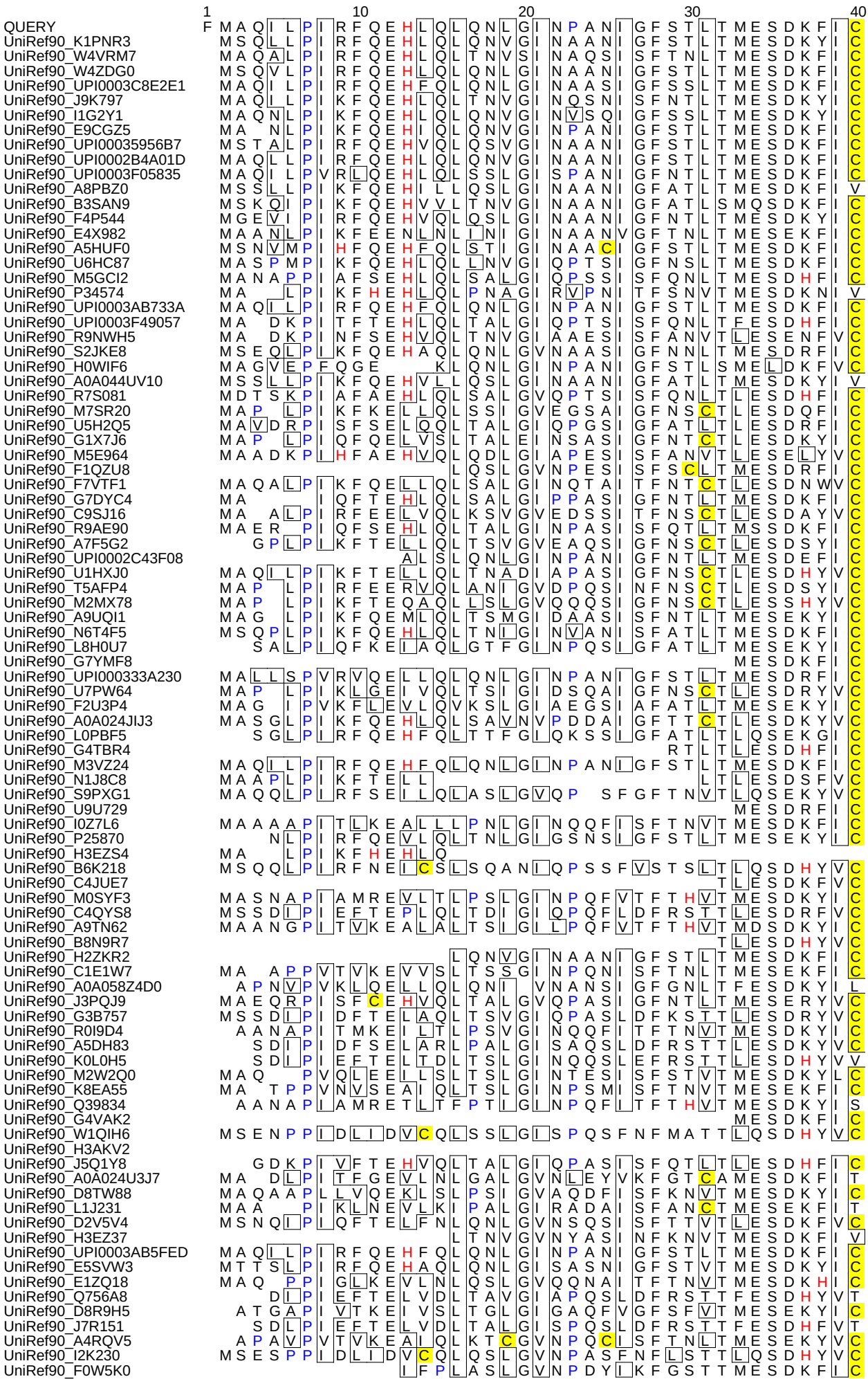
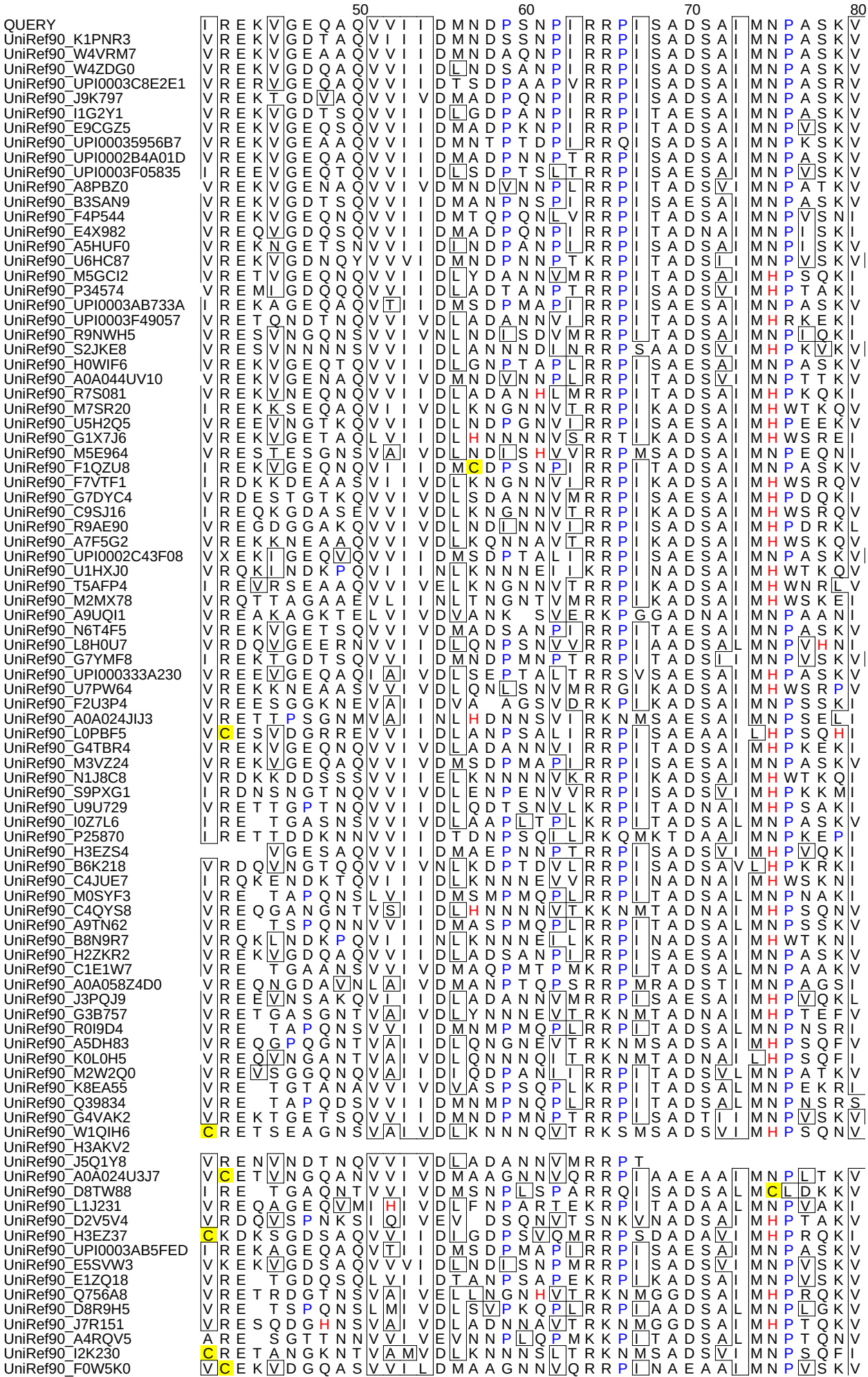
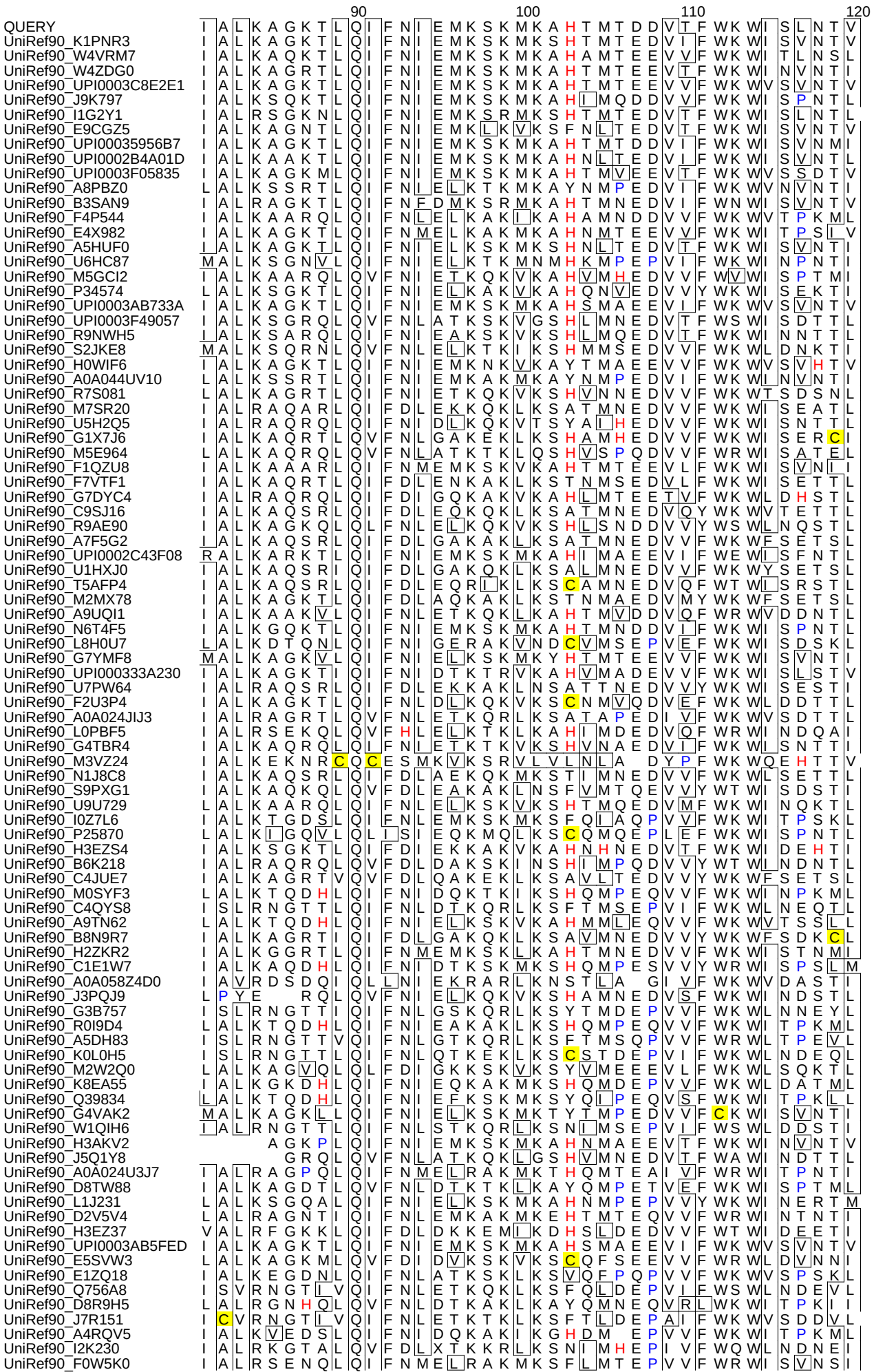
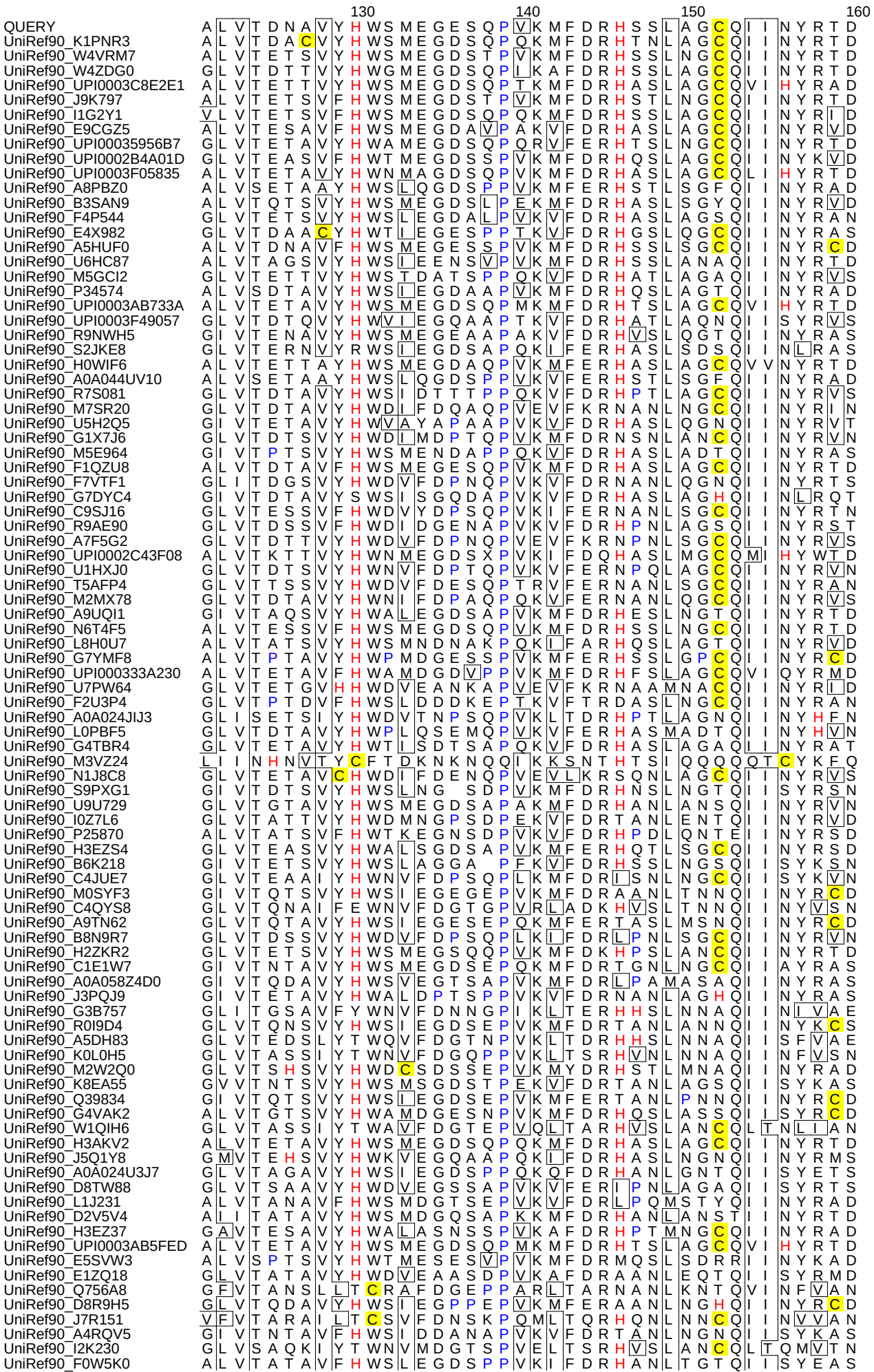
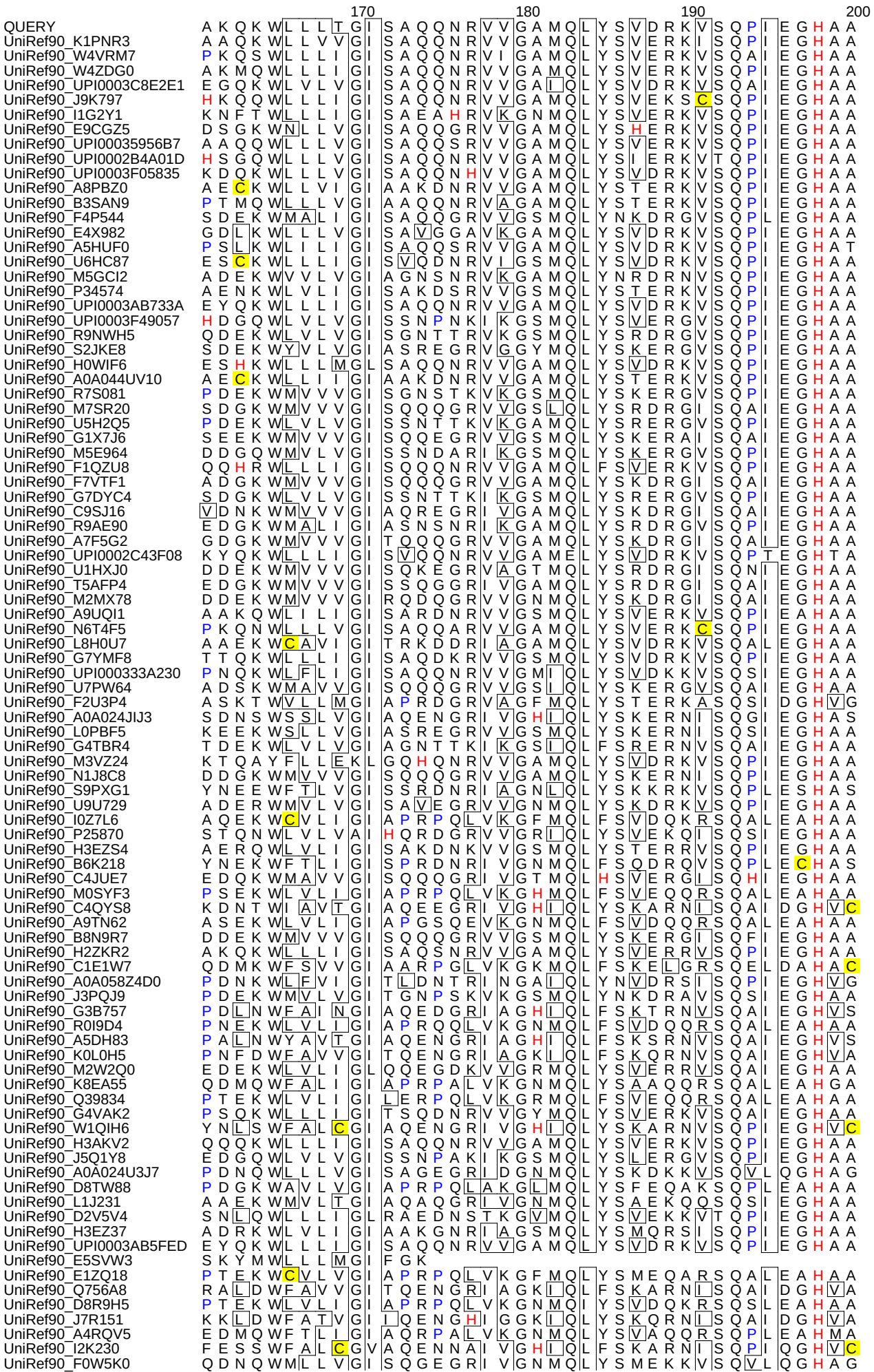
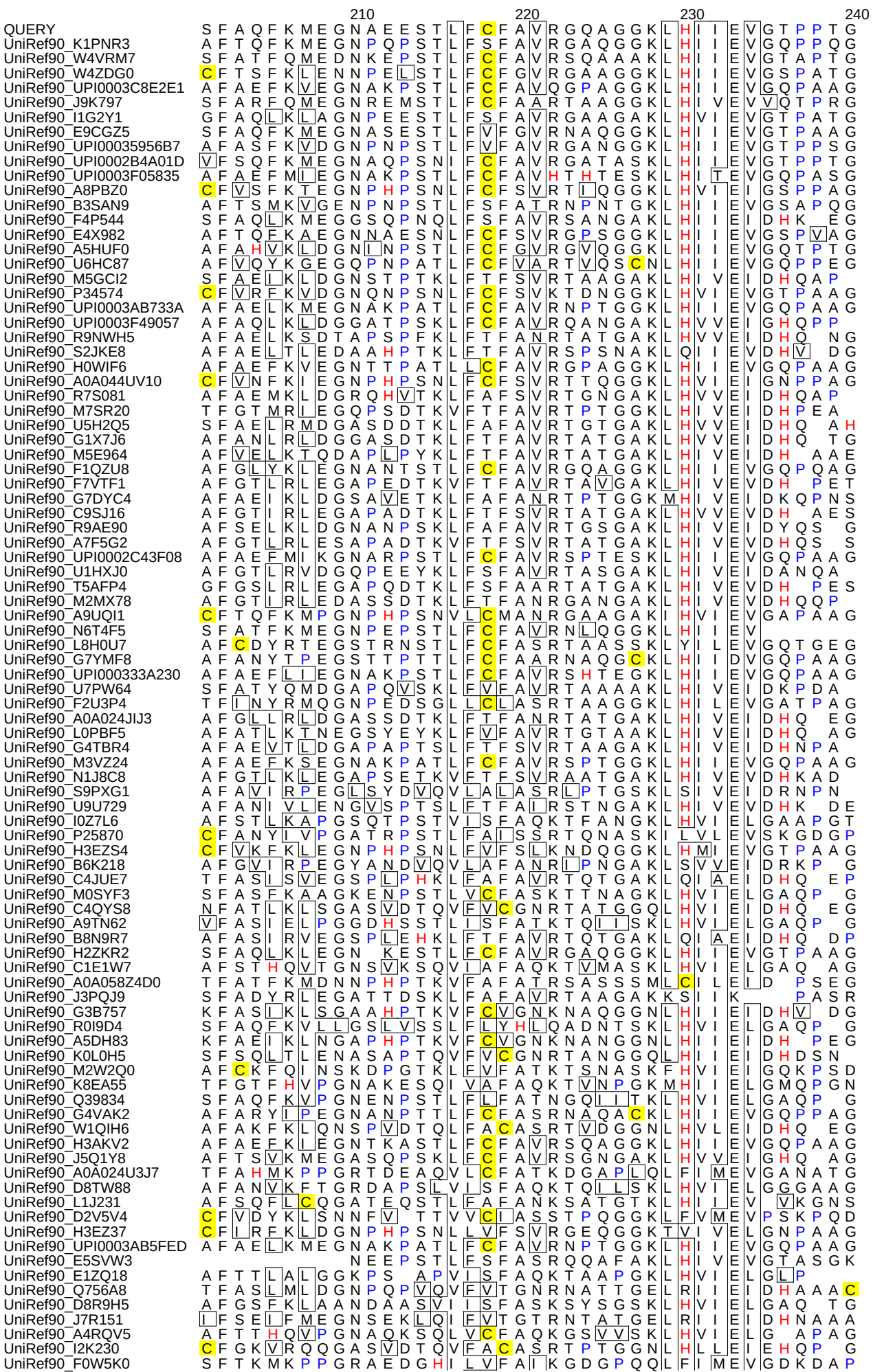

1 10 20 30 40
QUERY F M A Q I L P I R F Q E H L Q L Q N L G I N P A N I G F S T L T M E S D K F I C
UniRef90_K1PNR3 M S Q L L P I R F Q E H L Q L Q N V G I N A A N I G F S T L T M E S D K Y I C
UniRef90_W4VRM7 M A Q A L P I R F Q E H L Q L T N V S I N A Q S I S F T N L T M E S D K F I C
UniRef90_W4ZDG0 M S Q V L P I R F Q E H L Q L Q N L G I N A A N I G F S T L T M E S D K F I C
UniRef90_UPI0003C8E2E1 M A Q I L P I R F Q E H F Q L Q N L G I N A A S I G F S S L T M E S D K F I C
UniRef90_J9K797 M A Q I L P I K F Q E H L Q L T N V G I N Q S N I S F N T L T M E S D K Y I C
UniRef90_I1G2Y1 M A Q N L P I K F Q E H L Q L Q N V G I N V S Q I G F S S L T M E S D K Y I C
UniRef90_E9CGZ5 M A N L P I K F Q E H I Q L Q N V G I N P A N I G F S T L T M E S D K F I C
UniRef90_UPI00035956B7 M S T A L P I R F Q E H V Q L Q S V G I N A A N I G F S T L T M E S D K F I C
UniRef90_UPI0002B4A01D M A Q L L P I R F Q E H L Q L Q N V G I N A A N I G F S T L T M E S D K F I C
UniRef90_UPI0003F05835 M A Q I L P V R L Q E H L Q L S S L G I S P A N I G F N T L T M E S D K F I C
UniRef90_A8PBZ0 M S S L L P I K F Q E H I L L Q S L G I N A A N I G F A T L T M E S D K F I V
UniRef90_B3SAN9 M S K Q I P I K F Q E H V V L T N V G I N A A N I G F A T L S M Q S D K F I C
UniRef90_F4P544 M G E V I P I R F Q E H V Q L Q S L G I N A A N I G F N T L T M E S D K Y I C
UniRef90_E4X982 M A A N L P I K F E E N L N L I N I G I N A A N V G F T N L T M E S E K F I C
UniRef90_A5HUF0 M S N V M P I H F Q E H F Q L S T I G I N A A C I G F S T L T M E S D K F I C
UniRef90_U6HC87 M A S P M P I K F Q E H L Q L L N V G I Q P T S I G F N S L T M E S D K F I C
UniRef90_M5GCI2 M A N A P P I A F S E H L Q L S A L G I Q P S S I S F Q N L T M E S D H F I C
UniRef90_P34574 M A L P I K F H E H L Q L P N A G I R V P N I T F S N V T M E S D K N I V
UniRef90_UPI0003AB733A M A Q I L P I R F Q E H F Q L Q N L G I N P A N I G F S T L T M E S D K F I C
UniRef90_UPI0003F49057 M A D K P I T F T E H L Q L T A L G I Q P T S I S F Q N L T F E S D H F I C
UniRef90_R9NWH5 M A D K P I N F S E H V Q L T N V G I A A E S I S F A N V T L E S E N F V C
UniRef90_S2JKE8 M S E Q L P I K F Q E H A Q L Q N L G V N A A S I G F N N L T M E S D R F I C
UniRef90_H0WIF6 M A G V E P F Q G E K L Q N L G I N P A N I G F S T L S M E L D K F V C
UniRef90_A0A044UV10 M S S L L P I K F Q E H V L L Q S L G I N A A N I G F A T L T M E S D K Y I V
UniRef90_R7S081 M D T S K P I A F A E H L Q L S A L G V Q P T S I S F Q N L T L E S D H F I C
UniRef90_M7SR20 M A P L P I K F K E L L Q L S S I G V E G S A I G F N S C T L E S D Q F I C
UniRef90_U5H2Q5 M A V D R P I S F S E L Q Q L T A L G I Q P G S I G F A T L T L E S D R F I C
UniRef90_G1X7J6 M A P L P I Q F Q E L V S L T A L E I N S A S I G F N T C T L E S D K Y I C
UniRef90_M5E964 M A A D K P I H F A E H V Q L Q D L G I A P E S I S F A N V T L E S E L Y V C
UniRef90_F1QZU8 L Q S L G V N P E S I S F S C L T M E S D R F I C
UniRef90_F7VTF1 M A Q A L P I K F Q E L L Q L S A L G I N Q T A I T F N T C T L E S D N W V C
UniRef90_G7DYC4 M A I Q F T E H L Q L S A L G I P P A S I G F N T L T M E S D K F I C
UniRef90_C9SJ16 M A A L P I R F E E L V Q L K S V G V E D S S I T F N S C T L E S D A Y V C
UniRef90_R9AE90 M A E R P I Q F S E H L Q L T A L G I N P A S I S F Q T L T M S S D K F I C
UniRef90_A7F5G2 G P L P I K F T E L L Q L T S V G V E A Q S I G F N S C T L E S D S Y I C
UniRef90_UPI0002C43F08 A L S L Q N L G I N P A N I G F N T L T M E S D E F I C
UniRef90_U1HXJ0 M A Q I L P I K F T E L L Q L T N A D I A P A S I G F N S C T L E S D H Y V C
UniRef90_T5AFP4 M A P L P I R F E E R V Q L A N I G V D P Q S I N F N S C T L E S D S Y I C
UniRef90_M2MX78 M A P L P I K F T E Q A Q L L S L G V Q Q Q S I G F N S C T L E S S H Y V C
UniRef90_A9UQI1 M A G L P I K F Q E M L Q L T S M G I D A A S I S F N T L T M E S E K Y I C
UniRef90_N6T4F5 M S Q P L P I K F Q E H L Q L T N I G I N V A N I S F A T L T M E S D K F I C
UniRef90_L8H0U7 S A L P I Q F K E I A Q L G T F G I N P Q S I G F A T L T M E S E K Y I C
UniRef90_G7YMF8 M E S D K F I C
UniRef90_UPI000333A230 M A L L S P V R V Q E L L Q L Q N L G I N P A N I G F S T L T M E S D R F I C
UniRef90_U7PW64 M A P L P I K L G E I V Q L T S I G I D S Q A I G F N S C T L E S D R Y V C
UniRef90_F2U3P4 M A G I P V K F L E V L Q V K S L G I A E G S I A F A T L T M E S E K Y I C
UniRef90_A0A024JIJ3 M A S G L P I K F Q E H L Q L S A V N V P D D A I G F T T C T L E S D K Y V C
UniRef90_L0PBF5 S G L P I R F Q E H F Q L T T F G I Q K S S I G F A T L T L Q S E K G I C
UniRef90_G4TBR4 R T L T L E S D H F I C
UniRef90_M3VZ24 M A Q I L P I R F Q E H F Q L Q N L G I N P A N I G F S T L T M E S D K F I C
UniRef90_N1J8C8 M A A P L P I K F T E L L L T L E S D S F V C
UniRef90_S9PXG1 M A Q Q L P I R F S E I L Q L A S L G V Q P S F G F T N V T L Q S E K Y V C
UniRef90_U9U729 M E S D R F I C
UniRef90_I0Z7L6 M A A A A P I T L K E A L L L P N L G I N Q Q F I S F T N V T M E S D K F I C
UniRef90_P25870 N L P I R F Q E V L Q L T N L G I G S N S I G F S T L T M E S E K Y I C
UniRef90_H3EZS4 M A L P I K F H E H L Q
UniRef90_B6K218 M S Q Q L P I R F N E I C S L S Q A N I Q P S S F V S T S L T L Q S D H Y V C
UniRef90_C4JUE7 T L E S D K F V C
UniRef90_M0SYF3 M A S N A P I A M R E V L T L P S L G I N P Q F V T F T H V T M E S D K Y I C
UniRef90_C4QYS8 M S S D I P I E F T E P L Q L T D I G I Q P Q F L D F R S T T L E S D R F V C
UniRef90_A9TN62 M A A N G P I T V K E A L A L T S I G I L P Q F V T F T H V T M D S D K Y I C
UniRef90_B8N9R7 T L E S D H Y V C
UniRef90_H2ZKR2 L Q N V G I N A A N I G F S T L T M E S D K F I C
UniRef90_C1E1W7 M A A P P V T V K E V V S L T S S G I N P Q N I S F T N L T M E S E K F I C
UniRef90_A0A058Z4D0 A P N V P V K L Q E L L Q L Q N I V N A N S I G F G N L T F E S D K Y I L
UniRef90_J3PQJ9 M A E Q R P I S F C E H V Q L T A L G V Q P A S I G F N T L T M E S E R Y V C
UniRef90_G3B757 M S S D I P I D F T E L A Q L T S V G I Q P A S L D F K S T T L E S D R Y V C
UniRef90_R0I9D4 A A N A P I T M K E I L T L P S V G I N Q Q F I T F T N V T M E S D K Y I C
UniRef90_A5DH83 S D I P I D F S E L A R L P A L G I S A Q S L D F R S T T L E S D K Y V C
UniRef90_K0L0H5 S D I P I E F T E L T D L T S L G I N Q Q S L E F R S T T L E S D H Y V V
UniRef90_M2W2Q0 M A Q P V Q L E E I L S L T S L G I N T E S I S F S T V T M E S D K Y L C
UniRef90_K8EA55 M A T P P V N V S E A I Q L T S L G I N P S M I S F T N V T M E S E K F I C
UniRef90_Q39834 A A N A P I A M R E T L T F P T I G I N P Q F I T F T H V T M E S D K Y I S
UniRef90_G4VAK2 M E S D K F I C
UniRef90_W1QIH6 M S E N P P I D L I D V C Q L S S L G I S P Q S F N F M A T T L Q S D H Y V C
UniRef90_H3AKV2
UniRef90_J5Q1Y8 G D K P I V F T E H V Q L T A L G I Q P A S I S F Q T L T L E S D H F I C
UniRef90_A0A024U3J7 M A D L P I T F G E V L N L G A L G V N L E Y V K F G T C A M E S D K F I T
UniRef90_D8TW88 M A Q A A P L L V Q E K L S L P S I G V A Q D F I S F K N V T M E S D K Y I C
UniRef90_L1J231 M A A P I K L N E V L K I P A L G I R A D A I S F A N C T M E S E K F I T
UniRef90_D2V5V4 M S N Q I P I Q F T E L F N L Q N L G V N S Q S I S F T T V T L E S D K F V C
UniRef90_H3EZ37 L T N V G V N Y A S I N F K N V T M E S D K F I V
UniRef90_UPI0003AB5FED M A Q I L P I R F Q E H F Q L Q N L G I N P A N I G F S T L T M E S D K F I C
UniRef90_E5SVW3 M T T S L P I R F Q E H A Q L Q N L G I S A S N I G F S T V T M E S D K Y I C
UniRef90_E1ZQ18 M A Q P P I G L K E V L N L Q S L G V Q Q N A I T F T N V T M E S D K H I C
UniRef90_Q756A8 D I P I E F T E L V D L T A V G I A P Q S L D F R S T T F E S D H Y V T
UniRef90_D8R9H5 A T G A P I V T K E I V S L T G L G I G A Q F V G F S F V T M E S E K Y I C
UniRef90_J7R151 S D L P I E F T E L V D L T A L G I S P Q S L D F R S T T F E S D H F V T
UniRef90_A4RQV5 A P A V P V T V K E A I Q L K T C G V N P Q C I S F T N L T M E S E K Y V C
UniRef90_I2K230 M S E S P P I D L I D V C Q L Q S L G V N P A S F N F L S T T L Q S D H Y V C
UniRef90_F0W5K0 I F P L A S L G V N P D Y I K F G S T T M E S D K F I C

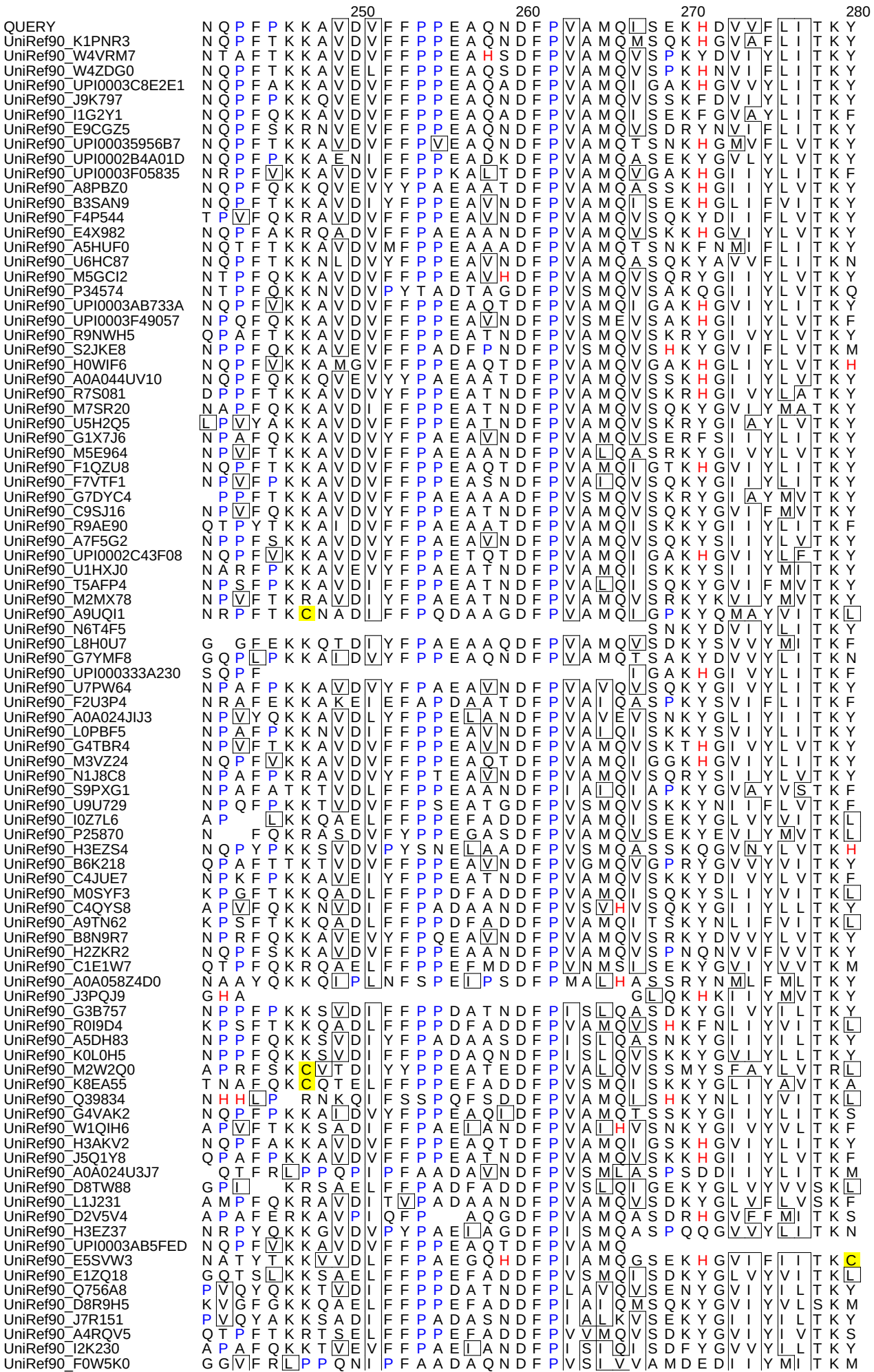

50
60
70
80
QUERY
UniRef90_K1PNR3
UniRef90_W4VRM7
UniRef90_W4ZDG0
UniRef90_UPI0003C8E2E1
UniRef90_J9K797
UniRef90_I1G2Y1
UniRef90_E9CGZ5
UniRef90_UPI00035956B7
UniRef90_UPI0002B4A01D
UniRef90_UPI0003F05835
UniRef90_A8PBZ0
UniRef90_B3SAN9
UniRef90_F4P544
UniRef90_E4X982
UniRef90_A5HUF0
UniRef90_U6HC87
UniRef90_M5GCI2
UniRef90_P34574
UniRef90_UPI0003AB733A
UniRef90_UPI0003F49057
UniRef90_R9NWH5
UniRef90_S2JKE8
UniRef90_H0WIF6
UniRef90_A0A044UV10
UniRef90_R7S081
UniRef90_M7SR20
UniRef90_U5H2Q5
UniRef90_G1X7J6
UniRef90_M5E964
UniRef90_F1QZU8
UniRef90_F7VTF1
UniRef90_G7DYC4
UniRef90_C9SJ16
UniRef90_R9AE90
UniRef90_A7F5G2
UniRef90_UPI0002C43F08
UniRef90_U1HXJ0
UniRef90_T5AFP4
UniRef90_M2MX78
UniRef90_A9UQI1
UniRef90_N6T4F5
UniRef90_L8H0U7
UniRef90_G7YMF8
UniRef90_UPI000333A230
UniRef90_U7PW64
UniRef90_F2U3P4
UniRef90_A0A024JIJ3
UniRef90_L0PBF5
UniRef90_G4TBR4
UniRef90_M3VZ24
UniRef90_N1J8C8
UniRef90_S9PXG1
UniRef90_U9U729
UniRef90_I0Z7L6
UniRef90_P25870
UniRef90_H3EZS4
UniRef90_B6K218
UniRef90_C4JUE7
UniRef90_M0SYF3
UniRef90_C4QYS8
UniRef90_A9TN62
UniRef90_B8N9R7
UniRef90_H2ZKR2
UniRef90_C1E1W7
UniRef90_A0A058Z4D0
UniRef90_J3PQJ9
UniRef90_G3B757
UniRef90_R0I9D4
UniRef90_A5DH83
UniRef90_K0L0H5
UniRef90_M2W2Q0
UniRef90_K8EA55
UniRef90_Q39834
UniRef90_G4VAK2
UniRef90_W1QIH6
UniRef90_H3AKV2
UniRef90_J5Q1Y8
UniRef90_A0A024U3J7
UniRef90_D8TW88
UniRef90_L1J231
UniRef90_D2V5V4
UniRef90_H3EZ37
UniRef90_UPI0003AB5FED
UniRef90_E5SVW3
UniRef90_E1ZQ18
UniRef90_Q756A8
UniRef90_D8R9H5
UniRef90_J7R151
UniRef90_A4RQV5
UniRef90_I2K230
UniRef90_F0W5K0

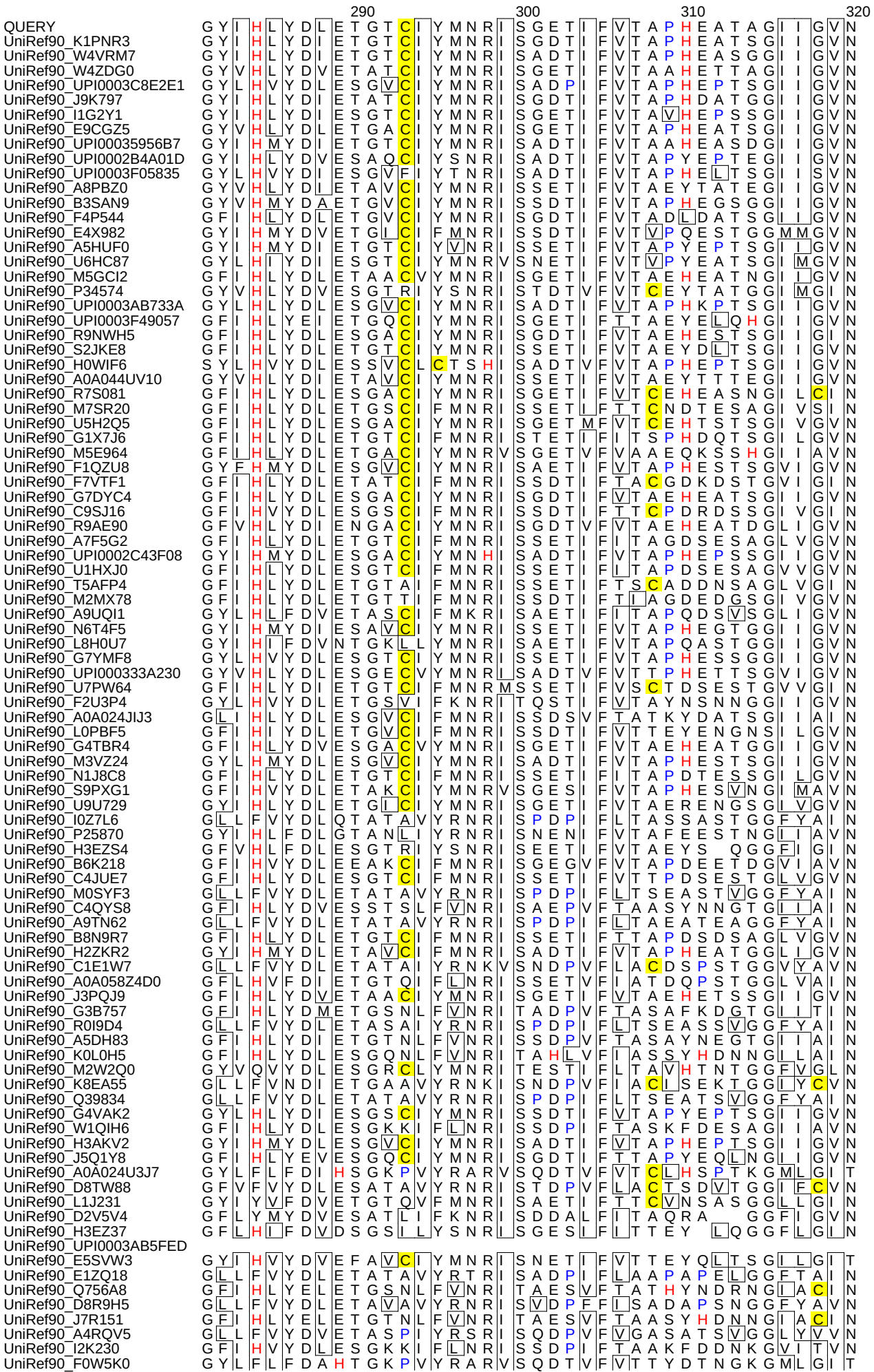

90
100
110
120
QUERY
UniRef90_K1PNR3
UniRef90_W4VRM7
UniRef90_W4ZDG0
UniRef90_UPI0003C8E2E1
UniRef90_J9K797
UniRef90_I1G2Y1
UniRef90_E9CGZ5
UniRef90_UPI00035956B7
UniRef90_UPI0002B4A01D
UniRef90_UPI0003F05835
UniRef90_A8PBZ0
UniRef90_B3SAN9
UniRef90_F4P544
UniRef90_E4X982
UniRef90_A5HUF0
UniRef90_U6HC87
UniRef90_M5GCI2
UniRef90_P34574
UniRef90_UPI0003AB733A
UniRef90_UPI0003F49057
UniRef90_R9NWH5
UniRef90_S2JKE8
UniRef90_H0WIF6
UniRef90_A0A044UV10
UniRef90_R7S081
UniRef90_M7SR20
UniRef90_U5H2Q5
UniRef90_G1X7J6
UniRef90_M5E964
UniRef90_F1QZU8
UniRef90_F7VTF1
UniRef90_G7DYC4
UniRef90_C9SJ16
UniRef90_R9AE90
UniRef90_A7F5G2
UniRef90_UPI0002C43F08
UniRef90_U1HXJ0
UniRef90_T5AFP4
UniRef90_M2MX78
UniRef90_A9UQI1
UniRef90_N6T4F5
UniRef90_L8H0U7
UniRef90_G7YMF8
UniRef90_UPI000333A230
UniRef90_U7PW64
UniRef90_F2U3P4
UniRef90_A0A024JIJ3
UniRef90_L0PBF5
UniRef90_G4TBR4
UniRef90_M3VZ24
UniRef90_N1J8C8
UniRef90_S9PXG1
UniRef90_U9U729
UniRef90_I0Z7L6
UniRef90_P25870
UniRef90_H3EZS4
UniRef90_B6K218
UniRef90_C4JUE7
UniRef90_M0SYF3
UniRef90_C4QYS8
UniRef90_A9TN62
UniRef90_B8N9R7
UniRef90_H2ZKR2
UniRef90_C1E1W7
UniRef90_A0A058Z4D0
UniRef90_J3PQJ9
UniRef90_G3B757
UniRef90_R0I9D4
UniRef90_A5DH83
UniRef90_K0L0H5
UniRef90_M2W2Q0
UniRef90_K8EA55
UniRef90_Q39834
UniRef90_G4VAK2
UniRef90_W1QIH6
UniRef90_H3AKV2
UniRef90_J5Q1Y8
UniRef90_A0A024U3J7
UniRef90_D8TW88
UniRef90_L1J231
UniRef90_D2V5V4
UniRef90_H3EZ37
UniRef90_UPI0003AB5FED
UniRef90_E5SVW3
UniRef90_E1ZQ18
UniRef90_Q756A8
UniRef90_D8R9H5
UniRef90_J7R151
UniRef90_A4RQV5
UniRef90_I2K230
UniRef90_F0W5K0

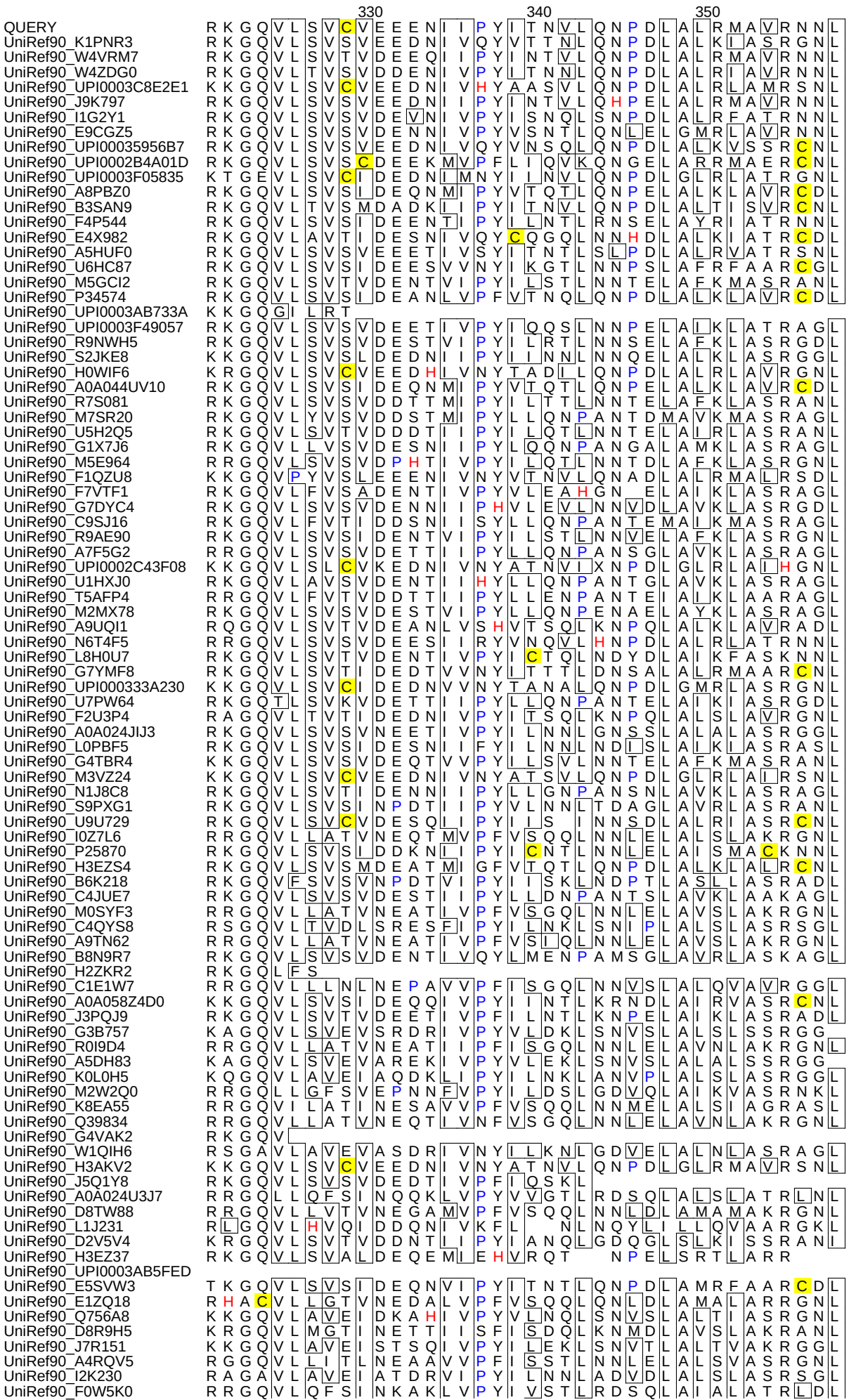

130
140
150
160
QUERY
UniRef90_K1PNR3
UniRef90_W4VRM7
UniRef90_W4ZDG0
UniRef90_UPI0003C8E2E1
UniRef90_J9K797
UniRef90_I1G2Y1
UniRef90_E9CGZ5
UniRef90_UPI00035956B7
UniRef90_UPI0002B4A01D
UniRef90_UPI0003F05835
UniRef90_A8PBZ0
UniRef90_B3SAN9
UniRef90_F4P544
UniRef90_E4X982
UniRef90_A5HUF0
UniRef90_U6HC87
UniRef90_M5GCI2
UniRef90_P34574
UniRef90_UPI0003AB733A
UniRef90_UPI0003F49057
UniRef90_R9NWH5
UniRef90_S2JKE8
UniRef90_H0WIF6
UniRef90_A0A044UV10
UniRef90_R7S081
UniRef90_M7SR20
UniRef90_U5H2Q5
UniRef90_G1X7J6
UniRef90_M5E964
UniRef90_F1QZU8
UniRef90_F7VTF1
UniRef90_G7DYC4
UniRef90_C9SJ16
UniRef90_R9AE90
UniRef90_A7F5G2
UniRef90_UPI0002C43F08
UniRef90_U1HXJ0
UniRef90_T5AFP4
UniRef90_M2MX78
UniRef90_A9UQI1
UniRef90_N6T4F5
UniRef90_L8H0U7
UniRef90_G7YMF8
UniRef90_UPI000333A230
UniRef90_U7PW64
UniRef90_F2U3P4
UniRef90_A0A024JIJ3
UniRef90_L0PBF5
UniRef90_G4TBR4
UniRef90_M3VZ24
UniRef90_N1J8C8
UniRef90_S9PXG1
UniRef90_U9U729
UniRef90_I0Z7L6
UniRef90_P25870
UniRef90_H3EZS4
UniRef90_B6K218
UniRef90_C4JUE7
UniRef90_M0SYF3
UniRef90_C4QYS8
UniRef90_A9TN62
UniRef90_B8N9R7
UniRef90_H2ZKR2
UniRef90_C1E1W7
UniRef90_A0A058Z4D0
UniRef90_J3PQJ9
UniRef90_G3B757
UniRef90_R0I9D4
UniRef90_A5DH83
UniRef90_K0L0H5
UniRef90_M2W2Q0
UniRef90_K8EA55
UniRef90_Q39834
UniRef90_G4VAK2
UniRef90_W1QIH6
UniRef90_H3AKV2
UniRef90_J5Q1Y8
UniRef90_A0A024U3J7
UniRef90_D8TW88
UniRef90_L1J231
UniRef90_D2V5V4
UniRef90_H3EZ37
UniRef90_UPI0003AB5FED
UniRef90_E5SVW3
UniRef90_E1ZQ18
UniRef90_Q756A8
UniRef90_D8R9H5
UniRef90_J7R151
UniRef90_A4RQV5
UniRef90_I2K230
UniRef90_F0W5K0

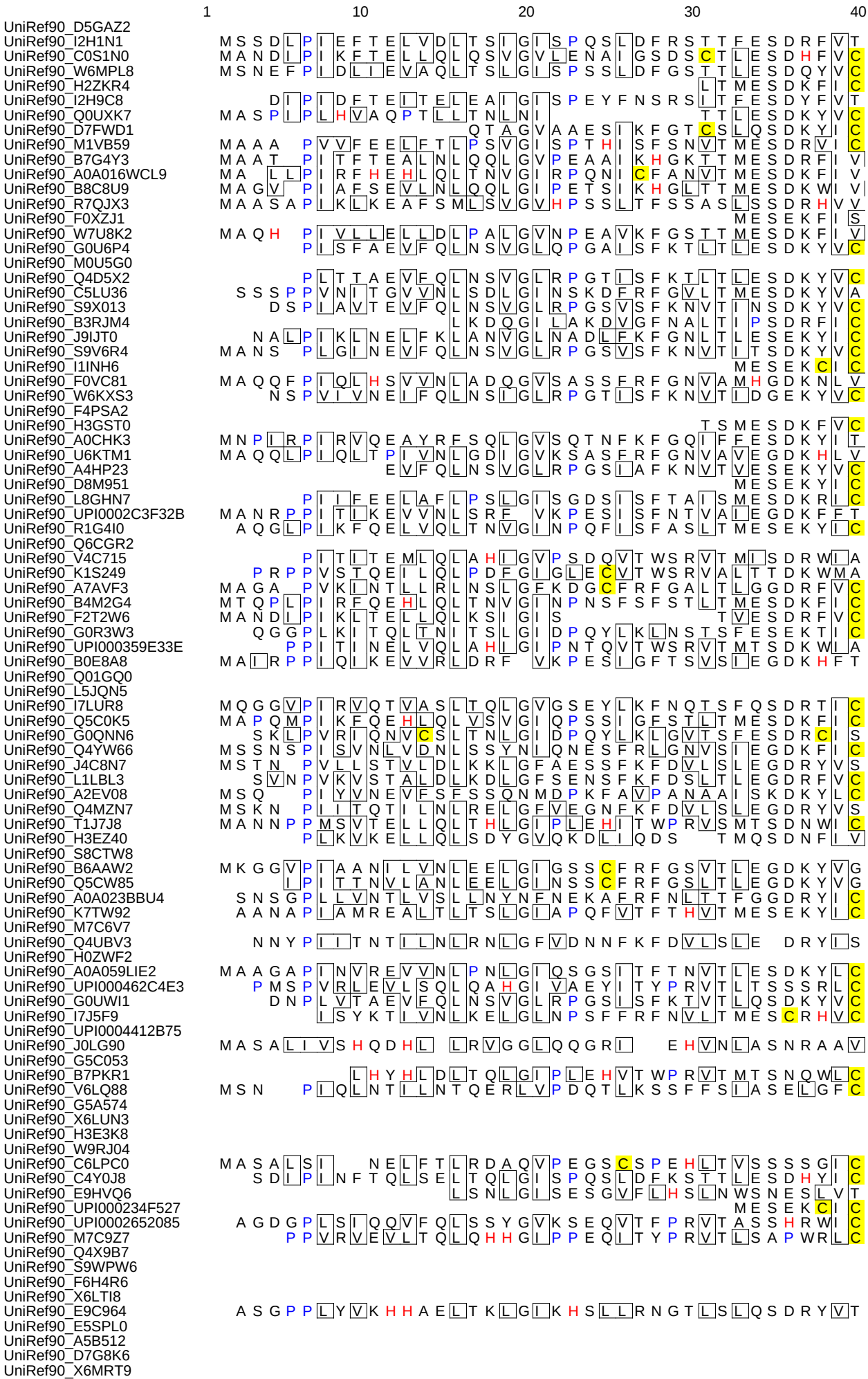

170
180
190
200
QUERY A K Q K W L L L T G I S A Q Q N R V V G A M Q L Y S V D R K V S Q P I E G H A A
UniRef90_K1PNR3 A A Q K W L L V V G I S A Q Q N R V V G A M Q L Y S V E R K I S Q P I E G H A A
UniRef90_W4VRM7 P K Q S W L L L I G I S A Q Q N R V I G A M Q L Y S V E R K V S Q A I E G H A A
UniRef90_W4ZDG0 A K M Q W L L L I G I S A Q Q N R V V G A M Q L Y S V E R K V S Q P I E G H A A
UniRef90_UPI0003C8E2E1 E G Q K W L V L V G I S A Q Q N R V V G A I Q L Y S V D R K V S Q A I E G H A A
UniRef90_J9K797 H K Q Q W L L L I G I S A Q Q N R V V G A M Q L Y S V E K S C S Q P I E G H A A
UniRef90_I1G2Y1 K N F T W L L L I G I S A E A H R V K G N M Q L Y S V E R K V S Q P I E G H A A
UniRef90_E9CGZ5 D S G K W N L L V G I S A Q Q G R V V G A M Q L Y S H E R K V S Q P I E G H A A
UniRef90_UPI00035956B7 A A Q Q W L L L V G I S A Q Q S R V V G A M Q L Y S V E R K V S Q P I E G H A A
UniRef90_UPI0002B4A01D H S G Q W L L L V G I S A Q Q N R V V G A M Q L Y S I E R K V T Q P I E G H A A
UniRef90_UPI0003F05835 K D Q K W L L L V G I S A Q Q N H V V G A M Q L Y S V D R K V S Q P I E G H A A
UniRef90_A8PBZ0 A E C K W L L V I G I A A K D N R V V G A M Q L Y S T E R K V S Q P I E G H A A
UniRef90_B3SAN9 P T M Q W L L L V G I A A Q Q N R V A G A M Q L Y S T E R K V S Q P I E G H A A
UniRef90_F4P544 S D E K W M A L I G I S A Q Q G R V V G S M Q L Y N K D R G V S Q P L E G H A A
UniRef90_E4X982 G D L K W L L L V G I S A V G G A V K G A M Q L Y S V D R K V S Q P I E G H A A
UniRef90_A5HUF0 P S L K W L I L I G I S A Q Q S R V V G A M Q L Y S V D R K V S Q P I E G H A T
UniRef90_U6HC87 E S C K W L L L I G I S V Q D N R V I G S M Q L Y S V D R K V S Q P I E G H A A
UniRef90_M5GCI2 A D E K W V V L V G I A G N S N R V K G A M Q L Y N R D R N V S Q P I E G H A A
UniRef90_P34574 A E N K W L V L I G I S A K D S R V V G S M Q L Y S T E R K V S Q P I E G H A A
UniRef90_UPI0003AB733A E Y Q K W L L L I G I S A Q Q N R V V G A M Q L Y S V D R K V S Q P I E G H A A
UniRef90_UPI0003F49057 H D G Q W L V L V G I S S N P N K I K G S M Q L Y S V E R G V S Q P I E G H A A
UniRef90_R9NWH5 Q D E K W L V L V G I S G N T T R V K G S M Q L Y S R D R G V S Q P I E G H A A
UniRef90_S2JKE8 S D E K W Y V L V G I A S R E G R V G G Y M Q L Y S K E R G V S Q P I E G H A A
UniRef90_H0WIF6 E S H K W L L L M G L S A Q Q N R V V G A M Q L Y S V D R K V S Q P I E G H A A
UniRef90_A0A044UV10 A E C K W L L I I G I A A K D N R V V G A M Q L Y S T E R K V S Q P I E G H A A
UniRef90_R7S081 P D E K W M V V V G I S G N S T K V K G S M Q L Y S K E R G V S Q P I E G H A A
UniRef90_M7SR20 S D G K W M V V V G I S Q Q Q G R V V G S L Q L Y S R D R G I S Q A I E G H A A
UniRef90_U5H2Q5 P D E K W L V L V G I S S N T T K V K G A M Q L Y S R E R G V S Q P I E G H A A
UniRef90_G1X7J6 S E E K W M V V V G I S Q Q E G R V V G S M Q L Y S K E R A I S Q A I E G H A A
UniRef90_M5E964 D D G Q W M V L V G I S S N D A R I K G S M Q L Y S K E R G V S Q P I E G H A A
UniRef90_F1QZU8 Q Q H R W L L L I G I S Q Q Q N R V V G A M Q L F S V E R K V S Q P I E G H A A
UniRef90_F7VTF1 A D G K W M V V V G I S Q Q Q G R V V G A M Q L Y S K D R G I S Q A I E G H A A
UniRef90_G7DYC4 S D G K W L V L V G I S S N T T K I K G S M Q L Y S R E R G V S Q P I E G H A A
UniRef90_C9SJ16 V D N K W M V V V G I A Q R E G R I V G A M Q L Y S K D R G I S Q A I E G H A A
UniRef90_R9AE90 E D G K W M A L I G I A S N S N R I K G A M Q L Y S R D R G V S Q P I E G H A A
UniRef90_A7F5G2 G D G K W M V V V G I T Q Q Q G R V V G A M Q L Y S K D R G I S Q A L E G H A A
UniRef90_UPI0002C43F08 K Y Q K W L L L I G I S V Q Q N R V V G A M E L Y S V D R K V S Q P T E G H T A
UniRef90_U1HXJ0 D D E K W M V V V G I S Q K E G R V A G T M Q L Y S R D R G I S Q N I E G H A A
UniRef90_T5AFP4 E D G K W M V V V G I S S Q G G R I V G A M Q L Y S R D R G I S Q A I E G H A A
UniRef90_M2MX78 D D E K W M V V V G I R Q D Q G R V V G N M Q L Y S K D R G I S Q A I E G H A A
UniRef90_A9UQI1 A A K Q W L I L I G I S A R D N R V V G S M Q L Y S V E R K V S Q P I E A H A A
UniRef90_N6T4F5 P K Q N W L L L V G I S A Q Q A R V V G A M Q L Y S V E R K C S Q P I E G H A A
UniRef90_L8H0U7 A A E K W C A V I G I T R K D D R I A G A M Q L Y S V D R K V S Q A L E G H A A
UniRef90_G7YMF8 T T Q K W L L L I G I S A Q D K R V V G S M Q L Y S V D R K V S Q P I E G H A A
UniRef90_UPI000333A230 P N Q K W L F L I G I S A Q Q N R V V G M I Q L Y S V D K K V S Q S I E G H A A
UniRef90_U7PW64 A D S K W M A V V G I S Q Q Q G R V V G S I Q L Y S K E R G V S Q A I E G H A A
UniRef90_F2U3P4 A S K T W V L L M G I A P R D G R V A G F M Q L Y S T E R K A S Q S I D G H V G
UniRef90_A0A024JIJ3 S D N S W S S L V G I A Q E N G R I V G H I Q L Y S K E R N I S Q G I E G H A S
UniRef90_L0PBF5 K E E K W S L L V G I A S R E G R V V G S M Q L Y S K E R N I S Q S I E G H A A
UniRef90_G4TBR4 T D E K W L V L V G I A G N T T K I K G S I Q L F S R E R N V S Q A I E G H A A
UniRef90_M3VZ24 K T Q A Y F L L E K L G Q H Q N R V V G A M Q L Y S V D R K V S Q P I E G H A A
UniRef90_N1J8C8 D D G K W M V V V G I S Q Q Q G R V V G A M Q L Y S K E R N I S Q P I E G H A A
UniRef90_S9PXG1 Y N E E W F T L V G I S S R D N R I A G N L Q L Y S K K R K V S Q P L E S H A S
UniRef90_U9U729 A D E R W M V L V G I S A V E G R V V G N M Q L Y S K D R K V S Q P I E G H A A
UniRef90_I0Z7L6 A Q E K W C V L I G I A P R P Q L V K G F M Q L F S V D Q K R S Q A L E A H A A
UniRef90_P25870 S T Q N W L V L V A I H Q R D G R V V G R I Q L Y S V E K Q I S Q S I E G H A A
UniRef90_H3EZS4 A E R Q W L V L I G I S A K D N K V V G S M Q L Y S T E R R V S Q P I E G H A A
UniRef90_B6K218 Y N E K W F T L I G I S P R D N R I V G N M Q L F S Q D R Q V S Q P L E C H A S
UniRef90_C4JUE7 E D Q K W M A V V G I S Q Q Q G R I V G T M Q L H S V E R G I S Q H I E G H A A
UniRef90_M0SYF3 P S E K W L V L I G I A P R P Q L V K G H M Q L F S V E Q Q R S Q A L E A H A A
UniRef90_C4QYS8 K D N T W I A V T G I A Q E E G R I V G H I Q L Y S K A R N I S Q A I D G H V C
UniRef90_A9TN62 A S E K W L V L I G I A P G S Q E V K G N M Q L F S V D Q Q R S Q A L E A H A A
UniRef90_B8N9R7 D D E K W M V V V G I S Q Q Q G R V V G S M Q L Y S K E R G I S Q F I E G H A A
UniRef90_H2ZKR2 A K Q K W L L L I G I S A Q S N R V V G A M Q L Y S V E R R V S Q P I E G H A A
UniRef90_C1E1W7 Q D M K W F S V V G I A A R P G L V K G K M Q L F S K E L G R S Q E L D A H A C
UniRef90_A0A058Z4D0 P D N K W L F V I G I T L D N T R I N G A I Q L Y N V D R S I S Q P I E G H V G
UniRef90_J3PQJ9 P D E K W M V L V G I T G N P S K V K G S M Q L Y N K D R A V S Q S I E G H A A
UniRef90_G3B757 P D L N W F A I N G I A Q E D G R I A G H I Q L F S K T R N V S Q A I E G H V S
UniRef90_R0I9D4 P N E K W L V L I G I A P R Q Q L V K G N M Q L F S V D Q Q R S Q A L E A H A A
UniRef90_A5DH83 P A L N W Y A V T G I A Q E N G R I A G H I Q L F S K S R N V S Q A I E G H V S
UniRef90_K0L0H5 P N F D W F A V V G I T Q E N G R I A G K I Q L F S K Q R N V S Q A I E G H V A
UniRef90_M2W2Q0 E D E K W L V L I G L Q Q E G D K V V G R M Q L Y S V E R R V S Q A I E G H A A
UniRef90_K8EA55 Q D M Q W F A L I G I A P R P A L V K G N M Q L Y S A A Q Q R S Q A L E A H G A
UniRef90_Q39834 P T E K W L V L I G I L E R P Q L V K G R M Q L F S V E Q Q R S Q A L E A H A A
UniRef90_G4VAK2 P S Q K W L L L I G I T S Q D N R V V G Y M Q L Y S V E R K V S Q A I E G H A A
UniRef90_W1QIH6 Y N L S W F A L C G I A Q E N G R I V G H I Q L Y S K A R N V S Q P I E G H V C
UniRef90_H3AKV2 Q Q Q K W L L L I G I S A Q Q N R V V G A M Q L Y S V E R K V S Q P I E G H A A
UniRef90_J5Q1Y8 E D G Q W L V L V G I S S N P A K I K G S M Q L Y S L E R G V S Q P I E G H A A
UniRef90_A0A024U3J7 P D N Q W L L L V G I S A G E G R I D G N M Q L Y S K D K K V S Q V L Q G H A G
UniRef90_D8TW88 P D G K W A V L V G I A P R P Q L A K G L M Q L Y S F E Q A K S Q P L E A H A A
UniRef90_L1J231 A A E K W M V L T G I A Q A Q G R I V G N M Q L Y S A E K Q Q S Q S I E G H A A
UniRef90_D2V5V4 S N L Q W L L L I G L R A E D N S T K G V M Q L Y S V E K K V T Q P I E G H A A
UniRef90_H3EZ37 A D R K W L V L I G I A A K G N R I A G S M Q L Y S M Q R S I S Q P I E G H A A
UniRef90_UPI0003AB5FED E Y Q K W L L L I G I S A Q Q N R V V G A M Q L Y S V D R K V S Q P I E G H A A
UniRef90_E5SVW3 S K Y M W L L L M G I F G K
UniRef90_E1ZQ18 P T E K W C V L V G I A P R P Q L V K G F M Q L Y S M E Q A R S Q A L E A H A A
UniRef90_Q756A8 R A L D W F A V V G I T Q E N G R I A G K I Q L F S K A R N I S Q A I D G H V A
UniRef90_D8R9H5 P T E K W L V L I G I A P R P Q L V K G N M Q I Y S V D Q K R S Q S L E A H A A
UniRef90_J7R151 K K L D W F A T V G I I Q E N G H I G G K I Q L Y S K Q R N I S Q A I D G H V A
UniRef90_A4RQV5 E D M Q W F T L I G I A Q R P A L V K G N M Q L Y S V A Q Q R S Q P L E A H M A
UniRef90_I2K230 F E S S W F A L C G V A Q E N N A I V G H I Q L F S K A R N I S Q P I Q G H V C
UniRef90_F0W5K0 Q D N Q W M L L V G I S Q G E G R I V G N M Q L Y S M E K K V S Q V L Q G H A G

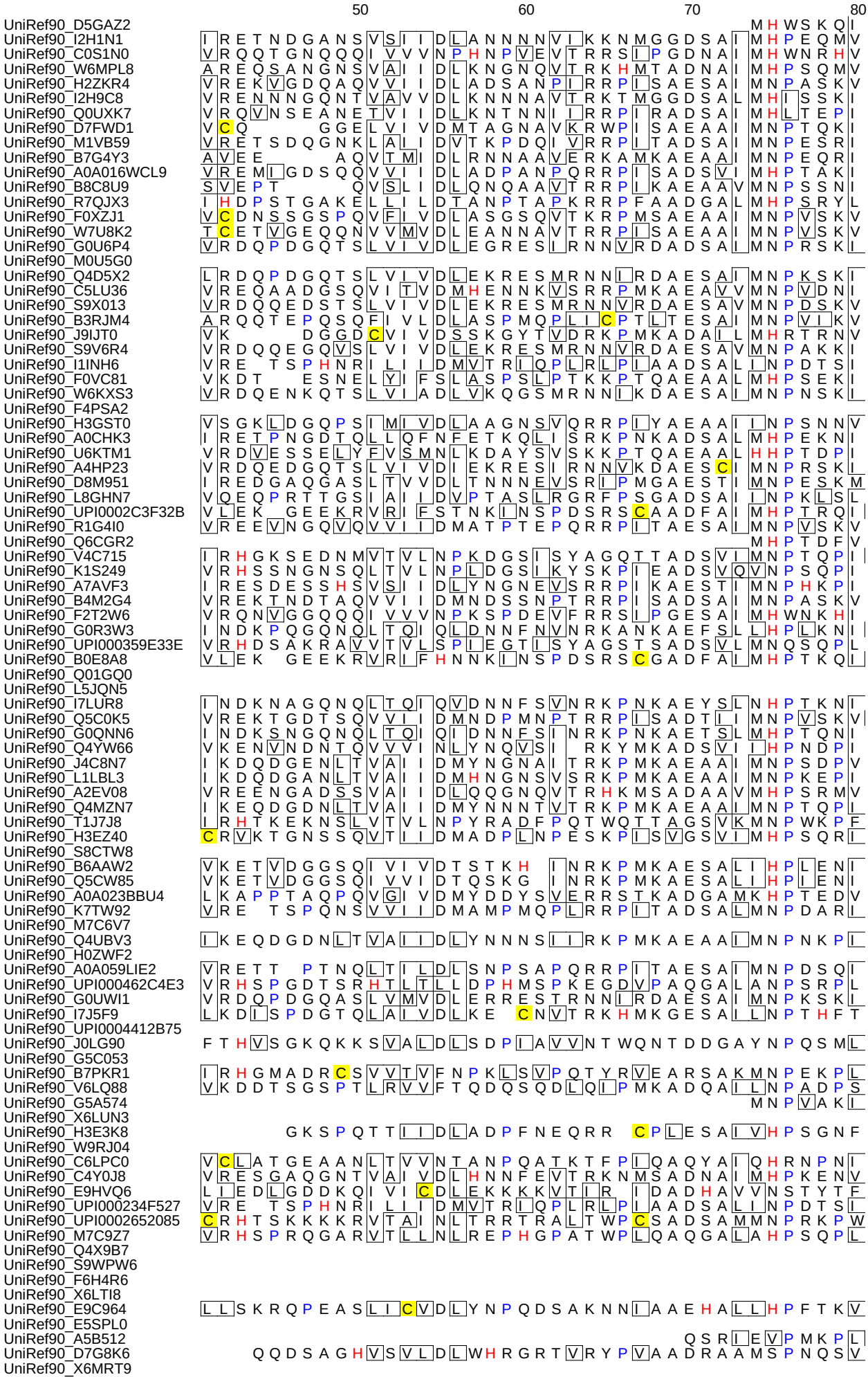

210
220
230
240
QUERY S F A Q F K M E G N A E E S T L F C F A V R G Q A G G K L H I I E V G T P P T G
UniRef90_K1PNR3 A F T Q F K M E G N P Q P S T L F S F A V R G A Q G G K L H I I E V G Q P P Q G
UniRef90_W4VRM7 S F A T F Q M E D N K E P S T L F C F A V R S Q A A A K L H I I E V G T A P T G
UniRef90_W4ZDG0 C F T S F K L E N N P E L S T L F C F G V R G A A G G K L H I I E V G S P A T G
UniRef90_UPI0003C8E2E1 A F A E F K V E G N A K P S T L F C F A V Q G P A G G K L H I I E V G Q P A A G
UniRef90_J9K797 S F A R F Q M E G N R E M S T L F C F A A R T A A G G K L H I V E V V Q T P R G
UniRef90_I1G2Y1 G F A Q L K L A G N P E E S T L F S F A V R G A A G A K L H V I E V G T P A T G
UniRef90_E9CGZ5 S F A Q F K M E G N A S E S T L F V F G V R N A Q G G K L H I I E V G T P A A G
UniRef90_UPI00035956B7 A F A S F K V D G N P N P S T L F V F A V R G A N G G K L H I I E V G T P P S G
UniRef90_UPI0002B4A01D V F S Q F K M E G N A Q P S N I F C F A V R G A T A S K L H I I E V G T P P T G
UniRef90_UPI0003F05835 A F A E F M I E G N A K P S T L F C F A V H T H T E S K L H I T E V G Q P A S G
UniRef90_A8PBZ0 C F V S F K T E G N P H P S N L F C F S V R T I Q G G K L H V I E I G S P P A G
UniRef90_B3SAN9 A F T S M K V G E N P N P S T L F S F A T R N P N T G K L H I I E V G S A P Q G
UniRef90_F4P544 S F A Q L K M E G G S Q P N Q L F S F A V R S A N G A K L H I I E I D H K E G
UniRef90_E4X982 A F T Q F K A E G N N A E S N L F C F S V R G P S G G K L H I I E V G S P V A G
UniRef90_A5HUF0 A F A H V K L D G N I N P S T L F C F G V R G V Q G G K L H I I E V G Q T P T G
UniRef90_U6HC87 A F V Q Y K G E G Q P N P A T L F C F V A R T V Q S C N L H I I E V G Q P P E G
UniRef90_M5GCI2 S F A E I K L D G N S T P T K L F T F S V R T A A G A K L H I V E I D H Q A P
UniRef90_P34574 C F V R F K V D G N Q N P S N L F C F S V K T D N G G K L H V I E V G T P A A G
UniRef90_UPI0003AB733A A F A E L K M E G N A K P A T L F C F A V R N P T G G K L H I I E V G Q P A A G
UniRef90_UPI0003F49057 A F A Q L K L D G G A T P S K L F C F A V R Q A N G A K L H V V E I G H Q P P
UniRef90_R9NWH5 A F A E L K S D T A P S P F K L F T F A N R T A T G A K L H V V E I D H Q N G
UniRef90_S2JKE8 A F A E L T L E D A A H P T K L F T F A V R S P S N A K L Q I I E V D H V D G
UniRef90_H0WIF6 A F A E F K V E G N T T P A T L L C F A V R G P A G G K L H I I E V G Q P A A G
UniRef90_A0A044UV10 C F V N F K I E G N P H P S N L F C F S V R T T Q G G K L H V I E I G N P P A G
UniRef90_R7S081 A F A E M K L D G R Q H V T K L F A F S V R T G N G A K L H V V E I D H Q A P
UniRef90_M7SR20 T F G T M R I E G Q P S D T K V F T F A V R T P T G G K L H I V E I D H P E A
UniRef90_U5H2Q5 S F A E L R M D G A S D D T K L F A F A V R T G T G A K L H V V E I D H Q A H
UniRef90_G1X7J6 A F A N L R L D G G A S D T K L F T F A V R T A T G A K L H V V E I D H Q T G
UniRef90_M5E964 A F V E L K T Q D A P L P Y K L F T F A V R T A T G A K L H I V E I D H A A E
UniRef90_F1QZU8 A F G L Y K L E G N A N T S T L F C F A V R G Q A G G K L H I I E V G Q P Q A G
UniRef90_F7VTF1 A F G T L R L E G A P E D T K V F T F A V R T A V G A K L H I V E V D H P E T
UniRef90_G7DYC4 A F A E I K L D G S A V E T K L F A F A N R T P T G G K M H I V E I D K Q P N S
UniRef90_C9SJ16 A F G T I R L E G A P A D T K L F T F S V R T A T G A K L H V V E V D H A E S
UniRef90_R9AE90 A F S E L K L D G N A N P S K L F A F A V R T G S G A K L H I V E I D Y Q S G
UniRef90_A7F5G2 A F G T L R L E S A P A D T K V F T F S V R T A T G A K L H I V E V D H Q S S
UniRef90_UPI0002C43F08 A F A E F M I K G N A R P S T L F C F A V R S P T E S K L H I I E V G Q P A A G
UniRef90_U1HXJ0 A F G T L R V D G Q P E E Y K L F S F A V R T A S G A K L H I V E I D A N Q A
UniRef90_T5AFP4 G F G S L R L E G A P Q D T K L F S F A A R T A T G A K L H I V E V D H P E S
UniRef90_M2MX78 A F G T I R L E D A S S D T K L F T F A N R G A N G A K L H I V E V D H Q Q P
UniRef90_A9UQI1 C F T Q F K M P G N P H P S N V L C M A N R G A A G A K I H V I E V G A P A A G
UniRef90_N6T4F5 S F A T F K M E G N P E P S T L F C F A V R N L Q G G K L H I I E V
UniRef90_L8H0U7 A F C D Y R T E G S T R N S T L F C F A S R T A A S S K L Y I L E V G Q T G E G
UniRef90_G7YMF8 A F A N Y T P E G S T T P T T L F C F A A R N A Q G C K L H I I E V G Q P A A G
UniRef90_UPI000333A230 A F A E F L I E G N A K P S T L F C F A V R S H T E G K L H I I E V G Q P A A G
UniRef90_U7PW64 S F A T Y Q M D G A P Q V S K L F V F A V R T A A A A K L H I V E I D K P D A
UniRef90_F2U3P4 T F I N Y R M Q G N P E D S G L L C L A S R T A A G G K L H I L E V G A T P A G
UniRef90_A0A024JIJ3 A F G L L R L D G A S S D T K L F T F A N R T A T G A K L H I V E I D H Q E G
UniRef90_L0PBF5 A F A T L K T N E G S Y E Y K L F V F A V R T G T A A K L H I V E I D H Q A G
UniRef90_G4TBR4 A F A E V T L D G A P A P T S L F T F S V R T A A G A K L H I V E I D H N P A
UniRef90_M3VZ24 A F A E F K S E G N A K P A T L F C F A V R S P T G G K L H I I E V G Q P A A G
UniRef90_N1J8C8 A F G T L K L E G A P S E T K V F T F S V R A A T G A K L H I V E V D H K A D
UniRef90_S9PXG1 A F A V I R P E G L S Y D V Q V L A L A S R L P T G S K L S I V E I D R N P N
UniRef90_U9U729 A F A N I V L E N G V S P T S L F T F A I R S T N G A K L H I V E V D H K D E
UniRef90_I0Z7L6 A F S T L K A P G S Q T P S T V I S F A Q K T F A N G K L H V I E L G A A P G T
UniRef90_P25870 C F A N Y I V P G A T R P S T L F A I S S R T Q N A S K I L V L E V S K G D G P
UniRef90_H3EZS4 C F V K F K L E G N P H P S N L F V F S L K N D Q G G K L H M I E V G T P A A G
UniRef90_B6K218 A F G V I R P E G Y A N D V Q V L A F A N R I P N G A K L S V V E I D R K P G
UniRef90_C4JUE7 T F A S I S V E G S P L P H K L F A F A V R T Q T G A K L Q I A E I D H Q E P
UniRef90_M0SYF3 S F A S F K A A G K E N P S T L V C F A S K T T N A G K L H V I E L G A Q P G
UniRef90_C4QYS8 N F A T L K L S G A S V D T Q V F V C G N R T A T G G Q L H V I E I D H Q E G
UniRef90_A9TN62 V F A S I E L P G G D H S S T L I S F A T K T Q I I S K L H V I E L G A Q P G
UniRef90_B8N9R7 A F A S I R V E G S P L E H K L F T F A V R T Q T G A K L Q I A E I D H Q D P
UniRef90_H2ZKR2 S F A Q L K L E G N K E S T L F C F A V R G A Q G G K L H I I E V G T P A A G
UniRef90_C1E1W7 A F S T H Q V T G N S V K S Q V I A F A Q K T V M A S K L H V I E L G A Q A G
UniRef90_A0A058Z4D0 T F A T F K M D N N P H P T K V F A F A T R S A S S S M L C I L E I D P S E G
UniRef90_J3PQJ9 S F A D Y R L E G A T T D S K L F A F A V R T A A G A K K S I I K P A S R
UniRef90_G3B757 K F A S I K L S G A A H P T K V F C V G N K N A Q G G N L H I I E I D H V D G
UniRef90_R0I9D4 S F A Q F K V L L G S L V S S L F L Y H L Q A D N T S K L H V V I E L G A Q P G
UniRef90_A5DH83 K F A E I K L N G A P H P T K V F C V G N K N A N G G N L H I I E I D H P E G
UniRef90_K0L0H5 S F S Q L T L E N A S A P T Q V F V C G N R T A N G G Q L H I I E I D H D S N
UniRef90_M2W2Q0 A F C K F Q I N S K D P G T K L F V F A T K T S N A S K F H V I E I G Q K P S D
UniRef90_K8EA55 T F G T F H V P G N A K E S Q I V A F A Q K T V N P G K M H I I E L G M Q P G N
UniRef90_Q39834 S F A Q F K V P G N E N P S T L F L F A T N G Q I I T K L H V I E L G A Q P G
UniRef90_G4VAK2 A F A R Y I P E G N A N P T T L F C F A S R N A Q A C K L H I I E V G Q P P A G
UniRef90_W1QIH6 A F A K F K L Q N S P V D T Q L F A C A S R T V D G G N L H V L E I D H Q E G
UniRef90_H3AKV2 A F A E F K I E G N T K A S T L F C F A V R S Q A G G K L H I I E V G Q P A A G
UniRef90_J5Q1Y8 A F T S V K M E G A S Q P S K L F C F A V R S G N G A K L H V V E I G H Q A G
UniRef90_A0A024U3J7 T F A H M K P P G R T D E A Q V L C F A T K D G A P L Q L F I M E V G A N A T G
UniRef90_D8TW88 A F A N V K F T G R D A P S L V I S F A Q K T Q I I S K L H V I E L G G G A A G
UniRef90_L1J231 A F S Q F L C Q G A T E Q S T L F A F A N K S A T G T K L H I I E V V K G N S
UniRef90_D2V5V4 C F V D Y K L S N N F V T T V V C I A S S T P Q G G K L F V M E V P S K P Q D
UniRef90_H3EZ37 C F I R F K L D G N P H P S N L L V F S V R G E Q G G K T V I V E L G N P A A G
UniRef90_UPI0003AB5FED A F A E L K M E G N A K P A T L F C F A V R N P T G G K L H I I E V G Q P A A G
UniRef90_E5SVW3 N E E P S T L F S F A S R Q Q A F A K L H I V E V G T A S G K
UniRef90_E1ZQ18 A F T T L A L G G K P S A P V I S F A Q K T A A P G K L H V I E L G L P
UniRef90_Q756A8 T F A S L M L D G N P Q P V Q V F V T G N R N A T T G E L R I I E I D H A A A C
UniRef90_D8R9H5 A F G S F K L A A N D A A S V I I S F A S K S Y S G S K L H V I E L G A Q T G
UniRef90_J7R151 I F S E I F M E G N S E K L Q I F V T G T R N T A T G E L R I I E I D H N A A A
UniRef90_A4RQV5 A F T T H Q V P G N A Q K S Q L V C F A Q K G S V V S K L H V I E L G A P A G
UniRef90_I2K230 C F G K V R Q Q G A S V D T Q V F A C A S R T P T G G N L H L L E I E H Q P G
UniRef90_F0W5K0 S F T K M K P P G R A E D G H I L V F A I K G D G P Q Q L F I M E V G D K D A P

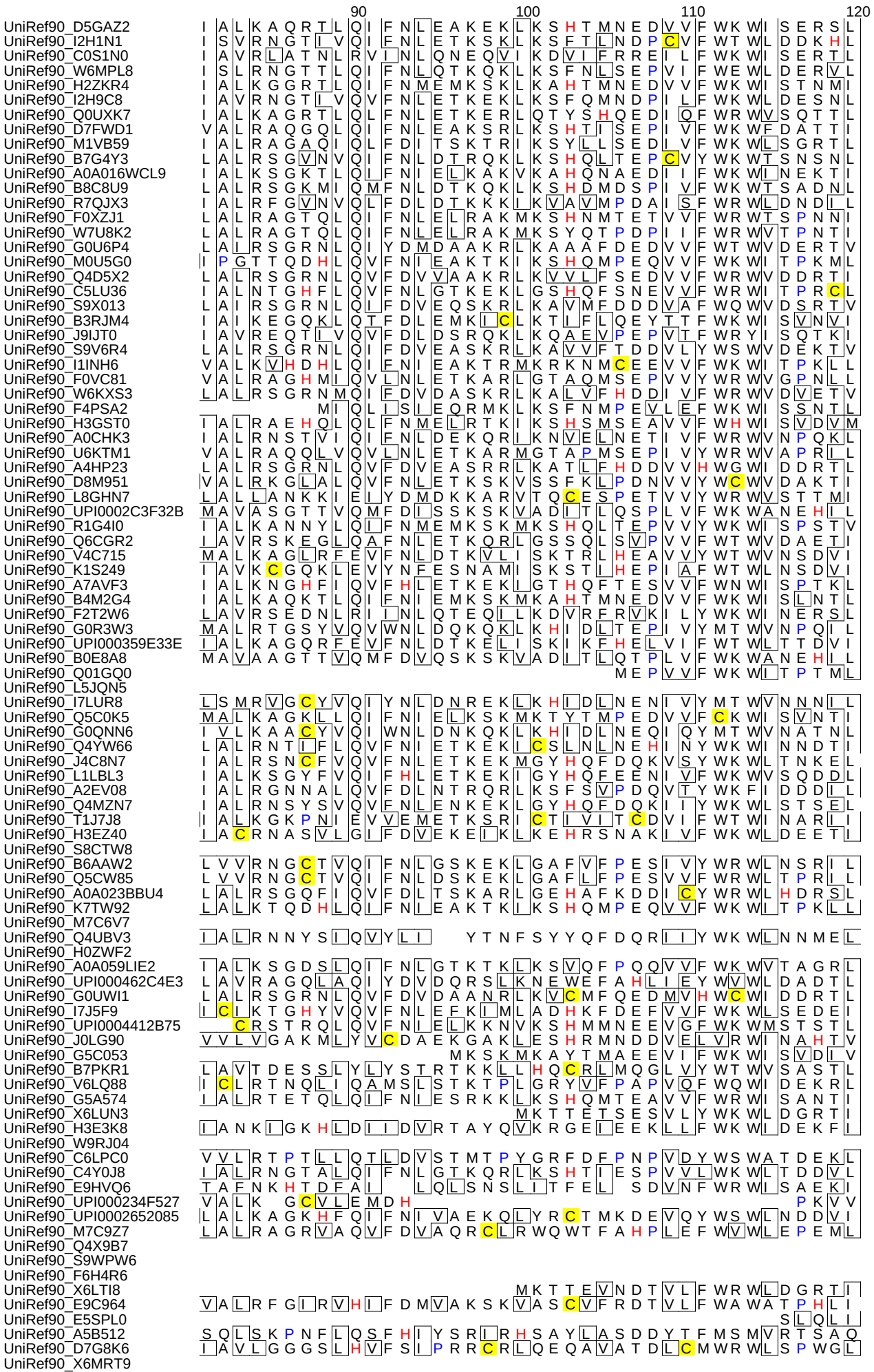

250
260
270
280
QUERY
UniRef90_K1PNR3
UniRef90_W4VRM7
UniRef90_W4ZDG0
UniRef90_UPI0003C8E2E1
UniRef90_J9K797
UniRef90_I1G2Y1
UniRef90_E9CGZ5
UniRef90_UPI00035956B7
UniRef90_UPI0002B4A01D
UniRef90_UPI0003F05835
UniRef90_A8PBZ0
UniRef90_B3SAN9
UniRef90_F4P544
UniRef90_E4X982
UniRef90_A5HUF0
UniRef90_U6HC87
UniRef90_M5GCI2
UniRef90_P34574
UniRef90_UPI0003AB733A
UniRef90_UPI0003F49057
UniRef90_R9NWH5
UniRef90_S2JKE8
UniRef90_H0WIF6
UniRef90_A0A044UV10
UniRef90_R7S081
UniRef90_M7SR20
UniRef90_U5H2Q5
UniRef90_G1X7J6
UniRef90_M5E964
UniRef90_F1QZU8
UniRef90_F7VTF1
UniRef90_G7DYC4
UniRef90_C9SJ16
UniRef90_R9AE90
UniRef90_A7F5G2
UniRef90_UPI0002C43F08
UniRef90_U1HXJ0
UniRef90_T5AFP4
UniRef90_M2MX78
UniRef90_A9UQI1
UniRef90_N6T4F5
UniRef90_L8H0U7
UniRef90_G7YMF8
UniRef90_UPI000333A230
UniRef90_U7PW64
UniRef90_F2U3P4
UniRef90_A0A024JIJ3
UniRef90_L0PBF5
UniRef90_G4TBR4
UniRef90_M3VZ24
UniRef90_N1J8C8
UniRef90_S9PXG1
UniRef90_U9U729
UniRef90_I0Z7L6
UniRef90_P25870
UniRef90_H3EZS4
UniRef90_B6K218
UniRef90_C4JUE7
UniRef90_M0SYF3
UniRef90_C4QYS8
UniRef90_A9TN62
UniRef90_B8N9R7
UniRef90_H2ZKR2
UniRef90_C1E1W7
UniRef90_A0A058Z4D0
UniRef90_J3PQJ9
UniRef90_G3B757
UniRef90_R0I9D4
UniRef90_A5DH83
UniRef90_K0L0H5
UniRef90_M2W2Q0
UniRef90_K8EA55
UniRef90_Q39834
UniRef90_G4VAK2
UniRef90_W1QIH6
UniRef90_H3AKV2
UniRef90_J5Q1Y8
UniRef90_A0A024U3J7
UniRef90_D8TW88
UniRef90_L1J231
UniRef90_D2V5V4
UniRef90_H3EZ37
UniRef90_UPI0003AB5FED
UniRef90_E5SVW3
UniRef90_E1ZQ18
UniRef90_Q756A8
UniRef90_D8R9H5
UniRef90_J7R151
UniRef90_A4RQV5
UniRef90_I2K230
UniRef90_F0W5K0

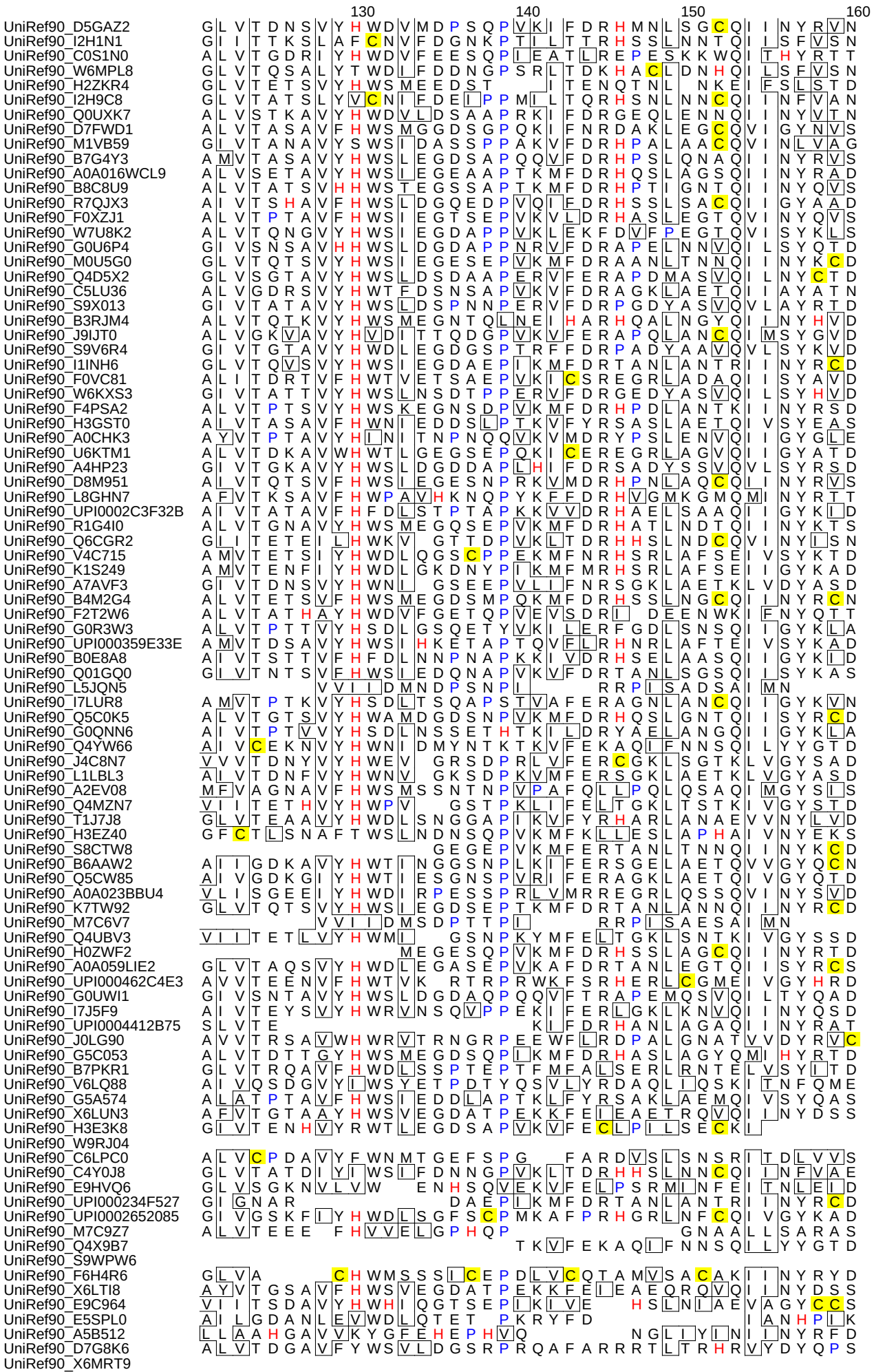

290
300
310
320
QUERY
UniRef90_K1PNR3
UniRef90_W4VRM7
UniRef90_W4ZDG0
UniRef90_UPI0003C8E2E1
UniRef90_J9K797
UniRef90_I1G2Y1
UniRef90_E9CGZ5
UniRef90_UPI00035956B7
UniRef90_UPI0002B4A01D
UniRef90_UPI0003F05835
UniRef90_A8PBZ0
UniRef90_B3SAN9
UniRef90_F4P544
UniRef90_E4X982
UniRef90_A5HUF0
UniRef90_U6HC87
UniRef90_M5GCI2
UniRef90_P34574
UniRef90_UPI0003AB733A
UniRef90_UPI0003F49057
UniRef90_R9NWH5
UniRef90_S2JKE8
UniRef90_H0WIF6
UniRef90_A0A044UV10
UniRef90_R7S081
UniRef90_M7SR20
UniRef90_U5H2Q5
UniRef90_G1X7J6
UniRef90_M5E964
UniRef90_F1QZU8
UniRef90_F7VTF1
UniRef90_G7DYC4
UniRef90_C9SJ16
UniRef90_R9AE90
UniRef90_A7F5G2
UniRef90_UPI0002C43F08
UniRef90_U1HXJ0
UniRef90_T5AFP4
UniRef90_M2MX78
UniRef90_A9UQI1
UniRef90_N6T4F5
UniRef90_L8H0U7
UniRef90_G7YMF8
UniRef90_UPI000333A230
UniRef90_U7PW64
UniRef90_F2U3P4
UniRef90_A0A024JIJ3
UniRef90_L0PBF5
UniRef90_G4TBR4
UniRef90_M3VZ24
UniRef90_N1J8C8
UniRef90_S9PXG1
UniRef90_U9U729
UniRef90_I0Z7L6
UniRef90_P25870
UniRef90_H3EZS4
UniRef90_B6K218
UniRef90_C4JUE7
UniRef90_M0SYF3
UniRef90_C4QYS8
UniRef90_A9TN62
UniRef90_B8N9R7
UniRef90_H2ZKR2
UniRef90_C1E1W7
UniRef90_A0A058Z4D0
UniRef90_J3PQJ9
UniRef90_G3B757
UniRef90_R0I9D4
UniRef90_A5DH83
UniRef90_K0L0H5
UniRef90_M2W2Q0
UniRef90_K8EA55
UniRef90_Q39834
UniRef90_G4VAK2
UniRef90_W1QIH6
UniRef90_H3AKV2
UniRef90_J5Q1Y8
UniRef90_A0A024U3J7
UniRef90_D8TW88
UniRef90_L1J231
UniRef90_D2V5V4
UniRef90_H3EZ37
UniRef90_UPI0003AB5FED
UniRef90_E5SVW3
UniRef90_E1ZQ18
UniRef90_Q756A8
UniRef90_D8R9H5
UniRef90_J7R151
UniRef90_A4RQV5
UniRef90_I2K230
UniRef90_F0W5K0

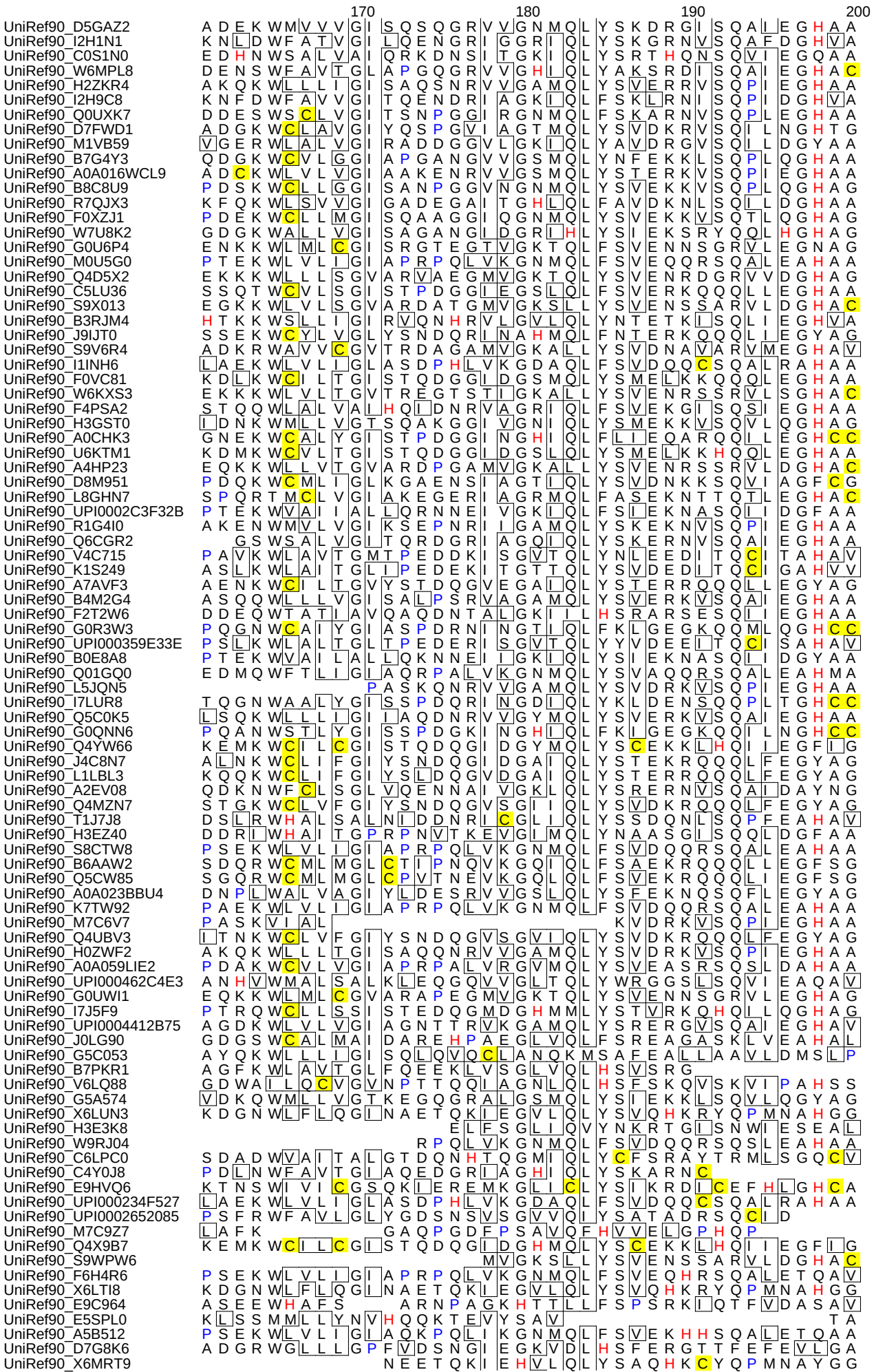

330
340
350
QUERY
UniRef90_K1PNR3
UniRef90_W4VRM7
UniRef90_W4ZDG0
UniRef90_UPI0003C8E2E1
UniRef90_J9K797
UniRef90_I1G2Y1
UniRef90_E9CGZ5
UniRef90_UPI00035956B7
UniRef90_UPI0002B4A01D
UniRef90_UPI0003F05835
UniRef90_A8PBZ0
UniRef90_B3SAN9
UniRef90_F4P544
UniRef90_E4X982
UniRef90_A5HUF0
UniRef90_U6HC87
UniRef90_M5GCI2
UniRef90_P34574
UniRef90_UPI0003AB733A
UniRef90_UPI0003F49057
UniRef90_R9NWH5
UniRef90_S2JKE8
UniRef90_H0WIF6
UniRef90_A0A044UV10
UniRef90_R7S081
UniRef90_M7SR20
UniRef90_U5H2Q5
UniRef90_G1X7J6
UniRef90_M5E964
UniRef90_F1QZU8
UniRef90_F7VTF1
UniRef90_G7DYC4
UniRef90_C9SJ16
UniRef90_R9AE90
UniRef90_A7F5G2
UniRef90_UPI0002C43F08
UniRef90_U1HXJ0
UniRef90_T5AFP4
UniRef90_M2MX78
UniRef90_A9UQI1
UniRef90_N6T4F5
UniRef90_L8H0U7
UniRef90_G7YMF8
UniRef90_UPI000333A230
UniRef90_U7PW64
UniRef90_F2U3P4
UniRef90_A0A024JIJ3
UniRef90_L0PBF5
UniRef90_G4TBR4
UniRef90_M3VZ24
UniRef90_N1J8C8
UniRef90_S9PXG1
UniRef90_U9U729
UniRef90_I0Z7L6
UniRef90_P25870
UniRef90_H3EZS4
UniRef90_B6K218
UniRef90_C4JUE7
UniRef90_M0SYF3
UniRef90_C4QYS8
UniRef90_A9TN62
UniRef90_B8N9R7
UniRef90_H2ZKR2
UniRef90_C1E1W7
UniRef90_A0A058Z4D0
UniRef90_J3PQJ9
UniRef90_G3B757
UniRef90_R0I9D4
UniRef90_A5DH83
UniRef90_K0L0H5
UniRef90_M2W2Q0
UniRef90_K8EA55
UniRef90_Q39834
UniRef90_G4VAK2
UniRef90_W1QIH6
UniRef90_H3AKV2
UniRef90_J5Q1Y8
UniRef90_A0A024U3J7
UniRef90_D8TW88
UniRef90_L1J231
UniRef90_D2V5V4
UniRef90_H3EZ37
UniRef90_UPI0003AB5FED
UniRef90_E5SVW3
UniRef90_E1ZQ18
UniRef90_Q756A8
UniRef90_D8R9H5
UniRef90_J7R151
UniRef90_A4RQV5
UniRef90_I2K230
UniRef90_F0W5K0

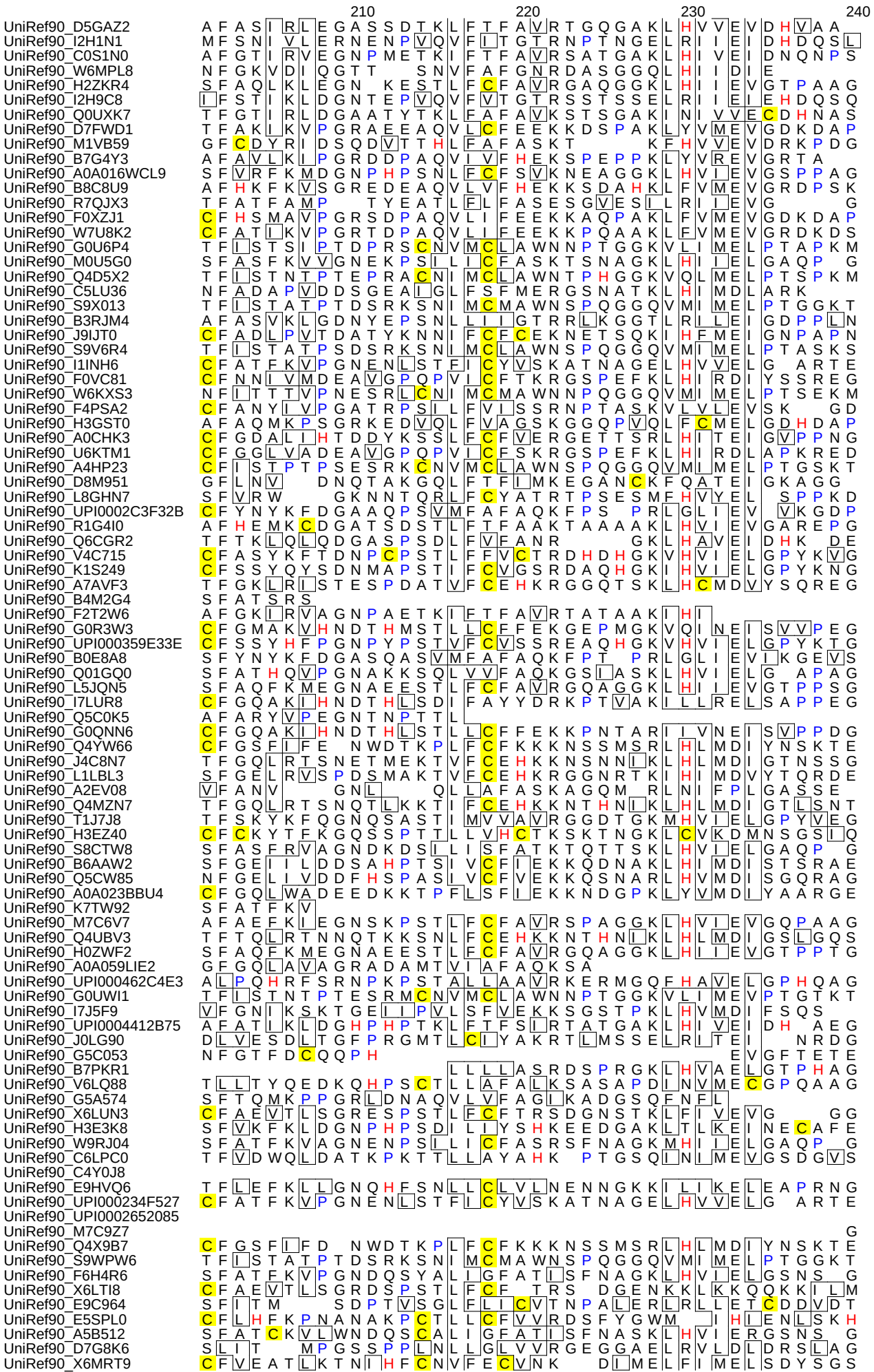

1
10
20
30
40
UniRef90_D5GAZ2
UniRef90_I2H1N1
UniRef90_C0S1N0
UniRef90_W6MPL8
UniRef90_H2ZKR4
UniRef90_I2H9C8
UniRef90_Q0UXK7
UniRef90_D7FWD1
UniRef90_M1VB59
UniRef90_B7G4Y3
UniRef90_A0A016WCL9
UniRef90_B8C8U9
UniRef90_R7QJX3
UniRef90_F0XZJ1
UniRef90_W7U8K2
UniRef90_G0U6P4
UniRef90_M0U5G0
UniRef90_Q4D5X2
UniRef90_C5LU36
UniRef90_S9X013
UniRef90_B3RJM4
UniRef90_J9IJT0
UniRef90_S9V6R4
UniRef90_I1INH6
UniRef90_F0VC81
UniRef90_W6KXS3
UniRef90_F4PSA2
UniRef90_H3GST0
UniRef90_A0CHK3
UniRef90_U6KTM1
UniRef90_A4HP23
UniRef90_D8M951
UniRef90_L8GHN7
UniRef90_UPI0002C3F32B
UniRef90_R1G4I0
UniRef90_Q6CGR2
UniRef90_V4C715
UniRef90_K1S249
UniRef90_A7AVF3
UniRef90_B4M2G4
UniRef90_F2T2W6
UniRef90_G0R3W3
UniRef90_UPI000359E33E
UniRef90_B0E8A8
UniRef90_Q01GQ0
UniRef90_L5JQN5
UniRef90_I7LUR8
UniRef90_Q5C0K5
UniRef90_G0QNN6
UniRef90_Q4YW66
UniRef90_J4C8N7
UniRef90_L1LBL3
UniRef90_A2EV08
UniRef90_Q4MZN7
UniRef90_T1J7J8
UniRef90_H3EZ40
UniRef90_S8CTW8
UniRef90_B6AAW2
UniRef90_Q5CW85
UniRef90_A0A023BBU4
UniRef90_K7TW92
UniRef90_M7C6V7
UniRef90_Q4UBV3
UniRef90_H0ZWF2
UniRef90_A0A059LIE2
UniRef90_UPI000462C4E3
UniRef90_G0UWI1
UniRef90_I7J5F9
UniRef90_UPI0004412B75
UniRef90_J0LG90
UniRef90_G5C053
UniRef90_B7PKR1
UniRef90_V6LQ88
UniRef90_G5A574
UniRef90_X6LUN3
UniRef90_H3E3K8
UniRef90_W9RJ04
UniRef90_C6LPC0
UniRef90_C4Y0J8
UniRef90_E9HVQ6
UniRef90_UPI000234F527
UniRef90_UPI0002652085
UniRef90_M7C9Z7
UniRef90_Q4X9B7
UniRef90_S9WPW6
UniRef90_F6H4R6
UniRef90_X6LTI8
UniRef90_E9C964
UniRef90_E5SPL0
UniRef90_A5B512
UniRef90_D7G8K6
UniRef90_X6MRT9

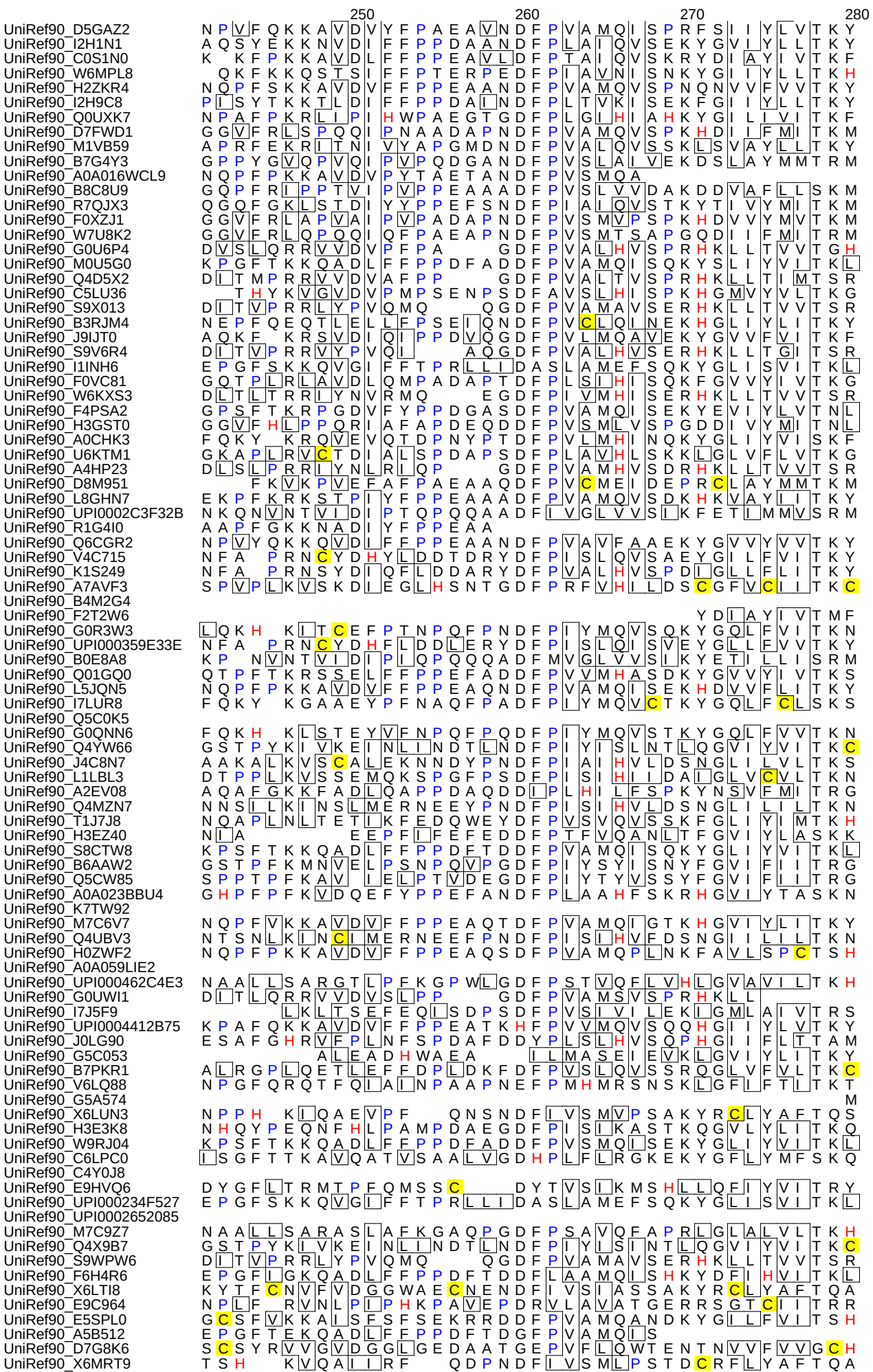

50
60
70
80
UniRef90_D5GAZ2
UniRef90_I2H1N1
UniRef90_C0S1N0
UniRef90_W6MPL8
UniRef90_H2ZKR4
UniRef90_I2H9C8
UniRef90_Q0UXK7
UniRef90_D7FWD1
UniRef90_M1VB59
UniRef90_B7G4Y3
UniRef90_A0A016WCL9
UniRef90_B8C8U9
UniRef90_R7QJX3
UniRef90_F0XZJ1
UniRef90_W7U8K2
UniRef90_G0U6P4
UniRef90_M0U5G0
UniRef90_Q4D5X2
UniRef90_C5LU36
UniRef90_S9X013
UniRef90_B3RJM4
UniRef90_J9IJT0
UniRef90_S9V6R4
UniRef90_I1INH6
UniRef90_F0VC81
UniRef90_W6KXS3
UniRef90_F4PSA2
UniRef90_H3GST0
UniRef90_A0CHK3
UniRef90_U6KTM1
UniRef90_A4HP23
UniRef90_D8M951
UniRef90_L8GHN7
UniRef90_UPI0002C3F32B
UniRef90_R1G4I0
UniRef90_Q6CGR2
UniRef90_V4C715
UniRef90_K1S249
UniRef90_A7AVF3
UniRef90_B4M2G4
UniRef90_F2T2W6
UniRef90_G0R3W3
UniRef90_UPI000359E33E
UniRef90_B0E8A8
UniRef90_Q01GQ0
UniRef90_L5JQN5
UniRef90_I7LUR8
UniRef90_Q5C0K5
UniRef90_G0QNN6
UniRef90_Q4YW66
UniRef90_J4C8N7
UniRef90_L1LBL3
UniRef90_A2EV08
UniRef90_Q4MZN7
UniRef90_T1J7J8
UniRef90_H3EZ40
UniRef90_S8CTW8
UniRef90_B6AAW2
UniRef90_Q5CW85
UniRef90_A0A023BBU4
UniRef90_K7TW92
UniRef90_M7C6V7
UniRef90_Q4UBV3
UniRef90_H0ZWF2
UniRef90_A0A059LIE2
UniRef90_UPI000462C4E3
UniRef90_G0UWI1
UniRef90_I7J5F9
UniRef90_UPI0004412B75
UniRef90_J0LG90
UniRef90_G5C053
UniRef90_B7PKR1
UniRef90_V6LQ88
UniRef90_G5A574
UniRef90_X6LUN3
UniRef90_H3E3K8
UniRef90_W9RJ04
UniRef90_C6LPC0
UniRef90_C4Y0J8
UniRef90_E9HVQ6
UniRef90_UPI000234F527
UniRef90_UPI0002652085
UniRef90_M7C9Z7
UniRef90_Q4X9B7
UniRef90_S9WPW6
UniRef90_F6H4R6
UniRef90_X6LTI8
UniRef90_E9C964
UniRef90_E5SPL0
UniRef90_A5B512
UniRef90_D7G8K6
UniRef90_X6MRT9

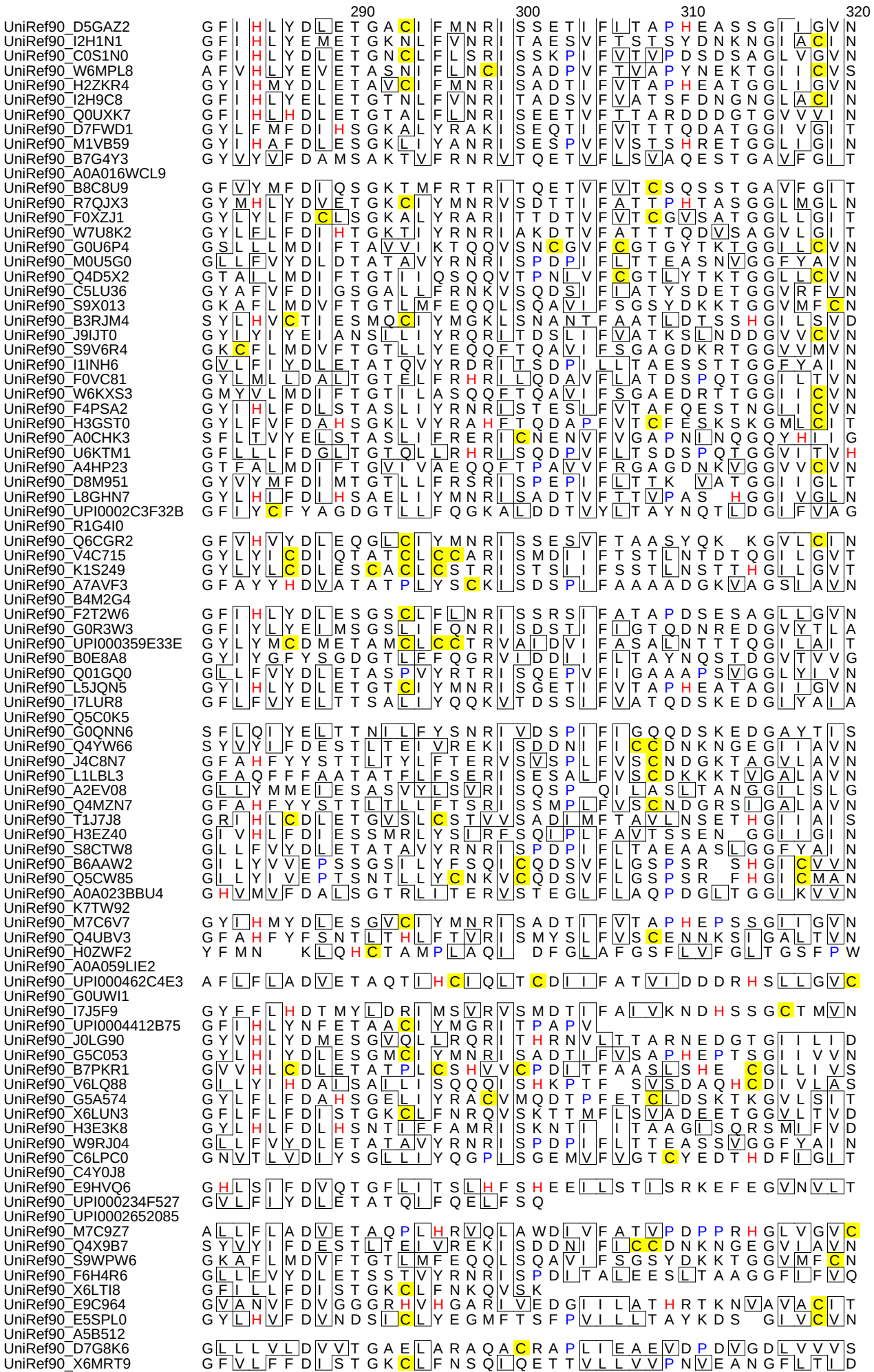

90
100
110
120
UniRef90_D5GAZ2
UniRef90_I2H1N1
UniRef90_C0S1N0
UniRef90_W6MPL8
UniRef90_H2ZKR4
UniRef90_I2H9C8
UniRef90_Q0UXK7
UniRef90_D7FWD1
UniRef90_M1VB59
UniRef90_B7G4Y3
UniRef90_A0A016WCL9
UniRef90_B8C8U9
UniRef90_R7QJX3
UniRef90_F0XZJ1
UniRef90_W7U8K2
UniRef90_G0U6P4
UniRef90_M0U5G0
UniRef90_Q4D5X2
UniRef90_C5LU36
UniRef90_S9X013
UniRef90_B3RJM4
UniRef90_J9IJT0
UniRef90_S9V6R4
UniRef90_I1INH6
UniRef90_F0VC81
UniRef90_W6KXS3
UniRef90_F4PSA2
UniRef90_H3GST0
UniRef90_A0CHK3
UniRef90_U6KTM1
UniRef90_A4HP23
UniRef90_D8M951
UniRef90_L8GHN7
UniRef90_UPI0002C3F32B
UniRef90_R1G4I0
UniRef90_Q6CGR2
UniRef90_V4C715
UniRef90_K1S249
UniRef90_A7AVF3
UniRef90_B4M2G4
UniRef90_F2T2W6
UniRef90_G0R3W3
UniRef90_UPI000359E33E
UniRef90_B0E8A8
UniRef90_Q01GQ0
UniRef90_L5JQN5
UniRef90_I7LUR8
UniRef90_Q5C0K5
UniRef90_G0QNN6
UniRef90_Q4YW66
UniRef90_J4C8N7
UniRef90_L1LBL3
UniRef90_A2EV08
UniRef90_Q4MZN7
UniRef90_T1J7J8
UniRef90_H3EZ40
UniRef90_S8CTW8
UniRef90_B6AAW2
UniRef90_Q5CW85
UniRef90_A0A023BBU4
UniRef90_K7TW92
UniRef90_M7C6V7
UniRef90_Q4UBV3
UniRef90_H0ZWF2
UniRef90_A0A059LIE2
UniRef90_UPI000462C4E3
UniRef90_G0UWI1
UniRef90_I7J5F9
UniRef90_UPI0004412B75
UniRef90_J0LG90
UniRef90_G5C053
UniRef90_B7PKR1
UniRef90_V6LQ88
UniRef90_G5A574
UniRef90_X6LUN3
UniRef90_H3E3K8
UniRef90_W9RJ04
UniRef90_C6LPC0
UniRef90_C4Y0J8
UniRef90_E9HVQ6
UniRef90_UPI000234F527
UniRef90_UPI0002652085
UniRef90_M7C9Z7
UniRef90_Q4X9B7
UniRef90_S9WPW6
UniRef90_F6H4R6
UniRef90_X6LTI8
UniRef90_E9C964
UniRef90_E5SPL0
UniRef90_A5B512
UniRef90_D7G8K6
UniRef90_X6MRT9

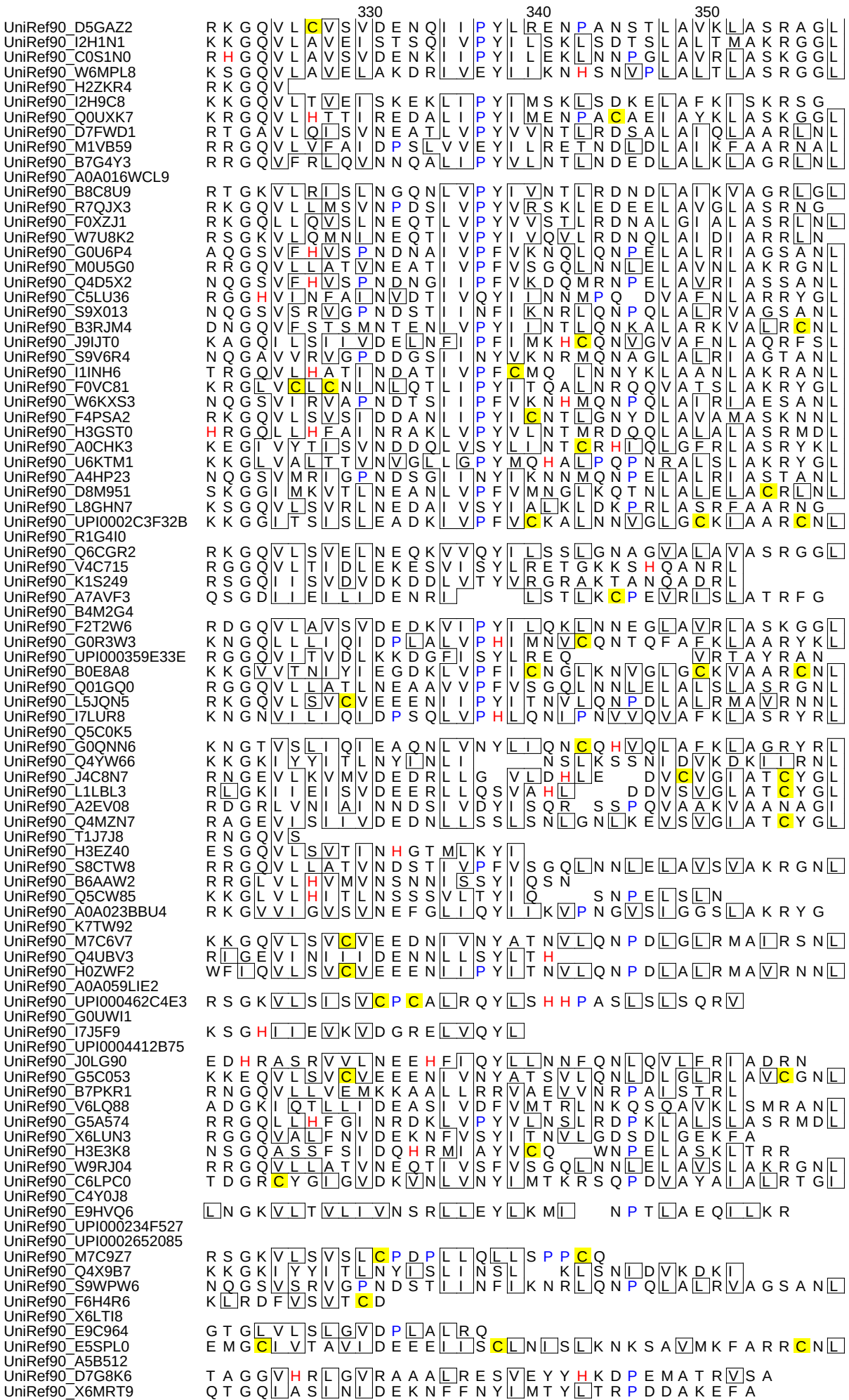

130
140
150
160
UniRef90_D5GAZ2
UniRef90_I2H1N1
UniRef90_C0S1N0
UniRef90_W6MPL8
UniRef90_H2ZKR4
UniRef90_I2H9C8
UniRef90_Q0UXK7
UniRef90_D7FWD1
UniRef90_M1VB59
UniRef90_B7G4Y3
UniRef90_A0A016WCL9
UniRef90_B8C8U9
UniRef90_R7QJX3
UniRef90_F0XZJ1
UniRef90_W7U8K2
UniRef90_G0U6P4
UniRef90_M0U5G0
UniRef90_Q4D5X2
UniRef90_C5LU36
UniRef90_S9X013
UniRef90_B3RJM4
UniRef90_J9IJT0
UniRef90_S9V6R4
UniRef90_I1INH6
UniRef90_F0VC81
UniRef90_W6KXS3
UniRef90_F4PSA2
UniRef90_H3GST0
UniRef90_A0CHK3
UniRef90_U6KTM1
UniRef90_A4HP23
UniRef90_D8M951
UniRef90_L8GHN7
UniRef90_UPI0002C3F32B
UniRef90_R1G4I0
UniRef90_Q6CGR2
UniRef90_V4C715
UniRef90_K1S249
UniRef90_A7AVF3
UniRef90_B4M2G4
UniRef90_F2T2W6
UniRef90_G0R3W3
UniRef90_UPI000359E33E
UniRef90_B0E8A8
UniRef90_Q01GQ0
UniRef90_L5JQN5
UniRef90_I7LUR8
UniRef90_Q5C0K5
UniRef90_G0QNN6
UniRef90_Q4YW66
UniRef90_J4C8N7
UniRef90_L1LBL3
UniRef90_A2EV08
UniRef90_Q4MZN7
UniRef90_T1J7J8
UniRef90_H3EZ40
UniRef90_S8CTW8
UniRef90_B6AAW2
UniRef90_Q5CW85
UniRef90_A0A023BBU4
UniRef90_K7TW92
UniRef90_M7C6V7
UniRef90_Q4UBV3
UniRef90_H0ZWF2
UniRef90_A0A059LIE2
UniRef90_UPI000462C4E3
UniRef90_G0UWI1
UniRef90_I7J5F9
UniRef90_UPI0004412B75
UniRef90_J0LG90
UniRef90_G5C053
UniRef90_B7PKR1
UniRef90_V6LQ88
UniRef90_G5A574
UniRef90_X6LUN3
UniRef90_H3E3K8
UniRef90_W9RJ04
UniRef90_C6LPC0
UniRef90_C4Y0J8
UniRef90_E9HVQ6
UniRef90_UPI000234F527
UniRef90_UPI0002652085
UniRef90_M7C9Z7
UniRef90_Q4X9B7
UniRef90_S9WPW6
UniRef90_F6H4R6
UniRef90_X6LTI8
UniRef90_E9C964
UniRef90_E5SPL0
UniRef90_A5B512
UniRef90_D7G8K6
UniRef90_X6MRT9

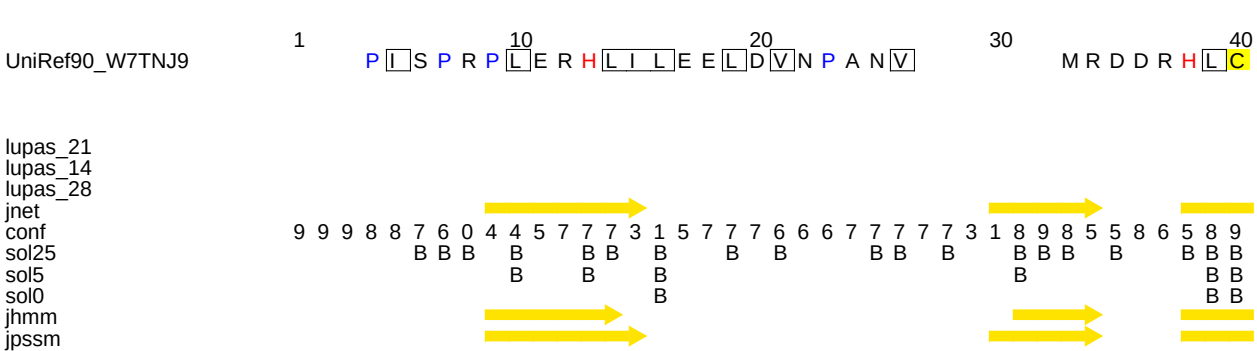

170
180
190
200
UniRef90_D5GAZ2
UniRef90_I2H1N1
UniRef90_C0S1N0
UniRef90_W6MPL8
UniRef90_H2ZKR4
UniRef90_I2H9C8
UniRef90_Q0UXK7
UniRef90_D7FWD1
UniRef90_M1VB59
UniRef90_B7G4Y3
UniRef90_A0A016WCL9
UniRef90_B8C8U9
UniRef90_R7QJX3
UniRef90_F0XZJ1
UniRef90_W7U8K2
UniRef90_G0U6P4
UniRef90_M0U5G0
UniRef90_Q4D5X2
UniRef90_C5LU36
UniRef90_S9X013
UniRef90_B3RJM4
UniRef90_J9IJT0
UniRef90_S9V6R4
UniRef90_I1INH6
UniRef90_F0VC81
UniRef90_W6KXS3
UniRef90_F4PSA2
UniRef90_H3GST0
UniRef90_A0CHK3
UniRef90_U6KTM1
UniRef90_A4HP23
UniRef90_D8M951
UniRef90_L8GHN7
UniRef90_UPI0002C3F32B
UniRef90_R1G4I0
UniRef90_Q6CGR2
UniRef90_V4C715
UniRef90_K1S249
UniRef90_A7AVF3
UniRef90_B4M2G4
UniRef90_F2T2W6
UniRef90_G0R3W3
UniRef90_UPI000359E33E
UniRef90_B0E8A8
UniRef90_Q01GQ0
UniRef90_L5JQN5
UniRef90_I7LUR8
UniRef90_Q5C0K5
UniRef90_G0QNN6
UniRef90_Q4YW66
UniRef90_J4C8N7
UniRef90_L1LBL3
UniRef90_A2EV08
UniRef90_Q4MZN7
UniRef90_T1J7J8
UniRef90_H3EZ40
UniRef90_S8CTW8
UniRef90_B6AAW2
UniRef90_Q5CW85
UniRef90_A0A023BBU4
UniRef90_K7TW92
UniRef90_M7C6V7
UniRef90_Q4UBV3
UniRef90_H0ZWF2
UniRef90_A0A059LIE2
UniRef90_UPI000462C4E3
UniRef90_G0UWI1
UniRef90_I7J5F9
UniRef90_UPI0004412B75
UniRef90_J0LG90
UniRef90_G5C053
UniRef90_B7PKR1
UniRef90_V6LQ88
UniRef90_G5A574
UniRef90_X6LUN3
UniRef90_H3E3K8
UniRef90_W9RJ04
UniRef90_C6LPC0
UniRef90_C4Y0J8
UniRef90_E9HVQ6
UniRef90_UPI000234F527
UniRef90_UPI0002652085
UniRef90_M7C9Z7
UniRef90_Q4X9B7
UniRef90_S9WPW6
UniRef90_F6H4R6
UniRef90_X6LTI8
UniRef90_E9C964
UniRef90_E5SPL0
UniRef90_A5B512
UniRef90_D7G8K6
UniRef90_X6MRT9

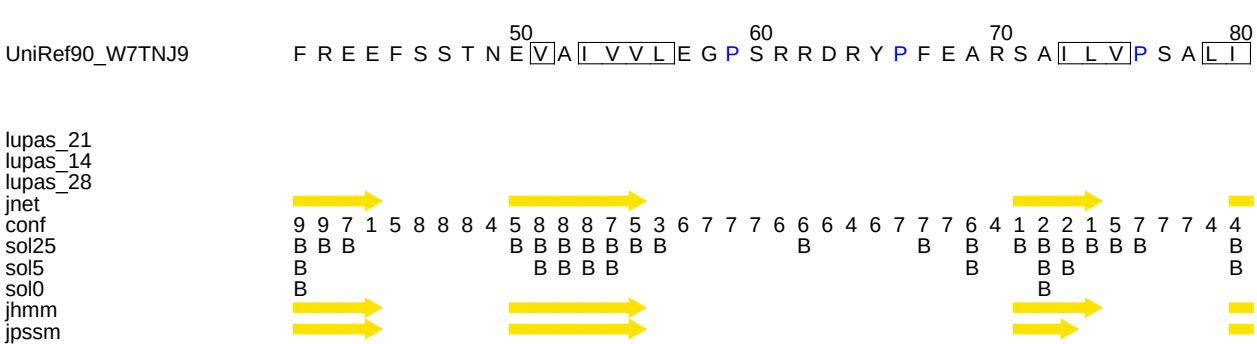

210
220
230
240
UniRef90_D5GAZ2
UniRef90_I2H1N1
UniRef90_C0S1N0
UniRef90_W6MPL8
UniRef90_H2ZKR4
UniRef90_I2H9C8
UniRef90_Q0UXK7
UniRef90_D7FWD1
UniRef90_M1VB59
UniRef90_B7G4Y3
UniRef90_A0A016WCL9
UniRef90_B8C8U9
UniRef90_R7QJX3
UniRef90_F0XZJ1
UniRef90_W7U8K2
UniRef90_G0U6P4
UniRef90_M0U5G0
UniRef90_Q4D5X2
UniRef90_C5LU36
UniRef90_S9X013
UniRef90_B3RJM4
UniRef90_J9IJT0
UniRef90_S9V6R4
UniRef90_I1INH6
UniRef90_F0VC81
UniRef90_W6KXS3
UniRef90_F4PSA2
UniRef90_H3GST0
UniRef90_A0CHK3
UniRef90_U6KTM1
UniRef90_A4HP23
UniRef90_D8M951
UniRef90_L8GHN7
UniRef90_UPI0002C3F32B
UniRef90_R1G4I0
UniRef90_Q6CGR2
UniRef90_V4C715
UniRef90_K1S249
UniRef90_A7AVF3
UniRef90_B4M2G4
UniRef90_F2T2W6
UniRef90_G0R3W3
UniRef90_UPI000359E33E
UniRef90_B0E8A8
UniRef90_Q01GQ0
UniRef90_L5JQN5
UniRef90_I7LUR8
UniRef90_Q5C0K5
UniRef90_G0QNN6
UniRef90_Q4YW66
UniRef90_J4C8N7
UniRef90_L1LBL3
UniRef90_A2EV08
UniRef90_Q4MZN7
UniRef90_T1J7J8
UniRef90_H3EZ40
UniRef90_S8CTW8
UniRef90_B6AAW2
UniRef90_Q5CW85
UniRef90_A0A023BBU4
UniRef90_K7TW92
UniRef90_M7C6V7
UniRef90_Q4UBV3
UniRef90_H0ZWF2
UniRef90_A0A059LIE2
UniRef90_UPI000462C4E3
UniRef90_G0UWI1
UniRef90_I7J5F9
UniRef90_UPI0004412B75
UniRef90_J0LG90
UniRef90_G5C053
UniRef90_B7PKR1
UniRef90_V6LQ88
UniRef90_G5A574
UniRef90_X6LUN3
UniRef90_H3E3K8
UniRef90_W9RJ04
UniRef90_C6LPC0
UniRef90_C4Y0J8
UniRef90_E9HVQ6
UniRef90_UPI000234F527
UniRef90_UPI0002652085
UniRef90_M7C9Z7
UniRef90_Q4X9B7
UniRef90_S9WPW6
UniRef90_F6H4R6
UniRef90_X6LTI8
UniRef90_E9C964
UniRef90_E5SPL0
UniRef90_A5B512
UniRef90_D7G8K6
UniRef90_X6MRT9

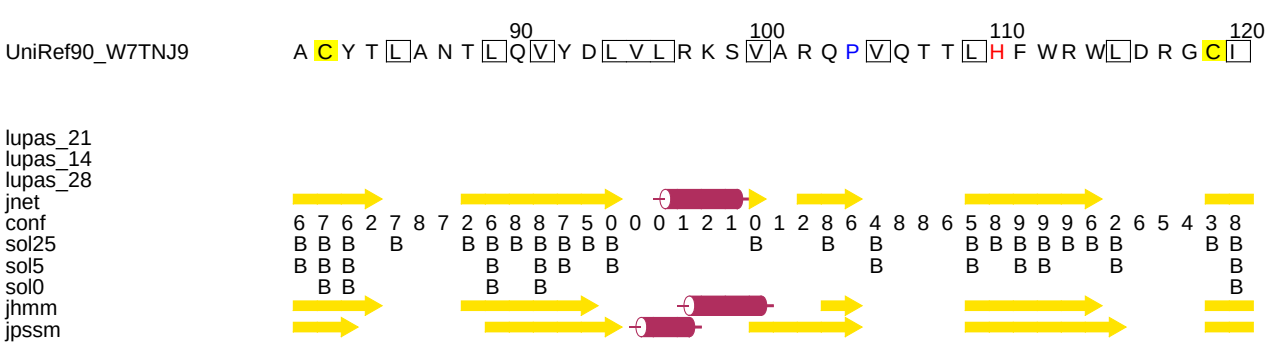

250
260
270
280
UniRef90_D5GAZ2
UniRef90_I2H1N1
UniRef90_C0S1N0
UniRef90_W6MPL8
UniRef90_H2ZKR4
UniRef90_I2H9C8
UniRef90_Q0UXK7
UniRef90_D7FWD1
UniRef90_M1VB59
UniRef90_B7G4Y3
UniRef90_A0A016WCL9
UniRef90_B8C8U9
UniRef90_R7QJX3
UniRef90_F0XZJ1
UniRef90_W7U8K2
UniRef90_G0U6P4
UniRef90_M0U5G0
UniRef90_Q4D5X2
UniRef90_C5LU36
UniRef90_S9X013
UniRef90_B3RJM4
UniRef90_J9IJT0
UniRef90_S9V6R4
UniRef90_I1INH6
UniRef90_F0VC81
UniRef90_W6KXS3
UniRef90_F4PSA2
UniRef90_H3GST0
UniRef90_A0CHK3
UniRef90_U6KTM1
UniRef90_A4HP23
UniRef90_D8M951
UniRef90_L8GHN7
UniRef90_UPI0002C3F32B
UniRef90_R1G4I0
UniRef90_Q6CGR2
UniRef90_V4C715
UniRef90_K1S249
UniRef90_A7AVF3
UniRef90_B4M2G4
UniRef90_F2T2W6
UniRef90_G0R3W3
UniRef90_UPI000359E33E
UniRef90_B0E8A8
UniRef90_Q01GQ0
UniRef90_L5JQN5
UniRef90_I7LUR8
UniRef90_Q5C0K5
UniRef90_G0QNN6
UniRef90_Q4YW66
UniRef90_J4C8N7
UniRef90_L1LBL3
UniRef90_A2EV08
UniRef90_Q4MZN7
UniRef90_T1J7J8
UniRef90_H3EZ40
UniRef90_S8CTW8
UniRef90_B6AAW2
UniRef90_Q5CW85
UniRef90_A0A023BBU4
UniRef90_K7TW92
UniRef90_M7C6V7
UniRef90_Q4UBV3
UniRef90_H0ZWF2
UniRef90_A0A059LIE2
UniRef90_UPI000462C4E3
UniRef90_G0UWI1
UniRef90_I7J5F9
UniRef90_UPI0004412B75
UniRef90_J0LG90
UniRef90_G5C053
UniRef90_B7PKR1
UniRef90_V6LQ88
UniRef90_G5A574
UniRef90_X6LUN3
UniRef90_H3E3K8
UniRef90_W9RJ04
UniRef90_C6LPC0
UniRef90_C4Y0J8
UniRef90_E9HVQ6
UniRef90_UPI000234F527
UniRef90_UPI0002652085
UniRef90_M7C9Z7
UniRef90_Q4X9B7
UniRef90_S9WPW6
UniRef90_F6H4R6
UniRef90_X6LTI8
UniRef90_E9C964
UniRef90_E5SPL0
UniRef90_A5B512
UniRef90_D7G8K6
UniRef90_X6MRT9

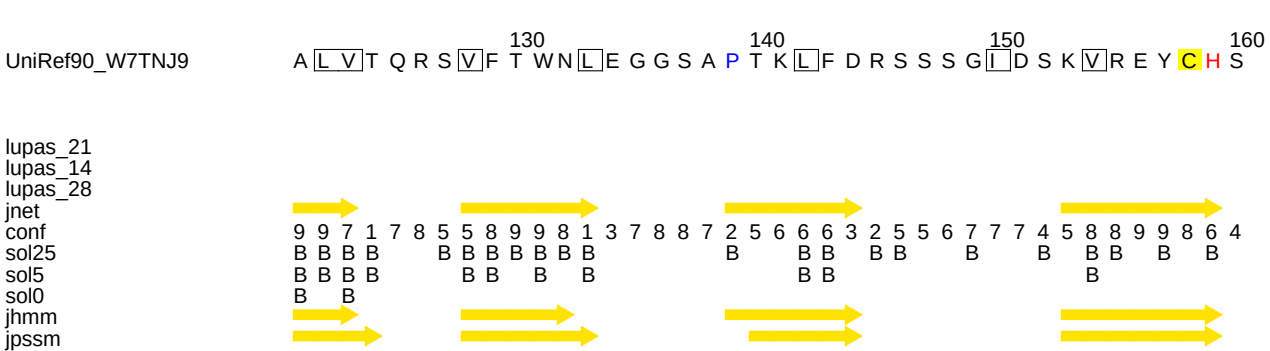

290
300
310
320
UniRef90_D5GAZ2
UniRef90_I2H1N1
UniRef90_C0S1N0
UniRef90_W6MPL8
UniRef90_H2ZKR4
UniRef90_I2H9C8
UniRef90_Q0UXK7
UniRef90_D7FWD1
UniRef90_M1VB59
UniRef90_B7G4Y3
UniRef90_A0A016WCL9
UniRef90_B8C8U9
UniRef90_R7QJX3
UniRef90_F0XZJ1
UniRef90_W7U8K2
UniRef90_G0U6P4
UniRef90_M0U5G0
UniRef90_Q4D5X2
UniRef90_C5LU36
UniRef90_S9X013
UniRef90_B3RJM4
UniRef90_J9IJT0
UniRef90_S9V6R4
UniRef90_I1INH6
UniRef90_F0VC81
UniRef90_W6KXS3
UniRef90_F4PSA2
UniRef90_H3GST0
UniRef90_A0CHK3
UniRef90_U6KTM1
UniRef90_A4HP23
UniRef90_D8M951
UniRef90_L8GHN7
UniRef90_UPI0002C3F32B
UniRef90_R1G4I0
UniRef90_Q6CGR2
UniRef90_V4C715
UniRef90_K1S249
UniRef90_A7AVF3
UniRef90_B4M2G4
UniRef90_F2T2W6
UniRef90_G0R3W3
UniRef90_UPI000359E33E
UniRef90_B0E8A8
UniRef90_Q01GQ0
UniRef90_L5JQN5
UniRef90_I7LUR8
UniRef90_Q5C0K5
UniRef90_G0QNN6
UniRef90_Q4YW66
UniRef90_J4C8N7
UniRef90_L1LBL3
UniRef90_A2EV08
UniRef90_Q4MZN7
UniRef90_T1J7J8
UniRef90_H3EZ40
UniRef90_S8CTW8
UniRef90_B6AAW2
UniRef90_Q5CW85
UniRef90_A0A023BBU4
UniRef90_K7TW92
UniRef90_M7C6V7
UniRef90_Q4UBV3
UniRef90_H0ZWF2
UniRef90_A0A059LIE2
UniRef90_UPI000462C4E3
UniRef90_G0UWI1
UniRef90_I7J5F9
UniRef90_UPI0004412B75
UniRef90_J0LG90
UniRef90_G5C053
UniRef90_B7PKR1
UniRef90_V6LQ88
UniRef90_G5A574
UniRef90_X6LUN3
UniRef90_H3E3K8
UniRef90_W9RJ04
UniRef90_C6LPC0
UniRef90_C4Y0J8
UniRef90_E9HVQ6
UniRef90_UPI000234F527
UniRef90_UPI0002652085
UniRef90_M7C9Z7
UniRef90_Q4X9B7
UniRef90_S9WPW6
UniRef90_F6H4R6
UniRef90_X6LTI8
UniRef90_E9C964
UniRef90_E5SPL0
UniRef90_A5B512
UniRef90_D7G8K6
UniRef90_X6MRT9

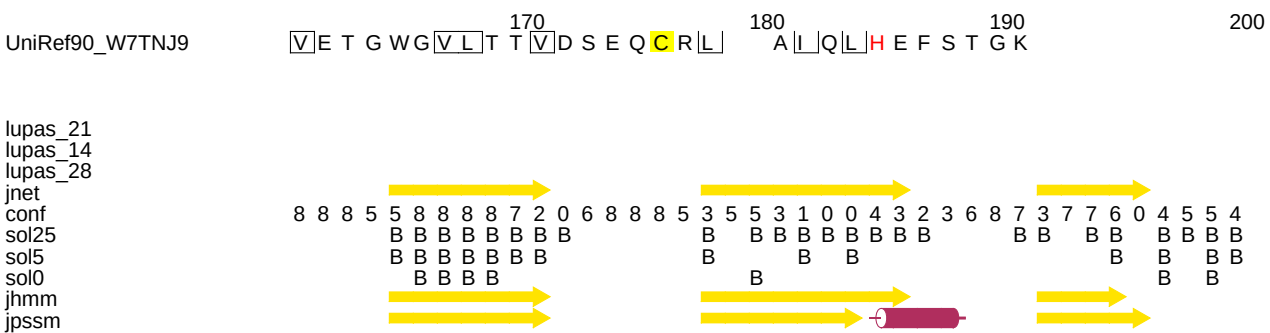

330
340
350
UniRef90_D5GAZ2
UniRef90_I2H1N1
UniRef90_C0S1N0
UniRef90_W6MPL8
UniRef90_H2ZKR4
UniRef90_I2H9C8
UniRef90_Q0UXK7
UniRef90_D7FWD1
UniRef90_M1VB59
UniRef90_B7G4Y3
UniRef90_A0A016WCL9
UniRef90_B8C8U9
UniRef90_R7QJX3
UniRef90_F0XZJ1
UniRef90_W7U8K2
UniRef90_G0U6P4
UniRef90_M0U5G0
UniRef90_Q4D5X2
UniRef90_C5LU36
UniRef90_S9X013
UniRef90_B3RJM4
UniRef90_J9IJT0
UniRef90_S9V6R4
UniRef90_I1INH6
UniRef90_F0VC81
UniRef90_W6KXS3
UniRef90_F4PSA2
UniRef90_H3GST0
UniRef90_A0CHK3
UniRef90_U6KTM1
UniRef90_A4HP23
UniRef90_D8M951
UniRef90_L8GHN7
UniRef90_UPI0002C3F32B
UniRef90_R1G4I0
UniRef90_Q6CGR2
UniRef90_V4C715
UniRef90_K1S249
UniRef90_A7AVF3
UniRef90_B4M2G4
UniRef90_F2T2W6
UniRef90_G0R3W3
UniRef90_UPI000359E33E
UniRef90_B0E8A8
UniRef90_Q01GQ0
UniRef90_L5JQN5
UniRef90_I7LUR8
UniRef90_Q5C0K5
UniRef90_G0QNN6
UniRef90_Q4YW66
UniRef90_J4C8N7
UniRef90_L1LBL3
UniRef90_A2EV08
UniRef90_Q4MZN7
UniRef90_T1J7J8
UniRef90_H3EZ40
UniRef90_S8CTW8
UniRef90_B6AAW2
UniRef90_Q5CW85
UniRef90_A0A023BBU4
UniRef90_K7TW92
UniRef90_M7C6V7
UniRef90_Q4UBV3
UniRef90_H0ZWF2
UniRef90_A0A059LIE2
UniRef90_UPI000462C4E3
UniRef90_G0UWI1
UniRef90_I7J5F9
UniRef90_UPI0004412B75
UniRef90_J0LG90
UniRef90_G5C053
UniRef90_B7PKR1
UniRef90_V6LQ88
UniRef90_G5A574
UniRef90_X6LUN3
UniRef90_H3E3K8
UniRef90_W9RJ04
UniRef90_C6LPC0
UniRef90_C4Y0J8
UniRef90_E9HVQ6
UniRef90_UPI000234F527
UniRef90_UPI0002652085
UniRef90_M7C9Z7
UniRef90_Q4X9B7
UniRef90_S9WPW6
UniRef90_F6H4R6
UniRef90_X6LTI8
UniRef90_E9C964
UniRef90_E5SPL0
UniRef90_A5B512
UniRef90_D7G8K6
UniRef90_X6MRT9

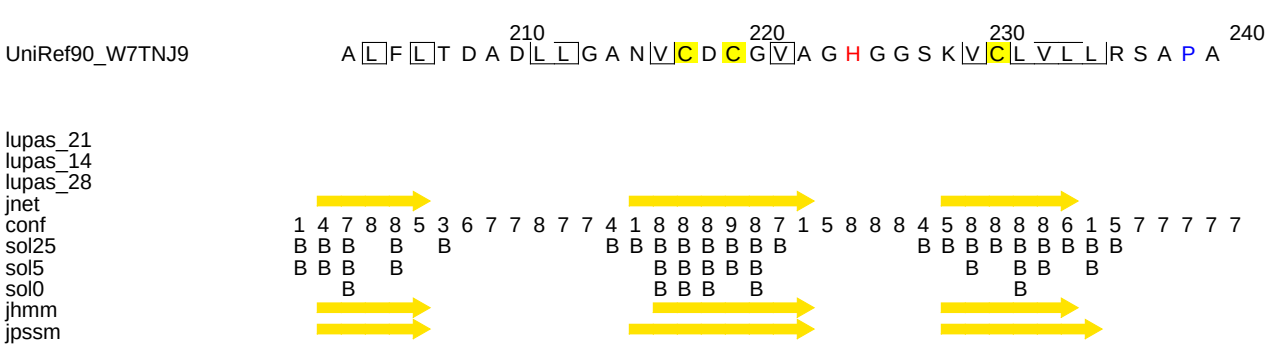

1
10
20
30
40
UniRef90_W7TNJ9
P I S P R P L E R H L I L E E L D V N P A N V
M R D D R H L C
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm
9 9 9 8 8 7 6 0 4 4 5 7 7 7 3 1 5 7 7 7 6 6 6 7 7 7 7 7 3 1 8 9 8 5 5 8 6 5 8 9
B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B

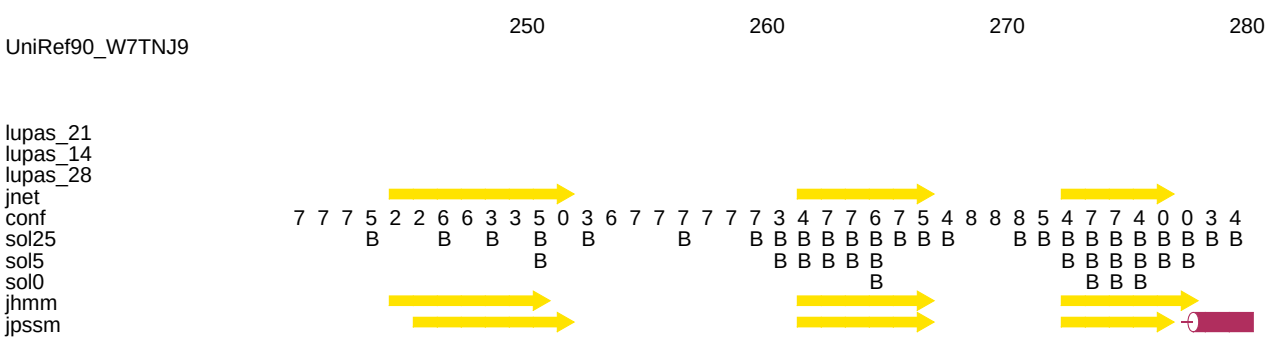

50
60
70
80
UniRef90_W7TNJ9 F R E E F S S T N E V A I V V L E G P S R R D R Y P F E A R S A I L V P S A L I
lupas_21
lupas_14
lupas_28
jnet
conf 9 9 7 1 5 8 8 8 4 5 8 8 8 7 5 3 6 7 7 7 6 6 6 4 6 7 7 7 6 4 1 2 1 5 7 7 7 4 4
sol25 B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B
sol5 B B 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 B B B
sol0 B B B B
jhmm
jpssm

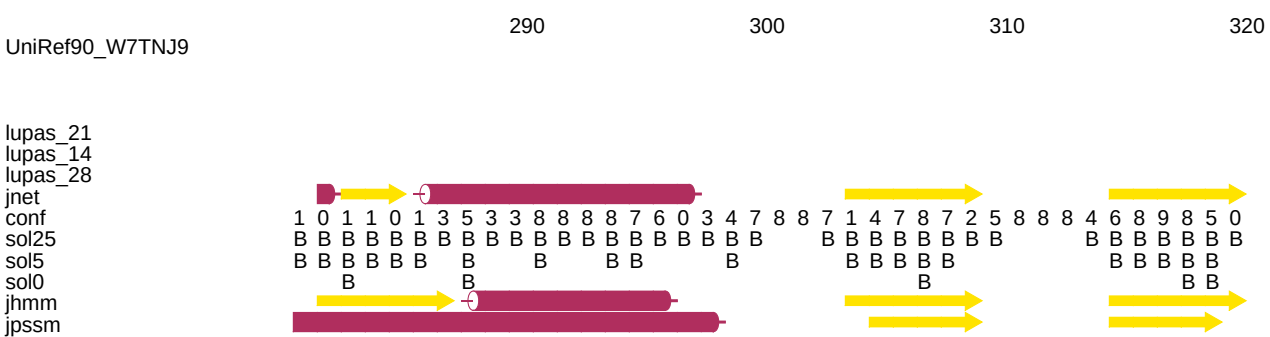

90
100
110
120
UniRef90_W7TNJ9
A C Y T L A N T L Q V Y D L V L R K S V A R Q P V Q T T L H F W R W L D R G C I
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm

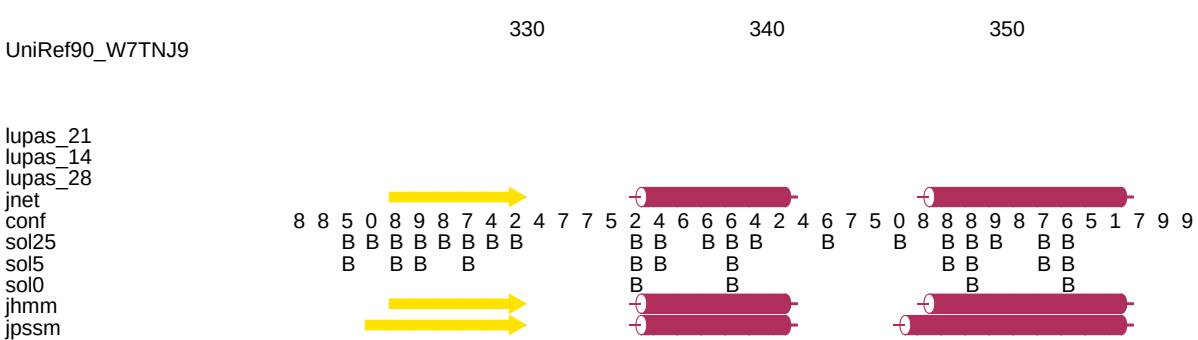

130
140
150
160
UniRef90_W7TNJ9
A L V T Q R S V F T W N L E G G S A P T K L F D R S S S G I D S K V R E Y C H S
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


170
180
190
200
UniRef90_W7TNJ9
V E T G W G V L T T V D S E Q C R L A I Q L H E F S T G K
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


210
220
230
240
UniRef90_W7TNJ9
A L F L T D A D L L G A N V C D C G V A G H G G S K V C L V L L R S A P A
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


250
260
270
280
UniRef90_W7TNJ9
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


290
300
310
320
UniRef90_W7TNJ9
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


330
340
350
UniRef90_W7TNJ9
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm