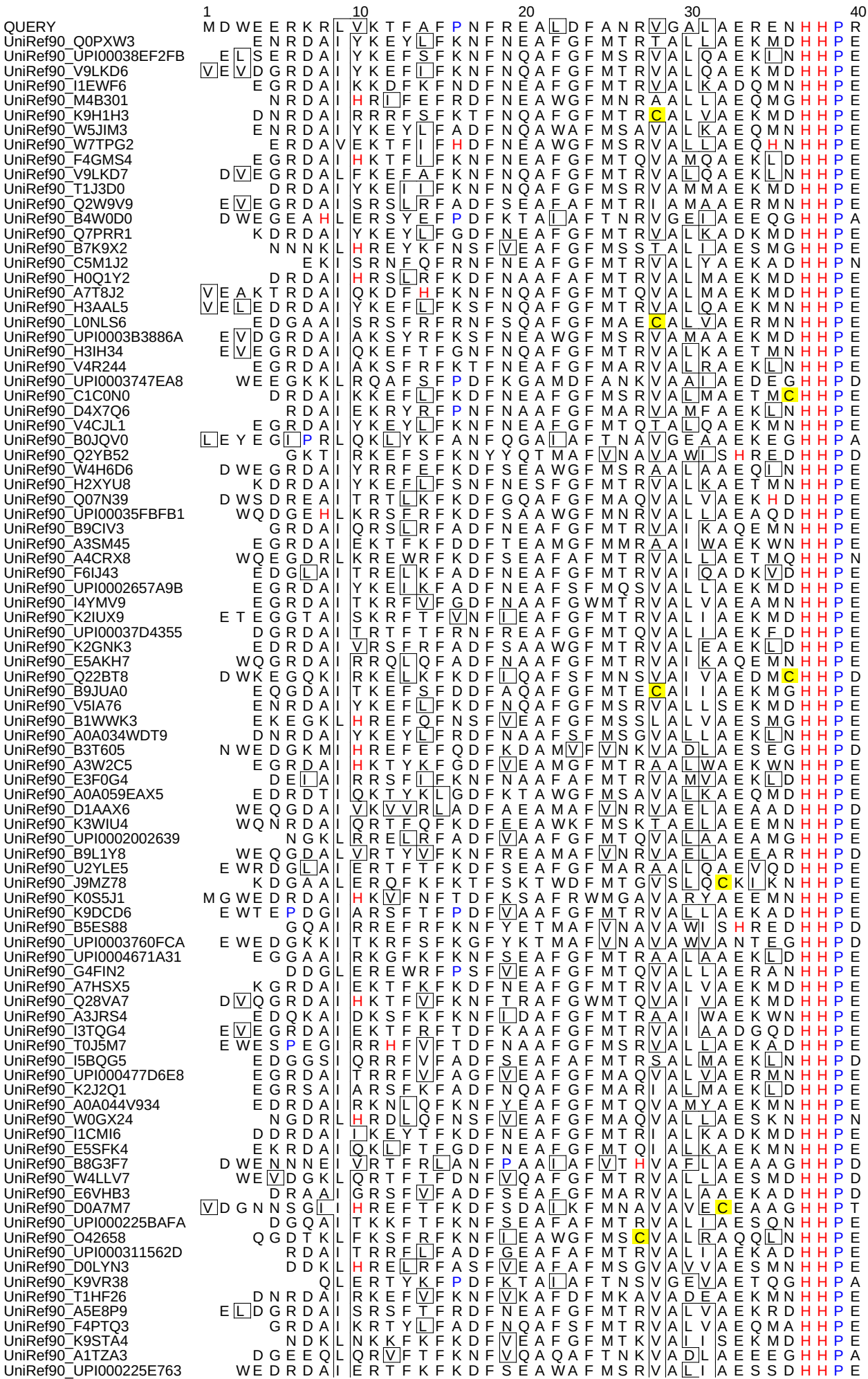
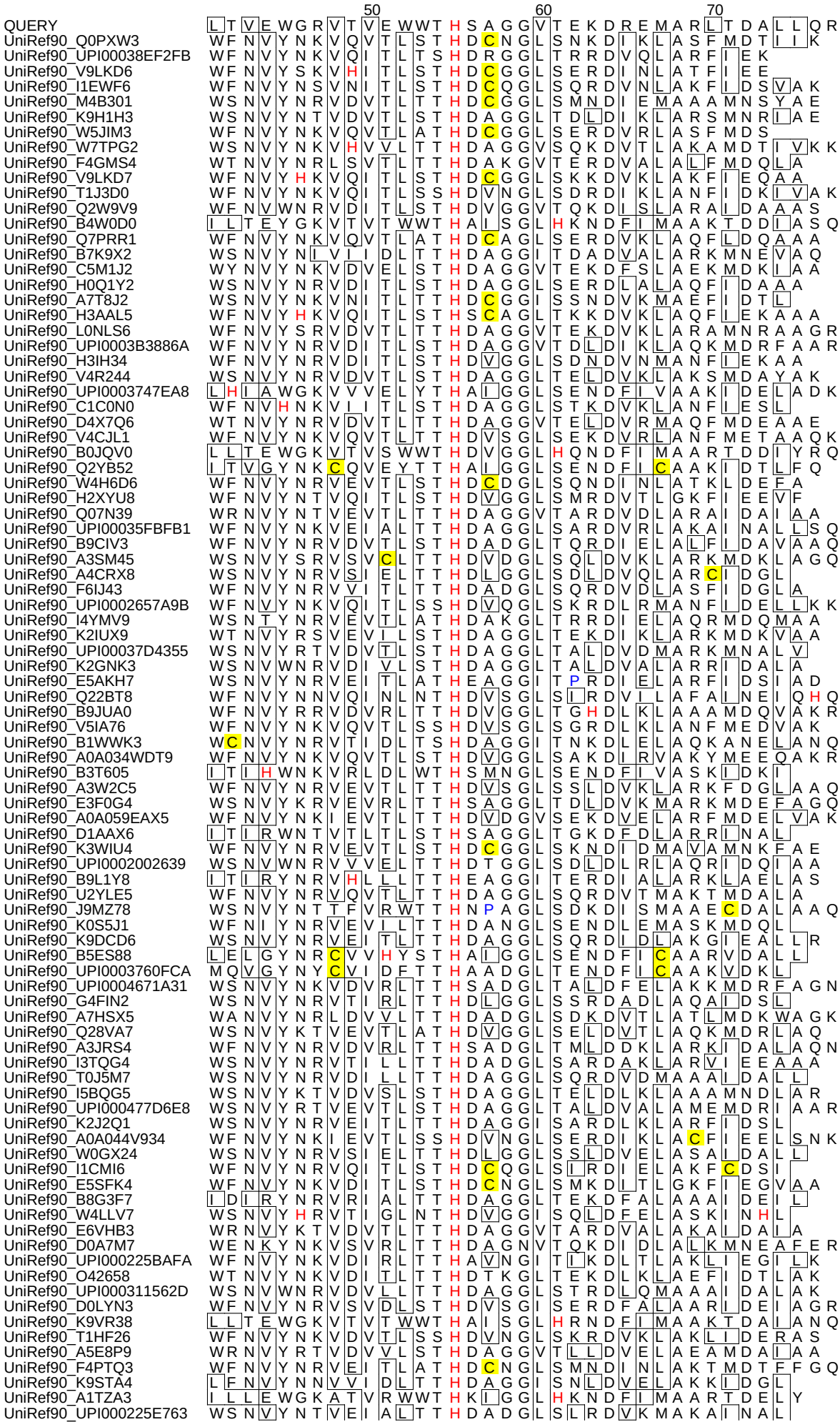
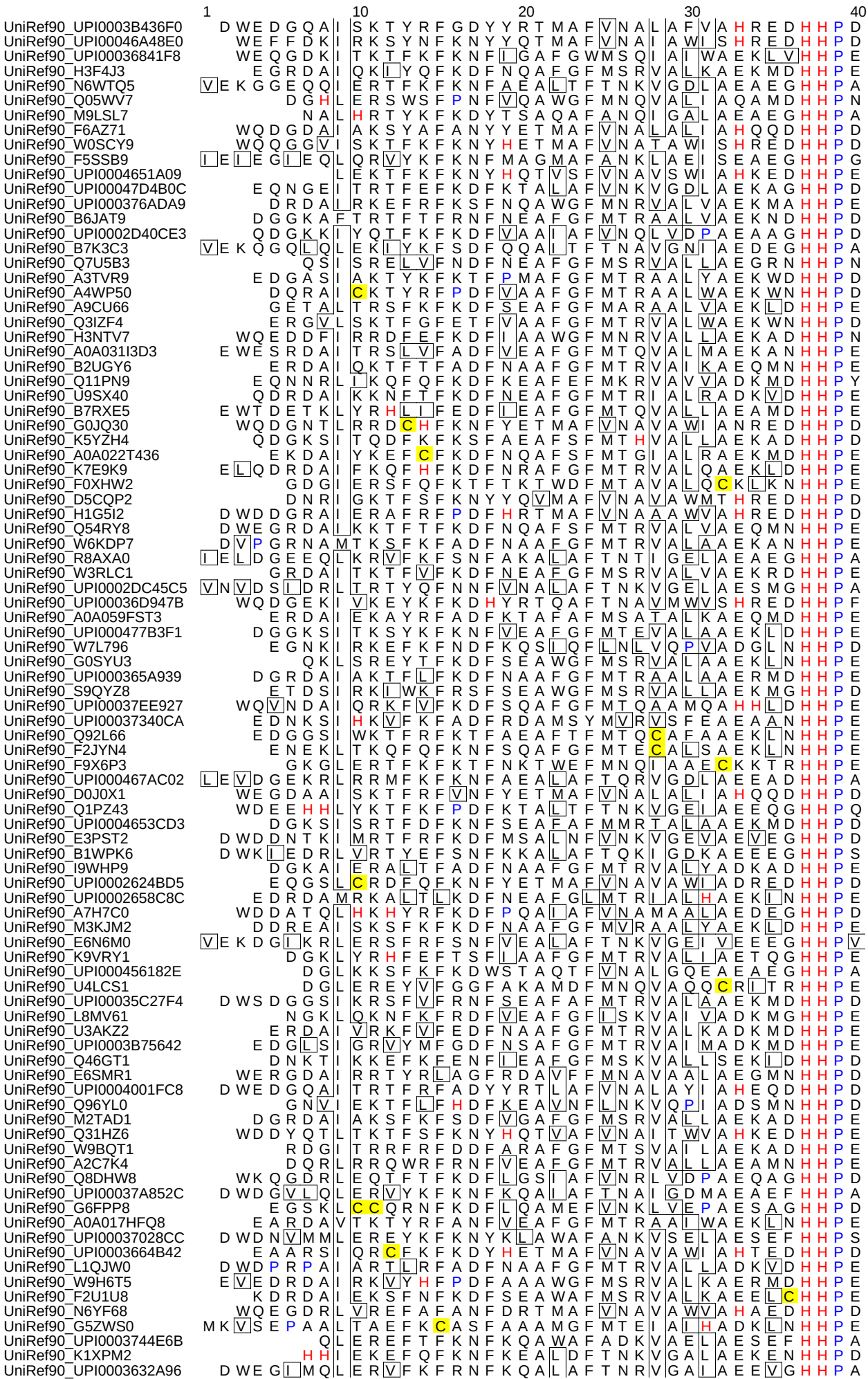
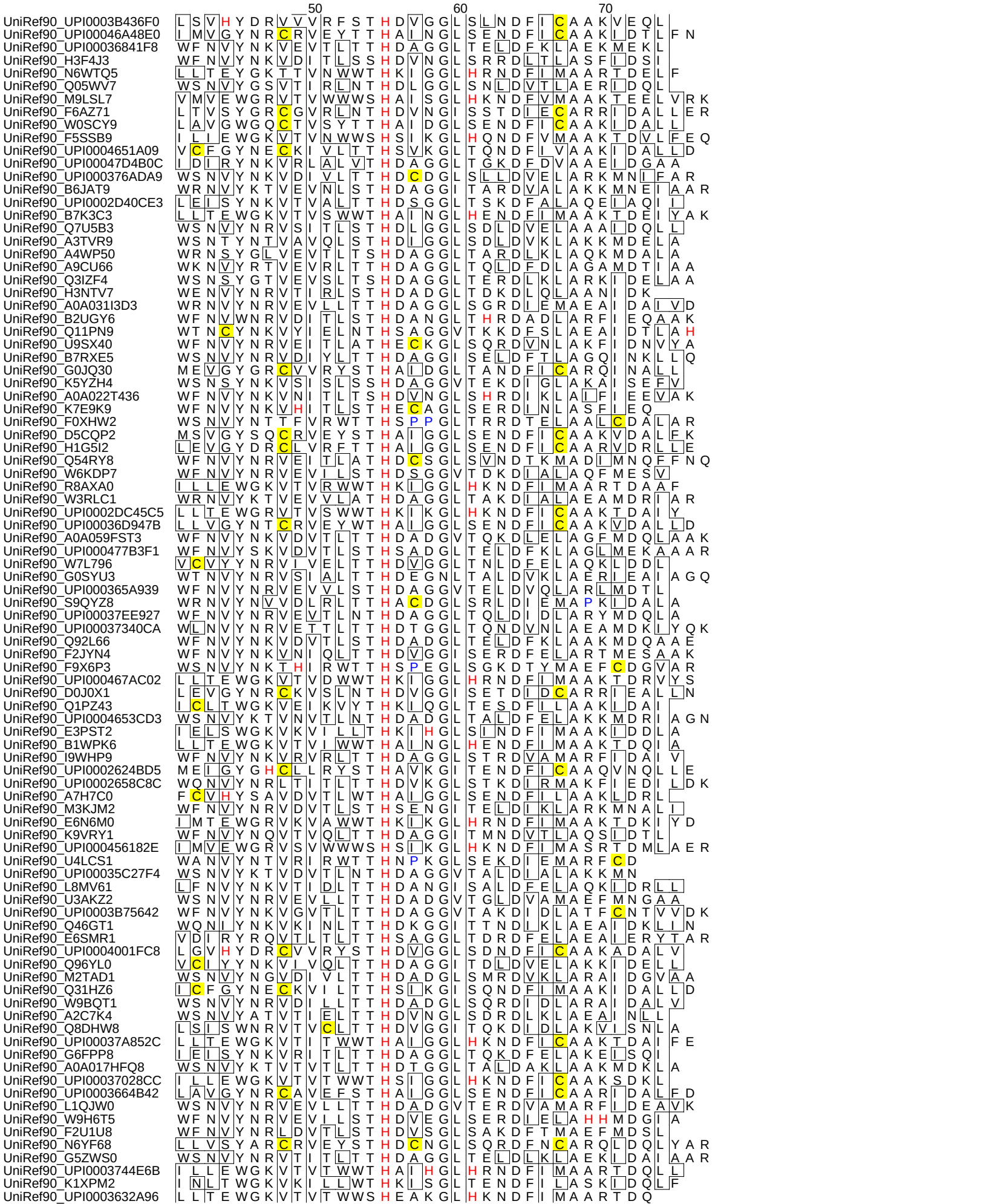
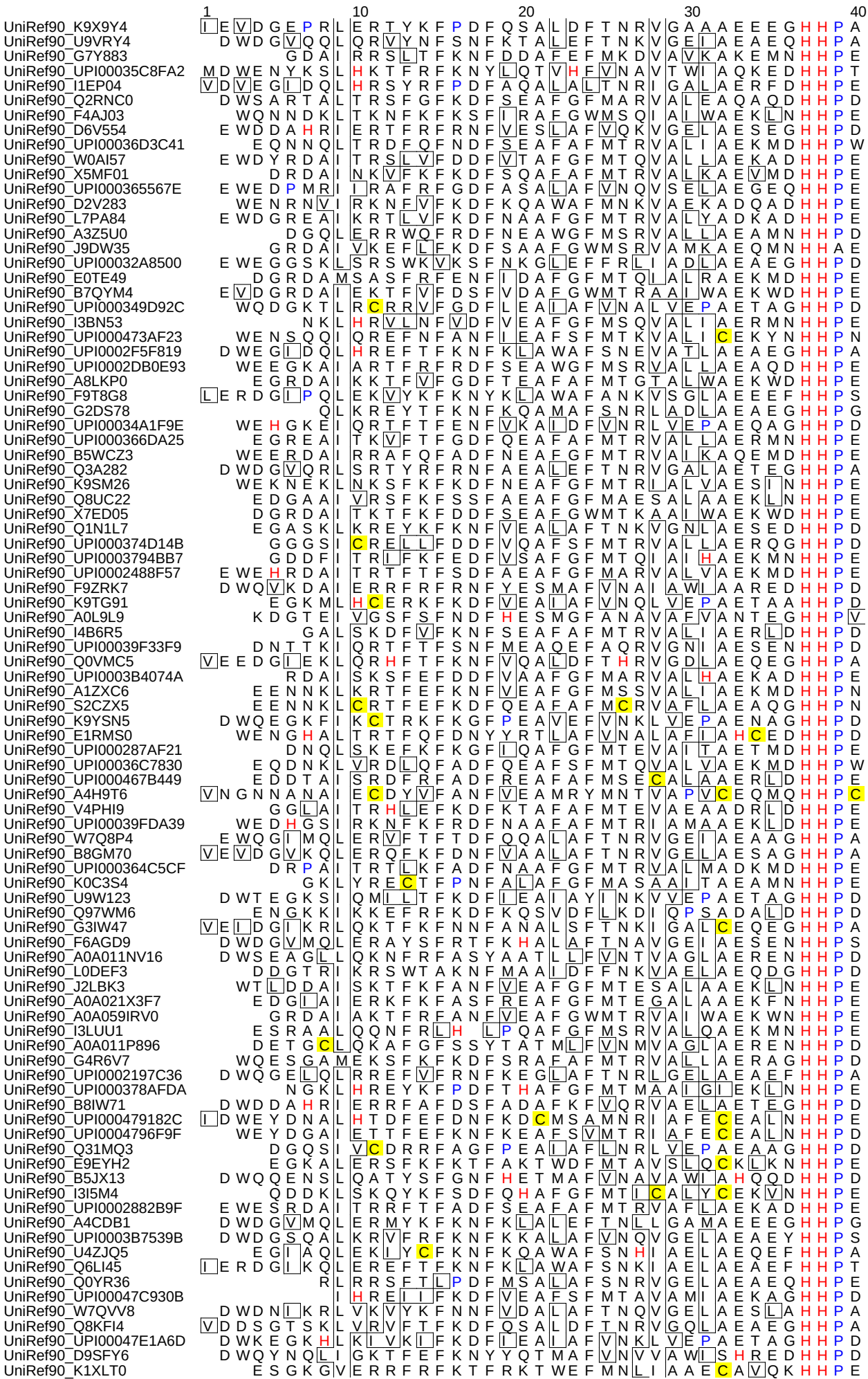
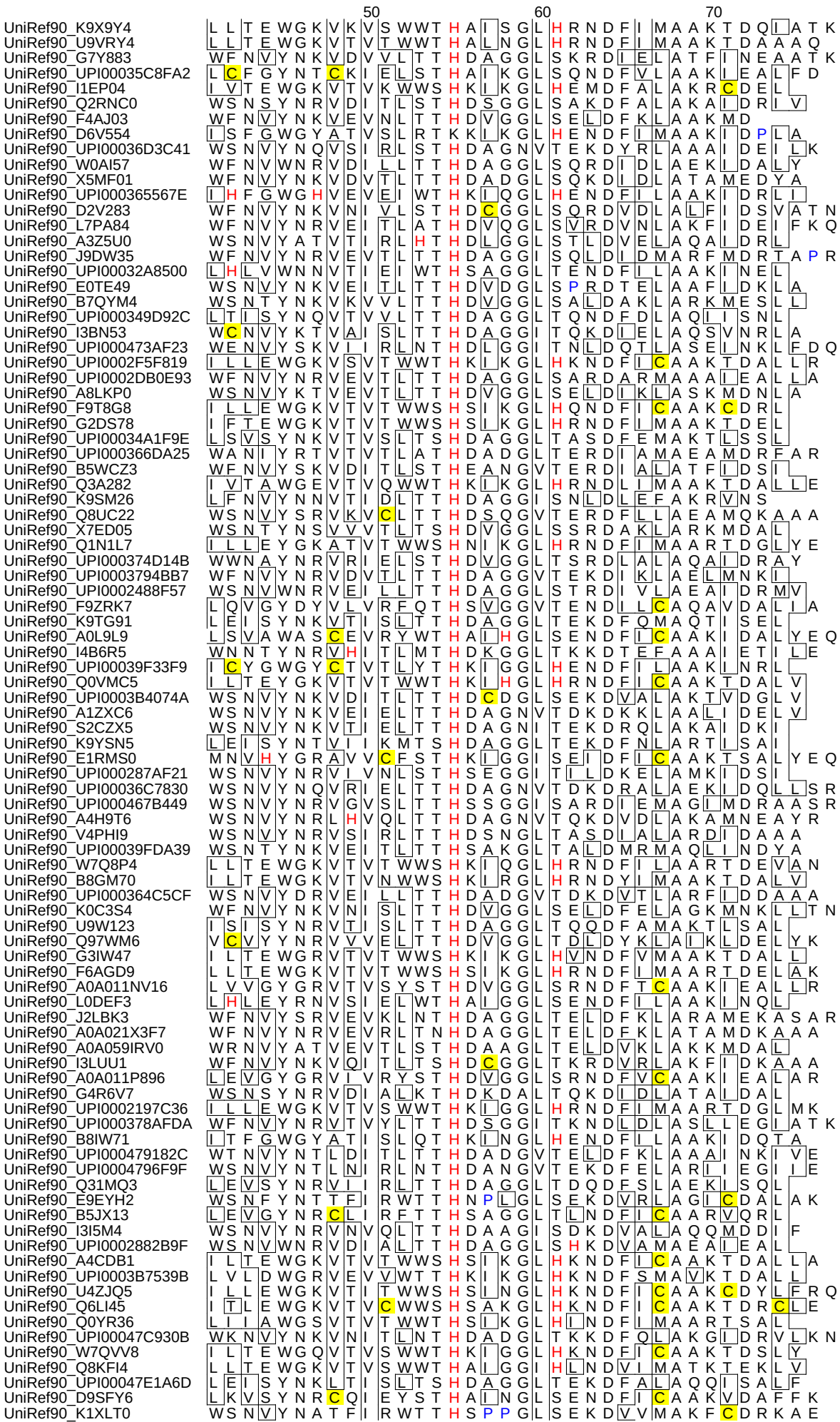

1 10 20 30 40
QUERY M D W E E R K R L V K T F A F P N F R E A L D F A N R V G A L A E R E N H H P R
UniRef90_Q0PXW3 E N R D A I Y K E Y L F K N F N E A F G F M T R T A L L A E K M D H H P E
UniRef90_UPI00038EF2FB E L S E R D A I Y K E F S F K N F N Q A F G F M S R V A L Q A E K I N H H P E
UniRef90_V9LKD6 V E V D G R D A I Y K E F I F K N F N Q A F G F M T R V A L Q A E K M D H H P E
UniRef90_I1EWF6 E G R D A I K K D F K F N D F N E A F G F M T R V A L K A D Q M N H H P E
UniRef90_M4B301 N R D A I H R I F E F R D F N E A W G F M N R A A L L A E Q M G H H P E
UniRef90_K9H1H3 D N R D A I R R R F S F K T F N Q A F G F M T R C A L V A E K M D H H P E
UniRef90_W5JIM3 E N R D A I Y K E Y L F A D F N Q A W A F M S A V A L K A E Q M N H H P E
UniRef90_W7TPG2 E R D A V E K T F I F H D F N E A W G F M S R V A L L A E Q H N H H P E
UniRef90_F4GMS4 E G R D A I H K T F I F K N F N E A F G F M T Q V A M Q A E K L D H H P E
UniRef90_V9LKD7 D V E G R D A L F K E F A F K N F N Q A F G F M T R V A L Q A E K L N H H P E
UniRef90_T1J3D0 D R D A I Y K E I I F K N F N Q A F G F M S R V A M M A E K M D H H P E
UniRef90_Q2W9V9 E V E G R D A I S R S L R F A D F S E A F A F M T R I A M A A E R M N H H P E
UniRef90_B4W0D0 D W E G E A H L E R S Y E F P D F K T A I A F T N R V G E I A E E Q G H H P A
UniRef90_Q7PRR1 K D R D A I Y K E Y L F G D F N E A F G F M T R V A L K A D K M D H H P E
UniRef90_B7K9X2 N N N K L H R E Y K F N S F V E A F G F M S S T A L I A E S M G H H P E
UniRef90_C5M1J2 E K I S R N F Q F R N F N E A F G F M T R V A L Y A E K A D H H P N
UniRef90_H0Q1Y2 D R D A I H R S L R F K D F N A A F A F M T R V A L M A E K M D H H P E
UniRef90_A7T8J2 V E A K T R D A I Q K D F H F K N F N Q A F G F M T Q V A L M A E K M D H H P E
UniRef90_H3AAL5 V E L E D R D A I Y K E F L F K S F N Q A F G F M T R V A L Q A E K M N H H P E
UniRef90_L0NLS6 E D G A A I S R S F R F R N F S Q A F G F M A E C A L V A E R M N H H P E
UniRef90_UPI0003B3886A E V D G R D A I A K S Y R F K S F N E A W G F M S R V A M A A E K M D H H P E
UniRef90_H3IH34 E V E G R D A I Q K E F T F G N F N Q A F G F M T R V A L K A E T M N H H P E
UniRef90_V4R244 E G R D A I A K S F R F K T F N E A F G F M A R V A L R A E K L N H H P E
UniRef90_UPI0003747EA8 W E E G K K L R Q A F S F P D F K G A M D F A N K V A A I A E D E G H H P D
UniRef90_C1C0N0 D R D A I K K E F L F K D F N E A F G F M S R V A L M A E T M C H H P E
UniRef90_D4X7Q6 R D A I E K R Y R F P N F N A A F G F M A R V A M F A E K L N H H P E
UniRef90_V4CJL1 E G R D A I Y K E Y L F K N F N E A F G F M T Q T A L Q A E K M N H H P E
UniRef90_B0JQV0 L E Y E G I P R L Q K L Y K F A N F Q G A I A F T N A V G E A A E K E G H H P A
UniRef90_Q2YB52 G K T I R K E F S F K N Y Y Q T M A F V N A V A W I S H R E D H H P D
UniRef90_W4H6D6 D W E G R D A I Y R R F E F K D F S E A W G F M S R A A L A A E Q I N H H P E
UniRef90_H2XYU8 K D R D A I Y K E F L F S N F N E S F G F M T R V A L K A E T M N H H P E
UniRef90_Q07N39 D W S D R E A I T R T L K F K D F G Q A F G F M A Q V A L V A E K H D H H P E
UniRef90_UPI00035FBFB1 W Q D G E H L K R S F R F K D F S A A W G F M N R V A L L A E A Q D H H P E
UniRef90_B9CIV3 G R D A I Q R S L R F A D F N E A F G F M T R V A I K A Q E M N H H P E
UniRef90_A3SM45 E G R D A I E K T F K F D D F T E A M G F M M R A A I W A E K W N H H P E
UniRef90_A4CRX8 W Q E G D R L K R E W R F K D F S E A F A F M T R V A L L A E T M Q H H P N
UniRef90_F6IJ43 E D G L A I T R E L K F A D F N E A F G F M T R V A I Q A D K V D H H P E
UniRef90_UPI0002657A9B E G R D A I Y K E I K F A D F N E A F S F M Q S V A L L A E K M D H H P E
UniRef90_I4YMV9 E G R D A I T K R F V F G D F N A A F G W M T R V A L V A E A M N H H P E
UniRef90_K2IUX9 E T E G G T A I S K R F T F V N F I E A F G F M T R V A L I A E K M D H H P E
UniRef90_UPI00037D4355 D G R D A I T R T F T F R N F R E A F G F M T Q V A L I A E K F D H H P E
UniRef90_K2GNK3 E D R D A I V R S F R F A D F S A A W G F M T R V A L E A E K L D H H P E
UniRef90_E5AKH7 W Q G R D A I R R Q L Q F A D F N A A F G F M T R V A I K A Q E M N H H P E
UniRef90_Q22BT8 D W K E G Q K I R K E L K F K D F I Q A F S F M N S V A I V A E D M C H H P D
UniRef90_B9JUA0 E Q G D A I T K E F S F D D F A Q A F G F M T E C A I I A E K M G H H P E
UniRef90_V5IA76 E N R D A I Y K E F L F K D F N Q A F G F M S R V A L L S E K M D H H P E
UniRef90_B1WWK3 E K E G K L H R E F Q F N S F V E A F G F M S S L A L V A E S M G H H P E
UniRef90_A0A034WDT9 D N R D A I Y K E Y L F R D F N A A F S F M S G V A L L A E K L N H H P E
UniRef90_B3T605 N W E D G K M I H R E F E F Q D F K D A M V F V N K V A D L A E S E G H H P D
UniRef90_A3W2C5 E G R D A I H K T Y K F G D F V E A M G F M T R A A L W A E K W N H H P E
UniRef90_E3F0G4 D E I A I R R S F I F K N F N A A F A F M T R V A M V A E K L D H H P E
UniRef90_A0A059EAX5 E D R D T I Q K T Y K L G D F K T A W G F M S A V A L K A E Q M D H H P E
UniRef90_D1AAX6 W E Q G D A I V K V V R L A D F A E A M A F V N R V A E L A E A A D H H P D
UniRef90_K3WIU4 W Q N R D A I Q R T F Q F K D F E E A W K F M S K T A E L A E E M N H H P E
UniRef90_UPI0002002639 N G K L R R E L R F A D F V A A F G F M T Q V A L A A E A M G H H P E
UniRef90_B9L1Y8 W E Q G D A L V R T Y V F K N F R E A M A F V N R V A E L A E E A R H H P D
UniRef90_U2YLE5 E W R D G L A I E R T F T F K D F S E A F G F M A R A A L Q A E V Q D H H P E
UniRef90_J9MZ78 K D G A A L E R Q F K F K T F S K T W D F M T G V S L Q C K I K N H H P E
UniRef90_K0S5J1 M G W E D R D A I H K V F N F T D F K S A F R W M G A V A R Y A E E M N H H P E
UniRef90_K9DCD6 E W T E P D G I A R S F T F P D F V A A F G F M T R V A L L A E K A D H H P E
UniRef90_B5ES88 G Q A I R R E F R F K N F Y E T M A F V N A V A W I S H R E D H H P D
UniRef90_UPI0003760FCA E W E D G K K I T K R F S F K G F Y K T M A F V N A V A W V A N T E G H H P D
UniRef90_UPI0004671A31 E G G A A I R K G F K F K N F S E A F G F M T R A A L A A E K L D H H P E
UniRef90_G4FIN2 D D G L E R E W R F P S F V E A F G F M T Q V A L L A E R A N H H P E
UniRef90_A7HSX5 K G R D A I E K T F K F K D F N E A F G F M T R V A L V A E K M D H H P E
UniRef90_Q28VA7 D V Q G R D A I H K T F V F K N F T R A F G W M T Q V A I V A E K M D H H P E
UniRef90_A3JRS4 E D Q K A I D K S F K F K N F I D A F G F M T R A A I W A E K W N H H P E
UniRef90_I3TQG4 E V E G R D A I E K T F R F T D F K A A F G F M T R V A I A A D G Q D H H P E
UniRef90_T0J5M7 E W E S P E G I R R H F V F T D F N A A F G F M S R V A L L A E K A D H H P E
UniRef90_I5BQG5 E D G G S I Q R R F V F A D F S E A F A F M T R S A L M A E K L N H H P D
UniRef90_UPI000477D6E8 E G R D A I T R R F V F A G F V E A F G F M A Q V A L V A E R M N H H P E
UniRef90_K2J2Q1 E G R S A I A R S F K F A D F N Q A F G F M A R I A L M A E K L D H H P E
UniRef90_A0A044V934 E D R D A I R K N L Q F K N F Y E A F G F M T Q V A M Y A E K M N H H P E
UniRef90_W0GX24 N G D R L H R D L Q F N S F V E A F G F M A Q V A L L A E S K N H H P N
UniRef90_I1CMI6 D D R D A I I K E Y T F K D F N E A F G F M T R I A L K A D K M D H H P E
UniRef90_E5SFK4 E K R D A I Q K L F T F G D F N E A F G F M T Q I A L K A E K M N H H P E
UniRef90_B8G3F7 D W E N N N E I V R T F R L A N F P A A I A F V T H V A F L A E A A G H H P D
UniRef90_W4LLV7 W E V D G K L Q R T F T F D N F V Q A F G F M T R V A L L A E S M D H H P D
UniRef90_E6VHB3 D R A A I G R S F V F A D F S E A F G F M A R V A L A A E K A D H H P D
UniRef90_D0A7M7 V D G N N S G I I H R E F T F K D F S D A I K F M N A V A V E C E A A G H H P T
UniRef90_UPI000225BAFA D G Q A I T K K F T F K N F S E A F A F M T R V A L I A E S Q N H H P E
UniRef90_O42658 Q G D T K L F K S F R F K N F I E A W G F M S C V A L R A Q Q L N H H P E
UniRef90_UPI000311562D R D A I T R R F L F A D F G E A F A F M T R V A L I A E K A D H H P E
UniRef90_D0LYN3 D D K L H R E L R F A S F V E A F A F M S G V A V V A E S M N H H P E
UniRef90_K9VR38 Q L E R T Y K F P D F K T A I A F T N S V G E V A E T Q G H H P A
UniRef90_T1HF26 D N R D A I R K E F V F K N F V K A F D F M K A V A D E A E K M N H H P E
UniRef90_A5E8P9 E L D G R D A I S R S F T F R D F N E A F G F M T R V A L V A E K R D H H P E
UniRef90_F4PTQ3 G R D A I K R T Y L F A D F N Q A F S F M T R V A L V A E Q M A H H P E
UniRef90_K9STA4 N D K L N K K F K F K D F V E A F G F M T K V A L I S E K M D H H P E
UniRef90_A1TZA3 D G E E Q L Q R V F T F K N F V Q A Q A F T N K V A D L A E E E G H H P A
UniRef90_UPI000225E763 W E D R D A I E R T F K F K D F S E A W A F M S R V A L I A E S S D H H P E

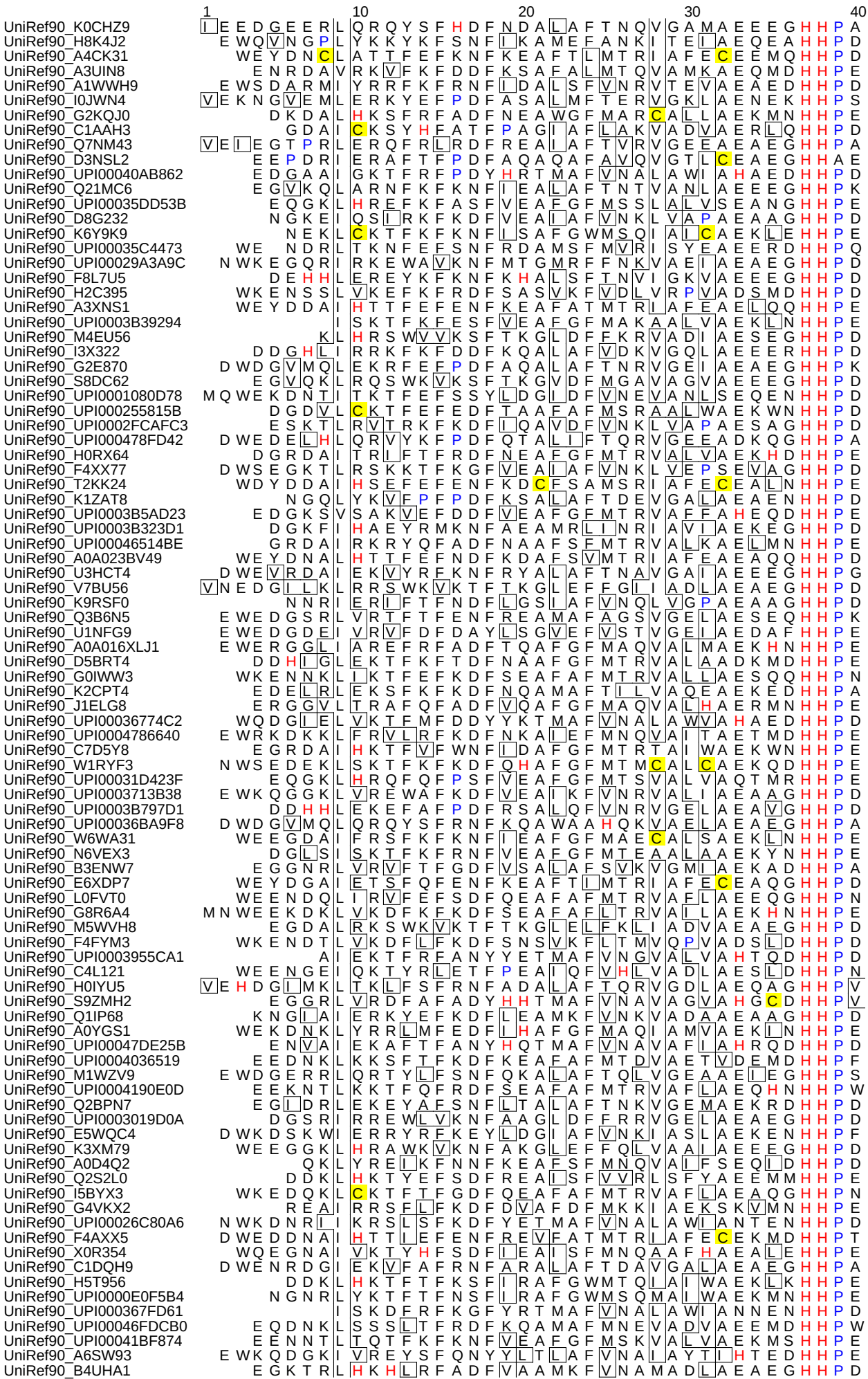

50
60
70
QUERY
UniRef90_Q0PXW3
UniRef90_UPI00038EF2FB
UniRef90_V9LKD6
UniRef90_I1EWF6
UniRef90_M4B301
UniRef90_K9H1H3
UniRef90_W5JIM3
UniRef90_W7TPG2
UniRef90_F4GMS4
UniRef90_V9LKD7
UniRef90_T1J3D0
UniRef90_Q2W9V9
UniRef90_B4W0D0
UniRef90_Q7PRR1
UniRef90_B7K9X2
UniRef90_C5M1J2
UniRef90_H0Q1Y2
UniRef90_A7T8J2
UniRef90_H3AAL5
UniRef90_L0NLS6
UniRef90_UPI0003B3886A
UniRef90_H3IH34
UniRef90_V4R244
UniRef90_UPI0003747EA8
UniRef90_C1C0N0
UniRef90_D4X7Q6
UniRef90_V4CJL1
UniRef90_B0JQV0
UniRef90_Q2YB52
UniRef90_W4H6D6
UniRef90_H2XYU8
UniRef90_Q07N39
UniRef90_UPI00035FBFB1
UniRef90_B9CIV3
UniRef90_A3SM45
UniRef90_A4CRX8
UniRef90_F6IJ43
UniRef90_UPI0002657A9B
UniRef90_I4YMV9
UniRef90_K2IUX9
UniRef90_UPI00037D4355
UniRef90_K2GNK3
UniRef90_E5AKH7
UniRef90_Q22BT8
UniRef90_B9JUA0
UniRef90_V5IA76
UniRef90_B1WWK3
UniRef90_A0A034WDT9
UniRef90_B3T605
UniRef90_A3W2C5
UniRef90_E3F0G4
UniRef90_A0A059EAX5
UniRef90_D1AAX6
UniRef90_K3WIU4
UniRef90_UPI0002002639
UniRef90_B9L1Y8
UniRef90_U2YLE5
UniRef90_J9MZ78
UniRef90_K0S5J1
UniRef90_K9DCD6
UniRef90_B5ES88
UniRef90_UPI0003760FCA
UniRef90_UPI0004671A31
UniRef90_G4FIN2
UniRef90_A7HSX5
UniRef90_Q28VA7
UniRef90_A3JRS4
UniRef90_I3TQG4
UniRef90_T0J5M7
UniRef90_I5BQG5
UniRef90_UPI000477D6E8
UniRef90_K2J2Q1
UniRef90_A0A044V934
UniRef90_W0GX24
UniRef90_I1CMI6
UniRef90_E5SFK4
UniRef90_B8G3F7
UniRef90_W4LLV7
UniRef90_E6VHB3
UniRef90_D0A7M7
UniRef90_UPI000225BAFA
UniRef90_O42658
UniRef90_UPI000311562D
UniRef90_D0LYN3
UniRef90_K9VR38
UniRef90_T1HF26
UniRef90_A5E8P9
UniRef90_F4PTQ3
UniRef90_K9STA4
UniRef90_A1TZA3
UniRef90_UPI000225E763

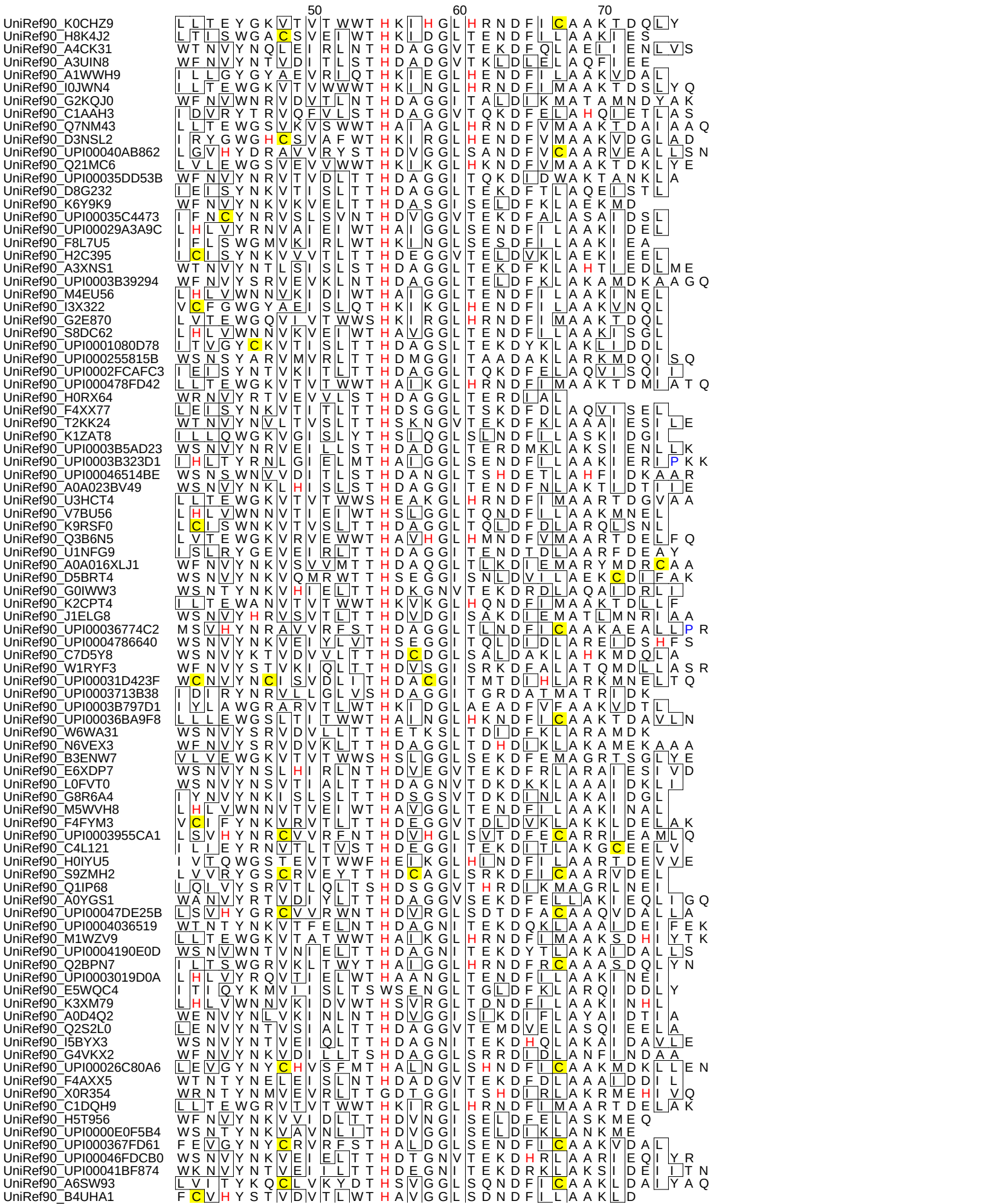

1
10
20
30
40
UniRef90_UPI0003B436F0
UniRef90_UPI00046A48E0
UniRef90_UPI00036841F8
UniRef90_H3F4J3
UniRef90_N6WTQ5
UniRef90_Q05WV7
UniRef90_M9LSL7
UniRef90_F6AZ71
UniRef90_W0SCY9
UniRef90_F5SSB9
UniRef90_UPI0004651A09
UniRef90_UPI00047D4B0C
UniRef90_UPI000376ADA9
UniRef90_B6JAT9
UniRef90_UPI0002D40CE3
UniRef90_B7K3C3
UniRef90_Q7U5B3
UniRef90_A3TVR9
UniRef90_A4WP50
UniRef90_A9CU66
UniRef90_Q3IZF4
UniRef90_H3NTV7
UniRef90_A0A031I3D3
UniRef90_B2UGY6
UniRef90_Q11PN9
UniRef90_U9SX40
UniRef90_B7RXE5
UniRef90_G0JQ30
UniRef90_K5YZH4
UniRef90_A0A022T436
UniRef90_K7E9K9
UniRef90_F0XHW2
UniRef90_D5CQP2
UniRef90_H1G5I2
UniRef90_Q54RY8
UniRef90_W6KDP7
UniRef90_R8AXA0
UniRef90_W3RLC1
UniRef90_UPI0002DC45C5
UniRef90_UPI00036D947B
UniRef90_A0A059FST3
UniRef90_UPI000477B3F1
UniRef90_W7L796
UniRef90_G0SYU3
UniRef90_UPI000365A939
UniRef90_S9QYZ8
UniRef90_UPI00037EE927
UniRef90_UPI00037340CA
UniRef90_Q92L66
UniRef90_F2JYN4
UniRef90_F9X6P3
UniRef90_UPI000467AC02
UniRef90_D0J0X1
UniRef90_Q1PZ43
UniRef90_UPI0004653CD3
UniRef90_E3PST2
UniRef90_B1WPK6
UniRef90_I9WHP9
UniRef90_UPI0002624BD5
UniRef90_UPI0002658C8C
UniRef90_A7H7C0
UniRef90_M3KJM2
UniRef90_E6N6M0
UniRef90_K9VRY1
UniRef90_UPI00456182E
UniRef90_U4LCS1
UniRef90_UPI00035C27F4
UniRef90_L8MV61
UniRef90_U3AKZ2
UniRef90_UPI0003B75642
UniRef90_Q46GT1
UniRef90_E6SMR1
UniRef90_UPI0004001FC8
UniRef90_Q96YL0
UniRef90_M2TAD1
UniRef90_Q31HZ6
UniRef90_W9BQT1
UniRef90_A2C7K4
UniRef90_Q8DHW8
UniRef90_UPI00037A852C
UniRef90_G6FPP8
UniRef90_A0A017HFQ8
UniRef90_UPI00037028CC
UniRef90_UPI0003664B42
UniRef90_L1QJW0
UniRef90_W9H6T5
UniRef90_F2U1U8
UniRef90_N6YF68
UniRef90_G5ZWS0
UniRef90_UPI0003744E6B
UniRef90_K1XPM2
UniRef90_UPI0003632A96

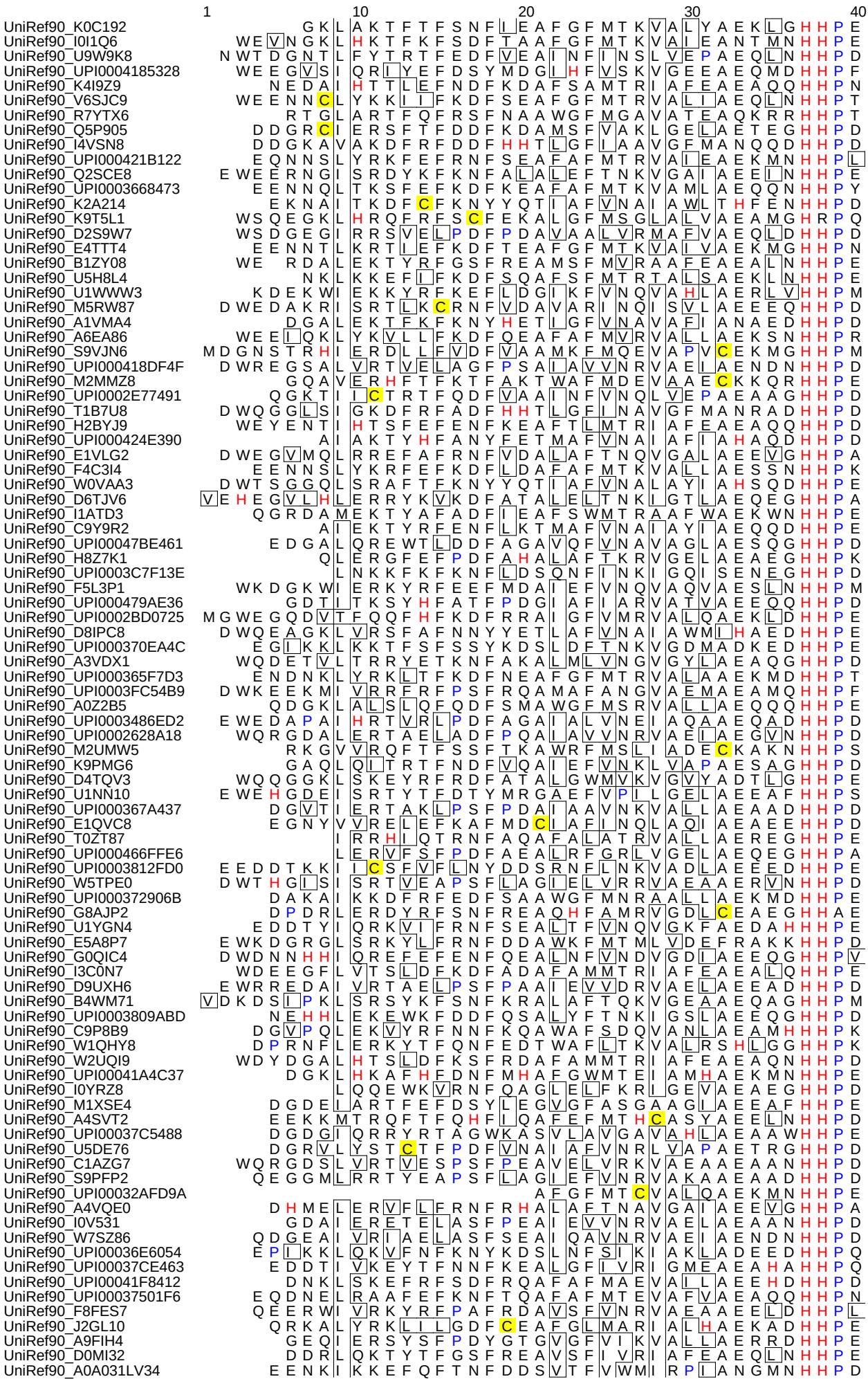

50
60
70
UniRef90_UPI0003B436F0
UniRef90_UPI00046A48E0
UniRef90_UPI00036841F8
UniRef90_H3F4J3
UniRef90_N6WTQ5
UniRef90_Q05WV7
UniRef90_M9LSL7
UniRef90_F6AZ71
UniRef90_W0SCY9
UniRef90_F5SSB9
UniRef90_UPI0004651A09
UniRef90_UPI00047D4B0C
UniRef90_UPI000376ADA9
UniRef90_B6JAT9
UniRef90_UPI0002D40CE3
UniRef90_B7K3C3
UniRef90_Q7U5B3
UniRef90_A3TVR9
UniRef90_A4WP50
UniRef90_A9CU66
UniRef90_Q3IZF4
UniRef90_H3NTV7
UniRef90_A0A031I3D3
UniRef90_B2UGY6
UniRef90_Q11PN9
UniRef90_U9SX40
UniRef90_B7RXE5
UniRef90_G0JQ30
UniRef90_K5YZH4
UniRef90_A0A022T436
UniRef90_K7E9K9
UniRef90_F0XHW2
UniRef90_D5CQP2
UniRef90_H1G5I2
UniRef90_Q54RY8
UniRef90_W6KDP7
UniRef90_R8AXA0
UniRef90_W3RLC1
UniRef90_UPI0002DC45C5
UniRef90_UPI00036D947B
UniRef90_A0A059FST3
UniRef90_UPI000477B3F1
UniRef90_W7L796
UniRef90_G0SYU3
UniRef90_UPI000365A939
UniRef90_S9QYZ8
UniRef90_UPI00037EE927
UniRef90_UPI00037340CA
UniRef90_Q92L66
UniRef90_F2JYN4
UniRef90_F9X6P3
UniRef90_UPI000467AC02
UniRef90_D0J0X1
UniRef90_Q1PZ43
UniRef90_UPI0004653CD3
UniRef90_E3PST2
UniRef90_B1WPK6
UniRef90_I9WHP9
UniRef90_UPI0002624BD5
UniRef90_UPI0002658C8C
UniRef90_A7H7C0
UniRef90_M3KJM2
UniRef90_E6N6M0
UniRef90_K9VRY1
UniRef90_UPI000456182E
UniRef90_U4LCS1
UniRef90_UPI00035C27F4
UniRef90_L8MV61
UniRef90_U3AKZ2
UniRef90_UPI0003B75642
UniRef90_Q46GT1
UniRef90_E6SMR1
UniRef90_UPI0004001FC8
UniRef90_Q96YL0
UniRef90_M2TAD1
UniRef90_Q31HZ6
UniRef90_W9BQT1
UniRef90_A2C7K4
UniRef90_Q8DHW8
UniRef90_UPI00037A852C
UniRef90_G6FPP8
UniRef90_A0A017HFQ8
UniRef90_UPI00037028CC
UniRef90_UPI0003664B42
UniRef90_L1QJW0
UniRef90_W9H6T5
UniRef90_F2U1U8
UniRef90_N6YF68
UniRef90_G5ZWS0
UniRef90_UPI0003744E6B
UniRef90_K1XPM2
UniRef90_UPI0003632A96

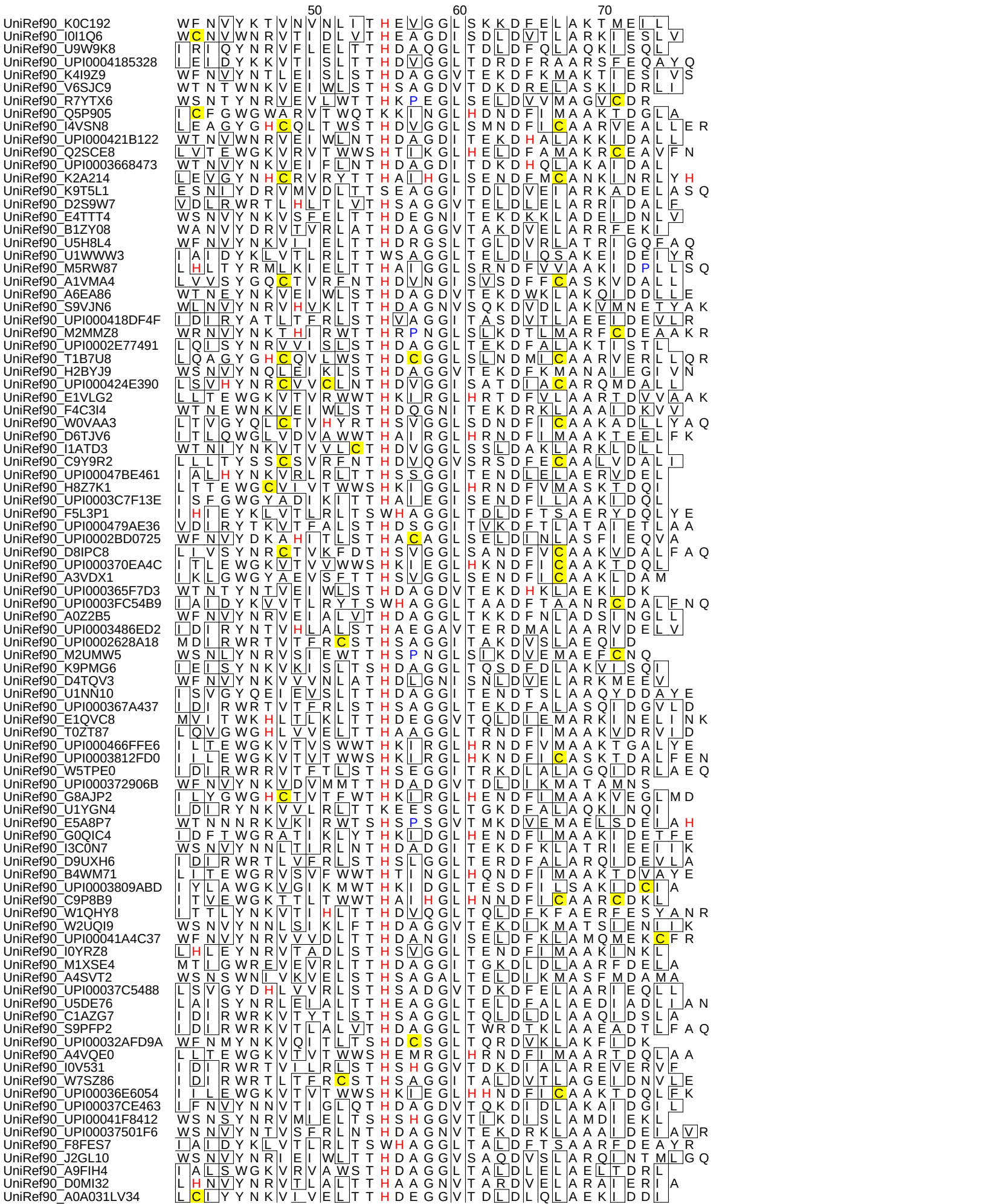

1
10
20
30
40
UniRef90_K9X9Y4
UniRef90_U9VRY4
UniRef90_G7Y883
UniRef90_UPI00035C8FA2
UniRef90_I1EP04
UniRef90_Q2RNC0
UniRef90_F4AJ03
UniRef90_D6V554
UniRef90_UPI00036D3C41
UniRef90_W0AI57
UniRef90_X5MF01
UniRef90_UPI000365567E
UniRef90_D2V283
UniRef90_L7PA84
UniRef90_A3Z5U0
UniRef90_J9DW35
UniRef90_UPI00032A8500
UniRef90_E0TE49
UniRef90_B7QYM4
UniRef90_UPI000349D92C
UniRef90_I3BN53
UniRef90_UPI000473AF23
UniRef90_UPI0002F5F819
UniRef90_UPI0002DB0E93
UniRef90_A8LKP0
UniRef90_F9T8G8
UniRef90_G2DS78
UniRef90_UPI00034A1F9E
UniRef90_UPI000366DA25
UniRef90_B5WCZ3
UniRef90_Q3A282
UniRef90_K9SM26
UniRef90_Q8UC22
UniRef90_X7ED05
UniRef90_Q1N1L7
UniRef90_UPI000374D14B
UniRef90_UPI0003794BB7
UniRef90_UPI0002488F57
UniRef90_F9ZRK7
UniRef90_K9TG91
UniRef90_A0L9L9
UniRef90_I4B6R5
UniRef90_UPI00039F33F9
UniRef90_Q0VMC5
UniRef90_UPI0003B4074A
UniRef90_A1ZXC6
UniRef90_S2CZX5
UniRef90_K9YSN5
UniRef90_E1RMS0
UniRef90_UPI000287AF21
UniRef90_UPI00036C7830
UniRef90_UPI000467B449
UniRef90_A4H9T6
UniRef90_V4PHI9
UniRef90_UPI00039FDA39
UniRef90_W7Q8P4
UniRef90_B8GM70
UniRef90_UPI000364C5CF
UniRef90_K0C3S4
UniRef90_U9W123
UniRef90_Q97WM6
UniRef90_G3IW47
UniRef90_F6AGD9
UniRef90_A0A011NV16
UniRef90_L0DEF3
UniRef90_J2LBK3
UniRef90_A0A021X3F7
UniRef90_A0A059IRV0
UniRef90_I3LUU1
UniRef90_A0A011P896
UniRef90_G4R6V7
UniRef90_UPI0002197C36
UniRef90_UPI000378AFDA
UniRef90_B8IW71
UniRef90_UPI000479182C
UniRef90_UPI0004796F9F
UniRef90_Q31MQ3
UniRef90_E9EYH2
UniRef90_B5JX13
UniRef90_I3I5M4
UniRef90_UPI0002882B9F
UniRef90_A4CDB1
UniRef90_UPI0003B7539B
UniRef90_U4ZJQ5
UniRef90_Q6LI45
UniRef90_Q0YR36
UniRef90_UPI00047C930B
UniRef90_W7QVV8
UniRef90_Q8KFI4
UniRef90_UPI00047E1A6D
UniRef90_D9SFY6
UniRef90_K1XLT0

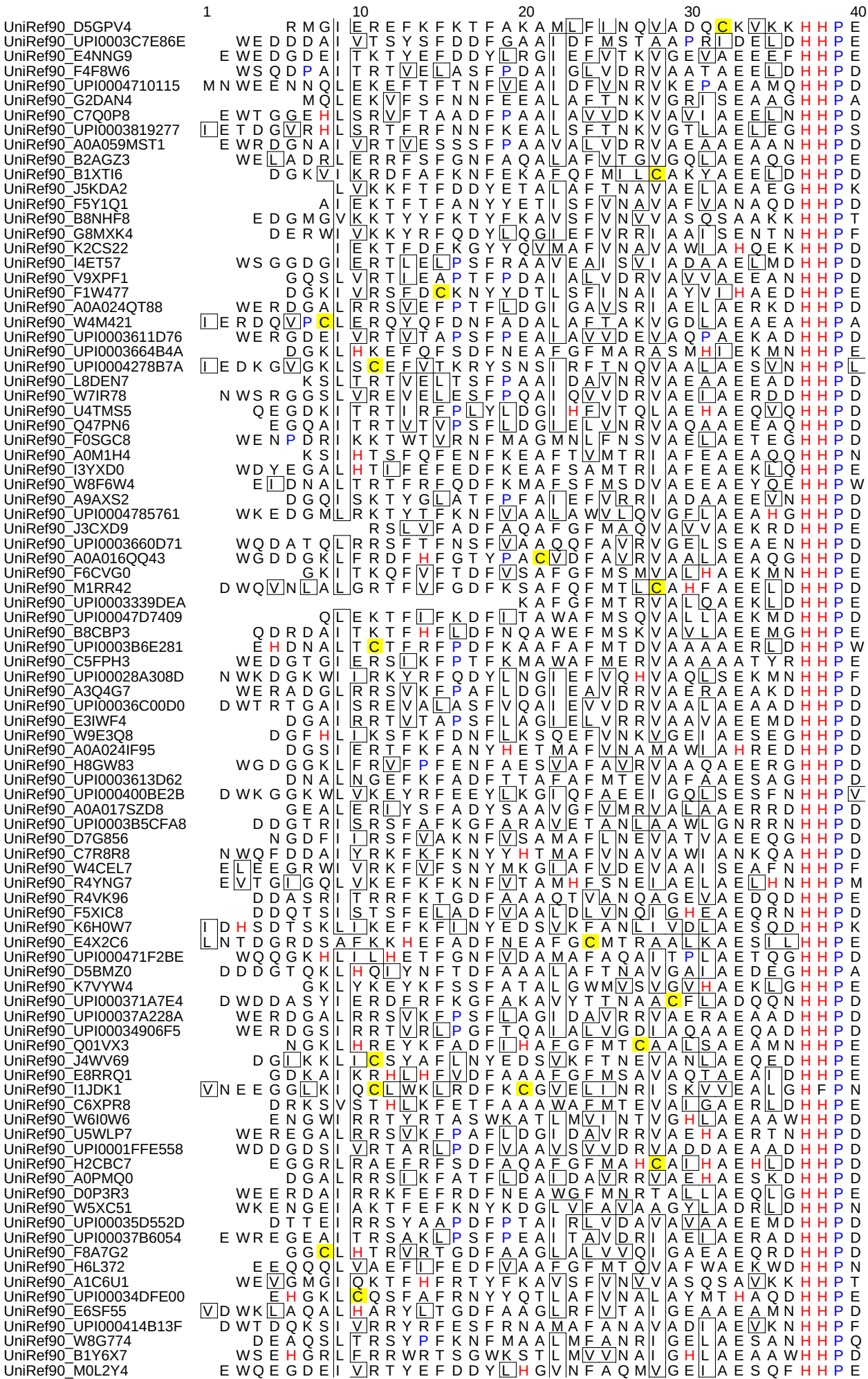

50
60
70
UniRef90_K9X9Y4
UniRef90_U9VRY4
UniRef90_G7Y883
UniRef90_UPI00035C8FA2
UniRef90_I1EP04
UniRef90_Q2RNC0
UniRef90_F4AJ03
UniRef90_D6V554
UniRef90_UPI00036D3C41
UniRef90_W0AI57
UniRef90_X5MF01
UniRef90_UPI000365567E
UniRef90_D2V283
UniRef90_L7PA84
UniRef90_A3Z5U0
UniRef90_J9DW35
UniRef90_UPI00032A8500
UniRef90_E0TE49
UniRef90_B7QYM4
UniRef90_UPI000349D92C
UniRef90_I3BN53
UniRef90_UPI000473AF23
UniRef90_UPI0002F5F819
UniRef90_UPI0002DB0E93
UniRef90_A8LKP0
UniRef90_F9T8G8
UniRef90_G2DS78
UniRef90_UPI00034A1F9E
UniRef90_UPI000366DA25
UniRef90_B5WCZ3
UniRef90_Q3A282
UniRef90_K9SM26
UniRef90_Q8UC22
UniRef90_X7ED05
UniRef90_Q1N1L7
UniRef90_UPI000374D14B
UniRef90_UPI0003794BB7
UniRef90_UPI0002488F57
UniRef90_F9ZRK7
UniRef90_K9TG91
UniRef90_A0L9L9
UniRef90_I4B6R5
UniRef90_UPI00039F33F9
UniRef90_Q0VMC5
UniRef90_UPI0003B4074A
UniRef90_A1ZXC6
UniRef90_S2CZX5
UniRef90_K9YSN5
UniRef90_E1RMS0
UniRef90_UPI000287AF21
UniRef90_UPI00036C7830
UniRef90_UPI000467B449
UniRef90_A4H9T6
UniRef90_V4PHI9
UniRef90_UPI00039FDA39
UniRef90_W7Q8P4
UniRef90_B8GM70
UniRef90_UPI000364C5CF
UniRef90_K0C3S4
UniRef90_U9W123
UniRef90_Q97WM6
UniRef90_G3IW47
UniRef90_F6AGD9
UniRef90_A0A011NV16
UniRef90_L0DEF3
UniRef90_J2LBK3
UniRef90_A0A021X3F7
UniRef90_A0A059IRV0
UniRef90_I3LUU1
UniRef90_A0A011P896
UniRef90_G4R6V7
UniRef90_UPI0002197C36
UniRef90_UPI000378AFDA
UniRef90_B8IW71
UniRef90_UPI000479182C
UniRef90_UPI0004796F9F
UniRef90_Q31MQ3
UniRef90_E9EYH2
UniRef90_B5JX13
UniRef90_I3I5M4
UniRef90_UPI0002882B9F
UniRef90_A4CDB1
UniRef90_UPI0003B7539B
UniRef90_U4ZJQ5
UniRef90_Q6LI45
UniRef90_Q0YR36
UniRef90_UPI00047C930B
UniRef90_W7QVV8
UniRef90_Q8KFI4
UniRef90_UPI00047E1A6D
UniRef90_D9SFY6
UniRef90_K1XLT0

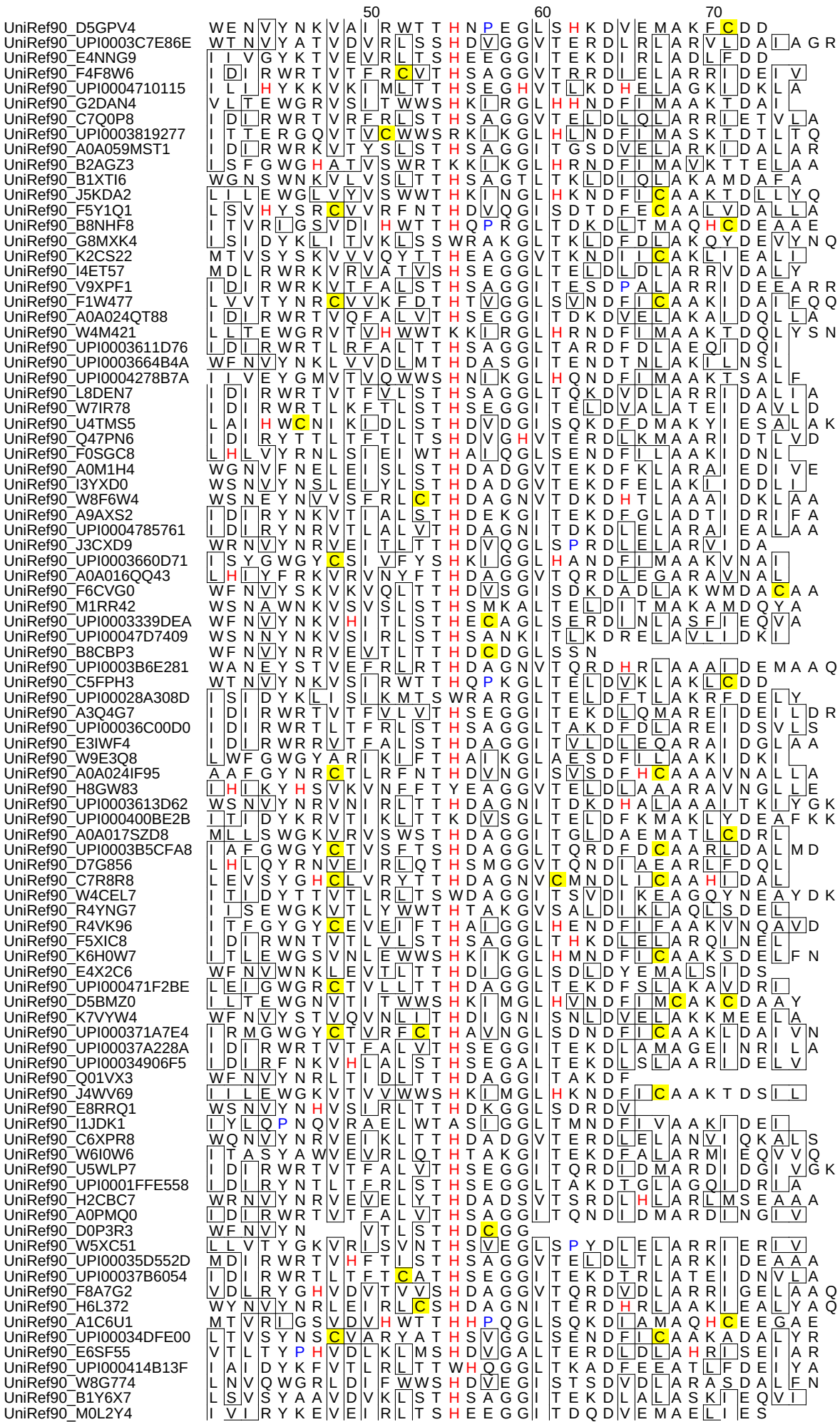

1
10
20
30
40
UniRef90_K0CHZ9
UniRef90_H8K4J2
UniRef90_A4CK31
UniRef90_A3UIN8
UniRef90_A1WWH9
UniRef90_I0JWN4
UniRef90_G2KQJ0
UniRef90_C1AAH3
UniRef90_Q7NM43
UniRef90_D3NSL2
UniRef90_UPI00040AB862
UniRef90_Q21MC6
UniRef90_UPI00035DD53B
UniRef90_D8G232
UniRef90_K6Y9K9
UniRef90_UPI00035C4473
UniRef90_UPI00029A3A9C
UniRef90_F8L7U5
UniRef90_H2C395
UniRef90_A3XNS1
UniRef90_UPI0003B39294
UniRef90_M4EU56
UniRef90_I3X322
UniRef90_G2E870
UniRef90_S8DC62
UniRef90_UPI0001080D78
UniRef90_UPI000255815B
UniRef90_UPI0002FCAFC3
UniRef90_UPI000478FD42
UniRef90_H0RX64
UniRef90_F4XX77
UniRef90_T2KK24
UniRef90_K1ZAT8
UniRef90_UPI0003B5AD23
UniRef90_UPI0003B323D1
UniRef90_UPI00046514BE
UniRef90_A0A023BV49
UniRef90_U3HCT4
UniRef90_V7BU56
UniRef90_K9RSF0
UniRef90_Q3B6N5
UniRef90_U1NFG9
UniRef90_A0A016XLJ1
UniRef90_D5BRT4
UniRef90_G0IWW3
UniRef90_K2CPT4
UniRef90_J1ELG8
UniRef90_UPI00036774C2
UniRef90_UPI0004786640
UniRef90_C7D5Y8
UniRef90_W1RYF3
UniRef90_UPI00031D423F
UniRef90_UPI0003713B38
UniRef90_UPI0003B797D1
UniRef90_UPI00036BA9F8
UniRef90_W6WA31
UniRef90_N6VEX3
UniRef90_B3ENW7
UniRef90_E6XDP7
UniRef90_L0FVT0
UniRef90_G8R6A4
UniRef90_M5WVH8
UniRef90_F4FYM3
UniRef90_UPI0003955CA1
UniRef90_C4L121
UniRef90_H0IYU5
UniRef90_S9ZMH2
UniRef90_Q1IP68
UniRef90_A0YGS1
UniRef90_UPI00047DE25B
UniRef90_UPI0004036519
UniRef90_M1WZV9
UniRef90_UPI0004190E0D
UniRef90_Q2BPN7
UniRef90_UPI0003019D0A
UniRef90_E5WQC4
UniRef90_K3XM79
UniRef90_A0D4Q2
UniRef90_Q2S2L0
UniRef90_I5BYX3
UniRef90_G4VKX2
UniRef90_UPI00026C80A6
UniRef90_F4AXX5
UniRef90_X0R354
UniRef90_C1DQH9
UniRef90_H5T956
UniRef90_UPI0000E0F5B4
UniRef90_UPI000367FD61
UniRef90_UPI00046FDCB0
UniRef90_UPI00041BF874
UniRef90_A6SW93
UniRef90_B4UHA1

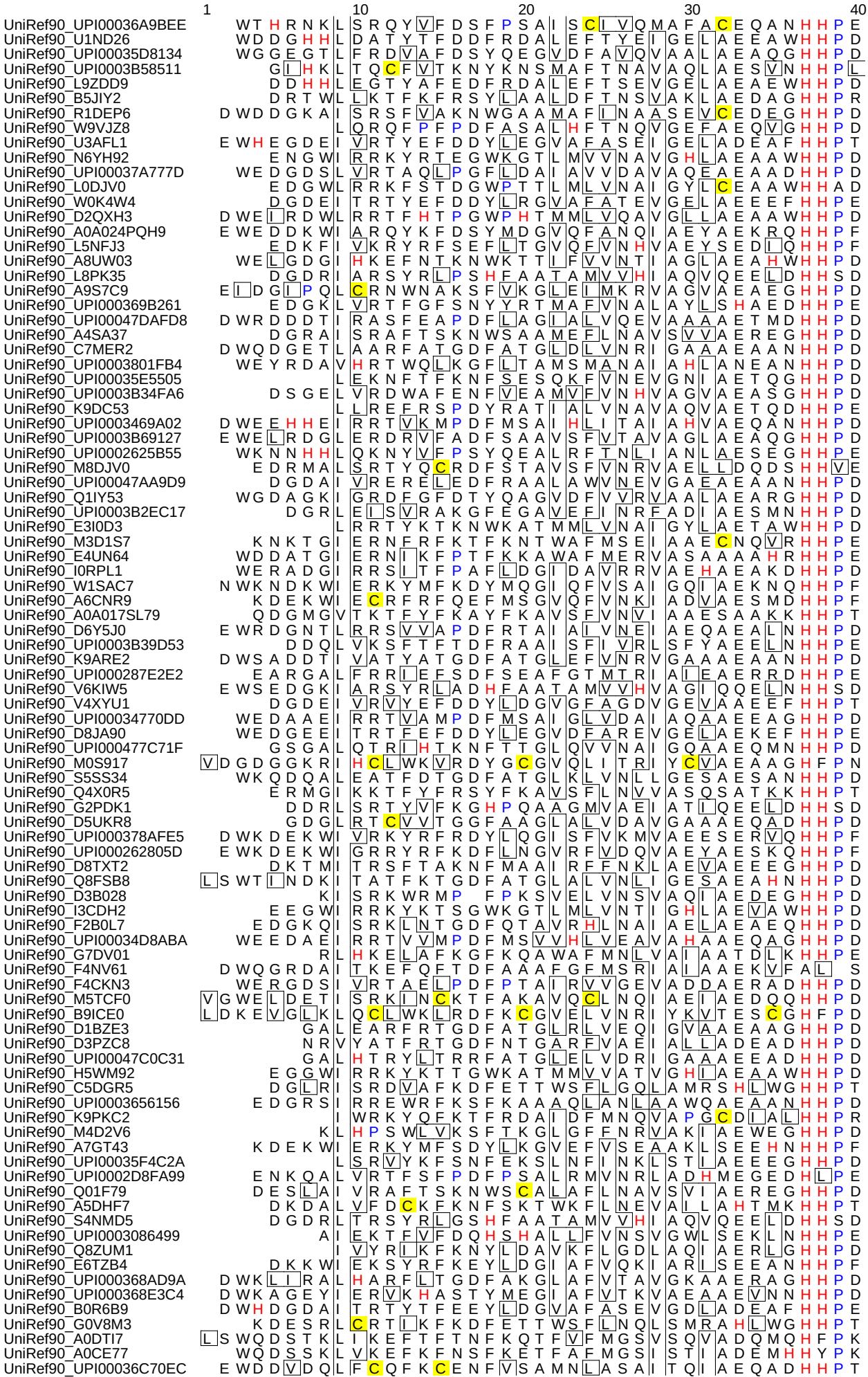

50
60
70
UniRef90_K0CHZ9
UniRef90_H8K4J2
UniRef90_A4CK31
UniRef90_A3UIN8
UniRef90_A1WWH9
UniRef90_I0JWN4
UniRef90_G2KQJ0
UniRef90_C1AAH3
UniRef90_Q7NM43
UniRef90_D3NSL2
UniRef90_UPI00040AB862
UniRef90_Q21MC6
UniRef90_UPI00035DD53B
UniRef90_D8G232
UniRef90_K6Y9K9
UniRef90_UPI00035C4473
UniRef90_UPI00029A3A9C
UniRef90_F8L7U5
UniRef90_H2C395
UniRef90_A3XNS1
UniRef90_UPI0003B39294
UniRef90_M4EU56
UniRef90_I3X322
UniRef90_G2E870
UniRef90_S8DC62
UniRef90_UPI0001080D78
UniRef90_UPI000255815B
UniRef90_UPI0002FCAFC3
UniRef90_UPI000478FD42
UniRef90_H0RX64
UniRef90_F4XX77
UniRef90_T2KK24
UniRef90_K1ZAT8
UniRef90_UPI0003B5AD23
UniRef90_UPI0003B323D1
UniRef90_UPI00046514BE
UniRef90_A0A023BV49
UniRef90_U3HCT4
UniRef90_V7BU56
UniRef90_K9RSF0
UniRef90_Q3B6N5
UniRef90_U1NFG9
UniRef90_A0A016XLJ1
UniRef90_D5BRT4
UniRef90_G0IWW3
UniRef90_K2CPT4
UniRef90_J1ELG8
UniRef90_UPI00036774C2
UniRef90_UPI0004786640
UniRef90_C7D5Y8
UniRef90_W1RYF3
UniRef90_UPI00031D423F
UniRef90_UPI0003713B38
UniRef90_UPI0003B797D1
UniRef90_UPI00036BA9F8
UniRef90_W6WA31
UniRef90_N6VEX3
UniRef90_B3ENW7
UniRef90_E6XDP7
UniRef90_L0FVT0
UniRef90_G8R6A4
UniRef90_M5WVH8
UniRef90_F4FYM3
UniRef90_UPI0003955CA1
UniRef90_C4L121
UniRef90_H0IYU5
UniRef90_S9ZMH2
UniRef90_Q1IP68
UniRef90_A0YGS1
UniRef90_UPI00047DE25B
UniRef90_UPI0004036519
UniRef90_M1WZV9
UniRef90_UPI0004190E0D
UniRef90_Q2BPN7
UniRef90_UPI0003019D0A
UniRef90_E5WQC4
UniRef90_K3XM79
UniRef90_A0D4Q2
UniRef90_Q2S2L0
UniRef90_I5BYX3
UniRef90_G4VKX2
UniRef90_UPI00026C80A6
UniRef90_F4AXX5
UniRef90_X0R354
UniRef90_C1DQH9
UniRef90_H5T956
UniRef90_UPI0000E0F5B4
UniRef90_UPI000367FD61
UniRef90_UPI00046FDCB0
UniRef90_UPI00041BF874
UniRef90_A6SW93
UniRef90_B4UHA1

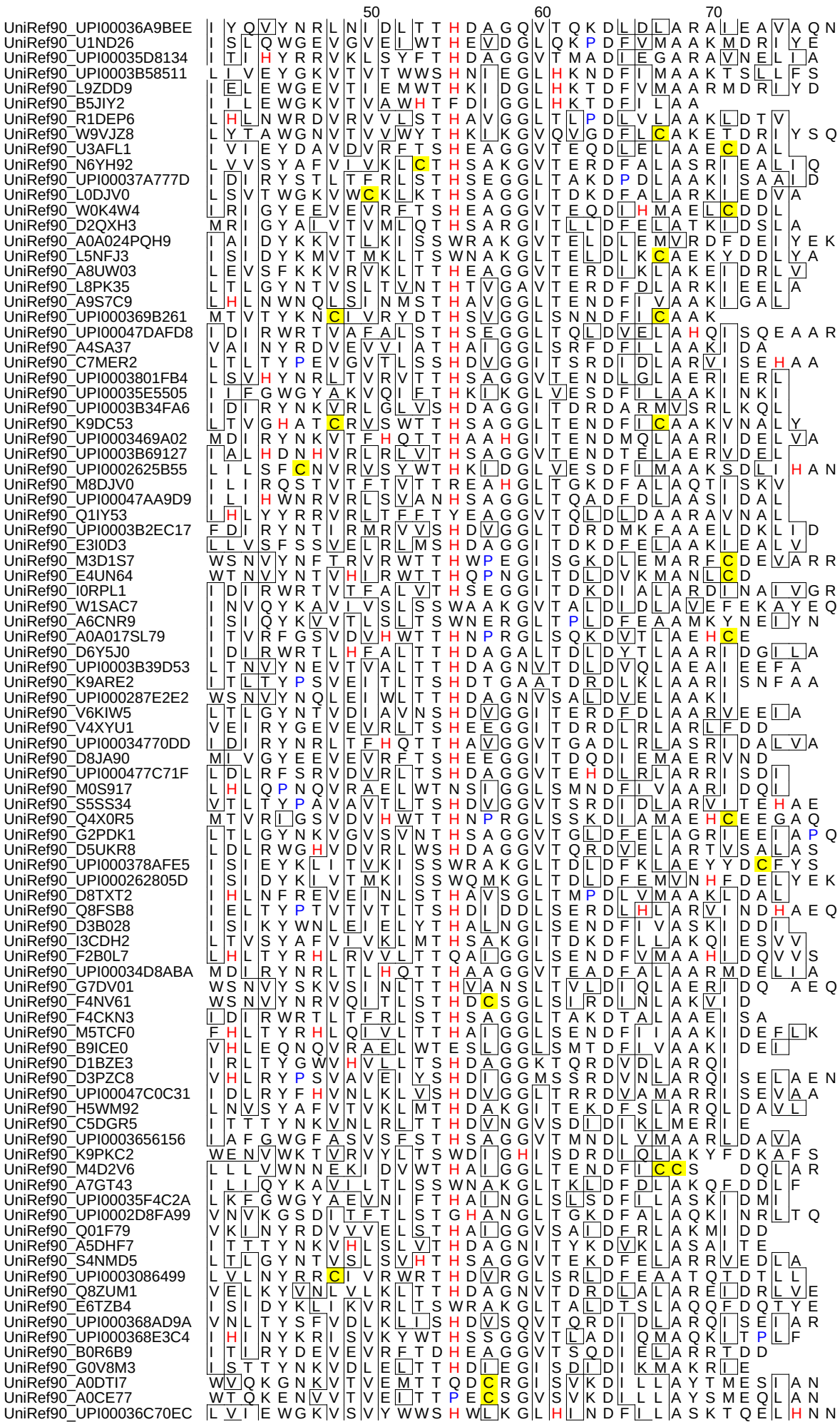

1
10
20
30
40
UniRef90_K0C192
UniRef90_I0I1Q6
UniRef90_U9W9K8
UniRef90_UPI0004185328
UniRef90_K4I9Z9
UniRef90_V6SJC9
UniRef90_R7YTX6
UniRef90_Q5P905
UniRef90_I4VSN8
UniRef90_UPI000421B122
UniRef90_Q2SCE8
UniRef90_UPI0003668473
UniRef90_K2A214
UniRef90_K9T5L1
UniRef90_D2S9W7
UniRef90_E4TTT4
UniRef90_B1ZY08
UniRef90_U5H8L4
UniRef90_U1WWW3
UniRef90_M5RW87
UniRef90_A1VMA4
UniRef90_A6EA86
UniRef90_S9VJN6
UniRef90_UPI000418DF4F
UniRef90_M2MMZ8
UniRef90_UPI0002E77491
UniRef90_T1B7U8
UniRef90_H2BYJ9
UniRef90_UPI000424E390
UniRef90_E1VLG2
UniRef90_F4C3I4
UniRef90_W0VAA3
UniRef90_D6TJV6
UniRef90_I1ATD3
UniRef90_C9Y9R2
UniRef90_UPI00047BE461
UniRef90_H8Z7K1
UniRef90_UPI0003C7F13E
UniRef90_F5L3P1
UniRef90_UPI000479AE36
UniRef90_UPI0002BD0725
UniRef90_D8IPC8
UniRef90_UPI000370EA4C
UniRef90_A3VDX1
UniRef90_UPI000365F7D3
UniRef90_UPI0003FC54B9
UniRef90_A0Z2B5
UniRef90_UPI0003486ED2
UniRef90_UPI0002628A18
UniRef90_M2UMW5
UniRef90_K9PMG6
UniRef90_D4TQV3
UniRef90_U1NN10
UniRef90_UPI000367A437
UniRef90_E1QVC8
UniRef90_T0ZT87
UniRef90_UPI000466FFE6
UniRef90_UPI0003812FD0
UniRef90_W5TPE0
UniRef90_UPI000372906B
UniRef90_G8AJP2
UniRef90_U1YGN4
UniRef90_E5A8P7
UniRef90_G0QIC4
UniRef90_I3C0N7
UniRef90_D9UXH6
UniRef90_B4WM71
UniRef90_UPI0003809ABD
UniRef90_C9P8B9
UniRef90_W1QHY8
UniRef90_W2UQI9
UniRef90_UPI00041A4C37
UniRef90_I0YRZ8
UniRef90_M1XSE4
UniRef90_A4SVT2
UniRef90_UPI00037C5488
UniRef90_U5DE76
UniRef90_C1AZG7
UniRef90_S9PFP2
UniRef90_UPI00032AFD9A
UniRef90_A4VQE0
UniRef90_I0V531
UniRef90_W7SZ86
UniRef90_UPI00036E6054
UniRef90_UPI00037CE463
UniRef90_UPI00041F8412
UniRef90_UPI00037501F6
UniRef90_F8FES7
UniRef90_J2GL10
UniRef90_A9FIH4
UniRef90_D0MI32
UniRef90_A0A031LV34

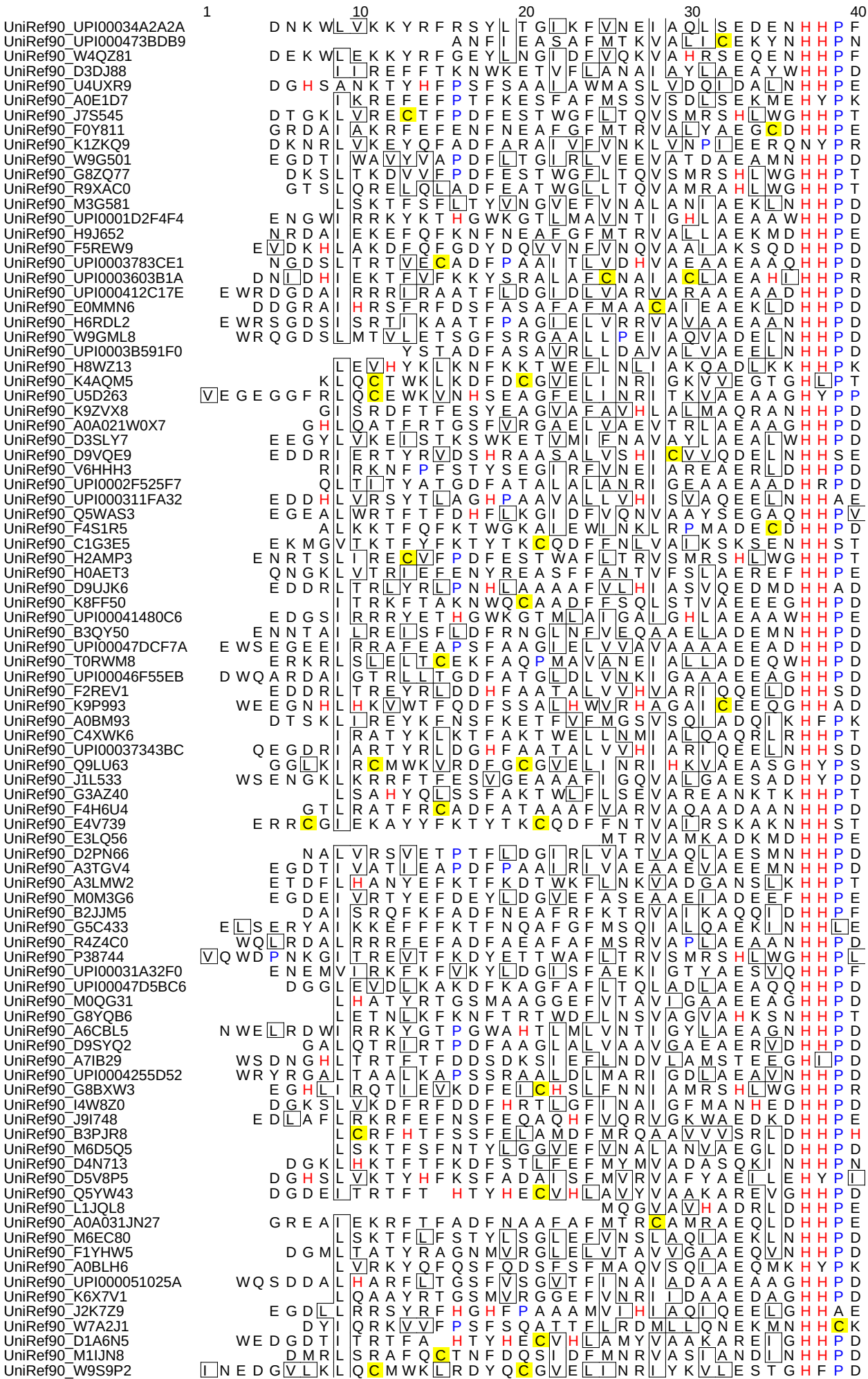

50
60
70
UniRef90_K0C192
UniRef90_I0I1Q6
UniRef90_U9W9K8
UniRef90_UPI0004185328
UniRef90_K4I9Z9
UniRef90_V6SJC9
UniRef90_R7YTX6
UniRef90_Q5P905
UniRef90_I4VSN8
UniRef90_UPI000421B122
UniRef90_Q2SCE8
UniRef90_UPI0003668473
UniRef90_K2A214
UniRef90_K9T5L1
UniRef90_D2S9W7
UniRef90_E4TTT4
UniRef90_B1ZY08
UniRef90_U5H8L4
UniRef90_U1WWW3
UniRef90_M5RW87
UniRef90_A1VMA4
UniRef90_A6EA86
UniRef90_S9VJN6
UniRef90_UPI000418DF4F
UniRef90_M2MMZ8
UniRef90_UPI0002E77491
UniRef90_T1B7U8
UniRef90_H2BYJ9
UniRef90_UPI000424E390
UniRef90_E1VLG2
UniRef90_F4C3I4
UniRef90_W0VAA3
UniRef90_D6TJV6
UniRef90_I1ATD3
UniRef90_C9Y9R2
UniRef90_UPI00047BE461
UniRef90_H8Z7K1
UniRef90_UPI0003C7F13E
UniRef90_F5L3P1
UniRef90_UPI000479AE36
UniRef90_UPI0002BD0725
UniRef90_D8IPC8
UniRef90_UPI000370EA4C
UniRef90_A3VDX1
UniRef90_UPI000365F7D3
UniRef90_UPI0003FC54B9
UniRef90_A0Z2B5
UniRef90_UPI0003486ED2
UniRef90_UPI0002628A18
UniRef90_M2UMW5
UniRef90_K9PMG6
UniRef90_D4TQV3
UniRef90_U1NN10
UniRef90_UPI000367A437
UniRef90_E1QVC8
UniRef90_T0ZT87
UniRef90_UPI000466FFE6
UniRef90_UPI0003812FD0
UniRef90_W5TPE0
UniRef90_UPI000372906B
UniRef90_G8AJP2
UniRef90_U1YGN4
UniRef90_E5A8P7
UniRef90_G0QIC4
UniRef90_I3C0N7
UniRef90_D9UXH6
UniRef90_B4WM71
UniRef90_UPI0003809ABD
UniRef90_C9P8B9
UniRef90_W1QHY8
UniRef90_W2UQI9
UniRef90_UPI00041A4C37
UniRef90_I0YRZ8
UniRef90_M1XSE4
UniRef90_A4SVT2
UniRef90_UPI00037C5488
UniRef90_U5DE76
UniRef90_C1AZG7
UniRef90_S9PFP2
UniRef90_UPI00032AFD9A
UniRef90_A4VQE0
UniRef90_I0V531
UniRef90_W7SZ86
UniRef90_UPI00036E6054
UniRef90_UPI00037CE463
UniRef90_UPI00041F8412
UniRef90_UPI00037501F6
UniRef90_F8FES7
UniRef90_J2GL10
UniRef90_A9FIH4
UniRef90_D0MI32
UniRef90_A0A031LV34

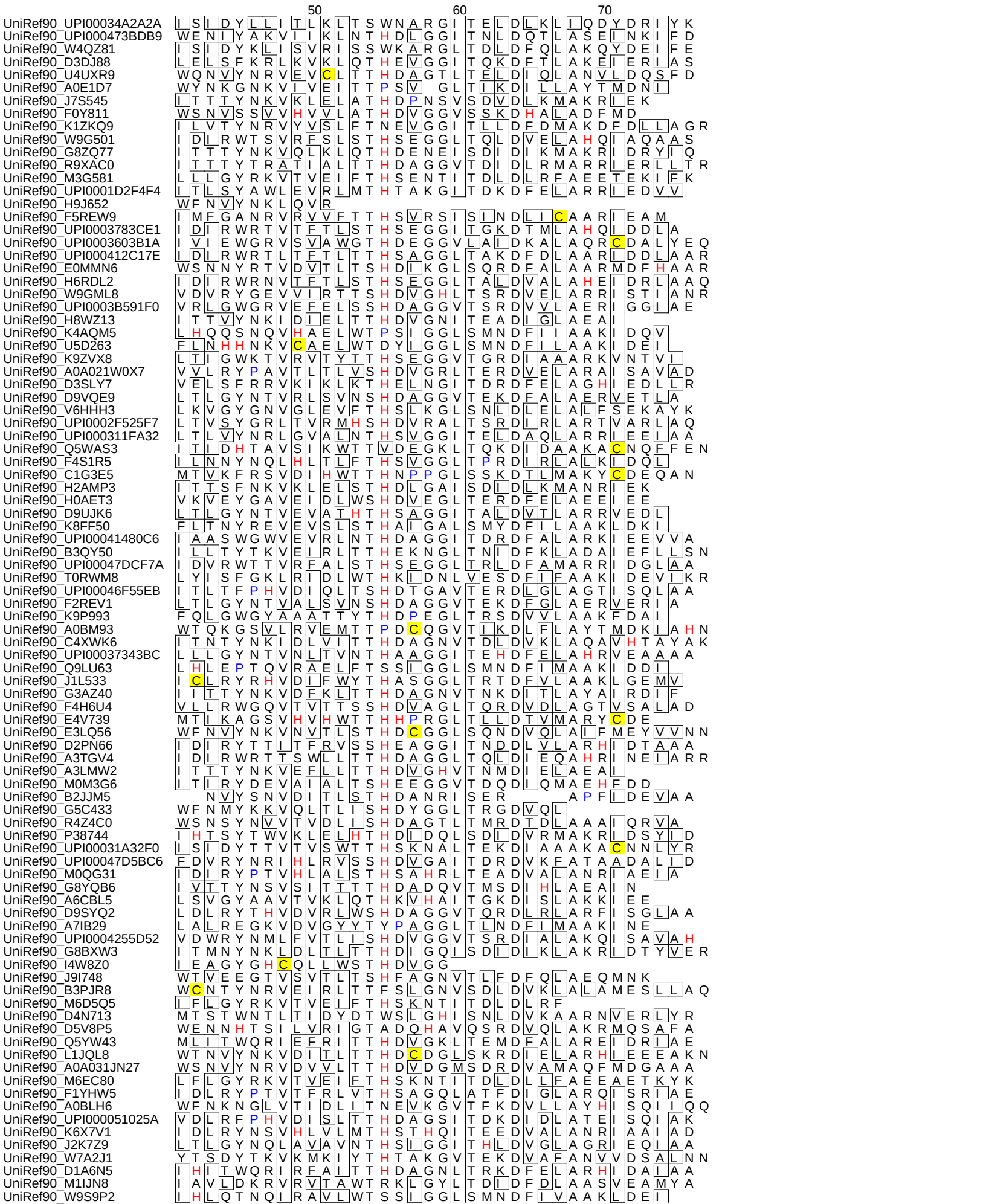

1
10
20
30
40
UniRef90_D5GPV4
UniRef90_UPI0003C7E86E
UniRef90_E4NNG9
UniRef90_F4F8W6
UniRef90_UPI0004710115
UniRef90_G2DAN4
UniRef90_C7Q0P8
UniRef90_UPI0003819277
UniRef90_A0A059MST1
UniRef90_B2AGZ3
UniRef90_B1XTI6
UniRef90_J5KDA2
UniRef90_F5Y1Q1
UniRef90_B8NHF8
UniRef90_G8MXK4
UniRef90_K2CS22
UniRef90_I4ET57
UniRef90_V9XPF1
UniRef90_F1W477
UniRef90_A0A024QT88
UniRef90_W4M421
UniRef90_UPI0003611D76
UniRef90_UPI0003664B4A
UniRef90_UPI0004278B7A
UniRef90_L8DEN7
UniRef90_W7IR78
UniRef90_U4TMS5
UniRef90_Q47PN6
UniRef90_F0SGC8
UniRef90_A0M1H4
UniRef90_I3YXD0
UniRef90_W8F6W4
UniRef90_A9AXS2
UniRef90_UPI0004785761
UniRef90_J3CXD9
UniRef90_UPI0003660D71
UniRef90_A0A016QQ43
UniRef90_F6CVG0
UniRef90_M1RR42
UniRef90_UPI0003339DEA
UniRef90_UPI00047D7409
UniRef90_B8CBP3
UniRef90_UPI0003B6E281
UniRef90_C5FPH3
UniRef90_UPI00028A308D
UniRef90_A3Q4G7
UniRef90_UPI00036C00D0
UniRef90_E3IWF4
UniRef90_W9E3Q8
UniRef90_A0A024IF95
UniRef90_H8GW83
UniRef90_UPI0003613D62
UniRef90_UPI000400BE2B
UniRef90_A0A017SZD8
UniRef90_UPI0003B5CFA8
UniRef90_D7G856
UniRef90_C7R8R8
UniRef90_W4CEL7
UniRef90_R4YNG7
UniRef90_R4VK96
UniRef90_F5XIC8
UniRef90_K6H0W7
UniRef90_E4X2C6
UniRef90_UPI000471F2BE
UniRef90_D5BMZ0
UniRef90_K7VYW4
UniRef90_UPI000371A7E4
UniRef90_UPI00037A228A
UniRef90_UPI00034906F5
UniRef90_Q01VX3
UniRef90_J4WV69
UniRef90_E8RRQ1
UniRef90_I1JDK1
UniRef90_C6XPR8
UniRef90_W6I0W6
UniRef90_U5WLP7
UniRef90_UPI0001FFE558
UniRef90_H2CBC7
UniRef90_A0PMQ0
UniRef90_D0P3R3
UniRef90_W5XC51
UniRef90_UPI00035D552D
UniRef90_UPI00037B6054
UniRef90_F8A7G2
UniRef90_H6L372
UniRef90_A1C6U1
UniRef90_UPI00034DFE00
UniRef90_E6SF55
UniRef90_UPI000414B13F
UniRef90_W8G774
UniRef90_B1Y6X7
UniRef90_M0L2Y4

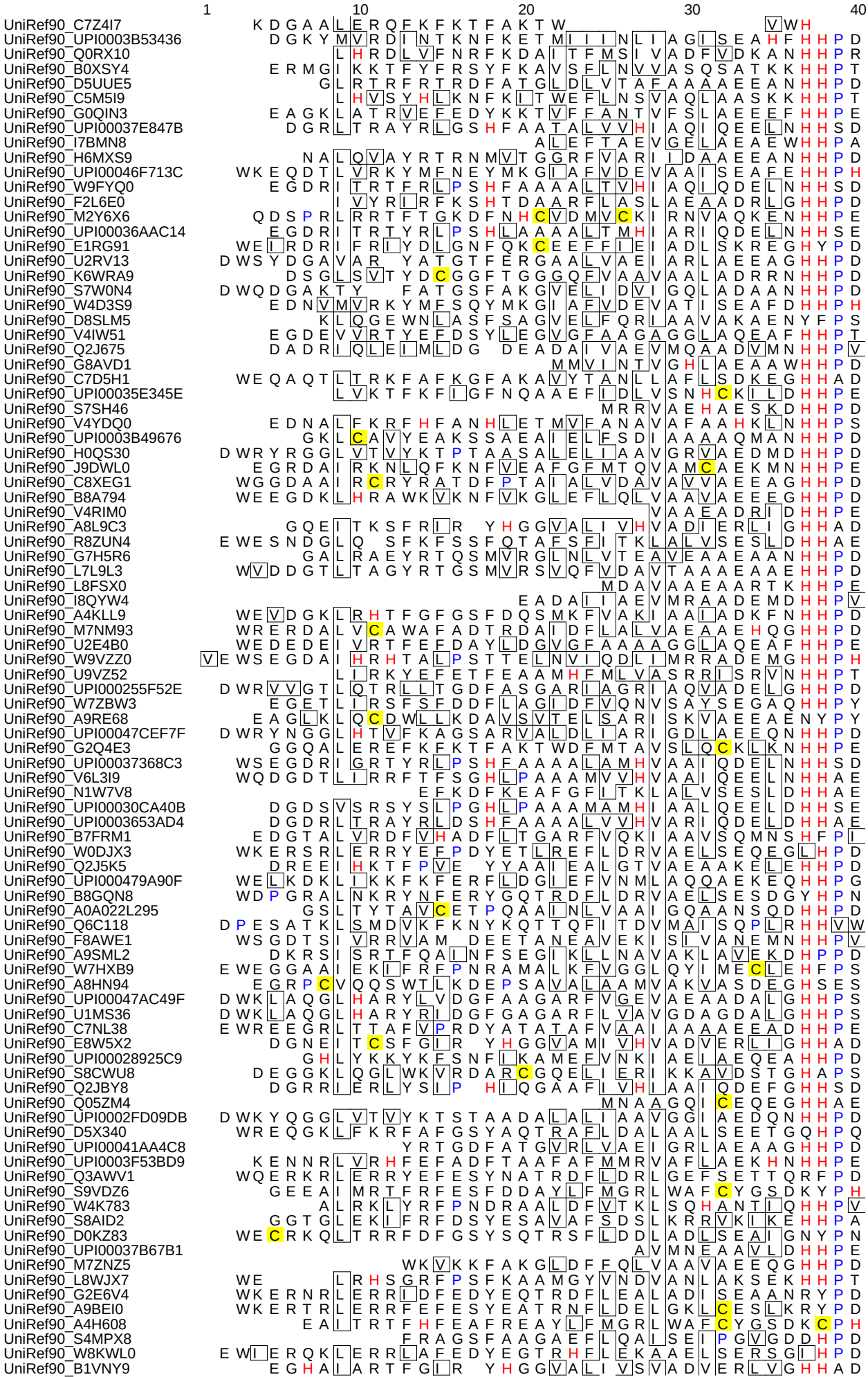

50
60
70
UniRef90_D5GPV4
UniRef90_UPI0003C7E86E
UniRef90_E4NNG9
UniRef90_F4F8W6
UniRef90_UPI0004710115
UniRef90_G2DAN4
UniRef90_C7Q0P8
UniRef90_UPI0003819277
UniRef90_A0A059MST1
UniRef90_B2AGZ3
UniRef90_B1XTI6
UniRef90_J5KDA2
UniRef90_F5Y1Q1
UniRef90_B8NHF8
UniRef90_G8MXK4
UniRef90_K2CS22
UniRef90_I4ET57
UniRef90_V9XPF1
UniRef90_F1W477
UniRef90_A0A024QT88
UniRef90_W4M421
UniRef90_UPI0003611D76
UniRef90_UPI0003664B4A
UniRef90_UPI0004278B7A
UniRef90_L8DEN7
UniRef90_W7IR78
UniRef90_U4TMS5
UniRef90_Q47PN6
UniRef90_F0SGC8
UniRef90_A0M1H4
UniRef90_I3YXD0
UniRef90_W8F6W4
UniRef90_A9AXS2
UniRef90_UPI0004785761
UniRef90_J3CXD9
UniRef90_UPI0003660D71
UniRef90_A0A016QQ43
UniRef90_F6CVG0
UniRef90_M1RR42
UniRef90_UPI0003339DEA
UniRef90_UPI00047D7409
UniRef90_B8CBP3
UniRef90_UPI0003B6E281
UniRef90_C5FPH3
UniRef90_UPI00028A308D
UniRef90_A3Q4G7
UniRef90_UPI00036C00D0
UniRef90_E3IWF4
UniRef90_W9E3Q8
UniRef90_A0A024IF95
UniRef90_H8GW83
UniRef90_UPI0003613D62
UniRef90_UPI000400BE2B
UniRef90_A0A017SZD8
UniRef90_UPI0003B5CFA8
UniRef90_D7G856
UniRef90_C7R8R8
UniRef90_W4CEL7
UniRef90_R4YNG7
UniRef90_R4VK96
UniRef90_F5XIC8
UniRef90_K6H0W7
UniRef90_E4X2C6
UniRef90_UPI000471F2BE
UniRef90_D5BMZ0
UniRef90_K7VYW4
UniRef90_UPI000371A7E4
UniRef90_UPI00037A228A
UniRef90_UPI00034906F5
UniRef90_Q01VX3
UniRef90_J4WV69
UniRef90_E8RRQ1
UniRef90_I1JDK1
UniRef90_C6XPR8
UniRef90_W6I0W6
UniRef90_U5WLP7
UniRef90_UPI0001FFE558
UniRef90_H2CBC7
UniRef90_A0PMQ0
UniRef90_D0P3R3
UniRef90_W5XC51
UniRef90_UPI00035D552D
UniRef90_UPI00037B6054
UniRef90_F8A7G2
UniRef90_H6L372
UniRef90_A1C6U1
UniRef90_UPI00034DFE00
UniRef90_E6SF55
UniRef90_UPI000414B13F
UniRef90_W8G774
UniRef90_B1Y6X7
UniRef90_M0L2Y4

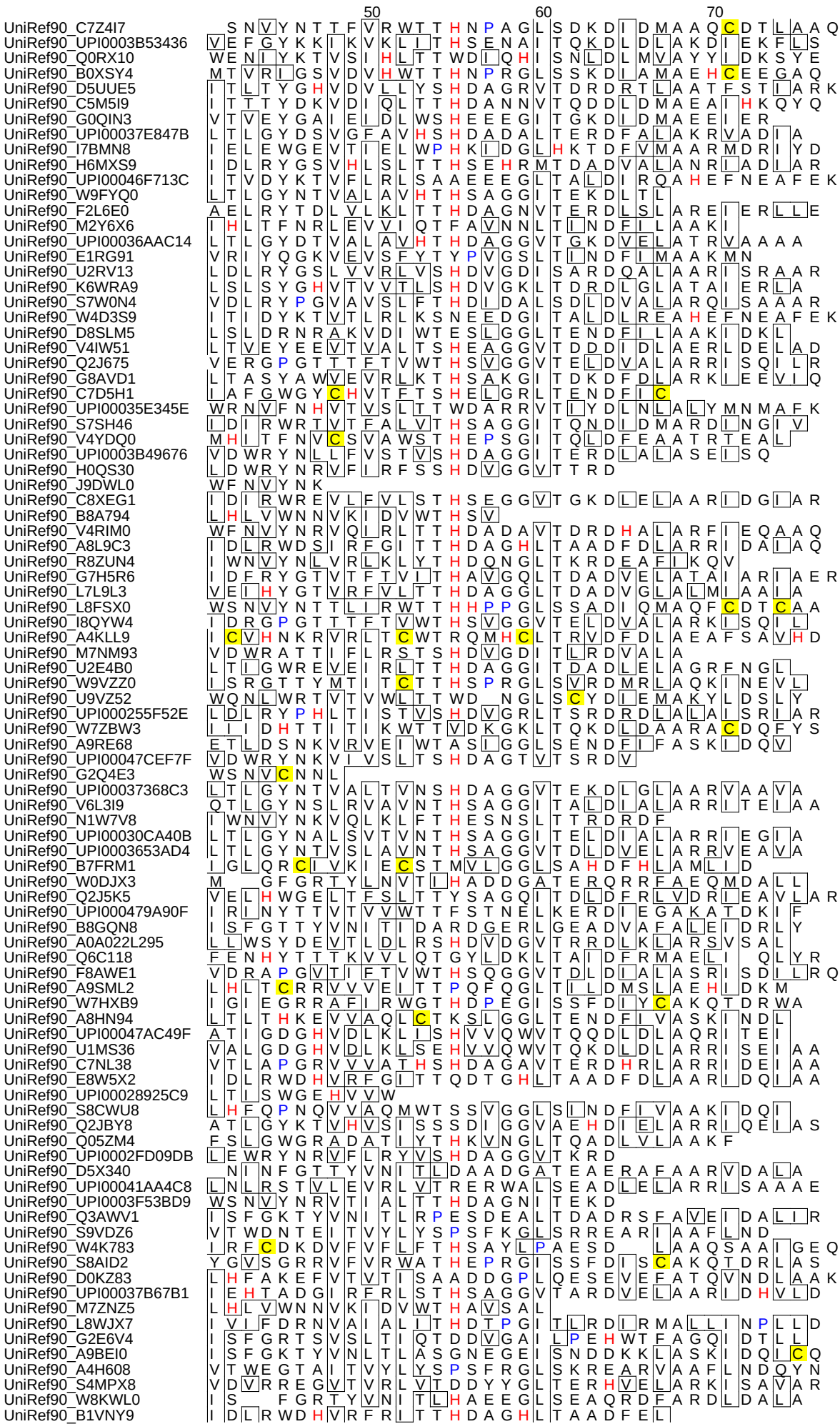

1
10
20
30
40
UniRef90_UPI00036A9BEE
UniRef90_U1ND26
UniRef90_UPI00035D8134
UniRef90_UPI0003B58511
UniRef90_L9ZDD9
UniRef90_B5JIY2
UniRef90_R1DEP6
UniRef90_W9VJZ8
UniRef90_U3AFL1
UniRef90_N6YH92
UniRef90_UPI00037A777D
UniRef90_L0DJV0
UniRef90_W0K4W4
UniRef90_D2QXH3
UniRef90_A0A024PQH9
UniRef90_L5NFJ3
UniRef90_A8UW03
UniRef90_L8PK35
UniRef90_A9S7C9
UniRef90_UPI000369B261
UniRef90_UPI00047DAFD8
UniRef90_A4SA37
UniRef90_C7MER2
UniRef90_UPI0003801FB4
UniRef90_UPI00035E5505
UniRef90_UPI0003B34FA6
UniRef90_K9DC53
UniRef90_UPI0003469A02
UniRef90_UPI0003B69127
UniRef90_UPI0002625B55
UniRef90_M8DJV0
UniRef90_UPI00047AA9D9
UniRef90_Q1IY53
UniRef90_UPI0003B2EC17
UniRef90_E3I0D3
UniRef90_M3D1S7
UniRef90_E4UN64
UniRef90_I0RPL1
UniRef90_W1SAC7
UniRef90_A6CNR9
UniRef90_A0A017SL79
UniRef90_D6Y5J0
UniRef90_UPI0003B39D53
UniRef90_K9ARE2
UniRef90_UPI000287E2E2
UniRef90_V6KIW5
UniRef90_V4XYU1
UniRef90_UPI00034770DD
UniRef90_D8JA90
UniRef90_UPI000477C71F
UniRef90_M0S917
UniRef90_S5SS34
UniRef90_Q4X0R5
UniRef90_G2PDK1
UniRef90_D5UKR8
UniRef90_UPI000378AFE5
UniRef90_UPI000262805D
UniRef90_D8TXT2
UniRef90_Q8FSB8
UniRef90_D3B028
UniRef90_I3CDH2
UniRef90_F2B0L7
UniRef90_UPI00034D8ABA
UniRef90_G7DV01
UniRef90_F4NV61
UniRef90_F4CKN3
UniRef90_M5TCF0
UniRef90_B9ICE0
UniRef90_D1BZE3
UniRef90_D3PZC8
UniRef90_UPI00047C0C31
UniRef90_H5WM92
UniRef90_C5DGR5
UniRef90_UPI0003656156
UniRef90_K9PKC2
UniRef90_M4D2V6
UniRef90_A7GT43
UniRef90_UPI00035F4C2A
UniRef90_UPI0002D8FA99
UniRef90_Q01F79
UniRef90_A5DHF7
UniRef90_S4NMD5
UniRef90_UPI0003086499
UniRef90_Q8ZUM1
UniRef90_E6TZB4
UniRef90_UPI000368AD9A
UniRef90_UPI000368E3C4
UniRef90_B0R6B9
UniRef90_G0V8M3
UniRef90_A0DTI7
UniRef90_A0CE77
UniRef90_UPI00036C70EC

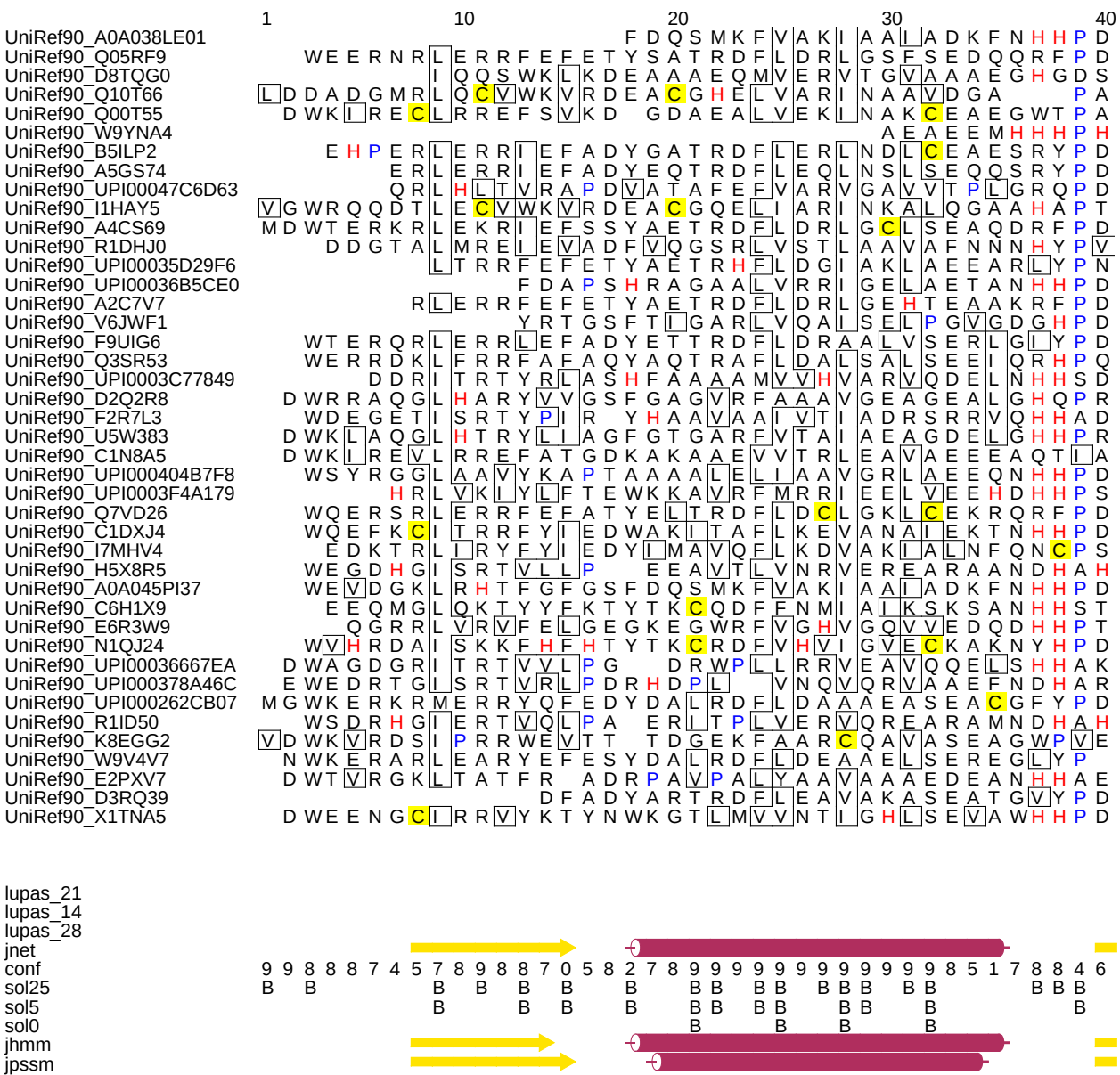

50
60
70
UniRef90_UPI00036A9BEE
UniRef90_U1ND26
UniRef90_UPI00035D8134
UniRef90_UPI0003B58511
UniRef90_L9ZDD9
UniRef90_B5JIY2
UniRef90_R1DEP6
UniRef90_W9VJZ8
UniRef90_U3AFL1
UniRef90_N6YH92
UniRef90_UPI00037A777D
UniRef90_L0DJV0
UniRef90_W0K4W4
UniRef90_D2QXH3
UniRef90_A0A024PQH9
UniRef90_L5NFJ3
UniRef90_A8UW03
UniRef90_L8PK35
UniRef90_A9S7C9
UniRef90_UPI000369B261
UniRef90_UPI00047DAFD8
UniRef90_A4SA37
UniRef90_C7MER2
UniRef90_UPI0003801FB4
UniRef90_UPI00035E5505
UniRef90_UPI0003B34FA6
UniRef90_K9DC53
UniRef90_UPI0003469A02
UniRef90_UPI0003B69127
UniRef90_UPI0002625B55
UniRef90_M8DJV0
UniRef90_UPI00047AA9D9
UniRef90_Q1IY53
UniRef90_UPI0003B2EC17
UniRef90_E3I0D3
UniRef90_M3D1S7
UniRef90_E4UN64
UniRef90_I0RPL1
UniRef90_W1SAC7
UniRef90_A6CNR9
UniRef90_A0A017SL79
UniRef90_D6Y5J0
UniRef90_UPI0003B39D53
UniRef90_K9ARE2
UniRef90_UPI000287E2E2
UniRef90_V6KIW5
UniRef90_V4XYU1
UniRef90_UPI00034770DD
UniRef90_D8JA90
UniRef90_UPI000477C71F
UniRef90_M0S917
UniRef90_S5SS34
UniRef90_Q4X0R5
UniRef90_G2PDK1
UniRef90_D5UKR8
UniRef90_UPI000378AFE5
UniRef90_UPI000262805D
UniRef90_D8TXT2
UniRef90_Q8FSB8
UniRef90_D3B028
UniRef90_I3CDH2
UniRef90_F2B0L7
UniRef90_UPI00034D8ABA
UniRef90_G7DV01
UniRef90_F4NV61
UniRef90_F4CKN3
UniRef90_M5TCF0
UniRef90_B9ICE0
UniRef90_D1BZE3
UniRef90_D3PZC8
UniRef90_UPI00047C0C31
UniRef90_H5WM92
UniRef90_C5DGR5
UniRef90_UPI0003656156
UniRef90_K9PKC2
UniRef90_M4D2V6
UniRef90_A7GT43
UniRef90_UPI00035F4C2A
UniRef90_UPI0002D8FA99
UniRef90_Q01F79
UniRef90_A5DHF7
UniRef90_S4NMD5
UniRef90_UPI0003086499
UniRef90_Q8ZUM1
UniRef90_E6TZB4
UniRef90_UPI000368AD9A
UniRef90_UPI000368E3C4
UniRef90_B0R6B9
UniRef90_G0V8M3
UniRef90_A0DTI7
UniRef90_A0CE77
UniRef90_UPI00036C70EC

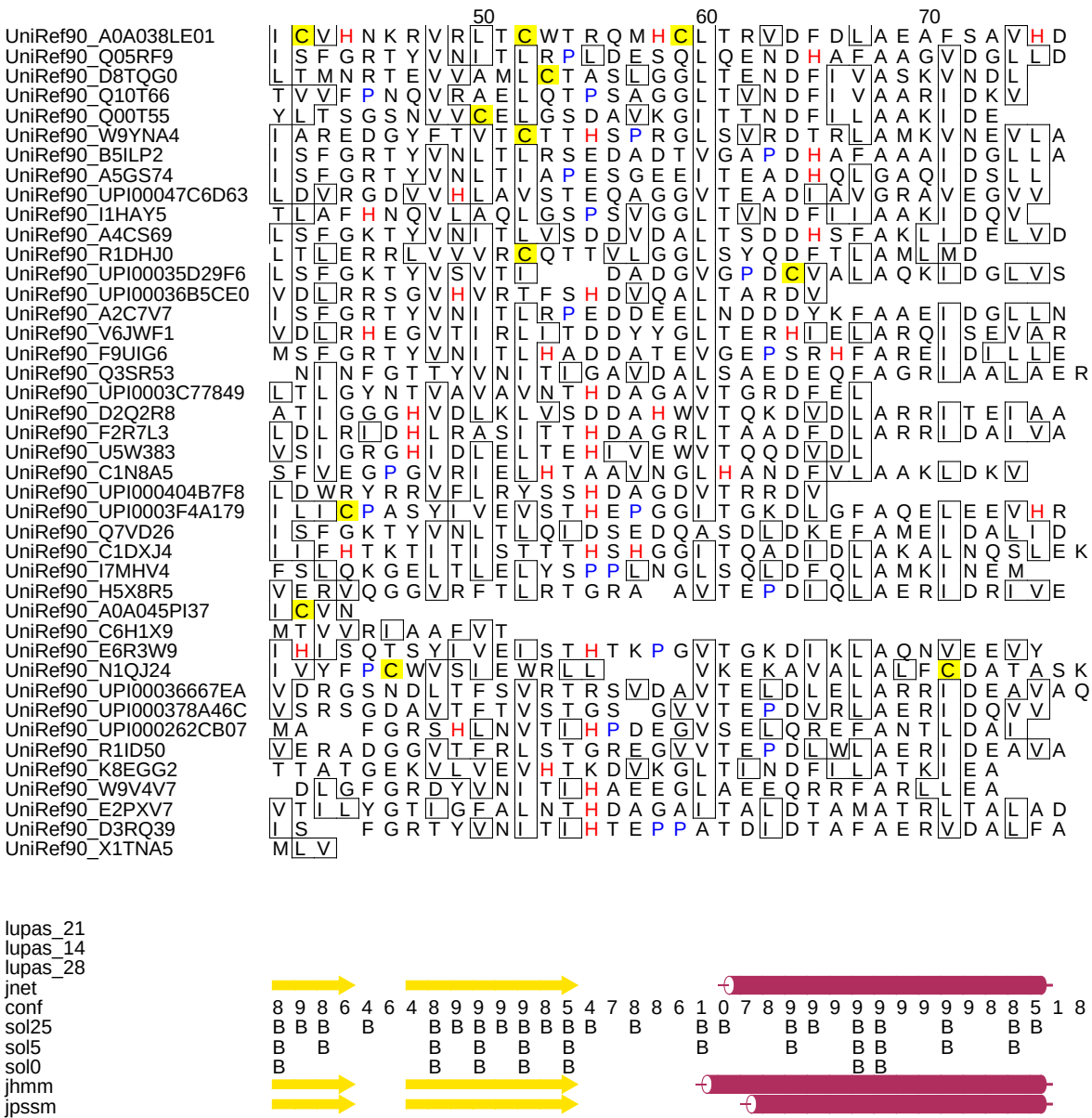

1
10
20
30
40
UniRef90_UPI00034A2A2A
UniRef90_UPI000473BDB9
UniRef90_W4QZ81
UniRef90_D3DJ88
UniRef90_U4UXR9
UniRef90_A0E1D7
UniRef90_J7S545
UniRef90_F0Y811
UniRef90_K1ZKQ9
UniRef90_W9G501
UniRef90_G8ZQ77
UniRef90_R9XAC0
UniRef90_M3G581
UniRef90_UPI0001D2F4F4
UniRef90_H9J652
UniRef90_F5REW9
UniRef90_UPI0003783CE1
UniRef90_UPI0003603B1A
UniRef90_UPI000412C17E
UniRef90_E0MMN6
UniRef90_H6RDL2
UniRef90_W9GML8
UniRef90_UPI0003B591F0
UniRef90_H8WZ13
UniRef90_K4AQM5
UniRef90_U5D263
UniRef90_K9ZVX8
UniRef90_A0A021W0X7
UniRef90_D3SLY7
UniRef90_D9VQE9
UniRef90_V6HHH3
UniRef90_UPI0002F525F7
UniRef90_UPI000311FA32
UniRef90_Q5WAS3
UniRef90_F4S1R5
UniRef90_C1G3E5
UniRef90_H2AMP3
UniRef90_H0AET3
UniRef90_D9UJK6
UniRef90_K8FF50
UniRef90_UPI00041480C6
UniRef90_B3QY50
UniRef90_UPI00047DCF7A
UniRef90_T0RWM8
UniRef90_UPI00046F55EB
UniRef90_F2REV1
UniRef90_K9P993
UniRef90_A0BM93
UniRef90_C4XWK6
UniRef90_UPI00037343BC
UniRef90_Q9LU63
UniRef90_J1L533
UniRef90_G3AZ40
UniRef90_F4H6U4
UniRef90_E4V739
UniRef90_E3LQ56
UniRef90_D2PN66
UniRef90_A3TGV4
UniRef90_A3LMW2
UniRef90_M0M3G6
UniRef90_B2JJM5
UniRef90_G5C433
UniRef90_R4Z4C0
UniRef90_P38744
UniRef90_UPI00031A32F0
UniRef90_UPI00047D5BC6
UniRef90_M0QG31
UniRef90_G8YQB6
UniRef90_A6CBL5
UniRef90_D9SYQ2
UniRef90_A7IB29
UniRef90_UPI0004255D52
UniRef90_G8BXW3
UniRef90_I4W8Z0
UniRef90_J9I748
UniRef90_B3PJR8
UniRef90_M6D5Q5
UniRef90_D4N713
UniRef90_D5V8P5
UniRef90_Q5YW43
UniRef90_L1JQL8
UniRef90_A0A031JN27
UniRef90_M6EC80
UniRef90_F1YHW5
UniRef90_A0BLH6
UniRef90_UPI000051025A
UniRef90_K6X7V1
UniRef90_J2K7Z9
UniRef90_W7A2J1
UniRef90_D1A6N5
UniRef90_M1IJN8
UniRef90_W9S9P2


50
60
70
UniRef90_UPI00034A2A2A
UniRef90_UPI000473BDB9
UniRef90_W4QZ81
UniRef90_D3DJ88
UniRef90_U4UXR9
UniRef90_A0E1D7
UniRef90_J7S545
UniRef90_F0Y811
UniRef90_K1ZKQ9
UniRef90_W9G501
UniRef90_G8ZQ77
UniRef90_R9XAC0
UniRef90_M3G581
UniRef90_UPI0001D2F4F4
UniRef90_H9J652
UniRef90_F5REW9
UniRef90_UPI0003783CE1
UniRef90_UPI0003603B1A
UniRef90_UPI000412C17E
UniRef90_E0MMN6
UniRef90_H6RDL2
UniRef90_W9GML8
UniRef90_UPI0003B591F0
UniRef90_H8WZ13
UniRef90_K4AQM5
UniRef90_U5D263
UniRef90_K9ZVX8
UniRef90_A0A021W0X7
UniRef90_D3SLY7
UniRef90_D9VQE9
UniRef90_V6HHH3
UniRef90_UPI0002F525F7
UniRef90_UPI000311FA32
UniRef90_Q5WAS3
UniRef90_F4S1R5
UniRef90_C1G3E5
UniRef90_H2AMP3
UniRef90_H0AET3
UniRef90_D9UJK6
UniRef90_K8FF50
UniRef90_UPI00041480C6
UniRef90_B3QY50
UniRef90_UPI00047DCF7A
UniRef90_T0RWM8
UniRef90_UPI00046F55EB
UniRef90_F2REV1
UniRef90_K9P993
UniRef90_A0BM93
UniRef90_C4XWK6
UniRef90_UPI00037343BC
UniRef90_Q9LU63
UniRef90_J1L533
UniRef90_G3AZ40
UniRef90_F4H6U4
UniRef90_E4V739
UniRef90_E3LQ56
UniRef90_D2PN66
UniRef90_A3TGV4
UniRef90_A3LMW2
UniRef90_M0M3G6
UniRef90_B2JJM5
UniRef90_G5C433
UniRef90_R4Z4C0
UniRef90_P38744
UniRef90_UPI00031A32F0
UniRef90_UPI00047D5BC6
UniRef90_M0QG31
UniRef90_G8YQB6
UniRef90_A6CBL5
UniRef90_D9SYQ2
UniRef90_A7IB29
UniRef90_UPI0004255D52
UniRef90_G8BXW3
UniRef90_I4W8Z0
UniRef90_J9I748
UniRef90_B3PJR8
UniRef90_M6D5Q5
UniRef90_D4N713
UniRef90_D5V8P5
UniRef90_Q5YW43
UniRef90_L1JQL8
UniRef90_A0A031JN27
UniRef90_M6EC80
UniRef90_F1YHW5
UniRef90_A0BLH6
UniRef90_UPI000051025A
UniRef90_K6X7V1
UniRef90_J2K7Z9
UniRef90_W7A2J1
UniRef90_D1A6N5
UniRef90_M1IJN8
UniRef90_W9S9P2


1
10
20
30
40
UniRef90_C7Z4I7
UniRef90_UPI0003B53436
UniRef90_Q0RX10
UniRef90_B0XSY4
UniRef90_D5UUE5
UniRef90_C5M5I9
UniRef90_G0QIN3
UniRef90_UPI00037E847B
UniRef90_I7BMN8
UniRef90_H6MXS9
UniRef90_UPI00046F713C
UniRef90_W9FYQ0
UniRef90_F2L6E0
UniRef90_M2Y6X6
UniRef90_UPI00036AAC14
UniRef90_E1RG91
UniRef90_U2RV13
UniRef90_K6WRA9
UniRef90_S7W0N4
UniRef90_W4D3S9
UniRef90_D8SLM5
UniRef90_V4IW51
UniRef90_Q2J675
UniRef90_G8AVD1
UniRef90_C7D5H1
UniRef90_UPI00035E345E
UniRef90_S7SH46
UniRef90_V4YDQ0
UniRef90_UPI0003B49676
UniRef90_H0QS30
UniRef90_J9DWL0
UniRef90_C8XEG1
UniRef90_B8A794
UniRef90_V4RIM0
UniRef90_A8L9C3
UniRef90_R8ZUN4
UniRef90_G7H5R6
UniRef90_L7L9L3
UniRef90_L8FSX0
UniRef90_I8QYW4
UniRef90_A4KLL9
UniRef90_M7NM93
UniRef90_U2E4B0
UniRef90_W9VZZ0
UniRef90_U9VZ52
UniRef90_UPI000255F52E
UniRef90_W7ZBW3
UniRef90_A9RE68
UniRef90_UPI00047CEF7F
UniRef90_G2Q4E3
UniRef90_UPI00037368C3
UniRef90_V6L3I9
UniRef90_N1W7V8
UniRef90_UPI00030CA40B
UniRef90_UPI0003653AD4
UniRef90_B7FRM1
UniRef90_W0DJX3
UniRef90_Q2J5K5
UniRef90_UPI000479A90F
UniRef90_B8GQN8
UniRef90_A0A022L295
UniRef90_Q6C118
UniRef90_F8AWE1
UniRef90_A9SML2
UniRef90_W7HXB9
UniRef90_A8HN94
UniRef90_UPI00047AC49F
UniRef90_U1MS36
UniRef90_C7NL38
UniRef90_E8W5X2
UniRef90_UPI00028925C9
UniRef90_S8CWU8
UniRef90_Q2JBY8
UniRef90_Q05ZM4
UniRef90_UPI0002FD09DB
UniRef90_D5X340
UniRef90_UPI00041AA4C8
UniRef90_UPI0003F53BD9
UniRef90_Q3AWV1
UniRef90_S9VDZ6
UniRef90_W4K783
UniRef90_S8AID2
UniRef90_D0KZ83
UniRef90_UPI00037B67B1
UniRef90_M7ZNZ5
UniRef90_L8WJX7
UniRef90_G2E6V4
UniRef90_A9BEI0
UniRef90_A4H608
UniRef90_S4MPX8
UniRef90_W8KWL0
UniRef90_B1VNY9


50
60
70
UniRef90_C7Z4I7
UniRef90_UPI0003B53436
UniRef90_Q0RX10
UniRef90_B0XSY4
UniRef90_D5UUE5
UniRef90_C5M5I9
UniRef90_G0QIN3
UniRef90_UPI00037E847B
UniRef90_I7BMN8
UniRef90_H6MXS9
UniRef90_UPI00046F713C
UniRef90_W9FYQ0
UniRef90_F2L6E0
UniRef90_M2Y6X6
UniRef90_UPI00036AAC14
UniRef90_E1RG91
UniRef90_U2RV13
UniRef90_K6WRA9
UniRef90_S7W0N4
UniRef90_W4D3S9
UniRef90_D8SLM5
UniRef90_V4IW51
UniRef90_Q2J675
UniRef90_G8AVD1
UniRef90_C7D5H1
UniRef90_UPI00035E345E
UniRef90_S7SH46
UniRef90_V4YDQ0
UniRef90_UPI0003B49676
UniRef90_H0QS30
UniRef90_J9DWL0
UniRef90_C8XEG1
UniRef90_B8A794
UniRef90_V4RIM0
UniRef90_A8L9C3
UniRef90_R8ZUN4
UniRef90_G7H5R6
UniRef90_L7L9L3
UniRef90_L8FSX0
UniRef90_I8QYW4
UniRef90_A4KLL9
UniRef90_M7NM93
UniRef90_U2E4B0
UniRef90_W9VZZ0
UniRef90_U9VZ52
UniRef90_UPI000255F52E
UniRef90_W7ZBW3
UniRef90_A9RE68
UniRef90_UPI00047CEF7F
UniRef90_G2Q4E3
UniRef90_UPI00037368C3
UniRef90_V6L3I9
UniRef90_N1W7V8
UniRef90_UPI00030CA40B
UniRef90_UPI0003653AD4
UniRef90_B7FRM1
UniRef90_W0DJX3
UniRef90_Q2J5K5
UniRef90_UPI000479A90F
UniRef90_B8GQN8
UniRef90_A0A022L295
UniRef90_Q6C118
UniRef90_F8AWE1
UniRef90_A9SML2
UniRef90_W7HXB9
UniRef90_A8HN94
UniRef90_UPI00047AC49F
UniRef90_U1MS36
UniRef90_C7NL38
UniRef90_E8W5X2
UniRef90_UPI00028925C9
UniRef90_S8CWU8
UniRef90_Q2JBY8
UniRef90_Q05ZM4
UniRef90_UPI0002FD09DB
UniRef90_D5X340
UniRef90_UPI00041AA4C8
UniRef90_UPI0003F53BD9
UniRef90_Q3AWV1
UniRef90_S9VDZ6
UniRef90_W4K783
UniRef90_S8AID2
UniRef90_D0KZ83
UniRef90_UPI00037B67B1
UniRef90_M7ZNZ5
UniRef90_L8WJX7
UniRef90_G2E6V4
UniRef90_A9BEI0
UniRef90_A4H608
UniRef90_S4MPX8
UniRef90_W8KWL0
UniRef90_B1VNY9


1
10
20
30
40
UniRef90_A0A038LE01
UniRef90_Q05RF9
UniRef90_D8TQG0
UniRef90_Q10T66
UniRef90_Q00T55
UniRef90_W9YNA4
UniRef90_B5ILP2
UniRef90_A5GS74
UniRef90_UPI00047C6D63
UniRef90_I1HAY5
UniRef90_A4CS69
UniRef90_R1DHJ0
UniRef90_UPI00035D29F6
UniRef90_UPI00036B5CE0
UniRef90_A2C7V7
UniRef90_V6JWF1
UniRef90_F9UIG6
UniRef90_Q3SR53
UniRef90_UPI0003C77849
UniRef90_D2Q2R8
UniRef90_F2R7L3
UniRef90_U5W383
UniRef90_C1N8A5
UniRef90_UPI000404B7F8
UniRef90_UPI0003F4A179
UniRef90_Q7VD26
UniRef90_C1DXJ4
UniRef90_I7MHV4
UniRef90_H5X8R5
UniRef90_A0A045PI37
UniRef90_C6H1X9
UniRef90_E6R3W9
UniRef90_N1QJ24
UniRef90_UPI00036667EA
UniRef90_UPI000378A46C
UniRef90_UPI000262CB07
UniRef90_R1ID50
UniRef90_K8EGG2
UniRef90_W9V4V7
UniRef90_E2PXV7
UniRef90_D3RQ39
UniRef90_X1TNA5
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


50
60
70
UniRef90_A0A038LE01
UniRef90_Q05RF9
UniRef90_D8TQG0
UniRef90_Q10T66
UniRef90_Q00T55
UniRef90_W9YNA4
UniRef90_B5ILP2
UniRef90_A5GS74
UniRef90_UPI00047C6D63
UniRef90_I1HAY5
UniRef90_A4CS69
UniRef90_R1DHJ0
UniRef90_UPI00035D29F6
UniRef90_UPI00036B5CE0
UniRef90_A2C7V7
UniRef90_V6JWF1
UniRef90_F9UIG6
UniRef90_Q3SR53
UniRef90_UPI0003C77849
UniRef90_D2Q2R8
UniRef90_F2R7L3
UniRef90_U5W383
UniRef90_C1N8A5
UniRef90_UPI000404B7F8
UniRef90_UPI0003F4A179
UniRef90_Q7VD26
UniRef90_C1DXJ4
UniRef90_I7MHV4
UniRef90_H5X8R5
UniRef90_A0A045PI37
UniRef90_C6H1X9
UniRef90_E6R3W9
UniRef90_N1QJ24
UniRef90_UPI00036667EA
UniRef90_UPI000378A46C
UniRef90_UPI000262CB07
UniRef90_R1ID50
UniRef90_K8EGG2
UniRef90_W9V4V7
UniRef90_E2PXV7
UniRef90_D3RQ39
UniRef90_X1TNA5
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm