D
UniRef90_R1F1D2
UniRef90_W2EYI4
UniRef90_UPI0003060E30
UniRef90_I3TVZ2
UniRef90_H5SKT6
UniRef90_U1R225
UniRef90_U5EH40
UniRef90_D8J943
UniRef90_L9VIA1
UniRef90_H0R396
UniRef90_C3MLU7
UniRef90_UPI00047EA11D
UniRef90_L7VYE2
UniRef90_F0QYN4

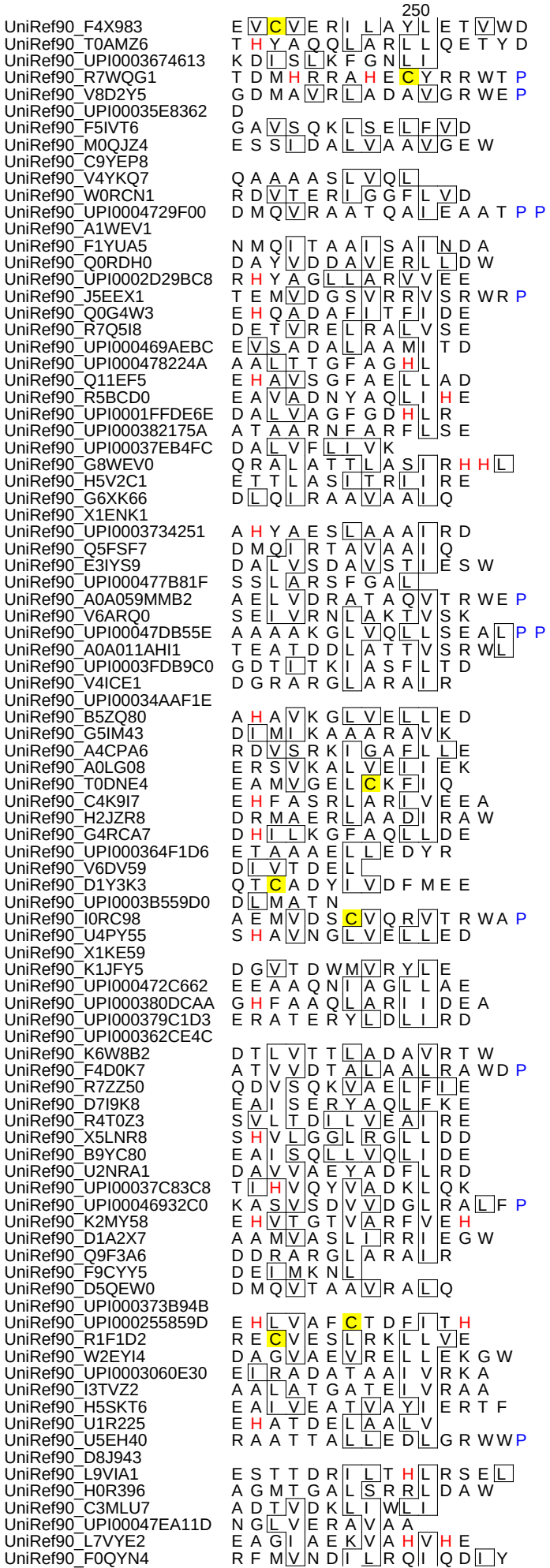

50
60
70
80
UniRef90_F4X983
UniRef90_T0AMZ6
UniRef90_UPI0003674613
UniRef90_R7WQG1
UniRef90_V8D2Y5
UniRef90_UPI00035E8362
UniRef90_F5IVT6
UniRef90_M0QJZ4
UniRef90_C9YEP8
UniRef90_V4YKQ7
UniRef90_W0RCN1
UniRef90_UPI0004729F00
UniRef90_A1WEV1
UniRef90_F1YUA5
UniRef90_Q0RDH0
UniRef90_UPI0002D29BC8
UniRef90_J5EEX1
UniRef90_Q0G4W3
UniRef90_R7Q5I8
UniRef90_UPI000469AEBC
UniRef90_UPI000478224A
UniRef90_Q11EF5
UniRef90_R5BCD0
UniRef90_UPI0001FFDE6E
UniRef90_UPI000382175A
UniRef90_UPI00037EB4FC
UniRef90_G8WEV0
UniRef90_H5V2C1
UniRef90_G6XK66
UniRef90_X1ENK1
UniRef90_UPI0003734251
UniRef90_Q5FSF7
UniRef90_E3IYS9
UniRef90_UPI000477B81F
UniRef90_A0A059MMB2
UniRef90_V6ARQ0
UniRef90_UPI00047DB55E
UniRef90_A0A011AHI1
UniRef90_UPI0003FDB9C0
UniRef90_V4ICE1
UniRef90_UPI00034AAF1E
UniRef90_B5ZQ80
UniRef90_G5IM43
UniRef90_A4CPA6
UniRef90_A0LG08
UniRef90_T0DNE4
UniRef90_C4K9I7
UniRef90_H2JZR8
UniRef90_G4RCA7
UniRef90_UPI000364F1D6
UniRef90_V6DV59
UniRef90_D1Y3K3
UniRef90_UPI0003B559D0
UniRef90_I0RC98
UniRef90_U4PY55
UniRef90_X1KE59
UniRef90_K1JFY5
UniRef90_UPI000472C662
UniRef90_UPI000380DCAA
UniRef90_UPI000379C1D3
UniRef90_UPI000362CE4C
UniRef90_K6W8B2
UniRef90_F4D0K7
UniRef90_R7ZZ50
UniRef90_D7I9K8
UniRef90_R4T0Z3
UniRef90_X5LNR8
UniRef90_B9YC80
UniRef90_U2NRA1
UniRef90_UPI00037C83C8
UniRef90_UPI00046932C0
UniRef90_K2MY58
UniRef90_D1A2X7
UniRef90_Q9F3A6
UniRef90_F9CYY5
UniRef90_D5QEW0
UniRef90_UPI000373B94B
UniRef90_UPI000255859D
UniRef90_R1F1D2
UniRef90_W2EYI4
UniRef90_UPI0003060E30
UniRef90_I3TVZ2
UniRef90_H5SKT6
UniRef90_U1R225
UniRef90_U5EH40
UniRef90_D8J943
UniRef90_L9VIA1
UniRef90_H0R396
UniRef90_C3MLU7
UniRef90_UPI00047EA11D
UniRef90_L7VYE2
UniRef90_F0QYN4

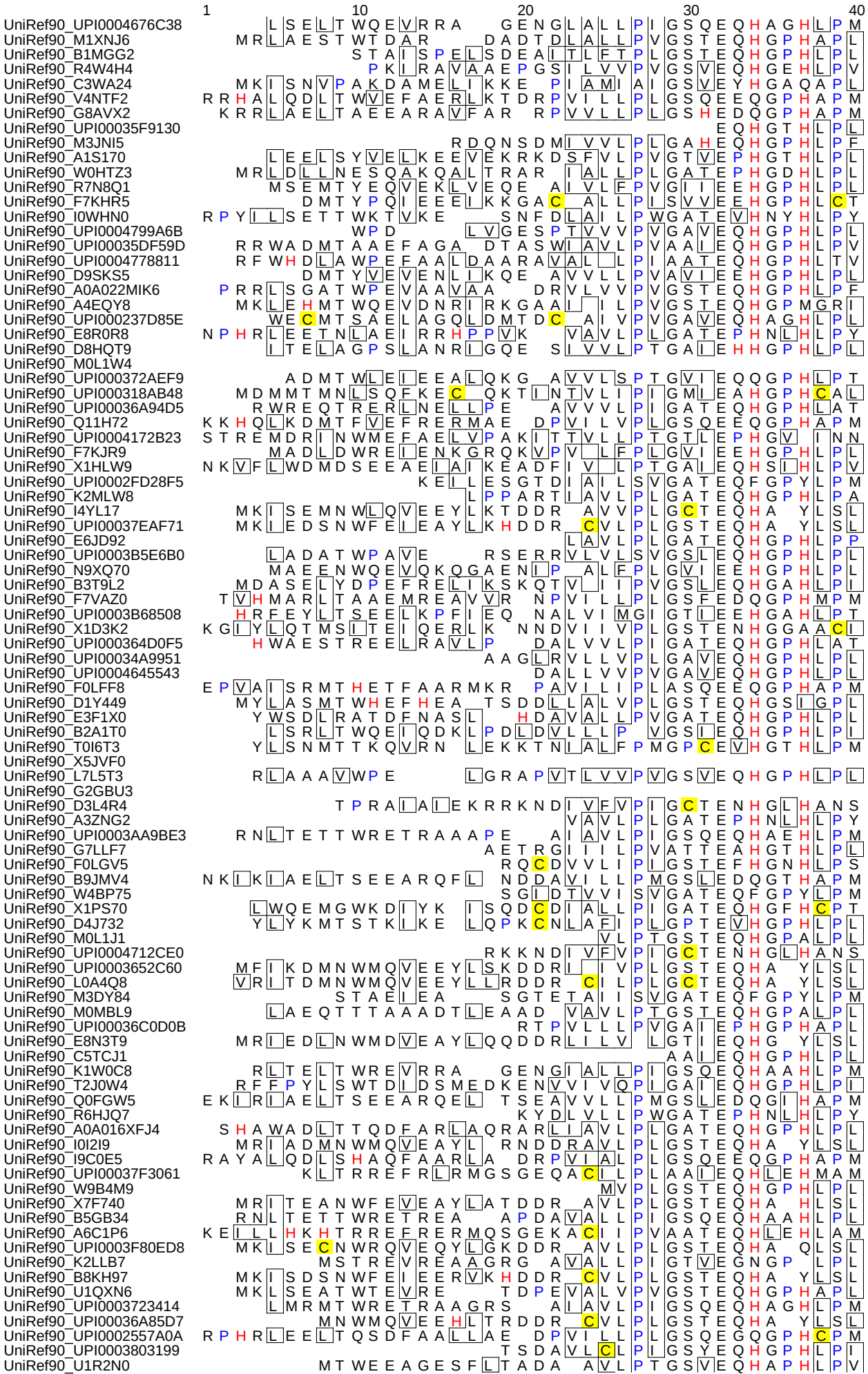

90
100
110
120
UniRef90_F4X983
UniRef90_T0AMZ6
UniRef90_UPI0003674613
UniRef90_R7WQG1
UniRef90_V8D2Y5
UniRef90_UPI00035E8362
UniRef90_F5IVT6
UniRef90_M0QJZ4
UniRef90_C9YEP8
UniRef90_V4YKQ7
UniRef90_W0RCN1
UniRef90_UPI0004729F00
UniRef90_A1WEV1
UniRef90_F1YUA5
UniRef90_Q0RDH0
UniRef90_UPI0002D29BC8
UniRef90_J5EEX1
UniRef90_Q0G4W3
UniRef90_R7Q5I8
UniRef90_UPI000469AEBC
UniRef90_UPI000478224A
UniRef90_Q11EF5
UniRef90_R5BCD0
UniRef90_UPI0001FFDE6E
UniRef90_UPI000382175A
UniRef90_UPI00037EB4FC
UniRef90_G8WEV0
UniRef90_H5V2C1
UniRef90_G6XK66
UniRef90_X1ENK1
UniRef90_UPI0003734251
UniRef90_Q5FSF7
UniRef90_E3IYS9
UniRef90_UPI000477B81F
UniRef90_A0A059MMB2
UniRef90_V6ARQ0
UniRef90_UPI00047DB55E
UniRef90_A0A011AHI1
UniRef90_UPI0003FDB9C0
UniRef90_V4ICE1
UniRef90_UPI00034AAF1E
UniRef90_B5ZQ80
UniRef90_G5IM43
UniRef90_A4CPA6
UniRef90_A0LG08
UniRef90_T0DNE4
UniRef90_C4K9I7
UniRef90_H2JZR8
UniRef90_G4RCA7
UniRef90_UPI000364F1D6
UniRef90_V6DV59
UniRef90_D1Y3K3
UniRef90_UPI0003B559D0
UniRef90_I0RC98
UniRef90_U4PY55
UniRef90_X1KE59
UniRef90_K1JFY5
UniRef90_UPI000472C662
UniRef90_UPI000380DCAA
UniRef90_UPI000379C1D3
UniRef90_UPI000362CE4C
UniRef90_K6W8B2
UniRef90_F4D0K7
UniRef90_R7ZZ50
UniRef90_D7I9K8
UniRef90_R4T0Z3
UniRef90_X5LNR8
UniRef90_B9YC80
UniRef90_U2NRA1
UniRef90_UPI00037C83C8
UniRef90_UPI00046932C0
UniRef90_K2MY58
UniRef90_D1A2X7
UniRef90_Q9F3A6
UniRef90_F9CYY5
UniRef90_D5QEW0
UniRef90_UPI000373B94B
UniRef90_UPI000255859D
UniRef90_R1F1D2
UniRef90_W2EYI4
UniRef90_UPI0003060E30
UniRef90_I3TVZ2
UniRef90_H5SKT6
UniRef90_U1R225
UniRef90_U5EH40
UniRef90_D8J943
UniRef90_L9VIA1
UniRef90_H0R396
UniRef90_C3MLU7
UniRef90_UPI00047EA11D
UniRef90_L7VYE2
UniRef90_F0QYN4

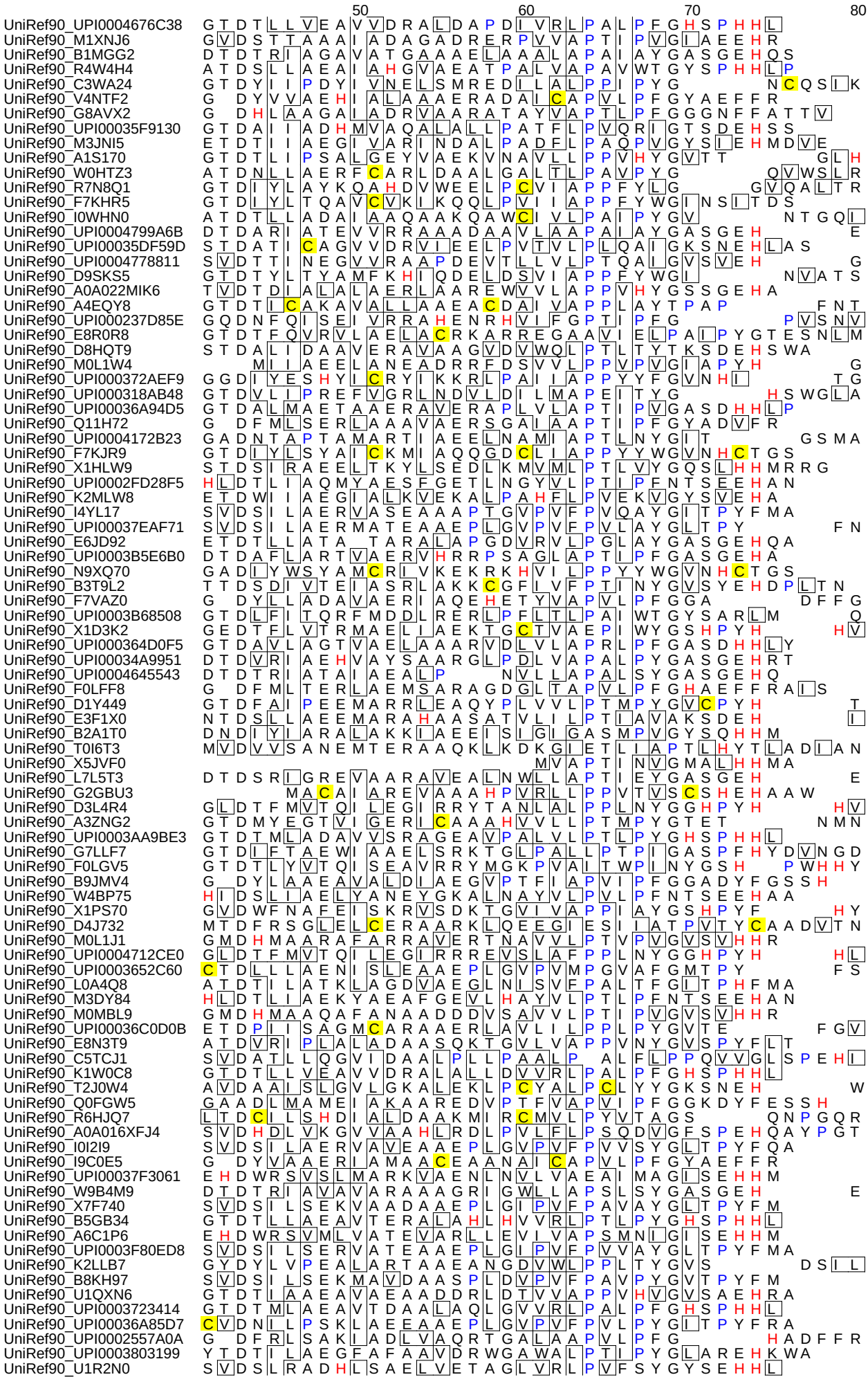

130
140
150
160
UniRef90_F4X983
UniRef90_T0AMZ6
UniRef90_UPI0003674613
UniRef90_R7WQG1
UniRef90_V8D2Y5
UniRef90_UPI00035E8362
UniRef90_F5IVT6
UniRef90_M0QJZ4
UniRef90_C9YEP8
UniRef90_V4YKQ7
UniRef90_W0RCN1
UniRef90_UPI0004729F00
UniRef90_A1WEV1
UniRef90_F1YUA5
UniRef90_Q0RDH0
UniRef90_UPI0002D29BC8
UniRef90_J5EEX1
UniRef90_Q0G4W3
UniRef90_R7Q5I8
UniRef90_UPI000469AEBC
UniRef90_UPI000478224A
UniRef90_Q11EF5
UniRef90_R5BCD0
UniRef90_UPI0001FFDE6E
UniRef90_UPI000382175A
UniRef90_UPI00037EB4FC
UniRef90_G8WEV0
UniRef90_H5V2C1
UniRef90_G6XK66
UniRef90_X1ENK1
UniRef90_UPI0003734251
UniRef90_Q5FSF7
UniRef90_E3IYS9
UniRef90_UPI000477B81F
UniRef90_A0A059MMB2
UniRef90_V6ARQ0
UniRef90_UPI00047DB55E
UniRef90_A0A011AHI1
UniRef90_UPI0003FDB9C0
UniRef90_V4ICE1
UniRef90_UPI00034AAF1E
UniRef90_B5ZQ80
UniRef90_G5IM43
UniRef90_A4CPA6
UniRef90_A0LG08
UniRef90_T0DNE4
UniRef90_C4K9I7
UniRef90_H2JZR8
UniRef90_G4RCA7
UniRef90_UPI000364F1D6
UniRef90_V6DV59
UniRef90_D1Y3K3
UniRef90_UPI0003B559D0
UniRef90_I0RC98
UniRef90_U4PY55
UniRef90_X1KE59
UniRef90_K1JFY5
UniRef90_UPI000472C662
UniRef90_UPI000380DCAA
UniRef90_UPI000379C1D3
UniRef90_UPI000362CE4C
UniRef90_K6W8B2
UniRef90_F4D0K7
UniRef90_R7ZZ50
UniRef90_D7I9K8
UniRef90_R4T0Z3
UniRef90_X5LNR8
UniRef90_B9YC80
UniRef90_U2NRA1
UniRef90_UPI00037C83C8
UniRef90_UPI00046932C0
UniRef90_K2MY58
UniRef90_D1A2X7
UniRef90_Q9F3A6
UniRef90_F9CYY5
UniRef90_D5QEW0
UniRef90_UPI000373B94B
UniRef90_UPI000255859D
UniRef90_R1F1D2
UniRef90_W2EYI4
UniRef90_UPI0003060E30
UniRef90_I3TVZ2
UniRef90_H5SKT6
UniRef90_U1R225
UniRef90_U5EH40
UniRef90_D8J943
UniRef90_L9VIA1
UniRef90_H0R396
UniRef90_C3MLU7
UniRef90_UPI00047EA11D
UniRef90_L7VYE2
UniRef90_F0QYN4

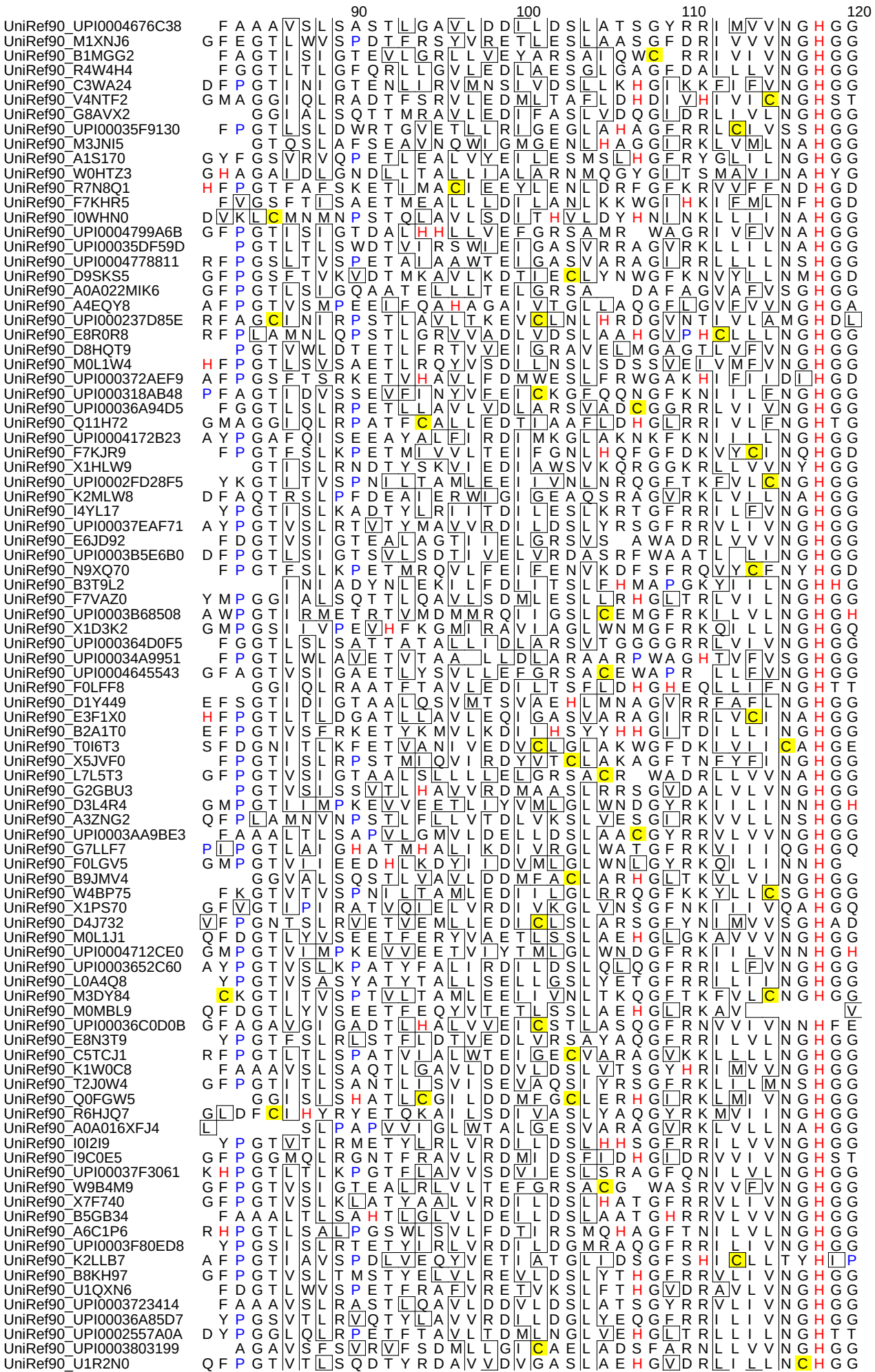

170
180
190
200
UniRef90_F4X983
UniRef90_T0AMZ6
UniRef90_UPI0003674613
UniRef90_R7WQG1
UniRef90_V8D2Y5
UniRef90_UPI00035E8362
UniRef90_F5IVT6
UniRef90_M0QJZ4
UniRef90_C9YEP8
UniRef90_V4YKQ7
UniRef90_W0RCN1
UniRef90_UPI0004729F00
UniRef90_A1WEV1
UniRef90_F1YUA5
UniRef90_Q0RDH0
UniRef90_UPI0002D29BC8
UniRef90_J5EEX1
UniRef90_Q0G4W3
UniRef90_R7Q5I8
UniRef90_UPI000469AEBC
UniRef90_UPI000478224A
UniRef90_Q11EF5
UniRef90_R5BCD0
UniRef90_UPI0001FFDE6E
UniRef90_UPI000382175A
UniRef90_UPI00037EB4FC
UniRef90_G8WEV0
UniRef90_H5V2C1
UniRef90_G6XK66
UniRef90_X1ENK1
UniRef90_UPI0003734251
UniRef90_Q5FSF7
UniRef90_E3IYS9
UniRef90_UPI000477B81F
UniRef90_A0A059MMB2
UniRef90_V6ARQ0
UniRef90_UPI00047DB55E
UniRef90_A0A011AHI1
UniRef90_UPI0003FDB9C0
UniRef90_V4ICE1
UniRef90_UPI00034AAF1E
UniRef90_B5ZQ80
UniRef90_G5IM43
UniRef90_A4CPA6
UniRef90_A0LG08
UniRef90_T0DNE4
UniRef90_C4K9I7
UniRef90_H2JZR8
UniRef90_G4RCA7
UniRef90_UPI000364F1D6
UniRef90_V6DV59
UniRef90_D1Y3K3
UniRef90_UPI0003B559D0
UniRef90_I0RC98
UniRef90_U4PY55
UniRef90_X1KE59
UniRef90_K1JFY5
UniRef90_UPI000472C662
UniRef90_UPI000380DCAA
UniRef90_UPI000379C1D3
UniRef90_UPI000362CE4C
UniRef90_K6W8B2
UniRef90_F4D0K7
UniRef90_R7ZZ50
UniRef90_D7I9K8
UniRef90_R4T0Z3
UniRef90_X5LNR8
UniRef90_B9YC80
UniRef90_U2NRA1
UniRef90_UPI00037C83C8
UniRef90_UPI00046932C0
UniRef90_K2MY58
UniRef90_D1A2X7
UniRef90_Q9F3A6
UniRef90_F9CYY5
UniRef90_D5QEW0
UniRef90_UPI000373B94B
UniRef90_UPI000255859D
UniRef90_R1F1D2
UniRef90_W2EYI4
UniRef90_UPI0003060E30
UniRef90_I3TVZ2
UniRef90_H5SKT6
UniRef90_U1R225
UniRef90_U5EH40
UniRef90_D8J943
UniRef90_L9VIA1
UniRef90_H0R396
UniRef90_C3MLU7
UniRef90_UPI00047EA11D
UniRef90_L7VYE2
UniRef90_F0QYN4

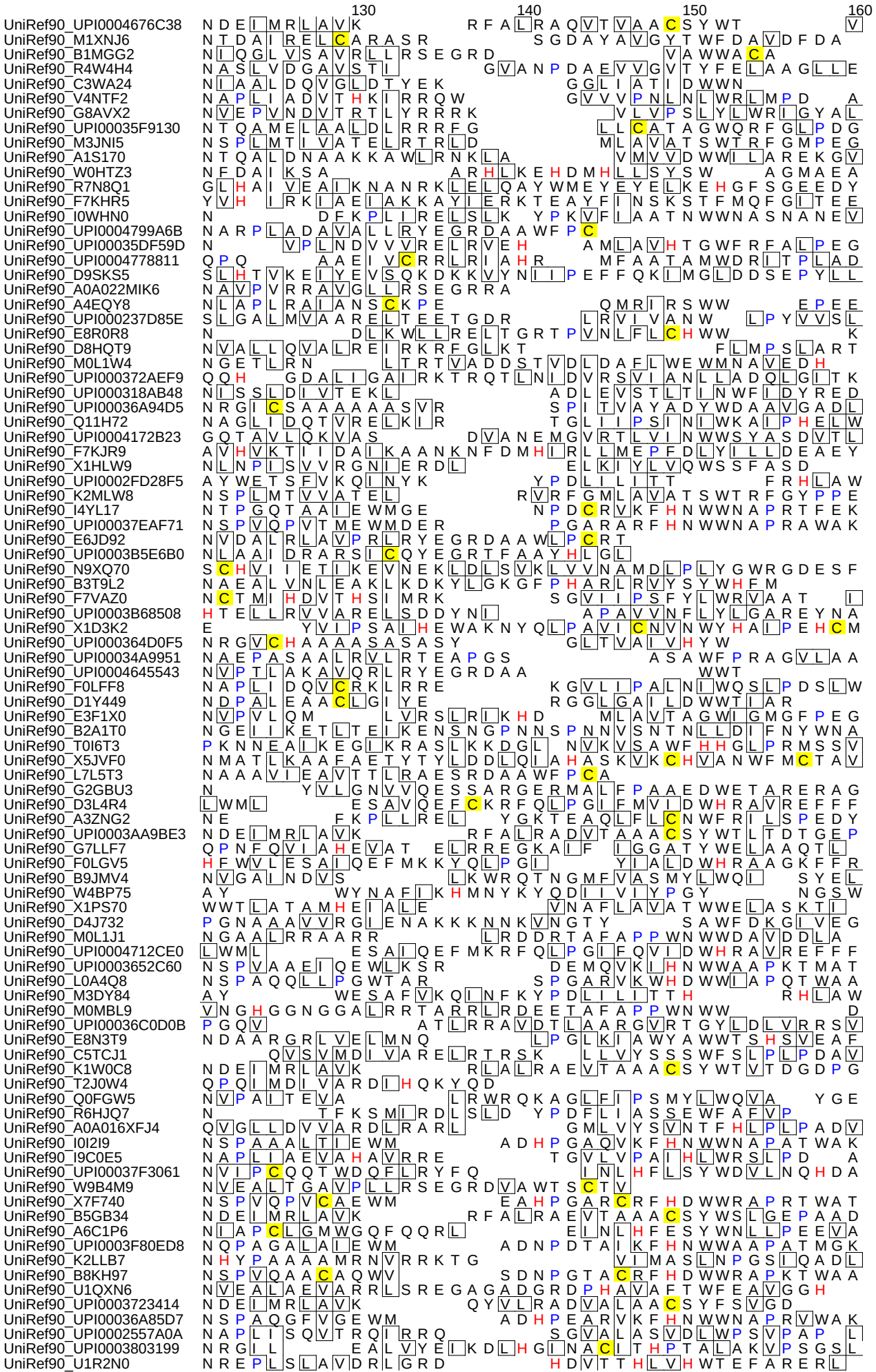

210
220
230
240
UniRef90_F4X983
UniRef90_T0AMZ6
UniRef90_UPI0003674613
UniRef90_R7WQG1
UniRef90_V8D2Y5
UniRef90_UPI00035E8362
UniRef90_F5IVT6
UniRef90_M0QJZ4
UniRef90_C9YEP8
UniRef90_V4YKQ7
UniRef90_W0RCN1
UniRef90_UPI0004729F00
UniRef90_A1WEV1
UniRef90_F1YUA5
UniRef90_Q0RDH0
UniRef90_UPI0002D29BC8
UniRef90_J5EEX1
UniRef90_Q0G4W3
UniRef90_R7Q5I8
UniRef90_UPI000469AEBC
UniRef90_UPI000478224A
UniRef90_Q11EF5
UniRef90_R5BCD0
UniRef90_UPI0001FFDE6E
UniRef90_UPI000382175A
UniRef90_UPI00037EB4FC
UniRef90_G8WEV0
UniRef90_H5V2C1
UniRef90_G6XK66
UniRef90_X1ENK1
UniRef90_UPI0003734251
UniRef90_Q5FSF7
UniRef90_E3IYS9
UniRef90_UPI000477B81F
UniRef90_A0A059MMB2
UniRef90_V6ARQ0
UniRef90_UPI00047DB55E
UniRef90_A0A011AHI1
UniRef90_UPI0003FDB9C0
UniRef90_V4ICE1
UniRef90_UPI00034AAF1E
UniRef90_B5ZQ80
UniRef90_G5IM43
UniRef90_A4CPA6
UniRef90_A0LG08
UniRef90_T0DNE4
UniRef90_C4K9I7
UniRef90_H2JZR8
UniRef90_G4RCA7
UniRef90_UPI000364F1D6
UniRef90_V6DV59
UniRef90_D1Y3K3
UniRef90_UPI0003B559D0
UniRef90_I0RC98
UniRef90_U4PY55
UniRef90_X1KE59
UniRef90_K1JFY5
UniRef90_UPI000472C662
UniRef90_UPI000380DCAA
UniRef90_UPI000379C1D3
UniRef90_UPI000362CE4C
UniRef90_K6W8B2
UniRef90_F4D0K7
UniRef90_R7ZZ50
UniRef90_D7I9K8
UniRef90_R4T0Z3
UniRef90_X5LNR8
UniRef90_B9YC80
UniRef90_U2NRA1
UniRef90_UPI00037C83C8
UniRef90_UPI00046932C0
UniRef90_K2MY58
UniRef90_D1A2X7
UniRef90_Q9F3A6
UniRef90_F9CYY5
UniRef90_D5QEW0
UniRef90_UPI000373B94B
UniRef90_UPI000255859D
UniRef90_R1F1D2
UniRef90_W2EYI4
UniRef90_UPI0003060E30
UniRef90_I3TVZ2
UniRef90_H5SKT6
UniRef90_U1R225
UniRef90_U5EH40
UniRef90_D8J943
UniRef90_L9VIA1
UniRef90_H0R396
UniRef90_C3MLU7
UniRef90_UPI00047EA11D
UniRef90_L7VYE2
UniRef90_F0QYN4

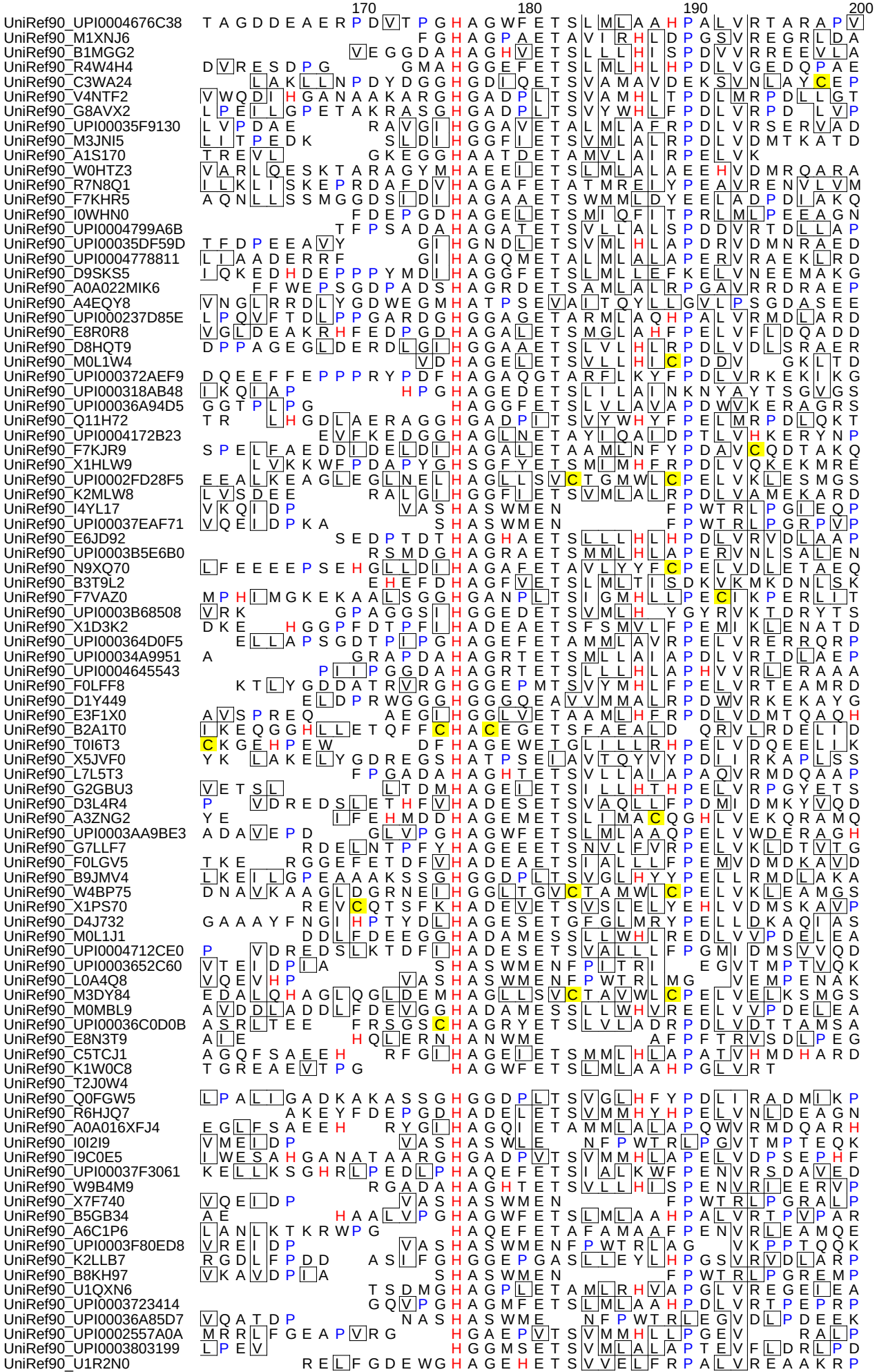

250
UniRef90_F4X983 E V C V E R I L A Y L E T V W D
UniRef90_T0AMZ6 T H Y A Q Q L A R L L Q E T Y D
UniRef90_UPI0003674613 K D I S L K F G N L I
UniRef90_R7WQG1 T D M H R R A H E C Y R R W T P
UniRef90_V8D2Y5 G D M A V R L A D A V G R W E P
UniRef90_UPI00035E8362 D
UniRef90_F5IVT6 G A V S Q K L S E L F V D
UniRef90_M0QJZ4 E S S I D A L V A A V G E W
UniRef90_C9YEP8
UniRef90_V4YKQ7 Q A A A A S L V Q L
UniRef90_W0RCN1 R D V T E R I G G F L V D
UniRef90_UPI0004729F00 D M Q V R A A T Q A I E A A T P P
UniRef90_A1WEV1
UniRef90_F1YUA5 N M Q I T A A I S A I N D A
UniRef90_Q0RDH0 D A Y V D D A V E R L L D W
UniRef90_UPI0002D29BC8 R H Y A G L L A R V V E E
UniRef90_J5EEX1 T E M V D G S V R R V S R W R P
UniRef90_Q0G4W3 E H Q A D A F I T F I D E
UniRef90_R7Q5I8 D E T V R E L R A L V S E
UniRef90_UPI000469AEBC E V S A D A L A A M I T D
UniRef90_UPI000478224A A A L T T G F A G H L
UniRef90_Q11EF5 E H A V S G F A E L L A D
UniRef90_R5BCD0 E A V A D N Y A Q L I H E
UniRef90_UPI0001FFDE6E D A L V A G F G D H L R
UniRef90_UPI000382175A A T A A R N F A R F L S E
UniRef90_UPI00037EB4FC D A L V F L I V K
UniRef90_G8WEV0 Q R A L A T T L A S I R H H L
UniRef90_H5V2C1 E T T L A S I T R I I R E
UniRef90_G6XK66 D L Q I R A A V A A I Q
UniRef90_X1ENK1
UniRef90_UPI0003734251 A H Y A E S L A A A I R D
UniRef90_Q5FSF7 D M Q I R T A V A A I Q
UniRef90_E3IYS9 D A L V S D A V S T I E S W
UniRef90_UPI000477B81F S S L A R S F G A L
UniRef90_A0A059MMB2 A E L V D R A T A Q V T R W E P
UniRef90_V6ARQ0 S E I V R N L A K T V S K
UniRef90_UPI00047DB55E A A A A K G L V Q L L S E A L P P
UniRef90_A0A011AHI1 T E A T D D L A T T V S R W L
UniRef90_UPI0003FDB9C0 G D T I T K I A S F L T D
UniRef90_V4ICE1 D G R A R G L A R A I R
UniRef90_UPI00034AAF1E
UniRef90_B5ZQ80 A H A V K G L V E L L E D
UniRef90_G5IM43 D I M I K A A A R A V K
UniRef90_A4CPA6 R D V S R K I G A F L L E
UniRef90_A0LG08 E R S V K A L V E I I E K
UniRef90_T0DNE4 E A M V G E L C K F I Q
UniRef90_C4K9I7 E H F A S R L A R I V E E A
UniRef90_H2JZR8 D R M A E R L A A D I R A W
UniRef90_G4RCA7 D H I L K G F A Q L L D E
UniRef90_UPI000364F1D6 E T A A A E L L E D Y R
UniRef90_V6DV59 D I V T D E L
UniRef90_D1Y3K3 Q T C A D Y I V D F M E E
UniRef90_UPI0003B559D0 D L M A T N
UniRef90_I0RC98 A E M V D S C V Q R V T R W A P
UniRef90_U4PY55 S H A V N G L V E L L E D
UniRef90_X1KE59
UniRef90_K1JFY5 D G V T D W M V R Y L E
UniRef90_UPI000472C662 E E A A Q N I A G L L A E
UniRef90_UPI000380DCAA G H F A A Q L A R I I D E A
UniRef90_UPI000379C1D3 E R A T E R Y L D L I R D
UniRef90_UPI000362CE4C
UniRef90_K6W8B2 D T L V T T L A D A V R T W
UniRef90_F4D0K7 A T V V D T A L A A L R A W D P
UniRef90_R7ZZ50 Q D V S Q K V A E L F I E
UniRef90_D7I9K8 E A I S E R Y A Q L F K E
UniRef90_R4T0Z3 S V L T D I L V E A I R E
UniRef90_X5LNR8 S H V L G G L R G L L D D
UniRef90_B9YC80 E A I S Q L L V Q L I D E
UniRef90_U2NRA1 D A V V A E Y A D F L R D
UniRef90_UPI00037C83C8 T I H V Q Y V A D K L Q K
UniRef90_UPI00046932C0 K A S V S D V V D G L R A L F P
UniRef90_K2MY58 E H V T G T V A R F V E H
UniRef90_D1A2X7 A A M V A S L I R R I E G W
UniRef90_Q9F3A6 D D R A R G L A R A I R
UniRef90_F9CYY5 D E I M K N L
UniRef90_D5QEW0 D M Q V T A A V R A L Q
UniRef90_UPI000373B94B
UniRef90_UPI000255859D E H L V A F C T D F I T H
UniRef90_R1F1D2 R E C V E S L R K L L V E
UniRef90_W2EYI4 D A G V A E V R E L L E K G W
UniRef90_UPI0003060E30 E I R A D A T A A I V R K A
UniRef90_I3TVZ2 A A L A T G A T E I V R A A
UniRef90_H5SKT6 E A I V E A T V A Y I E R T F
UniRef90_U1R225 E H A T D E L A A L V
UniRef90_U5EH40 R A A T T A L L E D L G R W W P
UniRef90_D8J943
UniRef90_L9VIA1 E S T T D R I L T H L R S E L
UniRef90_H0R396 A G M T G A L S R R L D A W
UniRef90_C3MLU7 A D T V D K L I W L I
UniRef90_UPI00047EA11D N G L V E R A V A A
UniRef90_L7VYE2 E A G I A E K V A H V H E
UniRef90_F0QYN4 R F M V N D I L R Q I Q D I Y

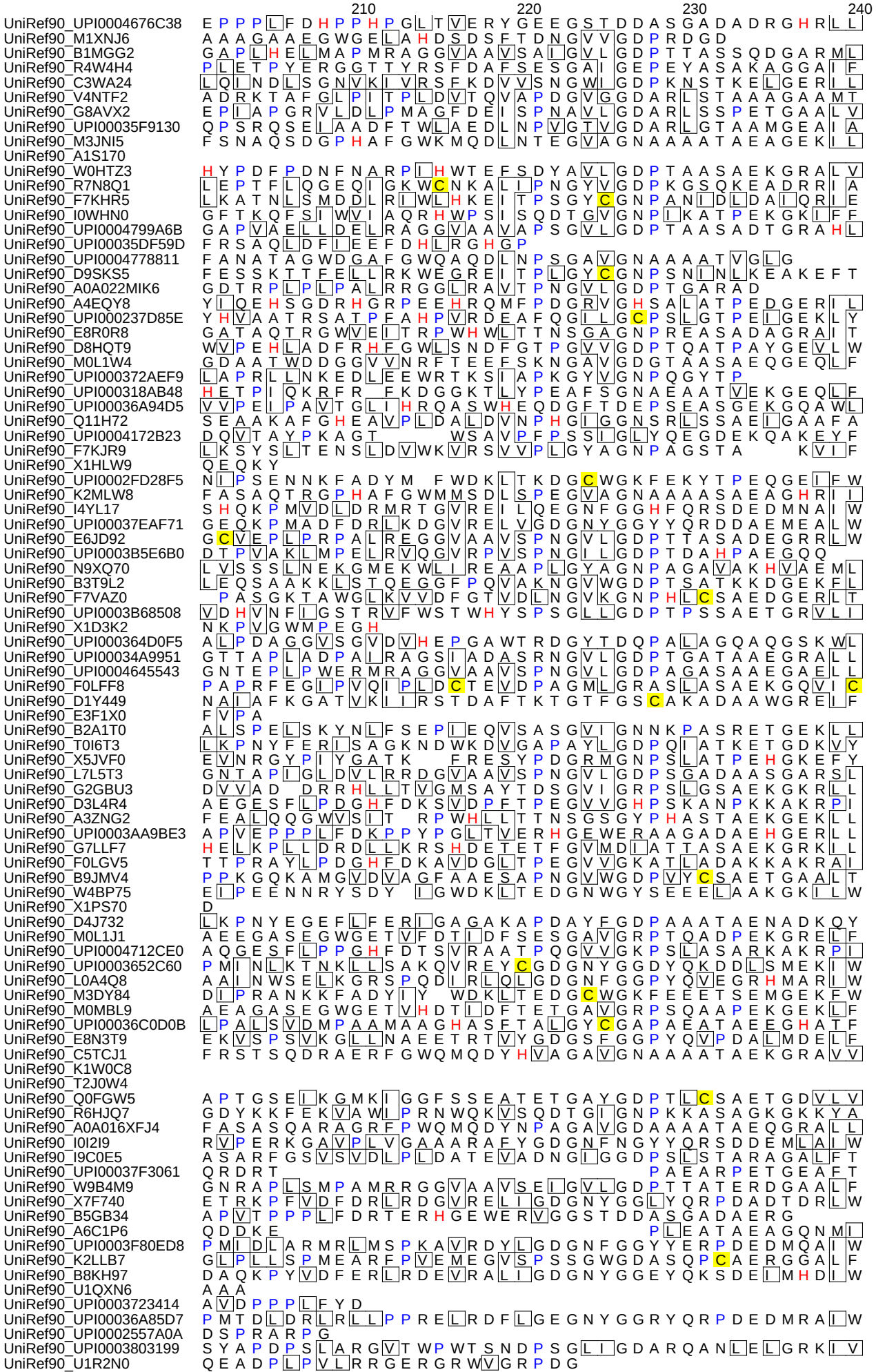

1
10
20
30
40
UniRef90_UPI0004676C38
UniRef90_M1XNJ6
UniRef90_B1MGG2
UniRef90_R4W4H4
UniRef90_C3WA24
UniRef90_V4NTF2
UniRef90_G8AVX2
UniRef90_UPI00035F9130
UniRef90_M3JNI5
UniRef90_A1S170
UniRef90_W0HTZ3
UniRef90_R7N8Q1
UniRef90_F7KHR5
UniRef90_I0WHN0
UniRef90_UPI0004799A6B
UniRef90_UPI00035DF59D
UniRef90_UPI0004778811
UniRef90_D9SKS5
UniRef90_A0A022MIK6
UniRef90_A4EQY8
UniRef90_UPI000237D85E
UniRef90_E8R0R8
UniRef90_D8HQT9
UniRef90_M0L1W4
UniRef90_UPI000372AEF9
UniRef90_UPI000318AB48
UniRef90_UPI00036A94D5
UniRef90_Q11H72
UniRef90_UPI0004172B23
UniRef90_F7KJR9
UniRef90_X1HLW9
UniRef90_UPI0002FD28F5
UniRef90_K2MLW8
UniRef90_I4YL17
UniRef90_UPI00037EAF71
UniRef90_E6JD92
UniRef90_UPI0003B5E6B0
UniRef90_N9XQ70
UniRef90_B3T9L2
UniRef90_F7VAZ0
UniRef90_UPI0003B68508
UniRef90_X1D3K2
UniRef90_UPI000364D0F5
UniRef90_UPI00034A9951
UniRef90_UPI0004645543
UniRef90_F0LFF8
UniRef90_D1Y449
UniRef90_E3F1X0
UniRef90_B2A1T0
UniRef90_T0I6T3
UniRef90_X5JVF0
UniRef90_L7L5T3
UniRef90_G2GBU3
UniRef90_D3L4R4
UniRef90_A3ZNG2
UniRef90_UPI0003AA9BE3
UniRef90_G7LLF7
UniRef90_F0LGV5
UniRef90_B9JMV4
UniRef90_W4BP75
UniRef90_X1PS70
UniRef90_D4J732
UniRef90_M0L1J1
UniRef90_UPI0004712CE0
UniRef90_UPI0003652C60
UniRef90_L0A4Q8
UniRef90_M3DY84
UniRef90_M0MBL9
UniRef90_UPI00036C0D0B
UniRef90_E8N3T9
UniRef90_C5TCJ1
UniRef90_K1W0C8
UniRef90_T2J0W4
UniRef90_Q0FGW5
UniRef90_R6HJQ7
UniRef90_A0A016XFJ4
UniRef90_I0I2I9
UniRef90_I9C0E5
UniRef90_UPI00037F3061
UniRef90_W9B4M9
UniRef90_X7F740
UniRef90_B5GB34
UniRef90_A6C1P6
UniRef90_UPI0003F80ED8
UniRef90_K2LLB7
UniRef90_B8KH97
UniRef90_U1QXN6
UniRef90_UPI0003723414
UniRef90_UPI00036A85D7
UniRef90_UPI0002557A0A
UniRef90_UPI0003803199
UniRef90_U1R2N0

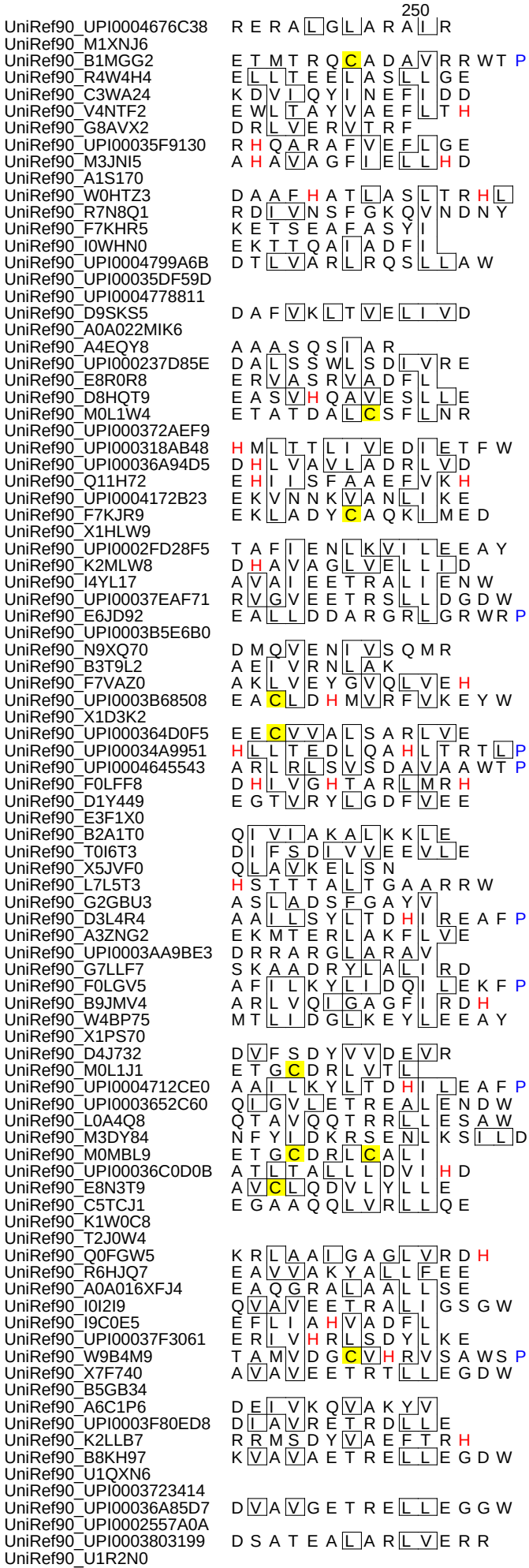

50
60
70
80
UniRef90_UPI0004676C38
UniRef90_M1XNJ6
UniRef90_B1MGG2
UniRef90_R4W4H4
UniRef90_C3WA24
UniRef90_V4NTF2
UniRef90_G8AVX2
UniRef90_UPI00035F9130
UniRef90_M3JNI5
UniRef90_A1S170
UniRef90_W0HTZ3
UniRef90_R7N8Q1
UniRef90_F7KHR5
UniRef90_I0WHN0
UniRef90_UPI0004799A6B
UniRef90_UPI00035DF59D
UniRef90_UPI0004778811
UniRef90_D9SKS5
UniRef90_A0A022MIK6
UniRef90_A4EQY8
UniRef90_UPI000237D85E
UniRef90_E8R0R8
UniRef90_D8HQT9
UniRef90_M0L1W4
UniRef90_UPI000372AEF9
UniRef90_UPI000318AB48
UniRef90_UPI00036A94D5
UniRef90_Q11H72
UniRef90_UPI0004172B23
UniRef90_F7KJR9
UniRef90_X1HLW9
UniRef90_UPI0002FD28F5
UniRef90_K2MLW8
UniRef90_I4YL17
UniRef90_UPI00037EAF71
UniRef90_E6JD92
UniRef90_UPI0003B5E6B0
UniRef90_N9XQ70
UniRef90_B3T9L2
UniRef90_F7VAZ0
UniRef90_UPI0003B68508
UniRef90_X1D3K2
UniRef90_UPI000364D0F5
UniRef90_UPI00034A9951
UniRef90_UPI0004645543
UniRef90_F0LFF8
UniRef90_D1Y449
UniRef90_E3F1X0
UniRef90_B2A1T0
UniRef90_T0I6T3
UniRef90_X5JVF0
UniRef90_L7L5T3
UniRef90_G2GBU3
UniRef90_D3L4R4
UniRef90_A3ZNG2
UniRef90_UPI0003AA9BE3
UniRef90_G7LLF7
UniRef90_F0LGV5
UniRef90_B9JMV4
UniRef90_W4BP75
UniRef90_X1PS70
UniRef90_D4J732
UniRef90_M0L1J1
UniRef90_UPI0004712CE0
UniRef90_UPI0003652C60
UniRef90_L0A4Q8
UniRef90_M3DY84
UniRef90_M0MBL9
UniRef90_UPI00036C0D0B
UniRef90_E8N3T9
UniRef90_C5TCJ1
UniRef90_K1W0C8
UniRef90_T2J0W4
UniRef90_Q0FGW5
UniRef90_R6HJQ7
UniRef90_A0A016XFJ4
UniRef90_I0I2I9
UniRef90_I9C0E5
UniRef90_UPI00037F3061
UniRef90_W9B4M9
UniRef90_X7F740
UniRef90_B5GB34
UniRef90_A6C1P6
UniRef90_UPI0003F80ED8
UniRef90_K2LLB7
UniRef90_B8KH97
UniRef90_U1QXN6
UniRef90_UPI0003723414
UniRef90_UPI00036A85D7
UniRef90_UPI0002557A0A
UniRef90_UPI0003803199
UniRef90_U1R2N0

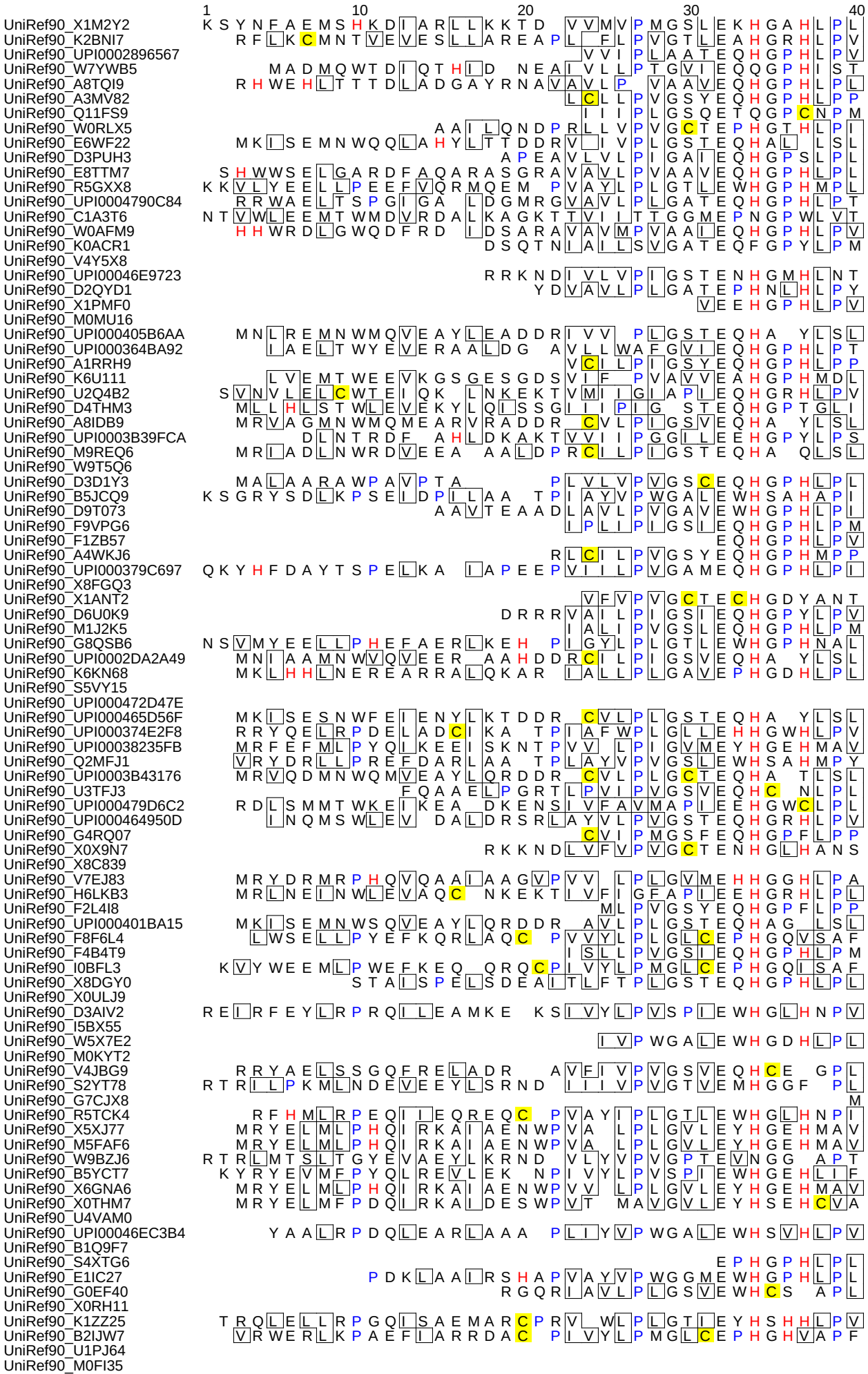

90
100
110
120
UniRef90_UPI0004676C38
UniRef90_M1XNJ6
UniRef90_B1MGG2
UniRef90_R4W4H4
UniRef90_C3WA24
UniRef90_V4NTF2
UniRef90_G8AVX2
UniRef90_UPI00035F9130
UniRef90_M3JNI5
UniRef90_A1S170
UniRef90_W0HTZ3
UniRef90_R7N8Q1
UniRef90_F7KHR5
UniRef90_I0WHN0
UniRef90_UPI0004799A6B
UniRef90_UPI00035DF59D
UniRef90_UPI0004778811
UniRef90_D9SKS5
UniRef90_A0A022MIK6
UniRef90_A4EQY8
UniRef90_UPI000237D85E
UniRef90_E8R0R8
UniRef90_D8HQT9
UniRef90_M0L1W4
UniRef90_UPI000372AEF9
UniRef90_UPI000318AB48
UniRef90_UPI00036A94D5
UniRef90_Q11H72
UniRef90_UPI0004172B23
UniRef90_F7KJR9
UniRef90_X1HLW9
UniRef90_UPI0002FD28F5
UniRef90_K2MLW8
UniRef90_I4YL17
UniRef90_UPI00037EAF71
UniRef90_E6JD92
UniRef90_UPI0003B5E6B0
UniRef90_N9XQ70
UniRef90_B3T9L2
UniRef90_F7VAZ0
UniRef90_UPI0003B68508
UniRef90_X1D3K2
UniRef90_UPI000364D0F5
UniRef90_UPI00034A9951
UniRef90_UPI0004645543
UniRef90_F0LFF8
UniRef90_D1Y449
UniRef90_E3F1X0
UniRef90_B2A1T0
UniRef90_T0I6T3
UniRef90_X5JVF0
UniRef90_L7L5T3
UniRef90_G2GBU3
UniRef90_D3L4R4
UniRef90_A3ZNG2
UniRef90_UPI0003AA9BE3
UniRef90_G7LLF7
UniRef90_F0LGV5
UniRef90_B9JMV4
UniRef90_W4BP75
UniRef90_X1PS70
UniRef90_D4J732
UniRef90_M0L1J1
UniRef90_UPI0004712CE0
UniRef90_UPI0003652C60
UniRef90_L0A4Q8
UniRef90_M3DY84
UniRef90_M0MBL9
UniRef90_UPI00036C0D0B
UniRef90_E8N3T9
UniRef90_C5TCJ1
UniRef90_K1W0C8
UniRef90_T2J0W4
UniRef90_Q0FGW5
UniRef90_R6HJQ7
UniRef90_A0A016XFJ4
UniRef90_I0I2I9
UniRef90_I9C0E5
UniRef90_UPI00037F3061
UniRef90_W9B4M9
UniRef90_X7F740
UniRef90_B5GB34
UniRef90_A6C1P6
UniRef90_UPI0003F80ED8
UniRef90_K2LLB7
UniRef90_B8KH97
UniRef90_U1QXN6
UniRef90_UPI0003723414
UniRef90_UPI00036A85D7
UniRef90_UPI0002557A0A
UniRef90_UPI0003803199
UniRef90_U1R2N0

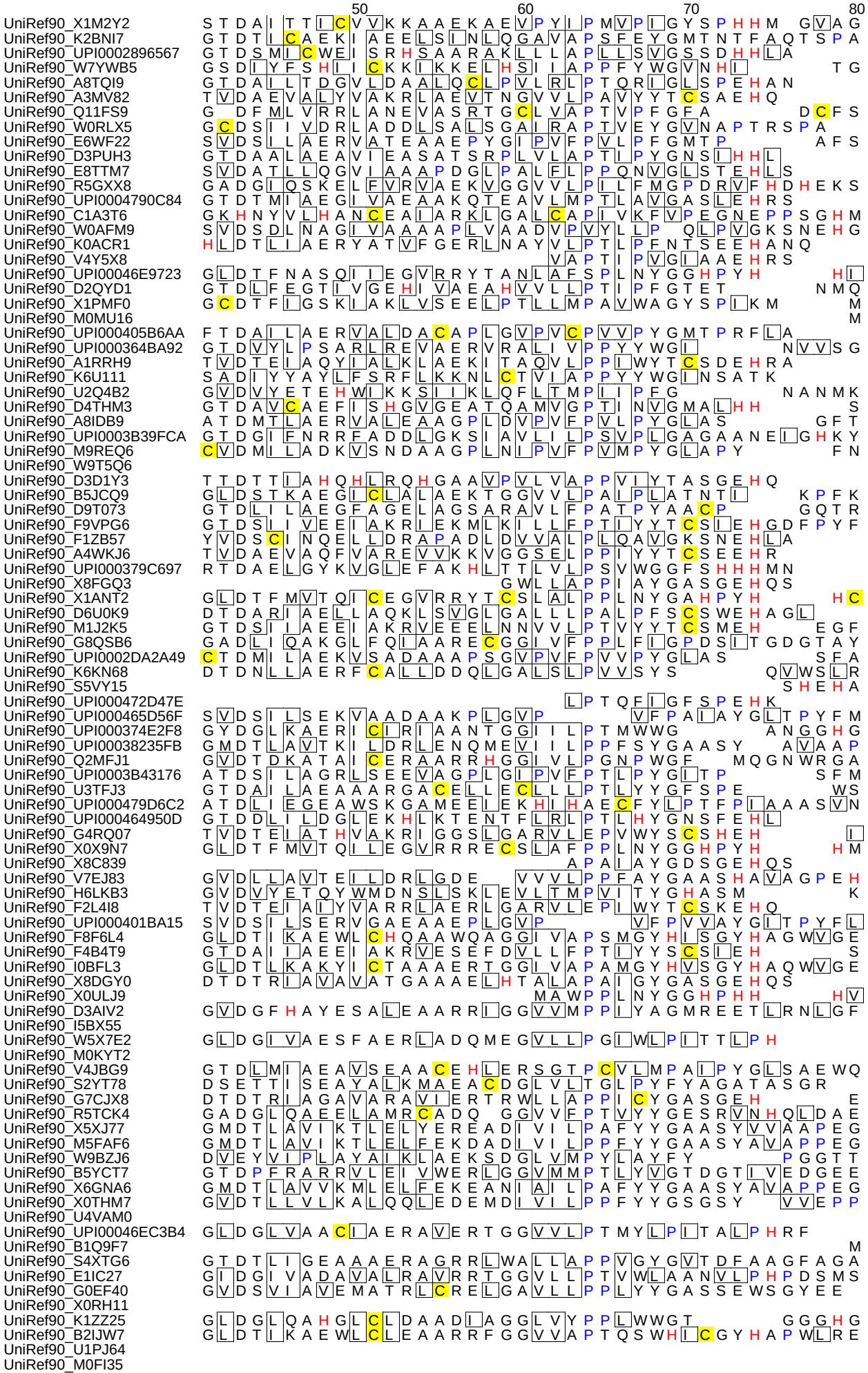

130
140
150
160
UniRef90_UPI0004676C38
UniRef90_M1XNJ6
UniRef90_B1MGG2
UniRef90_R4W4H4
UniRef90_C3WA24
UniRef90_V4NTF2
UniRef90_G8AVX2
UniRef90_UPI00035F9130
UniRef90_M3JNI5
UniRef90_A1S170
UniRef90_W0HTZ3
UniRef90_R7N8Q1
UniRef90_F7KHR5
UniRef90_I0WHN0
UniRef90_UPI0004799A6B
UniRef90_UPI00035DF59D
UniRef90_UPI0004778811
UniRef90_D9SKS5
UniRef90_A0A022MIK6
UniRef90_A4EQY8
UniRef90_UPI000237D85E
UniRef90_E8R0R8
UniRef90_D8HQT9
UniRef90_M0L1W4
UniRef90_UPI000372AEF9
UniRef90_UPI000318AB48
UniRef90_UPI00036A94D5
UniRef90_Q11H72
UniRef90_UPI0004172B23
UniRef90_F7KJR9
UniRef90_X1HLW9
UniRef90_UPI0002FD28F5
UniRef90_K2MLW8
UniRef90_I4YL17
UniRef90_UPI00037EAF71
UniRef90_E6JD92
UniRef90_UPI0003B5E6B0
UniRef90_N9XQ70
UniRef90_B3T9L2
UniRef90_F7VAZ0
UniRef90_UPI0003B68508
UniRef90_X1D3K2
UniRef90_UPI000364D0F5
UniRef90_UPI00034A9951
UniRef90_UPI0004645543
UniRef90_F0LFF8
UniRef90_D1Y449
UniRef90_E3F1X0
UniRef90_B2A1T0
UniRef90_T0I6T3
UniRef90_X5JVF0
UniRef90_L7L5T3
UniRef90_G2GBU3
UniRef90_D3L4R4
UniRef90_A3ZNG2
UniRef90_UPI0003AA9BE3
UniRef90_G7LLF7
UniRef90_F0LGV5
UniRef90_B9JMV4
UniRef90_W4BP75
UniRef90_X1PS70
UniRef90_D4J732
UniRef90_M0L1J1
UniRef90_UPI0004712CE0
UniRef90_UPI0003652C60
UniRef90_L0A4Q8
UniRef90_M3DY84
UniRef90_M0MBL9
UniRef90_UPI00036C0D0B
UniRef90_E8N3T9
UniRef90_C5TCJ1
UniRef90_K1W0C8
UniRef90_T2J0W4
UniRef90_Q0FGW5
UniRef90_R6HJQ7
UniRef90_A0A016XFJ4
UniRef90_I0I2I9
UniRef90_I9C0E5
UniRef90_UPI00037F3061
UniRef90_W9B4M9
UniRef90_X7F740
UniRef90_B5GB34
UniRef90_A6C1P6
UniRef90_UPI0003F80ED8
UniRef90_K2LLB7
UniRef90_B8KH97
UniRef90_U1QXN6
UniRef90_UPI0003723414
UniRef90_UPI00036A85D7
UniRef90_UPI0002557A0A
UniRef90_UPI0003803199
UniRef90_U1R2N0

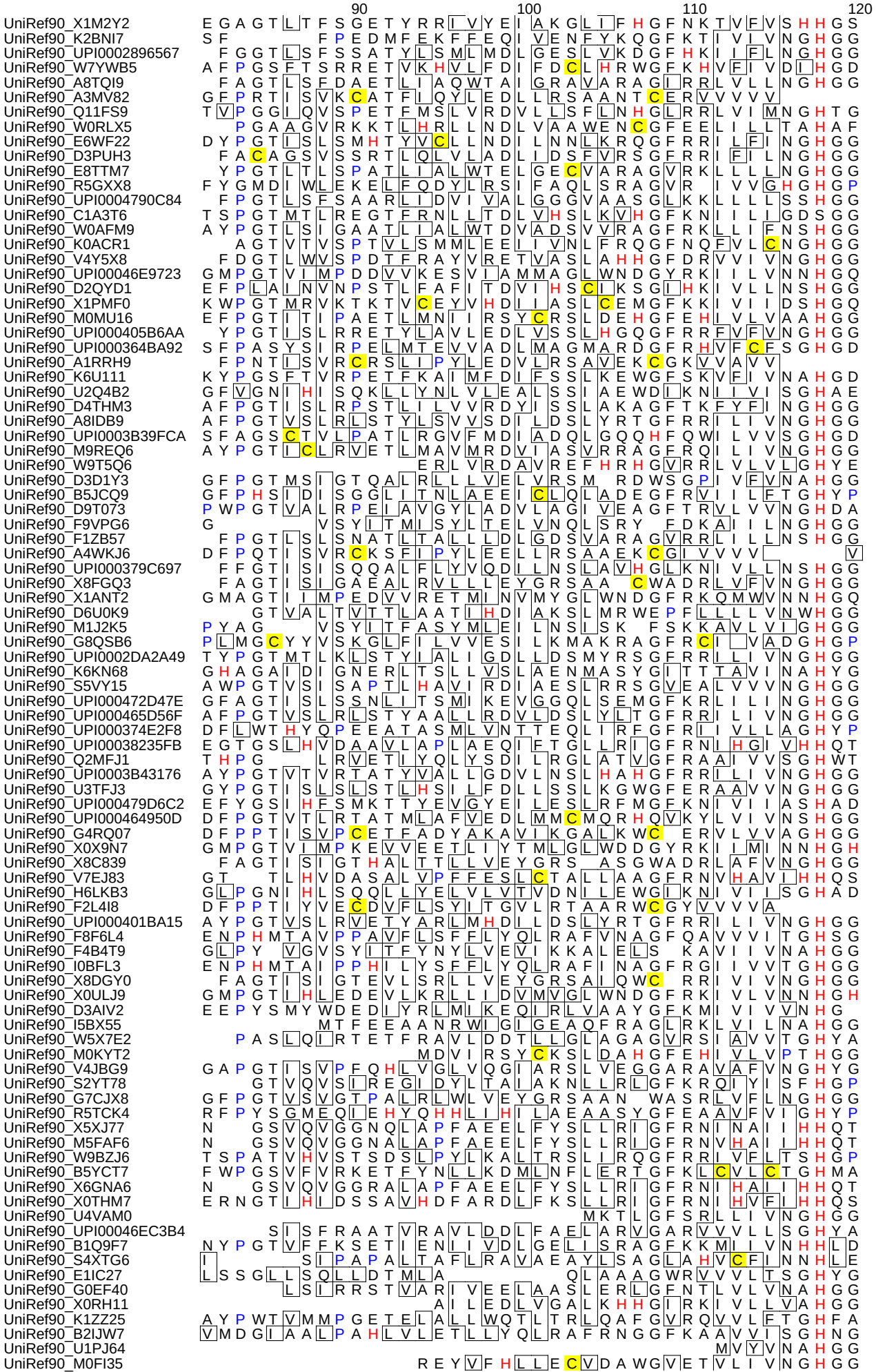

170
180
190
200
UniRef90_UPI0004676C38
UniRef90_M1XNJ6
UniRef90_B1MGG2
UniRef90_R4W4H4
UniRef90_C3WA24
UniRef90_V4NTF2
UniRef90_G8AVX2
UniRef90_UPI00035F9130
UniRef90_M3JNI5
UniRef90_A1S170
UniRef90_W0HTZ3
UniRef90_R7N8Q1
UniRef90_F7KHR5
UniRef90_I0WHN0
UniRef90_UPI0004799A6B
UniRef90_UPI00035DF59D
UniRef90_UPI0004778811
UniRef90_D9SKS5
UniRef90_A0A022MIK6
UniRef90_A4EQY8
UniRef90_UPI000237D85E
UniRef90_E8R0R8
UniRef90_D8HQT9
UniRef90_M0L1W4
UniRef90_UPI000372AEF9
UniRef90_UPI000318AB48
UniRef90_UPI00036A94D5
UniRef90_Q11H72
UniRef90_UPI0004172B23
UniRef90_F7KJR9
UniRef90_X1HLW9
UniRef90_UPI0002FD28F5
UniRef90_K2MLW8
UniRef90_I4YL17
UniRef90_UPI00037EAF71
UniRef90_E6JD92
UniRef90_UPI0003B5E6B0
UniRef90_N9XQ70
UniRef90_B3T9L2
UniRef90_F7VAZ0
UniRef90_UPI0003B68508
UniRef90_X1D3K2
UniRef90_UPI000364D0F5
UniRef90_UPI00034A9951
UniRef90_UPI0004645543
UniRef90_F0LFF8
UniRef90_D1Y449
UniRef90_E3F1X0
UniRef90_B2A1T0
UniRef90_T0I6T3
UniRef90_X5JVF0
UniRef90_L7L5T3
UniRef90_G2GBU3
UniRef90_D3L4R4
UniRef90_A3ZNG2
UniRef90_UPI0003AA9BE3
UniRef90_G7LLF7
UniRef90_F0LGV5
UniRef90_B9JMV4
UniRef90_W4BP75
UniRef90_X1PS70
UniRef90_D4J732
UniRef90_M0L1J1
UniRef90_UPI0004712CE0
UniRef90_UPI0003652C60
UniRef90_L0A4Q8
UniRef90_M3DY84
UniRef90_M0MBL9
UniRef90_UPI00036C0D0B
UniRef90_E8N3T9
UniRef90_C5TCJ1
UniRef90_K1W0C8
UniRef90_T2J0W4
UniRef90_Q0FGW5
UniRef90_R6HJQ7
UniRef90_A0A016XFJ4
UniRef90_I0I2I9
UniRef90_I9C0E5
UniRef90_UPI00037F3061
UniRef90_W9B4M9
UniRef90_X7F740
UniRef90_B5GB34
UniRef90_A6C1P6
UniRef90_UPI0003F80ED8
UniRef90_K2LLB7
UniRef90_B8KH97
UniRef90_U1QXN6
UniRef90_UPI0003723414
UniRef90_UPI00036A85D7
UniRef90_UPI0002557A0A
UniRef90_UPI0003803199
UniRef90_U1R2N0

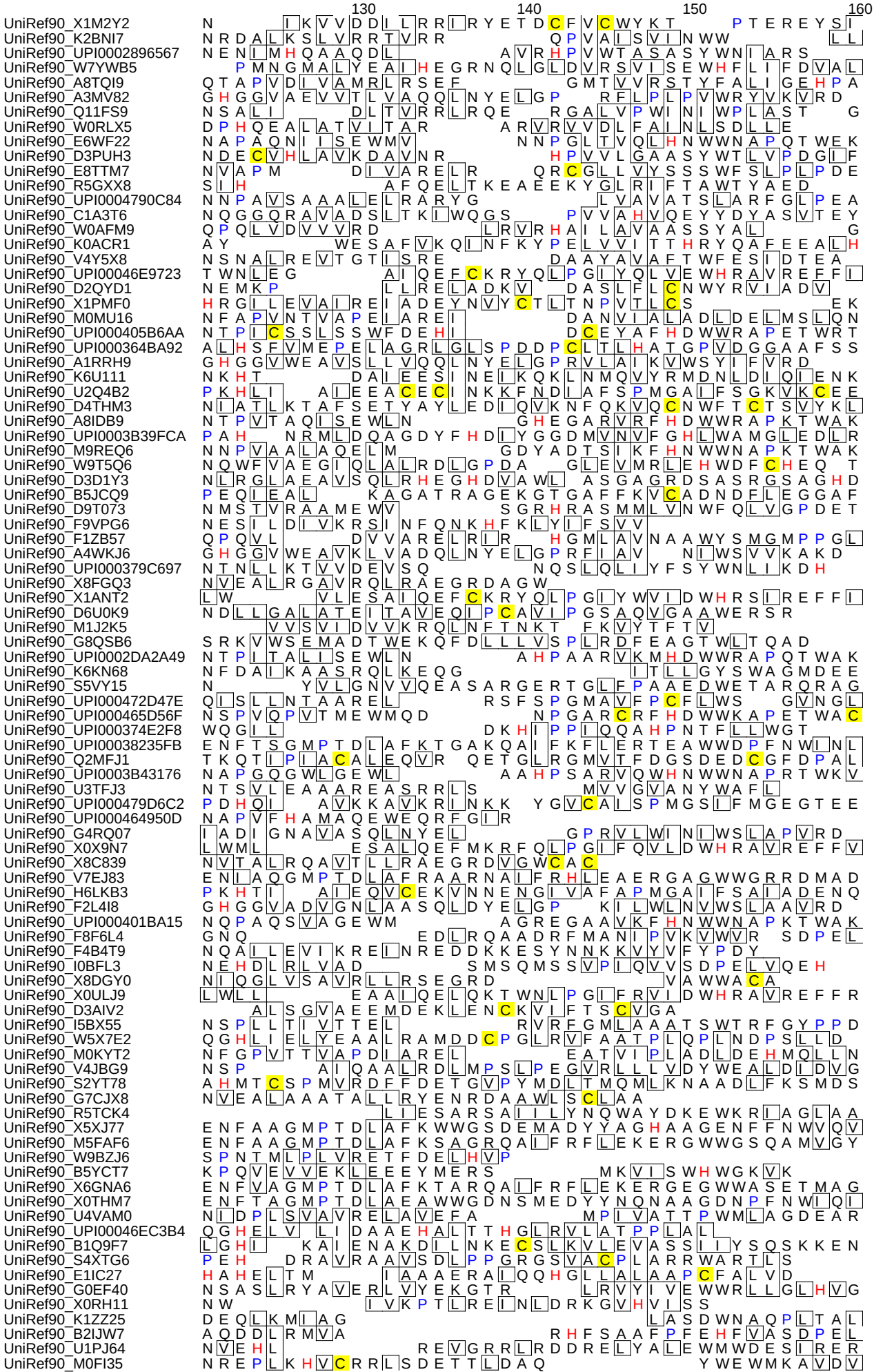

210
220
230
240
UniRef90_UPI0004676C38
UniRef90_M1XNJ6
UniRef90_B1MGG2
UniRef90_R4W4H4
UniRef90_C3WA24
UniRef90_V4NTF2
UniRef90_G8AVX2
UniRef90_UPI00035F9130
UniRef90_M3JNI5
UniRef90_A1S170
UniRef90_W0HTZ3
UniRef90_R7N8Q1
UniRef90_F7KHR5
UniRef90_I0WHN0
UniRef90_UPI0004799A6B
UniRef90_UPI00035DF59D
UniRef90_UPI0004778811
UniRef90_D9SKS5
UniRef90_A0A022MIK6
UniRef90_A4EQY8
UniRef90_UPI000237D85E
UniRef90_E8R0R8
UniRef90_D8HQT9
UniRef90_M0L1W4
UniRef90_UPI000372AEF9
UniRef90_UPI000318AB48
UniRef90_UPI00036A94D5
UniRef90_Q11H72
UniRef90_UPI0004172B23
UniRef90_F7KJR9
UniRef90_X1HLW9
UniRef90_UPI0002FD28F5
UniRef90_K2MLW8
UniRef90_I4YL17
UniRef90_UPI00037EAF71
UniRef90_E6JD92
UniRef90_UPI0003B5E6B0
UniRef90_N9XQ70
UniRef90_B3T9L2
UniRef90_F7VAZ0
UniRef90_UPI0003B68508
UniRef90_X1D3K2
UniRef90_UPI000364D0F5
UniRef90_UPI00034A9951
UniRef90_UPI0004645543
UniRef90_F0LFF8
UniRef90_D1Y449
UniRef90_E3F1X0
UniRef90_B2A1T0
UniRef90_T0I6T3
UniRef90_X5JVF0
UniRef90_L7L5T3
UniRef90_G2GBU3
UniRef90_D3L4R4
UniRef90_A3ZNG2
UniRef90_UPI0003AA9BE3
UniRef90_G7LLF7
UniRef90_F0LGV5
UniRef90_B9JMV4
UniRef90_W4BP75
UniRef90_X1PS70
UniRef90_D4J732
UniRef90_M0L1J1
UniRef90_UPI0004712CE0
UniRef90_UPI0003652C60
UniRef90_L0A4Q8
UniRef90_M3DY84
UniRef90_M0MBL9
UniRef90_UPI00036C0D0B
UniRef90_E8N3T9
UniRef90_C5TCJ1
UniRef90_K1W0C8
UniRef90_T2J0W4
UniRef90_Q0FGW5
UniRef90_R6HJQ7
UniRef90_A0A016XFJ4
UniRef90_I0I2I9
UniRef90_I9C0E5
UniRef90_UPI00037F3061
UniRef90_W9B4M9
UniRef90_X7F740
UniRef90_B5GB34
UniRef90_A6C1P6
UniRef90_UPI0003F80ED8
UniRef90_K2LLB7
UniRef90_B8KH97
UniRef90_U1QXN6
UniRef90_UPI0003723414
UniRef90_UPI00036A85D7
UniRef90_UPI0002557A0A
UniRef90_UPI0003803199
UniRef90_U1R2N0

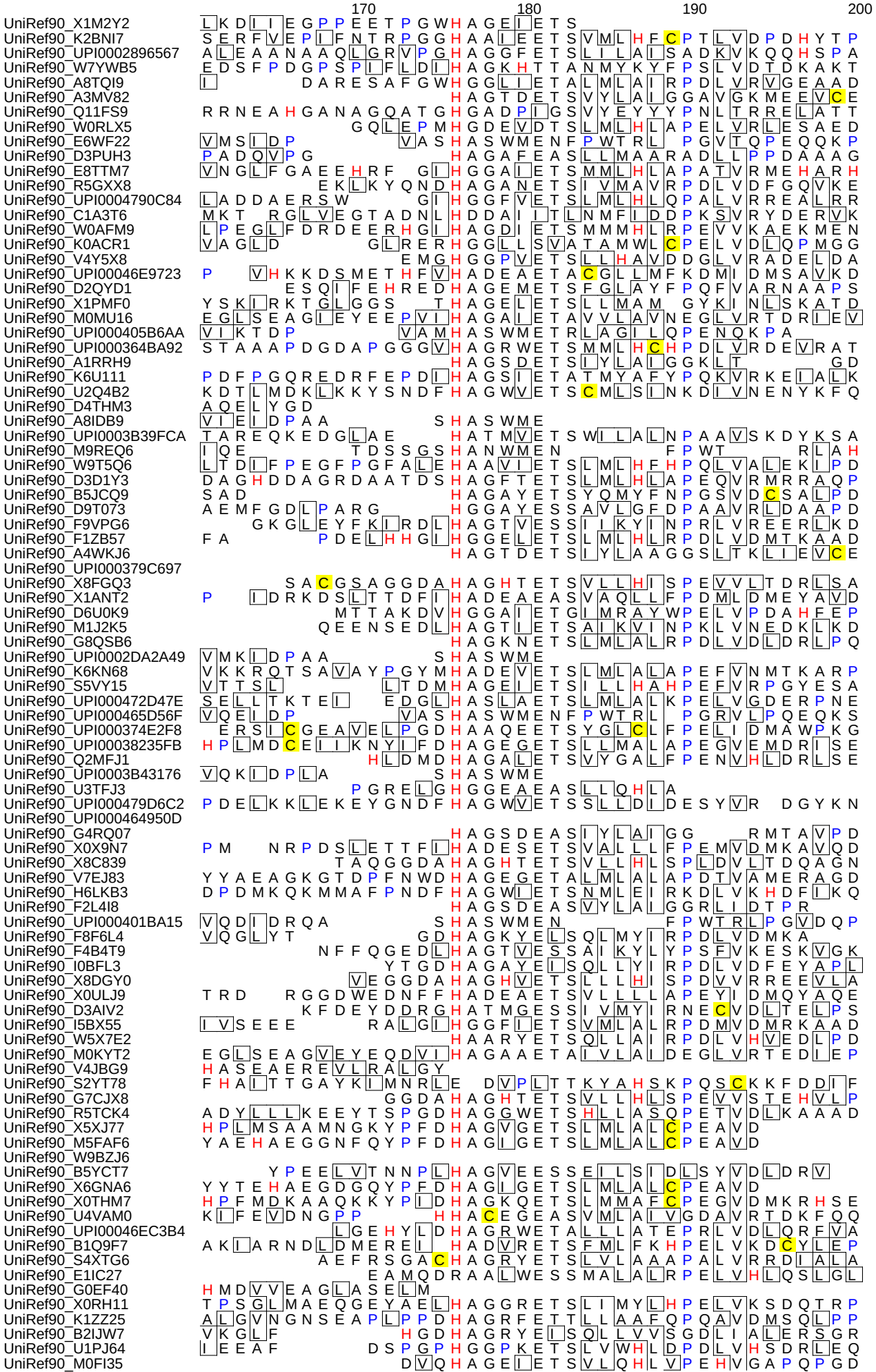

250
UniRef90_UPI0004676C38 R E R A L G L A R A I R
UniRef90_M1XNJ6
UniRef90_B1MGG2 E T M T R Q C A D A V R R W T P
UniRef90_R4W4H4 E L L T E E L A S L L G E
UniRef90_C3WA24 K D V I Q Y I N E F I D D
UniRef90_V4NTF2 E W L T A Y V A E F L T H
UniRef90_G8AVX2 D R L V E R V T R F
UniRef90_UPI00035F9130 R H Q A R A F V E F L G E
UniRef90_M3JNI5 A H A V A G F I E L L H D
UniRef90_A1S170
UniRef90_W0HTZ3 D A A F H A T L A S L T R H L
UniRef90_R7N8Q1 R D I V N S F G K Q V N D N Y
UniRef90_F7KHR5 K E T S E A F A S Y I
UniRef90_I0WHN0 E K T T Q A I A D F I
UniRef90_UPI0004799A6B D T L V A R L R Q S L L A W
UniRef90_UPI00035DF59D
UniRef90_UPI0004778811
UniRef90_D9SKS5 D A F V K L T V E L I V D
UniRef90_A0A022MIK6
UniRef90_A4EQY8 A A A S Q S I A R
UniRef90_UPI000237D85E D A L S S W L S D I V R E
UniRef90_E8R0R8 E R V A S R V A D F L
UniRef90_D8HQT9 E A S V H Q A V E S L L E
UniRef90_M0L1W4 E T A T D A L C S F L N R
UniRef90_UPI000372AEF9
UniRef90_UPI000318AB48 H M L T T L I V E D I E T F W
UniRef90_UPI00036A94D5 D H L V A V L A D R L V D
UniRef90_Q11H72 E H I I S F A A E F V K H
UniRef90_UPI0004172B23 E K V N N K V A N L I K E
UniRef90_F7KJR9 E K L A D Y C A Q K I M E D
UniRef90_X1HLW9
UniRef90_UPI0002FD28F5 T A F I E N L K V I L E E A Y
UniRef90_K2MLW8 D H A V A G L V E L L I D
UniRef90_I4YL17 A V A I E E T R A L I E N W
UniRef90_UPI00037EAF71 R V G V E E T R S L L D G D W
UniRef90_E6JD92 E A L L D D A R G R L G R W R P
UniRef90_UPI0003B5E6B0
UniRef90_N9XQ70 D M Q V E N I V S Q M R
UniRef90_B3T9L2 A E I V R N L A K
UniRef90_F7VAZ0 A K L V E Y G V Q L V E H
UniRef90_UPI0003B68508 E A C L D H M V R F V K E Y W
UniRef90_X1D3K2
UniRef90_UPI000364D0F5 E E C V V A L S A R L V E
UniRef90_UPI00034A9951 H L L T E D L Q A H L T R T L P
UniRef90_UPI0004645543 A R L R L S V S D A V A A W T P
UniRef90_F0LFF8 D H I V G H T A R L M R H
UniRef90_D1Y449 E G T V R Y L G D F V E E
UniRef90_E3F1X0
UniRef90_B2A1T0 Q I V I A K A L K K L E
UniRef90_T0I6T3 D I F S D I V V E E V L E
UniRef90_X5JVF0 Q L A V K E L S N
UniRef90_L7L5T3 H S T T T A L T G A A R R W
UniRef90_G2GBU3 A S L A D S F G A Y V
UniRef90_D3L4R4 A A I L S Y L T D H I R E A F P P
UniRef90_A3ZNG2 E K M T E R L A K F L V E
UniRef90_UPI0003AA9BE3 D R R A R G L A R A V
UniRef90_G7LLF7 S K A A D R Y L A L I R D
UniRef90_F0LGV5 A F I L K Y L I D Q I L E K F P P
UniRef90_B9JMV4 A R L V Q I G A G F I R D H
UniRef90_W4BP75 M T L I D G L K E Y L E E A Y
UniRef90_X1PS70
UniRef90_D4J732 D V F S D Y V V D E V R
UniRef90_M0L1J1 E T G C D R L V T L
UniRef90_UPI0004712CE0 A A I L K Y L T D H I L E A F P P
UniRef90_UPI0003652C60 Q I G V L E T R E A L E N D W
UniRef90_L0A4Q8 Q T A V Q Q T R R L L E S A W
UniRef90_M3DY84 N F Y I D K R S E N L K S I L D
UniRef90_M0MBL9 E T G C D R L C A L I
UniRef90_UPI00036C0D0B A T L T A L L L D V I H D
UniRef90_E8N3T9 A V C L Q D V L Y L L E
UniRef90_C5TCJ1 E G A A Q Q L V R L L Q E
UniRef90_K1W0C8
UniRef90_T2J0W4
UniRef90_Q0FGW5 K R L A A I G A G L V R D H
UniRef90_R6HJQ7 E A V V A K Y A L L F E E
UniRef90_A0A016XFJ4 E A Q G R A L A A L L S E
UniRef90_I0I2I9 Q V A V E E T R A L I G S G W
UniRef90_I9C0E5 E F L I A H V A D F L
UniRef90_UPI00037F3061 E R I V H R L S D Y L K E
UniRef90_W9B4M9 T A M V D G C V H R V S A W S P
UniRef90_X7F740 A V A V E E T R T L L E G D W
UniRef90_B5GB34
UniRef90_A6C1P6 D E I V K Q V A K Y V
UniRef90_UPI0003F80ED8 D I A V R E T R D L L E
UniRef90_K2LLB7 R R M S D Y V A E F T R H
UniRef90_B8KH97 K V A V A E T R E L L E G D W
UniRef90_U1QXN6
UniRef90_UPI0003723414
UniRef90_UPI00036A85D7 D V A V G E T R E L L E G G W
UniRef90_UPI0002557A0A
UniRef90_UPI0003803199 D S A T E A L A R L V E R R
UniRef90_U1R2N0

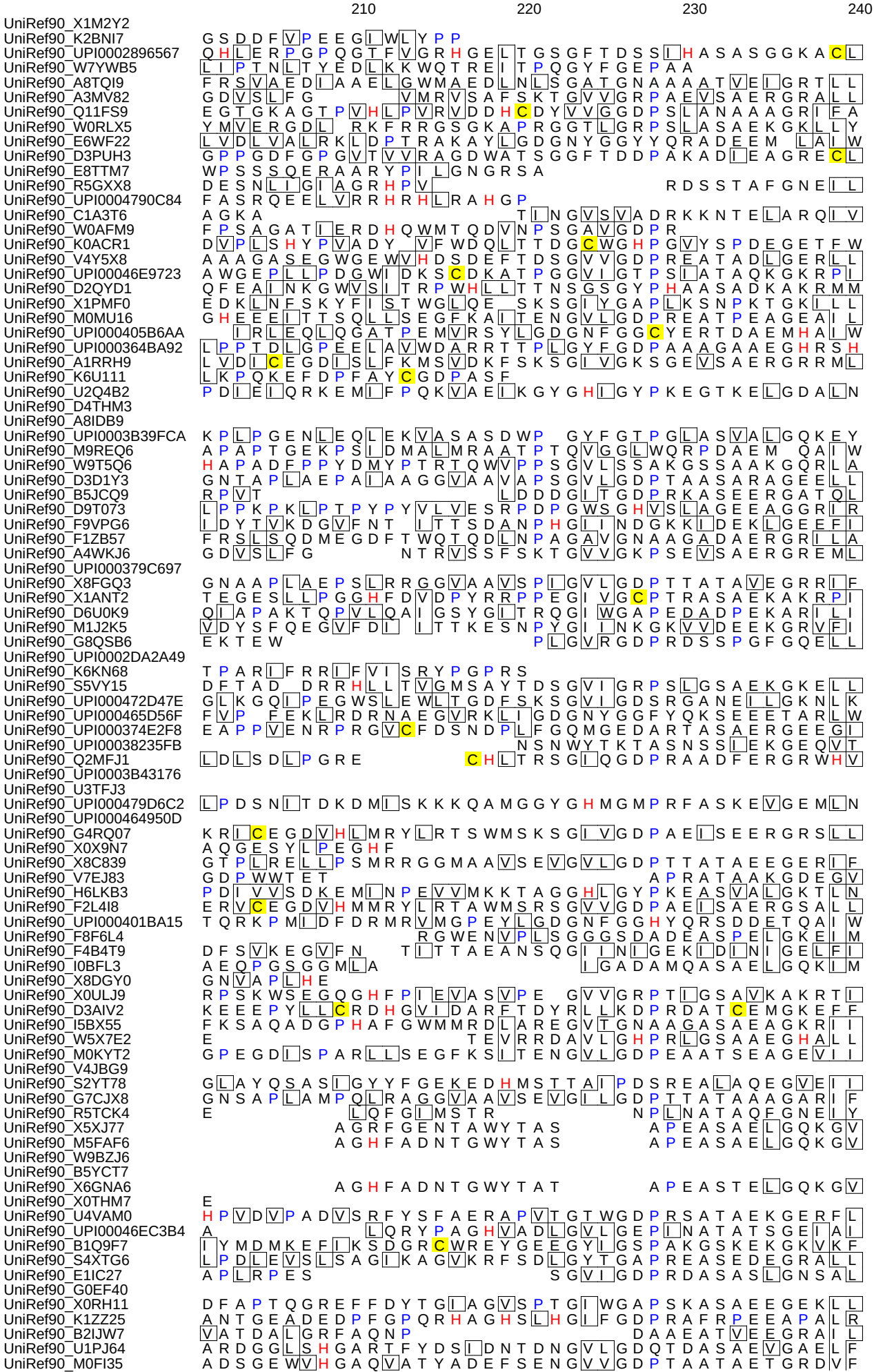

1
10
20
30
40
UniRef90_X1M2Y2
UniRef90_K2BNI7
UniRef90_UPI0002896567
UniRef90_W7YWB5
UniRef90_A8TQI9
UniRef90_A3MV82
UniRef90_Q11FS9
UniRef90_W0RLX5
UniRef90_E6WF22
UniRef90_D3PUH3
UniRef90_E8TTM7
UniRef90_R5GXX8
UniRef90_UPI0004790C84
UniRef90_C1A3T6
UniRef90_W0AFM9
UniRef90_K0ACR1
UniRef90_V4Y5X8
UniRef90_UPI00046E9723
UniRef90_D2QYD1
UniRef90_X1PMF0
UniRef90_M0MU16
UniRef90_UPI000405B6AA
UniRef90_UPI000364BA92
UniRef90_A1RRH9
UniRef90_K6U111
UniRef90_U2Q4B2
UniRef90_D4THM3
UniRef90_A8IDB9
UniRef90_UPI0003B39FCA
UniRef90_M9REQ6
UniRef90_W9T5Q6
UniRef90_D3D1Y3
UniRef90_B5JCQ9
UniRef90_D9T073
UniRef90_F9VPG6
UniRef90_F1ZB57
UniRef90_A4WKJ6
UniRef90_UPI000379C697
UniRef90_X8FGQ3
UniRef90_X1ANT2
UniRef90_D6U0K9
UniRef90_M1J2K5
UniRef90_G8QSB6
UniRef90_UPI0002DA2A49
UniRef90_K6KN68
UniRef90_S5VY15
UniRef90_UPI000472D47E
UniRef90_UPI000465D56F
UniRef90_UPI000374E2F8
UniRef90_UPI00038235FB
UniRef90_Q2MFJ1
UniRef90_UPI0003B43176
UniRef90_U3TFJ3
UniRef90_UPI000479D6C2
UniRef90_UPI000464950D
UniRef90_G4RQ07
UniRef90_X0X9N7
UniRef90_X8C839
UniRef90_V7EJ83
UniRef90_H6LKB3
UniRef90_F2L4I8
UniRef90_UPI000401BA15
UniRef90_F8F6L4
UniRef90_F4B4T9
UniRef90_I0BFL3
UniRef90_X8DGY0
UniRef90_X0ULJ9
UniRef90_D3AIV2
UniRef90_I5BX55
UniRef90_W5X7E2
UniRef90_M0KYT2
UniRef90_V4JBG9
UniRef90_S2YT78
UniRef90_G7CJX8
UniRef90_R5TCK4
UniRef90_X5XJ77
UniRef90_M5FAF6
UniRef90_W9BZJ6
UniRef90_B5YCT7
UniRef90_X6GNA6
UniRef90_X0THM7
UniRef90_U4VAM0
UniRef90_UPI00046EC3B4
UniRef90_B1Q9F7
UniRef90_S4XTG6
UniRef90_E1IC27
UniRef90_G0EF40
UniRef90_X0RH11
UniRef90_K1ZZ25
UniRef90_B2IJW7
UniRef90_U1PJ64
UniRef90_M0FI35

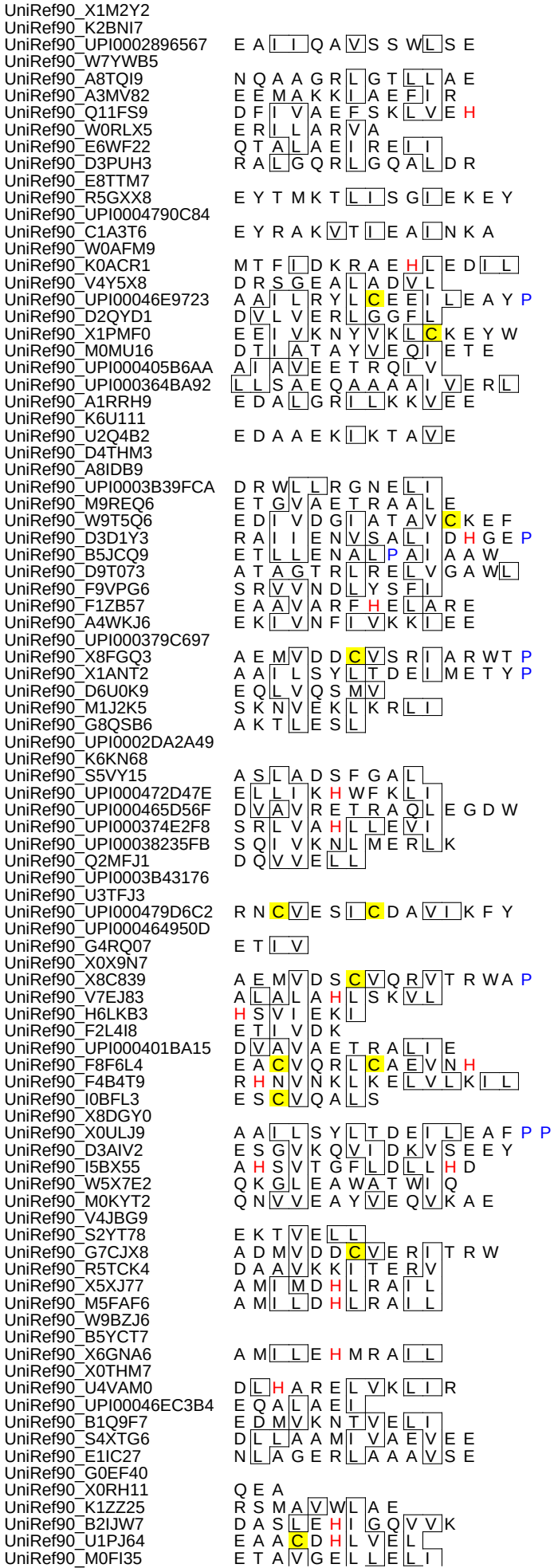

50
60
70
80
UniRef90_X1M2Y2
UniRef90_K2BNI7
UniRef90_UPI0002896567
UniRef90_W7YWB5
UniRef90_A8TQI9
UniRef90_A3MV82
UniRef90_Q11FS9
UniRef90_W0RLX5
UniRef90_E6WF22
UniRef90_D3PUH3
UniRef90_E8TTM7
UniRef90_R5GXX8
UniRef90_UPI0004790C84
UniRef90_C1A3T6
UniRef90_W0AFM9
UniRef90_K0ACR1
UniRef90_V4Y5X8
UniRef90_UPI00046E9723
UniRef90_D2QYD1
UniRef90_X1PMF0
UniRef90_M0MU16
UniRef90_UPI000405B6AA
UniRef90_UPI000364BA92
UniRef90_A1RRH9
UniRef90_K6U111
UniRef90_U2Q4B2
UniRef90_D4THM3
UniRef90_A8IDB9
UniRef90_UPI0003B39FCA
UniRef90_M9REQ6
UniRef90_W9T5Q6
UniRef90_D3D1Y3
UniRef90_B5JCQ9
UniRef90_D9T073
UniRef90_F9VPG6
UniRef90_F1ZB57
UniRef90_A4WKJ6
UniRef90_UPI000379C697
UniRef90_X8FGQ3
UniRef90_X1ANT2
UniRef90_D6U0K9
UniRef90_M1J2K5
UniRef90_G8QSB6
UniRef90_UPI0002DA2A49
UniRef90_K6KN68
UniRef90_S5VY15
UniRef90_UPI000472D47E
UniRef90_UPI000465D56F
UniRef90_UPI000374E2F8
UniRef90_UPI00038235FB
UniRef90_Q2MFJ1
UniRef90_UPI0003B43176
UniRef90_U3TFJ3
UniRef90_UPI000479D6C2
UniRef90_UPI000464950D
UniRef90_G4RQ07
UniRef90_X0X9N7
UniRef90_X8C839
UniRef90_V7EJ83
UniRef90_H6LKB3
UniRef90_F2L4I8
UniRef90_UPI000401BA15
UniRef90_F8F6L4
UniRef90_F4B4T9
UniRef90_I0BFL3
UniRef90_X8DGY0
UniRef90_X0ULJ9
UniRef90_D3AIV2
UniRef90_I5BX55
UniRef90_W5X7E2
UniRef90_M0KYT2
UniRef90_V4JBG9
UniRef90_S2YT78
UniRef90_G7CJX8
UniRef90_R5TCK4
UniRef90_X5XJ77
UniRef90_M5FAF6
UniRef90_W9BZJ6
UniRef90_B5YCT7
UniRef90_X6GNA6
UniRef90_X0THM7
UniRef90_U4VAM0
UniRef90_UPI00046EC3B4
UniRef90_B1Q9F7
UniRef90_S4XTG6
UniRef90_E1IC27
UniRef90_G0EF40
UniRef90_X0RH11
UniRef90_K1ZZ25
UniRef90_B2IJW7
UniRef90_U1PJ64
UniRef90_M0FI35

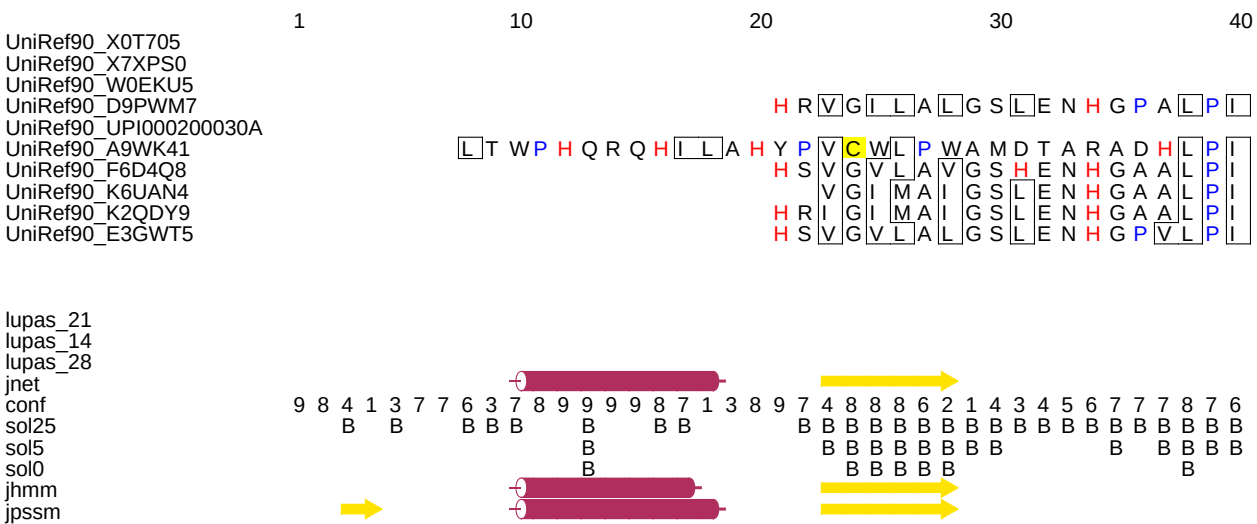

90
100
110
120
UniRef90_X1M2Y2
UniRef90_K2BNI7
UniRef90_UPI0002896567
UniRef90_W7YWB5
UniRef90_A8TQI9
UniRef90_A3MV82
UniRef90_Q11FS9
UniRef90_W0RLX5
UniRef90_E6WF22
UniRef90_D3PUH3
UniRef90_E8TTM7
UniRef90_R5GXX8
UniRef90_UPI0004790C84
UniRef90_C1A3T6
UniRef90_W0AFM9
UniRef90_K0ACR1
UniRef90_V4Y5X8
UniRef90_UPI00046E9723
UniRef90_D2QYD1
UniRef90_X1PMF0
UniRef90_M0MU16
UniRef90_UPI000405B6AA
UniRef90_UPI000364BA92
UniRef90_A1RRH9
UniRef90_K6U111
UniRef90_U2Q4B2
UniRef90_D4THM3
UniRef90_A8IDB9
UniRef90_UPI0003B39FCA
UniRef90_M9REQ6
UniRef90_W9T5Q6
UniRef90_D3D1Y3
UniRef90_B5JCQ9
UniRef90_D9T073
UniRef90_F9VPG6
UniRef90_F1ZB57
UniRef90_A4WKJ6
UniRef90_UPI000379C697
UniRef90_X8FGQ3
UniRef90_X1ANT2
UniRef90_D6U0K9
UniRef90_M1J2K5
UniRef90_G8QSB6
UniRef90_UPI0002DA2A49
UniRef90_K6KN68
UniRef90_S5VY15
UniRef90_UPI000472D47E
UniRef90_UPI000465D56F
UniRef90_UPI000374E2F8
UniRef90_UPI00038235FB
UniRef90_Q2MFJ1
UniRef90_UPI0003B43176
UniRef90_U3TFJ3
UniRef90_UPI000479D6C2
UniRef90_UPI000464950D
UniRef90_G4RQ07
UniRef90_X0X9N7
UniRef90_X8C839
UniRef90_V7EJ83
UniRef90_H6LKB3
UniRef90_F2L4I8
UniRef90_UPI000401BA15
UniRef90_F8F6L4
UniRef90_F4B4T9
UniRef90_I0BFL3
UniRef90_X8DGY0
UniRef90_X0ULJ9
UniRef90_D3AIV2
UniRef90_I5BX55
UniRef90_W5X7E2
UniRef90_M0KYT2
UniRef90_V4JBG9
UniRef90_S2YT78
UniRef90_G7CJX8
UniRef90_R5TCK4
UniRef90_X5XJ77
UniRef90_M5FAF6
UniRef90_W9BZJ6
UniRef90_B5YCT7
UniRef90_X6GNA6
UniRef90_X0THM7
UniRef90_U4VAM0
UniRef90_UPI00046EC3B4
UniRef90_B1Q9F7
UniRef90_S4XTG6
UniRef90_E1IC27
UniRef90_G0EF40
UniRef90_X0RH11
UniRef90_K1ZZ25
UniRef90_B2IJW7
UniRef90_U1PJ64
UniRef90_M0FI35

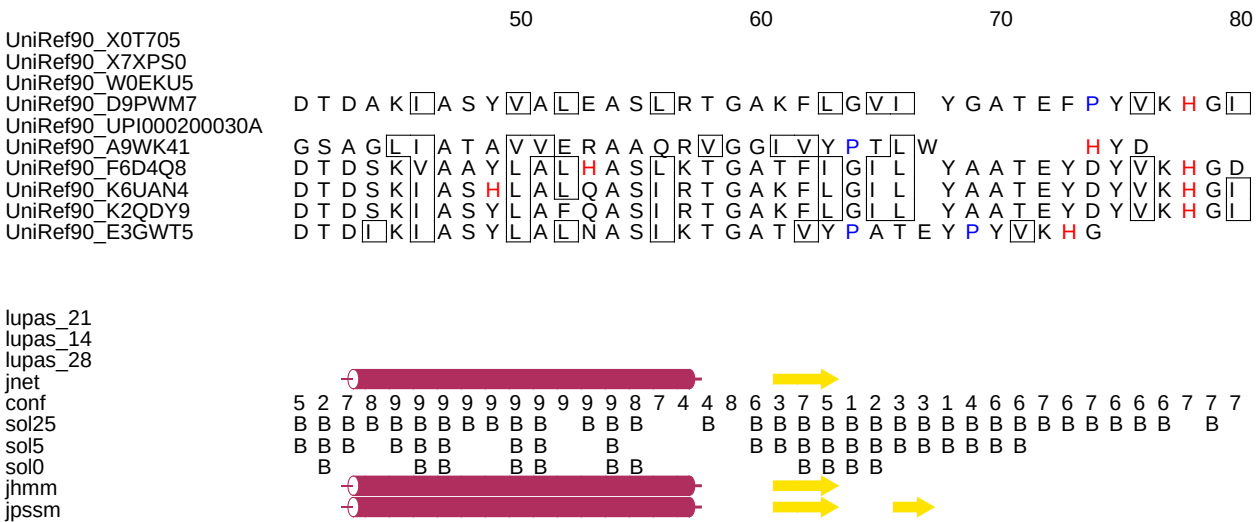

130
140
150
160
UniRef90_X1M2Y2
UniRef90_K2BNI7
UniRef90_UPI0002896567
UniRef90_W7YWB5
UniRef90_A8TQI9
UniRef90_A3MV82
UniRef90_Q11FS9
UniRef90_W0RLX5
UniRef90_E6WF22
UniRef90_D3PUH3
UniRef90_E8TTM7
UniRef90_R5GXX8
UniRef90_UPI0004790C84
UniRef90_C1A3T6
UniRef90_W0AFM9
UniRef90_K0ACR1
UniRef90_V4Y5X8
UniRef90_UPI00046E9723
UniRef90_D2QYD1
UniRef90_X1PMF0
UniRef90_M0MU16
UniRef90_UPI000405B6AA
UniRef90_UPI000364BA92
UniRef90_A1RRH9
UniRef90_K6U111
UniRef90_U2Q4B2
UniRef90_D4THM3
UniRef90_A8IDB9
UniRef90_UPI0003B39FCA
UniRef90_M9REQ6
UniRef90_W9T5Q6
UniRef90_D3D1Y3
UniRef90_B5JCQ9
UniRef90_D9T073
UniRef90_F9VPG6
UniRef90_F1ZB57
UniRef90_A4WKJ6
UniRef90_UPI000379C697
UniRef90_X8FGQ3
UniRef90_X1ANT2
UniRef90_D6U0K9
UniRef90_M1J2K5
UniRef90_G8QSB6
UniRef90_UPI0002DA2A49
UniRef90_K6KN68
UniRef90_S5VY15
UniRef90_UPI000472D47E
UniRef90_UPI000465D56F
UniRef90_UPI000374E2F8
UniRef90_UPI00038235FB
UniRef90_Q2MFJ1
UniRef90_UPI0003B43176
UniRef90_U3TFJ3
UniRef90_UPI000479D6C2
UniRef90_UPI000464950D
UniRef90_G4RQ07
UniRef90_X0X9N7
UniRef90_X8C839
UniRef90_V7EJ83
UniRef90_H6LKB3
UniRef90_F2L4I8
UniRef90_UPI000401BA15
UniRef90_F8F6L4
UniRef90_F4B4T9
UniRef90_I0BFL3
UniRef90_X8DGY0
UniRef90_X0ULJ9
UniRef90_D3AIV2
UniRef90_I5BX55
UniRef90_W5X7E2
UniRef90_M0KYT2
UniRef90_V4JBG9
UniRef90_S2YT78
UniRef90_G7CJX8
UniRef90_R5TCK4
UniRef90_X5XJ77
UniRef90_M5FAF6
UniRef90_W9BZJ6
UniRef90_B5YCT7
UniRef90_X6GNA6
UniRef90_X0THM7
UniRef90_U4VAM0
UniRef90_UPI00046EC3B4
UniRef90_B1Q9F7
UniRef90_S4XTG6
UniRef90_E1IC27
UniRef90_G0EF40
UniRef90_X0RH11
UniRef90_K1ZZ25
UniRef90_B2IJW7
UniRef90_U1PJ64
UniRef90_M0FI35

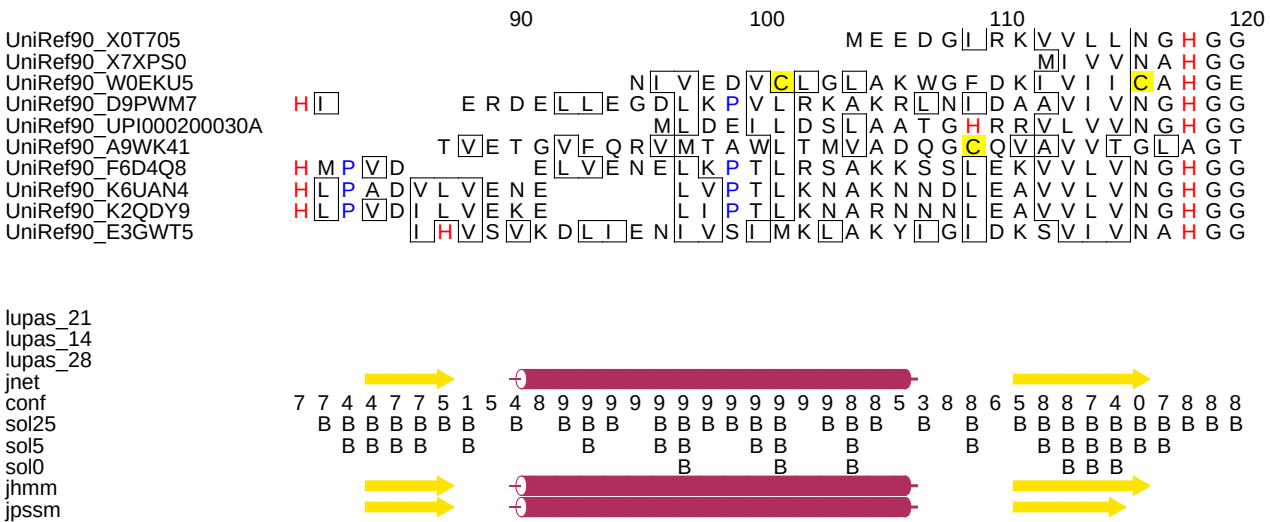

170
180
190
200
UniRef90_X1M2Y2
UniRef90_K2BNI7
UniRef90_UPI0002896567
UniRef90_W7YWB5
UniRef90_A8TQI9
UniRef90_A3MV82
UniRef90_Q11FS9
UniRef90_W0RLX5
UniRef90_E6WF22
UniRef90_D3PUH3
UniRef90_E8TTM7
UniRef90_R5GXX8
UniRef90_UPI0004790C84
UniRef90_C1A3T6
UniRef90_W0AFM9
UniRef90_K0ACR1
UniRef90_V4Y5X8
UniRef90_UPI00046E9723
UniRef90_D2QYD1
UniRef90_X1PMF0
UniRef90_M0MU16
UniRef90_UPI000405B6AA
UniRef90_UPI000364BA92
UniRef90_A1RRH9
UniRef90_K6U111
UniRef90_U2Q4B2
UniRef90_D4THM3
UniRef90_A8IDB9
UniRef90_UPI0003B39FCA
UniRef90_M9REQ6
UniRef90_W9T5Q6
UniRef90_D3D1Y3
UniRef90_B5JCQ9
UniRef90_D9T073
UniRef90_F9VPG6
UniRef90_F1ZB57
UniRef90_A4WKJ6
UniRef90_UPI000379C697
UniRef90_X8FGQ3
UniRef90_X1ANT2
UniRef90_D6U0K9
UniRef90_M1J2K5
UniRef90_G8QSB6
UniRef90_UPI0002DA2A49
UniRef90_K6KN68
UniRef90_S5VY15
UniRef90_UPI000472D47E
UniRef90_UPI000465D56F
UniRef90_UPI000374E2F8
UniRef90_UPI00038235FB
UniRef90_Q2MFJ1
UniRef90_UPI0003B43176
UniRef90_U3TFJ3
UniRef90_UPI000479D6C2
UniRef90_UPI000464950D
UniRef90_G4RQ07
UniRef90_X0X9N7
UniRef90_X8C839
UniRef90_V7EJ83
UniRef90_H6LKB3
UniRef90_F2L4I8
UniRef90_UPI000401BA15
UniRef90_F8F6L4
UniRef90_F4B4T9
UniRef90_I0BFL3
UniRef90_X8DGY0
UniRef90_X0ULJ9
UniRef90_D3AIV2
UniRef90_I5BX55
UniRef90_W5X7E2
UniRef90_M0KYT2
UniRef90_V4JBG9
UniRef90_S2YT78
UniRef90_G7CJX8
UniRef90_R5TCK4
UniRef90_X5XJ77
UniRef90_M5FAF6
UniRef90_W9BZJ6
UniRef90_B5YCT7
UniRef90_X6GNA6
UniRef90_X0THM7
UniRef90_U4VAM0
UniRef90_UPI00046EC3B4
UniRef90_B1Q9F7
UniRef90_S4XTG6
UniRef90_E1IC27
UniRef90_G0EF40
UniRef90_X0RH11
UniRef90_K1ZZ25
UniRef90_B2IJW7
UniRef90_U1PJ64
UniRef90_M0FI35

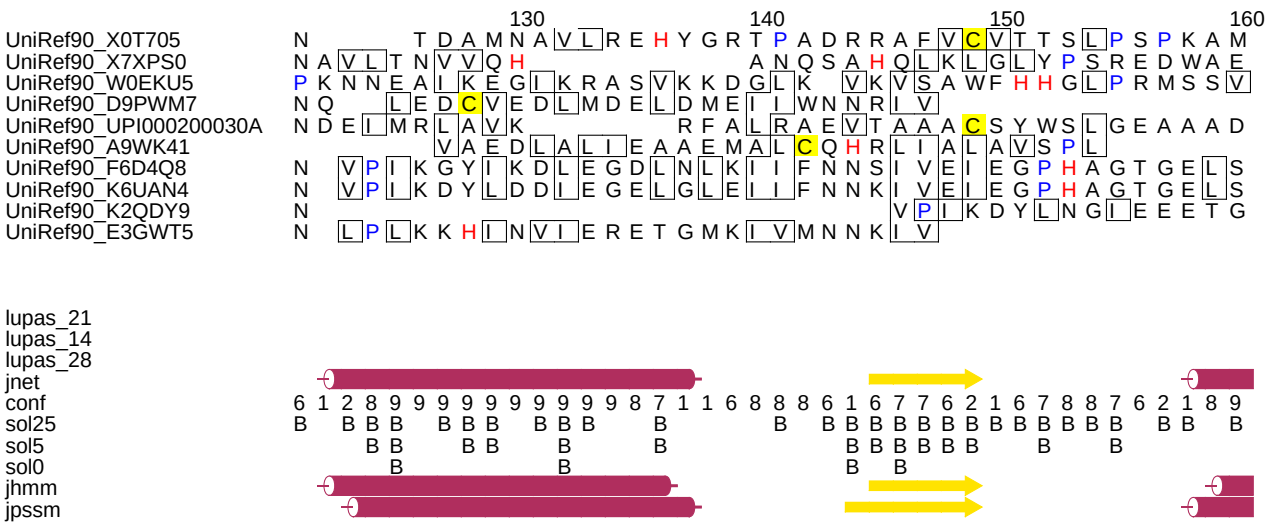

210
220
230
240
UniRef90_X1M2Y2
UniRef90_K2BNI7
UniRef90_UPI0002896567
UniRef90_W7YWB5
UniRef90_A8TQI9
UniRef90_A3MV82
UniRef90_Q11FS9
UniRef90_W0RLX5
UniRef90_E6WF22
UniRef90_D3PUH3
UniRef90_E8TTM7
UniRef90_R5GXX8
UniRef90_UPI0004790C84
UniRef90_C1A3T6
UniRef90_W0AFM9
UniRef90_K0ACR1
UniRef90_V4Y5X8
UniRef90_UPI00046E9723
UniRef90_D2QYD1
UniRef90_X1PMF0
UniRef90_M0MU16
UniRef90_UPI000405B6AA
UniRef90_UPI000364BA92
UniRef90_A1RRH9
UniRef90_K6U111
UniRef90_U2Q4B2
UniRef90_D4THM3
UniRef90_A8IDB9
UniRef90_UPI0003B39FCA
UniRef90_M9REQ6
UniRef90_W9T5Q6
UniRef90_D3D1Y3
UniRef90_B5JCQ9
UniRef90_D9T073
UniRef90_F9VPG6
UniRef90_F1ZB57
UniRef90_A4WKJ6
UniRef90_UPI000379C697
UniRef90_X8FGQ3
UniRef90_X1ANT2
UniRef90_D6U0K9
UniRef90_M1J2K5
UniRef90_G8QSB6
UniRef90_UPI0002DA2A49
UniRef90_K6KN68
UniRef90_S5VY15
UniRef90_UPI000472D47E
UniRef90_UPI000465D56F
UniRef90_UPI000374E2F8
UniRef90_UPI00038235FB
UniRef90_Q2MFJ1
UniRef90_UPI0003B43176
UniRef90_U3TFJ3
UniRef90_UPI000479D6C2
UniRef90_UPI000464950D
UniRef90_G4RQ07
UniRef90_X0X9N7
UniRef90_X8C839
UniRef90_V7EJ83
UniRef90_H6LKB3
UniRef90_F2L4I8
UniRef90_UPI000401BA15
UniRef90_F8F6L4
UniRef90_F4B4T9
UniRef90_I0BFL3
UniRef90_X8DGY0
UniRef90_X0ULJ9
UniRef90_D3AIV2
UniRef90_I5BX55
UniRef90_W5X7E2
UniRef90_M0KYT2
UniRef90_V4JBG9
UniRef90_S2YT78
UniRef90_G7CJX8
UniRef90_R5TCK4
UniRef90_X5XJ77
UniRef90_M5FAF6
UniRef90_W9BZJ6
UniRef90_B5YCT7
UniRef90_X6GNA6
UniRef90_X0THM7
UniRef90_U4VAM0
UniRef90_UPI00046EC3B4
UniRef90_B1Q9F7
UniRef90_S4XTG6
UniRef90_E1IC27
UniRef90_G0EF40
UniRef90_X0RH11
UniRef90_K1ZZ25
UniRef90_B2IJW7
UniRef90_U1PJ64
UniRef90_M0FI35

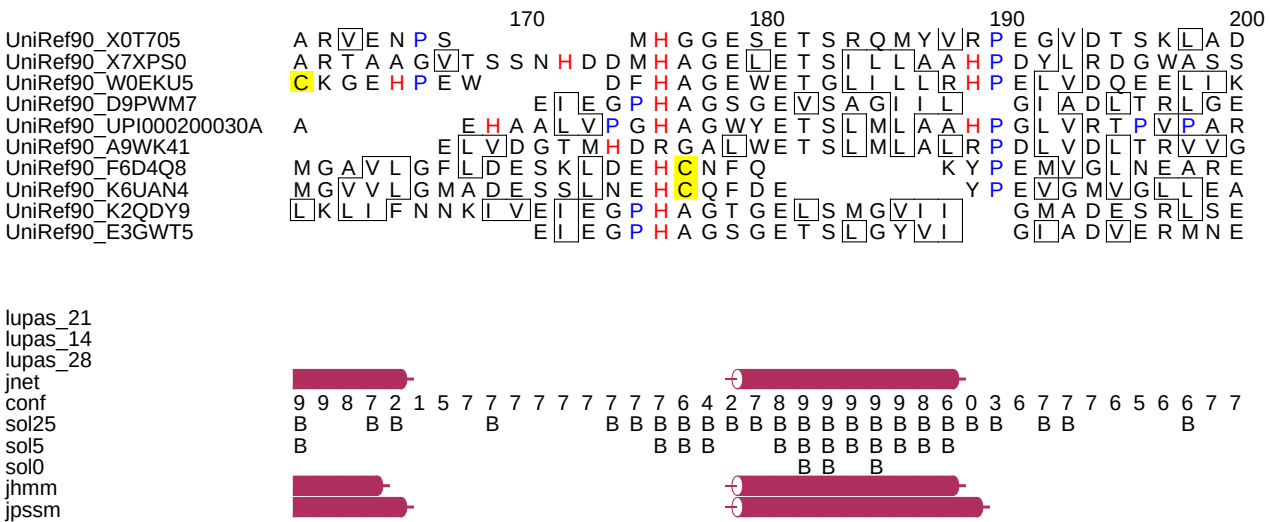

UniRef90_X1M2Y2
UniRef90_K2BNI7
UniRef90_UPI0002896567 E A I I Q A V S S W L S E
UniRef90_W7YWB5
UniRef90_A8TQI9 N Q A A G R L G T L L A E
UniRef90_A3MV82 E E M A K K I A E F I R
UniRef90_Q11FS9 D F I V A E F S K L V E H
UniRef90_W0RLX5 E R I L A R V A
UniRef90_E6WF22 Q T A L A E I R E I I
UniRef90_D3PUH3 R A L G Q R L G Q A L D R
UniRef90_E8TTM7
UniRef90_R5GXX8 E Y T M K T L I S G I E K E Y
UniRef90_UPI0004790C84
UniRef90_C1A3T6 E Y R A K V T I E A I N K A
UniRef90_W0AFM9
UniRef90_K0ACR1 M T F I D K R A E H L E D I L
UniRef90_V4Y5X8 D R S G E A L A D V L
UniRef90_UPI00046E9723 A A I L R Y L C E E I L E A Y P
UniRef90_D2QYD1 D V L V E R L G G F L
UniRef90_X1PMF0 E E I V K N Y V K L C K E Y W
UniRef90_M0MU16 D T I A T A Y V E Q I E T E
UniRef90_UPI000405B6AA A I A V E E T R Q I V
UniRef90_UPI000364BA92 L L S A E Q A A A A I V E R L
UniRef90_A1RRH9 E D A L G R I L K K V E E
UniRef90_K6U111
UniRef90_U2Q4B2 E D A A E K I K T A V E
UniRef90_D4THM3
UniRef90_A8IDB9
UniRef90_UPI0003B39FCA D R W L L R G N E L I
UniRef90_M9REQ6 E T G V A E T R A A L E
UniRef90_W9T5Q6 E D I V D G I A T A V C K E F
UniRef90_D3D1Y3 R A I I E N V S A L I D H G E P
UniRef90_B5JCQ9 E T L L E N A L P A I A A W
UniRef90_D9T073 A T A G T R L R E L V G A W L
UniRef90_F9VPG6 S R V V N D L Y S F I
UniRef90_F1ZB57 E A A V A R F H E L A R E
UniRef90_A4WKJ6 E K I V N F I V K K I E E
UniRef90_UPI000379C697
UniRef90_X8FGQ3 A E M V D D C V S R I A R W T P
UniRef90_X1ANT2 A A I L S Y L T D E I M E T Y P
UniRef90_D6U0K9 E Q L V Q S M V
UniRef90_M1J2K5 S K N V E K L K R L I
UniRef90_G8QSB6 A K T L E S L
UniRef90_UPI0002DA2A49
UniRef90_K6KN68
UniRef90_S5VY15 A S L A D S F G A L
UniRef90_UPI000472D47E E L L I K H W F K L I
UniRef90_UPI000465D56F D V A V R E T R A Q L E G D W
UniRef90_UPI000374E2F8 S R L V A H L L E V I
UniRef90_UPI00038235FB S Q I V K N L M E R L K
UniRef90_Q2MFJ1 D Q V V E L L
UniRef90_UPI0003B43176
UniRef90_U3TFJ3
UniRef90_UPI000479D6C2 R N C V E S I C D A V I K F Y
UniRef90_UPI000464950D
UniRef90_G4RQ07 E T I V
UniRef90_X0X9N7
UniRef90_X8C839 A E M V D S C V Q R V T R W A P
UniRef90_V7EJ83 A L A L A H L S K V L
UniRef90_H6LKB3 H S V I E K I
UniRef90_F2L4I8 E T I V D K
UniRef90_UPI000401BA15 D V A V A E T R A L I E
UniRef90_F8F6L4 E A C V Q R L C A E V N H
UniRef90_F4B4T9 R H N V N K L K E L V L K I L
UniRef90_I0BFL3 E S C V Q A L S
UniRef90_X8DGY0
UniRef90_X0ULJ9 A A I L S Y L T D E I L E A F P P
UniRef90_D3AIV2 E S G V K Q V I D K V S E E Y
UniRef90_I5BX55 A H S V T G F L D L L H D
UniRef90_W5X7E2 Q K G L E A W A T W I Q
UniRef90_M0KYT2 Q N V V E A Y V E Q V K A E
UniRef90_V4JBG9
UniRef90_S2YT78 E K T V E L L
UniRef90_G7CJX8 A D M V D D C V E R I T R W
UniRef90_R5TCK4 D A A V K K I T E R V
UniRef90_X5XJ77 A M I M D H L R A I L
UniRef90_M5FAF6 A M I L D H L R A I L
UniRef90_W9BZJ6
UniRef90_B5YCT7
UniRef90_X6GNA6 A M I L E H M R A I L
UniRef90_X0THM7
UniRef90_U4VAM0 D L H A R E L V K L I R
UniRef90_UPI00046EC3B4 E Q A L A E I
UniRef90_B1Q9F7 E D M V K N T V E L I
UniRef90_S4XTG6 D L L A A M I V A E V E E
UniRef90_E1IC27 N L A G E R L A A A V S E
UniRef90_G0EF40
UniRef90_X0RH11 Q E A
UniRef90_K1ZZ25 R S M A V W L A E
UniRef90_B2IJW7 D A S L E H I G Q V V K
UniRef90_U1PJ64 E A A C D H L V E L
UniRef90_M0FI35 E T A V G E L L E L I

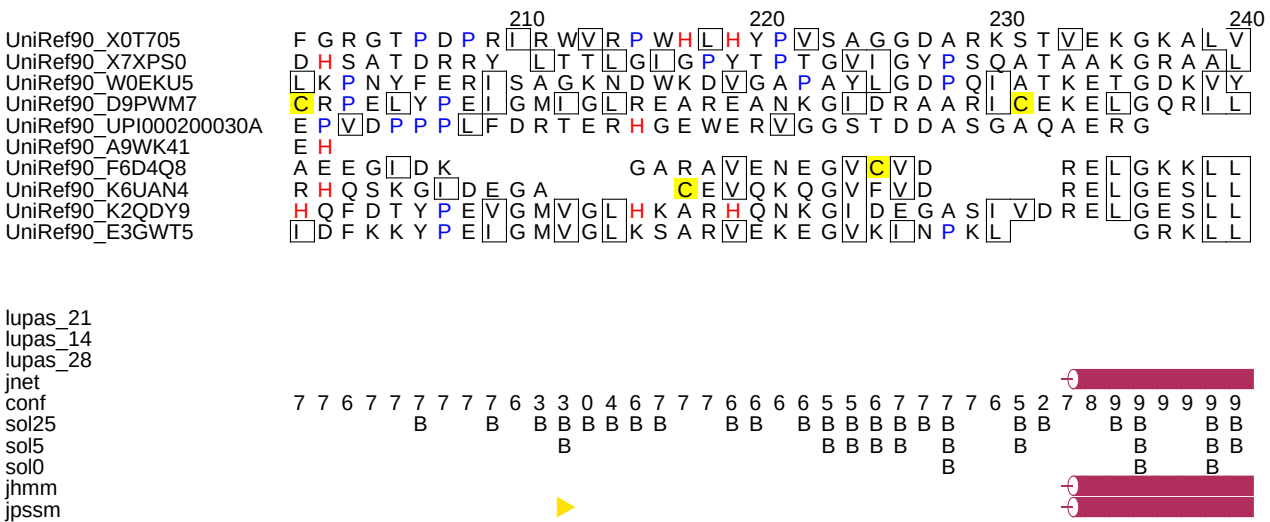

1
10
20
30
40
UniRef90_X0T705
UniRef90_X7XPS0
UniRef90_W0EKU5
UniRef90_D9PWM7
UniRef90_UPI000200030A
UniRef90_A9WK41
UniRef90_F6D4Q8
UniRef90_K6UAN4
UniRef90_K2QDY9
UniRef90_E3GWT5
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm

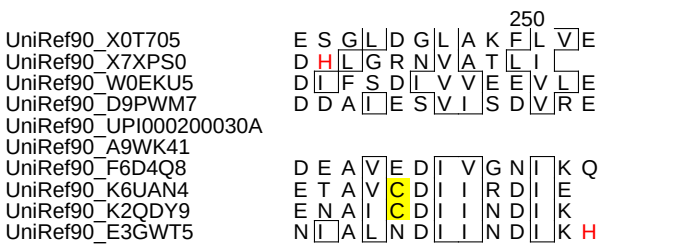

50 60 70 80
UniRef90_X0T705
UniRef90_X7XPS0
UniRef90_W0EKU5
UniRef90_D9PWM7 D T D A K I A S Y V A L E A S L R T G A K F L G V I Y G A T E F P Y V K H G I
UniRef90_UPI000200030A
UniRef90_A9WK41 G S A G L I A T A V V E R A A Q R V G G I V Y P T L W H Y D
UniRef90_F6D4Q8 D T D S K V A A Y L A L H A S L K T G A T F I G I L Y A A T E Y D Y V K H G D
UniRef90_K6UAN4 D T D S K I A S H L A L Q A S I R T G A K F L G I L Y A A T E Y D Y V K H G I
UniRef90_K2QDY9 D T D S K I A S Y L A F Q A S I R T G A K F L G I L Y A A T E Y D Y V K H G I
UniRef90_E3GWT5 D T D I K I A S Y L A L N A S I K T G A T V Y P A T E Y P Y V K H G
lupas_21
lupas_14
lupas_28
jnet
conf 5 2 7 8 9 9 9 9 9 9 9 9 9 9 8 7 4 4 8 6 3 7 5 1 2 3 3 1 4 6 6 7 6 7 6 6 6 7 7 7
sol25 B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B
sol5 B B B B B B B B B B B B B B B B B B B B B B B B B B B B B
sol0 B B B B B B B B B B B B B B B B B B B B B B B B B B B B B
jhmm
jpssm

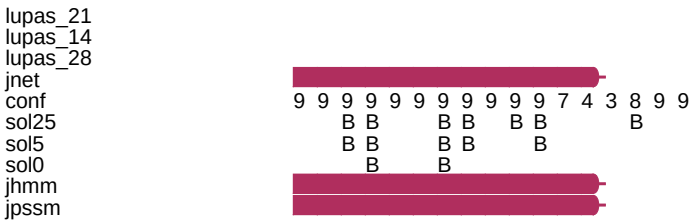

90
100
110
120
UniRef90_X0T705
UniRef90_X7XPS0
UniRef90_W0EKU5
UniRef90_D9PWM7
UniRef90_UPI000200030A
UniRef90_A9WK41
UniRef90_F6D4Q8
UniRef90_K6UAN4
UniRef90_K2QDY9
UniRef90_E3GWT5
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


130
140
150
160
UniRef90_X0T705
UniRef90_X7XPS0
UniRef90_W0EKU5
UniRef90_D9PWM7
UniRef90_UPI000200030A
UniRef90_A9WK41
UniRef90_F6D4Q8
UniRef90_K6UAN4
UniRef90_K2QDY9
UniRef90_E3GWT5
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


170
180
190
200
UniRef90_X0T705
UniRef90_X7XPS0
UniRef90_W0EKU5
UniRef90_D9PWM7
UniRef90_UPI000200030A
UniRef90_A9WK41
UniRef90_F6D4Q8
UniRef90_K6UAN4
UniRef90_K2QDY9
UniRef90_E3GWT5
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


210
220
230
240
UniRef90_X0T705
UniRef90_X7XPS0
UniRef90_W0EKU5
UniRef90_D9PWM7
UniRef90_UPI000200030A
UniRef90_A9WK41
UniRef90_F6D4Q8
UniRef90_K6UAN4
UniRef90_K2QDY9
UniRef90_E3GWT5
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


250
UniRef90_X0T705 E S G L D G L A K F L V E
UniRef90_X7XPS0 D H L G R N V A T L I
UniRef90_W0EKU5 D I F S D I V V E E V L E
UniRef90_D9PWM7 D D A I E S V I S D V R E
UniRef90_UPI000200030A
UniRef90_A9WK41
UniRef90_F6D4Q8 D E A V E D I V G N I K Q
UniRef90_K6UAN4 E T A V C D I I R D I E
UniRef90_K2QDY9 E N A I C D I I N D I K
UniRef90_E3GWT5 N I A L N D I I N D I K H


lupas_21
lupas_14
lupas_28
jnet
conf 9 9 9 9 9 9 9 9 9 9 7 4 3 8 9 9
sol25 B B B B B B B
sol5 B B B B B B
sol0 B B
jhmm
jpssm