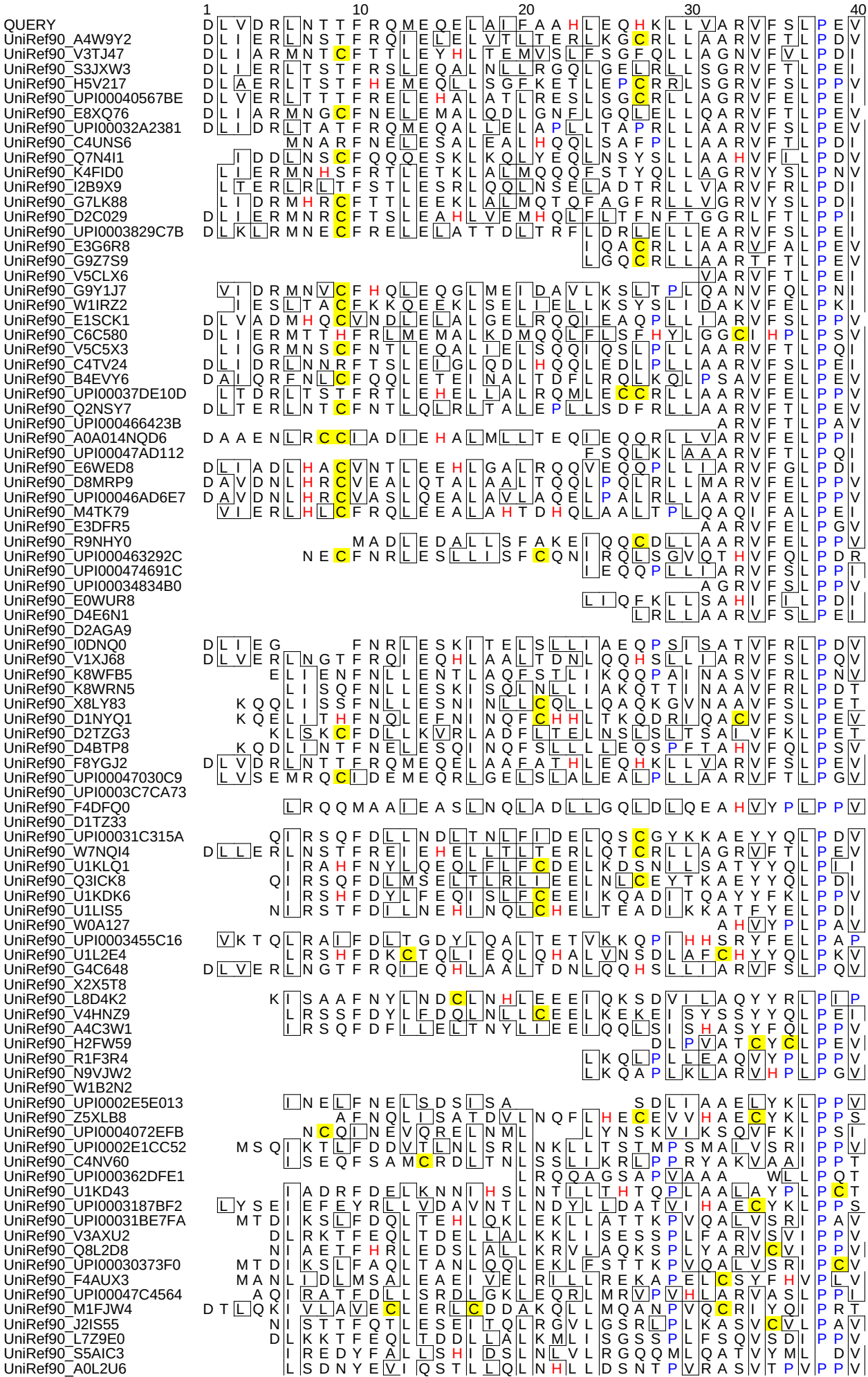
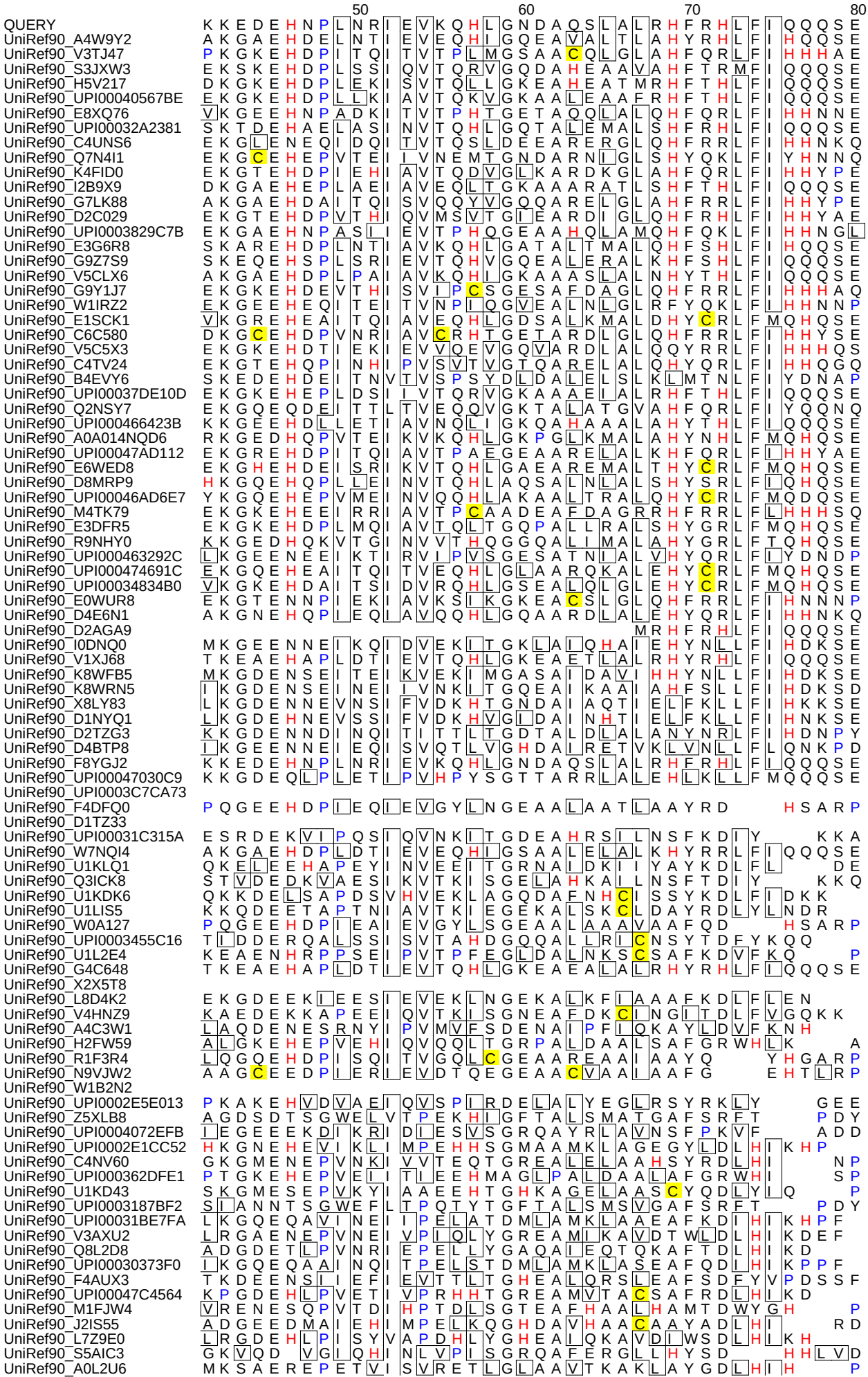
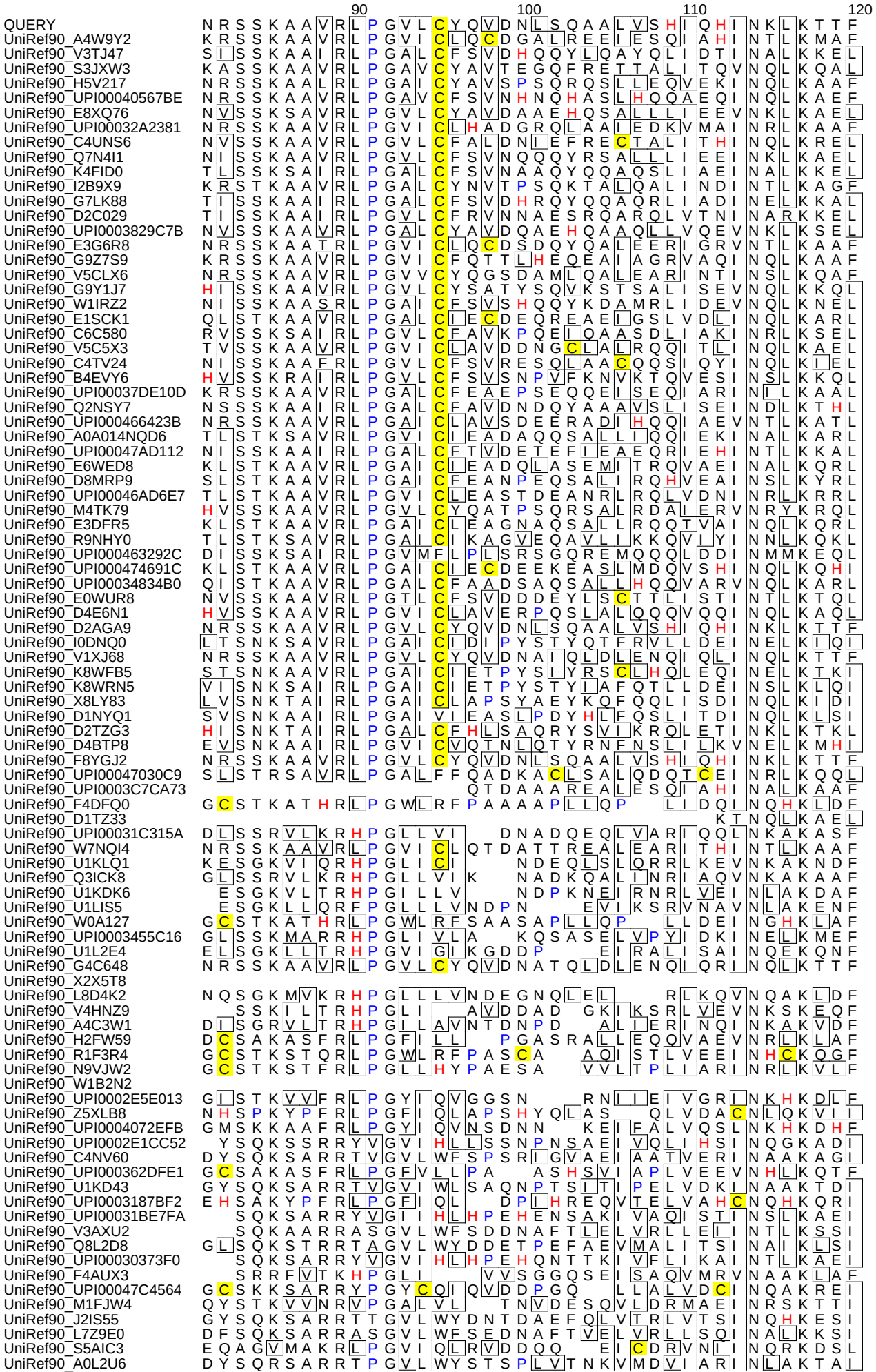
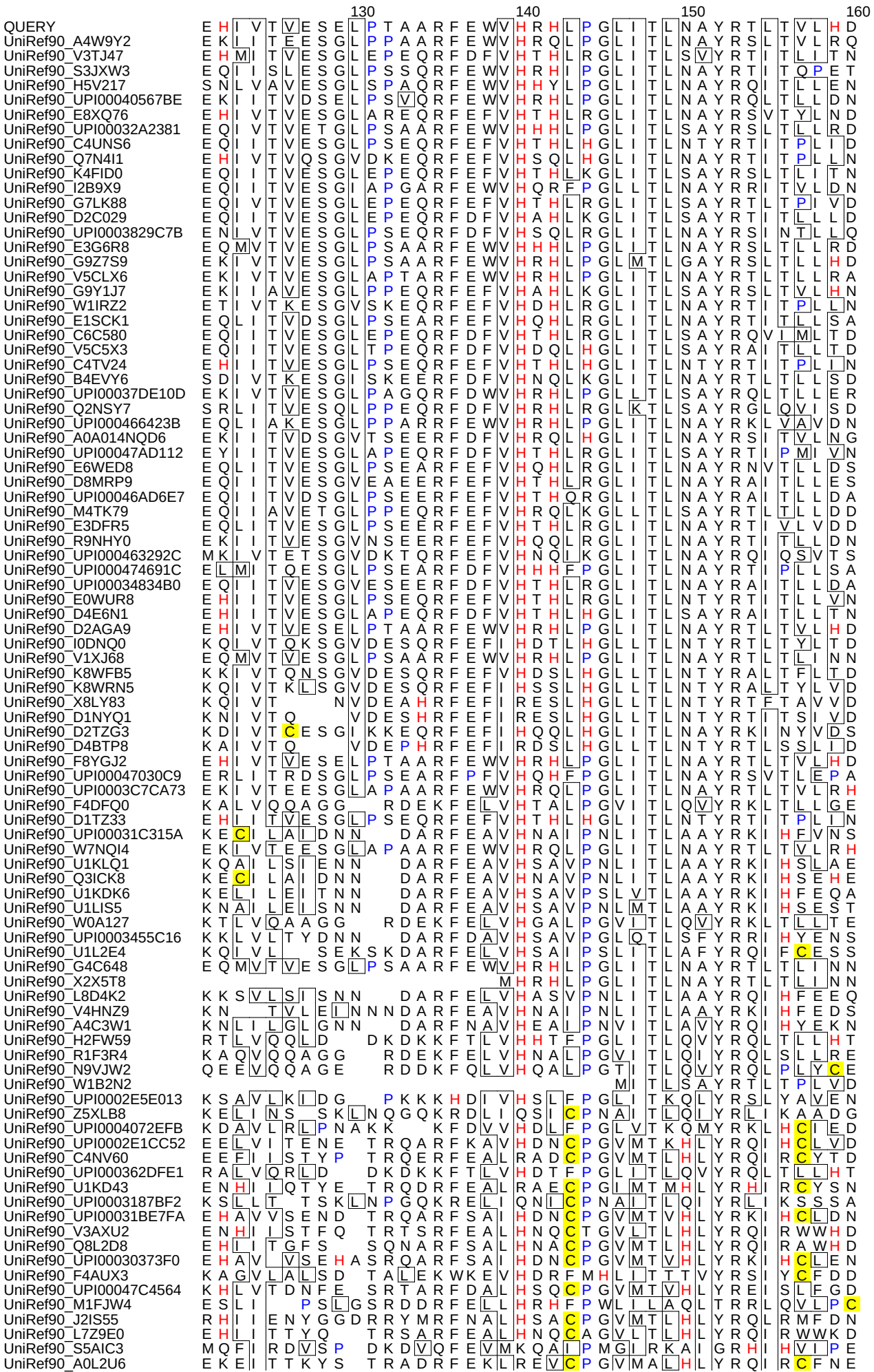
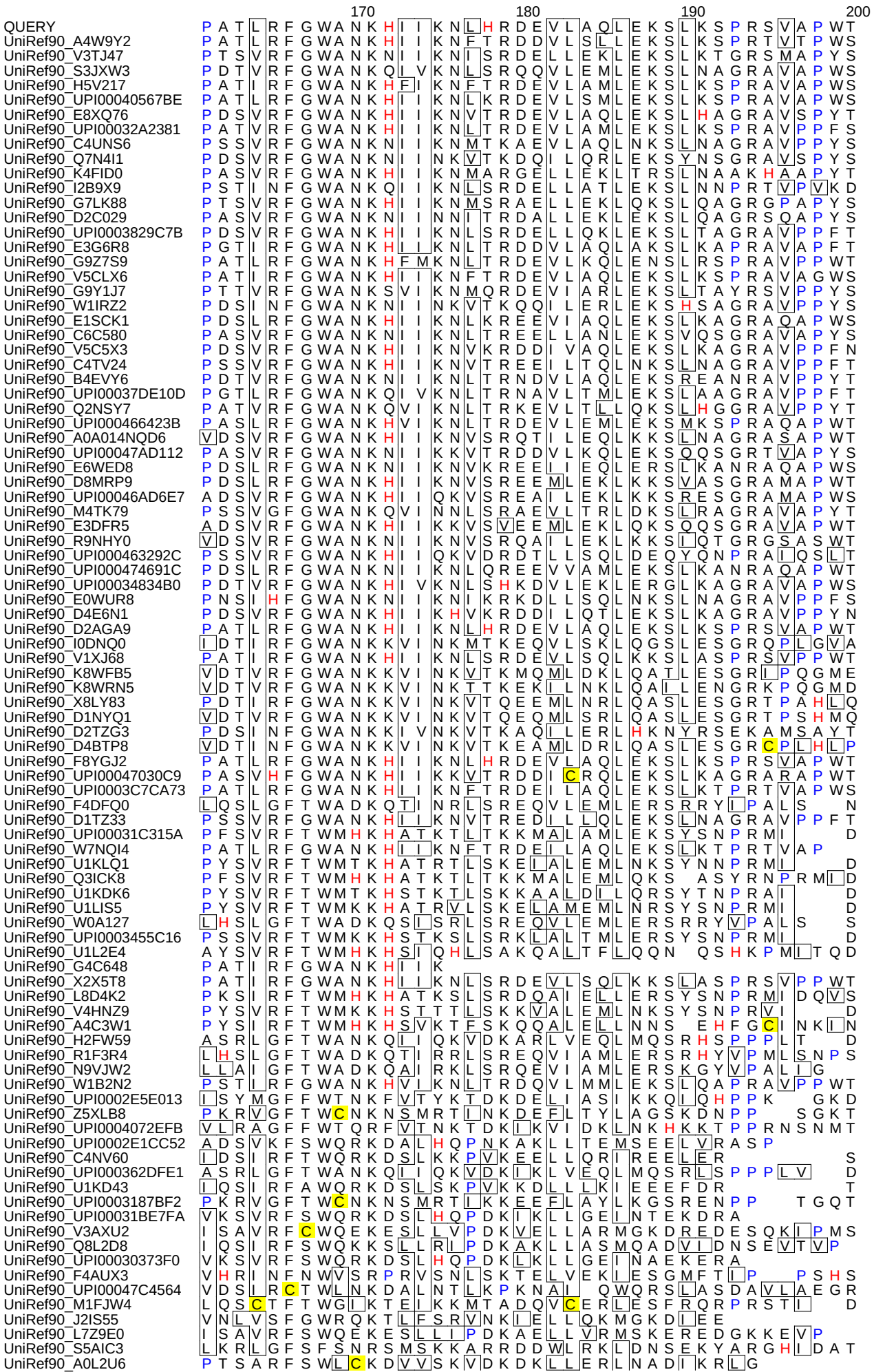
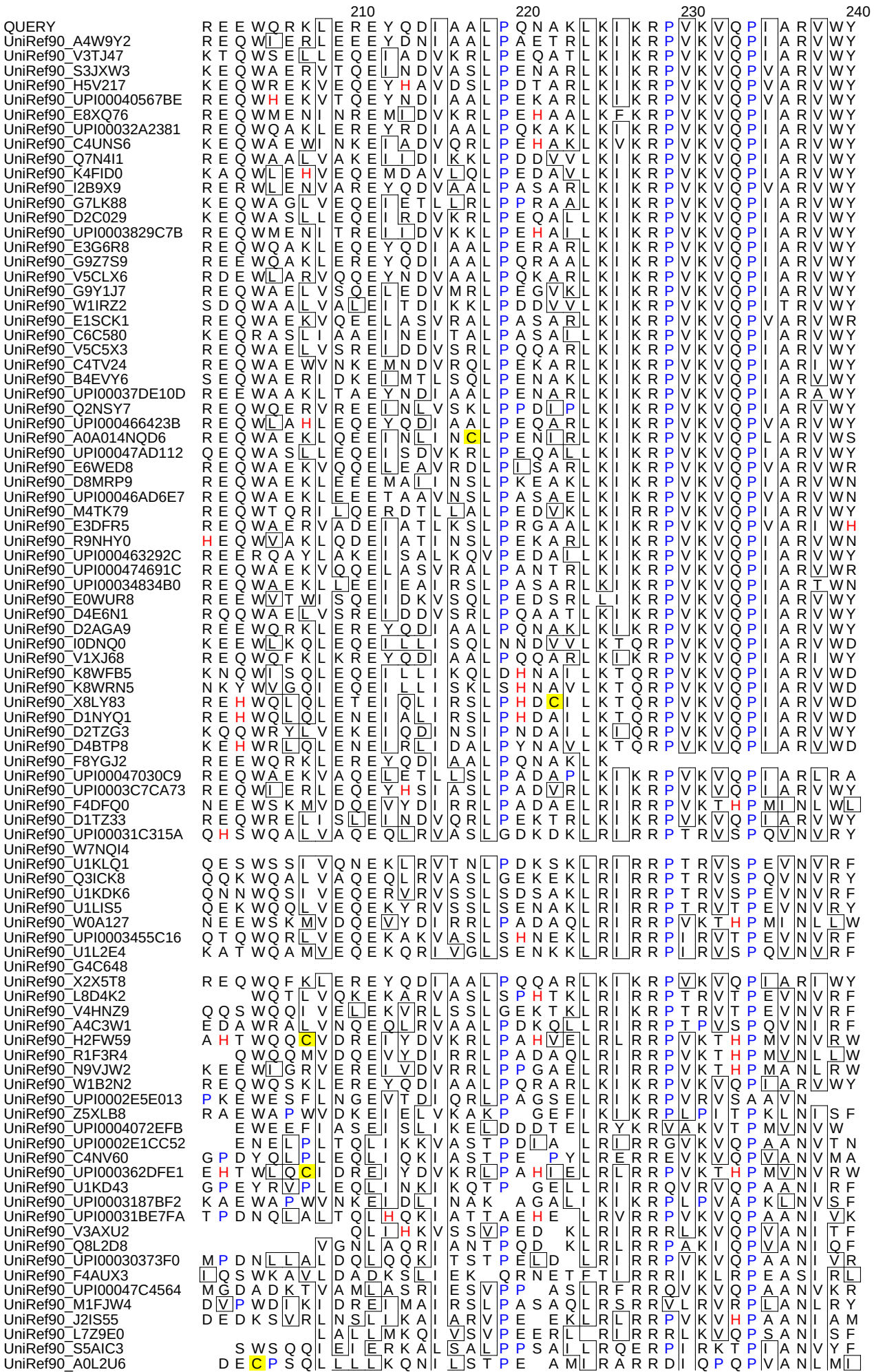

1
10
20
30
40
QUERY
UniRef90_A4W9Y2
UniRef90_V3TJ47
UniRef90_S3JXW3
UniRef90_H5V217
UniRef90_UPI00040567BE
UniRef90_E8XQ76
UniRef90_UPI00032A2381
UniRef90_C4UNS6
UniRef90_Q7N4I1
UniRef90_K4FID0
UniRef90_I2B9X9
UniRef90_G7LK88
UniRef90_D2C029
UniRef90_UPI0003829C7B
UniRef90_E3G6R8
UniRef90_G9Z7S9
UniRef90_V5CLX6
UniRef90_G9Y1J7
UniRef90_W1IRZ2
UniRef90_E1SCK1
UniRef90_C6C580
UniRef90_V5C5X3
UniRef90_C4TV24
UniRef90_B4EVY6
UniRef90_UPI00037DE10D
UniRef90_Q2NSY7
UniRef90_UPI000466423B
UniRef90_A0A014NQD6
UniRef90_UPI00047AD112
UniRef90_E6WED8
UniRef90_D8MRP9
UniRef90_UPI00046AD6E7
UniRef90_M4TK79
UniRef90_E3DFR5
UniRef90_R9NHY0
UniRef90_UPI000463292C
UniRef90_UPI000474691C
UniRef90_UPI00034834B0
UniRef90_E0WUR8
UniRef90_D4E6N1
UniRef90_D2AGA9
UniRef90_I0DNQ0
UniRef90_V1XJ68
UniRef90_K8WFB5
UniRef90_K8WRN5
UniRef90_X8LY83
UniRef90_D1NYQ1
UniRef90_D2TZG3
UniRef90_D4BTP8
UniRef90_F8YGJ2
UniRef90_UPI00047030C9
UniRef90_UPI0003C7CA73
UniRef90_F4DFQ0
UniRef90_D1TZ33
UniRef90_UPI00031C315A
UniRef90_W7NQI4
UniRef90_U1KLQ1
UniRef90_Q3ICK8
UniRef90_U1KDK6
UniRef90_U1LIS5
UniRef90_W0A127
UniRef90_UPI0003455C16
UniRef90_U1L2E4
UniRef90_G4C648
UniRef90_X2X5T8
UniRef90_L8D4K2
UniRef90_V4HNZ9
UniRef90_A4C3W1
UniRef90_H2FW59
UniRef90_R1F3R4
UniRef90_N9VJW2
UniRef90_W1B2N2
UniRef90_UPI0002E5E013
UniRef90_Z5XLB8
UniRef90_UPI0004072EFB
UniRef90_UPI0002E1CC52
UniRef90_C4NV60
UniRef90_UPI000362DFE1
UniRef90_U1KD43
UniRef90_UPI0003187BF2
UniRef90_UPI00031BE7FA
UniRef90_V3AXU2
UniRef90_Q8L2D8
UniRef90_UPI00030373F0
UniRef90_F4AUX3
UniRef90_UPI00047C4564
UniRef90_M1FJW4
UniRef90_J2IS55
UniRef90_L7Z9E0
UniRef90_S5AIC3
UniRef90_A0L2U6

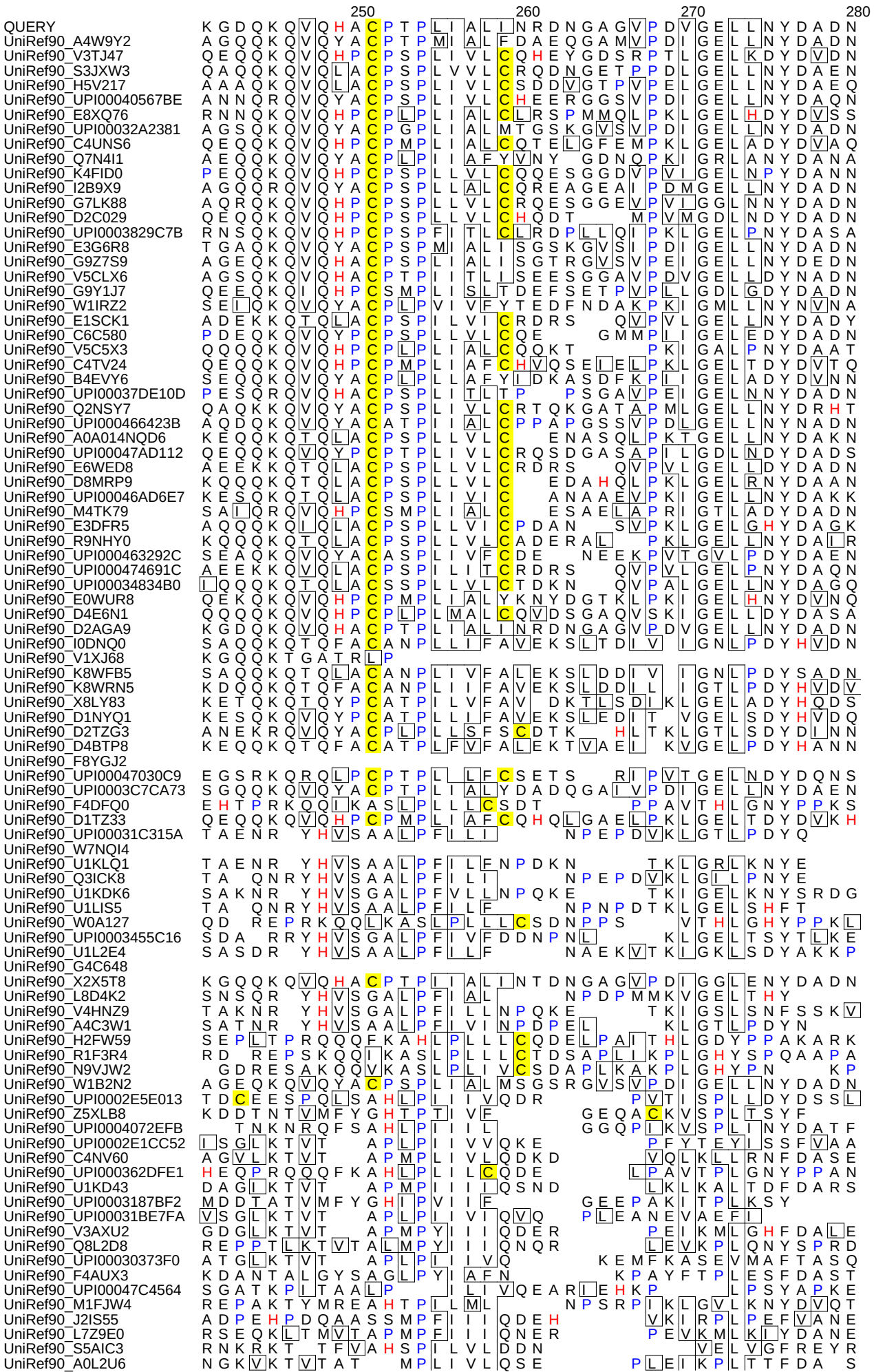

50
60
70
80
QUERY
UniRef90_A4W9Y2
UniRef90_V3TJ47
UniRef90_S3JXW3
UniRef90_H5V217
UniRef90_UPI00040567BE
UniRef90_E8XQ76
UniRef90_UPI00032A2381
UniRef90_C4UNS6
UniRef90_Q7N4I1
UniRef90_K4FID0
UniRef90_I2B9X9
UniRef90_G7LK88
UniRef90_D2C029
UniRef90_UPI0003829C7B
UniRef90_E3G6R8
UniRef90_G9Z7S9
UniRef90_V5CLX6
UniRef90_G9Y1J7
UniRef90_W1IRZ2
UniRef90_E1SCK1
UniRef90_C6C580
UniRef90_V5C5X3
UniRef90_C4TV24
UniRef90_B4EVY6
UniRef90_UPI00037DE10D
UniRef90_Q2NSY7
UniRef90_UPI000466423B
UniRef90_A0A014NQD6
UniRef90_UPI00047AD112
UniRef90_E6WED8
UniRef90_D8MRP9
UniRef90_UPI00046AD6E7
UniRef90_M4TK79
UniRef90_E3DFR5
UniRef90_R9NHY0
UniRef90_UPI000463292C
UniRef90_UPI000474691C
UniRef90_UPI00034834B0
UniRef90_E0WUR8
UniRef90_D4E6N1
UniRef90_D2AGA9
UniRef90_I0DNQ0
UniRef90_V1XJ68
UniRef90_K8WFB5
UniRef90_K8WRN5
UniRef90_X8LY83
UniRef90_D1NYQ1
UniRef90_D2TZG3
UniRef90_D4BTP8
UniRef90_F8YGJ2
UniRef90_UPI00047030C9
UniRef90_UPI0003C7CA73
UniRef90_F4DFQ0
UniRef90_D1TZ33
UniRef90_UPI00031C315A
UniRef90_W7NQI4
UniRef90_U1KLQ1
UniRef90_Q3ICK8
UniRef90_U1KDK6
UniRef90_U1LIS5
UniRef90_W0A127
UniRef90_UPI0003455C16
UniRef90_U1L2E4
UniRef90_G4C648
UniRef90_X2X5T8
UniRef90_L8D4K2
UniRef90_V4HNZ9
UniRef90_A4C3W1
UniRef90_H2FW59
UniRef90_R1F3R4
UniRef90_N9VJW2
UniRef90_W1B2N2
UniRef90_UPI0002E5E013
UniRef90_Z5XLB8
UniRef90_UPI0004072EFB
UniRef90_UPI0002E1CC52
UniRef90_C4NV60
UniRef90_UPI000362DFE1
UniRef90_U1KD43
UniRef90_UPI0003187BF2
UniRef90_UPI00031BE7FA
UniRef90_V3AXU2
UniRef90_Q8L2D8
UniRef90_UPI00030373F0
UniRef90_F4AUX3
UniRef90_UPI00047C4564
UniRef90_M1FJW4
UniRef90_J2IS55
UniRef90_L7Z9E0
UniRef90_S5AIC3
UniRef90_A0L2U6

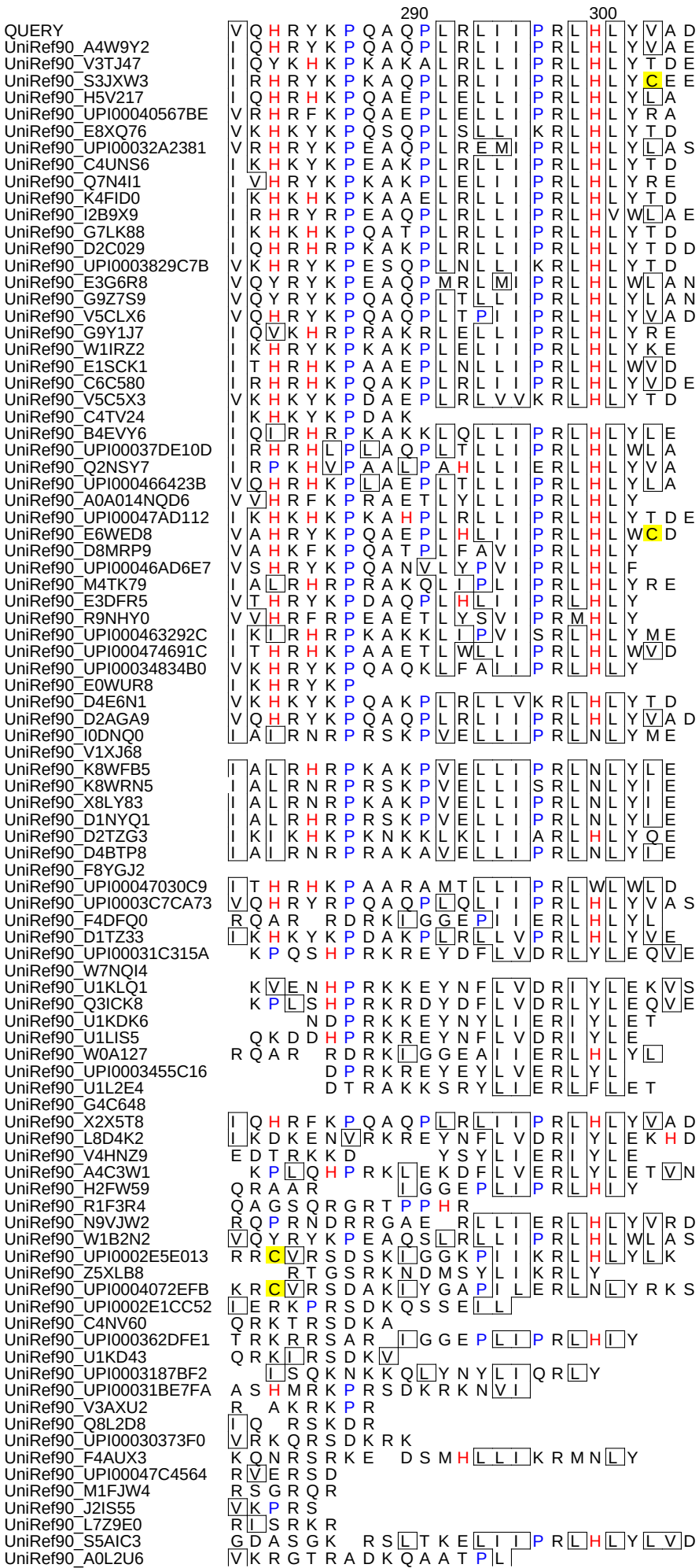

90
100
110
120
QUERY
UniRef90_A4W9Y2
UniRef90_V3TJ47
UniRef90_S3JXW3
UniRef90_H5V217
UniRef90_UPI00040567BE
UniRef90_E8XQ76
UniRef90_UPI00032A2381
UniRef90_C4UNS6
UniRef90_Q7N4I1
UniRef90_K4FID0
UniRef90_I2B9X9
UniRef90_G7LK88
UniRef90_D2C029
UniRef90_UPI0003829C7B
UniRef90_E3G6R8
UniRef90_G9Z7S9
UniRef90_V5CLX6
UniRef90_G9Y1J7
UniRef90_W1IRZ2
UniRef90_E1SCK1
UniRef90_C6C580
UniRef90_V5C5X3
UniRef90_C4TV24
UniRef90_B4EVY6
UniRef90_UPI00037DE10D
UniRef90_Q2NSY7
UniRef90_UPI000466423B
UniRef90_A0A014NQD6
UniRef90_UPI00047AD112
UniRef90_E6WED8
UniRef90_D8MRP9
UniRef90_UPI00046AD6E7
UniRef90_M4TK79
UniRef90_E3DFR5
UniRef90_R9NHY0
UniRef90_UPI000463292C
UniRef90_UPI000474691C
UniRef90_UPI00034834B0
UniRef90_E0WUR8
UniRef90_D4E6N1
UniRef90_D2AGA9
UniRef90_I0DNQ0
UniRef90_V1XJ68
UniRef90_K8WFB5
UniRef90_K8WRN5
UniRef90_X8LY83
UniRef90_D1NYQ1
UniRef90_D2TZG3
UniRef90_D4BTP8
UniRef90_F8YGJ2
UniRef90_UPI00047030C9
UniRef90_UPI0003C7CA73
UniRef90_F4DFQ0
UniRef90_D1TZ33
UniRef90_UPI00031C315A
UniRef90_W7NQI4
UniRef90_U1KLQ1
UniRef90_Q3ICK8
UniRef90_U1KDK6
UniRef90_U1LIS5
UniRef90_W0A127
UniRef90_UPI0003455C16
UniRef90_U1L2E4
UniRef90_G4C648
UniRef90_X2X5T8
UniRef90_L8D4K2
UniRef90_V4HNZ9
UniRef90_A4C3W1
UniRef90_H2FW59
UniRef90_R1F3R4
UniRef90_N9VJW2
UniRef90_W1B2N2
UniRef90_UPI0002E5E013
UniRef90_Z5XLB8
UniRef90_UPI0004072EFB
UniRef90_UPI0002E1CC52
UniRef90_C4NV60
UniRef90_UPI000362DFE1
UniRef90_U1KD43
UniRef90_UPI0003187BF2
UniRef90_UPI00031BE7FA
UniRef90_V3AXU2
UniRef90_Q8L2D8
UniRef90_UPI00030373F0
UniRef90_F4AUX3
UniRef90_UPI00047C4564
UniRef90_M1FJW4
UniRef90_J2IS55
UniRef90_L7Z9E0
UniRef90_S5AIC3
UniRef90_A0L2U6

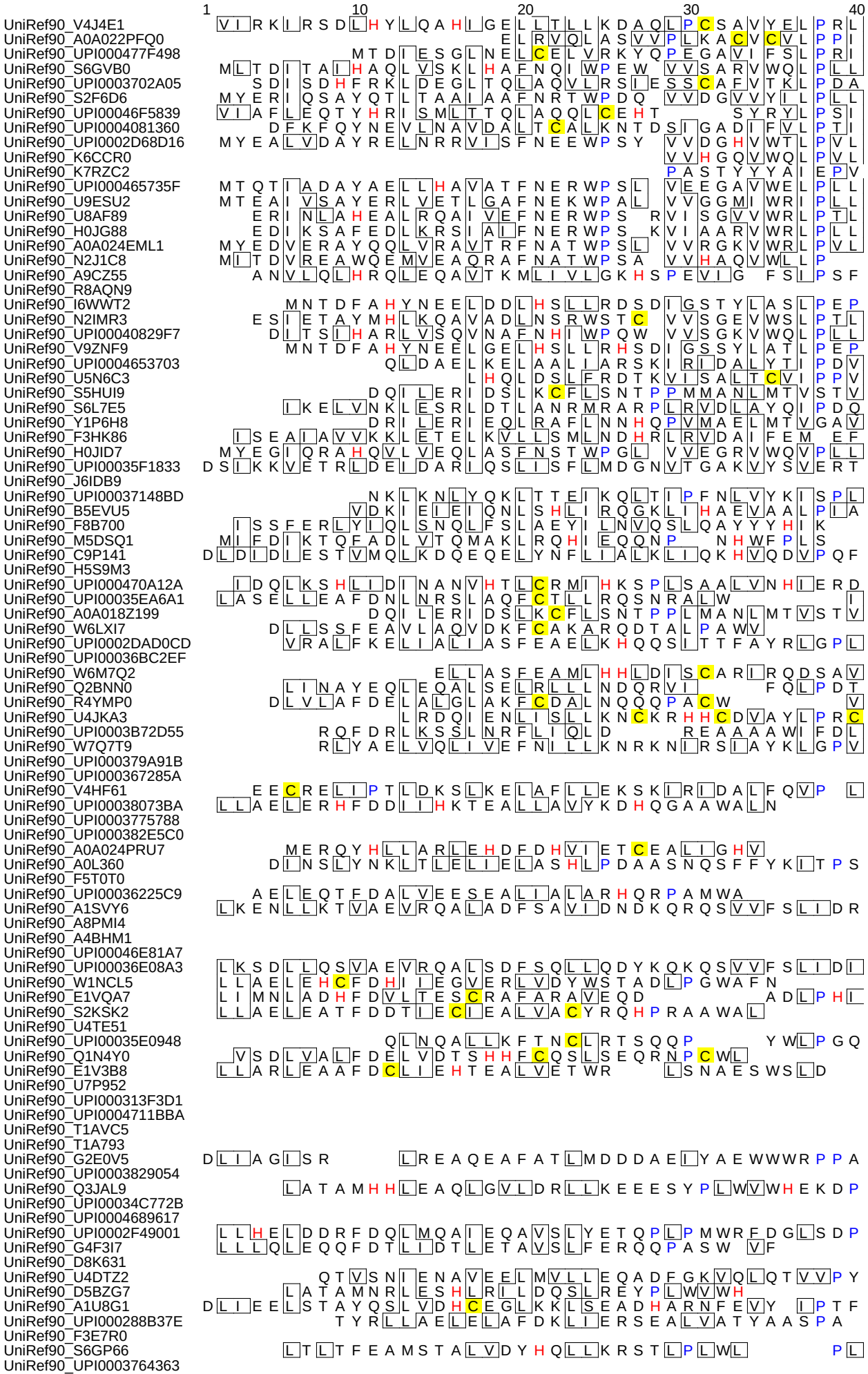

130
140
150
160
QUERY
UniRef90_A4W9Y2
UniRef90_V3TJ47
UniRef90_S3JXW3
UniRef90_H5V217
UniRef90_UPI00040567BE
UniRef90_E8XQ76
UniRef90_UPI00032A2381
UniRef90_C4UNS6
UniRef90_Q7N4I1
UniRef90_K4FID0
UniRef90_I2B9X9
UniRef90_G7LK88
UniRef90_D2C029
UniRef90_UPI0003829C7B
UniRef90_E3G6R8
UniRef90_G9Z7S9
UniRef90_V5CLX6
UniRef90_G9Y1J7
UniRef90_W1IRZ2
UniRef90_E1SCK1
UniRef90_C6C580
UniRef90_V5C5X3
UniRef90_C4TV24
UniRef90_B4EVY6
UniRef90_UPI00037DE10D
UniRef90_Q2NSY7
UniRef90_UPI000466423B
UniRef90_A0A014NQD6
UniRef90_UPI00047AD112
UniRef90_E6WED8
UniRef90_D8MRP9
UniRef90_UPI00046AD6E7
UniRef90_M4TK79
UniRef90_E3DFR5
UniRef90_R9NHY0
UniRef90_UPI000463292C
UniRef90_UPI000474691C
UniRef90_UPI00034834B0
UniRef90_E0WUR8
UniRef90_D4E6N1
UniRef90_D2AGA9
UniRef90_I0DNQ0
UniRef90_V1XJ68
UniRef90_K8WFB5
UniRef90_K8WRN5
UniRef90_X8LY83
UniRef90_D1NYQ1
UniRef90_D2TZG3
UniRef90_D4BTP8
UniRef90_F8YGJ2
UniRef90_UPI00047030C9
UniRef90_UPI0003C7CA73
UniRef90_F4DFQ0
UniRef90_D1TZ33
UniRef90_UPI00031C315A
UniRef90_W7NQI4
UniRef90_U1KLQ1
UniRef90_Q3ICK8
UniRef90_U1KDK6
UniRef90_U1LIS5
UniRef90_W0A127
UniRef90_UPI0003455C16
UniRef90_U1L2E4
UniRef90_G4C648
UniRef90_X2X5T8
UniRef90_L8D4K2
UniRef90_V4HNZ9
UniRef90_A4C3W1
UniRef90_H2FW59
UniRef90_R1F3R4
UniRef90_N9VJW2
UniRef90_W1B2N2
UniRef90_UPI0002E5E013
UniRef90_Z5XLB8
UniRef90_UPI0004072EFB
UniRef90_UPI0002E1CC52
UniRef90_C4NV60
UniRef90_UPI000362DFE1
UniRef90_U1KD43
UniRef90_UPI0003187BF2
UniRef90_UPI00031BE7FA
UniRef90_V3AXU2
UniRef90_Q8L2D8
UniRef90_UPI00030373F0
UniRef90_F4AUX3
UniRef90_UPI00047C4564
UniRef90_M1FJW4
UniRef90_J2IS55
UniRef90_L7Z9E0
UniRef90_S5AIC3
UniRef90_A0L2U6

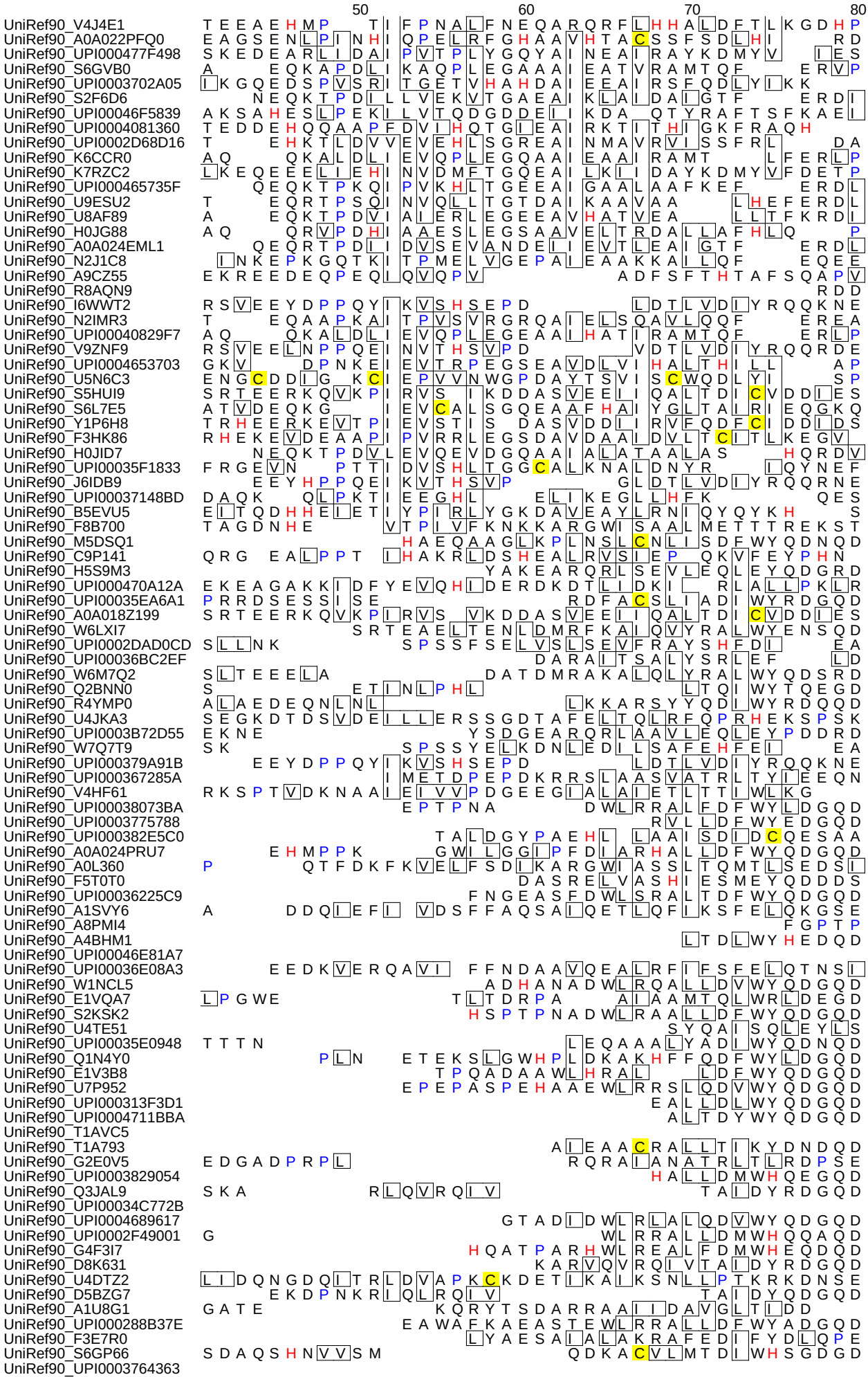

170
180
190
200
QUERY
UniRef90_A4W9Y2
UniRef90_V3TJ47
UniRef90_S3JXW3
UniRef90_H5V217
UniRef90_UPI00040567BE
UniRef90_E8XQ76
UniRef90_UPI00032A2381
UniRef90_C4UNS6
UniRef90_Q7N4I1
UniRef90_K4FID0
UniRef90_I2B9X9
UniRef90_G7LK88
UniRef90_D2C029
UniRef90_UPI0003829C7B
UniRef90_E3G6R8
UniRef90_G9Z7S9
UniRef90_V5CLX6
UniRef90_G9Y1J7
UniRef90_W1IRZ2
UniRef90_E1SCK1
UniRef90_C6C580
UniRef90_V5C5X3
UniRef90_C4TV24
UniRef90_B4EVY6
UniRef90_UPI00037DE10D
UniRef90_Q2NSY7
UniRef90_UPI000466423B
UniRef90_A0A014NQD6
UniRef90_UPI00047AD112
UniRef90_E6WED8
UniRef90_D8MRP9
UniRef90_UPI00046AD6E7
UniRef90_M4TK79
UniRef90_E3DFR5
UniRef90_R9NHY0
UniRef90_UPI000463292C
UniRef90_UPI000474691C
UniRef90_UPI00034834B0
UniRef90_E0WUR8
UniRef90_D4E6N1
UniRef90_D2AGA9
UniRef90_I0DNQ0
UniRef90_V1XJ68
UniRef90_K8WFB5
UniRef90_K8WRN5
UniRef90_X8LY83
UniRef90_D1NYQ1
UniRef90_D2TZG3
UniRef90_D4BTP8
UniRef90_F8YGJ2
UniRef90_UPI00047030C9
UniRef90_UPI0003C7CA73
UniRef90_F4DFQ0
UniRef90_D1TZ33
UniRef90_UPI00031C315A
UniRef90_W7NQI4
UniRef90_U1KLQ1
UniRef90_Q3ICK8
UniRef90_U1KDK6
UniRef90_U1LIS5
UniRef90_W0A127
UniRef90_UPI0003455C16
UniRef90_U1L2E4
UniRef90_G4C648
UniRef90_X2X5T8
UniRef90_L8D4K2
UniRef90_V4HNZ9
UniRef90_A4C3W1
UniRef90_H2FW59
UniRef90_R1F3R4
UniRef90_N9VJW2
UniRef90_W1B2N2
UniRef90_UPI0002E5E013
UniRef90_Z5XLB8
UniRef90_UPI0004072EFB
UniRef90_UPI0002E1CC52
UniRef90_C4NV60
UniRef90_UPI000362DFE1
UniRef90_U1KD43
UniRef90_UPI0003187BF2
UniRef90_UPI00031BE7FA
UniRef90_V3AXU2
UniRef90_Q8L2D8
UniRef90_UPI00030373F0
UniRef90_F4AUX3
UniRef90_UPI00047C4564
UniRef90_M1FJW4
UniRef90_J2IS55
UniRef90_L7Z9E0
UniRef90_S5AIC3
UniRef90_A0L2U6

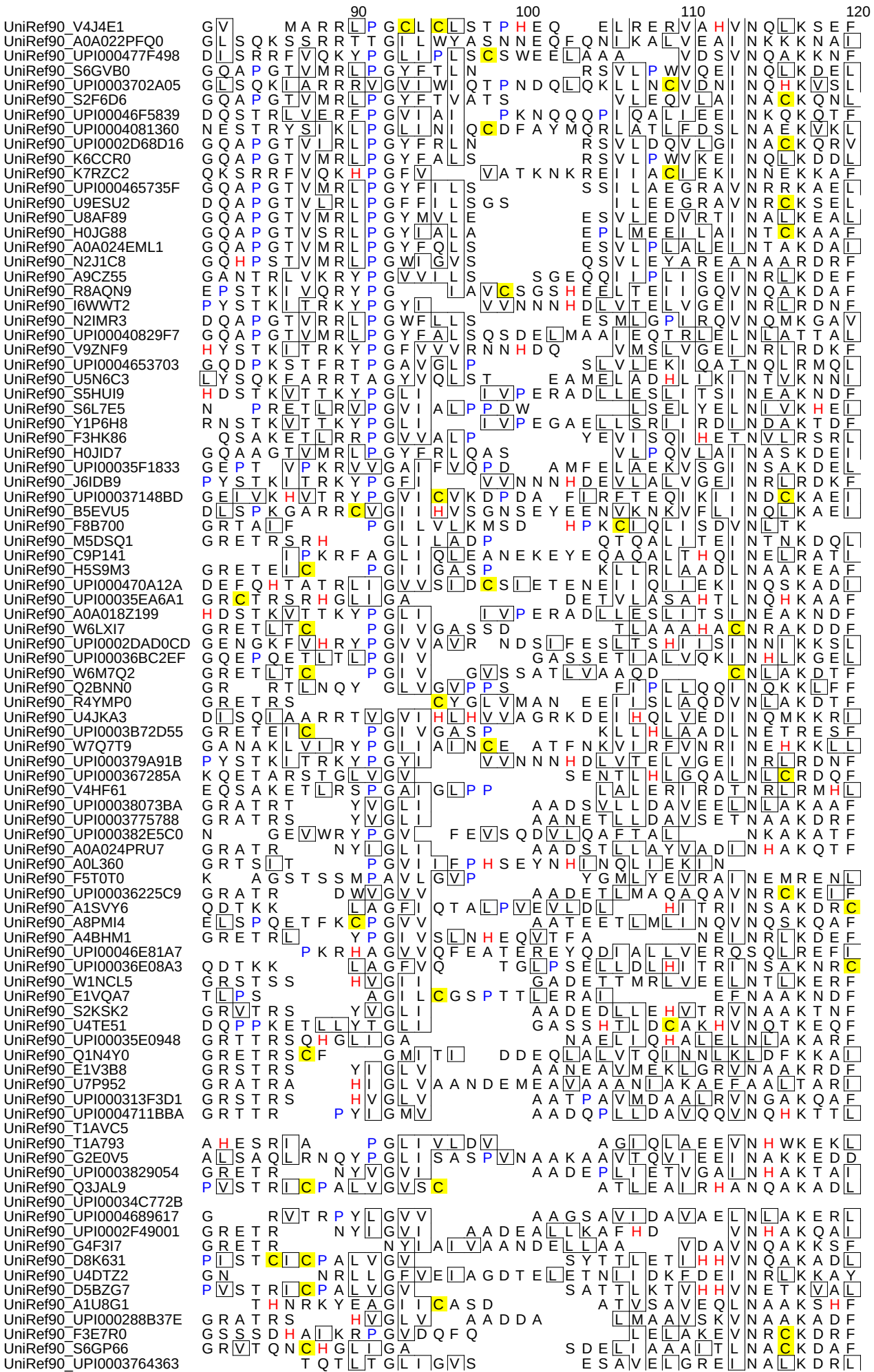

210
220
230
240
QUERY R E E W Q R K L E R E Y Q D I A A L P Q N A K L K I K R P V K V Q P I A R V W Y
UniRef90_A4W9Y2 R E Q W I E R L E E E Y D N I A A L P A E T R L K I K R P V K V Q P I A R V W Y
UniRef90_V3TJ47 K T Q W S E L L E Q E I A D V K R L P E Q A T L K I K R P V K V Q P I A R V W Y
UniRef90_S3JXW3 K E Q W A E R V T Q E I N D V A S L P E N A R L K I K R P V K V Q P V A R V W Y
UniRef90_H5V217 K E Q W R E K V E Q E Y H A V D S L P D T A R L K I K R P V K V Q P V A R V W Y
UniRef90_UPI00040567BE R E Q W H E K V T Q E Y N D I A A L P E K A R L K I K R P V K V Q P V A R V W Y
UniRef90_E8XQ76 R E Q W M E N I N R E M I D V K R L P E H A A L K F K R P V K V Q P I A R V W Y
UniRef90_UPI00032A2381 R E Q W Q A K L E R E Y R D I A A L P Q K A K L K I K R P V K V Q P I A R V W Y
UniRef90_C4UNS6 K E Q W A E W I N K E I A D V Q R L P E H A K L K V K R P V K V Q P I A R V W Y
UniRef90_Q7N4I1 R E Q W A A L V A K E I I D I K K L P D D V V L K I K R P V K V Q P I A R V W Y
UniRef90_K4FID0 K A Q W L E H V E Q E M D A V L Q L P E D A V L K I K R P V K V Q P I A R V W Y
UniRef90_I2B9X9 R E R W L E N V A R E Y Q D V A A L P A S A R L K I K R P V K V Q P V A R V W Y
UniRef90_G7LK88 K E Q W A G L V E Q E I E T L L R L P P R A A L K I K R P V K V Q P I A R V W Y
UniRef90_D2C029 K E Q W A S L L E Q E I R D V K R L P E Q A L L K I K R P V K V Q P I A R V W Y
UniRef90_UPI0003829C7B R E Q W M E N I T R E I I D V K K L P E H A I L K I K R P V K V Q P I A R V W Y
UniRef90_E3G6R8 R E Q W Q A K L E Q E Y Q D I A A L P E R A R L K I K R P V K V Q P I A R V W Y
UniRef90_G9Z7S9 R E E W Q A K L E R E Y Q D I A A L P Q R A A L K I K R P V K V Q P I A R V W Y
UniRef90_V5CLX6 R D E W L A R V Q Q E Y N D V A A L P Q K A R L K I K R P V K V Q P I A R V W Y
UniRef90_G9Y1J7 R E Q W A E L V S Q E L E D V M R L P E G V K L K I K R P V K V Q P I A R V W Y
UniRef90_W1IRZ2 S D Q W A A L V A L E I T D I K K L P D D V V L K I K R P V K V Q P I T R V W Y
UniRef90_E1SCK1 R E Q W A E K V Q E E L A S V R A L P A S A R L K I K R P V K V Q P V A R V W R
UniRef90_C6C580 K E Q R A S L I A A E I N E I T A L P A S A I L K I K R P V K V Q P I A R V W Y
UniRef90_V5C5X3 R E Q W A E L V S R E I D D V S R L P Q Q A R L K I K R P V K V Q P I A R V W Y
UniRef90_C4TV24 R E Q W A E W V N K E M N D V R Q L P E K A R L K I K R P V K V Q P I A R I W Y
UniRef90_B4EVY6 S E Q W A E R I D K E I M T L S Q L P E N A K L K I K R P V K V Q P I A R V W Y
UniRef90_UPI00037DE10D R E E W A A K L T A E Y N D I A A L P E N A R L K I K R P V K V Q P I A R A W Y
UniRef90_Q2NSY7 R E Q W Q E R V R E E I N L V S K L P P D I P L K I K R P V K V Q P I A R V W Y
UniRef90_UPI000466423B R E Q W L A H L E Q E Y Q D I A A L P E Q A R L K I K R P V K V Q P V A R V W Y
UniRef90_A0A014NQD6 R E Q W A E K L Q E E I N L I N C L P E N I R L K I K R P V K V Q P L A R V W S
UniRef90_UPI00047AD112 Q E Q W A S L L E Q E I S D V K R L P E Q A L L K I K R P V K V Q P I A R V W Y
UniRef90_E6WED8 R E Q W A E K V Q Q E L E A V R D L P I S A R L K I K R P V K V Q P V A R V W R
UniRef90_D8MRP9 R E Q W A E K L E E M A I I N S L P K E A K L K I K R P V K V Q P I A R V W N
UniRef90_UPI00046AD6E7 R E Q W A E K L E E E T A A V N S L P A S A E L K I K R P V K V Q P V A R V W N
UniRef90_M4TK79 R E Q W T Q R I L Q E R D T L L A L P E D V K L K I R R P V K V Q P I A R V W Y
UniRef90_E3DFR5 R E Q W A E R V A D E I A T L K S L P R G A A L K I K R P V K V Q P V A R I W H
UniRef90_R9NHY0 H E Q W V A K L Q D E I A T I N S L P E K A R L K I K R P V K V Q P I A R V W N
UniRef90_UPI000463292C R E E R Q A Y L A K E I S A L K Q V P E D A I L K I K R P V K V Q P I A R V W Y
UniRef90_UPI000474691C R E Q W A E K V Q Q E L A S V R A L P A N T R L K I K R P V K V Q P I A R V W R
UniRef90_UPI00034834B0 R E Q W A E K L L E E I E A I R S L P A S A R L K I K R P V K V Q P I A R T W N
UniRef90_E0WUR8 R E E W V T W I S Q E I D K V S Q L P E D S R L L I K R P V K V Q P I A R V W Y
UniRef90_D4E6N1 R Q Q W A E L V S R E I D D V S R L P Q A A T L K I K R P V K V Q P I A R V W Y
UniRef90_D2AGA9 R E E W Q R K L E R E Y Q D I A A L P Q N A K L K I K R P V K V Q P I A R V W Y
UniRef90_I0DNQ0 K E E W L K Q L E Q E I L L I S Q L N N D V V L K T Q R P V K V Q P I A R V W D
UniRef90_V1XJ68 R E Q W Q F K L K R E Y Q D I A A L P Q Q A R L K I K R P V K V Q P I A R I W Y
UniRef90_K8WFB5 K N Q W I S Q L E Q E I L L I K Q L D H N A I L K T Q R P V K V Q P I A R V W D
UniRef90_K8WRN5 N K Y W V G Q I E Q E I L L I S K L S H N A V L K T Q R P V K V Q P I A R V W D
UniRef90_X8LY83 R E H W Q L Q L E T E I Q L I R S L P H D C I L K T Q R P V K V Q P I A R V W D
UniRef90_D1NYQ1 R E H W Q L Q L E N E I A L I R S L P H D A I L K T Q R P V K V Q P I A R V W D
UniRef90_D2TZG3 K Q Q W R Y L V E K E I Q D I N S I P N D A I L K I Q R P V K V Q P I A R V W Y
UniRef90_D4BTP8 K E H W R L Q L E N E I R L I D A L P Y N A V L K T Q R P V K V Q P I A R V W D
UniRef90_F8YGJ2 R E E W Q R K L E R E Y Q D I A A L P Q N A K L K
UniRef90_UPI00047030C9 R E Q W A E K V A Q E L E T L L S L P A D A P L K I K R P V K V Q P I A R L R A
UniRef90_UPI0003C7CA73 R E Q W I E R L E Q E Y H S I A S L P A D V R L K I K R P V K V Q P I A R V W Y
UniRef90_F4DFQ0 N E E W S K M V D Q E V Y D I R R L P A D A E L R I R R P V K T H P M I N L W L
UniRef90_D1TZ33 R E Q W R E L I S L E I N D V Q R L P E K T R L K I K R P V K V Q P I A R V W Y
UniRef90_UPI00031C315A Q H S W Q A L V A Q E Q L R V A S L G D K D K L R I R R P T R V S P Q V N V R Y
UniRef90_W7NQI4
UniRef90_U1KLQ1 Q E S W S S I V Q N E K L R V T N L P D K S K L R I R R P T R V S P E V N V R F
UniRef90_Q3ICK8 Q Q K W Q A L V A Q E Q L R V A S L G E K E K L R I R R P T R V S P Q V N V R Y
UniRef90_U1KDK6 Q N N W Q S I V E Q E R V R V S S L S D S A K L R I R R P T R V S P E V N V R F
UniRef90_U1LIS5 Q E K W Q Q L V E Q E K Y R V S S L S E N A K L R I R R P T R V T P E V N V R Y
UniRef90_W0A127 N E E W S K M V D Q E V Y D I R R L P A D A Q L R I R R P V K T H P M I N L L W
UniRef90_UPI0003455C16 Q T Q W Q R L V E Q E K A K V A S L S H N E K L R I R R P I R V T P E V N V R F
UniRef90_U1L2E4 K A T W Q A M V E Q E K Q R I V G L S E N K K L R I R R P I R V S P Q V N V R F
UniRef90_G4C648
UniRef90_X2X5T8 R E Q W Q F K L E R E Y Q D I A A L P Q Q A R L K I K R P V K V Q P I A R I W Y
UniRef90_L8D4K2 W Q T L V Q K E K A R V A S L S P H T K L R I R R P T R V T P E V N V R F
UniRef90_V4HNZ9 Q Q S W Q Q I V E L E K V R L S S L G E K T K L R I K R P T R V T P E V N V R F
UniRef90_A4C3W1 E D A W R A L V N Q E Q L R V A A L P D K Q L R I R R P T P V S P Q V N I R F
UniRef90_H2FW59 A H T W Q Q C V D R E I Y D V K R L P A H V E L R L R R P V K T H P M V N V R W
UniRef90_R1F3R4 Q W Q Q M V D Q E V Y D I R R L P A D A Q L R I R R P V K T H P M V N L L W
UniRef90_N9VJW2 K E E W I G R V E R E I V D V R R L P P G A E L R I R R P V K T H P M A N L R W
UniRef90_W1B2N2 R E Q W Q S K L E R E Y Q D I A A L P Q R A R L K I K R P V K V Q P I A R V W Y
UniRef90_UPI0002E5E013 P K E W E S F L N G E V T D I Q R L P A G S E L R I K R P V R V S A A V N
UniRef90_Z5XLB8 R A E W A P W V D K E I E L V K A K P G E F I K I K R P L P I T P K L N I S F
UniRef90_UPI0004072EFB E W E E F I A S E I S L I K E L D D D T E L R Y K R V A K V T P M V N V W
UniRef90_UPI0002E1CC52 E N E L P L T Q L I K K V A S T P D I A L R I R R G V K V Q P A A N V T N
UniRef90_C4NV60 G P D Y Q L P L E Q L I Q K I A S T P E P Y L R E R R E V K V Q P V A N V M A
UniRef90_UPI000362DFE1 E H T W L Q C I D R E I Y D V K R L P A H I E L R L R R P V K T H P M V N V R W
UniRef90_U1KD43 G P E Y R V P L E Q L I N K I K Q T P G E L L R I R R Q V R V Q P A A N I R F
UniRef90_UPI0003187BF2 K A E W A P W V N K E I D L I N A K A G A L I K I K R P L P V A P K L N V S F
UniRef90_UPI00031BE7FA T P D N Q L A L T Q L H Q K I A T T A E H E L R V R R P V K V Q P A A N I V K
UniRef90_V3AXU2 Q L I H K V S S V P E D K L R I R R R L K V Q P V A N I T F
UniRef90_Q8L2D8 V G N L A Q R I A N T P Q D K L R L R R P A K I Q P V A N I Q F
UniRef90_UPI00030373F0 M P D N L L A L D Q L Q Q K I T S T P E L D L R I R R P V K V Q P A A N I V R
UniRef90_F4AUX3 I Q S W K A V L D A D K S L I E K Q R N E T F T I R R R I K L R P E A S I R L
UniRef90_UPI00047C4564 M G D A D K T V A M L A S R I E S V P P A S L R F R R Q V K V Q P A A N V K R
UniRef90_M1FJW4 D V P W D I K I D R E I M A I R S L P A S A Q L R S R R V L R V R P L A N L R Y
UniRef90_J2IS55 D E D K S V R L N S L I K A I A R V P E E K L R L R R P V K V H P A A N I A M
UniRef90_L7Z9E0 L A L L M K Q I V S V P E E R L R I R R R L K V Q P S A N I S F
UniRef90_S5AIC3 S W S Q Q I E I E R K A L S A L P P S A I L R Q E R P I R K T P I A N V Y F
UniRef90_A0L2U6 D E C P S Q L L L L K Q N I L S T P E A M I R A R R D I Q P Q P V A N L M I

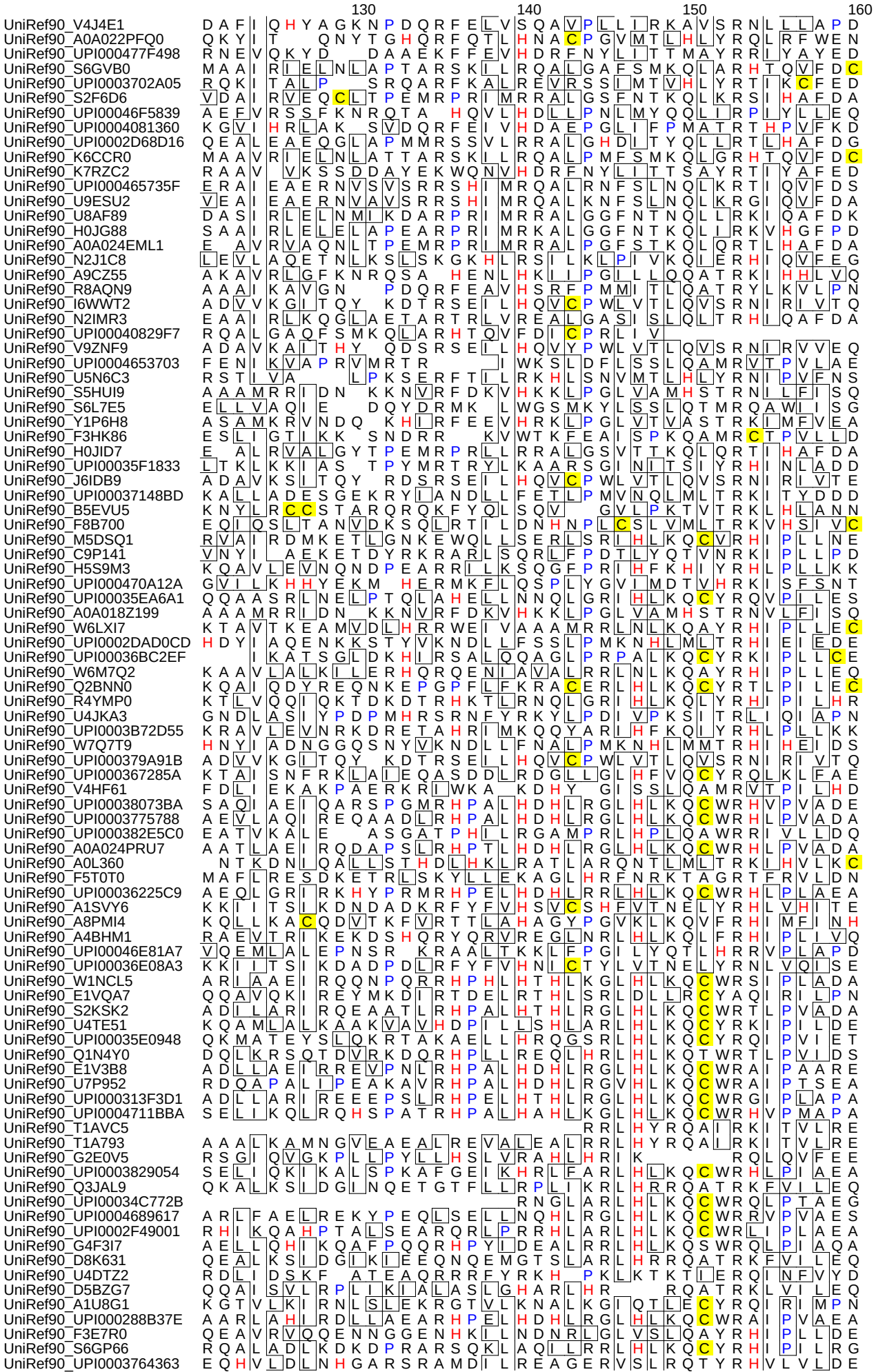

250
260
270
280
QUERY
UniRef90_A4W9Y2
UniRef90_V3TJ47
UniRef90_S3JXW3
UniRef90_H5V217
UniRef90_UPI00040567BE
UniRef90_E8XQ76
UniRef90_UPI00032A2381
UniRef90_C4UNS6
UniRef90_Q7N4I1
UniRef90_K4FID0
UniRef90_I2B9X9
UniRef90_G7LK88
UniRef90_D2C029
UniRef90_UPI0003829C7B
UniRef90_E3G6R8
UniRef90_G9Z7S9
UniRef90_V5CLX6
UniRef90_G9Y1J7
UniRef90_W1IRZ2
UniRef90_E1SCK1
UniRef90_C6C580
UniRef90_V5C5X3
UniRef90_C4TV24
UniRef90_B4EVY6
UniRef90_UPI00037DE10D
UniRef90_Q2NSY7
UniRef90_UPI000466423B
UniRef90_A0A014NQD6
UniRef90_UPI00047AD112
UniRef90_E6WED8
UniRef90_D8MRP9
UniRef90_UPI00046AD6E7
UniRef90_M4TK79
UniRef90_E3DFR5
UniRef90_R9NHY0
UniRef90_UPI000463292C
UniRef90_UPI000474691C
UniRef90_UPI00034834B0
UniRef90_E0WUR8
UniRef90_D4E6N1
UniRef90_D2AGA9
UniRef90_I0DNQ0
UniRef90_V1XJ68
UniRef90_K8WFB5
UniRef90_K8WRN5
UniRef90_X8LY83
UniRef90_D1NYQ1
UniRef90_D2TZG3
UniRef90_D4BTP8
UniRef90_F8YGJ2
UniRef90_UPI00047030C9
UniRef90_UPI0003C7CA73
UniRef90_F4DFQ0
UniRef90_D1TZ33
UniRef90_UPI00031C315A
UniRef90_W7NQI4
UniRef90_U1KLQ1
UniRef90_Q3ICK8
UniRef90_U1KDK6
UniRef90_U1LIS5
UniRef90_W0A127
UniRef90_UPI0003455C16
UniRef90_U1L2E4
UniRef90_G4C648
UniRef90_X2X5T8
UniRef90_L8D4K2
UniRef90_V4HNZ9
UniRef90_A4C3W1
UniRef90_H2FW59
UniRef90_R1F3R4
UniRef90_N9VJW2
UniRef90_W1B2N2
UniRef90_UPI0002E5E013
UniRef90_Z5XLB8
UniRef90_UPI0004072EFB
UniRef90_UPI0002E1CC52
UniRef90_C4NV60
UniRef90_UPI000362DFE1
UniRef90_U1KD43
UniRef90_UPI0003187BF2
UniRef90_UPI00031BE7FA
UniRef90_V3AXU2
UniRef90_Q8L2D8
UniRef90_UPI00030373F0
UniRef90_F4AUX3
UniRef90_UPI00047C4564
UniRef90_M1FJW4
UniRef90_J2IS55
UniRef90_L7Z9E0
UniRef90_S5AIC3
UniRef90_A0L2U6

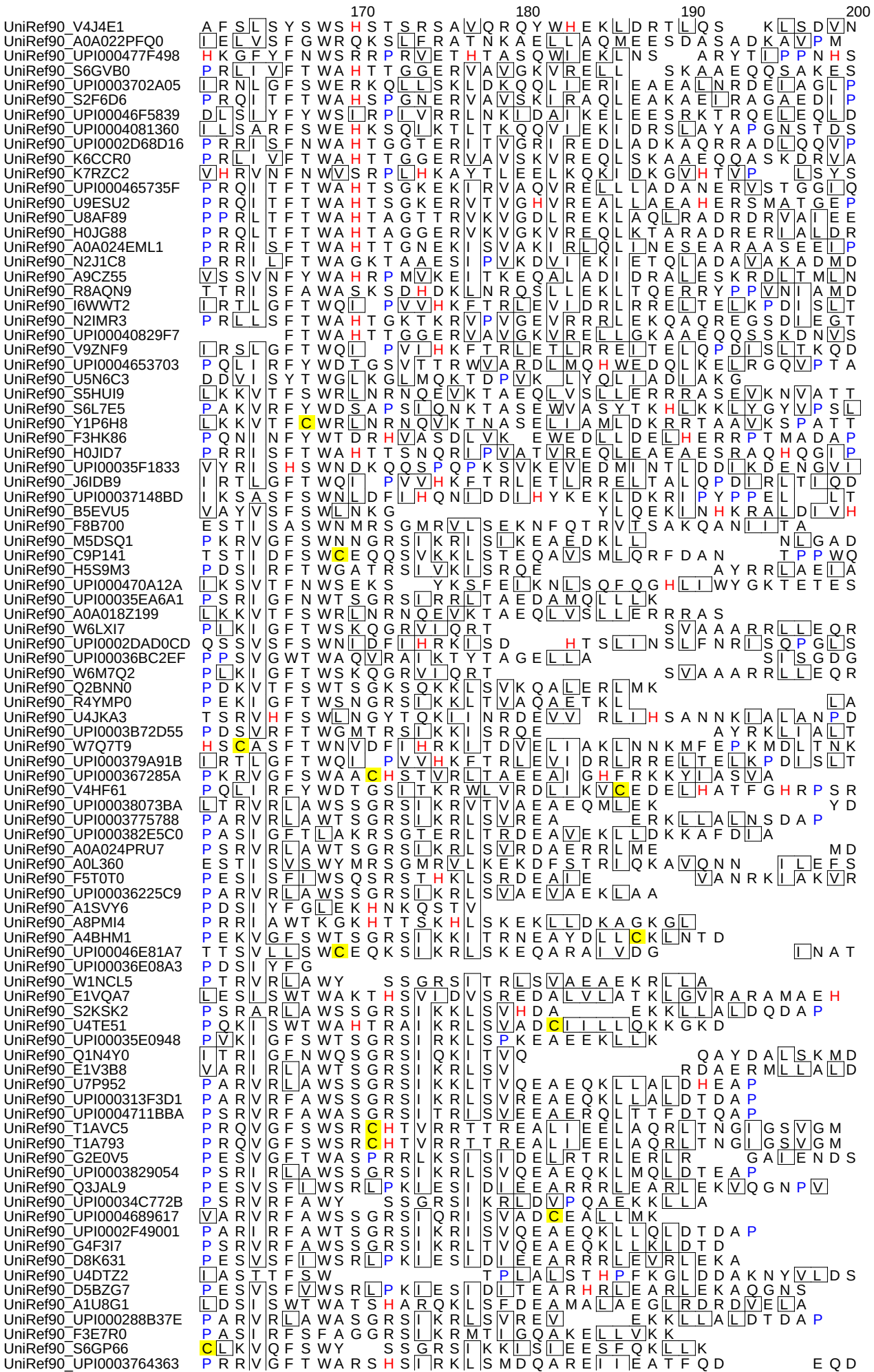

290
300
QUERY
UniRef90_A4W9Y2
UniRef90_V3TJ47
UniRef90_S3JXW3
UniRef90_H5V217
UniRef90_UPI00040567BE
UniRef90_E8XQ76
UniRef90_UPI00032A2381
UniRef90_C4UNS6
UniRef90_Q7N4I1
UniRef90_K4FID0
UniRef90_I2B9X9
UniRef90_G7LK88
UniRef90_D2C029
UniRef90_UPI0003829C7B
UniRef90_E3G6R8
UniRef90_G9Z7S9
UniRef90_V5CLX6
UniRef90_G9Y1J7
UniRef90_W1IRZ2
UniRef90_E1SCK1
UniRef90_C6C580
UniRef90_V5C5X3
UniRef90_C4TV24
UniRef90_B4EVY6
UniRef90_UPI00037DE10D
UniRef90_Q2NSY7
UniRef90_UPI000466423B
UniRef90_A0A014NQD6
UniRef90_UPI00047AD112
UniRef90_E6WED8
UniRef90_D8MRP9
UniRef90_UPI00046AD6E7
UniRef90_M4TK79
UniRef90_E3DFR5
UniRef90_R9NHY0
UniRef90_UPI000463292C
UniRef90_UPI000474691C
UniRef90_UPI00034834B0
UniRef90_E0WUR8
UniRef90_D4E6N1
UniRef90_D2AGA9
UniRef90_I0DNQ0
UniRef90_V1XJ68
UniRef90_K8WFB5
UniRef90_K8WRN5
UniRef90_X8LY83
UniRef90_D1NYQ1
UniRef90_D2TZG3
UniRef90_D4BTP8
UniRef90_F8YGJ2
UniRef90_UPI00047030C9
UniRef90_UPI0003C7CA73
UniRef90_F4DFQ0
UniRef90_D1TZ33
UniRef90_UPI00031C315A
UniRef90_W7NQI4
UniRef90_U1KLQ1
UniRef90_Q3ICK8
UniRef90_U1KDK6
UniRef90_U1LIS5
UniRef90_W0A127
UniRef90_UPI0003455C16
UniRef90_U1L2E4
UniRef90_G4C648
UniRef90_X2X5T8
UniRef90_L8D4K2
UniRef90_V4HNZ9
UniRef90_A4C3W1
UniRef90_H2FW59
UniRef90_R1F3R4
UniRef90_N9VJW2
UniRef90_W1B2N2
UniRef90_UPI0002E5E013
UniRef90_Z5XLB8
UniRef90_UPI0004072EFB
UniRef90_UPI0002E1CC52
UniRef90_C4NV60
UniRef90_UPI000362DFE1
UniRef90_U1KD43
UniRef90_UPI0003187BF2
UniRef90_UPI00031BE7FA
UniRef90_V3AXU2
UniRef90_Q8L2D8
UniRef90_UPI00030373F0
UniRef90_F4AUX3
UniRef90_UPI00047C4564
UniRef90_M1FJW4
UniRef90_J2IS55
UniRef90_L7Z9E0
UniRef90_S5AIC3
UniRef90_A0L2U6

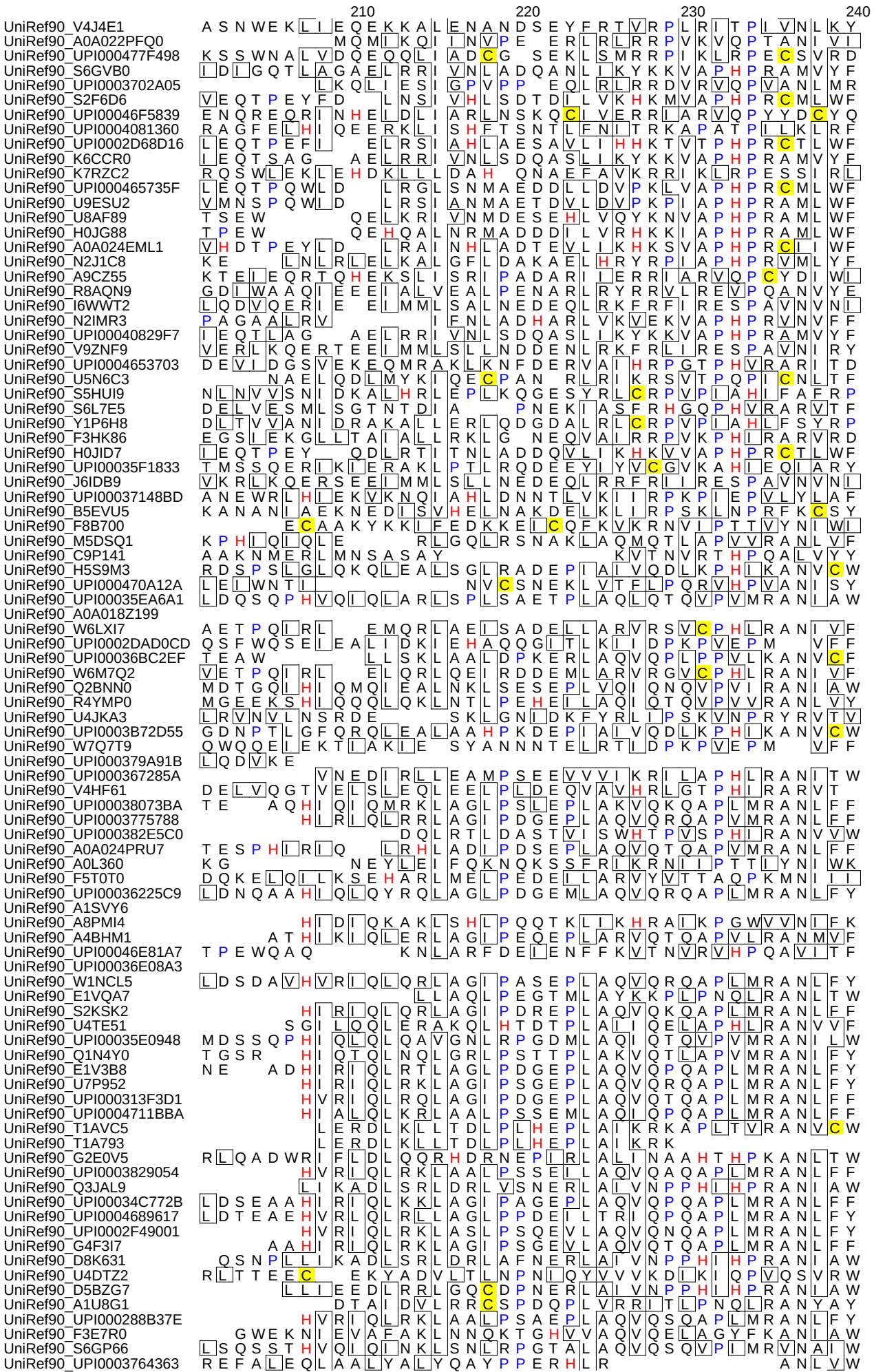

1
10
20
30
40
UniRef90_V4J4E1
UniRef90_A0A022PFQ0
UniRef90_UPI000477F498
UniRef90_S6GVB0
UniRef90_UPI0003702A05
UniRef90_S2F6D6
UniRef90_UPI00046F5839
UniRef90_UPI0004081360
UniRef90_UPI0002D68D16
UniRef90_K6CCR0
UniRef90_K7RZC2
UniRef90_UPI000465735F
UniRef90_U9ESU2
UniRef90_U8AF89
UniRef90_H0JG88
UniRef90_A0A024EML1
UniRef90_N2J1C8
UniRef90_A9CZ55
UniRef90_R8AQN9
UniRef90_I6WWT2
UniRef90_N2IMR3
UniRef90_UPI00040829F7
UniRef90_V9ZNF9
UniRef90_UPI0004653703
UniRef90_U5N6C3
UniRef90_S5HUI9
UniRef90_S6L7E5
UniRef90_Y1P6H8
UniRef90_F3HK86
UniRef90_H0JID7
UniRef90_UPI00035F1833
UniRef90_J6IDB9
UniRef90_UPI00037148BD
UniRef90_B5EVU5
UniRef90_F8B700
UniRef90_M5DSQ1
UniRef90_C9P141
UniRef90_H5S9M3
UniRef90_UPI000470A12A
UniRef90_UPI00035EA6A1
UniRef90_A0A018Z199
UniRef90_W6LXI7
UniRef90_UPI0002DAD0CD
UniRef90_UPI00036BC2EF
UniRef90_W6M7Q2
UniRef90_Q2BNN0
UniRef90_R4YMP0
UniRef90_U4JKA3
UniRef90_UPI0003B72D55
UniRef90_W7Q7T9
UniRef90_UPI000379A91B
UniRef90_UPI000367285A
UniRef90_V4HF61
UniRef90_UPI00038073BA
UniRef90_UPI0003775788
UniRef90_UPI000382E5C0
UniRef90_A0A024PRU7
UniRef90_A0L360
UniRef90_F5T0T0
UniRef90_UPI00036225C9
UniRef90_A1SVY6
UniRef90_A8PMI4
UniRef90_A4BHM1
UniRef90_UPI00046E81A7
UniRef90_UPI00036E08A3
UniRef90_W1NCL5
UniRef90_E1VQA7
UniRef90_S2KSK2
UniRef90_U4TE51
UniRef90_UPI00035E0948
UniRef90_Q1N4Y0
UniRef90_E1V3B8
UniRef90_U7P952
UniRef90_UPI000313F3D1
UniRef90_UPI0004711BBA
UniRef90_T1AVC5
UniRef90_T1A793
UniRef90_G2E0V5
UniRef90_UPI0003829054
UniRef90_Q3JAL9
UniRef90_UPI00034C772B
UniRef90_UPI0004689617
UniRef90_UPI0002F49001
UniRef90_G4F3I7
UniRef90_D8K631
UniRef90_U4DTZ2
UniRef90_D5BZG7
UniRef90_A1U8G1
UniRef90_UPI000288B37E
UniRef90_F3E7R0
UniRef90_S6GP66
UniRef90_UPI0003764363

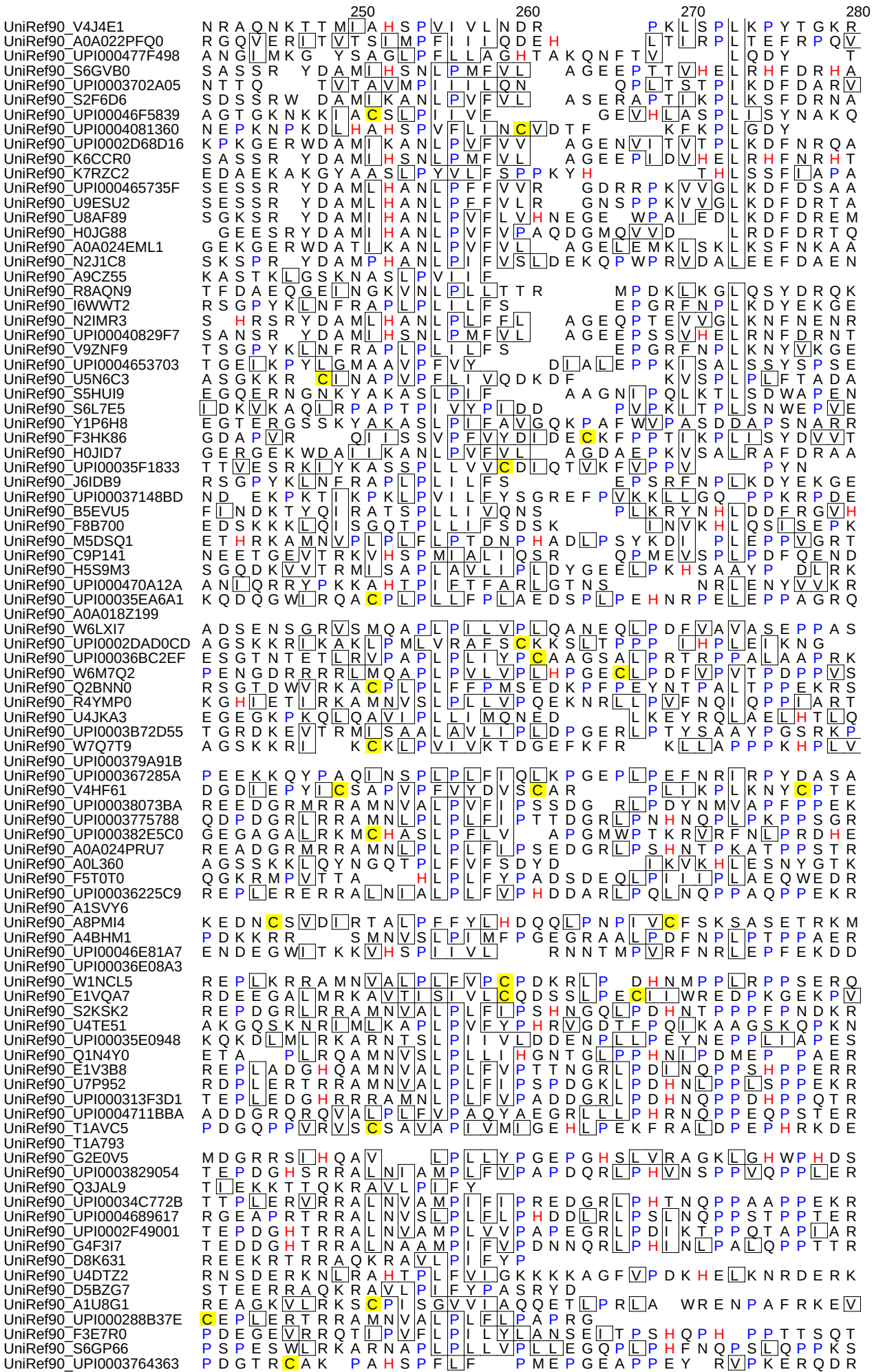

50
60
70
80
UniRef90_V4J4E1
UniRef90_A0A022PFQ0
UniRef90_UPI000477F498
UniRef90_S6GVB0
UniRef90_UPI0003702A05
UniRef90_S2F6D6
UniRef90_UPI00046F5839
UniRef90_UPI0004081360
UniRef90_UPI0002D68D16
UniRef90_K6CCR0
UniRef90_K7RZC2
UniRef90_UPI000465735F
UniRef90_U9ESU2
UniRef90_U8AF89
UniRef90_H0JG88
UniRef90_A0A024EML1
UniRef90_N2J1C8
UniRef90_A9CZ55
UniRef90_R8AQN9
UniRef90_I6WWT2
UniRef90_N2IMR3
UniRef90_UPI00040829F7
UniRef90_V9ZNF9
UniRef90_UPI0004653703
UniRef90_U5N6C3
UniRef90_S5HUI9
UniRef90_S6L7E5
UniRef90_Y1P6H8
UniRef90_F3HK86
UniRef90_H0JID7
UniRef90_UPI00035F1833
UniRef90_J6IDB9
UniRef90_UPI00037148BD
UniRef90_B5EVU5
UniRef90_F8B700
UniRef90_M5DSQ1
UniRef90_C9P141
UniRef90_H5S9M3
UniRef90_UPI000470A12A
UniRef90_UPI00035EA6A1
UniRef90_A0A018Z199
UniRef90_W6LXI7
UniRef90_UPI0002DAD0CD
UniRef90_UPI00036BC2EF
UniRef90_W6M7Q2
UniRef90_Q2BNN0
UniRef90_R4YMP0
UniRef90_U4JKA3
UniRef90_UPI0003B72D55
UniRef90_W7Q7T9
UniRef90_UPI000379A91B
UniRef90_UPI000367285A
UniRef90_V4HF61
UniRef90_UPI00038073BA
UniRef90_UPI0003775788
UniRef90_UPI000382E5C0
UniRef90_A0A024PRU7
UniRef90_A0L360
UniRef90_F5T0T0
UniRef90_UPI00036225C9
UniRef90_A1SVY6
UniRef90_A8PMI4
UniRef90_A4BHM1
UniRef90_UPI00046E81A7
UniRef90_UPI00036E08A3
UniRef90_W1NCL5
UniRef90_E1VQA7
UniRef90_S2KSK2
UniRef90_U4TE51
UniRef90_UPI00035E0948
UniRef90_Q1N4Y0
UniRef90_E1V3B8
UniRef90_U7P952
UniRef90_UPI000313F3D1
UniRef90_UPI0004711BBA
UniRef90_T1AVC5
UniRef90_T1A793
UniRef90_G2E0V5
UniRef90_UPI0003829054
UniRef90_Q3JAL9
UniRef90_UPI00034C772B
UniRef90_UPI0004689617
UniRef90_UPI0002F49001
UniRef90_G4F3I7
UniRef90_D8K631
UniRef90_U4DTZ2
UniRef90_D5BZG7
UniRef90_A1U8G1
UniRef90_UPI000288B37E
UniRef90_F3E7R0
UniRef90_S6GP66
UniRef90_UPI0003764363

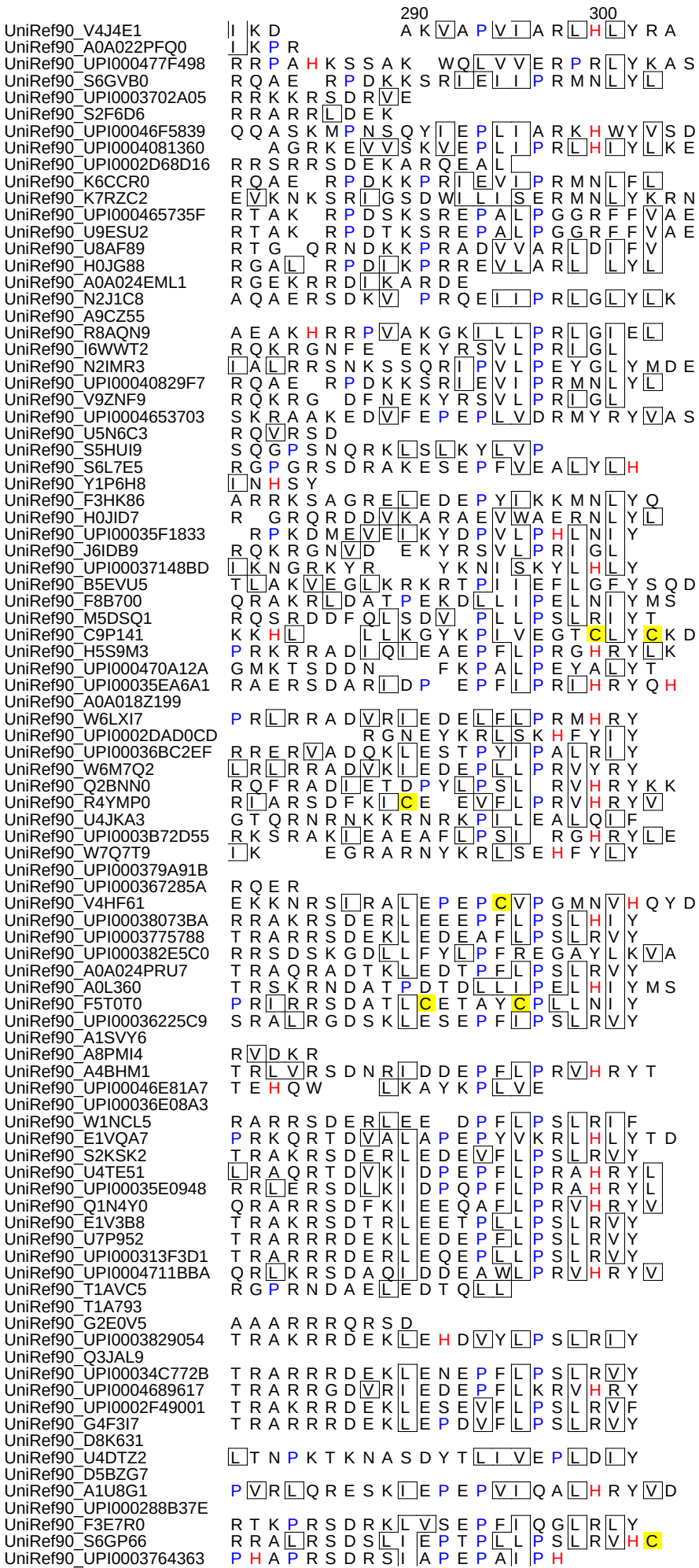

90
100
110
120
UniRef90_V4J4E1
UniRef90_A0A022PFQ0
UniRef90_UPI000477F498
UniRef90_S6GVB0
UniRef90_UPI0003702A05
UniRef90_S2F6D6
UniRef90_UPI00046F5839
UniRef90_UPI0004081360
UniRef90_UPI0002D68D16
UniRef90_K6CCR0
UniRef90_K7RZC2
UniRef90_UPI000465735F
UniRef90_U9ESU2
UniRef90_U8AF89
UniRef90_H0JG88
UniRef90_A0A024EML1
UniRef90_N2J1C8
UniRef90_A9CZ55
UniRef90_R8AQN9
UniRef90_I6WWT2
UniRef90_N2IMR3
UniRef90_UPI00040829F7
UniRef90_V9ZNF9
UniRef90_UPI0004653703
UniRef90_U5N6C3
UniRef90_S5HUI9
UniRef90_S6L7E5
UniRef90_Y1P6H8
UniRef90_F3HK86
UniRef90_H0JID7
UniRef90_UPI00035F1833
UniRef90_J6IDB9
UniRef90_UPI00037148BD
UniRef90_B5EVU5
UniRef90_F8B700
UniRef90_M5DSQ1
UniRef90_C9P141
UniRef90_H5S9M3
UniRef90_UPI000470A12A
UniRef90_UPI00035EA6A1
UniRef90_A0A018Z199
UniRef90_W6LXI7
UniRef90_UPI0002DAD0CD
UniRef90_UPI00036BC2EF
UniRef90_W6M7Q2
UniRef90_Q2BNN0
UniRef90_R4YMP0
UniRef90_U4JKA3
UniRef90_UPI0003B72D55
UniRef90_W7Q7T9
UniRef90_UPI000379A91B
UniRef90_UPI000367285A
UniRef90_V4HF61
UniRef90_UPI00038073BA
UniRef90_UPI0003775788
UniRef90_UPI000382E5C0
UniRef90_A0A024PRU7
UniRef90_A0L360
UniRef90_F5T0T0
UniRef90_UPI00036225C9
UniRef90_A1SVY6
UniRef90_A8PMI4
UniRef90_A4BHM1
UniRef90_UPI00046E81A7
UniRef90_UPI00036E08A3
UniRef90_W1NCL5
UniRef90_E1VQA7
UniRef90_S2KSK2
UniRef90_U4TE51
UniRef90_UPI00035E0948
UniRef90_Q1N4Y0
UniRef90_E1V3B8
UniRef90_U7P952
UniRef90_UPI000313F3D1
UniRef90_UPI0004711BBA
UniRef90_T1AVC5
UniRef90_T1A793
UniRef90_G2E0V5
UniRef90_UPI0003829054
UniRef90_Q3JAL9
UniRef90_UPI00034C772B
UniRef90_UPI0004689617
UniRef90_UPI0002F49001
UniRef90_G4F3I7
UniRef90_D8K631
UniRef90_U4DTZ2
UniRef90_D5BZG7
UniRef90_A1U8G1
UniRef90_UPI000288B37E
UniRef90_F3E7R0
UniRef90_S6GP66
UniRef90_UPI0003764363

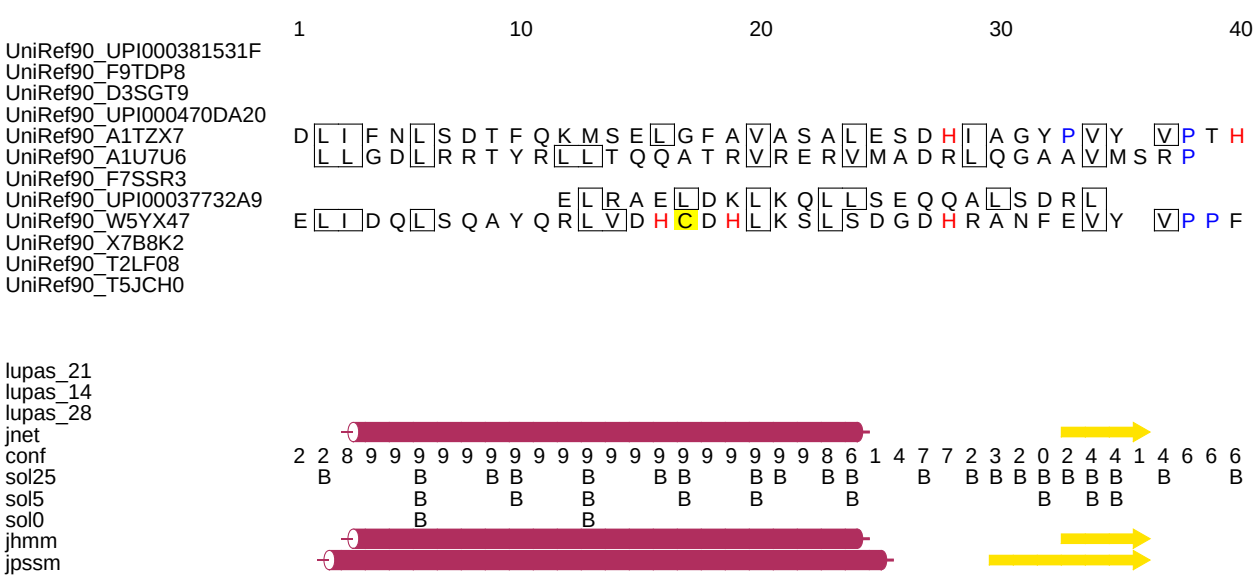

130
140
150
160
UniRef90_V4J4E1
UniRef90_A0A022PFQ0
UniRef90_UPI000477F498
UniRef90_S6GVB0
UniRef90_UPI0003702A05
UniRef90_S2F6D6
UniRef90_UPI00046F5839
UniRef90_UPI0004081360
UniRef90_UPI0002D68D16
UniRef90_K6CCR0
UniRef90_K7RZC2
UniRef90_UPI000465735F
UniRef90_U9ESU2
UniRef90_U8AF89
UniRef90_H0JG88
UniRef90_A0A024EML1
UniRef90_N2J1C8
UniRef90_A9CZ55
UniRef90_R8AQN9
UniRef90_I6WWT2
UniRef90_N2IMR3
UniRef90_UPI00040829F7
UniRef90_V9ZNF9
UniRef90_UPI0004653703
UniRef90_U5N6C3
UniRef90_S5HUI9
UniRef90_S6L7E5
UniRef90_Y1P6H8
UniRef90_F3HK86
UniRef90_H0JID7
UniRef90_UPI00035F1833
UniRef90_J6IDB9
UniRef90_UPI00037148BD
UniRef90_B5EVU5
UniRef90_F8B700
UniRef90_M5DSQ1
UniRef90_C9P141
UniRef90_H5S9M3
UniRef90_UPI000470A12A
UniRef90_UPI00035EA6A1
UniRef90_A0A018Z199
UniRef90_W6LXI7
UniRef90_UPI0002DAD0CD
UniRef90_UPI00036BC2EF
UniRef90_W6M7Q2
UniRef90_Q2BNN0
UniRef90_R4YMP0
UniRef90_U4JKA3
UniRef90_UPI0003B72D55
UniRef90_W7Q7T9
UniRef90_UPI000379A91B
UniRef90_UPI000367285A
UniRef90_V4HF61
UniRef90_UPI00038073BA
UniRef90_UPI0003775788
UniRef90_UPI000382E5C0
UniRef90_A0A024PRU7
UniRef90_A0L360
UniRef90_F5T0T0
UniRef90_UPI00036225C9
UniRef90_A1SVY6
UniRef90_A8PMI4
UniRef90_A4BHM1
UniRef90_UPI00046E81A7
UniRef90_UPI00036E08A3
UniRef90_W1NCL5
UniRef90_E1VQA7
UniRef90_S2KSK2
UniRef90_U4TE51
UniRef90_UPI00035E0948
UniRef90_Q1N4Y0
UniRef90_E1V3B8
UniRef90_U7P952
UniRef90_UPI000313F3D1
UniRef90_UPI0004711BBA
UniRef90_T1AVC5
UniRef90_T1A793
UniRef90_G2E0V5
UniRef90_UPI0003829054
UniRef90_Q3JAL9
UniRef90_UPI00034C772B
UniRef90_UPI0004689617
UniRef90_UPI0002F49001
UniRef90_G4F3I7
UniRef90_D8K631
UniRef90_U4DTZ2
UniRef90_D5BZG7
UniRef90_A1U8G1
UniRef90_UPI000288B37E
UniRef90_F3E7R0
UniRef90_S6GP66
UniRef90_UPI0003764363

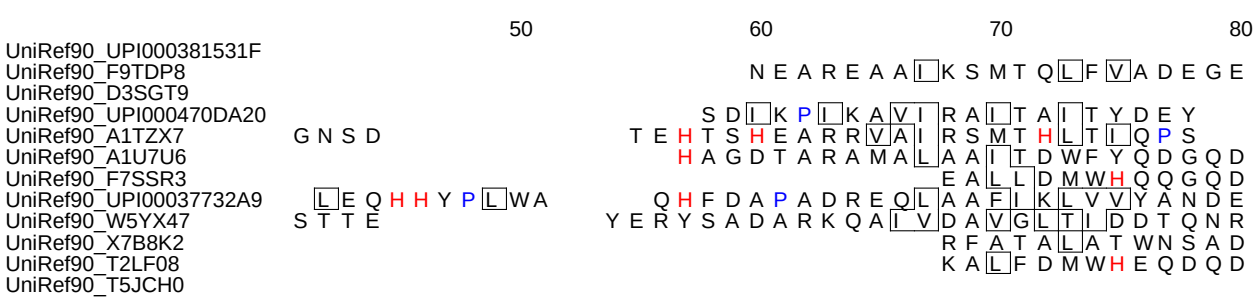

170
180
190
200
UniRef90_V4J4E1
UniRef90_A0A022PFQ0
UniRef90_UPI000477F498
UniRef90_S6GVB0
UniRef90_UPI0003702A05
UniRef90_S2F6D6
UniRef90_UPI00046F5839
UniRef90_UPI0004081360
UniRef90_UPI0002D68D16
UniRef90_K6CCR0
UniRef90_K7RZC2
UniRef90_UPI000465735F
UniRef90_U9ESU2
UniRef90_U8AF89
UniRef90_H0JG88
UniRef90_A0A024EML1
UniRef90_N2J1C8
UniRef90_A9CZ55
UniRef90_R8AQN9
UniRef90_I6WWT2
UniRef90_N2IMR3
UniRef90_UPI00040829F7
UniRef90_V9ZNF9
UniRef90_UPI0004653703
UniRef90_U5N6C3
UniRef90_S5HUI9
UniRef90_S6L7E5
UniRef90_Y1P6H8
UniRef90_F3HK86
UniRef90_H0JID7
UniRef90_UPI00035F1833
UniRef90_J6IDB9
UniRef90_UPI00037148BD
UniRef90_B5EVU5
UniRef90_F8B700
UniRef90_M5DSQ1
UniRef90_C9P141
UniRef90_H5S9M3
UniRef90_UPI000470A12A
UniRef90_UPI00035EA6A1
UniRef90_A0A018Z199
UniRef90_W6LXI7
UniRef90_UPI0002DAD0CD
UniRef90_UPI00036BC2EF
UniRef90_W6M7Q2
UniRef90_Q2BNN0
UniRef90_R4YMP0
UniRef90_U4JKA3
UniRef90_UPI0003B72D55
UniRef90_W7Q7T9
UniRef90_UPI000379A91B
UniRef90_UPI000367285A
UniRef90_V4HF61
UniRef90_UPI00038073BA
UniRef90_UPI0003775788
UniRef90_UPI000382E5C0
UniRef90_A0A024PRU7
UniRef90_A0L360
UniRef90_F5T0T0
UniRef90_UPI00036225C9
UniRef90_A1SVY6
UniRef90_A8PMI4
UniRef90_A4BHM1
UniRef90_UPI00046E81A7
UniRef90_UPI00036E08A3
UniRef90_W1NCL5
UniRef90_E1VQA7
UniRef90_S2KSK2
UniRef90_U4TE51
UniRef90_UPI00035E0948
UniRef90_Q1N4Y0
UniRef90_E1V3B8
UniRef90_U7P952
UniRef90_UPI000313F3D1
UniRef90_UPI0004711BBA
UniRef90_T1AVC5
UniRef90_T1A793
UniRef90_G2E0V5
UniRef90_UPI0003829054
UniRef90_Q3JAL9
UniRef90_UPI00034C772B
UniRef90_UPI0004689617
UniRef90_UPI0002F49001
UniRef90_G4F3I7
UniRef90_D8K631
UniRef90_U4DTZ2
UniRef90_D5BZG7
UniRef90_A1U8G1
UniRef90_UPI000288B37E
UniRef90_F3E7R0
UniRef90_S6GP66
UniRef90_UPI0003764363

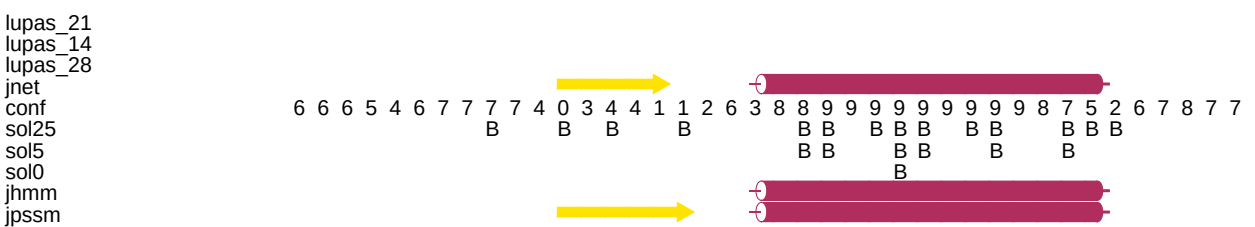

210
220
230
240
UniRef90_V4J4E1
UniRef90_A0A022PFQ0
UniRef90_UPI000477F498
UniRef90_S6GVB0
UniRef90_UPI0003702A05
UniRef90_S2F6D6
UniRef90_UPI00046F5839
UniRef90_UPI0004081360
UniRef90_UPI0002D68D16
UniRef90_K6CCR0
UniRef90_K7RZC2
UniRef90_UPI000465735F
UniRef90_U9ESU2
UniRef90_U8AF89
UniRef90_H0JG88
UniRef90_A0A024EML1
UniRef90_N2J1C8
UniRef90_A9CZ55
UniRef90_R8AQN9
UniRef90_I6WWT2
UniRef90_N2IMR3
UniRef90_UPI00040829F7
UniRef90_V9ZNF9
UniRef90_UPI0004653703
UniRef90_U5N6C3
UniRef90_S5HUI9
UniRef90_S6L7E5
UniRef90_Y1P6H8
UniRef90_F3HK86
UniRef90_H0JID7
UniRef90_UPI00035F1833
UniRef90_J6IDB9
UniRef90_UPI00037148BD
UniRef90_B5EVU5
UniRef90_F8B700
UniRef90_M5DSQ1
UniRef90_C9P141
UniRef90_H5S9M3
UniRef90_UPI000470A12A
UniRef90_UPI00035EA6A1
UniRef90_A0A018Z199
UniRef90_W6LXI7
UniRef90_UPI0002DAD0CD
UniRef90_UPI00036BC2EF
UniRef90_W6M7Q2
UniRef90_Q2BNN0
UniRef90_R4YMP0
UniRef90_U4JKA3
UniRef90_UPI0003B72D55
UniRef90_W7Q7T9
UniRef90_UPI000379A91B
UniRef90_UPI000367285A
UniRef90_V4HF61
UniRef90_UPI00038073BA
UniRef90_UPI0003775788
UniRef90_UPI000382E5C0
UniRef90_A0A024PRU7
UniRef90_A0L360
UniRef90_F5T0T0
UniRef90_UPI00036225C9
UniRef90_A1SVY6
UniRef90_A8PMI4
UniRef90_A4BHM1
UniRef90_UPI00046E81A7
UniRef90_UPI00036E08A3
UniRef90_W1NCL5
UniRef90_E1VQA7
UniRef90_S2KSK2
UniRef90_U4TE51
UniRef90_UPI00035E0948
UniRef90_Q1N4Y0
UniRef90_E1V3B8
UniRef90_U7P952
UniRef90_UPI000313F3D1
UniRef90_UPI0004711BBA
UniRef90_T1AVC5
UniRef90_T1A793
UniRef90_G2E0V5
UniRef90_UPI0003829054
UniRef90_Q3JAL9
UniRef90_UPI00034C772B
UniRef90_UPI0004689617
UniRef90_UPI0002F49001
UniRef90_G4F3I7
UniRef90_D8K631
UniRef90_U4DTZ2
UniRef90_D5BZG7
UniRef90_A1U8G1
UniRef90_UPI000288B37E
UniRef90_F3E7R0
UniRef90_S6GP66
UniRef90_UPI0003764363

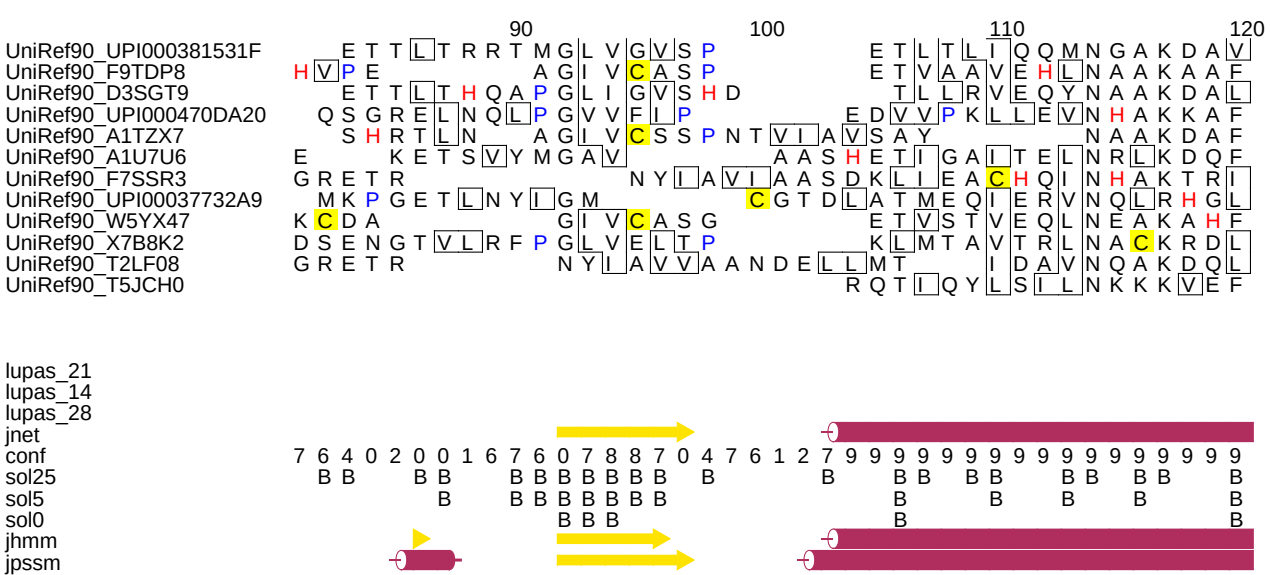

250
260
270
280
UniRef90_V4J4E1
UniRef90_A0A022PFQ0
UniRef90_UPI000477F498
UniRef90_S6GVB0
UniRef90_UPI0003702A05
UniRef90_S2F6D6
UniRef90_UPI00046F5839
UniRef90_UPI0004081360
UniRef90_UPI0002D68D16
UniRef90_K6CCR0
UniRef90_K7RZC2
UniRef90_UPI000465735F
UniRef90_U9ESU2
UniRef90_U8AF89
UniRef90_H0JG88
UniRef90_A0A024EML1
UniRef90_N2J1C8
UniRef90_A9CZ55
UniRef90_R8AQN9
UniRef90_I6WWT2
UniRef90_N2IMR3
UniRef90_UPI00040829F7
UniRef90_V9ZNF9
UniRef90_UPI0004653703
UniRef90_U5N6C3
UniRef90_S5HUI9
UniRef90_S6L7E5
UniRef90_Y1P6H8
UniRef90_F3HK86
UniRef90_H0JID7
UniRef90_UPI00035F1833
UniRef90_J6IDB9
UniRef90_UPI00037148BD
UniRef90_B5EVU5
UniRef90_F8B700
UniRef90_M5DSQ1
UniRef90_C9P141
UniRef90_H5S9M3
UniRef90_UPI000470A12A
UniRef90_UPI00035EA6A1
UniRef90_A0A018Z199
UniRef90_W6LXI7
UniRef90_UPI0002DAD0CD
UniRef90_UPI00036BC2EF
UniRef90_W6M7Q2
UniRef90_Q2BNN0
UniRef90_R4YMP0
UniRef90_U4JKA3
UniRef90_UPI0003B72D55
UniRef90_W7Q7T9
UniRef90_UPI000379A91B
UniRef90_UPI000367285A
UniRef90_V4HF61
UniRef90_UPI00038073BA
UniRef90_UPI0003775788
UniRef90_UPI000382E5C0
UniRef90_A0A024PRU7
UniRef90_A0L360
UniRef90_F5T0T0
UniRef90_UPI00036225C9
UniRef90_A1SVY6
UniRef90_A8PMI4
UniRef90_A4BHM1
UniRef90_UPI00046E81A7
UniRef90_UPI00036E08A3
UniRef90_W1NCL5
UniRef90_E1VQA7
UniRef90_S2KSK2
UniRef90_U4TE51
UniRef90_UPI00035E0948
UniRef90_Q1N4Y0
UniRef90_E1V3B8
UniRef90_U7P952
UniRef90_UPI000313F3D1
UniRef90_UPI0004711BBA
UniRef90_T1AVC5
UniRef90_T1A793
UniRef90_G2E0V5
UniRef90_UPI0003829054
UniRef90_Q3JAL9
UniRef90_UPI00034C772B
UniRef90_UPI0004689617
UniRef90_UPI0002F49001
UniRef90_G4F3I7
UniRef90_D8K631
UniRef90_U4DTZ2
UniRef90_D5BZG7
UniRef90_A1U8G1
UniRef90_UPI000288B37E
UniRef90_F3E7R0
UniRef90_S6GP66
UniRef90_UPI0003764363

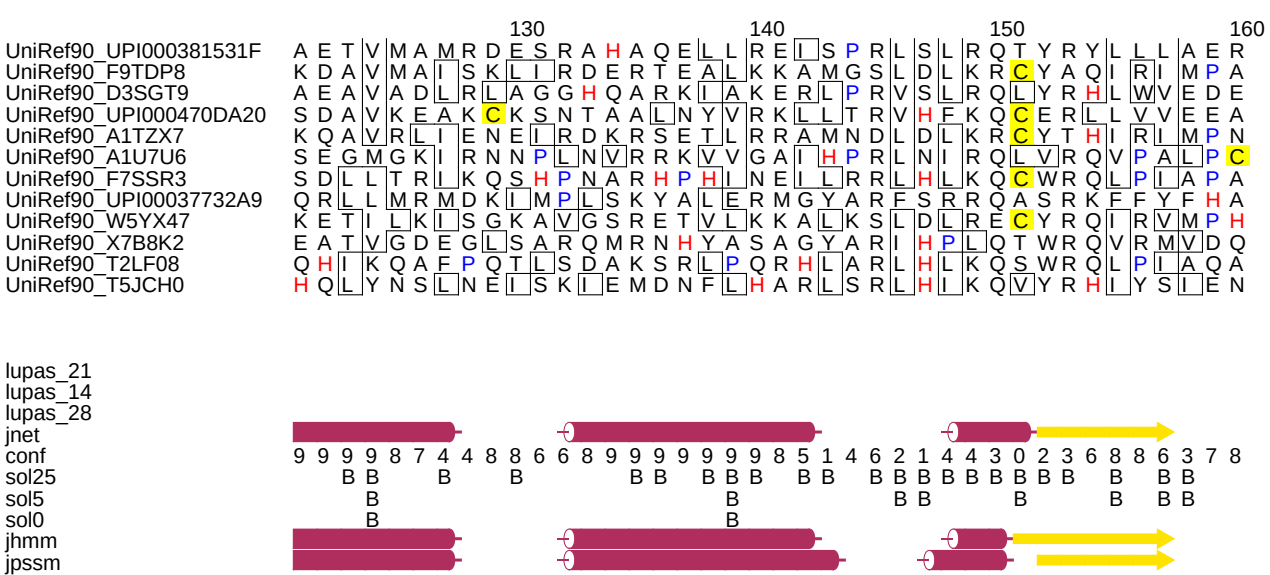

290
300
UniRef90_V4J4E1
UniRef90_A0A022PFQ0
UniRef90_UPI000477F498
UniRef90_S6GVB0
UniRef90_UPI0003702A05
UniRef90_S2F6D6
UniRef90_UPI00046F5839
UniRef90_UPI0004081360
UniRef90_UPI0002D68D16
UniRef90_K6CCR0
UniRef90_K7RZC2
UniRef90_UPI000465735F
UniRef90_U9ESU2
UniRef90_U8AF89
UniRef90_H0JG88
UniRef90_A0A024EML1
UniRef90_N2J1C8
UniRef90_A9CZ55
UniRef90_R8AQN9
UniRef90_I6WWT2
UniRef90_N2IMR3
UniRef90_UPI00040829F7
UniRef90_V9ZNF9
UniRef90_UPI0004653703
UniRef90_U5N6C3
UniRef90_S5HUI9
UniRef90_S6L7E5
UniRef90_Y1P6H8
UniRef90_F3HK86
UniRef90_H0JID7
UniRef90_UPI00035F1833
UniRef90_J6IDB9
UniRef90_UPI00037148BD
UniRef90_B5EVU5
UniRef90_F8B700
UniRef90_M5DSQ1
UniRef90_C9P141
UniRef90_H5S9M3
UniRef90_UPI000470A12A
UniRef90_UPI00035EA6A1
UniRef90_A0A018Z199
UniRef90_W6LXI7
UniRef90_UPI0002DAD0CD
UniRef90_UPI00036BC2EF
UniRef90_W6M7Q2
UniRef90_Q2BNN0
UniRef90_R4YMP0
UniRef90_U4JKA3
UniRef90_UPI0003B72D55
UniRef90_W7Q7T9
UniRef90_UPI000379A91B
UniRef90_UPI000367285A
UniRef90_V4HF61
UniRef90_UPI00038073BA
UniRef90_UPI0003775788
UniRef90_UPI000382E5C0
UniRef90_A0A024PRU7
UniRef90_A0L360
UniRef90_F5T0T0
UniRef90_UPI00036225C9
UniRef90_A1SVY6
UniRef90_A8PMI4
UniRef90_A4BHM1
UniRef90_UPI00046E81A7
UniRef90_UPI00036E08A3
UniRef90_W1NCL5
UniRef90_E1VQA7
UniRef90_S2KSK2
UniRef90_U4TE51
UniRef90_UPI00035E0948
UniRef90_Q1N4Y0
UniRef90_E1V3B8
UniRef90_U7P952
UniRef90_UPI000313F3D1
UniRef90_UPI0004711BBA
UniRef90_T1AVC5
UniRef90_T1A793
UniRef90_G2E0V5
UniRef90_UPI0003829054
UniRef90_Q3JAL9
UniRef90_UPI00034C772B
UniRef90_UPI0004689617
UniRef90_UPI0002F49001
UniRef90_G4F3I7
UniRef90_D8K631
UniRef90_U4DTZ2
UniRef90_D5BZG7
UniRef90_A1U8G1
UniRef90_UPI000288B37E
UniRef90_F3E7R0
UniRef90_S6GP66
UniRef90_UPI0003764363

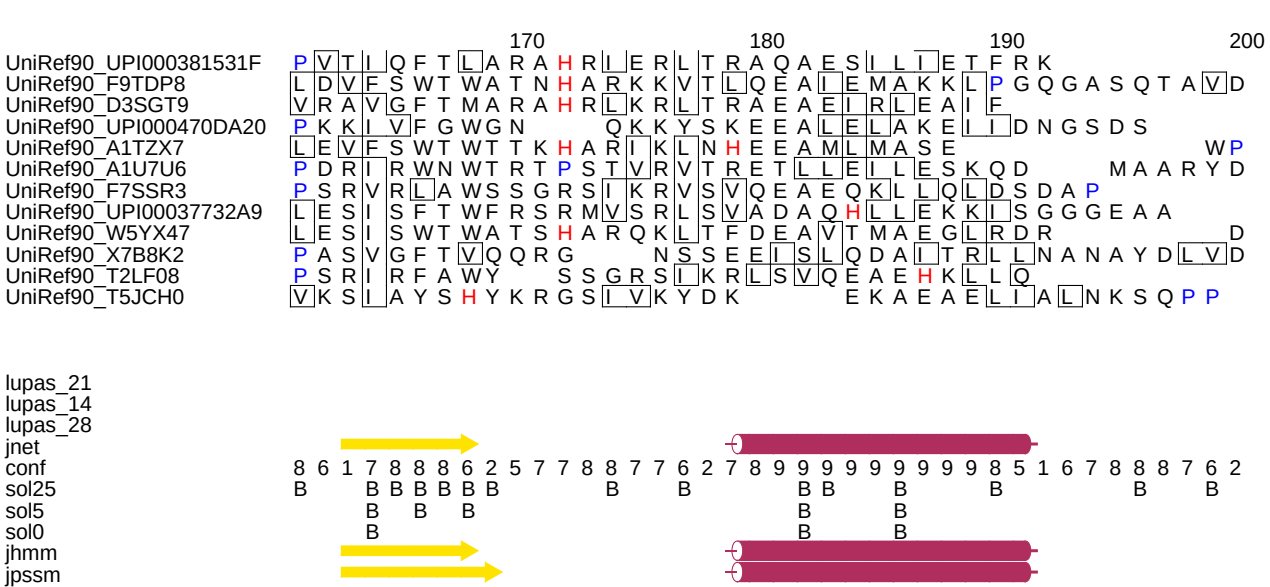

1
10
20
30
40
UniRef90_UPI000381531F
UniRef90_F9TDP8
UniRef90_D3SGT9
UniRef90_UPI000470DA20
UniRef90_A1TZX7
UniRef90_A1U7U6
UniRef90_F7SSR3
UniRef90_UPI00037732A9
UniRef90_W5YX47
UniRef90_X7B8K2
UniRef90_T2LF08
UniRef90_T5JCH0
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm

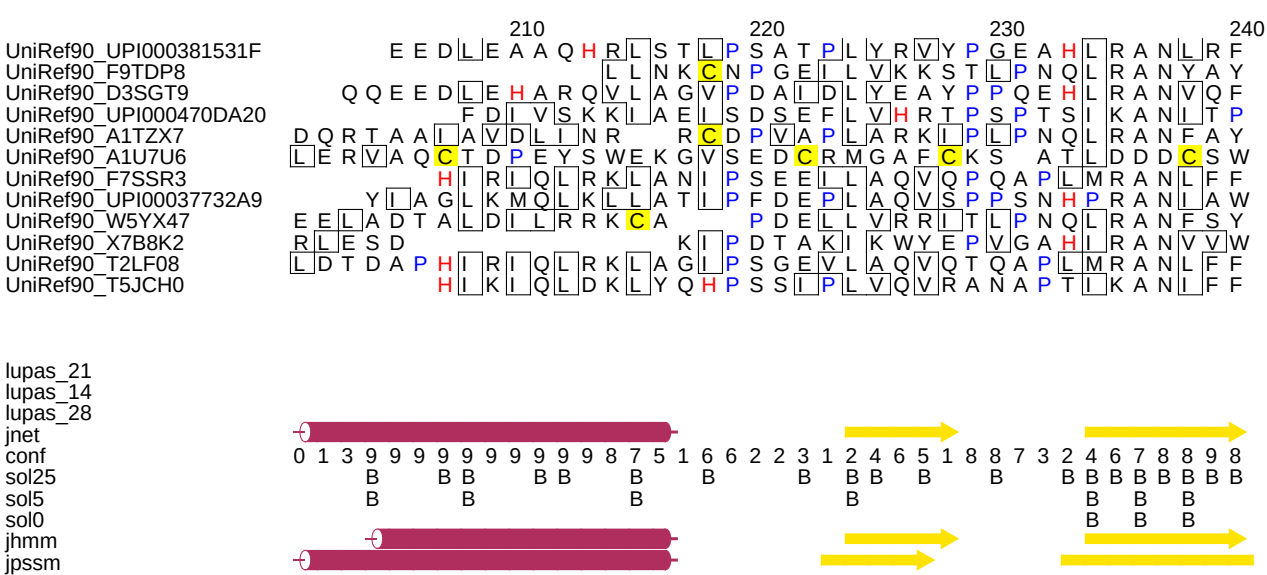

50
60
70
80
UniRef90_UPI000381531F
UniRef90_F9TDP8
UniRef90_D3SGT9
UniRef90_UPI000470DA20
UniRef90_A1TZX7
UniRef90_A1U7U6
UniRef90_F7SSR3
UniRef90_UPI00037732A9
UniRef90_W5YX47
UniRef90_X7B8K2
UniRef90_T2LF08
UniRef90_T5JCH0


lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm

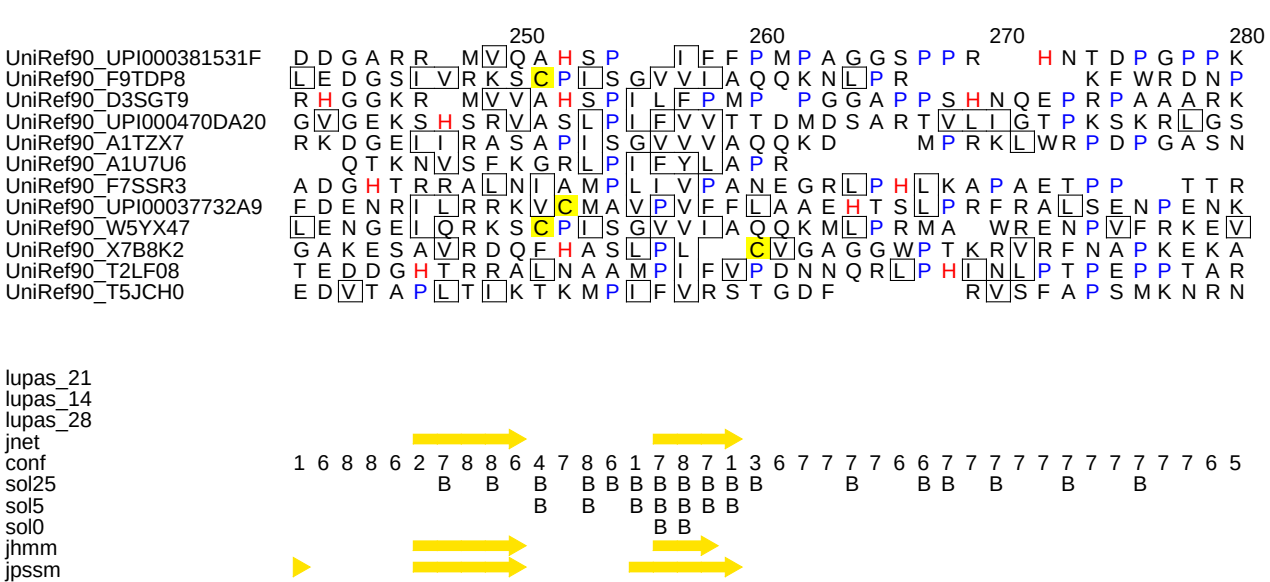

90
100
110
120
UniRef90_UPI000381531F
UniRef90_F9TDP8
UniRef90_D3SGT9
UniRef90_UPI000470DA20
UniRef90_A1TZX7
UniRef90_A1U7U6
UniRef90_F7SSR3
UniRef90_UPI00037732A9
UniRef90_W5YX47
UniRef90_X7B8K2
UniRef90_T2LF08
UniRef90_T5JCH0
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm

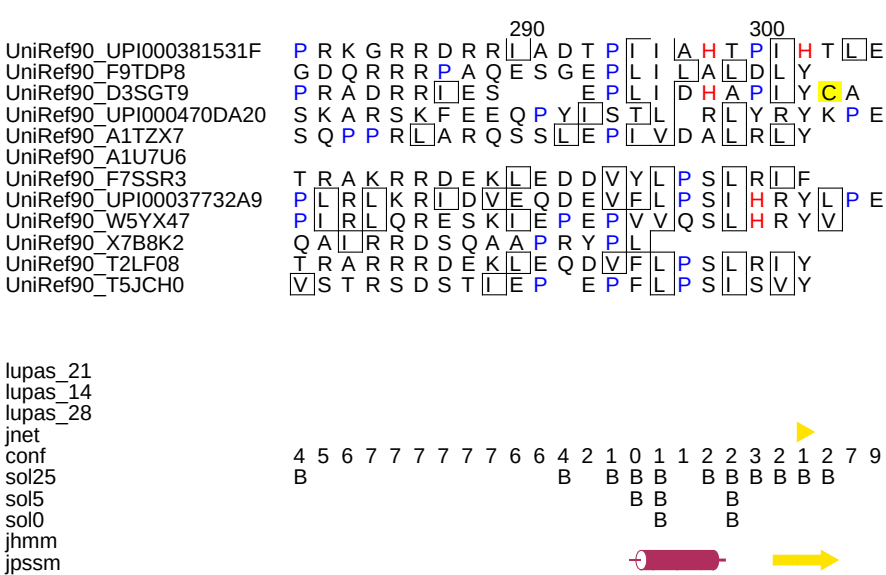

130
140
150
160
UniRef90_UPI000381531F A E T V M A M R D E S R A H A Q E L L R E I S P R L S L R Q T Y R Y L L L A E R
UniRef90_F9TDP8 K D A V M A I S K L I R D E R T E A L K K A M G S L D L K R C Y A Q I R I M P A
UniRef90_D3SGT9 A E A V A D L R L A G G H Q A R K I A K E R L P R V S L R Q L Y R H L W V E D E
UniRef90_UPI000470DA20 S D A V K E A K C K S N T A A L N Y V R K L L T R V H F K Q C E R L L V V E E A
UniRef90_A1TZX7 K Q A V R L I E N E I R D K R S E T L R R A M N D L D L K R C Y T H I R I M P N
UniRef90_A1U7U6 S E G M G K I R N N P L N V R R K V V G A I H P R L N I R Q L V R Q V P A L P C
UniRef90_F7SSR3 S D L L T R I K Q S H P N A R H P H I N E I L R R L H L K Q C W R Q L P I A P A
UniRef90_UPI00037732A9 Q R L L M R M D K I M P L S K Y A L E R M G Y A R F S R R Q A S R K F F Y F H A
UniRef90_W5YX47 K E T I L K I S G K A V G S R E T V L K K A L K S L D L R E C Y R Q I R V M P H
UniRef90_X7B8K2 E A T V G D E G L S A R Q M R N H Y A S A G Y A R I H P L Q T W R Q V R M V D Q
UniRef90_T2LF08 Q H I K Q A F P Q T L S D A K S R L P Q R H L A R L H L K Q S W R Q L P I A Q A
UniRef90_T5JCH0 H Q L Y N S L N E I S K I E M D N F L H A R L S R L H I K Q V Y R H I Y S I E N
lupas_21
lupas_14
lupas_28
jnet
conf 9 9 9 9 8 7 4 4 8 8 6 6 8 9 9 9 9 9 9 8 5 1 4 6 2 1 4 4 3 0 2 3 6 8 8 6 3 7 8
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
sol5 B B B B B B B B
sol0 B B B B
jhmm
jpssm


170
180
190
200
UniRef90_UPI000381531F
UniRef90_F9TDP8
UniRef90_D3SGT9
UniRef90_UPI000470DA20
UniRef90_A1TZX7
UniRef90_A1U7U6
UniRef90_F7SSR3
UniRef90_UPI00037732A9
UniRef90_W5YX47
UniRef90_X7B8K2
UniRef90_T2LF08
UniRef90_T5JCH0
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


210
220
230
240
UniRef90_UPI000381531F
UniRef90_F9TDP8
UniRef90_D3SGT9
UniRef90_UPI000470DA20
UniRef90_A1TZX7
UniRef90_A1U7U6
UniRef90_F7SSR3
UniRef90_UPI00037732A9
UniRef90_W5YX47
UniRef90_X7B8K2
UniRef90_T2LF08
UniRef90_T5JCH0

lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


250
260
270
280
UniRef90_UPI000381531F
UniRef90_F9TDP8
UniRef90_D3SGT9
UniRef90_UPI000470DA20
UniRef90_A1TZX7
UniRef90_A1U7U6
UniRef90_F7SSR3
UniRef90_UPI00037732A9
UniRef90_W5YX47
UniRef90_X7B8K2
UniRef90_T2LF08
UniRef90_T5JCH0
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


290
300
UniRef90_UPI000381531F P R K G R R D R R I A D T P I I A H T P I H T L E
UniRef90_F9TDP8 G D Q R R R P A Q E S G E P L I L A L D L Y
UniRef90_D3SGT9 P R A D R R I E S E P L I D H A P I Y C A
UniRef90_UPI000470DA20 S K A R S K F E E Q P Y I S T L R L Y R Y K P E
UniRef90_A1TZX7 S Q P P R L A R Q S S L E P I V D A L R L Y
UniRef90_A1U7U6
UniRef90_F7SSR3 T R A K R R D E K L E D D V Y L P S L R I F
UniRef90_UPI00037732A9 P L R L K R I D V E Q D E V F L P S I H R Y L P E
UniRef90_W5YX47 P I R L Q R E S K I E P E P V V Q S L H R Y V
UniRef90_X7B8K2 Q A I R R D S Q A A P R Y P L
UniRef90_T2LF08 T R A R R R D E K L E Q D V F L P S L R I Y
UniRef90_T5JCH0 V S T R S D S T I E P E P F L P S I S V Y
lupas_21
lupas_14
lupas_28
jnet
conf 4 5 6 7 7 7 7 7 7 6 6 4 2 1 0 1 1 2 3 2 1 2 7 9
sol25 B B B B B B B B B
sol5 B B B B
sol0 B B
jhmm
jpssm