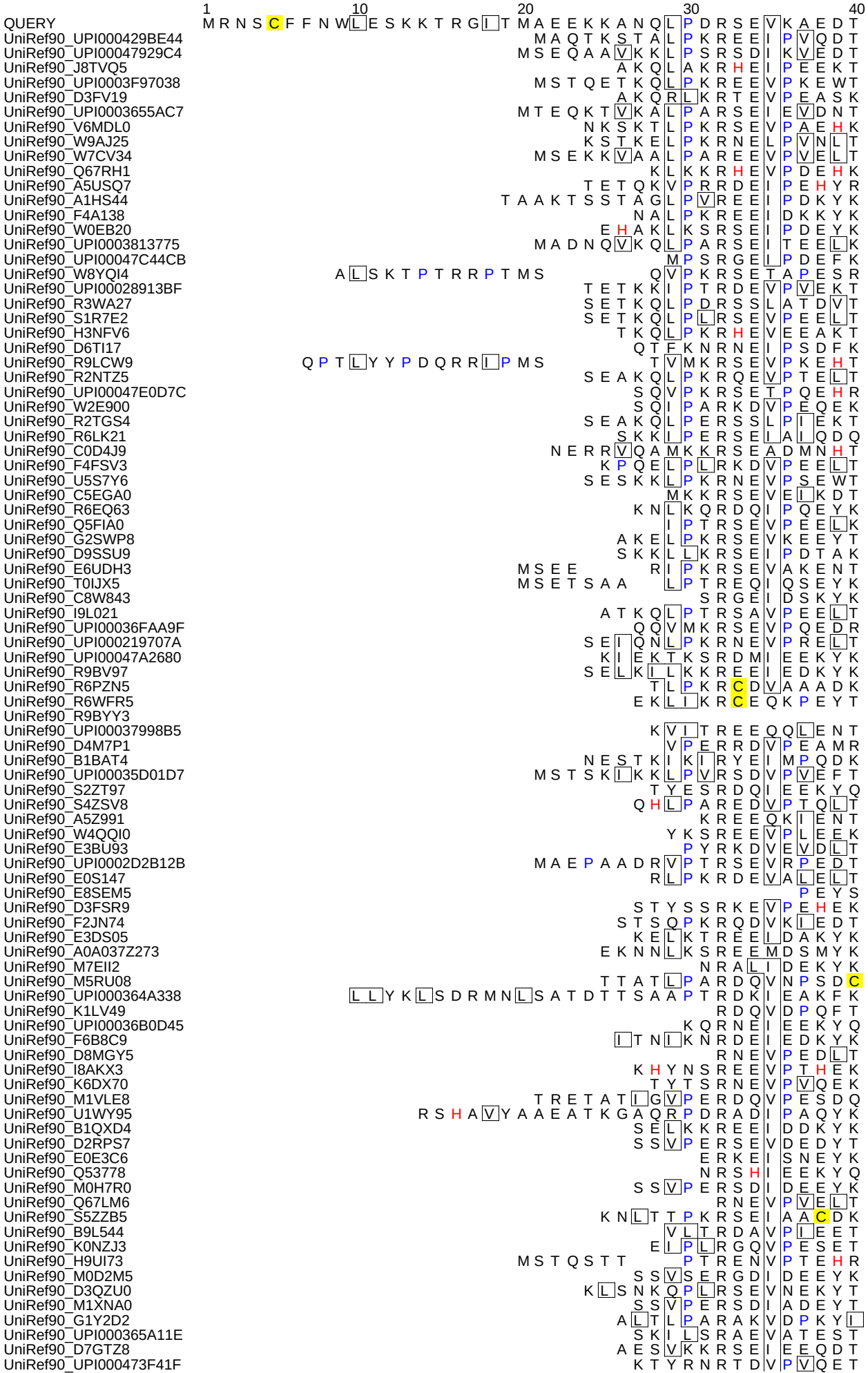
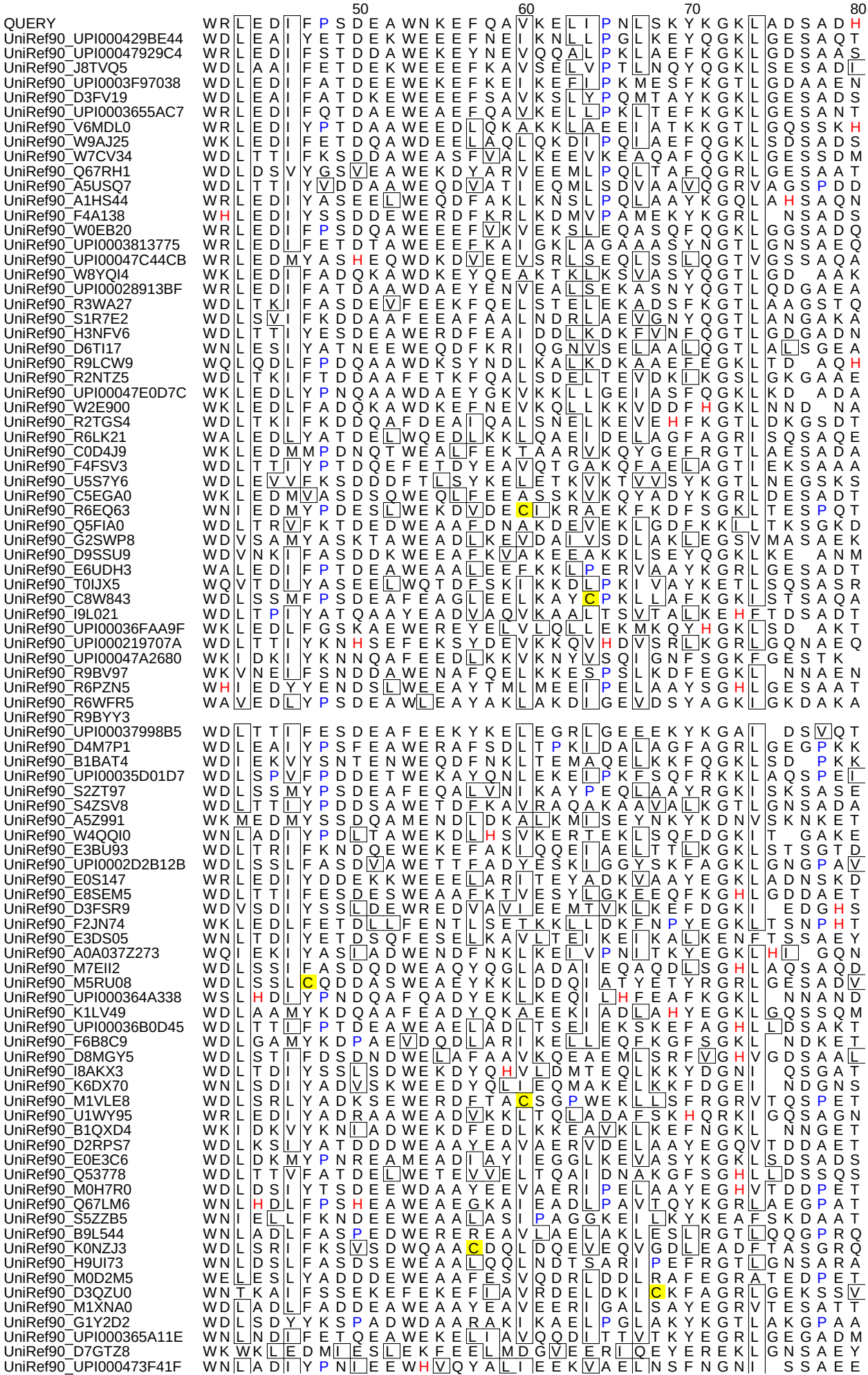
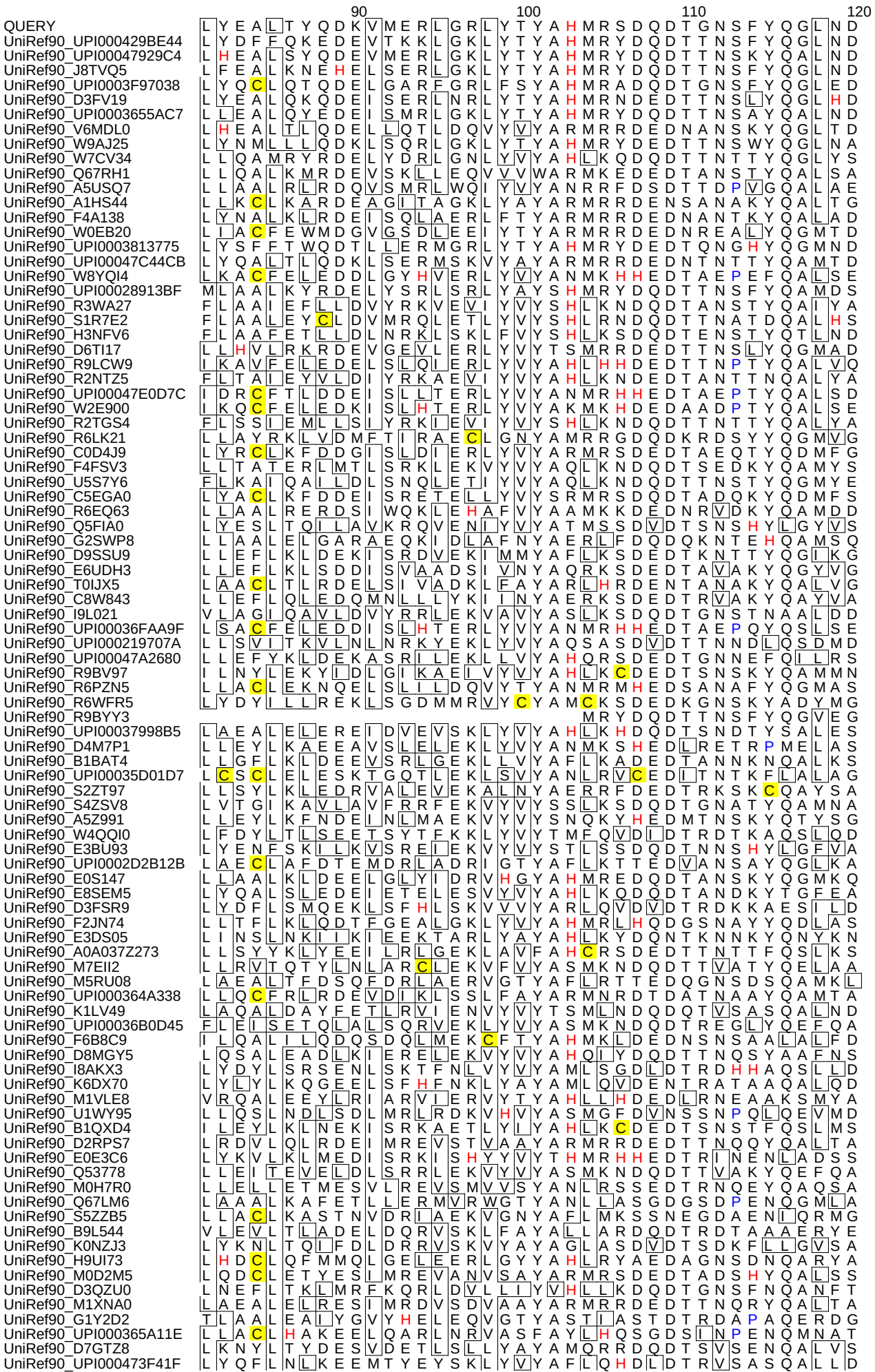
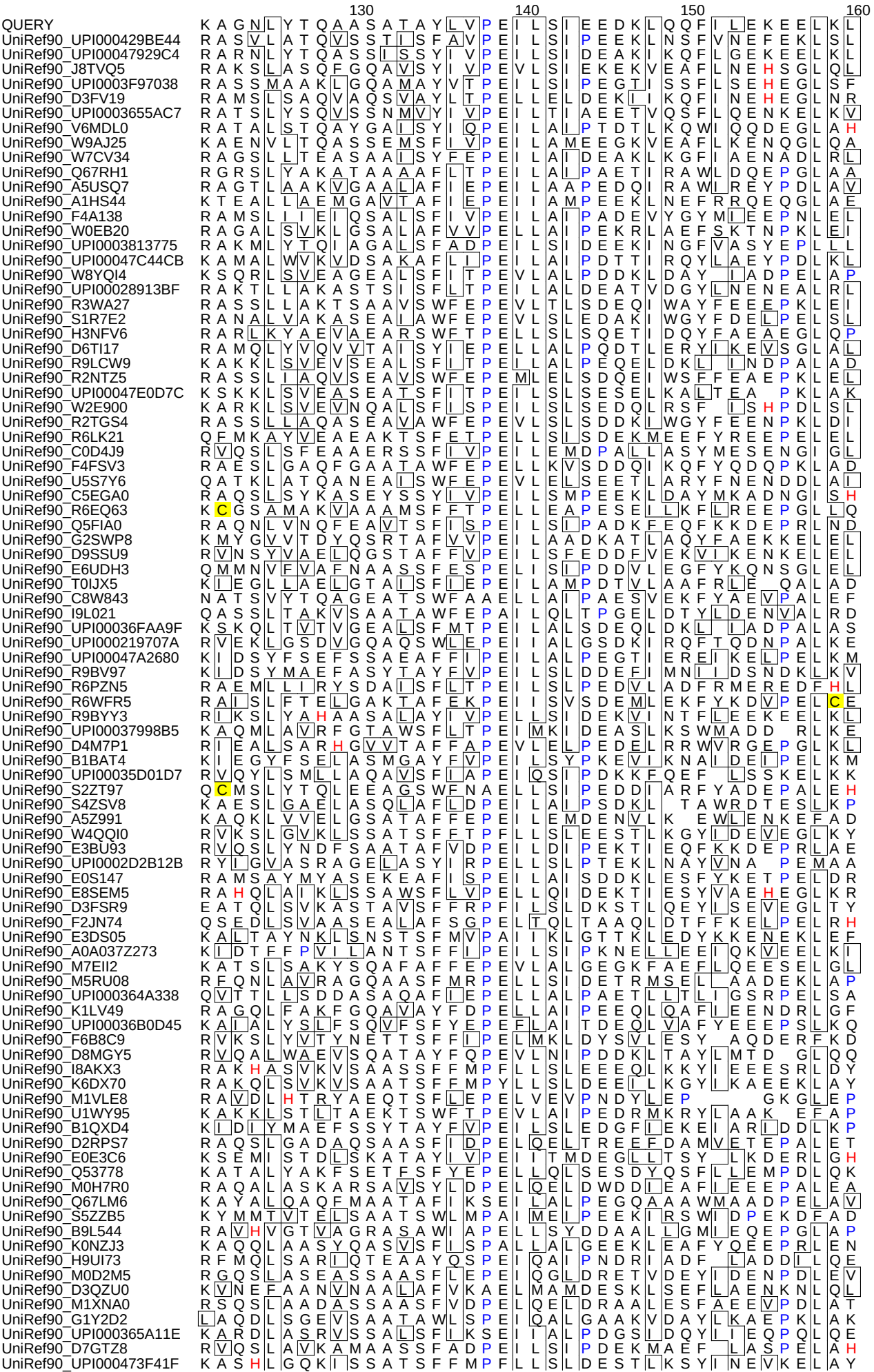
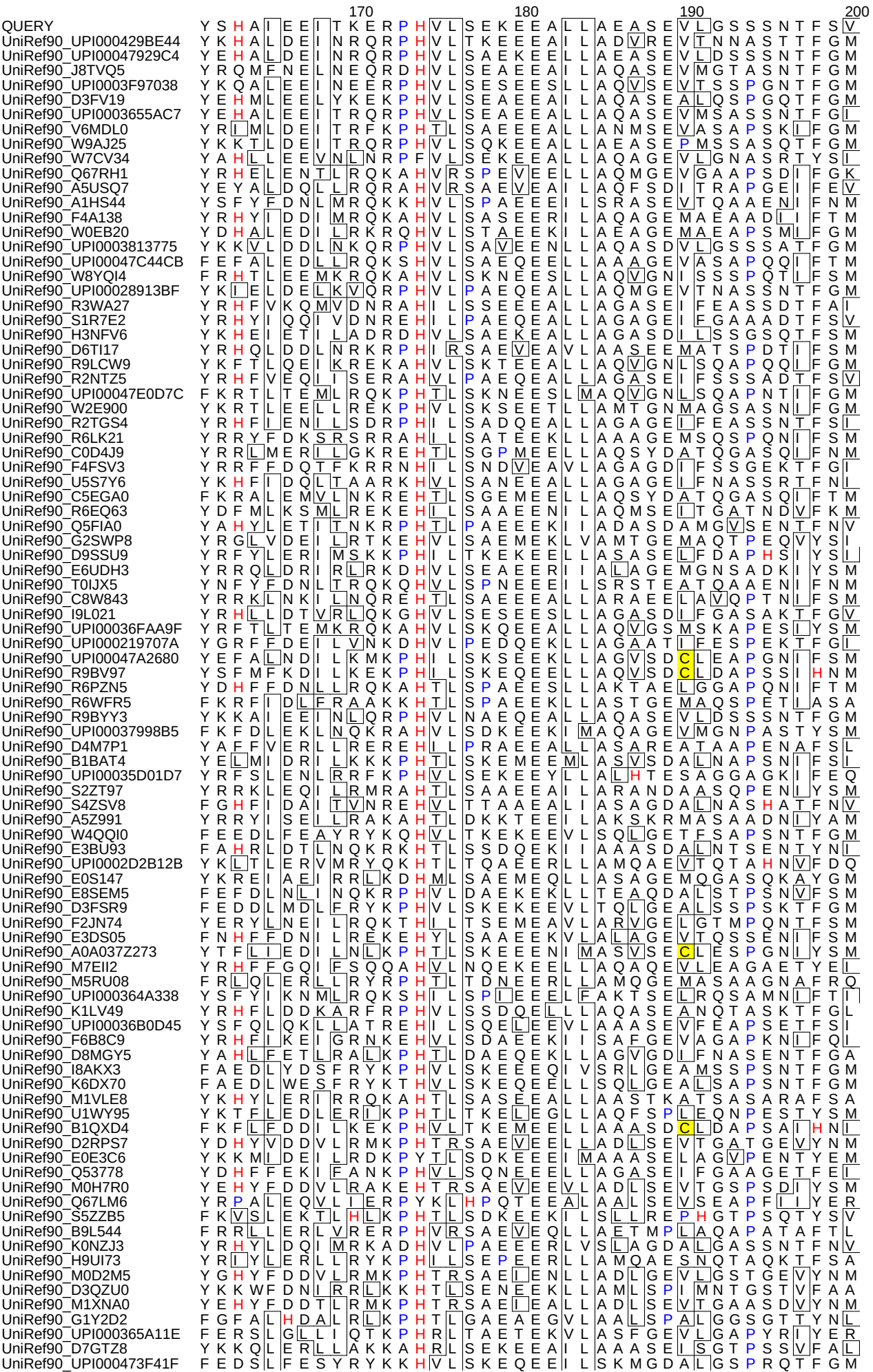
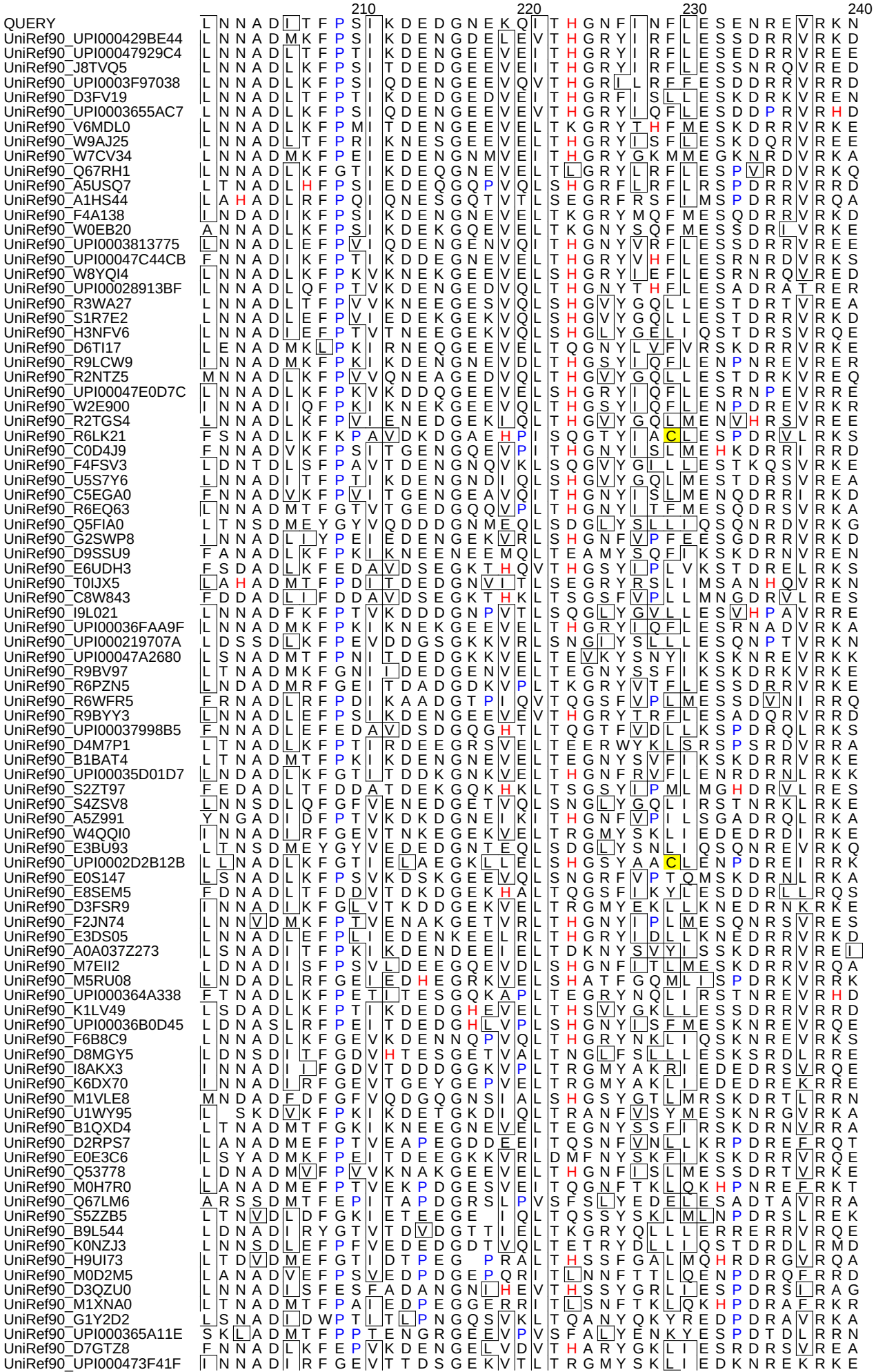

1
10
20
30
40
QUERY
UniRef90_UPI000429BE44
UniRef90_UPI00047929C4
UniRef90_J8TVQ5
UniRef90_UPI0003F97038
UniRef90_D3FV19
UniRef90_UPI0003655AC7
UniRef90_V6MDL0
UniRef90_W9AJ25
UniRef90_W7CV34
UniRef90_Q67RH1
UniRef90_A5USQ7
UniRef90_A1HS44
UniRef90_F4A138
UniRef90_W0EB20
UniRef90_UPI0003813775
UniRef90_UPI00047C44CB
UniRef90_W8YQI4
UniRef90_UPI00028913BF
UniRef90_R3WA27
UniRef90_S1R7E2
UniRef90_H3NFV6
UniRef90_D6TI17
UniRef90_R9LCW9
UniRef90_R2NTZ5
UniRef90_UPI00047E0D7C
UniRef90_W2E900
UniRef90_R2TGS4
UniRef90_R6LK21
UniRef90_C0D4J9
UniRef90_F4FSV3
UniRef90_U5S7Y6
UniRef90_C5EGA0
UniRef90_R6EQ63
UniRef90_Q5FIA0
UniRef90_G2SWP8
UniRef90_D9SSU9
UniRef90_E6UDH3
UniRef90_T0IJX5
UniRef90_C8W843
UniRef90_I9L021
UniRef90_UPI00036FAA9F
UniRef90_UPI000219707A
UniRef90_UPI00047A2680
UniRef90_R9BV97
UniRef90_R6PZN5
UniRef90_R6WFR5
UniRef90_R9BYY3
UniRef90_UPI00037998B5
UniRef90_D4M7P1
UniRef90_B1BAT4
UniRef90_UPI00035D01D7
UniRef90_S2ZT97
UniRef90_S4ZSV8
UniRef90_A5Z991
UniRef90_W4QQI0
UniRef90_E3BU93
UniRef90_UPI0002D2B12B
UniRef90_E0S147
UniRef90_E8SEM5
UniRef90_D3FSR9
UniRef90_F2JN74
UniRef90_E3DS05
UniRef90_A0A037Z273
UniRef90_M7EII2
UniRef90_M5RU08
UniRef90_UPI000364A338
UniRef90_K1LV49
UniRef90_UPI00036B0D45
UniRef90_F6B8C9
UniRef90_D8MGY5
UniRef90_I8AKX3
UniRef90_K6DX70
UniRef90_M1VLE8
UniRef90_U1WY95
UniRef90_B1QXD4
UniRef90_D2RPS7
UniRef90_E0E3C6
UniRef90_Q53778
UniRef90_M0H7R0
UniRef90_Q67LM6
UniRef90_S5ZZB5
UniRef90_B9L544
UniRef90_K0NZJ3
UniRef90_H9UI73
UniRef90_M0D2M5
UniRef90_D3QZU0
UniRef90_M1XNA0
UniRef90_G1Y2D2
UniRef90_UPI000365A11E
UniRef90_D7GTZ8
UniRef90_UPI000473F41F

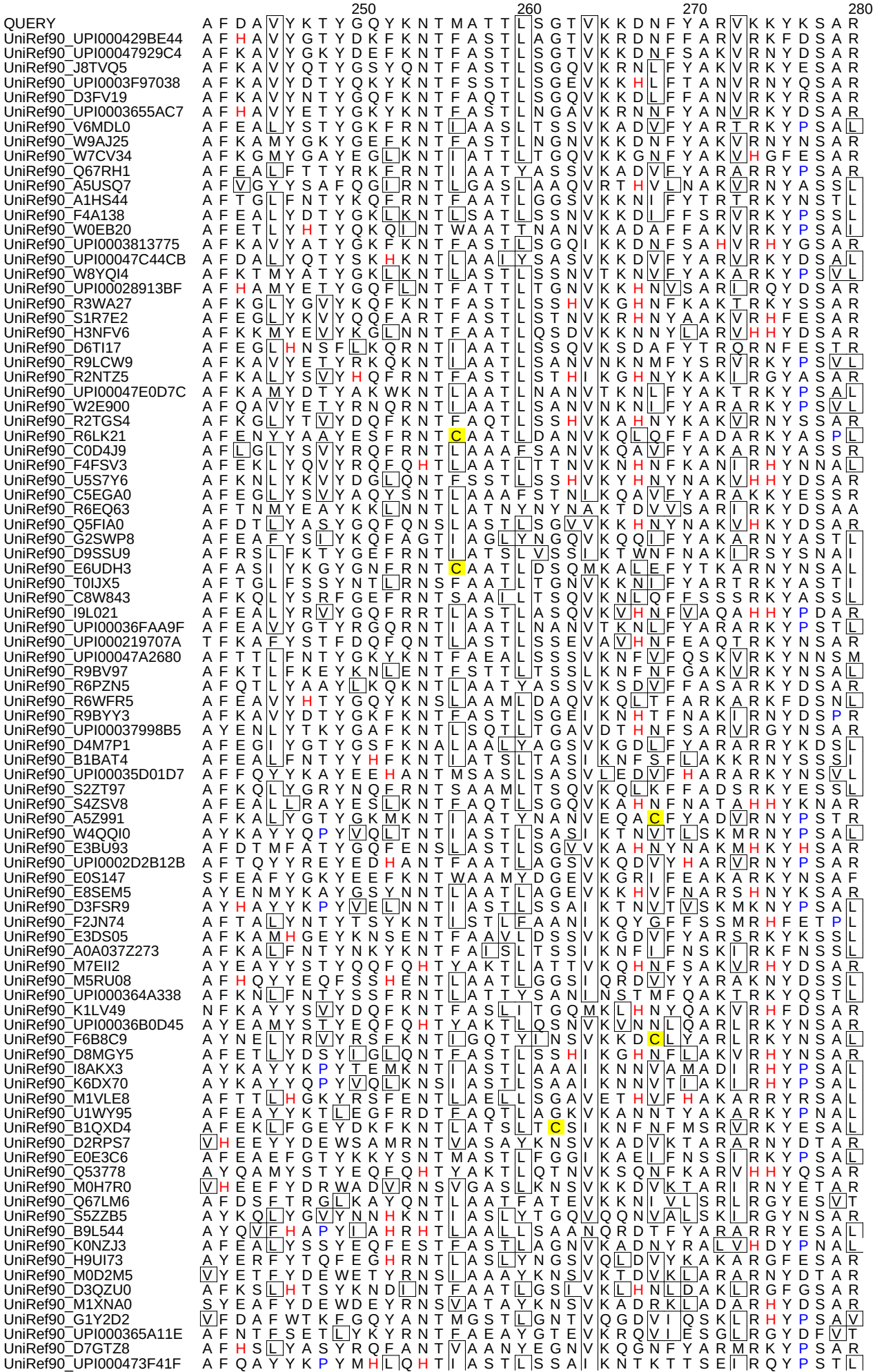

50
60
70
80
QUERY
UniRef90_UPI000429BE44
UniRef90_UPI00047929C4
UniRef90_J8TVQ5
UniRef90_UPI0003F97038
UniRef90_D3FV19
UniRef90_UPI0003655AC7
UniRef90_V6MDL0
UniRef90_W9AJ25
UniRef90_W7CV34
UniRef90_Q67RH1
UniRef90_A5USQ7
UniRef90_A1HS44
UniRef90_F4A138
UniRef90_W0EB20
UniRef90_UPI0003813775
UniRef90_UPI00047C44CB
UniRef90_W8YQI4
UniRef90_UPI00028913BF
UniRef90_R3WA27
UniRef90_S1R7E2
UniRef90_H3NFV6
UniRef90_D6TI17
UniRef90_R9LCW9
UniRef90_R2NTZ5
UniRef90_UPI00047E0D7C
UniRef90_W2E900
UniRef90_R2TGS4
UniRef90_R6LK21
UniRef90_C0D4J9
UniRef90_F4FSV3
UniRef90_U5S7Y6
UniRef90_C5EGA0
UniRef90_R6EQ63
UniRef90_Q5FIA0
UniRef90_G2SWP8
UniRef90_D9SSU9
UniRef90_E6UDH3
UniRef90_T0IJX5
UniRef90_C8W843
UniRef90_I9L021
UniRef90_UPI00036FAA9F
UniRef90_UPI000219707A
UniRef90_UPI00047A2680
UniRef90_R9BV97
UniRef90_R6PZN5
UniRef90_R6WFR5
UniRef90_R9BYY3
UniRef90_UPI00037998B5
UniRef90_D4M7P1
UniRef90_B1BAT4
UniRef90_UPI00035D01D7
UniRef90_S2ZT97
UniRef90_S4ZSV8
UniRef90_A5Z991
UniRef90_W4QQI0
UniRef90_E3BU93
UniRef90_UPI0002D2B12B
UniRef90_E0S147
UniRef90_E8SEM5
UniRef90_D3FSR9
UniRef90_F2JN74
UniRef90_E3DS05
UniRef90_A0A037Z273
UniRef90_M7EII2
UniRef90_M5RU08
UniRef90_UPI000364A338
UniRef90_K1LV49
UniRef90_UPI00036B0D45
UniRef90_F6B8C9
UniRef90_D8MGY5
UniRef90_I8AKX3
UniRef90_K6DX70
UniRef90_M1VLE8
UniRef90_U1WY95
UniRef90_B1QXD4
UniRef90_D2RPS7
UniRef90_E0E3C6
UniRef90_Q53778
UniRef90_M0H7R0
UniRef90_Q67LM6
UniRef90_S5ZZB5
UniRef90_B9L544
UniRef90_K0NZJ3
UniRef90_H9UI73
UniRef90_M0D2M5
UniRef90_D3QZU0
UniRef90_M1XNA0
UniRef90_G1Y2D2
UniRef90_UPI000365A11E
UniRef90_D7GTZ8
UniRef90_UPI000473F41F

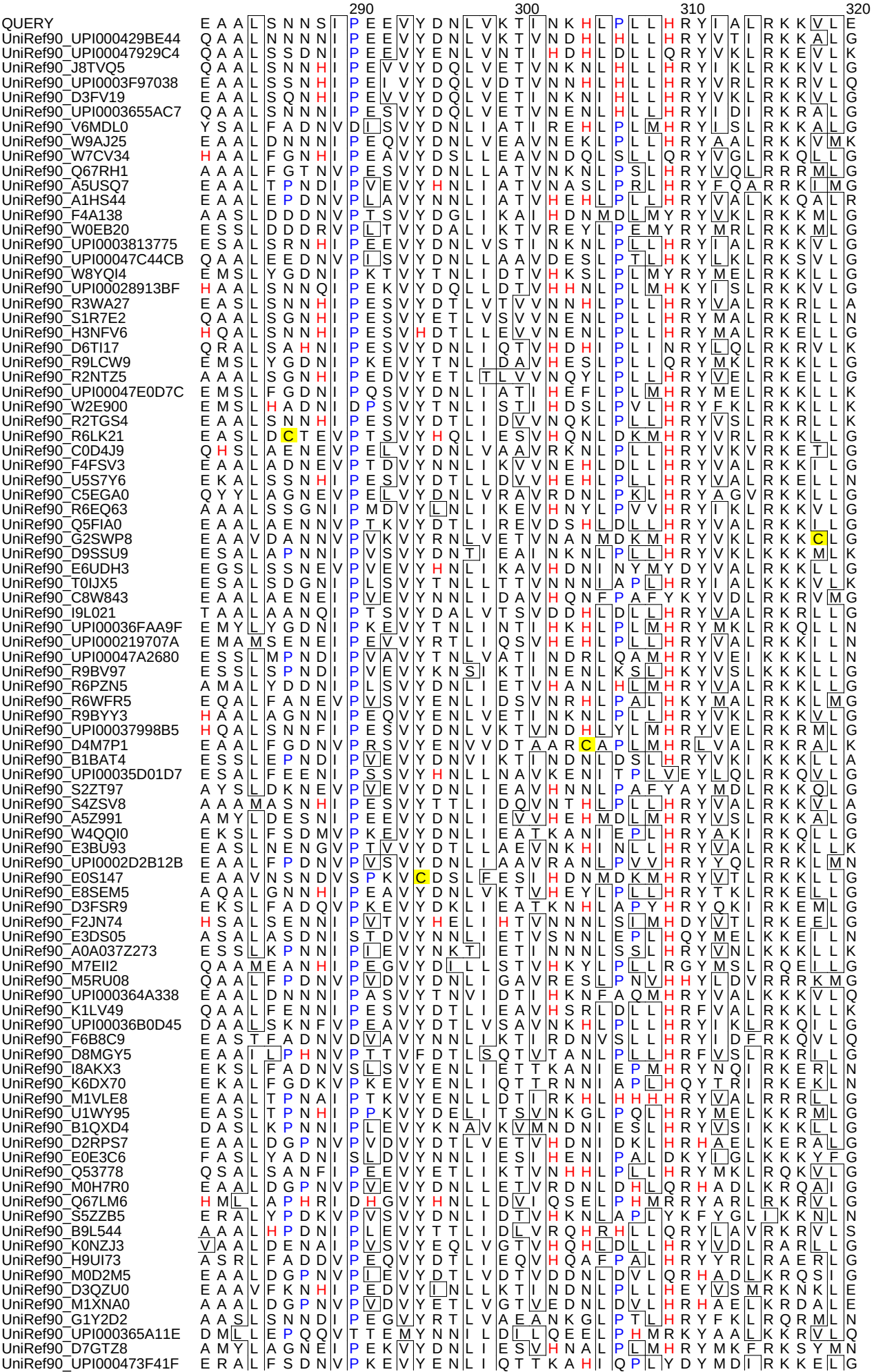

90
100
110
120
QUERY
UniRef90_UPI000429BE44
UniRef90_UPI00047929C4
UniRef90_J8TVQ5
UniRef90_UPI0003F97038
UniRef90_D3FV19
UniRef90_UPI0003655AC7
UniRef90_V6MDL0
UniRef90_W9AJ25
UniRef90_W7CV34
UniRef90_Q67RH1
UniRef90_A5USQ7
UniRef90_A1HS44
UniRef90_F4A138
UniRef90_W0EB20
UniRef90_UPI0003813775
UniRef90_UPI00047C44CB
UniRef90_W8YQI4
UniRef90_UPI00028913BF
UniRef90_R3WA27
UniRef90_S1R7E2
UniRef90_H3NFV6
UniRef90_D6TI17
UniRef90_R9LCW9
UniRef90_R2NTZ5
UniRef90_UPI00047E0D7C
UniRef90_W2E900
UniRef90_R2TGS4
UniRef90_R6LK21
UniRef90_C0D4J9
UniRef90_F4FSV3
UniRef90_U5S7Y6
UniRef90_C5EGA0
UniRef90_R6EQ63
UniRef90_Q5FIA0
UniRef90_G2SWP8
UniRef90_D9SSU9
UniRef90_E6UDH3
UniRef90_T0IJX5
UniRef90_C8W843
UniRef90_I9L021
UniRef90_UPI00036FAA9F
UniRef90_UPI000219707A
UniRef90_UPI00047A2680
UniRef90_R9BV97
UniRef90_R6PZN5
UniRef90_R6WFR5
UniRef90_R9BYY3
UniRef90_UPI00037998B5
UniRef90_D4M7P1
UniRef90_B1BAT4
UniRef90_UPI00035D01D7
UniRef90_S2ZT97
UniRef90_S4ZSV8
UniRef90_A5Z991
UniRef90_W4QQI0
UniRef90_E3BU93
UniRef90_UPI0002D2B12B
UniRef90_E0S147
UniRef90_E8SEM5
UniRef90_D3FSR9
UniRef90_F2JN74
UniRef90_E3DS05
UniRef90_A0A037Z273
UniRef90_M7EII2
UniRef90_M5RU08
UniRef90_UPI000364A338
UniRef90_K1LV49
UniRef90_UPI00036B0D45
UniRef90_F6B8C9
UniRef90_D8MGY5
UniRef90_I8AKX3
UniRef90_K6DX70
UniRef90_M1VLE8
UniRef90_U1WY95
UniRef90_B1QXD4
UniRef90_D2RPS7
UniRef90_E0E3C6
UniRef90_Q53778
UniRef90_M0H7R0
UniRef90_Q67LM6
UniRef90_S5ZZB5
UniRef90_B9L544
UniRef90_K0NZJ3
UniRef90_H9UI73
UniRef90_M0D2M5
UniRef90_D3QZU0
UniRef90_M1XNA0
UniRef90_G1Y2D2
UniRef90_UPI000365A11E
UniRef90_D7GTZ8
UniRef90_UPI000473F41F

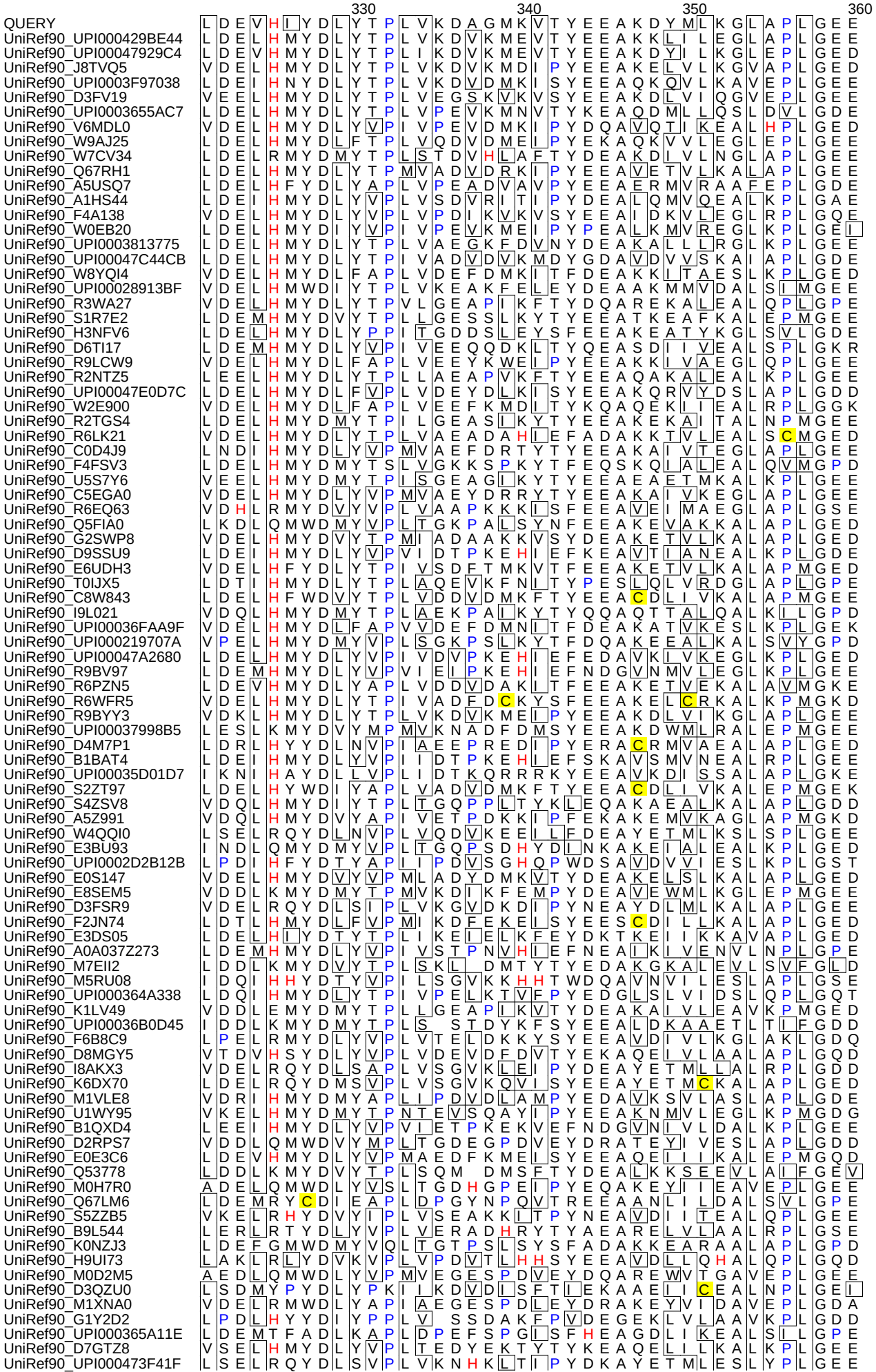

130
140
150
160
QUERY
UniRef90_UPI000429BE44
UniRef90_UPI00047929C4
UniRef90_J8TVQ5
UniRef90_UPI0003F97038
UniRef90_D3FV19
UniRef90_UPI0003655AC7
UniRef90_V6MDL0
UniRef90_W9AJ25
UniRef90_W7CV34
UniRef90_Q67RH1
UniRef90_A5USQ7
UniRef90_A1HS44
UniRef90_F4A138
UniRef90_W0EB20
UniRef90_UPI0003813775
UniRef90_UPI00047C44CB
UniRef90_W8YQI4
UniRef90_UPI00028913BF
UniRef90_R3WA27
UniRef90_S1R7E2
UniRef90_H3NFV6
UniRef90_D6TI17
UniRef90_R9LCW9
UniRef90_R2NTZ5
UniRef90_UPI00047E0D7C
UniRef90_W2E900
UniRef90_R2TGS4
UniRef90_R6LK21
UniRef90_C0D4J9
UniRef90_F4FSV3
UniRef90_U5S7Y6
UniRef90_C5EGA0
UniRef90_R6EQ63
UniRef90_Q5FIA0
UniRef90_G2SWP8
UniRef90_D9SSU9
UniRef90_E6UDH3
UniRef90_T0IJX5
UniRef90_C8W843
UniRef90_I9L021
UniRef90_UPI00036FAA9F
UniRef90_UPI000219707A
UniRef90_UPI00047A2680
UniRef90_R9BV97
UniRef90_R6PZN5
UniRef90_R6WFR5
UniRef90_R9BYY3
UniRef90_UPI00037998B5
UniRef90_D4M7P1
UniRef90_B1BAT4
UniRef90_UPI00035D01D7
UniRef90_S2ZT97
UniRef90_S4ZSV8
UniRef90_A5Z991
UniRef90_W4QQI0
UniRef90_E3BU93
UniRef90_UPI0002D2B12B
UniRef90_E0S147
UniRef90_E8SEM5
UniRef90_D3FSR9
UniRef90_F2JN74
UniRef90_E3DS05
UniRef90_A0A037Z273
UniRef90_M7EII2
UniRef90_M5RU08
UniRef90_UPI000364A338
UniRef90_K1LV49
UniRef90_UPI00036B0D45
UniRef90_F6B8C9
UniRef90_D8MGY5
UniRef90_I8AKX3
UniRef90_K6DX70
UniRef90_M1VLE8
UniRef90_U1WY95
UniRef90_B1QXD4
UniRef90_D2RPS7
UniRef90_E0E3C6
UniRef90_Q53778
UniRef90_M0H7R0
UniRef90_Q67LM6
UniRef90_S5ZZB5
UniRef90_B9L544
UniRef90_K0NZJ3
UniRef90_H9UI73
UniRef90_M0D2M5
UniRef90_D3QZU0
UniRef90_M1XNA0
UniRef90_G1Y2D2
UniRef90_UPI000365A11E
UniRef90_D7GTZ8
UniRef90_UPI000473F41F

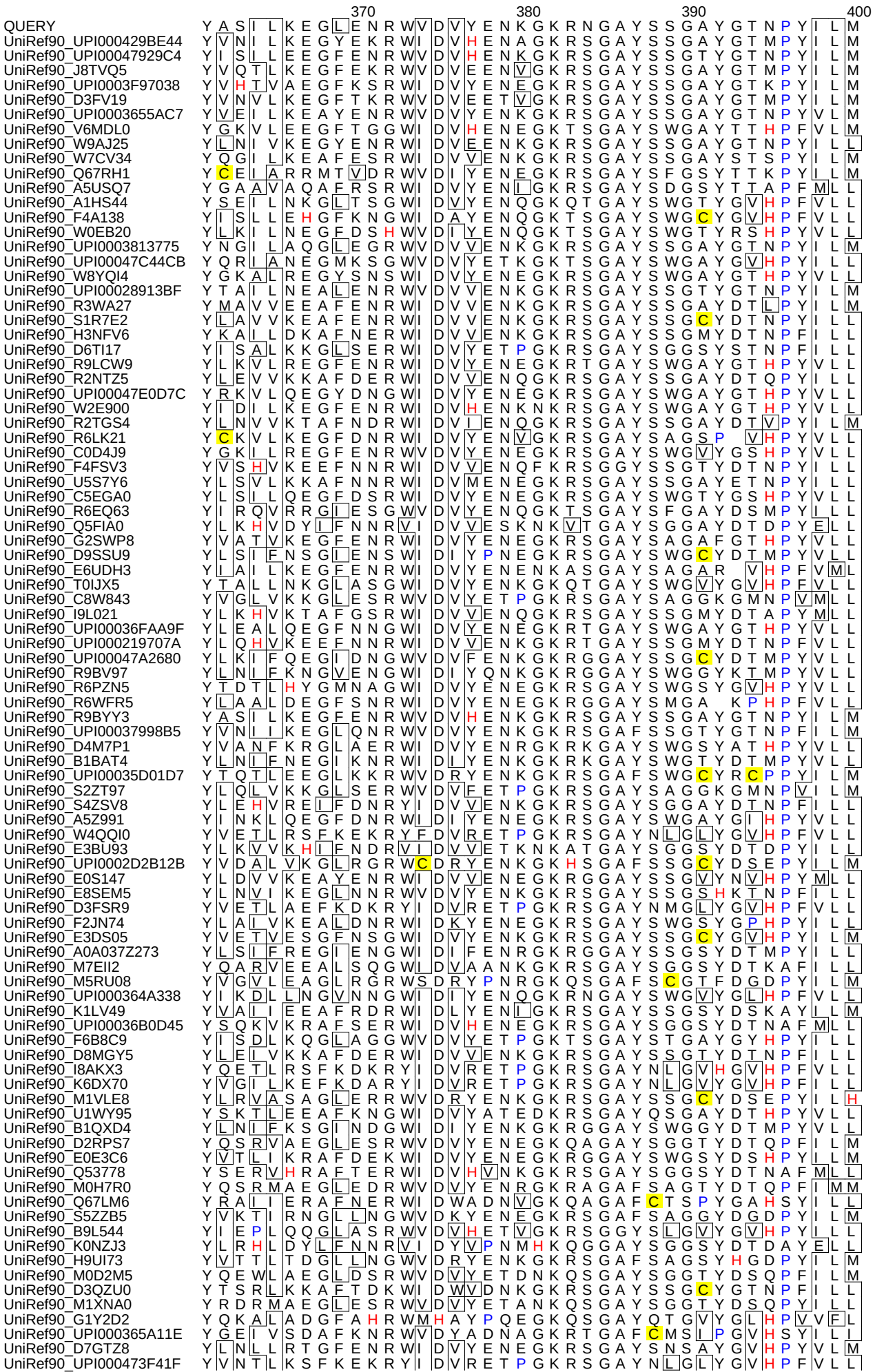

170
180
190
200
QUERY
UniRef90_UPI000429BE44
UniRef90_UPI00047929C4
UniRef90_J8TVQ5
UniRef90_UPI0003F97038
UniRef90_D3FV19
UniRef90_UPI0003655AC7
UniRef90_V6MDL0
UniRef90_W9AJ25
UniRef90_W7CV34
UniRef90_Q67RH1
UniRef90_A5USQ7
UniRef90_A1HS44
UniRef90_F4A138
UniRef90_W0EB20
UniRef90_UPI0003813775
UniRef90_UPI00047C44CB
UniRef90_W8YQI4
UniRef90_UPI00028913BF
UniRef90_R3WA27
UniRef90_S1R7E2
UniRef90_H3NFV6
UniRef90_D6TI17
UniRef90_R9LCW9
UniRef90_R2NTZ5
UniRef90_UPI00047E0D7C
UniRef90_W2E900
UniRef90_R2TGS4
UniRef90_R6LK21
UniRef90_C0D4J9
UniRef90_F4FSV3
UniRef90_U5S7Y6
UniRef90_C5EGA0
UniRef90_R6EQ63
UniRef90_Q5FIA0
UniRef90_G2SWP8
UniRef90_D9SSU9
UniRef90_E6UDH3
UniRef90_T0IJX5
UniRef90_C8W843
UniRef90_I9L021
UniRef90_UPI00036FAA9F
UniRef90_UPI000219707A
UniRef90_UPI00047A2680
UniRef90_R9BV97
UniRef90_R6PZN5
UniRef90_R6WFR5
UniRef90_R9BYY3
UniRef90_UPI00037998B5
UniRef90_D4M7P1
UniRef90_B1BAT4
UniRef90_UPI00035D01D7
UniRef90_S2ZT97
UniRef90_S4ZSV8
UniRef90_A5Z991
UniRef90_W4QQI0
UniRef90_E3BU93
UniRef90_UPI0002D2B12B
UniRef90_E0S147
UniRef90_E8SEM5
UniRef90_D3FSR9
UniRef90_F2JN74
UniRef90_E3DS05
UniRef90_A0A037Z273
UniRef90_M7EII2
UniRef90_M5RU08
UniRef90_UPI000364A338
UniRef90_K1LV49
UniRef90_UPI00036B0D45
UniRef90_F6B8C9
UniRef90_D8MGY5
UniRef90_I8AKX3
UniRef90_K6DX70
UniRef90_M1VLE8
UniRef90_U1WY95
UniRef90_B1QXD4
UniRef90_D2RPS7
UniRef90_E0E3C6
UniRef90_Q53778
UniRef90_M0H7R0
UniRef90_Q67LM6
UniRef90_S5ZZB5
UniRef90_B9L544
UniRef90_K0NZJ3
UniRef90_H9UI73
UniRef90_M0D2M5
UniRef90_D3QZU0
UniRef90_M1XNA0
UniRef90_G1Y2D2
UniRef90_UPI000365A11E
UniRef90_D7GTZ8
UniRef90_UPI000473F41F

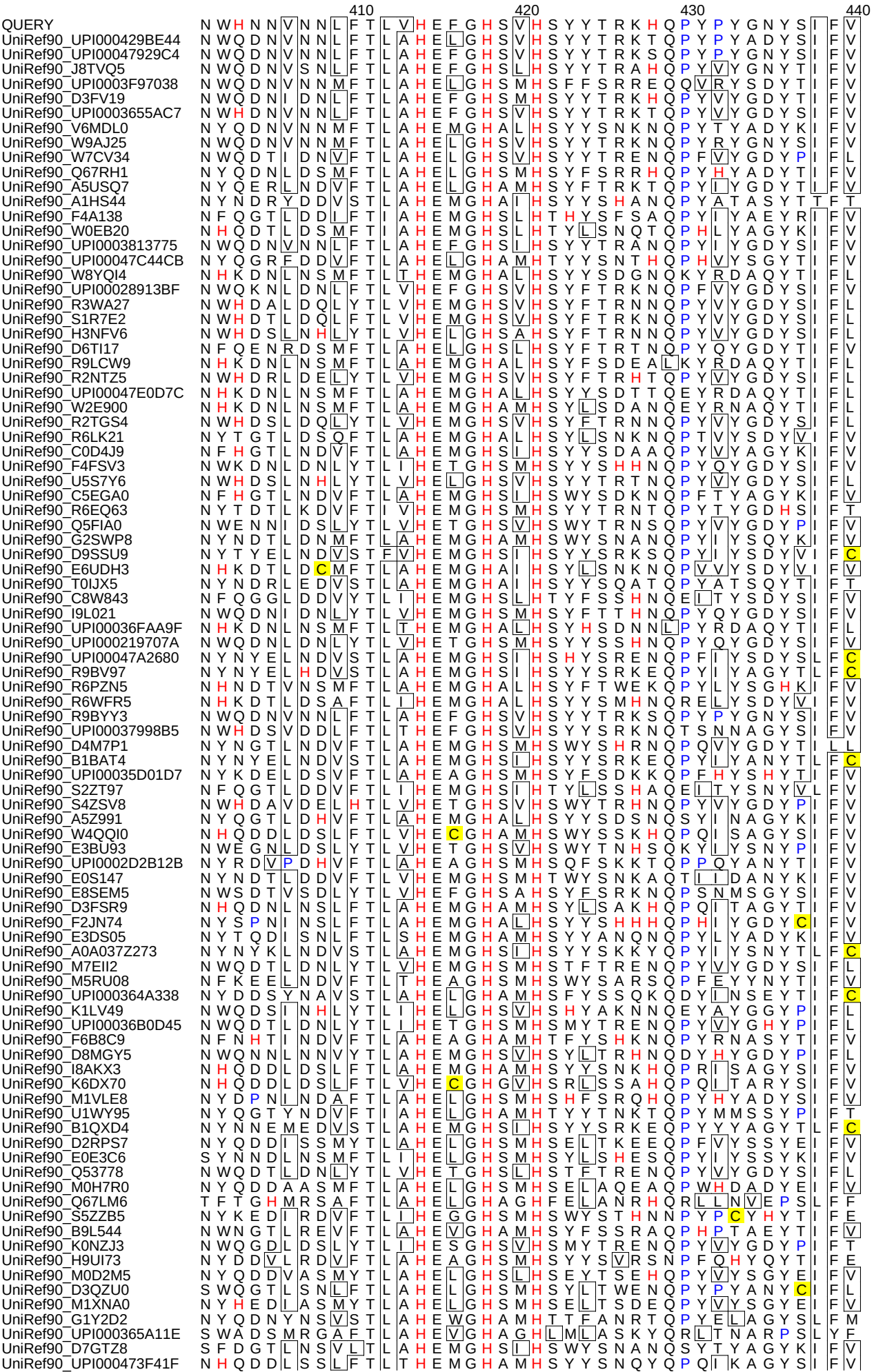

210
220
230
240
QUERY
UniRef90_UPI000429BE44
UniRef90_UPI00047929C4
UniRef90_J8TVQ5
UniRef90_UPI0003F97038
UniRef90_D3FV19
UniRef90_UPI0003655AC7
UniRef90_V6MDL0
UniRef90_W9AJ25
UniRef90_W7CV34
UniRef90_Q67RH1
UniRef90_A5USQ7
UniRef90_A1HS44
UniRef90_F4A138
UniRef90_W0EB20
UniRef90_UPI0003813775
UniRef90_UPI00047C44CB
UniRef90_W8YQI4
UniRef90_UPI00028913BF
UniRef90_R3WA27
UniRef90_S1R7E2
UniRef90_H3NFV6
UniRef90_D6TI17
UniRef90_R9LCW9
UniRef90_R2NTZ5
UniRef90_UPI00047E0D7C
UniRef90_W2E900
UniRef90_R2TGS4
UniRef90_R6LK21
UniRef90_C0D4J9
UniRef90_F4FSV3
UniRef90_U5S7Y6
UniRef90_C5EGA0
UniRef90_R6EQ63
UniRef90_Q5FIA0
UniRef90_G2SWP8
UniRef90_D9SSU9
UniRef90_E6UDH3
UniRef90_T0IJX5
UniRef90_C8W843
UniRef90_I9L021
UniRef90_UPI00036FAA9F
UniRef90_UPI000219707A
UniRef90_UPI00047A2680
UniRef90_R9BV97
UniRef90_R6PZN5
UniRef90_R6WFR5
UniRef90_R9BYY3
UniRef90_UPI00037998B5
UniRef90_D4M7P1
UniRef90_B1BAT4
UniRef90_UPI00035D01D7
UniRef90_S2ZT97
UniRef90_S4ZSV8
UniRef90_A5Z991
UniRef90_W4QQI0
UniRef90_E3BU93
UniRef90_UPI0002D2B12B
UniRef90_E0S147
UniRef90_E8SEM5
UniRef90_D3FSR9
UniRef90_F2JN74
UniRef90_E3DS05
UniRef90_A0A037Z273
UniRef90_M7EII2
UniRef90_M5RU08
UniRef90_UPI000364A338
UniRef90_K1LV49
UniRef90_UPI00036B0D45
UniRef90_F6B8C9
UniRef90_D8MGY5
UniRef90_I8AKX3
UniRef90_K6DX70
UniRef90_M1VLE8
UniRef90_U1WY95
UniRef90_B1QXD4
UniRef90_D2RPS7
UniRef90_E0E3C6
UniRef90_Q53778
UniRef90_M0H7R0
UniRef90_Q67LM6
UniRef90_S5ZZB5
UniRef90_B9L544
UniRef90_K0NZJ3
UniRef90_H9UI73
UniRef90_M0D2M5
UniRef90_D3QZU0
UniRef90_M1XNA0
UniRef90_G1Y2D2
UniRef90_UPI000365A11E
UniRef90_D7GTZ8
UniRef90_UPI000473F41F

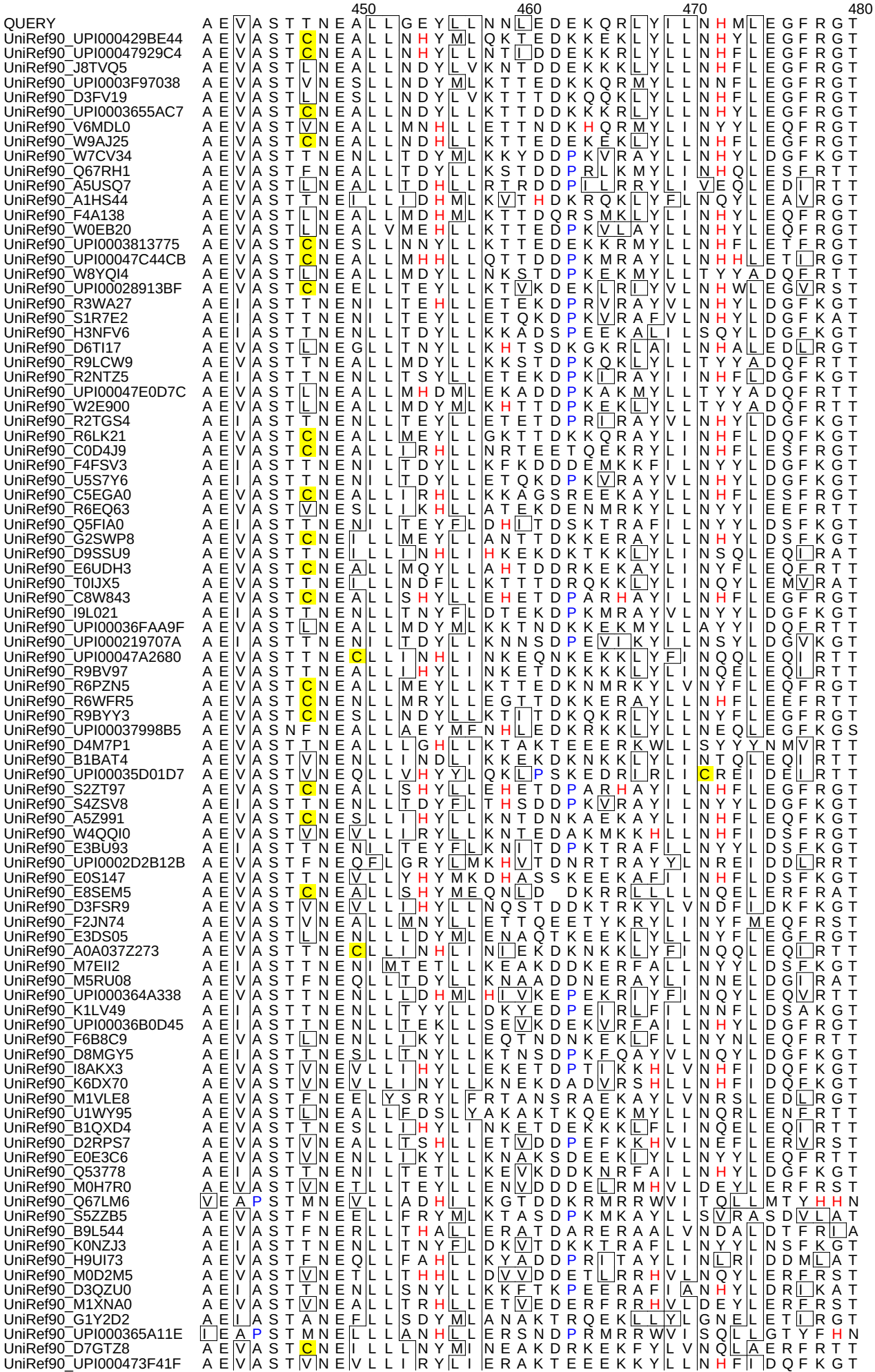

250
260
270
280
QUERY A F D A V Y K T Y G Q Y K N T M A T T L S G T V K K D N F Y A R V K K Y K S A R
UniRef90_UPI000429BE44 A F H A V Y G T Y D K F K N T F A S T L A G T V K R D N F F A R V R K F D S A R
UniRef90_UPI00047929C4 A F K A V Y G K Y D E F K N T F A S T L S G T V K K D N F S A K V R N Y D S A R
UniRef90_J8TVQ5 A F K A V Y Q T Y G S Y Q N T F A S T L S G Q V K R N L F Y A K V R K Y E S A R
UniRef90_UPI0003F97038 A F K A V Y D T Y Q K Y K N T F S S T L S G E V K K H L F T A N V R N Y Q S A R
UniRef90_D3FV19 A F K A V Y N T Y G Q F K N T F A Q T L S G Q V K K D L F F A N V R K Y R S A R
UniRef90_UPI0003655AC7 A F H A V Y E T Y G K Y K N T F A S T L N G A V K R N N F Y A N V R K Y D S A R
UniRef90_V6MDL0 A F E A L Y S T Y G K F R N T I A A S L T S S V K A D V F Y A R T R K Y P S A L
UniRef90_W9AJ25 A F K A M Y G K Y G E F K N T F A S T L N G N V K K D N F Y A K V R N Y N S A R
UniRef90_W7CV34 A F K G M Y G A Y E G L K N T I A T T L T G Q V K K G N F Y A K V H G F E S A R
UniRef90_Q67RH1 A F E A L F T T Y R K F R N T I A A T Y A S S V K A D V F Y A R A R R Y P S A R
UniRef90_A5USQ7 A F V G Y Y S A F Q G I R N T L G A S L A A Q V R T H V L N A K V R N Y A S S L
UniRef90_A1HS44 A F T G L F N T Y K Q F R N T F A A T L G G S V K K N I F Y T R T R K Y N S T L
UniRef90_F4A138 A F E A L Y D T Y G K L K N T L S A T L S S N V K K D I F F S R V R K Y P S S L
UniRef90_W0EB20 A F E T L Y H T Y Q K Q I N T W A A T T N A N V K A D A F F A K V R K Y P S A I
UniRef90_UPI0003813775 A F K A V Y A T Y G K F K N T F A S T L S G Q I K K D N F S A H V R H Y G S A R
UniRef90_UPI00047C44CB A F D A L Y Q T Y S K H K N T L A A I Y S A S V K K D V F Y A R V R K Y D S A L
UniRef90_W8YQI4 A F K T M Y A T Y G K L K N T L A S T L S S N V T K N V F Y A K A R K Y P S V L
UniRef90_UPI00028913BF A F H A M Y E T Y G Q F L N T F A T T L T G N V K K H N V S A R I R Q Y D S A R
UniRef90_R3WA27 A F K G L Y G V Y K Q F K N T F A S T L S S H V K G H N F K A K T R K Y S S A R
UniRef90_S1R7E2 A F E G L Y K V Y Q Q F A R T F A S T L S T N V K R H N Y A A K V R H F E S A R
UniRef90_H3NFV6 A F K K M Y E V Y K G L N N T F A A T L Q S D V K K N N Y L A R V H H Y D S A R
UniRef90_D6TI17 A F E G L H N S F L K Q R N T I A A T L S S Q V K S D A F Y T R Q R N F E S T R
UniRef90_R9LCW9 A F K A V Y E T Y R K Q K N T I A A T L S A N V N K N M F Y S R V R K Y P S V L
UniRef90_R2NTZ5 A F K A L Y S V Y H Q F R N T F A S T L S T H I K G H N Y K A K I R G Y A S A R
UniRef90_UPI00047E0D7C A F K A M Y D T Y A K W K N T L A A T L N A N V T K N L F Y A K T R K Y P S A L
UniRef90_W2E900 A F Q A V Y E T Y R N Q R N T I A A T L S A N V N K N I F Y A R A R K Y P S V L
UniRef90_R2TGS4 A F K G L Y T V Y D Q F K N T F A Q T L S S H V K A H N Y K A K V R N Y S S A R
UniRef90_R6LK21 A F E N Y Y A A Y E S F R N T C A A T L D A N V K Q L Q F F A D A R K Y A S P L
UniRef90_C0D4J9 A F L G L Y S V Y R Q F R N T L A A A F S A N V K Q A V F Y A K A R N Y A S S R
UniRef90_F4FSV3 A F E K L Y Q V Y R Q F Q H T L A A T L T T N V K N H N F K A N I R H Y N N A L
UniRef90_U5S7Y6 A F K N L Y K V Y D G L Q N T F S S T L S S H V K Y H N Y N A K V H H Y D S A R
UniRef90_C5EGA0 A F E G L Y S V Y A Q Y S N T L A A A F S T N I K Q A V F Y A R A K K Y E S S R
UniRef90_R6EQ63 A F T N M Y E A Y K K L N N T L A T N Y N Y N A K T D V V S A R I R K Y D S A A
UniRef90_Q5FIA0 A F D T L Y A S Y G Q F Q N S L A S T L S G V V K K H N Y N A K V H K Y D S A R
UniRef90_G2SWP8 A F E A F Y S I Y K Q F A G T I A G L Y N G Q V K Q Q I F Y A K A R N Y A S T L
UniRef90_D9SSU9 A F R S L F K T Y G E F R N T I A T S L V S S I K T W N F N A K I R S Y S N A I
UniRef90_E6UDH3 A F A S I Y K G Y G N F R N T C A A T L D S Q M K A L E F Y T K A R N Y N S A L
UniRef90_T0IJX5 A F T G L F S S Y N T L R N S F A A T L T G N V K K N I F Y A R T R K Y A S T I
UniRef90_C8W843 A F K Q L Y S R F G E F R N T S A A I L T S Q V K N L Q F F S S S R K Y A S S L
UniRef90_I9L021 A F E A L Y R V Y G Q F R R T L A S T L A S Q V K V H N F V A Q A H H Y P D A R
UniRef90_UPI00036FAA9F A F E A V Y G T Y R G Q R N T I A A T L N A N V T K N L F Y A R A R K Y P S T L
UniRef90_UPI000219707A T F K A F Y S T F D Q F Q N T L A S T L S S E V A V H N F E A Q T R K Y N S A R
UniRef90_UPI00047A2680 A F T T L F N T Y G K Y K N T F A E A L S S S V K N F V F Q S K V R K Y N N S M
UniRef90_R9BV97 A F K T L F K E Y K N L E N T F S T T L T S S L K N F N F G A K V R K Y N S A L
UniRef90_R6PZN5 A F Q T L Y A A Y L K Q K N T L A A T Y A S S V K S D V F F A S A R K Y D S A R
UniRef90_R6WFR5 A F E A V Y H T Y G Q Y K N S L A A M L D A Q V K Q L T F A R K A R K F D S N L
UniRef90_R9BYY3 A F K A V Y D T Y G K F K N T F A S T L S G E I K N H T F N A K I R N Y D S P R
UniRef90_UPI00037998B5 A Y E N L Y T K Y G A F K N T L S Q T L T G A V D T H N F S A R V R G Y N S A R
UniRef90_D4M7P1 A F E G I Y G T Y G S F K N A L A A L Y A G S V K G D L F Y A R A R R Y K D S L
UniRef90_B1BAT4 A F E A L F N T Y Y H F K N T I A T S L T A S I K N F S F L A K K R N Y S S S I
UniRef90_UPI00035D01D7 A F F Q Y Y K A Y E E H A N T M S A S L S A S V L E D V F H A R A R K Y N S V L
UniRef90_S2ZT97 A F K Q L Y G R Y N Q F R N T S A A M L T S Q V K Q L K F F A D S R K Y E S S L
UniRef90_S4ZSV8 A F E A L L R A Y E S L K N T F A Q T L S G Q V K A H N F N A T A H H Y K N A R
UniRef90_A5Z991 A F K A L Y G T Y G K M K N T I A A T Y N A N V E Q A C F Y A D V R N Y P S T R
UniRef90_W4QQI0 A Y K A Y Y Q P Y V Q L T N T I A S T L S A S I K T N V T L S K M R N Y P S A L
UniRef90_E3BU93 A F D T M F A T Y G Q F E N S L A S T L S G V V K A H N Y N A K M H K Y H S A R
UniRef90_UPI0002D2B12B A F T Q Y Y R E Y E D H A N T F A A T L A G S V K Q D V Y H A R V R N Y P S A R
UniRef90_E0S147 S F E A F Y G K Y E E F K N T W A A M Y D G E V K G R I F E A K A R K Y N S A F
UniRef90_E8SEM5 A Y E N M Y K A Y G S Y N N T L A A T L A G E V K K H V F N A R S H N Y K S A R
UniRef90_D3FSR9 A Y H A Y Y K P Y V E L N N T I A S T L S S A I K T N V T V S K M K N Y P S A L
UniRef90_F2JN74 A F T A L Y N T Y T S Y K N T I S T L F A A N I K Q Y G F F S S M R H F E T P L
UniRef90_E3DS05 A F K A M H G E Y K N S E N T F A A V L D S S V K G D V F Y A R S R K Y K S S L
UniRef90_A0A037Z273 A F K A L F N T Y N K Y K N T F A I S L T S S I K N F I F N S K I R K F N S S L
UniRef90_M7EII2 A Y E A Y Y S T Y Q Q F Q H T Y A K T L A T T V K Q H N F S A K V R H Y D S A R
UniRef90_M5RU08 A F H Q Y Y E Q F S S H E N T L A A T L G G S I Q R D V Y Y A R A K N Y D S S L
UniRef90_UPI000364A338 A F K N L F N T Y S S F R N T L A T T Y S A N I N S T M F Q A K T R K Y Q S T L
UniRef90_K1LV49 N F K A Y Y S V Y D Q F K N T F A S L I T G Q M K L H N Y Q A K V R H F D S A R
UniRef90_UPI00036B0D45 A Y E A M Y S T Y E Q F Q H T Y A K T L Q S N V K V N N L Q A R L R K Y N S A R
UniRef90_F6B8C9 A Y N E L Y R V Y R S F K N T I G Q T Y I N S V K K D C L Y A R L R K Y N S A L
UniRef90_D8MGY5 A F E T L Y D S Y I G L Q N T F A S T L S S H I K G H N F L A K V R H Y N S A R
UniRef90_I8AKX3 A Y K A Y Y K P Y T E M K N T I A S T L A A A I K N N V A M A D I R H Y P S A L
UniRef90_K6DX70 A Y K A Y Y Q P Y V Q L K N S I A S T L S A A I K N N V T I A K I R H Y P S A L
UniRef90_M1VLE8 A F T T L H G K Y R S F E N T L A E L L S G A V E T H V F H A K A R R Y R S A L
UniRef90_U1WY95 A F E A Y Y K T L E G F R D T F A Q T L A G K V K A N N T Y A K A R K Y P N A L
UniRef90_B1QXD4 A F E K L F G E Y D K F K N T L A T S L T C S I K N F N F M S R V R K Y E S A L
UniRef90_D2RPS7 V H E E Y Y D E W S A M R N T V A S A Y K N S V K A D V K T A R A R N Y D T A R
UniRef90_E0E3C6 A F E A E F G T Y K K Y S N T M A S T L F G G I K A E I F N S S I R K Y P S A L
UniRef90_Q53778 A Y Q A M Y S T Y E Q F Q H T Y A K T L Q T N V K S Q N F K A R V H H Y Q S A R
UniRef90_M0H7R0 V H E E F Y D R W A D V R N S V G A S L K N S V K K D V K T A R I R N Y E T A R
UniRef90_Q67LM6 A F D S F T R G L K A Y Q N T L A A T F A T E V K K N I V L S R L R G Y E S V T
UniRef90_S5ZZB5 A Y K Q L Y G V Y N N K N T I A S L Y T G Q V Q Q N V A L S K I R G Y N S A R
UniRef90_B9L544 A Y Q V F H A P Y I A H R H T L A A L L S A A N Q R D T F Y A R A R R Y E S A L
UniRef90_K0NZJ3 A F E A L Y S S Y E Q F E S T F A S T L A G N V K A D N Y R A L V H D Y P N A L
UniRef90_H9UI73 A Y E R F Y T Q F E G H R N T L A S L Y N G S V Q L D V Y K A K A R G F E S A R
UniRef90_M0D2M5 V Y E T F Y D E W E T Y R N S I A A A Y K N S V K T D V K L A R A R N Y D T A R
UniRef90_D3QZU0 A F K S L H T S Y K N D I N T F A A T L G S I V K L H N L D A K L R G F G S A R
UniRef90_M1XNA0 S Y E A F Y D E W D E Y R N S V A T A Y K N S V K A D R K L A D A R H Y D S A R
UniRef90_G1Y2D2 V F D A F W T K F G Q Y A N T M G S T L G N T V Q G D V I Q S K L R H Y P S A V
UniRef90_UPI000365A11E A F N T F S E T L Y K Y R N T F A E A Y G T E V K R Q V I E S G L R G Y D F V T
UniRef90_D7GTZ8 A F H S L Y A S Y R Q F A N T V A A N Y E G N V K Q G N F Y A R M R K Y P S A R
UniRef90_UPI000473F41F A F Q A Y Y K P Y M H L Q H T I A S T L S S A I K N T K T T S E I R Q Y P S T L

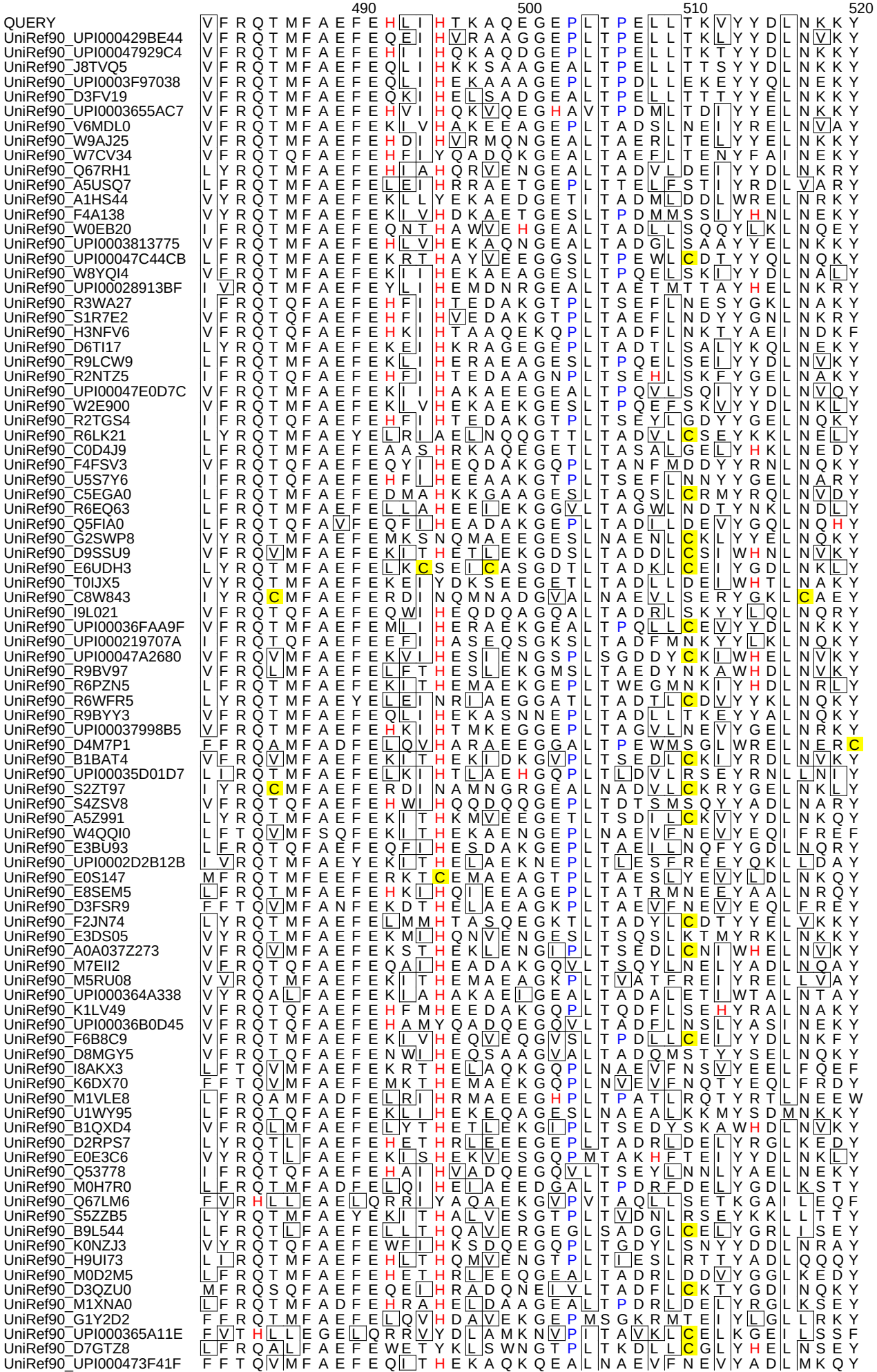

290
300
310
320
QUERY
UniRef90_UPI000429BE44
UniRef90_UPI00047929C4
UniRef90_J8TVQ5
UniRef90_UPI0003F97038
UniRef90_D3FV19
UniRef90_UPI0003655AC7
UniRef90_V6MDL0
UniRef90_W9AJ25
UniRef90_W7CV34
UniRef90_Q67RH1
UniRef90_A5USQ7
UniRef90_A1HS44
UniRef90_F4A138
UniRef90_W0EB20
UniRef90_UPI0003813775
UniRef90_UPI00047C44CB
UniRef90_W8YQI4
UniRef90_UPI00028913BF
UniRef90_R3WA27
UniRef90_S1R7E2
UniRef90_H3NFV6
UniRef90_D6TI17
UniRef90_R9LCW9
UniRef90_R2NTZ5
UniRef90_UPI00047E0D7C
UniRef90_W2E900
UniRef90_R2TGS4
UniRef90_R6LK21
UniRef90_C0D4J9
UniRef90_F4FSV3
UniRef90_U5S7Y6
UniRef90_C5EGA0
UniRef90_R6EQ63
UniRef90_Q5FIA0
UniRef90_G2SWP8
UniRef90_D9SSU9
UniRef90_E6UDH3
UniRef90_T0IJX5
UniRef90_C8W843
UniRef90_I9L021
UniRef90_UPI00036FAA9F
UniRef90_UPI000219707A
UniRef90_UPI00047A2680
UniRef90_R9BV97
UniRef90_R6PZN5
UniRef90_R6WFR5
UniRef90_R9BYY3
UniRef90_UPI00037998B5
UniRef90_D4M7P1
UniRef90_B1BAT4
UniRef90_UPI00035D01D7
UniRef90_S2ZT97
UniRef90_S4ZSV8
UniRef90_A5Z991
UniRef90_W4QQI0
UniRef90_E3BU93
UniRef90_UPI0002D2B12B
UniRef90_E0S147
UniRef90_E8SEM5
UniRef90_D3FSR9
UniRef90_F2JN74
UniRef90_E3DS05
UniRef90_A0A037Z273
UniRef90_M7EII2
UniRef90_M5RU08
UniRef90_UPI000364A338
UniRef90_K1LV49
UniRef90_UPI00036B0D45
UniRef90_F6B8C9
UniRef90_D8MGY5
UniRef90_I8AKX3
UniRef90_K6DX70
UniRef90_M1VLE8
UniRef90_U1WY95
UniRef90_B1QXD4
UniRef90_D2RPS7
UniRef90_E0E3C6
UniRef90_Q53778
UniRef90_M0H7R0
UniRef90_Q67LM6
UniRef90_S5ZZB5
UniRef90_B9L544
UniRef90_K0NZJ3
UniRef90_H9UI73
UniRef90_M0D2M5
UniRef90_D3QZU0
UniRef90_M1XNA0
UniRef90_G1Y2D2
UniRef90_UPI000365A11E
UniRef90_D7GTZ8
UniRef90_UPI000473F41F

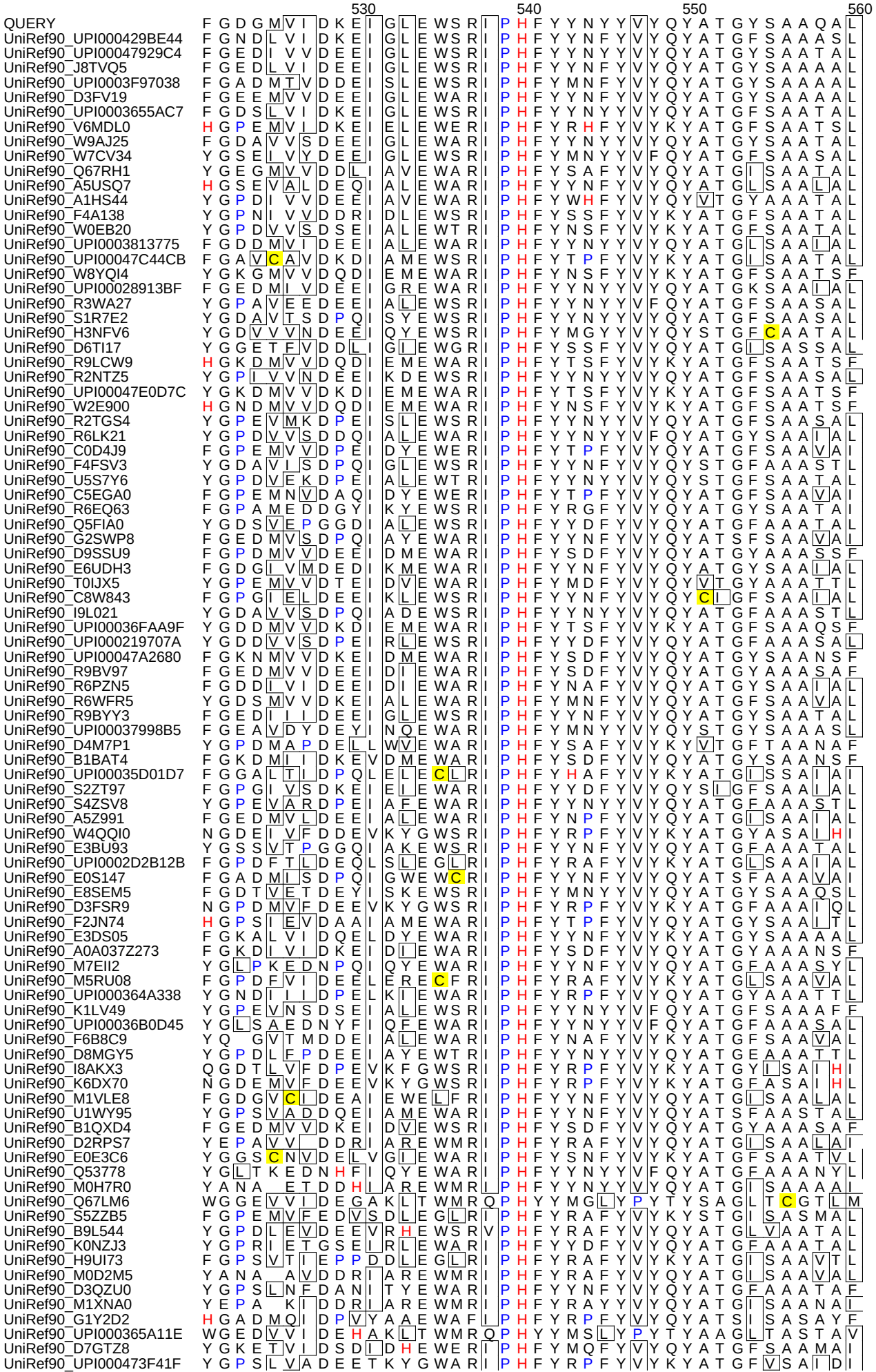

330
340
350
360
QUERY
UniRef90_UPI000429BE44
UniRef90_UPI00047929C4
UniRef90_J8TVQ5
UniRef90_UPI0003F97038
UniRef90_D3FV19
UniRef90_UPI0003655AC7
UniRef90_V6MDL0
UniRef90_W9AJ25
UniRef90_W7CV34
UniRef90_Q67RH1
UniRef90_A5USQ7
UniRef90_A1HS44
UniRef90_F4A138
UniRef90_W0EB20
UniRef90_UPI0003813775
UniRef90_UPI00047C44CB
UniRef90_W8YQI4
UniRef90_UPI00028913BF
UniRef90_R3WA27
UniRef90_S1R7E2
UniRef90_H3NFV6
UniRef90_D6TI17
UniRef90_R9LCW9
UniRef90_R2NTZ5
UniRef90_UPI00047E0D7C
UniRef90_W2E900
UniRef90_R2TGS4
UniRef90_R6LK21
UniRef90_C0D4J9
UniRef90_F4FSV3
UniRef90_U5S7Y6
UniRef90_C5EGA0
UniRef90_R6EQ63
UniRef90_Q5FIA0
UniRef90_G2SWP8
UniRef90_D9SSU9
UniRef90_E6UDH3
UniRef90_T0IJX5
UniRef90_C8W843
UniRef90_I9L021
UniRef90_UPI00036FAA9F
UniRef90_UPI000219707A
UniRef90_UPI00047A2680
UniRef90_R9BV97
UniRef90_R6PZN5
UniRef90_R6WFR5
UniRef90_R9BYY3
UniRef90_UPI00037998B5
UniRef90_D4M7P1
UniRef90_B1BAT4
UniRef90_UPI00035D01D7
UniRef90_S2ZT97
UniRef90_S4ZSV8
UniRef90_A5Z991
UniRef90_W4QQI0
UniRef90_E3BU93
UniRef90_UPI0002D2B12B
UniRef90_E0S147
UniRef90_E8SEM5
UniRef90_D3FSR9
UniRef90_F2JN74
UniRef90_E3DS05
UniRef90_A0A037Z273
UniRef90_M7EII2
UniRef90_M5RU08
UniRef90_UPI000364A338
UniRef90_K1LV49
UniRef90_UPI00036B0D45
UniRef90_F6B8C9
UniRef90_D8MGY5
UniRef90_I8AKX3
UniRef90_K6DX70
UniRef90_M1VLE8
UniRef90_U1WY95
UniRef90_B1QXD4
UniRef90_D2RPS7
UniRef90_E0E3C6
UniRef90_Q53778
UniRef90_M0H7R0
UniRef90_Q67LM6
UniRef90_S5ZZB5
UniRef90_B9L544
UniRef90_K0NZJ3
UniRef90_H9UI73
UniRef90_M0D2M5
UniRef90_D3QZU0
UniRef90_M1XNA0
UniRef90_G1Y2D2
UniRef90_UPI000365A11E
UniRef90_D7GTZ8
UniRef90_UPI000473F41F

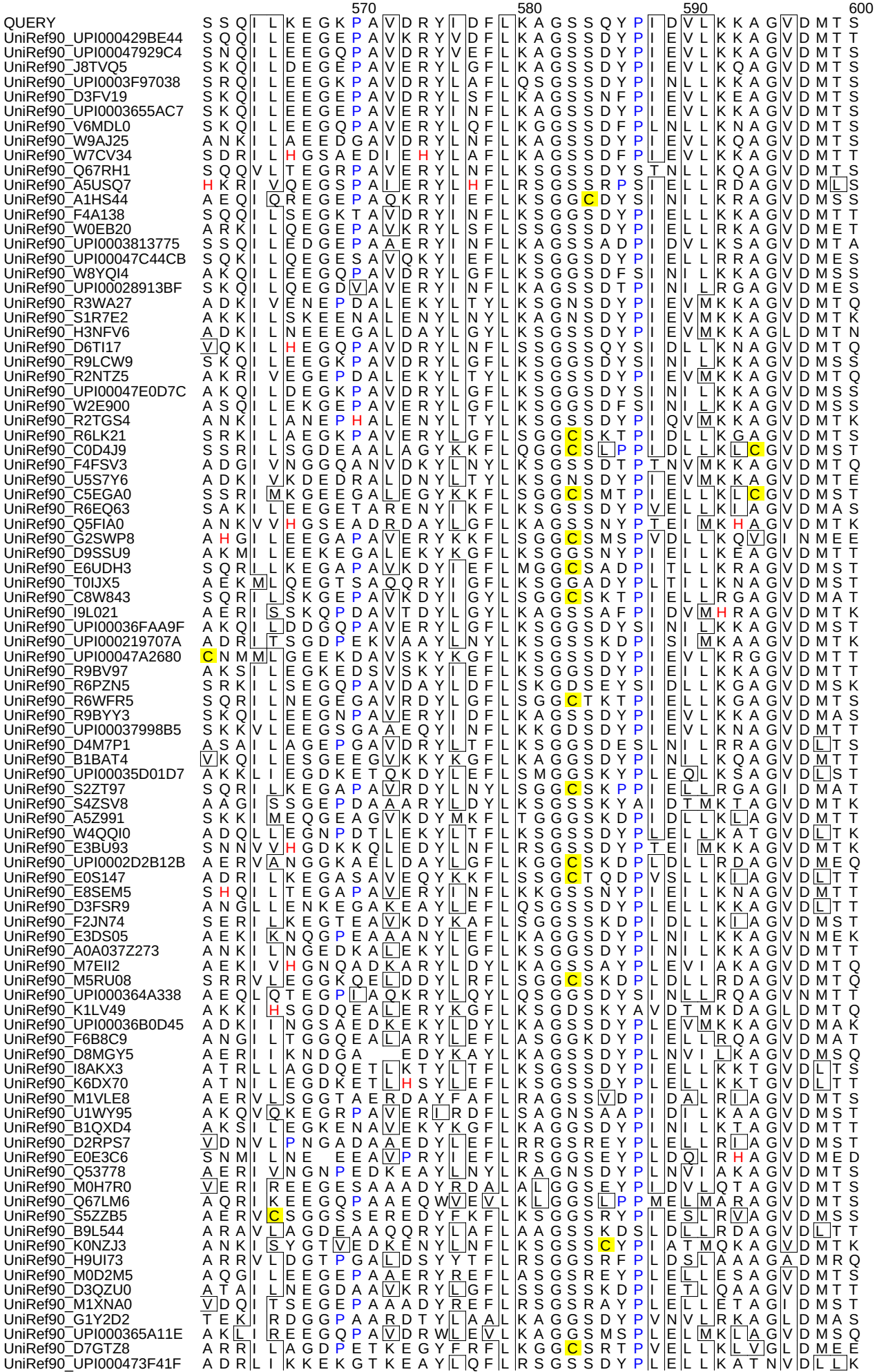

370
380
390
400
QUERY Y A S I L K E G L E N R W V D V Y E N K G K R N G A Y S S G A Y G T N P Y I L M
UniRef90_UPI000429BE44 Y V N I L K E G Y E K R W I D V H E N A G K R S G A Y S S G A Y G T M P Y I L M
UniRef90_UPI00047929C4 Y I S I L E E G F E N R W V D V H E N K G K R S G A Y S S G T Y G T N P Y I L M
UniRef90_J8TVQ5 Y V Q T L K E G F E K R W V D V E E N V G K R S G A Y S S G A Y G T M P Y I L M
UniRef90_UPI0003F97038 Y V H T V A E G F K S R W I D V Y E N E G K R S G A Y S S G A Y G T K P Y I L M
UniRef90_D3FV19 Y V N V L K E G F T K R W V D V E E T V G K R S G A Y S S G A Y G T M P Y I L M
UniRef90_UPI0003655AC7 Y V E I L K E A Y E N R W V D V Y E N K G K R S G A Y S S G A Y G T N P Y V L M
UniRef90_V6MDL0 Y G K V L E E G F T G G W I D V H E N E G K T S G A Y S W G A Y T T H P F V L M
UniRef90_W9AJ25 Y L N I V K E G Y E N R W I D V E E N K G K R S G A Y S S G A Y G T N P Y I L L
UniRef90_W7CV34 Y Q G I L K E A F E S R W I D V V E N K G K R S G A Y S S G A Y S T S P Y I L M
UniRef90_Q67RH1 Y C E I A R R M T V D R W V D I Y E N E G K R S G A Y S F G S Y T T K P Y I L M
UniRef90_A5USQ7 Y G A A V A Q A F R S R W I D V Y E N I G K R S G A Y S D G S Y T T A P F M L L
UniRef90_A1HS44 Y S E I L N K G L T S G W I D V Y E N Q G K Q T G A Y S W G T Y G V H P F V L L
UniRef90_F4A138 Y I S L L E H G F K N G W I D A Y E N Q G K T S G A Y S W G C Y G V H P F V L L
UniRef90_W0EB20 Y L K I L N E G F D S H W V D I Y E N Q G K T S G A Y S W G T Y R S H P Y V L L
UniRef90_UPI0003813775 Y N G I L A Q G L E G R W V D V V E N K G K R S G A Y S S G A Y G T N P Y I L M
UniRef90_UPI00047C44CB Y Q R I A N E G M K S G W V D V Y E T K G K T S G A Y S W G A Y G V H P Y I L L
UniRef90_W8YQI4 Y G K A L R E G Y S N S W I D V Y E N E G K R S G A Y S W G A Y G T H P Y V L L
UniRef90_UPI00028913BF Y T A I L N E A L E N R W V D V V E N K G K R S G A Y S S G T Y G T N P Y I L M
UniRef90_R3WA27 Y M A V V E E A F E N R W I D V V E N K G K R S G A Y S S G A Y D T L P Y I L M
UniRef90_S1R7E2 Y L A V V K E A F E N R W I D V V E N K G K R S G A Y S S G C Y D T N P Y I L L
UniRef90_H3NFV6 Y K A I L D K A F N E R W I D V V E N K G K R S G A Y S S G M Y D T N P F I L L
UniRef90_D6TI17 Y I S A L K K G L S E R W I D V Y E T P G K R S G A Y S G G S Y S T N P F I L L
UniRef90_R9LCW9 Y L K V L R E G F E N R W I D V Y E N E G K R T G A Y S W G A Y G T H P Y V L L
UniRef90_R2NTZ5 Y L E V V K K A F D E R W I D V V E N Q G K R S G A Y S S G A Y D T Q P Y I L L
UniRef90_UPI00047E0D7C Y R K V L Q E G Y D N G W I D V Y E N E G K R S G A Y S W G A Y G T H P Y V L L
UniRef90_W2E900 Y I D I L K E G F E N R W I D V H E N K N K R S G A Y S W G A Y G T H P Y V L L
UniRef90_R2TGS4 Y L N V V K T A F N D R W I D V I E N Q G K R S G A Y S S G A Y D T V P Y I L M
UniRef90_R6LK21 Y C K V L K E G F D N R W I D V Y E N V G K R S G A Y S A G S P V H P Y V L L
UniRef90_C0D4J9 Y G K I L R E G F E N R W V D V Y E N E G K R S G A Y S W G V Y G S H P Y V L L
UniRef90_F4FSV3 Y V S H V K E E F N N R W I D V V E N Q F K R S G G Y S S G T Y D T N P Y I L L
UniRef90_U5S7Y6 Y L S V L K K A F N N R W I D V M E N E G K R S G A Y S S G A Y E T N P Y I L L
UniRef90_C5EGA0 Y L S I L Q E G F D S R W I D V Y E N E G K R S G A Y S W G T Y G S H P Y V L L
UniRef90_R6EQ63 Y I R Q V R R G I E S G W V D V Y E N Q G K T S G A Y S F G A Y D S M P Y I L L
UniRef90_Q5FIA0 Y L K H V D Y I F N N R V I D V V E S K N K V T G A Y S G G A Y D T D P Y E L L
UniRef90_G2SWP8 Y V A T V K E G F E N R W I D V Y E N E G K R S G A Y S A G A F G T H P Y V L L
UniRef90_D9SSU9 Y L S I F N S G I E N S W I D I Y P N E G K R S G A Y S W G C Y D T M P Y V L L
UniRef90_E6UDH3 Y I A I L K E G F E N R W I D V Y E N E N K A S G A Y S A G A R V H P F V M L
UniRef90_T0IJX5 Y T A L L N K G L A S G W I D V Y E N K G K Q T G A Y S W G V Y G V H P F V L L
UniRef90_C8W843 Y V G L V K K G L E S R W V D V Y E T P G K R S G A Y S A G G K G M N P V M L L
UniRef90_I9L021 Y L K H V K T A F G S R W I D V V E N Q G K R S G A Y S S G M Y D T A P Y M L L
UniRef90_UPI00036FAA9F Y L E A L Q E G F N N G W I D V Y E N E G K R T G A Y S W G A Y G T H P Y V L L
UniRef90_UPI000219707A Y L Q H V K E E F N N R W I D V V E N K G K R T G A Y S S G M Y D T N P F V L L
UniRef90_UPI00047A2680 Y L K I F Q E G I D N G W V D V F E N K G K R G G A Y S S G C Y D T M P Y V L L
UniRef90_R9BV97 Y L N I F K N G V E N R G W I D I Y Q N K G K R G G A Y S W G G Y K T M P Y V L L
UniRef90_R6PZN5 Y T D T L H Y G M N A G W I D V Y E N E G K R S G A Y S W G S Y G V H P Y V L L
UniRef90_R6WFR5 Y L A A L D E G F S N R W I D V Y E N E G K R G G A Y S M G A K P H P F V L L
UniRef90_R9BYY3 Y A S I L K E G F E N R W V D V H E N K G K R S G A Y S S G A Y G T N P Y I L M
UniRef90_UPI00037998B5 Y V N I I K E G L Q N R W V D V Y E N K G K R S G A F S S G T Y G T N P F I L M
UniRef90_D4M7P1 Y V A N F K R G L A E R W I D V Y E N R G K R K G A Y S W G S Y A T H P Y V L L
UniRef90_B1BAT4 Y L N I F N E G I K N R W I D I Y E N K G K R K G A Y S W G T Y D T M P Y V L L
UniRef90_UPI00035D01D7 Y T Q T L E E G L K K R W V D R Y E N K G K R S G A F S W G C Y R C P P Y I L M
UniRef90_S2ZT97 Y L Q L V K K G L S E R W V D V F E T P G K R S G A Y S A G G K G M N P V I L M
UniRef90_S4ZSV8 Y L E H V R E I F D N R Y I D V V E N K G K R S G A Y S G G A Y D T N P F I L L
UniRef90_A5Z991 Y I N K L Q E G F D N R W I D I Y E N E G K R S G A Y S W G A Y G I H P Y V L L
UniRef90_W4QQI0 Y V E T L R S F K E K R Y F D V R E T P G K R S G A Y N L G L Y G V H P F V L L
UniRef90_E3BU93 Y L K V V K H I F N D R V I D V V E T K N K A T G A Y S G G S Y D T D P Y I L L
UniRef90_UPI0002D2B12B Y V D A L V K G L R G R W C D R Y E N K G K H S G A F S S G C Y D S E P Y I L M
UniRef90_E0S147 Y L D V V K E A Y E N R W I D V V E N E G K R G G A Y S S G V Y N V H P Y M L L
UniRef90_E8SEM5 Y L N V I K E G L N N R W V D V Y E N K G K R S G A Y S S G S H K T N P F I L L
UniRef90_D3FSR9 Y V E T L A E F K D K R Y I D V R E T P G K R S G A Y N M G L Y G V H P F V L L
UniRef90_F2JN74 Y L A I V K E A L D N R W I D K Y E N E G K R S G A Y S W G S Y G P H P Y I L L
UniRef90_E3DS05 Y V E T V E S G F N S G W I D V Y E N K G K R S G A Y S S G C Y G V H P Y I L M
UniRef90_A0A037Z273 Y L S I F R E G I E N G W I D I F E N R G K R G G A Y S S G S Y D T M P Y I L L
UniRef90_M7EII2 Y Q A R V E E A L S Q G W I D V A A N K G K R S G A Y S G G S Y D T K A F I L L
UniRef90_M5RU08 Y V G V L E A G L R G R W S D R Y P N R G K Q S G A F S C G T F D G D P Y I L M
UniRef90_UPI000364A338 Y I K D L L N G V N N G W I D I Y E N Q G K R N G A Y S W G V Y G L H P F V L L
UniRef90_K1LV49 Y V A I I E E A F R D R W I D L Y E N I G K R S G A Y S S G S Y D S K A Y I L M
UniRef90_UPI00036B0D45 Y S Q K V K R A F S E R W I D V H E N E G K R S G A Y S G G S Y D T N A F M L L
UniRef90_F6B8C9 Y I S D L K Q G L A G G W V D V Y E T P G K T S G A Y S T G A Y G Y H P Y I L L
UniRef90_D8MGY5 Y L E I V K K A F D E R W I D V V E N K G K R S G A Y S S G T Y D T N P F I L L
UniRef90_I8AKX3 Y Q E T L R S F K D K R Y I D V R E T P G K R S G A Y N L G V H G V H P F V L L
UniRef90_K6DX70 Y V G I L K E F K D A R Y I D V R E T P G K R S G A Y N L G V Y G V H P F I L L
UniRef90_M1VLE8 Y L R V A S A G L E R R W V D R Y E N K G K R S G A Y S S G C Y D S E P Y I L H
UniRef90_U1WY95 Y S K T L E E A F K N G W I D V Y A T E D K R S G A Y Q S G A Y D T H P Y V L L
UniRef90_B1QXD4 Y L N I F K S G I N D G W I D I Y E N K G K R G G A Y S W G G Y D T M P Y V L L
UniRef90_D2RPS7 Y Q S R V A E G L E S R W V D V Y E N E G K Q A G A Y S G G T Y D T Q P F I L M
UniRef90_E0E3C6 Y V T L I K R A F D E K W I D V Y E N E G K R G G A Y S W G S Y D S H P Y I L M
UniRef90_Q53778 Y S E R V H R A F T E R W I D V H V N K G K R S G A Y S G G S Y D T N A F M L L
UniRef90_M0H7R0 Y Q S R M A E G L E D R W V D V Y E N R G K R A G A F S A G T Y D T Q P F I M M
UniRef90_Q67LM6 Y R A I I E R A F N E R W I D W A D N V G K Q A G A F C T S P Y G A H S Y I L L
UniRef90_S5ZZB5 Y V K T I R N G L L N G W V D K Y E N E G K R S G A F S A G G Y D G D P Y I L M
UniRef90_B9L544 Y I E P L Q Q G L A S R W V D V H E T V G K R S G G Y S L G V Y G V H P Y I L L
UniRef90_K0NZJ3 Y L R H L D Y L F N N R V I D Y V P N M H K Q G G A Y S G G S Y D T D A Y E L L
UniRef90_H9UI73 Y V T T L T D G L L N G W V D R Y E N K G K R S G A F S A G S Y H G D P Y I L M
UniRef90_M0D2M5 Y Q E W L A E G L D S R W V D V Y E T D N K Q S G A Y S G G T Y D S Q P F I L M
UniRef90_D3QZU0 Y T S R L K K A F T D K W I D W V D N K G K R S G A Y S S G C Y G T N P F I L L
UniRef90_M1XNA0 Y R D R M A E G L E S R W V D V Y E T A N K Q S G A Y S S G G T Y D S Q P Y I L L
UniRef90_G1Y2D2 Y Q K A L A D G F A H R W M H A Y P Q E G K Q S G A Y Q T G V Y G L H P V V F L
UniRef90_UPI000365A11E Y G E I V S D A F K N R W V D Y A D N A G K R T G A F C M S I P G V H S Y I L I
UniRef90_D7GTZ8 Y L N L L R T G F E N R W I D V Y E N E G K R S G A Y S N S A Y G V H P Y V L M
UniRef90_UPI000473F41F Y V N T L K S F K E K R Y I D V R E T P G K R S G A Y N L G L Y G V H P F V L L

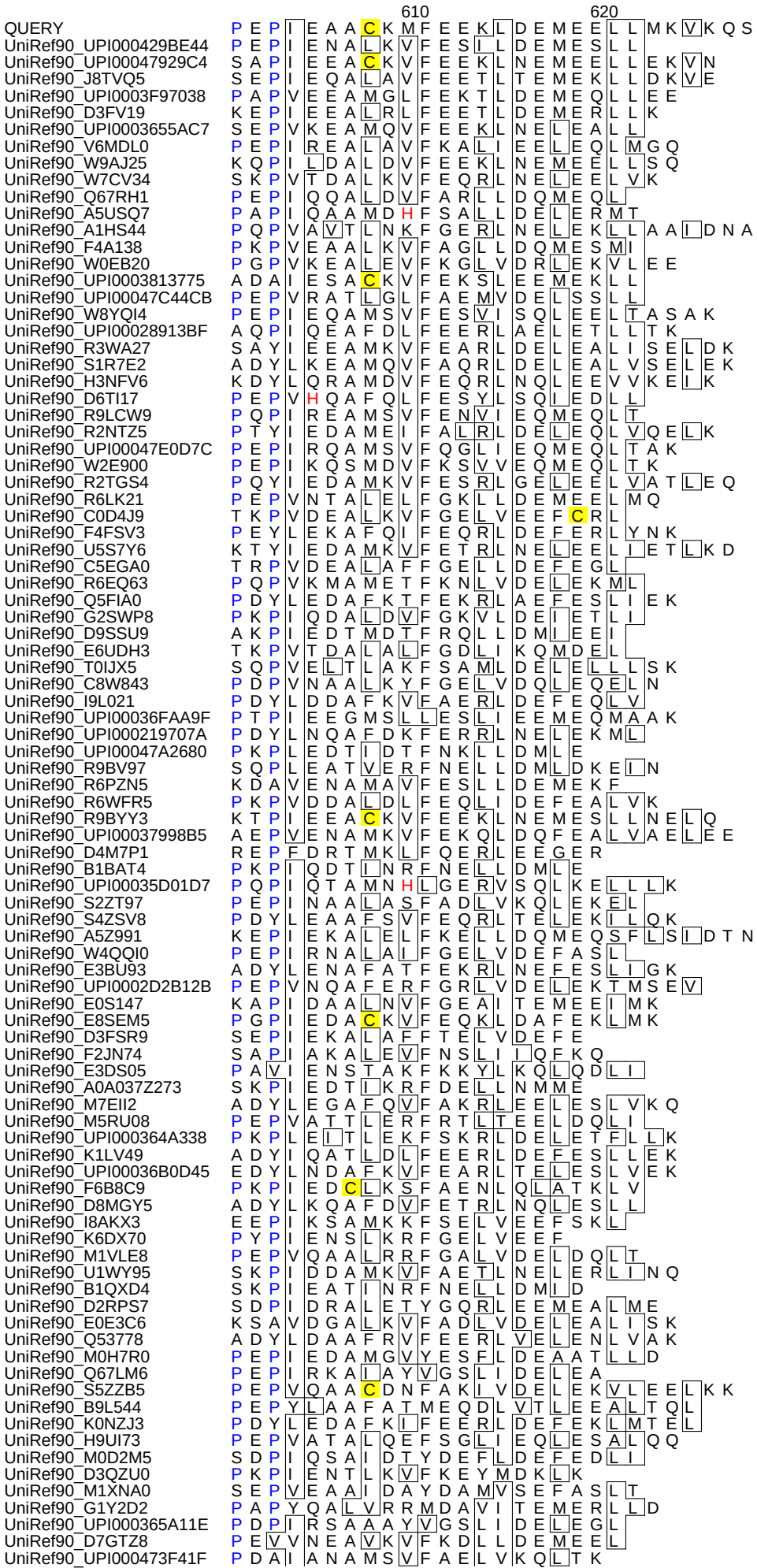

410
420
430
440
QUERY
UniRef90_UPI000429BE44
UniRef90_UPI00047929C4
UniRef90_J8TVQ5
UniRef90_UPI0003F97038
UniRef90_D3FV19
UniRef90_UPI0003655AC7
UniRef90_V6MDL0
UniRef90_W9AJ25
UniRef90_W7CV34
UniRef90_Q67RH1
UniRef90_A5USQ7
UniRef90_A1HS44
UniRef90_F4A138
UniRef90_W0EB20
UniRef90_UPI0003813775
UniRef90_UPI00047C44CB
UniRef90_W8YQI4
UniRef90_UPI00028913BF
UniRef90_R3WA27
UniRef90_S1R7E2
UniRef90_H3NFV6
UniRef90_D6TI17
UniRef90_R9LCW9
UniRef90_R2NTZ5
UniRef90_UPI00047E0D7C
UniRef90_W2E900
UniRef90_R2TGS4
UniRef90_R6LK21
UniRef90_C0D4J9
UniRef90_F4FSV3
UniRef90_U5S7Y6
UniRef90_C5EGA0
UniRef90_R6EQ63
UniRef90_Q5FIA0
UniRef90_G2SWP8
UniRef90_D9SSU9
UniRef90_E6UDH3
UniRef90_T0IJX5
UniRef90_C8W843
UniRef90_I9L021
UniRef90_UPI00036FAA9F
UniRef90_UPI000219707A
UniRef90_UPI00047A2680
UniRef90_R9BV97
UniRef90_R6PZN5
UniRef90_R6WFR5
UniRef90_R9BYY3
UniRef90_UPI00037998B5
UniRef90_D4M7P1
UniRef90_B1BAT4
UniRef90_UPI00035D01D7
UniRef90_S2ZT97
UniRef90_S4ZSV8
UniRef90_A5Z991
UniRef90_W4QQI0
UniRef90_E3BU93
UniRef90_UPI0002D2B12B
UniRef90_E0S147
UniRef90_E8SEM5
UniRef90_D3FSR9
UniRef90_F2JN74
UniRef90_E3DS05
UniRef90_A0A037Z273
UniRef90_M7EII2
UniRef90_M5RU08
UniRef90_UPI000364A338
UniRef90_K1LV49
UniRef90_UPI00036B0D45
UniRef90_F6B8C9
UniRef90_D8MGY5
UniRef90_I8AKX3
UniRef90_K6DX70
UniRef90_M1VLE8
UniRef90_U1WY95
UniRef90_B1QXD4
UniRef90_D2RPS7
UniRef90_E0E3C6
UniRef90_Q53778
UniRef90_M0H7R0
UniRef90_Q67LM6
UniRef90_S5ZZB5
UniRef90_B9L544
UniRef90_K0NZJ3
UniRef90_H9UI73
UniRef90_M0D2M5
UniRef90_D3QZU0
UniRef90_M1XNA0
UniRef90_G1Y2D2
UniRef90_UPI000365A11E
UniRef90_D7GTZ8
UniRef90_UPI000473F41F

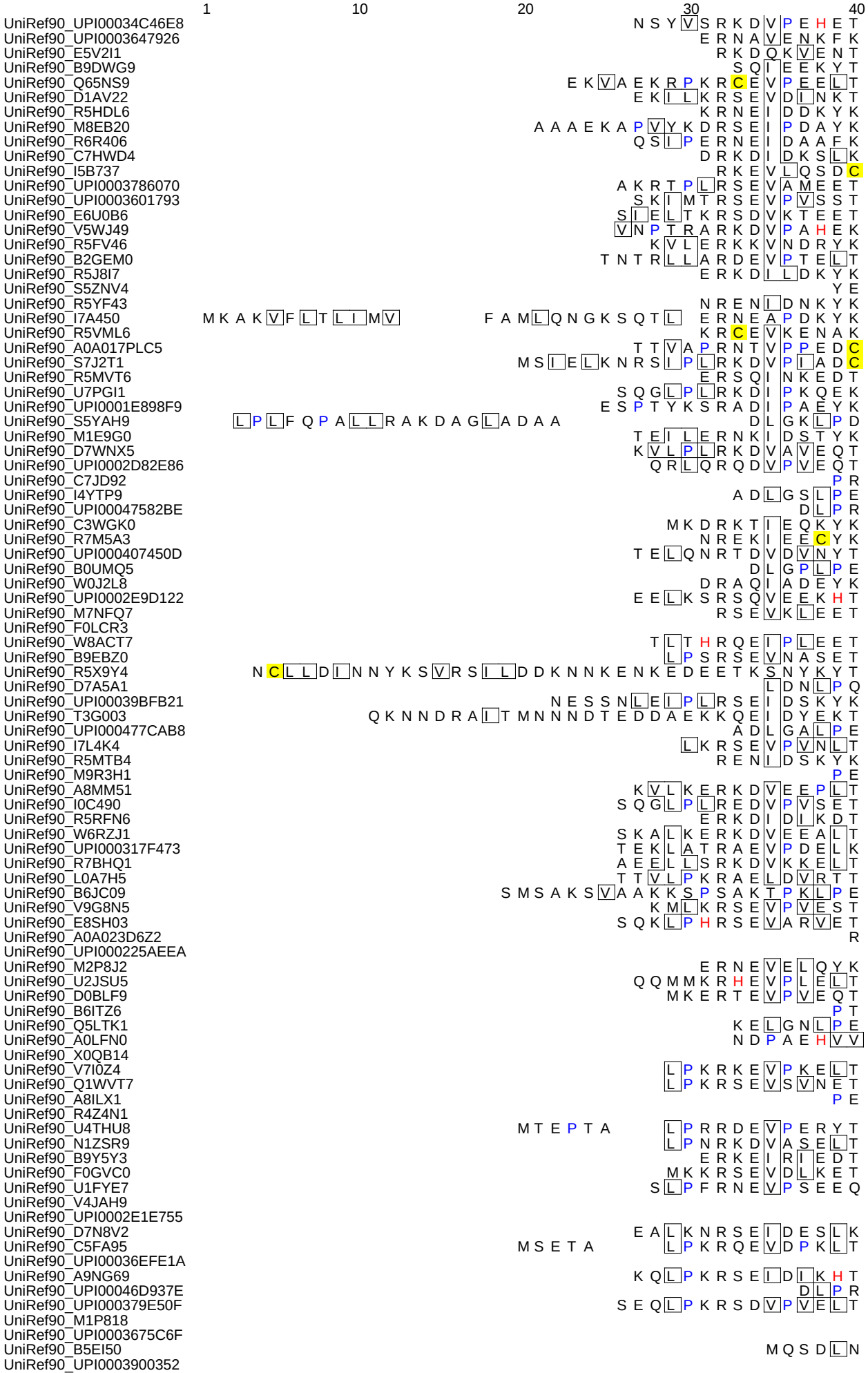

450
460
470
480
QUERY A E V A S T T N E A L L G E Y L L N N L E D E K Q R L Y I L N H M L E G F R G T
UniRef90_UPI000429BE44 A E V A S T C N E A L L N H Y M L Q K T E D K K E K L Y L L N H Y L E G F R G T
UniRef90_UPI00047929C4 A E V A S T C N E A L L N H Y L L N T I D D E K R L Y L L N H F L E G F R G T
UniRef90_J8TVQ5 A E V A S T L N E A L L N D Y L V K N T D D E K K K L Y L L N H F L E G F R G T
UniRef90_UPI0003F97038 A E V A S T V N E S L L N D Y M L K T T E D K K Q R M Y L L N N F L E G F R G T
UniRef90_D3FV19 A E V A S T L N E S L L N D Y L V K T T T D K Q Q K L Y L L N H F L E G F R G T
UniRef90_UPI0003655AC7 A E V A S T C N E A L L N D Y L L K T T D D K K R L Y L L N H Y L E G F R G T
UniRef90_V6MDL0 A E V A S T V N E A L L M N H L L E T T N D K H Q R M Y L I N Y Y L E Q F R G T
UniRef90_W9AJ25 A E V A S T C N E A L L N D H L L K T T E D E K E K L Y L L N H F L E G F R G T
UniRef90_W7CV34 A E V A S T T N E N L L T D Y M L K K Y D D P K V R A Y L L N H Y L D G F K G T
UniRef90_Q67RH1 A E V A S T F N E A L L T D Y L L K S T D D P R L K M Y L I N H Q L E S F R T T
UniRef90_A5USQ7 A E V A S T L N E A L L T D H L L R T R D D P I L R R Y L I V E Q L E D I R T T
UniRef90_A1HS44 A E V A S T T N E I L L I D H M L K V T H D K R Q K L Y F L N Q Y L E A V R G T
UniRef90_F4A138 A E V A S T L N E A L L M D H M L K T T D Q R S M K L Y L I N H Y L E Q F R G T
UniRef90_W0EB20 A E V A S T L N E A L V M E H L L K T T E D P K V L A Y L L N H Y L E Q F R G T
UniRef90_UPI0003813775 A E V A S T C N E S L L N N Y L L K T T E D E K K R M Y L L N H F L E T F R G T
UniRef90_UPI00047C44CB A E V A S T C N E A L L M H H L L Q T T D D P K M R A Y L L N H H L E T I R G T
UniRef90_W8YQI4 A E V A S T L N E A L L M D Y L L N K S T D P K E K M Y L L T Y Y A D Q F R T T
UniRef90_UPI00028913BF A E V A S T C N E E L L T E Y L L K T V K D E K L R I Y V L N H W L E G V R S T
UniRef90_R3WA27 A E I A S T T N E N I L T E H L L E T E K D P R V R A Y V L N H Y L D G F K G T
UniRef90_S1R7E2 A E I A S T T N E N I L T E Y L L E T Q K D P K V R A F V L N H Y L D G F K A T
UniRef90_H3NFV6 A E I A S T T N E N L L T D Y L L K K A D S P E E K A L I L S Q Y L D G F K G T
UniRef90_D6TI17 A E V A S T L N E G L L T N Y L L K H T S D K G K R L A I L N H A L E D L R G T
UniRef90_R9LCW9 A E V A S T T N E A L L M D Y L L K K S T D P K Q K L Y L L T Y Y A D Q F R T T
UniRef90_R2NTZ5 A E I A S T T N E N L L T S Y L L E T E K D P K I R A Y I I N H F L D G F K G T
UniRef90_UPI00047E0D7C A E V A S T L N E A L L M H D M L E K A D D P K A K M Y L L T Y Y A D Q F R T T
UniRef90_W2E900 A E V A S T L N E A L L M D Y M L K H T T D P K E K L Y L L T Y Y A D Q F R T T
UniRef90_R2TGS4 A E I A S T T N E N L L T E Y L L E T E T D P R I R A Y V L N H Y L D G F K G T
UniRef90_R6LK21 A E V A S T C N E A L L M E Y L L G K T T D K K Q R A Y L I N H F L D Q F K G T
UniRef90_C0D4J9 A E V A S T C N E A L L I R H L L N R T E E T Q E K R Y L I N H F L E S F R G T
UniRef90_F4FSV3 A E I A S T T N E N I L T D Y L L K F K D D D E M K K F I L N Y Y L D G F K G T
UniRef90_U5S7Y6 A E I A S T T N E N I L T D Y L L E T Q K D P K V R A Y V L N H Y L D G F K G T
UniRef90_C5EGA0 A E V A S T C N E A L L I R H L L K K A G S R E E K A Y L L N H F L E S F R G T
UniRef90_R6EQ63 A E V A S T V N E S L L I K H L L A T E K D E N M R K Y L L N Y Y I E E F R T T
UniRef90_Q5FIA0 A E I A S T T N E N I L T E Y F L D H I T D S K T R A F I L N Y Y L D S F K G T
UniRef90_G2SWP8 A E V A S T C N E I L L M E Y L L A N T T D K K E R A Y L L N H Y L D S F K G T
UniRef90_D9SSU9 A E V A S T T N E I L L I N H L I H K E K D K T K K L Y L I N S Q L E Q I R A T
UniRef90_E6UDH3 A E V A S T C N E A L L M Q Y L L A H T D D R K E K A Y L I N Y F L E Q F R T T
UniRef90_T0IJX5 A E V A S T T N E I L L N D F L L K T T T D R Q K K L Y L I N Q Y L E M V R A T
UniRef90_C8W843 A E V A S T C N E A L L S H Y L L E H E T D P A R H A Y I L N H F L E G F R G T
UniRef90_I9L021 A E I A S T T N E N L L T N Y F L D T E K D P K M R A Y V L N Y Y L D G F K G T
UniRef90_UPI00036FAA9F A E V A S T L N E A L L M D Y M L K K T N D K K E K M Y L L A Y Y I D Q F R T T
UniRef90_UPI000219707A A E I A S T T N E N I L T D Y L L K N N S D P E V I K Y I L N S Y L D G V K G T
UniRef90_UPI00047A2680 A E V A S T T N E C L L I N H L I N K E Q N K E K K L Y F I N Q Q L E Q I R T T
UniRef90_R9BV97 A E V A S T T N E A L L I H Y L I N K E T D K K K L Y L I N Q E L E Q I R T T
UniRef90_R6PZN5 A E V A S T C N E A L L M E Y L L K T T E D K N M R K Y L V N Y F L E Q F R G T
UniRef90_R6WFR5 A E V A S T C N E N L L M R Y L L E G T T D K K E R A Y L L N H F L E E F R T T
UniRef90_R9BYY3 A E V A S T C N E S L L N D Y L L K T I T D K Q K R L Y L L N Y F L E G F R G T
UniRef90_UPI00037998B5 A E V A S N F N E A L L A E Y M F N H L E D K R K K L Y L L N E Q L E G F K G S
UniRef90_D4M7P1 A E V A S T T N E A L L L G H L L K T A K T E E E R K W L L S Y Y Y N M V R T T
UniRef90_B1BAT4 A E V A S T V N E N L L I N D L I K K E K D K N K K L Y L I N T Q L E Q I R T T
UniRef90_UPI00035D01D7 A E V A S T V N E Q L L V H Y Y L Q K L P S K E D R I R L I C R E I D E I R T T
UniRef90_S2ZT97 A E V A S T C N E A L L S H Y L L E H E T D P A R H A Y I L N H F L E G F R G T
UniRef90_S4ZSV8 A E I A S T T N E N L L T D Y F L T H S D D P K V R A Y I L N Y Y L D G F K G T
UniRef90_A5Z991 A E V A S T C N E S L L I H Y L L K N T D N K A E K A Y L I N H F L E Q F K G T
UniRef90_W4QQI0 A E V A S T V N E V L L I R Y L L K N T E D A K M K K H L L N H F I D S F R G T
UniRef90_E3BU93 A E I A S T T N E N I L T E Y F L K N I T D P K T R A F I L N Y Y L D S F K G T
UniRef90_UPI0002D2B12B A E V A S T F N E Q F L G R Y L M K H V T D N R T R A Y Y L N R E I D D L R R T
UniRef90_E0S147 A E V A S T T N E V L L Y H Y M K D H A S S K E E K A F I I N H F L D S F K G T
UniRef90_E8SEM5 A E V A S T C N E A L L S H Y M E Q N L D D K R R L L L L N Q E L E R F R A T
UniRef90_D3FSR9 A E V A S T V N E V L L I H Y L L N Q S T D D K T R K Y L V N D F I D K F K G T
UniRef90_F2JN74 A E V A S T V N E A L L M N Y L L E T T Q E E T Y K R Y L I N Y F M E Q F R S T
UniRef90_E3DS05 A E V A S T L N E N L L L D Y M L E N A Q T K E E K L Y L L N Y F L E G F R G T
UniRef90_A0A037Z273 A E V A S T T N E C L L I N H L I N I E K D K N K K L Y F I N Q Q L E Q I R T T
UniRef90_M7EII2 A E I A S T T N E N I M T E T L L K E A K D D K E R F A L L N Y Y L D S F K G T
UniRef90_M5RU08 A E V A S T F N E Q L L T D Y L L K N A A D D N E R A Y L I N N E L D G I R A T
UniRef90_UPI000364A338 A E V A S T T N E N L L L D H M L H I V K E P E K R I Y F I N Q Y L E Q V R T T
UniRef90_K1LV49 A E I A S T T N E N L L T Y Y L L D K Y E D P E I R L F I L N N F L D S A K G T
UniRef90_UPI00036B0D45 A E I A S T T N E N L L T E K L L S E V K D E K V R F A I L N H Y L D G F R G T
UniRef90_F6B8C9 A E V A S T L N E N L L I K Y L L E Q T N D N K E K L F L L N Y N L E Q F R T T
UniRef90_D8MGY5 A E I A S T T N E S L L T N Y L L K T N S D P K F Q A Y V L N Q Y L D G F K G T
UniRef90_I8AKX3 A E V A S T V N E V L L I H Y L L E K E T D P T I K K H L V N H F I D Q F K G T
UniRef90_K6DX70 A E V A S T V N E V L L I N Y L L K N E K D A D V R S H L L N H F I D Q F K G T
UniRef90_M1VLE8 A E V A S T F N E E L Y S R Y L F R T A N S R A E K A Y L V N R S L E D L R G T
UniRef90_U1WY95 A E V A S T L N E A L L F D S L Y A K A K T K Q E K M Y L L N Q R L E N F R T T
UniRef90_B1QXD4 A E V A S T T N E S L L I H Y L I N K E T D E K K K L F L I N Q E L E Q I R T T
UniRef90_D2RPS7 A E V A S T V N E A L L T S H L L E T V D D P E F K K H V L N E F L E R V R S T
UniRef90_E0E3C6 A E V A S T V N E N L L I K Y L L K N A K S D E E K I Y L L N Y Y L E Q F R T T
UniRef90_Q53778 A E I A S T T N E N I L T E T L L K E V K D D K N R F A I L N H Y L D G F K G T
UniRef90_M0H7R0 A E V A S T V N E T L L T E Y L L E N V D D D E L R M H V L D E Y L E R F R S T
UniRef90_Q67LM6 V E A P S T M N E V L L A D H I L K G T D D K R M R R W V I T Q L L M T Y H H N
UniRef90_S5ZZB5 A E V A S T F N E E L L F R Y M L K T A S D P K M K A Y L L S V R A S D V L A T
UniRef90_B9L544 A E V A S T F N E R L L T H A L L E R A T D A R E R A A L V N D A L D T F R I A
UniRef90_K0NZJ3 A E I A S T T N E N L L T N Y F L D K V T D K K T R A F L L N Y Y L N S F K G T
UniRef90_H9UI73 A E V A S T F N E Q L L F A H L L K Y A D D P R I T A Y L I N L R I D D M L A T
UniRef90_M0D2M5 A E V A S T V N E T L L T H H L L D V V D D E T L R R H V L N Q Y L E R F R S T
UniRef90_D3QZU0 A E I A S T T N E N L L S N Y L L K K F T K P E E R A F I A N H Y L D R I K A T
UniRef90_M1XNA0 A E V A S T V N E A L L T R H L L E T V E D E R F R R H V L D E Y L E R F R S T
UniRef90_G1Y2D2 A E I A S T A N E F L L S D Y M L A N A K T R Q E K L L Y L G N E L E T I R G T
UniRef90_UPI000365A11E I E A P S T M N E L L L A N H L L E R S N D P R M R R W V I S Q L L G T Y F H N
UniRef90_D7GTZ8 A E V A S T C N E I L L L N Y M I N E A K D R K E K F Y L V N Q L A E R F R T T
UniRef90_UPI000473F41F A E V A S T V N E V L L I R Y L I E R A K T E E E K K Y L L N H F I D Q F K G T

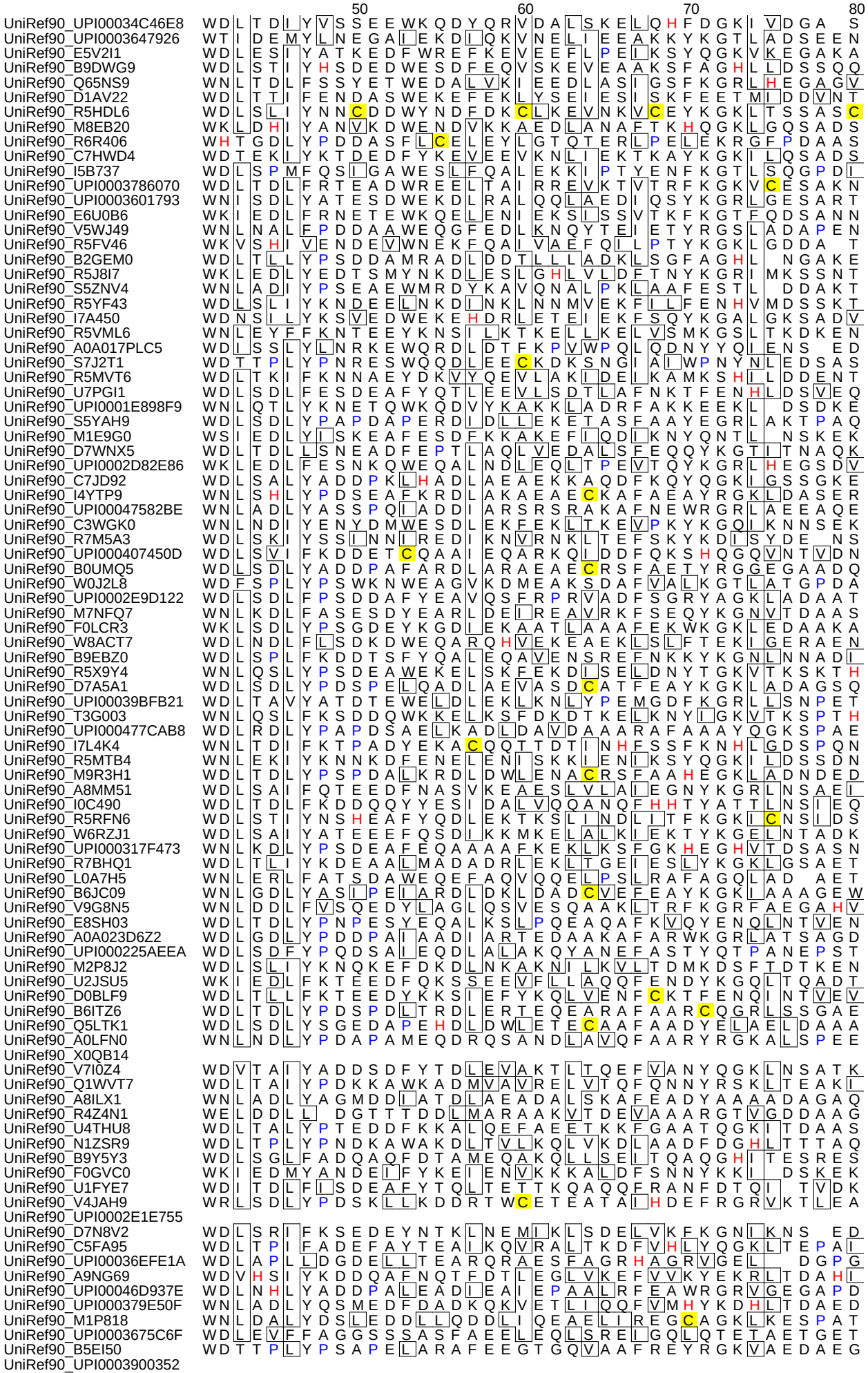

490
500
510
520
QUERY
UniRef90_UPI000429BE44
UniRef90_UPI00047929C4
UniRef90_J8TVQ5
UniRef90_UPI0003F97038
UniRef90_D3FV19
UniRef90_UPI0003655AC7
UniRef90_V6MDL0
UniRef90_W9AJ25
UniRef90_W7CV34
UniRef90_Q67RH1
UniRef90_A5USQ7
UniRef90_A1HS44
UniRef90_F4A138
UniRef90_W0EB20
UniRef90_UPI0003813775
UniRef90_UPI00047C44CB
UniRef90_W8YQI4
UniRef90_UPI00028913BF
UniRef90_R3WA27
UniRef90_S1R7E2
UniRef90_H3NFV6
UniRef90_D6TI17
UniRef90_R9LCW9
UniRef90_R2NTZ5
UniRef90_UPI00047E0D7C
UniRef90_W2E900
UniRef90_R2TGS4
UniRef90_R6LK21
UniRef90_C0D4J9
UniRef90_F4FSV3
UniRef90_U5S7Y6
UniRef90_C5EGA0
UniRef90_R6EQ63
UniRef90_Q5FIA0
UniRef90_G2SWP8
UniRef90_D9SSU9
UniRef90_E6UDH3
UniRef90_T0IJX5
UniRef90_C8W843
UniRef90_I9L021
UniRef90_UPI00036FAA9F
UniRef90_UPI000219707A
UniRef90_UPI00047A2680
UniRef90_R9BV97
UniRef90_R6PZN5
UniRef90_R6WFR5
UniRef90_R9BYY3
UniRef90_UPI00037998B5
UniRef90_D4M7P1
UniRef90_B1BAT4
UniRef90_UPI00035D01D7
UniRef90_S2ZT97
UniRef90_S4ZSV8
UniRef90_A5Z991
UniRef90_W4QQI0
UniRef90_E3BU93
UniRef90_UPI0002D2B12B
UniRef90_E0S147
UniRef90_E8SEM5
UniRef90_D3FSR9
UniRef90_F2JN74
UniRef90_E3DS05
UniRef90_A0A037Z273
UniRef90_M7EII2
UniRef90_M5RU08
UniRef90_UPI000364A338
UniRef90_K1LV49
UniRef90_UPI00036B0D45
UniRef90_F6B8C9
UniRef90_D8MGY5
UniRef90_I8AKX3
UniRef90_K6DX70
UniRef90_M1VLE8
UniRef90_U1WY95
UniRef90_B1QXD4
UniRef90_D2RPS7
UniRef90_E0E3C6
UniRef90_Q53778
UniRef90_M0H7R0
UniRef90_Q67LM6
UniRef90_S5ZZB5
UniRef90_B9L544
UniRef90_K0NZJ3
UniRef90_H9UI73
UniRef90_M0D2M5
UniRef90_D3QZU0
UniRef90_M1XNA0
UniRef90_G1Y2D2
UniRef90_UPI000365A11E
UniRef90_D7GTZ8
UniRef90_UPI000473F41F

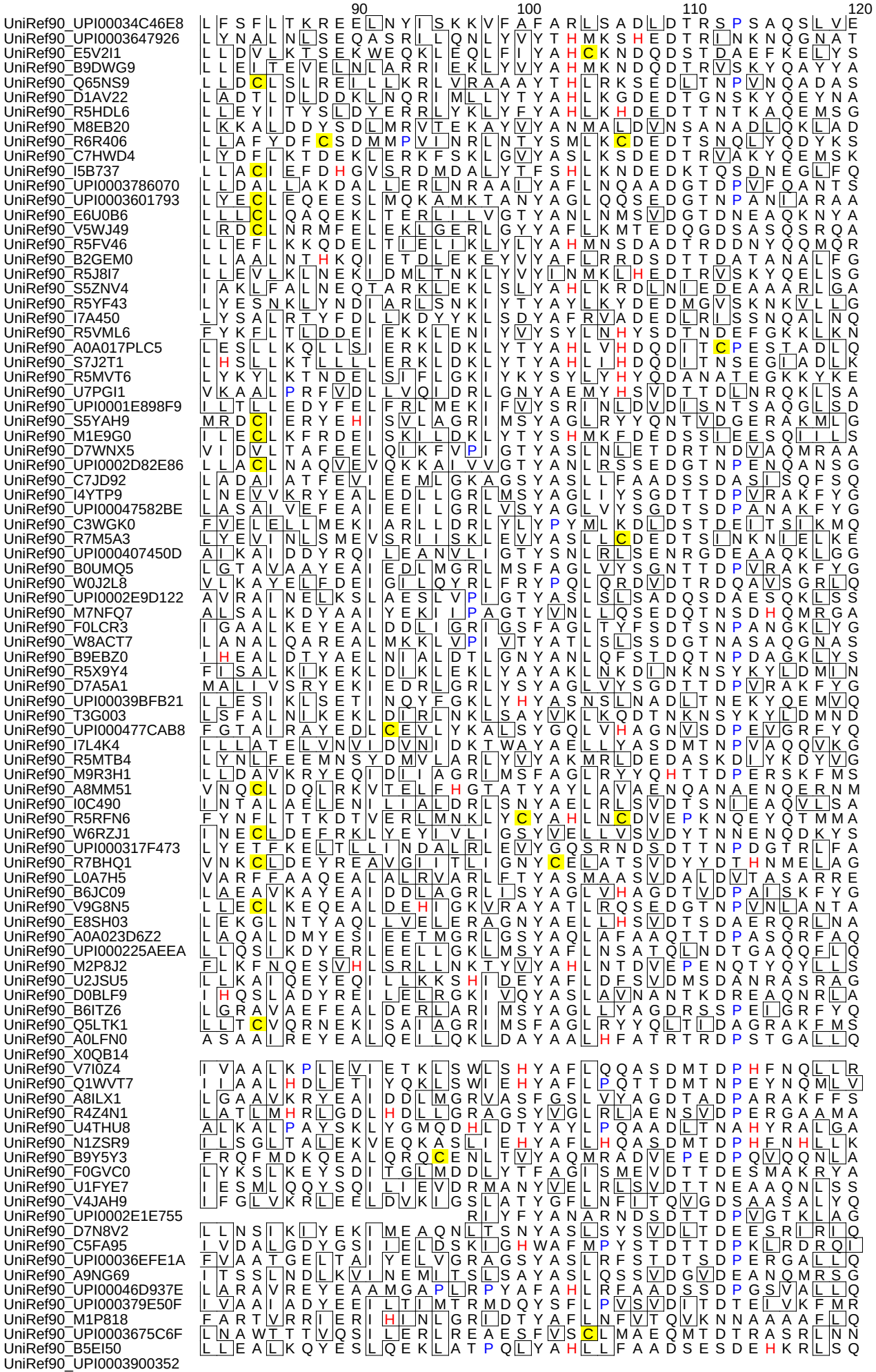

530
540
550
560
QUERY F G D G M V I D K E I G L E W S R I P H F Y Y N Y Y V Y Q Y A T G Y S A A Q A L
UniRef90_UPI000429BE44 F G N D L V I D K E I G L E W S R I P H F Y Y N F Y V Y Q Y A T G F S A A A S L
UniRef90_UPI00047929C4 F G E D I V V D E E I G L E W S R I P H F Y Y N Y Y V Y Q Y A T G Y S A A T A L
UniRef90_J8TVQ5 F G E D L V I D E E I G L E W S R I P H F Y Y N F Y V Y Q Y A T G Y S A A A A L
UniRef90_UPI0003F97038 F G A D M T V D D E I S L E W S R I P H F Y M N F Y V Y Q Y A T G Y S A A A A L
UniRef90_D3FV19 F G E E M V V D E E I G L E W A R I P H F Y Y N F Y V Y Q Y A T G Y S A A A A L
UniRef90_UPI0003655AC7 F G D S L V I D K E I G L E W S R I P H F Y Y N Y Y V Y Q Y A T G F S A A T A L
UniRef90_V6MDL0 H G P E M V I D K E I E L E W E R I P H F Y R H F Y V Y K Y A T G F S A A T S L
UniRef90_W9AJ25 F G D A V V S D E E I G L E W A R I P H F Y Y N Y Y V Y Q Y A T G Y S A A T A L
UniRef90_W7CV34 Y G S E I V Y D E E I G L E W S R I P H F Y M N Y Y V F Q Y A T G F S A A S A L
UniRef90_Q67RH1 Y G E G M V V D D D L I A V E W A R I P H F Y S A F Y V Y Q Y A T G I S A A T A L
UniRef90_A5USQ7 H G S E V A L D E Q I A L E W A R I P H F Y Y N F Y V Y Q Y A T G L S A A L A L
UniRef90_A1HS44 Y G P D I V V D E E I A V E W A R I P H F Y W H F Y V Y Q Y V T G Y A A A T A L
UniRef90_F4A138 Y G P N I V V D D D R I D L E W S R I P H F Y S S F Y V Y K Y A T G F S A A T A L
UniRef90_W0EB20 Y G P D V V S D S E I A L E W T R I P H F Y N S F Y V Y K Y A T G F S A A T A L
UniRef90_UPI0003813775 F G D D M V I D E E I A L E W A R I P H F Y Y N Y Y V Y Q Y A T G L S A A I A L
UniRef90_UPI00047C44CB F G A V C A V D K D I A M E W S R I P H F Y T P F Y V Y K Y A T G L S A A T A L
UniRef90_W8YQI4 Y G K G M V V D Q D I E M E W A R I P H F Y N S F Y V Y K Y A T G F S A A T S F
UniRef90_UPI00028913BF F G E D M I V D E E I G R E W A R I P H F Y Y N Y Y V Y Q Y A T G K S A A I A L
UniRef90_R3WA27 Y G P A V E E D E E I A L E W S R I P H F Y Y N Y Y V F Q Y A T G F S A A S A L
UniRef90_S1R7E2 Y G D A V T S D P Q I S Y E W S R I P H F Y Y N Y Y V Y Q Y A T G F S A A S A L
UniRef90_H3NFV6 Y G D V V V N D E E I Q Y E W S R I P H F Y M G Y Y V Y Q Y S T G F C A A T A L
UniRef90_D6TI17 Y G G E T F V D D L I G I E W G R I P H F Y S S F Y V Y Q Y A T G I S A S S A L
UniRef90_R9LCW9 H G K D M V V D Q D I E M E W A R I P H F Y T S F Y V Y K Y A T G F S A A T S F
UniRef90_R2NTZ5 Y G P I V V N D E E I K D E W S R I P H F Y Y N Y Y V Y Q Y A T G F S A A S A L
UniRef90_UPI00047E0D7C Y G K D M V V D K D I E M E W A R I P H F Y T S F Y V Y K Y A T G F S A A T S F
UniRef90_W2E900 H G N D M V V D Q D I E M E W A R I P H F Y N S F Y V Y K Y A T G F S A A T S F
UniRef90_R2TGS4 Y G P E V M K D P E I S L E W S R I P H F Y Y N Y Y V Y Q Y A T G F S A A S A L
UniRef90_R6LK21 Y G P D V V S D D Q I A L E W A R I P H F Y Y N Y Y V F Q Y A T G Y S A A I A L
UniRef90_C0D4J9 F G P E M V V D P E I D Y E W E R I P H F Y T P F Y V Y Q Y A T G F S A A V A I
UniRef90_F4FSV3 Y G D A V I S D P Q I G L E W S R I P H F Y Y N F Y V Y Q Y S T G F A A A S T L
UniRef90_U5S7Y6 Y G P D V E K D P E I A L E W T R I P H F Y Y N Y Y V Y Q Y S T G F S A A T A L
UniRef90_C5EGA0 F G P E M N V D A Q I D Y E W E R I P H F Y T P F Y V Y Q Y A T G F S A A V A I
UniRef90_R6EQ63 F G P A M E D D G Y I K Y E W S R I P H F Y R G F Y V Y Q Y A T G Y S A A T A I
UniRef90_Q5FIA0 Y G D S V E P G G D I A L E W S R I P H F Y Y D F Y V Y Q Y A T G F A A A T A L
UniRef90_G2SWP8 F G E D M V S D P Q I A Y E W A R I P H F Y Y N F Y V Y Q Y A T S F S A A V A I
UniRef90_D9SSU9 F G P D M V V D E E I D M E W A R I P H F Y S D F Y V Y Q Y A T G Y A A A S S F
UniRef90_E6UDH3 F G D G I V M D E D I K M E W A R I P H F Y Y N F Y V Y Q Y A T G Y S A A I A L
UniRef90_T0IJX5 Y G P E M V V D T E I D V E W A R I P H F Y M D F Y V Y Q Y V T G Y A A A T T L
UniRef90_C8W843 F G P G I E L D E E I K L E W S R I P H F Y Y N F Y V Y Q Y C I G F S A A I A L
UniRef90_I9L021 Y G D A V V S D P Q I A D E W S R I P H F Y Y N Y Y V Y Q Y A T G F A A A S T L
UniRef90_UPI00036FAA9F Y G D D M V V D K D I E M E W A R I P H F Y T S F Y V Y K Y A T G F S A A Q S F
UniRef90_UPI000219707A Y G D D V V S D P E I R L E W S R I P H F Y Y D F Y V Y Q Y A T G F A A A S A L
UniRef90_UPI00047A2680 F G K N M V V D K E I D M E W A R I P H F Y S D F Y V Y Q Y A T G Y S A A N S F
UniRef90_R9BV97 F G E D M V V D E E I D I E W A R I P H F Y S D F Y V Y Q Y A T G Y A A A S A F
UniRef90_R6PZN5 F G D D I V I D E E I D I E W A R I P H F Y N A F Y V Y Q Y A T G Y S A A I A L
UniRef90_R6WFR5 Y G D S M V V D K E I A L E W A R I P H F Y M N F Y V Y Q Y A T G F S A A V A L
UniRef90_R9BYY3 F G E D I I I D E E I G L E W S R I P H F Y Y N F Y V Y Q Y A T G Y S A A T A L
UniRef90_UPI00037998B5 F G E A V D Y D E Y I N Q E W A R I P H F Y M N Y Y V Y Q Y S T G Y S A A A S L
UniRef90_D4M7P1 Y G P D M A P D E L L W V E W A R I P H F Y S A F Y V Y K Y V T G F T A A N A F
UniRef90_B1BAT4 F G K D M I I D K E V D M E W A R I P H F Y S D F Y V Y Q Y A T G Y S A A N S F
UniRef90_UPI00035D01D7 F G G A L T I D P Q L E L E C L R I P H F Y H A F Y V Y K Y A T G I S S A I A I
UniRef90_S2ZT97 F G P G I V S D K E I E I E W A R I P H F Y Y D F Y V Y Q Y S I G F S A A I A L
UniRef90_S4ZSV8 Y G P E V A R D P E I A F E W A R I P H F Y Y N Y Y V Y Q Y A T G F A A A S T L
UniRef90_A5Z991 F G E D M V L D E E I A L E W A R I P H F Y N P F Y V Y Q Y A T G I S A A I A L
UniRef90_W4QQI0 N G D E I V F D D E V K Y G W S R I P H F Y R P F Y V Y K Y A T G Y A S A I H I
UniRef90_E3BU93 Y G S S V T P G G Q I A K E W S R I P H F Y Y N F Y V Y Q Y A T G F A A A T A L
UniRef90_UPI0002D2B12B F G P D F T L D E Q L S L E G L R I P H F Y R A F Y V Y K Y A T G L S A A I A L
UniRef90_E0S147 F G A D M I S D P Q I G W E W C R I P H F Y Y N F Y V Y Q Y A T S F A A A V A I
UniRef90_E8SEM5 F G D T V E T D E Y I S K E W S R I P H F Y M N Y Y V Y Q Y A T G Y S A A Q S L
UniRef90_D3FSR9 N G P D M V F D E E V K Y G W S R I P H F Y R P F Y V Y K Y A T G F A A A I Q L
UniRef90_F2JN74 H G P S I E V D A A I A M E W A R I P H F Y Y T P F Y V Y Q Y A T G Y S A A I T L
UniRef90_E3DS05 F G K A L V I D Q E L D Y E W A R I P H F Y Y N F Y V Y K Y A T G Y S A A A A L
UniRef90_A0A037Z273 F G K D I V I D K E I D I E W A R I P H F Y S D F Y V Y Q Y A T G Y A A A N S F
UniRef90_M7EII2 Y G L P K E D N P Q I Q Y E W A R I P H F Y Y N F Y V Y Q Y A T G F A A A S Y L
UniRef90_M5RU08 F G P D F V I D E E L E R E C F R I P H F Y R A F Y V Y K Y A T G L S A A V A L
UniRef90_UPI000364A338 Y G N D I I I D P E L K I E W A R I P H F Y R P F Y V Y Q Y A T G Y A A A T T L
UniRef90_K1LV49 Y G P E V N S D S E I A L E W S R I P H F Y Y N Y Y V F Q Y A T G F S A A A F F
UniRef90_UPI00036B0D45 Y G L S A E D N Y F I Q F E W A R I P H F Y Y N Y Y V F Q Y A T G F A A A S A L
UniRef90_F6B8C9 Y Q G V T M D D E I A L E W A R I P H F Y N A F Y V Y K Y A T G F S A A V A L
UniRef90_D8MGY5 Y G P D L F P D E E I A Y E W T R I P H F Y Y N Y Y V Y Q Y A T G E A A A T T L
UniRef90_I8AKX3 Q G D T L V F D P E V K F G W S R I P H F Y R P F Y V Y K Y A T G Y I S A I H I
UniRef90_K6DX70 N G D E M V F D E E V K Y G W S R I P H F Y R P F Y V Y K Y A T G F A S A I H L
UniRef90_M1VLE8 F G D G V C I D E A I E W E L F R I P H F Y Y N F Y V Y Q Y A T G I S A A L A L
UniRef90_U1WY95 Y G P S V A D D Q E I A M E W A R I P H F Y Y N F Y V Y Q Y A T S F A A S T A L
UniRef90_B1QXD4 F G E D M V V D K E I D V E W S R I P H F Y S D F Y V Y Q Y A T G Y A A A S A F
UniRef90_D2RPS7 Y E P A V V D D R I A R E W M R I P H F Y R A F Y V Y Q Y A T G I S A A L A I
UniRef90_E0E3C6 Y G G S C N V D E L V G I E W A R I P H F Y S N F Y V Y K Y A T G F S A A T V L
UniRef90_Q53778 Y G L T K E D N H F I Q Y E W A R I P H F Y Y N Y Y V F Q Y A T G F A A A N Y L
UniRef90_M0H7R0 Y A N A E T D D H I A R E W M R I P H F Y Y N Y Y V Y Q Y A T G I S A A A A I
UniRef90_Q67LM6 W G G E V V I D E G A K L T W M R Q P H Y Y M G L Y P Y T Y S A G L T C G T L M
UniRef90_S5ZZB5 F G P E M V F E D V S D L E G L R I P H F Y R A F Y V Y K Y S T G I S A S M A L
UniRef90_B9L544 Y G P D L E V D E E V R H E W S R V P H F Y R A F Y V Y Q Y A T G L V A A T A L
UniRef90_K0NZJ3 Y G P R I E T G S E I R L E W A R I P H F Y Y D F Y V Y Q Y A T G F A A A T A L
UniRef90_H9UI73 F G P S V T I E P P D D L E G L R I P H F Y R A F Y V Y K Y A T G I S A A V T L
UniRef90_M0D2M5 Y A N A A V D D R I A R E W M R I P H F Y R A F Y V Y Q Y A T G I S A A V A L
UniRef90_D3QZU0 Y G P S L N F D A N I T Y E W A R I P H F Y Y N F Y V Y Q Y A T G F A A A T A F
UniRef90_M1XNA0 Y E P A K I D D R I A R E W M R I P H F Y R A Y Y V Y Q Y A T G I S A A N A I
UniRef90_G1Y2D2 H G A D M Q I D P V Y A A E W A F I P H F Y R P F Y V Y Q Y A T S I S A S A Y F
UniRef90_UPI000365A11E W G E D V V I D E H A K L T W M R Q P H Y Y M S L Y P Y T Y A A G L T A S T A V
UniRef90_D7GTZ8 Y G K E T V I D S D I D H E W E R I P H F Y M Q F Y V Y Q Y A T G F S A A M A I
UniRef90_UPI000473F41F Y G P S L V A D E E T K Y G W A R I P H F Y R P F Y V Y K Y A T G F V S A I D I

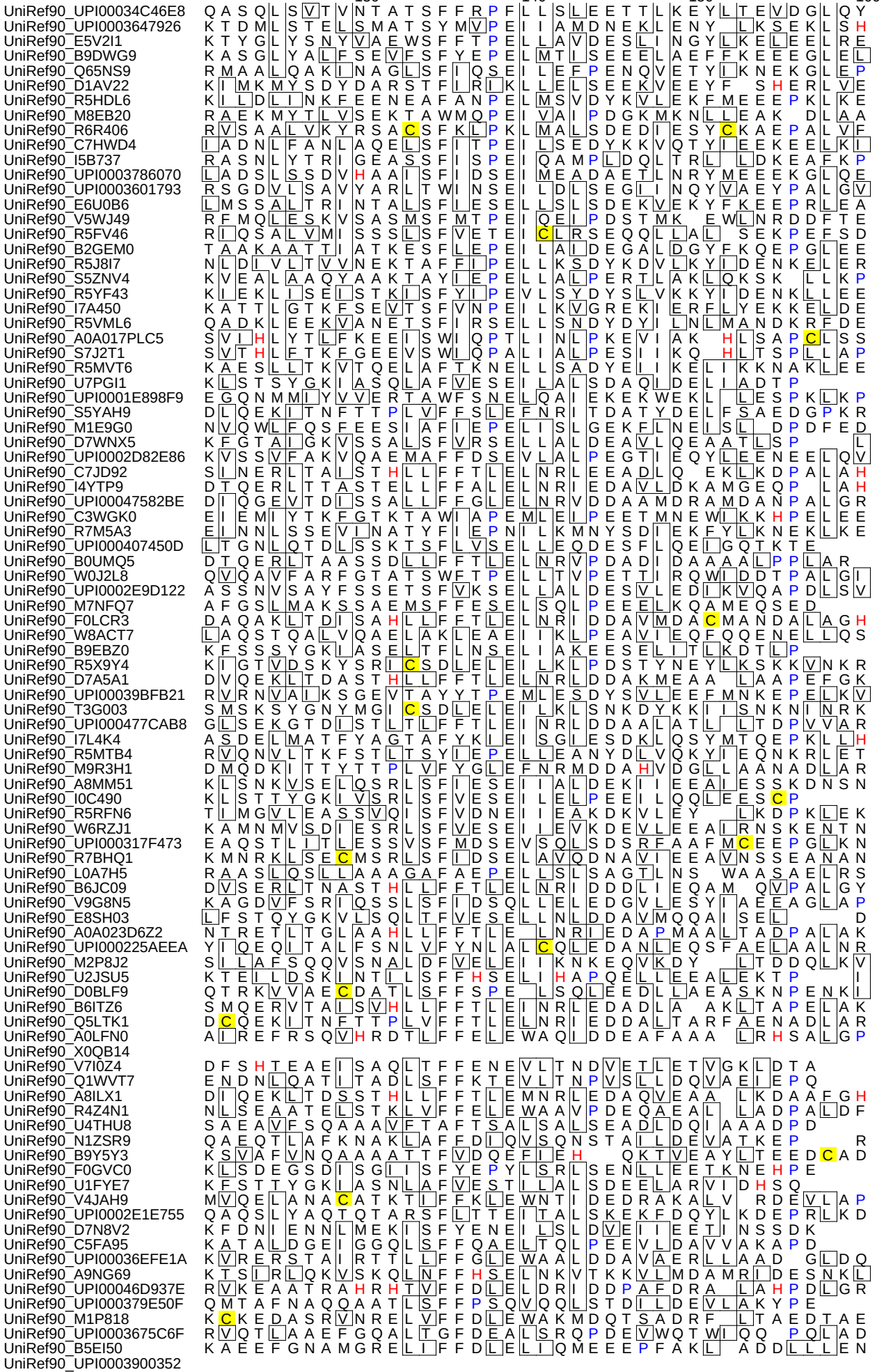

570
580
590
600
QUERY
UniRef90_UPI000429BE44
UniRef90_UPI00047929C4
UniRef90_J8TVQ5
UniRef90_UPI0003F97038
UniRef90_D3FV19
UniRef90_UPI0003655AC7
UniRef90_V6MDL0
UniRef90_W9AJ25
UniRef90_W7CV34
UniRef90_Q67RH1
UniRef90_A5USQ7
UniRef90_A1HS44
UniRef90_F4A138
UniRef90_W0EB20
UniRef90_UPI0003813775
UniRef90_UPI00047C44CB
UniRef90_W8YQI4
UniRef90_UPI00028913BF
UniRef90_R3WA27
UniRef90_S1R7E2
UniRef90_H3NFV6
UniRef90_D6TI17
UniRef90_R9LCW9
UniRef90_R2NTZ5
UniRef90_UPI00047E0D7C
UniRef90_W2E900
UniRef90_R2TGS4
UniRef90_R6LK21
UniRef90_C0D4J9
UniRef90_F4FSV3
UniRef90_U5S7Y6
UniRef90_C5EGA0
UniRef90_R6EQ63
UniRef90_Q5FIA0
UniRef90_G2SWP8
UniRef90_D9SSU9
UniRef90_E6UDH3
UniRef90_T0IJX5
UniRef90_C8W843
UniRef90_I9L021
UniRef90_UPI00036FAA9F
UniRef90_UPI000219707A
UniRef90_UPI00047A2680
UniRef90_R9BV97
UniRef90_R6PZN5
UniRef90_R6WFR5
UniRef90_R9BYY3
UniRef90_UPI00037998B5
UniRef90_D4M7P1
UniRef90_B1BAT4
UniRef90_UPI00035D01D7
UniRef90_S2ZT97
UniRef90_S4ZSV8
UniRef90_A5Z991
UniRef90_W4QQI0
UniRef90_E3BU93
UniRef90_UPI0002D2B12B
UniRef90_E0S147
UniRef90_E8SEM5
UniRef90_D3FSR9
UniRef90_F2JN74
UniRef90_E3DS05
UniRef90_A0A037Z273
UniRef90_M7EII2
UniRef90_M5RU08
UniRef90_UPI000364A338
UniRef90_K1LV49
UniRef90_UPI00036B0D45
UniRef90_F6B8C9
UniRef90_D8MGY5
UniRef90_I8AKX3
UniRef90_K6DX70
UniRef90_M1VLE8
UniRef90_U1WY95
UniRef90_B1QXD4
UniRef90_D2RPS7
UniRef90_E0E3C6
UniRef90_Q53778
UniRef90_M0H7R0
UniRef90_Q67LM6
UniRef90_S5ZZB5
UniRef90_B9L544
UniRef90_K0NZJ3
UniRef90_H9UI73
UniRef90_M0D2M5
UniRef90_D3QZU0
UniRef90_M1XNA0
UniRef90_G1Y2D2
UniRef90_UPI000365A11E
UniRef90_D7GTZ8
UniRef90_UPI000473F41F

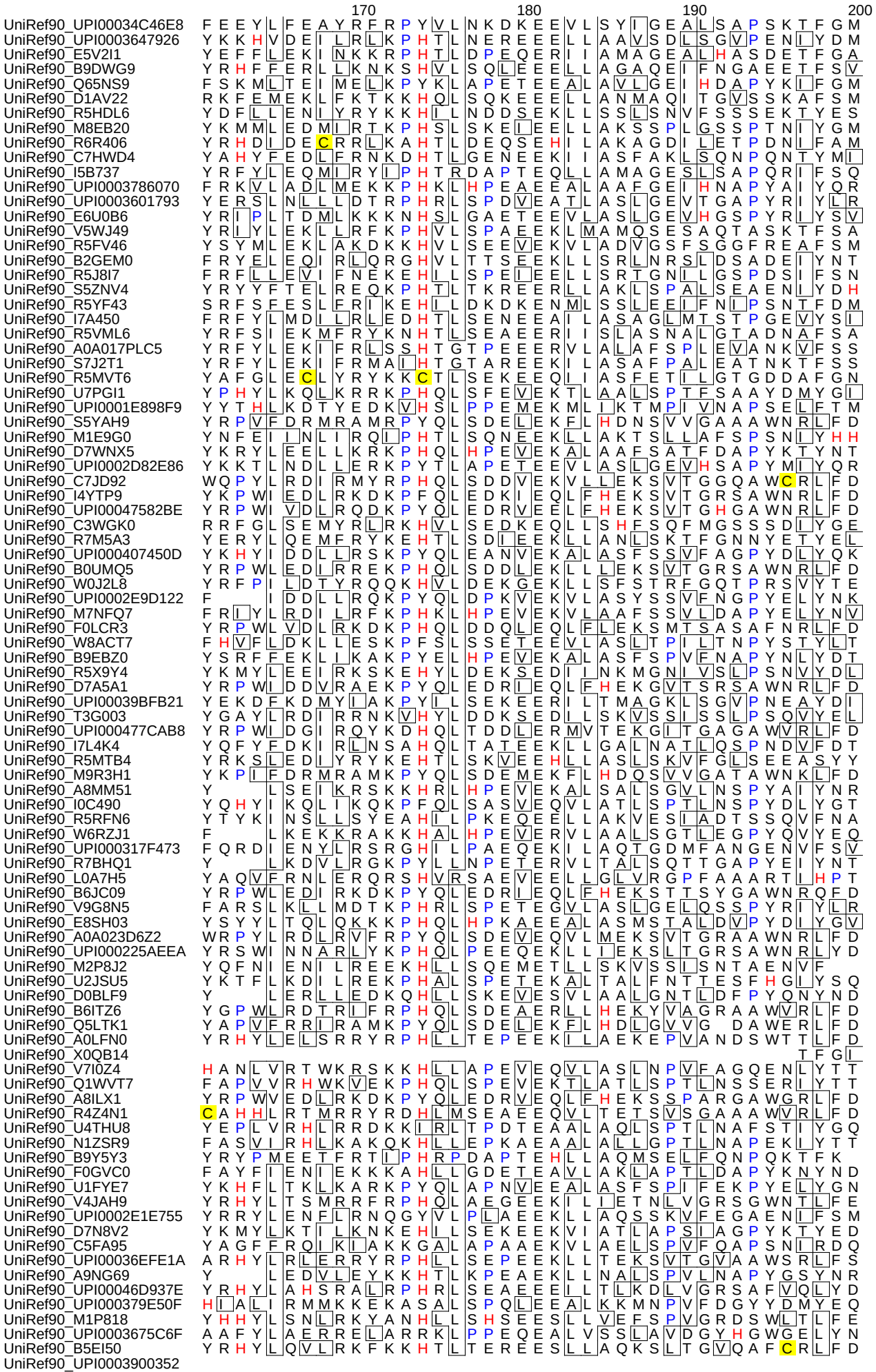

610
620
QUERY P E P I E A A C K M F E E K L D E M E E L L M K V K Q S
UniRef90_UPI000429BE44 P E P I E N A L K V F E S I L D E M E S L L
UniRef90_UPI00047929C4 S A P I E E A C K V F E E K L N E M E E L L E K V N
UniRef90_J8TVQ5 S E P I E Q A L A V F E E T L T E M E K L L D K V E
UniRef90_UPI0003F97038 P A P V E E A M G L F E K T L D E M E Q L L E E
UniRef90_D3FV19 K E P I E E A L R L F E E T L D E M E R L L K
UniRef90_UPI0003655AC7 S E P V K E A M Q V F E E K L N E L E A L L
UniRef90_V6MDL0 P E P I R E A L A V F K A L I E E L E Q L M G Q
UniRef90_W9AJ25 K Q P I L D A L D V F E E K L N E M E E L L S Q
UniRef90_W7CV34 S K P V T D A L K V F E Q R L N E L E E L V K
UniRef90_Q67RH1 P E P I Q Q A L D V F A R L L D Q M E Q L
UniRef90_A5USQ7 P A P I Q A A M D H F S A L L D E L E R M T
UniRef90_A1HS44 P Q P V A V T L N K F G E R L N E L E K L L A A I D N A
UniRef90_F4A138 P K P V E A A L K V F A G L L D Q M E S M I
UniRef90_W0EB20 P G P V K E A L E V F K G L V D R L E K V L E E
UniRef90_UPI0003813775 A D A I E S A C K V F E K S L E E M E K L L
UniRef90_UPI00047C44CB P E P V R A T L G L F A E M V D E L S S L L
UniRef90_W8YQI4 P E P I E Q A M S V F E S V I S Q L E E L T A S A K
UniRef90_UPI00028913BF A Q P I Q E A F D L F E E R L A E L E T L L T K
UniRef90_R3WA27 S A Y I E E A M K V F E A R L D E L E A L I S E L D K
UniRef90_S1R7E2 A D Y L K E A M Q V F A Q R L D E L E A L V S E L E K
UniRef90_H3NFV6 K D Y L Q R A M D V F E Q R L N Q L E E V V K E I K
UniRef90_D6TI17 P E P V H Q A F Q L F E S Y L S Q I E D L L
UniRef90_R9LCW9 P Q P I R E A M S V F E N V I E Q M E Q L T
UniRef90_R2NTZ5 P T Y I E D A M E I F A L R L D E L E Q L V Q E L K
UniRef90_UPI00047E0D7C P E P I R Q A M S V F Q G L I E Q M E Q L T A K
UniRef90_W2E900 P E P I K Q S M D V F K S V V E Q M E Q L T K
UniRef90_R2TGS4 P Q Y I E D A M K V F E S R L G E L E E L V A T L E Q
UniRef90_R6LK21 P E P V N T A L E L F G K L L D E M E E L M Q
UniRef90_C0D4J9 T K P V D E A L K V F G E L V E E F C R L
UniRef90_F4FSV3 P E Y L E K A F Q I F E Q R L D E F E R L Y N K
UniRef90_U5S7Y6 K T Y I E D A M K V F E T R L N E L E E L I E T L K D
UniRef90_C5EGA0 T R P V D E A L A F F G E L L D E F E G L
UniRef90_R6EQ63 P Q P V K M A M E T F K N L V D E L E K M L
UniRef90_Q5FIA0 P D Y L E D A F K T F E K R L A E F E S L I E K
UniRef90_G2SWP8 P K P I Q D A L D V F G K V L D E I E T L I
UniRef90_D9SSU9 A K P I E D T M D T F R Q L L D M I E E I
UniRef90_E6UDH3 T K P V T D A L A L F G D L I K Q M D E L
UniRef90_T0IJX5 S Q P V E L T L A K F S A M L D E L E L L L S K
UniRef90_C8W843 P D P V N A A L K Y F G E L V D Q L E Q E L N
UniRef90_I9L021 P D Y L D D A F K V F A E R L D E F E Q L V
UniRef90_UPI00036FAA9F P T P I E E G M S L L E S L I E E M E Q M A A K
UniRef90_UPI000219707A P D Y L N Q A F D K F E R R L N E L E K M L
UniRef90_UPI00047A2680 P K P L E D T I D T F N K L L D M L E
UniRef90_R9BV97 S Q P L E A T V E R F N E L L D M L D K E I N
UniRef90_R6PZN5 K D A V E N A M A V F E S L L D E M E K F
UniRef90_R6WFR5 P K P V D D A L D L F E Q L I D E F E A L V K
UniRef90_R9BYY3 K T P I E E A C K V F E E K L N E M E S L L N E L Q
UniRef90_UPI00037998B5 A E P V E N A M K V F E K Q L D Q F E A L V A E L E E
UniRef90_D4M7P1 R E P F D R T M K L F Q E R L E E G E R
UniRef90_B1BAT4 P K P I Q D T I N R F N E L L D M L E
UniRef90_UPI00035D01D7 P Q P I Q T A M N H L G E R V S Q L K E L L L K
UniRef90_S2ZT97 P E P I N A A L A S F A D L V K Q L E K E L
UniRef90_S4ZSV8 P D Y L E A A F S V F E Q R L T E L E K I L Q K
UniRef90_A5Z991 K E P I E K A L E L F K E L L D Q M E Q S F L S I D T N
UniRef90_W4QQI0 P E P I R N A L A I F G E L V D E F A S L
UniRef90_E3BU93 A D Y L E N A F A T F E K R L N E F E S L I G K
UniRef90_UPI0002D2B12B P E P V N Q A F E R F G R L V D E L E K T M S E V
UniRef90_E0S147 K A P I D A A L N V F G E A I T E M E E I M K
UniRef90_E8SEM5 P G P I E D A C K V F E Q K L D A F E K L M K
UniRef90_D3FSR9 S E P I E K A L A F F T E L V D E F E
UniRef90_F2JN74 S A P I A K A L E V F N S L I I Q F K Q
UniRef90_E3DS05 P A V I E N S T A K F K K Y L K Q L Q D L I
UniRef90_A0A037Z273 S K P I E D T I K R F D E L L N M M E
UniRef90_M7EII2 A D Y L E G A F Q V F A K R L E E L E S L V K Q
UniRef90_M5RU08 P E P V A T T L E R F R T L T E E L D Q L I
UniRef90_UPI000364A338 P K P L E I T L E K F S K R L D E L E T F L L K
UniRef90_K1LV49 A D Y I Q A T L D L F E E R L D E F E S L L E K
UniRef90_UPI00036B0D45 E D Y L N D A F K V F E A R L T E L E S L V E K
UniRef90_F6B8C9 P K P I E D C L K S F A E N L Q L A T K L V
UniRef90_D8MGY5 A D Y L K Q A F D V F E T R L N Q L E S L L
UniRef90_I8AKX3 E E P I K S A M K K F S E L V E E F S K L
UniRef90_K6DX70 P Y P I E N S L K R F G E L V E E F
UniRef90_M1VLE8 P E P V Q A A L R R F G A L V D E L D Q L T
UniRef90_U1WY95 S K P I D D A M K V F A E T L N E L E R L I N Q
UniRef90_B1QXD4 S K P I E A T I N R F N E L L D M I D
UniRef90_D2RPS7 S D P I D R A L E T Y G Q R L E E M E A L M E
UniRef90_E0E3C6 K S A V D G A L K V F A D L V D E L E A L I S K
UniRef90_Q53778 A D Y L D A A F R V F E E R L V E L E N L V A K
UniRef90_M0H7R0 P E P I E D A M G V Y E S F L D E A A T L L D
UniRef90_Q67LM6 P E P I R K A I A Y V G S L I D E L E A
UniRef90_S5ZZB5 P E P V Q A A C D N F A K I V D E L E K V L E E L K K
UniRef90_B9L544 P E P Y L A A F A T M E Q D L V T L E E A L T Q L
UniRef90_K0NZJ3 P D Y L E D A F K I F E E R L D E F E K L M T E L
UniRef90_H9UI73 P E P V A T A L Q E F S G L I E Q L E S A L Q Q
UniRef90_M0D2M5 S D P I Q S A I D T Y D E F L D E F E D L I
UniRef90_D3QZU0 P K P I E N T L K V F K E Y M D K L K
UniRef90_M1XNA0 S E P V E A A I D A Y D A M V S E F A S L T
UniRef90_G1Y2D2 P A P Y Q A L V R R M D A V I T E M E R L L D
UniRef90_UPI000365A11E P D P I R S A A A Y V G S L I D E L E G L
UniRef90_D7GTZ8 P E V V N E A V K V F K D L L D E M E E L
UniRef90_UPI000473F41F P D A I A N A M S V F A E L V K Q L T K

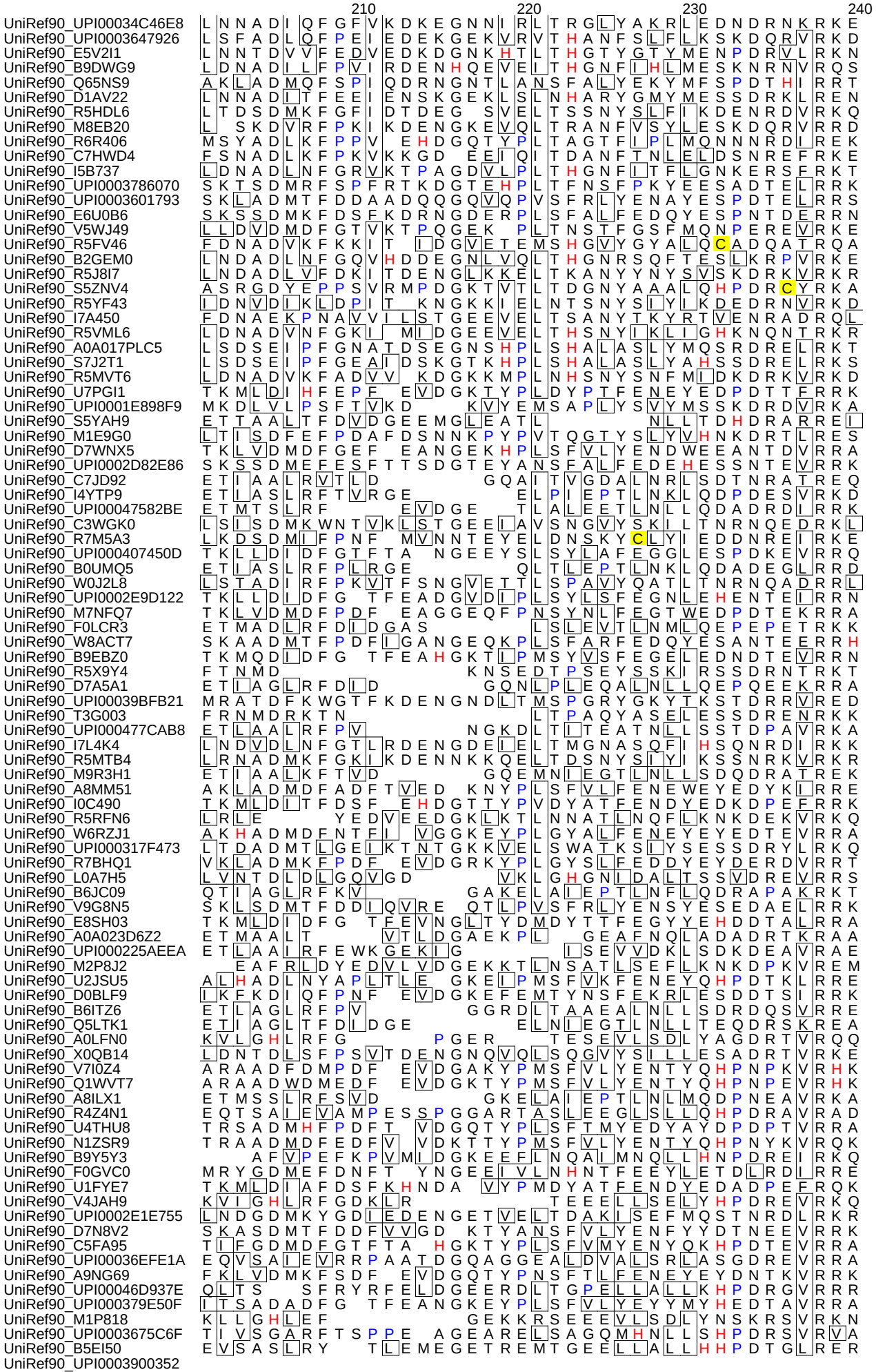

1
10
20
30
40
UniRef90_UPI00034C46E8
UniRef90_UPI0003647926
UniRef90_E5V2I1
UniRef90_B9DWG9
UniRef90_Q65NS9
UniRef90_D1AV22
UniRef90_R5HDL6
UniRef90_M8EB20
UniRef90_R6R406
UniRef90_C7HWD4
UniRef90_I5B737
UniRef90_UPI0003786070
UniRef90_UPI0003601793
UniRef90_E6U0B6
UniRef90_V5WJ49
UniRef90_R5FV46
UniRef90_B2GEM0
UniRef90_R5J8I7
UniRef90_S5ZNV4
UniRef90_R5YF43
UniRef90_I7A450
UniRef90_R5VML6
UniRef90_A0A017PLC5
UniRef90_S7J2T1
UniRef90_R5MVT6
UniRef90_U7PGI1
UniRef90_UPI0001E898F9
UniRef90_S5YAH9
UniRef90_M1E9G0
UniRef90_D7WNX5
UniRef90_UPI0002D82E86
UniRef90_C7JD92
UniRef90_I4YTP9
UniRef90_UPI00047582BE
UniRef90_C3WGK0
UniRef90_R7M5A3
UniRef90_UPI000407450D
UniRef90_B0UMQ5
UniRef90_W0J2L8
UniRef90_UPI0002E9D122
UniRef90_M7NFQ7
UniRef90_F0LCR3
UniRef90_W8ACT7
UniRef90_B9EBZ0
UniRef90_R5X9Y4
UniRef90_D7A5A1
UniRef90_UPI00039BFB21
UniRef90_T3G003
UniRef90_UPI000477CAB8
UniRef90_I7L4K4
UniRef90_R5MTB4
UniRef90_M9R3H1
UniRef90_A8MM51
UniRef90_I0C490
UniRef90_R5RFN6
UniRef90_W6RZJ1
UniRef90_UPI000317F473
UniRef90_R7BHQ1
UniRef90_L0A7H5
UniRef90_B6JC09
UniRef90_V9G8N5
UniRef90_E8SH03
UniRef90_A0A023D6Z2
UniRef90_UPI000225AEEA
UniRef90_M2P8J2
UniRef90_U2JSU5
UniRef90_D0BLF9
UniRef90_B6ITZ6
UniRef90_Q5LTK1
UniRef90_A0LFN0
UniRef90_X0QB14
UniRef90_V7I0Z4
UniRef90_Q1WVT7
UniRef90_A8ILX1
UniRef90_R4Z4N1
UniRef90_U4THU8
UniRef90_N1ZSR9
UniRef90_B9Y5Y3
UniRef90_F0GVC0
UniRef90_U1FYE7
UniRef90_V4JAH9
UniRef90_UPI0002E1E755
UniRef90_D7N8V2
UniRef90_C5FA95
UniRef90_UPI00036EFE1A
UniRef90_A9NG69
UniRef90_UPI00046D937E
UniRef90_UPI000379E50F
UniRef90_M1P818
UniRef90_UPI0003675C6F
UniRef90_B5EI50
UniRef90_UPI0003900352

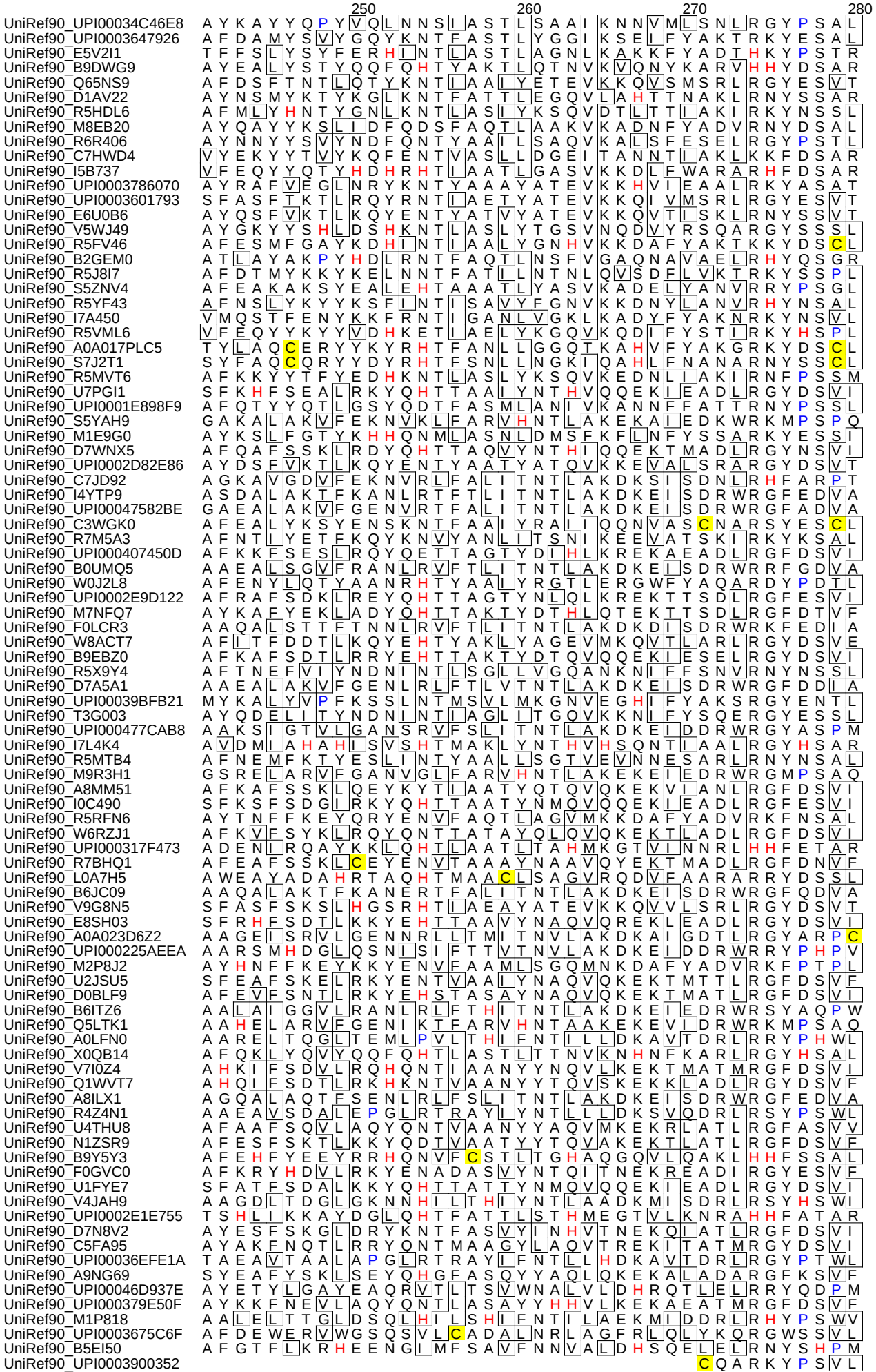

50
60
70
80
UniRef90_UPI00034C46E8
UniRef90_UPI0003647926
UniRef90_E5V2I1
UniRef90_B9DWG9
UniRef90_Q65NS9
UniRef90_D1AV22
UniRef90_R5HDL6
UniRef90_M8EB20
UniRef90_R6R406
UniRef90_C7HWD4
UniRef90_I5B737
UniRef90_UPI0003786070
UniRef90_UPI0003601793
UniRef90_E6U0B6
UniRef90_V5WJ49
UniRef90_R5FV46
UniRef90_B2GEM0
UniRef90_R5J8I7
UniRef90_S5ZNV4
UniRef90_R5YF43
UniRef90_I7A450
UniRef90_R5VML6
UniRef90_A0A017PLC5
UniRef90_S7J2T1
UniRef90_R5MVT6
UniRef90_U7PGI1
UniRef90_UPI0001E898F9
UniRef90_S5YAH9
UniRef90_M1E9G0
UniRef90_D7WNX5
UniRef90_UPI0002D82E86
UniRef90_C7JD92
UniRef90_I4YTP9
UniRef90_UPI00047582BE
UniRef90_C3WGK0
UniRef90_R7M5A3
UniRef90_UPI000407450D
UniRef90_B0UMQ5
UniRef90_W0J2L8
UniRef90_UPI0002E9D122
UniRef90_M7NFQ7
UniRef90_F0LCR3
UniRef90_W8ACT7
UniRef90_B9EBZ0
UniRef90_R5X9Y4
UniRef90_D7A5A1
UniRef90_UPI00039BFB21
UniRef90_T3G003
UniRef90_UPI000477CAB8
UniRef90_I7L4K4
UniRef90_R5MTB4
UniRef90_M9R3H1
UniRef90_A8MM51
UniRef90_I0C490
UniRef90_R5RFN6
UniRef90_W6RZJ1
UniRef90_UPI000317F473
UniRef90_R7BHQ1
UniRef90_L0A7H5
UniRef90_B6JC09
UniRef90_V9G8N5
UniRef90_E8SH03
UniRef90_A0A023D6Z2
UniRef90_UPI000225AEEA
UniRef90_M2P8J2
UniRef90_U2JSU5
UniRef90_D0BLF9
UniRef90_B6ITZ6
UniRef90_Q5LTK1
UniRef90_A0LFN0
UniRef90_X0QB14
UniRef90_V7I0Z4
UniRef90_Q1WVT7
UniRef90_A8ILX1
UniRef90_R4Z4N1
UniRef90_U4THU8
UniRef90_N1ZSR9
UniRef90_B9Y5Y3
UniRef90_F0GVC0
UniRef90_U1FYE7
UniRef90_V4JAH9
UniRef90_UPI0002E1E755
UniRef90_D7N8V2
UniRef90_C5FA95
UniRef90_UPI00036EFE1A
UniRef90_A9NG69
UniRef90_UPI00046D937E
UniRef90_UPI000379E50F
UniRef90_M1P818
UniRef90_UPI0003675C6F
UniRef90_B5EI50
UniRef90_UPI0003900352

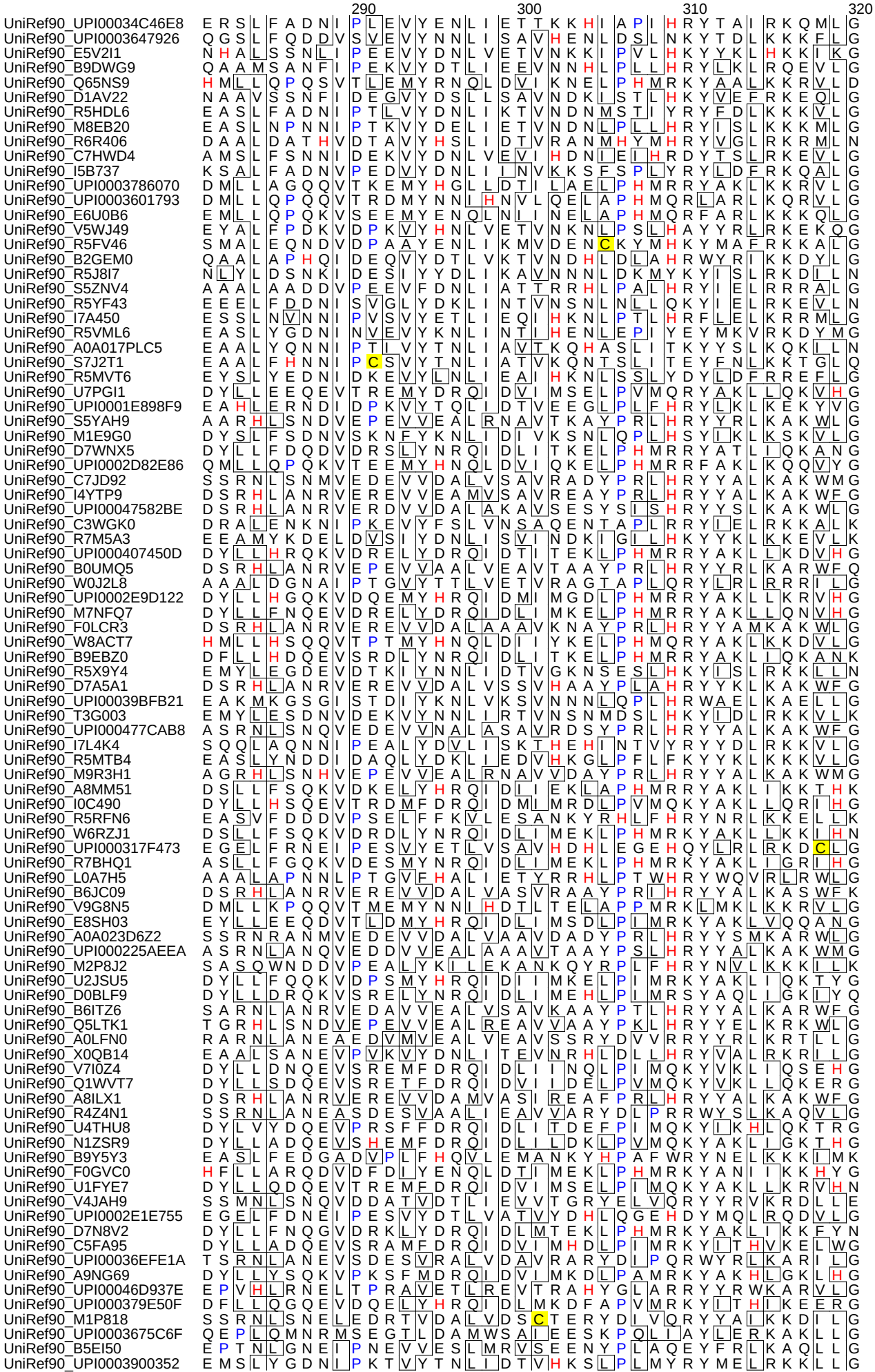

90
100
110
120
UniRef90_UPI00034C46E8
UniRef90_UPI0003647926
UniRef90_E5V2I1
UniRef90_B9DWG9
UniRef90_Q65NS9
UniRef90_D1AV22
UniRef90_R5HDL6
UniRef90_M8EB20
UniRef90_R6R406
UniRef90_C7HWD4
UniRef90_I5B737
UniRef90_UPI0003786070
UniRef90_UPI0003601793
UniRef90_E6U0B6
UniRef90_V5WJ49
UniRef90_R5FV46
UniRef90_B2GEM0
UniRef90_R5J8I7
UniRef90_S5ZNV4
UniRef90_R5YF43
UniRef90_I7A450
UniRef90_R5VML6
UniRef90_A0A017PLC5
UniRef90_S7J2T1
UniRef90_R5MVT6
UniRef90_U7PGI1
UniRef90_UPI0001E898F9
UniRef90_S5YAH9
UniRef90_M1E9G0
UniRef90_D7WNX5
UniRef90_UPI0002D82E86
UniRef90_C7JD92
UniRef90_I4YTP9
UniRef90_UPI00047582BE
UniRef90_C3WGK0
UniRef90_R7M5A3
UniRef90_UPI000407450D
UniRef90_B0UMQ5
UniRef90_W0J2L8
UniRef90_UPI0002E9D122
UniRef90_M7NFQ7
UniRef90_F0LCR3
UniRef90_W8ACT7
UniRef90_B9EBZ0
UniRef90_R5X9Y4
UniRef90_D7A5A1
UniRef90_UPI00039BFB21
UniRef90_T3G003
UniRef90_UPI000477CAB8
UniRef90_I7L4K4
UniRef90_R5MTB4
UniRef90_M9R3H1
UniRef90_A8MM51
UniRef90_I0C490
UniRef90_R5RFN6
UniRef90_W6RZJ1
UniRef90_UPI000317F473
UniRef90_R7BHQ1
UniRef90_L0A7H5
UniRef90_B6JC09
UniRef90_V9G8N5
UniRef90_E8SH03
UniRef90_A0A023D6Z2
UniRef90_UPI000225AEEA
UniRef90_M2P8J2
UniRef90_U2JSU5
UniRef90_D0BLF9
UniRef90_B6ITZ6
UniRef90_Q5LTK1
UniRef90_A0LFN0
UniRef90_X0QB14
UniRef90_V7I0Z4
UniRef90_Q1WVT7
UniRef90_A8ILX1
UniRef90_R4Z4N1
UniRef90_U4THU8
UniRef90_N1ZSR9
UniRef90_B9Y5Y3
UniRef90_F0GVC0
UniRef90_U1FYE7
UniRef90_V4JAH9
UniRef90_UPI0002E1E755
UniRef90_D7N8V2
UniRef90_C5FA95
UniRef90_UPI00036EFE1A
UniRef90_A9NG69
UniRef90_UPI00046D937E
UniRef90_UPI000379E50F
UniRef90_M1P818
UniRef90_UPI0003675C6F
UniRef90_B5EI50
UniRef90_UPI0003900352

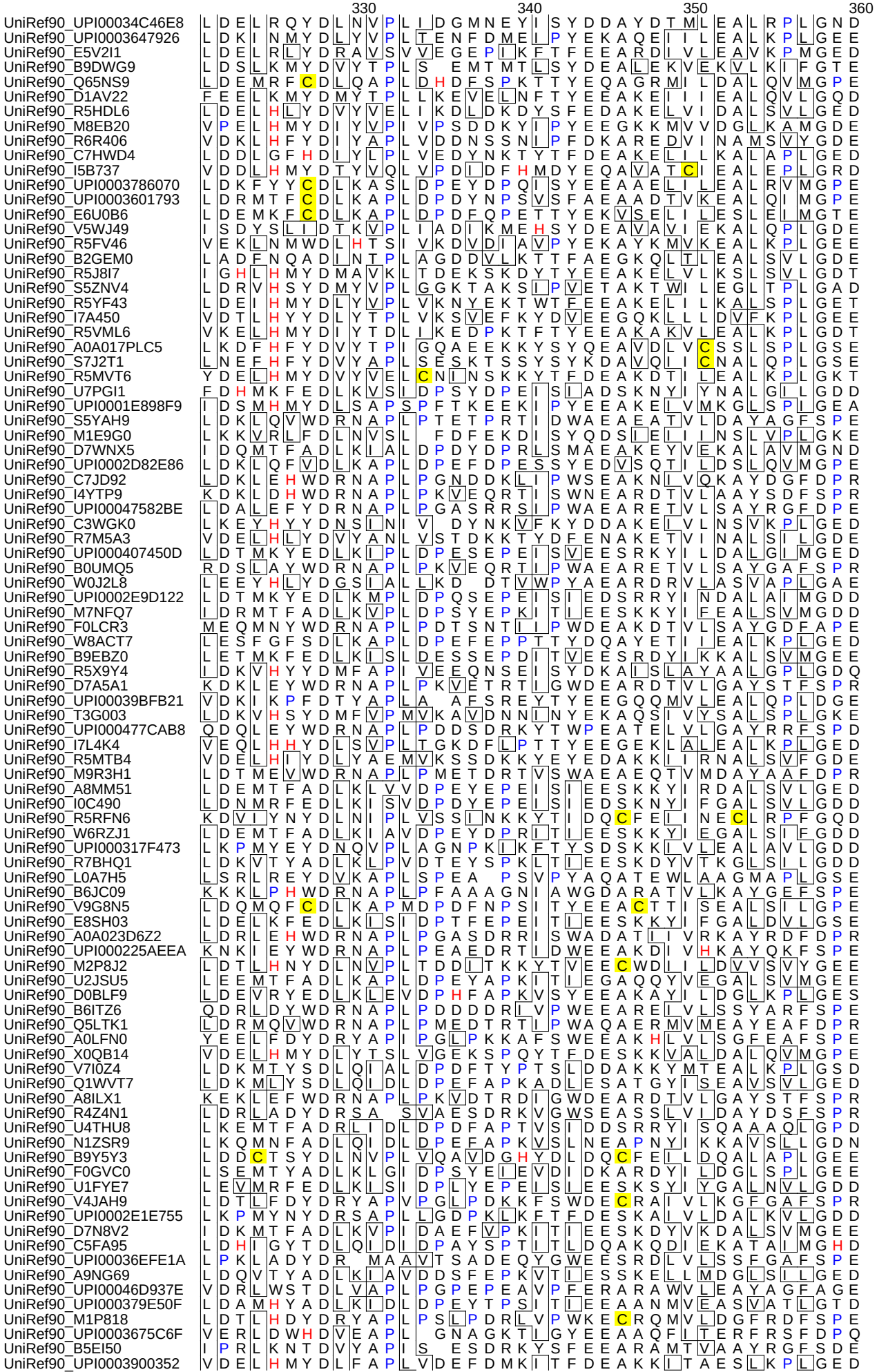

130
140
150
160
UniRef90_UPI00034C46E8
UniRef90_UPI0003647926
UniRef90_E5V2I1
UniRef90_B9DWG9
UniRef90_Q65NS9
UniRef90_D1AV22
UniRef90_R5HDL6
UniRef90_M8EB20
UniRef90_R6R406
UniRef90_C7HWD4
UniRef90_I5B737
UniRef90_UPI0003786070
UniRef90_UPI0003601793
UniRef90_E6U0B6
UniRef90_V5WJ49
UniRef90_R5FV46
UniRef90_B2GEM0
UniRef90_R5J8I7
UniRef90_S5ZNV4
UniRef90_R5YF43
UniRef90_I7A450
UniRef90_R5VML6
UniRef90_A0A017PLC5
UniRef90_S7J2T1
UniRef90_R5MVT6
UniRef90_U7PGI1
UniRef90_UPI0001E898F9
UniRef90_S5YAH9
UniRef90_M1E9G0
UniRef90_D7WNX5
UniRef90_UPI0002D82E86
UniRef90_C7JD92
UniRef90_I4YTP9
UniRef90_UPI00047582BE
UniRef90_C3WGK0
UniRef90_R7M5A3
UniRef90_UPI000407450D
UniRef90_B0UMQ5
UniRef90_W0J2L8
UniRef90_UPI0002E9D122
UniRef90_M7NFQ7
UniRef90_F0LCR3
UniRef90_W8ACT7
UniRef90_B9EBZ0
UniRef90_R5X9Y4
UniRef90_D7A5A1
UniRef90_UPI00039BFB21
UniRef90_T3G003
UniRef90_UPI000477CAB8
UniRef90_I7L4K4
UniRef90_R5MTB4
UniRef90_M9R3H1
UniRef90_A8MM51
UniRef90_I0C490
UniRef90_R5RFN6
UniRef90_W6RZJ1
UniRef90_UPI000317F473
UniRef90_R7BHQ1
UniRef90_L0A7H5
UniRef90_B6JC09
UniRef90_V9G8N5
UniRef90_E8SH03
UniRef90_A0A023D6Z2
UniRef90_UPI000225AEEA
UniRef90_M2P8J2
UniRef90_U2JSU5
UniRef90_D0BLF9
UniRef90_B6ITZ6
UniRef90_Q5LTK1
UniRef90_A0LFN0
UniRef90_X0QB14
UniRef90_V7I0Z4
UniRef90_Q1WVT7
UniRef90_A8ILX1
UniRef90_R4Z4N1
UniRef90_U4THU8
UniRef90_N1ZSR9
UniRef90_B9Y5Y3
UniRef90_F0GVC0
UniRef90_U1FYE7
UniRef90_V4JAH9
UniRef90_UPI0002E1E755
UniRef90_D7N8V2
UniRef90_C5FA95
UniRef90_UPI00036EFE1A
UniRef90_A9NG69
UniRef90_UPI00046D937E
UniRef90_UPI000379E50F
UniRef90_M1P818
UniRef90_UPI0003675C6F
UniRef90_B5EI50
UniRef90_UPI0003900352

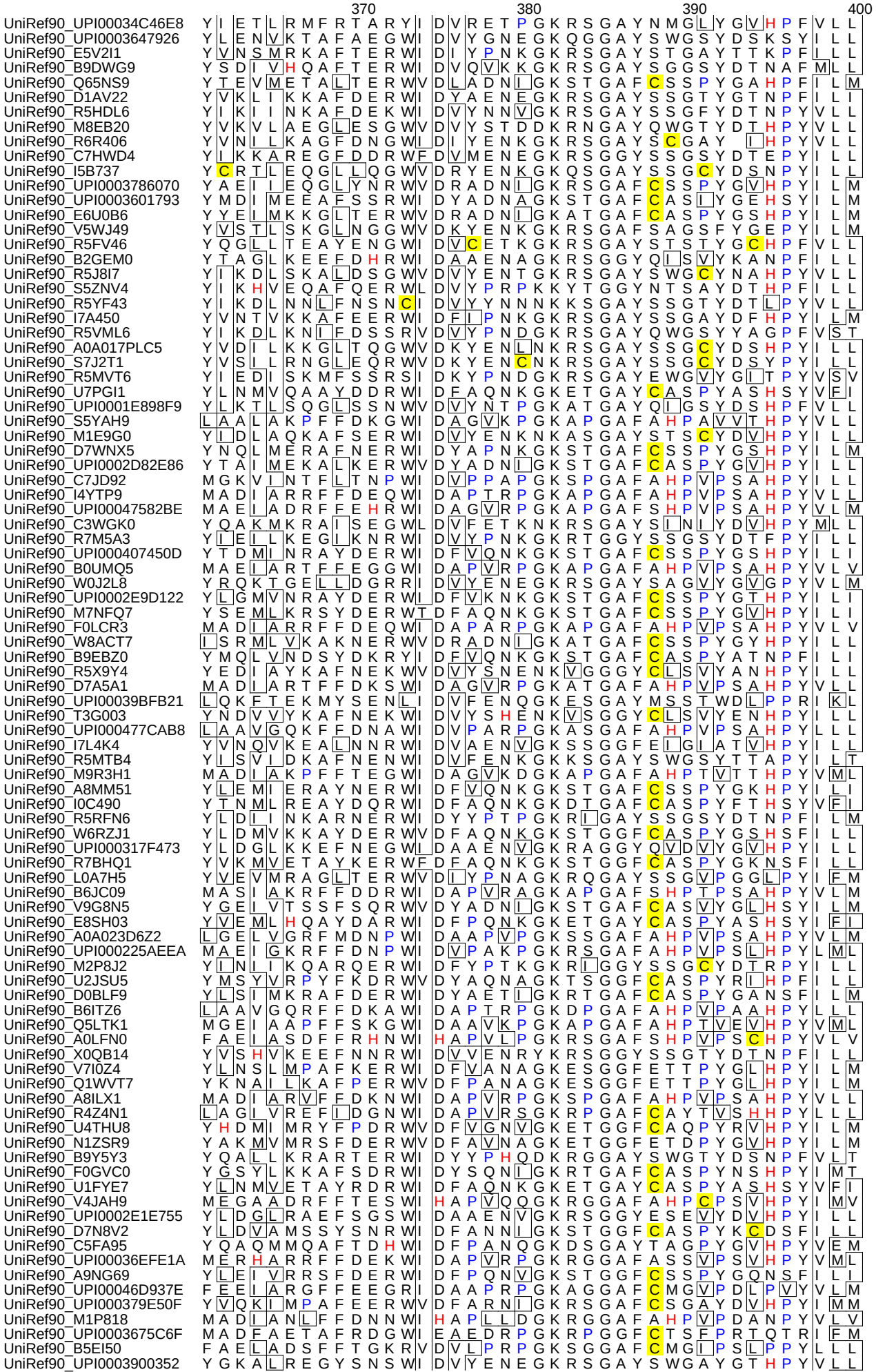

170
180
190
200
UniRef90_UPI00034C46E8
UniRef90_UPI0003647926
UniRef90_E5V2I1
UniRef90_B9DWG9
UniRef90_Q65NS9
UniRef90_D1AV22
UniRef90_R5HDL6
UniRef90_M8EB20
UniRef90_R6R406
UniRef90_C7HWD4
UniRef90_I5B737
UniRef90_UPI0003786070
UniRef90_UPI0003601793
UniRef90_E6U0B6
UniRef90_V5WJ49
UniRef90_R5FV46
UniRef90_B2GEM0
UniRef90_R5J8I7
UniRef90_S5ZNV4
UniRef90_R5YF43
UniRef90_I7A450
UniRef90_R5VML6
UniRef90_A0A017PLC5
UniRef90_S7J2T1
UniRef90_R5MVT6
UniRef90_U7PGI1
UniRef90_UPI0001E898F9
UniRef90_S5YAH9
UniRef90_M1E9G0
UniRef90_D7WNX5
UniRef90_UPI0002D82E86
UniRef90_C7JD92
UniRef90_I4YTP9
UniRef90_UPI00047582BE
UniRef90_C3WGK0
UniRef90_R7M5A3
UniRef90_UPI000407450D
UniRef90_B0UMQ5
UniRef90_W0J2L8
UniRef90_UPI0002E9D122
UniRef90_M7NFQ7
UniRef90_F0LCR3
UniRef90_W8ACT7
UniRef90_B9EBZ0
UniRef90_R5X9Y4
UniRef90_D7A5A1
UniRef90_UPI00039BFB21
UniRef90_T3G003
UniRef90_UPI000477CAB8
UniRef90_I7L4K4
UniRef90_R5MTB4
UniRef90_M9R3H1
UniRef90_A8MM51
UniRef90_I0C490
UniRef90_R5RFN6
UniRef90_W6RZJ1
UniRef90_UPI000317F473
UniRef90_R7BHQ1
UniRef90_L0A7H5
UniRef90_B6JC09
UniRef90_V9G8N5
UniRef90_E8SH03
UniRef90_A0A023D6Z2
UniRef90_UPI000225AEEA
UniRef90_M2P8J2
UniRef90_U2JSU5
UniRef90_D0BLF9
UniRef90_B6ITZ6
UniRef90_Q5LTK1
UniRef90_A0LFN0
UniRef90_X0QB14
UniRef90_V7I0Z4
UniRef90_Q1WVT7
UniRef90_A8ILX1
UniRef90_R4Z4N1
UniRef90_U4THU8
UniRef90_N1ZSR9
UniRef90_B9Y5Y3
UniRef90_F0GVC0
UniRef90_U1FYE7
UniRef90_V4JAH9
UniRef90_UPI0002E1E755
UniRef90_D7N8V2
UniRef90_C5FA95
UniRef90_UPI00036EFE1A
UniRef90_A9NG69
UniRef90_UPI00046D937E
UniRef90_UPI000379E50F
UniRef90_M1P818
UniRef90_UPI0003675C6F
UniRef90_B5EI50
UniRef90_UPI0003900352

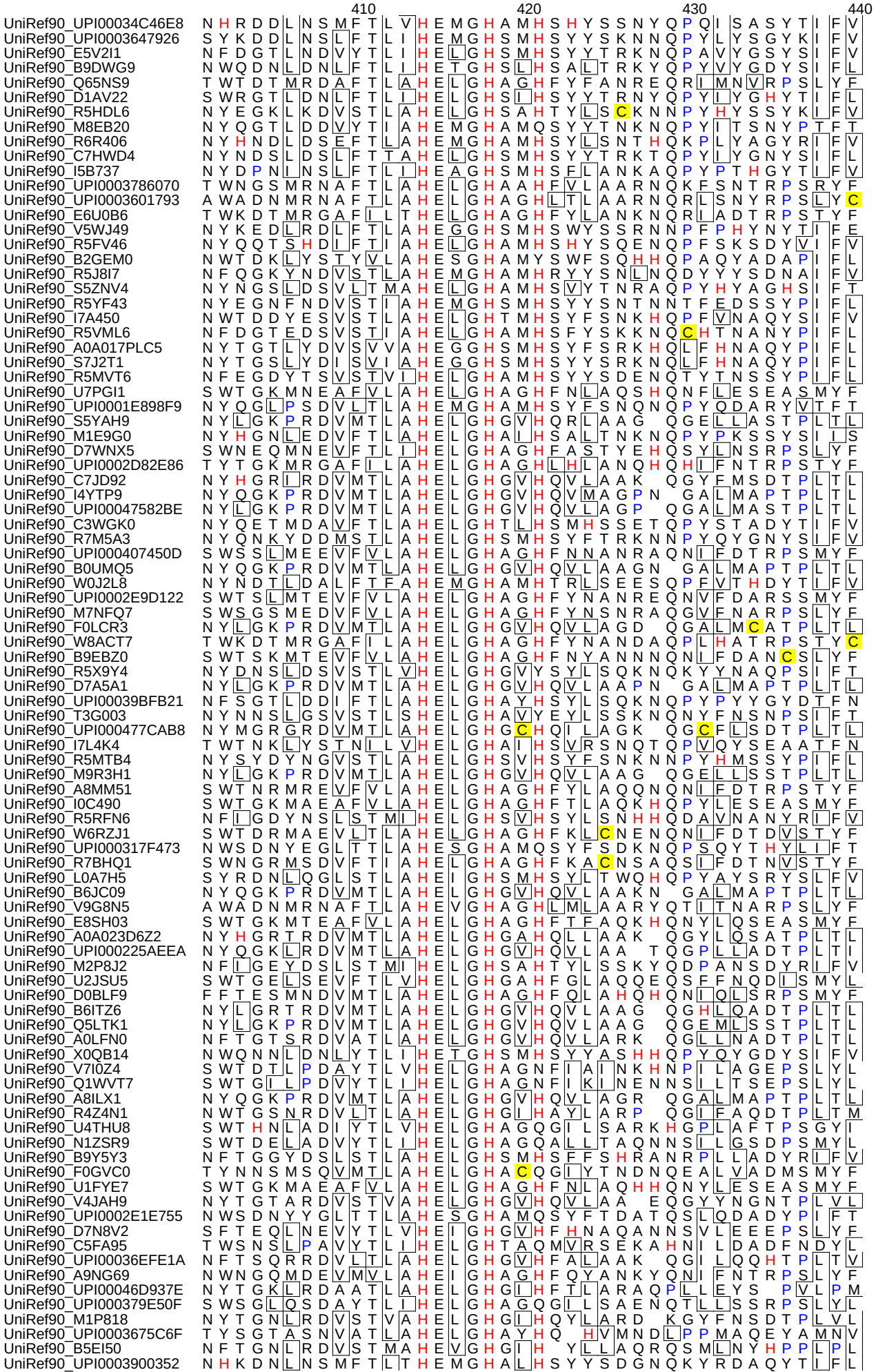

210
220
230
240
UniRef90_UPI00034C46E8
UniRef90_UPI0003647926
UniRef90_E5V2I1
UniRef90_B9DWG9
UniRef90_Q65NS9
UniRef90_D1AV22
UniRef90_R5HDL6
UniRef90_M8EB20
UniRef90_R6R406
UniRef90_C7HWD4
UniRef90_I5B737
UniRef90_UPI0003786070
UniRef90_UPI0003601793
UniRef90_E6U0B6
UniRef90_V5WJ49
UniRef90_R5FV46
UniRef90_B2GEM0
UniRef90_R5J8I7
UniRef90_S5ZNV4
UniRef90_R5YF43
UniRef90_I7A450
UniRef90_R5VML6
UniRef90_A0A017PLC5
UniRef90_S7J2T1
UniRef90_R5MVT6
UniRef90_U7PGI1
UniRef90_UPI0001E898F9
UniRef90_S5YAH9
UniRef90_M1E9G0
UniRef90_D7WNX5
UniRef90_UPI0002D82E86
UniRef90_C7JD92
UniRef90_I4YTP9
UniRef90_UPI00047582BE
UniRef90_C3WGK0
UniRef90_R7M5A3
UniRef90_UPI000407450D
UniRef90_B0UMQ5
UniRef90_W0J2L8
UniRef90_UPI0002E9D122
UniRef90_M7NFQ7
UniRef90_F0LCR3
UniRef90_W8ACT7
UniRef90_B9EBZ0
UniRef90_R5X9Y4
UniRef90_D7A5A1
UniRef90_UPI00039BFB21
UniRef90_T3G003
UniRef90_UPI000477CAB8
UniRef90_I7L4K4
UniRef90_R5MTB4
UniRef90_M9R3H1
UniRef90_A8MM51
UniRef90_I0C490
UniRef90_R5RFN6
UniRef90_W6RZJ1
UniRef90_UPI000317F473
UniRef90_R7BHQ1
UniRef90_L0A7H5
UniRef90_B6JC09
UniRef90_V9G8N5
UniRef90_E8SH03
UniRef90_A0A023D6Z2
UniRef90_UPI000225AEEA
UniRef90_M2P8J2
UniRef90_U2JSU5
UniRef90_D0BLF9
UniRef90_B6ITZ6
UniRef90_Q5LTK1
UniRef90_A0LFN0
UniRef90_X0QB14
UniRef90_V7I0Z4
UniRef90_Q1WVT7
UniRef90_A8ILX1
UniRef90_R4Z4N1
UniRef90_U4THU8
UniRef90_N1ZSR9
UniRef90_B9Y5Y3
UniRef90_F0GVC0
UniRef90_U1FYE7
UniRef90_V4JAH9
UniRef90_UPI0002E1E755
UniRef90_D7N8V2
UniRef90_C5FA95
UniRef90_UPI00036EFE1A
UniRef90_A9NG69
UniRef90_UPI00046D937E
UniRef90_UPI000379E50F
UniRef90_M1P818
UniRef90_UPI0003675C6F
UniRef90_B5EI50
UniRef90_UPI0003900352

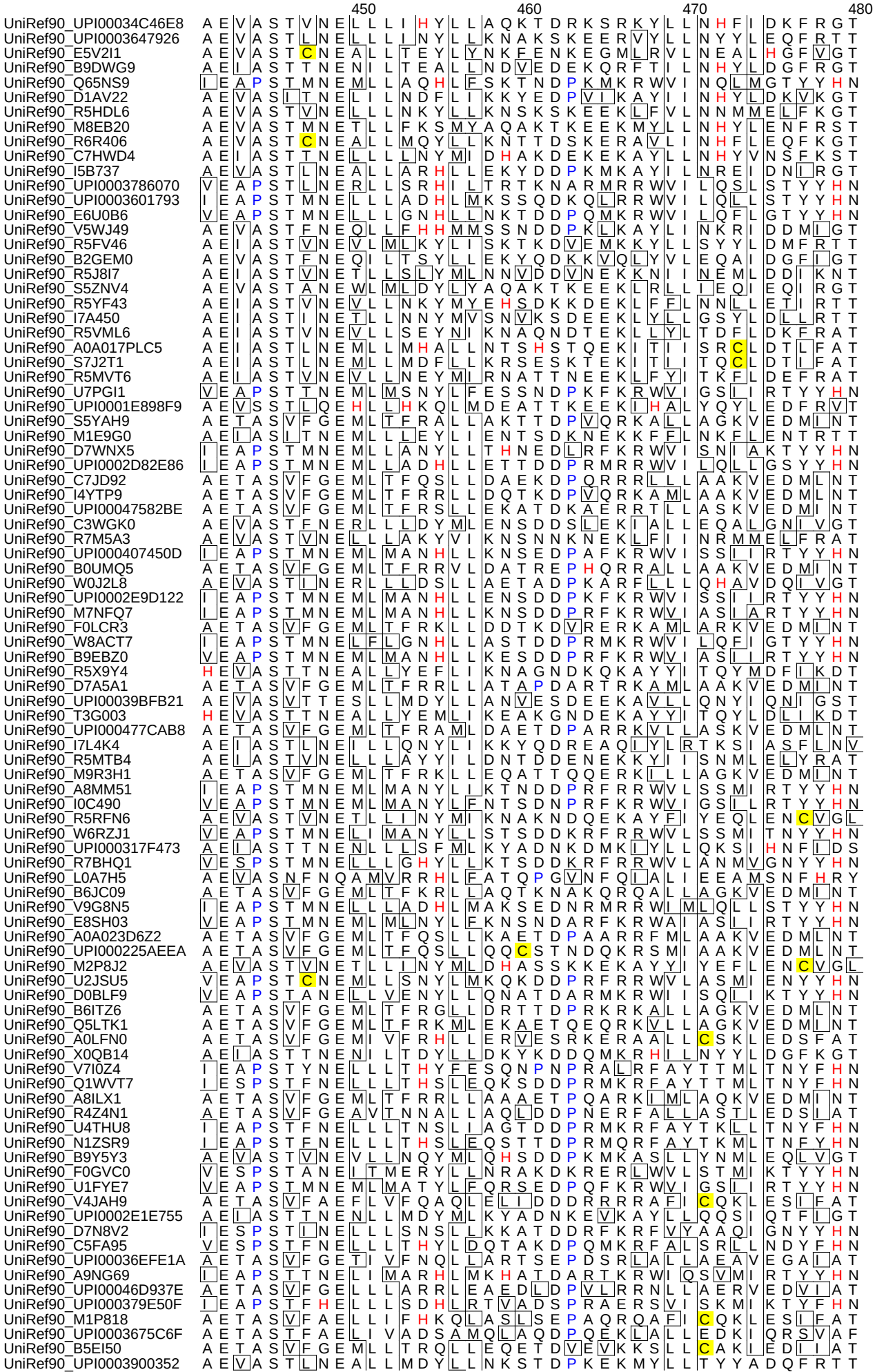

250
260
270
280
UniRef90_UPI00034C46E8
UniRef90_UPI0003647926
UniRef90_E5V2I1
UniRef90_B9DWG9
UniRef90_Q65NS9
UniRef90_D1AV22
UniRef90_R5HDL6
UniRef90_M8EB20
UniRef90_R6R406
UniRef90_C7HWD4
UniRef90_I5B737
UniRef90_UPI0003786070
UniRef90_UPI0003601793
UniRef90_E6U0B6
UniRef90_V5WJ49
UniRef90_R5FV46
UniRef90_B2GEM0
UniRef90_R5J8I7
UniRef90_S5ZNV4
UniRef90_R5YF43
UniRef90_I7A450
UniRef90_R5VML6
UniRef90_A0A017PLC5
UniRef90_S7J2T1
UniRef90_R5MVT6
UniRef90_U7PGI1
UniRef90_UPI0001E898F9
UniRef90_S5YAH9
UniRef90_M1E9G0
UniRef90_D7WNX5
UniRef90_UPI0002D82E86
UniRef90_C7JD92
UniRef90_I4YTP9
UniRef90_UPI00047582BE
UniRef90_C3WGK0
UniRef90_R7M5A3
UniRef90_UPI000407450D
UniRef90_B0UMQ5
UniRef90_W0J2L8
UniRef90_UPI0002E9D122
UniRef90_M7NFQ7
UniRef90_F0LCR3
UniRef90_W8ACT7
UniRef90_B9EBZ0
UniRef90_R5X9Y4
UniRef90_D7A5A1
UniRef90_UPI00039BFB21
UniRef90_T3G003
UniRef90_UPI000477CAB8
UniRef90_I7L4K4
UniRef90_R5MTB4
UniRef90_M9R3H1
UniRef90_A8MM51
UniRef90_I0C490
UniRef90_R5RFN6
UniRef90_W6RZJ1
UniRef90_UPI000317F473
UniRef90_R7BHQ1
UniRef90_L0A7H5
UniRef90_B6JC09
UniRef90_V9G8N5
UniRef90_E8SH03
UniRef90_A0A023D6Z2
UniRef90_UPI000225AEEA
UniRef90_M2P8J2
UniRef90_U2JSU5
UniRef90_D0BLF9
UniRef90_B6ITZ6
UniRef90_Q5LTK1
UniRef90_A0LFN0
UniRef90_X0QB14
UniRef90_V7I0Z4
UniRef90_Q1WVT7
UniRef90_A8ILX1
UniRef90_R4Z4N1
UniRef90_U4THU8
UniRef90_N1ZSR9
UniRef90_B9Y5Y3
UniRef90_F0GVC0
UniRef90_U1FYE7
UniRef90_V4JAH9
UniRef90_UPI0002E1E755
UniRef90_D7N8V2
UniRef90_C5FA95
UniRef90_UPI00036EFE1A
UniRef90_A9NG69
UniRef90_UPI00046D937E
UniRef90_UPI000379E50F
UniRef90_M1P818
UniRef90_UPI0003675C6F
UniRef90_B5EI50
UniRef90_UPI0003900352

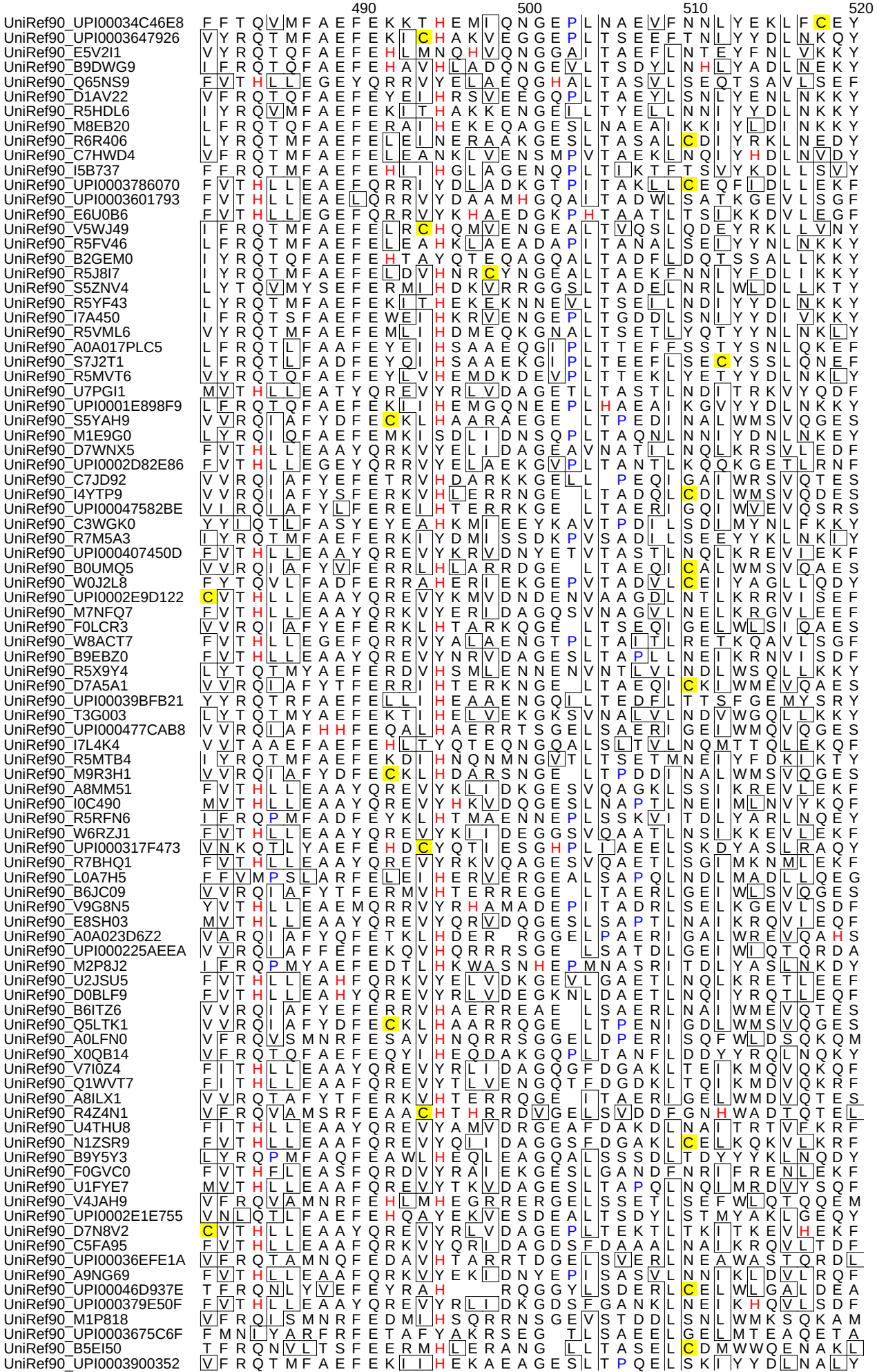

290
300
310
320
UniRef90_UPI00034C46E8
UniRef90_UPI0003647926
UniRef90_E5V2I1
UniRef90_B9DWG9
UniRef90_Q65NS9
UniRef90_D1AV22
UniRef90_R5HDL6
UniRef90_M8EB20
UniRef90_R6R406
UniRef90_C7HWD4
UniRef90_I5B737
UniRef90_UPI0003786070
UniRef90_UPI0003601793
UniRef90_E6U0B6
UniRef90_V5WJ49
UniRef90_R5FV46
UniRef90_B2GEM0
UniRef90_R5J8I7
UniRef90_S5ZNV4
UniRef90_R5YF43
UniRef90_I7A450
UniRef90_R5VML6
UniRef90_A0A017PLC5
UniRef90_S7J2T1
UniRef90_R5MVT6
UniRef90_U7PGI1
UniRef90_UPI0001E898F9
UniRef90_S5YAH9
UniRef90_M1E9G0
UniRef90_D7WNX5
UniRef90_UPI0002D82E86
UniRef90_C7JD92
UniRef90_I4YTP9
UniRef90_UPI00047582BE
UniRef90_C3WGK0
UniRef90_R7M5A3
UniRef90_UPI000407450D
UniRef90_B0UMQ5
UniRef90_W0J2L8
UniRef90_UPI0002E9D122
UniRef90_M7NFQ7
UniRef90_F0LCR3
UniRef90_W8ACT7
UniRef90_B9EBZ0
UniRef90_R5X9Y4
UniRef90_D7A5A1
UniRef90_UPI00039BFB21
UniRef90_T3G003
UniRef90_UPI000477CAB8
UniRef90_I7L4K4
UniRef90_R5MTB4
UniRef90_M9R3H1
UniRef90_A8MM51
UniRef90_I0C490
UniRef90_R5RFN6
UniRef90_W6RZJ1
UniRef90_UPI000317F473
UniRef90_R7BHQ1
UniRef90_L0A7H5
UniRef90_B6JC09
UniRef90_V9G8N5
UniRef90_E8SH03
UniRef90_A0A023D6Z2
UniRef90_UPI000225AEEA
UniRef90_M2P8J2
UniRef90_U2JSU5
UniRef90_D0BLF9
UniRef90_B6ITZ6
UniRef90_Q5LTK1
UniRef90_A0LFN0
UniRef90_X0QB14
UniRef90_V7I0Z4
UniRef90_Q1WVT7
UniRef90_A8ILX1
UniRef90_R4Z4N1
UniRef90_U4THU8
UniRef90_N1ZSR9
UniRef90_B9Y5Y3
UniRef90_F0GVC0
UniRef90_U1FYE7
UniRef90_V4JAH9
UniRef90_UPI0002E1E755
UniRef90_D7N8V2
UniRef90_C5FA95
UniRef90_UPI00036EFE1A
UniRef90_A9NG69
UniRef90_UPI00046D937E
UniRef90_UPI000379E50F
UniRef90_M1P818
UniRef90_UPI0003675C6F
UniRef90_B5EI50
UniRef90_UPI0003900352

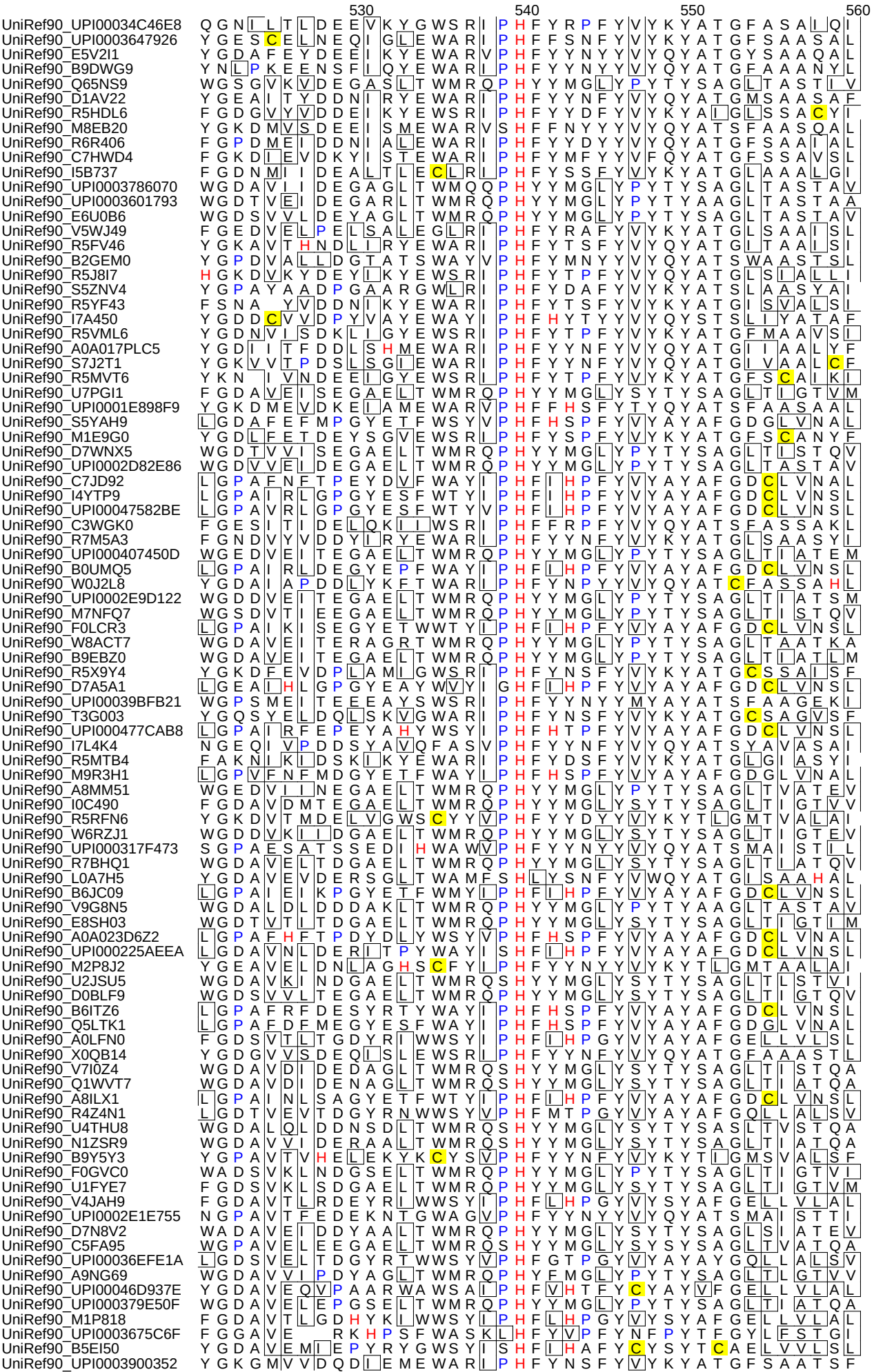

330
340
350
360
UniRef90_UPI00034C46E8
UniRef90_UPI0003647926
UniRef90_E5V2I1
UniRef90_B9DWG9
UniRef90_Q65NS9
UniRef90_D1AV22
UniRef90_R5HDL6
UniRef90_M8EB20
UniRef90_R6R406
UniRef90_C7HWD4
UniRef90_I5B737
UniRef90_UPI0003786070
UniRef90_UPI0003601793
UniRef90_E6U0B6
UniRef90_V5WJ49
UniRef90_R5FV46
UniRef90_B2GEM0
UniRef90_R5J8I7
UniRef90_S5ZNV4
UniRef90_R5YF43
UniRef90_I7A450
UniRef90_R5VML6
UniRef90_A0A017PLC5
UniRef90_S7J2T1
UniRef90_R5MVT6
UniRef90_U7PGI1
UniRef90_UPI0001E898F9
UniRef90_S5YAH9
UniRef90_M1E9G0
UniRef90_D7WNX5
UniRef90_UPI0002D82E86
UniRef90_C7JD92
UniRef90_I4YTP9
UniRef90_UPI00047582BE
UniRef90_C3WGK0
UniRef90_R7M5A3
UniRef90_UPI000407450D
UniRef90_B0UMQ5
UniRef90_W0J2L8
UniRef90_UPI0002E9D122
UniRef90_M7NFQ7
UniRef90_F0LCR3
UniRef90_W8ACT7
UniRef90_B9EBZ0
UniRef90_R5X9Y4
UniRef90_D7A5A1
UniRef90_UPI00039BFB21
UniRef90_T3G003
UniRef90_UPI000477CAB8
UniRef90_I7L4K4
UniRef90_R5MTB4
UniRef90_M9R3H1
UniRef90_A8MM51
UniRef90_I0C490
UniRef90_R5RFN6
UniRef90_W6RZJ1
UniRef90_UPI000317F473
UniRef90_R7BHQ1
UniRef90_L0A7H5
UniRef90_B6JC09
UniRef90_V9G8N5
UniRef90_E8SH03
UniRef90_A0A023D6Z2
UniRef90_UPI000225AEEA
UniRef90_M2P8J2
UniRef90_U2JSU5
UniRef90_D0BLF9
UniRef90_B6ITZ6
UniRef90_Q5LTK1
UniRef90_A0LFN0
UniRef90_X0QB14
UniRef90_V7I0Z4
UniRef90_Q1WVT7
UniRef90_A8ILX1
UniRef90_R4Z4N1
UniRef90_U4THU8
UniRef90_N1ZSR9
UniRef90_B9Y5Y3
UniRef90_F0GVC0
UniRef90_U1FYE7
UniRef90_V4JAH9
UniRef90_UPI0002E1E755
UniRef90_D7N8V2
UniRef90_C5FA95
UniRef90_UPI00036EFE1A
UniRef90_A9NG69
UniRef90_UPI00046D937E
UniRef90_UPI000379E50F
UniRef90_M1P818
UniRef90_UPI0003675C6F
UniRef90_B5EI50
UniRef90_UPI0003900352

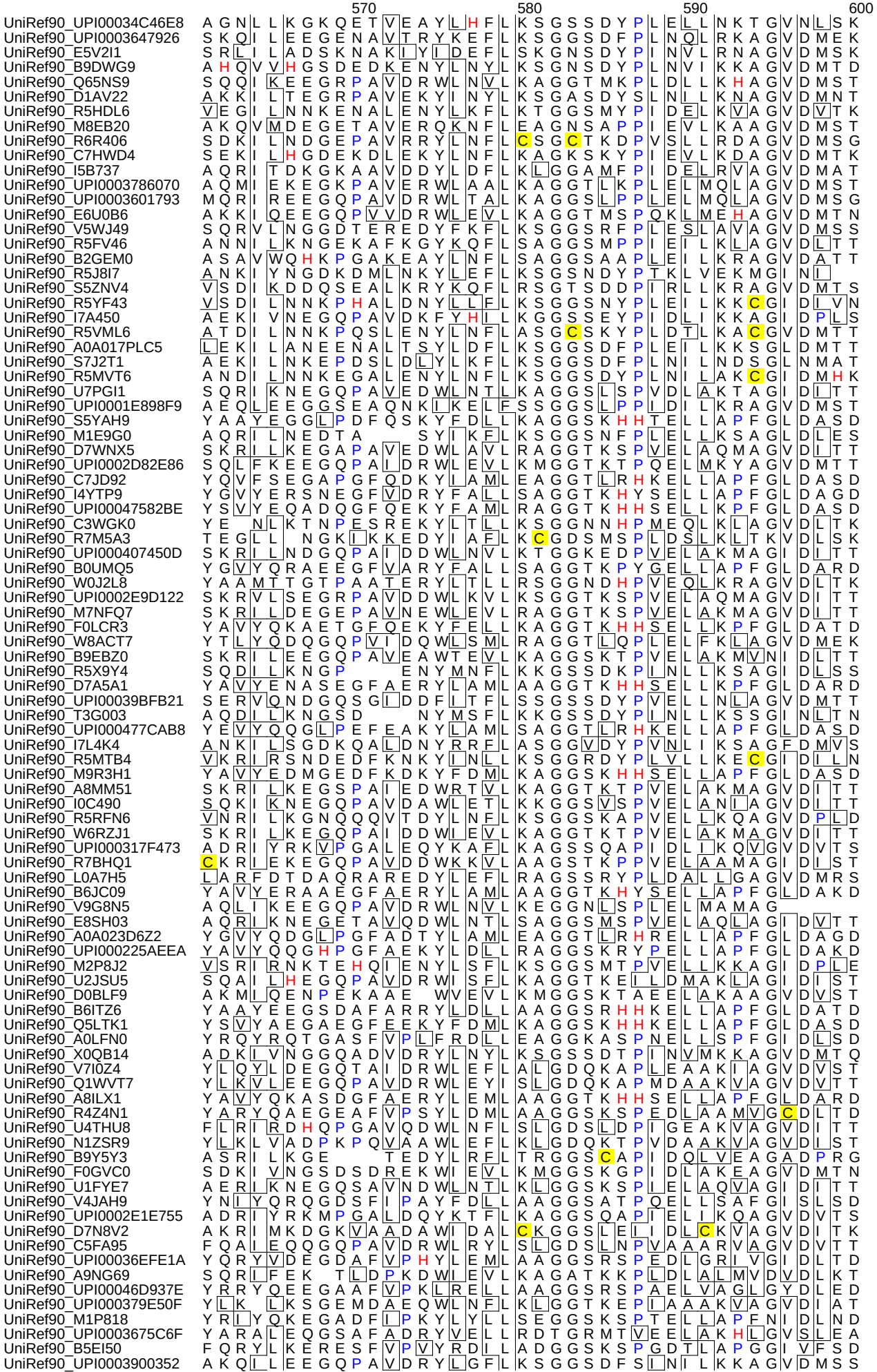

370
380
390
400
UniRef90_UPI00034C46E8 YIETLRMFRTARYI DVRETPGKRSGAYNMGLYGVHPFVLL
UniRef90_UPI0003647926 YLENVKTAFAEGWI DVYGNEGKQGGAYSWGSYDSKSYILL
UniRef90_E5V2I1 YVNSMRKAFTERWI DIYPNKGKRSGAYSTGAYTTKPFILL
UniRef90_B9DWG9 YSDIVHQAFTERWI DVQVKKGKRSGAYSGGSYDTNAFMLL
UniRef90_Q65NS9 YTEVMETALTERWV DLADNIGKSTGAFCSSPYGAHPFILM
UniRef90_D1AV22 YVKLIKKAFDERWI DYAENEGKRSGAYSSGTYGTNPFILI
UniRef90_R5HDL6 YIKIINKAFDEKWI DVYNNVGKRSGAYSSGFYDTNPYVLL
UniRef90_M8EB20 YVKVLAEGLESGWV DVYSTDDKRNGAYQWGTYDTHPYVLL
UniRef90_R6R406 YVNILKAGFDNGWI DIYENKGKRSGAYSCGAY IHPYVLL
UniRef90_C7HWD4 YIKKARE GFDDRWF DVMENEGKRSGGYSSGSYDTEPYILL
UniRef90_I5B737 YCRTLEQGLLQGWV DRYENKGKQSGAYSSGCYDSNPYILL
UniRef90_UPI0003786070 YAEIIEQGLYNRWV DRADNIGKRSGAFCSSPYGVHPYILM
UniRef90_UPI0003601793 YMDIMEEAFSSRWI DYADNAGKSTGAFCASIYGEHSYILM
UniRef90_E6U0B6 YYEIMKKGLTERWV DRADNIGKATGAFCASPYGSHPYILM
UniRef90_V5WJ49 YVSTLSKGLNGGWV DKYENKGKRSGAFSAGSFYGEPYILM
UniRef90_R5FV46 YQGLLTEAYENGWI DVCETKGKRSGAYSTSTYGCHPFVLL
UniRef90_B2GEM0 YTAGLKEEFDHRWI DAAENAGKRSGGYQISVYKANPFILL
UniRef90_R5J8I7 YIKDLSKALDSGWV DVYENTGKRSGAYSWGCYNAHPYVLL
UniRef90_S5ZNV4 YIKHVEQAFQERWL DVYPRPKKYTGGYNTSAYDTHPFILL
UniRef90_R5YF43 YIKDLNNLFNSNCI DVYYNNNKKSGAYSSGTYDTLPYVLL
UniRef90_I7A450 YVNTVKKAFEERWI DFIPNKGKRSGAYSSGAYDFHPYILM
UniRef90_R5VML6 YIKDLKNIFDSSRV DVYPNDGKRSGAYQWGSYYAGPFVST
UniRef90_A0A017PLC5 YVDILKKGLTQGWV DKYENLNKRSGAYSSGCYDSHPYILL
UniRef90_S7J2T1 YVSILRNGLEQRWV DKYENCNKRSGAYSSGCYDSYPYILL
UniRef90_R5MVT6 YIEDISKMFSSRSI DKYPNDGKRSGAYEWGVYGITPYVSV
UniRef90_U7PGI1 YLNMVQAAYDDRWI DFAQNKGKETGAYCASPYASHSYVFI
UniRef90_UPI0001E898F9 YLKTLSQGLSSNWV DVYNTPGKATGAYQIGSYDSHPFVLL
UniRef90_S5YAH9 LAALAKPFFDKGWI DAGVKPGKAPGAFAHPAVVTHPYVLL
UniRef90_M1E9G0 YIDLAQKAFSERWI DVYENKNKASGAYSTSCYDVHPYILL
UniRef90_D7WNX5 YNQLMERAFNERWI DYAPNKGKSTGAFCSSPYGSHPYILM
UniRef90_UPI0002D82E86 YTAIMEKALKERWV DYADNIGKSTGAFCASPYGVHPYILL
UniRef90_C7JD92 MGKVINTFLTNPWI DVPPAPGKSPGAFAHPVPSAHPYILL
UniRef90_I4YTP9 MADIARRFFDEQWI DAPTRPGKAPGAFAHPVPSAHPYVLL
UniRef90_UPI00047582BE MAEIADRFFEHRWI DAGVRPGKAPGAFSHPVPSAHPYVLM
UniRef90_C3WGK0 YQAKMKRAISEGWL DVFETKNKRSGAYSINIYDVHPYMLL
UniRef90_R7M5A3 YIEILKEGLKNRWI DVYPNKGKRTGGYSSGSYDTFPYILL
UniRef90_UPI000407450D YTDMINRAYDERWI DFVQNKGKSTGAFCSSPYGSHPYILI
UniRef90_B0UMQ5 MAEIARTFFEGGWI DAPVRPGKAPGAFAHPVPSAHPYVLV
UniRef90_W0J2L8 YRQKTGELLDGRRI DVYENEGKRSGAYSAGVYGVGPYVLM
UniRef90_UPI0002E9D122 YLGMVNRAYDERWI DFVKNKGKSTGAFCSSPYGTHPYILI
UniRef90_M7NFQ7 YSEMLKRSYDERWT DFAQNKGKSTGAFCSSPYGVHPYILI
UniRef90_F0LCR3 MADIARRFFDEQWI DAPARPGKAPGAFAHPVPSAHPYVLV
UniRef90_W8ACT7 ISRMLVKAKNERWV DRADNIGKATGAFCSSPYGYHPYILL
UniRef90_B9EBZ0 YMQLVNDSYDKRYI DFVQNKGKSTGAFCASPYATNPFILI
UniRef90_R5X9Y4 YEDIAYKAFNEKWV DVYSNENKVGGGYCLSVYANHPYILL
UniRef90_D7A5A1 MADIARTFFDKSWI DAGVRPGKATGAFAHPVPSAHPYVLL
UniRef90_UPI00039BFB21 LQKFTEKMYSENLI DVFENQGKESGAYMSSTWDLPPRIKL
UniRef90_T3G003 YNDVVYKAFNEKWI DVYSHENKVSGGYCLSVYENHPYILL
UniRef90_UPI000477CAB8 LAAVGQKFFDNAWI DVPARPGKASGAFAHPVPSAHPYLLL
UniRef90_I7L4K4 YVNQVKEALNNRWI DVAENVGKSSGGFEIGIATVHPYILL
UniRef90_R5MTB4 YISVIDKAFNENWI DVFENKGKKSGAYSWGSYTTAPYILT
UniRef90_M9R3H1 MADIAKPFFTEGWI DAGVKDGKAPGAFAHPTVTTHPYVML
UniRef90_A8MM51 YLEMIERAYNERWI DFVQNKGKSTGAFCSSPYGKHPYILI
UniRef90_I0C490 YTNMLREAYDQRWI DFAQNKGKDTGAFCASPYFTHSYVFI
UniRef90_R5RFN6 YLDII NKARNERWI DYYPTPGKRIGAYSSGSYDTNPFILM
UniRef90_W6RZJ1 YLDMVKKAYDERWV DFAQNKGKSTGGFCASPYGSHSFILL
UniRef90_UPI000317F473 YLDGLKEFNEGWI DAAENVGKRAGGYQVDVYGVHPYILL
UniRef90_R7BHQ1 YVKMVETAYKERWF DFAQNKGKSTGGFCASPYGKNSFILL
UniRef90_L0A7H5 YVEVMRAGLTERWV DIYPNAGKRQGAYSSGVPGGLPYIFM
UniRef90_B6JC09 MASIAKRFFDDRWI DAPVRAGKAPGAFSHPTPSAHPYVLM
UniRef90_V9G8N5 YGEIVTSSFSQRWV DYADNIGKSTGAFCASVYGLHSYILM
UniRef90_E8SH03 YVEMLHQAYDARWI DFPQNKGKETGAYCASPYASHSYIFI
UniRef90_A0A023D6Z2 LGELVGRFMDNPWI DAAPVPGKSSGAFAHPVPSAHPYVLM
UniRef90_UPI000225AEEA MAEIGKRFFDNPWI DVPAKPGKRSGAFAHPVPSLHPYLML
UniRef90_M2P8J2 YINIIKQARQERWI DFYPTKGKRIGGYSSGCYDTRPYILL
UniRef90_U2JSU5 YMSYVRPYFKDRWV DYAQNAGKTSGGFCASPYRIHPFILL
UniRef90_D0BLF9 YLSIMKRAFDERWI DYAETIGKRTGAFCASPYGANSFILM
UniRef90_B6ITZ6 LAAVGQRFFDKAWI DAPTRPGKDPGAFAHPVPAAHPYLLL
UniRef90_Q5LTK1 MGEIAAPFFSKGWI DAAVKPGKAPGAFAHPTVEVHPYVML
UniRef90_A0LFN0 FAEIASDFFRHNWI HAPVLPGKRSGAFSHPVPSCHPYVLV
UniRef90_X0QB14 YVSHVKEEFNNRWI DVVENRYKRSGGYSSGTYDTNPFILL
UniRef90_V7I0Z4 YLNSLMPAFKERWI DFVANAGKESGGFETTPYGLHPYILM
UniRef90_Q1WVT7 YKNAILKAFPERWV DFPANAGKESGGFETTPYGLHPYILM
UniRef90_A8ILX1 MADIARVFFDKNWI DAPVRPGKSPGAFAHPVPSAHPYVLL
UniRef90_R4Z4N1 LAGIVREFIDGNWI DAPVRSGKRPGAFCAYTVSHHPYLLL
UniRef90_U4THU8 YHDMIMRYFPDRWV DFVGNVGKETGGFCAQPYRVHPYILM
UniRef90_N1ZSR9 YAKMVMRSFDERWV DFAVNAGKETGGFETDPYGVHPYILM
UniRef90_B9Y5Y3 YQALLKRARTERWI DYYPHQDKRGGAYSWGTYDSNPFVLT
UniRef90_F0GVC0 YGSYLKKAFSDRWI DYSQNIGKRTGAFCASPYNSHPYIMT
UniRef90_U1FYE7 YLNMVETAYRDRWI DFAQNKGKETGAYCASPYASHSYVFI
UniRef90_V4JAH9 MEGAADRFFTESWI HAPVQQGKRGGAFAHPCPSVHPYIMV
UniRef90_UPI0002E1E755 YLDGLRAEFSGSWI DAAENVGKRSGGYESEVYDVHPYILL
UniRef90_D7N8V2 YLDVAMSSYSNRWI DFANNIGKSTGGFCASPYKCDSFILL
UniRef90_C5FA95 YQAQMMQAFTDHWI DFPANQGKDSGAYTAGPYGVHPYVEM
UniRef90_UPI00036EFE1A MERHARRFFDEKWI DAPVRPGKRGGAFASSVPSVHPYVML
UniRef90_A9NG69 YLEIVRRSFDERWI DFPQNVGKSTGGFCSSPYGQNSFILI
UniRef90_UPI00046D937E FEEIARGFFEEGRI DAAPRPGKAGGAFCMGVPDLPVYVLM
UniRef90_UPI000379E50F YVQKIMPAFEERWV DFARNIGKRSGAFCSGAYDVHPYIMM
UniRef90_M1P818 MADIANLFFDNNWI HAPLLDGKRGGAFAHPVPDANPYVLV
UniRef90_UPI0003675C6F MADFAETAFRDGWI EAEDRPGKRPGGFCTSFPRTQTRIFM
UniRef90_B5EI50 FAELADSFFTGKRV DVLPRPGKSGGAFCMGIPSLPPYLLL
UniRef90_UPI0003900352 YGKALREGYSNSWI DVYENEGKRSGAYSWGAYGTHPYVLL

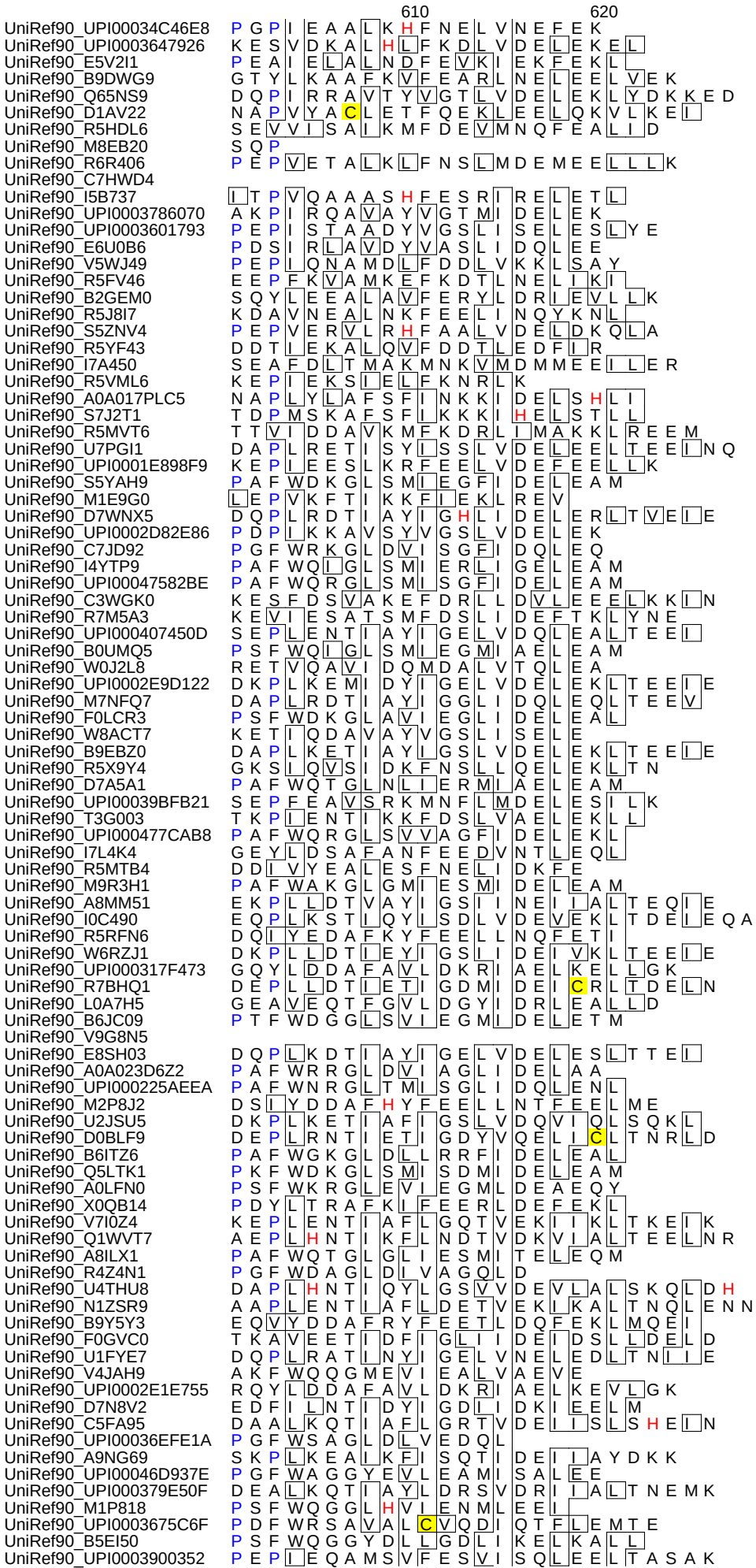

410
420
430
440
UniRef90_UPI00034C46E8
UniRef90_UPI0003647926
UniRef90_E5V2I1
UniRef90_B9DWG9
UniRef90_Q65NS9
UniRef90_D1AV22
UniRef90_R5HDL6
UniRef90_M8EB20
UniRef90_R6R406
UniRef90_C7HWD4
UniRef90_I5B737
UniRef90_UPI0003786070
UniRef90_UPI0003601793
UniRef90_E6U0B6
UniRef90_V5WJ49
UniRef90_R5FV46
UniRef90_B2GEM0
UniRef90_R5J8I7
UniRef90_S5ZNV4
UniRef90_R5YF43
UniRef90_I7A450
UniRef90_R5VML6
UniRef90_A0A017PLC5
UniRef90_S7J2T1
UniRef90_R5MVT6
UniRef90_U7PGI1
UniRef90_UPI0001E898F9
UniRef90_S5YAH9
UniRef90_M1E9G0
UniRef90_D7WNX5
UniRef90_UPI0002D82E86
UniRef90_C7JD92
UniRef90_I4YTP9
UniRef90_UPI00047582BE
UniRef90_C3WGK0
UniRef90_R7M5A3
UniRef90_UPI000407450D
UniRef90_B0UMQ5
UniRef90_W0J2L8
UniRef90_UPI0002E9D122
UniRef90_M7NFQ7
UniRef90_F0LCR3
UniRef90_W8ACT7
UniRef90_B9EBZ0
UniRef90_R5X9Y4
UniRef90_D7A5A1
UniRef90_UPI00039BFB21
UniRef90_T3G003
UniRef90_UPI000477CAB8
UniRef90_I7L4K4
UniRef90_R5MTB4
UniRef90_M9R3H1
UniRef90_A8MM51
UniRef90_I0C490
UniRef90_R5RFN6
UniRef90_W6RZJ1
UniRef90_UPI000317F473
UniRef90_R7BHQ1
UniRef90_L0A7H5
UniRef90_B6JC09
UniRef90_V9G8N5
UniRef90_E8SH03
UniRef90_A0A023D6Z2
UniRef90_UPI000225AEEA
UniRef90_M2P8J2
UniRef90_U2JSU5
UniRef90_D0BLF9
UniRef90_B6ITZ6
UniRef90_Q5LTK1
UniRef90_A0LFN0
UniRef90_X0QB14
UniRef90_V7I0Z4
UniRef90_Q1WVT7
UniRef90_A8ILX1
UniRef90_R4Z4N1
UniRef90_U4THU8
UniRef90_N1ZSR9
UniRef90_B9Y5Y3
UniRef90_F0GVC0
UniRef90_U1FYE7
UniRef90_V4JAH9
UniRef90_UPI0002E1E755
UniRef90_D7N8V2
UniRef90_C5FA95
UniRef90_UPI00036EFE1A
UniRef90_A9NG69
UniRef90_UPI00046D937E
UniRef90_UPI000379E50F
UniRef90_M1P818
UniRef90_UPI0003675C6F
UniRef90_B5EI50
UniRef90_UPI0003900352

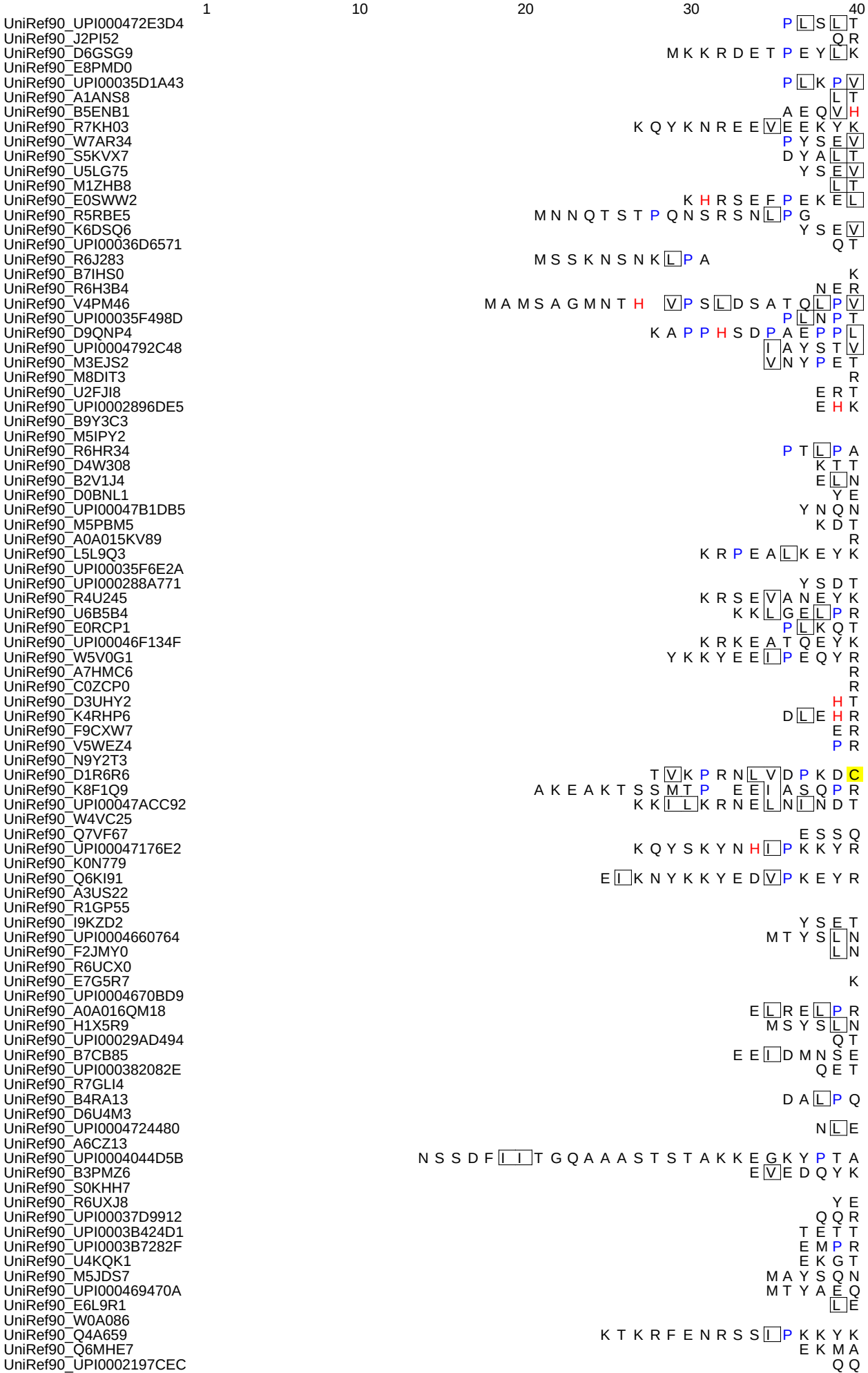

450
460
470
480
UniRef90_UPI00034C46E8
UniRef90_UPI0003647926
UniRef90_E5V2I1
UniRef90_B9DWG9
UniRef90_Q65NS9
UniRef90_D1AV22
UniRef90_R5HDL6
UniRef90_M8EB20
UniRef90_R6R406
UniRef90_C7HWD4
UniRef90_I5B737
UniRef90_UPI0003786070
UniRef90_UPI0003601793
UniRef90_E6U0B6
UniRef90_V5WJ49
UniRef90_R5FV46
UniRef90_B2GEM0
UniRef90_R5J8I7
UniRef90_S5ZNV4
UniRef90_R5YF43
UniRef90_I7A450
UniRef90_R5VML6
UniRef90_A0A017PLC5
UniRef90_S7J2T1
UniRef90_R5MVT6
UniRef90_U7PGI1
UniRef90_UPI0001E898F9
UniRef90_S5YAH9
UniRef90_M1E9G0
UniRef90_D7WNX5
UniRef90_UPI0002D82E86
UniRef90_C7JD92
UniRef90_I4YTP9
UniRef90_UPI00047582BE
UniRef90_C3WGK0
UniRef90_R7M5A3
UniRef90_UPI000407450D
UniRef90_B0UMQ5
UniRef90_W0J2L8
UniRef90_UPI0002E9D122
UniRef90_M7NFQ7
UniRef90_F0LCR3
UniRef90_W8ACT7
UniRef90_B9EBZ0
UniRef90_R5X9Y4
UniRef90_D7A5A1
UniRef90_UPI00039BFB21
UniRef90_T3G003
UniRef90_UPI000477CAB8
UniRef90_I7L4K4
UniRef90_R5MTB4
UniRef90_M9R3H1
UniRef90_A8MM51
UniRef90_I0C490
UniRef90_R5RFN6
UniRef90_W6RZJ1
UniRef90_UPI000317F473
UniRef90_R7BHQ1
UniRef90_L0A7H5
UniRef90_B6JC09
UniRef90_V9G8N5
UniRef90_E8SH03
UniRef90_A0A023D6Z2
UniRef90_UPI000225AEEA
UniRef90_M2P8J2
UniRef90_U2JSU5
UniRef90_D0BLF9
UniRef90_B6ITZ6
UniRef90_Q5LTK1
UniRef90_A0LFN0
UniRef90_X0QB14
UniRef90_V7I0Z4
UniRef90_Q1WVT7
UniRef90_A8ILX1
UniRef90_R4Z4N1
UniRef90_U4THU8
UniRef90_N1ZSR9
UniRef90_B9Y5Y3
UniRef90_F0GVC0
UniRef90_U1FYE7
UniRef90_V4JAH9
UniRef90_UPI0002E1E755
UniRef90_D7N8V2
UniRef90_C5FA95
UniRef90_UPI00036EFE1A
UniRef90_A9NG69
UniRef90_UPI00046D937E
UniRef90_UPI000379E50F
UniRef90_M1P818
UniRef90_UPI0003675C6F
UniRef90_B5EI50
UniRef90_UPI0003900352

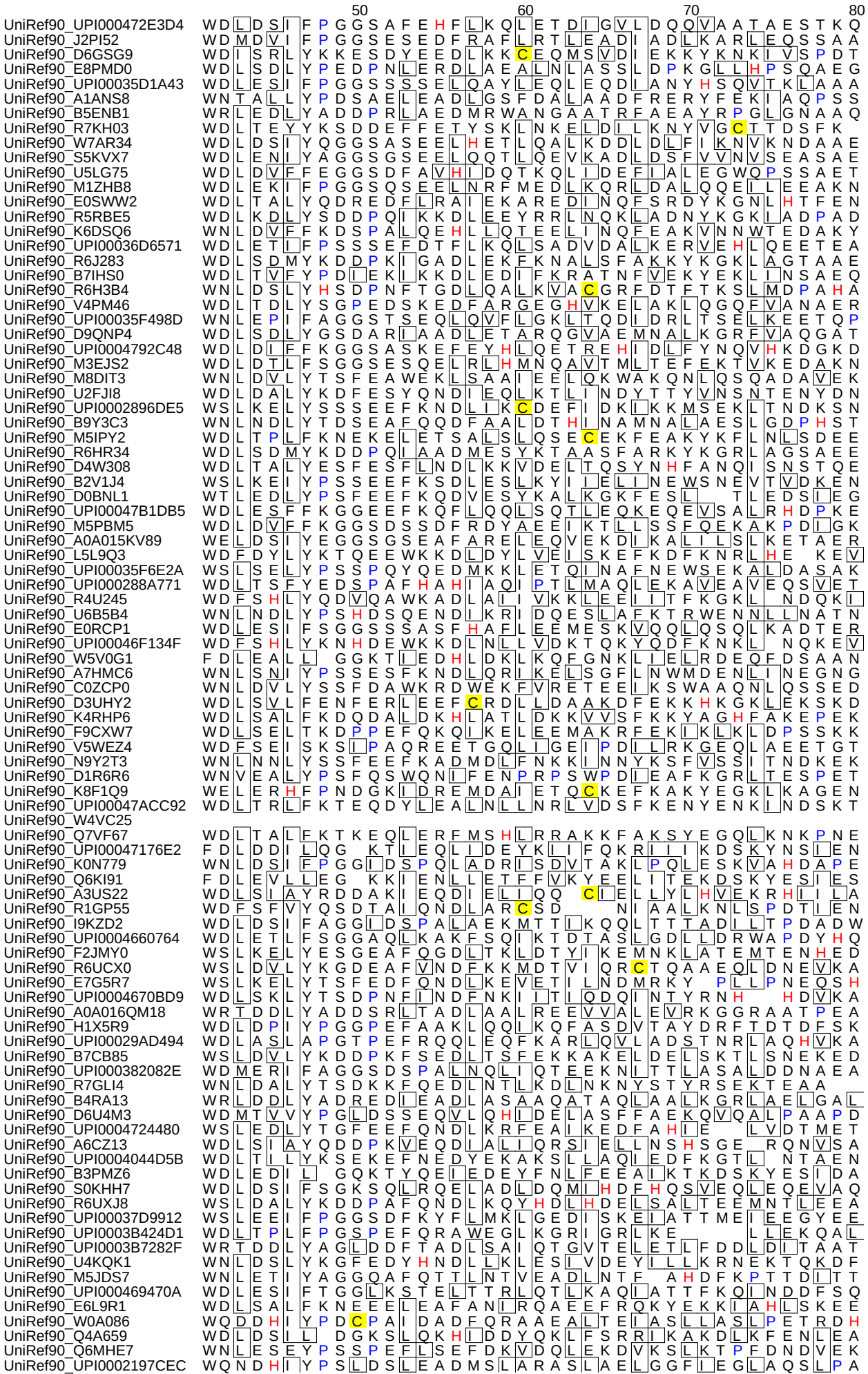

490
500
510
520
UniRef90_UPI00034C46E8
UniRef90_UPI0003647926
UniRef90_E5V2I1
UniRef90_B9DWG9
UniRef90_Q65NS9
UniRef90_D1AV22
UniRef90_R5HDL6
UniRef90_M8EB20
UniRef90_R6R406
UniRef90_C7HWD4
UniRef90_I5B737
UniRef90_UPI0003786070
UniRef90_UPI0003601793
UniRef90_E6U0B6
UniRef90_V5WJ49
UniRef90_R5FV46
UniRef90_B2GEM0
UniRef90_R5J8I7
UniRef90_S5ZNV4
UniRef90_R5YF43
UniRef90_I7A450
UniRef90_R5VML6
UniRef90_A0A017PLC5
UniRef90_S7J2T1
UniRef90_R5MVT6
UniRef90_U7PGI1
UniRef90_UPI0001E898F9
UniRef90_S5YAH9
UniRef90_M1E9G0
UniRef90_D7WNX5
UniRef90_UPI0002D82E86
UniRef90_C7JD92
UniRef90_I4YTP9
UniRef90_UPI00047582BE
UniRef90_C3WGK0
UniRef90_R7M5A3
UniRef90_UPI000407450D
UniRef90_B0UMQ5
UniRef90_W0J2L8
UniRef90_UPI0002E9D122
UniRef90_M7NFQ7
UniRef90_F0LCR3
UniRef90_W8ACT7
UniRef90_B9EBZ0
UniRef90_R5X9Y4
UniRef90_D7A5A1
UniRef90_UPI00039BFB21
UniRef90_T3G003
UniRef90_UPI000477CAB8
UniRef90_I7L4K4
UniRef90_R5MTB4
UniRef90_M9R3H1
UniRef90_A8MM51
UniRef90_I0C490
UniRef90_R5RFN6
UniRef90_W6RZJ1
UniRef90_UPI000317F473
UniRef90_R7BHQ1
UniRef90_L0A7H5
UniRef90_B6JC09
UniRef90_V9G8N5
UniRef90_E8SH03
UniRef90_A0A023D6Z2
UniRef90_UPI000225AEEA
UniRef90_M2P8J2
UniRef90_U2JSU5
UniRef90_D0BLF9
UniRef90_B6ITZ6
UniRef90_Q5LTK1
UniRef90_A0LFN0
UniRef90_X0QB14
UniRef90_V7I0Z4
UniRef90_Q1WVT7
UniRef90_A8ILX1
UniRef90_R4Z4N1
UniRef90_U4THU8
UniRef90_N1ZSR9
UniRef90_B9Y5Y3
UniRef90_F0GVC0
UniRef90_U1FYE7
UniRef90_V4JAH9
UniRef90_UPI0002E1E755
UniRef90_D7N8V2
UniRef90_C5FA95
UniRef90_UPI00036EFE1A
UniRef90_A9NG69
UniRef90_UPI00046D937E
UniRef90_UPI000379E50F
UniRef90_M1P818
UniRef90_UPI0003675C6F
UniRef90_B5EI50
UniRef90_UPI0003900352

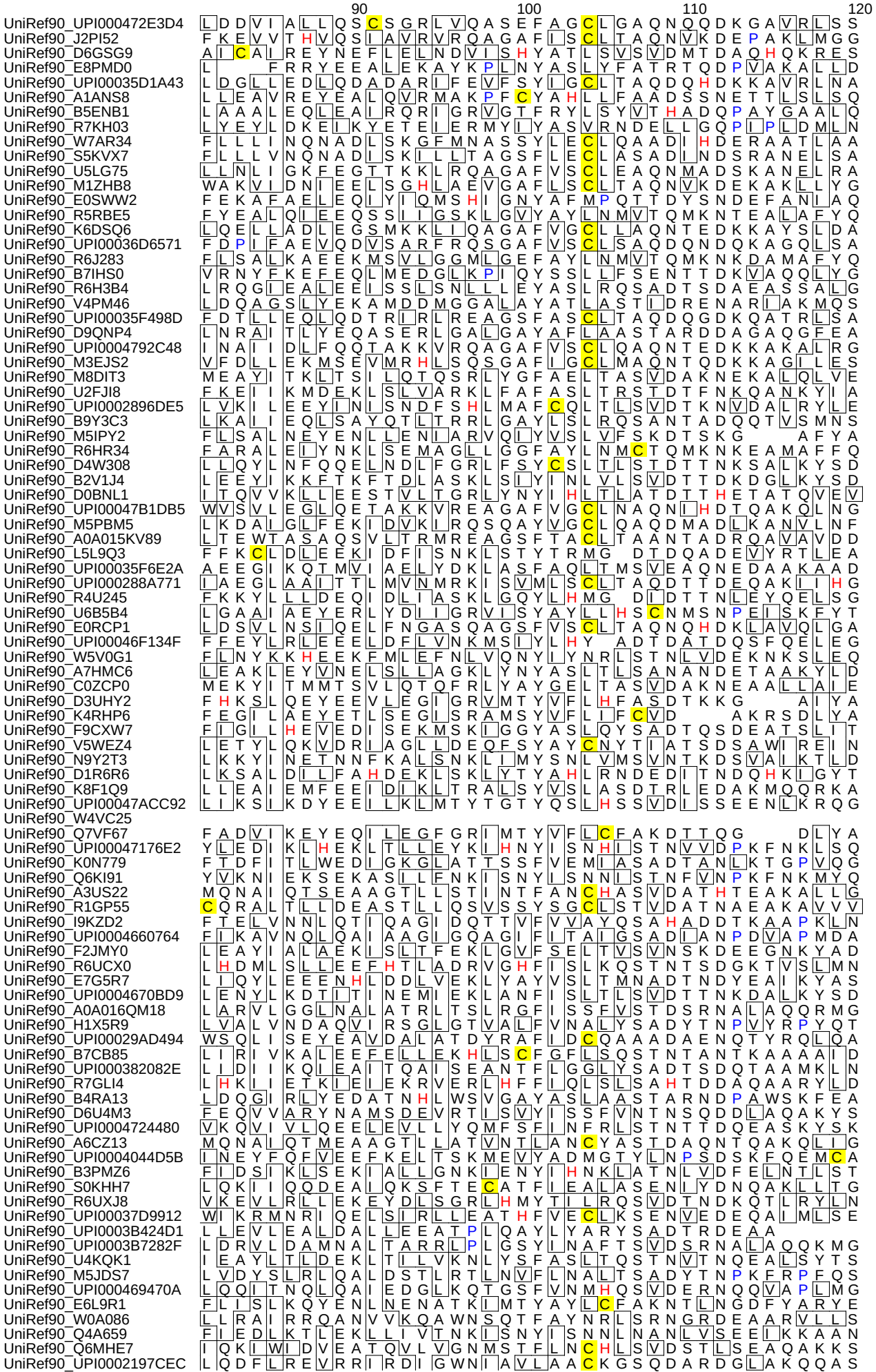

530
540
550
560
UniRef90_UPI00034C46E8
UniRef90_UPI0003647926
UniRef90_E5V2I1
UniRef90_B9DWG9
UniRef90_Q65NS9
UniRef90_D1AV22
UniRef90_R5HDL6
UniRef90_M8EB20
UniRef90_R6R406
UniRef90_C7HWD4
UniRef90_I5B737
UniRef90_UPI0003786070
UniRef90_UPI0003601793
UniRef90_E6U0B6
UniRef90_V5WJ49
UniRef90_R5FV46
UniRef90_B2GEM0
UniRef90_R5J8I7
UniRef90_S5ZNV4
UniRef90_R5YF43
UniRef90_I7A450
UniRef90_R5VML6
UniRef90_A0A017PLC5
UniRef90_S7J2T1
UniRef90_R5MVT6
UniRef90_U7PGI1
UniRef90_UPI0001E898F9
UniRef90_S5YAH9
UniRef90_M1E9G0
UniRef90_D7WNX5
UniRef90_UPI0002D82E86
UniRef90_C7JD92
UniRef90_I4YTP9
UniRef90_UPI00047582BE
UniRef90_C3WGK0
UniRef90_R7M5A3
UniRef90_UPI000407450D
UniRef90_B0UMQ5
UniRef90_W0J2L8
UniRef90_UPI0002E9D122
UniRef90_M7NFQ7
UniRef90_F0LCR3
UniRef90_W8ACT7
UniRef90_B9EBZ0
UniRef90_R5X9Y4
UniRef90_D7A5A1
UniRef90_UPI00039BFB21
UniRef90_T3G003
UniRef90_UPI000477CAB8
UniRef90_I7L4K4
UniRef90_R5MTB4
UniRef90_M9R3H1
UniRef90_A8MM51
UniRef90_I0C490
UniRef90_R5RFN6
UniRef90_W6RZJ1
UniRef90_UPI000317F473
UniRef90_R7BHQ1
UniRef90_L0A7H5
UniRef90_B6JC09
UniRef90_V9G8N5
UniRef90_E8SH03
UniRef90_A0A023D6Z2
UniRef90_UPI000225AEEA
UniRef90_M2P8J2
UniRef90_U2JSU5
UniRef90_D0BLF9
UniRef90_B6ITZ6
UniRef90_Q5LTK1
UniRef90_A0LFN0
UniRef90_X0QB14
UniRef90_V7I0Z4
UniRef90_Q1WVT7
UniRef90_A8ILX1
UniRef90_R4Z4N1
UniRef90_U4THU8
UniRef90_N1ZSR9
UniRef90_B9Y5Y3
UniRef90_F0GVC0
UniRef90_U1FYE7
UniRef90_V4JAH9
UniRef90_UPI0002E1E755
UniRef90_D7N8V2
UniRef90_C5FA95
UniRef90_UPI00036EFE1A
UniRef90_A9NG69
UniRef90_UPI00046D937E
UniRef90_UPI000379E50F
UniRef90_M1P818
UniRef90_UPI0003675C6F
UniRef90_B5EI50
UniRef90_UPI0003900352

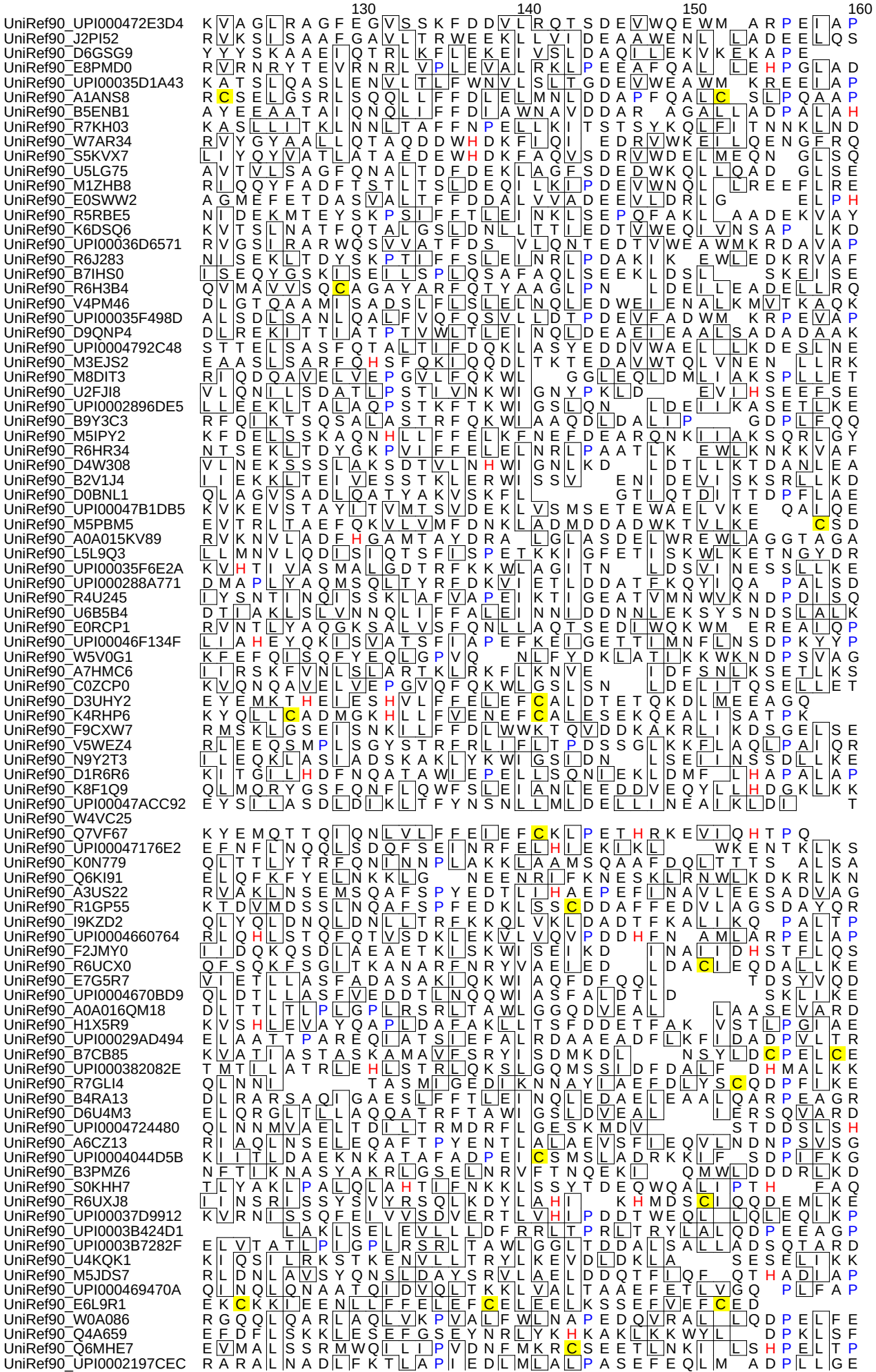

570
580
590
600
UniRef90_UPI00034C46E8
UniRef90_UPI0003647926
UniRef90_E5V2I1
UniRef90_B9DWG9
UniRef90_Q65NS9
UniRef90_D1AV22
UniRef90_R5HDL6
UniRef90_M8EB20
UniRef90_R6R406
UniRef90_C7HWD4
UniRef90_I5B737
UniRef90_UPI0003786070
UniRef90_UPI0003601793
UniRef90_E6U0B6
UniRef90_V5WJ49
UniRef90_R5FV46
UniRef90_B2GEM0
UniRef90_R5J8I7
UniRef90_S5ZNV4
UniRef90_R5YF43
UniRef90_I7A450
UniRef90_R5VML6
UniRef90_A0A017PLC5
UniRef90_S7J2T1
UniRef90_R5MVT6
UniRef90_U7PGI1
UniRef90_UPI0001E898F9
UniRef90_S5YAH9
UniRef90_M1E9G0
UniRef90_D7WNX5
UniRef90_UPI0002D82E86
UniRef90_C7JD92
UniRef90_I4YTP9
UniRef90_UPI00047582BE
UniRef90_C3WGK0
UniRef90_R7M5A3
UniRef90_UPI000407450D
UniRef90_B0UMQ5
UniRef90_W0J2L8
UniRef90_UPI0002E9D122
UniRef90_M7NFQ7
UniRef90_F0LCR3
UniRef90_W8ACT7
UniRef90_B9EBZ0
UniRef90_R5X9Y4
UniRef90_D7A5A1
UniRef90_UPI00039BFB21
UniRef90_T3G003
UniRef90_UPI000477CAB8
UniRef90_I7L4K4
UniRef90_R5MTB4
UniRef90_M9R3H1
UniRef90_A8MM51
UniRef90_I0C490
UniRef90_R5RFN6
UniRef90_W6RZJ1
UniRef90_UPI000317F473
UniRef90_R7BHQ1
UniRef90_L0A7H5
UniRef90_B6JC09
UniRef90_V9G8N5
UniRef90_E8SH03
UniRef90_A0A023D6Z2
UniRef90_UPI000225AEEA
UniRef90_M2P8J2
UniRef90_U2JSU5
UniRef90_D0BLF9
UniRef90_B6ITZ6
UniRef90_Q5LTK1
UniRef90_A0LFN0
UniRef90_X0QB14
UniRef90_V7I0Z4
UniRef90_Q1WVT7
UniRef90_A8ILX1
UniRef90_R4Z4N1
UniRef90_U4THU8
UniRef90_N1ZSR9
UniRef90_B9Y5Y3
UniRef90_F0GVC0
UniRef90_U1FYE7
UniRef90_V4JAH9
UniRef90_UPI0002E1E755
UniRef90_D7N8V2
UniRef90_C5FA95
UniRef90_UPI00036EFE1A
UniRef90_A9NG69
UniRef90_UPI00046D937E
UniRef90_UPI000379E50F
UniRef90_M1P818
UniRef90_UPI0003675C6F
UniRef90_B5EI50
UniRef90_UPI0003900352

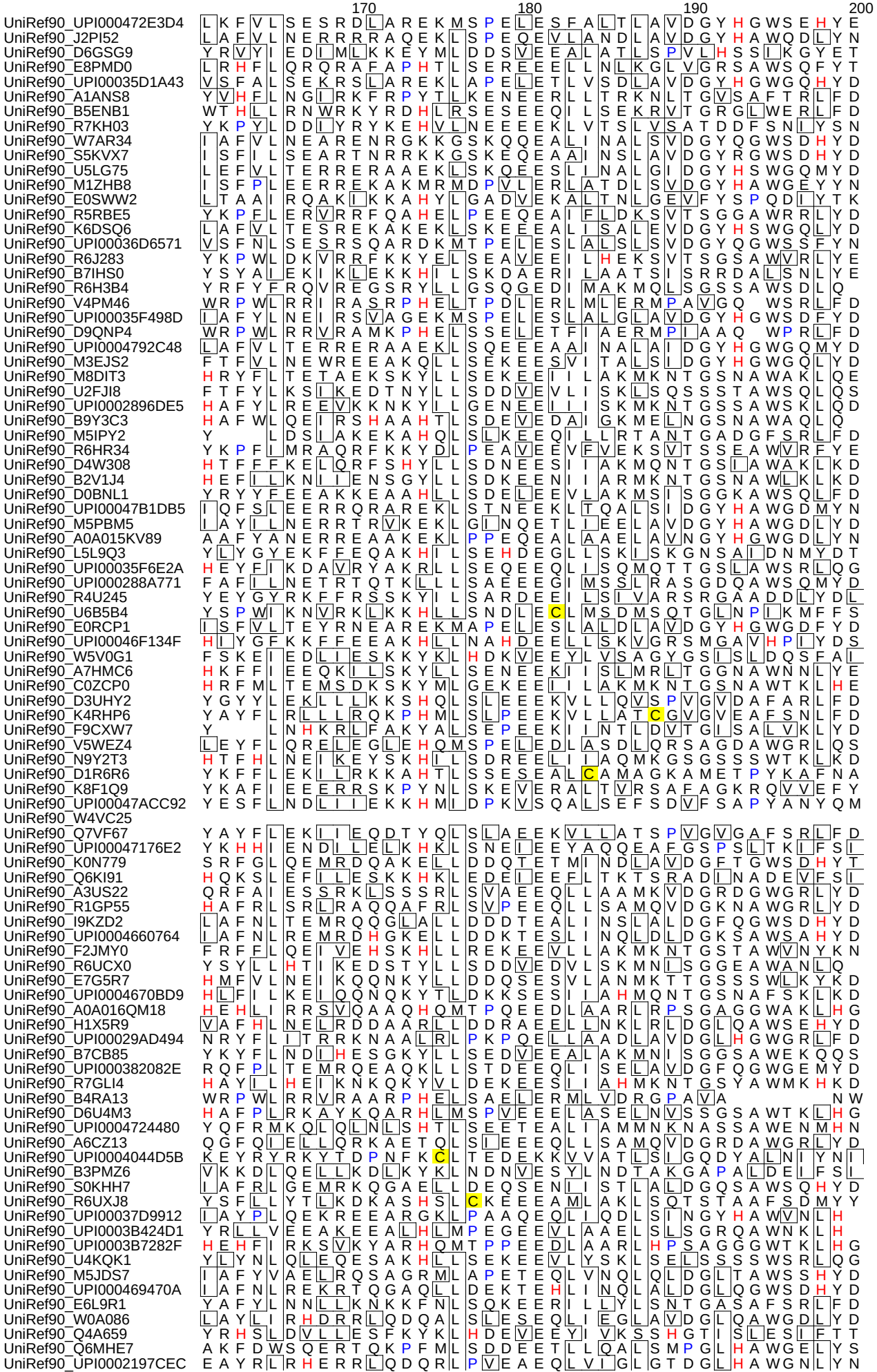

610
620
UniRef90_UPI00034C46E8 P G P I E A A L K H F N E L V N E F E K
UniRef90_UPI0003647926 K E S V D K A L H L F K D L V D E L E K E L
UniRef90_E5V2I1 P E A I E L A L N D F E V K I E K F E K L
UniRef90_B9DWG9 G T Y L K A A F K V F E A R L N E L E E L V E K
UniRef90_Q65NS9 D Q P I R R A V T Y V G T L V D E L E K L Y D K K E D
UniRef90_D1AV22 N A P V Y A C L E T F Q E K L E E L Q K V L K E I
UniRef90_R5HDL6 S E V V I S A I K M F D E V M N Q F E A L I D
UniRef90_M8EB20 S Q P
UniRef90_R6R406 P E P V E T A L K L F N S L M D E M E E L L L K
UniRef90_C7HWD4
UniRef90_I5B737 I T P V Q A A A S H F E S R I R E L E T L
UniRef90_UPI0003786070 A K P I R Q A V A Y V G T M I D E L E K
UniRef90_UPI0003601793 P E P I S T A A D Y V G S L I S E L E S L Y E
UniRef90_E6U0B6 P D S I R L A V D Y V A S L I D Q L E E
UniRef90_V5WJ49 P E P I Q N A M D L F D D L V K K L S A Y
UniRef90_R5FV46 E E P F K V A M K E F K D T L N E L I K I
UniRef90_B2GEM0 S Q Y L E E A L A V F E R Y L D R I E V L L K
UniRef90_R5J8I7 K D A V N E A L N K F E E L I N Q Y K N L
UniRef90_S5ZNV4 P E P V E R V L R H F A A L V D E L D K Q L A
UniRef90_R5YF43 D D T I E K A L Q V F D D T L E D F I R
UniRef90_I7A450 S E A F D L T M A K M N K V M D M M E E I L E R
UniRef90_R5VML6 K E P I E K S I E L F K N R L K
UniRef90_A0A017PLC5 N A P L Y L A F S F I N K K I D E L S H L I
UniRef90_S7J2T1 T D P M S K A F S F I K K K I H E L S T L L
UniRef90_R5MVT6 T T V I D D A V K M F K D R L I M A K K L R E E M
UniRef90_U7PGI1 D A P L R E T I S Y I S S L V D E L E E L T E E I N Q
UniRef90_UPI0001E898F9 K E P I E E S L K R F E E L V D E F E E L L K
UniRef90_S5YAH9 P A F W D K G L S M I E G F I D E L E A M
UniRef90_M1E9G0 L E P V K F T I K K F I E K L R E V
UniRef90_D7WNX5 D Q P L R D T I A Y I G H L I D E L E R L T V E I E
UniRef90_UPI0002D82E86 P D P I K K A V S Y V G S L V D E L E K
UniRef90_C7JD92 P G F W R K G L D V I S G F I D Q L E Q
UniRef90_I4YTP9 P A F W Q I G L S M I E R L I G E L E A M
UniRef90_UPI00047582BE P A F W Q R G L S M I S G F I D E L E A M
UniRef90_C3WGK0 K E S F D S V A K E F D R L L D V L E E E L K K I N
UniRef90_R7M5A3 K E V I E S A T S M F D S L I D E F T K L Y N E
UniRef90_UPI000407450D S E P L E N T I A Y I G E L V D Q L E A L T E E I
UniRef90_B0UMQ5 P S F W Q I G L S M I E G M I A E L E A M
UniRef90_W0J2L8 R E T V Q A V I D Q M D A L V T Q L E A
UniRef90_UPI0002E9D122 D K P L K E M I D Y I G E L V D E L E K L T E E I E
UniRef90_M7NFQ7 D A P L R D T I A Y I G G L I D Q L E Q L T E E V
UniRef90_F0LCR3 P S F W D K G L A V I E G L I D E L E A L
UniRef90_W8ACT7 K E T I Q D A V A Y V G S L I S E L E
UniRef90_B9EBZ0 D A P L K E T I A Y I G S L V D E L E K L T E E I E
UniRef90_R5X9Y4 G K S I Q V S I D K F N S L L Q E L E K L T N
UniRef90_D7A5A1 P A F W Q T G L N L I E R M I A E L E A M
UniRef90_UPI00039BFB21 S E P F E A V S R K M N F L M D E L E S I L K
UniRef90_T3G003 T K P I E N T I K K F D S L V A E L E K L L
UniRef90_UPI000477CAB8 P A F W Q R G L S V V A G F I D E L E K L
UniRef90_I7L4K4 G E Y L D S A F A N F E E D V N T L E Q L
UniRef90_R5MTB4 D D I V Y E A L E S F N E L I D K F E
UniRef90_M9R3H1 P A F W A K G L G M I E S M I D E L E A M
UniRef90_A8MM51 E K P L L D T V A Y I G S I I N E I I A L T E Q I E
UniRef90_I0C490 E Q P L K S T I Q Y I S D L V D E V E K L T D E I E Q A
UniRef90_R5RFN6 D Q I Y E D A F K Y F E E L L N Q F E T I
UniRef90_W6RZJ1 D K P L L D T I E Y I G S I I D E I V K L T E E I E
UniRef90_UPI000317F473 G Q Y L D D A F A V L D K R I A E L K E L L G K
UniRef90_R7BHQ1 D E P L L D T I E T I G D M I D E I C R L T D E L N
UniRef90_L0A7H5 G E A V E Q T F G V L D G Y I D R L E A L L D
UniRef90_B6JC09 P T F W D G G L S V I E G M I D E L E T M
UniRef90_V9G8N5
UniRef90_E8SH03 D Q P L K D T I A Y I G E L V D E L E S L T T E I
UniRef90_A0A023D6Z2 P A F W R R G L D V I A G L I D E L A A
UniRef90_UPI000225AEEA P A F W N R G L T M I S G L I D Q L E N L
UniRef90_M2P8J2 D S I Y D D A F H Y F E E L L N T F E E L M E
UniRef90_U2JSU5 D K P L K E T I A F I G S L V D Q V I Q L S Q K L
UniRef90_D0BLF9 D E P L R N T I E T I G D Y V Q E L I C L T N R L D
UniRef90_B6ITZ6 P A F W G K G L D L L R R F I D E L E A L
UniRef90_Q5LTK1 P K F W D K G L S M I S D M I D E L E A M
UniRef90_A0LFN0 P S F W K R G L E V I E G M L D E A E Q Y
UniRef90_X0QB14 P D Y L T R A F K I F E E R L D E F E K L
UniRef90_V7I0Z4 K E P L E N T I A F L G Q T V E K I I K L T K E I K
UniRef90_Q1WVT7 A E P L H N T I K F L N D T V D K V I A L T E E L N R
UniRef90_A8ILX1 P A F W Q T G L G L I E S M I T E L E Q M
UniRef90_R4Z4N1 P G F W D A G L D I V A G Q L D
UniRef90_U4THU8 D A P L H N T I Q Y L G S V V D E V L A L S K Q L D H
UniRef90_N1ZSR9 A A P L E N T I A F L D E T V E K I K A L T N Q L E N N
UniRef90_B9Y5Y3 E Q V Y D D A F R Y F E E T L D Q F E K L M Q E I
UniRef90_F0GVC0 T K A V E E T I D F I G L I I D E I D S L L D E L D
UniRef90_U1FYE7 D Q P L R A T I N Y I G E L V N E L E D L T N I I E
UniRef90_V4JAH9 A K F W Q Q G M E V I E A L V A E V E
UniRef90_UPI0002E1E755 R Q Y L D D A F A V L D K R I A E L K E V L G K
UniRef90_D7N8V2 E D F I L N T I D Y I G D I I D K I E E L M
UniRef90_C5FA95 D A A L K Q T I A F L G R T V D E I I S L S H E I N
UniRef90_UPI00036EFE1A P G F W S A G L D L V E D Q L
UniRef90_A9NG69 S K P L K E A I K F I S Q T I D E I I A Y D K K
UniRef90_UPI00046D937E P G F W A G G Y E V L E A M I S A L E E
UniRef90_UPI000379E50F D E A L K Q T I A Y L D R S V D R I I A L T N E M K
UniRef90_M1P818 P S F W Q G G L H V I E N M L E E I
UniRef90_UPI0003675C6F P D F W R S A V A L C V Q D I Q T F L E M T E
UniRef90_B5EI50 P S F W Q G G Y D L L G D L I K E L K A L L
UniRef90_UPI0003900352 P E P I E Q A M S V F E S V I S Q L E E L T A S A K

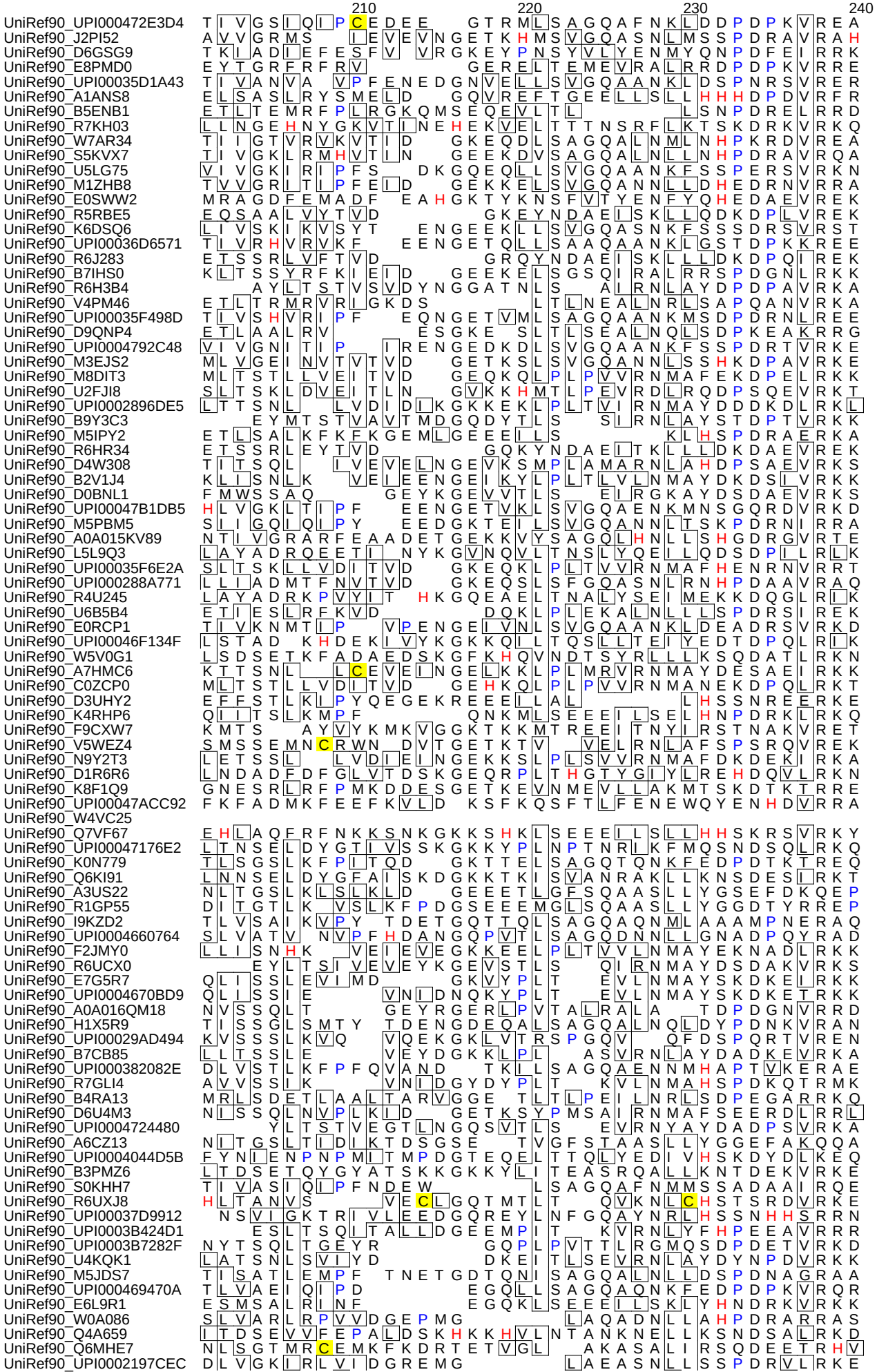

1
10
20
30
40
UniRef90_UPI000472E3D4
UniRef90_J2PI52
UniRef90_D6GSG9
UniRef90_E8PMD0
UniRef90_UPI00035D1A43
UniRef90_A1ANS8
UniRef90_B5ENB1
UniRef90_R7KH03
UniRef90_W7AR34
UniRef90_S5KVX7
UniRef90_U5LG75
UniRef90_M1ZHB8
UniRef90_E0SWW2
UniRef90_R5RBE5
UniRef90_K6DSQ6
UniRef90_UPI00036D6571
UniRef90_R6J283
UniRef90_B7IHS0
UniRef90_R6H3B4
UniRef90_V4PM46
UniRef90_UPI00035F498D
UniRef90_D9QNP4
UniRef90_UPI0004792C48
UniRef90_M3EJS2
UniRef90_M8DIT3
UniRef90_U2FJI8
UniRef90_UPI0002896DE5
UniRef90_B9Y3C3
UniRef90_M5IPY2
UniRef90_R6HR34
UniRef90_D4W308
UniRef90_B2V1J4
UniRef90_D0BNL1
UniRef90_UPI00047B1DB5
UniRef90_M5PBM5
UniRef90_A0A015KV89
UniRef90_L5L9Q3
UniRef90_UPI00035F6E2A
UniRef90_UPI000288A771
UniRef90_R4U245
UniRef90_U6B5B4
UniRef90_E0RCP1
UniRef90_UPI00046F134F
UniRef90_W5V0G1
UniRef90_A7HMC6
UniRef90_C0ZCP0
UniRef90_D3UHY2
UniRef90_K4RHP6
UniRef90_F9CXW7
UniRef90_V5WEZ4
UniRef90_N9Y2T3
UniRef90_D1R6R6
UniRef90_K8F1Q9
UniRef90_UPI00047ACC92
UniRef90_W4VC25
UniRef90_Q7VF67
UniRef90_UPI00047176E2
UniRef90_K0N779
UniRef90_Q6KI91
UniRef90_A3US22
UniRef90_R1GP55
UniRef90_I9KZD2
UniRef90_UPI0004660764
UniRef90_F2JMY0
UniRef90_R6UCX0
UniRef90_E7G5R7
UniRef90_UPI0004670BD9
UniRef90_A0A016QM18
UniRef90_H1X5R9
UniRef90_UPI00029AD494
UniRef90_B7CB85
UniRef90_UPI000382082E
UniRef90_R7GLI4
UniRef90_B4RA13
UniRef90_D6U4M3
UniRef90_UPI0004724480
UniRef90_A6CZ13
UniRef90_UPI0004044D5B
UniRef90_B3PMZ6
UniRef90_S0KHH7
UniRef90_R6UXJ8
UniRef90_UPI00037D9912
UniRef90_UPI0003B424D1
UniRef90_UPI0003B7282F
UniRef90_U4KQK1
UniRef90_M5JDS7
UniRef90_UPI000469470A
UniRef90_E6L9R1
UniRef90_W0A086
UniRef90_Q4A659
UniRef90_Q6MHE7
UniRef90_UPI0002197CEC

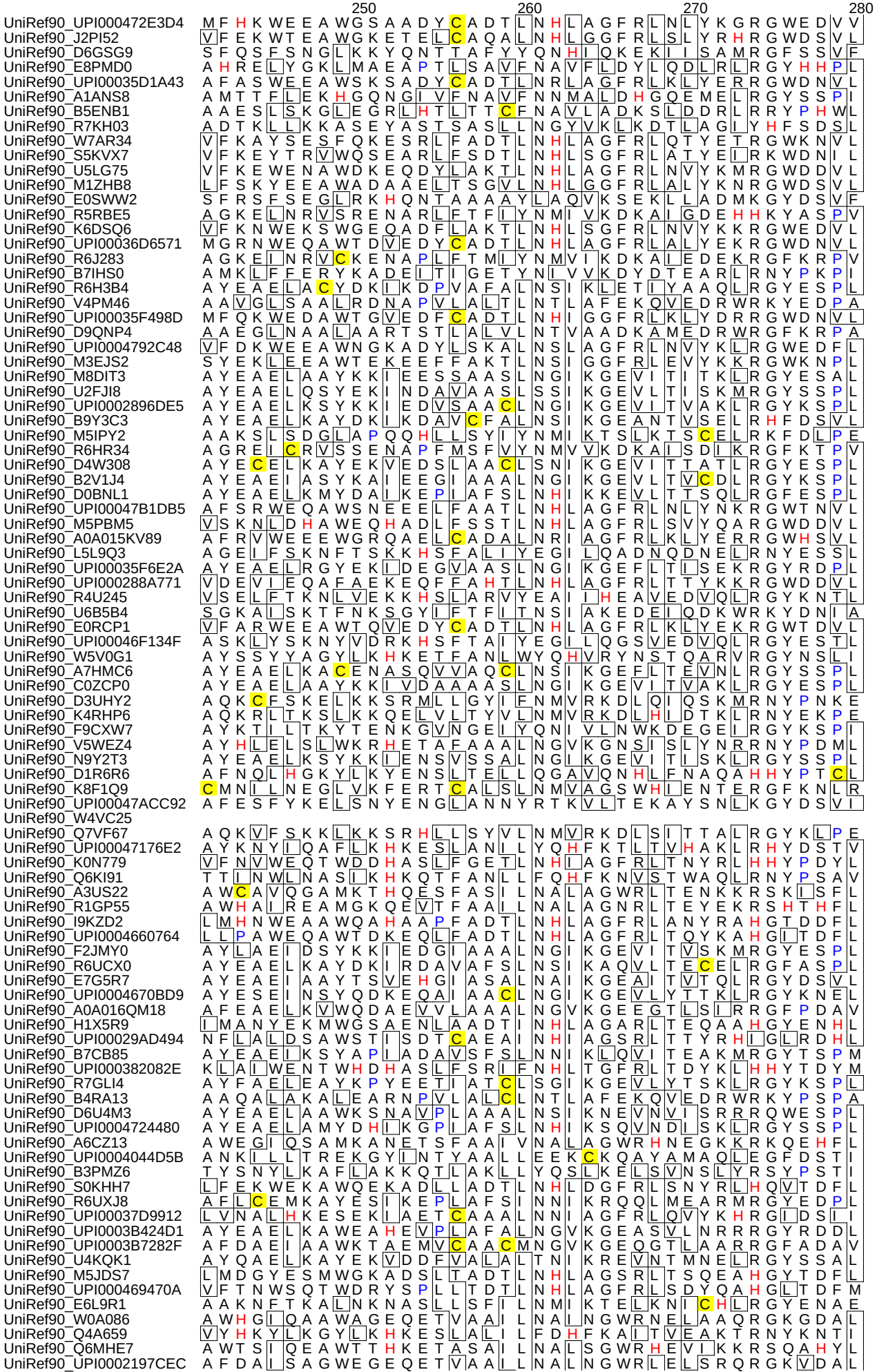

50
60
70
80
UniRef90_UPI000472E3D4
UniRef90_J2PI52
UniRef90_D6GSG9
UniRef90_E8PMD0
UniRef90_UPI00035D1A43
UniRef90_A1ANS8
UniRef90_B5ENB1
UniRef90_R7KH03
UniRef90_W7AR34
UniRef90_S5KVX7
UniRef90_U5LG75
UniRef90_M1ZHB8
UniRef90_E0SWW2
UniRef90_R5RBE5
UniRef90_K6DSQ6
UniRef90_UPI00036D6571
UniRef90_R6J283
UniRef90_B7IHS0
UniRef90_R6H3B4
UniRef90_V4PM46
UniRef90_UPI00035F498D
UniRef90_D9QNP4
UniRef90_UPI0004792C48
UniRef90_M3EJS2
UniRef90_M8DIT3
UniRef90_U2FJI8
UniRef90_UPI0002896DE5
UniRef90_B9Y3C3
UniRef90_M5IPY2
UniRef90_R6HR34
UniRef90_D4W308
UniRef90_B2V1J4
UniRef90_D0BNL1
UniRef90_UPI00047B1DB5
UniRef90_M5PBM5
UniRef90_A0A015KV89
UniRef90_L5L9Q3
UniRef90_UPI00035F6E2A
UniRef90_UPI000288A771
UniRef90_R4U245
UniRef90_U6B5B4
UniRef90_E0RCP1
UniRef90_UPI00046F134F
UniRef90_W5V0G1
UniRef90_A7HMC6
UniRef90_C0ZCP0
UniRef90_D3UHY2
UniRef90_K4RHP6
UniRef90_F9CXW7
UniRef90_V5WEZ4
UniRef90_N9Y2T3
UniRef90_D1R6R6
UniRef90_K8F1Q9
UniRef90_UPI00047ACC92
UniRef90_W4VC25
UniRef90_Q7VF67
UniRef90_UPI00047176E2
UniRef90_K0N779
UniRef90_Q6KI91
UniRef90_A3US22
UniRef90_R1GP55
UniRef90_I9KZD2
UniRef90_UPI0004660764
UniRef90_F2JMY0
UniRef90_R6UCX0
UniRef90_E7G5R7
UniRef90_UPI0004670BD9
UniRef90_A0A016QM18
UniRef90_H1X5R9
UniRef90_UPI00029AD494
UniRef90_B7CB85
UniRef90_UPI000382082E
UniRef90_R7GLI4
UniRef90_B4RA13
UniRef90_D6U4M3
UniRef90_UPI0004724480
UniRef90_A6CZ13
UniRef90_UPI0004044D5B
UniRef90_B3PMZ6
UniRef90_S0KHH7
UniRef90_R6UXJ8
UniRef90_UPI00037D9912
UniRef90_UPI0003B424D1
UniRef90_UPI0003B7282F
UniRef90_U4KQK1
UniRef90_M5JDS7
UniRef90_UPI000469470A
UniRef90_E6L9R1
UniRef90_W0A086
UniRef90_Q4A659
UniRef90_Q6MHE7
UniRef90_UPI0002197CEC

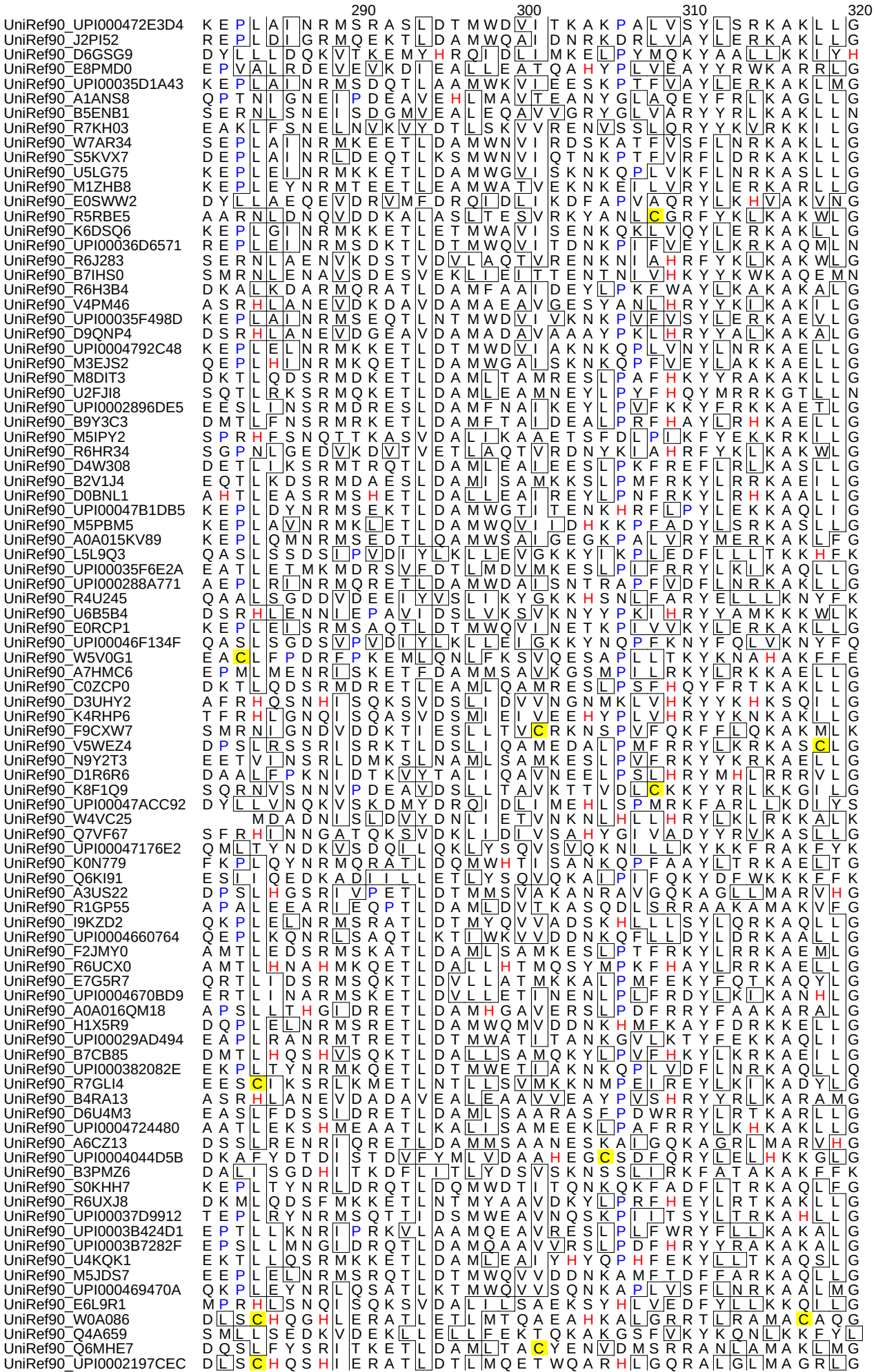

90
100
110
120
UniRef90_UPI000472E3D4
UniRef90_J2PI52
UniRef90_D6GSG9
UniRef90_E8PMD0
UniRef90_UPI00035D1A43
UniRef90_A1ANS8
UniRef90_B5ENB1
UniRef90_R7KH03
UniRef90_W7AR34
UniRef90_S5KVX7
UniRef90_U5LG75
UniRef90_M1ZHB8
UniRef90_E0SWW2
UniRef90_R5RBE5
UniRef90_K6DSQ6
UniRef90_UPI00036D6571
UniRef90_R6J283
UniRef90_B7IHS0
UniRef90_R6H3B4
UniRef90_V4PM46
UniRef90_UPI00035F498D
UniRef90_D9QNP4
UniRef90_UPI0004792C48
UniRef90_M3EJS2
UniRef90_M8DIT3
UniRef90_U2FJI8
UniRef90_UPI0002896DE5
UniRef90_B9Y3C3
UniRef90_M5IPY2
UniRef90_R6HR34
UniRef90_D4W308
UniRef90_B2V1J4
UniRef90_D0BNL1
UniRef90_UPI00047B1DB5
UniRef90_M5PBM5
UniRef90_A0A015KV89
UniRef90_L5L9Q3
UniRef90_UPI00035F6E2A
UniRef90_UPI000288A771
UniRef90_R4U245
UniRef90_U6B5B4
UniRef90_E0RCP1
UniRef90_UPI00046F134F
UniRef90_W5V0G1
UniRef90_A7HMC6
UniRef90_C0ZCP0
UniRef90_D3UHY2
UniRef90_K4RHP6
UniRef90_F9CXW7
UniRef90_V5WEZ4
UniRef90_N9Y2T3
UniRef90_D1R6R6
UniRef90_K8F1Q9
UniRef90_UPI00047ACC92
UniRef90_W4VC25
UniRef90_Q7VF67
UniRef90_UPI00047176E2
UniRef90_K0N779
UniRef90_Q6KI91
UniRef90_A3US22
UniRef90_R1GP55
UniRef90_I9KZD2
UniRef90_UPI0004660764
UniRef90_F2JMY0
UniRef90_R6UCX0
UniRef90_E7G5R7
UniRef90_UPI0004670BD9
UniRef90_A0A016QM18
UniRef90_H1X5R9
UniRef90_UPI00029AD494
UniRef90_B7CB85
UniRef90_UPI000382082E
UniRef90_R7GLI4
UniRef90_B4RA13
UniRef90_D6U4M3
UniRef90_UPI0004724480
UniRef90_A6CZ13
UniRef90_UPI0004044D5B
UniRef90_B3PMZ6
UniRef90_S0KHH7
UniRef90_R6UXJ8
UniRef90_UPI00037D9912
UniRef90_UPI0003B424D1
UniRef90_UPI0003B7282F
UniRef90_U4KQK1
UniRef90_M5JDS7
UniRef90_UPI000469470A
UniRef90_E6L9R1
UniRef90_W0A086
UniRef90_Q4A659
UniRef90_Q6MHE7
UniRef90_UPI0002197CEC

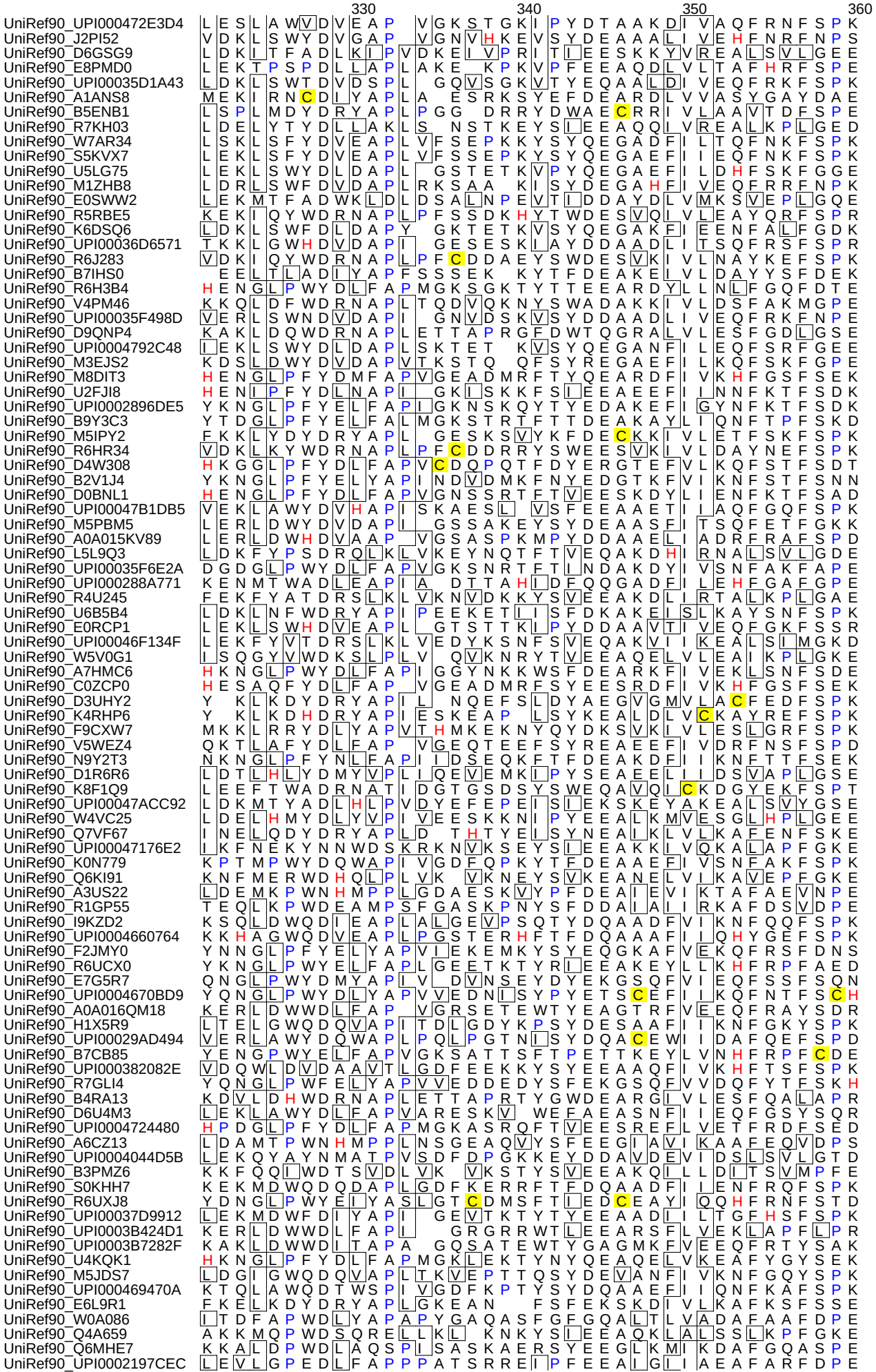

130
140
150
160
UniRef90_UPI000472E3D4
UniRef90_J2PI52
UniRef90_D6GSG9
UniRef90_E8PMD0
UniRef90_UPI00035D1A43
UniRef90_A1ANS8
UniRef90_B5ENB1
UniRef90_R7KH03
UniRef90_W7AR34
UniRef90_S5KVX7
UniRef90_U5LG75
UniRef90_M1ZHB8
UniRef90_E0SWW2
UniRef90_R5RBE5
UniRef90_K6DSQ6
UniRef90_UPI00036D6571
UniRef90_R6J283
UniRef90_B7IHS0
UniRef90_R6H3B4
UniRef90_V4PM46
UniRef90_UPI00035F498D
UniRef90_D9QNP4
UniRef90_UPI0004792C48
UniRef90_M3EJS2
UniRef90_M8DIT3
UniRef90_U2FJI8
UniRef90_UPI0002896DE5
UniRef90_B9Y3C3
UniRef90_M5IPY2
UniRef90_R6HR34
UniRef90_D4W308
UniRef90_B2V1J4
UniRef90_D0BNL1
UniRef90_UPI00047B1DB5
UniRef90_M5PBM5
UniRef90_A0A015KV89
UniRef90_L5L9Q3
UniRef90_UPI00035F6E2A
UniRef90_UPI000288A771
UniRef90_R4U245
UniRef90_U6B5B4
UniRef90_E0RCP1
UniRef90_UPI00046F134F
UniRef90_W5V0G1
UniRef90_A7HMC6
UniRef90_C0ZCP0
UniRef90_D3UHY2
UniRef90_K4RHP6
UniRef90_F9CXW7
UniRef90_V5WEZ4
UniRef90_N9Y2T3
UniRef90_D1R6R6
UniRef90_K8F1Q9
UniRef90_UPI00047ACC92
UniRef90_W4VC25
UniRef90_Q7VF67
UniRef90_UPI00047176E2
UniRef90_K0N779
UniRef90_Q6KI91
UniRef90_A3US22
UniRef90_R1GP55
UniRef90_I9KZD2
UniRef90_UPI0004660764
UniRef90_F2JMY0
UniRef90_R6UCX0
UniRef90_E7G5R7
UniRef90_UPI0004670BD9
UniRef90_A0A016QM18
UniRef90_H1X5R9
UniRef90_UPI00029AD494
UniRef90_B7CB85
UniRef90_UPI000382082E
UniRef90_R7GLI4
UniRef90_B4RA13
UniRef90_D6U4M3
UniRef90_UPI0004724480
UniRef90_A6CZ13
UniRef90_UPI0004044D5B
UniRef90_B3PMZ6
UniRef90_S0KHH7
UniRef90_R6UXJ8
UniRef90_UPI00037D9912
UniRef90_UPI0003B424D1
UniRef90_UPI0003B7282F
UniRef90_U4KQK1
UniRef90_M5JDS7
UniRef90_UPI00046947 0A
UniRef90_E6L9R1
UniRef90_W0A086
UniRef90_Q4A659
UniRef90_Q6MHE7
UniRef90_UPI0002197CEC

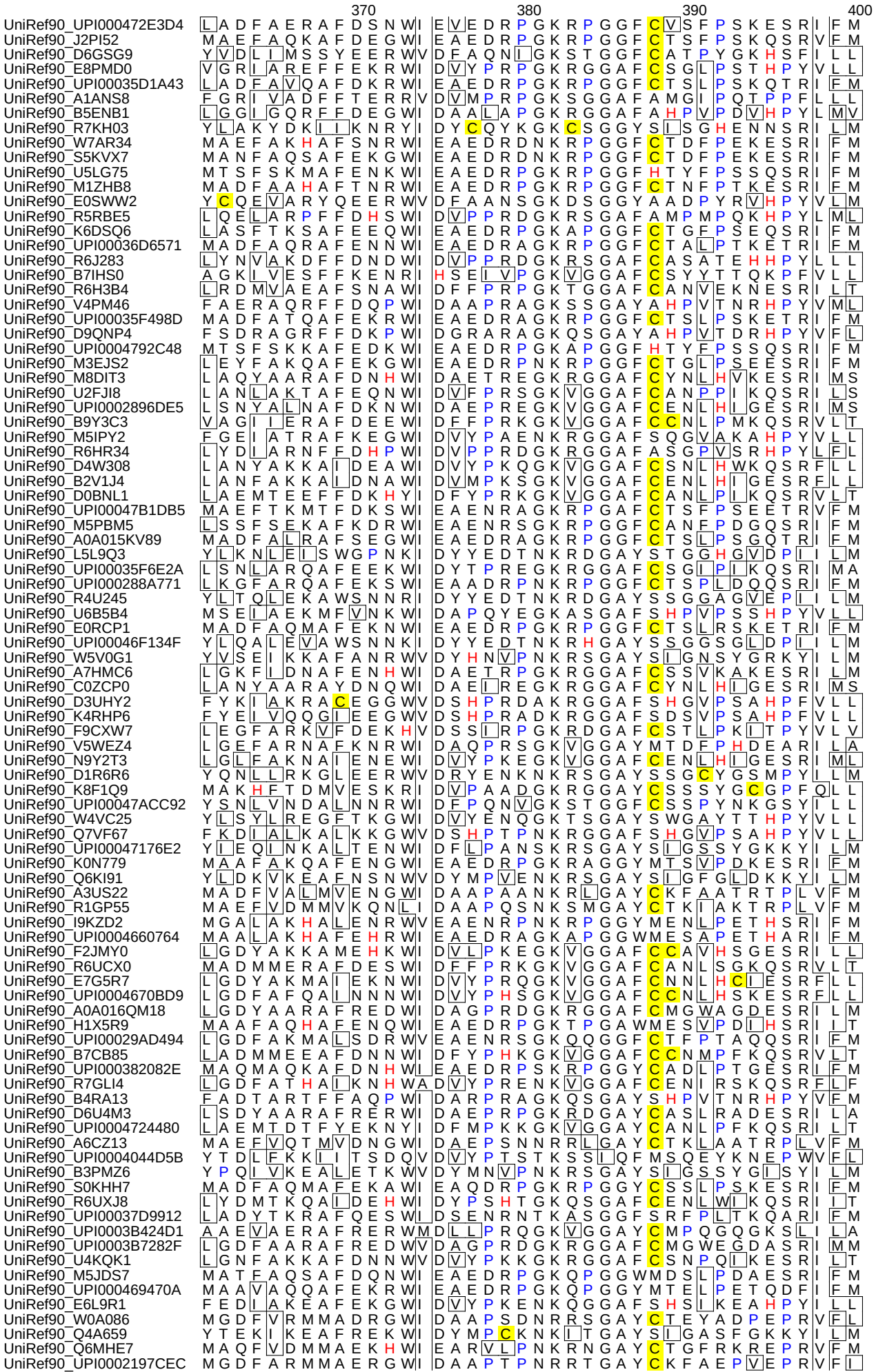

170
180
190
200
UniRef90_UPI000472E3D4
UniRef90_J2PI52
UniRef90_D6GSG9
UniRef90_E8PMD0
UniRef90_UPI00035D1A43
UniRef90_A1ANS8
UniRef90_B5ENB1
UniRef90_R7KH03
UniRef90_W7AR34
UniRef90_S5KVX7
UniRef90_U5LG75
UniRef90_M1ZHB8
UniRef90_E0SWW2
UniRef90_R5RBE5
UniRef90_K6DSQ6
UniRef90_UPI00036D6571
UniRef90_R6J283
UniRef90_B7IHS0
UniRef90_R6H3B4
UniRef90_V4PM46
UniRef90_UPI00035F498D
UniRef90_D9QNP4
UniRef90_UPI0004792C48
UniRef90_M3EJS2
UniRef90_M8DIT3
UniRef90_U2FJI8
UniRef90_UPI0002896DE5
UniRef90_B9Y3C3
UniRef90_M5IPY2
UniRef90_R6HR34
UniRef90_D4W308
UniRef90_B2V1J4
UniRef90_D0BNL1
UniRef90_UPI00047B1DB5
UniRef90_M5PBM5
UniRef90_A0A015KV89
UniRef90_L5L9Q3
UniRef90_UPI00035F6E2A
UniRef90_UPI000288A771
UniRef90_R4U245
UniRef90_U6B5B4
UniRef90_E0RCP1
UniRef90_UPI00046F134F
UniRef90_W5V0G1
UniRef90_A7HMC6
UniRef90_C0ZCP0
UniRef90_D3UHY2
UniRef90_K4RHP6
UniRef90_F9CXW7
UniRef90_V5WEZ4
UniRef90_N9Y2T3
UniRef90_D1R6R6
UniRef90_K8F1Q9
UniRef90_UPI00047ACC92
UniRef90_W4VC25
UniRef90_Q7VF67
UniRef90_UPI00047176E2
UniRef90_K0N779
UniRef90_Q6KI91
UniRef90_A3US22
UniRef90_R1GP55
UniRef90_I9KZD2
UniRef90_UPI0004660764
UniRef90_F2JMY0
UniRef90_R6UCX0
UniRef90_E7G5R7
UniRef90_UPI0004670BD9
UniRef90_A0A016QM18
UniRef90_H1X5R9
UniRef90_UPI00029AD494
UniRef90_B7CB85
UniRef90_UPI000382082E
UniRef90_R7GLI4
UniRef90_B4RA13
UniRef90_D6U4M3
UniRef90_UPI0004724480
UniRef90_A6CZ13
UniRef90_UPI0004044D5B
UniRef90_B3PMZ6
UniRef90_S0KHH7
UniRef90_R6UXJ8
UniRef90_UPI00037D9912
UniRef90_UPI0003B424D1
UniRef90_UPI0003B7282F
UniRef90_U4KQK1
UniRef90_M5JDS7
UniRef90_UPI000469470A
UniRef90_E6L9R1
UniRef90_W0A086
UniRef90_Q4A659
UniRef90_Q6MHE7
UniRef90_UPI0002197CEC

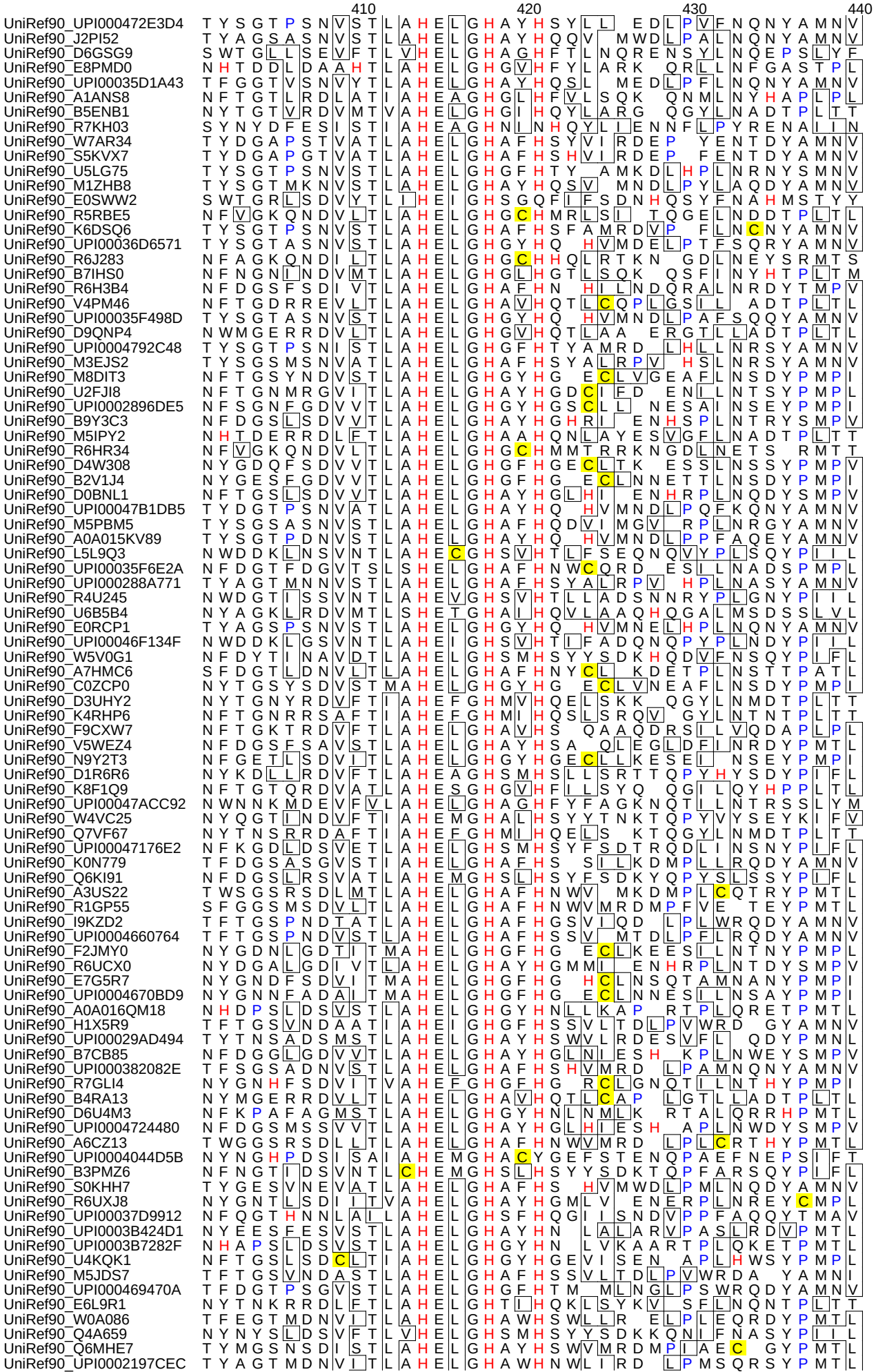

210
220
230
240
UniRef90_UPI000472E3D4
UniRef90_J2PI52
UniRef90_D6GSG9
UniRef90_E8PMD0
UniRef90_UPI00035D1A43
UniRef90_A1ANS8
UniRef90_B5ENB1
UniRef90_R7KH03
UniRef90_W7AR34
UniRef90_S5KVX7
UniRef90_U5LG75
UniRef90_M1ZHB8
UniRef90_E0SWW2
UniRef90_R5RBE5
UniRef90_K6DSQ6
UniRef90_UPI00036D6571
UniRef90_R6J283
UniRef90_B7IHS0
UniRef90_R6H3B4
UniRef90_V4PM46
UniRef90_UPI00035F498D
UniRef90_D9QNP4
UniRef90_UPI0004792C48
UniRef90_M3EJS2
UniRef90_M8DIT3
UniRef90_U2FJI8
UniRef90_UPI0002896DE5
UniRef90_B9Y3C3
UniRef90_M5IPY2
UniRef90_R6HR34
UniRef90_D4W308
UniRef90_B2V1J4
UniRef90_D0BNL1
UniRef90_UPI00047B1DB5
UniRef90_M5PBM5
UniRef90_A0A015KV89
UniRef90_L5L9Q3
UniRef90_UPI00035F6E2A
UniRef90_UPI000288A771
UniRef90_R4U245
UniRef90_U6B5B4
UniRef90_E0RCP1
UniRef90_UPI00046F134F
UniRef90_W5V0G1
UniRef90_A7HMC6
UniRef90_C0ZCP0
UniRef90_D3UHY2
UniRef90_K4RHP6
UniRef90_F9CXW7
UniRef90_V5WEZ4
UniRef90_N9Y2T3
UniRef90_D1R6R6
UniRef90_K8F1Q9
UniRef90_UPI00047ACC92
UniRef90_W4VC25
UniRef90_Q7VF67
UniRef90_UPI00047176E2
UniRef90_K0N779
UniRef90_Q6KI91
UniRef90_A3US22
UniRef90_R1GP55
UniRef90_I9KZD2
UniRef90_UPI0004660764
UniRef90_F2JMY0
UniRef90_R6UCX0
UniRef90_E7G5R7
UniRef90_UPI0004670BD9
UniRef90_A0A016QM18
UniRef90_H1X5R9
UniRef90_UPI00029AD494
UniRef90_B7CB85
UniRef90_UPI000382082E
UniRef90_R7GLI4
UniRef90_B4RA13
UniRef90_D6U4M3
UniRef90_UPI0004724480
UniRef90_A6CZ13
UniRef90_UPI0004044D5B
UniRef90_B3PMZ6
UniRef90_S0KHH7
UniRef90_R6UXJ8
UniRef90_UPI00037D9912
UniRef90_UPI0003B424D1
UniRef90_UPI0003B7282F
UniRef90_U4KQK1
UniRef90_M5JDS7
UniRef90_UPI000469470A
UniRef90_E6L9R1
UniRef90_W0A086
UniRef90_Q4A659
UniRef90_Q6MHE7
UniRef90_UPI0002197CEC

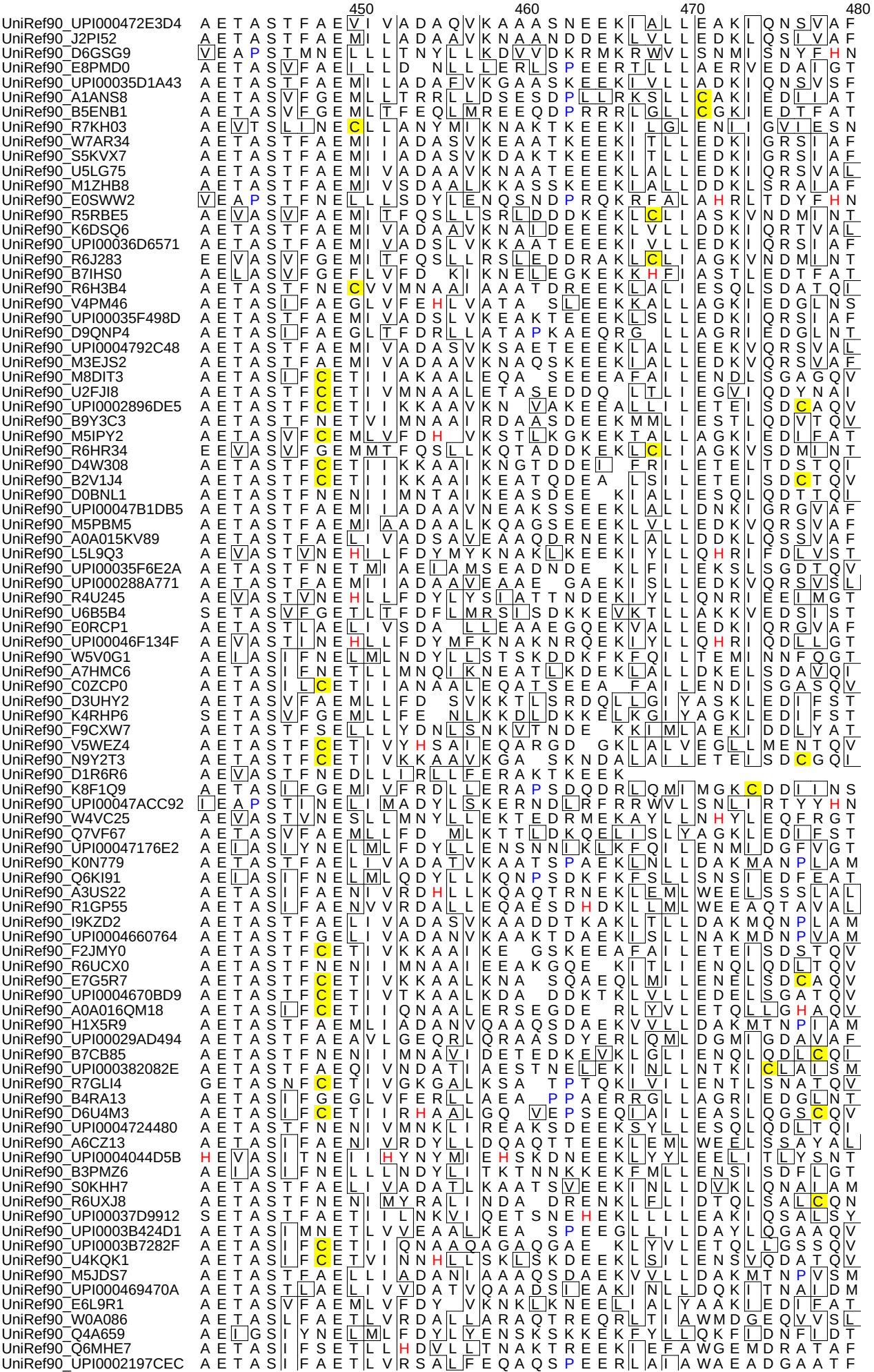

250
260
270
280
UniRef90_UPI000472E3D4
UniRef90_J2PI52
UniRef90_D6GSG9
UniRef90_E8PMD0
UniRef90_UPI00035D1A43
UniRef90_A1ANS8
UniRef90_B5ENB1
UniRef90_R7KH03
UniRef90_W7AR34
UniRef90_S5KVX7
UniRef90_U5LG75
UniRef90_M1ZHB8
UniRef90_E0SWW2
UniRef90_R5RBE5
UniRef90_K6DSQ6
UniRef90_UPI00036D6571
UniRef90_R6J283
UniRef90_B7IHS0
UniRef90_R6H3B4
UniRef90_V4PM46
UniRef90_UPI00035F498D
UniRef90_D9QNP4
UniRef90_UPI0004792C48
UniRef90_M3EJS2
UniRef90_M8DIT3
UniRef90_U2FJI8
UniRef90_UPI0002896DE5
UniRef90_B9Y3C3
UniRef90_M5IPY2
UniRef90_R6HR34
UniRef90_D4W308
UniRef90_B2V1J4
UniRef90_D0BNL1
UniRef90_UPI00047B1DB5
UniRef90_M5PBM5
UniRef90_A0A015KV89
UniRef90_L5L9Q3
UniRef90_UPI00035F6E2A
UniRef90_UPI000288A771
UniRef90_R4U245
UniRef90_U6B5B4
UniRef90_E0RCP1
UniRef90_UPI00046F134F
UniRef90_W5V0G1
UniRef90_A7HMC6
UniRef90_C0ZCP0
UniRef90_D3UHY2
UniRef90_K4RHP6
UniRef90_F9CXW7
UniRef90_V5WEZ4
UniRef90_N9Y2T3
UniRef90_D1R6R6
UniRef90_K8F1Q9
UniRef90_UPI00047ACC92
UniRef90_W4VC25
UniRef90_Q7VF67
UniRef90_UPI00047176E2
UniRef90_K0N779
UniRef90_Q6KI91
UniRef90_A3US22
UniRef90_R1GP55
UniRef90_I9KZD2
UniRef90_UPI0004660764
UniRef90_F2JMY0
UniRef90_R6UCX0
UniRef90_E7G5R7
UniRef90_UPI0004670BD9
UniRef90_A0A016QM18
UniRef90_H1X5R9
UniRef90_UPI00029AD494
UniRef90_B7CB85
UniRef90_UPI000382082E
UniRef90_R7GLI4
UniRef90_B4RA13
UniRef90_D6U4M3
UniRef90_UPI0004724480
UniRef90_A6CZ13
UniRef90_UPI0004044D5B
UniRef90_B3PMZ6
UniRef90_S0KHH7
UniRef90_R6UXJ8
UniRef90_UPI00037D9912
UniRef90_UPI0003B424D1
UniRef90_UPI0003B7282F
UniRef90_U4KQK1
UniRef90_M5JDS7
UniRef90_UPI000469470A
UniRef90_E6L9R1
UniRef90_W0A086
UniRef90_Q4A659
UniRef90_Q6MHE7
UniRef90_UPI0002197CEC

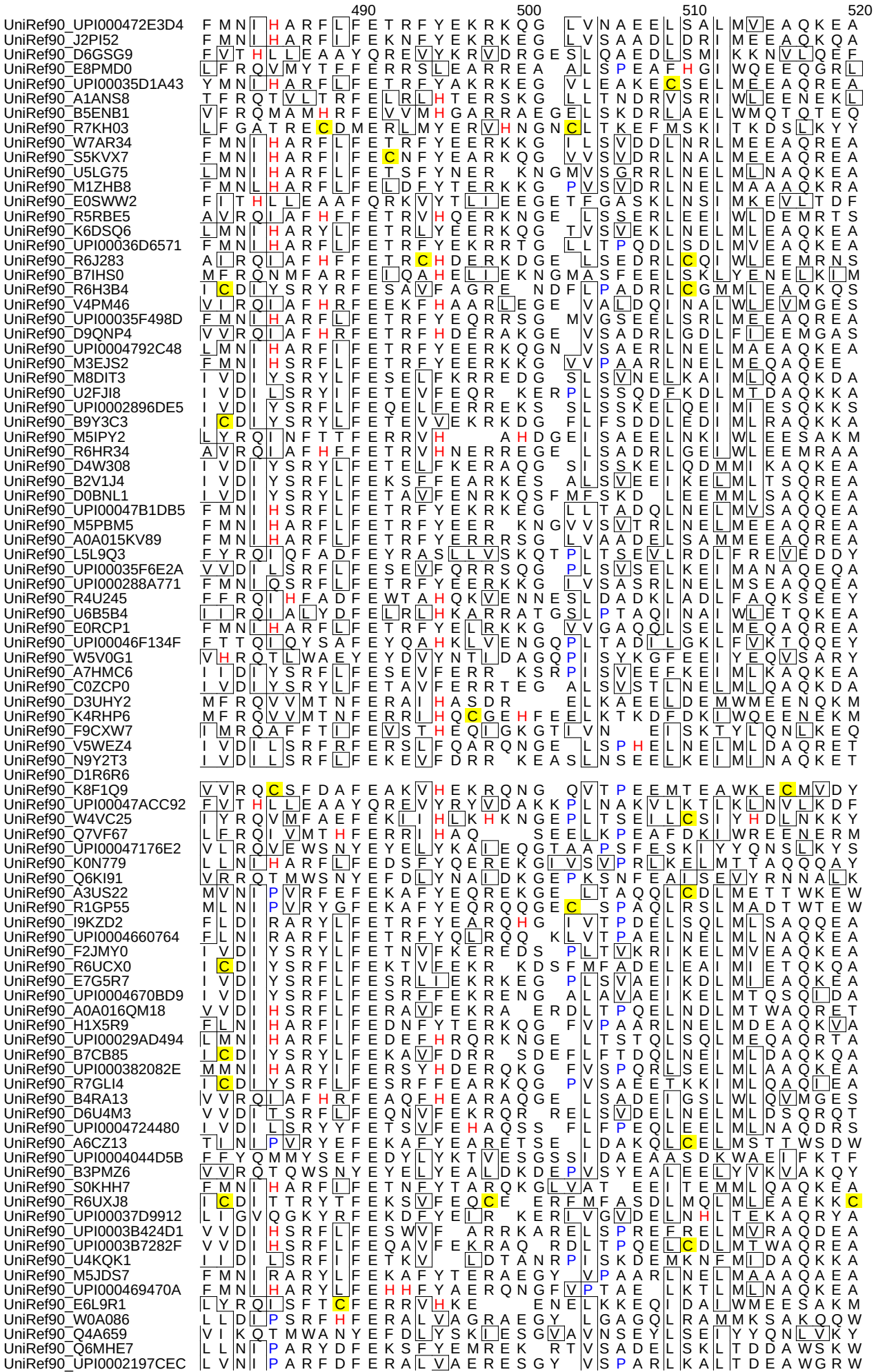

290
300
310
320
UniRef90_UPI000472E3D4
UniRef90_J2PI52
UniRef90_D6GSG9
UniRef90_E8PMD0
UniRef90_UPI00035D1A43
UniRef90_A1ANS8
UniRef90_B5ENB1
UniRef90_R7KH03
UniRef90_W7AR34
UniRef90_S5KVX7
UniRef90_U5LG75
UniRef90_M1ZHB8
UniRef90_E0SWW2
UniRef90_R5RBE5
UniRef90_K6DSQ6
UniRef90_UPI00036D6571
UniRef90_R6J283
UniRef90_B7IHS0
UniRef90_R6H3B4
UniRef90_V4PM46
UniRef90_UPI00035F498D
UniRef90_D9QNP4
UniRef90_UPI0004792C48
UniRef90_M3EJS2
UniRef90_M8DIT3
UniRef90_U2FJI8
UniRef90_UPI0002896DE5
UniRef90_B9Y3C3
UniRef90_M5IPY2
UniRef90_R6HR34
UniRef90_D4W308
UniRef90_B2V1J4
UniRef90_D0BNL1
UniRef90_UPI00047B1DB5
UniRef90_M5PBM5
UniRef90_A0A015KV89
UniRef90_L5L9Q3
UniRef90_UPI00035F6E2A
UniRef90_UPI000288A771
UniRef90_R4U245
UniRef90_U6B5B4
UniRef90_E0RCP1
UniRef90_UPI00046F134F
UniRef90_W5V0G1
UniRef90_A7HMC6
UniRef90_C0ZCP0
UniRef90_D3UHY2
UniRef90_K4RHP6
UniRef90_F9CXW7
UniRef90_V5WEZ4
UniRef90_N9Y2T3
UniRef90_D1R6R6
UniRef90_K8F1Q9
UniRef90_UPI00047ACC92
UniRef90_W4VC25
UniRef90_Q7VF67
UniRef90_UPI00047176E2
UniRef90_K0N779
UniRef90_Q6KI91
UniRef90_A3US22
UniRef90_R1GP55
UniRef90_I9KZD2
UniRef90_UPI0004660764
UniRef90_F2JMY0
UniRef90_R6UCX0
UniRef90_E7G5R7
UniRef90_UPI0004670BD9
UniRef90_A0A016QM18
UniRef90_H1X5R9
UniRef90_UPI00029AD494
UniRef90_B7CB85
UniRef90_UPI000382082E
UniRef90_R7GLI4
UniRef90_B4RA13
UniRef90_D6U4M3
UniRef90_UPI0004724480
UniRef90_A6CZ13
UniRef90_UPI0004044D5B
UniRef90_B3PMZ6
UniRef90_S0KHH7
UniRef90_R6UXJ8
UniRef90_UPI00037D9912
UniRef90_UPI0003B424D1
UniRef90_UPI0003B7282F
UniRef90_U4KQK1
UniRef90_M5JDS7
UniRef90_UPI000469470A
UniRef90_E6L9R1
UniRef90_W0A086
UniRef90_Q4A659
UniRef90_Q6MHE7
UniRef90_UPI0002197CEC

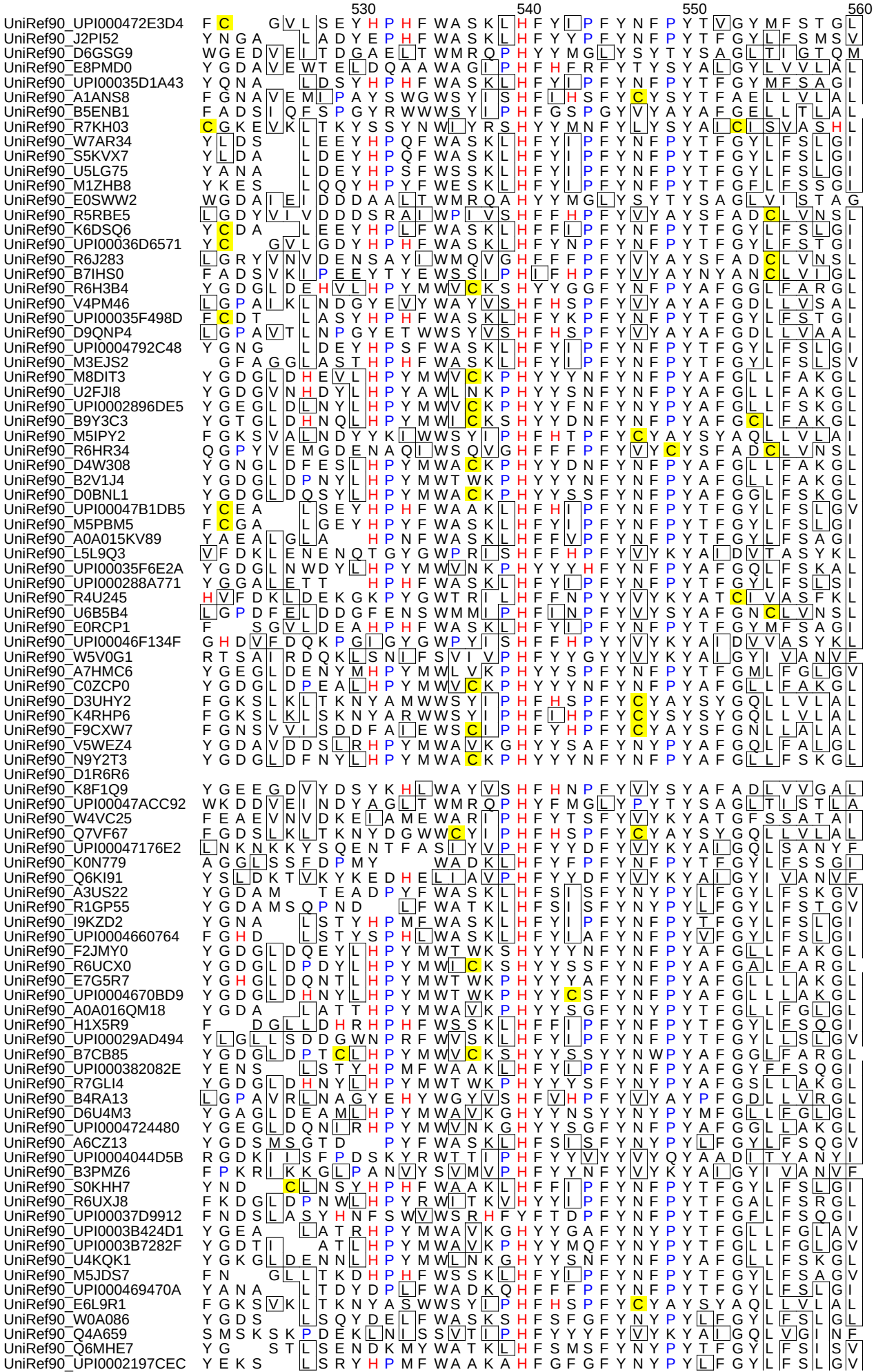

330
340
350
360
UniRef90_UPI000472E3D4
UniRef90_J2PI52
UniRef90_D6GSG9
UniRef90_E8PMD0
UniRef90_UPI00035D1A43
UniRef90_A1ANS8
UniRef90_B5ENB1
UniRef90_R7KH03
UniRef90_W7AR34
UniRef90_S5KVX7
UniRef90_U5LG75
UniRef90_M1ZHB8
UniRef90_E0SWW2
UniRef90_R5RBE5
UniRef90_K6DSQ6
UniRef90_UPI00036D6571
UniRef90_R6J283
UniRef90_B7IHS0
UniRef90_R6H3B4
UniRef90_V4PM46
UniRef90_UPI00035F498D
UniRef90_D9QNP4
UniRef90_UPI0004792C48
UniRef90_M3EJS2
UniRef90_M8DIT3
UniRef90_U2FJI8
UniRef90_UPI0002896DE5
UniRef90_B9Y3C3
UniRef90_M5IPY2
UniRef90_R6HR34
UniRef90_D4W308
UniRef90_B2V1J4
UniRef90_D0BNL1
UniRef90_UPI00047B1DB5
UniRef90_M5PBM5
UniRef90_A0A015KV89
UniRef90_L5L9Q3
UniRef90_UPI00035F6E2A
UniRef90_UPI000288A771
UniRef90_R4U245
UniRef90_U6B5B4
UniRef90_E0RCP1
UniRef90_UPI00046F134F
UniRef90_W5V0G1
UniRef90_A7HMC6
UniRef90_C0ZCP0
UniRef90_D3UHY2
UniRef90_K4RHP6
UniRef90_F9CXW7
UniRef90_V5WEZ4
UniRef90_N9Y2T3
UniRef90_D1R6R6
UniRef90_K8F1Q9
UniRef90_UPI00047ACC92
UniRef90_W4VC25
UniRef90_Q7VF67
UniRef90_UPI00047176E2
UniRef90_K0N779
UniRef90_Q6KI91
UniRef90_A3US22
UniRef90_R1GP55
UniRef90_I9KZD2
UniRef90_UPI0004660764
UniRef90_F2JMY0
UniRef90_R6UCX0
UniRef90_E7G5R7
UniRef90_UPI0004670BD9
UniRef90_A0A016QM18
UniRef90_H1X5R9
UniRef90_UPI00029AD494
UniRef90_B7CB85
UniRef90_UPI000382082E
UniRef90_R7GLI4
UniRef90_B4RA13
UniRef90_D6U4M3
UniRef90_UPI0004724480
UniRef90_A6CZ13
UniRef90_UPI0004044D5B
UniRef90_B3PMZ6
UniRef90_S0KHH7
UniRef90_R6UXJ8
UniRef90_UPI00037D9912
UniRef90_UPI0003B424D1
UniRef90_UPI0003B7282F
UniRef90_U4KQK1
UniRef90_M5JDS7
UniRef90_UPI000469470A
UniRef90_E6L9R1
UniRef90_W0A086
UniRef90_Q4A659
UniRef90_Q6MHE7
UniRef90_UPI0002197CEC

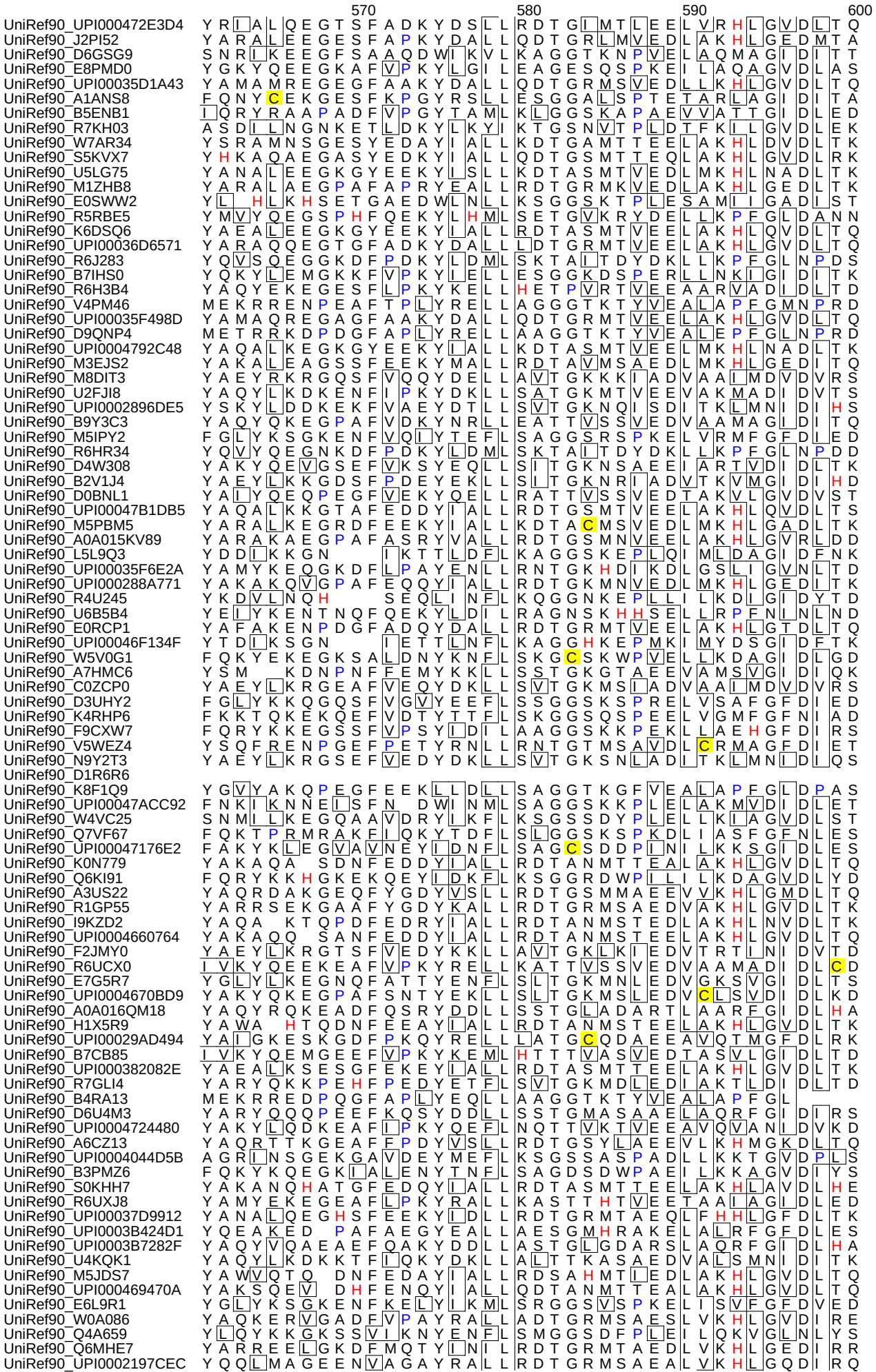

370
380
390
400
UniRef90_UPI000472E3D4
UniRef90_J2PI52
UniRef90_D6GSG9
UniRef90_E8PMD0
UniRef90_UPI00035D1A43
UniRef90_A1ANS8
UniRef90_B5ENB1
UniRef90_R7KH03
UniRef90_W7AR34
UniRef90_S5KVX7
UniRef90_U5LG75
UniRef90_M1ZHB8
UniRef90_E0SWW2
UniRef90_R5RBE5
UniRef90_K6DSQ6
UniRef90_UPI00036D6571
UniRef90_R6J283
UniRef90_B7IHS0
UniRef90_R6H3B4
UniRef90_V4PM46
UniRef90_UPI00035F498D
UniRef90_D9QNP4
UniRef90_UPI0004792C48
UniRef90_M3EJS2
UniRef90_M8DIT3
UniRef90_U2FJI8
UniRef90_UPI0002896DE5
UniRef90_B9Y3C3
UniRef90_M5IPY2
UniRef90_R6HR34
UniRef90_D4W308
UniRef90_B2V1J4
UniRef90_D0BNL1
UniRef90_UPI00047B1DB5
UniRef90_M5PBM5
UniRef90_A0A015KV89
UniRef90_L5L9Q3
UniRef90_UPI00035F6E2A
UniRef90_UPI000288A771
UniRef90_R4U245
UniRef90_U6B5B4
UniRef90_E0RCP1
UniRef90_UPI00046F134F
UniRef90_W5V0G1
UniRef90_A7HMC6
UniRef90_C0ZCP0
UniRef90_D3UHY2
UniRef90_K4RHP6
UniRef90_F9CXW7
UniRef90_V5WEZ4
UniRef90_N9Y2T3
UniRef90_D1R6R6
UniRef90_K8F1Q9
UniRef90_UPI00047ACC92
UniRef90_W4VC25
UniRef90_Q7VF67
UniRef90_UPI00047176E2
UniRef90_K0N779
UniRef90_Q6KI91
UniRef90_A3US22
UniRef90_R1GP55
UniRef90_I9KZD2
UniRef90_UPI0004660764
UniRef90_F2JMY0
UniRef90_R6UCX0
UniRef90_E7G5R7
UniRef90_UPI0004670BD9
UniRef90_A0A016QM18
UniRef90_H1X5R9
UniRef90_UPI00029AD494
UniRef90_B7CB85
UniRef90_UPI000382082E
UniRef90_R7GLI4
UniRef90_B4RA13
UniRef90_D6U4M3
UniRef90_UPI0004724480
UniRef90_A6CZ13
UniRef90_UPI0004044D5B
UniRef90_B3PMZ6
UniRef90_S0KHH7
UniRef90_R6UXJ8
UniRef90_UPI00037D9912
UniRef90_UPI0003B424D1
UniRef90_UPI0003B7282F
UniRef90_U4KQK1
UniRef90_M5JDS7
UniRef90_UPI000469470A
UniRef90_E6L9R1
UniRef90_W0A086
UniRef90_Q4A659
UniRef90_Q6MHE7
UniRef90_UPI0002197CEC

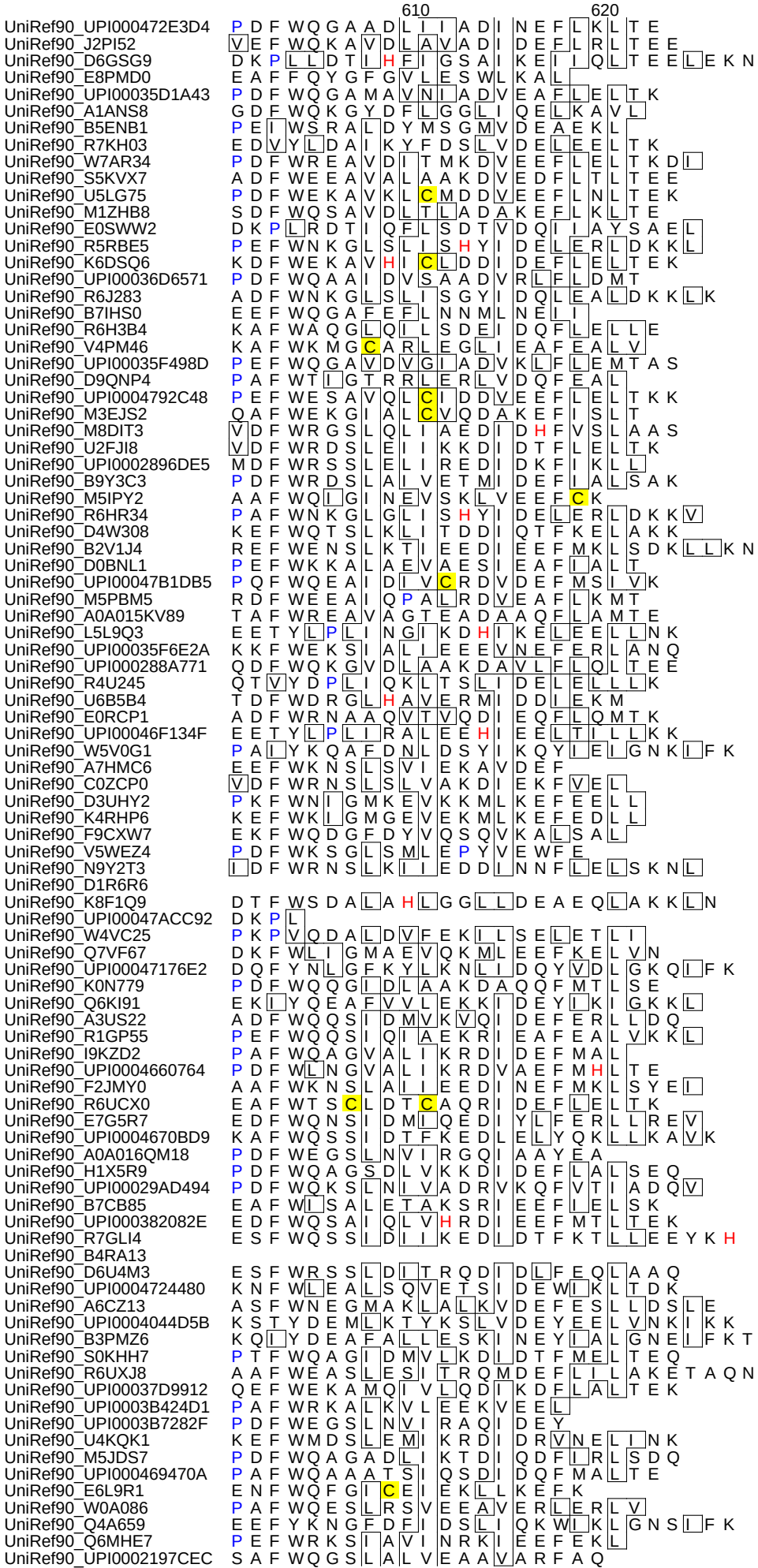

410
420
430
440
UniRef90_UPI000472E3D4
UniRef90_J2PI52
UniRef90_D6GSG9
UniRef90_E8PMD0
UniRef90_UPI00035D1A43
UniRef90_A1ANS8
UniRef90_B5ENB1
UniRef90_R7KH03
UniRef90_W7AR34
UniRef90_S5KVX7
UniRef90_U5LG75
UniRef90_M1ZHB8
UniRef90_E0SWW2
UniRef90_R5RBE5
UniRef90_K6DSQ6
UniRef90_UPI00036D6571
UniRef90_R6J283
UniRef90_B7IHS0
UniRef90_R6H3B4
UniRef90_V4PM46
UniRef90_UPI00035F498D
UniRef90_D9QNP4
UniRef90_UPI0004792C48
UniRef90_M3EJS2
UniRef90_M8DIT3
UniRef90_U2FJI8
UniRef90_UPI0002896DE5
UniRef90_B9Y3C3
UniRef90_M5IPY2
UniRef90_R6HR34
UniRef90_D4W308
UniRef90_B2V1J4
UniRef90_D0BNL1
UniRef90_UPI00047B1DB5
UniRef90_M5PBM5
UniRef90_A0A015KV89
UniRef90_L5L9Q3
UniRef90_UPI00035F6E2A
UniRef90_UPI000288A771
UniRef90_R4U245
UniRef90_U6B5B4
UniRef90_E0RCP1
UniRef90_UPI00046F134F
UniRef90_W5V0G1
UniRef90_A7HMC6
UniRef90_C0ZCP0
UniRef90_D3UHY2
UniRef90_K4RHP6
UniRef90_F9CXW7
UniRef90_V5WEZ4
UniRef90_N9Y2T3
UniRef90_D1R6R6
UniRef90_K8F1Q9
UniRef90_UPI00047ACC92
UniRef90_W4VC25
UniRef90_Q7VF67
UniRef90_UPI00047176E2
UniRef90_K0N779
UniRef90_Q6KI91
UniRef90_A3US22
UniRef90_R1GP55
UniRef90_I9KZD2
UniRef90_UPI0004660764
UniRef90_F2JMY0
UniRef90_R6UCX0
UniRef90_E7G5R7
UniRef90_UPI0004670BD9
UniRef90_A0A016QM18
UniRef90_H1X5R9
UniRef90_UPI00029AD494
UniRef90_B7CB85
UniRef90_UPI000382082E
UniRef90_R7GLI4
UniRef90_B4RA13
UniRef90_D6U4M3
UniRef90_UPI0004724480
UniRef90_A6CZ13
UniRef90_UPI0004044D5B
UniRef90_B3PMZ6
UniRef90_S0KHH7
UniRef90_R6UXJ8
UniRef90_UPI00037D9912
UniRef90_UPI0003B424D1
UniRef90_UPI0003B7282F
UniRef90_U4KQK1
UniRef90_M5JDS7
UniRef90_UPI000469470A
UniRef90_E6L9R1
UniRef90_W0A086
UniRef90_Q4A659
UniRef90_Q6MHE7
UniRef90_UPI0002197CEC

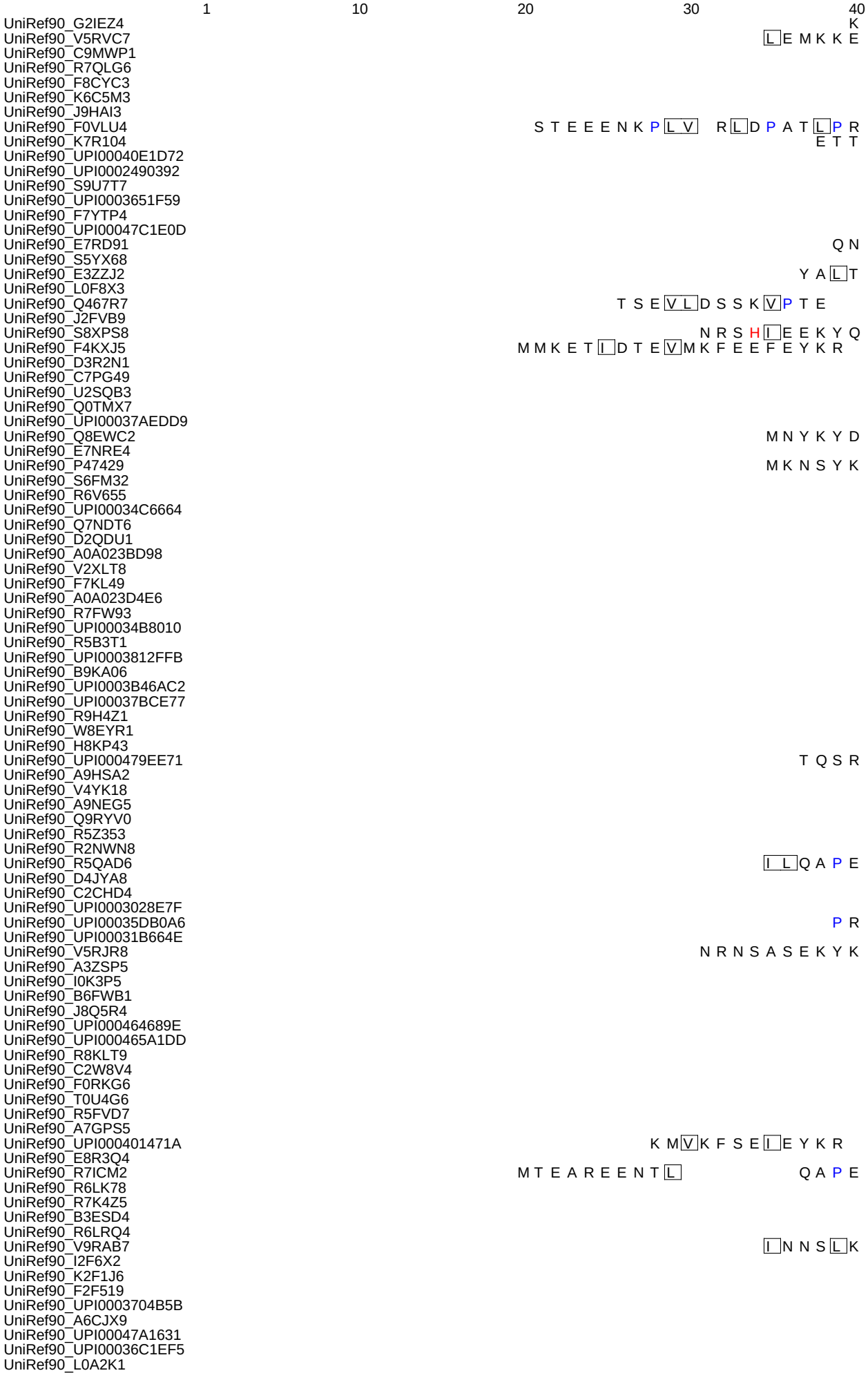

450
460
470
480
UniRef90_UPI000472E3D4
UniRef90_J2PI52
UniRef90_D6GSG9
UniRef90_E8PMD0
UniRef90_UPI00035D1A43
UniRef90_A1ANS8
UniRef90_B5ENB1
UniRef90_R7KH03
UniRef90_W7AR34
UniRef90_S5KVX7
UniRef90_U5LG75
UniRef90_M1ZHB8
UniRef90_E0SWW2
UniRef90_R5RBE5
UniRef90_K6DSQ6
UniRef90_UPI00036D6571
UniRef90_R6J283
UniRef90_B7IHS0
UniRef90_R6H3B4
UniRef90_V4PM46
UniRef90_UPI00035F498D
UniRef90_D9QNP4
UniRef90_UPI0004792C48
UniRef90_M3EJS2
UniRef90_M8DIT3
UniRef90_U2FJI8
UniRef90_UPI0002896DE5
UniRef90_B9Y3C3
UniRef90_M5IPY2
UniRef90_R6HR34
UniRef90_D4W308
UniRef90_B2V1J4
UniRef90_D0BNL1
UniRef90_UPI00047B1DB5
UniRef90_M5PBM5
UniRef90_A0A015KV89
UniRef90_L5L9Q3
UniRef90_UPI00035F6E2A
UniRef90_UPI000288A771
UniRef90_R4U245
UniRef90_U6B5B4
UniRef90_E0RCP1
UniRef90_UPI00046F134F
UniRef90_W5V0G1
UniRef90_A7HMC6
UniRef90_C0ZCP0
UniRef90_D3UHY2
UniRef90_K4RHP6
UniRef90_F9CXW7
UniRef90_V5WEZ4
UniRef90_N9Y2T3
UniRef90_D1R6R6
UniRef90_K8F1Q9
UniRef90_UPI00047ACC92
UniRef90_W4VC25
UniRef90_Q7VF67
UniRef90_UPI00047176E2
UniRef90_K0N779
UniRef90_Q6KI91
UniRef90_A3US22
UniRef90_R1GP55
UniRef90_I9KZD2
UniRef90_UPI0004660764
UniRef90_F2JMY0
UniRef90_R6UCX0
UniRef90_E7G5R7
UniRef90_UPI0004670BD9
UniRef90_A0A016QM18
UniRef90_H1X5R9
UniRef90_UPI00029AD494
UniRef90_B7CB85
UniRef90_UPI000382082E
UniRef90_R7GLI4
UniRef90_B4RA13
UniRef90_D6U4M3
UniRef90_UPI0004724480
UniRef90_A6CZ13
UniRef90_UPI0004044D5B
UniRef90_B3PMZ6
UniRef90_S0KHH7
UniRef90_R6UXJ8
UniRef90_UPI00037D9912
UniRef90_UPI0003B424D1
UniRef90_UPI0003B7282F
UniRef90_U4KQK1
UniRef90_M5JDS7
UniRef90_UPI000469470A
UniRef90_E6L9R1
UniRef90_W0A086
UniRef90_Q4A659
UniRef90_Q6MHE7
UniRef90_UPI0002197CEC

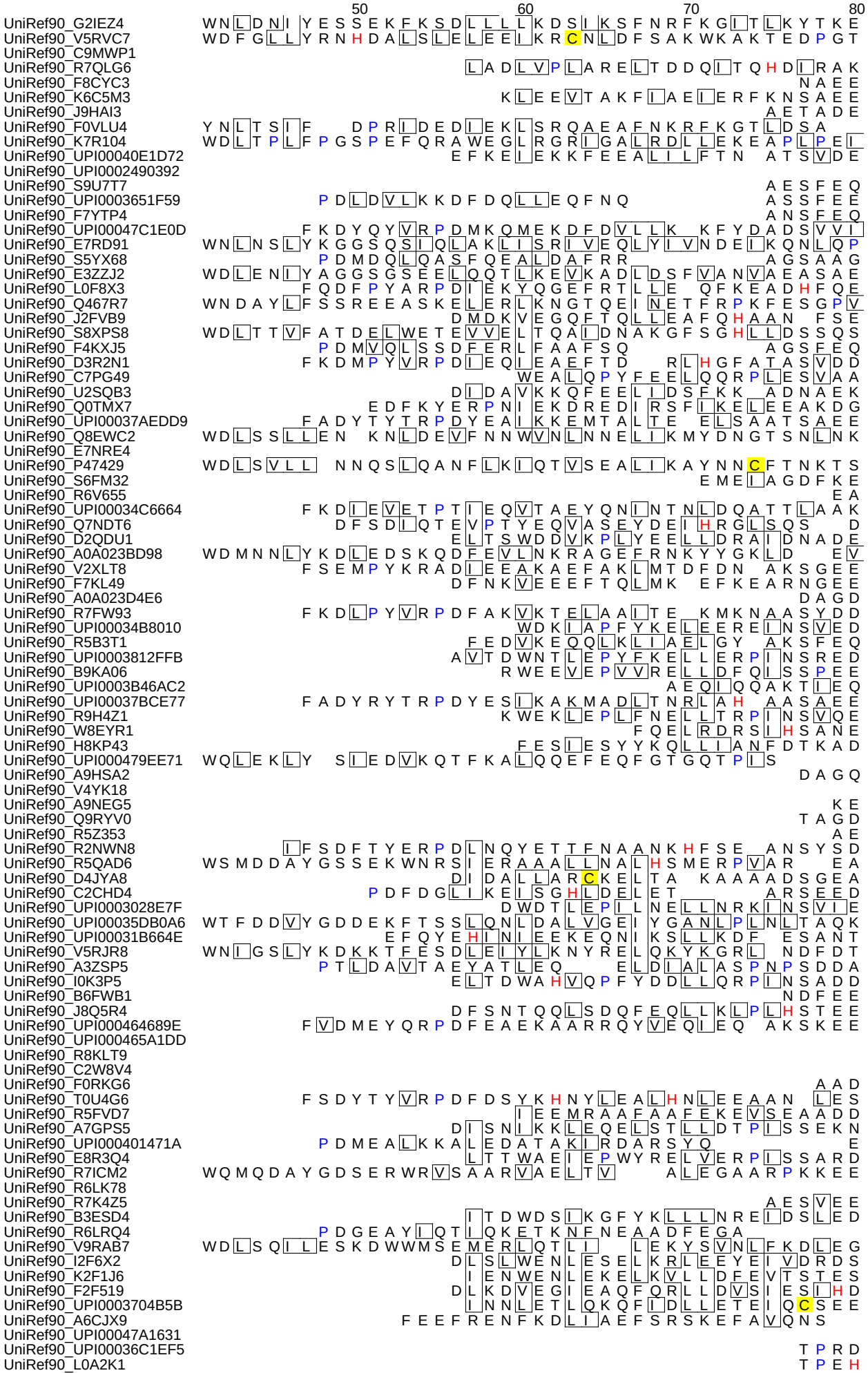

490
500
510
520
UniRef90_UPI000472E3D4
UniRef90_J2PI52
UniRef90_D6GSG9
UniRef90_E8PMD0
UniRef90_UPI00035D1A43
UniRef90_A1ANS8
UniRef90_B5ENB1
UniRef90_R7KH03
UniRef90_W7AR34
UniRef90_S5KVX7
UniRef90_U5LG75
UniRef90_M1ZHB8
UniRef90_E0SWW2
UniRef90_R5RBE5
UniRef90_K6DSQ6
UniRef90_UPI00036D6571
UniRef90_R6J283
UniRef90_B7IHS0
UniRef90_R6H3B4
UniRef90_V4PM46
UniRef90_UPI00035F498D
UniRef90_D9QNP4
UniRef90_UPI0004792C48
UniRef90_M3EJS2
UniRef90_M8DIT3
UniRef90_U2FJI8
UniRef90_UPI0002896DE5
UniRef90_B9Y3C3
UniRef90_M5IPY2
UniRef90_R6HR34
UniRef90_D4W308
UniRef90_B2V1J4
UniRef90_D0BNL1
UniRef90_UPI00047B1DB5
UniRef90_M5PBM5
UniRef90_A0A015KV89
UniRef90_L5L9Q3
UniRef90_UPI00035F6E2A
UniRef90_UPI000288A771
UniRef90_R4U245
UniRef90_U6B5B4
UniRef90_E0RCP1
UniRef90_UPI00046F134F
UniRef90_W5V0G1
UniRef90_A7HMC6
UniRef90_C0ZCP0
UniRef90_D3UHY2
UniRef90_K4RHP6
UniRef90_F9CXW7
UniRef90_V5WEZ4
UniRef90_N9Y2T3
UniRef90_D1R6R6
UniRef90_K8F1Q9
UniRef90_UPI00047ACC92
UniRef90_W4VC25
UniRef90_Q7VF67
UniRef90_UPI00047176E2
UniRef90_K0N779
UniRef90_Q6KI91
UniRef90_A3US22
UniRef90_R1GP55
UniRef90_I9KZD2
UniRef90_UPI0004660764
UniRef90_F2JMY0
UniRef90_R6UCX0
UniRef90_E7G5R7
UniRef90_UPI0004670BD9
UniRef90_A0A016QM18
UniRef90_H1X5R9
UniRef90_UPI00029AD494
UniRef90_B7CB85
UniRef90_UPI000382082E
UniRef90_R7GLI4
UniRef90_B4RA13
UniRef90_D6U4M3
UniRef90_UPI0004724480
UniRef90_A6CZ13
UniRef90_UPI0004044D5B
UniRef90_B3PMZ6
UniRef90_S0KHH7
UniRef90_R6UXJ8
UniRef90_UPI00037D9912
UniRef90_UPI0003B424D1
UniRef90_UPI0003B7282F
UniRef90_U4KQK1
UniRef90_M5JDS7
UniRef90_UPI000469470A
UniRef90_E6L9R1
UniRef90_W0A086
UniRef90_Q4A659
UniRef90_Q6MHE7
UniRef90_UPI0002197CEC

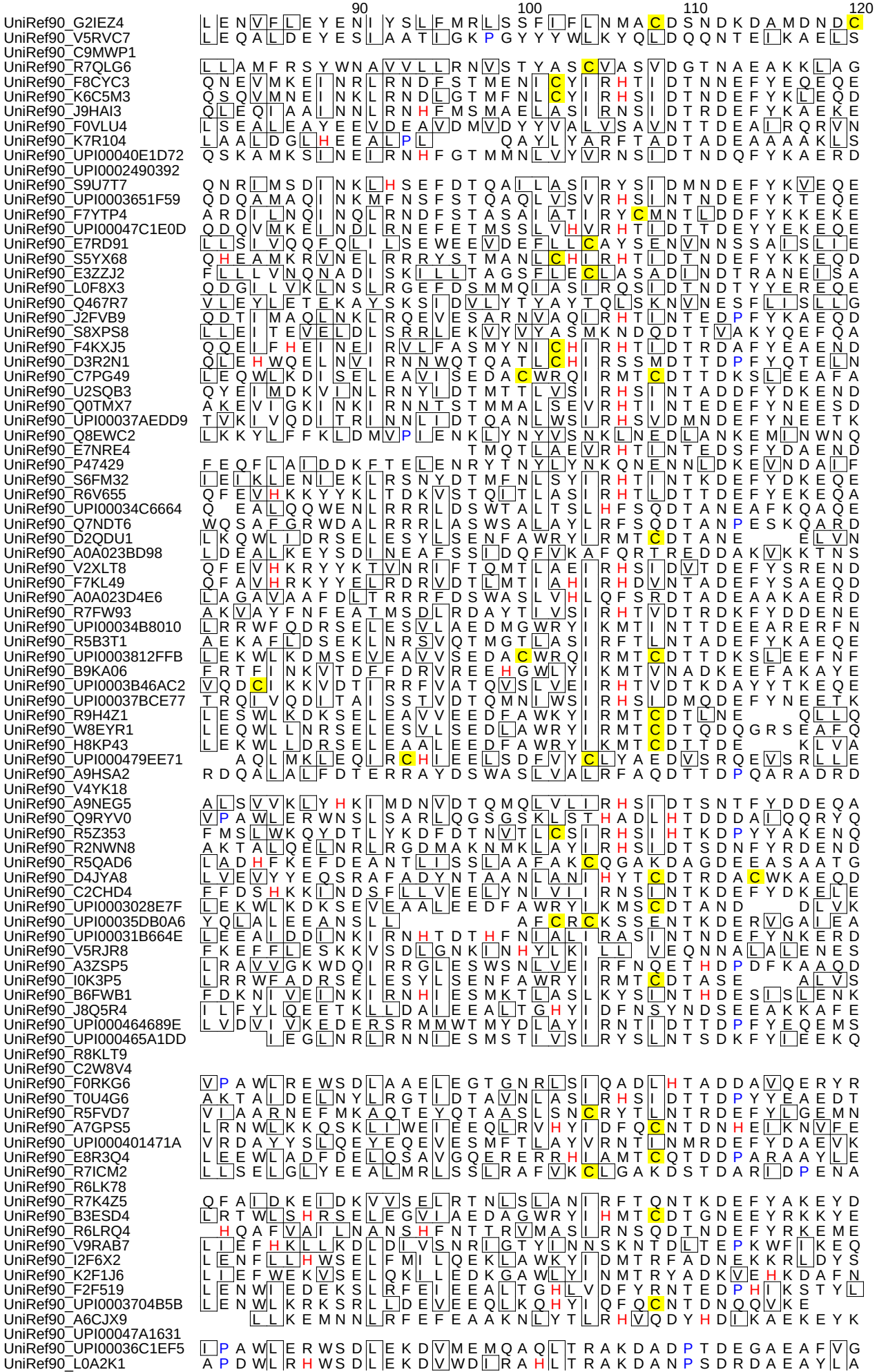

530
540
550
560
UniRef90_UPI000472E3D4
UniRef90_J2PI52
UniRef90_D6GSG9
UniRef90_E8PMD0
UniRef90_UPI00035D1A43
UniRef90_A1ANS8
UniRef90_B5ENB1
UniRef90_R7KH03
UniRef90_W7AR34
UniRef90_S5KVX7
UniRef90_U5LG75
UniRef90_M1ZHB8
UniRef90_E0SWW2
UniRef90_R5RBE5
UniRef90_K6DSQ6
UniRef90_UPI00036D6571
UniRef90_R6J283
UniRef90_B7IHS0
UniRef90_R6H3B4
UniRef90_V4PM46
UniRef90_UPI00035F498D
UniRef90_D9QNP4
UniRef90_UPI0004792C48
UniRef90_M3EJS2
UniRef90_M8DIT3
UniRef90_U2FJI8
UniRef90_UPI0002896DE5
UniRef90_B9Y3C3
UniRef90_M5IPY2
UniRef90_R6HR34
UniRef90_D4W308
UniRef90_B2V1J4
UniRef90_D0BNL1
UniRef90_UPI00047B1DB5
UniRef90_M5PBM5
UniRef90_A0A015KV89
UniRef90_L5L9Q3
UniRef90_UPI00035F6E2A
UniRef90_UPI000288A771
UniRef90_R4U245
UniRef90_U6B5B4
UniRef90_E0RCP1
UniRef90_UPI00046F134F
UniRef90_W5V0G1
UniRef90_A7HMC6
UniRef90_C0ZCP0
UniRef90_D3UHY2
UniRef90_K4RHP6
UniRef90_F9CXW7
UniRef90_V5WEZ4
UniRef90_N9Y2T3
UniRef90_D1R6R6
UniRef90_K8F1Q9
UniRef90_UPI00047ACC92
UniRef90_W4VC25
UniRef90_Q7VF67
UniRef90_UPI00047176E2
UniRef90_K0N779
UniRef90_Q6KI91
UniRef90_A3US22
UniRef90_R1GP55
UniRef90_I9KZD2
UniRef90_UPI0004660764
UniRef90_F2JMY0
UniRef90_R6UCX0
UniRef90_E7G5R7
UniRef90_UPI0004670BD9
UniRef90_A0A016QM18
UniRef90_H1X5R9
UniRef90_UPI00029AD494
UniRef90_B7CB85
UniRef90_UPI000382082E
UniRef90_R7GLI4
UniRef90_B4RA13
UniRef90_D6U4M3
UniRef90_UPI0004724480
UniRef90_A6CZ13
UniRef90_UPI0004044D5B
UniRef90_B3PMZ6
UniRef90_S0KHH7
UniRef90_R6UXJ8
UniRef90_UPI00037D9912
UniRef90_UPI0003B424D1
UniRef90_UPI0003B7282F
UniRef90_U4KQK1
UniRef90_M5JDS7
UniRef90_UPI000469470A
UniRef90_E6L9R1
UniRef90_W0A086
UniRef90_Q4A659
UniRef90_Q6MHE7
UniRef90_UPI0002197CEC

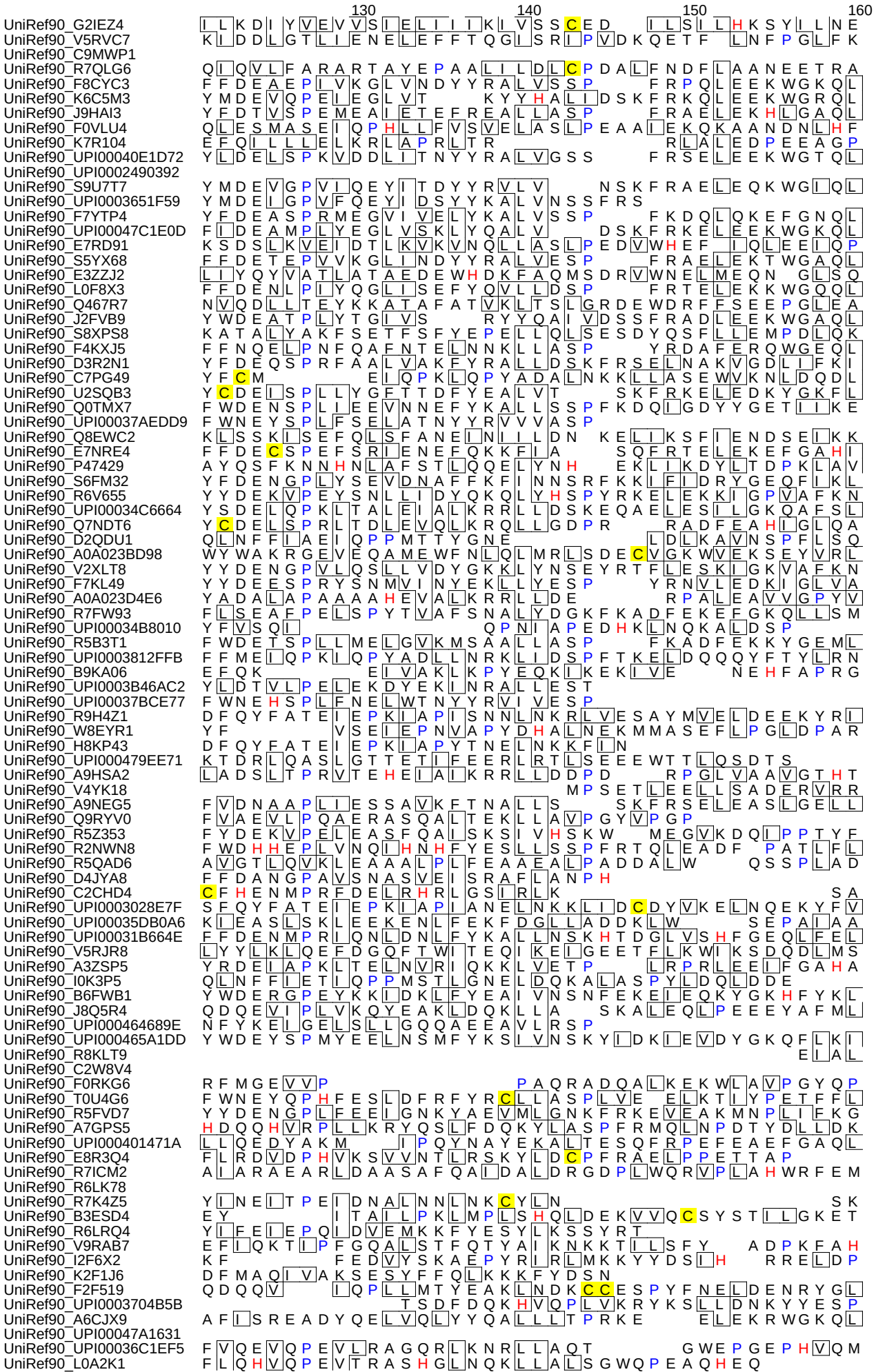

570
580
590
600
UniRef90_UPI000472E3D4
UniRef90_J2PI52
UniRef90_D6GSG9
UniRef90_E8PMD0
UniRef90_UPI00035D1A43
UniRef90_A1ANS8
UniRef90_B5ENB1
UniRef90_R7KH03
UniRef90_W7AR34
UniRef90_S5KVX7
UniRef90_U5LG75
UniRef90_M1ZHB8
UniRef90_E0SWW2
UniRef90_R5RBE5
UniRef90_K6DSQ6
UniRef90_UPI00036D6571
UniRef90_R6J283
UniRef90_B7IHS0
UniRef90_R6H3B4
UniRef90_V4PM46
UniRef90_UPI00035F498D
UniRef90_D9QNP4
UniRef90_UPI0004792C48
UniRef90_M3EJS2
UniRef90_M8DIT3
UniRef90_U2FJI8
UniRef90_UPI0002896DE5
UniRef90_B9Y3C3
UniRef90_M5IPY2
UniRef90_R6HR34
UniRef90_D4W308
UniRef90_B2V1J4
UniRef90_D0BNL1
UniRef90_UPI00047B1DB5
UniRef90_M5PBM5
UniRef90_A0A015KV89
UniRef90_L5L9Q3
UniRef90_UPI00035F6E2A
UniRef90_UPI000288A771
UniRef90_R4U245
UniRef90_U6B5B4
UniRef90_E0RCP1
UniRef90_UPI00046F134F
UniRef90_W5V0G1
UniRef90_A7HMC6
UniRef90_C0ZCP0
UniRef90_D3UHY2
UniRef90_K4RHP6
UniRef90_F9CXW7
UniRef90_V5WEZ4
UniRef90_N9Y2T3
UniRef90_D1R6R6
UniRef90_K8F1Q9
UniRef90_UPI00047ACC92
UniRef90_W4VC25
UniRef90_Q7VF67
UniRef90_UPI00047176E2
UniRef90_K0N779
UniRef90_Q6KI91
UniRef90_A3US22
UniRef90_R1GP55
UniRef90_I9KZD2
UniRef90_UPI0004660764
UniRef90_F2JMY0
UniRef90_R6UCX0
UniRef90_E7G5R7
UniRef90_UPI0004670BD9
UniRef90_A0A016QM18
UniRef90_H1X5R9
UniRef90_UPI00029AD494
UniRef90_B7CB85
UniRef90_UPI000382082E
UniRef90_R7GLI4
UniRef90_B4RA13
UniRef90_D6U4M3
UniRef90_UPI0004724480
UniRef90_A6CZ13
UniRef90_UPI0004044D5B
UniRef90_B3PMZ6
UniRef90_S0KHH7
UniRef90_R6UXJ8
UniRef90_UPI00037D9912
UniRef90_UPI0003B424D1
UniRef90_UPI0003B7282F
UniRef90_U4KQK1
UniRef90_M5JDS7
UniRef90_UPI000469470A
UniRef90_E6L9R1
UniRef90_W0A086
UniRef90_Q4A659
UniRef90_Q6MHE7
UniRef90_UPI0002197CEC

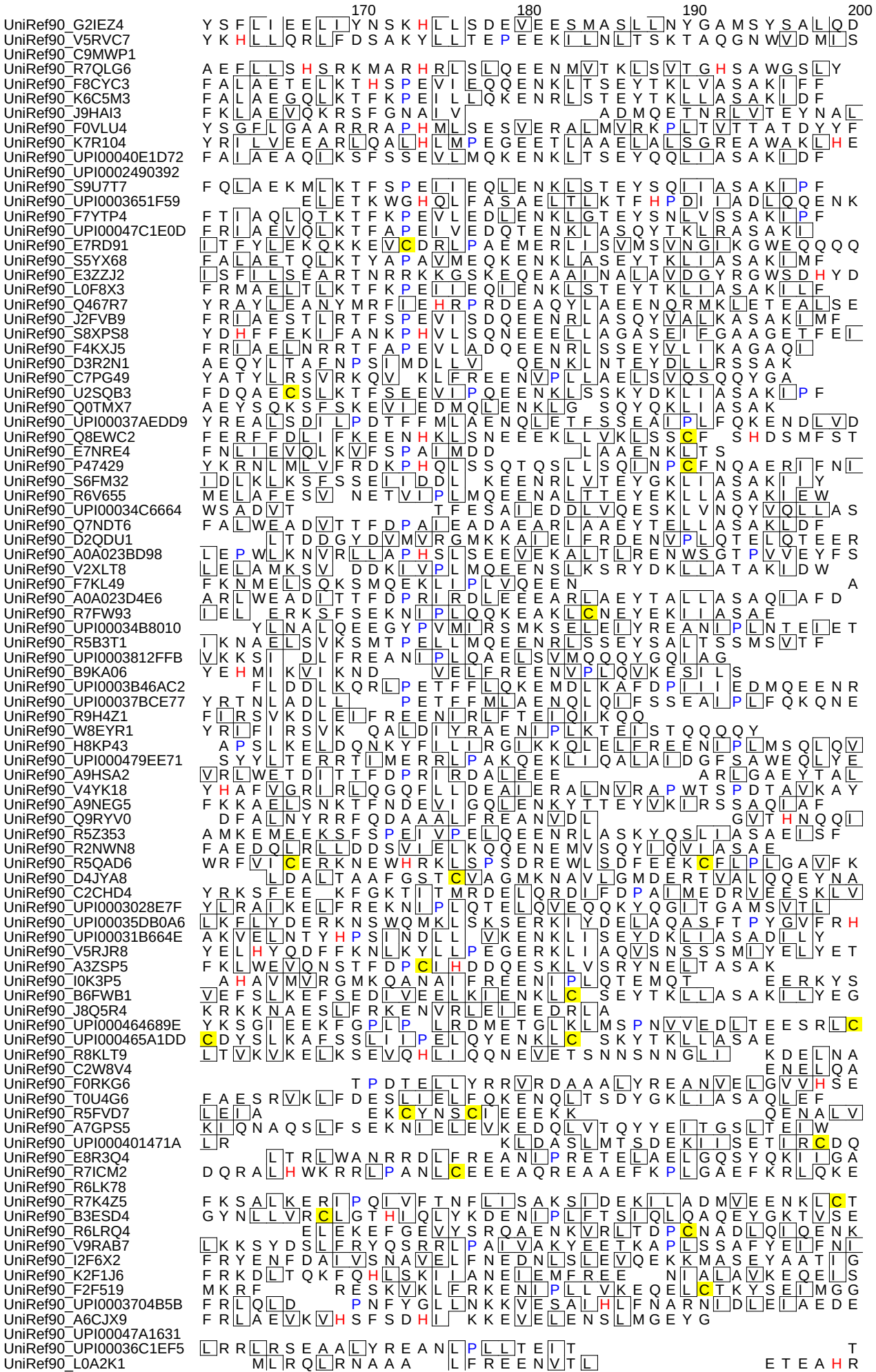

610
620
UniRef90_UPI000472E3D4
UniRef90_J2PI52
UniRef90_D6GSG9
UniRef90_E8PMD0
UniRef90_UPI00035D1A43
UniRef90_A1ANS8
UniRef90_B5ENB1
UniRef90_R7KH03
UniRef90_W7AR34
UniRef90_S5KVX7
UniRef90_U5LG75
UniRef90_M1ZHB8
UniRef90_E0SWW2
UniRef90_R5RBE5
UniRef90_K6DSQ6
UniRef90_UPI00036D6571
UniRef90_R6J283
UniRef90_B7IHS0
UniRef90_R6H3B4
UniRef90_V4PM46
UniRef90_UPI00035F498D
UniRef90_D9QNP4
UniRef90_UPI0004792C48
UniRef90_M3EJS2
UniRef90_M8DIT3
UniRef90_U2FJI8
UniRef90_UPI0002896DE5
UniRef90_B9Y3C3
UniRef90_M5IPY2
UniRef90_R6HR34
UniRef90_D4W308
UniRef90_B2V1J4
UniRef90_D0BNL1
UniRef90_UPI00047B1DB5
UniRef90_M5PBM5
UniRef90_A0A015KV89
UniRef90_L5L9Q3
UniRef90_UPI00035F6E2A
UniRef90_UPI000288A771
UniRef90_R4U245
UniRef90_U6B5B4
UniRef90_E0RCP1
UniRef90_UPI00046F134F
UniRef90_W5V0G1
UniRef90_A7HMC6
UniRef90_C0ZCP0
UniRef90_D3UHY2
UniRef90_K4RHP6
UniRef90_F9CXW7
UniRef90_V5WEZ4
UniRef90_N9Y2T3
UniRef90_D1R6R6
UniRef90_K8F1Q9
UniRef90_UPI00047ACC92
UniRef90_W4VC25
UniRef90_Q7VF67
UniRef90_UPI00047176E2
UniRef90_K0N779
UniRef90_Q6KI91
UniRef90_A3US22
UniRef90_R1GP55
UniRef90_I9KZD2
UniRef90_UPI0004660764
UniRef90_F2JMY0
UniRef90_R6UCX0
UniRef90_E7G5R7
UniRef90_UPI0004670BD9
UniRef90_A0A016QM18
UniRef90_H1X5R9
UniRef90_UPI00029AD494
UniRef90_B7CB85
UniRef90_UPI000382082E
UniRef90_R7GLI4
UniRef90_B4RA13
UniRef90_D6U4M3
UniRef90_UPI0004724480
UniRef90_A6CZ13
UniRef90_UPI0004044D5B
UniRef90_B3PMZ6
UniRef90_S0KHH7
UniRef90_R6UXJ8
UniRef90_UPI00037D9912
UniRef90_UPI0003B424D1
UniRef90_UPI0003B7282F
UniRef90_U4KQK1
UniRef90_M5JDS7
UniRef90_UPI000469470A
UniRef90_E6L9R1
UniRef90_W0A086
UniRef90_Q4A659
UniRef90_Q6MHE7
UniRef90_UPI0002197CEC

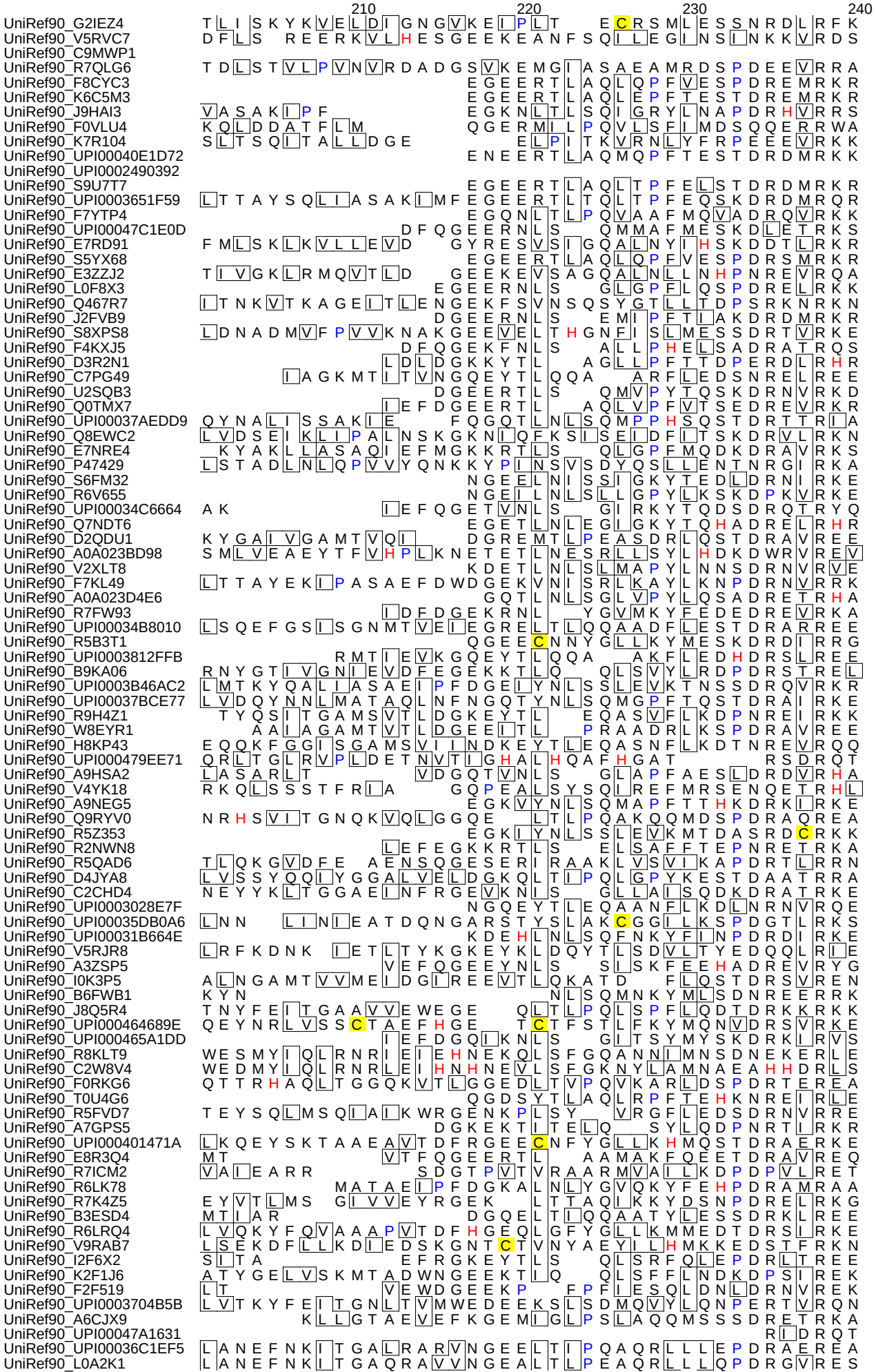

1
10
20
30
40
UniRef90_G2IEZ4
K
UniRef90_V5RVC7
L E M K K E
UniRef90_C9MWP1
UniRef90_R7QLG6
UniRef90_F8CYC3
UniRef90_K6C5M3
UniRef90_J9HAI3
UniRef90_F0VLU4
S T E E E N K P L V R L D P A T L P R
UniRef90_K7R104
E T T
UniRef90_UPI00040E1D72
UniRef90_UPI0002490392
UniRef90_S9U7T7
UniRef90_UPI0003651F59
UniRef90_F7YTP4
UniRef90_UPI00047C1E0D
UniRef90_E7RD91
Q N
UniRef90_S5YX68
UniRef90_E3ZZJ2
Y A L T
UniRef90_L0F8X3
UniRef90_Q467R7
T S E V L D S S K V P T E
UniRef90_J2FVB9
UniRef90_S8XPS8
N R S H I E E K Y Q
UniRef90_F4KXJ5
M M K E T I D T E V M K F E E F E Y K R
UniRef90_D3R2N1
UniRef90_C7PG49
UniRef90_U2SQB3
UniRef90_Q0TMX7
UniRef90_UPI00037AEDD9
UniRef90_Q8EWC2
M N Y K Y D
UniRef90_E7NRE4
UniRef90_P47429
M K N S Y K
UniRef90_S6FM32
UniRef90_R6V655
UniRef90_UPI00034C6664
UniRef90_Q7NDT6
UniRef90_D2QDU1
UniRef90_A0A023BD98
UniRef90_V2XLT8
UniRef90_F7KL49
UniRef90_A0A023D4E6
UniRef90_R7FW93
UniRef90_UPI00034B8010
UniRef90_R5B3T1
UniRef90_UPI0003812FFB
UniRef90_B9KA06
UniRef90_UPI0003B46AC2
UniRef90_UPI00037BCE77
UniRef90_R9H4Z1
UniRef90_W8EYR1
UniRef90_H8KP43
UniRef90_UPI000479EE71
T Q S R
UniRef90_A9HSA2
UniRef90_V4YK18
UniRef90_A9NEG5
UniRef90_Q9RYV0
UniRef90_R5Z353
UniRef90_R2NWN8
UniRef90_R5QAD6
I L Q A P E
UniRef90_D4JYA8
UniRef90_C2CHD4
UniRef90_UPI0003028E7F
UniRef90_UPI00035DB0A6
P R
UniRef90_UPI00031B664E
UniRef90_V5RJR8
N R N S A S E K Y K
UniRef90_A3ZSP5
UniRef90_I0K3P5
UniRef90_B6FWB1
UniRef90_J8Q5R4
UniRef90_UPI000464689E
UniRef90_UPI000465A1DD
UniRef90_R8KLT9
UniRef90_C2W8V4
UniRef90_F0RKG6
UniRef90_T0U4G6
UniRef90_R5FVD7
UniRef90_A7GPS5
UniRef90_UPI000401471A
K M V K F S E I E Y K R
UniRef90_E8R3Q4
UniRef90_R7ICM2
M T E A R E E N T L Q A P E
UniRef90_R6LK78
UniRef90_R7K4Z5
UniRef90_B3ESD4
UniRef90_R6LRQ4
UniRef90_V9RAB7
I N N S L K
UniRef90_I2F6X2
UniRef90_K2F1J6
UniRef90_F2F519
UniRef90_UPI0003704B5B
UniRef90_A6CJX9
UniRef90_UPI00047A1631
UniRef90_UPI00036C1EF5
UniRef90_L0A2K1

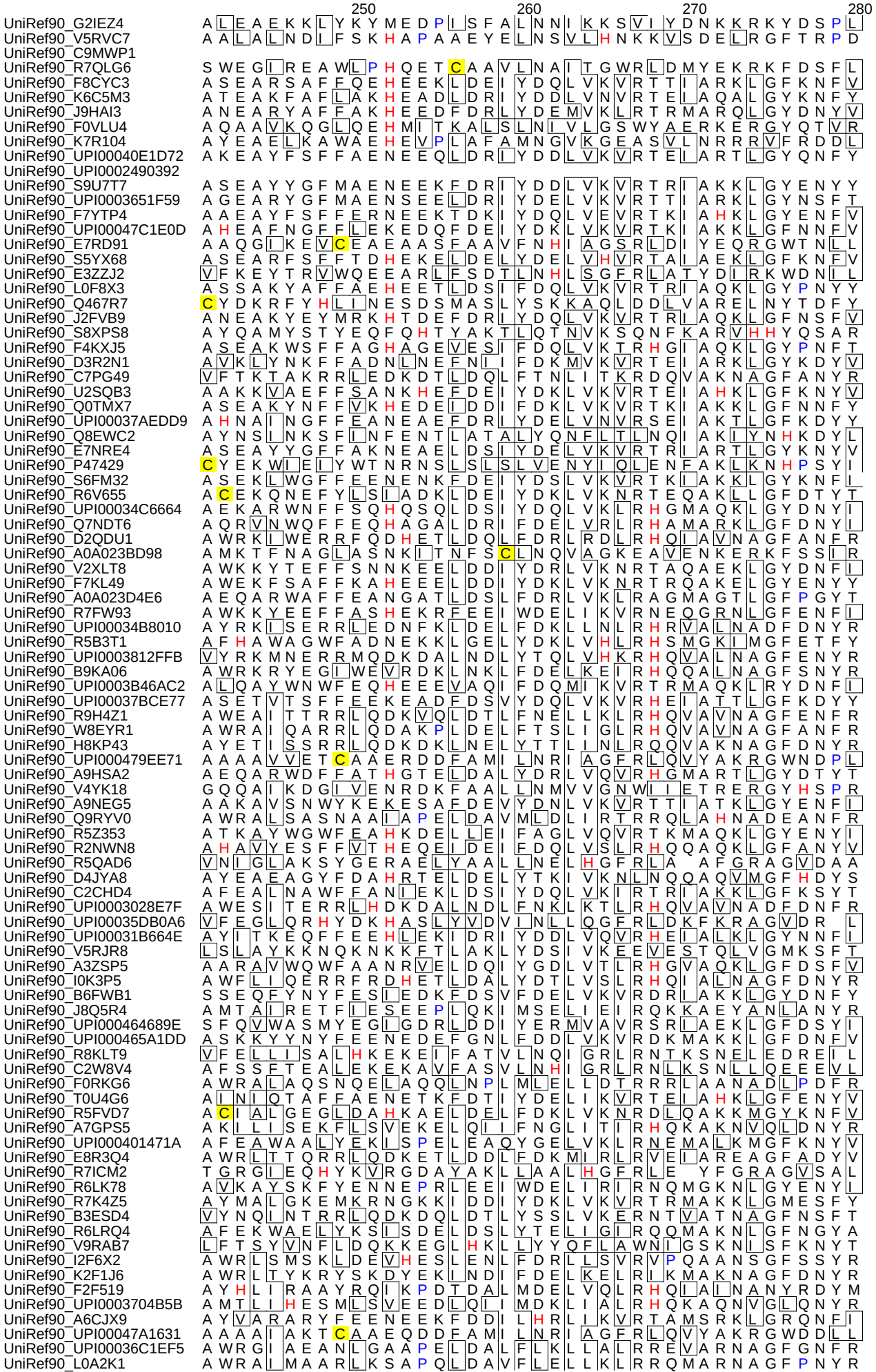

50
60
70
80
UniRef90_G2IEZ4
UniRef90_V5RVC7
UniRef90_C9MWP1
UniRef90_R7QLG6
UniRef90_F8CYC3
UniRef90_K6C5M3
UniRef90_J9HAI3
UniRef90_F0VLU4
UniRef90_K7R104
UniRef90_UPI00040E1D72
UniRef90_UPI0002490392
UniRef90_S9U7T7
UniRef90_UPI0003651F59
UniRef90_F7YTP4
UniRef90_UPI00047C1E0D
UniRef90_E7RD91
UniRef90_S5YX68
UniRef90_E3ZZJ2
UniRef90_L0F8X3
UniRef90_Q467R7
UniRef90_J2FVB9
UniRef90_S8XPS8
UniRef90_F4KXJ5
UniRef90_D3R2N1
UniRef90_C7PG49
UniRef90_U2SQB3
UniRef90_Q0TMX7
UniRef90_UPI00037AEDD9
UniRef90_Q8EWC2
UniRef90_E7NRE4
UniRef90_P47429
UniRef90_S6FM32
UniRef90_R6V655
UniRef90_UPI00034C6664
UniRef90_Q7NDT6
UniRef90_D2QDU1
UniRef90_A0A023BD98
UniRef90_V2XLT8
UniRef90_F7KL49
UniRef90_A0A023D4E6
UniRef90_R7FW93
UniRef90_UPI00034B8010
UniRef90_R5B3T1
UniRef90_UPI0003812FFB
UniRef90_B9KA06
UniRef90_UPI0003B46AC2
UniRef90_UPI00037BCE77
UniRef90_R9H4Z1
UniRef90_W8EYR1
UniRef90_H8KP43
UniRef90_UPI000479EE71
UniRef90_A9HSA2
UniRef90_V4YK18
UniRef90_A9NEG5
UniRef90_Q9RYV0
UniRef90_R5Z353
UniRef90_R2NWN8
UniRef90_R5QAD6
UniRef90_D4JYA8
UniRef90_C2CHD4
UniRef90_UPI0003028E7F
UniRef90_UPI00035DB0A6
UniRef90_UPI00031B664E
UniRef90_V5RJR8
UniRef90_A3ZSP5
UniRef90_I0K3P5
UniRef90_B6FWB1
UniRef90_J8Q5R4
UniRef90_UPI000464689E
UniRef90_UPI000465A1DD
UniRef90_R8KLT9
UniRef90_C2W8V4
UniRef90_F0RKG6
UniRef90_T0U4G6
UniRef90_R5FVD7
UniRef90_A7GPS5
UniRef90_UPI000401471A
UniRef90_E8R3Q4
UniRef90_R7ICM2
UniRef90_R6LK78
UniRef90_R7K4Z5
UniRef90_B3ESD4
UniRef90_R6LRQ4
UniRef90_V9RAB7
UniRef90_I2F6X2
UniRef90_K2F1J6
UniRef90_F2F519
UniRef90_UPI0003704B5B
UniRef90_A6CJX9
UniRef90_UPI00047A1631
UniRef90_UPI00036C1EF5
UniRef90_L0A2K1

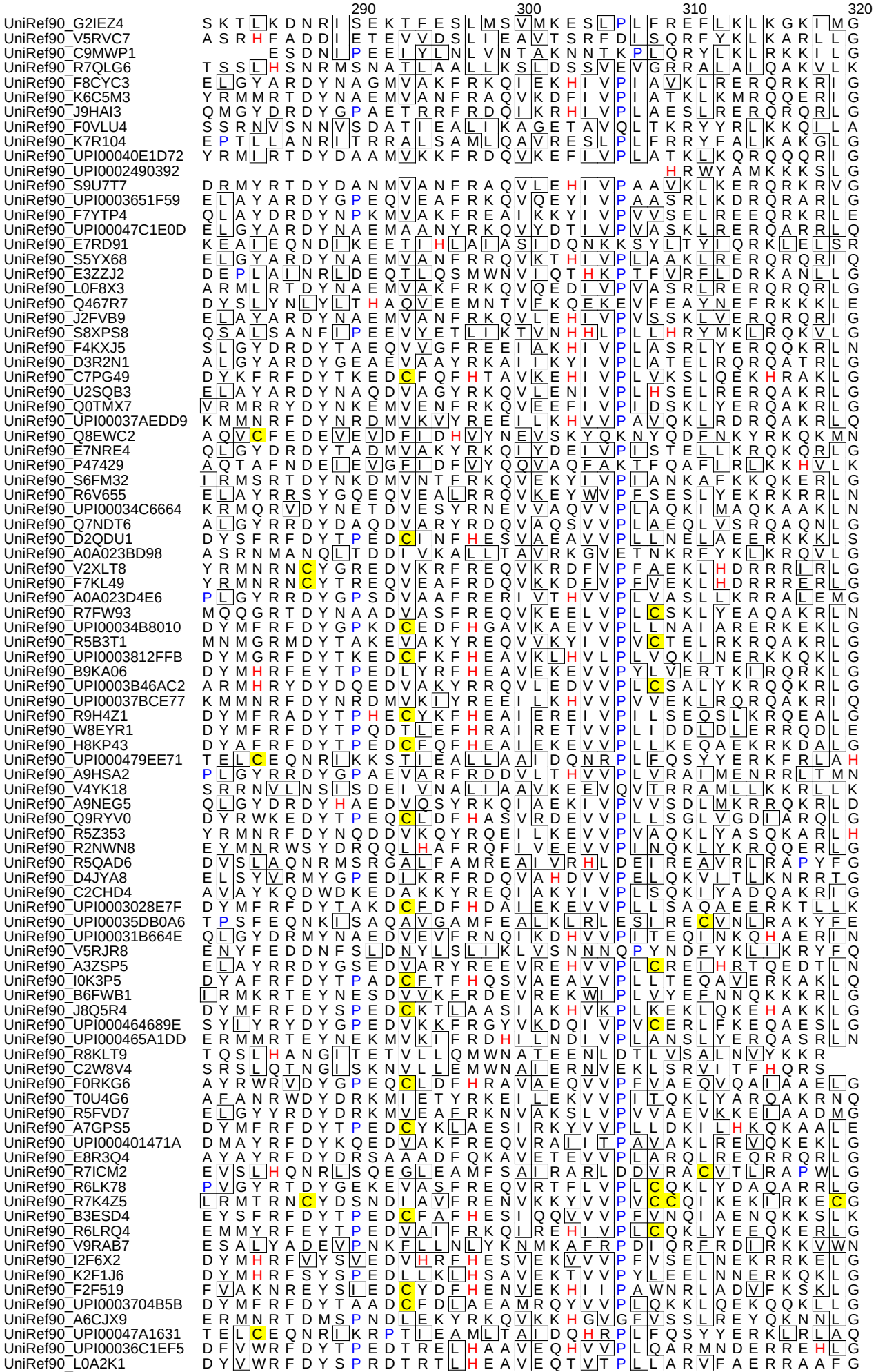

90
100
110
120
UniRef90_G2IEZ4
UniRef90_V5RVC7
UniRef90_C9MWP1
UniRef90_R7QLG6
UniRef90_F8CYC3
UniRef90_K6C5M3
UniRef90_J9HAI3
UniRef90_F0VLU4
UniRef90_K7R104
UniRef90_UPI00040E1D72
UniRef90_UPI0002490392
UniRef90_S9U7T7
UniRef90_UPI0003651F59
UniRef90_F7YTP4
UniRef90_UPI00047C1E0D
UniRef90_E7RD91
UniRef90_S5YX68
UniRef90_E3ZZJ2
UniRef90_L0F8X3
UniRef90_Q467R7
UniRef90_J2FVB9
UniRef90_S8XPS8
UniRef90_F4KXJ5
UniRef90_D3R2N1
UniRef90_C7PG49
UniRef90_U2SQB3
UniRef90_Q0TMX7
UniRef90_UPI00037AEDD9
UniRef90_Q8EWC2
UniRef90_E7NRE4
UniRef90_P47429
UniRef90_S6FM32
UniRef90_R6V655
UniRef90_UPI00034C6664
UniRef90_Q7NDT6
UniRef90_D2QDU1
UniRef90_A0A023BD98
UniRef90_V2XLT8
UniRef90_F7KL49
UniRef90_A0A023D4E6
UniRef90_R7FW93
UniRef90_UPI00034B8010
UniRef90_R5B3T1
UniRef90_UPI0003812FFB
UniRef90_B9KA06
UniRef90_UPI0003B46AC2
UniRef90_UPI00037BCE77
UniRef90_R9H4Z1
UniRef90_W8EYR1
UniRef90_H8KP43
UniRef90_UPI000479EE71
UniRef90_A9HSA2
UniRef90_V4YK18
UniRef90_A9NEG5
UniRef90_Q9RYV0
UniRef90_R5Z353
UniRef90_R2NWN8
UniRef90_R5QAD6
UniRef90_D4JYA8
UniRef90_C2CHD4
UniRef90_UPI0003028E7F
UniRef90_UPI00035DB0A6
UniRef90_UPI00031B664E
UniRef90_V5RJR8
UniRef90_A3ZSP5
UniRef90_I0K3P5
UniRef90_B6FWB1
UniRef90_J8Q5R4
UniRef90_UPI000464689E
UniRef90_UPI000465A1DD
UniRef90_R8KLT9
UniRef90_C2W8V4
UniRef90_F0RKG6
UniRef90_T0U4G6
UniRef90_R5FVD7
UniRef90_A7GPS5
UniRef90_UPI000401471A
UniRef90_E8R3Q4
UniRef90_R7ICM2
UniRef90_R6LK78
UniRef90_R7K4Z5
UniRef90_B3ESD4
UniRef90_R6LRQ4
UniRef90_V9RAB7
UniRef90_I2F6X2
UniRef90_K2F1J6
UniRef90_F2F519
UniRef90_UPI0003704B5B
UniRef90_A6CJX9
UniRef90_UPI00047A1631
UniRef90_UPI00036C1EF5
UniRef90_L0A2K1

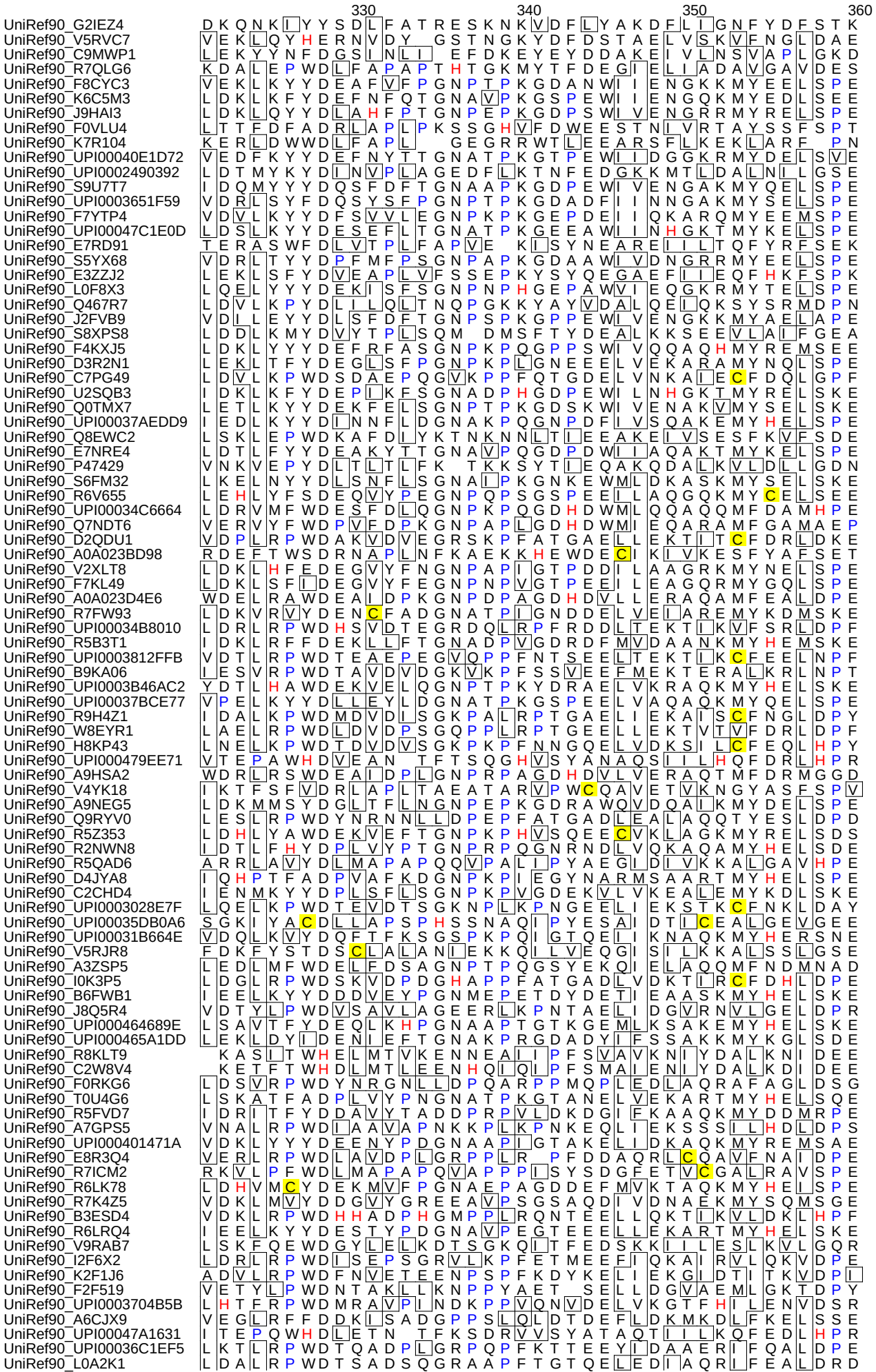

130
140
150
160
UniRef90_G2IEZ4
UniRef90_V5RVC7
UniRef90_C9MWP1
UniRef90_R7QLG6
UniRef90_F8CYC3
UniRef90_K6C5M3
UniRef90_J9HAI3
UniRef90_F0VLU4
UniRef90_K7R104
UniRef90_UPI00040E1D72
UniRef90_UPI0002490392
UniRef90_S9U7T7
UniRef90_UPI0003651F59
UniRef90_F7YTP4
UniRef90_UPI00047C1E0D
UniRef90_E7RD91
UniRef90_S5YX68
UniRef90_E3ZZJ2
UniRef90_L0F8X3
UniRef90_Q467R7
UniRef90_J2FVB9
UniRef90_S8XPS8
UniRef90_F4KXJ5
UniRef90_D3R2N1
UniRef90_C7PG49
UniRef90_U2SQB3
UniRef90_Q0TMX7
UniRef90_UPI00037AEDD9
UniRef90_Q8EWC2
UniRef90_E7NRE4
UniRef90_P47429
UniRef90_S6FM32
UniRef90_R6V655
UniRef90_UPI00034C6664
UniRef90_Q7NDT6
UniRef90_D2QDU1
UniRef90_A0A023BD98
UniRef90_V2XLT8
UniRef90_F7KL49
UniRef90_A0A023D4E6
UniRef90_R7FW93
UniRef90_UPI00034B8010
UniRef90_R5B3T1
UniRef90_UPI0003812FFB
UniRef90_B9KA06
UniRef90_UPI0003B46AC2
UniRef90_UPI00037BCE77
UniRef90_R9H4Z1
UniRef90_W8EYR1
UniRef90_H8KP43
UniRef90_UPI000479EE71
UniRef90_A9HSA2
UniRef90_V4YK18
UniRef90_A9NEG5
UniRef90_Q9RYV0
UniRef90_R5Z353
UniRef90_R2NWN8
UniRef90_R5QAD6
UniRef90_D4JYA8
UniRef90_C2CHD4
UniRef90_UPI0003028E7F
UniRef90_UPI00035DB0A6
UniRef90_UPI00031B664E
UniRef90_V5RJR8
UniRef90_A3ZSP5
UniRef90_I0K3P5
UniRef90_B6FWB1
UniRef90_J8Q5R4
UniRef90_UPI000464689E
UniRef90_UPI000465A1DD
UniRef90_R8KLT9
UniRef90_C2W8V4
UniRef90_F0RKG6
UniRef90_T0U4G6
UniRef90_R5FVD7
UniRef90_A7GPS5
UniRef90_UPI000401471A
UniRef90_E8R3Q4
UniRef90_R7ICM2
UniRef90_R6LK78
UniRef90_R7K4Z5
UniRef90_B3ESD4
UniRef90_R6LRQ4
UniRef90_V9RAB7
UniRef90_I2F6X2
UniRef90_K2F1J6
UniRef90_F2F519
UniRef90_UPI0003704B5B
UniRef90_A6CJX9
UniRef90_UPI00047A1631
UniRef90_UPI00036C1EF5
UniRef90_L0A2K1

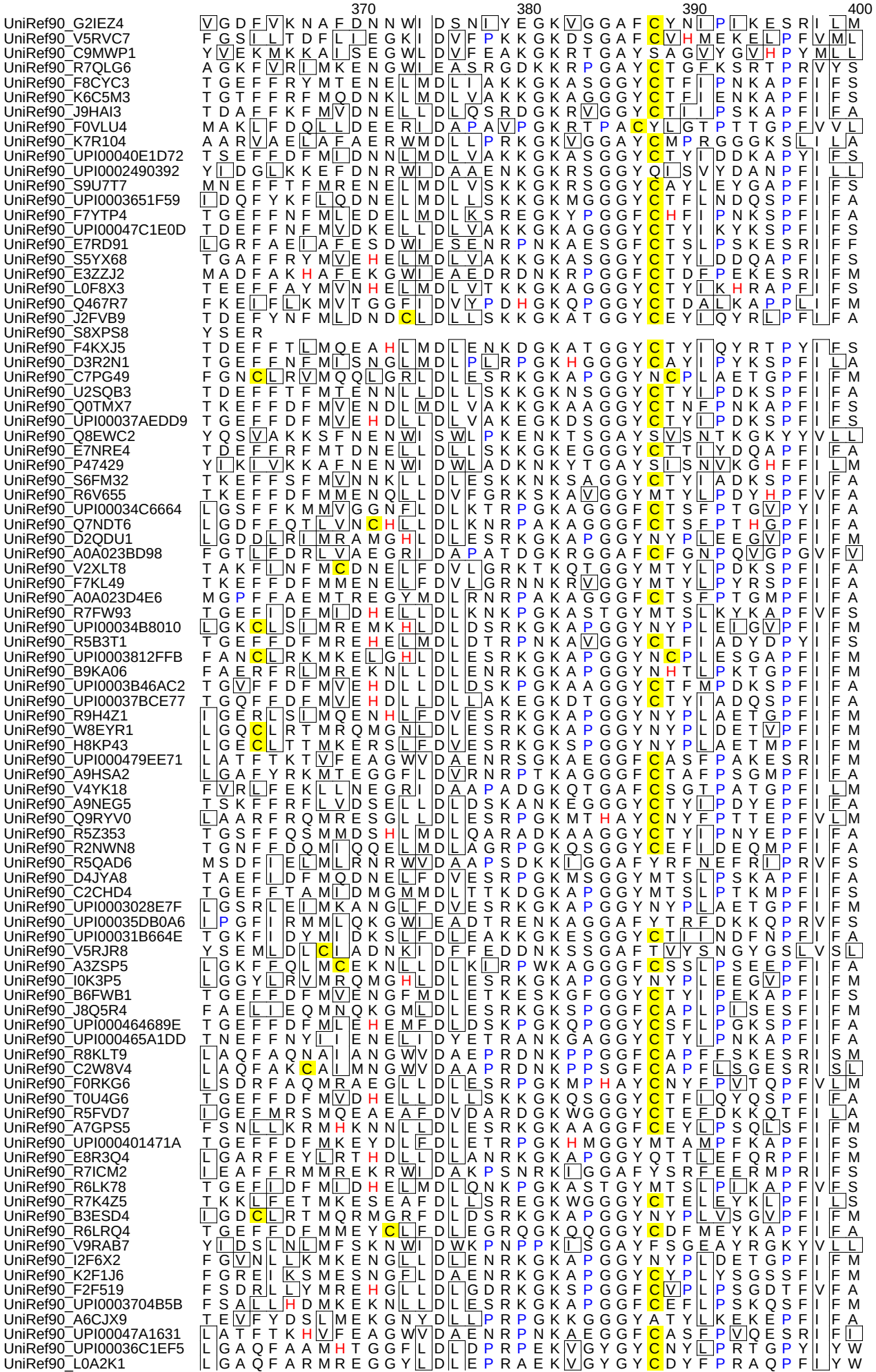

170
180
190
200
UniRef90_G2IEZ4
UniRef90_V5RVC7
UniRef90_C9MWP1
UniRef90_R7QLG6
UniRef90_F8CYC3
UniRef90_K6C5M3
UniRef90_J9HAI3
UniRef90_F0VLU4
UniRef90_K7R104
UniRef90_UPI00040E1D72
UniRef90_UPI0002490392
UniRef90_S9U7T7
UniRef90_UPI0003651F59
UniRef90_F7YTP4
UniRef90_UPI00047C1E0D
UniRef90_E7RD91
UniRef90_S5YX68
UniRef90_E3ZZJ2
UniRef90_L0F8X3
UniRef90_Q467R7
UniRef90_J2FVB9
UniRef90_S8XPS8
UniRef90_F4KXJ5
UniRef90_D3R2N1
UniRef90_C7PG49
UniRef90_U2SQB3
UniRef90_Q0TMX7
UniRef90_UPI00037AEDD9
UniRef90_Q8EWC2
UniRef90_E7NRE4
UniRef90_P47429
UniRef90_S6FM32
UniRef90_R6V655
UniRef90_UPI00034C6664
UniRef90_Q7NDT6
UniRef90_D2QDU1
UniRef90_A0A023BD98
UniRef90_V2XLT8
UniRef90_F7KL49
UniRef90_A0A023D4E6
UniRef90_R7FW93
UniRef90_UPI00034B8010
UniRef90_R5B3T1
UniRef90_UPI0003812FFB
UniRef90_B9KA06
UniRef90_UPI0003B46AC2
UniRef90_UPI00037BCE77
UniRef90_R9H4Z1
UniRef90_W8EYR1
UniRef90_H8KP43
UniRef90_UPI000479EE71
UniRef90_A9HSA2
UniRef90_V4YK18
UniRef90_A9NEG5
UniRef90_Q9RYV0
UniRef90_R5Z353
UniRef90_R2NWN8
UniRef90_R5QAD6
UniRef90_D4JYA8
UniRef90_C2CHD4
UniRef90_UPI0003028E7F
UniRef90_UPI00035DB0A6
UniRef90_UPI00031B664E
UniRef90_V5RJR8
UniRef90_A3ZSP5
UniRef90_I0K3P5
UniRef90_B6FWB1
UniRef90_J8Q5R4
UniRef90_UPI000464689E
UniRef90_UPI000465A1DD
UniRef90_R8KLT9
UniRef90_C2W8V4
UniRef90_F0RKG6
UniRef90_T0U4G6
UniRef90_R5FVD7
UniRef90_A7GPS5
UniRef90_UPI000401471A
UniRef90_E8R3Q4
UniRef90_R7ICM2
UniRef90_R6LK78
UniRef90_R7K4Z5
UniRef90_B3ESD4
UniRef90_R6LRQ4
UniRef90_V9RAB7
UniRef90_I2F6X2
UniRef90_K2F1J6
UniRef90_F2F519
UniRef90_UPI0003704B5B
UniRef90_A6CJX9
UniRef90_UPI00047A1631
UniRef90_UPI00036C1EF5
UniRef90_L0A2K1

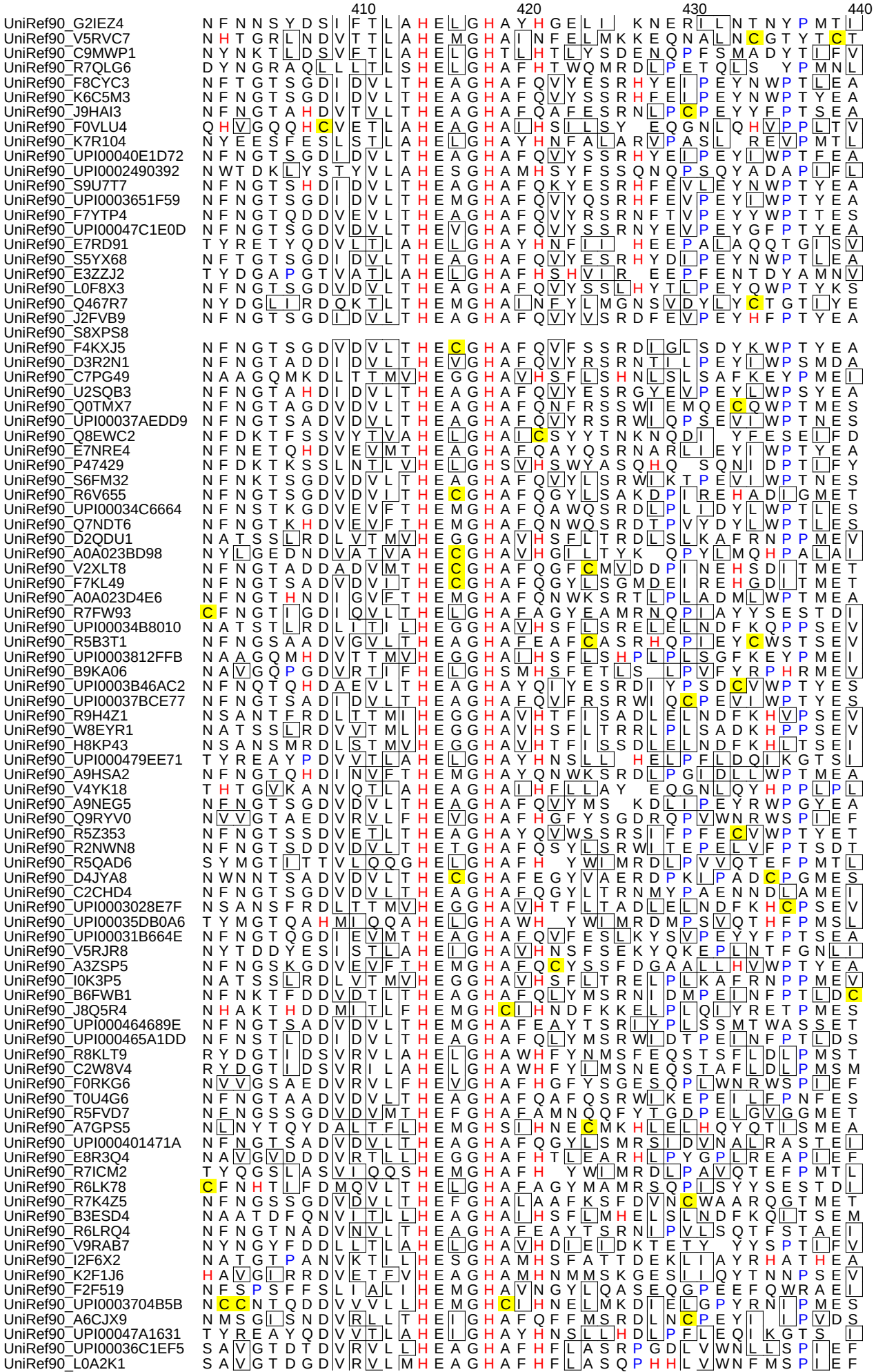

210
220
230
240
UniRef90_G2IEZ4
UniRef90_V5RVC7
UniRef90_C9MWP1
UniRef90_R7QLG6
UniRef90_F8CYC3
UniRef90_K6C5M3
UniRef90_J9HAI3
UniRef90_F0VLU4
UniRef90_K7R104
UniRef90_UPI00040E1D72
UniRef90_UPI0002490392
UniRef90_S9U7T7
UniRef90_UPI0003651F59
UniRef90_F7YTP4
UniRef90_UPI00047C1E0D
UniRef90_E7RD91
UniRef90_S5YX68
UniRef90_E3ZZJ2
UniRef90_L0F8X3
UniRef90_Q467R7
UniRef90_J2FVB9
UniRef90_S8XPS8
UniRef90_F4KXJ5
UniRef90_D3R2N1
UniRef90_C7PG49
UniRef90_U2SQB3
UniRef90_Q0TMX7
UniRef90_UPI00037AEDD9
UniRef90_Q8EWC2
UniRef90_E7NRE4
UniRef90_P47429
UniRef90_S6FM32
UniRef90_R6V655
UniRef90_UPI00034C6664
UniRef90_Q7NDT6
UniRef90_D2QDU1
UniRef90_A0A023BD98
UniRef90_V2XLT8
UniRef90_F7KL49
UniRef90_A0A023D4E6
UniRef90_R7FW93
UniRef90_UPI00034B8010
UniRef90_R5B3T1
UniRef90_UPI0003812FFB
UniRef90_B9KA06
UniRef90_UPI0003B46AC2
UniRef90_UPI00037BCE77
UniRef90_R9H4Z1
UniRef90_W8EYR1
UniRef90_H8KP43
UniRef90_UPI000479EE71
UniRef90_A9HSA2
UniRef90_V4YK18
UniRef90_A9NEG5
UniRef90_Q9RYV0
UniRef90_R5Z353
UniRef90_R2NWN8
UniRef90_R5QAD6
UniRef90_D4JYA8
UniRef90_C2CHD4
UniRef90_UPI0003028E7F
UniRef90_UPI00035DB0A6
UniRef90_UPI00031B664E
UniRef90_V5RJR8
UniRef90_A3ZSP5
UniRef90_I0K3P5
UniRef90_B6FWB1
UniRef90_J8Q5R4
UniRef90_UPI000464689E
UniRef90_UPI000465A1DD
UniRef90_R8KLT9
UniRef90_C2W8V4
UniRef90_F0RKG6
UniRef90_T0U4G6
UniRef90_R5FVD7
UniRef90_A7GPS5
UniRef90_UPI000401471A
UniRef90_E8R3Q4
UniRef90_R7ICM2
UniRef90_R6LK78
UniRef90_R7K4Z5
UniRef90_B3ESD4
UniRef90_R6LRQ4
UniRef90_V9RAB7
UniRef90_I2F6X2
UniRef90_K2F1J6
UniRef90_F2F519
UniRef90_UPI0003704B5B
UniRef90_A6CJX9
UniRef90_UPI00047A1631
UniRef90_UPI00036C1EF5
UniRef90_L0A2K1

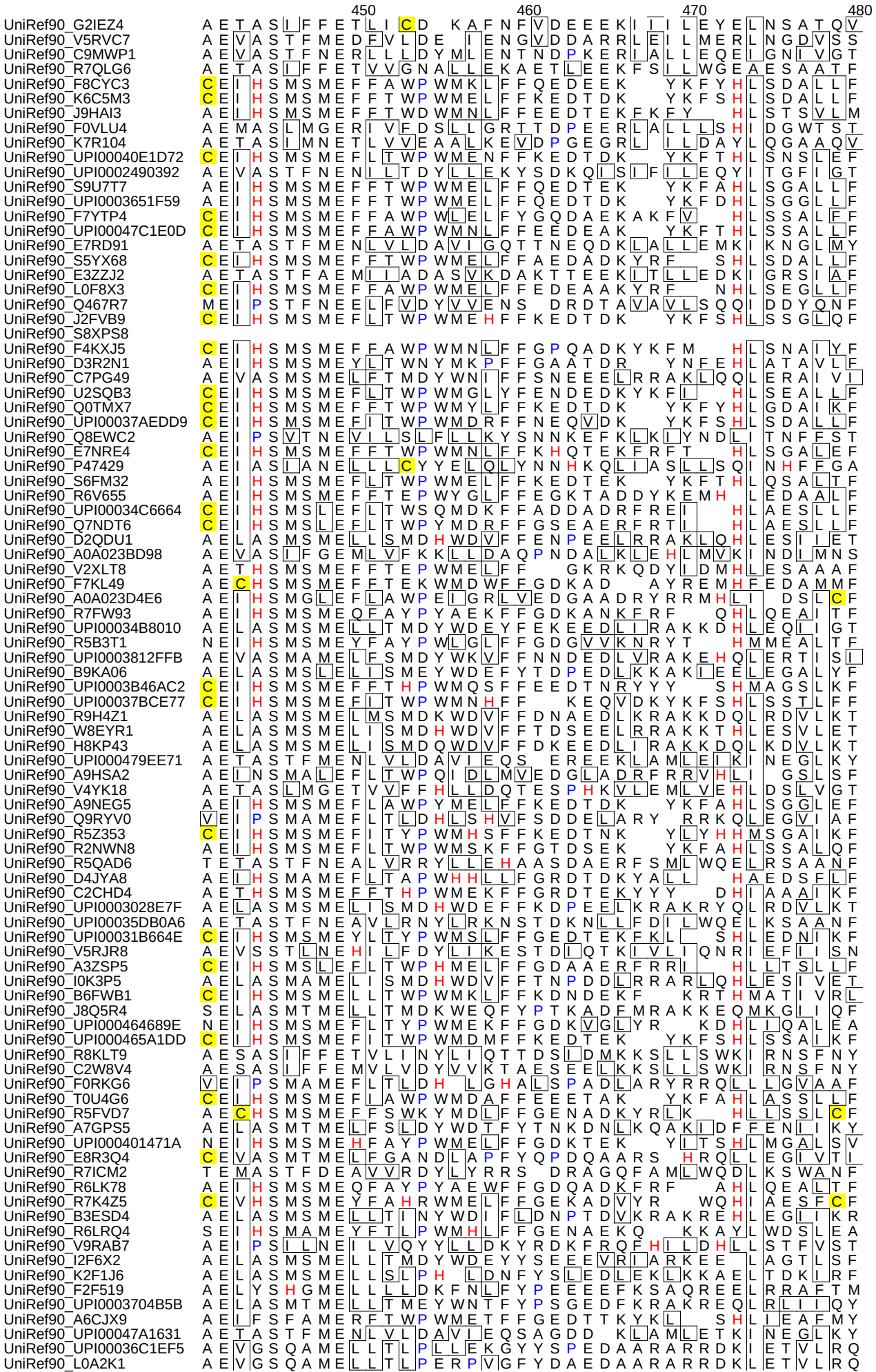

250
260
270
280
UniRef90_G2IEZ4
UniRef90_V5RVC7
UniRef90_C9MWP1
UniRef90_R7QLG6
UniRef90_F8CYC3
UniRef90_K6C5M3
UniRef90_J9HAI3
UniRef90_F0VLU4
UniRef90_K7R104
UniRef90_UPI00040E1D72
UniRef90_UPI0002490392
UniRef90_S9U7T7
UniRef90_UPI0003651F59
UniRef90_F7YTP4
UniRef90_UPI00047C1E0D
UniRef90_E7RD91
UniRef90_S5YX68
UniRef90_E3ZZJ2
UniRef90_L0F8X3
UniRef90_Q467R7
UniRef90_J2FVB9
UniRef90_S8XPS8
UniRef90_F4KXJ5
UniRef90_D3R2N1
UniRef90_C7PG49
UniRef90_U2SQB3
UniRef90_Q0TMX7
UniRef90_UPI00037AEDD9
UniRef90_Q8EWC2
UniRef90_E7NRE4
UniRef90_P47429
UniRef90_S6FM32
UniRef90_R6V655
UniRef90_UPI00034C6664
UniRef90_Q7NDT6
UniRef90_D2QDU1
UniRef90_A0A023BD98
UniRef90_V2XLT8
UniRef90_F7KL49
UniRef90_A0A023D4E6
UniRef90_R7FW93
UniRef90_UPI00034B8010
UniRef90_R5B3T1
UniRef90_UPI0003812FFB
UniRef90_B9KA06
UniRef90_UPI0003B46AC2
UniRef90_UPI00037BCE77
UniRef90_R9H4Z1
UniRef90_W8EYR1
UniRef90_H8KP43
UniRef90_UPI000479EE71
UniRef90_A9HSA2
UniRef90_V4YK18
UniRef90_A9NEG5
UniRef90_Q9RYV0
UniRef90_R5Z353
UniRef90_R2NWN8
UniRef90_R5QAD6
UniRef90_D4JYA8
UniRef90_C2CHD4
UniRef90_UPI0003028E7F
UniRef90_UPI00035DB0A6
UniRef90_UPI00031B664E
UniRef90_V5RJR8
UniRef90_A3ZSP5
UniRef90_I0K3P5
UniRef90_B6FWB1
UniRef90_J8Q5R4
UniRef90_UPI000464689E
UniRef90_UPI000465A1DD
UniRef90_R8KLT9
UniRef90_C2W8V4
UniRef90_F0RKG6
UniRef90_T0U4G6
UniRef90_R5FVD7
UniRef90_A7GPS5
UniRef90_UPI000401471A
UniRef90_E8R3Q4
UniRef90_R7ICM2
UniRef90_R6LK78
UniRef90_R7K4Z5
UniRef90_B3ESD4
UniRef90_R6LRQ4
UniRef90_V9RAB7
UniRef90_I2F6X2
UniRef90_K2F1J6
UniRef90_F2F519
UniRef90_UPI0003704B5B
UniRef90_A6CJX9
UniRef90_UPI00047A1631
UniRef90_UPI00036C1EF5
UniRef90_L0A2K1

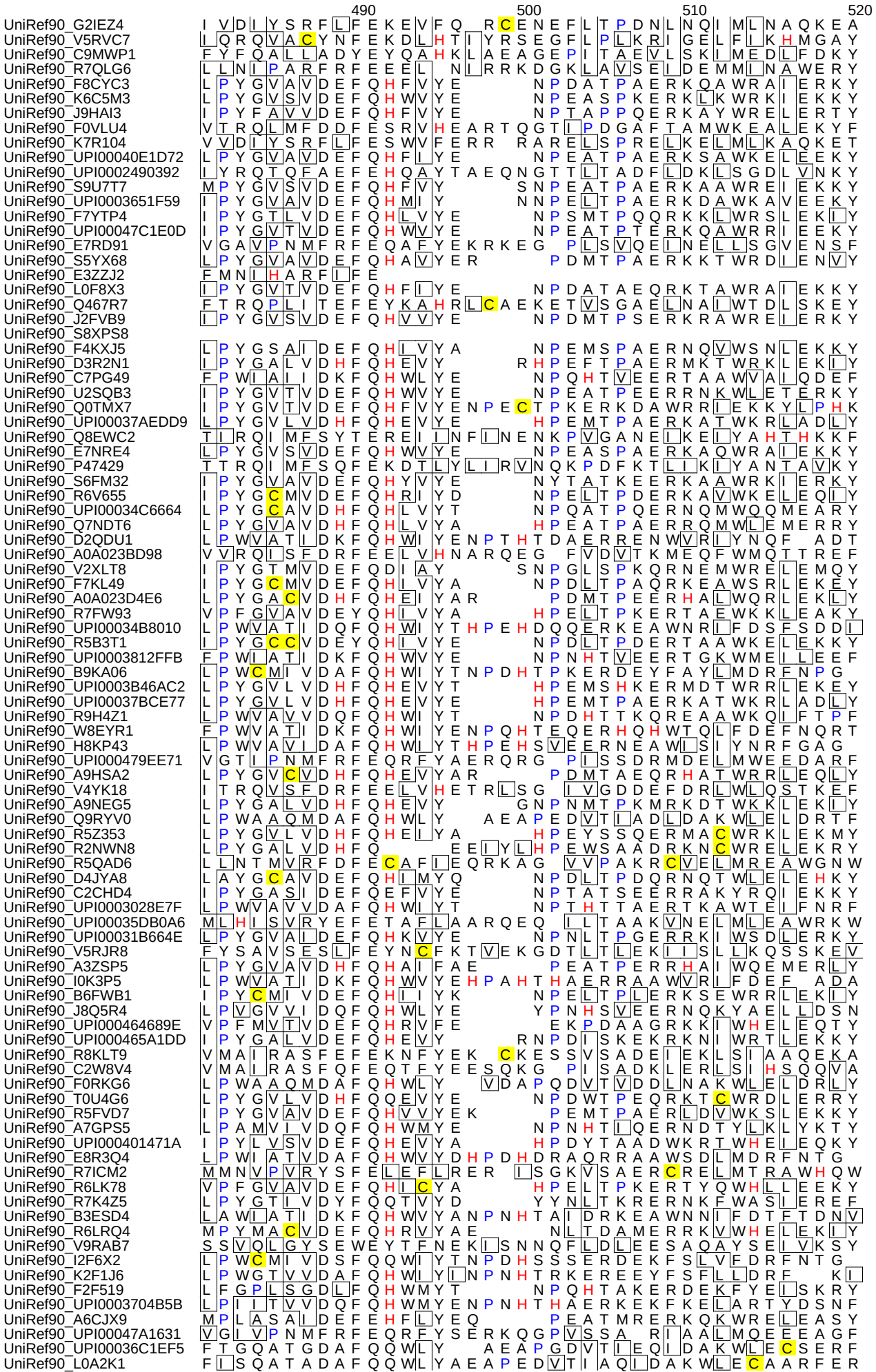

290
300
310
320
UniRef90_G2IEZ4
UniRef90_V5RVC7
UniRef90_C9MWP1
UniRef90_R7QLG6
UniRef90_F8CYC3
UniRef90_K6C5M3
UniRef90_J9HAI3
UniRef90_F0VLU4
UniRef90_K7R104
UniRef90_UPI00040E1D72
UniRef90_UPI0002490392
UniRef90_S9U7T7
UniRef90_UPI0003651F59
UniRef90_F7YTP4
UniRef90_UPI00047C1E0D
UniRef90_E7RD91
UniRef90_S5YX68
UniRef90_E3ZZJ2
UniRef90_L0F8X3
UniRef90_Q467R7
UniRef90_J2FVB9
UniRef90_S8XPS8
UniRef90_F4KXJ5
UniRef90_D3R2N1
UniRef90_C7PG49
UniRef90_U2SQB3
UniRef90_Q0TMX7
UniRef90_UPI00037AEDD9
UniRef90_Q8EWC2
UniRef90_E7NRE4
UniRef90_P47429
UniRef90_S6FM32
UniRef90_R6V655
UniRef90_UPI00034C6664
UniRef90_Q7NDT6
UniRef90_D2QDU1
UniRef90_A0A023BD98
UniRef90_V2XLT8
UniRef90_F7KL49
UniRef90_A0A023D4E6
UniRef90_R7FW93
UniRef90_UPI00034B8010
UniRef90_R5B3T1
UniRef90_UPI0003812FFB
UniRef90_B9KA06
UniRef90_UPI0003B46AC2
UniRef90_UPI00037BCE77
UniRef90_R9H4Z1
UniRef90_W8EYR1
UniRef90_H8KP43
UniRef90_UPI000479EE71
UniRef90_A9HSA2
UniRef90_V4YK18
UniRef90_A9NEG5
UniRef90_Q9RYV0
UniRef90_R5Z353
UniRef90_R2NWN8
UniRef90_R5QAD6
UniRef90_D4JYA8
UniRef90_C2CHD4
UniRef90_UPI0003028E7F
UniRef90_UPI00035DB0A6
UniRef90_UPI00031B664E
UniRef90_V5RJR8
UniRef90_A3ZSP5
UniRef90_I0K3P5
UniRef90_B6FWB1
UniRef90_J8Q5R4
UniRef90_UPI000464689E
UniRef90_UPI000465A1DD
UniRef90_R8KLT9
UniRef90_C2W8V4
UniRef90_F0RKG6
UniRef90_T0U4G6
UniRef90_R5FVD7
UniRef90_A7GPS5
UniRef90_UPI000401471A
UniRef90_E8R3Q4
UniRef90_R7ICM2
UniRef90_R6LK78
UniRef90_R7K4Z5
UniRef90_B3ESD4
UniRef90_R6LRQ4
UniRef90_V9RAB7
UniRef90_I2F6X2
UniRef90_K2F1J6
UniRef90_F2F519
UniRef90_UPI0003704B5B
UniRef90_A6CJX9
UniRef90_UPI00047A1631
UniRef90_UPI00036C1EF5
UniRef90_L0A2K1

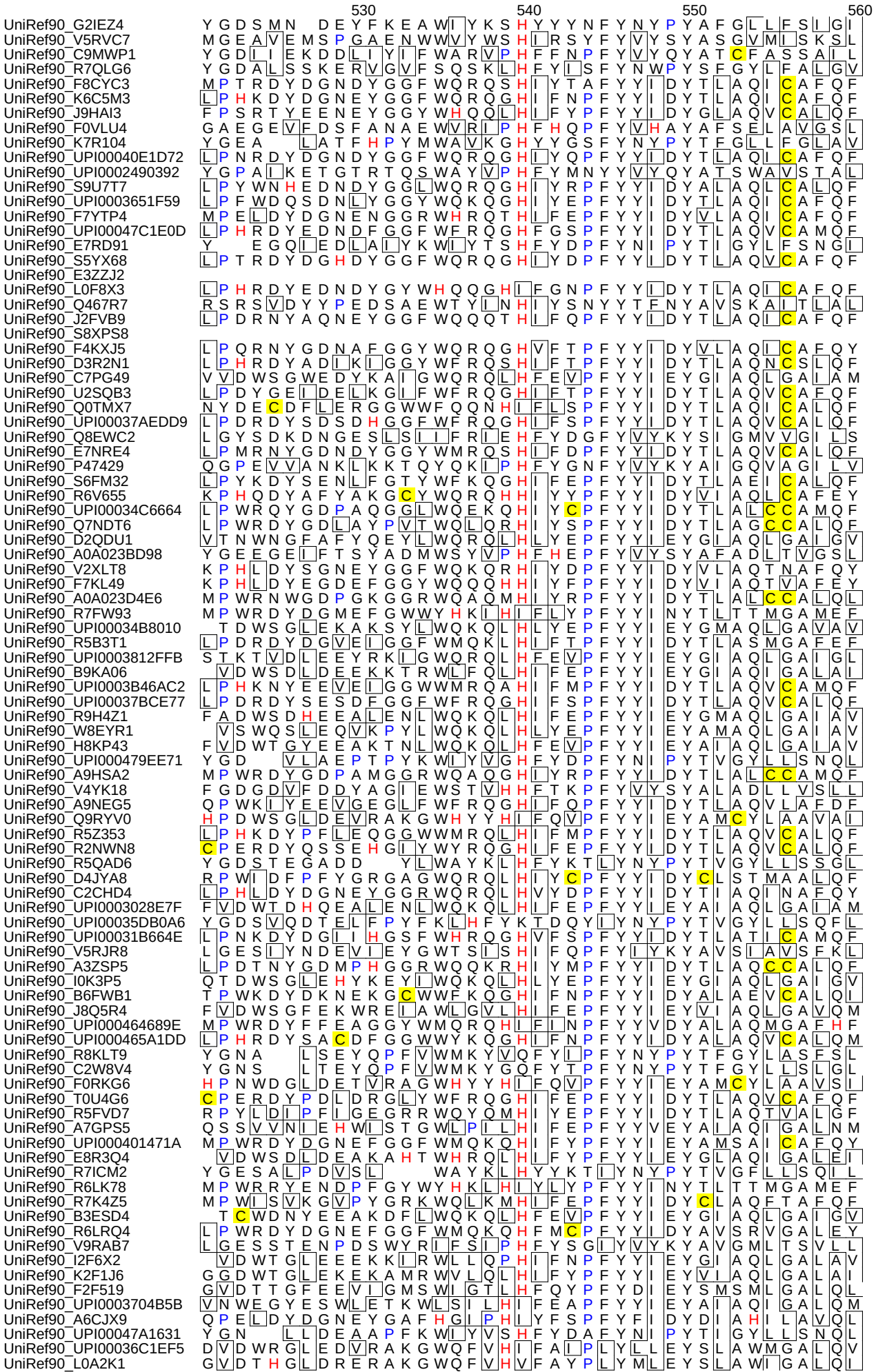

330
340
350
360
UniRef90_G2IEZ4
UniRef90_V5RVC7
UniRef90_C9MWP1
UniRef90_R7QLG6
UniRef90_F8CYC3
UniRef90_K6C5M3
UniRef90_J9HAI3
UniRef90_F0VLU4
UniRef90_K7R104
UniRef90_UPI00040E1D72
UniRef90_UPI0002490392
UniRef90_S9U7T7
UniRef90_UPI0003651F59
UniRef90_F7YTP4
UniRef90_UPI00047C1E0D
UniRef90_E7RD91
UniRef90_S5YX68
UniRef90_E3ZZJ2
UniRef90_L0F8X3
UniRef90_Q467R7
UniRef90_J2FVB9
UniRef90_S8XPS8
UniRef90_F4KXJ5
UniRef90_D3R2N1
UniRef90_C7PG49
UniRef90_U2SQB3
UniRef90_Q0TMX7
UniRef90_UPI00037AEDD9
UniRef90_Q8EWC2
UniRef90_E7NRE4
UniRef90_P47429
UniRef90_S6FM32
UniRef90_R6V655
UniRef90_UPI00034C6664
UniRef90_Q7NDT6
UniRef90_D2QDU1
UniRef90_A0A023BD98
UniRef90_V2XLT8
UniRef90_F7KL49
UniRef90_A0A023D4E6
UniRef90_R7FW93
UniRef90_UPI00034B8010
UniRef90_R5B3T1
UniRef90_UPI0003812FFB
UniRef90_B9KA06
UniRef90_UPI0003B46AC2
UniRef90_UPI00037BCE77
UniRef90_R9H4Z1
UniRef90_W8EYR1
UniRef90_H8KP43
UniRef90_UPI000479EE71
UniRef90_A9HSA2
UniRef90_V4YK18
UniRef90_A9NEG5
UniRef90_Q9RYV0
UniRef90_R5Z353
UniRef90_R2NWN8
UniRef90_R5QAD6
UniRef90_D4JYA8
UniRef90_C2CHD4
UniRef90_UPI0003028E7F
UniRef90_UPI00035DB0A6
UniRef90_UPI00031B664E
UniRef90_V5RJR8
UniRef90_A3ZSP5
UniRef90_I0K3P5
UniRef90_B6FWB1
UniRef90_J8Q5R4
UniRef90_UPI000464689E
UniRef90_UPI000465A1DD
UniRef90_R8KLT9
UniRef90_C2W8V4
UniRef90_F0RKG6
UniRef90_T0U4G6
UniRef90_R5FVD7
UniRef90_A7GPS5
UniRef90_UPI000401471A
UniRef90_E8R3Q4
UniRef90_R7ICM2
UniRef90_R6LK78
UniRef90_R7K4Z5
UniRef90_B3ESD4
UniRef90_R6LRQ4
UniRef90_V9RAB7
UniRef90_I2F6X2
UniRef90_K2F1J6
UniRef90_F2F519
UniRef90_UPI0003704B5B
UniRef90_A6CJX9
UniRef90_UPI00047A1631
UniRef90_UPI00036C1EF5
UniRef90_L0A2K1

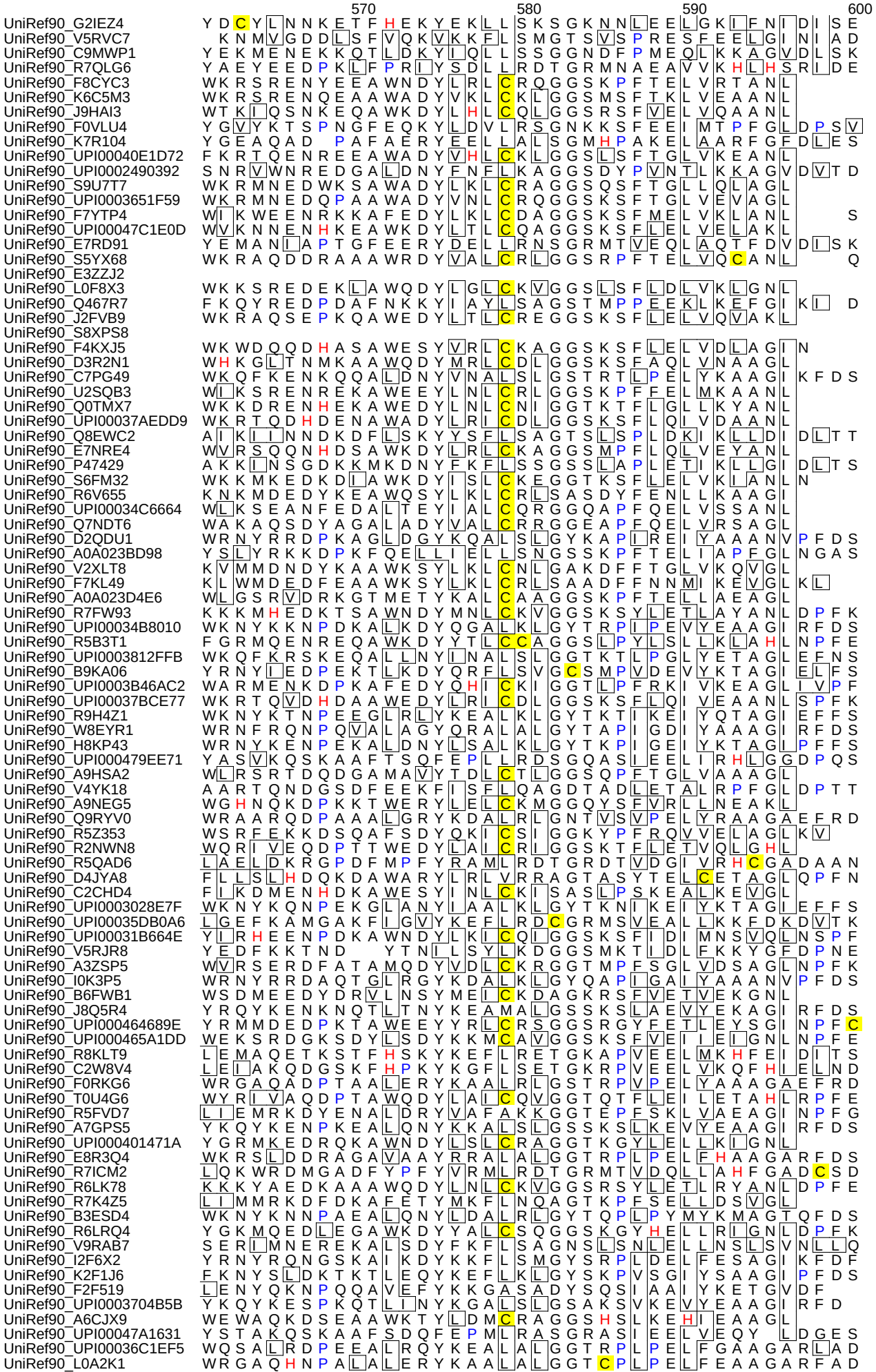

370
380
390
400
UniRef90_G2IEZ4
UniRef90_V5RVC7
UniRef90_C9MWP1
UniRef90_R7QLG6
UniRef90_F8CYC3
UniRef90_K6C5M3
UniRef90_J9HAI3
UniRef90_F0VLU4
UniRef90_K7R104
UniRef90_UPI00040E1D72
UniRef90_UPI0002490392
UniRef90_S9U7T7
UniRef90_UPI0003651F59
UniRef90_F7YTP4
UniRef90_UPI00047C1E0D
UniRef90_E7RD91
UniRef90_S5YX68
UniRef90_E3ZZJ2
UniRef90_L0F8X3
UniRef90_Q467R7
UniRef90_J2FVB9
UniRef90_S8XPS8
UniRef90_F4KXJ5
UniRef90_D3R2N1
UniRef90_C7PG49
UniRef90_U2SQB3
UniRef90_Q0TMX7
UniRef90_UPI00037AEDD9
UniRef90_Q8EWC2
UniRef90_E7NRE4
UniRef90_P47429
UniRef90_S6FM32
UniRef90_R6V655
UniRef90_UPI00034C6664
UniRef90_Q7NDT6
UniRef90_D2QDU1
UniRef90_A0A023BD98
UniRef90_V2XLT8
UniRef90_F7KL49
UniRef90_A0A023D4E6
UniRef90_R7FW93
UniRef90_UPI00034B8010
UniRef90_R5B3T1
UniRef90_UPI0003812FFB
UniRef90_B9KA06
UniRef90_UPI0003B46AC2
UniRef90_UPI00037BCE77
UniRef90_R9H4Z1
UniRef90_W8EYR1
UniRef90_H8KP43
UniRef90_UPI000479EE71
UniRef90_A9HSA2
UniRef90_V4YK18
UniRef90_A9NEG5
UniRef90_Q9RYV0
UniRef90_R5Z353
UniRef90_R2NWN8
UniRef90_R5QAD6
UniRef90_D4JYA8
UniRef90_C2CHD4
UniRef90_UPI0003028E7F
UniRef90_UPI00035DB0A6
UniRef90_UPI00031B664E
UniRef90_V5RJR8
UniRef90_A3ZSP5
UniRef90_I0K3P5
UniRef90_B6FWB1
UniRef90_J8Q5R4
UniRef90_UPI000464689E
UniRef90_UPI000465A1DD
UniRef90_R8KLT9
UniRef90_C2W8V4
UniRef90_F0RKG6
UniRef90_T0U4G6
UniRef90_R5FVD7
UniRef90_A7GPS5
UniRef90_UPI000401471A
UniRef90_E8R3Q4
UniRef90_R7ICM2
UniRef90_R6LK78
UniRef90_R7K4Z5
UniRef90_B3ESD4
UniRef90_R6LRQ4
UniRef90_V9RAB7
UniRef90_I2F6X2
UniRef90_K2F1J6
UniRef90_F2F519
UniRef90_UPI0003704B5B
UniRef90_A6CJX9
UniRef90_UPI00047A1631
UniRef90_UPI00036C1EF5
UniRef90_L0A2K1

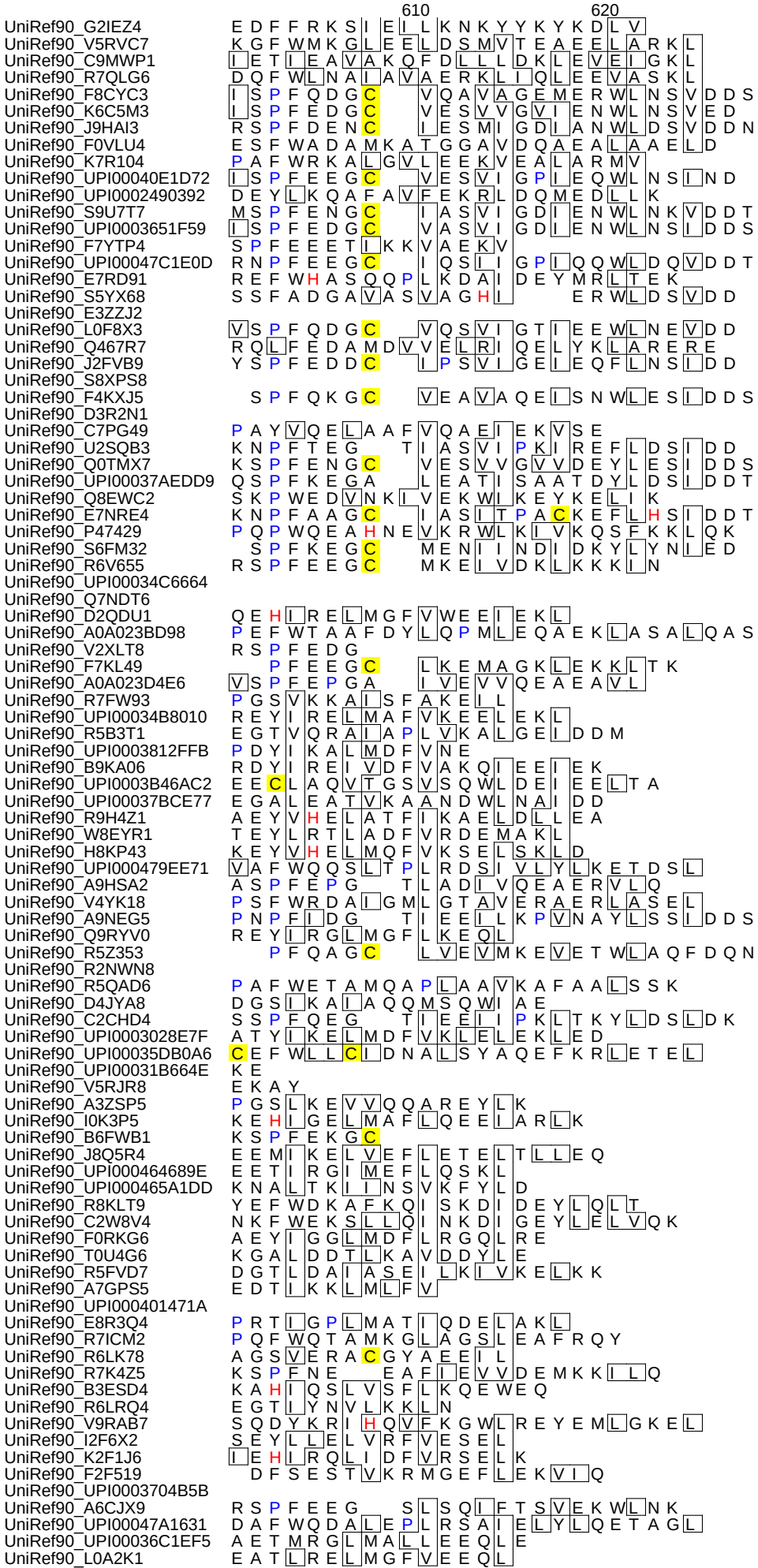

410
420
430
440
UniRef90_G2IEZ4
UniRef90_V5RVC7
UniRef90_C9MWP1
UniRef90_R7QLG6
UniRef90_F8CYC3
UniRef90_K6C5M3
UniRef90_J9HAI3
UniRef90_F0VLU4
UniRef90_K7R104
UniRef90_UPI00040E1D72
UniRef90_UPI0002490392
UniRef90_S9U7T7
UniRef90_UPI0003651F59
UniRef90_F7YTP4
UniRef90_UPI00047C1E0D
UniRef90_E7RD91
UniRef90_S5YX68
UniRef90_E3ZZJ2
UniRef90_L0F8X3
UniRef90_Q467R7
UniRef90_J2FVB9
UniRef90_S8XPS8
UniRef90_F4KXJ5
UniRef90_D3R2N1
UniRef90_C7PG49
UniRef90_U2SQB3
UniRef90_Q0TMX7
UniRef90_UPI00037AEDD9
UniRef90_Q8EWC2
UniRef90_E7NRE4
UniRef90_P47429
UniRef90_S6FM32
UniRef90_R6V655
UniRef90_UPI00034C6664
UniRef90_Q7NDT6
UniRef90_D2QDU1
UniRef90_A0A023BD98
UniRef90_V2XLT8
UniRef90_F7KL49
UniRef90_A0A023D4E6
UniRef90_R7FW93
UniRef90_UPI00034B8010
UniRef90_R5B3T1
UniRef90_UPI0003812FFB
UniRef90_B9KA06
UniRef90_UPI0003B46AC2
UniRef90_UPI00037BCE77
UniRef90_R9H4Z1
UniRef90_W8EYR1
UniRef90_H8KP43
UniRef90_UPI000479EE71
UniRef90_A9HSA2
UniRef90_V4YK18
UniRef90_A9NEG5
UniRef90_Q9RYV0
UniRef90_R5Z353
UniRef90_R2NWN8
UniRef90_R5QAD6
UniRef90_D4JYA8
UniRef90_C2CHD4
UniRef90_UPI0003028E7F
UniRef90_UPI00035DB0A6
UniRef90_UPI00031B664E
UniRef90_V5RJR8
UniRef90_A3ZSP5
UniRef90_I0K3P5
UniRef90_B6FWB1
UniRef90_J8Q5R4
UniRef90_UPI000464689E
UniRef90_UPI000465A1DD
UniRef90_R8KLT9
UniRef90_C2W8V4
UniRef90_F0RKG6
UniRef90_T0U4G6
UniRef90_R5FVD7
UniRef90_A7GPS5
UniRef90_UPI000401471A
UniRef90_E8R3Q4
UniRef90_R7ICM2
UniRef90_R6LK78
UniRef90_R7K4Z5
UniRef90_B3ESD4
UniRef90_R6LRQ4
UniRef90_V9RAB7
UniRef90_I2F6X2
UniRef90_K2F1J6
UniRef90_F2F519
UniRef90_UPI0003704B5B
UniRef90_A6CJX9
UniRef90_UPI00047A1631
UniRef90_UPI00036C1EF5
UniRef90_L0A2K1

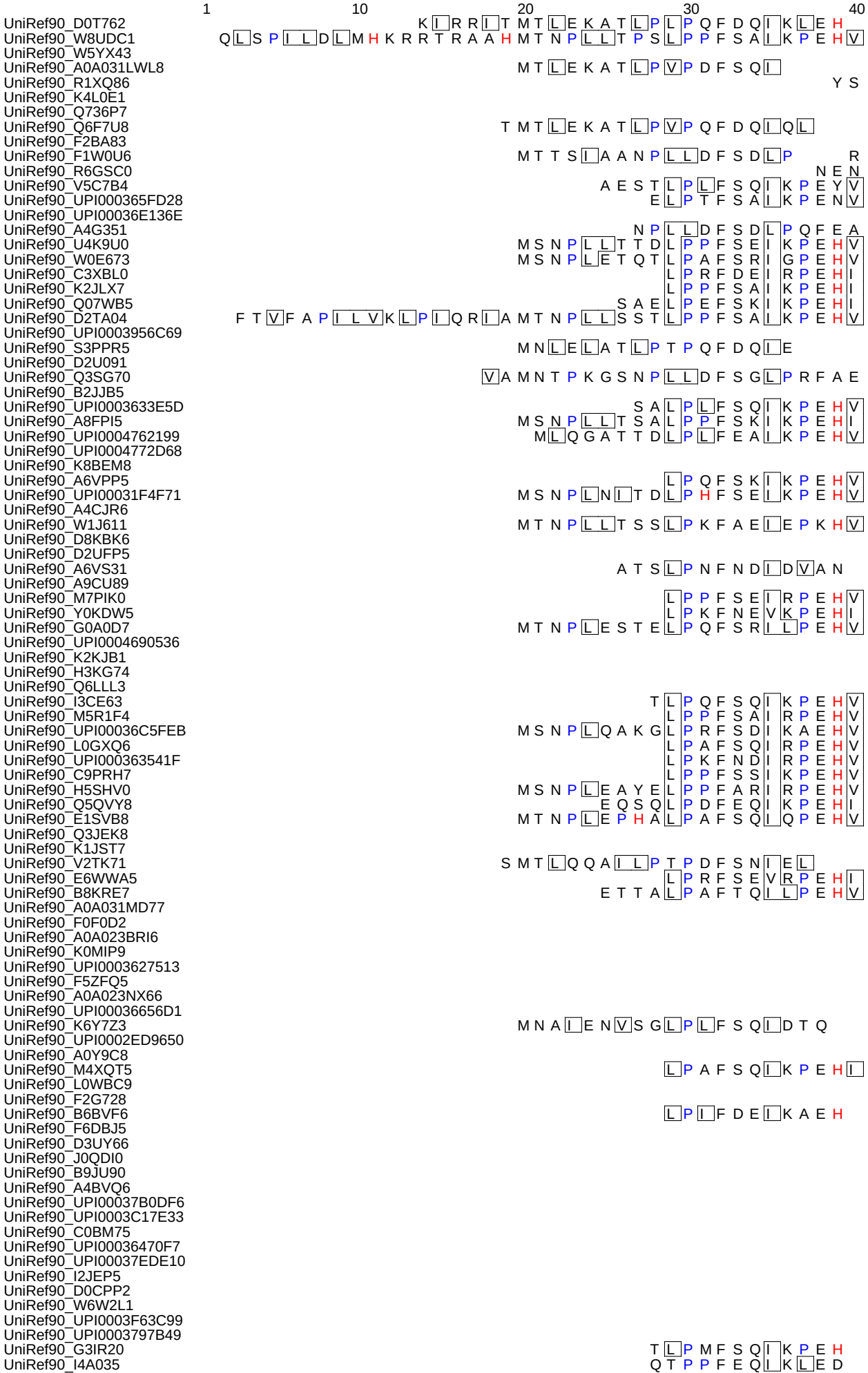

450
460
470
480
UniRef90_G2IEZ4
UniRef90_V5RVC7
UniRef90_C9MWP1
UniRef90_R7QLG6
UniRef90_F8CYC3
UniRef90_K6C5M3
UniRef90_J9HAI3
UniRef90_F0VLU4
UniRef90_K7R104
UniRef90_UPI00040E1D72
UniRef90_UPI0002490392
UniRef90_S9U7T7
UniRef90_UPI0003651F59
UniRef90_F7YTP4
UniRef90_UPI00047C1E0D
UniRef90_E7RD91
UniRef90_S5YX68
UniRef90_E3ZZJ2
UniRef90_L0F8X3
UniRef90_Q467R7
UniRef90_J2FVB9
UniRef90_S8XPS8
UniRef90_F4KXJ5
UniRef90_D3R2N1
UniRef90_C7PG49
UniRef90_U2SQB3
UniRef90_Q0TMX7
UniRef90_UPI00037AEDD9
UniRef90_Q8EWC2
UniRef90_E7NRE4
UniRef90_P47429
UniRef90_S6FM32
UniRef90_R6V655
UniRef90_UPI00034C6664
UniRef90_Q7NDT6
UniRef90_D2QDU1
UniRef90_A0A023BD98
UniRef90_V2XLT8
UniRef90_F7KL49
UniRef90_A0A023D4E6
UniRef90_R7FW93
UniRef90_UPI00034B8010
UniRef90_R5B3T1
UniRef90_UPI0003812FFB
UniRef90_B9KA06
UniRef90_UPI0003B46AC2
UniRef90_UPI00037BCE77
UniRef90_R9H4Z1
UniRef90_W8EYR1
UniRef90_H8KP43
UniRef90_UPI000479EE71
UniRef90_A9HSA2
UniRef90_V4YK18
UniRef90_A9NEG5
UniRef90_Q9RYV0
UniRef90_R5Z353
UniRef90_R2NWN8
UniRef90_R5QAD6
UniRef90_D4JYA8
UniRef90_C2CHD4
UniRef90_UPI0003028E7F
UniRef90_UPI00035DB0A6
UniRef90_UPI00031B664E
UniRef90_V5RJR8
UniRef90_A3ZSP5
UniRef90_I0K3P5
UniRef90_B6FWB1
UniRef90_J8Q5R4
UniRef90_UPI000464689E
UniRef90_UPI000465A1DD
UniRef90_R8KLT9
UniRef90_C2W8V4
UniRef90_F0RKG6
UniRef90_T0U4G6
UniRef90_R5FVD7
UniRef90_A7GPS5
UniRef90_UPI000401471A
UniRef90_E8R3Q4
UniRef90_R7ICM2
UniRef90_R6LK78
UniRef90_R7K4Z5
UniRef90_B3ESD4
UniRef90_R6LRQ4
UniRef90_V9RAB7
UniRef90_I2F6X2
UniRef90_K2F1J6
UniRef90_F2F519
UniRef90_UPI0003704B5B
UniRef90_A6CJX9
UniRef90_UPI00047A1631
UniRef90_UPI00036C1EF5
UniRef90_L0A2K1

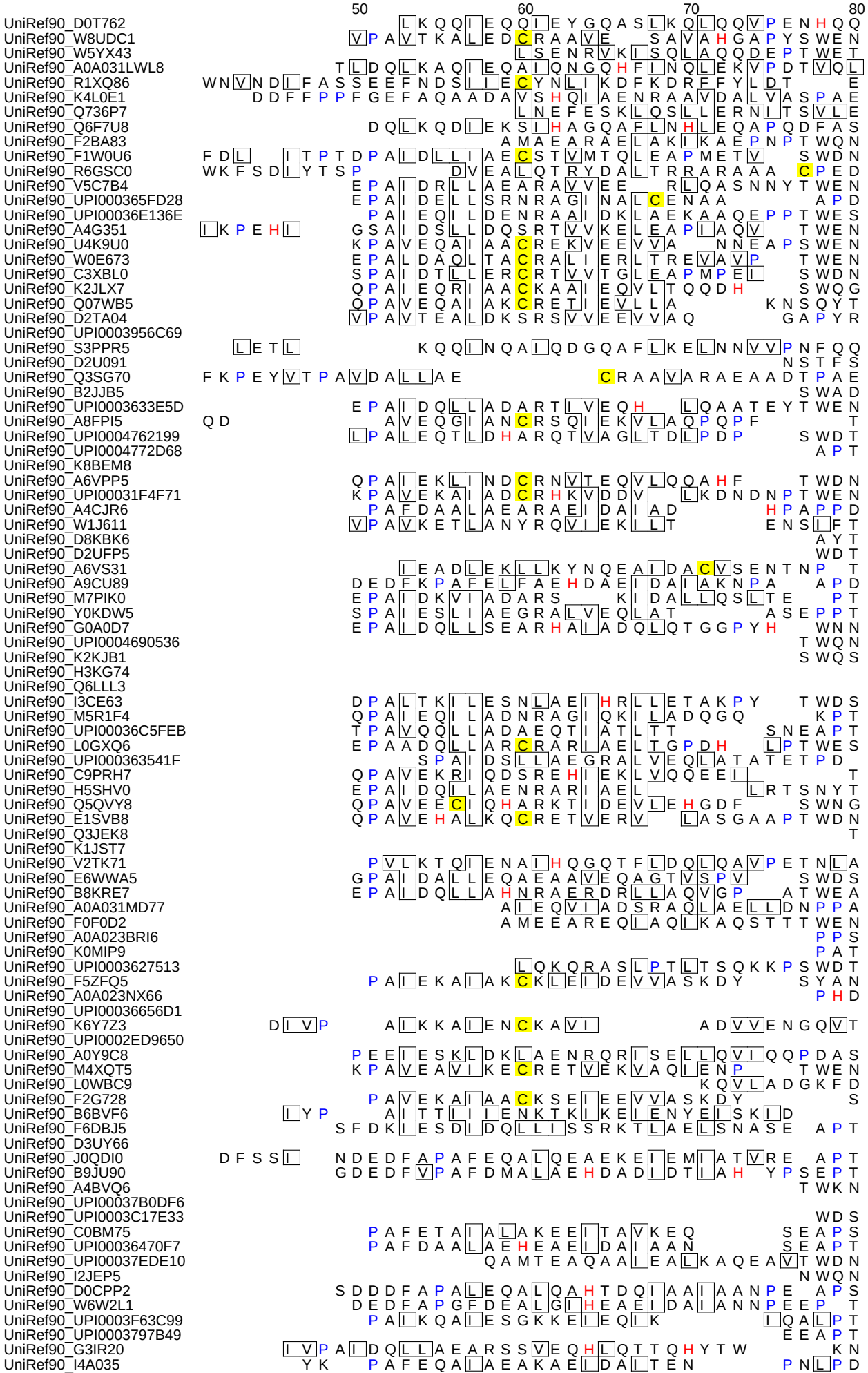

490
500
510
520
UniRef90_G2IEZ4
UniRef90_V5RVC7
UniRef90_C9MWP1
UniRef90_R7QLG6
UniRef90_F8CYC3
UniRef90_K6C5M3
UniRef90_J9HAI3
UniRef90_F0VLU4
UniRef90_K7R104
UniRef90_UPI00040E1D72
UniRef90_UPI0002490392
UniRef90_S9U7T7
UniRef90_UPI0003651F59
UniRef90_F7YTP4
UniRef90_UPI00047C1E0D
UniRef90_E7RD91
UniRef90_S5YX68
UniRef90_E3ZZJ2
UniRef90_L0F8X3
UniRef90_Q467R7
UniRef90_J2FVB9
UniRef90_S8XPS8
UniRef90_F4KXJ5
UniRef90_D3R2N1
UniRef90_C7PG49
UniRef90_U2SQB3
UniRef90_Q0TMX7
UniRef90_UPI00037AEDD9
UniRef90_Q8EWC2
UniRef90_E7NRE4
UniRef90_P47429
UniRef90_S6FM32
UniRef90_R6V655
UniRef90_UPI00034C6664
UniRef90_Q7NDT6
UniRef90_D2QDU1
UniRef90_A0A023BD98
UniRef90_V2XLT8
UniRef90_F7KL49
UniRef90_A0A023D4E6
UniRef90_R7FW93
UniRef90_UPI00034B8010
UniRef90_R5B3T1
UniRef90_UPI0003812FFB
UniRef90_B9KA06
UniRef90_UPI0003B46AC2
UniRef90_UPI00037BCE77
UniRef90_R9H4Z1
UniRef90_W8EYR1
UniRef90_H8KP43
UniRef90_UPI000479EE71
UniRef90_A9HSA2
UniRef90_V4YK18
UniRef90_A9NEG5
UniRef90_Q9RYV0
UniRef90_R5Z353
UniRef90_R2NWN8
UniRef90_R5QAD6
UniRef90_D4JYA8
UniRef90_C2CHD4
UniRef90_UPI0003028E7F
UniRef90_UPI00035DB0A6
UniRef90_UPI00031B664E
UniRef90_V5RJR8
UniRef90_A3ZSP5
UniRef90_I0K3P5
UniRef90_B6FWB1
UniRef90_J8Q5R4
UniRef90_UPI000464689E
UniRef90_UPI000465A1DD
UniRef90_R8KLT9
UniRef90_C2W8V4
UniRef90_F0RKG6
UniRef90_T0U4G6
UniRef90_R5FVD7
UniRef90_A7GPS5
UniRef90_UPI000401471A
UniRef90_E8R3Q4
UniRef90_R7ICM2
UniRef90_R6LK78
UniRef90_R7K4Z5
UniRef90_B3ESD4
UniRef90_R6LRQ4
UniRef90_V9RAB7
UniRef90_I2F6X2
UniRef90_K2F1J6
UniRef90_F2F519
UniRef90_UPI0003704B5B
UniRef90_A6CJX9
UniRef90_UPI00047A1631
UniRef90_UPI00036C1EF5
UniRef90_L0A2K1

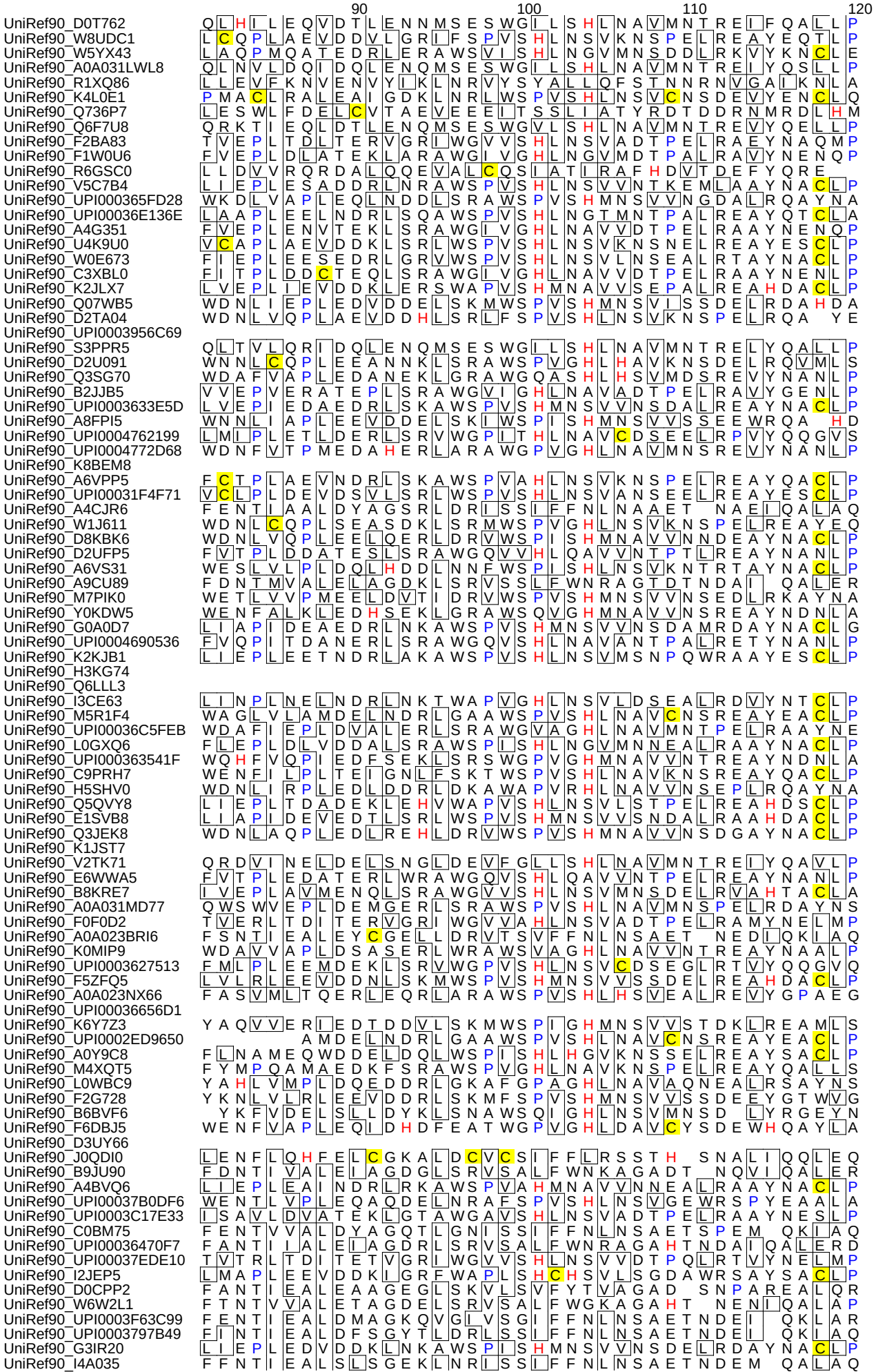

530
540
550
560
UniRef90_G2IEZ4
UniRef90_V5RVC7
UniRef90_C9MWP1
UniRef90_R7QLG6
UniRef90_F8CYC3
UniRef90_K6C5M3
UniRef90_J9HAI3
UniRef90_F0VLU4
UniRef90_K7R104
UniRef90_UPI00040E1D72
UniRef90_UPI0002490392
UniRef90_S9U7T7
UniRef90_UPI0003651F59
UniRef90_F7YTP4
UniRef90_UPI00047C1E0D
UniRef90_E7RD91
UniRef90_S5YX68
UniRef90_E3ZZJ2
UniRef90_L0F8X3
UniRef90_Q467R7
UniRef90_J2FVB9
UniRef90_S8XPS8
UniRef90_F4KXJ5
UniRef90_D3R2N1
UniRef90_C7PG49
UniRef90_U2SQB3
UniRef90_Q0TMX7
UniRef90_UPI00037AEDD9
UniRef90_Q8EWC2
UniRef90_E7NRE4
UniRef90_P47429
UniRef90_S6FM32
UniRef90_R6V655
UniRef90_UPI00034C6664
UniRef90_Q7NDT6
UniRef90_D2QDU1
UniRef90_A0A023BD98
UniRef90_V2XLT8
UniRef90_F7KL49
UniRef90_A0A023D4E6
UniRef90_R7FW93
UniRef90_UPI00034B8010
UniRef90_R5B3T1
UniRef90_UPI0003812FFB
UniRef90_B9KA06
UniRef90_UPI0003B46AC2
UniRef90_UPI00037BCE77
UniRef90_R9H4Z1
UniRef90_W8EYR1
UniRef90_H8KP43
UniRef90_UPI000479EE71
UniRef90_A9HSA2
UniRef90_V4YK18
UniRef90_A9NEG5
UniRef90_Q9RYV0
UniRef90_R5Z353
UniRef90_R2NWN8
UniRef90_R5QAD6
UniRef90_D4JYA8
UniRef90_C2CHD4
UniRef90_UPI0003028E7F
UniRef90_UPI00035DB0A6
UniRef90_UPI00031B664E
UniRef90_V5RJR8
UniRef90_A3ZSP5
UniRef90_I0K3P5
UniRef90_B6FWB1
UniRef90_J8Q5R4
UniRef90_UPI000464689E
UniRef90_UPI000465A1DD
UniRef90_R8KLT9
UniRef90_C2W8V4
UniRef90_F0RKG6
UniRef90_T0U4G6
UniRef90_R5FVD7
UniRef90_A7GPS5
UniRef90_UPI000401471A
UniRef90_E8R3Q4
UniRef90_R7ICM2
UniRef90_R6LK78
UniRef90_R7K4Z5
UniRef90_B3ESD4
UniRef90_R6LRQ4
UniRef90_V9RAB7
UniRef90_I2F6X2
UniRef90_K2F1J6
UniRef90_F2F519
UniRef90_UPI0003704B5B
UniRef90_A6CJX9
UniRef90_UPI00047A1631
UniRef90_UPI00036C1EF5
UniRef90_L0A2K1

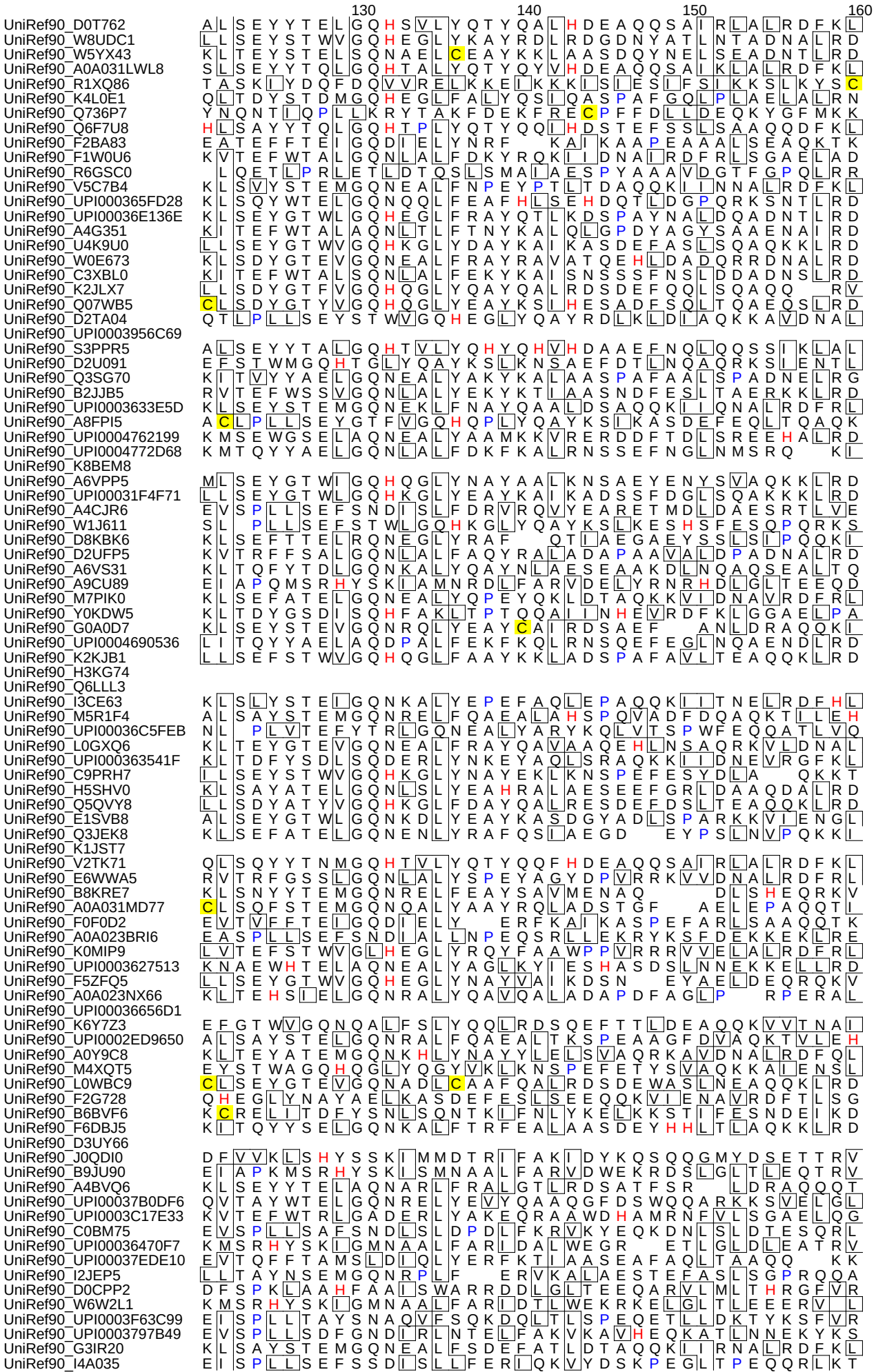

570
580
590
600
UniRef90_G2IEZ4
UniRef90_V5RVC7
UniRef90_C9MWP1
UniRef90_R7QLG6
UniRef90_F8CYC3
UniRef90_K6C5M3
UniRef90_J9HAI3
UniRef90_F0VLU4
UniRef90_K7R104
UniRef90_UPI00040E1D72
UniRef90_UPI0002490392
UniRef90_S9U7T7
UniRef90_UPI0003651F59
UniRef90_F7YTP4
UniRef90_UPI00047C1E0D
UniRef90_E7RD91
UniRef90_S5YX68
UniRef90_E3ZZJ2
UniRef90_L0F8X3
UniRef90_Q467R7
UniRef90_J2FVB9
UniRef90_S8XPS8
UniRef90_F4KXJ5
UniRef90_D3R2N1
UniRef90_C7PG49
UniRef90_U2SQB3
UniRef90_Q0TMX7
UniRef90_UPI00037AEDD9
UniRef90_Q8EWC2
UniRef90_E7NRE4
UniRef90_P47429
UniRef90_S6FM32
UniRef90_R6V655
UniRef90_UPI00034C6664
UniRef90_Q7NDT6
UniRef90_D2QDU1
UniRef90_A0A023BD98
UniRef90_V2XLT8
UniRef90_F7KL49
UniRef90_A0A023D4E6
UniRef90_R7FW93
UniRef90_UPI00034B8010
UniRef90_R5B3T1
UniRef90_UPI0003812FFB
UniRef90_B9KA06
UniRef90_UPI0003B46AC2
UniRef90_UPI00037BCE77
UniRef90_R9H4Z1
UniRef90_W8EYR1
UniRef90_H8KP43
UniRef90_UPI000479EE71
UniRef90_A9HSA2
UniRef90_V4YK18
UniRef90_A9NEG5
UniRef90_Q9RYV0
UniRef90_R5Z353
UniRef90_R2NWN8
UniRef90_R5QAD6
UniRef90_D4JYA8
UniRef90_C2CHD4
UniRef90_UPI0003028E7F
UniRef90_UPI00035DB0A6
UniRef90_UPI00031B664E
UniRef90_V5RJR8
UniRef90_A3ZSP5
UniRef90_I0K3P5
UniRef90_B6FWB1
UniRef90_J8Q5R4
UniRef90_UPI000464689E
UniRef90_UPI000465A1DD
UniRef90_R8KLT9
UniRef90_C2W8V4
UniRef90_F0RKG6
UniRef90_T0U4G6
UniRef90_R5FVD7
UniRef90_A7GPS5
UniRef90_UPI000401471A
UniRef90_E8R3Q4
UniRef90_R7ICM2
UniRef90_R6LK78
UniRef90_R7K4Z5
UniRef90_B3ESD4
UniRef90_R6LRQ4
UniRef90_V9RAB7
UniRef90_I2F6X2
UniRef90_K2F1J6
UniRef90_F2F519
UniRef90_UPI0003704B5B
UniRef90_A6CJX9
UniRef90_UPI00047A1631
UniRef90_UPI00036C1EF5
UniRef90_L0A2K1

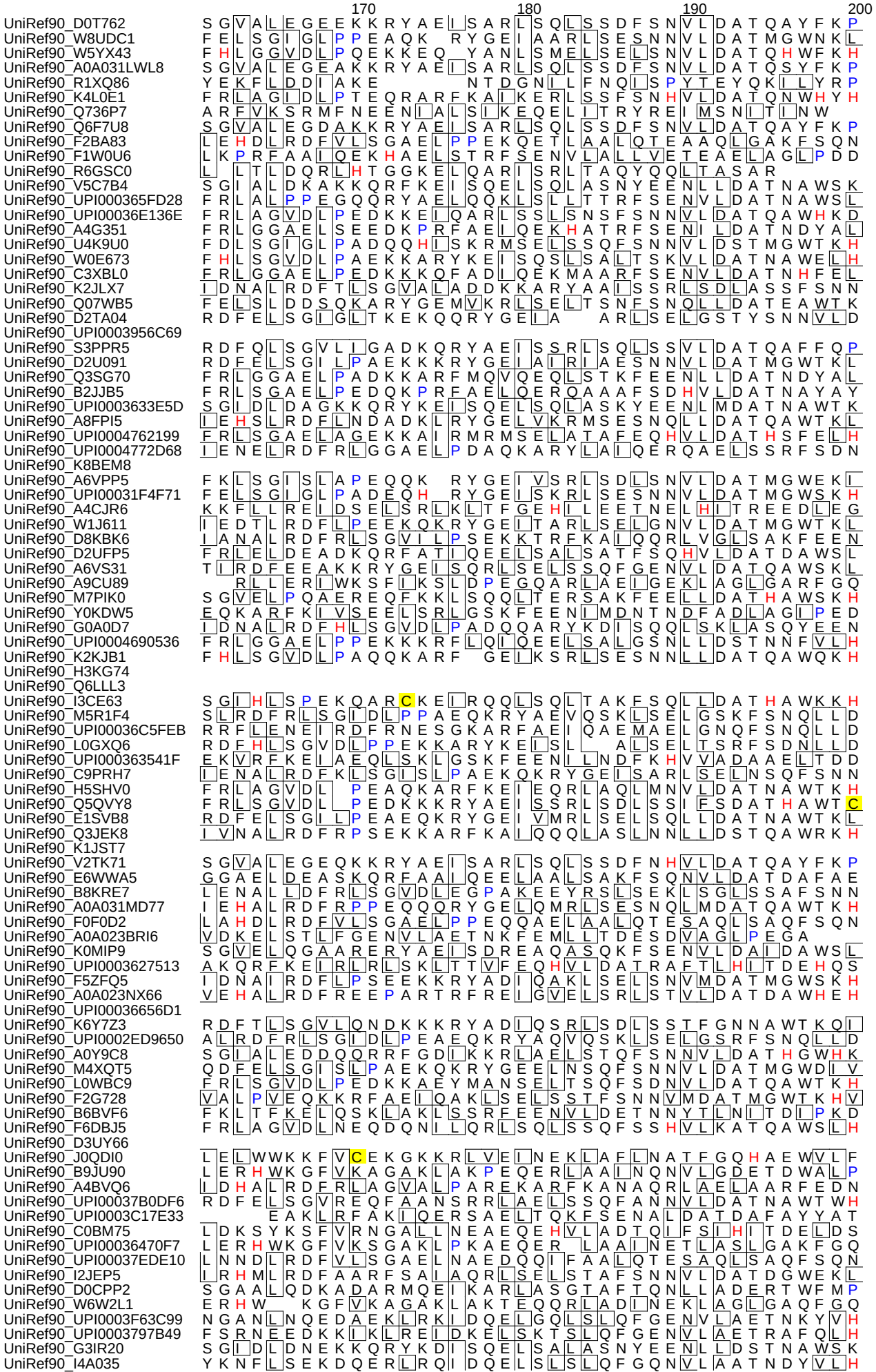

610
620
UniRef90_G2IEZ4 E D F F R K S I E I L K N K Y Y K Y K D L V
UniRef90_V5RVC7 K G F W M K G L E E L D S M V T E A E E L A R K L
UniRef90_C9MWP1 I E T I E A V A K Q F D L L L D K L E V E I G K L
UniRef90_R7QLG6 D Q F W L N A I A V A E R K L I Q L E E V A S K L
UniRef90_F8CYC3 I S P F Q D G C V Q A V A G E M E R W L N S V D D S
UniRef90_K6C5M3 I S P F E D G C V E S V V G V I E N W L N S V E D
UniRef90_J9HAI3 R S P F D E N C I E S M I G D I A N W L D S V D D N
UniRef90_F0VLU4 E S F W A D A M K A T G G A V D Q A E A L A A E L D
UniRef90_K7R104 P A F W R K A L G V L E E K V E A L A R M V
UniRef90_UPI00040E1D72 I S P F E E G C V E S V I G P I E Q W L N S I N D
UniRef90_UPI0002490392 D E Y L K Q A F A V F E K R L D Q M E D L L K
UniRef90_S9U7T7 M S P F E N G C I A S V I G D I E N W L N K V D D T
UniRef90_UPI0003651F59 I S P F E D G C V A S V I G D I E N W L N S I D D S
UniRef90_F7YTP4 S P F E E E T I K K V A E K V
UniRef90_UPI00047C1E0D R N P F E E G C I Q S I I G P I Q Q W L D Q V D D T
UniRef90_E7RD91 R E F W H A S Q Q P L K D A I D E Y M R L T E K
UniRef90_S5YX68 S S F A D G A V A S V A G H I E R W L D S V D D
UniRef90_E3ZZJ2
UniRef90_L0F8X3 V S P F Q D G C V Q S V I G T I E E W L N E V D D
UniRef90_Q467R7 R Q L F E D A M D V V E L R I Q E L Y K L A R E R E
UniRef90_J2FVB9 Y S P F E D D C I P S V I G E I E Q F L N S I D D
UniRef90_S8XPS8
UniRef90_F4KXJ5 S P F Q K G C V E A V A Q E I S N W L E S I D D S
UniRef90_D3R2N1
UniRef90_C7PG49 P A Y V Q E L A A F V Q A E I E K V S E
UniRef90_U2SQB3 K N P F T E G T I A S V I P K I R E F L D S I D D
UniRef90_Q0TMX7 K S P F E N G C V E S V V G V V D E Y L E S I D D S
UniRef90_UPI00037AEDD9 Q S P F K E G A L E A T I S A A T D Y L D S I D D T
UniRef90_Q8EWC2 S K P W E D V N K I V E K W I K E Y K E L I K
UniRef90_E7NRE4 K N P F A A G C I A S I T P A C K E F L H S I D D T
UniRef90_P47429 P Q P W Q E A H N E V K R W L K I V K Q S F K K L Q K
UniRef90_S6FM32 S P F K E G C M E N I I N D I D K Y L Y N I E D
UniRef90_R6V655 R S P F E E G C M K E I V D K L K K K I N
UniRef90_UPI00034C6664
UniRef90_Q7NDT6
UniRef90_D2QDU1 Q E H I R E L M G F V W E E I E K L
UniRef90_A0A023BD98 P E F W T A A F D Y L Q P M L E Q A E K L A S A L Q A S
UniRef90_V2XLT8 R S P F E D G
UniRef90_F7KL49 P F E E G C L K E M A G K L E K K L T K
UniRef90_A0A023D4E6 V S P F E P G A I V E V V Q E A E A V L
UniRef90_R7FW93 P G S V K K A I S F A K E I L
UniRef90_UPI00034B8010 R E Y I R E L M A F V K E E L E K L
UniRef90_R5B3T1 E G T V Q R A I A P L V K A L G E I D D M
UniRef90_UPI0003812FFB P D Y I K A L M D F V N E
UniRef90_B9KA06 R D Y I R E I V D F V A K Q I E E I E K
UniRef90_UPI0003B46AC2 E E C L A Q V T G S V S Q W L D E I E E L T A
UniRef90_UPI00037BCE77 E G A L E A T V K A A N D W L N A I D D
UniRef90_R9H4Z1 A E Y V H E L A T F I K A E L D L L E A
UniRef90_W8EYR1 T E Y L R T L A D F V R D E M A K L
UniRef90_H8KP43 K E Y V H E L M Q F V K S E L S K L D
UniRef90_UPI000479EE71 V A F W Q Q S L T P L R D S I V L Y L K E T D S L
UniRef90_A9HSA2 A S P F E P G T L A D I V Q E A E R V L Q
UniRef90_V4YK18 P S F W R D A I G M L G T A V E R A E R L A S E L
UniRef90_A9NEG5 P N P F I D G T I E E I L K P V N A Y L S S I D D S
UniRef90_Q9RYV0 R E Y I R G L M G F L K E Q L
UniRef90_R5Z353 P F Q A G C L V E V M K E V E T W L A Q F D Q N
UniRef90_R2NWN8
UniRef90_R5QAD6 P A F W E T A M Q A P L A A V K A F A A L S S K
UniRef90_D4JYA8 D G S I K A I A Q Q M S Q W I A E
UniRef90_C2CHD4 S S P F Q E G T I E E I I P K L T K Y L D S L D K
UniRef90_UPI0003028E7F A T Y I K E L M D F V K L E L E K L E D
UniRef90_UPI00035DB0A6 C E F W L L C I D N A L S Y A Q E F K R L E T E L
UniRef90_UPI00031B664E K E
UniRef90_V5RJR8 E K A Y
UniRef90_A3ZSP5 P G S L K E V V Q Q A R E Y L K
UniRef90_I0K3P5 K E H I G E L M A F L Q E E I A R L K
UniRef90_B6FWB1 K S P F E K G C
UniRef90_J8Q5R4 E E M I K E L V E F L E T E L T L L E Q
UniRef90_UPI000464689E E E T I R G I M E F L Q S K L
UniRef90_UPI000465A1DD K N A L T K I I N S V K F Y L D
UniRef90_R8KLT9 Y E F W D K A F K Q I S K D I D E Y L Q L T
UniRef90_C2W8V4 N K F W E K S L L Q I N K D I G E Y L E L V Q K
UniRef90_F0RKG6 A E Y I G G L M D F L R G Q L R E
UniRef90_T0U4G6 K G A L D D T L K A V D D Y L E
UniRef90_R5FVD7 D G T L D A I A S E I L K I V K E L K K
UniRef90_A7GPS5 E D T I K K L M L F V
UniRef90_UPI000401471A
UniRef90_E8R3Q4 P R T I G P L M A T I Q D E L A K L
UniRef90_R7ICM2 P Q F W Q T A M K G L A G S L E A F R Q Y
UniRef90_R6LK78 A G S V E R A C G Y A E E I L
UniRef90_R7K4Z5 K S P F N E E A F I E V V D E M K K I L Q
UniRef90_B3ESD4 K A H I Q S L V S F L K Q E W E Q
UniRef90_R6LRQ4 E G T I Y N V L K K L N
UniRef90_V9RAB7 S Q D Y K R I H Q V F K G W L R E Y E M L G K E L
UniRef90_I2F6X2 S E Y L L E L V R F V E S E L
UniRef90_K2F1J6 I E H I R Q L I D F V R S E L K
UniRef90_F2F519 D F S E S T V K R M G E F L E K V I Q
UniRef90_UPI0003704B5B
UniRef90_A6CJX9 R S P F E E G S L S Q I F T S V E K W L N K
UniRef90_UPI00047A1631 D A F W Q D A L E P L R S A I E L Y L Q E T A G L
UniRef90_UPI00036C1EF5 A E T M R G L M A L L E E Q L E
UniRef90_L0A2K1 E A T L R E L M G F V E E Q L

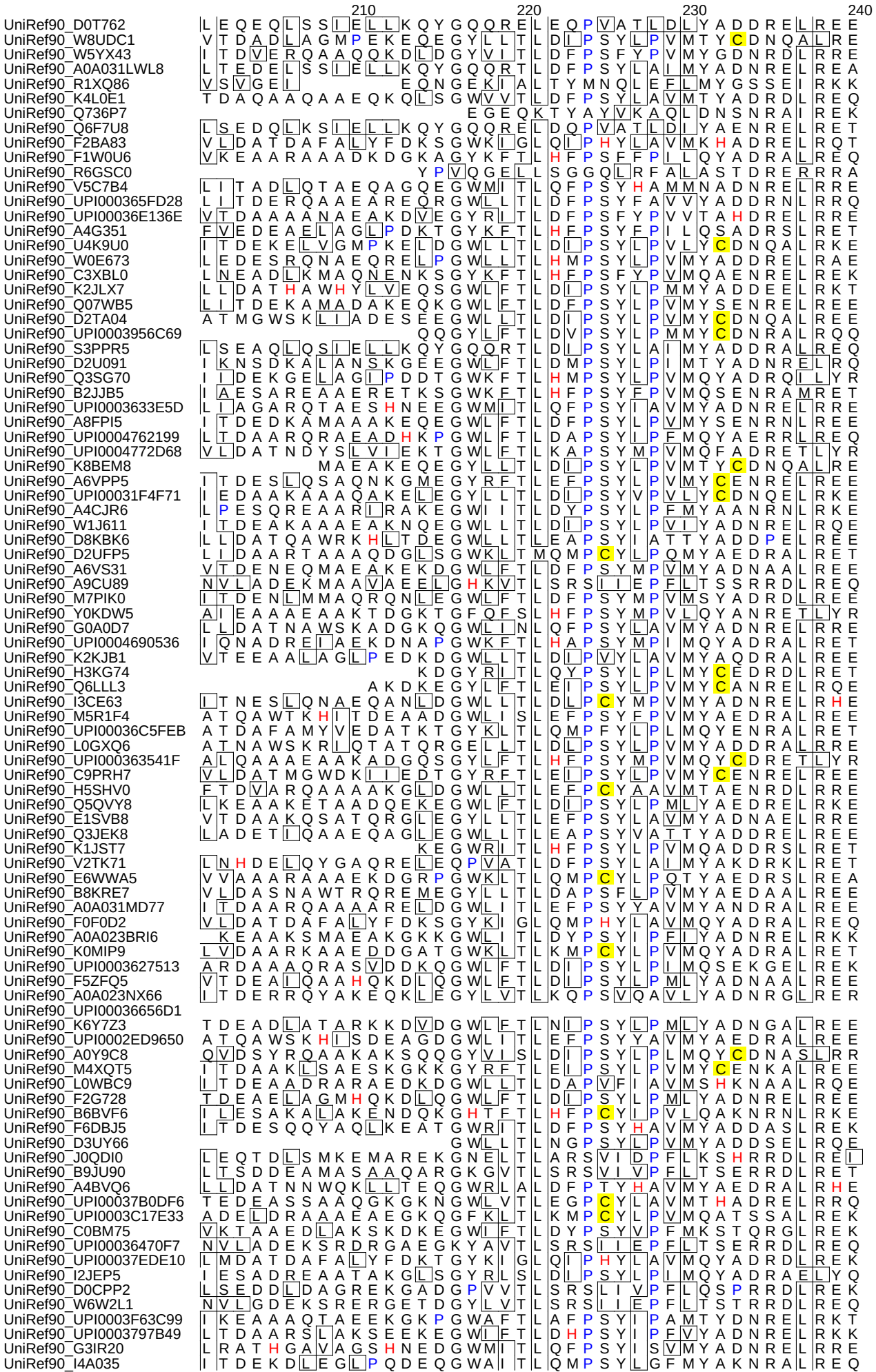

1
10
20
30
40
UniRef90_D0T762
UniRef90_W8UDC1
UniRef90_W5YX43
UniRef90_A0A031LWL8
UniRef90_R1XQ86
UniRef90_K4L0E1
UniRef90_Q736P7
UniRef90_Q6F7U8
UniRef90_F2BA83
UniRef90_F1W0U6
UniRef90_R6GSC0
UniRef90_V5C7B4
UniRef90_UPI000365FD28
UniRef90_UPI00036E136E
UniRef90_A4G351
UniRef90_U4K9U0
UniRef90_W0E673
UniRef90_C3XBL0
UniRef90_K2JLX7
UniRef90_Q07WB5
UniRef90_D2TA04
UniRef90_UPI0003956C69
UniRef90_S3PPR5
UniRef90_D2U091
UniRef90_Q3SG70
UniRef90_B2JJB5
UniRef90_UPI0003633E5D
UniRef90_A8FPI5
UniRef90_UPI0004762199
UniRef90_UPI0004772D68
UniRef90_K8BEM8
UniRef90_A6VPP5
UniRef90_UPI00031F4F71
UniRef90_A4CJR6
UniRef90_W1J611
UniRef90_D8KBK6
UniRef90_D2UFP5
UniRef90_A6VS31
UniRef90_A9CU89
UniRef90_M7PIK0
UniRef90_Y0KDW5
UniRef90_G0A0D7
UniRef90_UPI0004690536
UniRef90_K2KJB1
UniRef90_H3KG74
UniRef90_Q6LLL3
UniRef90_I3CE63
UniRef90_M5R1F4
UniRef90_UPI00036C5FEB
UniRef90_L0GXQ6
UniRef90_UPI000363541F
UniRef90_C9PRH7
UniRef90_H5SHV0
UniRef90_Q5QVY8
UniRef90_E1SVB8
UniRef90_Q3JEK8
UniRef90_K1JST7
UniRef90_V2TK71
UniRef90_E6WWA5
UniRef90_B8KRE7
UniRef90_A0A031MD77
UniRef90_F0F0D2
UniRef90_A0A023BRI6
UniRef90_K0MIP9
UniRef90_UPI0003627513
UniRef90_F5ZFQ5
UniRef90_A0A023NX66
UniRef90_UPI00036656D1
UniRef90_K6Y7Z3
UniRef90_UPI0002ED9650
UniRef90_A0Y9C8
UniRef90_M4XQT5
UniRef90_L0WBC9
UniRef90_F2G728
UniRef90_B6BVF6
UniRef90_F6DBJ5
UniRef90_D3UY66
UniRef90_J0QDI0
UniRef90_B9JU90
UniRef90_A4BVQ6
UniRef90_UPI00037B0DF6
UniRef90_UPI0003C17E33
UniRef90_C0BM75
UniRef90_UPI00036470F7
UniRef90_UPI00037EDE10
UniRef90_I2JEP5
UniRef90_D0CPP2
UniRef90_W6W2L1
UniRef90_UPI0003F63C99
UniRef90_UPI0003797B49
UniRef90_G3IR20
UniRef90_I4A035

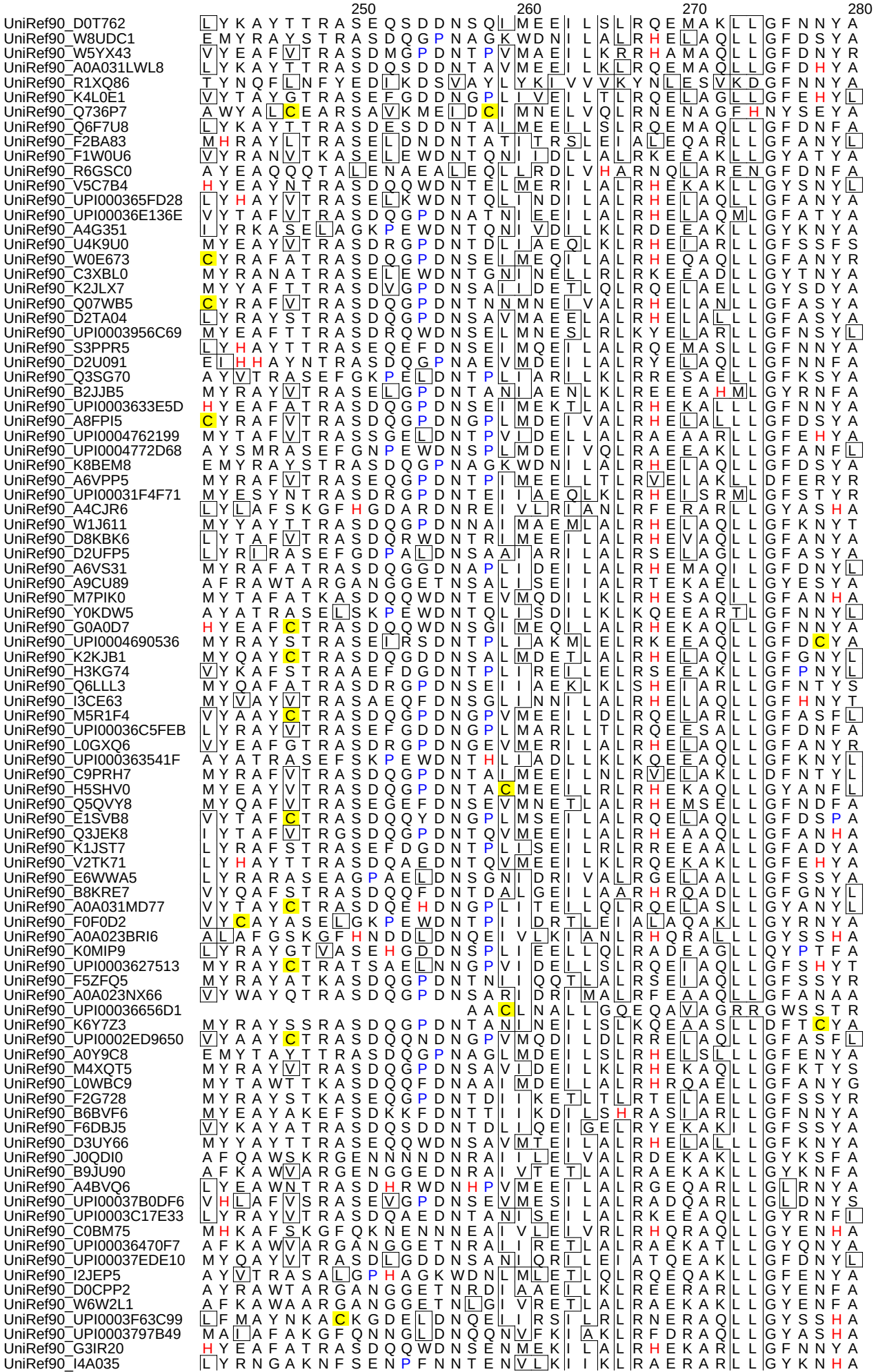

50
60
70
80
UniRef90_D0T762
UniRef90_W8UDC1
UniRef90_W5YX43
UniRef90_A0A031LWL8
UniRef90_R1XQ86
UniRef90_K4L0E1
UniRef90_Q736P7
UniRef90_Q6F7U8
UniRef90_F2BA83
UniRef90_F1W0U6
UniRef90_R6GSC0
UniRef90_V5C7B4
UniRef90_UPI000365FD28
UniRef90_UPI00036E136E
UniRef90_A4G351
UniRef90_U4K9U0
UniRef90_W0E673
UniRef90_C3XBL0
UniRef90_K2JLX7
UniRef90_Q07WB5
UniRef90_D2TA04
UniRef90_UPI0003956C69
UniRef90_S3PPR5
UniRef90_D2U091
UniRef90_Q3SG70
UniRef90_B2JJB5
UniRef90_UPI0003633E5D
UniRef90_A8FPI5
UniRef90_UPI0004762199
UniRef90_UPI0004772D68
UniRef90_K8BEM8
UniRef90_A6VPP5
UniRef90_UPI00031F4F71
UniRef90_A4CJR6
UniRef90_W1J611
UniRef90_D8KBK6
UniRef90_D2UFP5
UniRef90_A6VS31
UniRef90_A9CU89
UniRef90_M7PIK0
UniRef90_Y0KDW5
UniRef90_G0A0D7
UniRef90_UPI0004690536
UniRef90_K2KJB1
UniRef90_H3KG74
UniRef90_Q6LLL3
UniRef90_I3CE63
UniRef90_M5R1F4
UniRef90_UPI00036C5FEB
UniRef90_L0GXQ6
UniRef90_UPI000363541F
UniRef90_C9PRH7
UniRef90_H5SHV0
UniRef90_Q5QVY8
UniRef90_E1SVB8
UniRef90_Q3JEK8
UniRef90_K1JST7
UniRef90_V2TK71
UniRef90_E6WWA5
UniRef90_B8KRE7
UniRef90_A0A031MD77
UniRef90_F0F0D2
UniRef90_A0A023BRI6
UniRef90_K0MIP9
UniRef90_UPI0003627513
UniRef90_F5ZFQ5
UniRef90_A0A023NX66
UniRef90_UPI00036656D1
UniRef90_K6Y7Z3
UniRef90_UPI0002ED9650
UniRef90_A0Y9C8
UniRef90_M4XQT5
UniRef90_L0WBC9
UniRef90_F2G728
UniRef90_B6BVF6
UniRef90_F6DBJ5
UniRef90_D3UY66
UniRef90_J0QDI0
UniRef90_B9JU90
UniRef90_A4BVQ6
UniRef90_UPI00037B0DF6
UniRef90_UPI0003C17E33
UniRef90_C0BM75
UniRef90_UPI00036470F7
UniRef90_UPI00037EDE10
UniRef90_I2JEP5
UniRef90_D0CPP2
UniRef90_W6W2L1
UniRef90_UPI0003F63C99
UniRef90_UPI0003797B49
UniRef90_G3IR20
UniRef90_I4A035

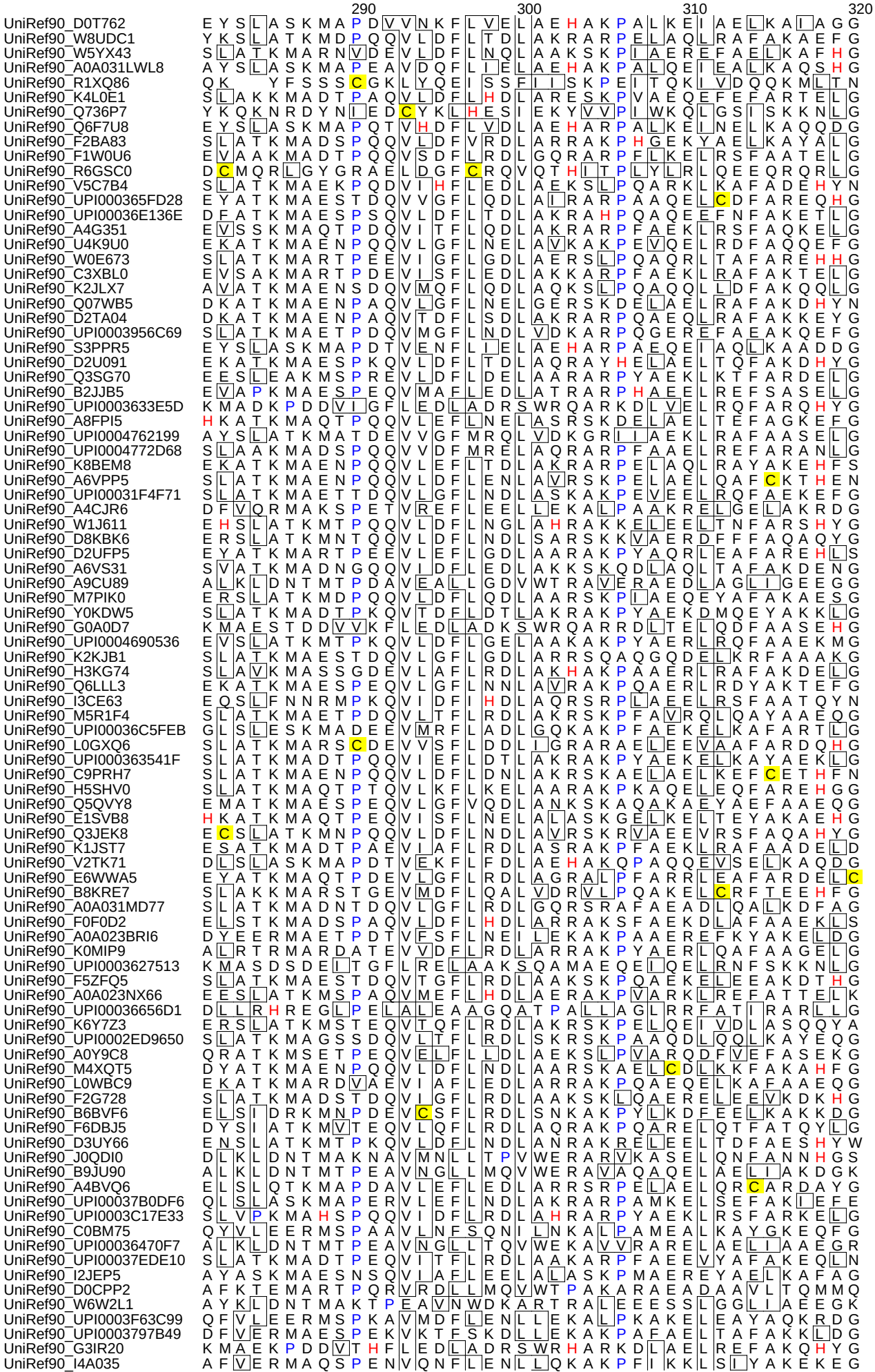

90
100
110
120
UniRef90_D0T762
UniRef90_W8UDC1
UniRef90_W5YX43
UniRef90_A0A031LWL8
UniRef90_R1XQ86
UniRef90_K4L0E1
UniRef90_Q736P7
UniRef90_Q6F7U8
UniRef90_F2BA83
UniRef90_F1W0U6
UniRef90_R6GSC0
UniRef90_V5C7B4
UniRef90_UPI000365FD28
UniRef90_UPI00036E136E
UniRef90_A4G351
UniRef90_U4K9U0
UniRef90_W0E673
UniRef90_C3XBL0
UniRef90_K2JLX7
UniRef90_Q07WB5
UniRef90_D2TA04
UniRef90_UPI0003956C69
UniRef90_S3PPR5
UniRef90_D2U091
UniRef90_Q3SG70
UniRef90_B2JJB5
UniRef90_UPI0003633E5D
UniRef90_A8FPI5
UniRef90_UPI0004762199
UniRef90_UPI0004772D68
UniRef90_K8BEM8
UniRef90_A6VPP5
UniRef90_UPI00031F4F71
UniRef90_A4CJR6
UniRef90_W1J611
UniRef90_D8KBK6
UniRef90_D2UFP5
UniRef90_A6VS31
UniRef90_A9CU89
UniRef90_M7PIK0
UniRef90_Y0KDW5
UniRef90_G0A0D7
UniRef90_UPI0004690536
UniRef90_K2KJB1
UniRef90_H3KG74
UniRef90_Q6LLL3
UniRef90_I3CE63
UniRef90_M5R1F4
UniRef90_UPI00036C5FEB
UniRef90_L0GXQ6
UniRef90_UPI000363541F
UniRef90_C9PRH7
UniRef90_H5SHV0
UniRef90_Q5QVY8
UniRef90_E1SVB8
UniRef90_Q3JEK8
UniRef90_K1JST7
UniRef90_V2TK71
UniRef90_E6WWA5
UniRef90_B8KRE7
UniRef90_A0A031MD77
UniRef90_F0F0D2
UniRef90_A0A023BRI6
UniRef90_K0MIP9
UniRef90_UPI0003627513
UniRef90_F5ZFQ5
UniRef90_A0A023NX66
UniRef90_UPI00036656D1
UniRef90_K6Y7Z3
UniRef90_UPI0002ED9650
UniRef90_A0Y9C8
UniRef90_M4XQT5
UniRef90_L0WBC9
UniRef90_F2G728
UniRef90_B6BVF6
UniRef90_F6DBJ5
UniRef90_D3UY66
UniRef90_J0QDI0
UniRef90_B9JU90
UniRef90_A4BVQ6
UniRef90_UPI00037B0DF6
UniRef90_UPI0003C17E33
UniRef90_C0BM75
UniRef90_UPI00036470F7
UniRef90_UPI00037EDE10
UniRef90_I2JEP5
UniRef90_D0CPP2
UniRef90_W6W2L1
UniRef90_UPI0003F63C99
UniRef90_UPI0003797B49
UniRef90_G3IR20
UniRef90_I4A035

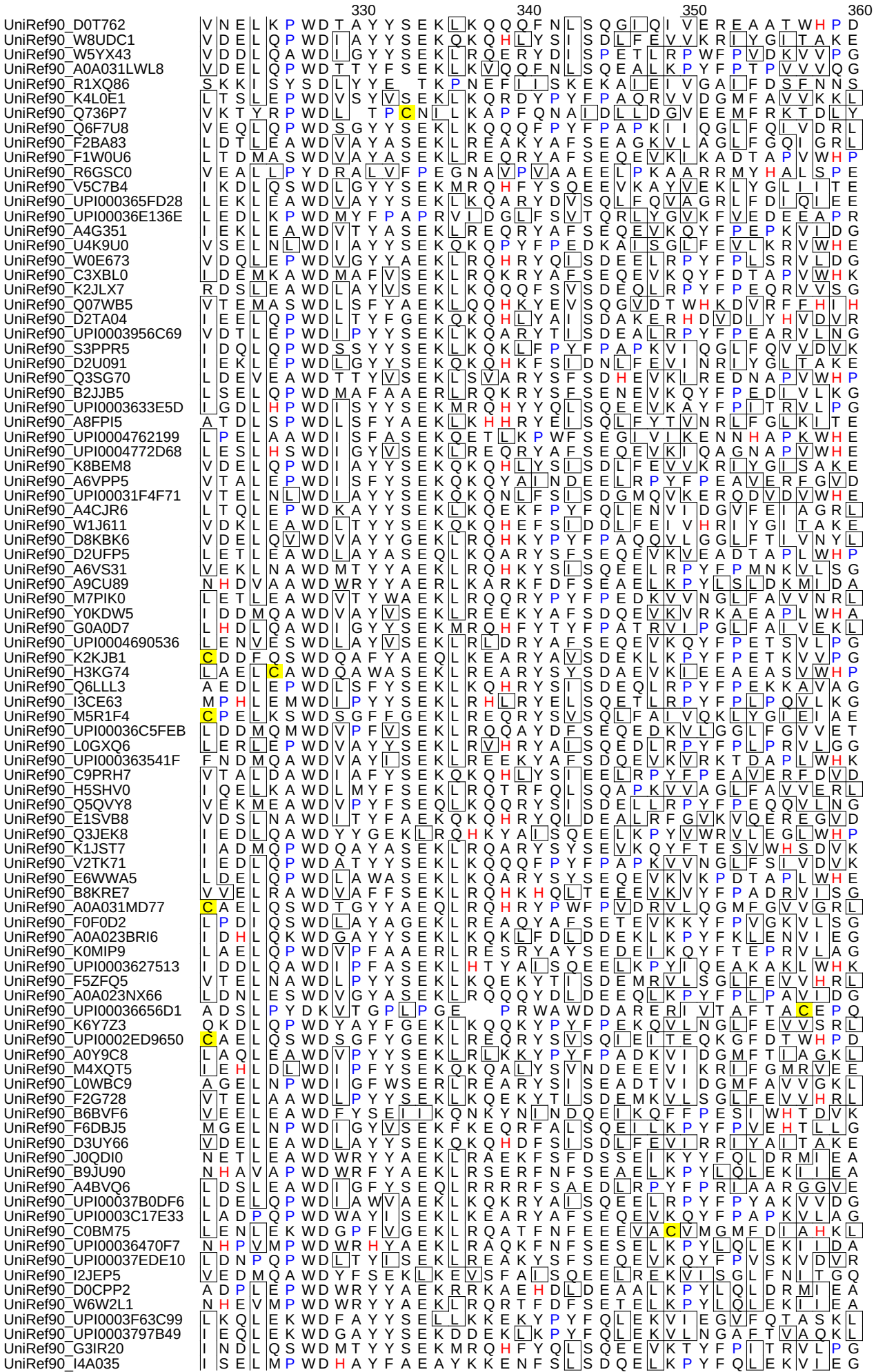

130
140
150
160
UniRef90_D0T762
UniRef90_W8UDC1
UniRef90_W5YX43
UniRef90_A0A031LWL8
UniRef90_R1XQ86
UniRef90_K4L0E1
UniRef90_Q736P7
UniRef90_Q6F7U8
UniRef90_F2BA83
UniRef90_F1W0U6
UniRef90_R6GSC0
UniRef90_V5C7B4
UniRef90_UPI000365FD28
UniRef90_UPI00036E136E
UniRef90_A4G351
UniRef90_U4K9U0
UniRef90_W0E673
UniRef90_C3XBL0
UniRef90_K2JLX7
UniRef90_Q07WB5
UniRef90_D2TA04
UniRef90_UPI0003956C69
UniRef90_S3PPR5
UniRef90_D2U091
UniRef90_Q3SG70
UniRef90_B2JJB5
UniRef90_UPI0003633E5D
UniRef90_A8FPI5
UniRef90_UPI0004762199
UniRef90_UPI0004772D68
UniRef90_K8BEM8
UniRef90_A6VPP5
UniRef90_UPI00031F4F71
UniRef90_A4CJR6
UniRef90_W1J611
UniRef90_D8KBK6
UniRef90_D2UFP5
UniRef90_A6VS31
UniRef90_A9CU89
UniRef90_M7PIK0
UniRef90_Y0KDW5
UniRef90_G0A0D7
UniRef90_UPI0004690536
UniRef90_K2KJB1
UniRef90_H3KG74
UniRef90_Q6LLL3
UniRef90_I3CE63
UniRef90_M5R1F4
UniRef90_UPI00036C5FEB
UniRef90_L0GXQ6
UniRef90_UPI000363541F
UniRef90_C9PRH7
UniRef90_H5SHV0
UniRef90_Q5QVY8
UniRef90_E1SVB8
UniRef90_Q3JEK8
UniRef90_K1JST7
UniRef90_V2TK71
UniRef90_E6WWA5
UniRef90_B8KRE7
UniRef90_A0A031MD77
UniRef90_F0F0D2
UniRef90_A0A023BRI6
UniRef90_K0MIP9
UniRef90_UPI0003627513
UniRef90_F5ZFQ5
UniRef90_A0A023NX66
UniRef90_UPI00036656D1
UniRef90_K6Y7Z3
UniRef90_UPI0002ED9650
UniRef90_A0Y9C8
UniRef90_M4XQT5
UniRef90_L0WBC9
UniRef90_F2G728
UniRef90_B6BVF6
UniRef90_F6DBJ5
UniRef90_D3UY66
UniRef90_J0QDI0
UniRef90_B9JU90
UniRef90_A4BVQ6
UniRef90_UPI00037B0DF6
UniRef90_UPI0003C17E33
UniRef90_C0BM75
UniRef90_UPI00036470F7
UniRef90_UPI00037EDE10
UniRef90_I2JEP5
UniRef90_D0CPP2
UniRef90_W6W2L1
UniRef90_UPI0003F63C99
UniRef90_UPI0003797B49
UniRef90_G3IR20
UniRef90_I4A035

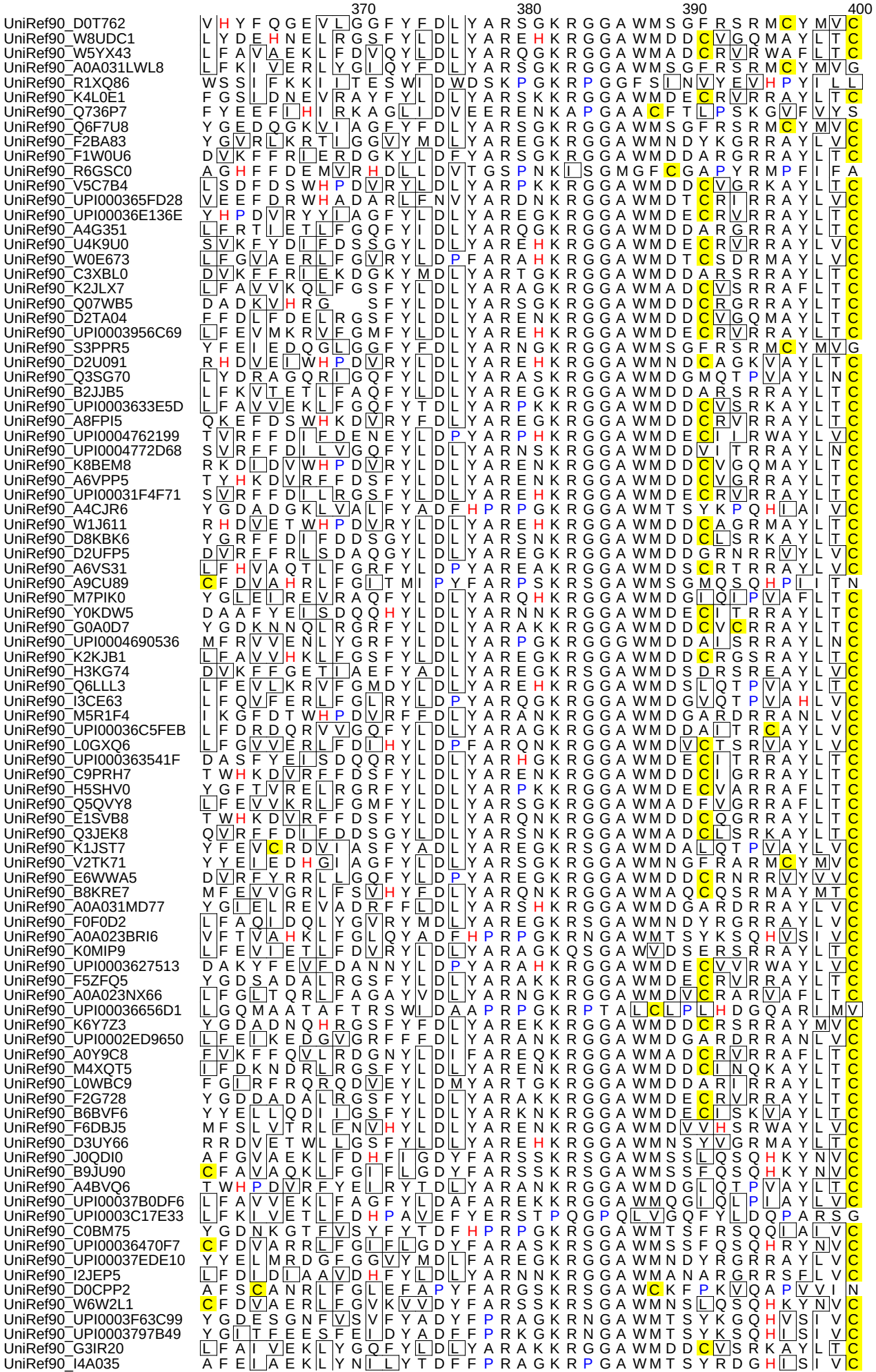

170
180
190
200
UniRef90_D0T762
UniRef90_W8UDC1
UniRef90_W5YX43
UniRef90_A0A031LWL8
UniRef90_R1XQ86
UniRef90_K4L0E1
UniRef90_Q736P7
UniRef90_Q6F7U8
UniRef90_F2BA83
UniRef90_F1W0U6
UniRef90_R6GSC0
UniRef90_V5C7B4
UniRef90_UPI000365FD28
UniRef90_UPI00036E136E
UniRef90_A4G351
UniRef90_U4K9U0
UniRef90_W0E673
UniRef90_C3XBL0
UniRef90_K2JLX7
UniRef90_Q07WB5
UniRef90_D2TA04
UniRef90_UPI0003956C69
UniRef90_S3PPR5
UniRef90_D2U091
UniRef90_Q3SG70
UniRef90_B2JJB5
UniRef90_UPI0003633E5D
UniRef90_A8FPI5
UniRef90_UPI0004762199
UniRef90_UPI0004772D68
UniRef90_K8BEM8
UniRef90_A6VPP5
UniRef90_UPI00031F4F71
UniRef90_A4CJR6
UniRef90_W1J611
UniRef90_D8KBK6
UniRef90_D2UFP5
UniRef90_A6VS31
UniRef90_A9CU89
UniRef90_M7PIK0
UniRef90_Y0KDW5
UniRef90_G0A0D7
UniRef90_UPI0004690536
UniRef90_K2KJB1
UniRef90_H3KG74
UniRef90_Q6LLL3
UniRef90_I3CE63
UniRef90_M5R1F4
UniRef90_UPI00036C5FEB
UniRef90_L0GXQ6
UniRef90_UPI000363541F
UniRef90_C9PRH7
UniRef90_H5SHV0
UniRef90_Q5QVY8
UniRef90_E1SVB8
UniRef90_Q3JEK8
UniRef90_K1JST7
UniRef90_V2TK71
UniRef90_E6WWA5
UniRef90_B8KRE7
UniRef90_A0A031MD77
UniRef90_F0F0D2
UniRef90_A0A023BRI6
UniRef90_K0MIP9
UniRef90_UPI0003627513
UniRef90_F5ZFQ5
UniRef90_A0A023NX66
UniRef90_UPI00036656D1
UniRef90_K6Y7Z3
UniRef90_UPI0002ED9650
UniRef90_A0Y9C8
UniRef90_M4XQT5
UniRef90_L0WBC9
UniRef90_F2G728
UniRef90_B6BVF6
UniRef90_F6DBJ5
UniRef90_D3UY66
UniRef90_J0QDI0
UniRef90_B9JU90
UniRef90_A4BVQ6
UniRef90_UPI00037B0DF6
UniRef90_UPI0003C17E33
UniRef90_C0BM75
UniRef90_UPI00036470F7
UniRef90_UPI00037EDE10
UniRef90_I2JEP5
UniRef90_D0CPP2
UniRef90_W6W2L1
UniRef90_UPI0003F63C99
UniRef90_UPI0003797B49
UniRef90_G3IR20
UniRef90_I4A035

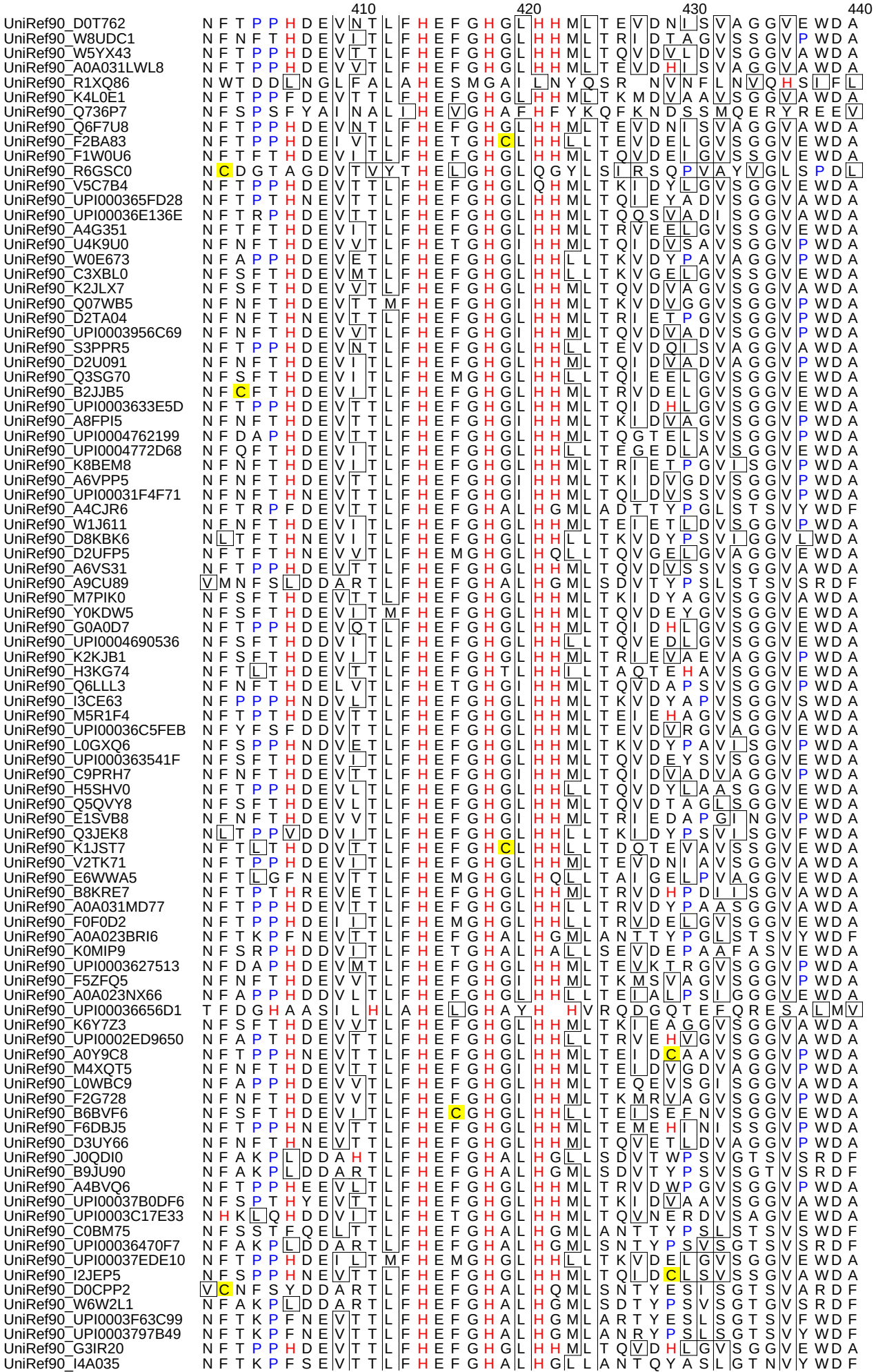

210
220
230
240
UniRef90_D0T762
UniRef90_W8UDC1
UniRef90_W5YX43
UniRef90_A0A031LWL8
UniRef90_R1XQ86
UniRef90_K4L0E1
UniRef90_Q736P7
UniRef90_Q6F7U8
UniRef90_F2BA83
UniRef90_F1W0U6
UniRef90_R6GSC0
UniRef90_V5C7B4
UniRef90_UPI000365FD28
UniRef90_UPI00036E136E
UniRef90_A4G351
UniRef90_U4K9U0
UniRef90_W0E673
UniRef90_C3XBL0
UniRef90_K2JLX7
UniRef90_Q07WB5
UniRef90_D2TA04
UniRef90_UPI0003956C69
UniRef90_S3PPR5
UniRef90_D2U091
UniRef90_Q3SG70
UniRef90_B2JJB5
UniRef90_UPI0003633E5D
UniRef90_A8FPI5
UniRef90_UPI0004762199
UniRef90_UPI0004772D68
UniRef90_K8BEM8
UniRef90_A6VPP5
UniRef90_UPI00031F4F71
UniRef90_A4CJR6
UniRef90_W1J611
UniRef90_D8KBK6
UniRef90_D2UFP5
UniRef90_A6VS31
UniRef90_A9CU89
UniRef90_M7PIK0
UniRef90_Y0KDW5
UniRef90_G0A0D7
UniRef90_UPI0004690536
UniRef90_K2KJB1
UniRef90_H3KG74
UniRef90_Q6LLL3
UniRef90_I3CE63
UniRef90_M5R1F4
UniRef90_UPI00036C5FEB
UniRef90_L0GXQ6
UniRef90_UPI000363541F
UniRef90_C9PRH7
UniRef90_H5SHV0
UniRef90_Q5QVY8
UniRef90_E1SVB8
UniRef90_Q3JEK8
UniRef90_K1JST7
UniRef90_V2TK71
UniRef90_E6WWA5
UniRef90_B8KRE7
UniRef90_A0A031MD77
UniRef90_F0F0D2
UniRef90_A0A023BRI6
UniRef90_K0MIP9
UniRef90_UPI0003627513
UniRef90_F5ZFQ5
UniRef90_A0A023NX66
UniRef90_UPI00036656D1
UniRef90_K6Y7Z3
UniRef90_UPI0002ED9650
UniRef90_A0Y9C8
UniRef90_M4XQT5
UniRef90_L0WBC9
UniRef90_F2G728
UniRef90_B6BVF6
UniRef90_F6DBJ5
UniRef90_D3UY66
UniRef90_J0QDI0
UniRef90_B9JU90
UniRef90_A4BVQ6
UniRef90_UPI00037B0DF6
UniRef90_UPI0003C17E33
UniRef90_C0BM75
UniRef90_UPI00036470F7
UniRef90_UPI00037EDE10
UniRef90_I2JEP5
UniRef90_D0CPP2
UniRef90_W6W2L1
UniRef90_UPI0003F63C99
UniRef90_UPI0003797B49
UniRef90_G3IR20
UniRef90_I4A035

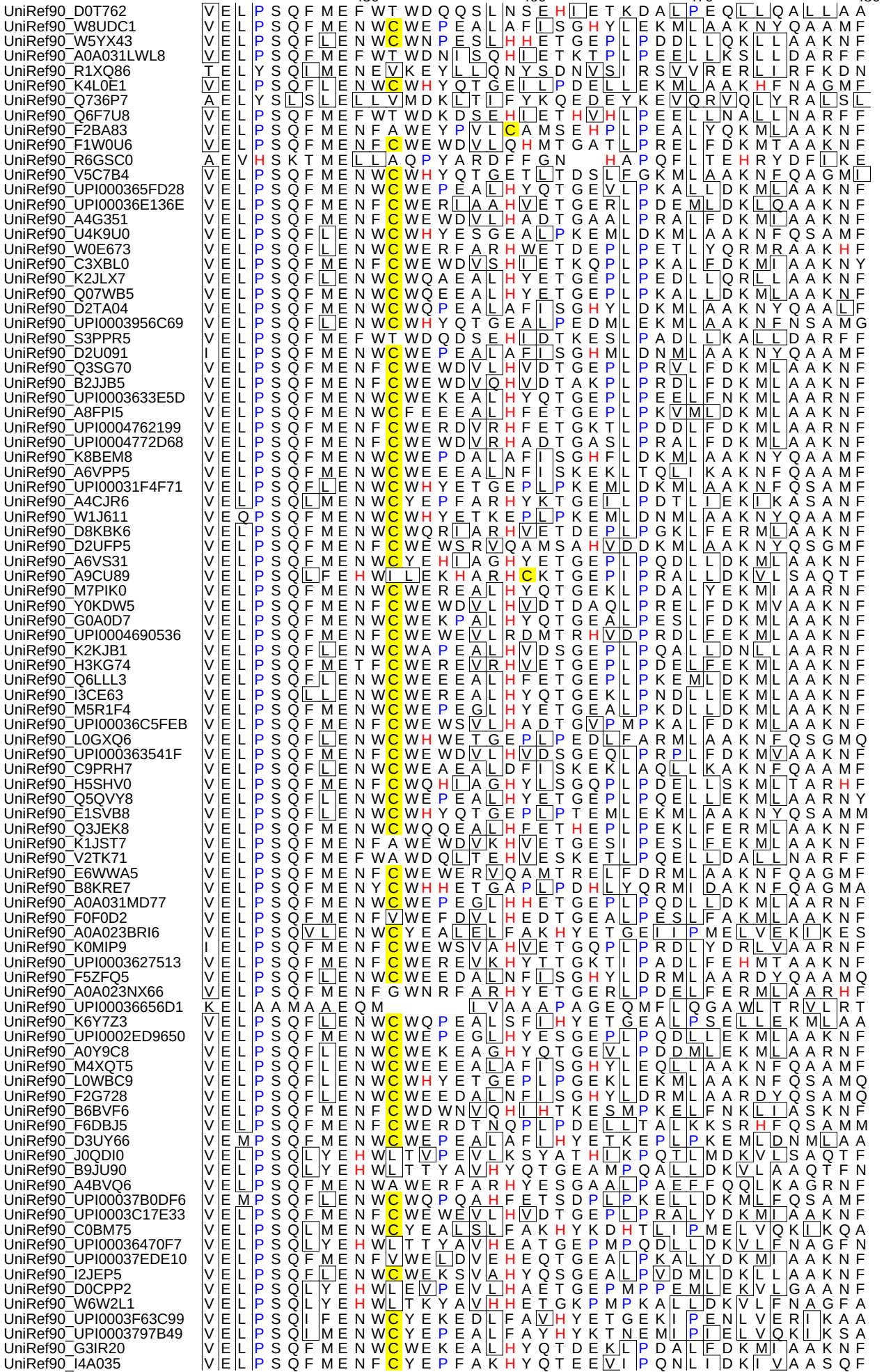

250
260
270
280
UniRef90_D0T762
UniRef90_W8UDC1
UniRef90_W5YX43
UniRef90_A0A031LWL8
UniRef90_R1XQ86
UniRef90_K4L0E1
UniRef90_Q736P7
UniRef90_Q6F7U8
UniRef90_F2BA83
UniRef90_F1W0U6
UniRef90_R6GSC0
UniRef90_V5C7B4
UniRef90_UPI000365FD28
UniRef90_UPI00036E136E
UniRef90_A4G351
UniRef90_U4K9U0
UniRef90_W0E673
UniRef90_C3XBL0
UniRef90_K2JLX7
UniRef90_Q07WB5
UniRef90_D2TA04
UniRef90_UPI0003956C69
UniRef90_S3PPR5
UniRef90_D2U091
UniRef90_Q3SG70
UniRef90_B2JJB5
UniRef90_UPI0003633E5D
UniRef90_A8FPI5
UniRef90_UPI0004762199
UniRef90_UPI0004772D68
UniRef90_K8BEM8
UniRef90_A6VPP5
UniRef90_UPI00031F4F71
UniRef90_A4CJR6
UniRef90_W1J611
UniRef90_D8KBK6
UniRef90_D2UFP5
UniRef90_A6VS31
UniRef90_A9CU89
UniRef90_M7PIK0
UniRef90_Y0KDW5
UniRef90_G0A0D7
UniRef90_UPI0004690536
UniRef90_K2KJB1
UniRef90_H3KG74
UniRef90_Q6LLL3
UniRef90_I3CE63
UniRef90_M5R1F4
UniRef90_UPI00036C5FEB
UniRef90_L0GXQ6
UniRef90_UPI000363541F
UniRef90_C9PRH7
UniRef90_H5SHV0
UniRef90_Q5QVY8
UniRef90_E1SVB8
UniRef90_Q3JEK8
UniRef90_K1JST7
UniRef90_V2TK71
UniRef90_E6WWA5
UniRef90_B8KRE7
UniRef90_A0A031MD77
UniRef90_F0F0D2
UniRef90_A0A023BRI6
UniRef90_K0MIP9
UniRef90_UPI0003627513
UniRef90_F5ZFQ5
UniRef90_A0A023NX66
UniRef90_UPI00036656D1
UniRef90_K6Y7Z3
UniRef90_UPI0002ED9650
UniRef90_A0Y9C8
UniRef90_M4XQT5
UniRef90_L0WBC9
UniRef90_F2G728
UniRef90_B6BVF6
UniRef90_F6DBJ5
UniRef90_D3UY66
UniRef90_J0QDI0
UniRef90_B9JU90
UniRef90_A4BVQ6
UniRef90_UPI00037B0DF6
UniRef90_UPI0003C17E33
UniRef90_C0BM75
UniRef90_UPI00036470F7
UniRef90_UPI00037EDE10
UniRef90_I2JEP5
UniRef90_D0CPP2
UniRef90_W6W2L1
UniRef90_UPI0003F63C99
UniRef90_UPI0003797B49
UniRef90_G3IR20
UniRef90_I4A035

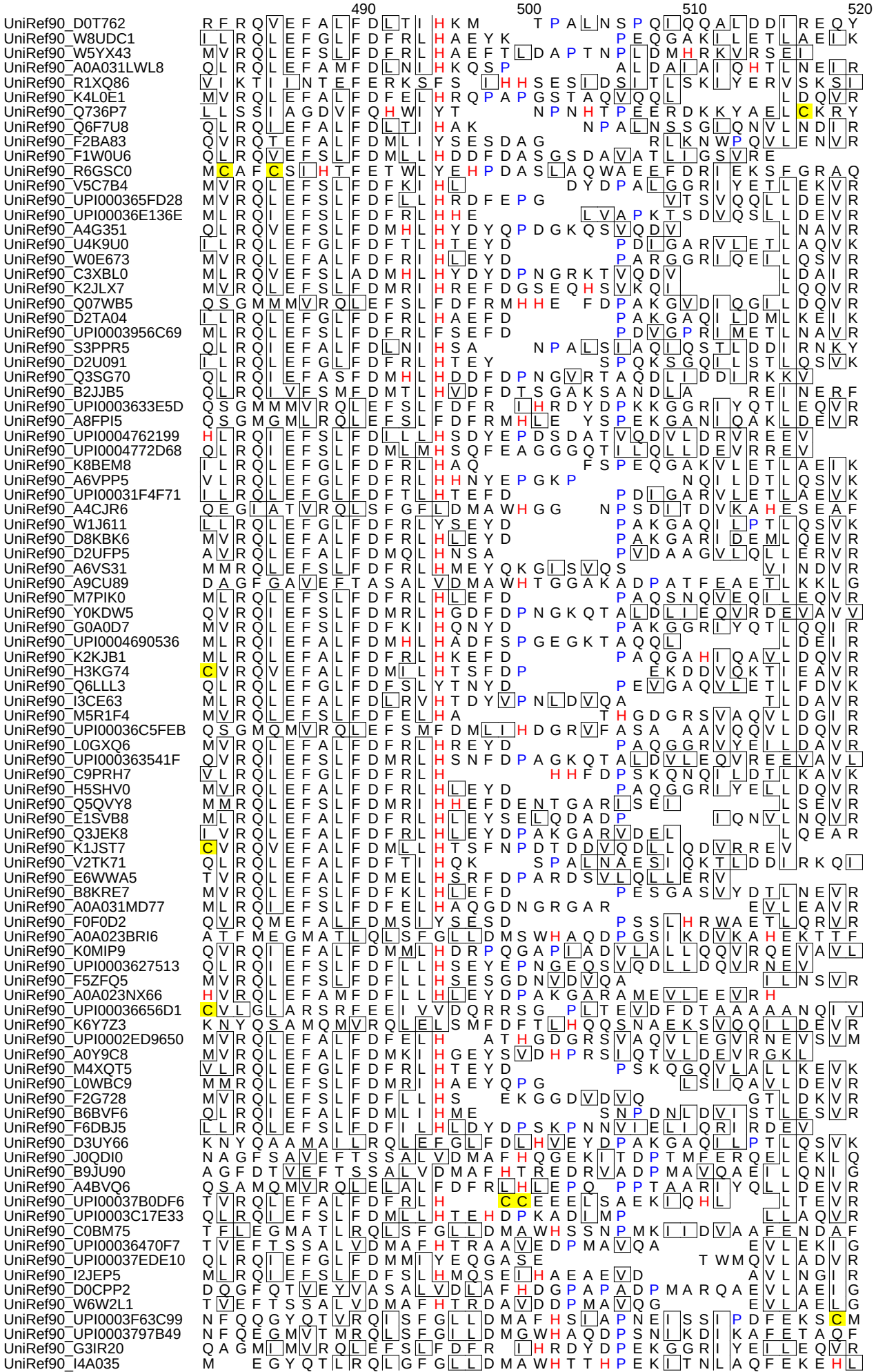

290
300
310
320
UniRef90_D0T762
UniRef90_W8UDC1
UniRef90_W5YX43
UniRef90_A0A031LWL8
UniRef90_R1XQ86
UniRef90_K4L0E1
UniRef90_Q736P7
UniRef90_Q6F7U8
UniRef90_F2BA83
UniRef90_F1W0U6
UniRef90_R6GSC0
UniRef90_V5C7B4
UniRef90_UPI000365FD28
UniRef90_UPI00036E136E
UniRef90_A4G351
UniRef90_U4K9U0
UniRef90_W0E673
UniRef90_C3XBL0
UniRef90_K2JLX7
UniRef90_Q07WB5
UniRef90_D2TA04
UniRef90_UPI0003956C69
UniRef90_S3PPR5
UniRef90_D2U091
UniRef90_Q3SG70
UniRef90_B2JJB5
UniRef90_UPI0003633E5D
UniRef90_A8FPI5
UniRef90_UPI0004762199
UniRef90_UPI0004772D68
UniRef90_K8BEM8
UniRef90_A6VPP5
UniRef90_UPI00031F4F71
UniRef90_A4CJR6
UniRef90_W1J611
UniRef90_D8KBK6
UniRef90_D2UFP5
UniRef90_A6VS31
UniRef90_A9CU89
UniRef90_M7PIK0
UniRef90_Y0KDW5
UniRef90_G0A0D7
UniRef90_UPI0004690536
UniRef90_K2KJB1
UniRef90_H3KG74
UniRef90_Q6LLL3
UniRef90_I3CE63
UniRef90_M5R1F4
UniRef90_UPI00036C5FEB
UniRef90_L0GXQ6
UniRef90_UPI000363541F
UniRef90_C9PRH7
UniRef90_H5SHV0
UniRef90_Q5QVY8
UniRef90_E1SVB8
UniRef90_Q3JEK8
UniRef90_K1JST7
UniRef90_V2TK71
UniRef90_E6WWA5
UniRef90_B8KRE7
UniRef90_A0A031MD77
UniRef90_F0F0D2
UniRef90_A0A023BRI6
UniRef90_K0MIP9
UniRef90_UPI0003627513
UniRef90_F5ZFQ5
UniRef90_A0A023NX66
UniRef90_UPI00036656D1
UniRef90_K6Y7Z3
UniRef90_UPI0002ED9650
UniRef90_A0Y9C8
UniRef90_M4XQT5
UniRef90_L0WBC9
UniRef90_F2G728
UniRef90_B6BVF6
UniRef90_F6DBJ5
UniRef90_D3UY66
UniRef90_J0QDI0
UniRef90_B9JU90
UniRef90_A4BVQ6
UniRef90_UPI00037B0DF6
UniRef90_UPI0003C17E33
UniRef90_C0BM75
UniRef90_UPI00036470F7
UniRef90_UPI00037EDE10
UniRef90_I2JEP5
UniRef90_D0CPP2
UniRef90_W6W2L1
UniRef90_UPI0003F63C99
UniRef90_UPI0003797B49
UniRef90_G3IR20
UniRef90_I4A035

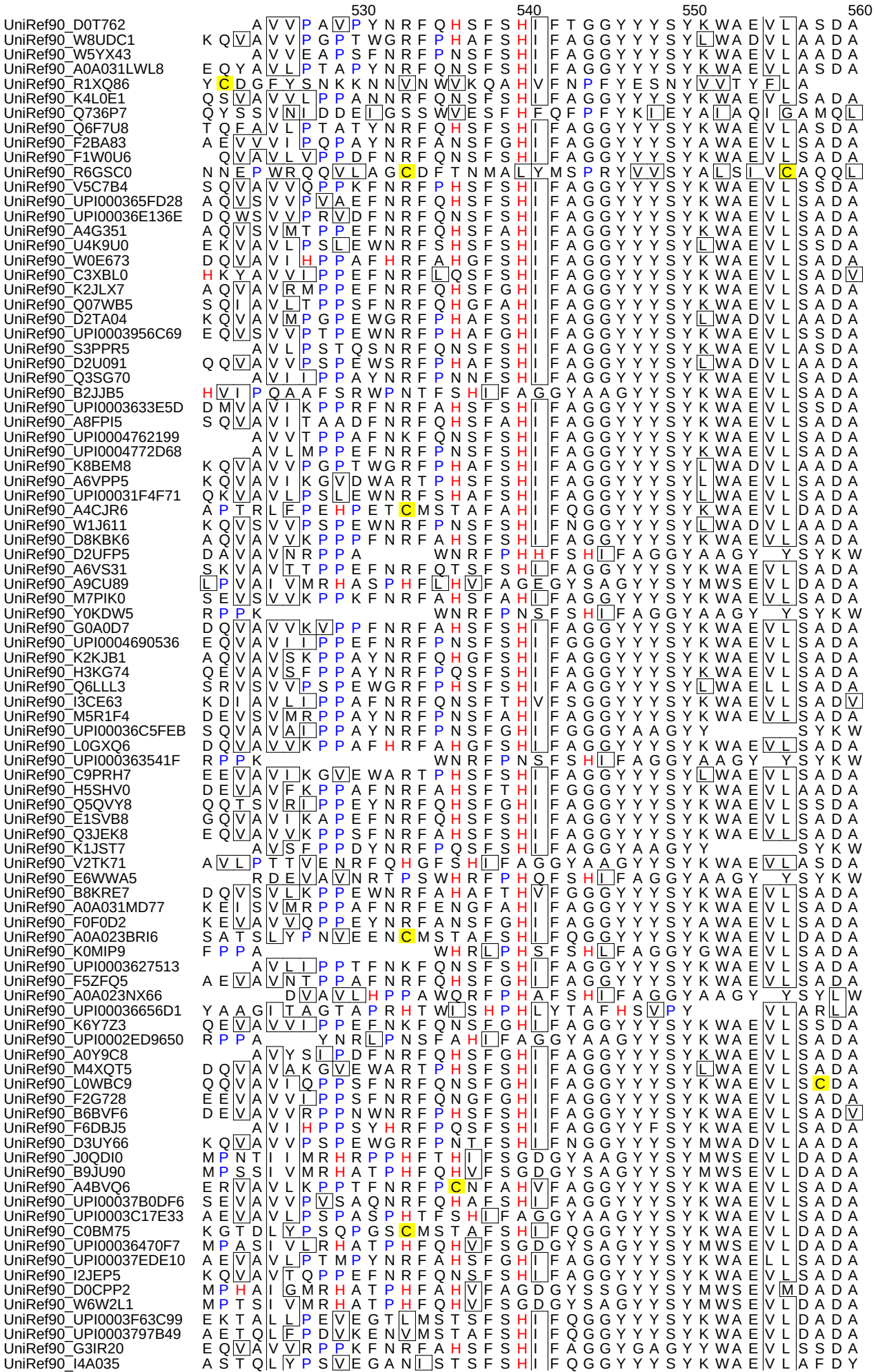

330
340
350
360
UniRef90_D0T762
UniRef90_W8UDC1
UniRef90_W5YX43
UniRef90_A0A031LWL8
UniRef90_R1XQ86
UniRef90_K4L0E1
UniRef90_Q736P7
UniRef90_Q6F7U8
UniRef90_F2BA83
UniRef90_F1W0U6
UniRef90_R6GSC0
UniRef90_V5C7B4
UniRef90_UPI000365FD28
UniRef90_UPI00036E136E
UniRef90_A4G351
UniRef90_U4K9U0
UniRef90_W0E673
UniRef90_C3XBL0
UniRef90_K2JLX7
UniRef90_Q07WB5
UniRef90_D2TA04
UniRef90_UPI0003956C69
UniRef90_S3PPR5
UniRef90_D2U091
UniRef90_Q3SG70
UniRef90_B2JJB5
UniRef90_UPI0003633E5D
UniRef90_A8FPI5
UniRef90_UPI0004762199
UniRef90_UPI0004772D68
UniRef90_K8BEM8
UniRef90_A6VPP5
UniRef90_UPI00031F4F71
UniRef90_A4CJR6
UniRef90_W1J611
UniRef90_D8KBK6
UniRef90_D2UFP5
UniRef90_A6VS31
UniRef90_A9CU89
UniRef90_M7PIK0
UniRef90_Y0KDW5
UniRef90_G0A0D7
UniRef90_UPI0004690536
UniRef90_K2KJB1
UniRef90_H3KG74
UniRef90_Q6LLL3
UniRef90_I3CE63
UniRef90_M5R1F4
UniRef90_UPI00036C5FEB
UniRef90_L0GXQ6
UniRef90_UPI000363541F
UniRef90_C9PRH7
UniRef90_H5SHV0
UniRef90_Q5QVY8
UniRef90_E1SVB8
UniRef90_Q3JEK8
UniRef90_K1JST7
UniRef90_V2TK71
UniRef90_E6WWA5
UniRef90_B8KRE7
UniRef90_A0A031MD77
UniRef90_F0F0D2
UniRef90_A0A023BRI6
UniRef90_K0MIP9
UniRef90_UPI0003627513
UniRef90_F5ZFQ5
UniRef90_A0A023NX66
UniRef90_UPI00036656D1
UniRef90_K6Y7Z3
UniRef90_UPI0002ED9650
UniRef90_A0Y9C8
UniRef90_M4XQT5
UniRef90_L0WBC9
UniRef90_F2G728
UniRef90_B6BVF6
UniRef90_F6DBJ5
UniRef90_D3UY66
UniRef90_J0QDI0
UniRef90_B9JU90
UniRef90_A4BVQ6
UniRef90_UPI00037B0DF6
UniRef90_UPI0003C17E33
UniRef90_C0BM75
UniRef90_UPI00036470F7
UniRef90_UPI00037EDE10
UniRef90_I2JEP5
UniRef90_D0CPP2
UniRef90_W6W2L1
UniRef90_UPI0003F63C99
UniRef90_UPI0003797B49
UniRef90_G3IR20
UniRef90_I4A035

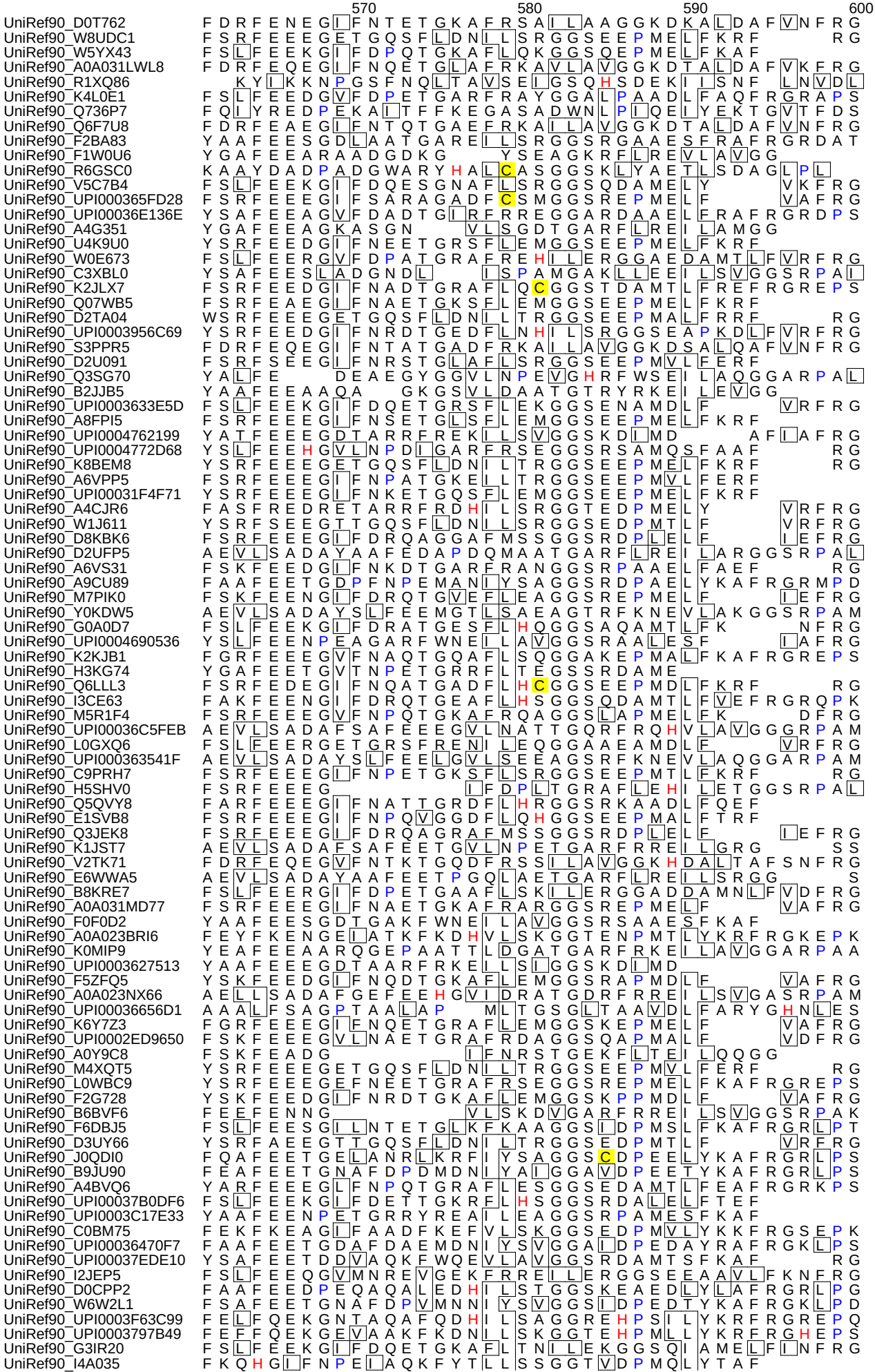

370
380
390
400
UniRef90_D0T762
UniRef90_W8UDC1
UniRef90_W5YX43
UniRef90_A0A031LWL8
UniRef90_R1XQ86
UniRef90_K4L0E1
UniRef90_Q736P7
UniRef90_Q6F7U8
UniRef90_F2BA83
UniRef90_F1W0U6
UniRef90_R6GSC0
UniRef90_V5C7B4
UniRef90_UPI000365FD28
UniRef90_UPI00036E136E
UniRef90_A4G351
UniRef90_U4K9U0
UniRef90_W0E673
UniRef90_C3XBL0
UniRef90_K2JLX7
UniRef90_Q07WB5
UniRef90_D2TA04
UniRef90_UPI0003956C69
UniRef90_S3PPR5
UniRef90_D2U091
UniRef90_Q3SG70
UniRef90_B2JJB5
UniRef90_UPI0003633E5D
UniRef90_A8FPI5
UniRef90_UPI0004762199
UniRef90_UPI0004772D68
UniRef90_K8BEM8
UniRef90_A6VPP5
UniRef90_UPI00031F4F71
UniRef90_A4CJR6
UniRef90_W1J611
UniRef90_D8KBK6
UniRef90_D2UFP5
UniRef90_A6VS31
UniRef90_A9CU89
UniRef90_M7PIK0
UniRef90_Y0KDW5
UniRef90_G0A0D7
UniRef90_UPI0004690536
UniRef90_K2KJB1
UniRef90_H3KG74
UniRef90_Q6LLL3
UniRef90_I3CE63
UniRef90_M5R1F4
UniRef90_UPI00036C5FEB
UniRef90_L0GXQ6
UniRef90_UPI000363541F
UniRef90_C9PRH7
UniRef90_H5SHV0
UniRef90_Q5QVY8
UniRef90_E1SVB8
UniRef90_Q3JEK8
UniRef90_K1JST7
UniRef90_V2TK71
UniRef90_E6WWA5
UniRef90_B8KRE7
UniRef90_A0A031MD77
UniRef90_F0F0D2
UniRef90_A0A023BRI6
UniRef90_K0MIP9
UniRef90_UPI0003627513
UniRef90_F5ZFQ5
UniRef90_A0A023NX66
UniRef90_UPI00036656D1
UniRef90_K6Y7Z3
UniRef90_UPI0002ED9650
UniRef90_A0Y9C8
UniRef90_M4XQT5
UniRef90_L0WBC9
UniRef90_F2G728
UniRef90_B6BVF6
UniRef90_F6DBJ5
UniRef90_D3UY66
UniRef90_J0QDI0
UniRef90_B9JU90
UniRef90_A4BVQ6
UniRef90_UPI00037B0DF6
UniRef90_UPI0003C17E33
UniRef90_C0BM75
UniRef90_UPI00036470F7
UniRef90_UPI00037EDE10
UniRef90_I2JEP5
UniRef90_D0CPP2
UniRef90_W6W2L1
UniRef90_UPI0003F63C99
UniRef90_UPI0003797B49
UniRef90_G3IR20
UniRef90_I4A035


410
420
430
440
UniRef90_D0T762
UniRef90_W8UDC1
UniRef90_W5YX43
UniRef90_A0A031LWL8
UniRef90_R1XQ86
UniRef90_K4L0E1
UniRef90_Q736P7
UniRef90_Q6F7U8
UniRef90_F2BA83
UniRef90_F1W0U6
UniRef90_R6GSC0
UniRef90_V5C7B4
UniRef90_UPI000365FD28
UniRef90_UPI00036E136E
UniRef90_A4G351
UniRef90_U4K9U0
UniRef90_W0E673
UniRef90_C3XBL0
UniRef90_K2JLX7
UniRef90_Q07WB5
UniRef90_D2TA04
UniRef90_UPI0003956C69
UniRef90_S3PPR5
UniRef90_D2U091
UniRef90_Q3SG70
UniRef90_B2JJB5
UniRef90_UPI0003633E5D
UniRef90_A8FPI5
UniRef90_UPI0004762199
UniRef90_UPI0004772D68
UniRef90_K8BEM8
UniRef90_A6VPP5
UniRef90_UPI00031F4F71
UniRef90_A4CJR6
UniRef90_W1J611
UniRef90_D8KBK6
UniRef90_D2UFP5
UniRef90_A6VS31
UniRef90_A9CU89
UniRef90_M7PIK0
UniRef90_Y0KDW5
UniRef90_G0A0D7
UniRef90_UPI0004690536
UniRef90_K2KJB1
UniRef90_H3KG74
UniRef90_Q6LLL3
UniRef90_I3CE63
UniRef90_M5R1F4
UniRef90_UPI00036C5FEB
UniRef90_L0GXQ6
UniRef90_UPI000363541F
UniRef90_C9PRH7
UniRef90_H5SHV0
UniRef90_Q5QVY8
UniRef90_E1SVB8
UniRef90_Q3JEK8
UniRef90_K1JST7
UniRef90_V2TK71
UniRef90_E6WWA5
UniRef90_B8KRE7
UniRef90_A0A031MD77
UniRef90_F0F0D2
UniRef90_A0A023BRI6
UniRef90_K0MIP9
UniRef90_UPI0003627513
UniRef90_F5ZFQ5
UniRef90_A0A023NX66
UniRef90_UPI00036656D1
UniRef90_K6Y7Z3
UniRef90_UPI0002ED9650
UniRef90_A0Y9C8
UniRef90_M4XQT5
UniRef90_L0WBC9
UniRef90_F2G728
UniRef90_B6BVF6
UniRef90_F6DBJ5
UniRef90_D3UY66
UniRef90_J0QDI0
UniRef90_B9JU90
UniRef90_A4BVQ6
UniRef90_UPI00037B0DF6
UniRef90_UPI0003C17E33
UniRef90_C0BM75
UniRef90_UPI00036470F7
UniRef90_UPI00037EDE10
UniRef90_I2JEP5
UniRef90_D0CPP2
UniRef90_W6W2L1
UniRef90_UPI0003F63C99
UniRef90_UPI0003797B49
UniRef90_G3IR20
UniRef90_I4A035

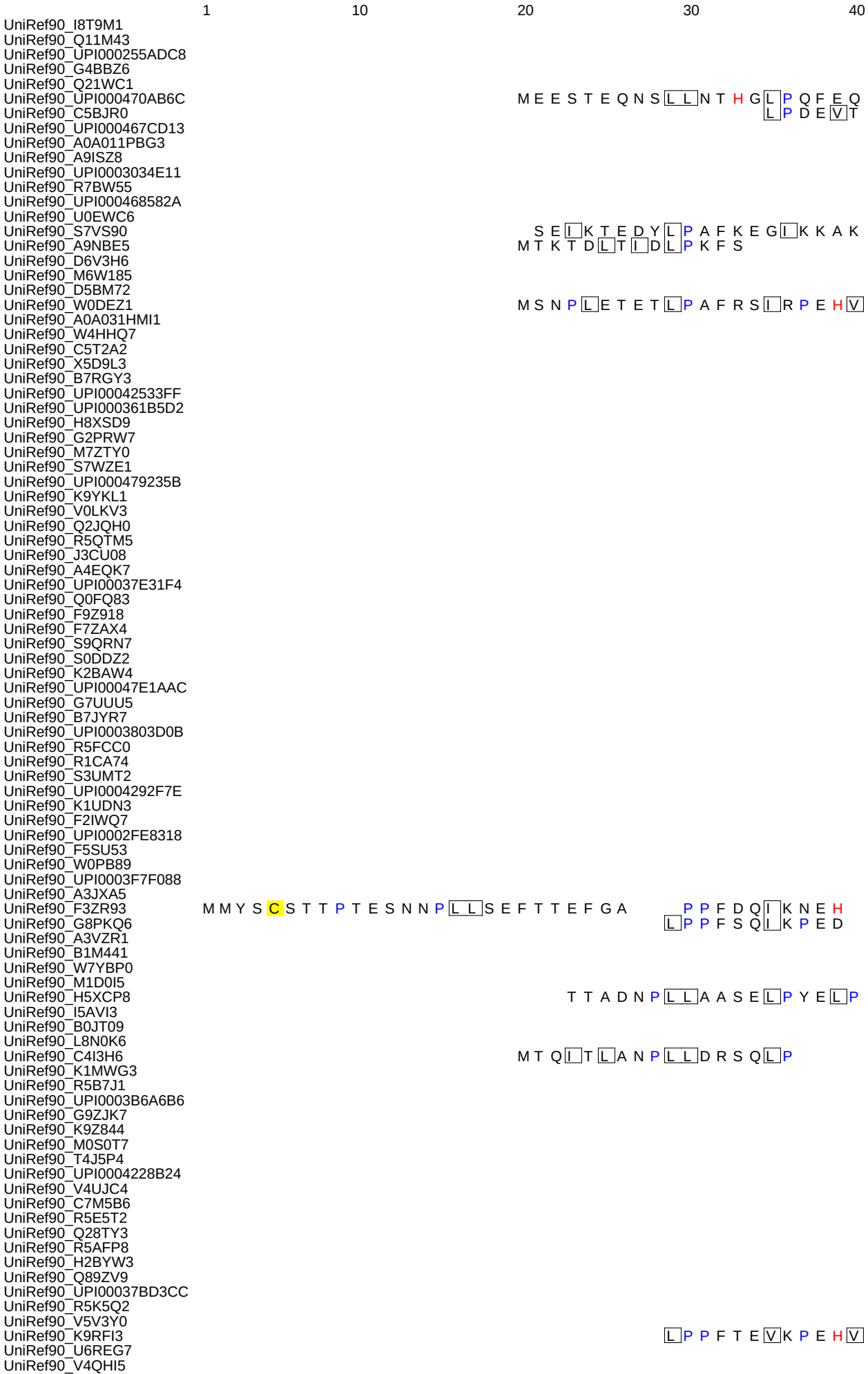

450
460
470
480
UniRef90_D0T762
UniRef90_W8UDC1
UniRef90_W5YX43
UniRef90_A0A031LWL8
UniRef90_R1XQ86
UniRef90_K4L0E1
UniRef90_Q736P7
UniRef90_Q6F7U8
UniRef90_F2BA83
UniRef90_F1W0U6
UniRef90_R6GSC0
UniRef90_V5C7B4
UniRef90_UPI000365FD28
UniRef90_UPI00036E136E
UniRef90_A4G351
UniRef90_U4K9U0
UniRef90_W0E673
UniRef90_C3XBL0
UniRef90_K2JLX7
UniRef90_Q07WB5
UniRef90_D2TA04
UniRef90_UPI0003956C69
UniRef90_S3PPR5
UniRef90_D2U091
UniRef90_Q3SG70
UniRef90_B2JJB5
UniRef90_UPI0003633E5D
UniRef90_A8FPI5
UniRef90_UPI0004762199
UniRef90_UPI0004772D68
UniRef90_K8BEM8
UniRef90_A6VPP5
UniRef90_UPI00031F4F71
UniRef90_A4CJR6
UniRef90_W1J611
UniRef90_D8KBK6
UniRef90_D2UFP5
UniRef90_A6VS31
UniRef90_A9CU89
UniRef90_M7PIK0
UniRef90_Y0KDW5
UniRef90_G0A0D7
UniRef90_UPI0004690536
UniRef90_K2KJB1
UniRef90_H3KG74
UniRef90_Q6LLL3
UniRef90_I3CE63
UniRef90_M5R1F4
UniRef90_UPI00036C5FEB
UniRef90_L0GXQ6
UniRef90_UPI000363541F
UniRef90_C9PRH7
UniRef90_H5SHV0
UniRef90_Q5QVY8
UniRef90_E1SVB8
UniRef90_Q3JEK8
UniRef90_K1JST7
UniRef90_V2TK71
UniRef90_E6WWA5
UniRef90_B8KRE7
UniRef90_A0A031MD77
UniRef90_F0F0D2
UniRef90_A0A023BRI6
UniRef90_K0MIP9
UniRef90_UPI0003627513
UniRef90_F5ZFQ5
UniRef90_A0A023NX66
UniRef90_UPI00036656D1
UniRef90_K6Y7Z3
UniRef90_UPI0002ED9650
UniRef90_A0Y9C8
UniRef90_M4XQT5
UniRef90_L0WBC9
UniRef90_F2G728
UniRef90_B6BVF6
UniRef90_F6DBJ5
UniRef90_D3UY66
UniRef90_J0QDI0
UniRef90_B9JU90
UniRef90_A4BVQ6
UniRef90_UPI00037B0DF6
UniRef90_UPI0003C17E33
UniRef90_C0BM75
UniRef90_UPI00036470F7
UniRef90_UPI00037EDE10
UniRef90_I2JEP5
UniRef90_D0CPP2
UniRef90_W6W2L1
UniRef90_UPI0003F63C99
UniRef90_UPI0003797B49
UniRef90_G3IR20
UniRef90_I4A035

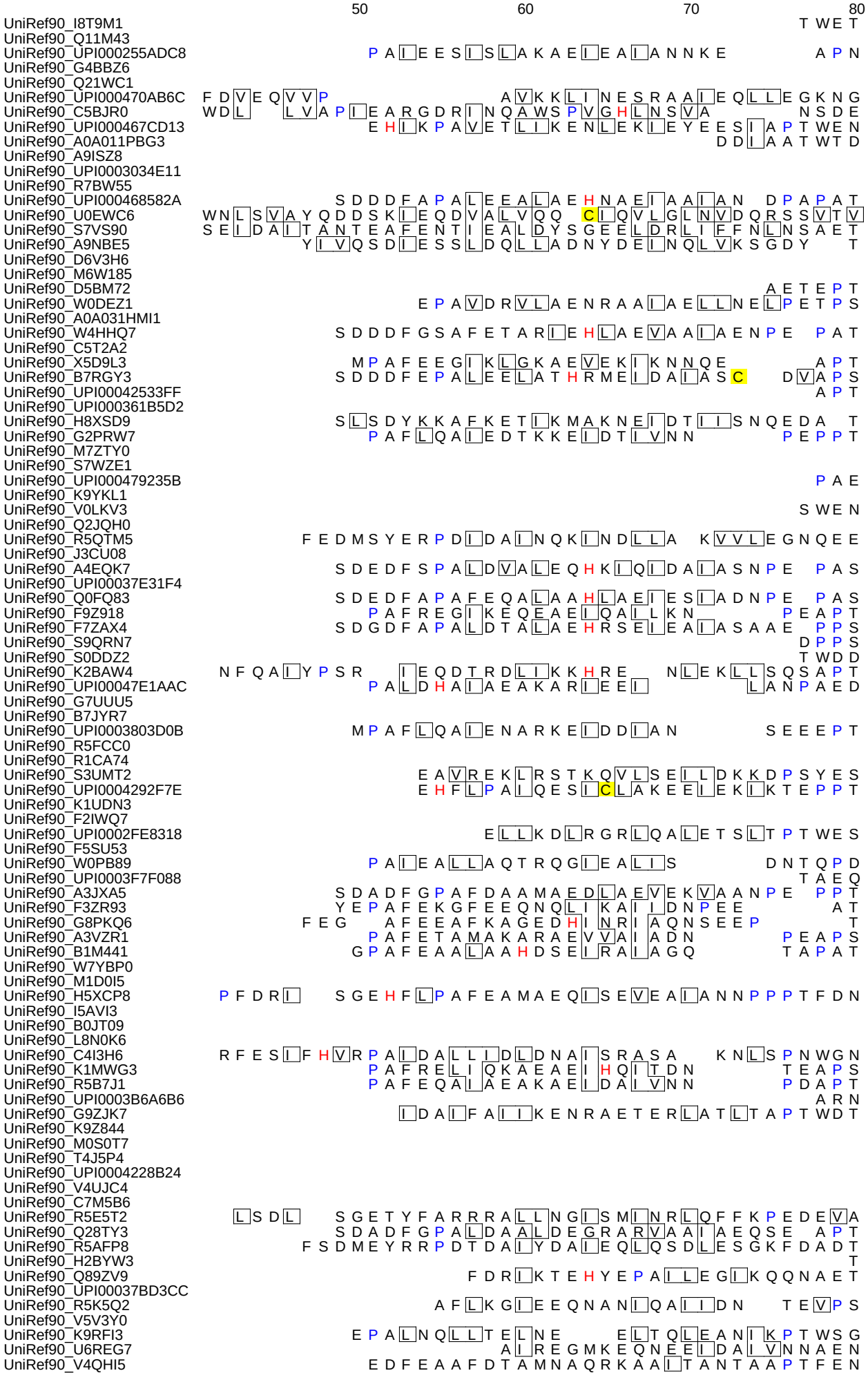

490
500
510
520
UniRef90_D0T762
UniRef90_W8UDC1
UniRef90_W5YX43
UniRef90_A0A031LWL8
UniRef90_R1XQ86
UniRef90_K4L0E1
UniRef90_Q736P7
UniRef90_Q6F7U8
UniRef90_F2BA83
UniRef90_F1W0U6
UniRef90_R6GSC0
UniRef90_V5C7B4
UniRef90_UPI000365FD28
UniRef90_UPI00036E136E
UniRef90_A4G351
UniRef90_U4K9U0
UniRef90_W0E673
UniRef90_C3XBL0
UniRef90_K2JLX7
UniRef90_Q07WB5
UniRef90_D2TA04
UniRef90_UPI0003956C69
UniRef90_S3PPR5
UniRef90_D2U091
UniRef90_Q3SG70
UniRef90_B2JJB5
UniRef90_UPI0003633E5D
UniRef90_A8FPI5
UniRef90_UPI0004762199
UniRef90_UPI0004772D68
UniRef90_K8BEM8
UniRef90_A6VPP5
UniRef90_UPI00031F4F71
UniRef90_A4CJR6
UniRef90_W1J611
UniRef90_D8KBK6
UniRef90_D2UFP5
UniRef90_A6VS31
UniRef90_A9CU89
UniRef90_M7PIK0
UniRef90_Y0KDW5
UniRef90_G0A0D7
UniRef90_UPI0004690536
UniRef90_K2KJB1
UniRef90_H3KG74
UniRef90_Q6LLL3
UniRef90_I3CE63
UniRef90_M5R1F4
UniRef90_UPI00036C5FEB
UniRef90_L0GXQ6
UniRef90_UPI000363541F
UniRef90_C9PRH7
UniRef90_H5SHV0
UniRef90_Q5QVY8
UniRef90_E1SVB8
UniRef90_Q3JEK8
UniRef90_K1JST7
UniRef90_V2TK71
UniRef90_E6WWA5
UniRef90_B8KRE7
UniRef90_A0A031MD77
UniRef90_F0F0D2
UniRef90_A0A023BRI6
UniRef90_K0MIP9
UniRef90_UPI0003627513
UniRef90_F5ZFQ5
UniRef90_A0A023NX66
UniRef90_UPI00036656D1
UniRef90_K6Y7Z3
UniRef90_UPI0002ED9650
UniRef90_A0Y9C8
UniRef90_M4XQT5
UniRef90_L0WBC9
UniRef90_F2G728
UniRef90_B6BVF6
UniRef90_F6DBJ5
UniRef90_D3UY66
UniRef90_J0QDI0
UniRef90_B9JU90
UniRef90_A4BVQ6
UniRef90_UPI00037B0DF6
UniRef90_UPI0003C17E33
UniRef90_C0BM75
UniRef90_UPI00036470F7
UniRef90_UPI00037EDE10
UniRef90_I2JEP5
UniRef90_D0CPP2
UniRef90_W6W2L1
UniRef90_UPI0003F63C99
UniRef90_UPI0003797B49
UniRef90_G3IR20
UniRef90_I4A035

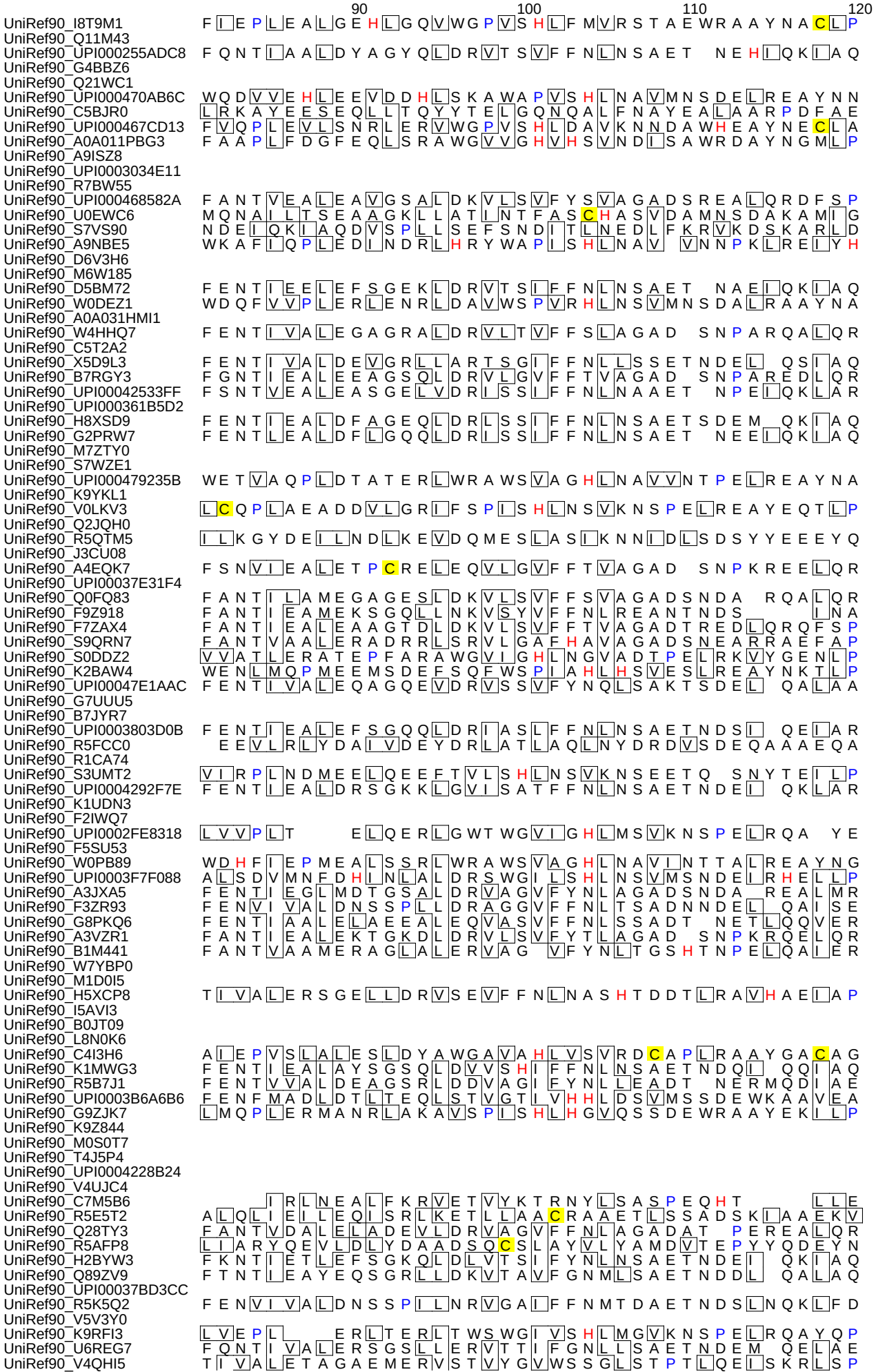

530
540
550
560
UniRef90_D0T762
UniRef90_W8UDC1
UniRef90_W5YX43
UniRef90_A0A031LWL8
UniRef90_R1XQ86
UniRef90_K4L0E1
UniRef90_Q736P7
UniRef90_Q6F7U8
UniRef90_F2BA83
UniRef90_F1W0U6
UniRef90_R6GSC0
UniRef90_V5C7B4
UniRef90_UPI000365FD28
UniRef90_UPI00036E136E
UniRef90_A4G351
UniRef90_U4K9U0
UniRef90_W0E673
UniRef90_C3XBL0
UniRef90_K2JLX7
UniRef90_Q07WB5
UniRef90_D2TA04
UniRef90_UPI0003956C69
UniRef90_S3PPR5
UniRef90_D2U091
UniRef90_Q3SG70
UniRef90_B2JJB5
UniRef90_UPI0003633E5D
UniRef90_A8FPI5
UniRef90_UPI0004762199
UniRef90_UPI0004772D68
UniRef90_K8BEM8
UniRef90_A6VPP5
UniRef90_UPI00031F4F71
UniRef90_A4CJR6
UniRef90_W1J611
UniRef90_D8KBK6
UniRef90_D2UFP5
UniRef90_A6VS31
UniRef90_A9CU89
UniRef90_M7PIK0
UniRef90_Y0KDW5
UniRef90_G0A0D7
UniRef90_UPI0004690536
UniRef90_K2KJB1
UniRef90_H3KG74
UniRef90_Q6LLL3
UniRef90_I3CE63
UniRef90_M5R1F4
UniRef90_UPI00036C5FEB
UniRef90_L0GXQ6
UniRef90_UPI000363541F
UniRef90_C9PRH7
UniRef90_H5SHV0
UniRef90_Q5QVY8
UniRef90_E1SVB8
UniRef90_Q3JEK8
UniRef90_K1JST7
UniRef90_V2TK71
UniRef90_E6WWA5
UniRef90_B8KRE7
UniRef90_A0A031MD77
UniRef90_F0F0D2
UniRef90_A0A023BRI6
UniRef90_K0MIP9
UniRef90_UPI0003627513
UniRef90_F5ZFQ5
UniRef90_A0A023NX66
UniRef90_UPI00036656D1
UniRef90_K6Y7Z3
UniRef90_UPI0002ED9650
UniRef90_A0Y9C8
UniRef90_M4XQT5
UniRef90_L0WBC9
UniRef90_F2G728
UniRef90_B6BVF6
UniRef90_F6DBJ5
UniRef90_D3UY66
UniRef90_J0QDI0
UniRef90_B9JU90
UniRef90_A4BVQ6
UniRef90_UPI00037B0DF6
UniRef90_UPI0003C17E33
UniRef90_C0BM75
UniRef90_UPI00036470F7
UniRef90_UPI00037EDE10
UniRef90_I2JEP5
UniRef90_D0CPP2
UniRef90_W6W2L1
UniRef90_UPI0003F63C99
UniRef90_UPI0003797B49
UniRef90_G3IR20
UniRef90_I4A035

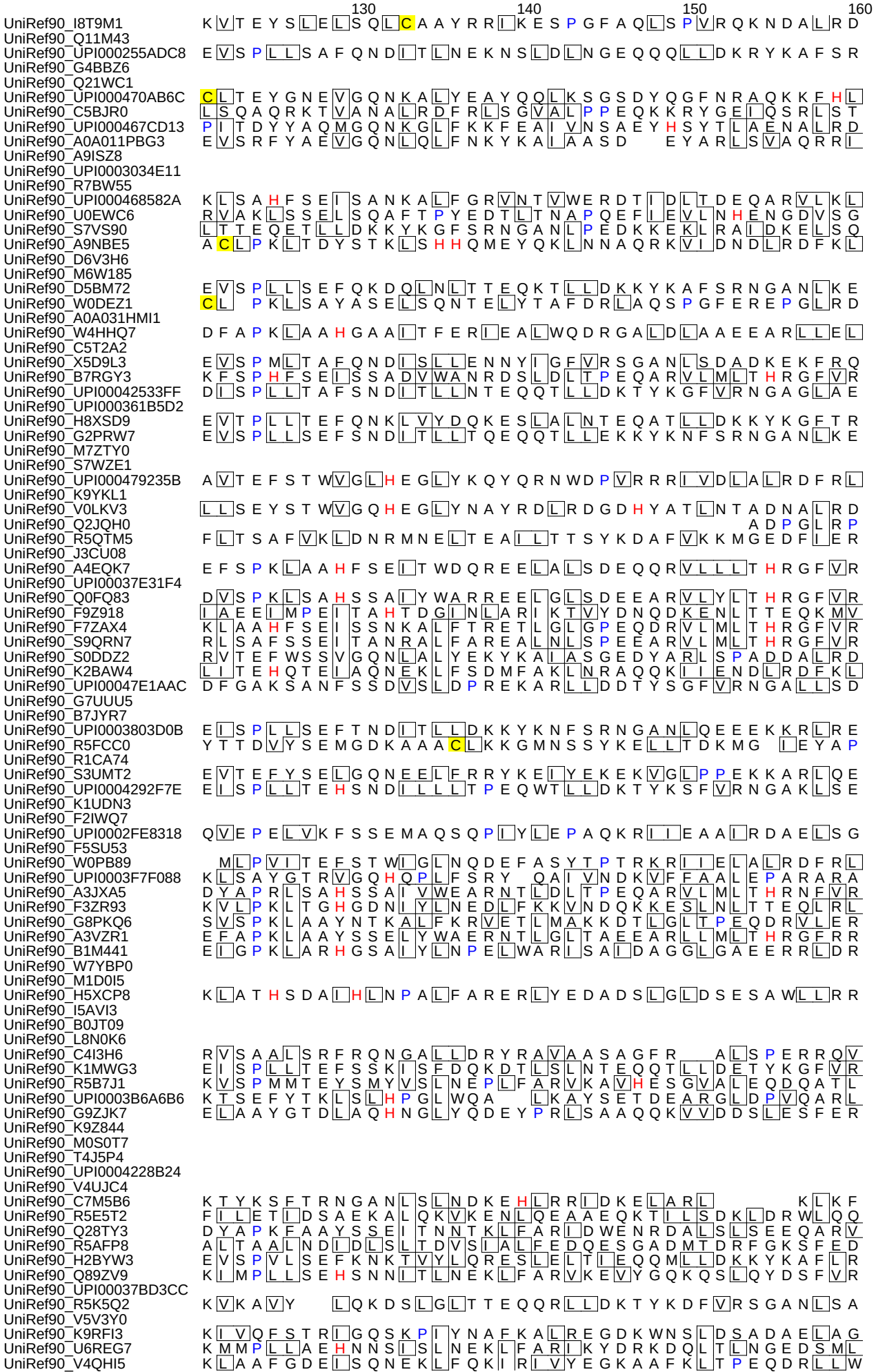

570
580
590
600
UniRef90_D0T762
UniRef90_W8UDC1
UniRef90_W5YX43
UniRef90_A0A031LWL8
UniRef90_R1XQ86
UniRef90_K4L0E1
UniRef90_Q736P7
UniRef90_Q6F7U8
UniRef90_F2BA83
UniRef90_F1W0U6
UniRef90_R6GSC0
UniRef90_V5C7B4
UniRef90_UPI000365FD28
UniRef90_UPI00036E136E
UniRef90_A4G351
UniRef90_U4K9U0
UniRef90_W0E673
UniRef90_C3XBL0
UniRef90_K2JLX7
UniRef90_Q07WB5
UniRef90_D2TA04
UniRef90_UPI0003956C69
UniRef90_S3PPR5
UniRef90_D2U091
UniRef90_Q3SG70
UniRef90_B2JJB5
UniRef90_UPI0003633E5D
UniRef90_A8FPI5
UniRef90_UPI0004762199
UniRef90_UPI0004772D68
UniRef90_K8BEM8
UniRef90_A6VPP5
UniRef90_UPI00031F4F71
UniRef90_A4CJR6
UniRef90_W1J611
UniRef90_D8KBK6
UniRef90_D2UFP5
UniRef90_A6VS31
UniRef90_A9CU89
UniRef90_M7PIK0
UniRef90_Y0KDW5
UniRef90_G0A0D7
UniRef90_UPI0004690536
UniRef90_K2KJB1
UniRef90_H3KG74
UniRef90_Q6LLL3
UniRef90_I3CE63
UniRef90_M5R1F4
UniRef90_UPI00036C5FEB
UniRef90_L0GXQ6
UniRef90_UPI000363541F
UniRef90_C9PRH7
UniRef90_H5SHV0
UniRef90_Q5QVY8
UniRef90_E1SVB8
UniRef90_Q3JEK8
UniRef90_K1JST7
UniRef90_V2TK71
UniRef90_E6WWA5
UniRef90_B8KRE7
UniRef90_A0A031MD77
UniRef90_F0F0D2
UniRef90_A0A023BRI6
UniRef90_K0MIP9
UniRef90_UPI0003627513
UniRef90_F5ZFQ5
UniRef90_A0A023NX66
UniRef90_UPI00036656D1
UniRef90_K6Y7Z3
UniRef90_UPI0002ED9650
UniRef90_A0Y9C8
UniRef90_M4XQT5
UniRef90_L0WBC9
UniRef90_F2G728
UniRef90_B6BVF6
UniRef90_F6DBJ5
UniRef90_D3UY66
UniRef90_J0QDI0
UniRef90_B9JU90
UniRef90_A4BVQ6
UniRef90_UPI00037B0DF6
UniRef90_UPI0003C17E33
UniRef90_C0BM75
UniRef90_UPI00036470F7
UniRef90_UPI00037EDE10
UniRef90_I2JEP5
UniRef90_D0CPP2
UniRef90_W6W2L1
UniRef90_UPI0003F63C99
UniRef90_UPI0003797B49
UniRef90_G3IR20
UniRef90_I4A035

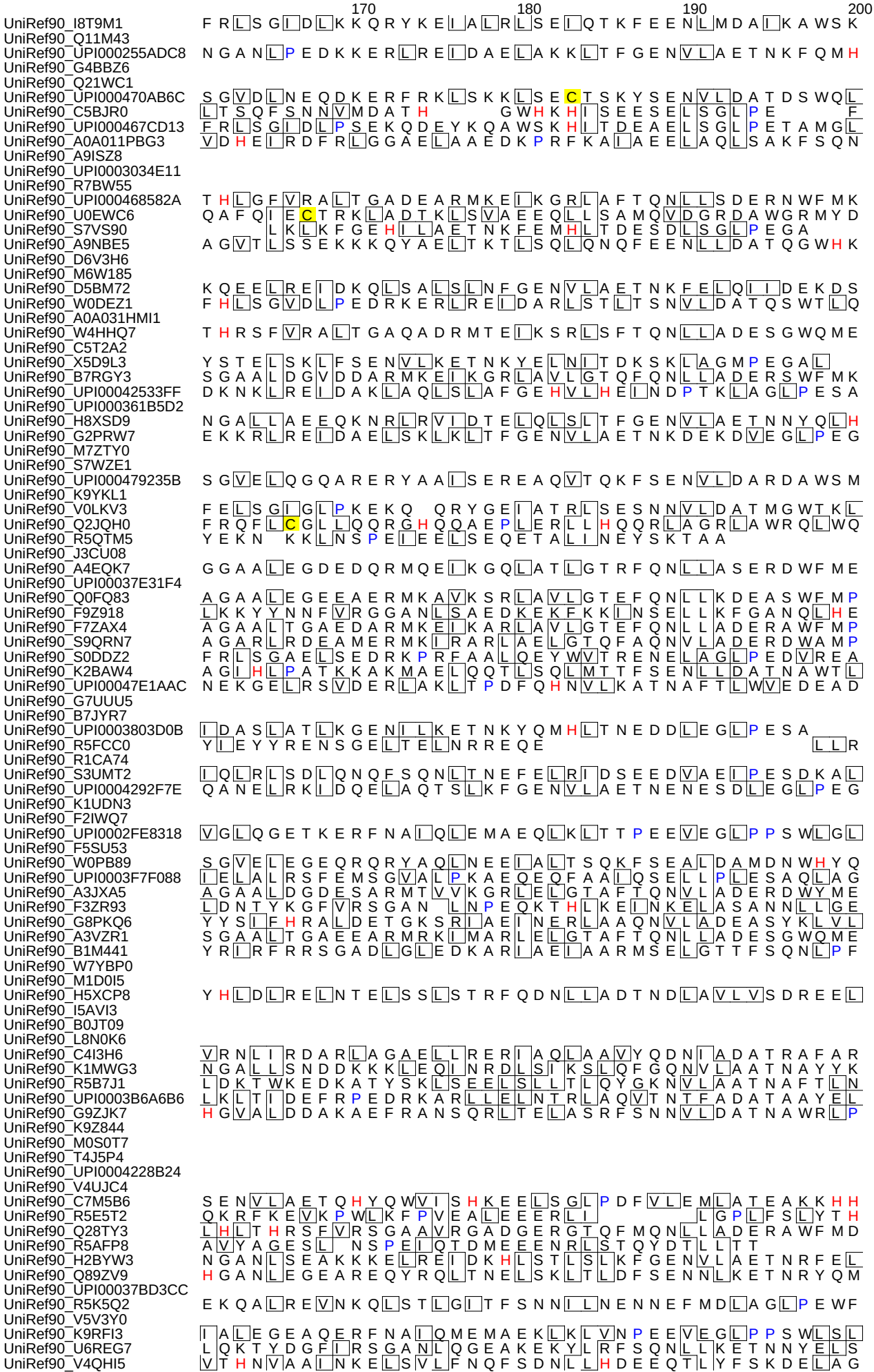
610
620
UniRef90_D0T762 R E P K I D A L L R H Q G W T D
UniRef90_W8UDC1 R E P Q L D A M
UniRef90_W5YX43
UniRef90_A0A031LWL8 R E P K I D A L L R H Q G W
UniRef90_R1XQ86 E N F I Q D
UniRef90_K4L0E1 V E P L
UniRef90_Q736P7 E E R I E S T A S V I V D L I N E L K
UniRef90_Q6F7U8 R E P K I D A L L R H Q G W
UniRef90_F2BA83 P D
UniRef90_F1W0U6 S R P A L D S F K A F R G R E P N I D A L L
UniRef90_R6GSC0
UniRef90_V5C7B4 R K P T I D A L
UniRef90_UPI000365FD28 R E P S V D A L L R H A G I V
UniRef90_UPI00036E136E V E P L
UniRef90_A4G351 S R P A I D S F K A F R G R E P T I D A L L
UniRef90_U4K9U0
UniRef90_W0E673 R E P D T E A L
UniRef90_C3XBL0 E S F V
UniRef90_K2JLX7 V E P L
UniRef90_Q07WB5
UniRef90_D2TA04 R E P K L D A M
UniRef90_UPI0003956C69 R E P S P E A L
UniRef90_S3PPR5 R E P K I D A L L R H Q G W
UniRef90_D2U091
UniRef90_Q3SG70 E S F K A F R G R E P T I D A L L
UniRef90_B2JJB5 S R P A M E S F K A F R G R E P N I D A L L
UniRef90_UPI0003633E5D R K P A I D A L
UniRef90_A8FPI5
UniRef90_UPI0004762199 R K P A V D A L L R H T G L L L E
UniRef90_UPI0004772D68 R E P T I D A L L R H S G L
UniRef90_K8BEM8 R E P Q L D A M
UniRef90_A6VPP5
UniRef90_UPI00031F4F71
UniRef90_A4CJR6 R E P E I D A L
UniRef90_W1J611 R E P K L D A M
UniRef90_D8KBK6 R E P V I D A L
UniRef90_D2UFP5 E N F T A F R G R A P E L D A L L
UniRef90_A6VS31 R E P S T D A L
UniRef90_A9CU89 P
UniRef90_M7PIK0 R E P Q I D A L
UniRef90_Y0KDW5 E S F V
UniRef90_G0A0D7 R E P N I D A L
UniRef90_UPI0004690536 R E P K I D A L
UniRef90_K2KJB1 V E P L
UniRef90_H3KG74
UniRef90_Q6LLL3 R E P Q L D A M
UniRef90_I3CE63 I E P L
UniRef90_M5R1F4 R E P S I D A L L R H S G L T E D
UniRef90_UPI00036C5FEB E S F V
UniRef90_L0GXQ6 R E P R V D A L
UniRef90_UPI000363541F E S F V
UniRef90_C9PRH7 R E P Q L D A L L R H K G I
UniRef90_H5SHV0 E S F I
UniRef90_Q5QVY8
UniRef90_E1SVB8
UniRef90_Q3JEK8 R E P V I D A L
UniRef90_K1JST7 R D A M E N F I A F R G R R P E I D A L L
UniRef90_V2TK71 R A P K I D A L L R H Q G W
UniRef90_E6WWA5 R S A L E N F K A F R G R E P S L D A L L
UniRef90_B8KRE7 R E P
UniRef90_A0A031MD77 R E P S V D A L L R H S G L I G E
UniRef90_F0F0D2
UniRef90_A0A023BRI6 P E
UniRef90_K0MIP9 D S F R A F R G R E P R I D A L L
UniRef90_UPI0003627513
UniRef90_F5ZFQ5 R E P N V D A L
UniRef90_A0A023NX66 E S F V A F R G R T P E P E A L L
UniRef90_UPI00036656D1 P A F W I G G A E A I T A Q V E Q F
UniRef90_K6Y7Z3 R E P E V D A L
UniRef90_UPI0002ED9650 R E P S I D A L L R H S G L
UniRef90_A0Y9C8
UniRef90_M4XQT5 R K P T L D A L L R H K G I V G N A E
UniRef90_L0WBC9 V E P L
UniRef90_F2G728 R E P K V D A L
UniRef90_B6BVF6 E S F I K
UniRef90_F6DBJ5 I D
UniRef90_D3UY66 R E P K L D A M
UniRef90_J0QDI0 S E
UniRef90_B9JU90 P E
UniRef90_A4BVQ6 I E P L
UniRef90_UPI00037B0DF6
UniRef90_UPI0003C17E33
UniRef90_C0BM75 P E
UniRef90_UPI00036470F7 P E
UniRef90_UPI00037EDE10 R E P Q I D A L L R H S G M L
UniRef90_I2JEP5 R A P A N D A L
UniRef90_D0CPP2 V D A L L K G R G L I A
UniRef90_W6W2L1 P Q A M K K G L A M V E E L
UniRef90_UPI0003F63C99 P E
UniRef90_UPI0003797B49 P D
UniRef90_G3IR20 R K P T I D A L
UniRef90_I4A035

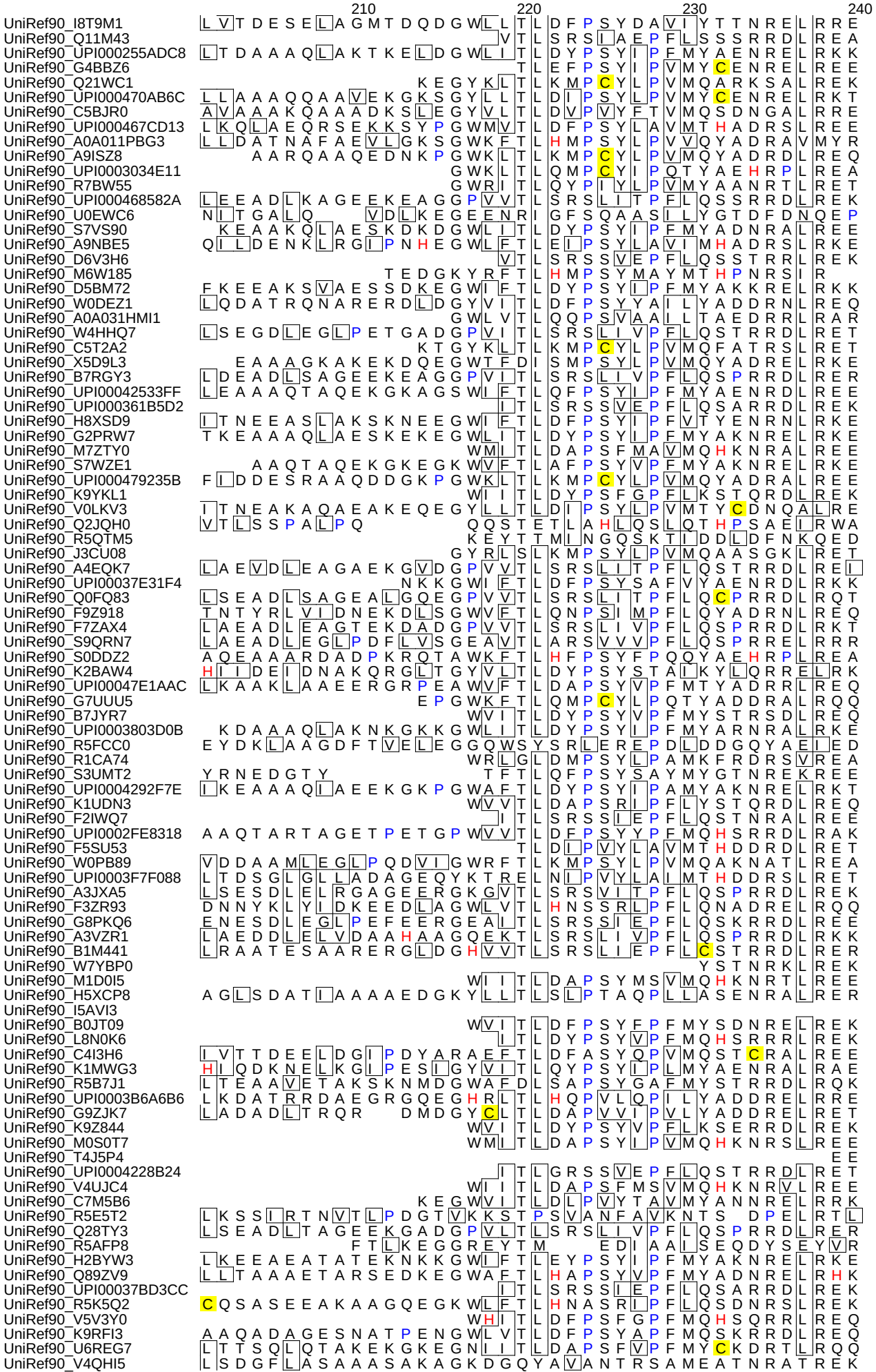

1
10
20
30
40
UniRef90_I8T9M1
UniRef90_Q11M43
UniRef90_UPI000255ADC8
UniRef90_G4BBZ6
UniRef90_Q21WC1
UniRef90_UPI000470AB6C
UniRef90_C5BJR0
UniRef90_UPI000467CD13
UniRef90_A0A011PBG3
UniRef90_A9ISZ8
UniRef90_UPI0003034E11
UniRef90_R7BW55
UniRef90_UPI000468582A
UniRef90_U0EWC6
UniRef90_S7VS90
UniRef90_A9NBE5
UniRef90_D6V3H6
UniRef90_M6W185
UniRef90_D5BM72
UniRef90_W0DEZ1
UniRef90_A0A031HMI1
UniRef90_W4HHQ7
UniRef90_C5T2A2
UniRef90_X5D9L3
UniRef90_B7RGY3
UniRef90_UPI00042533FF
UniRef90_UPI000361B5D2
UniRef90_H8XSD9
UniRef90_G2PRW7
UniRef90_M7ZTY0
UniRef90_S7WZE1
UniRef90_UPI000479235B
UniRef90_K9YKL1
UniRef90_V0LKV3
UniRef90_Q2JQH0
UniRef90_R5QTM5
UniRef90_J3CU08
UniRef90_A4EQK7
UniRef90_UPI00037E31F4
UniRef90_Q0FQ83
UniRef90_F9Z918
UniRef90_F7ZAX4
UniRef90_S9QRN7
UniRef90_S0DDZ2
UniRef90_K2BAW4
UniRef90_UPI00047E1AAC
UniRef90_G7UUU5
UniRef90_B7JYR7
UniRef90_UPI0003803D0B
UniRef90_R5FCC0
UniRef90_R1CA74
UniRef90_S3UMT2
UniRef90_UPI0004292F7E
UniRef90_K1UDN3
UniRef90_F2IWQ7
UniRef90_UPI0002FE8318
UniRef90_F5SU53
UniRef90_W0PB89
UniRef90_UPI0003F7F088
UniRef90_A3JXA5
UniRef90_F3ZR93
UniRef90_G8PKQ6
UniRef90_A3VZR1
UniRef90_B1M441
UniRef90_W7YBP0
UniRef90_M1D0I5
UniRef90_H5XCP8
UniRef90_I5AVI3
UniRef90_B0JT09
UniRef90_L8N0K6
UniRef90_C4I3H6
UniRef90_K1MWG3
UniRef90_R5B7J1
UniRef90_UPI0003B6A6B6
UniRef90_G9ZJK7
UniRef90_K9Z844
UniRef90_M0S0T7
UniRef90_T4J5P4
UniRef90_UPI0004228B24
UniRef90_V4UJC4
UniRef90_C7M5B6
UniRef90_R5E5T2
UniRef90_Q28TY3
UniRef90_R5AFP8
UniRef90_H2BYW3
UniRef90_Q89ZV9
UniRef90_UPI00037BD3CC
UniRef90_R5K5Q2
UniRef90_V5V3Y0
UniRef90_K9RFI3
UniRef90_U6REG7
UniRef90_V4QHI5

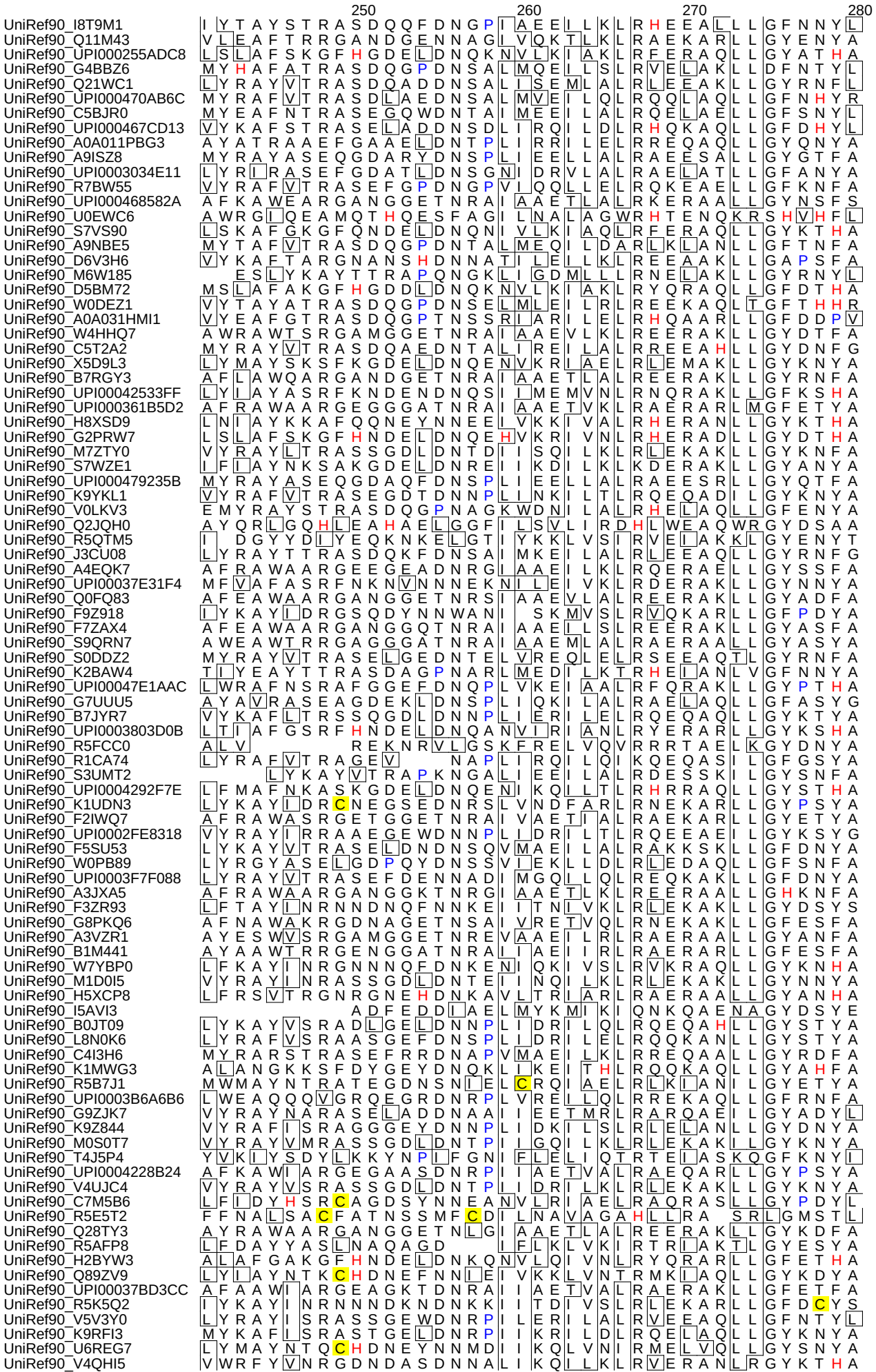

50
60
70
80
UniRef90_I8T9M1
UniRef90_Q11M43
UniRef90_UPI000255ADC8
UniRef90_G4BBZ6
UniRef90_Q21WC1
UniRef90_UPI000470AB6C
UniRef90_C5BJR0
UniRef90_UPI000467CD13
UniRef90_A0A011PBG3
UniRef90_A9ISZ8
UniRef90_UPI0003034E11
UniRef90_R7BW55
UniRef90_UPI000468582A
UniRef90_U0EWC6
UniRef90_S7VS90
UniRef90_A9NBE5
UniRef90_D6V3H6
UniRef90_M6W185
UniRef90_D5BM72
UniRef90_W0DEZ1
UniRef90_A0A031HMI1
UniRef90_W4HHQ7
UniRef90_C5T2A2
UniRef90_X5D9L3
UniRef90_B7RGY3
UniRef90_UPI00042533FF
UniRef90_UPI000361B5D2
UniRef90_H8XSD9
UniRef90_G2PRW7
UniRef90_M7ZTY0
UniRef90_S7WZE1
UniRef90_UPI000479235B
UniRef90_K9YKL1
UniRef90_V0LKV3
UniRef90_Q2JQH0
UniRef90_R5QTM5
UniRef90_J3CU08
UniRef90_A4EQK7
UniRef90_UPI00037E31F4
UniRef90_Q0FQ83
UniRef90_F9Z918
UniRef90_F7ZAX4
UniRef90_S9QRN7
UniRef90_S0DDZ2
UniRef90_K2BAW4
UniRef90_UPI00047E1AAC
UniRef90_G7UUU5
UniRef90_B7JYR7
UniRef90_UPI0003803D0B
UniRef90_R5FCC0
UniRef90_R1CA74
UniRef90_S3UMT2
UniRef90_UPI0004292F7E
UniRef90_K1UDN3
UniRef90_F2IWQ7
UniRef90_UPI0002FE8318
UniRef90_F5SU53
UniRef90_W0PB89
UniRef90_UPI0003F7F088
UniRef90_A3JXA5
UniRef90_F3ZR93
UniRef90_G8PKQ6
UniRef90_A3VZR1
UniRef90_B1M441
UniRef90_W7YBP0
UniRef90_M1D0I5
UniRef90_H5XCP8
UniRef90_I5AVI3
UniRef90_B0JT09
UniRef90_L8N0K6
UniRef90_C4I3H6
UniRef90_K1MWG3
UniRef90_R5B7J1
UniRef90_UPI0003B6A6B6
UniRef90_G9ZJK7
UniRef90_K9Z844
UniRef90_M0S0T7
UniRef90_T4J5P4
UniRef90_UPI0004228B24
UniRef90_V4UJC4
UniRef90_C7M5B6
UniRef90_R5E5T2
UniRef90_Q28TY3
UniRef90_R5AFP8
UniRef90_H2BYW3
UniRef90_Q89ZV9
UniRef90_UPI00037BD3CC
UniRef90_R5K5Q2
UniRef90_V5V3Y0
UniRef90_K9RFI3
UniRef90_U6REG7
UniRef90_V4QHI5

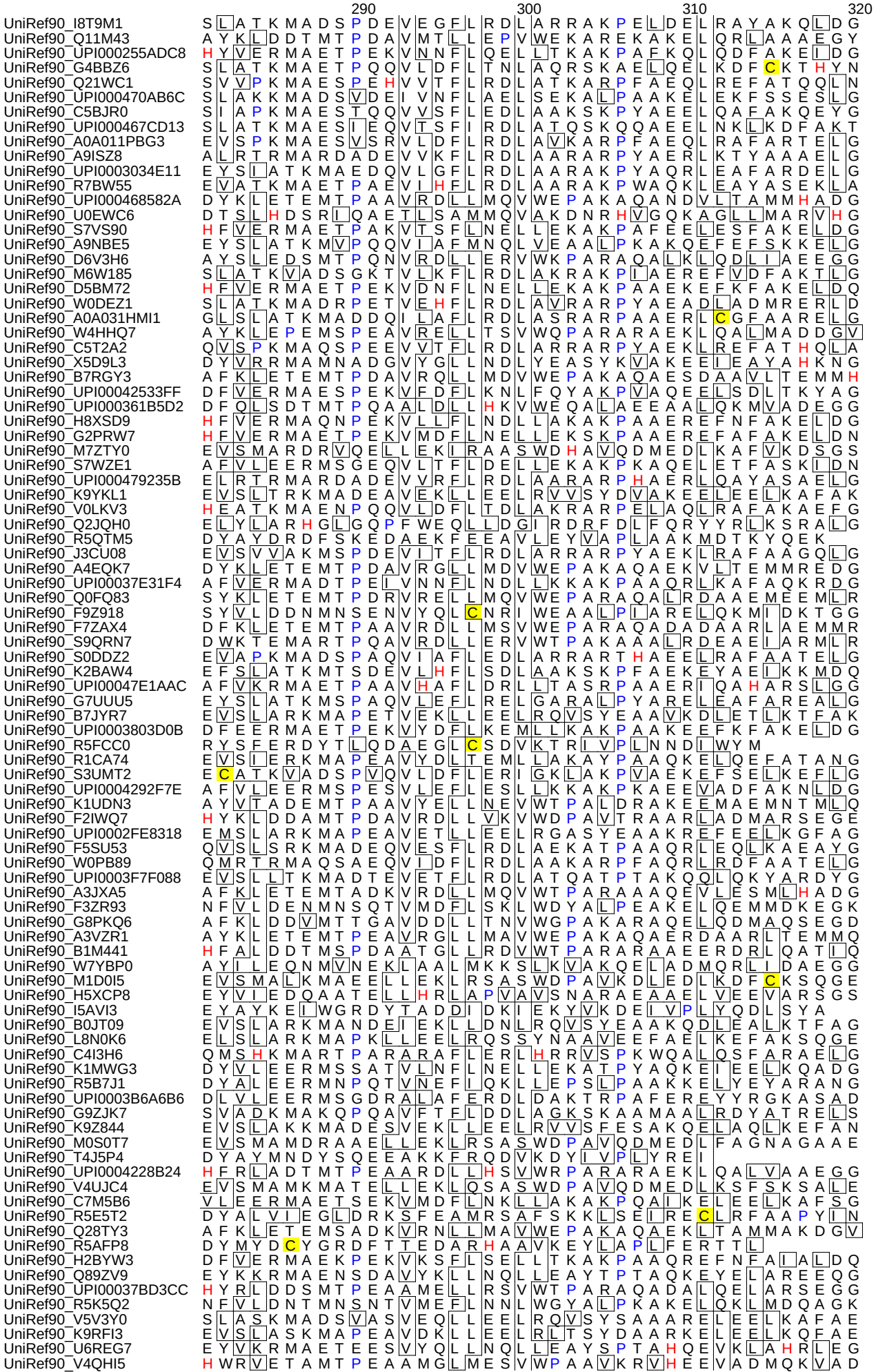

90
100
110
120
UniRef90_I8T9M1
UniRef90_Q11M43
UniRef90_UPI000255ADC8
UniRef90_G4BBZ6
UniRef90_Q21WC1
UniRef90_UPI000470AB6C
UniRef90_C5BJR0
UniRef90_UPI000467CD13
UniRef90_A0A011PBG3
UniRef90_A9ISZ8
UniRef90_UPI0003034E11
UniRef90_R7BW55
UniRef90_UPI000468582A
UniRef90_U0EWC6
UniRef90_S7VS90
UniRef90_A9NBE5
UniRef90_D6V3H6
UniRef90_M6W185
UniRef90_D5BM72
UniRef90_W0DEZ1
UniRef90_A0A031HMI1
UniRef90_W4HHQ7
UniRef90_C5T2A2
UniRef90_X5D9L3
UniRef90_B7RGY3
UniRef90_UPI00042533FF
UniRef90_UPI000361B5D2
UniRef90_H8XSD9
UniRef90_G2PRW7
UniRef90_M7ZTY0
UniRef90_S7WZE1
UniRef90_UPI000479235B
UniRef90_K9YKL1
UniRef90_V0LKV3
UniRef90_Q2JQH0
UniRef90_R5QTM5
UniRef90_J3CU08
UniRef90_A4EQK7
UniRef90_UPI00037E31F4
UniRef90_Q0FQ83
UniRef90_F9Z918
UniRef90_F7ZAX4
UniRef90_S9QRN7
UniRef90_S0DDZ2
UniRef90_K2BAW4
UniRef90_UPI00047E1AAC
UniRef90_G7UUU5
UniRef90_B7JYR7
UniRef90_UPI0003803D0B
UniRef90_R5FCC0
UniRef90_R1CA74
UniRef90_S3UMT2
UniRef90_UPI0004292F7E
UniRef90_K1UDN3
UniRef90_F2IWQ7
UniRef90_UPI0002FE8318
UniRef90_F5SU53
UniRef90_W0PB89
UniRef90_UPI0003F7F088
UniRef90_A3JXA5
UniRef90_F3ZR93
UniRef90_G8PKQ6
UniRef90_A3VZR1
UniRef90_B1M441
UniRef90_W7YBP0
UniRef90_M1D0I5
UniRef90_H5XCP8
UniRef90_I5AVI3
UniRef90_B0JT09
UniRef90_L8N0K6
UniRef90_C4I3H6
UniRef90_K1MWG3
UniRef90_R5B7J1
UniRef90_UPI0003B6A6B6
UniRef90_G9ZJK7
UniRef90_K9Z844
UniRef90_M0S0T7
UniRef90_T4J5P4
UniRef90_UPI0004228B24
UniRef90_V4UJC4
UniRef90_C7M5B6
UniRef90_R5E5T2
UniRef90_Q28TY3
UniRef90_R5AFP8
UniRef90_H2BYW3
UniRef90_Q89ZV9
UniRef90_UPI00037BD3CC
UniRef90_R5K5Q2
UniRef90_V5V3Y0
UniRef90_K9RFI3
UniRef90_U6REG7
UniRef90_V4QHI5

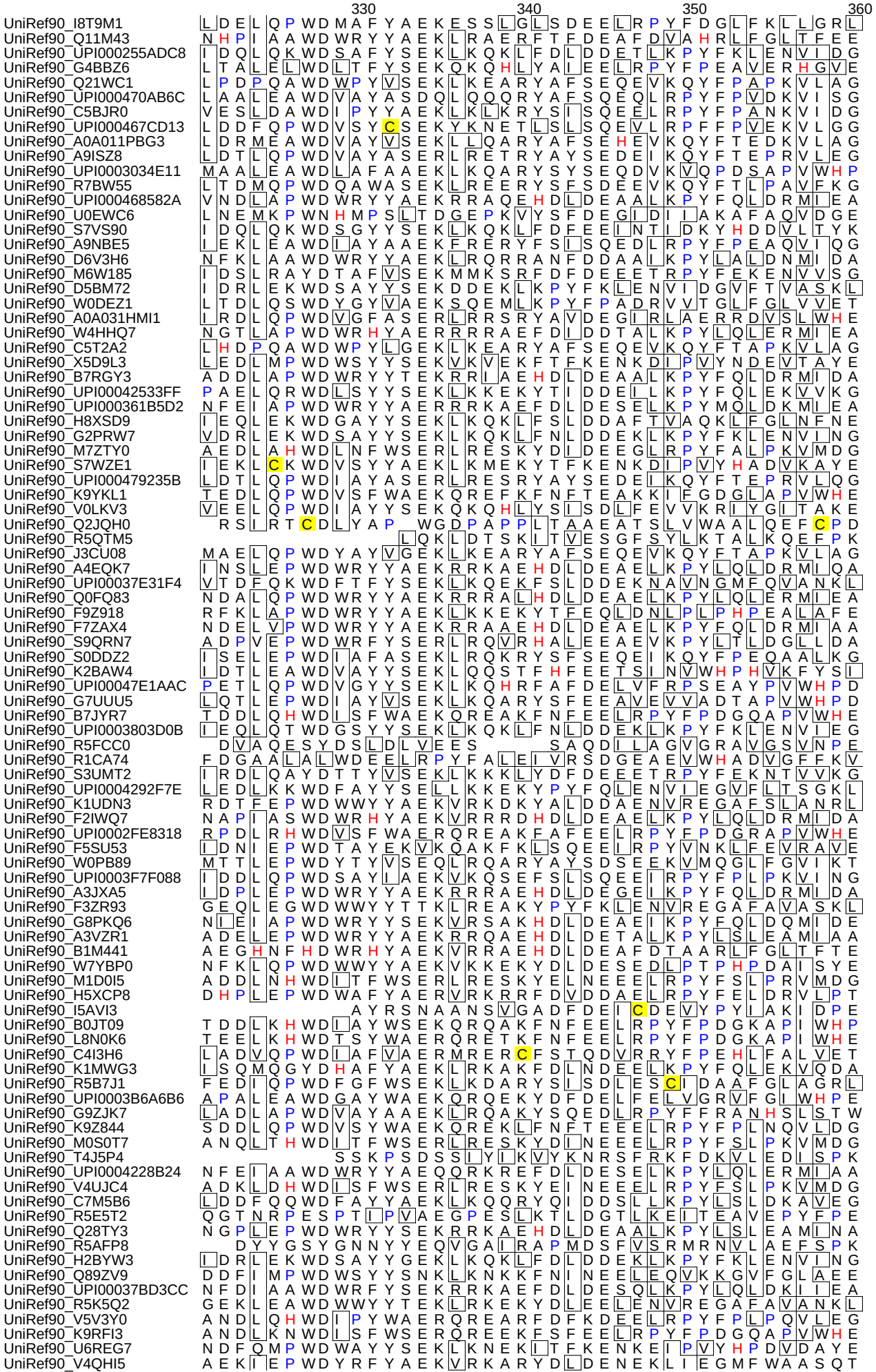

130
140
150
160
UniRef90_I8T9M1
UniRef90_Q11M43
UniRef90_UPI000255ADC8
UniRef90_G4BBZ6
UniRef90_Q21WC1
UniRef90_UPI000470AB6C
UniRef90_C5BJR0
UniRef90_UPI000467CD13
UniRef90_A0A011PBG3
UniRef90_A9ISZ8
UniRef90_UPI0003034E11
UniRef90_R7BW55
UniRef90_UPI000468582A
UniRef90_U0EWC6
UniRef90_S7VS90
UniRef90_A9NBE5
UniRef90_D6V3H6
UniRef90_M6W185
UniRef90_D5BM72
UniRef90_W0DEZ1
UniRef90_A0A031HMI1
UniRef90_W4HHQ7
UniRef90_C5T2A2
UniRef90_X5D9L3
UniRef90_B7RGY3
UniRef90_UPI00042533FF
UniRef90_UPI000361B5D2
UniRef90_H8XSD9
UniRef90_G2PRW7
UniRef90_M7ZTY0
UniRef90_S7WZE1
UniRef90_UPI000479235B
UniRef90_K9YKL1
UniRef90_V0LKV3
UniRef90_Q2JQH0
UniRef90_R5QTM5
UniRef90_J3CU08
UniRef90_A4EQK7
UniRef90_UPI00037E31F4
UniRef90_Q0FQ83
UniRef90_F9Z918
UniRef90_F7ZAX4
UniRef90_S9QRN7
UniRef90_S0DDZ2
UniRef90_K2BAW4
UniRef90_UPI00047E1AAC
UniRef90_G7UUU5
UniRef90_B7JYR7
UniRef90_UPI0003803D0B
UniRef90_R5FCC0
UniRef90_R1CA74
UniRef90_S3UMT2
UniRef90_UPI0004292F7E
UniRef90_K1UDN3
UniRef90_F2IWQ7
UniRef90_UPI0002FE8318
UniRef90_F5SU53
UniRef90_W0PB89
UniRef90_UPI0003F7F088
UniRef90_A3JXA5
UniRef90_F3ZR93
UniRef90_G8PKQ6
UniRef90_A3VZR1
UniRef90_B1M441
UniRef90_W7YBP0
UniRef90_M1D0I5
UniRef90_H5XCP8
UniRef90_I5AVI3
UniRef90_B0JT09
UniRef90_L8N0K6
UniRef90_C4I3H6
UniRef90_K1MWG3
UniRef90_R5B7J1
UniRef90_UPI0003B6A6B6
UniRef90_G9ZJK7
UniRef90_K9Z844
UniRef90_M0S0T7
UniRef90_T4J5P4
UniRef90_UPI0004228B24
UniRef90_V4UJC4
UniRef90_C7M5B6
UniRef90_R5E5T2
UniRef90_Q28TY3
UniRef90_R5AFP8
UniRef90_H2BYW3
UniRef90_Q89ZV9
UniRef90_UPI00037BD3CC
UniRef90_R5K5Q2
UniRef90_V5V3Y0
UniRef90_K9RFI3
UniRef90_U6REG7
UniRef90_V4QHI5

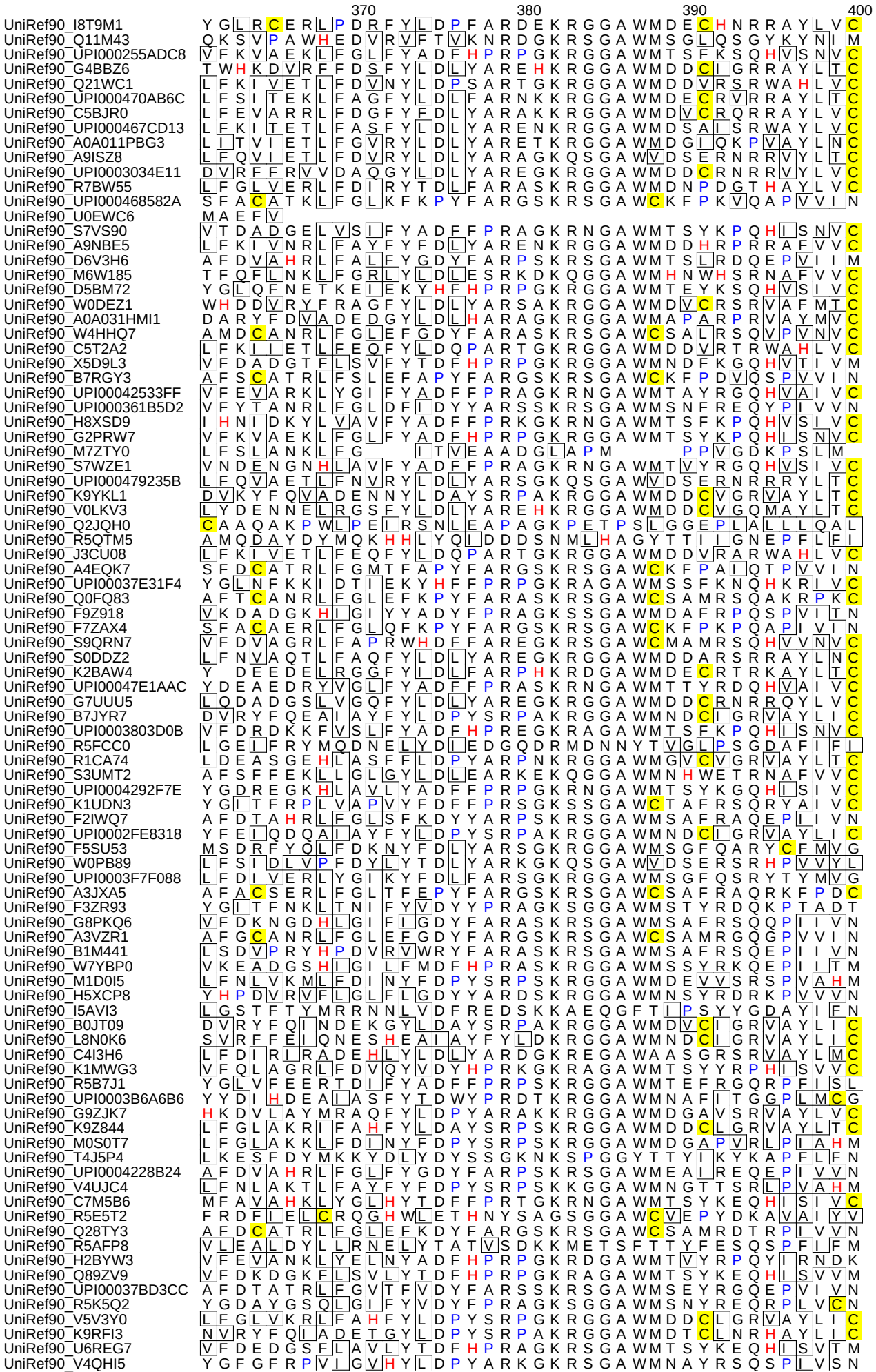

170
180
190
200
UniRef90_I8T9M1
UniRef90_Q11M43
UniRef90_UPI000255ADC8
UniRef90_G4BBZ6
UniRef90_Q21WC1
UniRef90_UPI000470AB6C
UniRef90_C5BJR0
UniRef90_UPI000467CD13
UniRef90_A0A011PBG3
UniRef90_A9ISZ8
UniRef90_UPI0003034E11
UniRef90_R7BW55
UniRef90_UPI000468582A
UniRef90_U0EWC6
UniRef90_S7VS90
UniRef90_A9NBE5
UniRef90_D6V3H6
UniRef90_M6W185
UniRef90_D5BM72
UniRef90_W0DEZ1
UniRef90_A0A031HMI1
UniRef90_W4HHQ7
UniRef90_C5T2A2
UniRef90_X5D9L3
UniRef90_B7RGY3
UniRef90_UPI00042533FF
UniRef90_UPI000361B5D2
UniRef90_H8XSD9
UniRef90_G2PRW7
UniRef90_M7ZTY0
UniRef90_S7WZE1
UniRef90_UPI000479235B
UniRef90_K9YKL1
UniRef90_V0LKV3
UniRef90_Q2JQH0
UniRef90_R5QTM5
UniRef90_J3CU08
UniRef90_A4EQK7
UniRef90_UPI00037E31F4
UniRef90_Q0FQ83
UniRef90_F9Z918
UniRef90_F7ZAX4
UniRef90_S9QRN7
UniRef90_S0DDZ2
UniRef90_K2BAW4
UniRef90_UPI00047E1AAC
UniRef90_G7UUU5
UniRef90_B7JYR7
UniRef90_UPI0003803D0B
UniRef90_R5FCC0
UniRef90_R1CA74
UniRef90_S3UMT2
UniRef90_UPI0004292F7E
UniRef90_K1UDN3
UniRef90_F2IWQ7
UniRef90_UPI0002FE8318
UniRef90_F5SU53
UniRef90_W0PB89
UniRef90_UPI0003F7F088
UniRef90_A3JXA5
UniRef90_F3ZR93
UniRef90_G8PKQ6
UniRef90_A3VZR1
UniRef90_B1M441
UniRef90_W7YBP0
UniRef90_M1D0I5
UniRef90_H5XCP8
UniRef90_I5AVI3
UniRef90_B0JT09
UniRef90_L8N0K6
UniRef90_C4I3H6
UniRef90_K1MWG3
UniRef90_R5B7J1
UniRef90_UPI0003B6A6B6
UniRef90_G9ZJK7
UniRef90_K9Z844
UniRef90_M0S0T7
UniRef90_T4J5P4
UniRef90_UPI0004228B24
UniRef90_V4UJC4
UniRef90_C7M5B6
UniRef90_R5E5T2
UniRef90_Q28TY3
UniRef90_R5AFP8
UniRef90_H2BYW3
UniRef90_Q89ZV9
UniRef90_UPI00037BD3CC
UniRef90_R5K5Q2
UniRef90_V5V3Y0
UniRef90_K9RFI3
UniRef90_U6REG7
UniRef90_V4QHI5

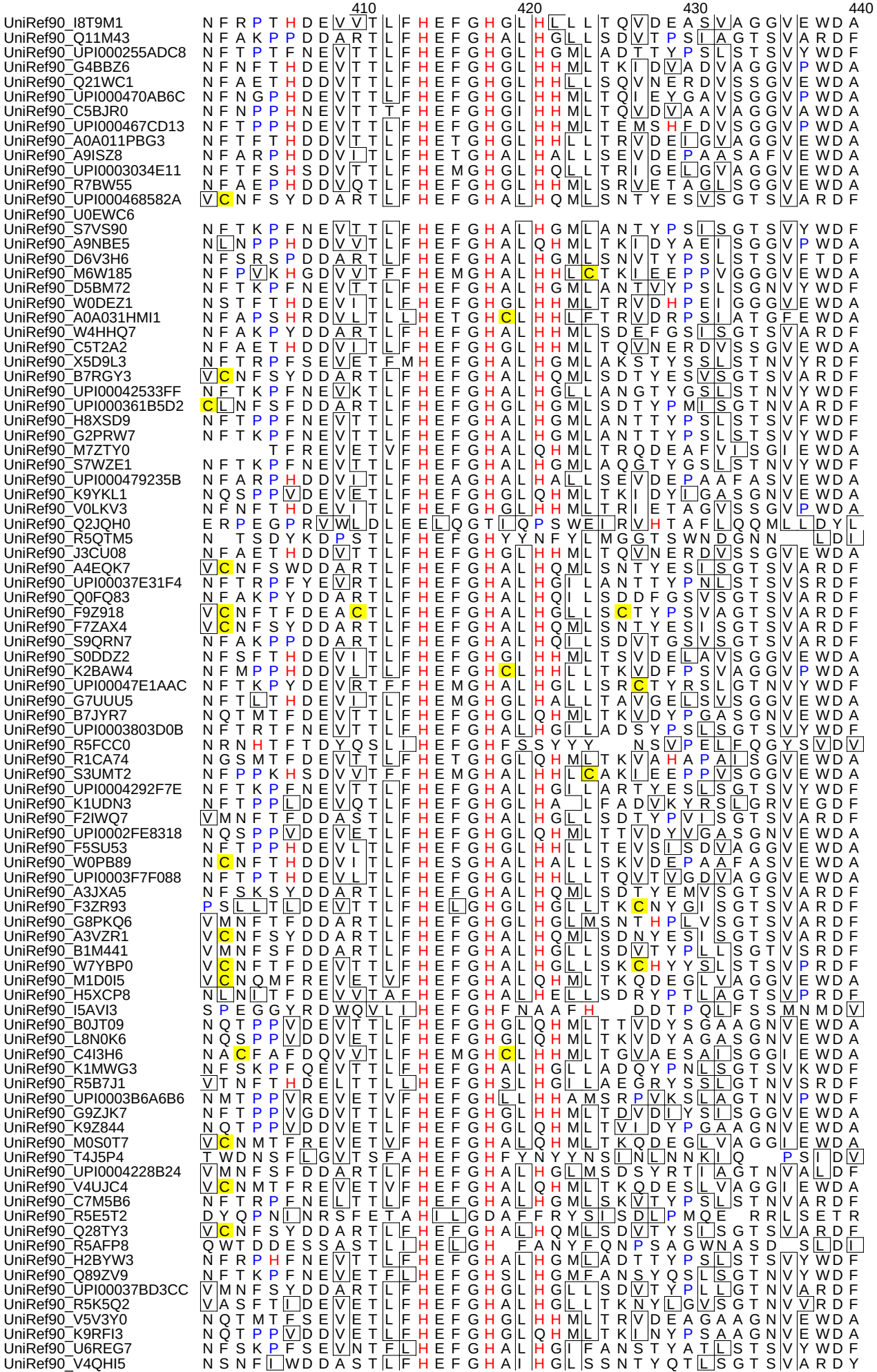

210
220
230
240
UniRef90_I8T9M1
UniRef90_Q11M43
UniRef90_UPI000255ADC8
UniRef90_G4BBZ6
UniRef90_Q21WC1
UniRef90_UPI000470AB6C
UniRef90_C5BJR0
UniRef90_UPI000467CD13
UniRef90_A0A011PBG3
UniRef90_A9ISZ8
UniRef90_UPI0003034E11
UniRef90_R7BW55
UniRef90_UPI000468582A
UniRef90_U0EWC6
UniRef90_S7VS90
UniRef90_A9NBE5
UniRef90_D6V3H6
UniRef90_M6W185
UniRef90_D5BM72
UniRef90_W0DEZ1
UniRef90_A0A031HMI1
UniRef90_W4HHQ7
UniRef90_C5T2A2
UniRef90_X5D9L3
UniRef90_B7RGY3
UniRef90_UPI00042533FF
UniRef90_UPI000361B5D2
UniRef90_H8XSD9
UniRef90_G2PRW7
UniRef90_M7ZTY0
UniRef90_S7WZE1
UniRef90_UPI000479235B
UniRef90_K9YKL1
UniRef90_V0LKV3
UniRef90_Q2JQH0
UniRef90_R5QTM5
UniRef90_J3CU08
UniRef90_A4EQK7
UniRef90_UPI00037E31F4
UniRef90_Q0FQ83
UniRef90_F9Z918
UniRef90_F7ZAX4
UniRef90_S9QRN7
UniRef90_S0DDZ2
UniRef90_K2BAW4
UniRef90_UPI00047E1AAC
UniRef90_G7UUU5
UniRef90_B7JYR7
UniRef90_UPI0003803D0B
UniRef90_R5FCC0
UniRef90_R1CA74
UniRef90_S3UMT2
UniRef90_UPI0004292F7E
UniRef90_K1UDN3
UniRef90_F2IWQ7
UniRef90_UPI0002FE8318
UniRef90_F5SU53
UniRef90_W0PB89
UniRef90_UPI0003F7F088
UniRef90_A3JXA5
UniRef90_F3ZR93
UniRef90_G8PKQ6
UniRef90_A3VZR1
UniRef90_B1M441
UniRef90_W7YBP0
UniRef90_M1D0I5
UniRef90_H5XCP8
UniRef90_I5AVI3
UniRef90_B0JT09
UniRef90_L8N0K6
UniRef90_C4I3H6
UniRef90_K1MWG3
UniRef90_R5B7J1
UniRef90_UPI0003B6A6B6
UniRef90_G9ZJK7
UniRef90_K9Z844
UniRef90_M0S0T7
UniRef90_T4J5P4
UniRef90_UPI0004228B24
UniRef90_V4UJC4
UniRef90_C7M5B6
UniRef90_R5E5T2
UniRef90_Q28TY3
UniRef90_R5AFP8
UniRef90_H2BYW3
UniRef90_Q89ZV9
UniRef90_UPI00037BD3CC
UniRef90_R5K5Q2
UniRef90_V5V3Y0
UniRef90_K9RFI3
UniRef90_U6REG7
UniRef90_V4QHI5

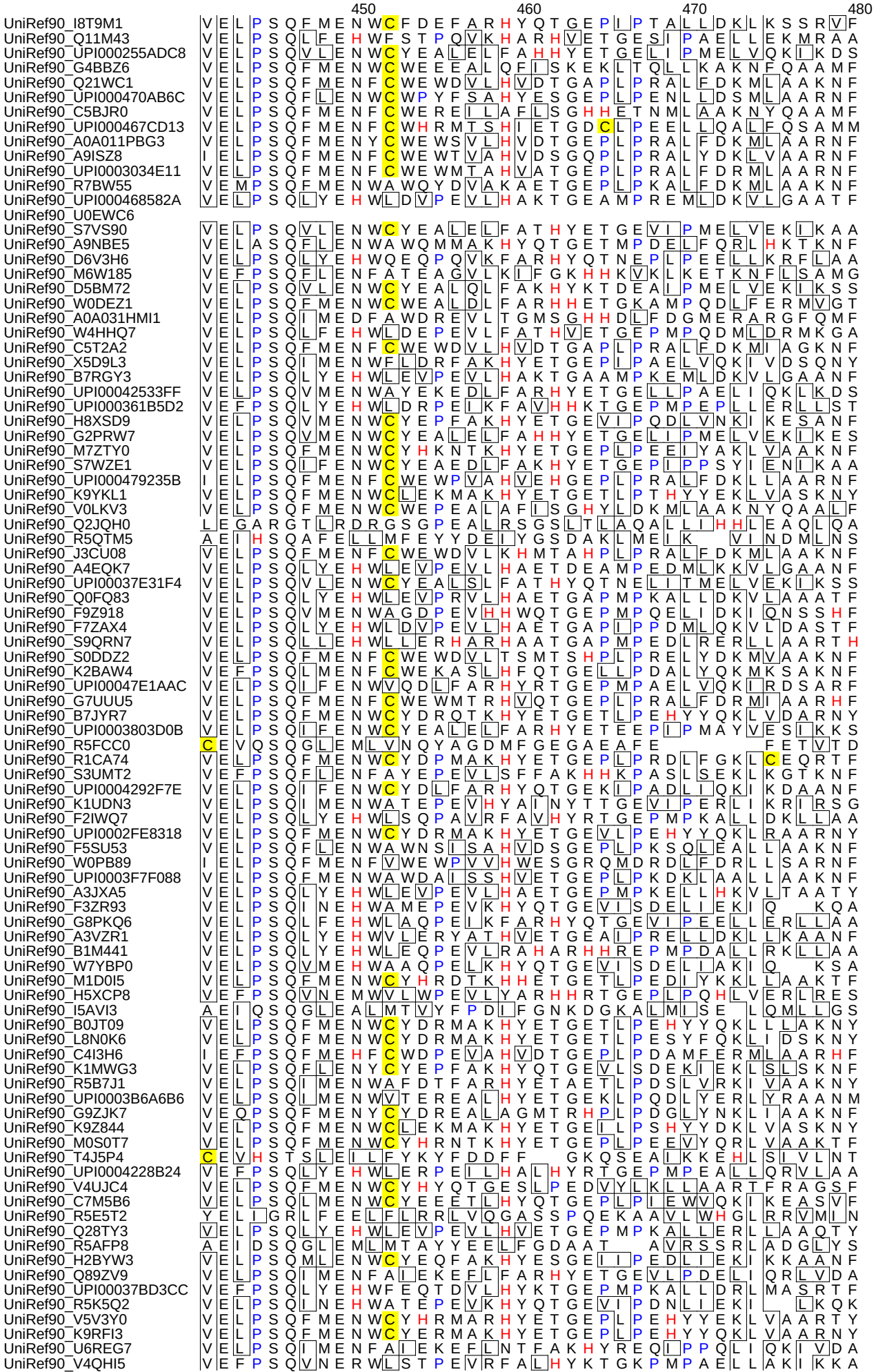

250
260
270
280
UniRef90_I8T9M1
UniRef90_Q11M43
UniRef90_UPI000255ADC8
UniRef90_G4BBZ6
UniRef90_Q21WC1
UniRef90_UPI000470AB6C
UniRef90_C5BJR0
UniRef90_UPI000467CD13
UniRef90_A0A011PBG3
UniRef90_A9ISZ8
UniRef90_UPI0003034E11
UniRef90_R7BW55
UniRef90_UPI000468582A
UniRef90_U0EWC6
UniRef90_S7VS90
UniRef90_A9NBE5
UniRef90_D6V3H6
UniRef90_M6W185
UniRef90_D5BM72
UniRef90_W0DEZ1
UniRef90_A0A031HMI1
UniRef90_W4HHQ7
UniRef90_C5T2A2
UniRef90_X5D9L3
UniRef90_B7RGY3
UniRef90_UPI00042533FF
UniRef90_UPI000361B5D2
UniRef90_H8XSD9
UniRef90_G2PRW7
UniRef90_M7ZTY0
UniRef90_S7WZE1
UniRef90_UPI000479235B
UniRef90_K9YKL1
UniRef90_V0LKV3
UniRef90_Q2JQH0
UniRef90_R5QTM5
UniRef90_J3CU08
UniRef90_A4EQK7
UniRef90_UPI00037E31F4
UniRef90_Q0FQ83
UniRef90_F9Z918
UniRef90_F7ZAX4
UniRef90_S9QRN7
UniRef90_S0DDZ2
UniRef90_K2BAW4
UniRef90_UPI00047E1AAC
UniRef90_G7UUU5
UniRef90_B7JYR7
UniRef90_UPI0003803D0B
UniRef90_R5FCC0
UniRef90_R1CA74
UniRef90_S3UMT2
UniRef90_UPI0004292F7E
UniRef90_K1UDN3
UniRef90_F2IWQ7
UniRef90_UPI0002FE8318
UniRef90_F5SU53
UniRef90_W0PB89
UniRef90_UPI0003F7F088
UniRef90_A3JXA5
UniRef90_F3ZR93
UniRef90_G8PKQ6
UniRef90_A3VZR1
UniRef90_B1M441
UniRef90_W7YBP0
UniRef90_M1D0I5
UniRef90_H5XCP8
UniRef90_I5AVI3
UniRef90_B0JT09
UniRef90_L8N0K6
UniRef90_C4I3H6
UniRef90_K1MWG3
UniRef90_R5B7J1
UniRef90_UPI0003B6A6B6
UniRef90_G9ZJK7
UniRef90_K9Z844
UniRef90_M0S0T7
UniRef90_T4J5P4
UniRef90_UPI0004228B24
UniRef90_V4UJC4
UniRef90_C7M5B6
UniRef90_R5E5T2
UniRef90_Q28TY3
UniRef90_R5AFP8
UniRef90_H2BYW3
UniRef90_Q89ZV9
UniRef90_UPI00037BD3CC
UniRef90_R5K5Q2
UniRef90_V5V3Y0
UniRef90_K9RFI3
UniRef90_U6REG7
UniRef90_V4QHI5

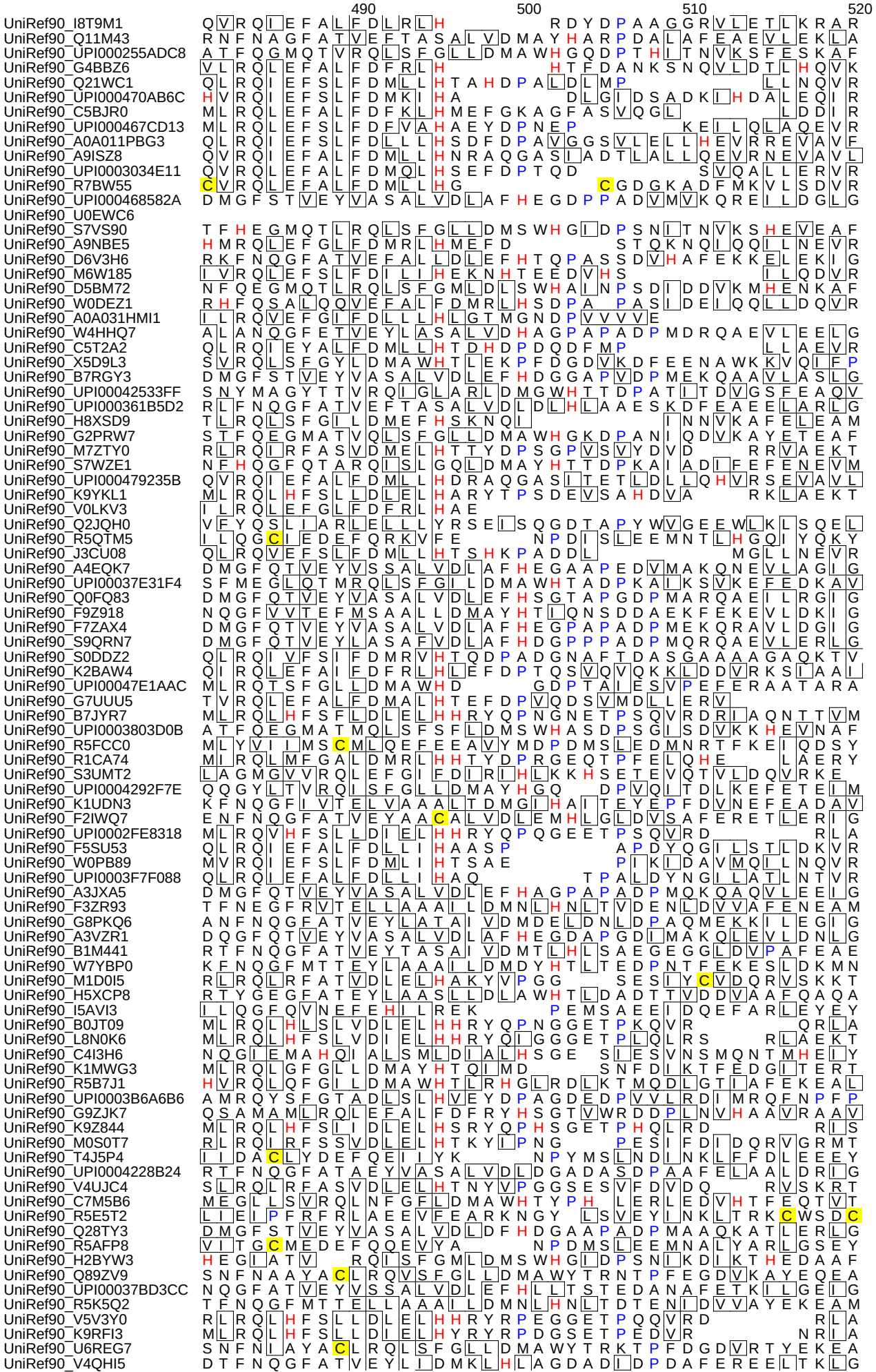

290
300
310
320
UniRef90_I8T9M1
UniRef90_Q11M43
UniRef90_UPI000255ADC8
UniRef90_G4BBZ6
UniRef90_Q21WC1
UniRef90_UPI000470AB6C
UniRef90_C5BJR0
UniRef90_UPI000467CD13
UniRef90_A0A011PBG3
UniRef90_A9ISZ8
UniRef90_UPI0003034E11
UniRef90_R7BW55
UniRef90_UPI000468582A
UniRef90_U0EWC6
UniRef90_S7VS90
UniRef90_A9NBE5
UniRef90_D6V3H6
UniRef90_M6W185
UniRef90_D5BM72
UniRef90_W0DEZ1
UniRef90_A0A031HMI1
UniRef90_W4HHQ7
UniRef90_C5T2A2
UniRef90_X5D9L3
UniRef90_B7RGY3
UniRef90_UPI00042533FF
UniRef90_UPI000361B5D2
UniRef90_H8XSD9
UniRef90_G2PRW7
UniRef90_M7ZTY0
UniRef90_S7WZE1
UniRef90_UPI000479235B
UniRef90_K9YKL1
UniRef90_V0LKV3
UniRef90_Q2JQH0
UniRef90_R5QTM5
UniRef90_J3CU08
UniRef90_A4EQK7
UniRef90_UPI00037E31F4
UniRef90_Q0FQ83
UniRef90_F9Z918
UniRef90_F7ZAX4
UniRef90_S9QRN7
UniRef90_S0DDZ2
UniRef90_K2BAW4
UniRef90_UPI00047E1AAC
UniRef90_G7UUU5
UniRef90_B7JYR7
UniRef90_UPI0003803D0B
UniRef90_R5FCC0
UniRef90_R1CA74
UniRef90_S3UMT2
UniRef90_UPI0004292F7E
UniRef90_K1UDN3
UniRef90_F2IWQ7
UniRef90_UPI0002FE8318
UniRef90_F5SU53
UniRef90_W0PB89
UniRef90_UPI0003F7F088
UniRef90_A3JXA5
UniRef90_F3ZR93
UniRef90_G8PKQ6
UniRef90_A3VZR1
UniRef90_B1M441
UniRef90_W7YBP0
UniRef90_M1D0I5
UniRef90_H5XCP8
UniRef90_I5AVI3
UniRef90_B0JT09
UniRef90_L8N0K6
UniRef90_C4I3H6
UniRef90_K1MWG3
UniRef90_R5B7J1
UniRef90_UPI0003B6A6B6
UniRef90_G9ZJK7
UniRef90_K9Z844
UniRef90_M0S0T7
UniRef90_T4J5P4
UniRef90_UPI0004228B24
UniRef90_V4UJC4
UniRef90_C7M5B6
UniRef90_R5E5T2
UniRef90_Q28TY3
UniRef90_R5AFP8
UniRef90_H2BYW3
UniRef90_Q89ZV9
UniRef90_UPI00037BD3CC
UniRef90_R5K5Q2
UniRef90_V5V3Y0
UniRef90_K9RFI3
UniRef90_U6REG7
UniRef90_V4QHI5

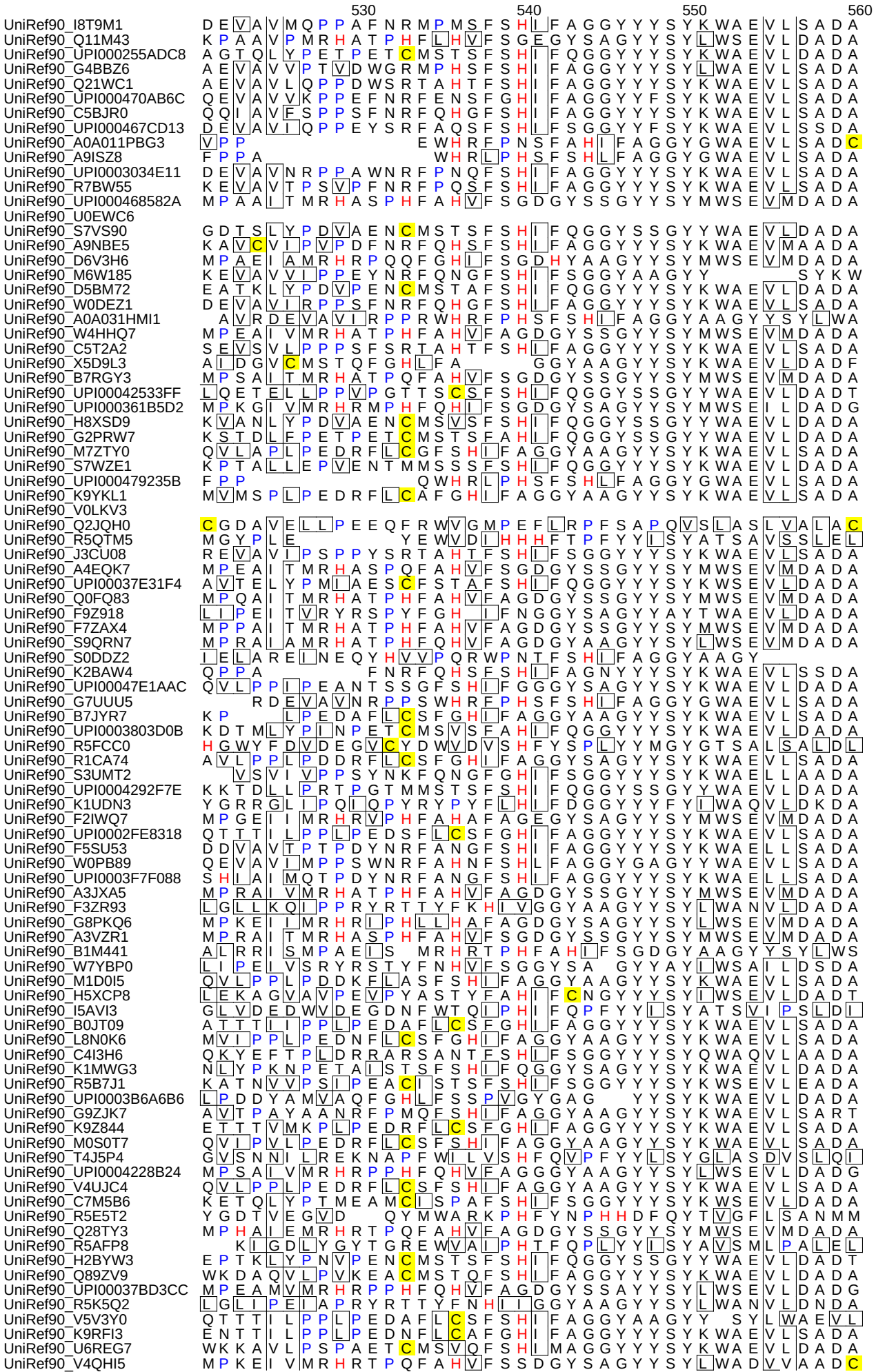

330
340
350
360
UniRef90_I8T9M1
UniRef90_Q11M43
UniRef90_UPI000255ADC8
UniRef90_G4BBZ6
UniRef90_Q21WC1
UniRef90_UPI000470AB6C
UniRef90_C5BJR0
UniRef90_UPI000467CD13
UniRef90_A0A011PBG3
UniRef90_A9ISZ8
UniRef90_UPI0003034E11
UniRef90_R7BW55
UniRef90_UPI000468582A
UniRef90_U0EWC6
UniRef90_S7VS90
UniRef90_A9NBE5
UniRef90_D6V3H6
UniRef90_M6W185
UniRef90_D5BM72
UniRef90_W0DEZ1
UniRef90_A0A031HMI1
UniRef90_W4HHQ7
UniRef90_C5T2A2
UniRef90_X5D9L3
UniRef90_B7RGY3
UniRef90_UPI00042533FF
UniRef90_UPI000361B5D2
UniRef90_H8XSD9
UniRef90_G2PRW7
UniRef90_M7ZTY0
UniRef90_S7WZE1
UniRef90_UPI000479235B
UniRef90_K9YKL1
UniRef90_V0LKV3
UniRef90_Q2JQH0
UniRef90_R5QTM5
UniRef90_J3CU08
UniRef90_A4EQK7
UniRef90_UPI00037E31F4
UniRef90_Q0FQ83
UniRef90_F9Z918
UniRef90_F7ZAX4
UniRef90_S9QRN7
UniRef90_S0DDZ2
UniRef90_K2BAW4
UniRef90_UPI00047E1AAC
UniRef90_G7UUU5
UniRef90_B7JYR7
UniRef90_UPI0003803D0B
UniRef90_R5FCC0
UniRef90_R1CA74
UniRef90_S3UMT2
UniRef90_UPI0004292F7E
UniRef90_K1UDN3
UniRef90_F2IWQ7
UniRef90_UPI0002FE8318
UniRef90_F5SU53
UniRef90_W0PB89
UniRef90_UPI0003F7F088
UniRef90_A3JXA5
UniRef90_F3ZR93
UniRef90_G8PKQ6
UniRef90_A3VZR1
UniRef90_B1M441
UniRef90_W7YBP0
UniRef90_M1D0I5
UniRef90_H5XCP8
UniRef90_I5AVI3
UniRef90_B0JT09
UniRef90_L8N0K6
UniRef90_C4I3H6
UniRef90_K1MWG3
UniRef90_R5B7J1
UniRef90_UPI0003B6A6B6
UniRef90_G9ZJK7
UniRef90_K9Z844
UniRef90_M0S0T7
UniRef90_T4J5P4
UniRef90_UPI0004228B24
UniRef90_V4UJC4
UniRef90_C7M5B6
UniRef90_R5E5T2
UniRef90_Q28TY3
UniRef90_R5AFP8
UniRef90_H2BYW3
UniRef90_Q89ZV9
UniRef90_UPI00037BD3CC
UniRef90_R5K5Q2
UniRef90_V5V3Y0
UniRef90_K9RFI3
UniRef90_U6REG7
UniRef90_V4QHI5

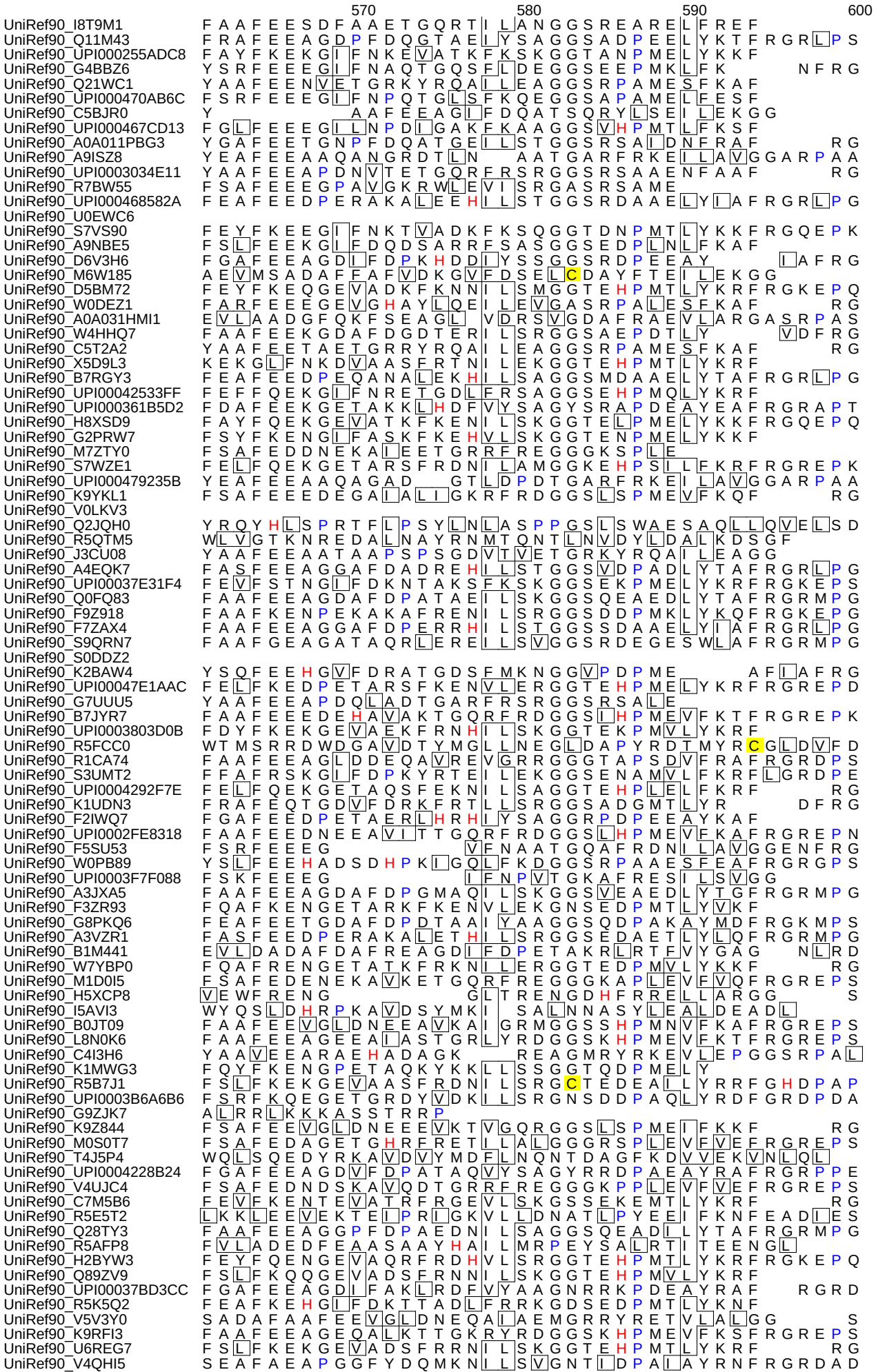

370
380
390
400
UniRef90_I8T9M1
UniRef90_Q11M43
UniRef90_UPI000255ADC8
UniRef90_G4BBZ6
UniRef90_Q21WC1
UniRef90_UPI000470AB6C
UniRef90_C5BJR0
UniRef90_UPI000467CD13
UniRef90_A0A011PBG3
UniRef90_A9ISZ8
UniRef90_UPI0003034E11
UniRef90_R7BW55
UniRef90_UPI000468582A
UniRef90_U0EWC6
UniRef90_S7VS90
UniRef90_A9NBE5
UniRef90_D6V3H6
UniRef90_M6W185
UniRef90_D5BM72
UniRef90_W0DEZ1
UniRef90_A0A031HMI1
UniRef90_W4HHQ7
UniRef90_C5T2A2
UniRef90_X5D9L3
UniRef90_B7RGY3
UniRef90_UPI00042533FF
UniRef90_UPI000361B5D2
UniRef90_H8XSD9
UniRef90_G2PRW7
UniRef90_M7ZTY0
UniRef90_S7WZE1
UniRef90_UPI000479235B
UniRef90_K9YKL1
UniRef90_V0LKV3
UniRef90_Q2JQH0
UniRef90_R5QTM5
UniRef90_J3CU08
UniRef90_A4EQK7
UniRef90_UPI00037E31F4
UniRef90_Q0FQ83
UniRef90_F9Z918
UniRef90_F7ZAX4
UniRef90_S9QRN7
UniRef90_S0DDZ2
UniRef90_K2BAW4
UniRef90_UPI00047E1AAC
UniRef90_G7UUU5
UniRef90_B7JYR7
UniRef90_UPI0003803D0B
UniRef90_R5FCC0
UniRef90_R1CA74
UniRef90_S3UMT2
UniRef90_UPI0004292F7E
UniRef90_K1UDN3
UniRef90_F2IWQ7
UniRef90_UPI0002FE8318
UniRef90_F5SU53
UniRef90_W0PB89
UniRef90_UPI0003F7F088
UniRef90_A3JXA5
UniRef90_F3ZR93
UniRef90_G8PKQ6
UniRef90_A3VZR1
UniRef90_B1M441
UniRef90_W7YBP0
UniRef90_M1D0I5
UniRef90_H5XCP8
UniRef90_I5AVI3
UniRef90_B0JT09
UniRef90_L8N0K6
UniRef90_C4I3H6
UniRef90_K1MWG3
UniRef90_R5B7J1
UniRef90_UPI0003B6A6B6
UniRef90_G9ZJK7
UniRef90_K9Z844
UniRef90_M0S0T7
UniRef90_T4J5P4
UniRef90_UPI0004228B24
UniRef90_V4UJC4
UniRef90_C7M5B6
UniRef90_R5E5T2
UniRef90_Q28TY3
UniRef90_R5AFP8
UniRef90_H2BYW3
UniRef90_Q89ZV9
UniRef90_UPI00037BD3CC
UniRef90_R5K5Q2
UniRef90_V5V3Y0
UniRef90_K9RFI3
UniRef90_U6REG7
UniRef90_V4QHI5


410
420
430
440
UniRef90_I8T9M1
UniRef90_Q11M43
UniRef90_UPI000255ADC8
UniRef90_G4BBZ6
UniRef90_Q21WC1
UniRef90_UPI000470AB6C
UniRef90_C5BJR0
UniRef90_UPI000467CD13
UniRef90_A0A011PBG3
UniRef90_A9ISZ8
UniRef90_UPI0003034E11
UniRef90_R7BW55
UniRef90_UPI000468582A
UniRef90_U0EWC6
UniRef90_S7VS90
UniRef90_A9NBE5
UniRef90_D6V3H6
UniRef90_M6W185
UniRef90_D5BM72
UniRef90_W0DEZ1
UniRef90_A0A031HMI1
UniRef90_W4HHQ7
UniRef90_C5T2A2
UniRef90_X5D9L3
UniRef90_B7RGY3
UniRef90_UPI00042533FF
UniRef90_UPI000361B5D2
UniRef90_H8XSD9
UniRef90_G2PRW7
UniRef90_M7ZTY0
UniRef90_S7WZE1
UniRef90_UPI000479235B
UniRef90_K9YKL1
UniRef90_V0LKV3
UniRef90_Q2JQH0
UniRef90_R5QTM5
UniRef90_J3CU08
UniRef90_A4EQK7
UniRef90_UPI00037E31F4
UniRef90_Q0FQ83
UniRef90_F9Z918
UniRef90_F7ZAX4
UniRef90_S9QRN7
UniRef90_S0DDZ2
UniRef90_K2BAW4
UniRef90_UPI00047E1AAC
UniRef90_G7UUU5
UniRef90_B7JYR7
UniRef90_UPI0003803D0B
UniRef90_R5FCC0
UniRef90_R1CA74
UniRef90_S3UMT2
UniRef90_UPI0004292F7E
UniRef90_K1UDN3
UniRef90_F2IWQ7
UniRef90_UPI0002FE8318
UniRef90_F5SU53
UniRef90_W0PB89
UniRef90_UPI0003F7F088
UniRef90_A3JXA5
UniRef90_F3ZR93
UniRef90_G8PKQ6
UniRef90_A3VZR1
UniRef90_B1M441
UniRef90_W7YBP0
UniRef90_M1D0I5
UniRef90_H5XCP8
UniRef90_I5AVI3
UniRef90_B0JT09
UniRef90_L8N0K6
UniRef90_C4I3H6
UniRef90_K1MWG3
UniRef90_R5B7J1
UniRef90_UPI0003B6A6B6
UniRef90_G9ZJK7
UniRef90_K9Z844
UniRef90_M0S0T7
UniRef90_T4J5P4
UniRef90_UPI0004228B24
UniRef90_V4UJC4
UniRef90_C7M5B6
UniRef90_R5E5T2
UniRef90_Q28TY3
UniRef90_R5AFP8
UniRef90_H2BYW3
UniRef90_Q89ZV9
UniRef90_UPI00037BD3CC
UniRef90_R5K5Q2
UniRef90_V5V3Y0
UniRef90_K9RFI3
UniRef90_U6REG7
UniRef90_V4QHI5

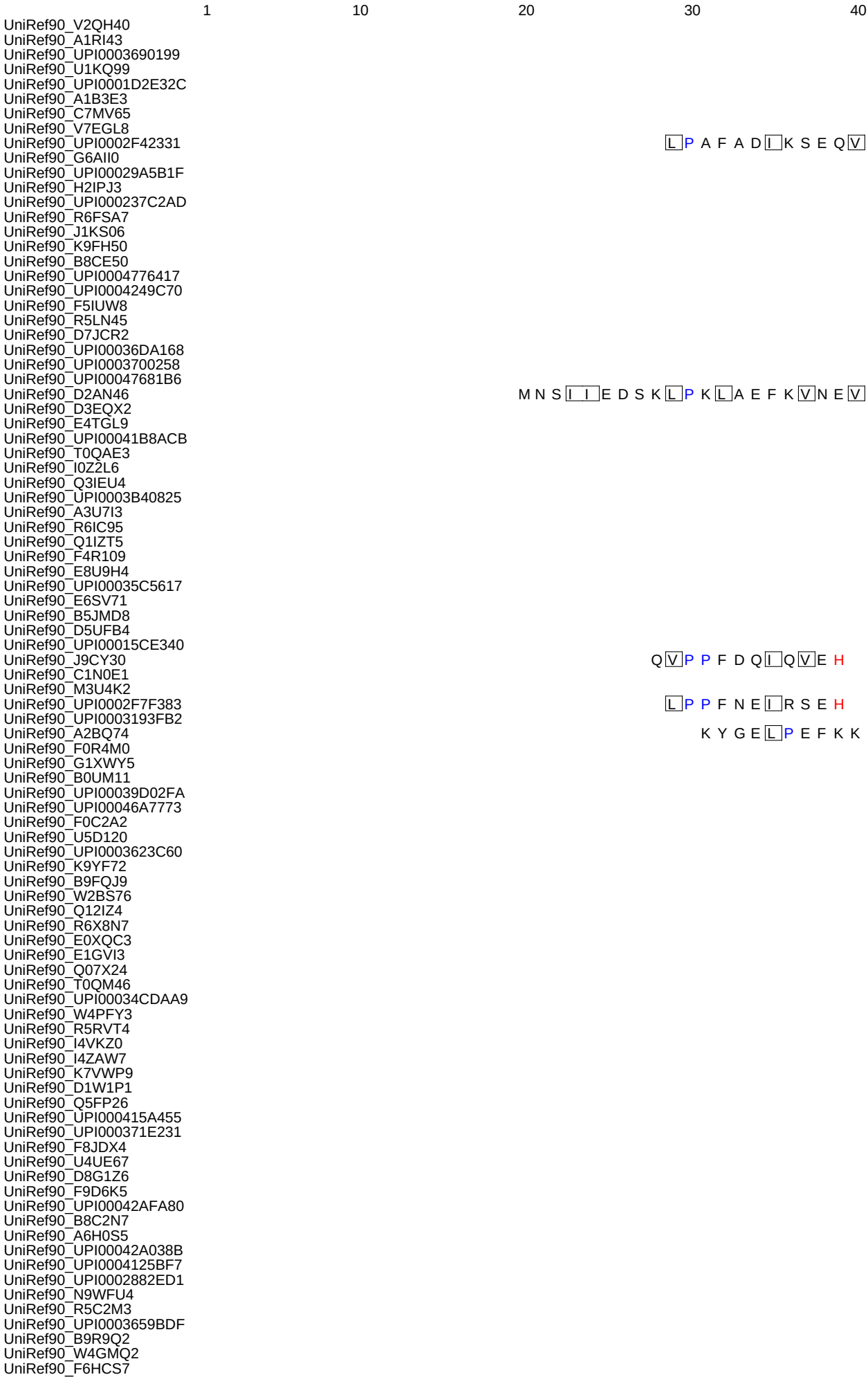

450
460
470
480
UniRef90_I8T9M1
UniRef90_Q11M43
UniRef90_UPI000255ADC8
UniRef90_G4BBZ6
UniRef90_Q21WC1
UniRef90_UPI000470AB6C
UniRef90_C5BJR0
UniRef90_UPI000467CD13
UniRef90_A0A011PBG3
UniRef90_A9ISZ8
UniRef90_UPI0003034E11
UniRef90_R7BW55
UniRef90_UPI000468582A
UniRef90_U0EWC6
UniRef90_S7VS90
UniRef90_A9NBE5
UniRef90_D6V3H6
UniRef90_M6W185
UniRef90_D5BM72
UniRef90_W0DEZ1
UniRef90_A0A031HMI1
UniRef90_W4HHQ7
UniRef90_C5T2A2
UniRef90_X5D9L3
UniRef90_B7RGY3
UniRef90_UPI00042533FF
UniRef90_UPI000361B5D2
UniRef90_H8XSD9
UniRef90_G2PRW7
UniRef90_M7ZTY0
UniRef90_S7WZE1
UniRef90_UPI000479235B
UniRef90_K9YKL1
UniRef90_V0LKV3
UniRef90_Q2JQH0
UniRef90_R5QTM5
UniRef90_J3CU08
UniRef90_A4EQK7
UniRef90_UPI00037E31F4
UniRef90_Q0FQ83
UniRef90_F9Z918
UniRef90_F7ZAX4
UniRef90_S9QRN7
UniRef90_S0DDZ2
UniRef90_K2BAW4
UniRef90_UPI00047E1AAC
UniRef90_G7UUU5
UniRef90_B7JYR7
UniRef90_UPI0003803D0B
UniRef90_R5FCC0
UniRef90_R1CA74
UniRef90_S3UMT2
UniRef90_UPI0004292F7E
UniRef90_K1UDN3
UniRef90_F2IWQ7
UniRef90_UPI0002FE8318
UniRef90_F5SU53
UniRef90_W0PB89
UniRef90_UPI0003F7F088
UniRef90_A3JXA5
UniRef90_F3ZR93
UniRef90_G8PKQ6
UniRef90_A3VZR1
UniRef90_B1M441
UniRef90_W7YBP0
UniRef90_M1D0I5
UniRef90_H5XCP8
UniRef90_I5AVI3
UniRef90_B0JT09
UniRef90_L8N0K6
UniRef90_C4I3H6
UniRef90_K1MWG3
UniRef90_R5B7J1
UniRef90_UPI0003B6A6B6
UniRef90_G9ZJK7
UniRef90_K9Z844
UniRef90_M0S0T7
UniRef90_T4J5P4
UniRef90_UPI0004228B24
UniRef90_V4UJC4
UniRef90_C7M5B6
UniRef90_R5E5T2
UniRef90_Q28TY3
UniRef90_R5AFP8
UniRef90_H2BYW3
UniRef90_Q89ZV9
UniRef90_UPI00037BD3CC
UniRef90_R5K5Q2
UniRef90_V5V3Y0
UniRef90_K9RFI3
UniRef90_U6REG7
UniRef90_V4QHI5


490
500
510
520
UniRef90_I8T9M1
UniRef90_Q11M43
UniRef90_UPI000255ADC8
UniRef90_G4BBZ6
UniRef90_Q21WC1
UniRef90_UPI000470AB6C
UniRef90_C5BJR0
UniRef90_UPI000467CD13
UniRef90_A0A011PBG3
UniRef90_A9ISZ8
UniRef90_UPI0003034E11
UniRef90_R7BW55
UniRef90_UPI000468582A
UniRef90_U0EWC6
UniRef90_S7VS90
UniRef90_A9NBE5
UniRef90_D6V3H6
UniRef90_M6W185
UniRef90_D5BM72
UniRef90_W0DEZ1
UniRef90_A0A031HMI1
UniRef90_W4HHQ7
UniRef90_C5T2A2
UniRef90_X5D9L3
UniRef90_B7RGY3
UniRef90_UPI00042533FF
UniRef90_UPI000361B5D2
UniRef90_H8XSD9
UniRef90_G2PRW7
UniRef90_M7ZTY0
UniRef90_S7WZE1
UniRef90_UPI000479235B
UniRef90_K9YKL1
UniRef90_V0LKV3
UniRef90_Q2JQH0
UniRef90_R5QTM5
UniRef90_J3CU08
UniRef90_A4EQK7
UniRef90_UPI00037E31F4
UniRef90_Q0FQ83
UniRef90_F9Z918
UniRef90_F7ZAX4
UniRef90_S9QRN7
UniRef90_S0DDZ2
UniRef90_K2BAW4
UniRef90_UPI00047E1AAC
UniRef90_G7UUU5
UniRef90_B7JYR7
UniRef90_UPI0003803D0B
UniRef90_R5FCC0
UniRef90_R1CA74
UniRef90_S3UMT2
UniRef90_UPI0004292F7E
UniRef90_K1UDN3
UniRef90_F2IWQ7
UniRef90_UPI0002FE8318
UniRef90_F5SU53
UniRef90_W0PB89
UniRef90_UPI0003F7F088
UniRef90_A3JXA5
UniRef90_F3ZR93
UniRef90_G8PKQ6
UniRef90_A3VZR1
UniRef90_B1M441
UniRef90_W7YBP0
UniRef90_M1D0I5
UniRef90_H5XCP8
UniRef90_I5AVI3
UniRef90_B0JT09
UniRef90_L8N0K6
UniRef90_C4I3H6
UniRef90_K1MWG3
UniRef90_R5B7J1
UniRef90_UPI0003B6A6B6
UniRef90_G9ZJK7
UniRef90_K9Z844
UniRef90_M0S0T7
UniRef90_T4J5P4
UniRef90_UPI0004228B24
UniRef90_V4UJC4
UniRef90_C7M5B6
UniRef90_R5E5T2
UniRef90_Q28TY3
UniRef90_R5AFP8
UniRef90_H2BYW3
UniRef90_Q89ZV9
UniRef90_UPI00037BD3CC
UniRef90_R5K5Q2
UniRef90_V5V3Y0
UniRef90_K9RFI3
UniRef90_U6REG7
UniRef90_V4QHI5

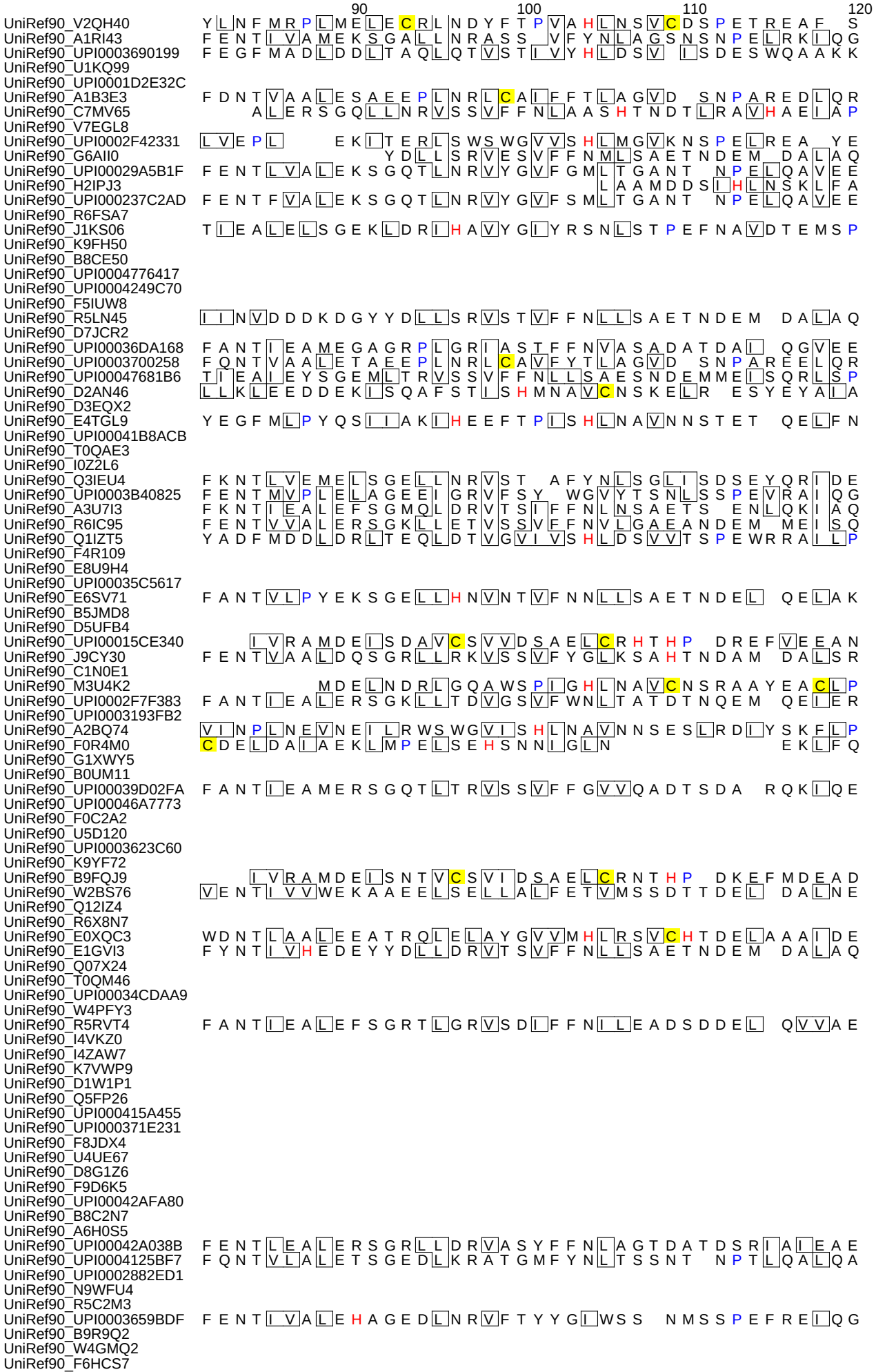

530
540
550
560
UniRef90_I8T9M1
UniRef90_Q11M43
UniRef90_UPI000255ADC8
UniRef90_G4BBZ6
UniRef90_Q21WC1
UniRef90_UPI000470AB6C
UniRef90_C5BJR0
UniRef90_UPI000467CD13
UniRef90_A0A011PBG3
UniRef90_A9ISZ8
UniRef90_UPI0003034E11
UniRef90_R7BW55
UniRef90_UPI000468582A
UniRef90_U0EWC6
UniRef90_S7VS90
UniRef90_A9NBE5
UniRef90_D6V3H6
UniRef90_M6W185
UniRef90_D5BM72
UniRef90_W0DEZ1
UniRef90_A0A031HMI1
UniRef90_W4HHQ7
UniRef90_C5T2A2
UniRef90_X5D9L3
UniRef90_B7RGY3
UniRef90_UPI00042533FF
UniRef90_UPI000361B5D2
UniRef90_H8XSD9
UniRef90_G2PRW7
UniRef90_M7ZTY0
UniRef90_S7WZE1
UniRef90_UPI000479235B
UniRef90_K9YKL1
UniRef90_V0LKV3
UniRef90_Q2JQH0
UniRef90_R5QTM5
UniRef90_J3CU08
UniRef90_A4EQK7
UniRef90_UPI00037E31F4
UniRef90_Q0FQ83
UniRef90_F9Z918
UniRef90_F7ZAX4
UniRef90_S9QRN7
UniRef90_S0DDZ2
UniRef90_K2BAW4
UniRef90_UPI00047E1AAC
UniRef90_G7UUU5
UniRef90_B7JYR7
UniRef90_UPI0003803D0B
UniRef90_R5FCC0
UniRef90_R1CA74
UniRef90_S3UMT2
UniRef90_UPI0004292F7E
UniRef90_K1UDN3
UniRef90_F2IWQ7
UniRef90_UPI0002FE8318
UniRef90_F5SU53
UniRef90_W0PB89
UniRef90_UPI0003F7F088
UniRef90_A3JXA5
UniRef90_F3ZR93
UniRef90_G8PKQ6
UniRef90_A3VZR1
UniRef90_B1M441
UniRef90_W7YBP0
UniRef90_M1D0I5
UniRef90_H5XCP8
UniRef90_I5AVI3
UniRef90_B0JT09
UniRef90_L8N0K6
UniRef90_C4I3H6
UniRef90_K1MWG3
UniRef90_R5B7J1
UniRef90_UPI0003B6A6B6
UniRef90_G9ZJK7
UniRef90_K9Z844
UniRef90_M0S0T7
UniRef90_T4J5P4
UniRef90_UPI0004228B24
UniRef90_V4UJC4
UniRef90_C7M5B6
UniRef90_R5E5T2
UniRef90_Q28TY3
UniRef90_R5AFP8
UniRef90_H2BYW3
UniRef90_Q89ZV9
UniRef90_UPI00037BD3CC
UniRef90_R5K5Q2
UniRef90_V5V3Y0
UniRef90_K9RFI3
UniRef90_U6REG7
UniRef90_V4QHI5

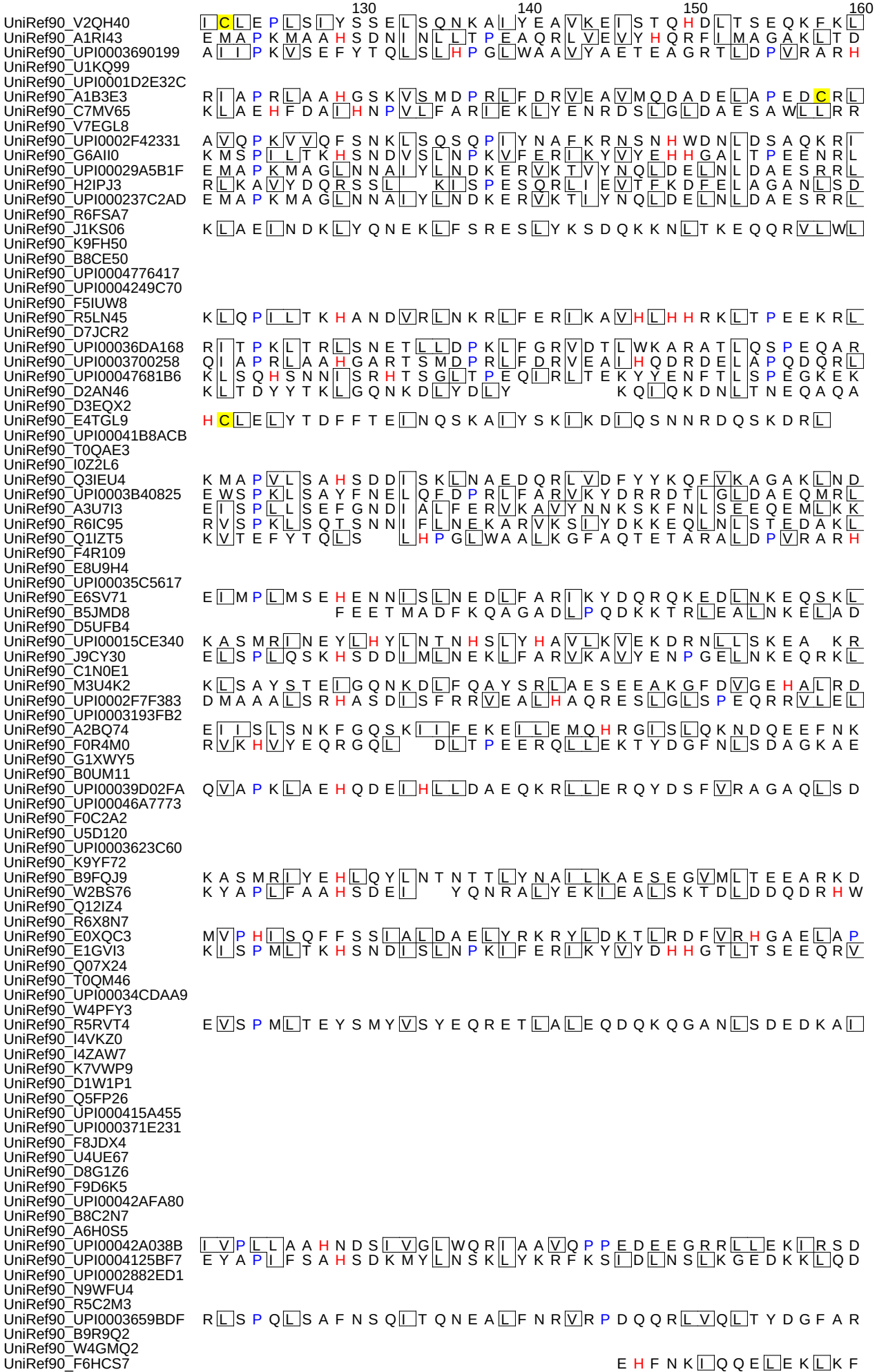

570
580
590
600
UniRef90_I8T9M1
UniRef90_Q11M43
UniRef90_UPI000255ADC8
UniRef90_G4BBZ6
UniRef90_Q21WC1
UniRef90_UPI000470AB6C
UniRef90_C5BJR0
UniRef90_UPI000467CD13
UniRef90_A0A011PBG3
UniRef90_A9ISZ8
UniRef90_UPI0003034E11
UniRef90_R7BW55
UniRef90_UPI000468582A
UniRef90_U0EWC6
UniRef90_S7VS90
UniRef90_A9NBE5
UniRef90_D6V3H6
UniRef90_M6W185
UniRef90_D5BM72
UniRef90_W0DEZ1
UniRef90_A0A031HMI1
UniRef90_W4HHQ7
UniRef90_C5T2A2
UniRef90_X5D9L3
UniRef90_B7RGY3
UniRef90_UPI00042533FF
UniRef90_UPI000361B5D2
UniRef90_H8XSD9
UniRef90_G2PRW7
UniRef90_M7ZTY0
UniRef90_S7WZE1
UniRef90_UPI000479235B
UniRef90_K9YKL1
UniRef90_V0LKV3
UniRef90_Q2JQH0
UniRef90_R5QTM5
UniRef90_J3CU08
UniRef90_A4EQK7
UniRef90_UPI00037E31F4
UniRef90_Q0FQ83
UniRef90_F9Z918
UniRef90_F7ZAX4
UniRef90_S9QRN7
UniRef90_S0DDZ2
UniRef90_K2BAW4
UniRef90_UPI00047E1AAC
UniRef90_G7UUU5
UniRef90_B7JYR7
UniRef90_UPI0003803D0B
UniRef90_R5FCC0
UniRef90_R1CA74
UniRef90_S3UMT2
UniRef90_UPI0004292F7E
UniRef90_K1UDN3
UniRef90_F2IWQ7
UniRef90_UPI0002FE8318
UniRef90_F5SU53
UniRef90_W0PB89
UniRef90_UPI0003F7F088
UniRef90_A3JXA5
UniRef90_F3ZR93
UniRef90_G8PKQ6
UniRef90_A3VZR1
UniRef90_B1M441
UniRef90_W7YBP0
UniRef90_M1D0I5
UniRef90_H5XCP8
UniRef90_I5AVI3
UniRef90_B0JT09
UniRef90_L8N0K6
UniRef90_C4I3H6
UniRef90_K1MWG3
UniRef90_R5B7J1
UniRef90_UPI0003B6A6B6
UniRef90_G9ZJK7
UniRef90_K9Z844
UniRef90_M0S0T7
UniRef90_T4J5P4
UniRef90_UPI0004228B24
UniRef90_V4UJC4
UniRef90_C7M5B6
UniRef90_R5E5T2
UniRef90_Q28TY3
UniRef90_R5AFP8
UniRef90_H2BYW3
UniRef90_Q89ZV9
UniRef90_UPI00037BD3CC
UniRef90_R5K5Q2
UniRef90_V5V3Y0
UniRef90_K9RFI3
UniRef90_U6REG7
UniRef90_V4QHI5

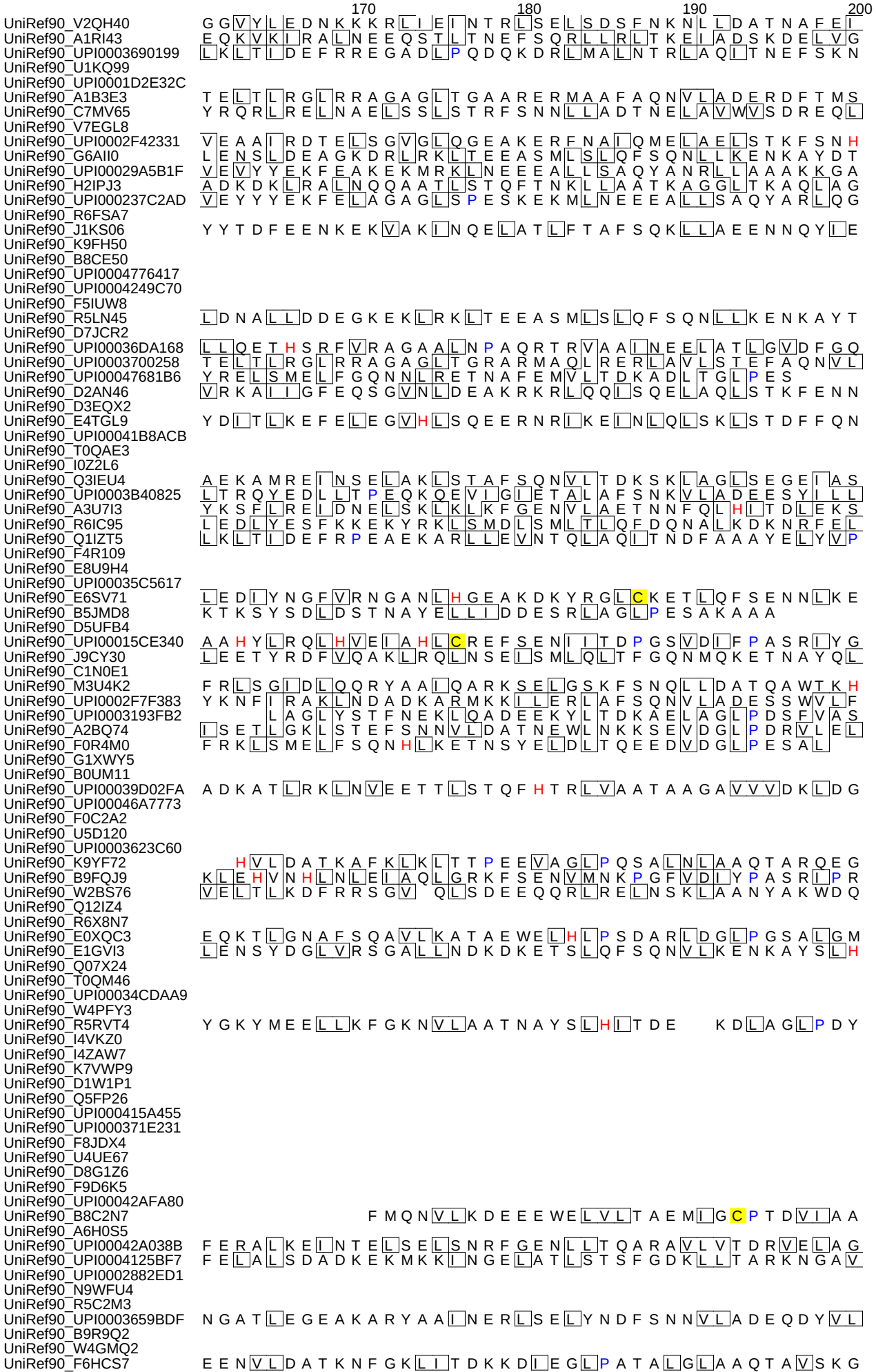
```
                                                  610                 620
UniRef90_I8T9M1
UniRef90_Q11M43          P D A M M E
UniRef90_UPI000255ADC8
UniRef90_G4BBZ6          R E P Q L D A L L R H K G I
UniRef90_Q21WC1
UniRef90_UPI000470AB6C
UniRef90_C5BJR0
UniRef90_UPI000467CD13
UniRef90_A0A011PBG3      R E P Q V D A L L R H R G M I
UniRef90_A9ISZ8          E S F           E A F R G R A P R I D A L L
UniRef90_UPI0003034E11   R A P T V D A L L R H N G M V
UniRef90_R7BW55
UniRef90_UPI000468582A   V E A L L K G
UniRef90_U0EWC6
UniRef90_S7VS90          P E
UniRef90_A9NBE5
UniRef90_D6V3H6          R K P E P D A L L R G R G L L D E S E A
UniRef90_M6W185
UniRef90_D5BM72          P D A L L K R A G L I E K
UniRef90_W0DEZ1          R E P N I D A L L R H S G L
UniRef90_A0A031HMI1      E S F
UniRef90_W4HHQ7          R M P G V E A L
UniRef90_C5T2A2          R E P T L D A L L R H Q G M A D
UniRef90_X5D9L3
UniRef90_B7RGY3          V E A L L K G
UniRef90_UPI00042533FF
UniRef90_UPI000361B5D2   P E P L
UniRef90_H8XSD9          P E
UniRef90_G2PRW7
UniRef90_M7ZTY0
UniRef90_S7WZE1          P D
UniRef90_UPI000479235B   E S F           K A F R G R E P R I D A L L
UniRef90_K9YKL1          R E P Q T E A L L R H S G L L
UniRef90_V0LKV3
UniRef90_Q2JQH0          P E A V L Q G L E E L E H W I
UniRef90_R5QTM5
UniRef90_J3CU08          S R P A M E S F K A F R G R E P S I D A L L
UniRef90_A4EQK7          V E A L L K G
UniRef90_UPI00037E31F4   P D
UniRef90_Q0FQ83          V E A L L K G
UniRef90_F9Z918          I E P L L E
UniRef90_F7ZAX4          V D A L L K G
UniRef90_S9QRN7          V E P L L A G
UniRef90_S0DDZ2
UniRef90_K2BAW4          R E P T I D A L L R L S G I
UniRef90_UPI00047E1AAC   P D
UniRef90_G7UUU5
UniRef90_B7JYR7          T E P L
UniRef90_UPI0003803D0B
UniRef90_R5FCC0          S S E L E A L A G D V R R I
UniRef90_R1CA74          P E P L
UniRef90_S3UMT2          P D A L L K L Y D L V A
UniRef90_UPI0004292F7E   R E P K Q E A L L K R S G L I
UniRef90_K1UDN3          A D P D K R A M L V A C G L M E E L
UniRef90_F2IWQ7
UniRef90_UPI0002FE8318   T E P L
UniRef90_F5SU53          R E A S I D A L L R H G G F V D D
UniRef90_W0PB89          P E         A L L R H S G L V A E
UniRef90_UPI0003F7F088
UniRef90_A3JXA5          V D A L L K G
UniRef90_F3ZR93
UniRef90_G8PKQ6          I E P L L K G
UniRef90_A3VZR1          V E A L L K G
UniRef90_B1M441          P       R E A Y T A F R G R M P S I E P L L K K
UniRef90_W7YBP0          A E P D E K A L L K D R G L I
UniRef90_M1D0I5          P E P L
UniRef90_H5XCP8          K D P M E   S F R T F R G R D P E I E P L L K R
UniRef90_I5AVI3          P N Y I T K G M K K V C G H I E E L
UniRef90_B0JT09          T E P L
UniRef90_L8N0K6          T A P L
UniRef90_C4I3H6          D S F V           A F R G R A P S L D A L L
UniRef90_K1MWG3
UniRef90_R5B7J1          E A L L E K
UniRef90_UPI0003B6A6B6   D A L L R R S
UniRef90_G9ZJK7
UniRef90_K9Z844          R E P K T E A L L R H S G L L
UniRef90_M0S0T7          P E P L
UniRef90_T4J5P4
UniRef90_UPI0004228B24   P E
UniRef90_V4UJC4          P E P L
UniRef90_C7M5B6          K E P S I D A L
UniRef90_R5E5T2          E E F W T N A I E
UniRef90_Q28TY3          V E A L L K G
UniRef90_R5AFP8          R D P I E P G     S I E R L S E E L K R I L R K
UniRef90_H2BYW3          P D
UniRef90_Q89ZV9
UniRef90_UPI00037BD3CC   P E P
UniRef90_R5K5Q2
UniRef90_V5V3Y0          Q P P W K
UniRef90_K9RFI3          T E P L
UniRef90_U6REG7          K E P G I E A L L R R N G I I N
UniRef90_V4QHI5          P K
```

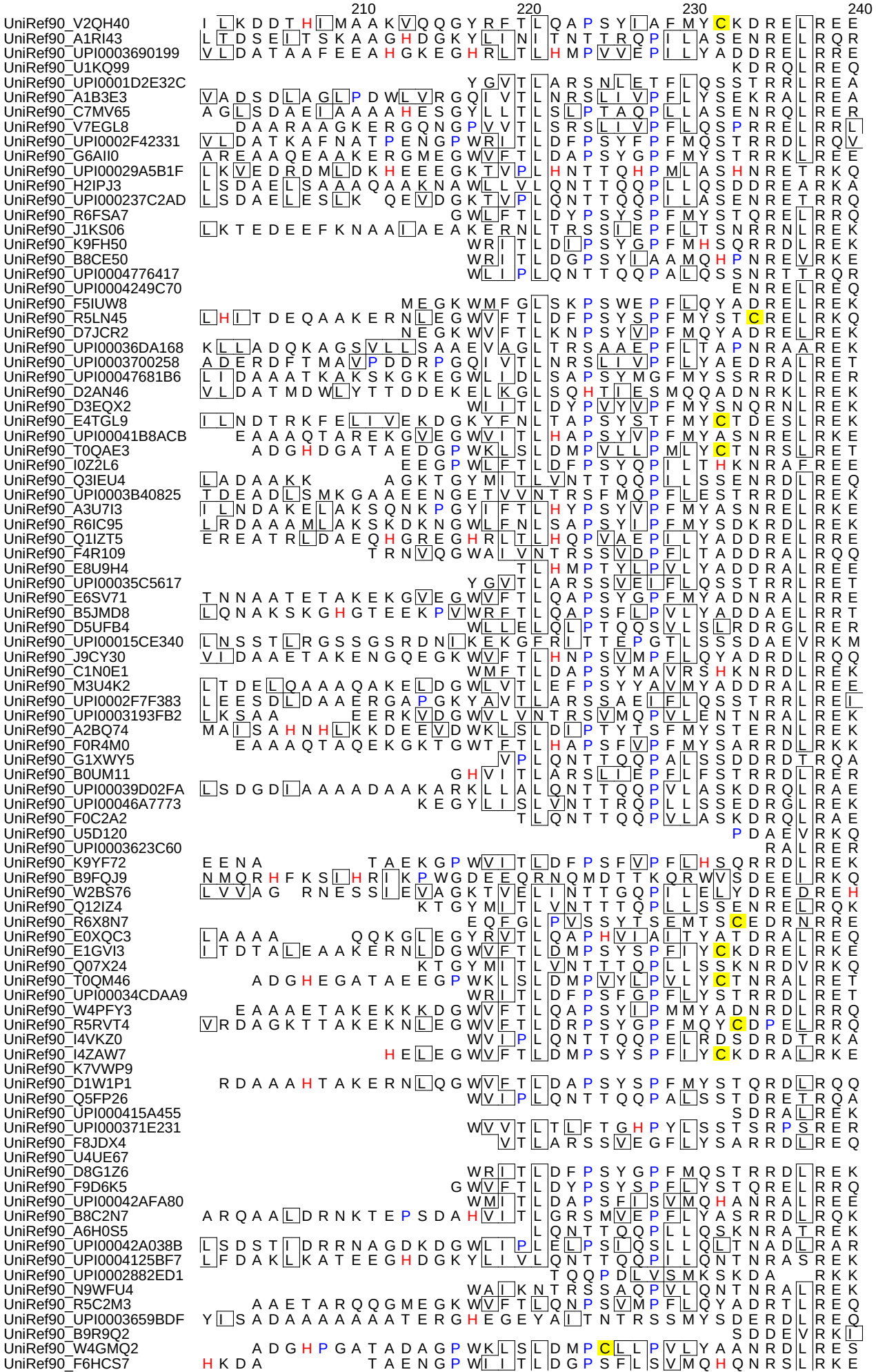

1
10
20
30
40
UniRef90_V2QH40
UniRef90_A1RI43
UniRef90_UPI0003690199
UniRef90_U1KQ99
UniRef90_UPI0001D2E32C
UniRef90_A1B3E3
UniRef90_C7MV65
UniRef90_V7EGL8
UniRef90_UPI0002F42331
L P A F A D I K S E Q V
UniRef90_G6AII0
UniRef90_UPI00029A5B1F
UniRef90_H2IPJ3
UniRef90_UPI000237C2AD
UniRef90_R6FSA7
UniRef90_J1KS06
UniRef90_K9FH50
UniRef90_B8CE50
UniRef90_UPI0004776417
UniRef90_UPI0004249C70
UniRef90_F5IUW8
UniRef90_R5LN45
UniRef90_D7JCR2
UniRef90_UPI00036DA168
UniRef90_UPI0003700258
UniRef90_UPI00047681B6
UniRef90_D2AN46
M N S I I E D S K L P K L A E F K V N E V
UniRef90_D3EQX2
UniRef90_E4TGL9
UniRef90_UPI00041B8ACB
UniRef90_T0QAE3
UniRef90_I0Z2L6
UniRef90_Q3IEU4
UniRef90_UPI0003B40825
UniRef90_A3U7I3
UniRef90_R6IC95
UniRef90_Q1IZT5
UniRef90_F4R109
UniRef90_E8U9H4
UniRef90_UPI00035C5617
UniRef90_E6SV71
UniRef90_B5JMD8
UniRef90_D5UFB4
UniRef90_UPI00015CE340
UniRef90_J9CY30
Q V P P F D Q I Q V E H
UniRef90_C1N0E1
UniRef90_M3U4K2
UniRef90_UPI0002F7F383
L P P F N E I R S E H
UniRef90_UPI0003193FB2
UniRef90_A2BQ74
K Y G E L P E F K K
UniRef90_F0R4M0
UniRef90_G1XWY5
UniRef90_B0UM11
UniRef90_UPI00039D02FA
UniRef90_UPI00046A7773
UniRef90_F0C2A2
UniRef90_U5D120
UniRef90_UPI0003623C60
UniRef90_K9YF72
UniRef90_B9FQJ9
UniRef90_W2BS76
UniRef90_Q12IZ4
UniRef90_R6X8N7
UniRef90_E0XQC3
UniRef90_E1GVI3
UniRef90_Q07X24
UniRef90_T0QM46
UniRef90_UPI00034CDAA9
UniRef90_W4PFY3
UniRef90_R5RVT4
UniRef90_I4VKZ0
UniRef90_I4ZAW7
UniRef90_K7VWP9
UniRef90_D1W1P1
UniRef90_Q5FP26
UniRef90_UPI000415A455
UniRef90_UPI000371E231
UniRef90_F8JDX4
UniRef90_U4UE67
UniRef90_D8G1Z6
UniRef90_F9D6K5
UniRef90_UPI00042AFA80
UniRef90_B8C2N7
UniRef90_A6H0S5
UniRef90_UPI00042A038B
UniRef90_UPI0004125BF7
UniRef90_UPI0002882ED1
UniRef90_N9WFU4
UniRef90_R5C2M3
UniRef90_UPI0003659BDF
UniRef90_B9R9Q2
UniRef90_W4GMQ2
UniRef90_F6HCS7

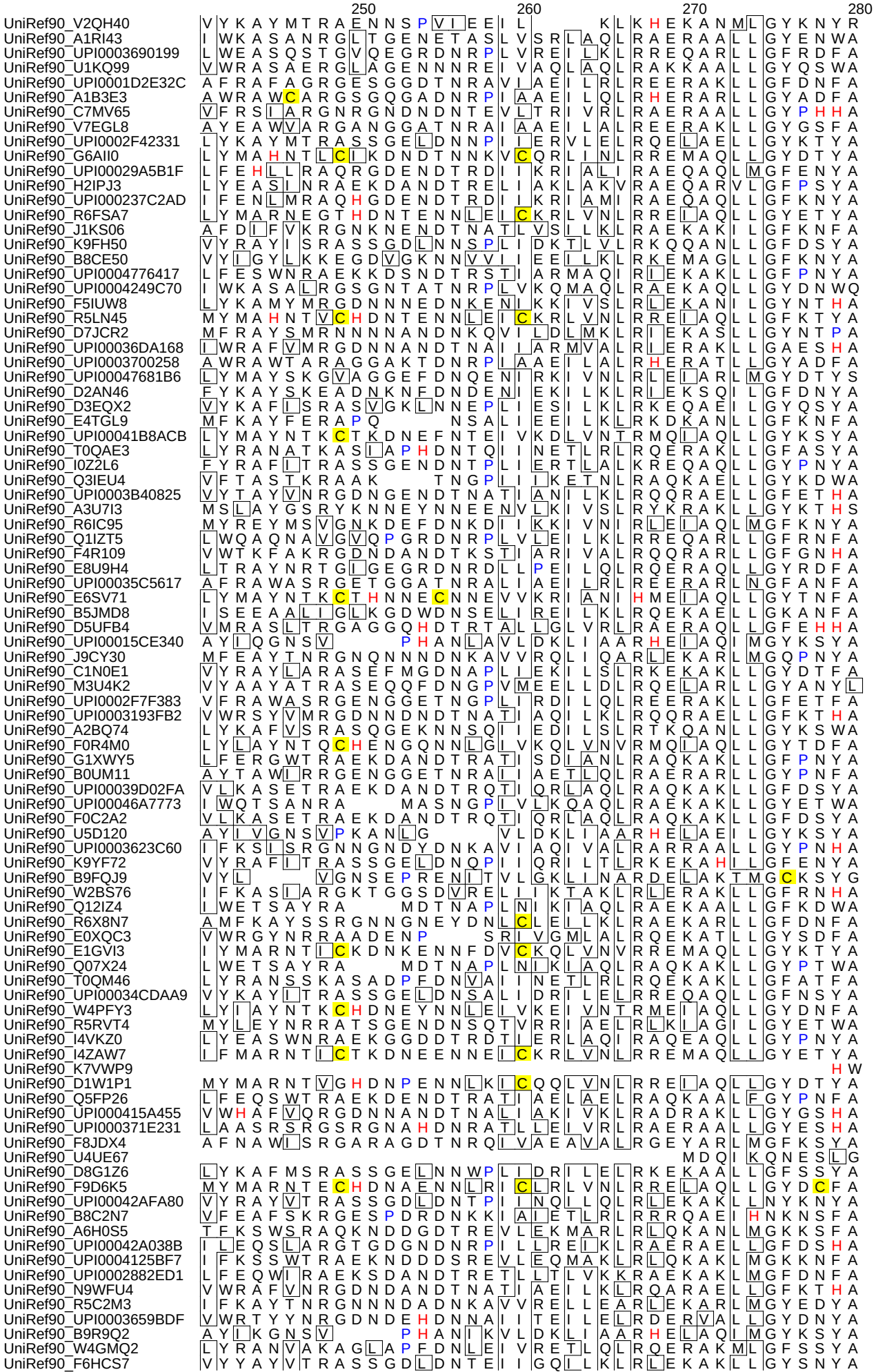
50
60
70
80
UniRef90_V2QH40
UniRef90_A1RI43
UniRef90_UPI0003690199
UniRef90_U1KQ99
UniRef90_UPI0001D2E32C
UniRef90_A1B3E3
UniRef90_C7MV65
UniRef90_V7EGL8
UniRef90_UPI0002F42331
UniRef90_G6AII0
UniRef90_UPI00029A5B1F
UniRef90_H2IPJ3
UniRef90_UPI000237C2AD
UniRef90_R6FSA7
UniRef90_J1KS06
UniRef90_K9FH50
UniRef90_B8CE50
UniRef90_UPI0004776417
UniRef90_UPI0004249C70
UniRef90_F5IUW8
UniRef90_R5LN45
UniRef90_D7JCR2
UniRef90_UPI00036DA168
UniRef90_UPI0003700258
UniRef90_UPI00047681B6
UniRef90_D2AN46
UniRef90_D3EQX2
UniRef90_E4TGL9
UniRef90_UPI00041B8ACB
UniRef90_T0QAE3
UniRef90_I0Z2L6
UniRef90_Q3IEU4
UniRef90_UPI0003B40825
UniRef90_A3U7I3
UniRef90_R6IC95
UniRef90_Q1IZT5
UniRef90_F4R109
UniRef90_E8U9H4
UniRef90_UPI00035C5617
UniRef90_E6SV71
UniRef90_B5JMD8
UniRef90_D5UFB4
UniRef90_UPI00015CE340
UniRef90_J9CY30
UniRef90_C1N0E1
UniRef90_M3U4K2
UniRef90_UPI0002F7F383
UniRef90_UPI0003193FB2
UniRef90_A2BQ74
UniRef90_F0R4M0
UniRef90_G1XWY5
UniRef90_B0UM11
UniRef90_UPI00039D02FA
UniRef90_UPI00046A7773
UniRef90_F0C2A2
UniRef90_U5D120
UniRef90_UPI0003623C60
UniRef90_K9YF72
UniRef90_B9FQJ9
UniRef90_W2BS76
UniRef90_Q12IZ4
UniRef90_R6X8N7
UniRef90_E0XQC3
UniRef90_E1GVI3
UniRef90_Q07X24
UniRef90_T0QM46
UniRef90_UPI00034CDAA9
UniRef90_W4PFY3
UniRef90_R5RVT4
UniRef90_I4VKZ0
UniRef90_I4ZAW7
UniRef90_K7VWP9
UniRef90_D1W1P1
UniRef90_Q5FP26
UniRef90_UPI000415A455
UniRef90_UPI000371E231
UniRef90_F8JDX4
UniRef90_U4UE67
UniRef90_D8G1Z6
UniRef90_F9D6K5
UniRef90_UPI00042AFA80
UniRef90_B8C2N7
UniRef90_A6H0S5
UniRef90_UPI00042A038B
UniRef90_UPI0004125BF7
UniRef90_UPI0002882ED1
UniRef90_N9WFU4
UniRef90_R5C2M3
UniRef90_UPI0003659BDF
UniRef90_B9R9Q2
UniRef90_W4GMQ2
UniRef90_F6HCS7

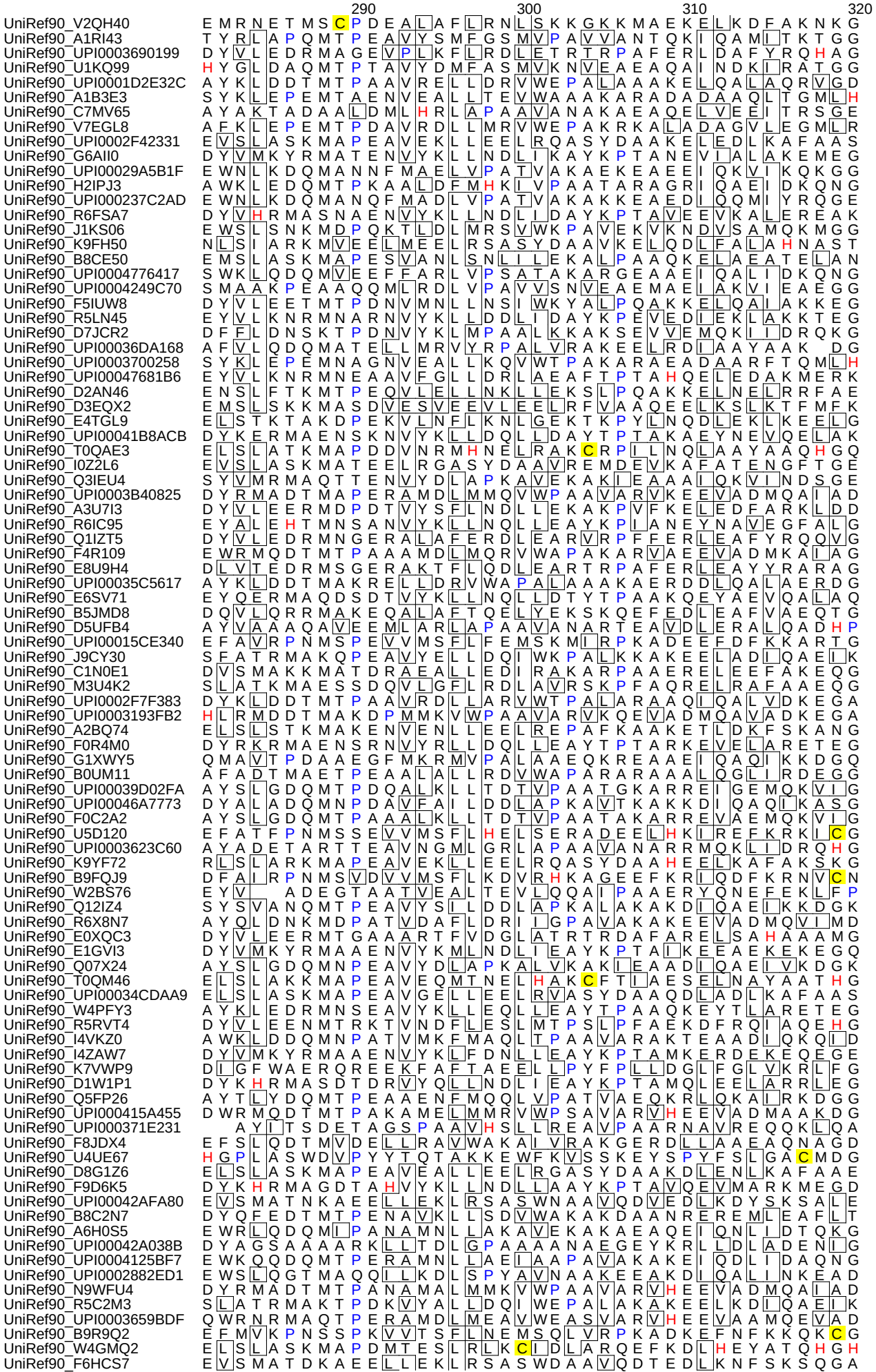

90
100
110
120
UniRef90_V2QH40
UniRef90_A1RI43
UniRef90_UPI0003690199
UniRef90_U1KQ99
UniRef90_UPI0001D2E32C
UniRef90_A1B3E3
UniRef90_C7MV65
UniRef90_V7EGL8
UniRef90_UPI0002F42331
UniRef90_G6AII0
UniRef90_UPI00029A5B1F
UniRef90_H2IPJ3
UniRef90_UPI000237C2AD
UniRef90_R6FSA7
UniRef90_J1KS06
UniRef90_K9FH50
UniRef90_B8CE50
UniRef90_UPI0004776417
UniRef90_UPI0004249C70
UniRef90_F5IUW8
UniRef90_R5LN45
UniRef90_D7JCR2
UniRef90_UPI00036DA168
UniRef90_UPI0003700258
UniRef90_UPI00047681B6
UniRef90_D2AN46
UniRef90_D3EQX2
UniRef90_E4TGL9
UniRef90_UPI00041B8ACB
UniRef90_T0QAE3
UniRef90_I0Z2L6
UniRef90_Q3IEU4
UniRef90_UPI0003B40825
UniRef90_A3U7I3
UniRef90_R6IC95
UniRef90_Q1IZT5
UniRef90_F4R109
UniRef90_E8U9H4
UniRef90_UPI00035C5617
UniRef90_E6SV71
UniRef90_B5JMD8
UniRef90_D5UFB4
UniRef90_UPI00015CE340
UniRef90_J9CY30
UniRef90_C1N0E1
UniRef90_M3U4K2
UniRef90_UPI0002F7F383
UniRef90_UPI0003193FB2
UniRef90_A2BQ74
UniRef90_F0R4M0
UniRef90_G1XWY5
UniRef90_B0UM11
UniRef90_UPI00039D02FA
UniRef90_UPI00046A7773
UniRef90_F0C2A2
UniRef90_U5D120
UniRef90_UPI0003623C60
UniRef90_K9YF72
UniRef90_B9FQJ9
UniRef90_W2BS76
UniRef90_Q12IZ4
UniRef90_R6X8N7
UniRef90_E0XQC3
UniRef90_E1GVI3
UniRef90_Q07X24
UniRef90_T0QM46
UniRef90_UPI00034CDAA9
UniRef90_W4PFY3
UniRef90_R5RVT4
UniRef90_I4VKZ0
UniRef90_I4ZAW7
UniRef90_K7VWP9
UniRef90_D1W1P1
UniRef90_Q5FP26
UniRef90_UPI000415A455
UniRef90_UPI000371E231
UniRef90_F8JDX4
UniRef90_U4UE67
UniRef90_D8G1Z6
UniRef90_F9D6K5
UniRef90_UPI00042AFA80
UniRef90_B8C2N7
UniRef90_A6H0S5
UniRef90_UPI00042A038B
UniRef90_UPI0004125BF7
UniRef90_UPI0002882ED1
UniRef90_N9WFU4
UniRef90_R5C2M3
UniRef90_UPI0003659BDF
UniRef90_B9R9Q2
UniRef90_W4GMQ2
UniRef90_F6HCS7

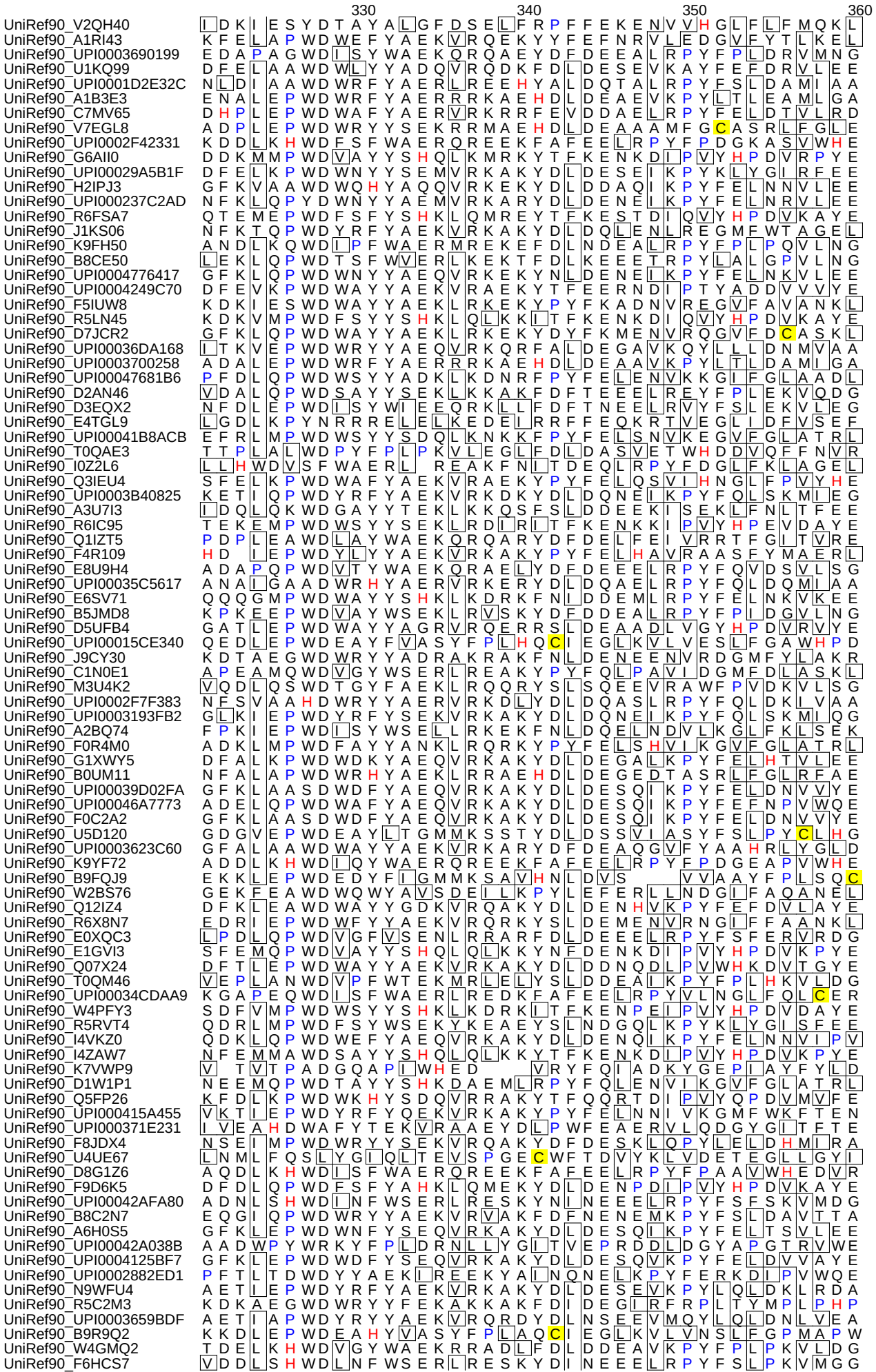

130
140
150
160
UniRef90_V2QH40
UniRef90_A1RI43
UniRef90_UPI0003690199
UniRef90_U1KQ99
UniRef90_UPI0001D2E32C
UniRef90_A1B3E3
UniRef90_C7MV65
UniRef90_V7EGL8
UniRef90_UPI0002F42331
UniRef90_G6AII0
UniRef90_UPI00029A5B1F
UniRef90_H2IPJ3
UniRef90_UPI000237C2AD
UniRef90_R6FSA7
UniRef90_J1KS06
UniRef90_K9FH50
UniRef90_B8CE50
UniRef90_UPI0004776417
UniRef90_UPI0004249C70
UniRef90_F5IUW8
UniRef90_R5LN45
UniRef90_D7JCR2
UniRef90_UPI00036DA168
UniRef90_UPI0003700258
UniRef90_UPI00047681B6
UniRef90_D2AN46
UniRef90_D3EQX2
UniRef90_E4TGL9
UniRef90_UPI00041B8ACB
UniRef90_T0QAE3
UniRef90_I0Z2L6
UniRef90_Q3IEU4
UniRef90_UPI0003B40825
UniRef90_A3U7I3
UniRef90_R6IC95
UniRef90_Q1IZT5
UniRef90_F4R109
UniRef90_E8U9H4
UniRef90_UPI00035C5617
UniRef90_E6SV71
UniRef90_B5JMD8
UniRef90_D5UFB4
UniRef90_UPI00015CE340
UniRef90_J9CY30
UniRef90_C1N0E1
UniRef90_M3U4K2
UniRef90_UPI0002F7F383
UniRef90_UPI0003193FB2
UniRef90_A2BQ74
UniRef90_F0R4M0
UniRef90_G1XWY5
UniRef90_B0UM11
UniRef90_UPI00039D02FA
UniRef90_UPI00046A7773
UniRef90_F0C2A2
UniRef90_U5D120
UniRef90_UPI0003623C60
UniRef90_K9YF72
UniRef90_B9FQJ9
UniRef90_W2BS76
UniRef90_Q12IZ4
UniRef90_R6X8N7
UniRef90_E0XQC3
UniRef90_E1GVI3
UniRef90_Q07X24
UniRef90_T0QM46
UniRef90_UPI00034CDAA9
UniRef90_W4PFY3
UniRef90_R5RVT4
UniRef90_I4VKZ0
UniRef90_I4ZAW7
UniRef90_K7VWP9
UniRef90_D1W1P1
UniRef90_Q5FP26
UniRef90_UPI000415A455
UniRef90_UPI000371E231
UniRef90_F8JDX4
UniRef90_U4UE67
UniRef90_D8G1Z6
UniRef90_F9D6K5
UniRef90_UPI00042AFA80
UniRef90_B8C2N7
UniRef90_A6H0S5
UniRef90_UPI00042A038B
UniRef90_UPI0004125BF7
UniRef90_UPI0002882ED1
UniRef90_N9WFU4
UniRef90_R5C2M3
UniRef90_UPI0003659BDF
UniRef90_B9R9Q2
UniRef90_W4GMQ2
UniRef90_F6HCS7

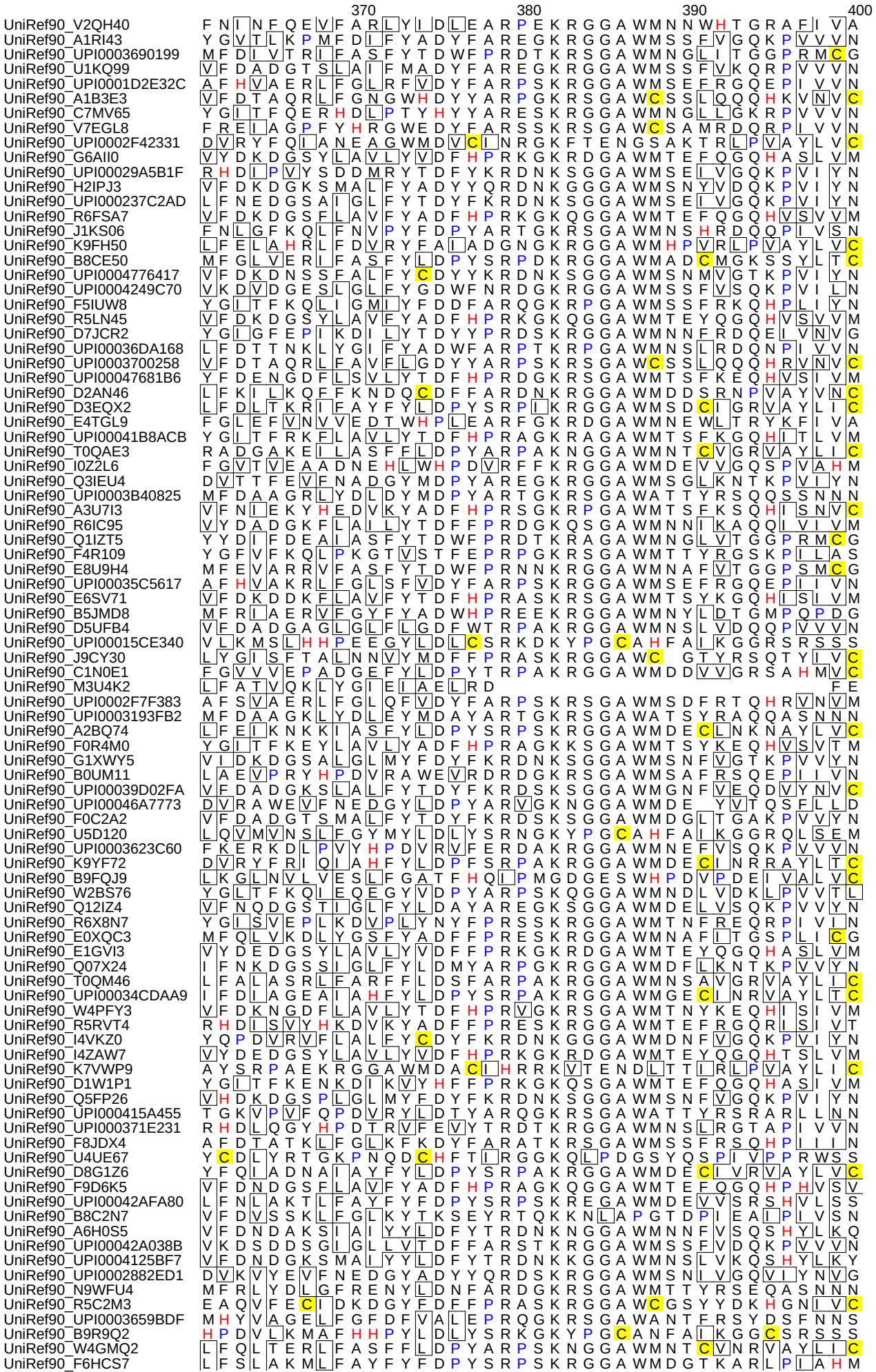

170
180
190
200
UniRef90_V2QH40
UniRef90_A1RI43
UniRef90_UPI0003690199
UniRef90_U1KQ99
UniRef90_UPI0001D2E32C
UniRef90_A1B3E3
UniRef90_C7MV65
UniRef90_V7EGL8
UniRef90_UPI0002F42331
UniRef90_G6AII0
UniRef90_UPI00029A5B1F
UniRef90_H2IPJ3
UniRef90_UPI000237C2AD
UniRef90_R6FSA7
UniRef90_J1KS06
UniRef90_K9FH50
UniRef90_B8CE50
UniRef90_UPI0004776417
UniRef90_UPI0004249C70
UniRef90_F5IUW8
UniRef90_R5LN45
UniRef90_D7JCR2
UniRef90_UPI00036DA168
UniRef90_UPI0003700258
UniRef90_UPI00047681B6
UniRef90_D2AN46
UniRef90_D3EQX2
UniRef90_E4TGL9
UniRef90_UPI00041B8ACB
UniRef90_T0QAE3
UniRef90_I0Z2L6
UniRef90_Q3IEU4
UniRef90_UPI0003B40825
UniRef90_A3U7I3
UniRef90_R6IC95
UniRef90_Q1IZT5
UniRef90_F4R109
UniRef90_E8U9H4
UniRef90_UPI00035C5617
UniRef90_E6SV71
UniRef90_B5JMD8
UniRef90_D5UFB4
UniRef90_UPI00015CE340
UniRef90_J9CY30
UniRef90_C1N0E1
UniRef90_M3U4K2
UniRef90_UPI0002F7F383
UniRef90_UPI0003193FB2
UniRef90_A2BQ74
UniRef90_F0R4M0
UniRef90_G1XWY5
UniRef90_B0UM11
UniRef90_UPI00039D02FA
UniRef90_UPI00046A7773
UniRef90_F0C2A2
UniRef90_U5D120
UniRef90_UPI0003623C60
UniRef90_K9YF72
UniRef90_B9FQJ9
UniRef90_W2BS76
UniRef90_Q12IZ4
UniRef90_R6X8N7
UniRef90_E0XQC3
UniRef90_E1GVI3
UniRef90_Q07X24
UniRef90_T0QM46
UniRef90_UPI00034CDAA9
UniRef90_W4PFY3
UniRef90_R5RVT4
UniRef90_I4VKZ0
UniRef90_I4ZAW7
UniRef90_K7VWP9
UniRef90_D1W1P1
UniRef90_Q5FP26
UniRef90_UPI000415A455
UniRef90_UPI000371E231
UniRef90_F8JDX4
UniRef90_U4UE67
UniRef90_D8G1Z6
UniRef90_F9D6K5
UniRef90_UPI00042AFA80
UniRef90_B8C2N7
UniRef90_A6H0S5
UniRef90_UPI00042A038B
UniRef90_UPI0004125BF7
UniRef90_UPI0002882ED1
UniRef90_N9WFU4
UniRef90_R5C2M3
UniRef90_UPI0003659BDF
UniRef90_B9R9Q2
UniRef90_W4GMQ2
UniRef90_F6HCS7

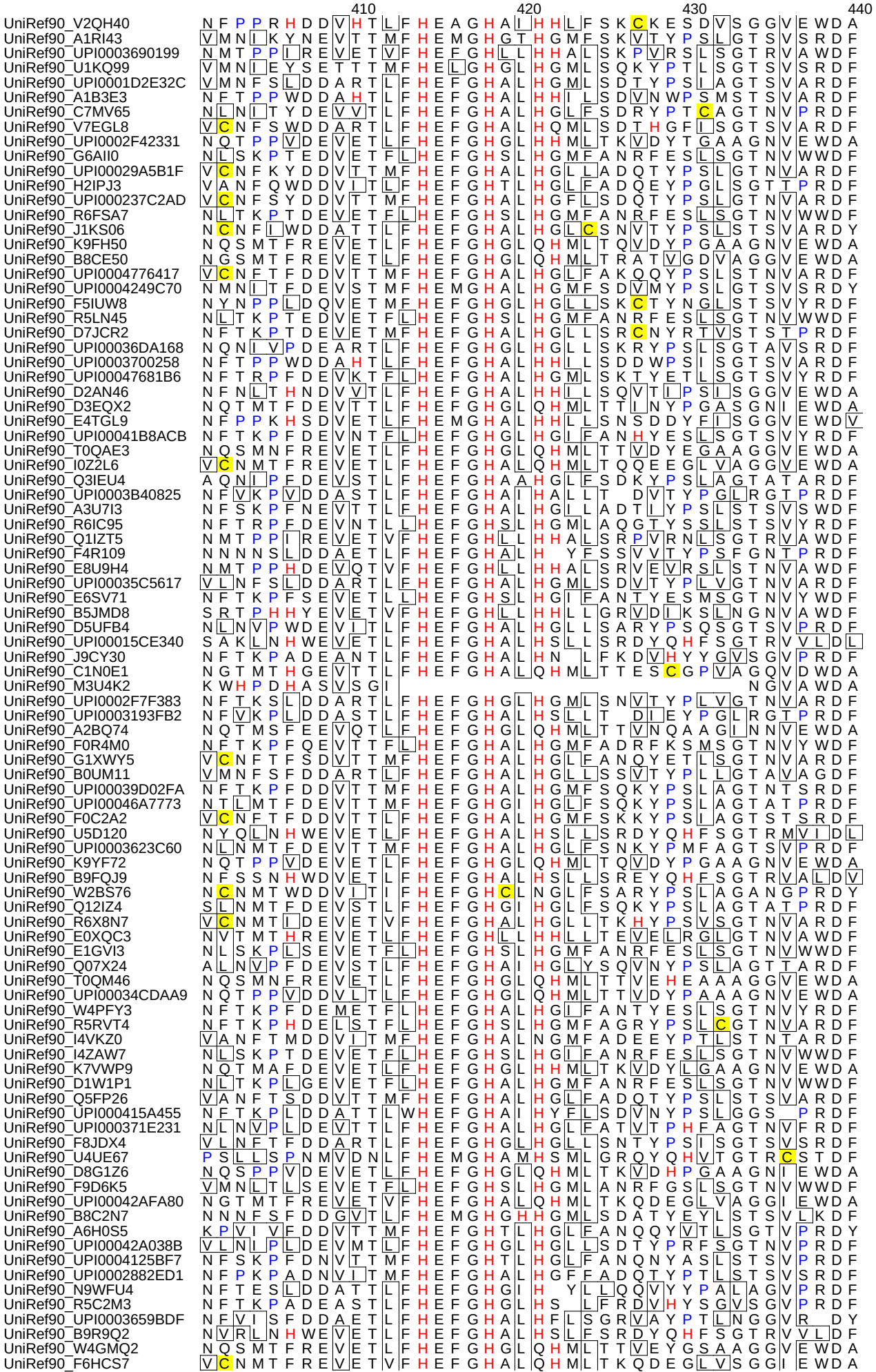

210
220
230
240
UniRef90_V2QH40
UniRef90_A1RI43
UniRef90_UPI0003690199
UniRef90_U1KQ99
UniRef90_UPI0001D2E32C
UniRef90_A1B3E3
UniRef90_C7MV65
UniRef90_V7EGL8
UniRef90_UPI0002F42331
UniRef90_G6AII0
UniRef90_UPI00029A5B1F
UniRef90_H2IPJ3
UniRef90_UPI000237C2AD
UniRef90_R6FSA7
UniRef90_J1KS06
UniRef90_K9FH50
UniRef90_B8CE50
UniRef90_UPI0004776417
UniRef90_UPI0004249C70
UniRef90_F5IUW8
UniRef90_R5LN45
UniRef90_D7JCR2
UniRef90_UPI00036DA168
UniRef90_UPI0003700258
UniRef90_UPI00047681B6
UniRef90_D2AN46
UniRef90_D3EQX2
UniRef90_E4TGL9
UniRef90_UPI00041B8ACB
UniRef90_T0QAE3
UniRef90_I0Z2L6
UniRef90_Q3IEU4
UniRef90_UPI0003B40825
UniRef90_A3U7I3
UniRef90_R6IC95
UniRef90_Q1IZT5
UniRef90_F4R109
UniRef90_E8U9H4
UniRef90_UPI00035C5617
UniRef90_E6SV71
UniRef90_B5JMD8
UniRef90_D5UFB4
UniRef90_UPI00015CE340
UniRef90_J9CY30
UniRef90_C1N0E1
UniRef90_M3U4K2
UniRef90_UPI0002F7F383
UniRef90_UPI0003193FB2
UniRef90_A2BQ74
UniRef90_F0R4M0
UniRef90_G1XWY5
UniRef90_B0UM11
UniRef90_UPI00039D02FA
UniRef90_UPI00046A7773
UniRef90_F0C2A2
UniRef90_U5D120
UniRef90_UPI0003623C60
UniRef90_K9YF72
UniRef90_B9FQJ9
UniRef90_W2BS76
UniRef90_Q12IZ4
UniRef90_R6X8N7
UniRef90_E0XQC3
UniRef90_E1GVI3
UniRef90_Q07X24
UniRef90_T0QM46
UniRef90_UPI00034CDAA9
UniRef90_W4PFY3
UniRef90_R5RVT4
UniRef90_I4VKZ0
UniRef90_I4ZAW7
UniRef90_K7VWP9
UniRef90_D1W1P1
UniRef90_Q5FP26
UniRef90_UPI000415A455
UniRef90_UPI000371E231
UniRef90_F8JDX4
UniRef90_U4UE67
UniRef90_D8G1Z6
UniRef90_F9D6K5
UniRef90_UPI00042AFA80
UniRef90_B8C2N7
UniRef90_A6H0S5
UniRef90_UPI00042A038B
UniRef90_UPI0004125BF7
UniRef90_UPI0002882ED1
UniRef90_N9WFU4
UniRef90_R5C2M3
UniRef90_UPI0003659BDF
UniRef90_B9R9Q2
UniRef90_W4GMQ2
UniRef90_F6HCS7

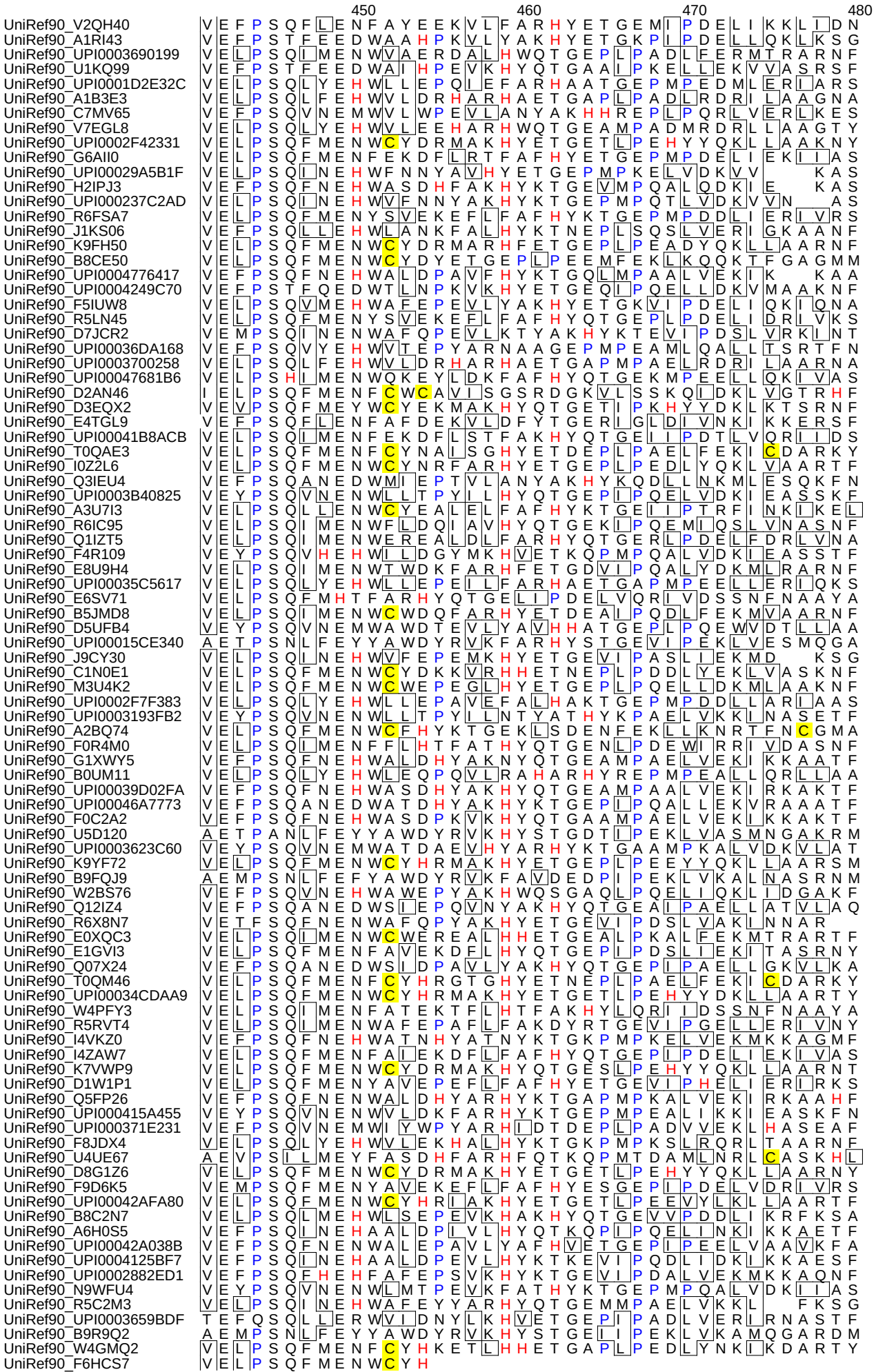

250
260
270
280
UniRef90_V2QH40
UniRef90_A1RI43
UniRef90_UPI0003690199
UniRef90_U1KQ99
UniRef90_UPI0001D2E32C
UniRef90_A1B3E3
UniRef90_C7MV65
UniRef90_V7EGL8
UniRef90_UPI0002F42331
UniRef90_G6AII0
UniRef90_UPI00029A5B1F
UniRef90_H2IPJ3
UniRef90_UPI000237C2AD
UniRef90_R6FSA7
UniRef90_J1KS06
UniRef90_K9FH50
UniRef90_B8CE50
UniRef90_UPI0004776417
UniRef90_UPI0004249C70
UniRef90_F5IUW8
UniRef90_R5LN45
UniRef90_D7JCR2
UniRef90_UPI00036DA168
UniRef90_UPI0003700258
UniRef90_UPI00047681B6
UniRef90_D2AN46
UniRef90_D3EQX2
UniRef90_E4TGL9
UniRef90_UPI00041B8ACB
UniRef90_T0QAE3
UniRef90_I0Z2L6
UniRef90_Q3IEU4
UniRef90_UPI0003B40825
UniRef90_A3U7I3
UniRef90_R6IC95
UniRef90_Q1IZT5
UniRef90_F4R109
UniRef90_E8U9H4
UniRef90_UPI00035C5617
UniRef90_E6SV71
UniRef90_B5JMD8
UniRef90_D5UFB4
UniRef90_UPI00015CE340
UniRef90_J9CY30
UniRef90_C1N0E1
UniRef90_M3U4K2
UniRef90_UPI0002F7F383
UniRef90_UPI0003193FB2
UniRef90_A2BQ74
UniRef90_F0R4M0
UniRef90_G1XWY5
UniRef90_B0UM11
UniRef90_UPI00039D02FA
UniRef90_UPI00046A7773
UniRef90_F0C2A2
UniRef90_U5D120
UniRef90_UPI0003623C60
UniRef90_K9YF72
UniRef90_B9FQJ9
UniRef90_W2BS76
UniRef90_Q12IZ4
UniRef90_R6X8N7
UniRef90_E0XQC3
UniRef90_E1GVI3
UniRef90_Q07X24
UniRef90_T0QM46
UniRef90_UPI00034CDAA9
UniRef90_W4PFY3
UniRef90_R5RVT4
UniRef90_I4VKZ0
UniRef90_I4ZAW7
UniRef90_K7VWP9
UniRef90_D1W1P1
UniRef90_Q5FP26
UniRef90_UPI000415A455
UniRef90_UPI000371E231
UniRef90_F8JDX4
UniRef90_U4UE67
UniRef90_D8G1Z6
UniRef90_F9D6K5
UniRef90_UPI00042AFA80
UniRef90_B8C2N7
UniRef90_A6H0S5
UniRef90_UPI00042A038B
UniRef90_UPI0004125BF7
UniRef90_UPI0002882ED1
UniRef90_N9WFU4
UniRef90_R5C2M3
UniRef90_UPI0003659BDF
UniRef90_B9R9Q2
UniRef90_W4GMQ2
UniRef90_F6HCS7

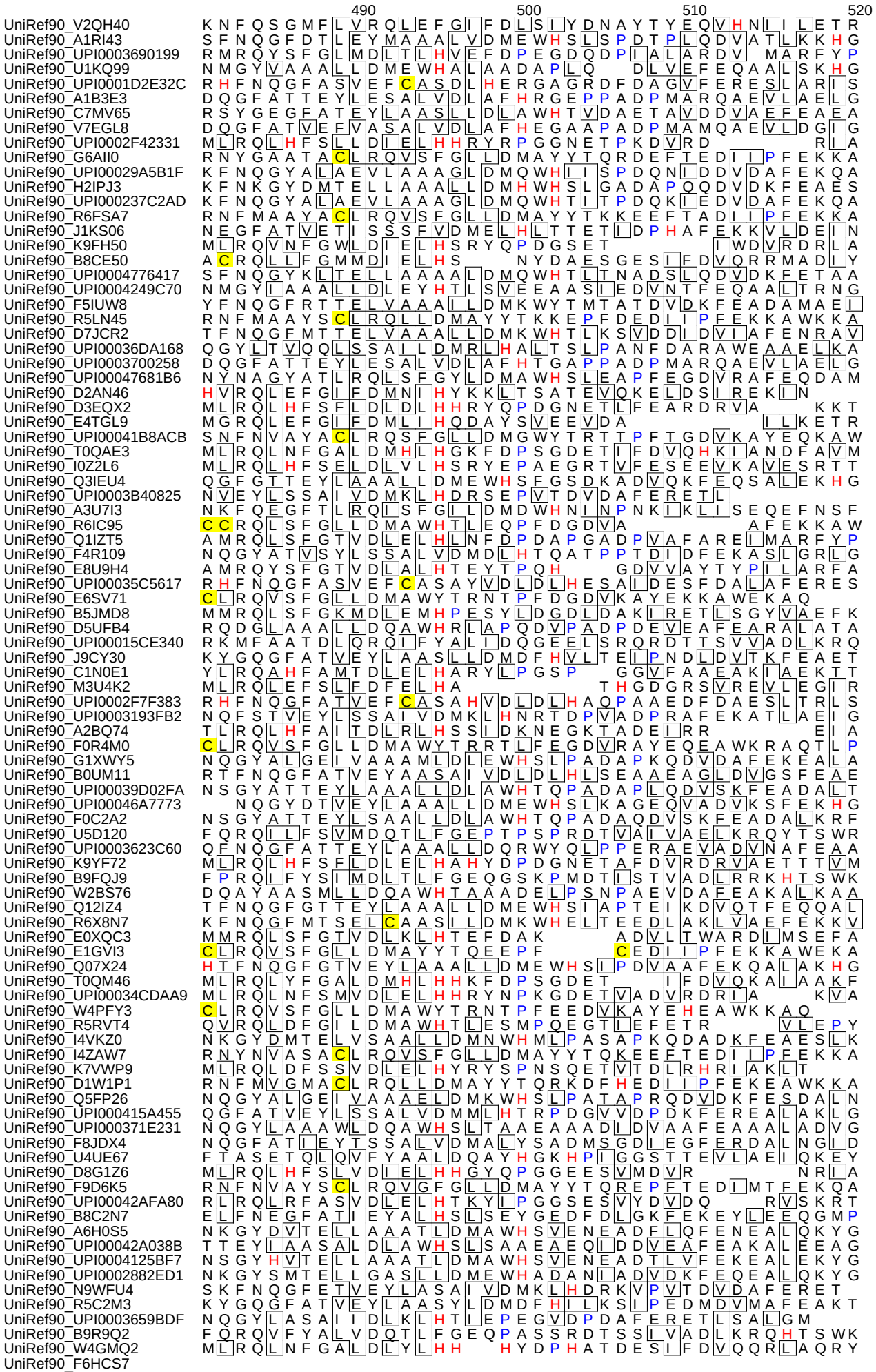

290
300
310
320
UniRef90_V2QH40
UniRef90_A1RI43
UniRef90_UPI0003690199
UniRef90_U1KQ99
UniRef90_UPI0001D2E32C
UniRef90_A1B3E3
UniRef90_C7MV65
UniRef90_V7EGL8
UniRef90_UPI0002F42331
UniRef90_G6AII0
UniRef90_UPI00029A5B1F
UniRef90_H2IPJ3
UniRef90_UPI000237C2AD
UniRef90_R6FSA7
UniRef90_J1KS06
UniRef90_K9FH50
UniRef90_B8CE50
UniRef90_UPI0004776417
UniRef90_UPI0004249C70
UniRef90_F5IUW8
UniRef90_R5LN45
UniRef90_D7JCR2
UniRef90_UPI00036DA168
UniRef90_UPI0003700258
UniRef90_UPI00047681B6
UniRef90_D2AN46
UniRef90_D3EQX2
UniRef90_E4TGL9
UniRef90_UPI00041B8ACB
UniRef90_T0QAE3
UniRef90_I0Z2L6
UniRef90_Q3IEU4
UniRef90_UPI0003B40825
UniRef90_A3U7I3
UniRef90_R6IC95
UniRef90_Q1IZT5
UniRef90_F4R109
UniRef90_E8U9H4
UniRef90_UPI00035C5617
UniRef90_E6SV71
UniRef90_B5JMD8
UniRef90_D5UFB4
UniRef90_UPI00015CE340
UniRef90_J9CY30
UniRef90_C1N0E1
UniRef90_M3U4K2
UniRef90_UPI0002F7F383
UniRef90_UPI0003193FB2
UniRef90_A2BQ74
UniRef90_F0R4M0
UniRef90_G1XWY5
UniRef90_B0UM11
UniRef90_UPI00039D02FA
UniRef90_UPI00046A7773
UniRef90_F0C2A2
UniRef90_U5D120
UniRef90_UPI0003623C60
UniRef90_K9YF72
UniRef90_B9FQJ9
UniRef90_W2BS76
UniRef90_Q12IZ4
UniRef90_R6X8N7
UniRef90_E0XQC3
UniRef90_E1GVI3
UniRef90_Q07X24
UniRef90_T0QM46
UniRef90_UPI00034CDAA9
UniRef90_W4PFY3
UniRef90_R5RVT4
UniRef90_I4VKZ0
UniRef90_I4ZAW7
UniRef90_K7VWP9
UniRef90_D1W1P1
UniRef90_Q5FP26
UniRef90_UPI000415A455
UniRef90_UPI000371E231
UniRef90_F8JDX4
UniRef90_U4UE67
UniRef90_D8G1Z6
UniRef90_F9D6K5
UniRef90_UPI00042AFA80
UniRef90_B8C2N7
UniRef90_A6H0S5
UniRef90_UPI00042A038B
UniRef90_UPI0004125BF7
UniRef90_UPI0002882ED1
UniRef90_N9WFU4
UniRef90_R5C2M3
UniRef90_UPI0003659BDF
UniRef90_B9R9Q2
UniRef90_W4GMQ2
UniRef90_F6HCS7

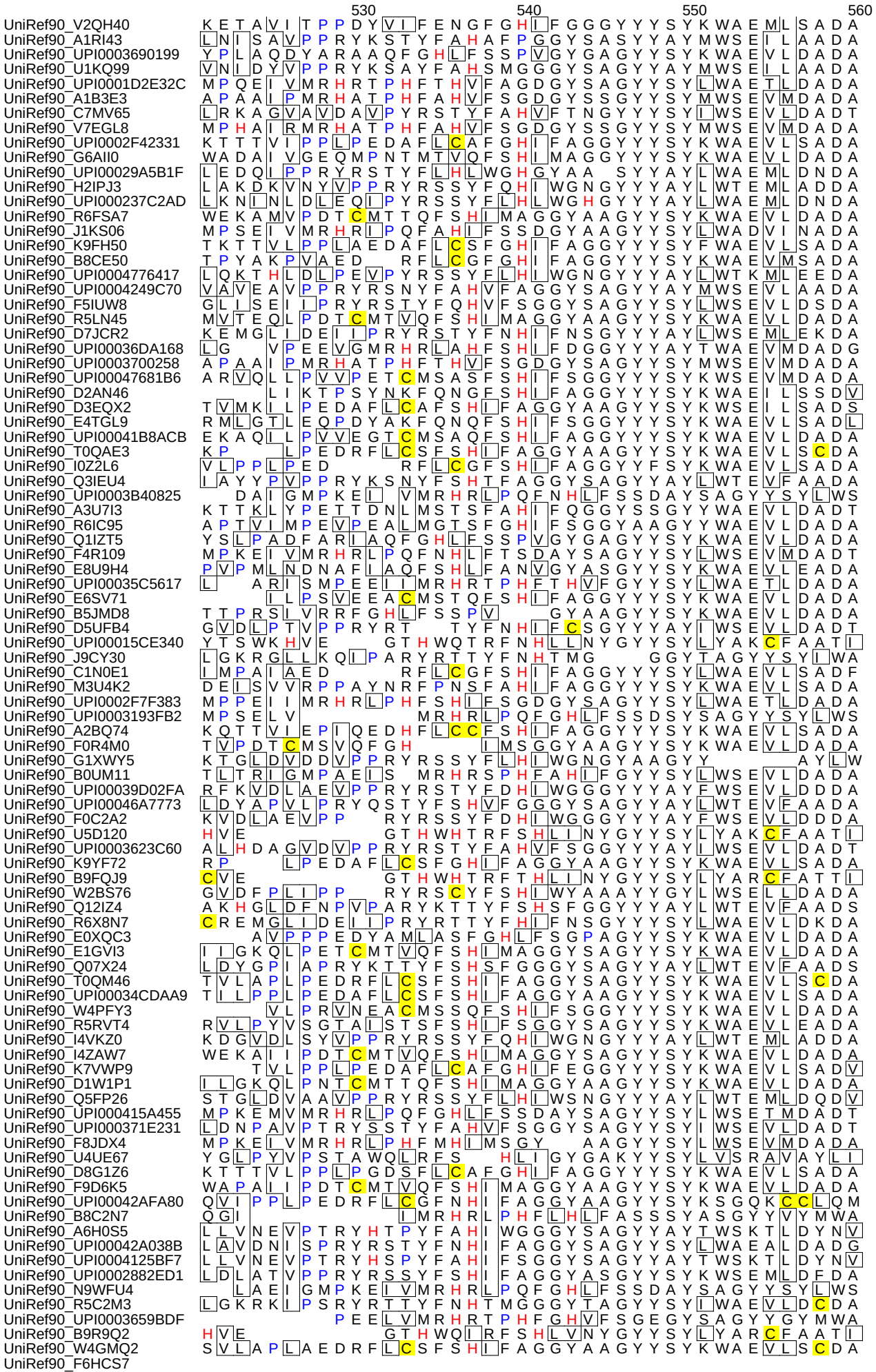

330
340
350
360
UniRef90_V2QH40
UniRef90_A1RI43
UniRef90_UPI0003690199
UniRef90_U1KQ99
UniRef90_UPI0001D2E32C
UniRef90_A1B3E3
UniRef90_C7MV65
UniRef90_V7EGL8
UniRef90_UPI0002F42331
UniRef90_G6AII0
UniRef90_UPI00029A5B1F
UniRef90_H2IPJ3
UniRef90_UPI000237C2AD
UniRef90_R6FSA7
UniRef90_J1KS06
UniRef90_K9FH50
UniRef90_B8CE50
UniRef90_UPI0004776417
UniRef90_UPI0004249C70
UniRef90_F5IUW8
UniRef90_R5LN45
UniRef90_D7JCR2
UniRef90_UPI00036DA168
UniRef90_UPI0003700258
UniRef90_UPI00047681B6
UniRef90_D2AN46
UniRef90_D3EQX2
UniRef90_E4TGL9
UniRef90_UPI00041B8ACB
UniRef90_T0QAE3
UniRef90_I0Z2L6
UniRef90_Q3IEU4
UniRef90_UPI0003B40825
UniRef90_A3U7I3
UniRef90_R6IC95
UniRef90_Q1IZT5
UniRef90_F4R109
UniRef90_E8U9H4
UniRef90_UPI00035C5617
UniRef90_E6SV71
UniRef90_B5JMD8
UniRef90_D5UFB4
UniRef90_UPI00015CE340
UniRef90_J9CY30
UniRef90_C1N0E1
UniRef90_M3U4K2
UniRef90_UPI0002F7F383
UniRef90_UPI0003193FB2
UniRef90_A2BQ74
UniRef90_F0R4M0
UniRef90_G1XWY5
UniRef90_B0UM11
UniRef90_UPI00039D02FA
UniRef90_UPI00046A7773
UniRef90_F0C2A2
UniRef90_U5D120
UniRef90_UPI0003623C60
UniRef90_K9YF72
UniRef90_B9FQJ9
UniRef90_W2BS76
UniRef90_Q12IZ4
UniRef90_R6X8N7
UniRef90_E0XQC3
UniRef90_E1GVI3
UniRef90_Q07X24
UniRef90_T0QM46
UniRef90_UPI00034CDAA9
UniRef90_W4PFY3
UniRef90_R5RVT4
UniRef90_I4VKZ0
UniRef90_I4ZAW7
UniRef90_K7VWP9
UniRef90_D1W1P1
UniRef90_Q5FP26
UniRef90_UPI000415A455
UniRef90_UPI000371E231
UniRef90_F8JDX4
UniRef90_U4UE67
UniRef90_D8G1Z6
UniRef90_F9D6K5
UniRef90_UPI00042AFA80
UniRef90_B8C2N7
UniRef90_A6H0S5
UniRef90_UPI00042A038B
UniRef90_UPI0004125BF7
UniRef90_UPI0002882ED1
UniRef90_N9WFU4
UniRef90_R5C2M3
UniRef90_UPI0003659BDF
UniRef90_B9R9Q2
UniRef90_W4GMQ2
UniRef90_F6HCS7

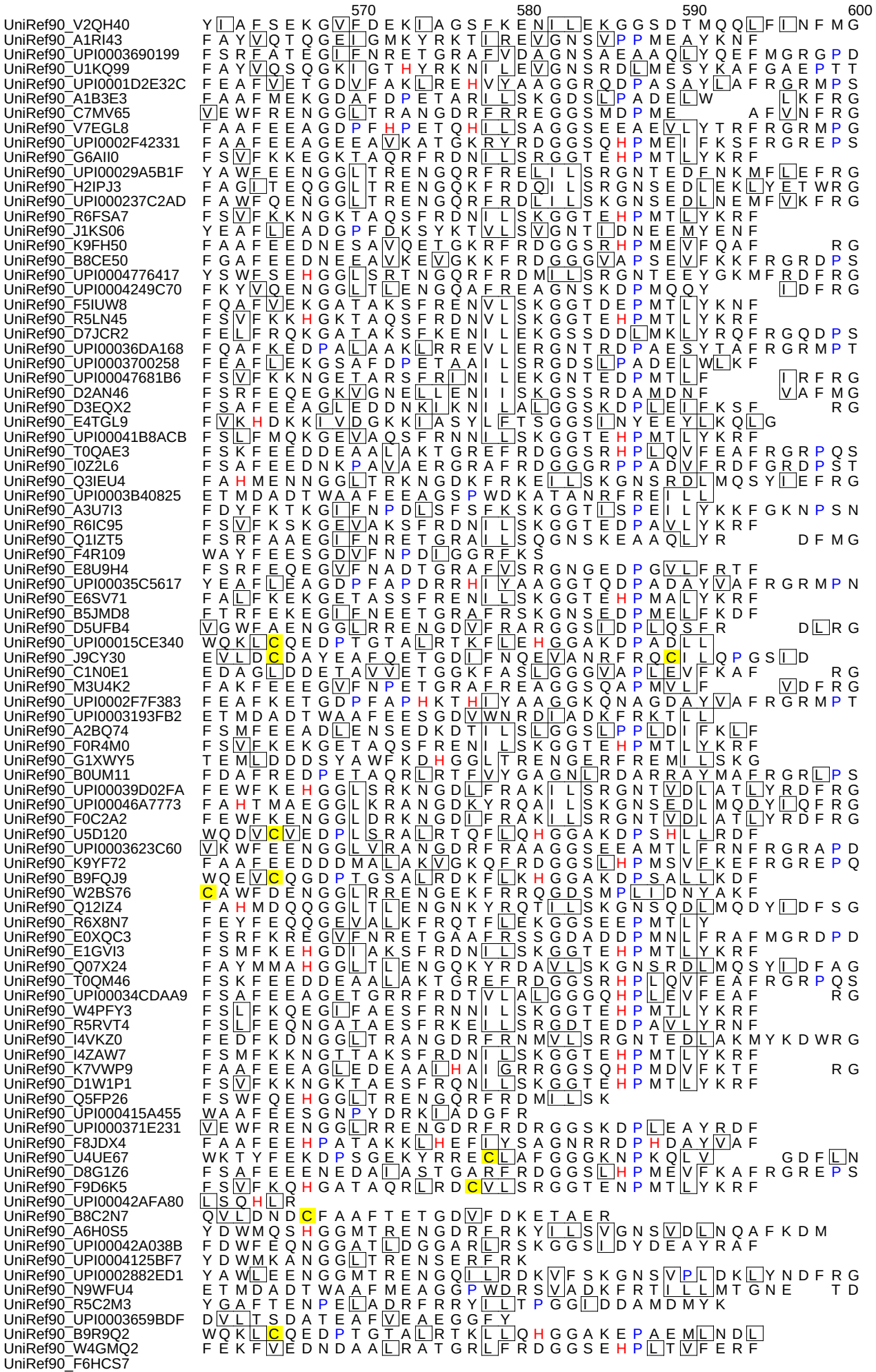

370
380
390
400
UniRef90_V2QH40
UniRef90_A1RI43
UniRef90_UPI0003690199
UniRef90_U1KQ99
UniRef90_UPI0001D2E32C
UniRef90_A1B3E3
UniRef90_C7MV65
UniRef90_V7EGL8
UniRef90_UPI0002F42331
UniRef90_G6AII0
UniRef90_UPI00029A5B1F
UniRef90_H2IPJ3
UniRef90_UPI000237C2AD
UniRef90_R6FSA7
UniRef90_J1KS06
UniRef90_K9FH50
UniRef90_B8CE50
UniRef90_UPI0004776417
UniRef90_UPI0004249C70
UniRef90_F5IUW8
UniRef90_R5LN45
UniRef90_D7JCR2
UniRef90_UPI00036DA168
UniRef90_UPI0003700258
UniRef90_UPI00047681B6
UniRef90_D2AN46
UniRef90_D3EQX2
UniRef90_E4TGL9
UniRef90_UPI00041B8ACB
UniRef90_T0QAE3
UniRef90_I0Z2L6
UniRef90_Q3IEU4
UniRef90_UPI0003B40825
UniRef90_A3U7I3
UniRef90_R6IC95
UniRef90_Q1IZT5
UniRef90_F4R109
UniRef90_E8U9H4
UniRef90_UPI00035C5617
UniRef90_E6SV71
UniRef90_B5JMD8
UniRef90_D5UFB4
UniRef90_UPI00015CE340
UniRef90_J9CY30
UniRef90_C1N0E1
UniRef90_M3U4K2
UniRef90_UPI0002F7F383
UniRef90_UPI0003193FB2
UniRef90_A2BQ74
UniRef90_F0R4M0
UniRef90_G1XWY5
UniRef90_B0UM11
UniRef90_UPI00039D02FA
UniRef90_UPI00046A7773
UniRef90_F0C2A2
UniRef90_U5D120
UniRef90_UPI0003623C60
UniRef90_K9YF72
UniRef90_B9FQJ9
UniRef90_W2BS76
UniRef90_Q12IZ4
UniRef90_R6X8N7
UniRef90_E0XQC3
UniRef90_E1GVI3
UniRef90_Q07X24
UniRef90_T0QM46
UniRef90_UPI00034CDAA9
UniRef90_W4PFY3
UniRef90_R5RVT4
UniRef90_I4VKZ0
UniRef90_I4ZAW7
UniRef90_K7VWP9
UniRef90_D1W1P1
UniRef90_Q5FP26
UniRef90_UPI000415A455
UniRef90_UPI000371E231
UniRef90_F8JDX4
UniRef90_U4UE67
UniRef90_D8G1Z6
UniRef90_F9D6K5
UniRef90_UPI00042AFA80
UniRef90_B8C2N7
UniRef90_A6H0S5
UniRef90_UPI00042A038B
UniRef90_UPI0004125BF7
UniRef90_UPI0002882ED1
UniRef90_N9WFU4
UniRef90_R5C2M3
UniRef90_UPI0003659BDF
UniRef90_B9R9Q2
UniRef90_W4GMQ2
UniRef90_F6HCS7

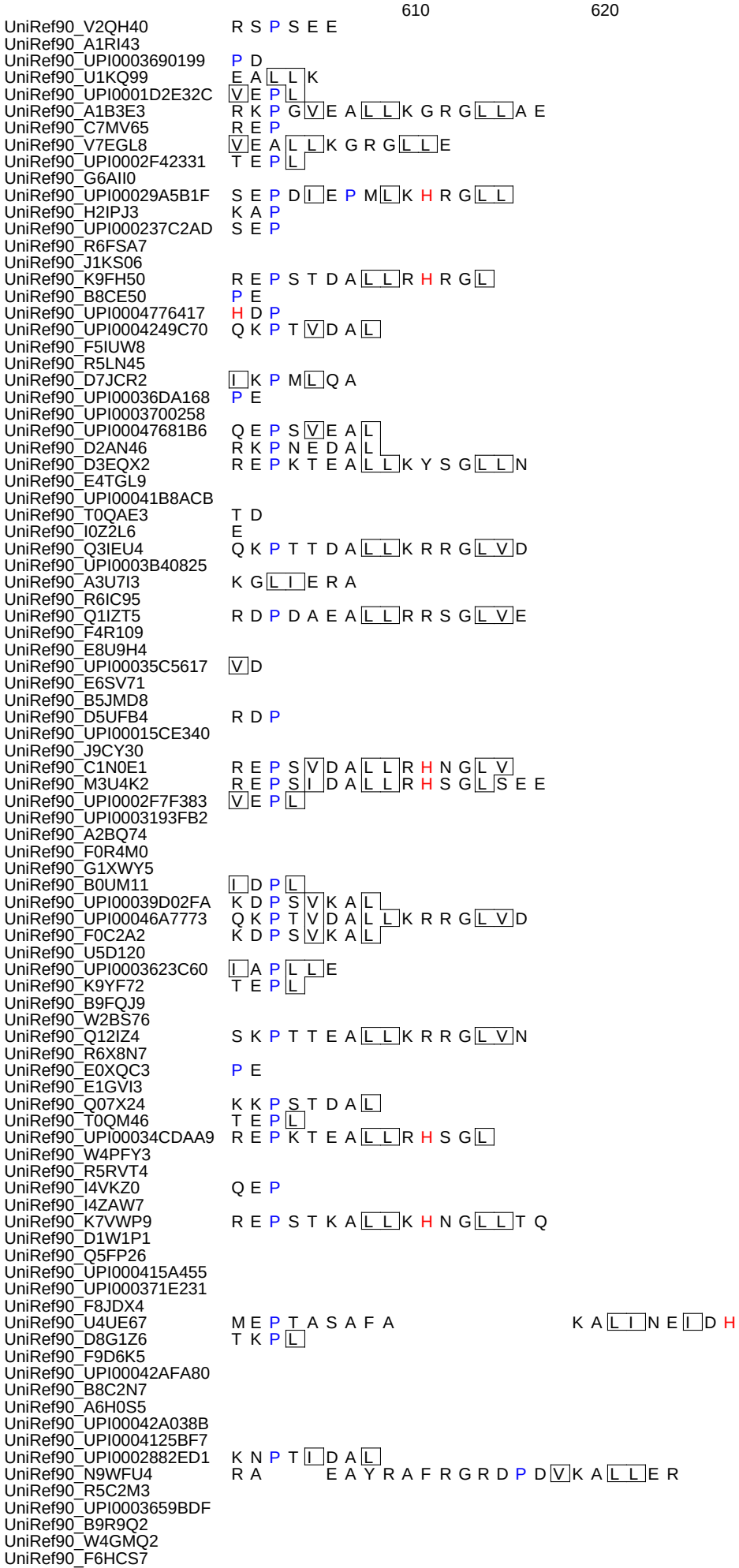

410
420
430
440
UniRef90_V2QH40
UniRef90_A1RI43
UniRef90_UPI0003690199
UniRef90_U1KQ99
UniRef90_UPI0001D2E32C
UniRef90_A1B3E3
UniRef90_C7MV65
UniRef90_V7EGL8
UniRef90_UPI0002F42331
UniRef90_G6AII0
UniRef90_UPI00029A5B1F
UniRef90_H2IPJ3
UniRef90_UPI000237C2AD
UniRef90_R6FSA7
UniRef90_J1KS06
UniRef90_K9FH50
UniRef90_B8CE50
UniRef90_UPI0004776417
UniRef90_UPI0004249C70
UniRef90_F5IUW8
UniRef90_R5LN45
UniRef90_D7JCR2
UniRef90_UPI00036DA168
UniRef90_UPI0003700258
UniRef90_UPI00047681B6
UniRef90_D2AN46
UniRef90_D3EQX2
UniRef90_E4TGL9
UniRef90_UPI00041B8ACB
UniRef90_T0QAE3
UniRef90_I0Z2L6
UniRef90_Q3IEU4
UniRef90_UPI0003B40825
UniRef90_A3U7I3
UniRef90_R6IC95
UniRef90_Q1IZT5
UniRef90_F4R109
UniRef90_E8U9H4
UniRef90_UPI00035C5617
UniRef90_E6SV71
UniRef90_B5JMD8
UniRef90_D5UFB4
UniRef90_UPI00015CE340
UniRef90_J9CY30
UniRef90_C1N0E1
UniRef90_M3U4K2
UniRef90_UPI0002F7F383
UniRef90_UPI0003193FB2
UniRef90_A2BQ74
UniRef90_F0R4M0
UniRef90_G1XWY5
UniRef90_B0UM11
UniRef90_UPI00039D02FA
UniRef90_UPI00046A7773
UniRef90_F0C2A2
UniRef90_U5D120
UniRef90_UPI0003623C60
UniRef90_K9YF72
UniRef90_B9FQJ9
UniRef90_W2BS76
UniRef90_Q12IZ4
UniRef90_R6X8N7
UniRef90_E0XQC3
UniRef90_E1GVI3
UniRef90_Q07X24
UniRef90_T0QM46
UniRef90_UPI00034CDAA9
UniRef90_W4PFY3
UniRef90_R5RVT4
UniRef90_I4VKZ0
UniRef90_I4ZAW7
UniRef90_K7VWP9
UniRef90_D1W1P1
UniRef90_Q5FP26
UniRef90_UPI000415A455
UniRef90_UPI000371E231
UniRef90_F8JDX4
UniRef90_U4UE67
UniRef90_D8G1Z6
UniRef90_F9D6K5
UniRef90_UPI00042AFA80
UniRef90_B8C2N7
UniRef90_A6H0S5
UniRef90_UPI00042A038B
UniRef90_UPI0004125BF7
UniRef90_UPI0002882ED1
UniRef90_N9WFU4
UniRef90_R5C2M3
UniRef90_UPI0003659BDF
UniRef90_B9R9Q2
UniRef90_W4GMQ2
UniRef90_F6HCS7

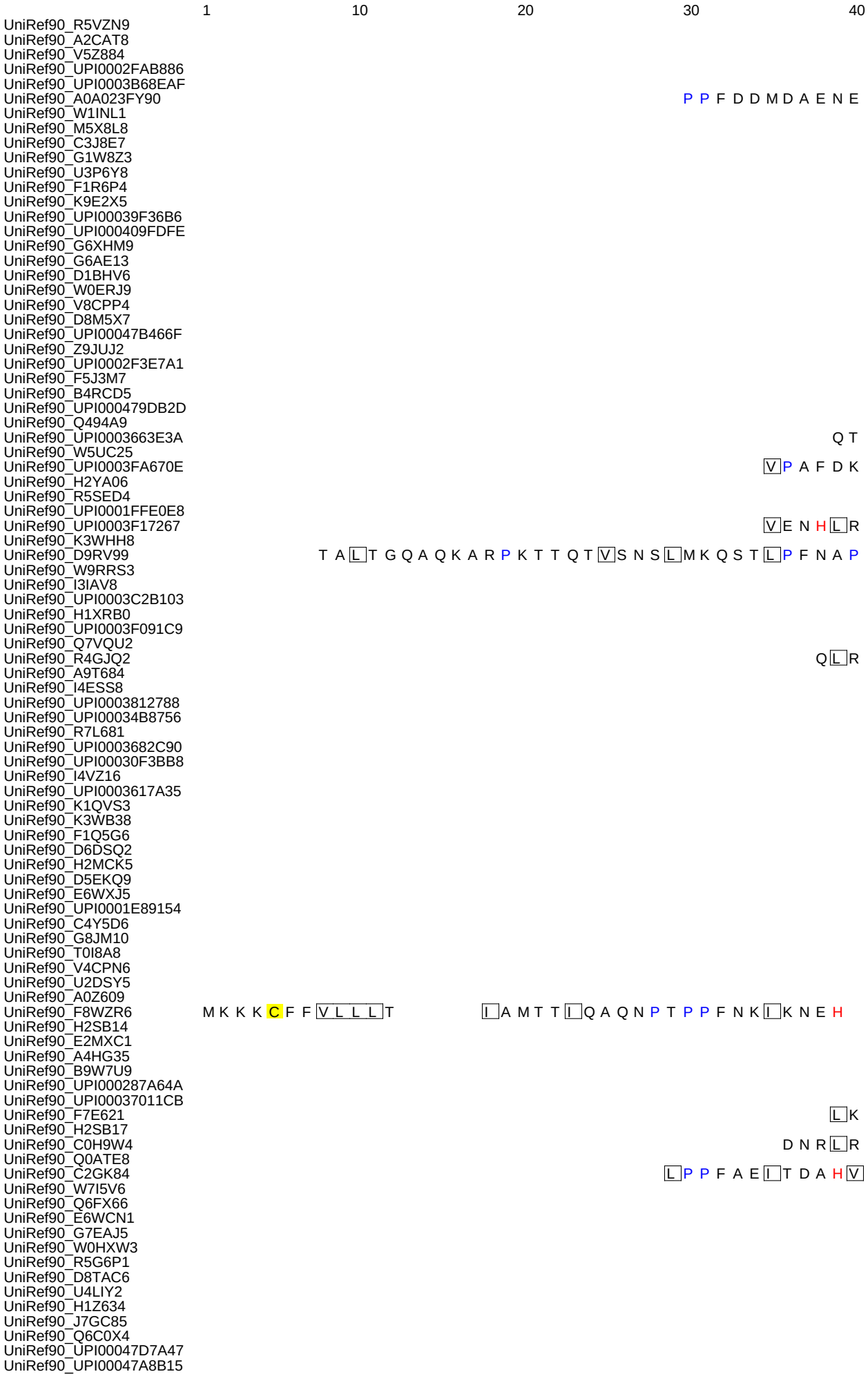

450
460
470
480
UniRef90_V2QH40
UniRef90_A1RI43
UniRef90_UPI0003690199
UniRef90_U1KQ99
UniRef90_UPI0001D2E32C
UniRef90_A1B3E3
UniRef90_C7MV65
UniRef90_V7EGL8
UniRef90_UPI0002F42331
UniRef90_G6AII0
UniRef90_UPI00029A5B1F
UniRef90_H2IPJ3
UniRef90_UPI000237C2AD
UniRef90_R6FSA7
UniRef90_J1KS06
UniRef90_K9FH50
UniRef90_B8CE50
UniRef90_UPI0004776417
UniRef90_UPI0004249C70
UniRef90_F5IUW8
UniRef90_R5LN45
UniRef90_D7JCR2
UniRef90_UPI00036DA168
UniRef90_UPI0003700258
UniRef90_UPI00047681B6
UniRef90_D2AN46
UniRef90_D3EQX2
UniRef90_E4TGL9
UniRef90_UPI00041B8ACB
UniRef90_T0QAE3
UniRef90_I0Z2L6
UniRef90_Q3IEU4
UniRef90_UPI0003B40825
UniRef90_A3U7I3
UniRef90_R6IC95
UniRef90_Q1IZT5
UniRef90_F4R109
UniRef90_E8U9H4
UniRef90_UPI00035C5617
UniRef90_E6SV71
UniRef90_B5JMD8
UniRef90_D5UFB4
UniRef90_UPI00015CE340
UniRef90_J9CY30
UniRef90_C1N0E1
UniRef90_M3U4K2
UniRef90_UPI0002F7F383
UniRef90_UPI0003193FB2
UniRef90_A2BQ74
UniRef90_F0R4M0
UniRef90_G1XWY5
UniRef90_B0UM11
UniRef90_UPI00039D02FA
UniRef90_UPI00046A7773
UniRef90_F0C2A2
UniRef90_U5D120
UniRef90_UPI0003623C60
UniRef90_K9YF72
UniRef90_B9FQJ9
UniRef90_W2BS76
UniRef90_Q12IZ4
UniRef90_R6X8N7
UniRef90_E0XQC3
UniRef90_E1GVI3
UniRef90_Q07X24
UniRef90_T0QM46
UniRef90_UPI00034CDAA9
UniRef90_W4PFY3
UniRef90_R5RVT4
UniRef90_I4VKZ0
UniRef90_I4ZAW7
UniRef90_K7VWP9
UniRef90_D1W1P1
UniRef90_Q5FP26
UniRef90_UPI000415A455
UniRef90_UPI000371E231
UniRef90_F8JDX4
UniRef90_U4UE67
UniRef90_D8G1Z6
UniRef90_F9D6K5
UniRef90_UPI00042AFA80
UniRef90_B8C2N7
UniRef90_A6H0S5
UniRef90_UPI00042A038B
UniRef90_UPI0004125BF7
UniRef90_UPI0002882ED1
UniRef90_N9WFU4
UniRef90_R5C2M3
UniRef90_UPI0003659BDF
UniRef90_B9R9Q2
UniRef90_W4GMQ2
UniRef90_F6HCS7

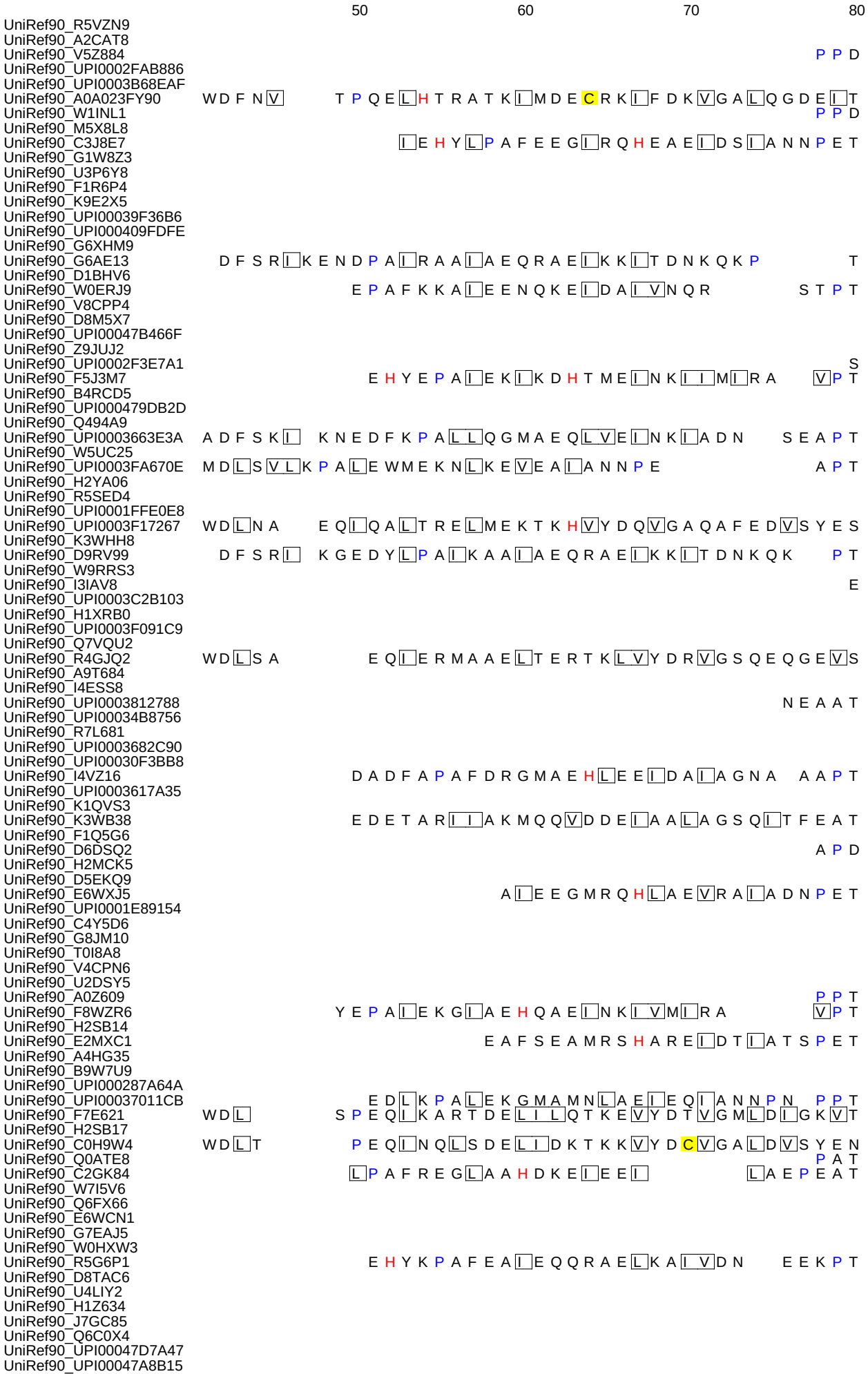

490
500
510
520
UniRef90_V2QH40
UniRef90_A1RI43
UniRef90_UPI0003690199
UniRef90_U1KQ99
UniRef90_UPI0001D2E32C
UniRef90_A1B3E3
UniRef90_C7MV65
UniRef90_V7EGL8
UniRef90_UPI0002F42331
UniRef90_G6AII0
UniRef90_UPI00029A5B1F
UniRef90_H2IPJ3
UniRef90_UPI000237C2AD
UniRef90_R6FSA7
UniRef90_J1KS06
UniRef90_K9FH50
UniRef90_B8CE50
UniRef90_UPI0004776417
UniRef90_UPI0004249C70
UniRef90_F5IUW8
UniRef90_R5LN45
UniRef90_D7JCR2
UniRef90_UPI00036DA168
UniRef90_UPI0003700258
UniRef90_UPI00047681B6
UniRef90_D2AN46
UniRef90_D3EQX2
UniRef90_E4TGL9
UniRef90_UPI00041B8ACB
UniRef90_T0QAE3
UniRef90_I0Z2L6
UniRef90_Q3IEU4
UniRef90_UPI0003B40825
UniRef90_A3U7I3
UniRef90_R6IC95
UniRef90_Q1IZT5
UniRef90_F4R109
UniRef90_E8U9H4
UniRef90_UPI00035C5617
UniRef90_E6SV71
UniRef90_B5JMD8
UniRef90_D5UFB4
UniRef90_UPI00015CE340
UniRef90_J9CY30
UniRef90_C1N0E1
UniRef90_M3U4K2
UniRef90_UPI0002F7F383
UniRef90_UPI0003193FB2
UniRef90_A2BQ74
UniRef90_F0R4M0
UniRef90_G1XWY5
UniRef90_B0UM11
UniRef90_UPI00039D02FA
UniRef90_UPI00046A7773
UniRef90_F0C2A2
UniRef90_U5D120
UniRef90_UPI0003623C60
UniRef90_K9YF72
UniRef90_B9FQJ9
UniRef90_W2BS76
UniRef90_Q12IZ4
UniRef90_R6X8N7
UniRef90_E0XQC3
UniRef90_E1GVI3
UniRef90_Q07X24
UniRef90_T0QM46
UniRef90_UPI00034CDAA9
UniRef90_W4PFY3
UniRef90_R5RVT4
UniRef90_I4VKZ0
UniRef90_I4ZAW7
UniRef90_K7VWP9
UniRef90_D1W1P1
UniRef90_Q5FP26
UniRef90_UPI000415A455
UniRef90_UPI000371E231
UniRef90_F8JDX4
UniRef90_U4UE67
UniRef90_D8G1Z6
UniRef90_F9D6K5
UniRef90_UPI00042AFA80
UniRef90_B8C2N7
UniRef90_A6H0S5
UniRef90_UPI00042A038B
UniRef90_UPI0004125BF7
UniRef90_UPI0002882ED1
UniRef90_N9WFU4
UniRef90_R5C2M3
UniRef90_UPI0003659BDF
UniRef90_B9R9Q2
UniRef90_W4GMQ2
UniRef90_F6HCS7

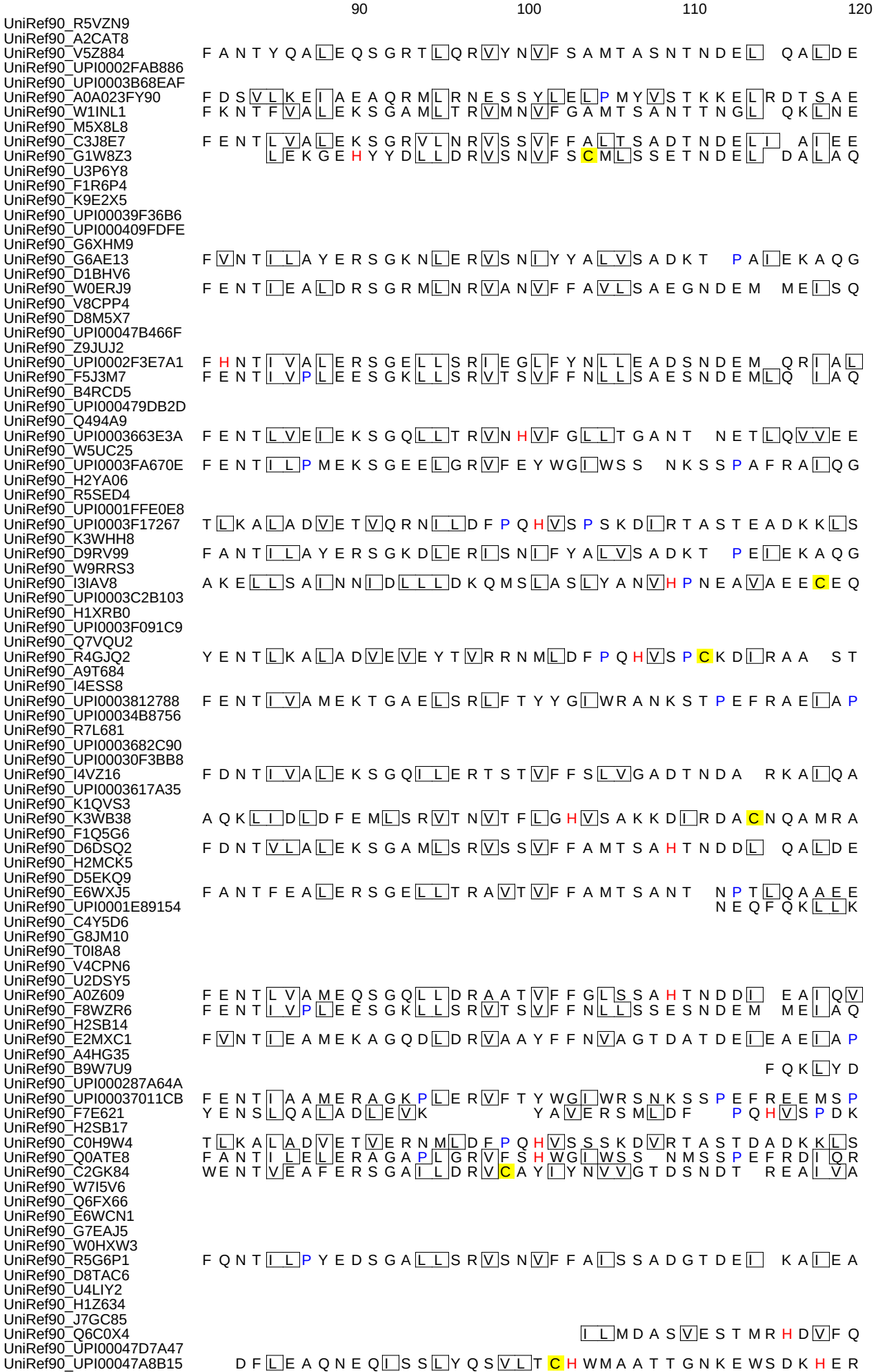

530
540
550
560
UniRef90_V2QH40
UniRef90_A1RI43
UniRef90_UPI0003690199
UniRef90_U1KQ99
UniRef90_UPI0001D2E32C
UniRef90_A1B3E3
UniRef90_C7MV65
UniRef90_V7EGL8
UniRef90_UPI0002F42331
UniRef90_G6AII0
UniRef90_UPI00029A5B1F
UniRef90_H2IPJ3
UniRef90_UPI000237C2AD
UniRef90_R6FSA7
UniRef90_J1KS06
UniRef90_K9FH50
UniRef90_B8CE50
UniRef90_UPI0004776417
UniRef90_UPI0004249C70
UniRef90_F5IUW8
UniRef90_R5LN45
UniRef90_D7JCR2
UniRef90_UPI00036DA168
UniRef90_UPI0003700258
UniRef90_UPI00047681B6
UniRef90_D2AN46
UniRef90_D3EQX2
UniRef90_E4TGL9
UniRef90_UPI00041B8ACB
UniRef90_T0QAE3
UniRef90_I0Z2L6
UniRef90_Q3IEU4
UniRef90_UPI0003B40825
UniRef90_A3U7I3
UniRef90_R6IC95
UniRef90_Q1IZT5
UniRef90_F4R109
UniRef90_E8U9H4
UniRef90_UPI00035C5617
UniRef90_E6SV71
UniRef90_B5JMD8
UniRef90_D5UFB4
UniRef90_UPI00015CE340
UniRef90_J9CY30
UniRef90_C1N0E1
UniRef90_M3U4K2
UniRef90_UPI0002F7F383
UniRef90_UPI0003193FB2
UniRef90_A2BQ74
UniRef90_F0R4M0
UniRef90_G1XWY5
UniRef90_B0UM11
UniRef90_UPI00039D02FA
UniRef90_UPI00046A7773
UniRef90_F0C2A2
UniRef90_U5D120
UniRef90_UPI0003623C60
UniRef90_K9YF72
UniRef90_B9FQJ9
UniRef90_W2BS76
UniRef90_Q12IZ4
UniRef90_R6X8N7
UniRef90_E0XQC3
UniRef90_E1GVI3
UniRef90_Q07X24
UniRef90_T0QM46
UniRef90_UPI00034CDAA9
UniRef90_W4PFY3
UniRef90_R5RVT4
UniRef90_I4VKZ0
UniRef90_I4ZAW7
UniRef90_K7VWP9
UniRef90_D1W1P1
UniRef90_Q5FP26
UniRef90_UPI000415A455
UniRef90_UPI000371E231
UniRef90_F8JDX4
UniRef90_U4UE67
UniRef90_D8G1Z6
UniRef90_F9D6K5
UniRef90_UPI00042AFA80
UniRef90_B8C2N7
UniRef90_A6H0S5
UniRef90_UPI00042A038B
UniRef90_UPI0004125BF7
UniRef90_UPI0002882ED1
UniRef90_N9WFU4
UniRef90_R5C2M3
UniRef90_UPI0003659BDF
UniRef90_B9R9Q2
UniRef90_W4GMQ2
UniRef90_F6HCS7

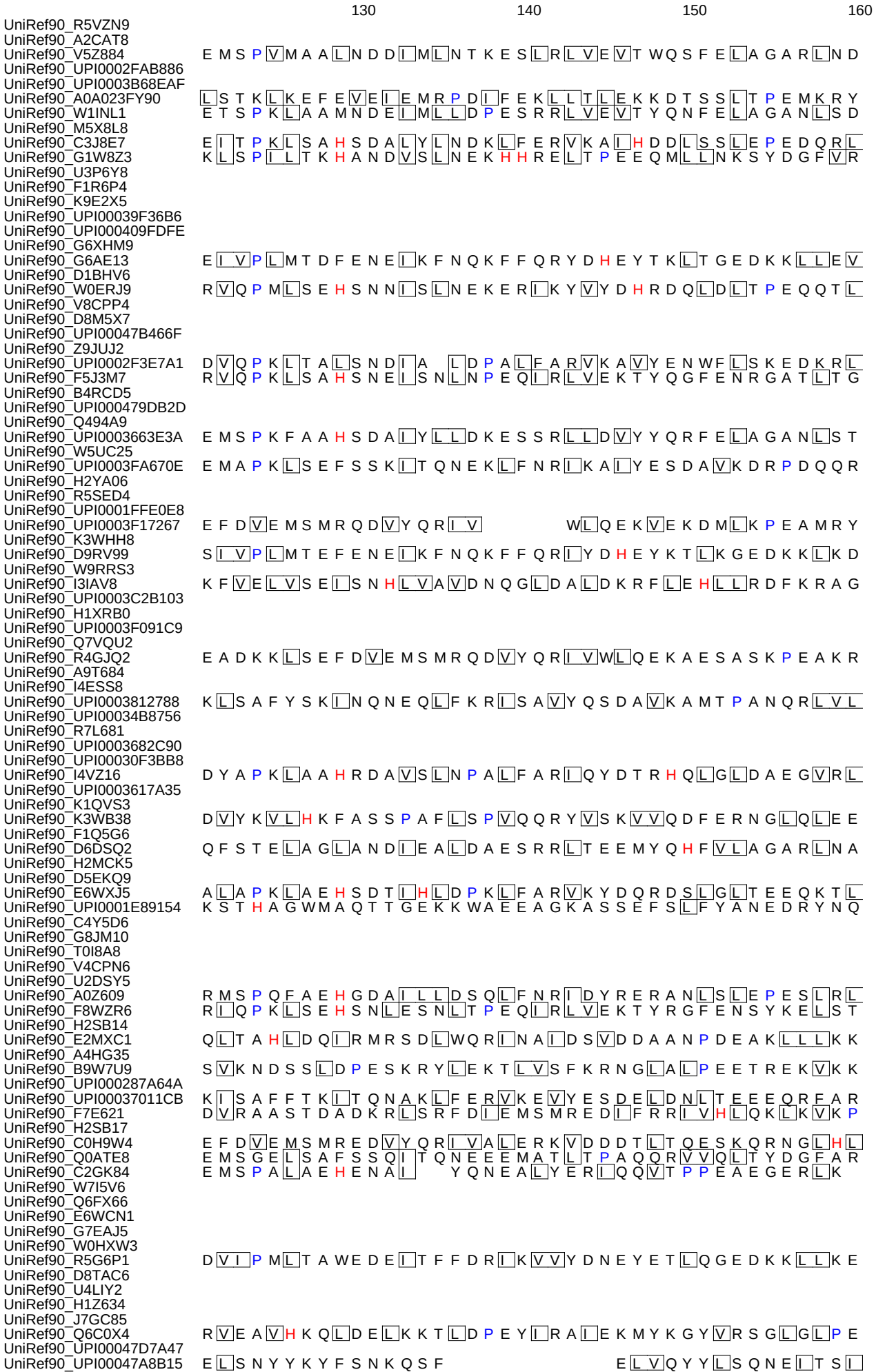

570
580
590
600
UniRef90_V2QH40
UniRef90_A1RI43
UniRef90_UPI0003690199
UniRef90_U1KQ99
UniRef90_UPI0001D2E32C
UniRef90_A1B3E3
UniRef90_C7MV65
UniRef90_V7EGL8
UniRef90_UPI0002F42331
UniRef90_G6AII0
UniRef90_UPI00029A5B1F
UniRef90_H2IPJ3
UniRef90_UPI000237C2AD
UniRef90_R6FSA7
UniRef90_J1KS06
UniRef90_K9FH50
UniRef90_B8CE50
UniRef90_UPI0004776417
UniRef90_UPI0004249C70
UniRef90_F5IUW8
UniRef90_R5LN45
UniRef90_D7JCR2
UniRef90_UPI00036DA168
UniRef90_UPI0003700258
UniRef90_UPI00047681B6
UniRef90_D2AN46
UniRef90_D3EQX2
UniRef90_E4TGL9
UniRef90_UPI00041B8ACB
UniRef90_T0QAE3
UniRef90_I0Z2L6
UniRef90_Q3IEU4
UniRef90_UPI0003B40825
UniRef90_A3U7I3
UniRef90_R6IC95
UniRef90_Q1IZT5
UniRef90_F4R109
UniRef90_E8U9H4
UniRef90_UPI00035C5617
UniRef90_E6SV71
UniRef90_B5JMD8
UniRef90_D5UFB4
UniRef90_UPI00015CE340
UniRef90_J9CY30
UniRef90_C1N0E1
UniRef90_M3U4K2
UniRef90_UPI0002F7F383
UniRef90_UPI0003193FB2
UniRef90_A2BQ74
UniRef90_F0R4M0
UniRef90_G1XWY5
UniRef90_B0UM11
UniRef90_UPI00039D02FA
UniRef90_UPI00046A7773
UniRef90_F0C2A2
UniRef90_U5D120
UniRef90_UPI0003623C60
UniRef90_K9YF72
UniRef90_B9FQJ9
UniRef90_W2BS76
UniRef90_Q12IZ4
UniRef90_R6X8N7
UniRef90_E0XQC3
UniRef90_E1GVI3
UniRef90_Q07X24
UniRef90_T0QM46
UniRef90_UPI00034CDAA9
UniRef90_W4PFY3
UniRef90_R5RVT4
UniRef90_I4VKZ0
UniRef90_I4ZAW7
UniRef90_K7VWP9
UniRef90_D1W1P1
UniRef90_Q5FP26
UniRef90_UPI000415A455
UniRef90_UPI000371E231
UniRef90_F8JDX4
UniRef90_U4UE67
UniRef90_D8G1Z6
UniRef90_F9D6K5
UniRef90_UPI00042AFA80
UniRef90_B8C2N7
UniRef90_A6H0S5
UniRef90_UPI00042A038B
UniRef90_UPI0004125BF7
UniRef90_UPI0002882ED1
UniRef90_N9WFU4
UniRef90_R5C2M3
UniRef90_UPI0003659BDF
UniRef90_B9R9Q2
UniRef90_W4GMQ2
UniRef90_F6HCS7

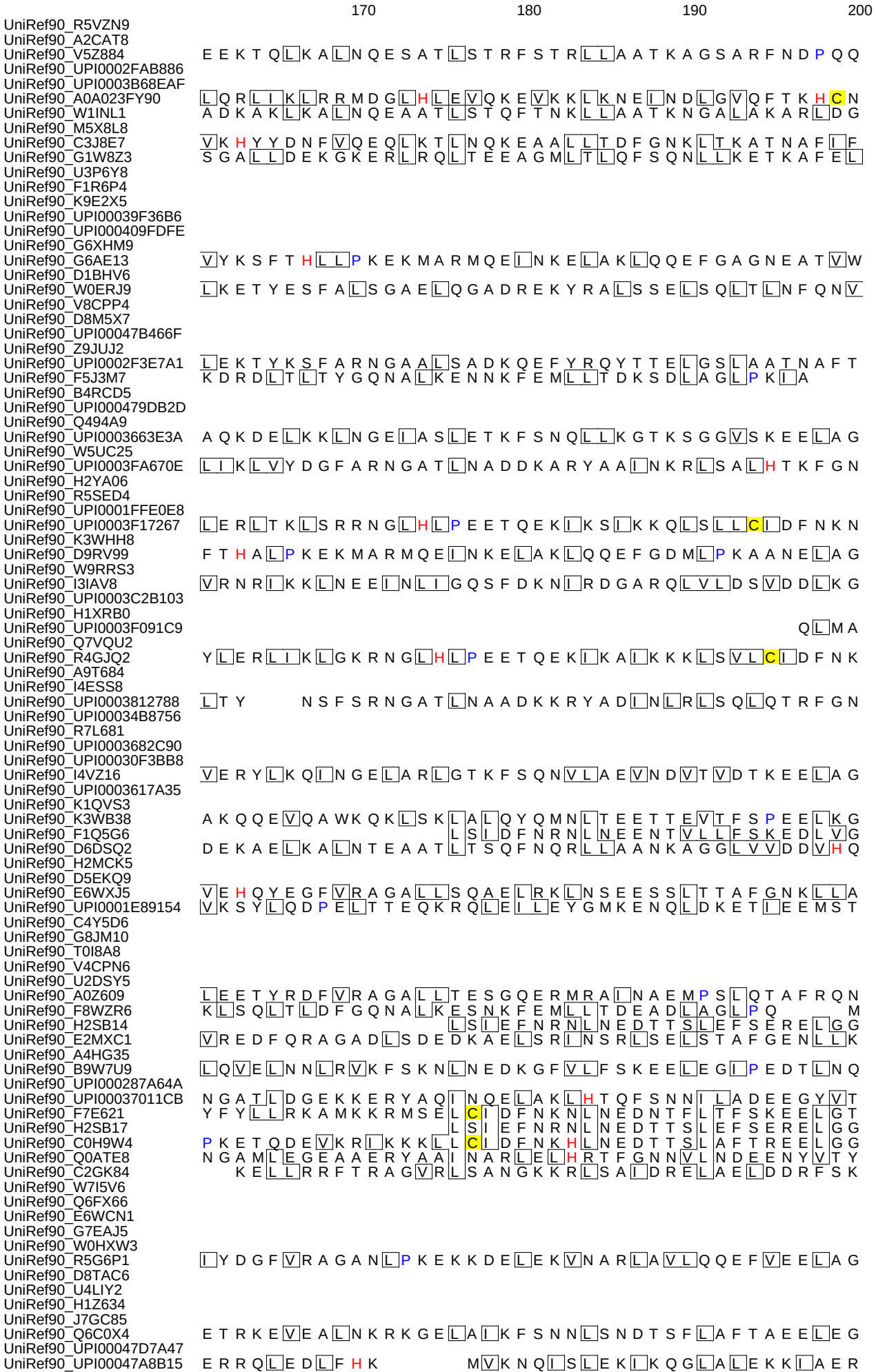

610
620
UniRef90_V2QH40 R S P S E E
UniRef90_A1RI43
UniRef90_UPI0003690199 P D
UniRef90_U1KQ99 E A L L K
UniRef90_UPI0001D2E32C V E P L
UniRef90_A1B3E3 R K P G V E A L L K G R G L L A E
UniRef90_C7MV65 R E P
UniRef90_V7EGL8 V E A L L K G R G L L E
UniRef90_UPI0002F42331 T E P L
UniRef90_G6AII0
UniRef90_UPI00029A5B1F S E P D I E P M L K H R G L L
UniRef90_H2IPJ3 K A P
UniRef90_UPI000237C2AD S E P
UniRef90_R6FSA7
UniRef90_J1KS06
UniRef90_K9FH50 R E P S T D A L L R H R G L
UniRef90_B8CE50 P E
UniRef90_UPI0004776417 H D P
UniRef90_UPI0004249C70 Q K P T V D A L
UniRef90_F5IUW8
UniRef90_R5LN45
UniRef90_D7JCR2 I K P M L Q A
UniRef90_UPI00036DA168 P E
UniRef90_UPI0003700258
UniRef90_UPI00047681B6 Q E P S V E A L
UniRef90_D2AN46 R K P N E D A L
UniRef90_D3EQX2 R E P K T E A L L K Y S G L L N
UniRef90_E4TGL9
UniRef90_UPI00041B8ACB
UniRef90_T0QAE3 T D
UniRef90_I0Z2L6 E
UniRef90_Q3IEU4 Q K P T T D A L L K R R G L V D
UniRef90_UPI0003B40825
UniRef90_A3U7I3 K G L I E R A
UniRef90_R6IC95
UniRef90_Q1IZT5 R D P D A E A L L R R S G L V E
UniRef90_F4R109
UniRef90_E8U9H4
UniRef90_UPI00035C5617 V D
UniRef90_E6SV71
UniRef90_B5JMD8
UniRef90_D5UFB4 R D P
UniRef90_UPI00015CE340
UniRef90_J9CY30
UniRef90_C1N0E1 R E P S V D A L L R H N G L V
UniRef90_M3U4K2 R E P S I D A L L R H S G L S E E
UniRef90_UPI0002F7F383 V E P L
UniRef90_UPI0003193FB2
UniRef90_A2BQ74
UniRef90_F0R4M0
UniRef90_G1XWY5
UniRef90_B0UM11 I D P L
UniRef90_UPI00039D02FA K D P S V K A L
UniRef90_UPI00046A7773 Q K P T V D A L L K R R G L V D
UniRef90_F0C2A2 K D P S V K A L
UniRef90_U5D120
UniRef90_UPI0003623C60 I A P L L E
UniRef90_K9YF72 T E P L
UniRef90_B9FQJ9
UniRef90_W2BS76
UniRef90_Q12IZ4 S K P T T E A L L K R R G L V N
UniRef90_R6X8N7
UniRef90_E0XQC3 P E
UniRef90_E1GVI3
UniRef90_Q07X24 K K P S T D A L
UniRef90_T0QM46 T E P L
UniRef90_UPI00034CDAA9 R E P K T E A L L R H S G L
UniRef90_W4PFY3
UniRef90_R5RVT4
UniRef90_I4VKZ0 Q E P
UniRef90_I4ZAW7
UniRef90_K7VWP9 R E P S T K A L L K H N G L L T Q
UniRef90_D1W1P1
UniRef90_Q5FP26
UniRef90_UPI000415A455
UniRef90_UPI000371E231
UniRef90_F8JDX4
UniRef90_U4UE67 M E P T A S A F A K A L I N E I D H
UniRef90_D8G1Z6 T K P L
UniRef90_F9D6K5
UniRef90_UPI00042AFA80
UniRef90_B8C2N7
UniRef90_A6H0S5
UniRef90_UPI00042A038B
UniRef90_UPI0004125BF7
UniRef90_UPI0002882ED1 K N P T I D A L
UniRef90_N9WFU4 R A E A Y R A F R G R D P D V K A L L E R
UniRef90_R5C2M3
UniRef90_UPI0003659BDF
UniRef90_B9R9Q2
UniRef90_W4GMQ2
UniRef90_F6HCS7

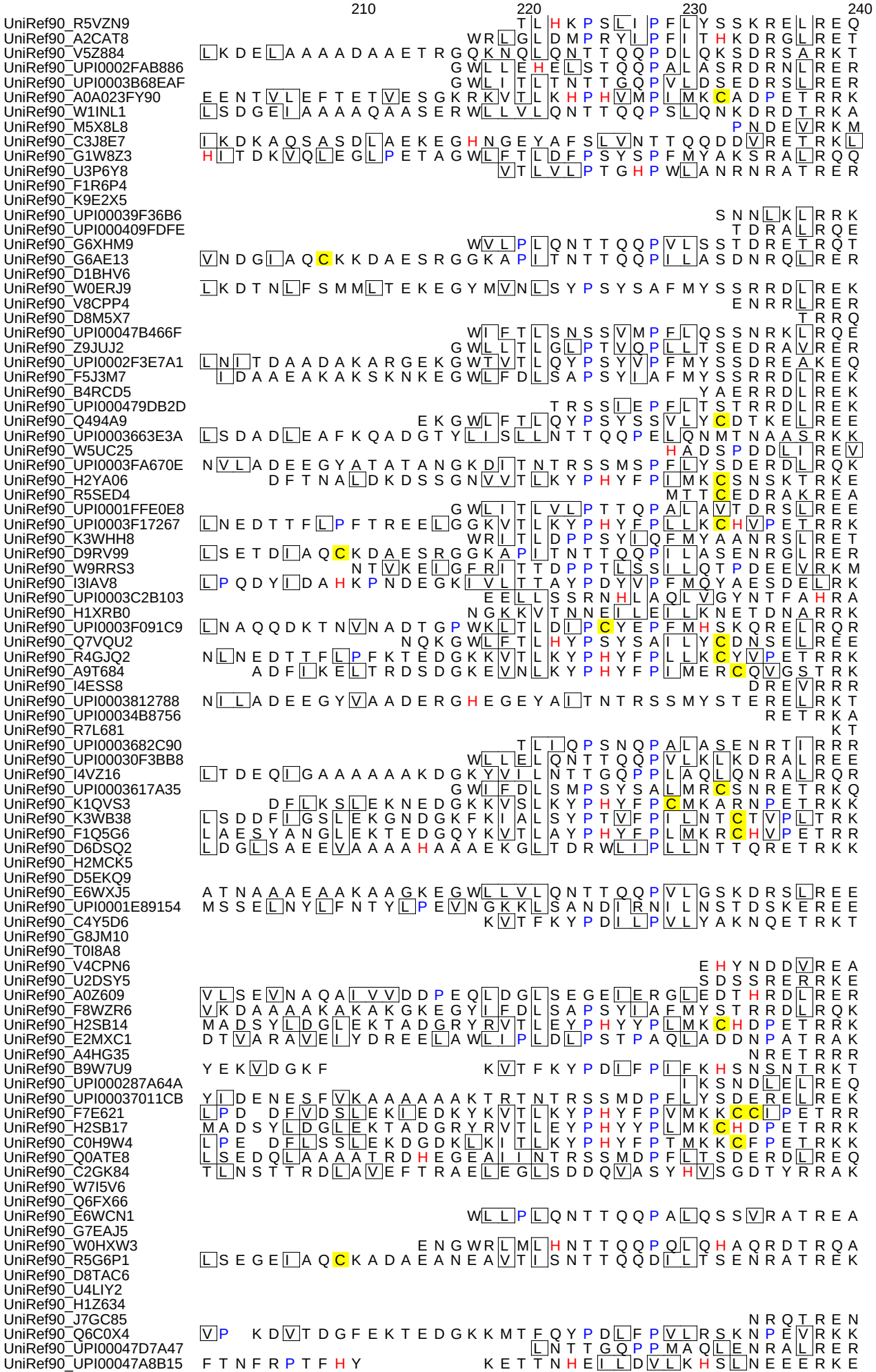

1
10
20
30
40
UniRef90_R5VZN9
UniRef90_A2CAT8
UniRef90_V5Z884
UniRef90_UPI0002FAB886
UniRef90_UPI0003B68EAF
UniRef90_A0A023FY90
P P F D D M D A E N E
UniRef90_W1INL1
UniRef90_M5X8L8
UniRef90_C3J8E7
UniRef90_G1W8Z3
UniRef90_U3P6Y8
UniRef90_F1R6P4
UniRef90_K9E2X5
UniRef90_UPI00039F36B6
UniRef90_UPI000409FDFE
UniRef90_G6XHM9
UniRef90_G6AE13
UniRef90_D1BHV6
UniRef90_W0ERJ9
UniRef90_V8CPP4
UniRef90_D8M5X7
UniRef90_UPI00047B466F
UniRef90_Z9JUJ2
UniRef90_UPI0002F3E7A1
UniRef90_F5J3M7
UniRef90_B4RCD5
UniRef90_UPI000479DB2D
UniRef90_Q494A9
UniRef90_UPI0003663E3A
Q T
UniRef90_W5UC25
UniRef90_UPI0003FA670E
V P A F D K
UniRef90_H2YA06
UniRef90_R5SED4
UniRef90_UPI0001FFE0E8
UniRef90_UPI0003F17267
V E N H L R
UniRef90_K3WHH8
UniRef90_D9RV99
T A L T G Q A Q K A R P K T T Q T V S N S L M K Q S T L P F N A P
UniRef90_W9RRS3
UniRef90_I3IAV8
UniRef90_UPI0003C2B103
UniRef90_H1XRB0
UniRef90_UPI0003F091C9
UniRef90_Q7VQU2
UniRef90_R4GJQ2
Q L R
UniRef90_A9T684
UniRef90_I4ESS8
UniRef90_UPI0003812788
UniRef90_UPI00034B8756
UniRef90_R7L681
UniRef90_UPI0003682C90
UniRef90_UPI00030F3BB8
UniRef90_I4VZ16
UniRef90_UPI0003617A35
UniRef90_K1QVS3
UniRef90_K3WB38
UniRef90_F1Q5G6
UniRef90_D6DSQ2
UniRef90_H2MCK5
UniRef90_D5EKQ9
UniRef90_E6WXJ5
UniRef90_UPI0001E89154
UniRef90_C4Y5D6
UniRef90_G8JM10
UniRef90_T0I8A8
UniRef90_V4CPN6
UniRef90_U2DSY5
UniRef90_A0Z609
UniRef90_F8WZR6
M K K K C F F V L L L T
I A M T T I Q A Q N P T P P F N K I K N E H
UniRef90_H2SB14
UniRef90_E2MXC1
UniRef90_A4HG35
UniRef90_B9W7U9
UniRef90_UPI000287A64A
UniRef90_UPI00037011CB
UniRef90_F7E621
L K
UniRef90_H2SB17
UniRef90_C0H9W4
D N R L R
UniRef90_Q0ATE8
UniRef90_C2GK84
L P P F A E I T D A H V
UniRef90_W7I5V6
UniRef90_Q6FX66
UniRef90_E6WCN1
UniRef90_G7EAJ5
UniRef90_W0HXW3
UniRef90_R5G6P1
UniRef90_D8TAC6
UniRef90_U4LIY2
UniRef90_H1Z634
UniRef90_J7GC85
UniRef90_Q6C0X4
UniRef90_UPI00047D7A47
UniRef90_UPI00047A8B15

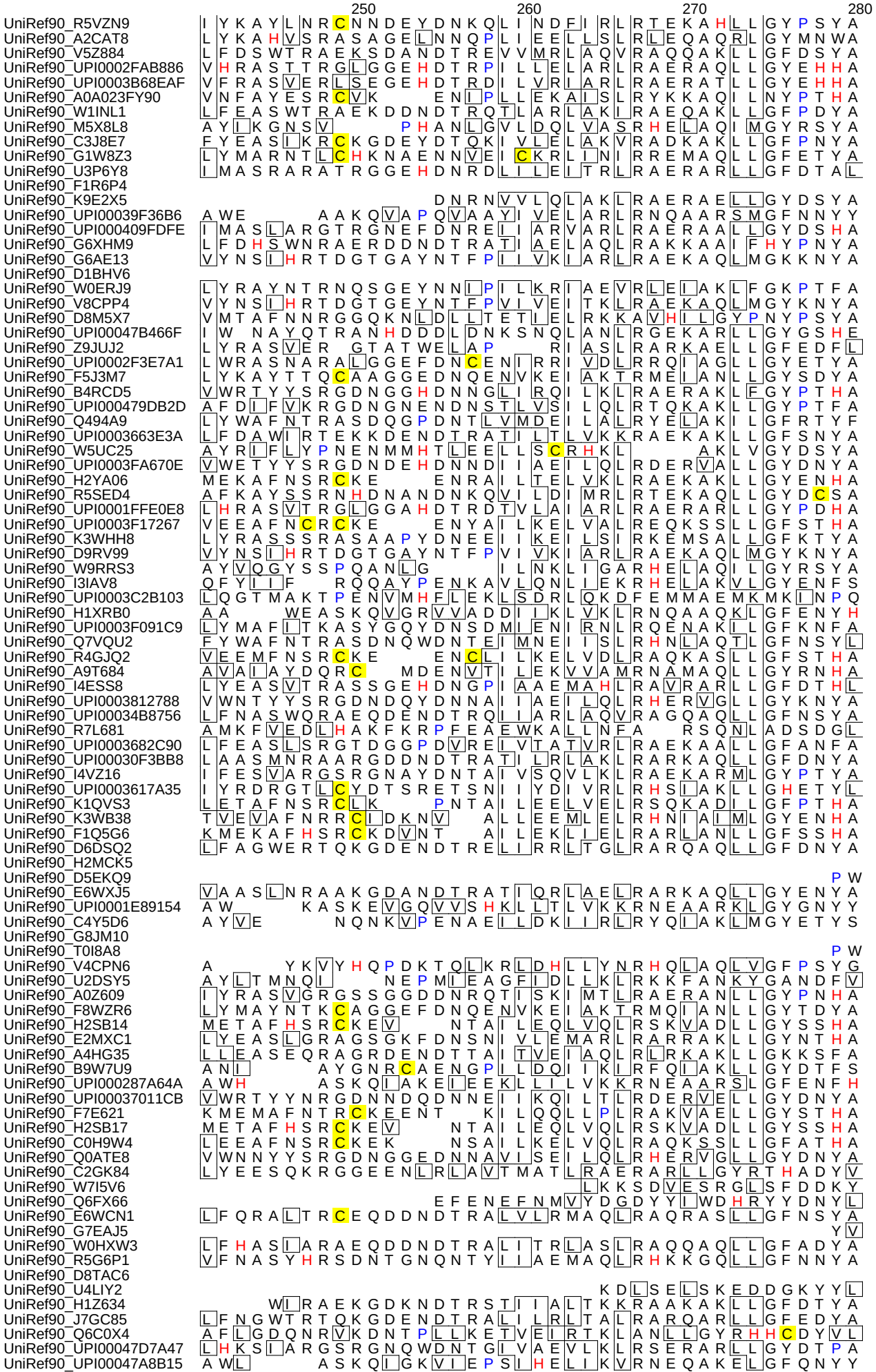

50
60
70
80
UniRef90_R5VZN9
UniRef90_A2CAT8
UniRef90_V5Z884
UniRef90_UPI0002FAB886
UniRef90_UPI0003B68EAF
UniRef90_A0A023FY90
UniRef90_W1INL1
UniRef90_M5X8L8
UniRef90_C3J8E7
UniRef90_G1W8Z3
UniRef90_U3P6Y8
UniRef90_F1R6P4
UniRef90_K9E2X5
UniRef90_UPI00039F36B6
UniRef90_UPI000409FDFE
UniRef90_G6XHM9
UniRef90_G6AE13
UniRef90_D1BHV6
UniRef90_W0ERJ9
UniRef90_V8CPP4
UniRef90_D8M5X7
UniRef90_UPI00047B466F
UniRef90_Z9JUJ2
UniRef90_UPI0002F3E7A1
UniRef90_F5J3M7
UniRef90_B4RCD5
UniRef90_UPI000479DB2D
UniRef90_Q494A9
UniRef90_UPI0003663E3A
UniRef90_W5UC25
UniRef90_UPI0003FA670E
UniRef90_H2YA06
UniRef90_R5SED4
UniRef90_UPI0001FFE0E8
UniRef90_UPI0003F17267
UniRef90_K3WHH8
UniRef90_D9RV99
UniRef90_W9RRS3
UniRef90_I3IAV8
UniRef90_UPI0003C2B103
UniRef90_H1XRB0
UniRef90_UPI0003F091C9
UniRef90_Q7VQU2
UniRef90_R4GJQ2
UniRef90_A9T684
UniRef90_I4ESS8
UniRef90_UPI0003812788
UniRef90_UPI00034B8756
UniRef90_R7L681
UniRef90_UPI0003682C90
UniRef90_UPI00030F3BB8
UniRef90_I4VZ16
UniRef90_UPI0003617A35
UniRef90_K1QVS3
UniRef90_K3WB38
UniRef90_F1Q5G6
UniRef90_D6DSQ2
UniRef90_H2MCK5
UniRef90_D5EKQ9
UniRef90_E6WXJ5
UniRef90_UPI0001E89154
UniRef90_C4Y5D6
UniRef90_G8JM10
UniRef90_T0I8A8
UniRef90_V4CPN6
UniRef90_U2DSY5
UniRef90_A0Z609
UniRef90_F8WZR6
UniRef90_H2SB14
UniRef90_E2MXC1
UniRef90_A4HG35
UniRef90_B9W7U9
UniRef90_UPI000287A64A
UniRef90_UPI00037011CB
UniRef90_F7E621
UniRef90_H2SB17
UniRef90_C0H9W4
UniRef90_Q0ATE8
UniRef90_C2GK84
UniRef90_W7I5V6
UniRef90_Q6FX66
UniRef90_E6WCN1
UniRef90_G7EAJ5
UniRef90_W0HXW3
UniRef90_R5G6P1
UniRef90_D8TAC6
UniRef90_U4LIY2
UniRef90_H1Z634
UniRef90_J7GC85
UniRef90_Q6C0X4
UniRef90_UPI00047D7A47
UniRef90_UPI00047A8B15

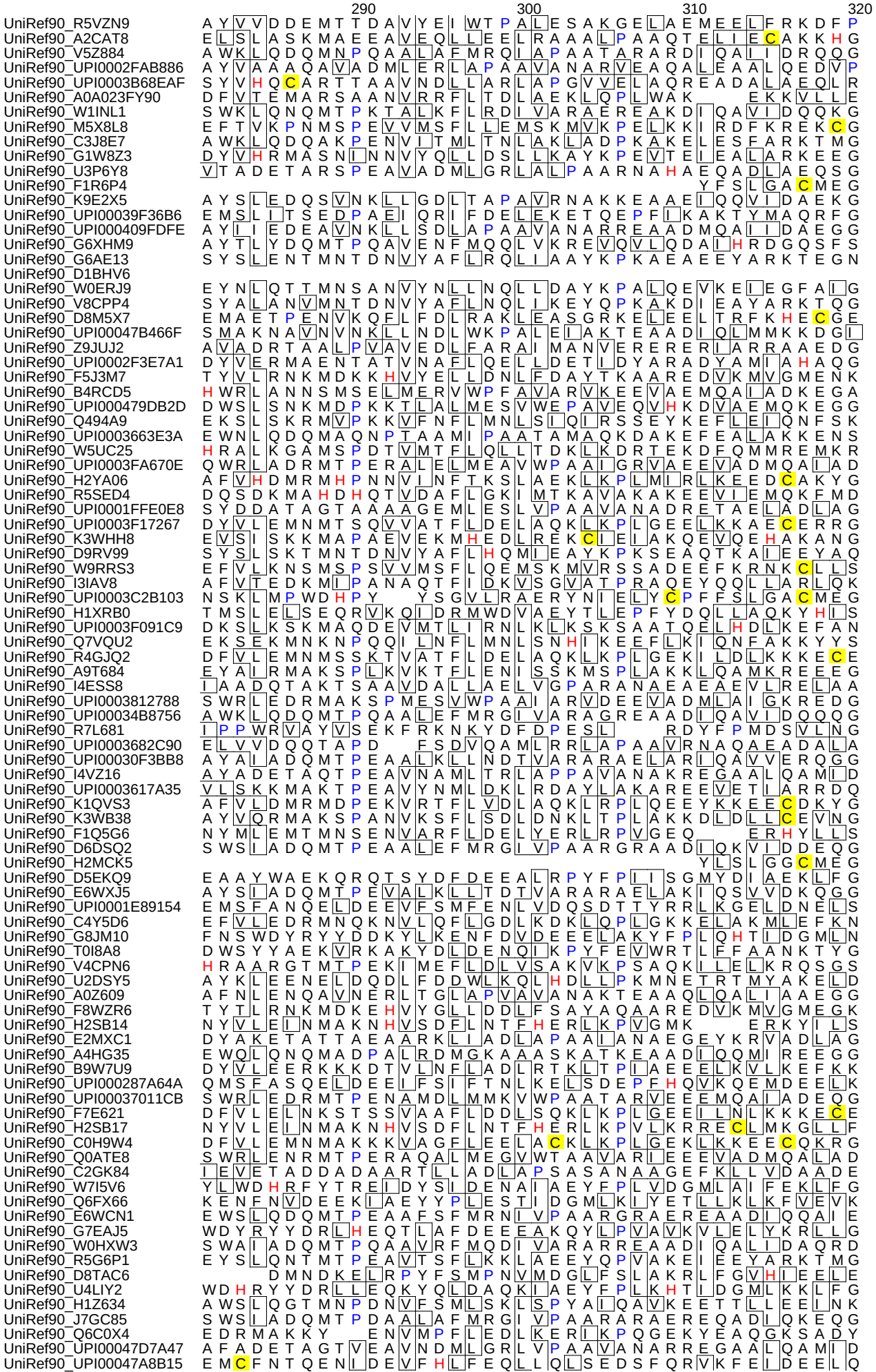

90
100
110
120
UniRef90_R5VZN9
UniRef90_A2CAT8
UniRef90_V5Z884 F A N T Y Q A L E Q S G R T L Q R V Y N V F S A M T A S N T N D E L Q A L D E
UniRef90_UPI0002FAB886
UniRef90_UPI0003B68EAF
UniRef90_A0A023FY90 F D S V L K E I A E A Q R M L R N E S S Y L E L P M Y V S T K K E L R D T S A E
UniRef90_W1INL1 F K N T F V A L E K S G A M L T R V M N V F G A M T S A N T T N G L Q K L N E
UniRef90_M5X8L8
UniRef90_C3J8E7 F E N T L V A L E K S G R V L N R V S S V F F A L T S A D T N D E L I A I E E
UniRef90_G1W8Z3 L E K G E H Y Y D L L D R V S N V F S C M L S S E T N D E L D A L A Q
UniRef90_U3P6Y8
UniRef90_F1R6P4
UniRef90_K9E2X5
UniRef90_UPI00039F36B6
UniRef90_UPI000409FDFE
UniRef90_G6XHM9
UniRef90_G6AE13 F V N T I L A Y E R S G K N L E R V S N I Y Y A L V S A D K T P A I E K A Q G
UniRef90_D1BHV6
UniRef90_W0ERJ9 F E N T I E A L D R S G R M L N R V A N V F F A V L S A E G N D E M M E I S Q
UniRef90_V8CPP4
UniRef90_D8M5X7
UniRef90_UPI00047B466F
UniRef90_Z9JUJ2
UniRef90_UPI0002F3E7A1 F H N T I V A L E R S G E L L S R I E G L F Y N L L E A D S N D E M Q R I A L
UniRef90_F5J3M7 F E N T I V P L E E S G K L L S R V T S V F F N L L S A E S N D E M L Q I A Q
UniRef90_B4RCD5
UniRef90_UPI000479DB2D
UniRef90_Q494A9
UniRef90_UPI0003663E3A F E N T L V E I E K S G Q L L T R V N H V F G L L T G A N T N E T L Q V V E E
UniRef90_W5UC25
UniRef90_UPI0003FA670E F E N T I L P M E K S G E E L G R V F E Y W G I W S S N K S S P A F R A I Q G
UniRef90_H2YA06
UniRef90_R5SED4
UniRef90_UPI0001FFE0E8
UniRef90_UPI0003F17267 T L K A L A D V E T V Q R N I L D F P Q H V S P S K D I R T A S T E A D K K L S
UniRef90_K3WHH8
UniRef90_D9RV99 F A N T I L A Y E R S G K D L E R I S N I F Y A L V S A D K T P E I E K A Q G
UniRef90_W9RRS3
UniRef90_I3IAV8 A K E L L S A I N N I D L L L D K Q M S L A S L Y A N V H P N E A V A E E C E Q
UniRef90_UPI0003C2B103
UniRef90_H1XRB0
UniRef90_UPI0003F091C9
UniRef90_Q7VQU2
UniRef90_R4GJQ2 Y E N T L K A L A D V E V E Y T V R R N M L D F P Q H V S P C K D I R A A S T
UniRef90_A9T684
UniRef90_I4ESS8
UniRef90_UPI0003812788 F E N T I V A M E K T G A E L S R L F T Y Y G I W R A N K S T P E F R A E I A P
UniRef90_UPI00034B8756
UniRef90_R7L681
UniRef90_UPI0003682C90
UniRef90_UPI00030F3BB8
UniRef90_I4VZ16 F D N T I V A L E K S G Q I L E R T S T V F F S L V G A D T N D A R K A I Q A
UniRef90_UPI0003617A35
UniRef90_K1QVS3
UniRef90_K3WB38 A Q K L I D L D F E M L S R V T N V T F L G H V S A K K D I R D A C N Q A M R A
UniRef90_F1Q5G6
UniRef90_D6DSQ2 F D N T V L A L E K S G A M L S R V S S V F F A M T S A H T N D D L Q A L D E
UniRef90_H2MCK5
UniRef90_D5EKQ9
UniRef90_E6WXJ5 F A N T F E A L E R S G E L L T R A V T V F F A M T S A N T N P T L Q A A E E
UniRef90_UPI0001E89154 N E Q F Q K L L K
UniRef90_C4Y5D6
UniRef90_G8JM10
UniRef90_T0I8A8
UniRef90_V4CPN6
UniRef90_U2DSY5
UniRef90_A0Z609 F E N T L V A M E Q S G Q L L D R A A T V F F G L S S A H T N D D I E A I Q V
UniRef90_F8WZR6 F E N T I V P L E E S G K L L S R V T S V F F N L L S S E S N D E M M E I A Q
UniRef90_H2SB14
UniRef90_E2MXC1 F V N T I E A M E K A G Q D L D R V A A Y F F N V A G T D A T D E I E A E I A P
UniRef90_A4HG35
UniRef90_B9W7U9 F Q K L Y D
UniRef90_UPI000287A64A
UniRef90_UPI00037011CB F E N T I A A M E R A G K P L E R V F T Y W G I W R S N K S S P E F R E E M S P
UniRef90_F7E621 Y E N S L Q A L A D L E V K Y A V E R S M L D F P Q H V S P D K
UniRef90_H2SB17
UniRef90_C0H9W4 T L K A L A D V E T V E R N M L D F P Q H V S S S K D V R T A S T D A D K K L S
UniRef90_Q0ATE8 F A N T I L E L E R A G A P L G R V F S H W G I W S S N M S S P E F R D I Q R
UniRef90_C2GK84 W E N T V E A F E R S G A I L D R V C A Y I Y N V V G T D S N D T R E A I V A
UniRef90_W7I5V6
UniRef90_Q6FX66
UniRef90_E6WCN1
UniRef90_G7EAJ5
UniRef90_W0HXW3
UniRef90_R5G6P1 F Q N T I L P Y E D S G A L L S R V S N V F F A I S S A D G T D E I K A I E A
UniRef90_D8TAC6
UniRef90_U4LIY2
UniRef90_H1Z634
UniRef90_J7GC85
UniRef90_Q6C0X4 I L M D A S V E S T M R H D V F Q
UniRef90_UPI00047D7A47
UniRef90_UPI00047A8B15 D F L E A Q N E Q I S S L Y Q S V L T C H W M A A T T G N K E W S D K H E R

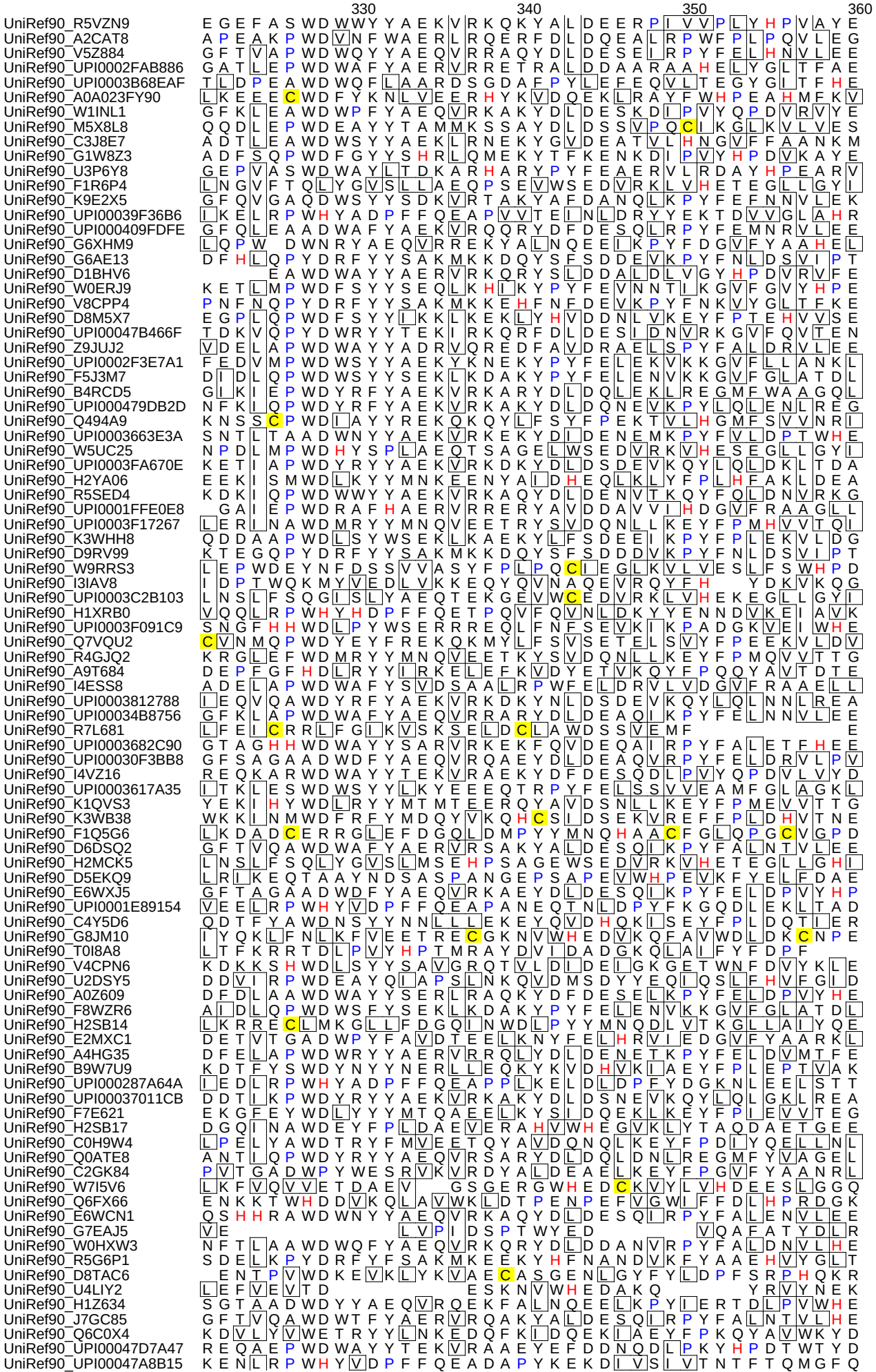

130
140
150
160
UniRef90_R5VZN9
UniRef90_A2CAT8
UniRef90_V5Z884 E M S P V M A A L N D D I M L N T K E S L R L V E V T W Q S F E L A G A R L N D
UniRef90_UPI0002FAB886
UniRef90_UPI0003B68EAF
UniRef90_A0A023FY90 L S T K L K E F E V E I E M R P D I F E K L L T L E K K D T S S L T P E M K R Y
UniRef90_W1INL1 E T S P K L A A M N D E I M L L D P E S R R L V E V T Y Q N F E L A G A N L S D
UniRef90_M5X8L8
UniRef90_C3J8E7 E I T P K L S A H S D A L Y L N D K L F E R V K A I H D D L S S L E P E D Q R L
UniRef90_G1W8Z3 K L S P I L T K H A N D V S L N E K H H R E L T P E E Q M L L N K S Y D G F V R
UniRef90_U3P6Y8
UniRef90_F1R6P4
UniRef90_K9E2X5
UniRef90_UPI00039F36B6
UniRef90_UPI000409FDFE
UniRef90_G6XHM9
UniRef90_G6AE13 E I V P L M T D F E N E I K F N Q K F F Q R Y D H E Y T K L T G E D K K L L E V
UniRef90_D1BHV6
UniRef90_W0ERJ9 R V Q P M L S E H S N N I S L N E K E R I K Y V Y D H R D Q L D L T P E Q Q T L
UniRef90_V8CPP4
UniRef90_D8M5X7
UniRef90_UPI00047B466F
UniRef90_Z9JUJ2
UniRef90_UPI0002F3E7A1 D V Q P K L T A L S N D I A L D P A L F A R V K A V Y E N W F L S K E D K R L
UniRef90_F5J3M7 R V Q P K L S A H S N E I S N L N P E Q I R L V E K T Y Q G F E N R G A T L T G
UniRef90_B4RCD5
UniRef90_UPI000479DB2D
UniRef90_Q494A9
UniRef90_UPI0003663E3A E M S P K F A A H S D A I Y L L D K E S S R L L D V Y Y Q R F E L A G A N L S T
UniRef90_W5UC25
UniRef90_UPI0003FA670E E M A P K L S E F S S K I T Q N E K L F N R I K A I Y E S D A V K D R P D Q Q R
UniRef90_H2YA06
UniRef90_R5SED4
UniRef90_UPI0001FFE0E8
UniRef90_UPI0003F17267 E F D V E M S M R Q D V Y Q R I V W L Q E K V E K D M L K P E A M R Y
UniRef90_K3WHH8
UniRef90_D9RV99 S I V P L M T E F E N E I K F N Q K F F Q R I Y D H E Y K T L K G E D K K L K D
UniRef90_W9RRS3
UniRef90_I3IAV8 K F V E L V S E I S N H L V A V D N Q G L D A L D K R F L E H L L R D F K R A G
UniRef90_UPI0003C2B103
UniRef90_H1XRB0
UniRef90_UPI0003F091C9
UniRef90_Q7VQU2
UniRef90_R4GJQ2 E A D K K L S E F D V E M S M R Q D V Y Q R I V W L Q E K A E S A S K P E A K R
UniRef90_A9T684
UniRef90_I4ESS8
UniRef90_UPI0003812788 K L S A F Y S K I N Q N E Q L F K R I S A V Y Q S D A V K A M T P A N Q R L V L
UniRef90_UPI00034B8756
UniRef90_R7L681
UniRef90_UPI0003682C90
UniRef90_UPI00030F3BB8
UniRef90_I4VZ16 D Y A P K L A A H R D A V S L N P A L F A R I Q Y D T R H Q L G L D A E G V R L
UniRef90_UPI0003617A35
UniRef90_K1QVS3
UniRef90_K3WB38 D V Y K V L H K F A S S P A F L S P V Q Q R Y V S K V V Q D F E R N G L Q L E E
UniRef90_F1Q5G6
UniRef90_D6DSQ2 Q F S T E L A G L A N D I E A L D A E S R R L T E E M Y Q H F V L A G A R L N A
UniRef90_H2MCK5
UniRef90_D5EKQ9
UniRef90_E6WXJ5 A L A P K L A E H S D T I H L D P K L F A R V K Y D Q R D S L G L T E E Q K T L
UniRef90_UPI0001E89154 K S T H A G W M A Q T T G E K K W A E E A G K A S S E F S L F Y A N E D R Y N Q
UniRef90_C4Y5D6
UniRef90_G8JM10
UniRef90_T0I8A8
UniRef90_V4CPN6
UniRef90_U2DSY5
UniRef90_A0Z609 R M S P Q F A E H G D A I L L D S Q L F N R I D Y R E R A N L S L E P E S L R L
UniRef90_F8WZR6 R I Q P K L S E H S N L E S N L T P E Q I R L V E K T Y R G F E N S Y K E L S T
UniRef90_H2SB14
UniRef90_E2MXC1 Q L T A H L D Q I R M R S D L W Q R I N A I D S V D D A A N P D E A K L L L K K
UniRef90_A4HG35
UniRef90_B9W7U9 S V K N D S S L D P E S K R Y L E K T L V S F K R N G L A L P E E T R E K V K K
UniRef90_UPI000287A64A
UniRef90_UPI00037011CB K I S A F F T K I T Q N A K L F E R V K E V Y E S D E L D N L T E E E Q R F A R
UniRef90_F7E621 D V R A A S T D A D K R L S R F D I E M S M R E D I F R R I V H L Q K L K V K P
UniRef90_H2SB17
UniRef90_C0H9W4 E F D V E M S M R E D V Y Q R I V A L E R K V D D D T L T Q E S K Q R N G L H L
UniRef90_Q0ATE8 E M S G E L S A F S S Q I T Q N E E E M A T L T P A Q Q R V V Q L T Y D G F A R
UniRef90_C2GK84 E M S P A L A E H E N A I Y Q N E A L Y E R I Q Q V T P P E A E G E R L K
UniRef90_W7I5V6
UniRef90_Q6FX66
UniRef90_E6WCN1
UniRef90_G7EAJ5
UniRef90_W0HXW3
UniRef90_R5G6P1 D V I P M L T A W E D E I T F F D R I K V V Y D N E Y E T L Q G E D K K L L K E
UniRef90_D8TAC6
UniRef90_U4LIY2
UniRef90_H1Z634
UniRef90_J7GC85
UniRef90_Q6C0X4 R V E A V H K Q L D E L K K T L D P E Y I R A I E K M Y K G Y V R S G L G L P E
UniRef90_UPI00047D7A47
UniRef90_UPI00047A8B15 E L S N Y Y K Y F S N K Q S F E L V Q Y Y L S Q N E I T S I

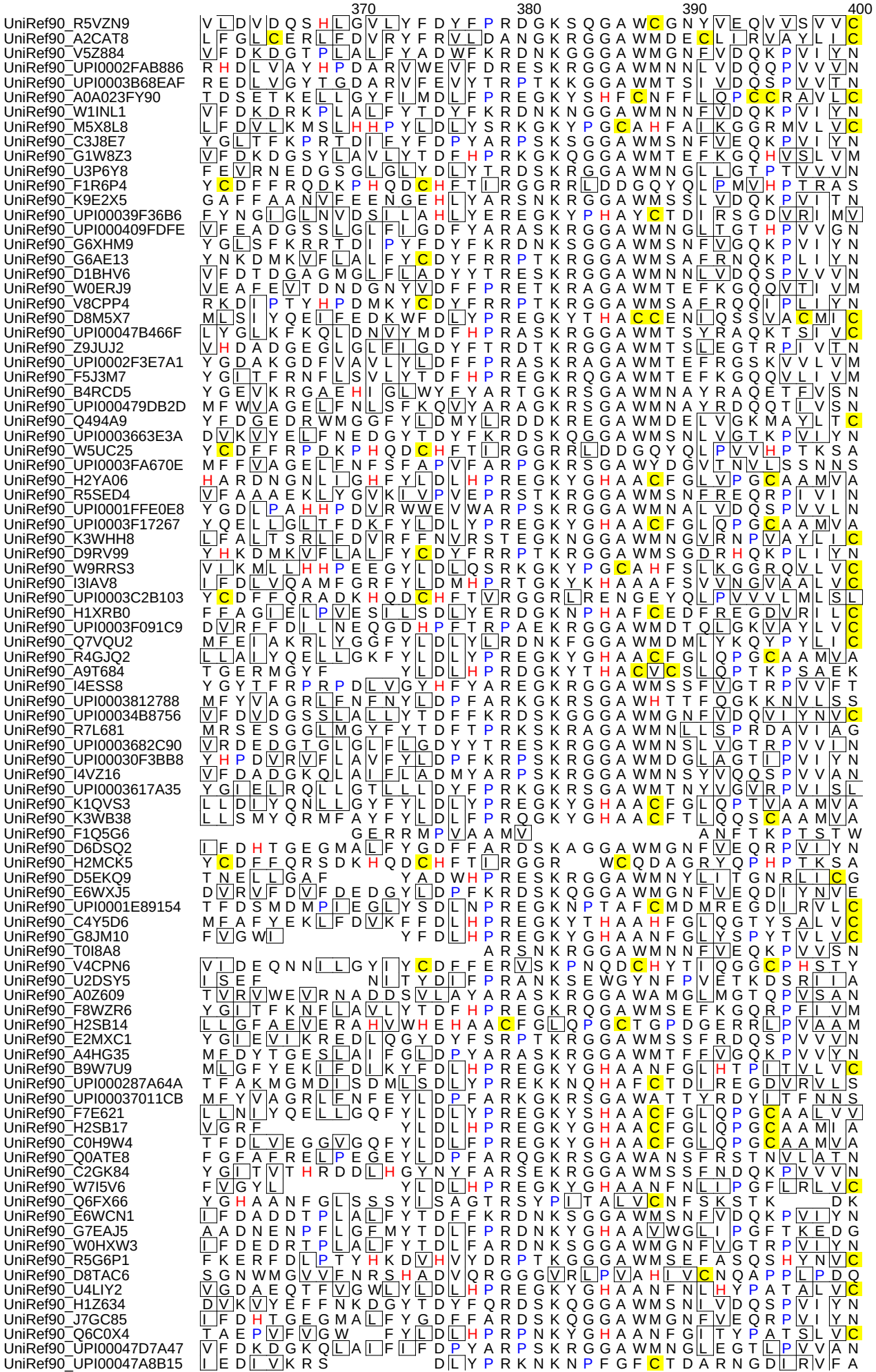

170
180
190
200
UniRef90_R5VZN9
UniRef90_A2CAT8
UniRef90_V5Z884
UniRef90_UPI0002FAB886
UniRef90_UPI0003B68EAF
UniRef90_A0A023FY90
UniRef90_W1INL1
UniRef90_M5X8L8
UniRef90_C3J8E7
UniRef90_G1W8Z3
UniRef90_U3P6Y8
UniRef90_F1R6P4
UniRef90_K9E2X5
UniRef90_UPI00039F36B6
UniRef90_UPI000409FDFE
UniRef90_G6XHM9
UniRef90_G6AE13
UniRef90_D1BHV6
UniRef90_W0ERJ9
UniRef90_V8CPP4
UniRef90_D8M5X7
UniRef90_UPI00047B466F
UniRef90_Z9JUJ2
UniRef90_UPI0002F3E7A1
UniRef90_F5J3M7
UniRef90_B4RCD5
UniRef90_UPI000479DB2D
UniRef90_Q494A9
UniRef90_UPI0003663E3A
UniRef90_W5UC25
UniRef90_UPI0003FA670E
UniRef90_H2YA06
UniRef90_R5SED4
UniRef90_UPI0001FFE0E8
UniRef90_UPI0003F17267
UniRef90_K3WHH8
UniRef90_D9RV99
UniRef90_W9RRS3
UniRef90_I3IAV8
UniRef90_UPI0003C2B103
UniRef90_H1XRB0
UniRef90_UPI0003F091C9
UniRef90_Q7VQU2
UniRef90_R4GJQ2
UniRef90_A9T684
UniRef90_I4ESS8
UniRef90_UPI0003812788
UniRef90_UPI00034B8756
UniRef90_R7L681
UniRef90_UPI0003682C90
UniRef90_UPI00030F3BB8
UniRef90_I4VZ16
UniRef90_UPI0003617A35
UniRef90_K1QVS3
UniRef90_K3WB38
UniRef90_F1Q5G6
UniRef90_D6DSQ2
UniRef90_H2MCK5
UniRef90_D5EKQ9
UniRef90_E6WXJ5
UniRef90_UPI0001E89154
UniRef90_C4Y5D6
UniRef90_G8JM10
UniRef90_T0I8A8
UniRef90_V4CPN6
UniRef90_U2DSY5
UniRef90_A0Z609
UniRef90_F8WZR6
UniRef90_H2SB14
UniRef90_E2MXC1
UniRef90_A4HG35
UniRef90_B9W7U9
UniRef90_UPI000287A64A
UniRef90_UPI00037011CB
UniRef90_F7E621
UniRef90_H2SB17
UniRef90_C0H9W4
UniRef90_Q0ATE8
UniRef90_C2GK84
UniRef90_W7I5V6
UniRef90_Q6FX66
UniRef90_E6WCN1
UniRef90_G7EAJ5
UniRef90_W0HXW3
UniRef90_R5G6P1
UniRef90_D8TAC6
UniRef90_U4LIY2
UniRef90_H1Z634
UniRef90_J7GC85
UniRef90_Q6C0X4
UniRef90_UPI00047D7A47
UniRef90_UPI00047A8B15

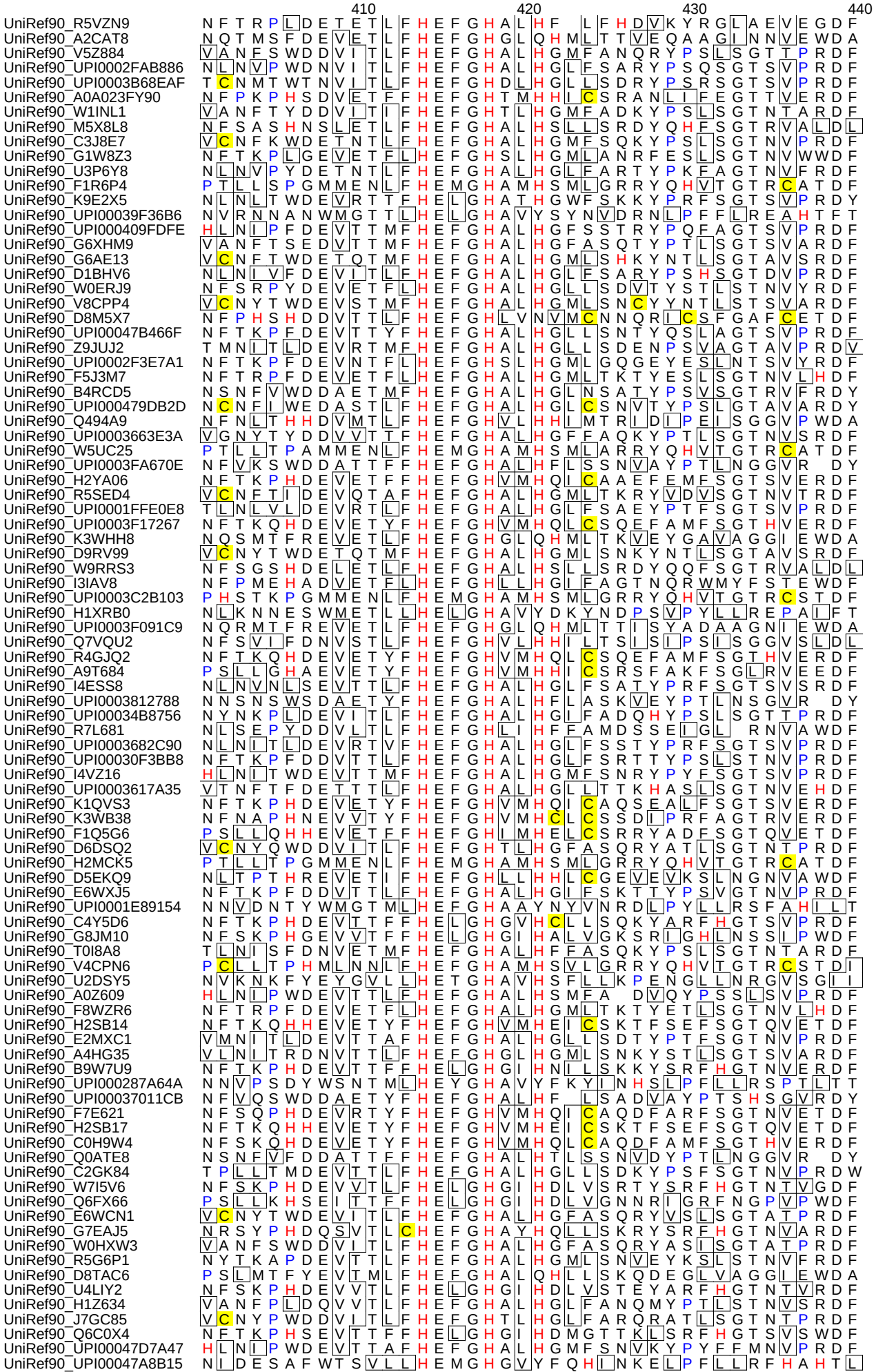

210
220
230
240
UniRef90_R5VZN9
UniRef90_A2CAT8
UniRef90_V5Z884
UniRef90_UPI0002FAB886
UniRef90_UPI0003B68EAF
UniRef90_A0A023FY90
UniRef90_W1INL1
UniRef90_M5X8L8
UniRef90_C3J8E7
UniRef90_G1W8Z3
UniRef90_U3P6Y8
UniRef90_F1R6P4
UniRef90_K9E2X5
UniRef90_UPI00039F36B6
UniRef90_UPI000409FDFE
UniRef90_G6XHM9
UniRef90_G6AE13
UniRef90_D1BHV6
UniRef90_W0ERJ9
UniRef90_V8CPP4
UniRef90_D8M5X7
UniRef90_UPI00047B466F
UniRef90_Z9JUJ2
UniRef90_UPI0002F3E7A1
UniRef90_F5J3M7
UniRef90_B4RCD5
UniRef90_UPI000479DB2D
UniRef90_Q494A9
UniRef90_UPI0003663E3A
UniRef90_W5UC25
UniRef90_UPI0003FA670E
UniRef90_H2YA06
UniRef90_R5SED4
UniRef90_UPI0001FFE0E8
UniRef90_UPI0003F17267
UniRef90_K3WHH8
UniRef90_D9RV99
UniRef90_W9RRS3
UniRef90_I3IAV8
UniRef90_UPI0003C2B103
UniRef90_H1XRB0
UniRef90_UPI0003F091C9
UniRef90_Q7VQU2
UniRef90_R4GJQ2
UniRef90_A9T684
UniRef90_I4ESS8
UniRef90_UPI0003812788
UniRef90_UPI00034B8756
UniRef90_R7L681
UniRef90_UPI0003682C90
UniRef90_UPI00030F3BB8
UniRef90_I4VZ16
UniRef90_UPI0003617A35
UniRef90_K1QVS3
UniRef90_K3WB38
UniRef90_F1Q5G6
UniRef90_D6DSQ2
UniRef90_H2MCK5
UniRef90_D5EKQ9
UniRef90_E6WXJ5
UniRef90_UPI0001E89154
UniRef90_C4Y5D6
UniRef90_G8JM10
UniRef90_T0I8A8
UniRef90_V4CPN6
UniRef90_U2DSY5
UniRef90_A0Z609
UniRef90_F8WZR6
UniRef90_H2SB14
UniRef90_E2MXC1
UniRef90_A4HG35
UniRef90_B9W7U9
UniRef90_UPI000287A64A
UniRef90_UPI00037011CB
UniRef90_F7E621
UniRef90_H2SB17
UniRef90_C0H9W4
UniRef90_Q0ATE8
UniRef90_C2GK84
UniRef90_W7I5V6
UniRef90_Q6FX66
UniRef90_E6WCN1
UniRef90_G7EAJ5
UniRef90_W0HXW3
UniRef90_R5G6P1
UniRef90_D8TAC6
UniRef90_U4LIY2
UniRef90_H1Z634
UniRef90_J7GC85
UniRef90_Q6C0X4
UniRef90_UPI00047D7A47
UniRef90_UPI00047A8B15

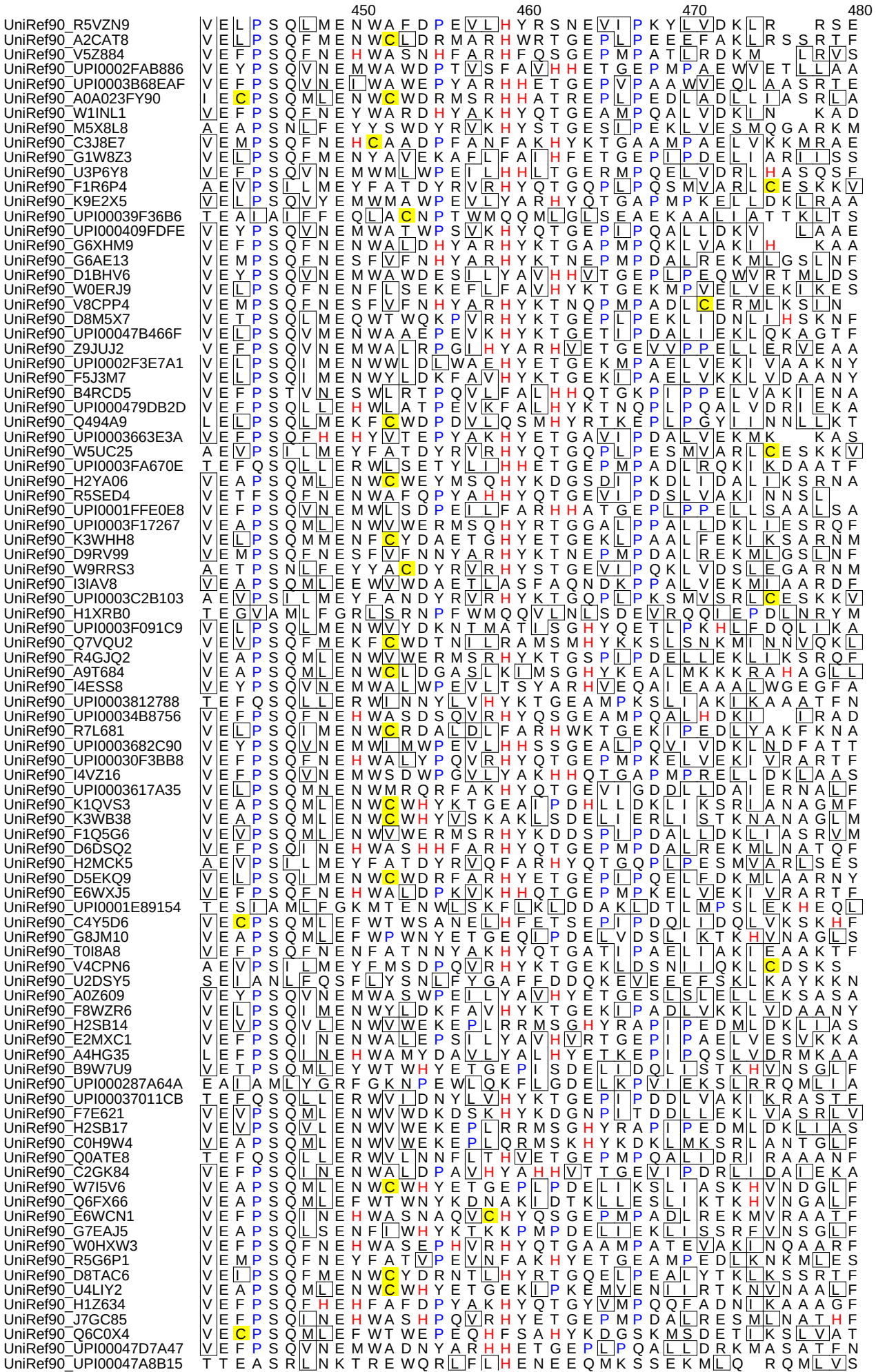

250
260
270
280
UniRef90_R5VZN9
UniRef90_A2CAT8
UniRef90_V5Z884
UniRef90_UPI0002FAB886
UniRef90_UPI0003B68EAF
UniRef90_A0A023FY90
UniRef90_W1INL1
UniRef90_M5X8L8
UniRef90_C3J8E7
UniRef90_G1W8Z3
UniRef90_U3P6Y8
UniRef90_F1R6P4
UniRef90_K9E2X5
UniRef90_UPI00039F36B6
UniRef90_UPI000409FDFE
UniRef90_G6XHM9
UniRef90_G6AE13
UniRef90_D1BHV6
UniRef90_W0ERJ9
UniRef90_V8CPP4
UniRef90_D8M5X7
UniRef90_UPI00047B466F
UniRef90_Z9JUJ2
UniRef90_UPI0002F3E7A1
UniRef90_F5J3M7
UniRef90_B4RCD5
UniRef90_UPI000479DB2D
UniRef90_Q494A9
UniRef90_UPI0003663E3A
UniRef90_W5UC25
UniRef90_UPI0003FA670E
UniRef90_H2YA06
UniRef90_R5SED4
UniRef90_UPI0001FFE0E8
UniRef90_UPI0003F17267
UniRef90_K3WHH8
UniRef90_D9RV99
UniRef90_W9RRS3
UniRef90_I3IAV8
UniRef90_UPI0003C2B103
UniRef90_H1XRB0
UniRef90_UPI0003F091C9
UniRef90_Q7VQU2
UniRef90_R4GJQ2
UniRef90_A9T684
UniRef90_I4ESS8
UniRef90_UPI0003812788
UniRef90_UPI00034B8756
UniRef90_R7L681
UniRef90_UPI0003682C90
UniRef90_UPI00030F3BB8
UniRef90_I4VZ16
UniRef90_UPI0003617A35
UniRef90_K1QVS3
UniRef90_K3WB38
UniRef90_F1Q5G6
UniRef90_D6DSQ2
UniRef90_H2MCK5
UniRef90_D5EKQ9
UniRef90_E6WXJ5
UniRef90_UPI0001E89154
UniRef90_C4Y5D6
UniRef90_G8JM10
UniRef90_T0I8A8
UniRef90_V4CPN6
UniRef90_U2DSY5
UniRef90_A0Z609
UniRef90_F8WZR6
UniRef90_H2SB14
UniRef90_E2MXC1
UniRef90_A4HG35
UniRef90_B9W7U9
UniRef90_UPI000287A64A
UniRef90_UPI00037011CB
UniRef90_F7E621
UniRef90_H2SB17
UniRef90_C0H9W4
UniRef90_Q0ATE8
UniRef90_C2GK84
UniRef90_W7I5V6
UniRef90_Q6FX66
UniRef90_E6WCN1
UniRef90_G7EAJ5
UniRef90_W0HXW3
UniRef90_R5G6P1
UniRef90_D8TAC6
UniRef90_U4LIY2
UniRef90_H1Z634
UniRef90_J7GC85
UniRef90_Q6C0X4
UniRef90_UPI00047D7A47
UniRef90_UPI00047A8B15

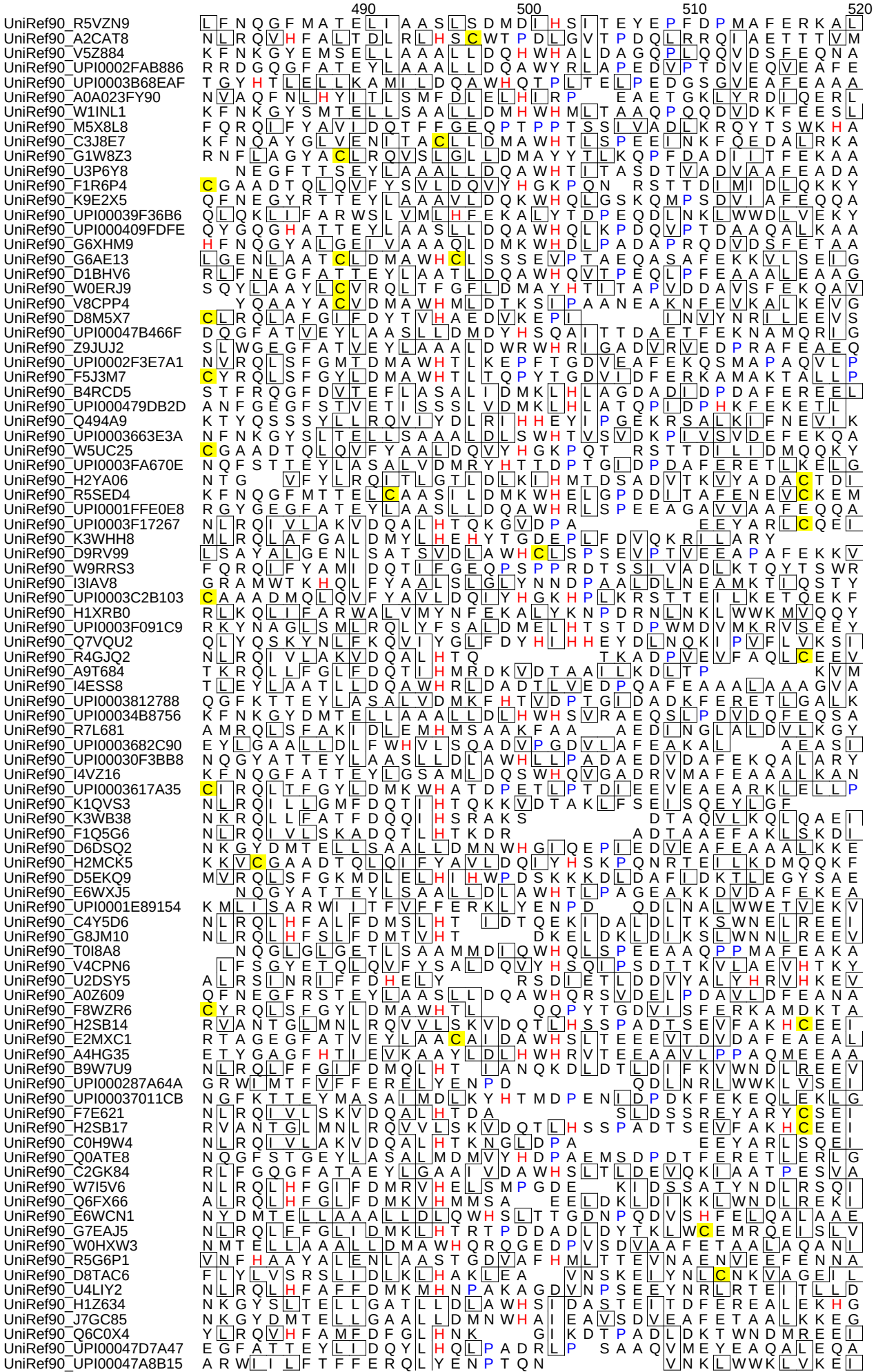

290
300
310
320
UniRef90_R5VZN9
UniRef90_A2CAT8
UniRef90_V5Z884
UniRef90_UPI0002FAB886
UniRef90_UPI0003B68EAF
UniRef90_A0A023FY90
UniRef90_W1INL1
UniRef90_M5X8L8
UniRef90_C3J8E7
UniRef90_G1W8Z3
UniRef90_U3P6Y8
UniRef90_F1R6P4
UniRef90_K9E2X5
UniRef90_UPI00039F36B6
UniRef90_UPI000409FDFE
UniRef90_G6XHM9
UniRef90_G6AE13
UniRef90_D1BHV6
UniRef90_W0ERJ9
UniRef90_V8CPP4
UniRef90_D8M5X7
UniRef90_UPI00047B466F
UniRef90_Z9JUJ2
UniRef90_UPI0002F3E7A1
UniRef90_F5J3M7
UniRef90_B4RCD5
UniRef90_UPI000479DB2D
UniRef90_Q494A9
UniRef90_UPI0003663E3A
UniRef90_W5UC25
UniRef90_UPI0003FA670E
UniRef90_H2YA06
UniRef90_R5SED4
UniRef90_UPI0001FFE0E8
UniRef90_UPI0003F17267
UniRef90_K3WHH8
UniRef90_D9RV99
UniRef90_W9RRS3
UniRef90_I3IAV8
UniRef90_UPI0003C2B103
UniRef90_H1XRB0
UniRef90_UPI0003F091C9
UniRef90_Q7VQU2
UniRef90_R4GJQ2
UniRef90_A9T684
UniRef90_I4ESS8
UniRef90_UPI0003812788
UniRef90_UPI00034B8756
UniRef90_R7L681
UniRef90_UPI0003682C90
UniRef90_UPI00030F3BB8
UniRef90_I4VZ16
UniRef90_UPI0003617A35
UniRef90_K1QVS3
UniRef90_K3WB38
UniRef90_F1Q5G6
UniRef90_D6DSQ2
UniRef90_H2MCK5
UniRef90_D5EKQ9
UniRef90_E6WXJ5
UniRef90_UPI0001E89154
UniRef90_C4Y5D6
UniRef90_G8JM10
UniRef90_T0I8A8
UniRef90_V4CPN6
UniRef90_U2DSY5
UniRef90_A0Z609
UniRef90_F8WZR6
UniRef90_H2SB14
UniRef90_E2MXC1
UniRef90_A4HG35
UniRef90_B9W7U9
UniRef90_UPI000287A64A
UniRef90_UPI00037011CB
UniRef90_F7E621
UniRef90_H2SB17
UniRef90_C0H9W4
UniRef90_Q0ATE8
UniRef90_C2GK84
UniRef90_W7I5V6
UniRef90_Q6FX66
UniRef90_E6WCN1
UniRef90_G7EAJ5
UniRef90_W0HXW3
UniRef90_R5G6P1
UniRef90_D8TAC6
UniRef90_U4LIY2
UniRef90_H1Z634
UniRef90_J7GC85
UniRef90_Q6C0X4
UniRef90_UPI00047D7A47
UniRef90_UPI00047A8B15

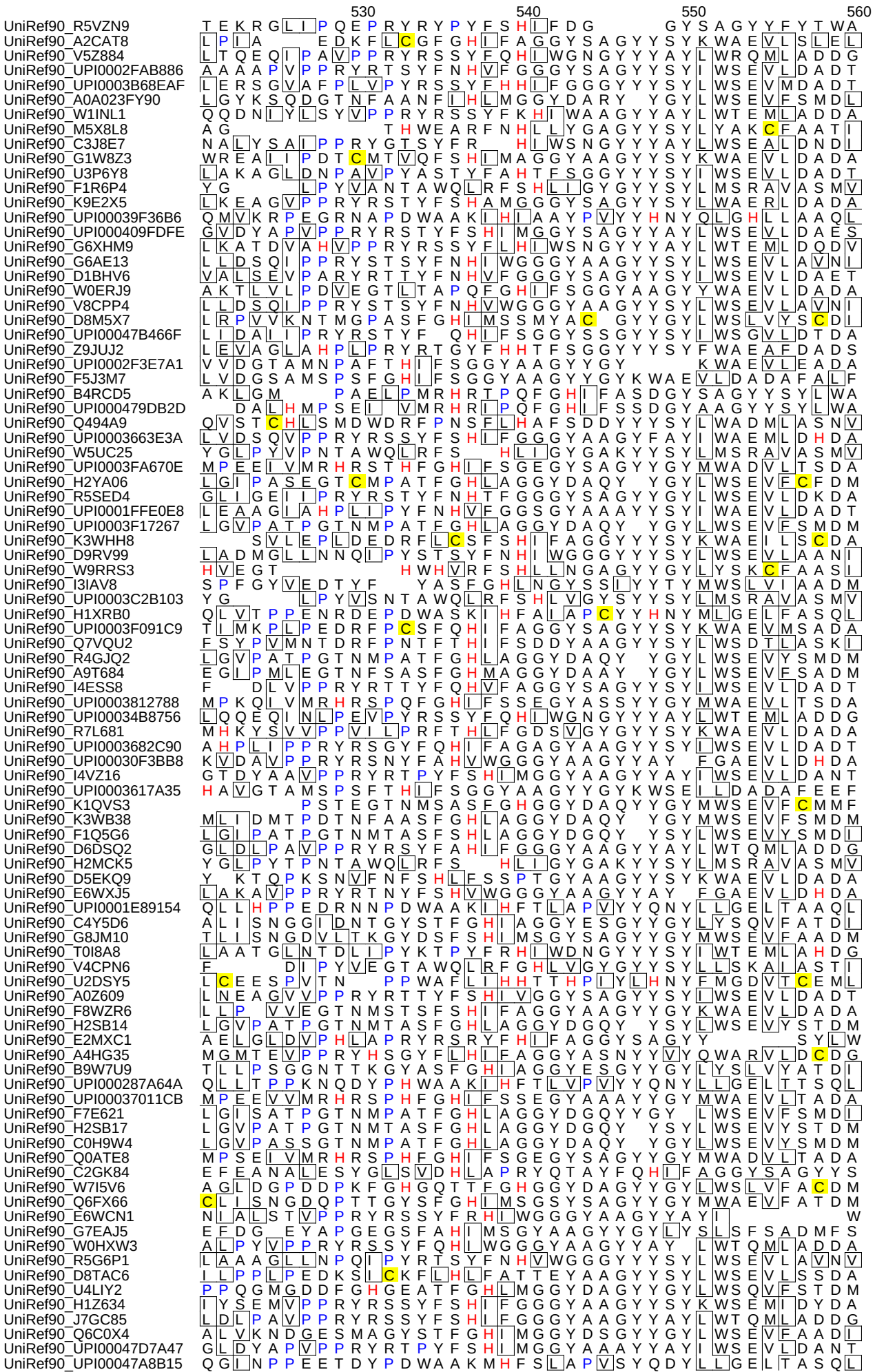

330
340
350
360
UniRef90_R5VZN9
UniRef90_A2CAT8
UniRef90_V5Z884
UniRef90_UPI0002FAB886
UniRef90_UPI0003B68EAF
UniRef90_A0A023FY90
UniRef90_W1INL1
UniRef90_M5X8L8
UniRef90_C3J8E7
UniRef90_G1W8Z3
UniRef90_U3P6Y8
UniRef90_F1R6P4
UniRef90_K9E2X5
UniRef90_UPI00039F36B6
UniRef90_UPI000409FDFE
UniRef90_G6XHM9
UniRef90_G6AE13
UniRef90_D1BHV6
UniRef90_W0ERJ9
UniRef90_V8CPP4
UniRef90_D8M5X7
UniRef90_UPI00047B466F
UniRef90_Z9JUJ2
UniRef90_UPI0002F3E7A1
UniRef90_F5J3M7
UniRef90_B4RCD5
UniRef90_UPI000479DB2D
UniRef90_Q494A9
UniRef90_UPI0003663E3A
UniRef90_W5UC25
UniRef90_UPI0003FA670E
UniRef90_H2YA06
UniRef90_R5SED4
UniRef90_UPI0001FFE0E8
UniRef90_UPI0003F17267
UniRef90_K3WHH8
UniRef90_D9RV99
UniRef90_W9RRS3
UniRef90_I3IAV8
UniRef90_UPI0003C2B103
UniRef90_H1XRB0
UniRef90_UPI0003F091C9
UniRef90_Q7VQU2
UniRef90_R4GJQ2
UniRef90_A9T684
UniRef90_I4ESS8
UniRef90_UPI0003812788
UniRef90_UPI00034B8756
UniRef90_R7L681
UniRef90_UPI0003682C90
UniRef90_UPI00030F3BB8
UniRef90_I4VZ16
UniRef90_UPI0003617A35
UniRef90_K1QVS3
UniRef90_K3WB38
UniRef90_F1Q5G6
UniRef90_D6DSQ2
UniRef90_H2MCK5
UniRef90_D5EKQ9
UniRef90_E6WXJ5
UniRef90_UPI0001E89154
UniRef90_C4Y5D6
UniRef90_G8JM10
UniRef90_T0I8A8
UniRef90_V4CPN6
UniRef90_U2DSY5
UniRef90_A0Z609
UniRef90_F8WZR6
UniRef90_H2SB14
UniRef90_E2MXC1
UniRef90_A4HG35
UniRef90_B9W7U9
UniRef90_UPI000287A64A
UniRef90_UPI00037011CB
UniRef90_F7E621
UniRef90_H2SB17
UniRef90_C0H9W4
UniRef90_Q0ATE8
UniRef90_C2GK84
UniRef90_W7I5V6
UniRef90_Q6FX66
UniRef90_E6WCN1
UniRef90_G7EAJ5
UniRef90_W0HXW3
UniRef90_R5G6P1
UniRef90_D8TAC6
UniRef90_U4LIY2
UniRef90_H1Z634
UniRef90_J7GC85
UniRef90_Q6C0X4
UniRef90_UPI00047D7A47
UniRef90_UPI00047A8B15

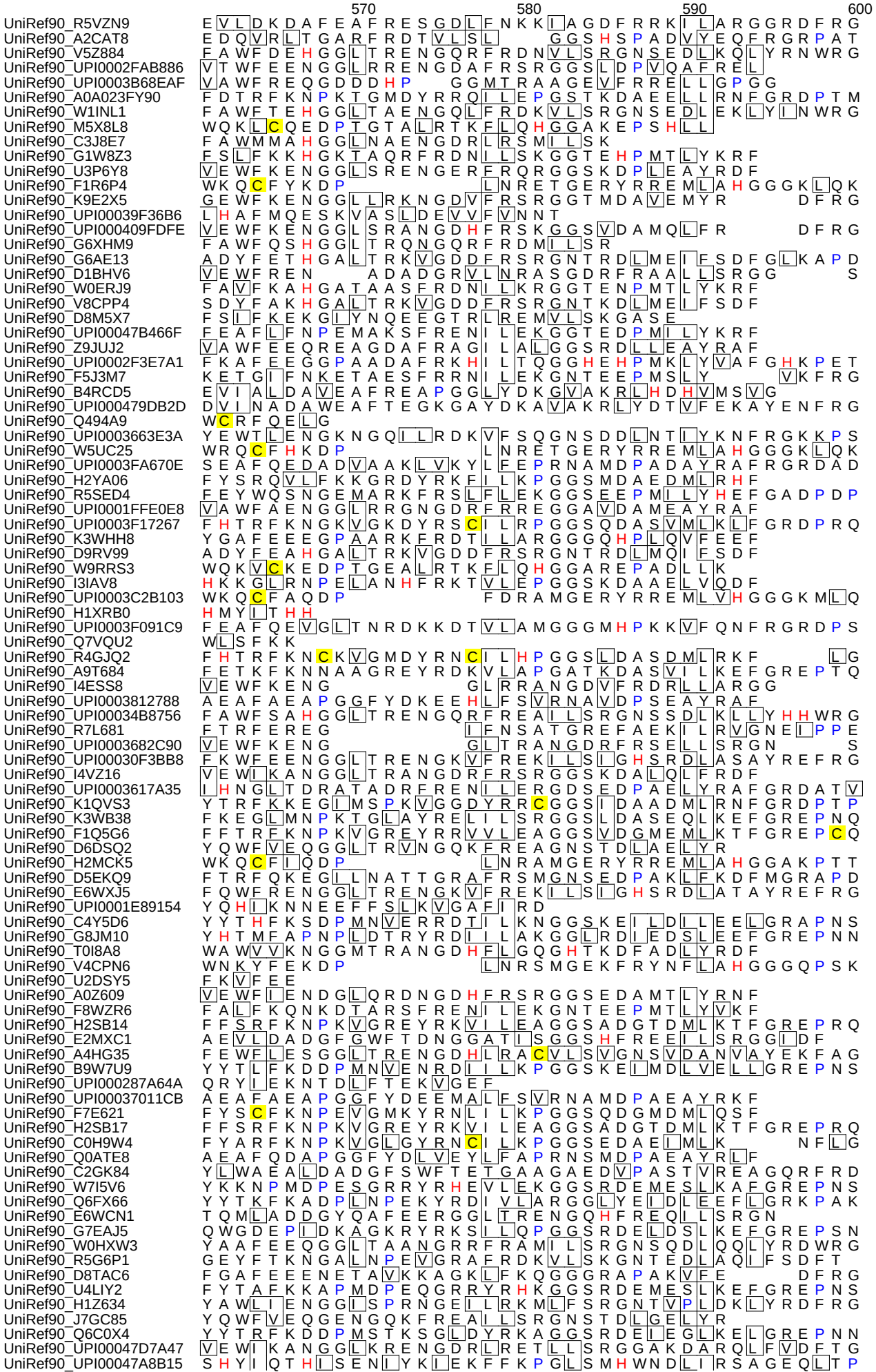

370
380
390
400
UniRef90_R5VZN9
UniRef90_A2CAT8
UniRef90_V5Z884
UniRef90_UPI0002FAB886
UniRef90_UPI0003B68EAF
UniRef90_A0A023FY90
UniRef90_W1INL1
UniRef90_M5X8L8
UniRef90_C3J8E7
UniRef90_G1W8Z3
UniRef90_U3P6Y8
UniRef90_F1R6P4
UniRef90_K9E2X5
UniRef90_UPI00039F36B6
UniRef90_UPI000409FDFE
UniRef90_G6XHM9
UniRef90_G6AE13
UniRef90_D1BHV6
UniRef90_W0ERJ9
UniRef90_V8CPP4
UniRef90_D8M5X7
UniRef90_UPI00047B466F
UniRef90_Z9JUJ2
UniRef90_UPI0002F3E7A1
UniRef90_F5J3M7
UniRef90_B4RCD5
UniRef90_UPI000479DB2D
UniRef90_Q494A9
UniRef90_UPI0003663E3A
UniRef90_W5UC25
UniRef90_UPI0003FA670E
UniRef90_H2YA06
UniRef90_R5SED4
UniRef90_UPI0001FFE0E8
UniRef90_UPI0003F17267
UniRef90_K3WHH8
UniRef90_D9RV99
UniRef90_W9RRS3
UniRef90_I3IAV8
UniRef90_UPI0003C2B103
UniRef90_H1XRB0
UniRef90_UPI0003F091C9
UniRef90_Q7VQU2
UniRef90_R4GJQ2
UniRef90_A9T684
UniRef90_I4ESS8
UniRef90_UPI0003812788
UniRef90_UPI00034B8756
UniRef90_R7L681
UniRef90_UPI0003682C90
UniRef90_UPI00030F3BB8
UniRef90_I4VZ16
UniRef90_UPI0003617A35
UniRef90_K1QVS3
UniRef90_K3WB38
UniRef90_F1Q5G6
UniRef90_D6DSQ2
UniRef90_H2MCK5
UniRef90_D5EKQ9
UniRef90_E6WXJ5
UniRef90_UPI0001E89154
UniRef90_C4Y5D6
UniRef90_G8JM10
UniRef90_T0I8A8
UniRef90_V4CPN6
UniRef90_U2DSY5
UniRef90_A0Z609
UniRef90_F8WZR6
UniRef90_H2SB14
UniRef90_E2MXC1
UniRef90_A4HG35
UniRef90_B9W7U9
UniRef90_UPI000287A64A
UniRef90_UPI00037011CB
UniRef90_F7E621
UniRef90_H2SB17
UniRef90_C0H9W4
UniRef90_Q0ATE8
UniRef90_C2GK84
UniRef90_W7I5V6
UniRef90_Q6FX66
UniRef90_E6WCN1
UniRef90_G7EAJ5
UniRef90_W0HXW3
UniRef90_R5G6P1
UniRef90_D8TAC6
UniRef90_U4LIY2
UniRef90_H1Z634
UniRef90_J7GC85
UniRef90_Q6C0X4
UniRef90_UPI00047D7A47
UniRef90_UPI00047A8B15


410
420
430
440
UniRef90_R5VZN9
UniRef90_A2CAT8
UniRef90_V5Z884
UniRef90_UPI0002FAB886
UniRef90_UPI0003B68EAF
UniRef90_A0A023FY90
UniRef90_W1INL1
UniRef90_M5X8L8
UniRef90_C3J8E7
UniRef90_G1W8Z3
UniRef90_U3P6Y8
UniRef90_F1R6P4
UniRef90_K9E2X5
UniRef90_UPI00039F36B6
UniRef90_UPI000409FDFE
UniRef90_G6XHM9
UniRef90_G6AE13
UniRef90_D1BHV6
UniRef90_W0ERJ9
UniRef90_V8CPP4
UniRef90_D8M5X7
UniRef90_UPI00047B466F
UniRef90_Z9JUJ2
UniRef90_UPI0002F3E7A1
UniRef90_F5J3M7
UniRef90_B4RCD5
UniRef90_UPI000479DB2D
UniRef90_Q494A9
UniRef90_UPI0003663E3A
UniRef90_W5UC25
UniRef90_UPI0003FA670E
UniRef90_H2YA06
UniRef90_R5SED4
UniRef90_UPI0001FFE0E8
UniRef90_UPI0003F17267
UniRef90_K3WHH8
UniRef90_D9RV99
UniRef90_W9RRS3
UniRef90_I3IAV8
UniRef90_UPI0003C2B103
UniRef90_H1XRB0
UniRef90_UPI0003F091C9
UniRef90_Q7VQU2
UniRef90_R4GJQ2
UniRef90_A9T684
UniRef90_I4ESS8
UniRef90_UPI0003812788
UniRef90_UPI00034B8756
UniRef90_R7L681
UniRef90_UPI0003682C90
UniRef90_UPI00030F3BB8
UniRef90_I4VZ16
UniRef90_UPI0003617A35
UniRef90_K1QVS3
UniRef90_K3WB38
UniRef90_F1Q5G6
UniRef90_D6DSQ2
UniRef90_H2MCK5
UniRef90_D5EKQ9
UniRef90_E6WXJ5
UniRef90_UPI0001E89154
UniRef90_C4Y5D6
UniRef90_G8JM10
UniRef90_T0I8A8
UniRef90_V4CPN6
UniRef90_U2DSY5
UniRef90_A0Z609
UniRef90_F8WZR6
UniRef90_H2SB14
UniRef90_E2MXC1
UniRef90_A4HG35
UniRef90_B9W7U9
UniRef90_UPI000287A64A
UniRef90_UPI00037011CB
UniRef90_F7E621
UniRef90_H2SB17
UniRef90_C0H9W4
UniRef90_Q0ATE8
UniRef90_C2GK84
UniRef90_W7I5V6
UniRef90_Q6FX66
UniRef90_E6WCN1
UniRef90_G7EAJ5
UniRef90_W0HXW3
UniRef90_R5G6P1
UniRef90_D8TAC6
UniRef90_U4LIY2
UniRef90_H1Z634
UniRef90_J7GC85
UniRef90_Q6C0X4
UniRef90_UPI00047D7A47
UniRef90_UPI00047A8B15

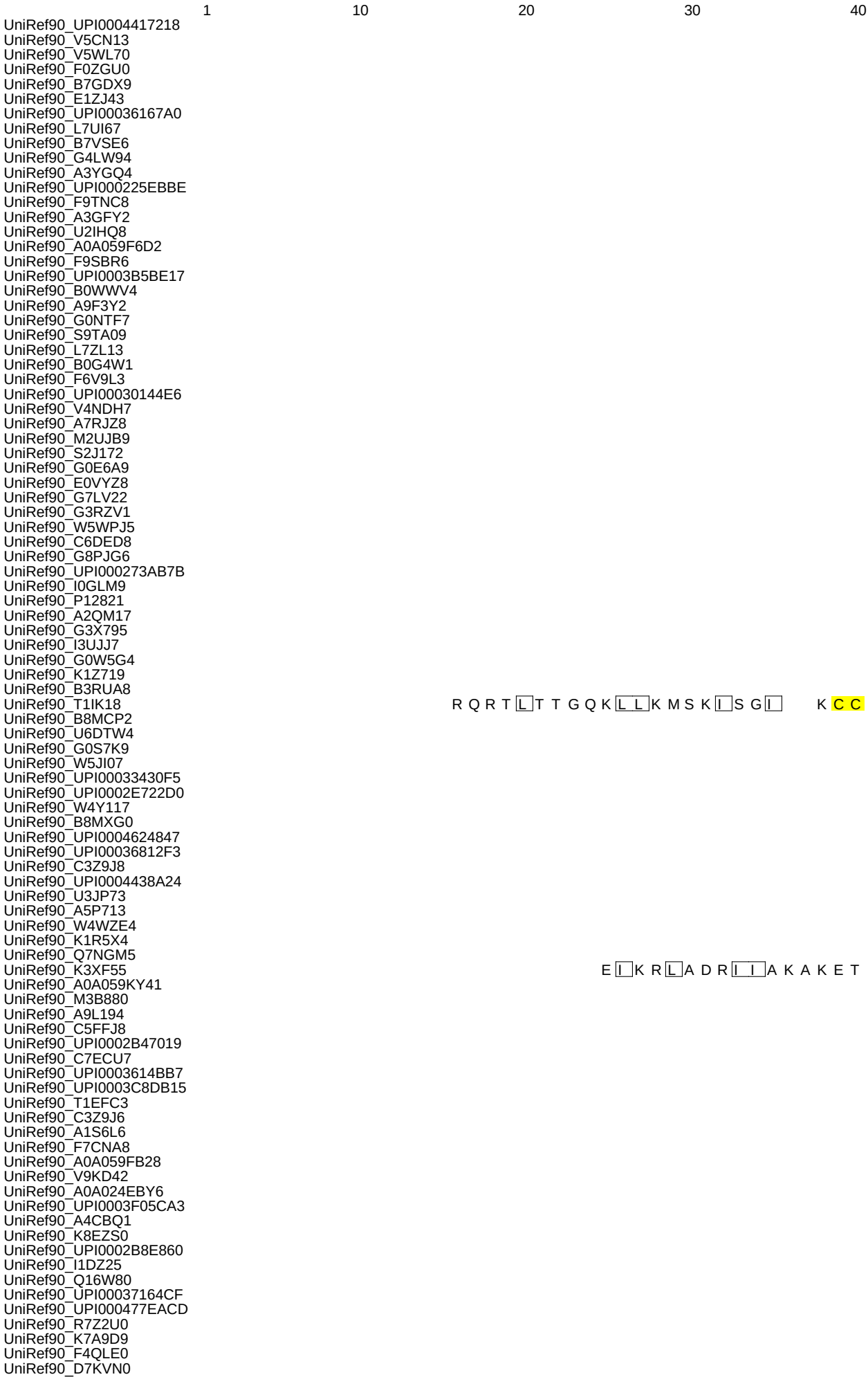

450
460
470
480
UniRef90_R5VZN9
UniRef90_A2CAT8
UniRef90_V5Z884
UniRef90_UPI0002FAB886
UniRef90_UPI0003B68EAF
UniRef90_A0A023FY90
UniRef90_W1INL1
UniRef90_M5X8L8
UniRef90_C3J8E7
UniRef90_G1W8Z3
UniRef90_U3P6Y8
UniRef90_F1R6P4
UniRef90_K9E2X5
UniRef90_UPI00039F36B6
UniRef90_UPI000409FDFE
UniRef90_G6XHM9
UniRef90_G6AE13
UniRef90_D1BHV6
UniRef90_W0ERJ9
UniRef90_V8CPP4
UniRef90_D8M5X7
UniRef90_UPI00047B466F
UniRef90_Z9JUJ2
UniRef90_UPI0002F3E7A1
UniRef90_F5J3M7
UniRef90_B4RCD5
UniRef90_UPI000479DB2D
UniRef90_Q494A9
UniRef90_UPI0003663E3A
UniRef90_W5UC25
UniRef90_UPI0003FA670E
UniRef90_H2YA06
UniRef90_R5SED4
UniRef90_UPI0001FFE0E8
UniRef90_UPI0003F17267
UniRef90_K3WHH8
UniRef90_D9RV99
UniRef90_W9RRS3
UniRef90_I3IAV8
UniRef90_UPI0003C2B103
UniRef90_H1XRB0
UniRef90_UPI0003F091C9
UniRef90_Q7VQU2
UniRef90_R4GJQ2
UniRef90_A9T684
UniRef90_I4ESS8
UniRef90_UPI0003812788
UniRef90_UPI00034B8756
UniRef90_R7L681
UniRef90_UPI0003682C90
UniRef90_UPI00030F3BB8
UniRef90_I4VZ16
UniRef90_UPI0003617A35
UniRef90_K1QVS3
UniRef90_K3WB38
UniRef90_F1Q5G6
UniRef90_D6DSQ2
UniRef90_H2MCK5
UniRef90_D5EKQ9
UniRef90_E6WXJ5
UniRef90_UPI0001E89154
UniRef90_C4Y5D6
UniRef90_G8JM10
UniRef90_T0I8A8
UniRef90_V4CPN6
UniRef90_U2DSY5
UniRef90_A0Z609
UniRef90_F8WZR6
UniRef90_H2SB14
UniRef90_E2MXC1
UniRef90_A4HG35
UniRef90_B9W7U9
UniRef90_UPI000287A64A
UniRef90_UPI00037011CB
UniRef90_F7E621
UniRef90_H2SB17
UniRef90_C0H9W4
UniRef90_Q0ATE8
UniRef90_C2GK84
UniRef90_W7I5V6
UniRef90_Q6FX66
UniRef90_E6WCN1
UniRef90_G7EAJ5
UniRef90_W0HXW3
UniRef90_R5G6P1
UniRef90_D8TAC6
UniRef90_U4LIY2
UniRef90_H1Z634
UniRef90_J7GC85
UniRef90_Q6C0X4
UniRef90_UPI00047D7A47
UniRef90_UPI00047A8B15

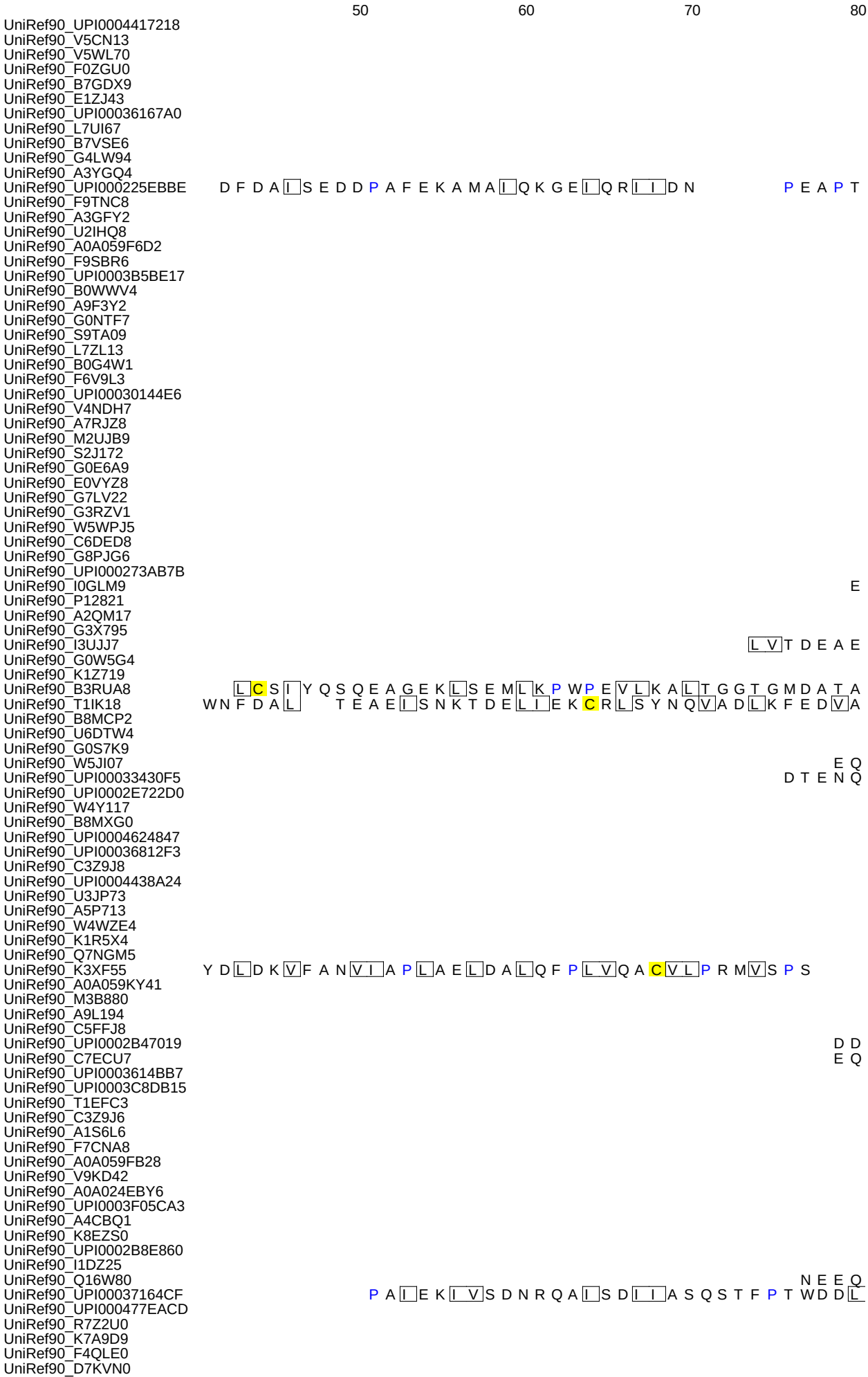

490
500
510
520
UniRef90_R5VZN9
UniRef90_A2CAT8
UniRef90_V5Z884
UniRef90_UPI0002FAB886
UniRef90_UPI0003B68EAF
UniRef90_A0A023FY90
UniRef90_W1INL1
UniRef90_M5X8L8
UniRef90_C3J8E7
UniRef90_G1W8Z3
UniRef90_U3P6Y8
UniRef90_F1R6P4
UniRef90_K9E2X5
UniRef90_UPI00039F36B6
UniRef90_UPI000409FDFE
UniRef90_G6XHM9
UniRef90_G6AE13
UniRef90_D1BHV6
UniRef90_W0ERJ9
UniRef90_V8CPP4
UniRef90_D8M5X7
UniRef90_UPI00047B466F
UniRef90_Z9JUJ2
UniRef90_UPI0002F3E7A1
UniRef90_F5J3M7
UniRef90_B4RCD5
UniRef90_UPI000479DB2D
UniRef90_Q494A9
UniRef90_UPI0003663E3A
UniRef90_W5UC25
UniRef90_UPI0003FA670E
UniRef90_H2YA06
UniRef90_R5SED4
UniRef90_UPI0001FFE0E8
UniRef90_UPI0003F17267
UniRef90_K3WHH8
UniRef90_D9RV99
UniRef90_W9RRS3
UniRef90_I3IAV8
UniRef90_UPI0003C2B103
UniRef90_H1XRB0
UniRef90_UPI0003F091C9
UniRef90_Q7VQU2
UniRef90_R4GJQ2
UniRef90_A9T684
UniRef90_I4ESS8
UniRef90_UPI0003812788
UniRef90_UPI00034B8756
UniRef90_R7L681
UniRef90_UPI0003682C90
UniRef90_UPI00030F3BB8
UniRef90_I4VZ16
UniRef90_UPI0003617A35
UniRef90_K1QVS3
UniRef90_K3WB38
UniRef90_F1Q5G6
UniRef90_D6DSQ2
UniRef90_H2MCK5
UniRef90_D5EKQ9
UniRef90_E6WXJ5
UniRef90_UPI0001E89154
UniRef90_C4Y5D6
UniRef90_G8JM10
UniRef90_T0I8A8
UniRef90_V4CPN6
UniRef90_U2DSY5
UniRef90_A0Z609
UniRef90_F8WZR6
UniRef90_H2SB14
UniRef90_E2MXC1
UniRef90_A4HG35
UniRef90_B9W7U9
UniRef90_UPI000287A64A
UniRef90_UPI00037011CB
UniRef90_F7E621
UniRef90_H2SB17
UniRef90_C0H9W4
UniRef90_Q0ATE8
UniRef90_C2GK84
UniRef90_W7I5V6
UniRef90_Q6FX66
UniRef90_E6WCN1
UniRef90_G7EAJ5
UniRef90_W0HXW3
UniRef90_R5G6P1
UniRef90_D8TAC6
UniRef90_U4LIY2
UniRef90_H1Z634
UniRef90_J7GC85
UniRef90_Q6C0X4
UniRef90_UPI00047D7A47
UniRef90_UPI00047A8B15

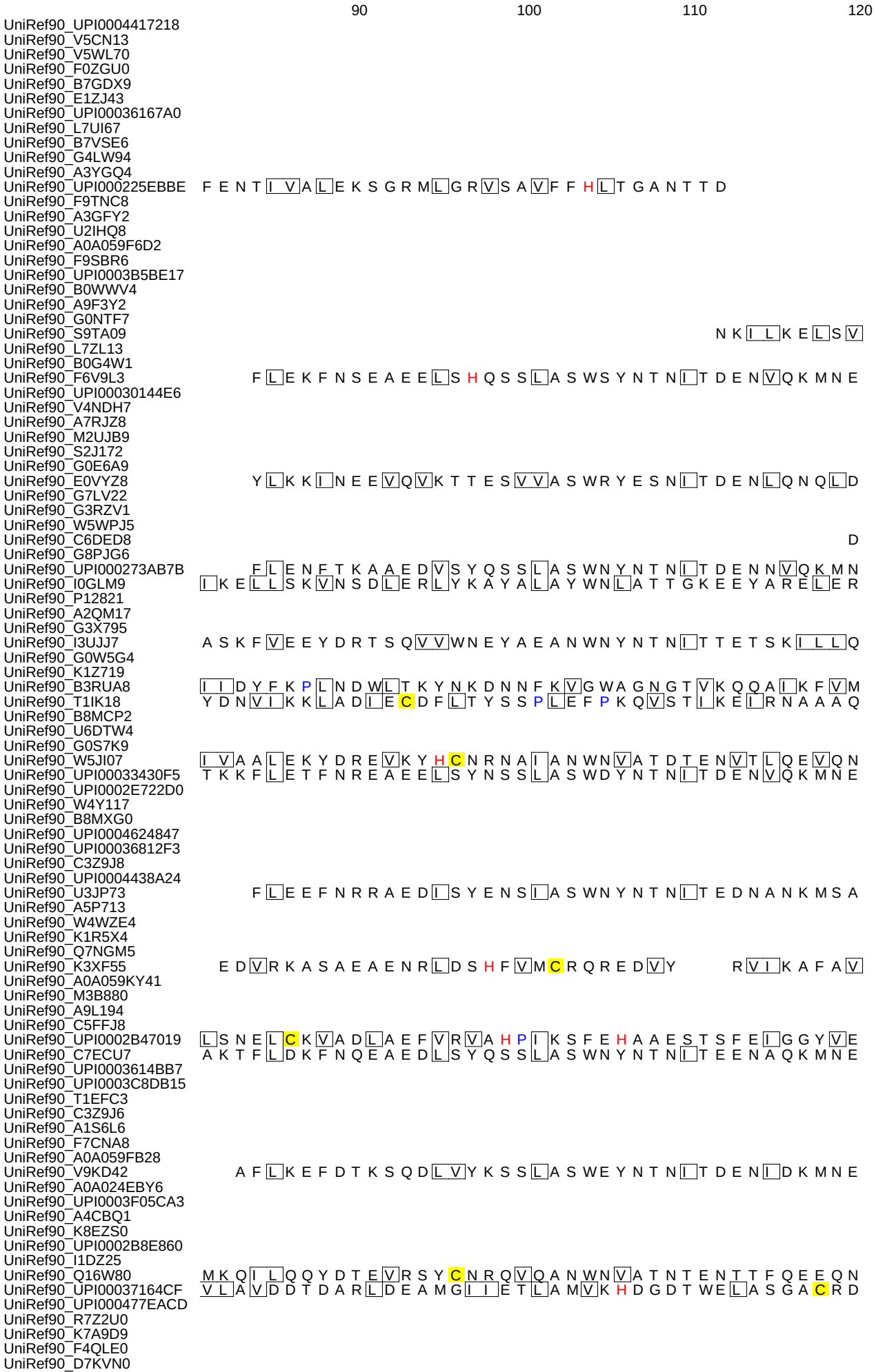

530
540
550
560
UniRef90_R5VZN9
UniRef90_A2CAT8
UniRef90_V5Z884
UniRef90_UPI0002FAB886
UniRef90_UPI0003B68EAF
UniRef90_A0A023FY90
UniRef90_W1INL1
UniRef90_M5X8L8
UniRef90_C3J8E7
UniRef90_G1W8Z3
UniRef90_U3P6Y8
UniRef90_F1R6P4
UniRef90_K9E2X5
UniRef90_UPI00039F36B6
UniRef90_UPI000409FDFE
UniRef90_G6XHM9
UniRef90_G6AE13
UniRef90_D1BHV6
UniRef90_W0ERJ9
UniRef90_V8CPP4
UniRef90_D8M5X7
UniRef90_UPI00047B466F
UniRef90_Z9JUJ2
UniRef90_UPI0002F3E7A1
UniRef90_F5J3M7
UniRef90_B4RCD5
UniRef90_UPI000479DB2D
UniRef90_Q494A9
UniRef90_UPI0003663E3A
UniRef90_W5UC25
UniRef90_UPI0003FA670E
UniRef90_H2YA06
UniRef90_R5SED4
UniRef90_UPI0001FFE0E8
UniRef90_UPI0003F17267
UniRef90_K3WHH8
UniRef90_D9RV99
UniRef90_W9RRS3
UniRef90_I3IAV8
UniRef90_UPI0003C2B103
UniRef90_H1XRB0
UniRef90_UPI0003F091C9
UniRef90_Q7VQU2
UniRef90_R4GJQ2
UniRef90_A9T684
UniRef90_I4ESS8
UniRef90_UPI0003812788
UniRef90_UPI00034B8756
UniRef90_R7L681
UniRef90_UPI0003682C90
UniRef90_UPI00030F3BB8
UniRef90_I4VZ16
UniRef90_UPI0003617A35
UniRef90_K1QVS3
UniRef90_K3WB38
UniRef90_F1Q5G6
UniRef90_D6DSQ2
UniRef90_H2MCK5
UniRef90_D5EKQ9
UniRef90_E6WXJ5
UniRef90_UPI0001E89154
UniRef90_C4Y5D6
UniRef90_G8JM10
UniRef90_T0I8A8
UniRef90_V4CPN6
UniRef90_U2DSY5
UniRef90_A0Z609
UniRef90_F8WZR6
UniRef90_H2SB14
UniRef90_E2MXC1
UniRef90_A4HG35
UniRef90_B9W7U9
UniRef90_UPI000287A64A
UniRef90_UPI00037011CB
UniRef90_F7E621
UniRef90_H2SB17
UniRef90_C0H9W4
UniRef90_Q0ATE8
UniRef90_C2GK84
UniRef90_W7I5V6
UniRef90_Q6FX66
UniRef90_E6WCN1
UniRef90_G7EAJ5
UniRef90_W0HXW3
UniRef90_R5G6P1
UniRef90_D8TAC6
UniRef90_U4LIY2
UniRef90_H1Z634
UniRef90_J7GC85
UniRef90_Q6C0X4
UniRef90_UPI00047D7A47
UniRef90_UPI00047A8B15

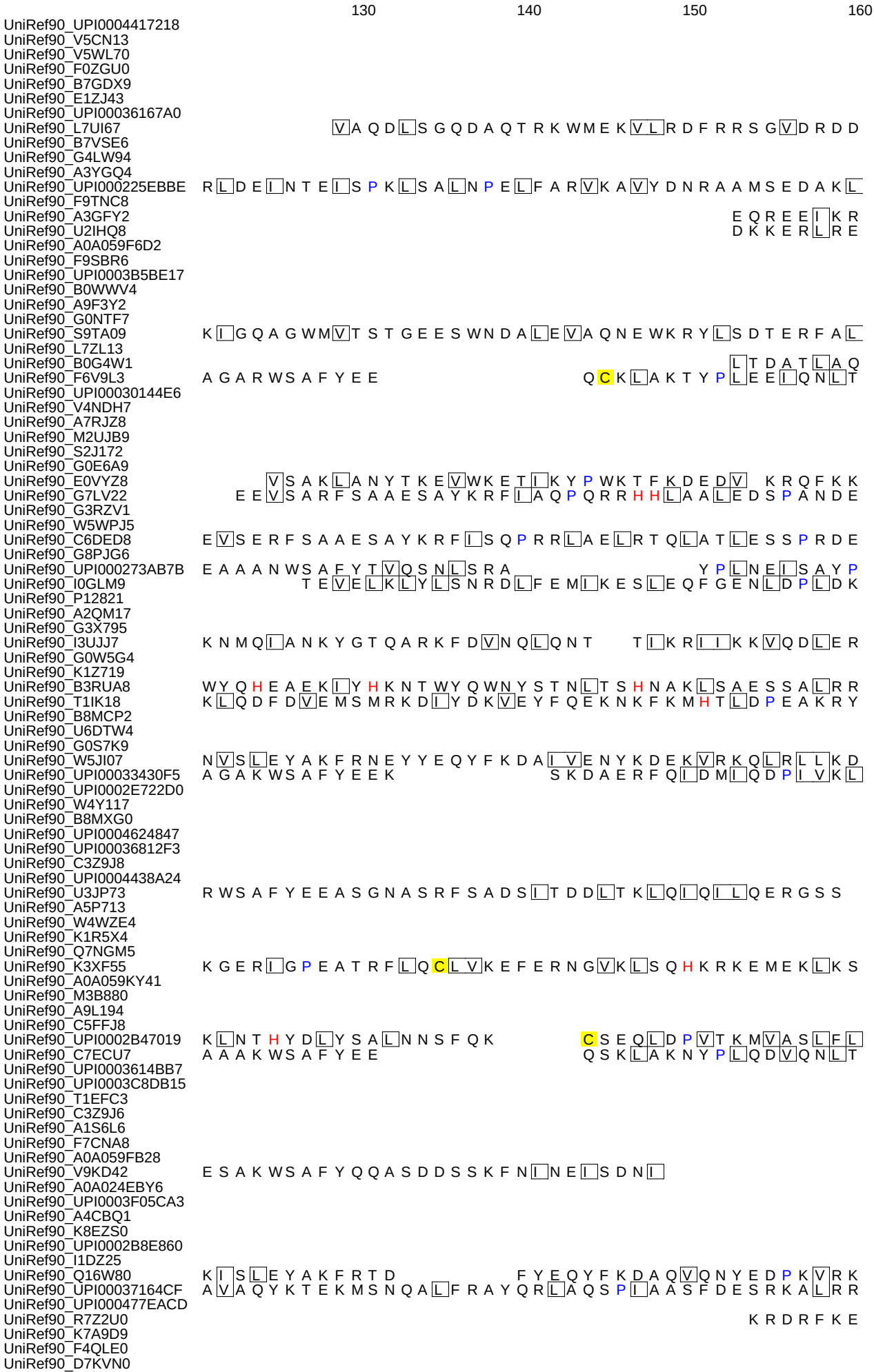

570
580
590
600
UniRef90_R5VZN9
UniRef90_A2CAT8
UniRef90_V5Z884
UniRef90_UPI0002FAB886
UniRef90_UPI0003B68EAF
UniRef90_A0A023FY90
UniRef90_W1INL1
UniRef90_M5X8L8
UniRef90_C3J8E7
UniRef90_G1W8Z3
UniRef90_U3P6Y8
UniRef90_F1R6P4
UniRef90_K9E2X5
UniRef90_UPI00039F36B6
UniRef90_UPI000409FDFE
UniRef90_G6XHM9
UniRef90_G6AE13
UniRef90_D1BHV6
UniRef90_W0ERJ9
UniRef90_V8CPP4
UniRef90_D8M5X7
UniRef90_UPI00047B466F
UniRef90_Z9JUJ2
UniRef90_UPI0002F3E7A1
UniRef90_F5J3M7
UniRef90_B4RCD5
UniRef90_UPI000479DB2D
UniRef90_Q494A9
UniRef90_UPI0003663E3A
UniRef90_W5UC25
UniRef90_UPI0003FA670E
UniRef90_H2YA06
UniRef90_R5SED4
UniRef90_UPI0001FFE0E8
UniRef90_UPI0003F17267
UniRef90_K3WHH8
UniRef90_D9RV99
UniRef90_W9RRS3
UniRef90_I3IAV8
UniRef90_UPI0003C2B103
UniRef90_H1XRB0
UniRef90_UPI0003F091C9
UniRef90_Q7VQU2
UniRef90_R4GJQ2
UniRef90_A9T684
UniRef90_I4ESS8
UniRef90_UPI0003812788
UniRef90_UPI00034B8756
UniRef90_R7L681
UniRef90_UPI0003682C90
UniRef90_UPI00030F3BB8
UniRef90_I4VZ16
UniRef90_UPI0003617A35
UniRef90_K1QVS3
UniRef90_K3WB38
UniRef90_F1Q5G6
UniRef90_D6DSQ2
UniRef90_H2MCK5
UniRef90_D5EKQ9
UniRef90_E6WXJ5
UniRef90_UPI0001E89154
UniRef90_C4Y5D6
UniRef90_G8JM10
UniRef90_T0I8A8
UniRef90_V4CPN6
UniRef90_U2DSY5
UniRef90_A0Z609
UniRef90_F8WZR6
UniRef90_H2SB14
UniRef90_E2MXC1
UniRef90_A4HG35
UniRef90_B9W7U9
UniRef90_UPI000287A64A
UniRef90_UPI00037011CB
UniRef90_F7E621
UniRef90_H2SB17
UniRef90_C0H9W4
UniRef90_Q0ATE8
UniRef90_C2GK84
UniRef90_W7I5V6
UniRef90_Q6FX66
UniRef90_E6WCN1
UniRef90_G7EAJ5
UniRef90_W0HXW3
UniRef90_R5G6P1
UniRef90_D8TAC6
UniRef90_U4LIY2
UniRef90_H1Z634
UniRef90_J7GC85
UniRef90_Q6C0X4
UniRef90_UPI00047D7A47
UniRef90_UPI00047A8B15

```
                                                  610                 620
UniRef90_R5VZN9          K D P D K R A M L R G R G L L N E P E
UniRef90_A2CAT8          T E
UniRef90_V5Z884          R D A E I D A M
UniRef90_UPI0002FAB886
UniRef90_UPI0003B68EAF
UniRef90_A0A023FY90      D A F L R S
UniRef90_W1INL1          K P P
UniRef90_M5X8L8
UniRef90_C3J8E7
UniRef90_G1W8Z3
UniRef90_U3P6Y8
UniRef90_F1R6P4          R P S M E D F V K A L V S D L D D F E T F I M
UniRef90_K9E2X5          R D P V I E
UniRef90_UPI00039F36B6
UniRef90_UPI000409FDFE   R D P
UniRef90_G6XHM9
UniRef90_G6AE13          T K A L L K A
UniRef90_D1BHV6          T D P M Q   A F G E L R G R A P E I A P L L A R
UniRef90_W0ERJ9
UniRef90_V8CPP4
UniRef90_D8M5X7
UniRef90_UPI00047B466F
UniRef90_Z9JUJ2
UniRef90_UPI0002F3E7A1   K A L I E K
UniRef90_F5J3M7          Q E P S V D A L
UniRef90_B4RCD5
UniRef90_UPI000479DB2D   R A P K S D A L
UniRef90_Q494A9
UniRef90_UPI0003663E3A   I E P M
UniRef90_W5UC25          R P S I E D F V D A L V S E L D
UniRef90_UPI0003FA670E   I A P L
UniRef90_H2YA06
UniRef90_R5SED4          D A L V R A
UniRef90_UPI0001FFE0E8
UniRef90_UPI0003F17267   D A F L
UniRef90_K3WHH8
UniRef90_D9RV99
UniRef90_W9RRS3
UniRef90_I3IAV8
UniRef90_UPI0003C2B103   K A P V E D F V D A L V S D L E Q
UniRef90_H1XRB0
UniRef90_UPI0003F091C9   P D
UniRef90_Q7VQU2
UniRef90_R4GJQ2          R E P K Q D A F
UniRef90_A9T684          E A F L R S
UniRef90_I4ESS8
UniRef90_UPI0003812788
UniRef90_UPI00034B8756   Q E P
UniRef90_R7L681          K A F
UniRef90_UPI0003682C90   R D P L E   S F R L F R G R D A E L A P L L K R
UniRef90_UPI00030F3BB8   K D P S V E P L L E F R G L
UniRef90_I4VZ16
UniRef90_UPI0003617A35   D A L L R R S
UniRef90_K1QVS3          E A F L
UniRef90_K3WB38          D A F L
UniRef90_F1Q5G6          D A F F Q
UniRef90_D6DSQ2
UniRef90_H2MCK5          E D F V E A L V S E L D P N F D T F I
UniRef90_D5EKQ9          P D
UniRef90_E6WXJ5          K E P
UniRef90_UPI0001E89154
UniRef90_C4Y5D6          D A F L Q E I L
UniRef90_G8JM10          K A F L K E
UniRef90_T0I8A8
UniRef90_V4CPN6                          D L V Q G M L N E I E T L V D S L
UniRef90_U2DSY5
UniRef90_A0Z609
UniRef90_F8WZR6
UniRef90_H2SB14          D A F F Q
UniRef90_E2MXC1
UniRef90_A4HG35          R K A N M K A F L R I N G L L G E
UniRef90_B9W7U9          E A F F H E I F
UniRef90_UPI000287A64A
UniRef90_UPI00037011CB
UniRef90_F7E621
UniRef90_H2SB17          D A F F Q
UniRef90_C0H9W4          R E P K Q E A F L L S K G L T V E L E A
UniRef90_Q0ATE8
UniRef90_C2GK84
UniRef90_W7I5V6          K A F F K E
UniRef90_Q6FX66          D A F L E E
UniRef90_E6WCN1
UniRef90_G7EAJ5          K A F M D M L L
UniRef90_W0HXW3          K D P A I S A M L K H R G L A E D
UniRef90_R5G6P1
UniRef90_D8TAC6          R G P S I N A L L R H R G L V
UniRef90_U4LIY2          D A F F E D
UniRef90_H1Z634          K D P N I D A
UniRef90_J7GC85
UniRef90_Q6C0X4          D A F L K E
UniRef90_UPI00047D7A47   H E P
UniRef90_UPI00047A8B15   R Y F V D E F M
```

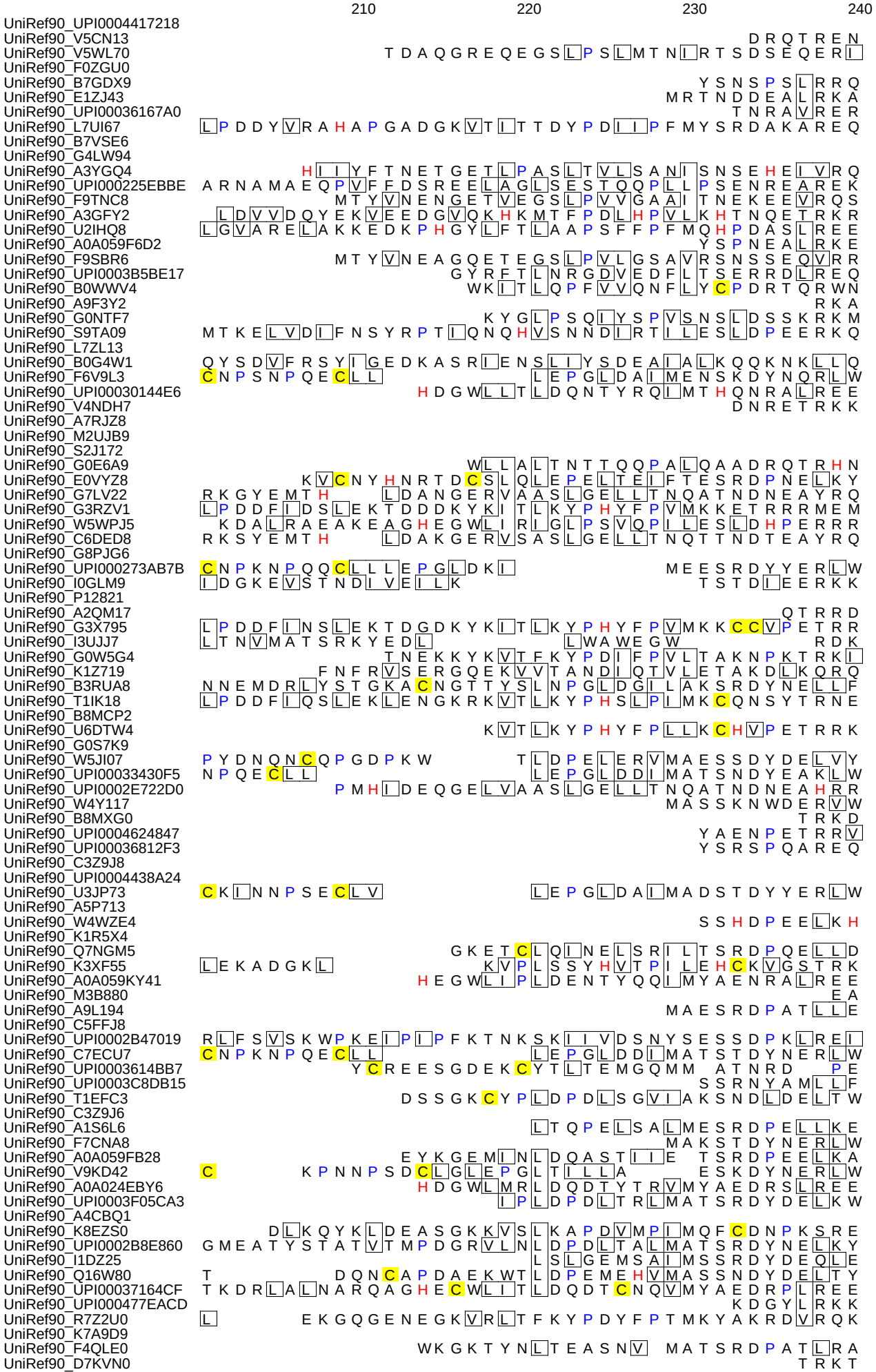

1
10
20
30
40
UniRef90_UPI0004417218
UniRef90_V5CN13
UniRef90_V5WL70
UniRef90_F0ZGU0
UniRef90_B7GDX9
UniRef90_E1ZJ43
UniRef90_UPI00036167A0
UniRef90_L7UI67
UniRef90_B7VSE6
UniRef90_G4LW94
UniRef90_A3YGQ4
UniRef90_UPI000225EBBE
UniRef90_F9TNC8
UniRef90_A3GFY2
UniRef90_U2IHQ8
UniRef90_A0A059F6D2
UniRef90_F9SBR6
UniRef90_UPI0003B5BE17
UniRef90_B0WWV4
UniRef90_A9F3Y2
UniRef90_G0NTF7
UniRef90_S9TA09
UniRef90_L7ZL13
UniRef90_B0G4W1
UniRef90_F6V9L3
UniRef90_UPI00030144E6
UniRef90_V4NDH7
UniRef90_A7RJZ8
UniRef90_M2UJB9
UniRef90_S2J172
UniRef90_G0E6A9
UniRef90_E0VYZ8
UniRef90_G7LV22
UniRef90_G3RZV1
UniRef90_W5WPJ5
UniRef90_C6DED8
UniRef90_G8PJG6
UniRef90_UPI000273AB7B
UniRef90_I0GLM9
UniRef90_P12821
UniRef90_A2QM17
UniRef90_G3X795
UniRef90_I3UJJ7
UniRef90_G0W5G4
UniRef90_K1Z719
UniRef90_B3RUA8
UniRef90_T1IK18
R Q R T L T T G Q K L L K M S K I S G I K C C
UniRef90_B8MCP2
UniRef90_U6DTW4
UniRef90_G0S7K9
UniRef90_W5JI07
UniRef90_UPI00033430F5
UniRef90_UPI0002E722D0
UniRef90_W4Y117
UniRef90_B8MXG0
UniRef90_UPI0004624847
UniRef90_UPI00036812F3
UniRef90_C3Z9J8
UniRef90_UPI0004438A24
UniRef90_U3JP73
UniRef90_A5P713
UniRef90_W4WZE4
UniRef90_K1R5X4
UniRef90_Q7NGM5
UniRef90_K3XF55
E I K R L A D R I I A K A K E T
UniRef90_A0A059KY41
UniRef90_M3B880
UniRef90_A9L194
UniRef90_C5FFJ8
UniRef90_UPI0002B47019
UniRef90_C7ECU7
UniRef90_UPI0003614BB7
UniRef90_UPI0003C8DB15
UniRef90_T1EFC3
UniRef90_C3Z9J6
UniRef90_A1S6L6
UniRef90_F7CNA8
UniRef90_A0A059FB28
UniRef90_V9KD42
UniRef90_A0A024EBY6
UniRef90_UPI0003F05CA3
UniRef90_A4CBQ1
UniRef90_K8EZS0
UniRef90_UPI0002B8E860
UniRef90_I1DZ25
UniRef90_Q16W80
UniRef90_UPI00037164CF
UniRef90_UPI000477EACD
UniRef90_R7Z2U0
UniRef90_K7A9D9
UniRef90_F4QLE0
UniRef90_D7KVN0

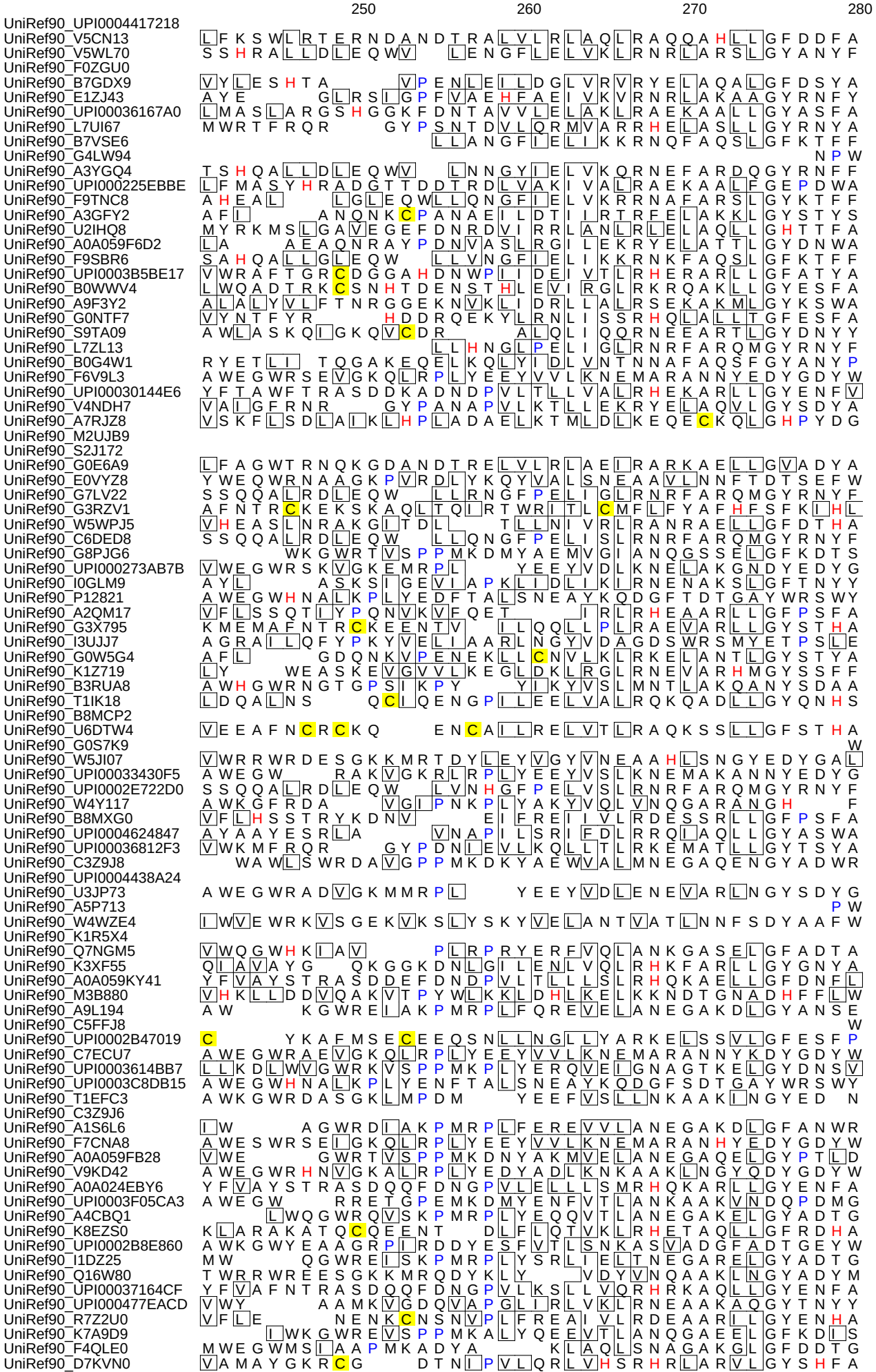

50
60
70
80
UniRef90_UPI0004417218
UniRef90_V5CN13
UniRef90_V5WL70
UniRef90_F0ZGU0
UniRef90_B7GDX9
UniRef90_E1ZJ43
UniRef90_UPI00036167A0
UniRef90_L7UI67
UniRef90_B7VSE6
UniRef90_G4LW94
UniRef90_A3YGQ4
UniRef90_UPI000225EBBE D F D A I S E D D P A F E K A M A I Q K G E I Q R I I D N P E A P T
UniRef90_F9TNC8
UniRef90_A3GFY2
UniRef90_U2IHQ8
UniRef90_A0A059F6D2
UniRef90_F9SBR6
UniRef90_UPI0003B5BE17
UniRef90_B0WWV4
UniRef90_A9F3Y2
UniRef90_G0NTF7
UniRef90_S9TA09
UniRef90_L7ZL13
UniRef90_B0G4W1
UniRef90_F6V9L3
UniRef90_UPI00030144E6
UniRef90_V4NDH7
UniRef90_A7RJZ8
UniRef90_M2UJB9
UniRef90_S2J172
UniRef90_G0E6A9
UniRef90_E0VYZ8
UniRef90_G7LV22
UniRef90_G3RZV1
UniRef90_W5WPJ5
UniRef90_C6DED8
UniRef90_G8PJG6
UniRef90_UPI000273AB7B
UniRef90_I0GLM9 E
UniRef90_P12821
UniRef90_A2QM17
UniRef90_G3X795
UniRef90_I3UJJ7 L V T D E A E
UniRef90_G0W5G4
UniRef90_K1Z719
UniRef90_B3RUA8 L C S I Y Q S Q E A G E K L S E M L K P W P E V L K A L T G G T G M D A T A
UniRef90_T1IK18 W N F D A L T E A E I S N K T D E L I E K C R L S Y N Q V A D L K F E D V A
UniRef90_B8MCP2
UniRef90_U6DTW4
UniRef90_G0S7K9
UniRef90_W5JI07 E Q
UniRef90_UPI00033430F5 D T E N Q
UniRef90_UPI0002E722D0
UniRef90_W4Y117
UniRef90_B8MXG0
UniRef90_UPI0004624847
UniRef90_UPI00036812F3
UniRef90_C3Z9J8
UniRef90_UPI0004438A24
UniRef90_U3JP73
UniRef90_A5P713
UniRef90_W4WZE4
UniRef90_K1R5X4
UniRef90_Q7NGM5
UniRef90_K3XF55 Y D L D K V F A N V I A P L A E L D A L Q F P L V Q A C V L P R M V S P S
UniRef90_A0A059KY41
UniRef90_M3B880
UniRef90_A9L194
UniRef90_C5FFJ8
UniRef90_UPI0002B47019 D D
UniRef90_C7ECU7 E Q
UniRef90_UPI0003614BB7
UniRef90_UPI0003C8DB15
UniRef90_T1EFC3
UniRef90_C3Z9J6
UniRef90_A1S6L6
UniRef90_F7CNA8
UniRef90_A0A059FB28
UniRef90_V9KD42
UniRef90_A0A024EBY6
UniRef90_UPI0003F05CA3
UniRef90_A4CBQ1
UniRef90_K8EZS0
UniRef90_UPI0002B8E860
UniRef90_I1DZ25
UniRef90_Q16W80 N E E Q
UniRef90_UPI00037164CF P A I E K I V S D N R Q A I S D I I A S Q S T F P T W D D L
UniRef90_UPI000477EACD
UniRef90_R7Z2U0
UniRef90_K7A9D9
UniRef90_F4QLE0
UniRef90_D7KVN0

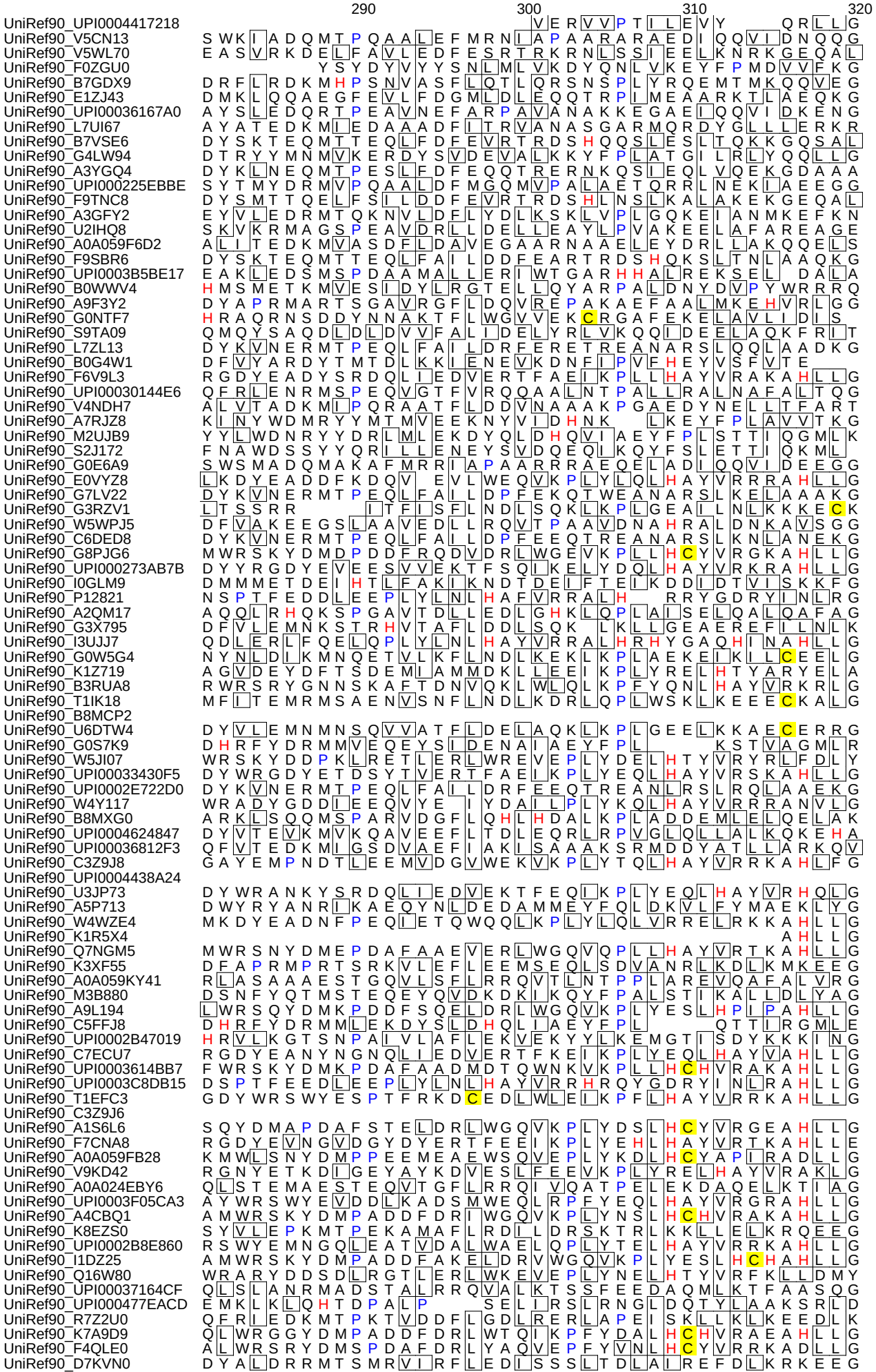

90
100
110
120
UniRef90_UPI0004417218
UniRef90_V5CN13
UniRef90_V5WL70
UniRef90_F0ZGU0
UniRef90_B7GDX9
UniRef90_E1ZJ43
UniRef90_UPI00036167A0
UniRef90_L7UI67
UniRef90_B7VSE6
UniRef90_G4LW94
UniRef90_A3YGQ4
UniRef90_UPI000225EBBE F E N T I V A L E K S G R M L G R V S A V F F H L T G A N T T D
UniRef90_F9TNC8
UniRef90_A3GFY2
UniRef90_U2IHQ8
UniRef90_A0A059F6D2
UniRef90_F9SBR6
UniRef90_UPI0003B5BE17
UniRef90_B0WWV4
UniRef90_A9F3Y2
UniRef90_G0NTF7
UniRef90_S9TA09 N K I L K E L S V
UniRef90_L7ZL13
UniRef90_B0G4W1
UniRef90_F6V9L3 F L E K F N S E A E E L S H Q S S L A S W S Y N T N I T D E N V Q K M N E
UniRef90_UPI00030144E6
UniRef90_V4NDH7
UniRef90_A7RJZ8
UniRef90_M2UJB9
UniRef90_S2J172
UniRef90_G0E6A9
UniRef90_E0VYZ8 Y L K K I N E E V Q V K T T E S V V A S W R Y E S N I T D E N L Q N Q L D
UniRef90_G7LV22
UniRef90_G3RZV1
UniRef90_W5WPJ5
UniRef90_C6DED8 D
UniRef90_G8PJG6
UniRef90_UPI000273AB7B F L E N F T K A A E D V S Y Q S S L A S W N Y N T N I T D E N N V Q K M N
UniRef90_I0GLM9 I K E L L S K V N S D L E R L Y K A Y A L A Y W N L A T T G K E E Y A R E L E R
UniRef90_P12821
UniRef90_A2QM17
UniRef90_G3X795
UniRef90_I3UJJ7 A S K F V E E Y D R T S Q V V W N E Y A E A N W N Y N T N I T T E T S K I L L Q
UniRef90_G0W5G4
UniRef90_K1Z719
UniRef90_B3RUA8 I I D Y F K P L N D W L T K Y N K D N N F K V G W A G N G T V K Q Q A I K F V M
UniRef90_T1IK18 Y D N V I K K L A D I E C D F L T Y S S P L E F P K Q V S T I K E I R N A A A Q
UniRef90_B8MCP2
UniRef90_U6DTW4
UniRef90_G0S7K9
UniRef90_W5JI07 I V A A L E K Y D R E V K Y H C N R N A I A N W N V A T D T E N V T L Q E V Q N
UniRef90_UPI00033430F5 T K K F L E T F N R E A E E L S Y N S S L A S W D Y N T N I T D E N V Q K M N E
UniRef90_UPI0002E722D0
UniRef90_W4Y117
UniRef90_B8MXG0
UniRef90_UPI0004624847
UniRef90_UPI00036812F3
UniRef90_C3Z9J8
UniRef90_UPI0004438A24
UniRef90_U3JP73 F L E E F N R R A E D I S Y E N S I A S W N Y N T N I T E D N A N K M S A
UniRef90_A5P713
UniRef90_W4WZE4
UniRef90_K1R5X4
UniRef90_Q7NGM5
UniRef90_K3XF55 E D V R K A S A E A E N R L D S H F V M C R Q R E D V Y R V I K A F A V
UniRef90_A0A059KY41
UniRef90_M3B880
UniRef90_A9L194
UniRef90_C5FFJ8
UniRef90_UPI0002B47019 L S N E L C K V A D L A E F V R V A H P I K S F E H A A E S T S F E I G G Y V E
UniRef90_C7ECU7 A K T F L D K F N Q E A E D L S Y Q S S L A S W N Y N T N I T E E N A Q K M N E
UniRef90_UPI0003614BB7
UniRef90_UPI0003C8DB15
UniRef90_T1EFC3
UniRef90_C3Z9J6
UniRef90_A1S6L6
UniRef90_F7CNA8
UniRef90_A0A059FB28
UniRef90_V9KD42 A F L K E F D T K S Q D L V Y K S S L A S W E Y N T N I T D E N I D K M N E
UniRef90_A0A024EBY6
UniRef90_UPI0003F05CA3
UniRef90_A4CBQ1
UniRef90_K8EZS0
UniRef90_UPI0002B8E860
UniRef90_I1DZ25
UniRef90_Q16W80 M K Q I L Q Q Y D T E V R S Y C N R Q V Q A N W N V A T N T E N T T F Q E E Q N
UniRef90_UPI00037164CF V L A V D D T D A R L D E A M G I I E T L A M V K H D G D T W E L A S G A C R D
UniRef90_UPI000477EACD
UniRef90_R7Z2U0
UniRef90_K7A9D9
UniRef90_F4QLE0
UniRef90_D7KVN0

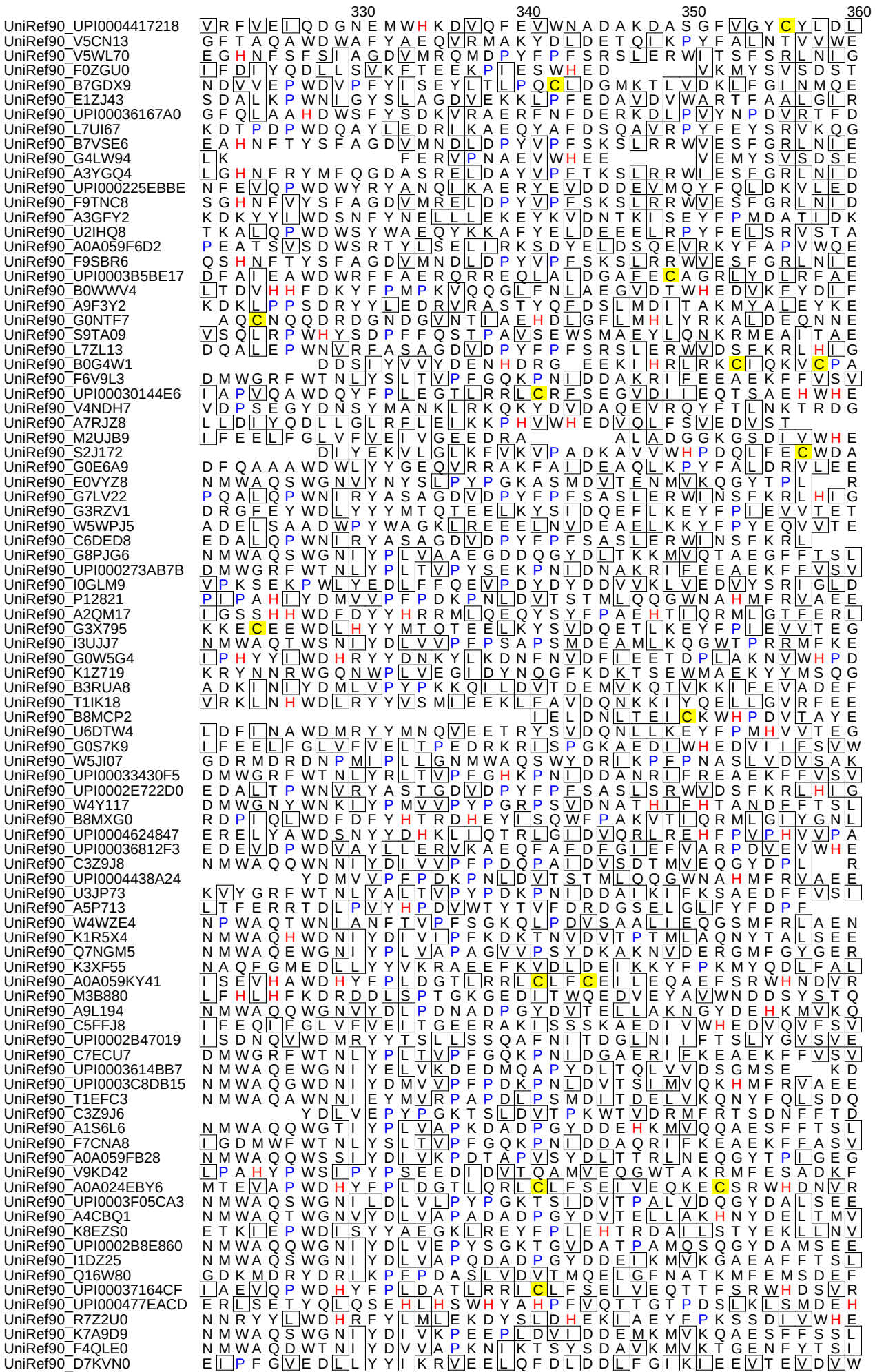

130
140
150
160
UniRef90_UPI0004417218
UniRef90_V5CN13
UniRef90_V5WL70
UniRef90_F0ZGU0
UniRef90_B7GDX9
UniRef90_E1ZJ43
UniRef90_UPI00036167A0
UniRef90_L7UI67 V A Q D L S G Q D A Q T R K W M E K V L R D F R R S G V D R D D
UniRef90_B7VSE6
UniRef90_G4LW94
UniRef90_A3YGQ4
UniRef90_UPI000225EBBE R L D E I N T E I S P K L S A L N P E L F A R V K A V Y D N R A A M S E D A K L
UniRef90_F9TNC8
UniRef90_A3GFY2 E Q R E E I K R
UniRef90_U2IHQ8 D K K E R L R E
UniRef90_A0A059F6D2
UniRef90_F9SBR6
UniRef90_UPI0003B5BE17
UniRef90_B0WWV4
UniRef90_A9F3Y2
UniRef90_G0NTF7
UniRef90_S9TA09 K I G Q A G W M V T S T G E E S W N D A L E V A Q N E W K R Y L S D T E R F A L
UniRef90_L7ZL13
UniRef90_B0G4W1 L T D A T L A Q
UniRef90_F6V9L3 A G A R W S A F Y E E Q C K L A K T Y P L E E I Q N L T
UniRef90_UPI00030144E6
UniRef90_V4NDH7
UniRef90_A7RJZ8
UniRef90_M2UJB9
UniRef90_S2J172
UniRef90_G0E6A9
UniRef90_E0VYZ8 V S A K L A N Y T K E V W K E T I K Y P W K T F K D E D V K R Q F K K
UniRef90_G7LV22 E E V S A R F S A A E S A Y K R F I A Q P Q R R H H L A A L E D S P A N D E
UniRef90_G3RZV1
UniRef90_W5WPJ5
UniRef90_C6DED8 E V S E R F S A A E S A Y K R F I S Q P R R L A E L R T Q L A T L E S S P R D E
UniRef90_G8PJG6
UniRef90_UPI000273AB7B E A A A N W S A F Y T V Q S N L S R A Y P L N E I S A Y P
UniRef90_I0GLM9 T E V E L K L Y L S N R D L F E M I K E S L E Q F G E N L D P L D K
UniRef90_P12821
UniRef90_A2QM17
UniRef90_G3X795
UniRef90_I3UJJ7 K N M Q I A N K Y G T Q A R K F D V N Q L Q N T T I K R I I K K V Q D L E R
UniRef90_G0W5G4
UniRef90_K1Z719
UniRef90_B3RUA8 W Y Q H E A E K I Y H K N T W Y Q W N Y S T N L T S H N A K L S A E S S A L R R
UniRef90_T1IK18 K L Q D F D V E M S M R K D I Y D K V E Y F Q E K N K F K M H T L D P E A K R Y
UniRef90_B8MCP2
UniRef90_U6DTW4
UniRef90_G0S7K9
UniRef90_W5JI07 N V S L E Y A K F R N E Y Y E Q Y F K D A I V E N Y K D E K V R K Q L R L L K D
UniRef90_UPI00033430F5 A G A K W S A F Y E E K S K D A E R F Q I D M I Q D P I V K L
UniRef90_UPI0002E722D0
UniRef90_W4Y117
UniRef90_B8MXG0
UniRef90_UPI0004624847
UniRef90_UPI00036812F3
UniRef90_C3Z9J8
UniRef90_UPI0004438A24
UniRef90_U3JP73 R W S A F Y E E A S G N A S R F S A D S I T D D L T K L Q I Q I L Q E R G S S
UniRef90_A5P713
UniRef90_W4WZE4
UniRef90_K1R5X4
UniRef90_Q7NGM5
UniRef90_K3XF55 K G E R I G P E A T R F L Q C L V K E F E R N G V K L S Q H K R K E M E K L K S
UniRef90_A0A059KY41
UniRef90_M3B880
UniRef90_A9L194
UniRef90_C5FFJ8
UniRef90_UPI0002B47019 K L N T H Y D L Y S A L N N S F Q K C S E Q L D P V T K M V A S L F L
UniRef90_C7ECU7 A A A K W S A F Y E E Q S K L A K N Y P L Q D V Q N L T
UniRef90_UPI0003614BB7
UniRef90_UPI0003C8DB15
UniRef90_T1EFC3
UniRef90_C3Z9J6
UniRef90_A1S6L6
UniRef90_F7CNA8
UniRef90_A0A059FB28
UniRef90_V9KD42 E S A K W S A F Y Q Q A S D D S S K F N I N E I S D N I
UniRef90_A0A024EBY6
UniRef90_UPI0003F05CA3
UniRef90_A4CBQ1
UniRef90_K8EZS0
UniRef90_UPI0002B8E860
UniRef90_I1DZ25
UniRef90_Q16W80 K I S L E Y A K F R T D F Y E Q Y F K D A Q V Q N Y E D P K V R K
UniRef90_UPI00037164CF A V A Q Y K T E K M S N Q A L F R A Y Q R L A Q S P I A A S F D E S R K A L R R
UniRef90_UPI000477EACD
UniRef90_R7Z2U0 K R D R F K E
UniRef90_K7A9D9
UniRef90_F4QLE0
UniRef90_D7KVN0

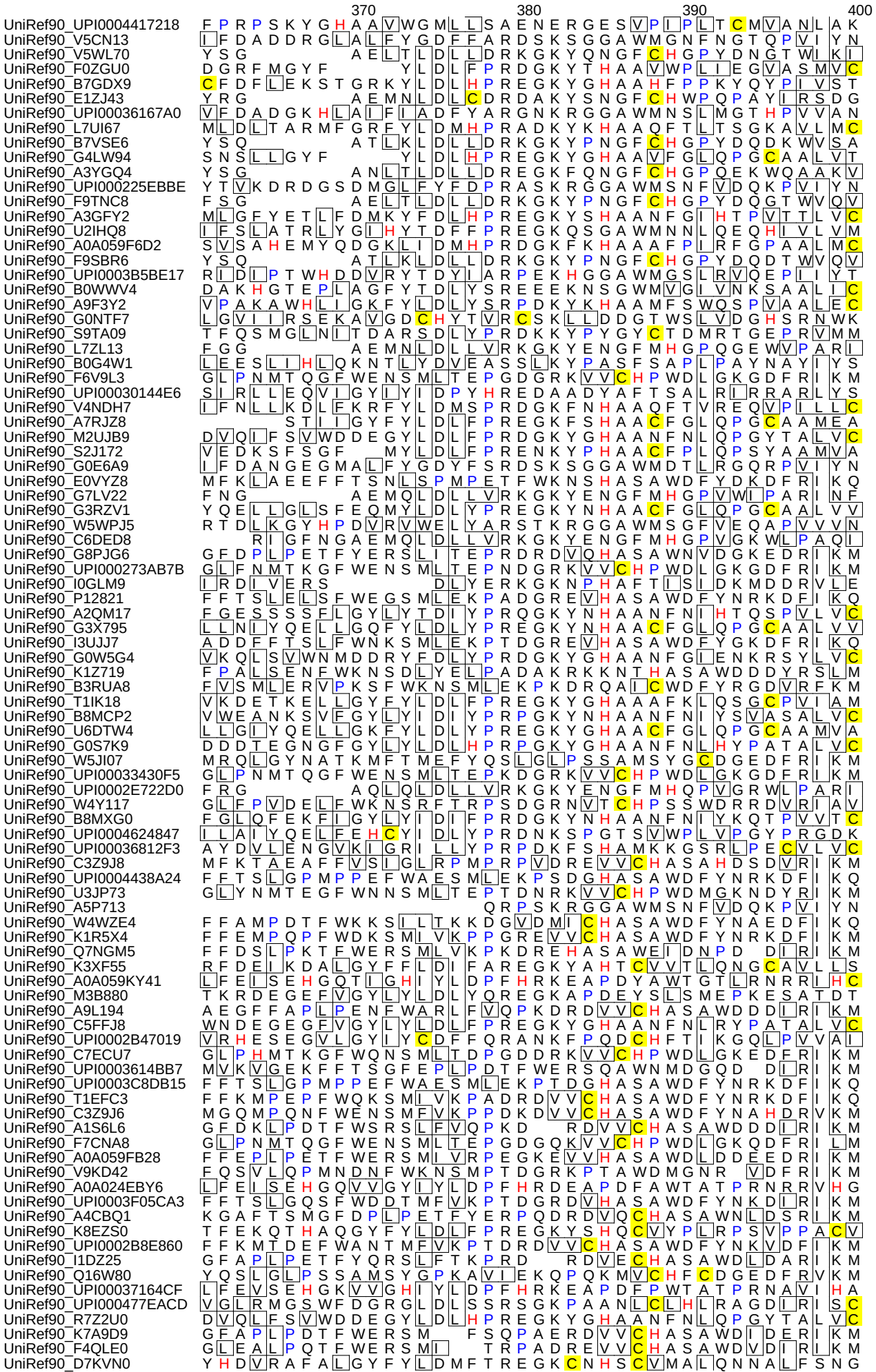
170
180
190
200
UniRef90_UPI0004417218
UniRef90_V5CN13
UniRef90_V5WL70
UniRef90_F0ZGU0
UniRef90_B7GDX9
UniRef90_E1ZJ43
UniRef90_UPI00036167A0
UniRef90_L7UI67 A T R A R V K E L N E E L V R I G Q E F S R N M L Q D T R T V S L P P S A L D G
UniRef90_B7VSE6
UniRef90_G4LW94
UniRef90_A3YGQ4
UniRef90_UPI000225EBBE L E E T Y K S M V H A G A E L T D A E R E R V K E I N T E L S T V T T E F A Q E
UniRef90_F9TNC8
UniRef90_A3GFY2 L K K E L S T L S V K F S K N M N E E K D F I L F T T E E L A G V P
UniRef90_U2IHQ8 V K R E L S E L A L T F G Q N N L K E Q A R F R L W V E D D A Q V T G L P E S A
UniRef90_A0A059F6D2
UniRef90_F9SBR6
UniRef90_UPI0003B5BE17
UniRef90_B0WWV4
UniRef90_A9F3Y2
UniRef90_G0NTF7
UniRef90_S9TA09 I T K H L E N K Q L T S L Q Q R Q L T E L H H L M I N Q Q L D P Q L A E R S T R
UniRef90_L7ZL13
UniRef90_B0G4W1 Y A Y Y L D T E S Q E K A E R Y H S K E S A Y T D S F E K T S S L F Q R A L S S
UniRef90_F6V9L3 V K R Q L Q A L Q Q S G S S V L S A D K S K R L N E I L N T M S T I Y S T G K V
UniRef90_UPI00030144E6
UniRef90_V4NDH7
UniRef90_A7RJZ8
UniRef90_M2UJB9
UniRef90_S2J172
UniRef90_G0E6A9
UniRef90_E0VYZ8 F S V L G T A I L S S D K Y E K Y D K I V S E M Q S V Y G K A
UniRef90_G7LV22 Q R A L L H G L R G W Y R F F D C N V I E D A K A Q M D E I I A A E S A L Y A K
UniRef90_G3RZV1 M K K R M S E L C I D F N K N L N E D D T F L V F S K A E L G A
UniRef90_W5WPJ5
UniRef90_C6DED8 Q Q Q A L L H G L Q G W Y R F F D I E D P Q A Q A L M D E I I A A E S A L Y A K
UniRef90_G8PJG6
UniRef90_UPI000273AB7B I R L Q L K S L Q E K G A A V L S A E K N A R L N T I L N T M S T L Y S T G T V
UniRef90_I0GLM9 R Q L T I L F H E M F P N Q L P K E A I E E V V K R E V E I E S I Y T N Y R P Q
UniRef90_P12821
UniRef90_A2QM17
UniRef90_G3X795 K A M K K R M S E L C I D F N K N L N E D D T F L V F S K A E L G A
UniRef90_I3UJJ7 A A L P A Q E L E E Y N K I L L D M E T T Y S V A T V C H P N G S C L Q L E P D
UniRef90_G0W5G4
UniRef90_K1Z719
UniRef90_B3RUA8 K G H S L Q N V S I N S E I D R Q L R I A T F I P A S A G S P E S E E L V G V
UniRef90_T1IK18 V E R L I K L G R R N G L H L L C I S F Q Q N M N E E N T V L E Y T E K Q L Q G
UniRef90_B8MCP2
UniRef90_U6DTW4
UniRef90_G0S7K9
UniRef90_W5JI07 L G T A A L P A A K L E A Y N R V M R R M D S A Y Q L A E V C
UniRef90_UPI00033430F5 Q L K S L Q Q K G S S A T E E K I Q R L N T I L N E M S T I Y S T G E V C N P H
UniRef90_UPI0002E722D0
UniRef90_W4Y117
UniRef90_B8MXG0
UniRef90_UPI0004624847
UniRef90_UPI00036812F3
UniRef90_C3Z9J8
UniRef90_UPI0004438A24
UniRef90_U3JP73 V L S P E K Y N R L G T V L N T M S T I Y S T G T V
UniRef90_A5P713
UniRef90_W4WZE4
UniRef90_K1R5X4
UniRef90_Q7NGM5
UniRef90_K3XF55 H I D E L N L K Y L Q N L N D F T K F L L L S E D E L A G M P F E F L K D
UniRef90_A0A059KY41
UniRef90_M3B880
UniRef90_A9L194
UniRef90_C5FFJ8
UniRef90_UPI0002B47019 F D F E Q S G I H L D I E K K K R A V E M H E A S L M L G A R F T Q N A Q K P
UniRef90_C7ECU7 I K R Q L Q A L Q Q S G S S A L S A D K N K Q L N T I L N T M S T I Y S T G K V
UniRef90_UPI0003614BB7
UniRef90_UPI0003C8DB15
UniRef90_T1EFC3
UniRef90_C3Z9J6
UniRef90_A1S6L6
UniRef90_F7CNA8
UniRef90_A0A059FB28
UniRef90_V9KD42 I K L Q L N S L Q D K G S G V L S K E E Q D H L N E V Q N E M S K I Y S T G T V
UniRef90_A0A024EBY6
UniRef90_UPI0003F05CA3
UniRef90_A4CBQ1
UniRef90_K8EZS0
UniRef90_UPI0002B8E860 A N L N E A D L N Q Y N D L T G
UniRef90_I1DZ25
UniRef90_Q16W80 Q L T L L K D L G T A A L P T S D L E E Y N K V M R R M D A A Y Q L A E V C P Y
UniRef90_UPI00037164CF F R F S G I E L P L D Q Q Q Q L A H L N R E I S A L E S E N A S S A W S K R I D
UniRef90_UPI000477EACD
UniRef90_R7Z2U0 I K K R L S E I G I Q F Q K T L N E E N G G L W F T L E E L D G L P K D I L D N
UniRef90_K7A9D9
UniRef90_F4QLE0
UniRef90_D7KVN0

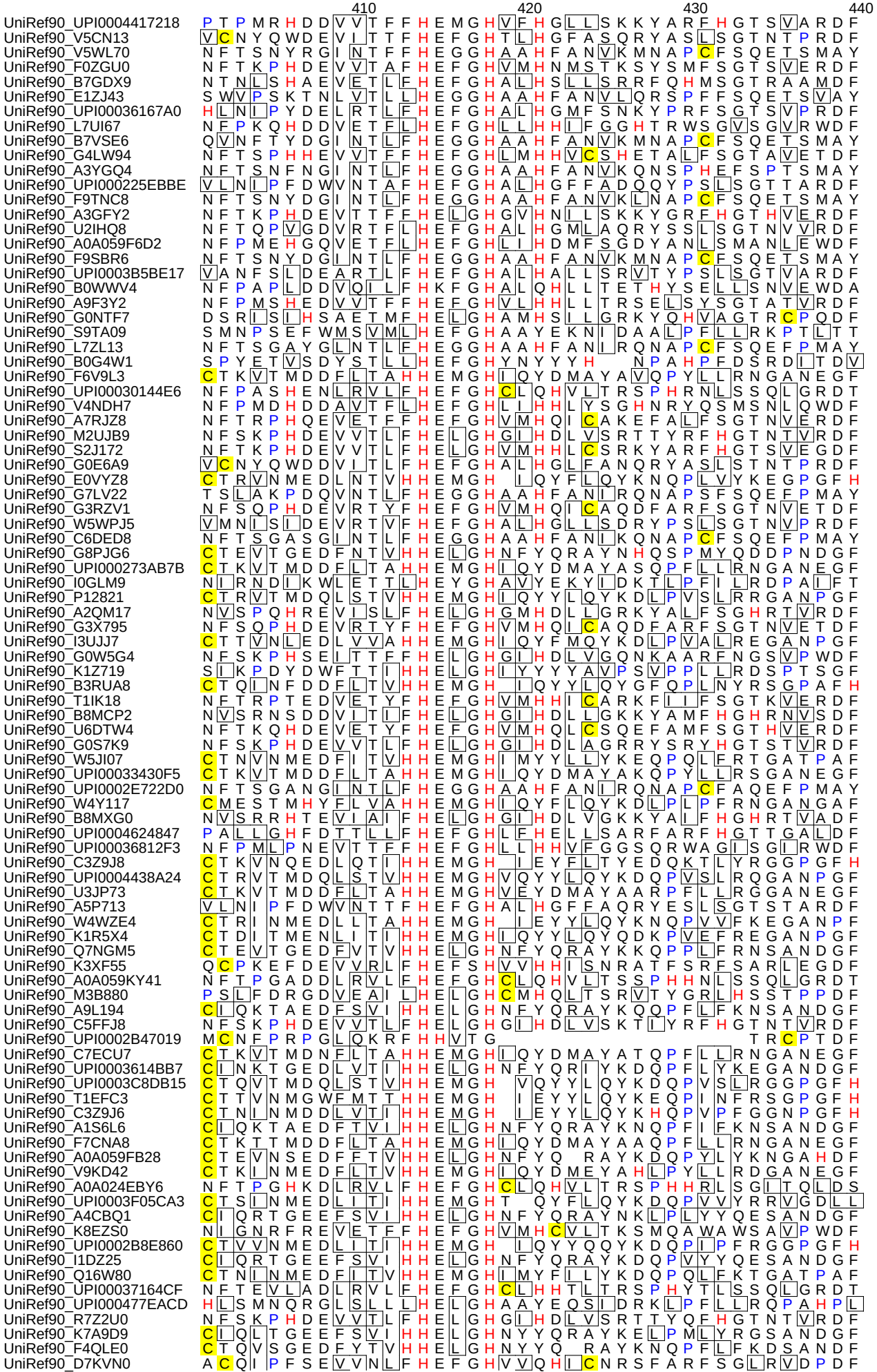

210
220
230
240
UniRef90_UPI0004417218
UniRef90_V5CN13
UniRef90_V5WL70
UniRef90_F0ZGU0
UniRef90_B7GDX9
UniRef90_E1ZJ43
UniRef90_UPI00036167A0
UniRef90_L7UI67
UniRef90_B7VSE6
UniRef90_G4LW94
UniRef90_A3YGQ4
UniRef90_UPI000225EBBE
UniRef90_F9TNC8
UniRef90_A3GFY2
UniRef90_U2IHQ8
UniRef90_A0A059F6D2
UniRef90_F9SBR6
UniRef90_UPI0003B5BE17
UniRef90_B0WWV4
UniRef90_A9F3Y2
UniRef90_G0NTF7
UniRef90_S9TA09
UniRef90_L7ZL13
UniRef90_B0G4W1
UniRef90_F6V9L3
UniRef90_UPI00030144E6
UniRef90_V4NDH7
UniRef90_A7RJZ8
UniRef90_M2UJB9
UniRef90_S2J172
UniRef90_G0E6A9
UniRef90_E0VYZ8
UniRef90_G7LV22
UniRef90_G3RZV1
UniRef90_W5WPJ5
UniRef90_C6DED8
UniRef90_G8PJG6
UniRef90_UPI000273AB7B
UniRef90_I0GLM9
UniRef90_P12821
UniRef90_A2QM17
UniRef90_G3X795
UniRef90_I3UJJ7
UniRef90_G0W5G4
UniRef90_K1Z719
UniRef90_B3RUA8
UniRef90_T1IK18
UniRef90_B8MCP2
UniRef90_U6DTW4
UniRef90_G0S7K9
UniRef90_W5JI07
UniRef90_UPI00033430F5
UniRef90_UPI0002E722D0
UniRef90_W4Y117
UniRef90_B8MXG0
UniRef90_UPI0004624847
UniRef90_UPI00036812F3
UniRef90_C3Z9J8
UniRef90_UPI0004438A24
UniRef90_U3JP73
UniRef90_A5P713
UniRef90_W4WZE4
UniRef90_K1R5X4
UniRef90_Q7NGM5
UniRef90_K3XF55
UniRef90_A0A059KY41
UniRef90_M3B880
UniRef90_A9L194
UniRef90_C5FFJ8
UniRef90_UPI0002B47019
UniRef90_C7ECU7
UniRef90_UPI0003614BB7
UniRef90_UPI0003C8DB15
UniRef90_T1EFC3
UniRef90_C3Z9J6
UniRef90_A1S6L6
UniRef90_F7CNA8
UniRef90_A0A059FB28
UniRef90_V9KD42
UniRef90_A0A024EBY6
UniRef90_UPI0003F05CA3
UniRef90_A4CBQ1
UniRef90_K8EZS0
UniRef90_UPI0002B8E860
UniRef90_I1DZ25
UniRef90_Q16W80
UniRef90_UPI00037164CF
UniRef90_UPI000477EACD
UniRef90_R7Z2U0
UniRef90_K7A9D9
UniRef90_F4QLE0
UniRef90_D7KVN0

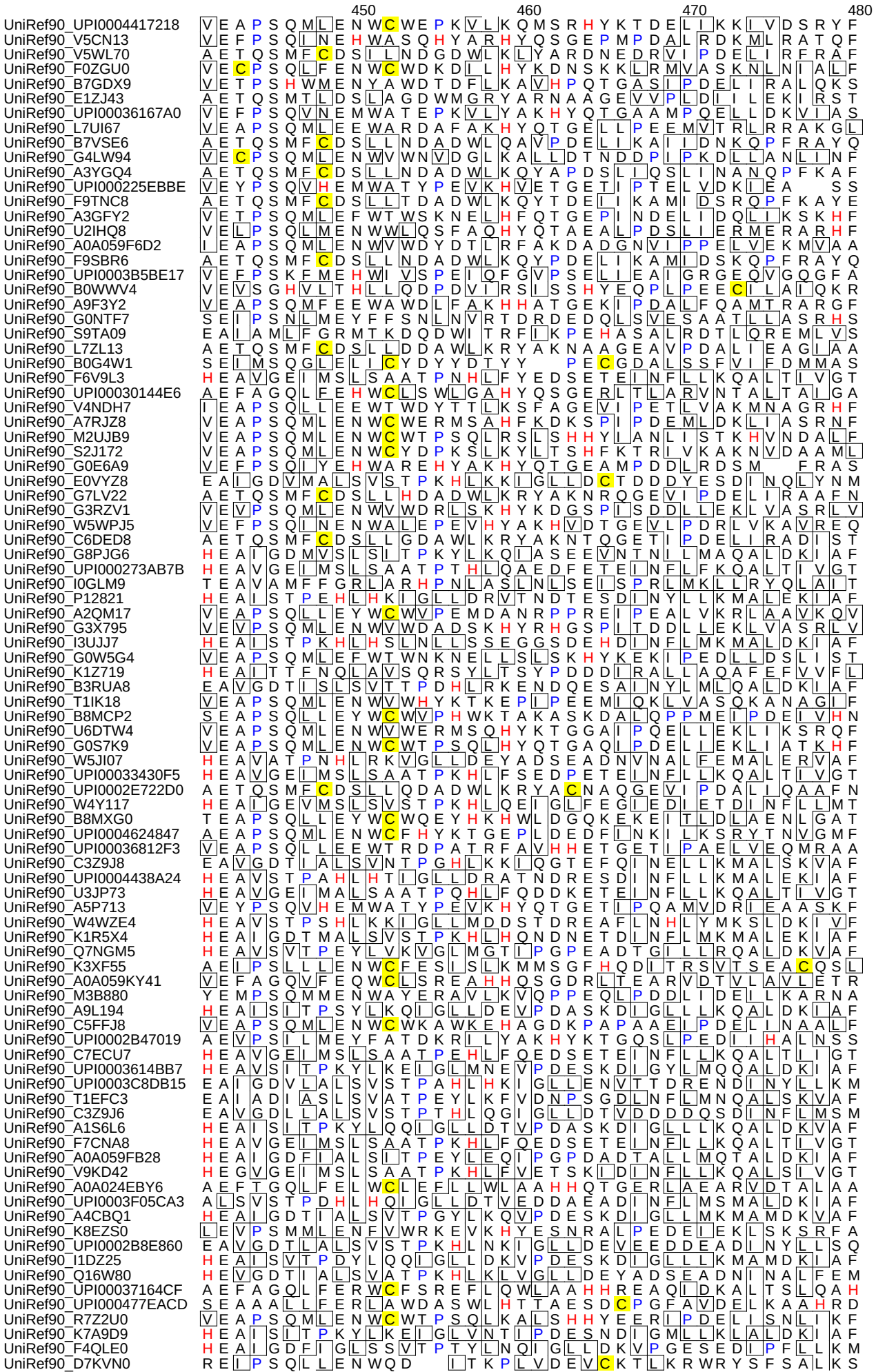

250
260
270
280
UniRef90_UPI0004417218
UniRef90_V5CN13
UniRef90_V5WL70
UniRef90_F0ZGU0
UniRef90_B7GDX9
UniRef90_E1ZJ43
UniRef90_UPI00036167A0
UniRef90_L7UI67
UniRef90_B7VSE6
UniRef90_G4LW94
UniRef90_A3YGQ4
UniRef90_UPI000225EBBE
UniRef90_F9TNC8
UniRef90_A3GFY2
UniRef90_U2IHQ8
UniRef90_A0A059F6D2
UniRef90_F9SBR6
UniRef90_UPI0003B5BE17
UniRef90_B0WWV4
UniRef90_A9F3Y2
UniRef90_G0NTF7
UniRef90_S9TA09
UniRef90_L7ZL13
UniRef90_B0G4W1
UniRef90_F6V9L3
UniRef90_UPI00030144E6
UniRef90_V4NDH7
UniRef90_A7RJZ8
UniRef90_M2UJB9
UniRef90_S2J172
UniRef90_G0E6A9
UniRef90_E0VYZ8
UniRef90_G7LV22
UniRef90_G3RZV1
UniRef90_W5WPJ5
UniRef90_C6DED8
UniRef90_G8PJG6
UniRef90_UPI000273AB7B
UniRef90_I0GLM9
UniRef90_P12821
UniRef90_A2QM17
UniRef90_G3X795
UniRef90_I3UJJ7
UniRef90_G0W5G4
UniRef90_K1Z719
UniRef90_B3RUA8
UniRef90_T1IK18
UniRef90_B8MCP2
UniRef90_U6DTW4
UniRef90_G0S7K9
UniRef90_W5JI07
UniRef90_UPI00033430F5
UniRef90_UPI0002E722D0
UniRef90_W4Y117
UniRef90_B8MXG0
UniRef90_UPI0004624847
UniRef90_UPI00036812F3
UniRef90_C3Z9J8
UniRef90_UPI0004438A24
UniRef90_U3JP73
UniRef90_A5P713
UniRef90_W4WZE4
UniRef90_K1R5X4
UniRef90_Q7NGM5
UniRef90_K3XF55
UniRef90_A0A059KY41
UniRef90_M3B880
UniRef90_A9L194
UniRef90_C5FFJ8
UniRef90_UPI0002B47019
UniRef90_C7ECU7
UniRef90_UPI0003614BB7
UniRef90_UPI0003C8DB15
UniRef90_T1EFC3
UniRef90_C3Z9J6
UniRef90_A1S6L6
UniRef90_F7CNA8
UniRef90_A0A059FB28
UniRef90_V9KD42
UniRef90_A0A024EBY6
UniRef90_UPI0003F05CA3
UniRef90_A4CBQ1
UniRef90_K8EZS0
UniRef90_UPI0002B8E860
UniRef90_I1DZ25
UniRef90_Q16W80
UniRef90_UPI00037164CF
UniRef90_UPI000477EACD
UniRef90_R7Z2U0
UniRef90_K7A9D9
UniRef90_F4QLE0
UniRef90_D7KVN0

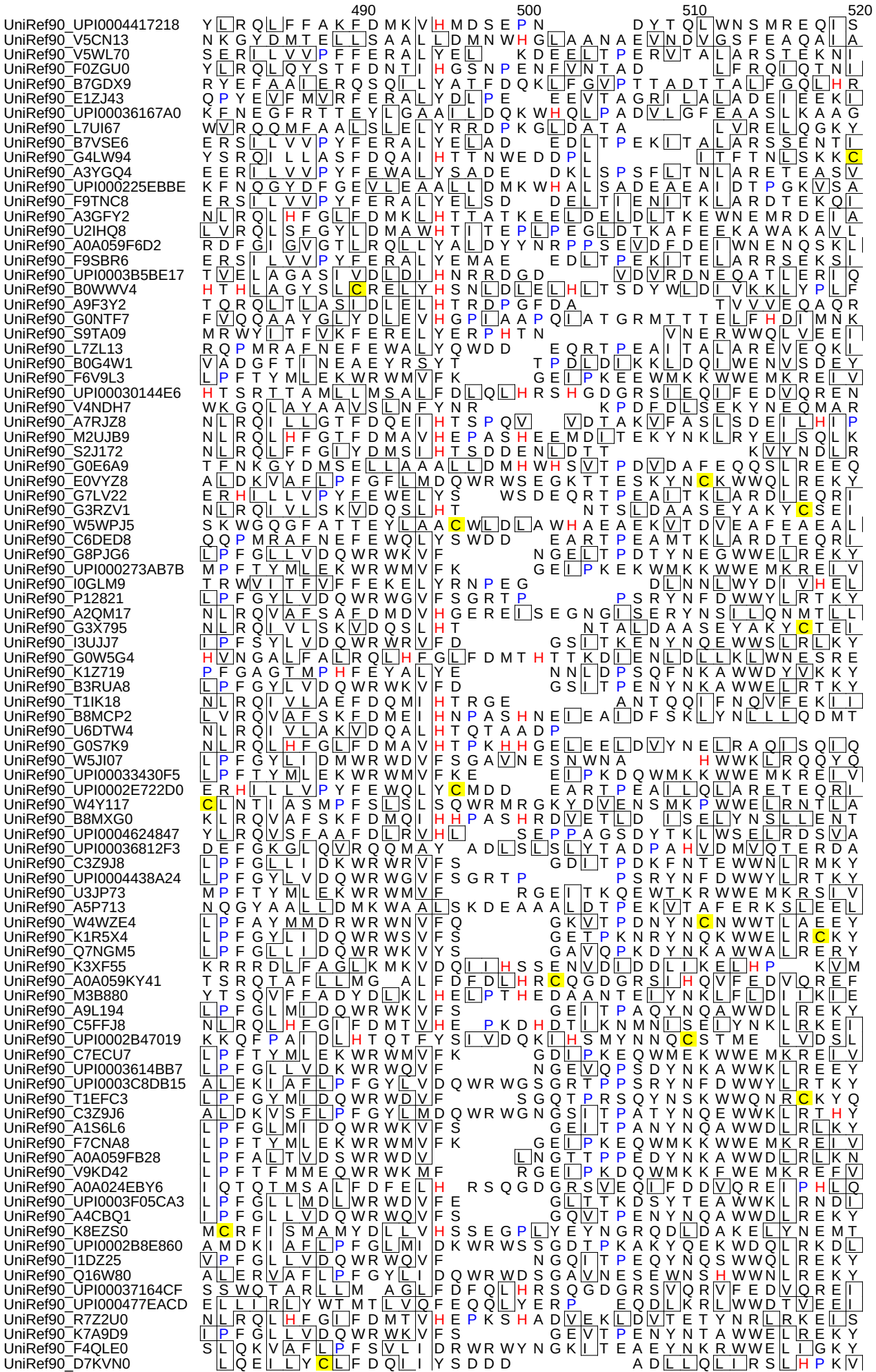

290
300
310
320
UniRef90_UPI0004417218
UniRef90_V5CN13
UniRef90_V5WL70
UniRef90_F0ZGU0
UniRef90_B7GDX9
UniRef90_E1ZJ43
UniRef90_UPI00036167A0
UniRef90_L7UI67
UniRef90_B7VSE6
UniRef90_G4LW94
UniRef90_A3YGQ4
UniRef90_UPI000225EBBE
UniRef90_F9TNC8
UniRef90_A3GFY2
UniRef90_U2IHQ8
UniRef90_A0A059F6D2
UniRef90_F9SBR6
UniRef90_UPI0003B5BE17
UniRef90_B0WWV4
UniRef90_A9F3Y2
UniRef90_G0NTF7
UniRef90_S9TA09
UniRef90_L7ZL13
UniRef90_B0G4W1
UniRef90_F6V9L3
UniRef90_UPI00030144E6
UniRef90_V4NDH7
UniRef90_A7RJZ8
UniRef90_M2UJB9
UniRef90_S2J172
UniRef90_G0E6A9
UniRef90_E0VYZ8
UniRef90_G7LV22
UniRef90_G3RZV1
UniRef90_W5WPJ5
UniRef90_C6DED8
UniRef90_G8PJG6
UniRef90_UPI000273AB7B
UniRef90_I0GLM9
UniRef90_P12821
UniRef90_A2QM17
UniRef90_G3X795
UniRef90_I3UJJ7
UniRef90_G0W5G4
UniRef90_K1Z719
UniRef90_B3RUA8
UniRef90_T1IK18
UniRef90_B8MCP2
UniRef90_U6DTW4
UniRef90_G0S7K9
UniRef90_W5JI07
UniRef90_UPI00033430F5
UniRef90_UPI0002E722D0
UniRef90_W4Y117
UniRef90_B8MXG0
UniRef90_UPI0004624847
UniRef90_UPI00036812F3
UniRef90_C3Z9J8
UniRef90_UPI0004438A24
UniRef90_U3JP73
UniRef90_A5P713
UniRef90_W4WZE4
UniRef90_K1R5X4
UniRef90_Q7NGM5
UniRef90_K3XF55
UniRef90_A0A059KY41
UniRef90_M3B880
UniRef90_A9L194
UniRef90_C5FFJ8
UniRef90_UPI0002B47019
UniRef90_C7ECU7
UniRef90_UPI0003614BB7
UniRef90_UPI0003C8DB15
UniRef90_T1EFC3
UniRef90_C3Z9J6
UniRef90_A1S6L6
UniRef90_F7CNA8
UniRef90_A0A059FB28
UniRef90_V9KD42
UniRef90_A0A024EBY6
UniRef90_UPI0003F05CA3
UniRef90_A4CBQ1
UniRef90_K8EZS0
UniRef90_UPI0002B8E860
UniRef90_I1DZ25
UniRef90_Q16W80
UniRef90_UPI00037164CF
UniRef90_UPI000477EACD
UniRef90_R7Z2U0
UniRef90_K7A9D9
UniRef90_F4QLE0
UniRef90_D7KVN0

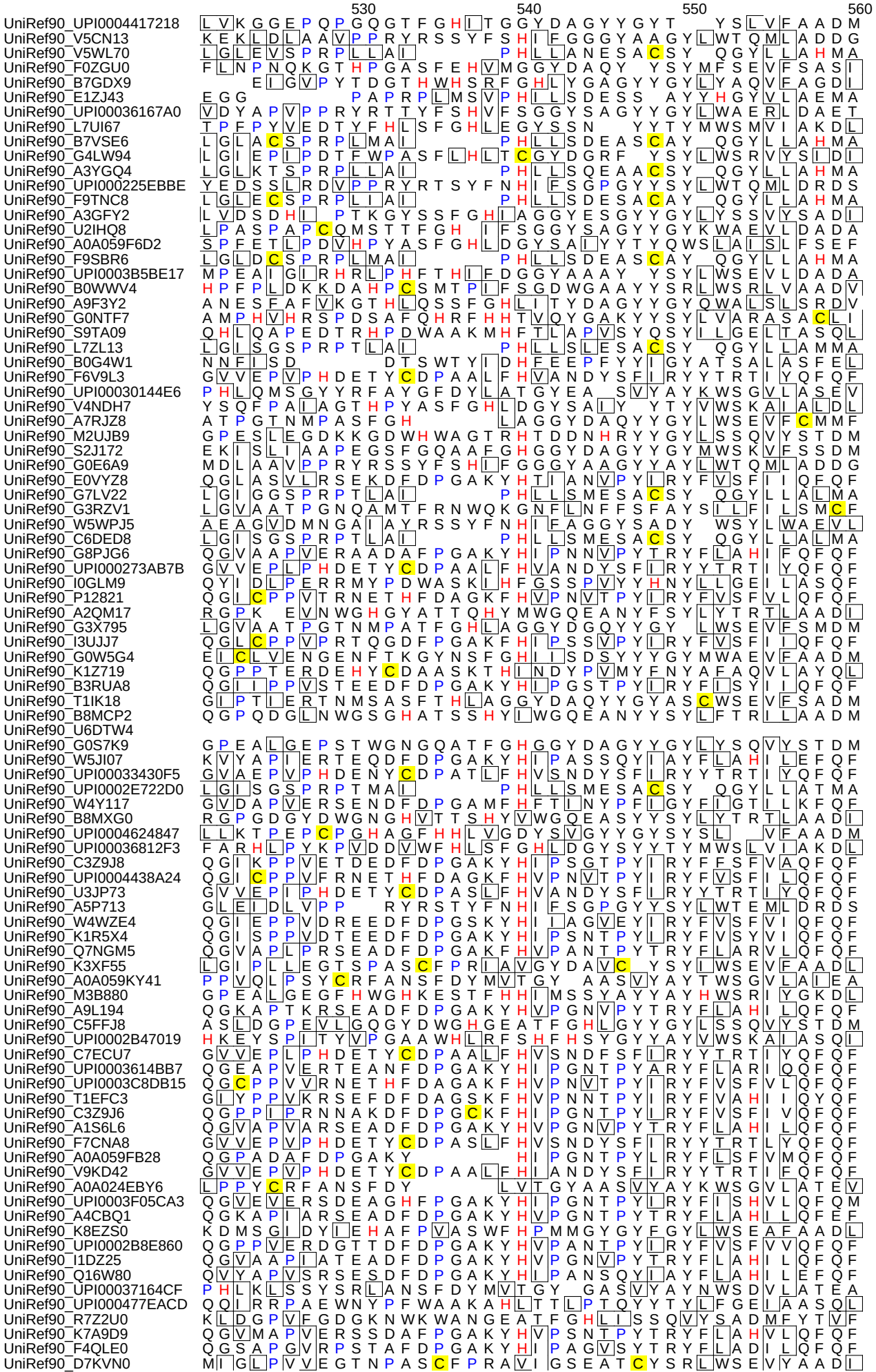

330
340
350
360
UniRef90_UPI0004417218
UniRef90_V5CN13
UniRef90_V5WL70
UniRef90_F0ZGU0
UniRef90_B7GDX9
UniRef90_E1ZJ43
UniRef90_UPI00036167A0
UniRef90_L7UI67
UniRef90_B7VSE6
UniRef90_G4LW94
UniRef90_A3YGQ4
UniRef90_UPI000225EBBE
UniRef90_F9TNC8
UniRef90_A3GFY2
UniRef90_U2IHQ8
UniRef90_A0A059F6D2
UniRef90_F9SBR6
UniRef90_UPI0003B5BE17
UniRef90_B0WWV4
UniRef90_A9F3Y2
UniRef90_G0NTF7
UniRef90_S9TA09
UniRef90_L7ZL13
UniRef90_B0G4W1
UniRef90_F6V9L3
UniRef90_UPI00030144E6
UniRef90_V4NDH7
UniRef90_A7RJZ8
UniRef90_M2UJB9
UniRef90_S2J172
UniRef90_G0E6A9
UniRef90_E0VYZ8
UniRef90_G7LV22
UniRef90_G3RZV1
UniRef90_W5WPJ5
UniRef90_C6DED8
UniRef90_G8PJG6
UniRef90_UPI000273AB7B
UniRef90_I0GLM9
UniRef90_P12821
UniRef90_A2QM17
UniRef90_G3X795
UniRef90_I3UJJ7
UniRef90_G0W5G4
UniRef90_K1Z719
UniRef90_B3RUA8
UniRef90_T1IK18
UniRef90_B8MCP2
UniRef90_U6DTW4
UniRef90_G0S7K9
UniRef90_W5JI07
UniRef90_UPI00033430F5
UniRef90_UPI0002E722D0
UniRef90_W4Y117
UniRef90_B8MXG0
UniRef90_UPI0004624847
UniRef90_UPI00036812F3
UniRef90_C3Z9J8
UniRef90_UPI0004438A24
UniRef90_U3JP73
UniRef90_A5P713
UniRef90_W4WZE4
UniRef90_K1R5X4
UniRef90_Q7NGM5
UniRef90_K3XF55
UniRef90_A0A059KY41
UniRef90_M3B880
UniRef90_A9L194
UniRef90_C5FFJ8
UniRef90_UPI0002B47019
UniRef90_C7ECU7
UniRef90_UPI0003614BB7
UniRef90_UPI0003C8DB15
UniRef90_T1EFC3
UniRef90_C3Z9J6
UniRef90_A1S6L6
UniRef90_F7CNA8
UniRef90_A0A059FB28
UniRef90_V9KD42
UniRef90_A0A024EBY6
UniRef90_UPI0003F05CA3
UniRef90_A4CBQ1
UniRef90_K8EZS0
UniRef90_UPI0002B8E860
UniRef90_I1DZ25
UniRef90_Q16W80
UniRef90_UPI00037164CF
UniRef90_UPI000477EACD
UniRef90_R7Z2U0
UniRef90_K7A9D9
UniRef90_F4QLE0
UniRef90_D7KVN0

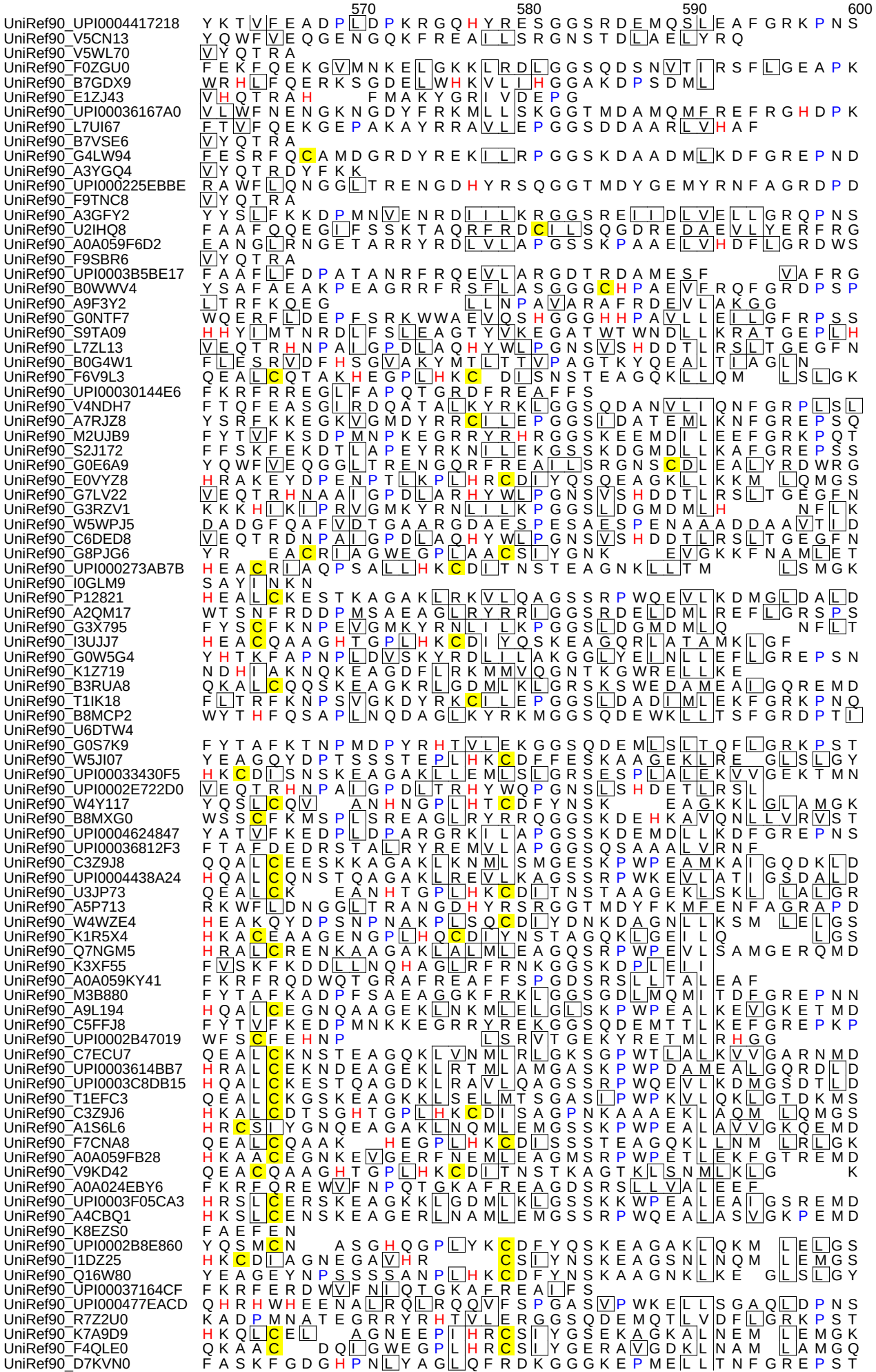

370
380
390
400
UniRef90_UPI0004417218
UniRef90_V5CN13
UniRef90_V5WL70
UniRef90_F0ZGU0
UniRef90_B7GDX9
UniRef90_E1ZJ43
UniRef90_UPI00036167A0
UniRef90_L7UI67
UniRef90_B7VSE6
UniRef90_G4LW94
UniRef90_A3YGQ4
UniRef90_UPI000225EBBE
UniRef90_F9TNC8
UniRef90_A3GFY2
UniRef90_U2IHQ8
UniRef90_A0A059F6D2
UniRef90_F9SBR6
UniRef90_UPI0003B5BE17
UniRef90_B0WWV4
UniRef90_A9F3Y2
UniRef90_G0NTF7
UniRef90_S9TA09
UniRef90_L7ZL13
UniRef90_B0G4W1
UniRef90_F6V9L3
UniRef90_UPI00030144E6
UniRef90_V4NDH7
UniRef90_A7RJZ8
UniRef90_M2UJB9
UniRef90_S2J172
UniRef90_G0E6A9
UniRef90_E0VYZ8
UniRef90_G7LV22
UniRef90_G3RZV1
UniRef90_W5WPJ5
UniRef90_C6DED8
UniRef90_G8PJG6
UniRef90_UPI000273AB7B
UniRef90_I0GLM9
UniRef90_P12821
UniRef90_A2QM17
UniRef90_G3X795
UniRef90_I3UJJ7
UniRef90_G0W5G4
UniRef90_K1Z719
UniRef90_B3RUA8
UniRef90_T1IK18
UniRef90_B8MCP2
UniRef90_U6DTW4
UniRef90_G0S7K9
UniRef90_W5JI07
UniRef90_UPI00033430F5
UniRef90_UPI0002E722D0
UniRef90_W4Y117
UniRef90_B8MXG0
UniRef90_UPI0004624847
UniRef90_UPI00036812F3
UniRef90_C3Z9J8
UniRef90_UPI0004438A24
UniRef90_U3JP73
UniRef90_A5P713
UniRef90_W4WZE4
UniRef90_K1R5X4
UniRef90_Q7NGM5
UniRef90_K3XF55
UniRef90_A0A059KY41
UniRef90_M3B880
UniRef90_A9L194
UniRef90_C5FFJ8
UniRef90_UPI0002B47019
UniRef90_C7ECU7
UniRef90_UPI0003614BB7
UniRef90_UPI0003C8DB15
UniRef90_T1EFC3
UniRef90_C3Z9J6
UniRef90_A1S6L6
UniRef90_F7CNA8
UniRef90_A0A059FB28
UniRef90_V9KD42
UniRef90_A0A024EBY6
UniRef90_UPI0003F05CA3
UniRef90_A4CBQ1
UniRef90_K8EZS0
UniRef90_UPI0002B8E860
UniRef90_I1DZ25
UniRef90_Q16W80
UniRef90_UPI00037164CF
UniRef90_UPI000477EACD
UniRef90_R7Z2U0
UniRef90_K7A9D9
UniRef90_F4QLE0
UniRef90_D7KVN0


410
420
430
440
UniRef90_UPI0004417218
UniRef90_V5CN13
UniRef90_V5WL70
UniRef90_F0ZGU0
UniRef90_B7GDX9
UniRef90_E1ZJ43
UniRef90_UPI00036167A0
UniRef90_L7UI67
UniRef90_B7VSE6
UniRef90_G4LW94
UniRef90_A3YGQ4
UniRef90_UPI000225EBBE
UniRef90_F9TNC8
UniRef90_A3GFY2
UniRef90_U2IHQ8
UniRef90_A0A059F6D2
UniRef90_F9SBR6
UniRef90_UPI0003B5BE17
UniRef90_B0WWV4
UniRef90_A9F3Y2
UniRef90_G0NTF7
UniRef90_S9TA09
UniRef90_L7ZL13
UniRef90_B0G4W1
UniRef90_F6V9L3
UniRef90_UPI00030144E6
UniRef90_V4NDH7
UniRef90_A7RJZ8
UniRef90_M2UJB9
UniRef90_S2J172
UniRef90_G0E6A9
UniRef90_E0VYZ8
UniRef90_G7LV22
UniRef90_G3RZV1
UniRef90_W5WPJ5
UniRef90_C6DED8
UniRef90_G8PJG6
UniRef90_UPI000273AB7B
UniRef90_I0GLM9
UniRef90_P12821
UniRef90_A2QM17
UniRef90_G3X795
UniRef90_I3UJJ7
UniRef90_G0W5G4
UniRef90_K1Z719
UniRef90_B3RUA8
UniRef90_T1IK18
UniRef90_B8MCP2
UniRef90_U6DTW4
UniRef90_G0S7K9
UniRef90_W5JI07
UniRef90_UPI00033430F5
UniRef90_UPI0002E722D0
UniRef90_W4Y117
UniRef90_B8MXG0
UniRef90_UPI0004624847
UniRef90_UPI00036812F3
UniRef90_C3Z9J8
UniRef90_UPI0004438A24
UniRef90_U3JP73
UniRef90_A5P713
UniRef90_W4WZE4
UniRef90_K1R5X4
UniRef90_Q7NGM5
UniRef90_K3XF55
UniRef90_A0A059KY41
UniRef90_M3B880
UniRef90_A9L194
UniRef90_C5FFJ8
UniRef90_UPI0002B47019
UniRef90_C7ECU7
UniRef90_UPI0003614BB7
UniRef90_UPI0003C8DB15
UniRef90_T1EFC3
UniRef90_C3Z9J6
UniRef90_A1S6L6
UniRef90_F7CNA8
UniRef90_A0A059FB28
UniRef90_V9KD42
UniRef90_A0A024EBY6
UniRef90_UPI0003F05CA3
UniRef90_A4CBQ1
UniRef90_K8EZS0
UniRef90_UPI0002B8E860
UniRef90_I1DZ25
UniRef90_Q16W80
UniRef90_UPI00037164CF
UniRef90_UPI000477EACD
UniRef90_R7Z2U0
UniRef90_K7A9D9
UniRef90_F4QLE0
UniRef90_D7KVN0

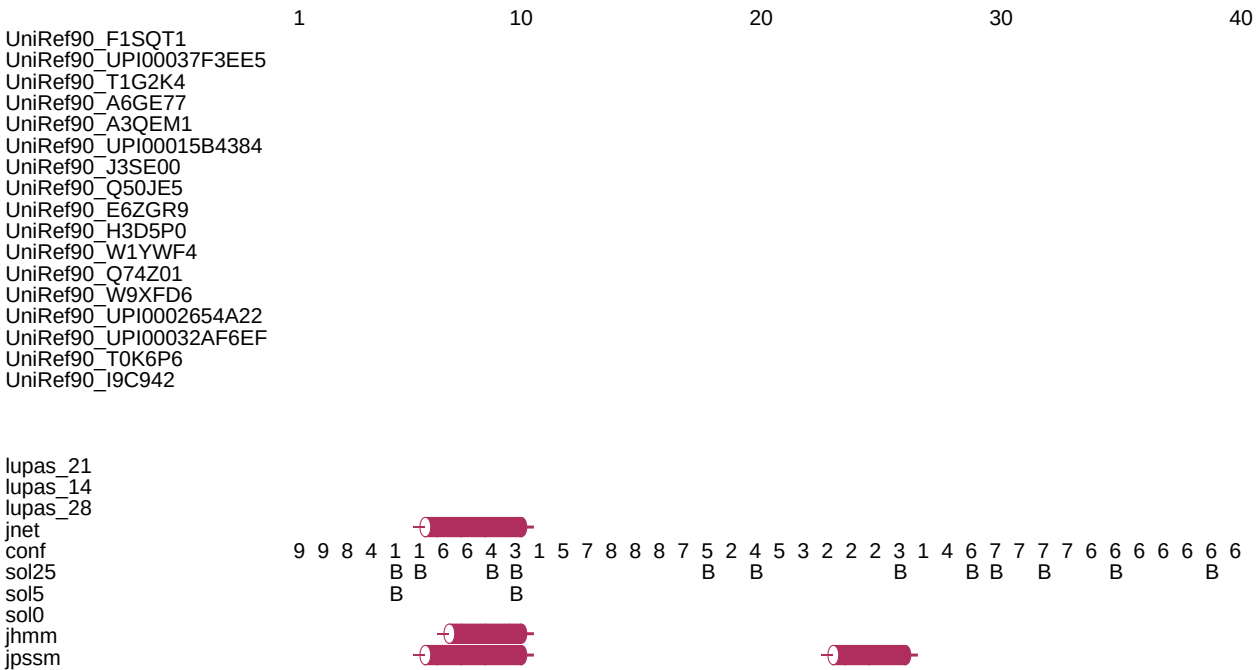

450
460
470
480
UniRef90_UPI0004417218
UniRef90_V5CN13
UniRef90_V5WL70
UniRef90_F0ZGU0
UniRef90_B7GDX9
UniRef90_E1ZJ43
UniRef90_UPI00036167A0
UniRef90_L7UI67
UniRef90_B7VSE6
UniRef90_G4LW94
UniRef90_A3YGQ4
UniRef90_UPI000225EBBE
UniRef90_F9TNC8
UniRef90_A3GFY2
UniRef90_U2IHQ8
UniRef90_A0A059F6D2
UniRef90_F9SBR6
UniRef90_UPI0003B5BE17
UniRef90_B0WWV4
UniRef90_A9F3Y2
UniRef90_G0NTF7
UniRef90_S9TA09
UniRef90_L7ZL13
UniRef90_B0G4W1
UniRef90_F6V9L3
UniRef90_UPI00030144E6
UniRef90_V4NDH7
UniRef90_A7RJZ8
UniRef90_M2UJB9
UniRef90_S2J172
UniRef90_G0E6A9
UniRef90_E0VYZ8
UniRef90_G7LV22
UniRef90_G3RZV1
UniRef90_W5WPJ5
UniRef90_C6DED8
UniRef90_G8PJG6
UniRef90_UPI000273AB7B
UniRef90_I0GLM9
UniRef90_P12821
UniRef90_A2QM17
UniRef90_G3X795
UniRef90_I3UJJ7
UniRef90_G0W5G4
UniRef90_K1Z719
UniRef90_B3RUA8
UniRef90_T1IK18
UniRef90_B8MCP2
UniRef90_U6DTW4
UniRef90_G0S7K9
UniRef90_W5JI07
UniRef90_UPI00033430F5
UniRef90_UPI0002E722D0
UniRef90_W4Y117
UniRef90_B8MXG0
UniRef90_UPI0004624847
UniRef90_UPI00036812F3
UniRef90_C3Z9J8
UniRef90_UPI0004438A24
UniRef90_U3JP73
UniRef90_A5P713
UniRef90_W4WZE4
UniRef90_K1R5X4
UniRef90_Q7NGM5
UniRef90_K3XF55
UniRef90_A0A059KY41
UniRef90_M3B880
UniRef90_A9L194
UniRef90_C5FFJ8
UniRef90_UPI0002B47019
UniRef90_C7ECU7
UniRef90_UPI0003614BB7
UniRef90_UPI0003C8DB15
UniRef90_T1EFC3
UniRef90_C3Z9J6
UniRef90_A1S6L6
UniRef90_F7CNA8
UniRef90_A0A059FB28
UniRef90_V9KD42
UniRef90_A0A024EBY6
UniRef90_UPI0003F05CA3
UniRef90_A4CBQ1
UniRef90_K8EZS0
UniRef90_UPI0002B8E860
UniRef90_I1DZ25
UniRef90_Q16W80
UniRef90_UPI00037164CF
UniRef90_UPI000477EACD
UniRef90_R7Z2U0
UniRef90_K7A9D9
UniRef90_F4QLE0
UniRef90_D7KVN0

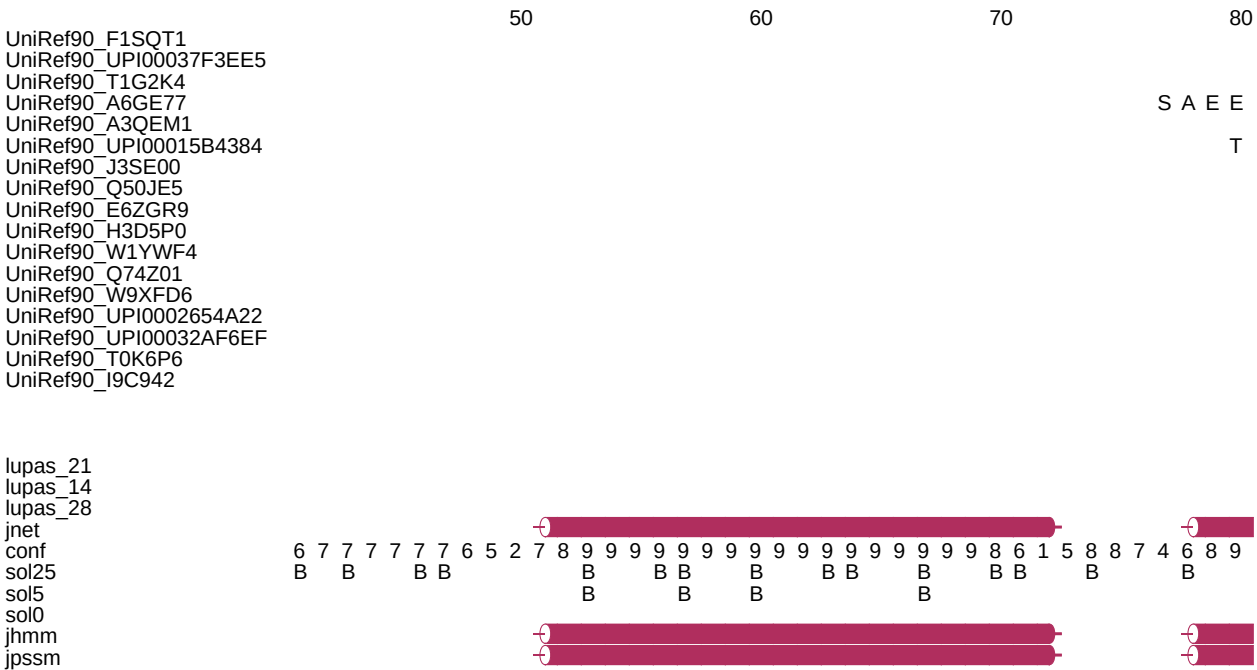

490
500
510
520
UniRef90_UPI0004417218
UniRef90_V5CN13
UniRef90_V5WL70
UniRef90_F0ZGU0
UniRef90_B7GDX9
UniRef90_E1ZJ43
UniRef90_UPI00036167A0
UniRef90_L7UI67
UniRef90_B7VSE6
UniRef90_G4LW94
UniRef90_A3YGQ4
UniRef90_UPI000225EBBE
UniRef90_F9TNC8
UniRef90_A3GFY2
UniRef90_U2IHQ8
UniRef90_A0A059F6D2
UniRef90_F9SBR6
UniRef90_UPI0003B5BE17
UniRef90_B0WWV4
UniRef90_A9F3Y2
UniRef90_G0NTF7
UniRef90_S9TA09
UniRef90_L7ZL13
UniRef90_B0G4W1
UniRef90_F6V9L3
UniRef90_UPI00030144E6
UniRef90_V4NDH7
UniRef90_A7RJZ8
UniRef90_M2UJB9
UniRef90_S2J172
UniRef90_G0E6A9
UniRef90_E0VYZ8
UniRef90_G7LV22
UniRef90_G3RZV1
UniRef90_W5WPJ5
UniRef90_C6DED8
UniRef90_G8PJG6
UniRef90_UPI000273AB7B
UniRef90_I0GLM9
UniRef90_P12821
UniRef90_A2QM17
UniRef90_G3X795
UniRef90_I3UJJ7
UniRef90_G0W5G4
UniRef90_K1Z719
UniRef90_B3RUA8
UniRef90_T1IK18
UniRef90_B8MCP2
UniRef90_U6DTW4
UniRef90_G0S7K9
UniRef90_W5JI07
UniRef90_UPI00033430F5
UniRef90_UPI0002E722D0
UniRef90_W4Y117
UniRef90_B8MXG0
UniRef90_UPI0004624847
UniRef90_UPI00036812F3
UniRef90_C3Z9J8
UniRef90_UPI0004438A24
UniRef90_U3JP73
UniRef90_A5P713
UniRef90_W4WZE4
UniRef90_K1R5X4
UniRef90_Q7NGM5
UniRef90_K3XF55
UniRef90_A0A059KY41
UniRef90_M3B880
UniRef90_A9L194
UniRef90_C5FFJ8
UniRef90_UPI0002B47019
UniRef90_C7ECU7
UniRef90_UPI0003614BB7
UniRef90_UPI0003C8DB15
UniRef90_T1EFC3
UniRef90_C3Z9J6
UniRef90_A1S6L6
UniRef90_F7CNA8
UniRef90_A0A059FB28
UniRef90_V9KD42
UniRef90_A0A024EBY6
UniRef90_UPI0003F05CA3
UniRef90_A4CBQ1
UniRef90_K8EZS0
UniRef90_UPI0002B8E860
UniRef90_I1DZ25
UniRef90_Q16W80
UniRef90_UPI00037164CF
UniRef90_UPI000477EACD
UniRef90_R7Z2U0
UniRef90_K7A9D9
UniRef90_F4QLE0
UniRef90_D7KVN0

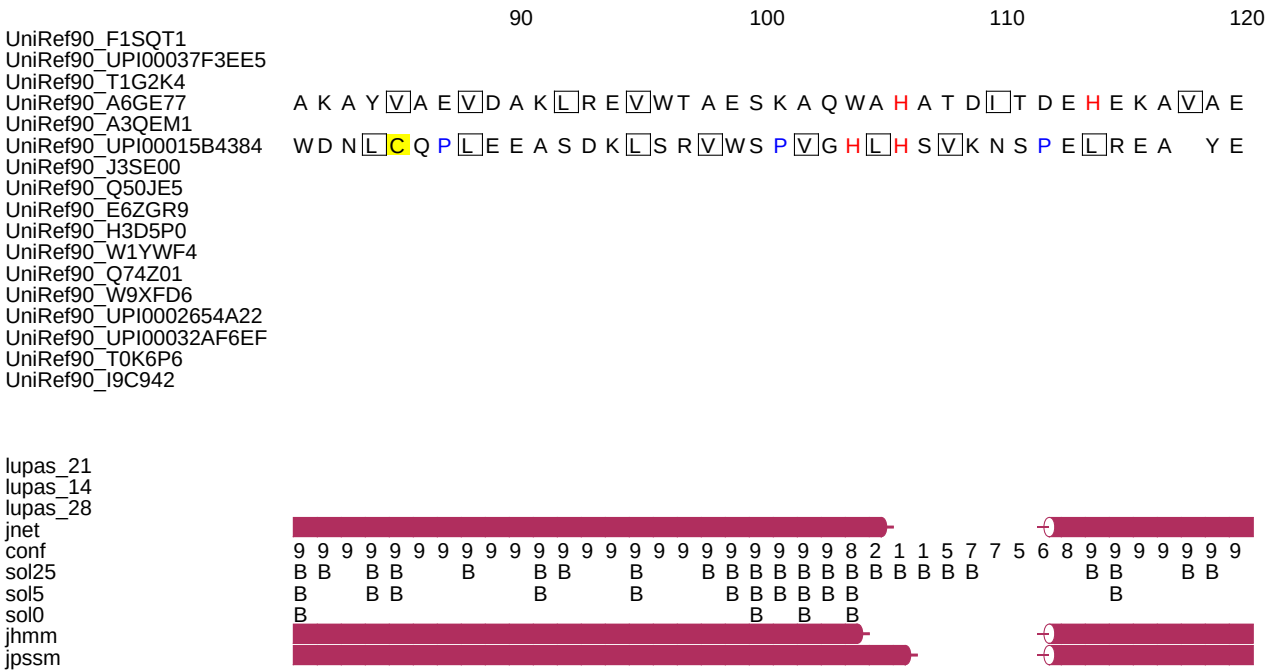

530
540
550
560
UniRef90_UPI0004417218
UniRef90_V5CN13
UniRef90_V5WL70
UniRef90_F0ZGU0
UniRef90_B7GDX9
UniRef90_E1ZJ43
UniRef90_UPI00036167A0
UniRef90_L7UI67
UniRef90_B7VSE6
UniRef90_G4LW94
UniRef90_A3YGQ4
UniRef90_UPI000225EBBE
UniRef90_F9TNC8
UniRef90_A3GFY2
UniRef90_U2IHQ8
UniRef90_A0A059F6D2
UniRef90_F9SBR6
UniRef90_UPI0003B5BE17
UniRef90_B0WWV4
UniRef90_A9F3Y2
UniRef90_G0NTF7
UniRef90_S9TA09
UniRef90_L7ZL13
UniRef90_B0G4W1
UniRef90_F6V9L3
UniRef90_UPI00030144E6
UniRef90_V4NDH7
UniRef90_A7RJZ8
UniRef90_M2UJB9
UniRef90_S2J172
UniRef90_G0E6A9
UniRef90_E0VYZ8
UniRef90_G7LV22
UniRef90_G3RZV1
UniRef90_W5WPJ5
UniRef90_C6DED8
UniRef90_G8PJG6
UniRef90_UPI000273AB7B
UniRef90_I0GLM9
UniRef90_P12821
UniRef90_A2QM17
UniRef90_G3X795
UniRef90_I3UJJ7
UniRef90_G0W5G4
UniRef90_K1Z719
UniRef90_B3RUA8
UniRef90_T1IK18
UniRef90_B8MCP2
UniRef90_U6DTW4
UniRef90_G0S7K9
UniRef90_W5JI07
UniRef90_UPI00033430F5
UniRef90_UPI0002E722D0
UniRef90_W4Y117
UniRef90_B8MXG0
UniRef90_UPI0004624847
UniRef90_UPI00036812F3
UniRef90_C3Z9J8
UniRef90_UPI0004438A24
UniRef90_U3JP73
UniRef90_A5P713
UniRef90_W4WZE4
UniRef90_K1R5X4
UniRef90_Q7NGM5
UniRef90_K3XF55
UniRef90_A0A059KY41
UniRef90_M3B880
UniRef90_A9L194
UniRef90_C5FFJ8
UniRef90_UPI0002B47019
UniRef90_C7ECU7
UniRef90_UPI0003614BB7
UniRef90_UPI0003C8DB15
UniRef90_T1EFC3
UniRef90_C3Z9J6
UniRef90_A1S6L6
UniRef90_F7CNA8
UniRef90_A0A059FB28
UniRef90_V9KD42
UniRef90_A0A024EBY6
UniRef90_UPI0003F05CA3
UniRef90_A4CBQ1
UniRef90_K8EZS0
UniRef90_UPI0002B8E860
UniRef90_I1DZ25
UniRef90_Q16W80
UniRef90_UPI00037164CF
UniRef90_UPI000477EACD
UniRef90_R7Z2U0
UniRef90_K7A9D9
UniRef90_F4QLE0
UniRef90_D7KVN0

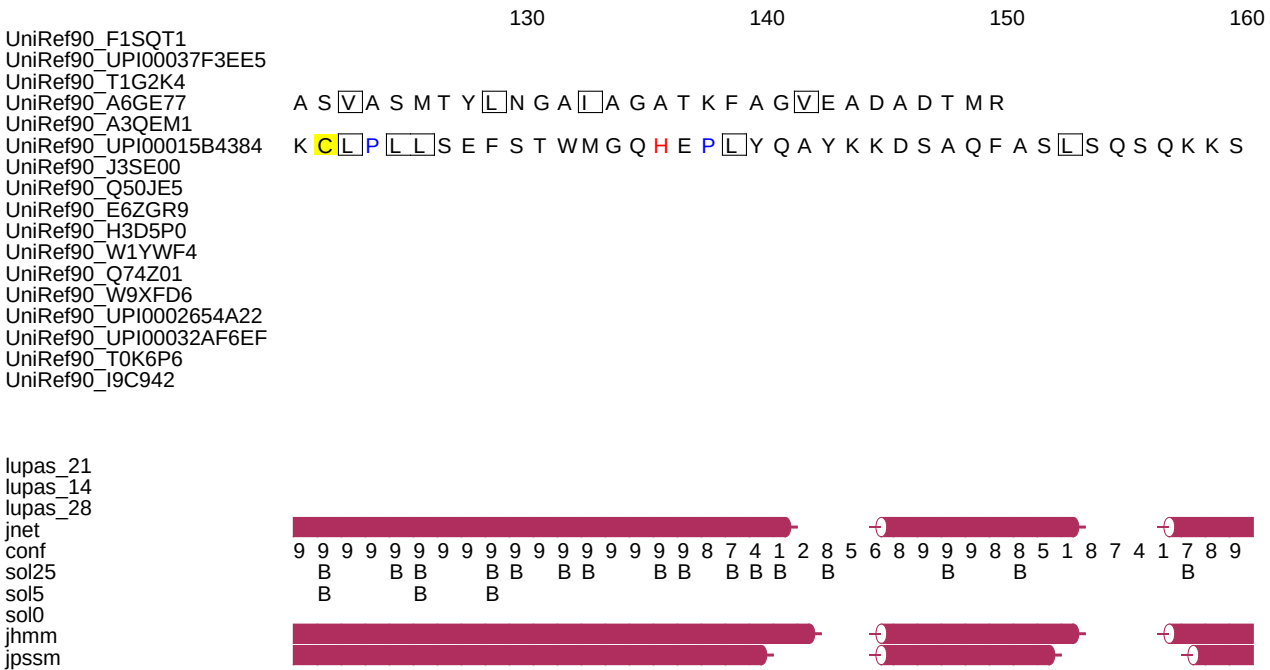

570
580
590
600
UniRef90_UPI0004417218
UniRef90_V5CN13
UniRef90_V5WL70
UniRef90_F0ZGU0
UniRef90_B7GDX9
UniRef90_E1ZJ43
UniRef90_UPI00036167A0
UniRef90_L7UI67
UniRef90_B7VSE6
UniRef90_G4LW94
UniRef90_A3YGQ4
UniRef90_UPI000225EBBE
UniRef90_F9TNC8
UniRef90_A3GFY2
UniRef90_U2IHQ8
UniRef90_A0A059F6D2
UniRef90_F9SBR6
UniRef90_UPI0003B5BE17
UniRef90_B0WWV4
UniRef90_A9F3Y2
UniRef90_G0NTF7
UniRef90_S9TA09
UniRef90_L7ZL13
UniRef90_B0G4W1
UniRef90_F6V9L3
UniRef90_UPI00030144E6
UniRef90_V4NDH7
UniRef90_A7RJZ8
UniRef90_M2UJB9
UniRef90_S2J172
UniRef90_G0E6A9
UniRef90_E0VYZ8
UniRef90_G7LV22
UniRef90_G3RZV1
UniRef90_W5WPJ5
UniRef90_C6DED8
UniRef90_G8PJG6
UniRef90_UPI000273AB7B
UniRef90_I0GLM9
UniRef90_P12821
UniRef90_A2QM17
UniRef90_G3X795
UniRef90_I3UJJ7
UniRef90_G0W5G4
UniRef90_K1Z719
UniRef90_B3RUA8
UniRef90_T1IK18
UniRef90_B8MCP2
UniRef90_U6DTW4
UniRef90_G0S7K9
UniRef90_W5JI07
UniRef90_UPI00033430F5
UniRef90_UPI0002E722D0
UniRef90_W4Y117
UniRef90_B8MXG0
UniRef90_UPI0004624847
UniRef90_UPI00036812F3
UniRef90_C3Z9J8
UniRef90_UPI0004438A24
UniRef90_U3JP73
UniRef90_A5P713
UniRef90_W4WZE4
UniRef90_K1R5X4
UniRef90_Q7NGM5
UniRef90_K3XF55
UniRef90_A0A059KY41
UniRef90_M3B880
UniRef90_A9L194
UniRef90_C5FFJ8
UniRef90_UPI0002B47019
UniRef90_C7ECU7
UniRef90_UPI0003614BB7
UniRef90_UPI0003C8DB15
UniRef90_T1EFC3
UniRef90_C3Z9J6
UniRef90_A1S6L6
UniRef90_F7CNA8
UniRef90_A0A059FB28
UniRef90_V9KD42
UniRef90_A0A024EBY6
UniRef90_UPI0003F05CA3
UniRef90_A4CBQ1
UniRef90_K8EZS0
UniRef90_UPI0002B8E860
UniRef90_I1DZ25
UniRef90_Q16W80
UniRef90_UPI00037164CF
UniRef90_UPI000477EACD
UniRef90_R7Z2U0
UniRef90_K7A9D9
UniRef90_F4QLE0
UniRef90_D7KVN0

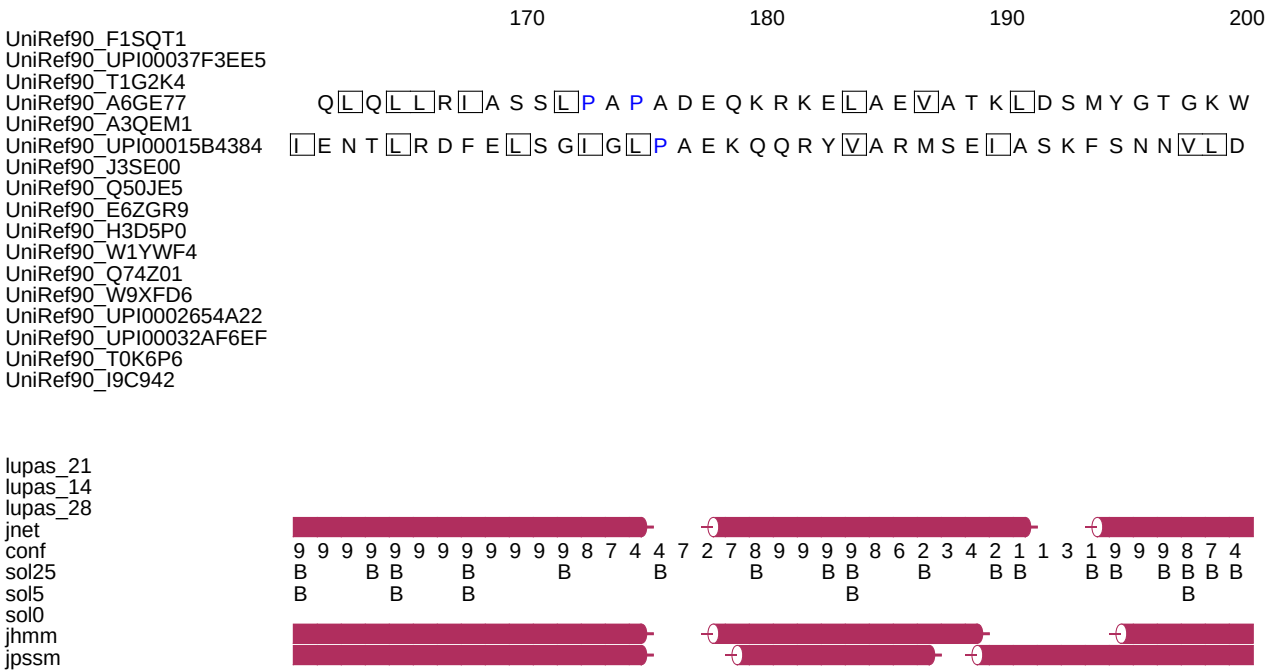
	610	620
UniRef90_UPI0004417218	E A F L E A L F	
UniRef90_V5CN13		
UniRef90_V5WL70		
UniRef90_F0ZGU0	E S A F L K T I N L	
UniRef90_B7GDX9		
UniRef90_E1ZJ43		
UniRef90_UPI00036167A0	V E P L L E	
UniRef90_L7UI67		
UniRef90_B7VSE6		
UniRef90_G4LW94	N A F F K	
UniRef90_A3YGQ4		
UniRef90_UPI000225EBBE	V K Y M L I A L G L A E E	
UniRef90_F9TNC8		
UniRef90_A3GFY2	D A F L E E I F	
UniRef90_U2IHQ8	Q A P S I E A L	
UniRef90_A0A059F6D2	P D A Y E A Y L	
UniRef90_F9SBR6		
UniRef90_UPI0003B5BE17	R E P N E R F L L Q T R G L E A E	
UniRef90_B0WWV4	K A L L Q	
UniRef90_A9F3Y2		
UniRef90_G0NTF7	K D	
UniRef90_S9TA09	P K Y F	
UniRef90_L7ZL13	P D Y L A Q A C N	
UniRef90_B0G4W1		
UniRef90_F6V9L3	S E P W T L A L E R I V G L L N Y F E P L F T W L K D	
UniRef90_UPI00030144E6		
UniRef90_V4NDH7	D A F K E E	
UniRef90_A7RJZ8	E A F L	
UniRef90_M2UJB9	E A F Y K E	
UniRef90_S2J172	D A F M R E D I	
UniRef90_G0E6A9	H D P L I E	
UniRef90_E0VYZ8	S K P W P D A M E V L S A L L D Y F S S L K N W L E K	
UniRef90_G7LV22	P A Y L A Q A C N L V E E A W Q R A E A A I A Q A S Q	
UniRef90_G3RZV1	R E P N Q K A F	
UniRef90_W5WPJ5	P D D V R F A G D R F R R M I	
UniRef90_C6DED8	P A Y L A Q A C N L	
UniRef90_G8PJG6	G S P W Q D S L E A F	
UniRef90_UPI000273AB7B	A E P W T K A L E S V V G	
UniRef90_I0GLM9		
UniRef90_P12821	A Q P L L K Y F Q P V T Q W L Q E	
UniRef90_A2QM17	P E A Y	
UniRef90_G3X795	R E P N Q K A F	
UniRef90_I3UJJ7	S R P W P E A M Q L I	
UniRef90_G0W5G4	K P F L K E	
UniRef90_K1Z719		
UniRef90_B3RUA8	A S A I V E Y F K P L D D W L K E	
UniRef90_T1IK18	N A F L K K G I D L V	
UniRef90_B8MCP2	Q A Y L K D	
UniRef90_U6DTW4		
UniRef90_G0S7K9	E A F Y K E	
UniRef90_W5JI07	S E D W Q D A L E K L Q A L L E Y F E P L Y R F L K E	
UniRef90_UPI00033430F5	V K P L L N Y F E P L F T W L K E	
UniRef90_UPI0002E722D0		
UniRef90_W4Y117	S M P W Q D A M D A I D A I L E Y Y Q P L M E W L E R T	
UniRef90_B8MXG0	P E A Y	
UniRef90_UPI0004624847	E A F V K Q L F	
UniRef90_UPI00036812F3		
UniRef90_C3Z9J8	P S A I L K Y F E P L E K W L R E	
UniRef90_UPI0004438A24	A R P L L S Y F Q P V T E W L Q E	
UniRef90_U3JP73	S K P W T Q A L E S V T G L L H Y F E P L Y E W L K Q N	
UniRef90_A5P713	V T P M L E A R G L V A G D	
UniRef90_W4WZE4	S K P W Q D A M E K I A G L L E Y F K P L T D W L T E	
UniRef90_K1R5X4	S I P W Q D A M E R L S A I L E Y F K P L I D W L K	
UniRef90_Q7NGM5	A T A M L D Y F A P L K S W L D E	
UniRef90_K3XF55		
UniRef90_A0A059KY41		
UniRef90_M3B880	D A Y Y E D	
UniRef90_A9L194	A K A V L D Y F A P L K T W L D E	
UniRef90_C5FFJ8	D A F Y K E	
UniRef90_UPI0002B47019		
UniRef90_C7ECU7	V R P L L N Y F E P L S V W L K E	
UniRef90_UPI0003614BB7	A S A I I D Y F Q P L M A Y L E E	
UniRef90_UPI0003C8DB15	A R P L L E Y F Q P V S E	
UniRef90_T1EFC3	A K P L M A Y F K P L I D W L K K	
UniRef90_C3Z9J6	S Q M W P D A M E V I T G I L D Y F Q P L I T W L E Q	
UniRef90_A1S6L6	A S A V L D Y F A P L K T W L D E	
UniRef90_F7CNA8	S E P W T L A L E N V V G L L N Y F E P L F T W L K D	
UniRef90_A0A059FB28	A S A M V E Y F E P L T E Y L D E	
UniRef90_V9KD42	S K S W T R A L E E V T G L L N Y F K P L Y E W L K K	
UniRef90_A0A024EBY6		
UniRef90_UPI0003F05CA3	A S A I V D Y F K P L M T W L E E	
UniRef90_A4CBQ1	A T A I L D Y F A P L Q K Y L D E	
UniRef90_K8EZS0		
UniRef90_UPI0002B8E860	S K P W Q F A M N E I T G S A D	
UniRef90_I1DZ25	S Q P W Q Q A L E V V	
UniRef90_Q16W80	S E D W R F A L E K L	
UniRef90_UPI00037164CF		
UniRef90_UPI000477EACD		
UniRef90_R7Z2U0	E A F Y K E	
UniRef90_K7A9D9	S Q P W Q K A L A S L	
UniRef90_F4QLE0	S Q P W P E A M E A F	
UniRef90_D7KVN0	E A F I D S	

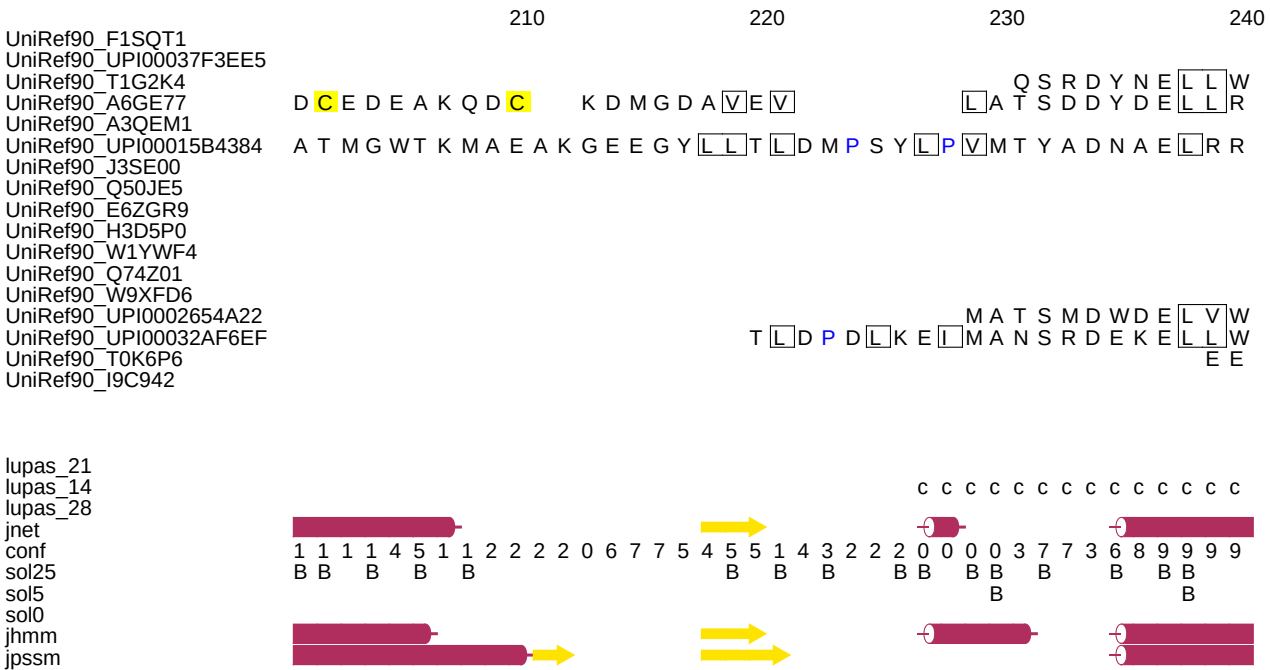

1
10
20
30
40
UniRef90_F1SQT1
UniRef90_UPI00037F3EE5
UniRef90_T1G2K4
UniRef90_A6GE77
UniRef90_A3QEM1
UniRef90_UPI00015B4384
UniRef90_J3SE00
UniRef90_Q50JE5
UniRef90_E6ZGR9
UniRef90_H3D5P0
UniRef90_W1YWF4
UniRef90_Q74Z01
UniRef90_W9XFD6
UniRef90_UPI0002654A22
UniRef90_UPI00032AF6EF
UniRef90_T0K6P6
UniRef90_I9C942
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm

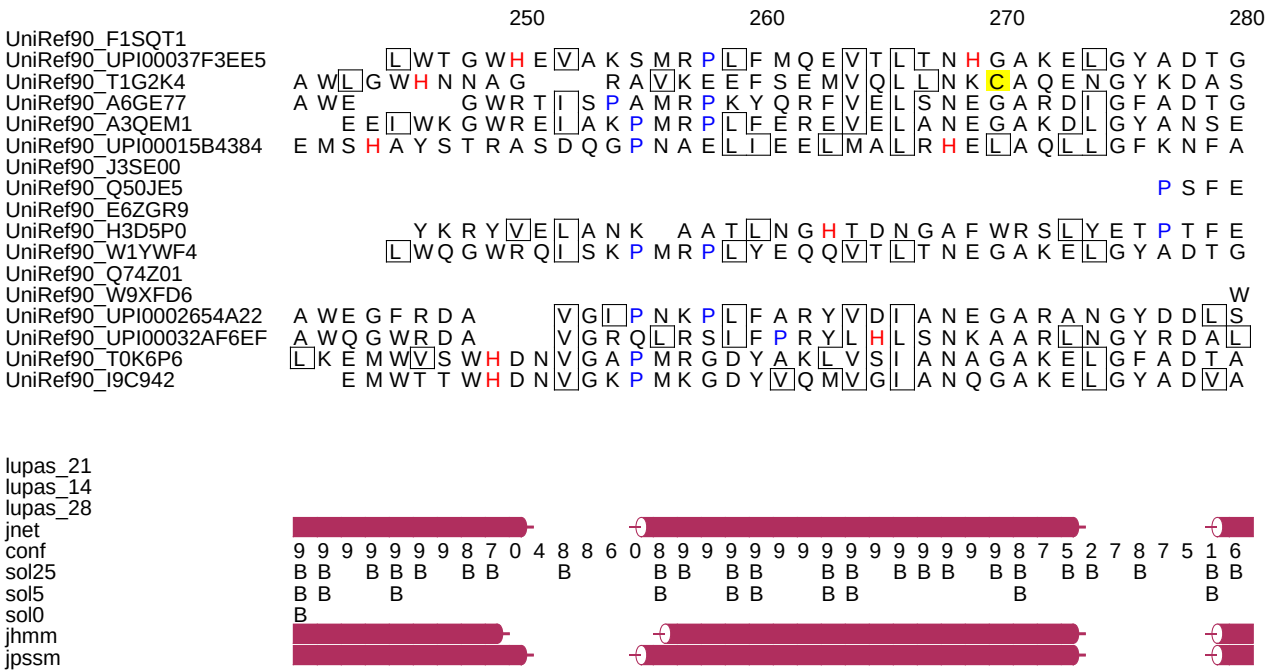

50
60
70
80
UniRef90_F1SQT1
UniRef90_UPI00037F3EE5
UniRef90_T1G2K4
UniRef90_A6GE77
UniRef90_A3QEM1
UniRef90_UPI00015B4384
UniRef90_J3SE00
UniRef90_Q50JE5
UniRef90_E6ZGR9
UniRef90_H3D5P0
UniRef90_W1YWF4
UniRef90_Q74Z01
UniRef90_W9XFD6
UniRef90_UPI0002654A22
UniRef90_UPI00032AF6EF
UniRef90_T0K6P6
UniRef90_I9C942
S A E E
T
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm
6 7 7 7 7 7 6 5 2 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 8 6 1 5 8 8 7 4 6 8 9
B B B B B B B B B B B B B B B

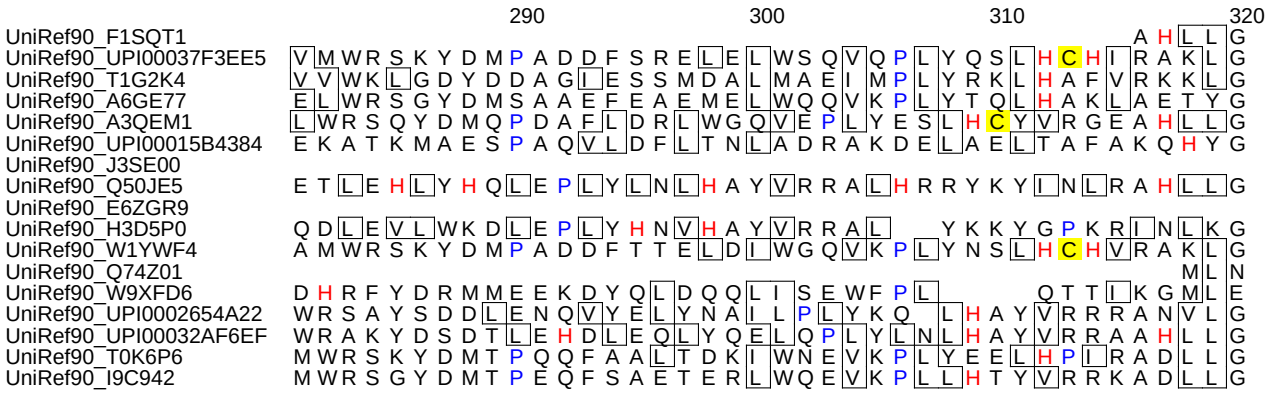

90
100
110
120
UniRef90_F1SQT1
UniRef90_UPI00037F3EE5
UniRef90_T1G2K4
UniRef90_A6GE77
UniRef90_A3QEM1
UniRef90_UPI00015B4384
UniRef90_J3SE00
UniRef90_Q50JE5
UniRef90_E6ZGR9
UniRef90_H3D5P0
UniRef90_W1YWF4
UniRef90_Q74Z01
UniRef90_W9XFD6
UniRef90_UPI0002654A22
UniRef90_UPI00032AF6EF
UniRef90_T0K6P6
UniRef90_I9C942
A K A Y V A E V D A K L R E V W T A E S K A Q W A H A T D I T D E H E K A V A E
W D N L C Q P L E E A S D K L S R V W S P V G H L H S V K N S P E L R E A Y E
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm

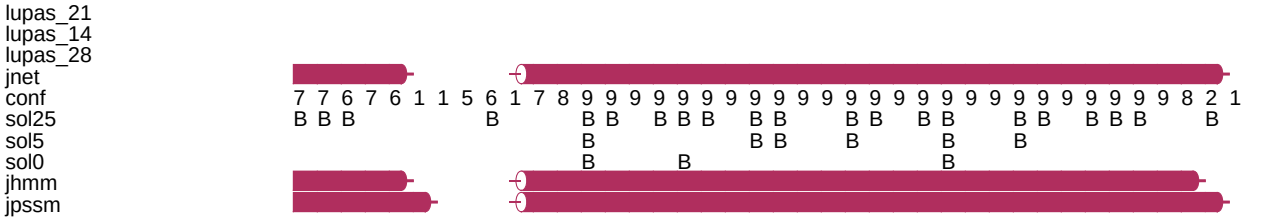

130
140
150
160
UniRef90_F1SQT1
UniRef90_UPI00037F3EE5
UniRef90_T1G2K4
UniRef90_A6GE77
UniRef90_A3QEM1
UniRef90_UPI00015B4384
UniRef90_J3SE00
UniRef90_Q50JE5
UniRef90_E6ZGR9
UniRef90_H3D5P0
UniRef90_W1YWF4
UniRef90_Q74Z01
UniRef90_W9XFD6
UniRef90_UPI0002654A22
UniRef90_UPI00032AF6EF
UniRef90_T0K6P6
UniRef90_I9C942
A S V A S M T Y L N G A I A G A T K F A G V E A D A D T M R
K C L P L L S E F S T W M G Q H E P L Y Q A Y K K D S A Q F A S L S Q S Q K K S
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm
9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 8 7 4 1 2 8 5 6 8 9 9 8 8 5 1 8 7 4 1 7 8 9
B B B

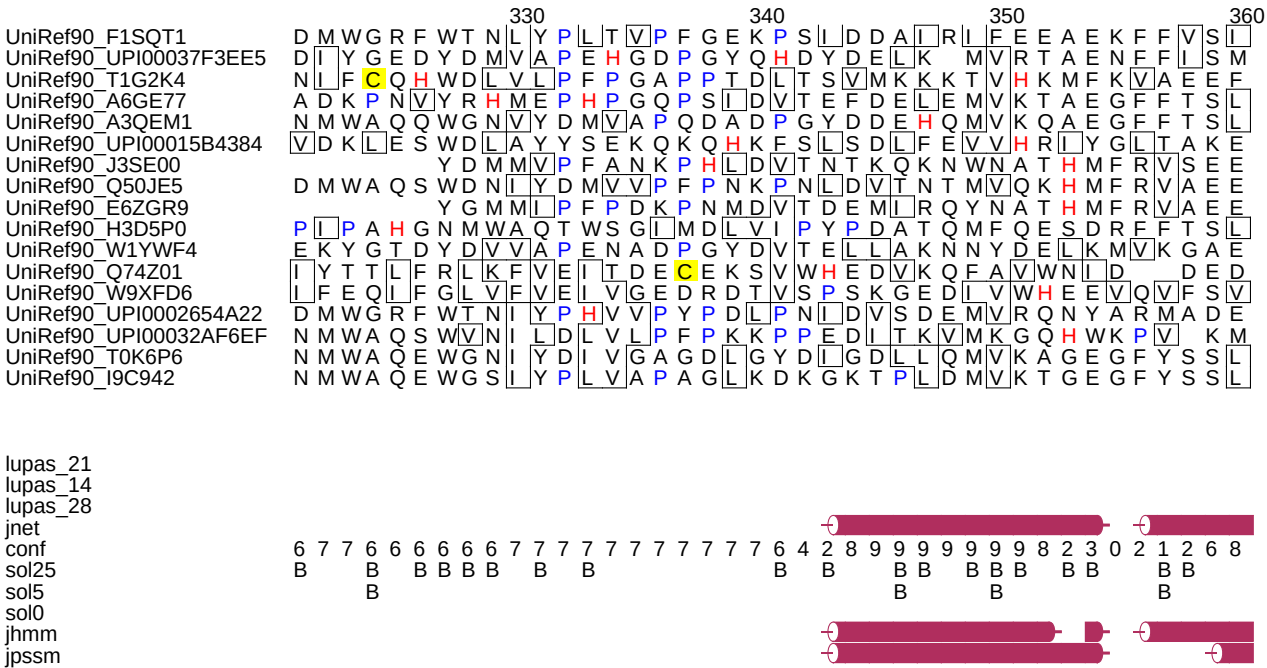

170
180
190
200
UniRef90_F1SQT1
UniRef90_UPI00037F3EE5
UniRef90_T1G2K4
UniRef90_A6GE77
UniRef90_A3QEM1
UniRef90_UPI00015B4384
UniRef90_J3SE00
UniRef90_Q50JE5
UniRef90_E6ZGR9
UniRef90_H3D5P0
UniRef90_W1YWF4
UniRef90_Q74Z01
UniRef90_W9XFD6
UniRef90_UPI0002654A22
UniRef90_UPI00032AF6EF
UniRef90_T0K6P6
UniRef90_I9C942
Q L Q L L R I A S S L P A P A D E Q K R K E L A E V A T K L D S M Y G T G K W
I E N T L R D F E L S G I G L P A E K Q Q R Y V A R M S E I A S K F S N N V L D
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm

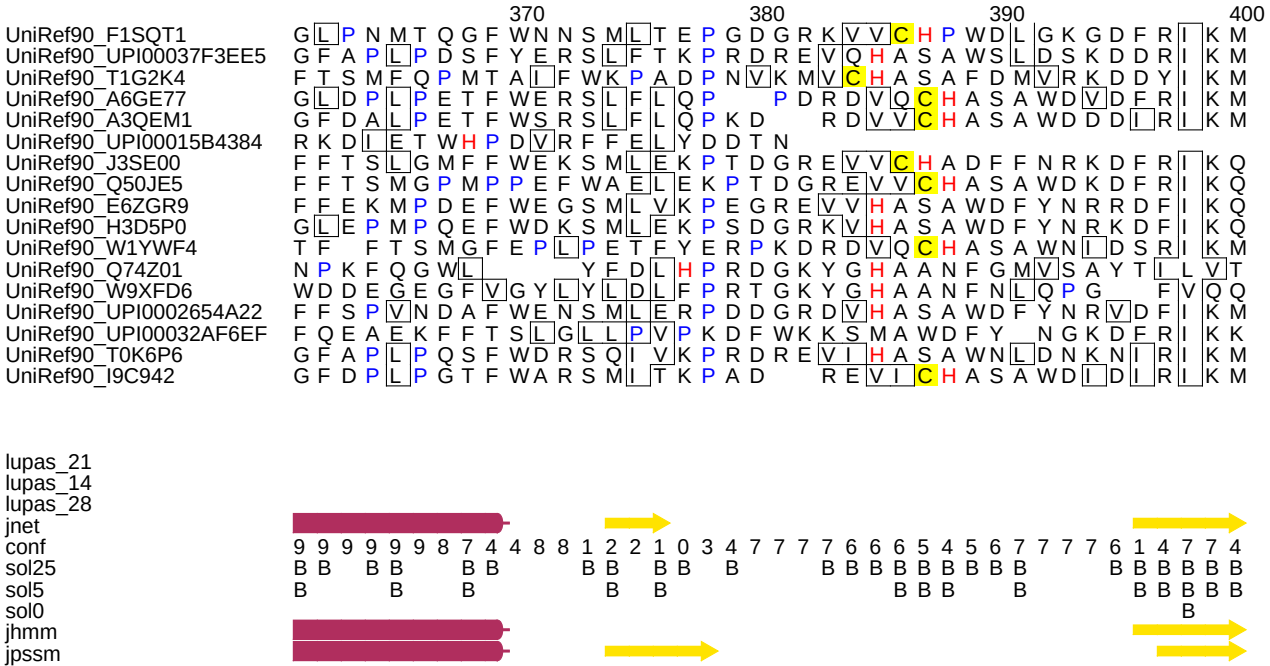

210
220
230
240
UniRef90_F1SQT1
UniRef90_UPI00037F3EE5
UniRef90_T1G2K4
UniRef90_A6GE77
UniRef90_A3QEM1
UniRef90_UPI00015B4384
UniRef90_J3SE00
UniRef90_Q50JE5
UniRef90_E6ZGR9
UniRef90_H3D5P0
UniRef90_W1YWF4
UniRef90_Q74Z01
UniRef90_W9XFD6
UniRef90_UPI0002654A22
UniRef90_UPI00032AF6EF
UniRef90_T0K6P6
UniRef90_I9C942
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


250
260
270
280
UniRef90_F1SQT1
UniRef90_UPI00037F3EE5
UniRef90_T1G2K4
UniRef90_A6GE77
UniRef90_A3QEM1
UniRef90_UPI00015B4384
UniRef90_J3SE00
UniRef90_Q50JE5
UniRef90_E6ZGR9
UniRef90_H3D5P0
UniRef90_W1YWF4
UniRef90_Q74Z01
UniRef90_W9XFD6
UniRef90_UPI0002654A22
UniRef90_UPI00032AF6EF
UniRef90_T0K6P6
UniRef90_I9C942
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm

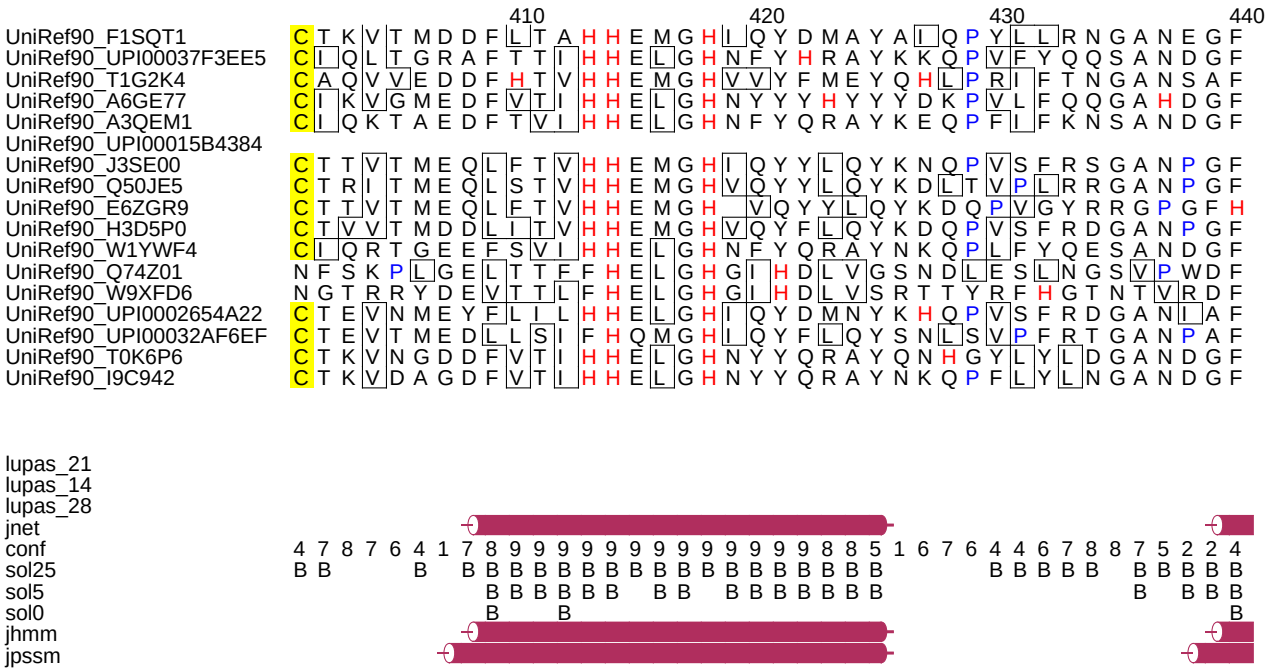

290
300
310
320
UniRef90_F1SQT1
UniRef90_UPI00037F3EE5
UniRef90_T1G2K4
UniRef90_A6GE77
UniRef90_A3QEM1
UniRef90_UPI00015B4384
UniRef90_J3SE00
UniRef90_Q50JE5
UniRef90_E6ZGR9
UniRef90_H3D5P0
UniRef90_W1YWF4
UniRef90_Q74Z01
UniRef90_W9XFD6
UniRef90_UPI0002654A22
UniRef90_UPI00032AF6EF
UniRef90_T0K6P6
UniRef90_I9C942

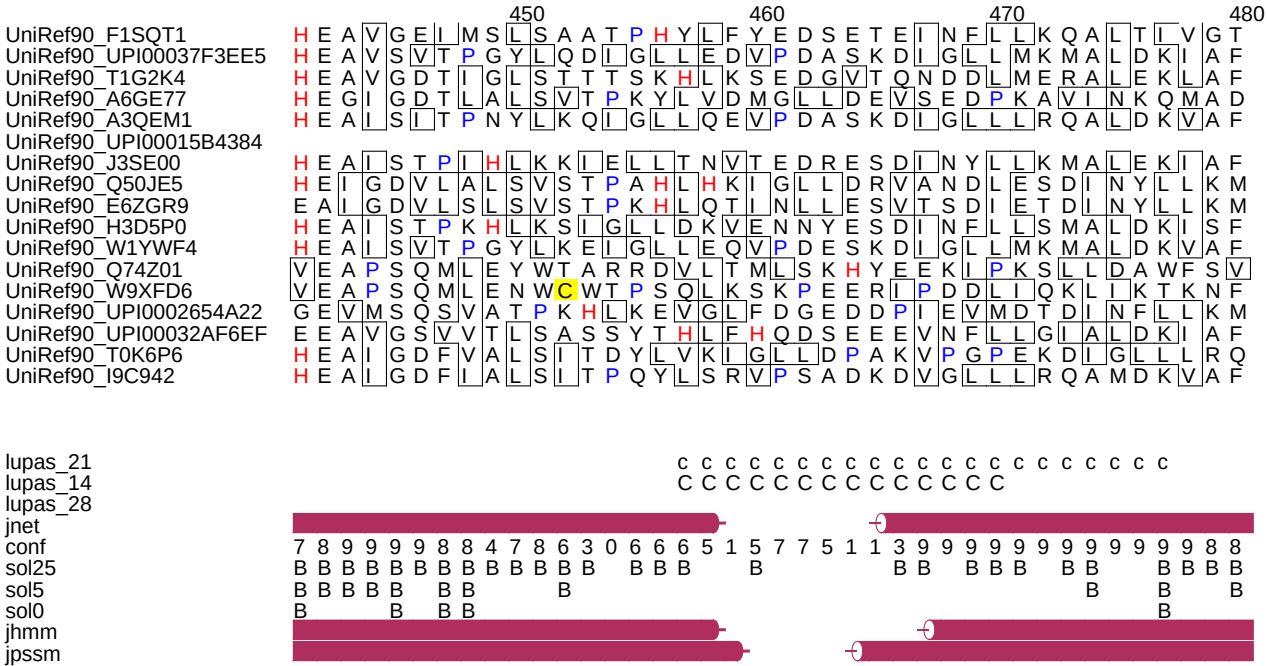

lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm

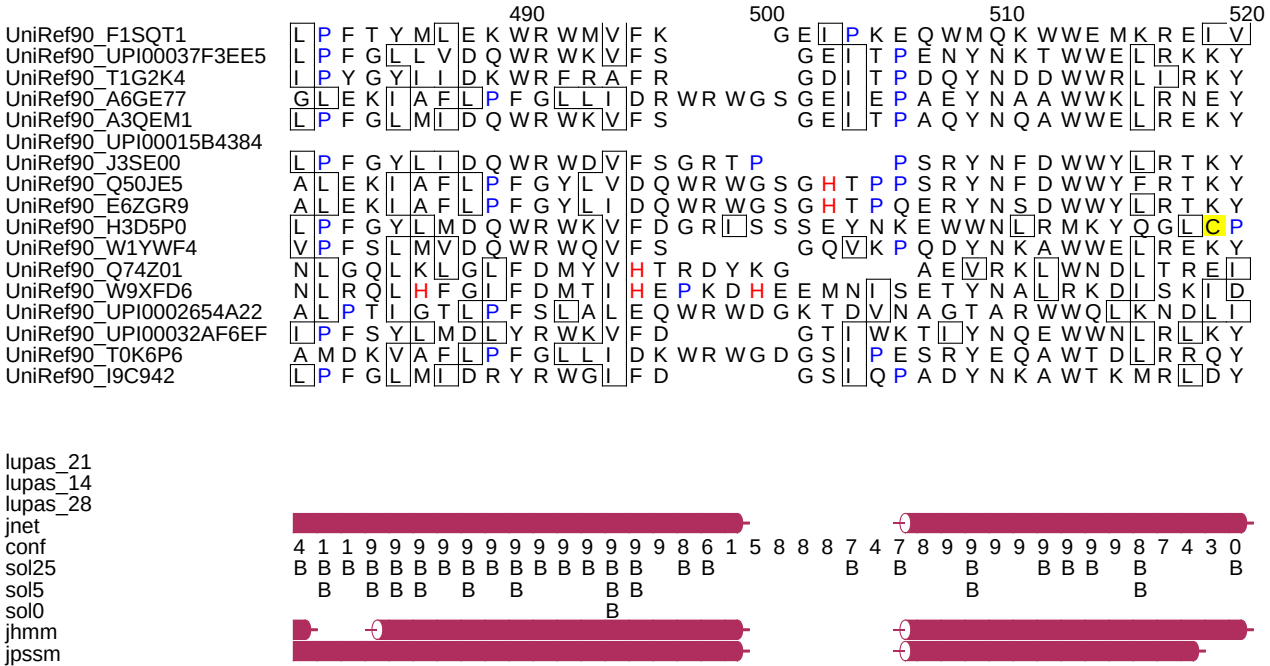

330
340
350
360
UniRef90_F1SQT1 D M W G R F W T N L Y P L T V P F G E K P S I D D A I R I F E E A E K F F V S I
UniRef90_UPI00037F3EE5 D I Y G E D Y D M V A P E H G D P G Y Q H D Y D E L K M V R T A E N F F I S M
UniRef90_T1G2K4 N I F C Q H W D L V L P F P G A P P T D L T S V M K K K T V H K M F K V A E E F
UniRef90_A6GE77 A D K P N V Y R H M E P H P G Q P S I D V T E F D E L E M V K T A E G F F T S L
UniRef90_A3QEM1 N M W A Q Q W G N V Y D M V A P Q D A D P G Y D D E H Q M V K Q A E G F F T S L
UniRef90_UPI00015B4384 V D K L E S W D L A Y Y S E K Q K Q H K F S L S D L F E V V H R I Y G L T A K E
UniRef90_J3SE00 Y D M M V P F A N K P H L D V T N T K Q K N W N A T H M F R V S E E
UniRef90_Q50JE5 D M W A Q S W D N I Y D M V V P F P N K P N L D V T N T M V Q K H M F R V A E E
UniRef90_E6ZGR9 Y G M M I P F P D K P N M D V T D E M I R Q Y N A T H M F R V A E E
UniRef90_H3D5P0 P I P A H G N M W A Q T W S G I M D L V I P Y P D A T Q M F Q E S D R F F T S L
UniRef90_W1YWF4 E K Y G T D Y D V V A P E N A D P G Y D V T E L L A K N N Y D E L K M V K G A E
UniRef90_Q74Z01 I Y T T L F R L K F V E I T D E C E K S V W H E D V K Q F A V W N I D D E D
UniRef90_W9XFD6 I F E Q I F G L V F V E I V G E D R D T V S P S K G E D I V W H E E V Q V F S V
UniRef90_UPI0002654A22 D M W G R F W T N I Y P H V V P Y P D L P N I D V S D E M V R Q N Y A R M A D E
UniRef90_UPI00032AF6EF N M W A Q S W V N I L D L V L P F P K K P P E D I T K V M K G Q H W K P V K M
UniRef90_T0K6P6 N M W A Q E W G N I Y D I V G A G D L G Y D I G D L L Q M V K A G E G F Y S S L
UniRef90_I9C942 N M W A Q E W G S I Y P L V A P A G L K D K G K T P L D M V K T G E G F Y S S L
lupas_21
lupas_14
lupas_28
jnet
conf 6 7 7 6 6 6 6 6 6 7 7 7 7 7 7 7 7 7 7 6 4 2 8 9 9 9 9 9 9 8 2 3 0 2 1 2 6 8
sol25 B B B B B B B B B B B B B B
sol5 B B B B B
sol0
jhmm
jpssm

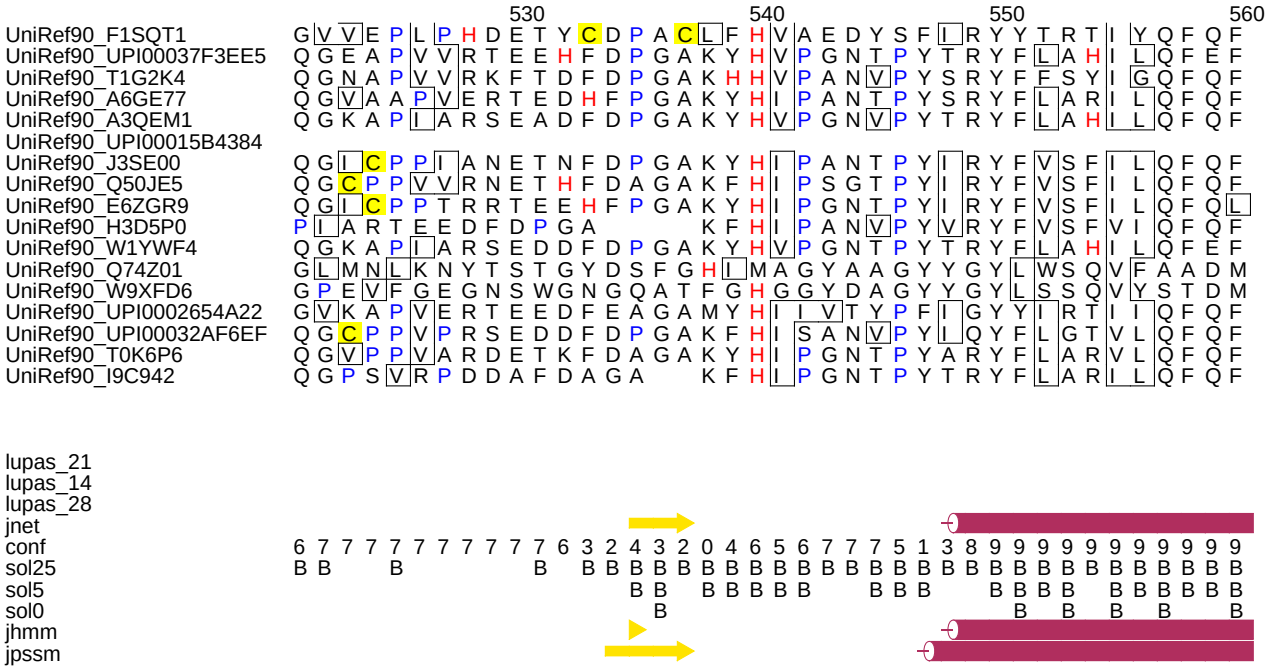


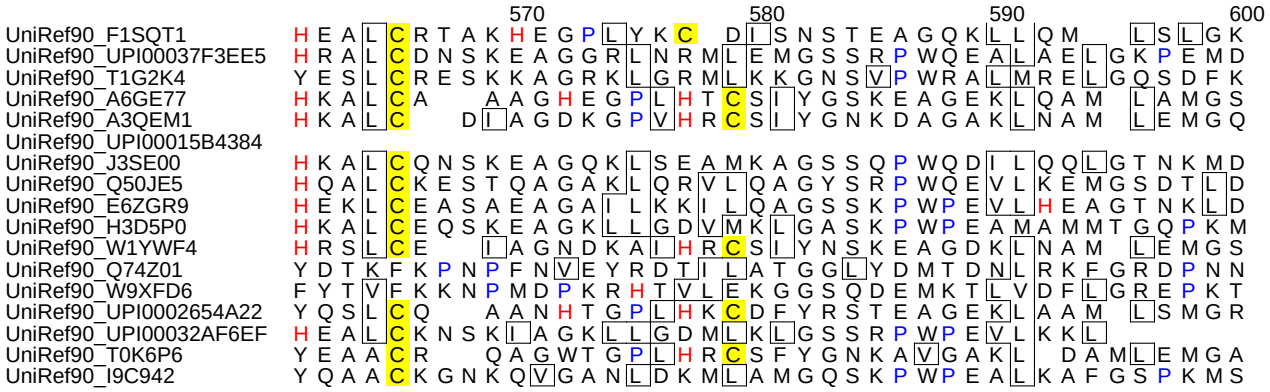
```
                                                  370                 380                 390                 400
UniRef90_F1SQT1          G L P N M T Q G F W N N S M L T E P G D G R K V V C H P W D L G K G D F R I K M
UniRef90_UPI00037F3EE5   G F A P L P D S F Y E R S L F T K P R D R E V Q H A S A W S L D S K D D R I K M
UniRef90_T1G2K4          F T S M F Q P M T A I F W K P A D P N V K M V C H A S A F D M V R K D D Y I K M
UniRef90_A6GE77          G L D P L P E T F W E R S L F L Q P     P D R D V Q C H A S A W D V D F R I K M
UniRef90_A3QEM1          G F D A L P E T F W S R S L F L Q P K D     R D V V C H A S A W D D D I R I K M
UniRef90_UPI00015B4384   R K D I E T W H P D V R F F E L Y D D T N
UniRef90_J3SE00          F F T S L G M F F W E K S M L E K P T D G R E V V C H A D F F N R K D F R I K Q
UniRef90_Q50JE5          F F T S M G P M P P E F W A E L E K P T D G R E V V C H A S A W D K D F R I K Q
UniRef90_E6ZGR9          F F E K M P D E F W E G S M L V K P E G R E V V H A S A W D F Y N R R D F I K Q
UniRef90_H3D5P0          G L E P M P Q E F W D K S M L E K P S D G R K V H A S A W D F Y N R K D F I K Q
UniRef90_W1YWF4          T F   F T S M G F E P L P E T F Y E R P K D R D V Q C H A S A W N I D S R I K M
UniRef90_Q74Z01          N P K F Q G W L         Y F D L H P R D G K Y G H A A N F G M V S A Y T I L V T
UniRef90_W9XFD6          W D D E G E G F V G Y L Y L D L F P R T G K Y G H A A N F N L Q P G     F V Q Q
UniRef90_UPI0002654A22   F F S P V N D A F W E N S M L E R P D D G R D V H A S A W D F Y N R V D F I K M
UniRef90_UPI00032AF6EF   F Q E A E K F F T S L G L L P V P K D F W K K S M A W D F Y   N G K D F R I K K
UniRef90_T0K6P6          G F A P L P Q S F W D R S Q I V K P R D R E V I H A S A W N L D N K N I R I K M
UniRef90_I9C942          G F D P L P G T F W A R S M I T K P A D     R E V I C H A S A W D I D I R I K M

lupas_21
lupas_14
lupas_28
jnet
conf                     9 9 9 9 9 9 8 7 4 4 8 8 1 2 2 1 0 3 4 7 7 7 7 6 6 6 5 4 5 6 7 7 7 7 6 1 4 7 7 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
sol5                     B       B     B           B   B                 B B B     B         B B B B B
sol0                                                                                           B
jhmm
jpssm
```

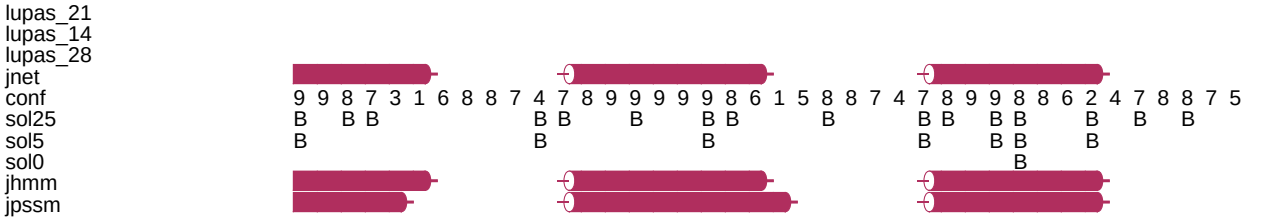

410
420
430
440
UniRef90_F1SQT1
UniRef90_UPI00037F3EE5
UniRef90_T1G2K4
UniRef90_A6GE77
UniRef90_A3QEM1
UniRef90_UPI00015B4384
UniRef90_J3SE00
UniRef90_Q50JE5
UniRef90_E6ZGR9
UniRef90_H3D5P0
UniRef90_W1YWF4
UniRef90_Q74Z01
UniRef90_W9XFD6
UniRef90_UPI0002654A22
UniRef90_UPI00032AF6EF
UniRef90_T0K6P6
UniRef90_I9C942
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm

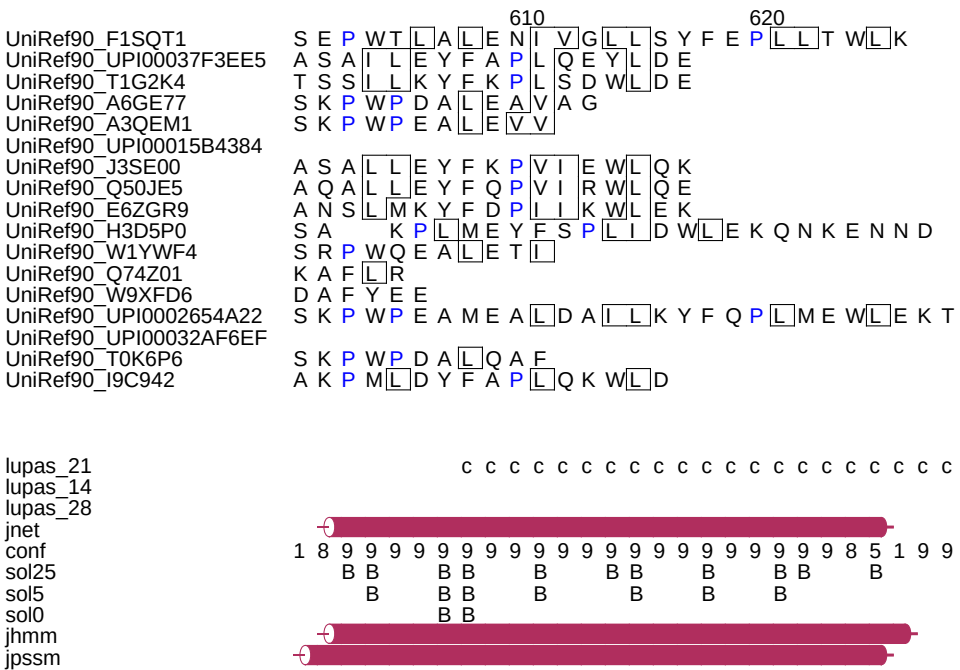

450
460
470
480
UniRef90_F1SQT1
UniRef90_UPI00037F3EE5
UniRef90_T1G2K4
UniRef90_A6GE77
UniRef90_A3QEM1
UniRef90_UPI00015B4384
UniRef90_J3SE00
UniRef90_Q50JE5
UniRef90_E6ZGR9
UniRef90_H3D5P0
UniRef90_W1YWF4
UniRef90_Q74Z01
UniRef90_W9XFD6
UniRef90_UPI0002654A22
UniRef90_UPI00032AF6EF
UniRef90_T0K6P6
UniRef90_I9C942
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


490
500
510
520
UniRef90_F1SQT1
UniRef90_UPI00037F3EE5
UniRef90_T1G2K4
UniRef90_A6GE77
UniRef90_A3QEM1
UniRef90_UPI00015B4384
UniRef90_J3SE00
UniRef90_Q50JE5
UniRef90_E6ZGR9
UniRef90_H3D5P0
UniRef90_W1YWF4
UniRef90_Q74Z01
UniRef90_W9XFD6
UniRef90_UPI0002654A22
UniRef90_UPI00032AF6EF
UniRef90_T0K6P6
UniRef90_I9C942
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


530
540
550
560
UniRef90_F1SQT1
UniRef90_UPI00037F3EE5
UniRef90_T1G2K4
UniRef90_A6GE77
UniRef90_A3QEM1
UniRef90_UPI00015B4384
UniRef90_J3SE00
UniRef90_Q50JE5
UniRef90_E6ZGR9
UniRef90_H3D5P0
UniRef90_W1YWF4
UniRef90_Q74Z01
UniRef90_W9XFD6
UniRef90_UPI0002654A22
UniRef90_UPI00032AF6EF
UniRef90_T0K6P6
UniRef90_I9C942
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


570
580
590
600
UniRef90_F1SQT1
UniRef90_UPI00037F3EE5
UniRef90_T1G2K4
UniRef90_A6GE77
UniRef90_A3QEM1
UniRef90_UPI00015B4384
UniRef90_J3SE00
UniRef90_Q50JE5
UniRef90_E6ZGR9
UniRef90_H3D5P0
UniRef90_W1YWF4
UniRef90_Q74Z01
UniRef90_W9XFD6
UniRef90_UPI0002654A22
UniRef90_UPI00032AF6EF
UniRef90_T0K6P6
UniRef90_I9C942


lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


610
620
UniRef90_F1SQT1 S E P W T L A L E N I V G L L S Y F E P L L T W L K
UniRef90_UPI00037F3EE5 A S A I L E Y F A P L Q E Y L D E
UniRef90_T1G2K4 T S S I L K Y F K P L S D W L D E
UniRef90_A6GE77 S K P W P D A L E A V A G
UniRef90_A3QEM1 S K P W P E A L E V V
UniRef90_UPI00015B4384
UniRef90_J3SE00 A S A L L E Y F K P V I E W L Q K
UniRef90_Q50JE5 A Q A L L E Y F Q P V I R W L Q E
UniRef90_E6ZGR9 A N S L M K Y F D P I I K W L E K
UniRef90_H3D5P0 S A K P L M E Y F S P L I D W L E K Q N K E N N D
UniRef90_W1YWF4 S R P W Q E A L E T I
UniRef90_Q74Z01 K A F L R
UniRef90_W9XFD6 D A F Y E E
UniRef90_UPI0002654A22 S K P W P E A M E A L D A I L K Y F Q P L M E W L E K T
UniRef90_UPI00032AF6EF
UniRef90_T0K6P6 S K P W P D A L Q A F
UniRef90_I9C942 A K P M L D Y F A P L Q K W L D
lupas_21 c c c c c c c c c c c c c c c c c c c c c
lupas_14
lupas_28
jnet
conf 1 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 8 5 1 9 9
sol25 B B B B B B B B B
sol5 B B B B B B B
sol0 B B
jhmm
jpssm