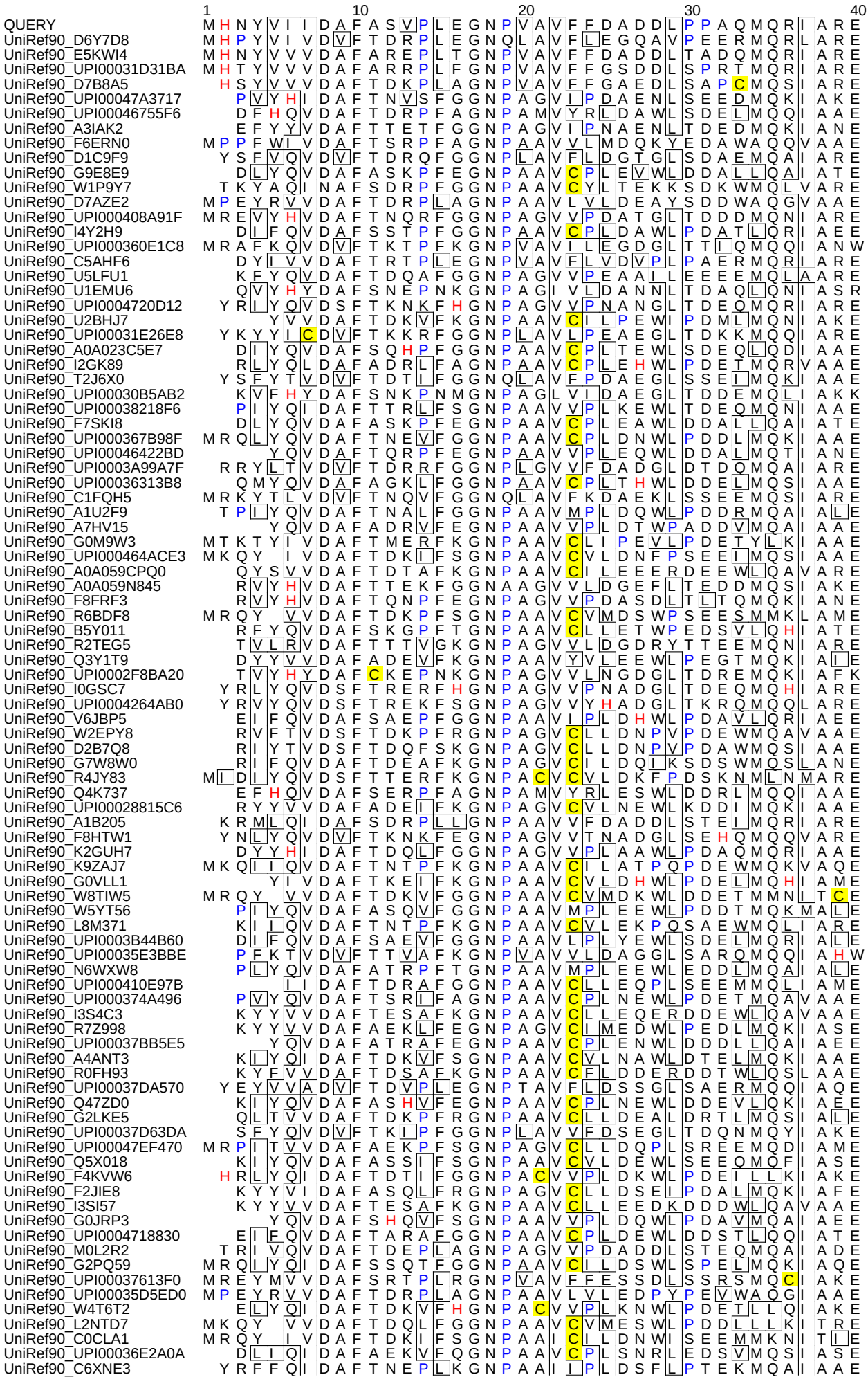
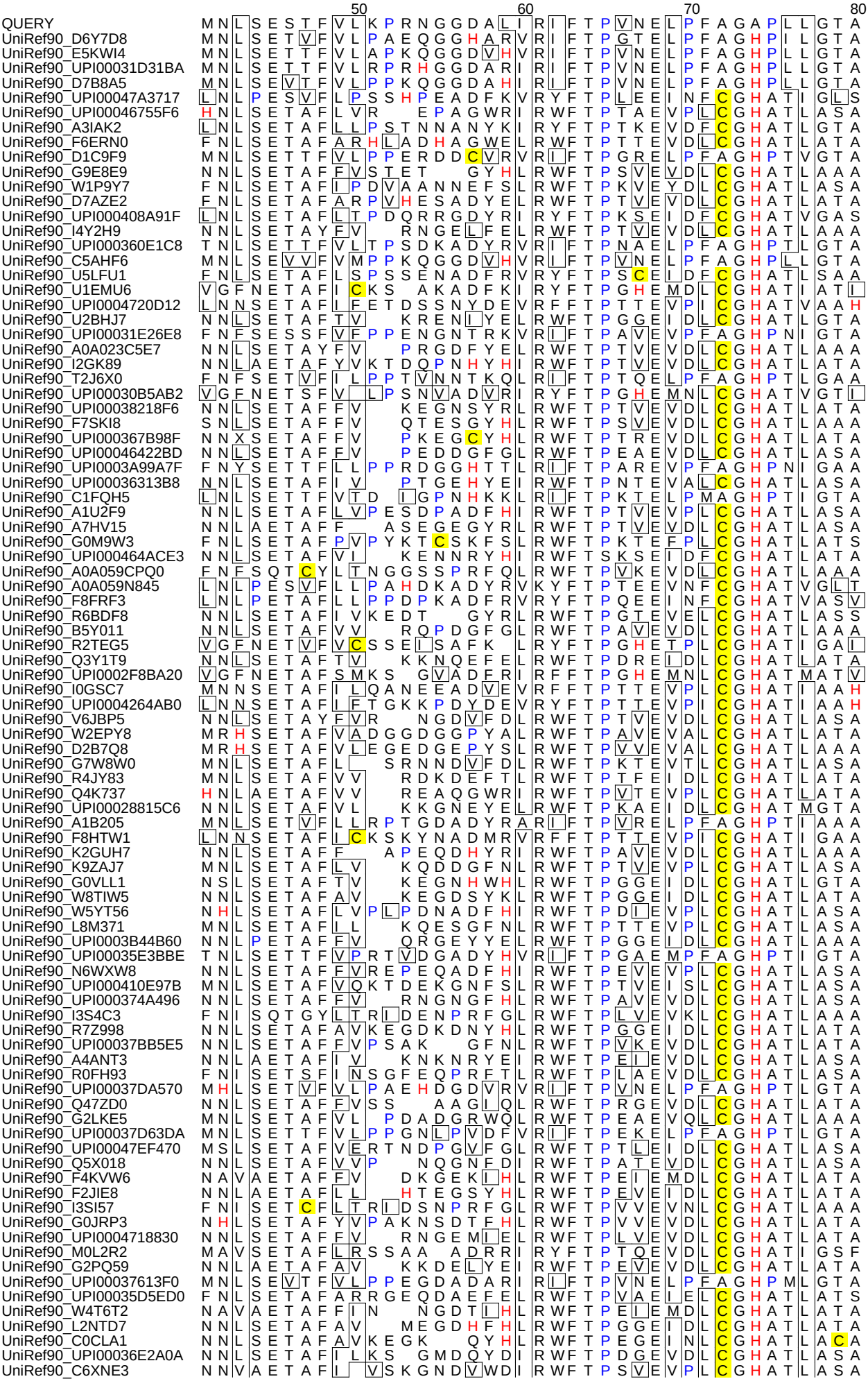
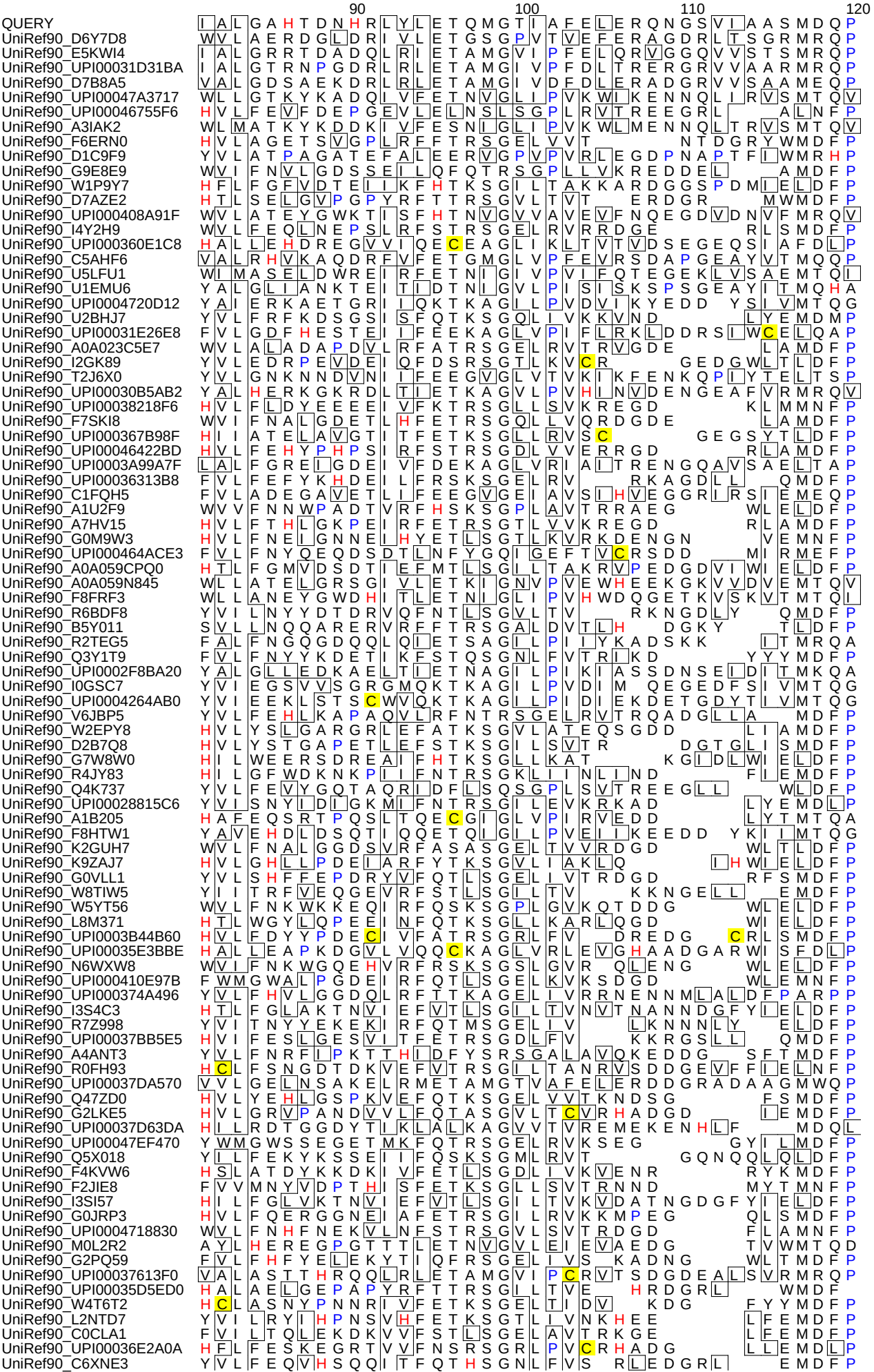
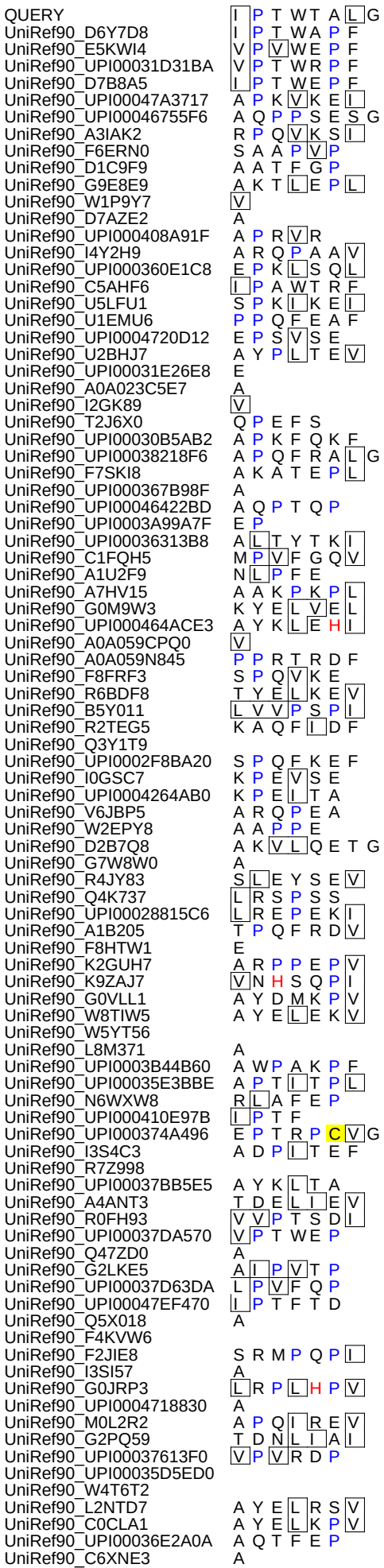
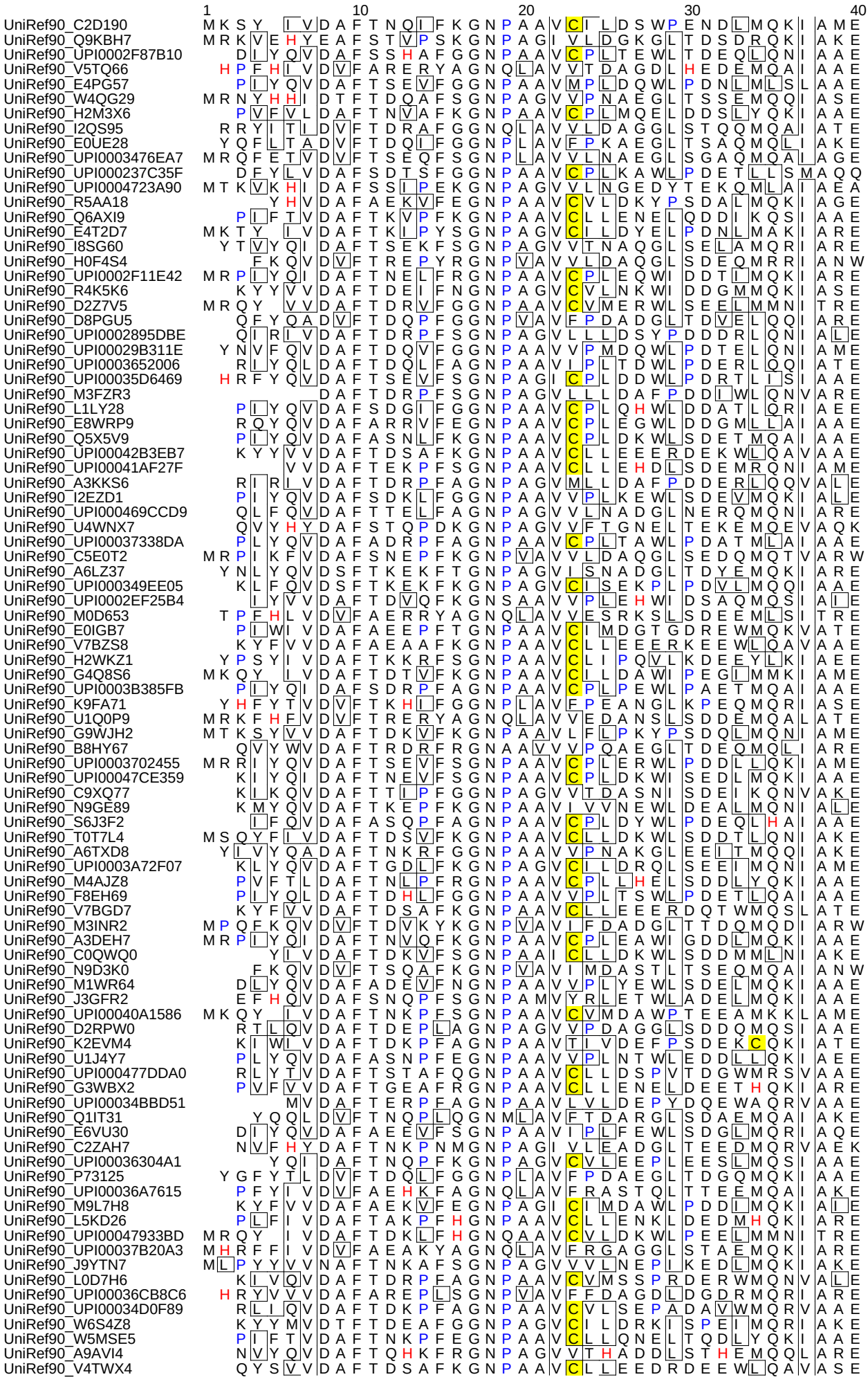
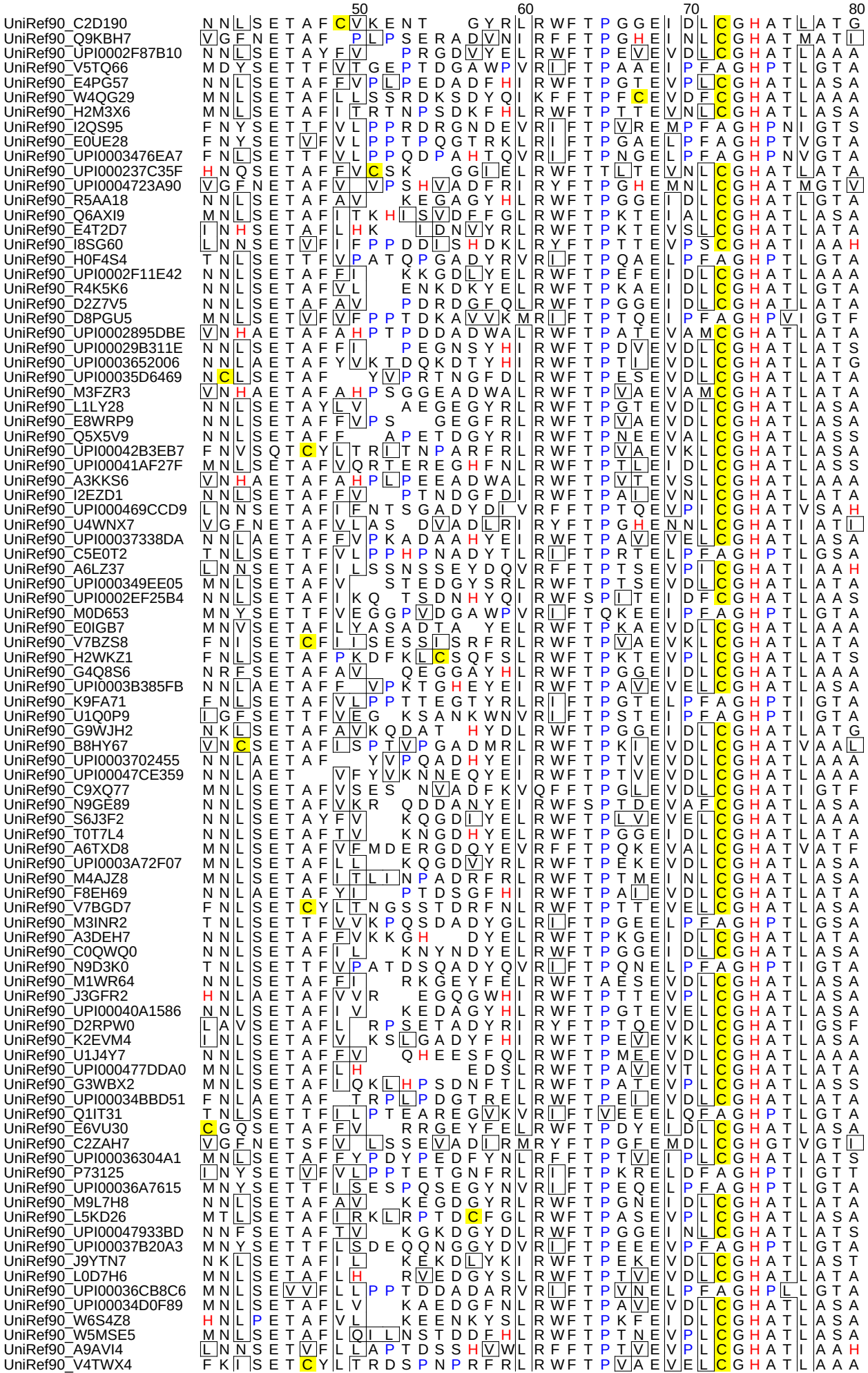

1
10
20
30
40
QUERY
UniRef90_D6Y7D8
UniRef90_E5KWI4
UniRef90_UPI00031D31BA
UniRef90_D7B8A5
UniRef90_UPI00047A3717
UniRef90_UPI00046755F6
UniRef90_A3IAK2
UniRef90_F6ERN0
UniRef90_D1C9F9
UniRef90_G9E8E9
UniRef90_W1P9Y7
UniRef90_D7AZE2
UniRef90_UPI000408A91F
UniRef90_I4Y2H9
UniRef90_UPI000360E1C8
UniRef90_C5AHF6
UniRef90_U5LFU1
UniRef90_U1EMU6
UniRef90_UPI0004720D12
UniRef90_U2BHJ7
UniRef90_UPI00031E26E8
UniRef90_A0A023C5E7
UniRef90_I2GK89
UniRef90_T2J6X0
UniRef90_UPI00030B5AB2
UniRef90_UPI00038218F6
UniRef90_F7SKI8
UniRef90_UPI000367B98F
UniRef90_UPI00046422BD
UniRef90_UPI0003A99A7F
UniRef90_UPI000036313B8
UniRef90_C1FQH5
UniRef90_A1U2F9
UniRef90_A7HV15
UniRef90_G0M9W3
UniRef90_UPI000464ACE3
UniRef90_A0A059CPQ0
UniRef90_A0A059N845
UniRef90_F8FRF3
UniRef90_R6BDF8
UniRef90_B5Y011
UniRef90_R2TEG5
UniRef90_Q3Y1T9
UniRef90_UPI0002F8BA20
UniRef90_I0GSC7
UniRef90_UPI0004264AB0
UniRef90_V6JBP5
UniRef90_W2EPY8
UniRef90_D2B7Q8
UniRef90_G7W8W0
UniRef90_R4JY83
UniRef90_Q4K737
UniRef90_UPI00028815C6
UniRef90_A1B205
UniRef90_F8HTW1
UniRef90_K2GUH7
UniRef90_K9ZAJ7
UniRef90_G0VLL1
UniRef90_W8TIW5
UniRef90_W5YT56
UniRef90_L8M371
UniRef90_UPI0003B44B60
UniRef90_UPI00035E3BBE
UniRef90_N6WXW8
UniRef90_UPI000410E97B
UniRef90_UPI000374A496
UniRef90_I3S4C3
UniRef90_R7Z998
UniRef90_UPI00037BB5E5
UniRef90_A4ANT3
UniRef90_R0FH93
UniRef90_UPI00037DA570
UniRef90_Q47ZD0
UniRef90_G2LKE5
UniRef90_UPI00037D63DA
UniRef90_UPI00047EF470
UniRef90_Q5X018
UniRef90_F4KVW6
UniRef90_F2JIE8
UniRef90_I3SI57
UniRef90_G0JRP3
UniRef90_UPI0004718830
UniRef90_M0L2R2
UniRef90_G2PQ59
UniRef90_UPI00037613F0
UniRef90_UPI00035D5ED0
UniRef90_W4T6T2
UniRef90_L2NTD7
UniRef90_C0CLA1
UniRef90_UPI00036E2A0A
UniRef90_C6XNE3

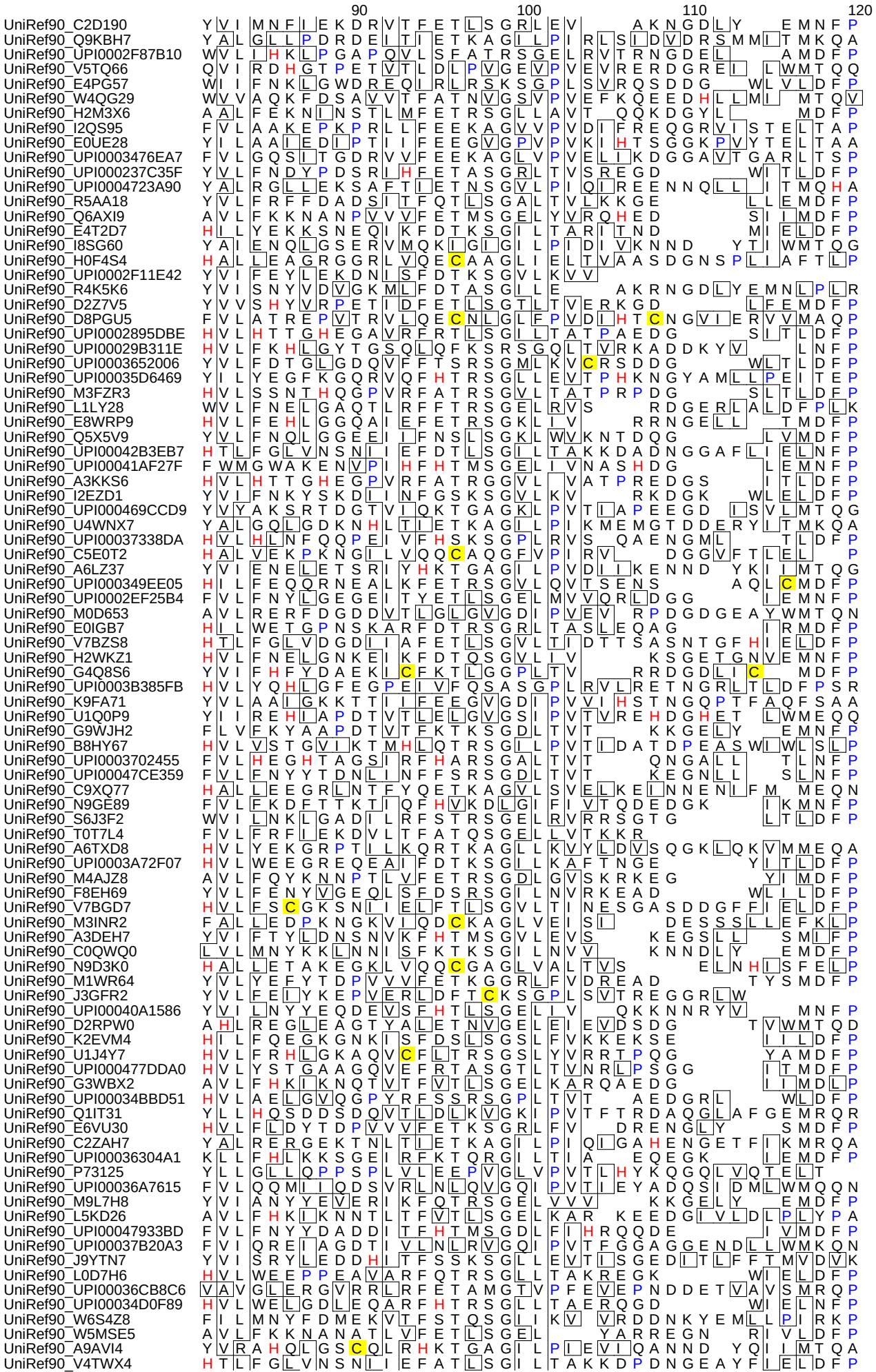

50
60
70
80
QUERY
UniRef90_D6Y7D8
UniRef90_E5KWI4
UniRef90_UPI00031D31BA
UniRef90_D7B8A5
UniRef90_UPI00047A3717
UniRef90_UPI00046755F6
UniRef90_A3IAK2
UniRef90_F6ERN0
UniRef90_D1C9F9
UniRef90_G9E8E9
UniRef90_W1P9Y7
UniRef90_D7AZE2
UniRef90_UPI000408A91F
UniRef90_I4Y2H9
UniRef90_UPI000360E1C8
UniRef90_C5AHF6
UniRef90_U5LFU1
UniRef90_U1EMU6
UniRef90_UPI0004720D12
UniRef90_U2BHJ7
UniRef90_UPI00031E26E8
UniRef90_A0A023C5E7
UniRef90_I2GK89
UniRef90_T2J6X0
UniRef90_UPI00030B5AB2
UniRef90_UPI00038218F6
UniRef90_F7SKI8
UniRef90_UPI000367B98F
UniRef90_UPI00046422BD
UniRef90_UPI0003A99A7F
UniRef90_UPI00036313B8
UniRef90_C1FQH5
UniRef90_A1U2F9
UniRef90_A7HV15
UniRef90_G0M9W3
UniRef90_UPI000464ACE3
UniRef90_A0A059CPQ0
UniRef90_A0A059N845
UniRef90_F8FRF3
UniRef90_R6BDF8
UniRef90_B5Y011
UniRef90_R2TEG5
UniRef90_Q3Y1T9
UniRef90_UPI0002F8BA20
UniRef90_I0GSC7
UniRef90_UPI0004264AB0
UniRef90_V6JBP5
UniRef90_W2EPY8
UniRef90_D2B7Q8
UniRef90_G7W8W0
UniRef90_R4JY83
UniRef90_Q4K737
UniRef90_UPI00028815C6
UniRef90_A1B205
UniRef90_F8HTW1
UniRef90_K2GUH7
UniRef90_K9ZAJ7
UniRef90_G0VLL1
UniRef90_W8TIW5
UniRef90_W5YT56
UniRef90_L8M371
UniRef90_UPI0003B44B60
UniRef90_UPI00035E3BBE
UniRef90_N6WXW8
UniRef90_UPI000410E97B
UniRef90_UPI000374A496
UniRef90_I3S4C3
UniRef90_R7Z998
UniRef90_UPI00037BB5E5
UniRef90_A4ANT3
UniRef90_R0FH93
UniRef90_UPI00037DA570
UniRef90_Q47ZD0
UniRef90_G2LKE5
UniRef90_UPI00037D63DA
UniRef90_UPI00047EF470
UniRef90_Q5X018
UniRef90_F4KVW6
UniRef90_F2JIE8
UniRef90_I3SI57
UniRef90_G0JRP3
UniRef90_UPI0004718830
UniRef90_M0L2R2
UniRef90_G2PQ59
UniRef90_UPI00037613F0
UniRef90_UPI00035D5ED0
UniRef90_W4T6T2
UniRef90_L2NTD7
UniRef90_C0CLA1
UniRef90_UPI00036E2A0A
UniRef90_C6XNE3


90
100
110
120
QUERY
UniRef90_D6Y7D8
UniRef90_E5KWI4
UniRef90_UPI00031D31BA
UniRef90_D7B8A5
UniRef90_UPI00047A3717
UniRef90_UPI00046755F6
UniRef90_A3IAK2
UniRef90_F6ERN0
UniRef90_D1C9F9
UniRef90_G9E8E9
UniRef90_W1P9Y7
UniRef90_D7AZE2
UniRef90_UPI000408A91F
UniRef90_I4Y2H9
UniRef90_UPI000360E1C8
UniRef90_C5AHF6
UniRef90_U5LFU1
UniRef90_U1EMU6
UniRef90_UPI0004720D12
UniRef90_U2BHJ7
UniRef90_UPI00031E26E8
UniRef90_A0A023C5E7
UniRef90_I2GK89
UniRef90_T2J6X0
UniRef90_UPI00030B5AB2
UniRef90_UPI00038218F6
UniRef90_F7SKI8
UniRef90_UPI000367B98F
UniRef90_UPI00046422BD
UniRef90_UPI0003A99A7F
UniRef90_UPI00036313B8
UniRef90_C1FQH5
UniRef90_A1U2F9
UniRef90_A7HV15
UniRef90_G0M9W3
UniRef90_UPI000464ACE3
UniRef90_A0A059CPQ0
UniRef90_A0A059N845
UniRef90_F8FRF3
UniRef90_R6BDF8
UniRef90_B5Y011
UniRef90_R2TEG5
UniRef90_Q3Y1T9
UniRef90_UPI0002F8BA20
UniRef90_I0GSC7
UniRef90_UPI0004264AB0
UniRef90_V6JBP5
UniRef90_W2EPY8
UniRef90_D2B7Q8
UniRef90_G7W8W0
UniRef90_R4JY83
UniRef90_Q4K737
UniRef90_UPI00028815C6
UniRef90_A1B205
UniRef90_F8HTW1
UniRef90_K2GUH7
UniRef90_K9ZAJ7
UniRef90_G0VLL1
UniRef90_W8TIW5
UniRef90_W5YT56
UniRef90_L8M371
UniRef90_UPI0003B44B60
UniRef90_UPI00035E3BBE
UniRef90_N6WXW8
UniRef90_UPI000410E97B
UniRef90_UPI000374A496
UniRef90_I3S4C3
UniRef90_R7Z998
UniRef90_UPI00037BB5E5
UniRef90_A4ANT3
UniRef90_R0FH93
UniRef90_UPI00037DA570
UniRef90_Q47ZD0
UniRef90_G2LKE5
UniRef90_UPI00037D63DA
UniRef90_UPI00047EF470
UniRef90_Q5X018
UniRef90_F4KVW6
UniRef90_F2JIE8
UniRef90_I3SI57
UniRef90_G0JRP3
UniRef90_UPI0004718830
UniRef90_M0L2R2
UniRef90_G2PQ59
UniRef90_UPI00037613F0
UniRef90_UPI00035D5ED0
UniRef90_W4T6T2
UniRef90_L2NTD7
UniRef90_C0CLA1
UniRef90_UPI00036E2A0A
UniRef90_C6XNE3

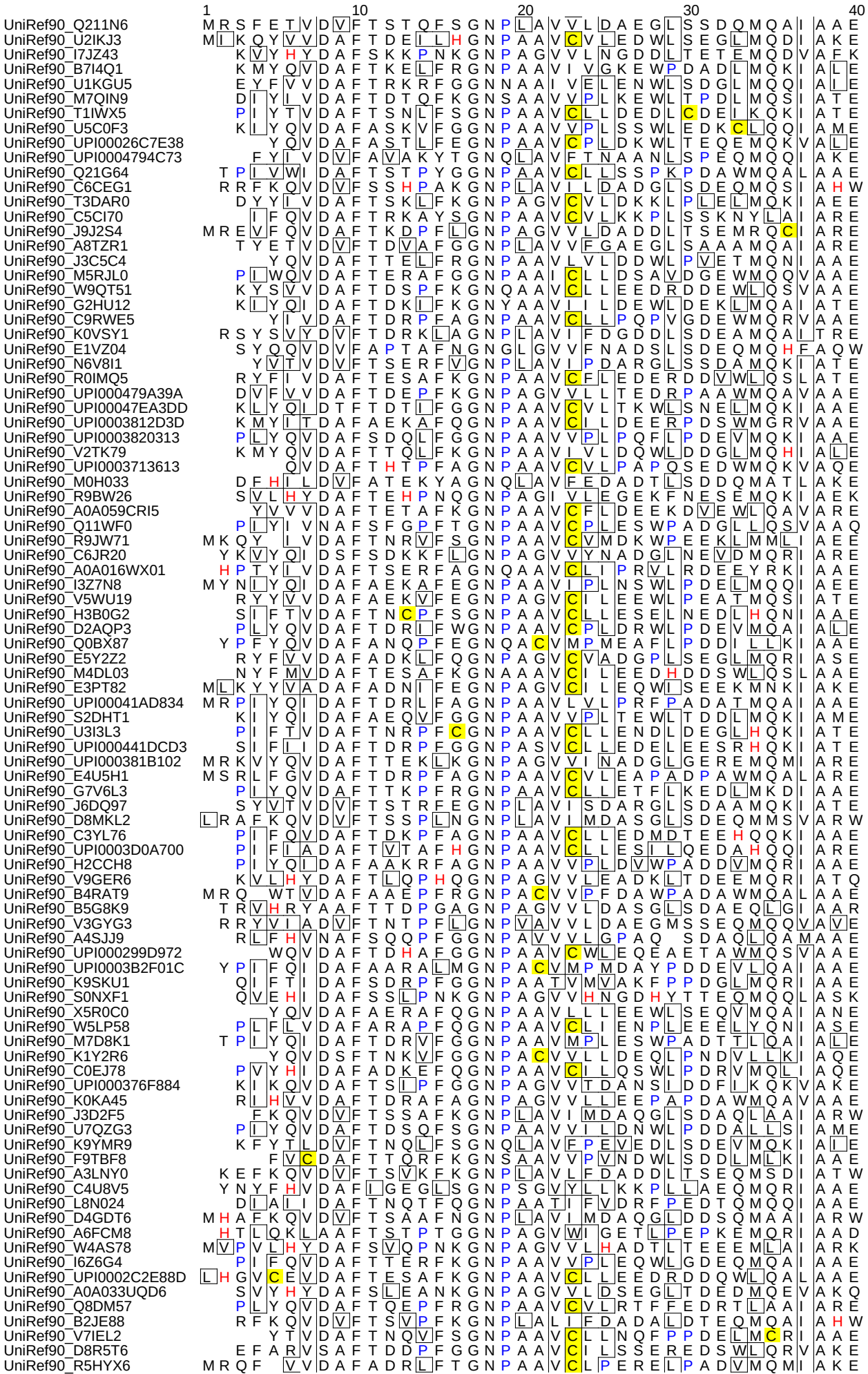

QUERY I P T W T A L G
UniRef90_D6Y7D8 I P T W A P F
UniRef90_E5KWI4 V P V W E P F
UniRef90_UPI00031D31BA V P T W R P F
UniRef90_D7B8A5 I P T W E P F
UniRef90_UPI00047A3717 A P K V K E I
UniRef90_UPI00046755F6 A Q P P S E S G
UniRef90_A3IAK2 R P Q V K S I
UniRef90_F6ERN0 S A A P V P
UniRef90_D1C9F9 A A T F G P
UniRef90_G9E8E9 A K T L E P L
UniRef90_W1P9Y7 V
UniRef90_D7AZE2 A
UniRef90_UPI000408A91F A P R V R
UniRef90_I4Y2H9 A R Q P A A V
UniRef90_UPI000360E1C8 E P K L S Q L
UniRef90_C5AHF6 I P A W T R F
UniRef90_U5LFU1 S P K I K E I
UniRef90_U1EMU6 P P Q F E A F
UniRef90_UPI0004720D12 E P S V S E
UniRef90_U2BHJ7 A Y P L T E V
UniRef90_UPI00031E26E8 E
UniRef90_A0A023C5E7 A
UniRef90_I2GK89 V
UniRef90_T2J6X0 Q P E F S
UniRef90_UPI00030B5AB2 A P K F Q K F
UniRef90_UPI00038218F6 A P Q F R A L G
UniRef90_F7SKI8 A K A T E P L
UniRef90_UPI000367B98F A
UniRef90_UPI00046422BD A Q P T Q P
UniRef90_UPI0003A99A7F E P
UniRef90_UPI00036313B8 A L T Y T K I
UniRef90_C1FQH5 M P V F G Q V
UniRef90_A1U2F9 N L P F E
UniRef90_A7HV15 A A K P K P L
UniRef90_G0M9W3 K Y E L V E L
UniRef90_UPI000464ACE3 A Y K L E H I
UniRef90_A0A059CPQ0 V
UniRef90_A0A059N845 P P R T R D F
UniRef90_F8FRF3 S P Q V K E
UniRef90_R6BDF8 T Y E L K E V
UniRef90_B5Y011 L V V P S P I
UniRef90_R2TEG5 K A Q F I D F
UniRef90_Q3Y1T9
UniRef90_UPI0002F8BA20 S P Q F K E F
UniRef90_I0GSC7 K P E V S E
UniRef90_UPI0004264AB0 K P E I T A
UniRef90_V6JBP5 A R Q P E A
UniRef90_W2EPY8 A A P P E
UniRef90_D2B7Q8 A K V L Q E T G
UniRef90_G7W8W0 A
UniRef90_R4JY83 S L E Y S E V
UniRef90_Q4K737 L R S P S S
UniRef90_UPI00028815C6 L R E P E K I
UniRef90_A1B205 T P Q F R D V
UniRef90_F8HTW1 E
UniRef90_K2GUH7 A R P P E P V
UniRef90_K9ZAJ7 V N H S Q P I
UniRef90_G0VLL1 A Y D M K P V
UniRef90_W8TIW5 A Y E L E K V
UniRef90_W5YT56
UniRef90_L8M371 A
UniRef90_UPI0003B44B60 A W P A K P F
UniRef90_UPI00035E3BBE A P T I T P L
UniRef90_N6WXW8 R L A F E P
UniRef90_UPI000410E97B I P T F
UniRef90_UPI000374A496 E P T R P C V G
UniRef90_I3S4C3 A D P I T E F
UniRef90_R7Z998
UniRef90_UPI00037BB5E5 A Y K L T A
UniRef90_A4ANT3 T D E L I E V
UniRef90_R0FH93 V V P T S D I
UniRef90_UPI00037DA570 V P T W E P
UniRef90_Q47ZD0 A
UniRef90_G2LKE5 A I P V T P
UniRef90_UPI00037D63DA L P V F Q P
UniRef90_UPI00047EF470 I P T F T D
UniRef90_Q5X018 A
UniRef90_F4KVW6
UniRef90_F2JIE8 S R M P Q P I
UniRef90_I3SI57 A
UniRef90_G0JRP3 L R P L H P V
UniRef90_UPI0004718830 A
UniRef90_M0L2R2 A P Q I R E V
UniRef90_G2PQ59 T D N L I A I
UniRef90_UPI00037613F0 V P V R D P
UniRef90_UPI00035D5ED0
UniRef90_W4T6T2
UniRef90_L2NTD7 A Y E L R S V
UniRef90_C0CLA1 A Y E L K P V
UniRef90_UPI00036E2A0A A Q T F E P
UniRef90_C6XNE3 A

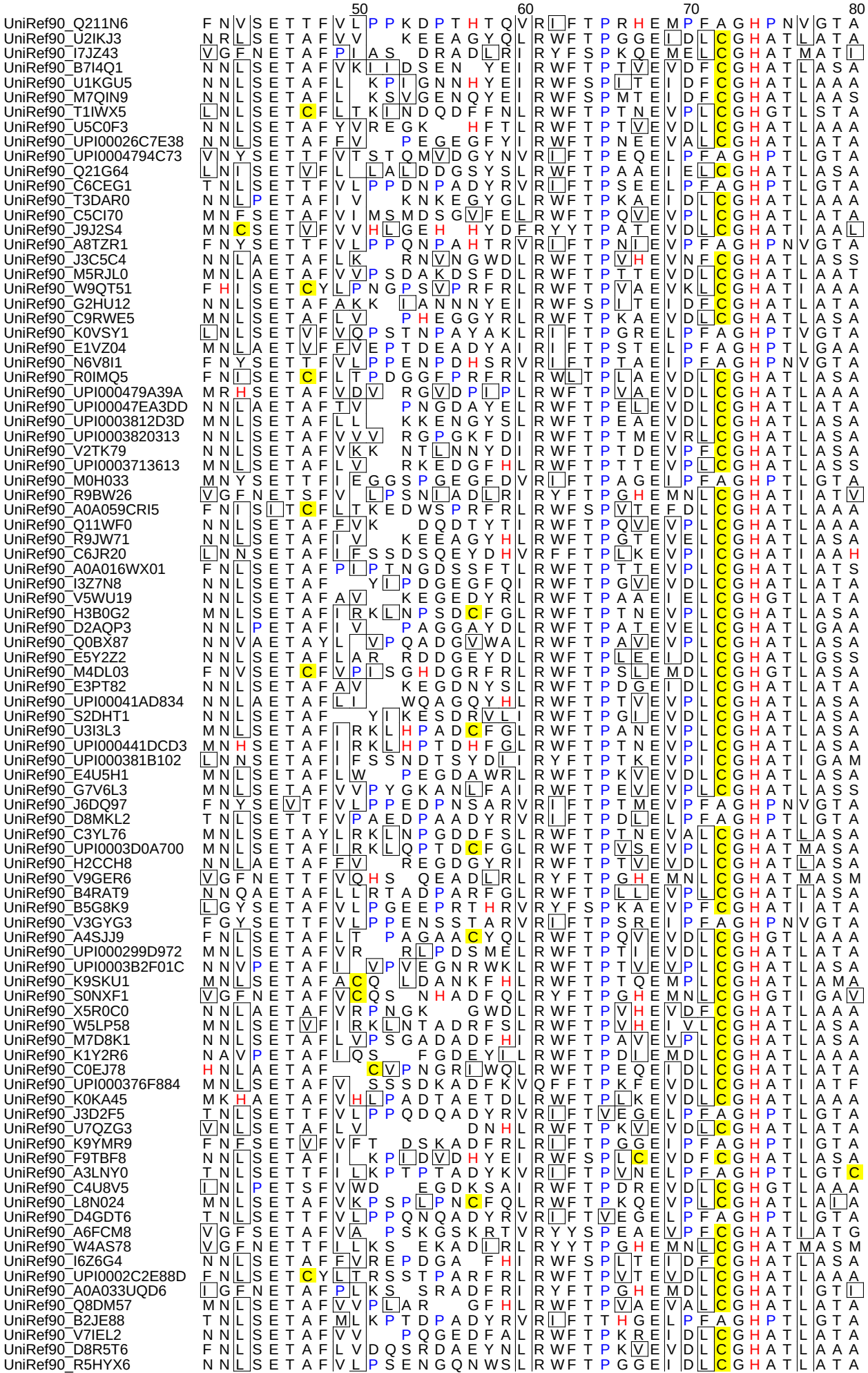

1
10
20
30
40
UniRef90_C2D190
UniRef90_Q9KBH7
UniRef90_UPI0002F87B10
UniRef90_V5TQ66
UniRef90_E4PG57
UniRef90_W4QG29
UniRef90_H2M3X6
UniRef90_I2QS95
UniRef90_E0UE28
UniRef90_UPI0003476EA7
UniRef90_UPI000237C35F
UniRef90_UPI0004723A90
UniRef90_R5AA18
UniRef90_Q6AXI9
UniRef90_E4T2D7
UniRef90_I8SG60
UniRef90_H0F4S4
UniRef90_UPI0002F11E42
UniRef90_R4K5K6
UniRef90_D2Z7V5
UniRef90_D8PGU5
UniRef90_UPI0002895DBE
UniRef90_UPI00029B311E
UniRef90_UPI0003652006
UniRef90_UPI00035D6469
UniRef90_M3FZR3
UniRef90_L1LY28
UniRef90_E8WRP9
UniRef90_Q5X5V9
UniRef90_UPI00042B3EB7
UniRef90_UPI00041AF27F
UniRef90_A3KKS6
UniRef90_I2EZD1
UniRef90_UPI000469CCD9
UniRef90_U4WNX7
UniRef90_UPI00037338DA
UniRef90_C5E0T2
UniRef90_A6LZ37
UniRef90_UPI000349EE05
UniRef90_UPI0002EF25B4
UniRef90_M0D653
UniRef90_E0IGB7
UniRef90_V7BZS8
UniRef90_H2WKZ1
UniRef90_G4Q8S6
UniRef90_UPI0003B385FB
UniRef90_K9FA71
UniRef90_U1Q0P9
UniRef90_G9WJH2
UniRef90_B8HY67
UniRef90_UPI0003702455
UniRef90_UPI00047CE359
UniRef90_C9XQ77
UniRef90_N9GE89
UniRef90_S6J3F2
UniRef90_T0T7L4
UniRef90_A6TXD8
UniRef90_UPI0003A72F07
UniRef90_M4AJZ8
UniRef90_F8EH69
UniRef90_V7BGD7
UniRef90_M3INR2
UniRef90_A3DEH7
UniRef90_C0QWQ0
UniRef90_N9D3K0
UniRef90_M1WR64
UniRef90_J3GFR2
UniRef90_UPI00040A1586
UniRef90_D2RPW0
UniRef90_K2EVM4
UniRef90_U1J4Y7
UniRef90_UPI000477DDA0
UniRef90_G3WBX2
UniRef90_UPI00034BBD51
UniRef90_Q1IT31
UniRef90_E6VU30
UniRef90_C2ZAH7
UniRef90_UPI00036304A1
UniRef90_P73125
UniRef90_UPI00036A7615
UniRef90_M9L7H8
UniRef90_L5KD26
UniRef90_UPI00047933BD
UniRef90_UPI00037B20A3
UniRef90_J9YTN7
UniRef90_L0D7H6
UniRef90_UPI00036CB8C6
UniRef90_UPI00034D0F89
UniRef90_W6S4Z8
UniRef90_W5MSE5
UniRef90_A9AVI4
UniRef90_V4TWX4

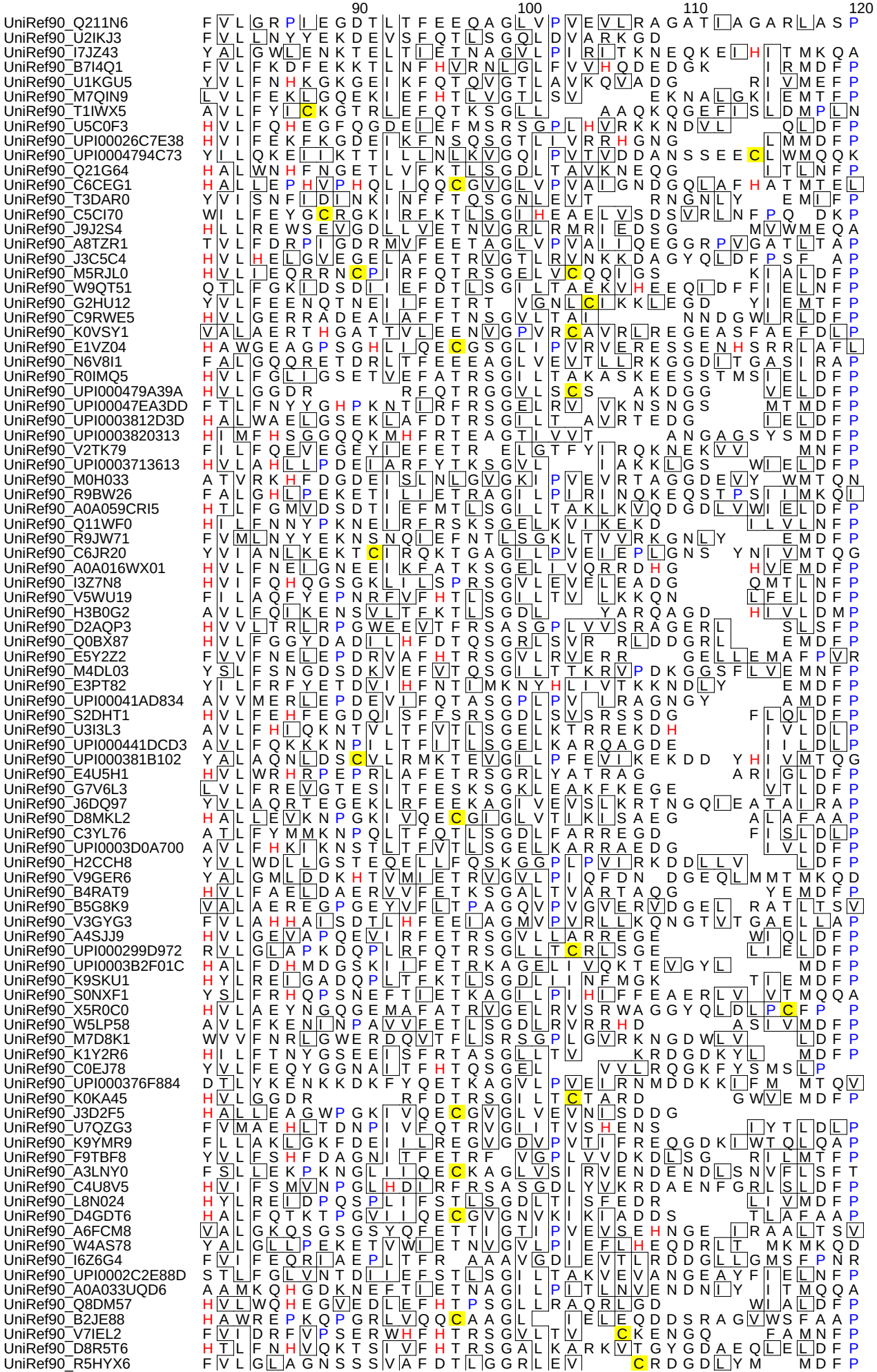

50
60
70
80
UniRef90_C2D190
UniRef90_Q9KBH7
UniRef90_UPI0002F87B10
UniRef90_V5TQ66
UniRef90_E4PG57
UniRef90_W4QG29
UniRef90_H2M3X6
UniRef90_I2QS95
UniRef90_E0UE28
UniRef90_UPI0003476EA7
UniRef90_UPI000237C35F
UniRef90_UPI0004723A90
UniRef90_R5AA18
UniRef90_Q6AXI9
UniRef90_E4T2D7
UniRef90_I8SG60
UniRef90_H0F4S4
UniRef90_UPI0002F11E42
UniRef90_R4K5K6
UniRef90_D2Z7V5
UniRef90_D8PGU5
UniRef90_UPI0002895DBE
UniRef90_UPI00029B311E
UniRef90_UPI0003652006
UniRef90_UPI00035D6469
UniRef90_M3FZR3
UniRef90_L1LY28
UniRef90_E8WRP9
UniRef90_Q5X5V9
UniRef90_UPI00042B3EB7
UniRef90_UPI00041AF27F
UniRef90_A3KKS6
UniRef90_I2EZD1
UniRef90_UPI000469CCD9
UniRef90_U4WNX7
UniRef90_UPI00037338DA
UniRef90_C5E0T2
UniRef90_A6LZ37
UniRef90_UPI000349EE05
UniRef90_UPI0002EF25B4
UniRef90_M0D653
UniRef90_E0IGB7
UniRef90_V7BZS8
UniRef90_H2WKZ1
UniRef90_G4Q8S6
UniRef90_UPI0003B385FB
UniRef90_K9FA71
UniRef90_U1Q0P9
UniRef90_G9WJH2
UniRef90_B8HY67
UniRef90_UPI0003702455
UniRef90_UPI00047CE359
UniRef90_C9XQ77
UniRef90_N9GE89
UniRef90_S6J3F2
UniRef90_T0T7L4
UniRef90_A6TXD8
UniRef90_UPI0003A72F07
UniRef90_M4AJZ8
UniRef90_F8EH69
UniRef90_V7BGD7
UniRef90_M3INR2
UniRef90_A3DEH7
UniRef90_C0QWQ0
UniRef90_N9D3K0
UniRef90_M1WR64
UniRef90_J3GFR2
UniRef90_UPI00040A1586
UniRef90_D2RPW0
UniRef90_K2EVM4
UniRef90_U1J4Y7
UniRef90_UPI000477DDA0
UniRef90_G3WBX2
UniRef90_UPI00034BBD51
UniRef90_Q1IT31
UniRef90_E6VU30
UniRef90_C2ZAH7
UniRef90_UPI00036304A1
UniRef90_P73125
UniRef90_UPI00036A7615
UniRef90_M9L7H8
UniRef90_L5KD26
UniRef90_UPI00047933BD
UniRef90_UPI00037B20A3
UniRef90_J9YTN7
UniRef90_L0D7H6
UniRef90_UPI00036CB8C6
UniRef90_UPI00034D0F89
UniRef90_W6S4Z8
UniRef90_W5MSE5
UniRef90_A9AVI4
UniRef90_V4TWX4

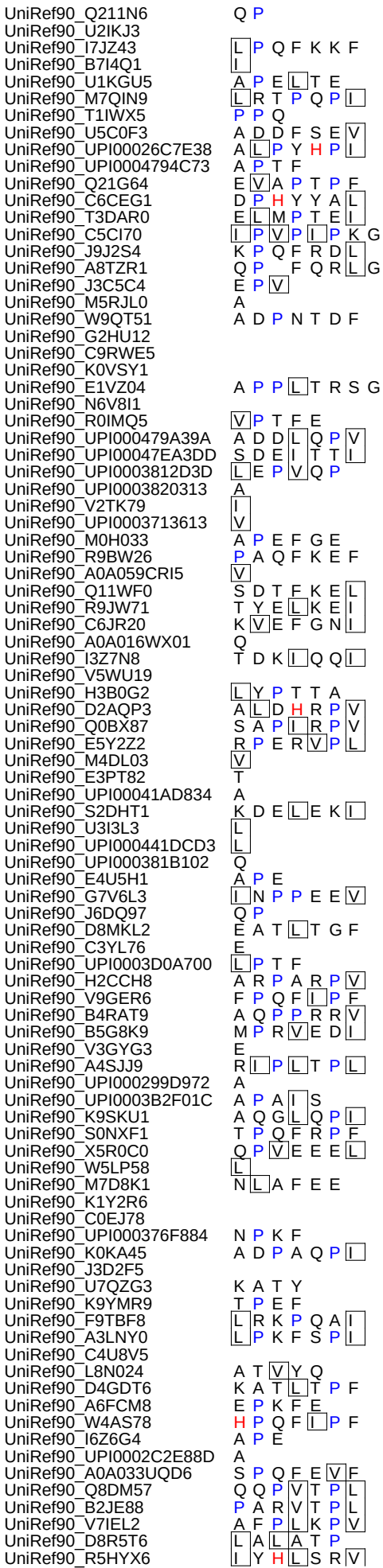

90
100
110
120
UniRef90_C2D190
UniRef90_Q9KBH7
UniRef90_UPI0002F87B10
UniRef90_V5TQ66
UniRef90_E4PG57
UniRef90_W4QG29
UniRef90_H2M3X6
UniRef90_I2QS95
UniRef90_E0UE28
UniRef90_UPI0003476EA7
UniRef90_UPI000237C35F
UniRef90_UPI0004723A90
UniRef90_R5AA18
UniRef90_Q6AXI9
UniRef90_E4T2D7
UniRef90_I8SG60
UniRef90_H0F4S4
UniRef90_UPI0002F11E42
UniRef90_R4K5K6
UniRef90_D2Z7V5
UniRef90_D8PGU5
UniRef90_UPI0002895DBE
UniRef90_UPI00029B311E
UniRef90_UPI0003652006
UniRef90_UPI00035D6469
UniRef90_M3FZR3
UniRef90_L1LY28
UniRef90_E8WRP9
UniRef90_Q5X5V9
UniRef90_UPI00042B3EB7
UniRef90_UPI00041AF27F
UniRef90_A3KKS6
UniRef90_I2EZD1
UniRef90_UPI000469CCD9
UniRef90_U4WNX7
UniRef90_UPI00037338DA
UniRef90_C5E0T2
UniRef90_A6LZ37
UniRef90_UPI000349EE05
UniRef90_UPI0002EF25B4
UniRef90_M0D653
UniRef90_E0IGB7
UniRef90_V7BZS8
UniRef90_H2WKZ1
UniRef90_G4Q8S6
UniRef90_UPI0003B385FB
UniRef90_K9FA71
UniRef90_U1Q0P9
UniRef90_G9WJH2
UniRef90_B8HY67
UniRef90_UPI0003702455
UniRef90_UPI00047CE359
UniRef90_C9XQ77
UniRef90_N9GE89
UniRef90_S6J3F2
UniRef90_T0T7L4
UniRef90_A6TXD8
UniRef90_UPI0003A72F07
UniRef90_M4AJZ8
UniRef90_F8EH69
UniRef90_V7BGD7
UniRef90_M3INR2
UniRef90_A3DEH7
UniRef90_C0QWQ0
UniRef90_N9D3K0
UniRef90_M1WR64
UniRef90_J3GFR2
UniRef90_UPI00040A1586
UniRef90_D2RPW0
UniRef90_K2EVM4
UniRef90_U1J4Y7
UniRef90_UPI000477DDA0
UniRef90_G3WBX2
UniRef90_UPI00034BBD51
UniRef90_Q1IT31
UniRef90_E6VU30
UniRef90_C2ZAH7
UniRef90_UPI00036304A1
UniRef90_P73125
UniRef90_UPI00036A7615
UniRef90_M9L7H8
UniRef90_L5KD26
UniRef90_UPI00047933BD
UniRef90_UPI00037B20A3
UniRef90_J9YTN7
UniRef90_L0D7H6
UniRef90_UPI00036CB8C6
UniRef90_UPI00034D0F89
UniRef90_W6S4Z8
UniRef90_W5MSE5
UniRef90_A9AVI4
UniRef90_V4TWX4

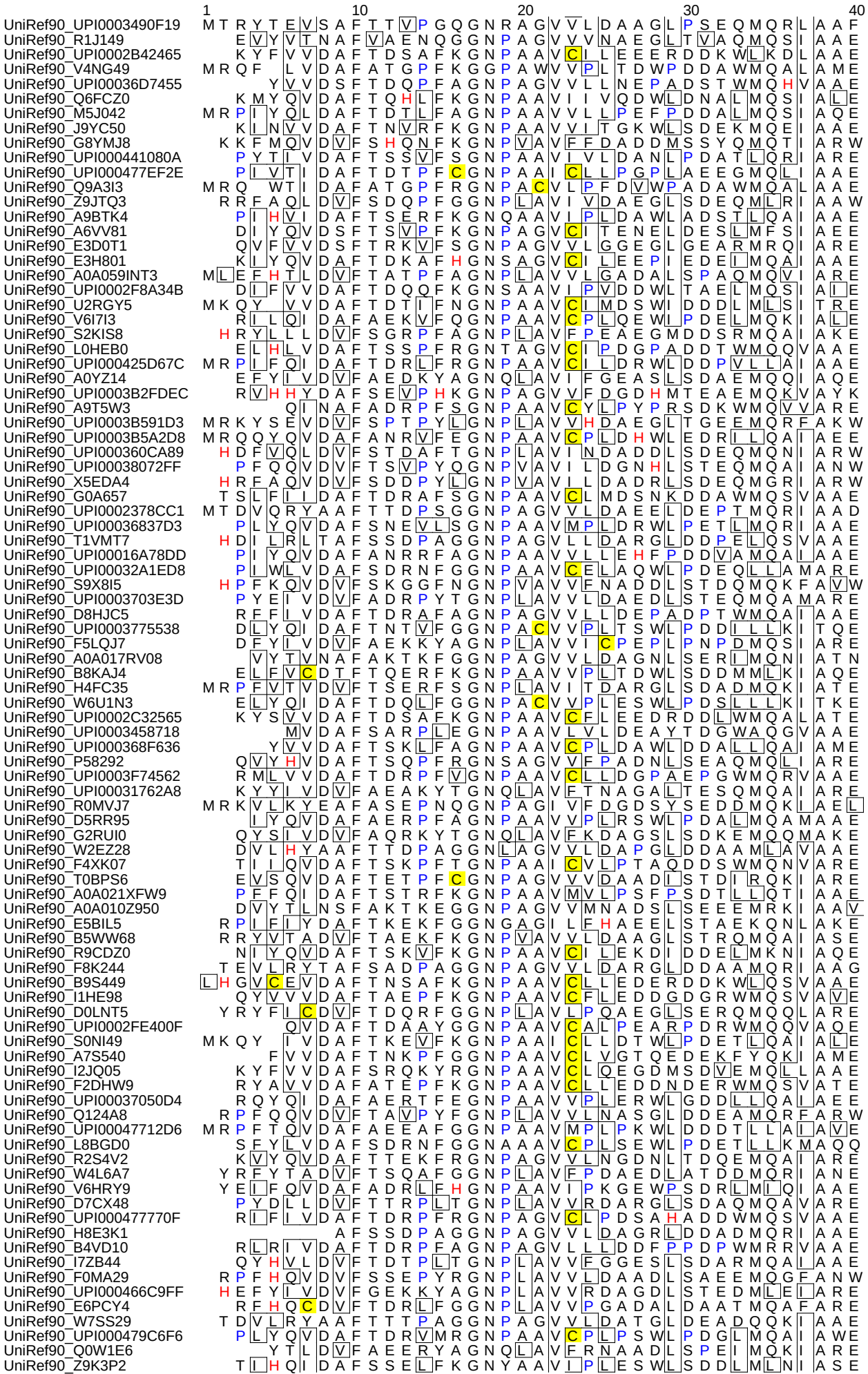
UniRef90_C2D190 S Y D L K P V
UniRef90_Q9KBH7 A P Q L R A F
UniRef90_UPI0002F87B10 A
UniRef90_V5TQ66 A P E F G E
UniRef90_E4PG57
UniRef90_W4QG29 E P K V K P V
UniRef90_H2M3X6 L
UniRef90_I2QS95 Q P
UniRef90_E0UE28 Q P E F G P L
UniRef90_UPI0003476EA7 Q
UniRef90_UPI000237C35F A S P T Q E L
UniRef90_UPI0004723A90 K P Q F Q S F G
UniRef90_R5AA18 A Y E L K Q I
UniRef90_Q6AXI9 L N T P Q P
UniRef90_E4T2D7 Q
UniRef90_I8SG60 S I E F S E
UniRef90_H0F4S4 D P A L T P L
UniRef90_UPI0002F11E42
UniRef90_R4K5K6 K P E
UniRef90_D2Z7V5 A Y D L K P V
UniRef90_D8PGU5 S P Q F L D V
UniRef90_UPI0002895DBE T A P L T E V
UniRef90_UPI00029B311E
UniRef90_UPI0003652006 A
UniRef90_UPI00035D6469 P P A L E A L G
UniRef90_M3FZR3 T A P L T P V
UniRef90_L1LY28 H P Q P A P L
UniRef90_E8WRP9 A S V P E P
UniRef90_Q5X5V9 V L P Y E E I
UniRef90_UPI00042B3EB7 T V P I T E F
UniRef90_UPI00041AF27F I P T V E D
UniRef90_A3KKS6 T A P L T P V
UniRef90_I2EZD1 V Q E T K P
UniRef90_UPI000469CCD9 K V E F G A I
UniRef90_U4WNX7 V P Q F E D F
UniRef90_UPI00037338DA A R P P Q P L
UniRef90_C5E0T2 D A K F K E I
UniRef90_A6LZ37 K I E F R E I
UniRef90_UPI000349EE05 L
UniRef90_UPI0002EF25B4 K Q P L Q S V
UniRef90_M0D653 A P E F G A
UniRef90_E0IGB7 A E P V S P I
UniRef90_V7BZS8 V D S F T D F
UniRef90_H2WKZ1 E Y D L T S I
UniRef90_G4Q8S6 S Y S L M P V
UniRef90_UPI0003B385FB P P Q L
UniRef90_K9FA71 Q P E F G P
UniRef90_U1Q0P9 P P E F G P
UniRef90_G9WJH2
UniRef90_B8HY67 P C Q F Q P L
UniRef90_UPI0003702455 A D H L T P V
UniRef90_UPI00047CE359 V D T L K P L
UniRef90_C9XQ77 T P E F E N L
UniRef90_N9GE89 I
UniRef90_S6J3F2 A K T P E
UniRef90_T0T7L4
UniRef90_A6TXD8 L P E I
UniRef90_UPI0003A72F07 L E V A E P V
UniRef90_M4AJZ8 L
UniRef90_F8EH69 V D T L
UniRef90_V7BGD7 A D T V A E F
UniRef90_M3INR2 Y A K S R P I
UniRef90_A3DEH7
UniRef90_C0QWQ0 S Y E L K K I
UniRef90_N9D3K0 Q P K I T P L
UniRef90_M1WR64 A
UniRef90_J3GFR2
UniRef90_UPI00040A1586 T I E L K E I
UniRef90_D2RPW0 E P R I R E V
UniRef90_K2EVM4 L
UniRef90_U1J4Y7 A
UniRef90_UPI000477DDA0 A K E V T P V
UniRef90_G3WBX2 L Y P T Q P
UniRef90_UPI00034BBD51 A
UniRef90_Q1IT31 D P E F G Q V
UniRef90_E6VU30 A W S V R P I
UniRef90_C2ZAH7 V P Q F K G F
UniRef90_UPI00036304A1 L D E L
UniRef90_P73125
UniRef90_UPI00036A7615 Q P T F G
UniRef90_M9L7H8
UniRef90_L5KD26 H P Q
UniRef90_UPI00047933BD A
UniRef90_UPI00037B20A3 Q P V F G E
UniRef90_J9YTN7 Q V P I T A M
UniRef90_L0D7H6 A R A I G P
UniRef90_UPI00036CB8C6 I P R W R R F
UniRef90_UPI00034D0F89 A Q P P E P
UniRef90_W6S4Z8 I
UniRef90_W5MSE5 I Y K P T
UniRef90_A9AVI4 A I E F G P I
UniRef90_V4TWX4 T V P T T D F

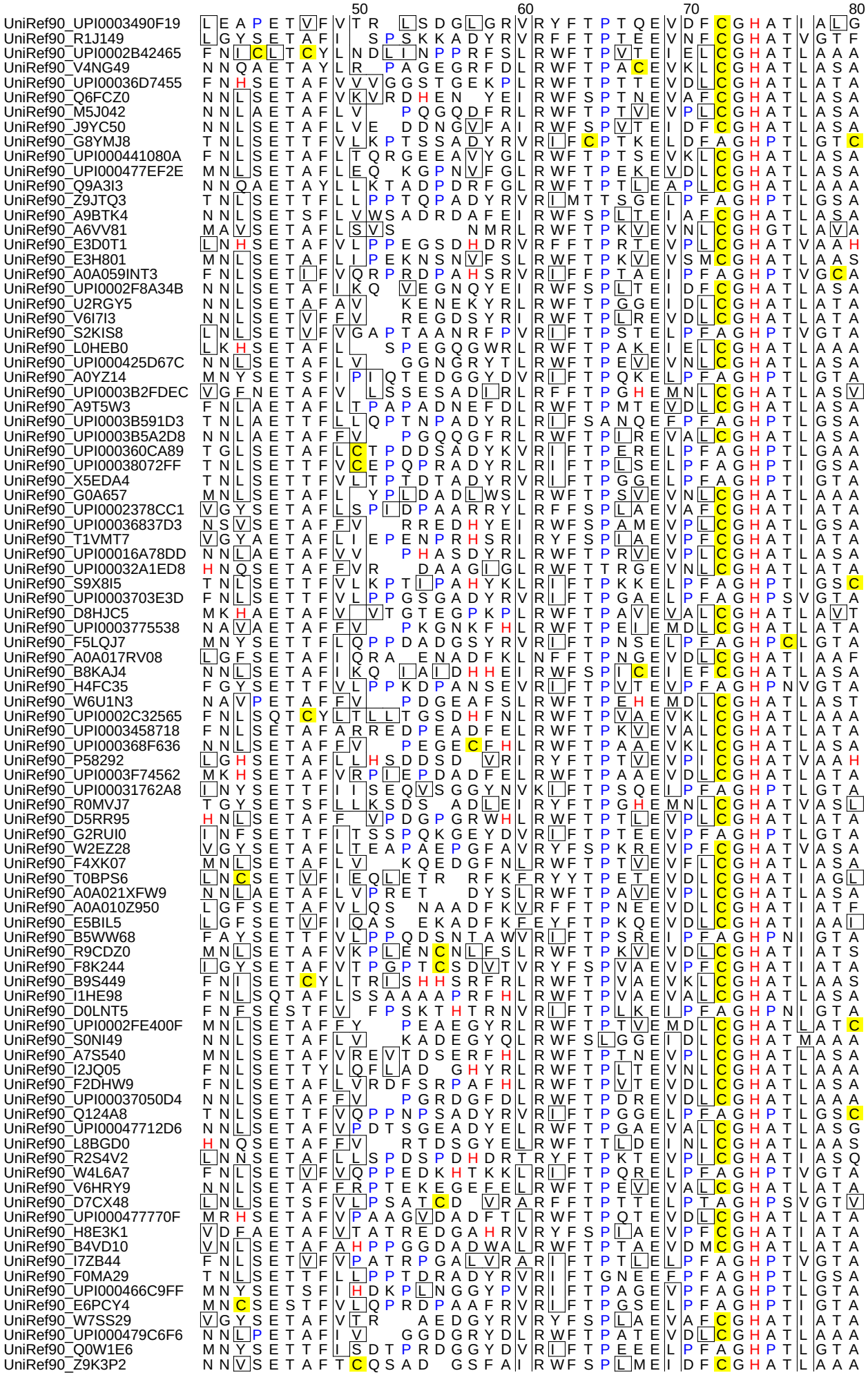

1
10
20
30
40
UniRef90_Q211N6
UniRef90_U2IKJ3
UniRef90_I7JZ43
UniRef90_B7I4Q1
UniRef90_U1KGU5
UniRef90_M7QIN9
UniRef90_T1IWX5
UniRef90_U5C0F3
UniRef90_UPI00026C7E38
UniRef90_UPI0004794C73
UniRef90_Q21G64
UniRef90_C6CEG1
UniRef90_T3DAR0
UniRef90_C5CI70
UniRef90_J9J2S4
UniRef90_A8TZR1
UniRef90_J3C5C4
UniRef90_M5RJL0
UniRef90_W9QT51
UniRef90_G2HU12
UniRef90_C9RWE5
UniRef90_K0VSY1
UniRef90_E1VZ04
UniRef90_N6V8I1
UniRef90_R0IMQ5
UniRef90_UPI000479A39A
UniRef90_UPI00047EA3DD
UniRef90_UPI0003812D3D
UniRef90_UPI0003820313
UniRef90_V2TK79
UniRef90_UPI0003713613
UniRef90_M0H033
UniRef90_R9BW26
UniRef90_A0A059CRI5
UniRef90_Q11WF0
UniRef90_R9JW71
UniRef90_C6JR20
UniRef90_A0A016WX01
UniRef90_I3Z7N8
UniRef90_V5WU19
UniRef90_H3B0G2
UniRef90_D2AQP3
UniRef90_Q0BX87
UniRef90_E5Y2Z2
UniRef90_M4DL03
UniRef90_E3PT82
UniRef90_UPI00041AD834
UniRef90_S2DHT1
UniRef90_U3I3L3
UniRef90_UPI000441DCD3
UniRef90_UPI000381B102
UniRef90_E4U5H1
UniRef90_G7V6L3
UniRef90_J6DQ97
UniRef90_D8MKL2
UniRef90_C3YL76
UniRef90_UPI0003D0A700
UniRef90_H2CCH8
UniRef90_V9GER6
UniRef90_B4RAT9
UniRef90_B5G8K9
UniRef90_V3GYG3
UniRef90_A4SJJ9
UniRef90_UPI000299D972
UniRef90_UPI0003B2F01C
UniRef90_K9SKU1
UniRef90_S0NXF1
UniRef90_X5R0C0
UniRef90_W5LP58
UniRef90_M7D8K1
UniRef90_K1Y2R6
UniRef90_C0EJ78
UniRef90_UPI000376F884
UniRef90_K0KA45
UniRef90_J3D2F5
UniRef90_U7QZG3
UniRef90_K9YMR9
UniRef90_F9TBF8
UniRef90_A3LNY0
UniRef90_C4U8V5
UniRef90_L8N024
UniRef90_D4GDT6
UniRef90_A6FCM8
UniRef90_W4AS78
UniRef90_I6Z6G4
UniRef90_UPI0002C2E88D
UniRef90_A0A033UQD6
UniRef90_Q8DM57
UniRef90_B2JE88
UniRef90_V7IEL2
UniRef90_D8R5T6
UniRef90_R5HYX6

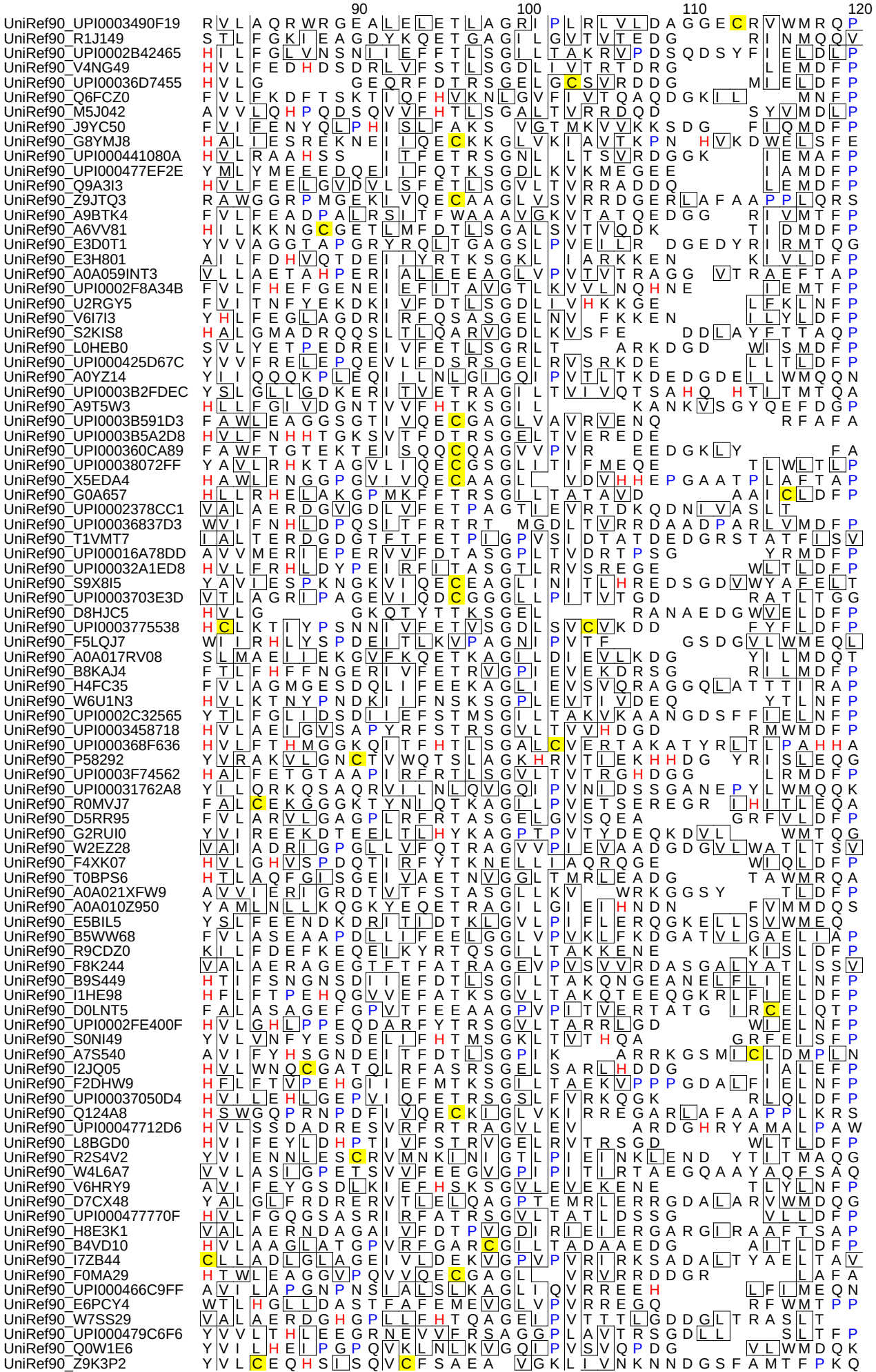

50
60
70
80
UniRef90_Q211N6
UniRef90_U2IKJ3
UniRef90_I7JZ43
UniRef90_B7I4Q1
UniRef90_U1KGU5
UniRef90_M7QIN9
UniRef90_T1IWX5
UniRef90_U5C0F3
UniRef90_UPI00026C7E38
UniRef90_UPI0004794C73
UniRef90_Q21G64
UniRef90_C6CEG1
UniRef90_T3DAR0
UniRef90_C5CI70
UniRef90_J9J2S4
UniRef90_A8TZR1
UniRef90_J3C5C4
UniRef90_M5RJL0
UniRef90_W9QT51
UniRef90_G2HU12
UniRef90_C9RWE5
UniRef90_K0VSY1
UniRef90_E1VZ04
UniRef90_N6V8I1
UniRef90_R0IMQ5
UniRef90_UPI000479A39A
UniRef90_UPI00047EA3DD
UniRef90_UPI0003812D3D
UniRef90_UPI0003820313
UniRef90_V2TK79
UniRef90_UPI0003713613
UniRef90_M0H033
UniRef90_R9BW26
UniRef90_A0A059CRI5
UniRef90_Q11WF0
UniRef90_R9JW71
UniRef90_C6JR20
UniRef90_A0A016WX01
UniRef90_I3Z7N8
UniRef90_V5WU19
UniRef90_H3B0G2
UniRef90_D2AQP3
UniRef90_Q0BX87
UniRef90_E5Y2Z2
UniRef90_M4DL03
UniRef90_E3PT82
UniRef90_UPI00041AD834
UniRef90_S2DHT1
UniRef90_U3I3L3
UniRef90_UPI000441DCD3
UniRef90_UPI000381B102
UniRef90_E4U5H1
UniRef90_G7V6L3
UniRef90_J6DQ97
UniRef90_D8MKL2
UniRef90_C3YL76
UniRef90_UPI0003D0A700
UniRef90_H2CCH8
UniRef90_V9GER6
UniRef90_B4RAT9
UniRef90_B5G8K9
UniRef90_V3GYG3
UniRef90_A4SJJ9
UniRef90_UPI000299D972
UniRef90_UPI0003B2F01C
UniRef90_K9SKU1
UniRef90_S0NXF1
UniRef90_X5R0C0
UniRef90_W5LP58
UniRef90_M7D8K1
UniRef90_K1Y2R6
UniRef90_C0EJ78
UniRef90_UPI000376F884
UniRef90_K0KA45
UniRef90_J3D2F5
UniRef90_U7QZG3
UniRef90_K9YMR9
UniRef90_F9TBF8
UniRef90_A3LNY0
UniRef90_C4U8V5
UniRef90_L8N024
UniRef90_D4GDT6
UniRef90_A6FCM8
UniRef90_W4AS78
UniRef90_I6Z6G4
UniRef90_UPI0002C2E88D
UniRef90_A0A033UQD6
UniRef90_Q8DM57
UniRef90_B2JE88
UniRef90_V7IEL2
UniRef90_D8R5T6
UniRef90_R5HYX6

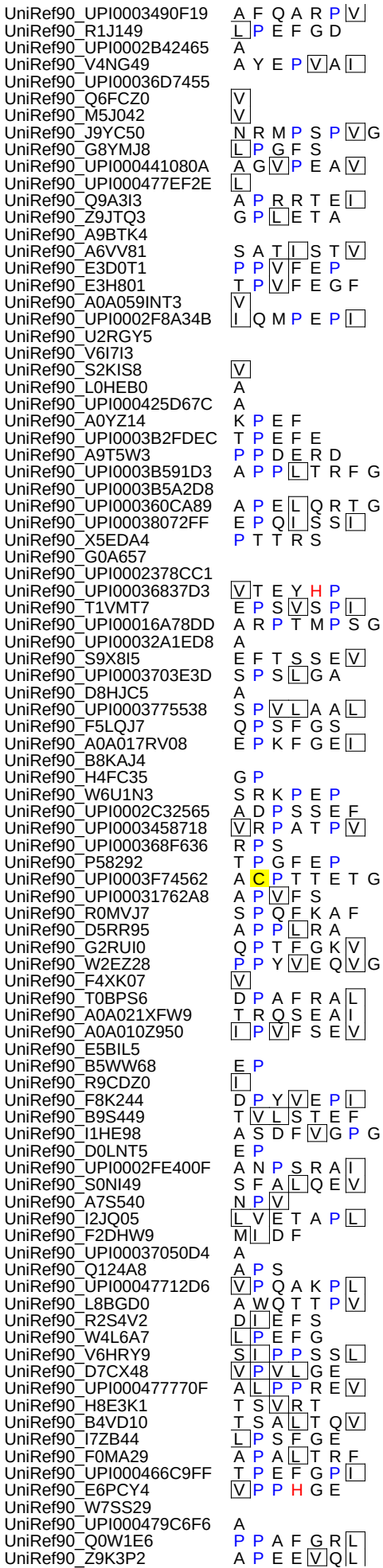

90
100
110
120
UniRef90_Q211N6
UniRef90_U2IKJ3
UniRef90_I7JZ43
UniRef90_B7I4Q1
UniRef90_U1KGU5
UniRef90_M7QIN9
UniRef90_T1IWX5
UniRef90_U5C0F3
UniRef90_UPI00026C7E38
UniRef90_UPI0004794C73
UniRef90_Q21G64
UniRef90_C6CEG1
UniRef90_T3DAR0
UniRef90_C5CI70
UniRef90_J9J2S4
UniRef90_A8TZR1
UniRef90_J3C5C4
UniRef90_M5RJL0
UniRef90_W9QT51
UniRef90_G2HU12
UniRef90_C9RWE5
UniRef90_K0VSY1
UniRef90_E1VZ04
UniRef90_N6V8I1
UniRef90_R0IMQ5
UniRef90_UPI000479A39A
UniRef90_UPI00047EA3DD
UniRef90_UPI0003812D3D
UniRef90_UPI0003820313
UniRef90_V2TK79
UniRef90_UPI0003713613
UniRef90_M0H033
UniRef90_R9BW26
UniRef90_A0A059CRI5
UniRef90_Q11WF0
UniRef90_R9JW71
UniRef90_C6JR20
UniRef90_A0A016WX01
UniRef90_I3Z7N8
UniRef90_V5WU19
UniRef90_H3B0G2
UniRef90_D2AQP3
UniRef90_Q0BX87
UniRef90_E5Y2Z2
UniRef90_M4DL03
UniRef90_E3PT82
UniRef90_UPI00041AD834
UniRef90_S2DHT1
UniRef90_U3I3L3
UniRef90_UPI000441DCD3
UniRef90_UPI000381B102
UniRef90_E4U5H1
UniRef90_G7V6L3
UniRef90_J6DQ97
UniRef90_D8MKL2
UniRef90_C3YL76
UniRef90_UPI0003D0A700
UniRef90_H2CCH8
UniRef90_V9GER6
UniRef90_B4RAT9
UniRef90_B5G8K9
UniRef90_V3GYG3
UniRef90_A4SJJ9
UniRef90_UPI000299D972
UniRef90_UPI0003B2F01C
UniRef90_K9SKU1
UniRef90_S0NXF1
UniRef90_X5R0C0
UniRef90_W5LP58
UniRef90_M7D8K1
UniRef90_K1Y2R6
UniRef90_C0EJ78
UniRef90_UPI000376F884
UniRef90_K0KA45
UniRef90_J3D2F5
UniRef90_U7QZG3
UniRef90_K9YMR9
UniRef90_F9TBF8
UniRef90_A3LNY0
UniRef90_C4U8V5
UniRef90_L8N024
UniRef90_D4GDT6
UniRef90_A6FCM8
UniRef90_W4AS78
UniRef90_I6Z6G4
UniRef90_UPI0002C2E88D
UniRef90_A0A033UQD6
UniRef90_Q8DM57
UniRef90_B2JE88
UniRef90_V7IEL2
UniRef90_D8R5T6
UniRef90_R5HYX6

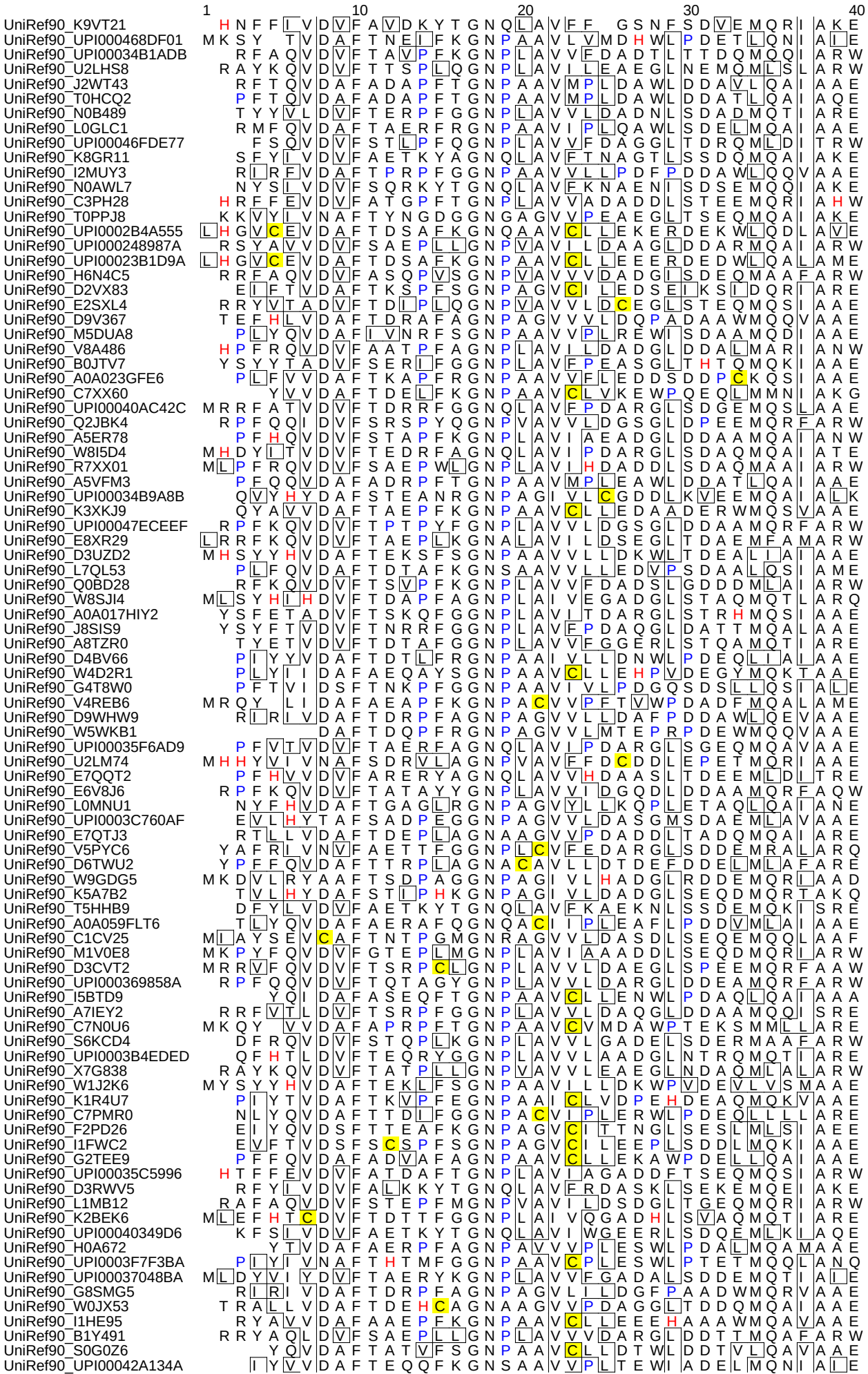

UniRef90_Q211N6 Q P
UniRef90_U2IKJ3
UniRef90_I7JZ43 L P Q F K K F
UniRef90_B7I4Q1 I
UniRef90_U1KGU5 A P E L T E
UniRef90_M7QIN9 L R T P Q P I
UniRef90_T1IWX5 P P Q
UniRef90_U5C0F3 A D D F S E V
UniRef90_UPI00026C7E38 A L P Y H P I
UniRef90_UPI0004794C73 A P T F
UniRef90_Q21G64 E V A P T P F
UniRef90_C6CEG1 D P H Y Y A L
UniRef90_T3DAR0 E L M P T E I
UniRef90_C5CI70 I P V P I P K G
UniRef90_J9J2S4 K P Q F R D L
UniRef90_A8TZR1 Q P F Q R L G
UniRef90_J3C5C4 E P V
UniRef90_M5RJL0 A
UniRef90_W9QT51 A D P N T D F
UniRef90_G2HU12
UniRef90_C9RWE5
UniRef90_K0VSY1
UniRef90_E1VZ04 A P P L T R S G
UniRef90_N6V8I1
UniRef90_R0IMQ5 V P T F E
UniRef90_UPI000479A39A A D D L Q P V
UniRef90_UPI00047EA3DD S D E I T T I
UniRef90_UPI0003812D3D L E P V Q P
UniRef90_UPI0003820313 A
UniRef90_V2TK79 I
UniRef90_UPI0003713613 V
UniRef90_M0H033 A P E F G E
UniRef90_R9BW26 P A Q F K E F
UniRef90_A0A059CRI5 V
UniRef90_Q11WF0 S D T F K E L
UniRef90_R9JW71 T Y E L K E I
UniRef90_C6JR20 K V E F G N I
UniRef90_A0A016WX01 Q
UniRef90_I3Z7N8 T D K I Q Q I
UniRef90_V5WU19
UniRef90_H3B0G2 L Y P T T A
UniRef90_D2AQP3 A L D H R P V
UniRef90_Q0BX87 S A P I R P V
UniRef90_E5Y2Z2 R P E R V P L
UniRef90_M4DL03 V
UniRef90_E3PT82 T
UniRef90_UPI00041AD834 A
UniRef90_S2DHT1 K D E L E K I
UniRef90_U3I3L3 L
UniRef90_UPI000441DCD3 L
UniRef90_UPI000381B102 Q
UniRef90_E4U5H1 A P E
UniRef90_G7V6L3 I N P P E E V
UniRef90_J6DQ97 Q P
UniRef90_D8MKL2 E A T L T G F
UniRef90_C3YL76 E
UniRef90_UPI0003D0A700 L P T F
UniRef90_H2CCH8 A R P A R P V
UniRef90_V9GER6 F P Q F I P F
UniRef90_B4RAT9 A Q P P R R V
UniRef90_B5G8K9 M P R V E D I
UniRef90_V3GYG3 E
UniRef90_A4SJJ9 R I P L T P L
UniRef90_UPI000299D972 A
UniRef90_UPI0003B2F01C A P A I S
UniRef90_K9SKU1 A Q G L Q P I
UniRef90_S0NXF1 T P Q F R P F
UniRef90_X5R0C0 Q P V E E E L
UniRef90_W5LP58 L
UniRef90_M7D8K1 N L A F E E
UniRef90_K1Y2R6
UniRef90_C0EJ78
UniRef90_UPI000376F884 N P K F
UniRef90_K0KA45 A D P A Q P I
UniRef90_J3D2F5
UniRef90_U7QZG3 K A T Y
UniRef90_K9YMR9 T P E F
UniRef90_F9TBF8 L R K P Q A I
UniRef90_A3LNY0 L P K F S P I
UniRef90_C4U8V5
UniRef90_L8N024 A T V Y Q
UniRef90_D4GDT6 K A T L T P F
UniRef90_A6FCM8 E P K F E
UniRef90_W4AS78 H P Q F I P F
UniRef90_I6Z6G4 A P E
UniRef90_UPI0002C2E88D A
UniRef90_A0A033UQD6 S P Q F E V F
UniRef90_Q8DM57 Q Q P V T P L
UniRef90_B2JE88 P A R V T P L
UniRef90_V7IEL2 A F P L K P V
UniRef90_D8R5T6 L A L A T P
UniRef90_R5HYX6 I Y H L S R V

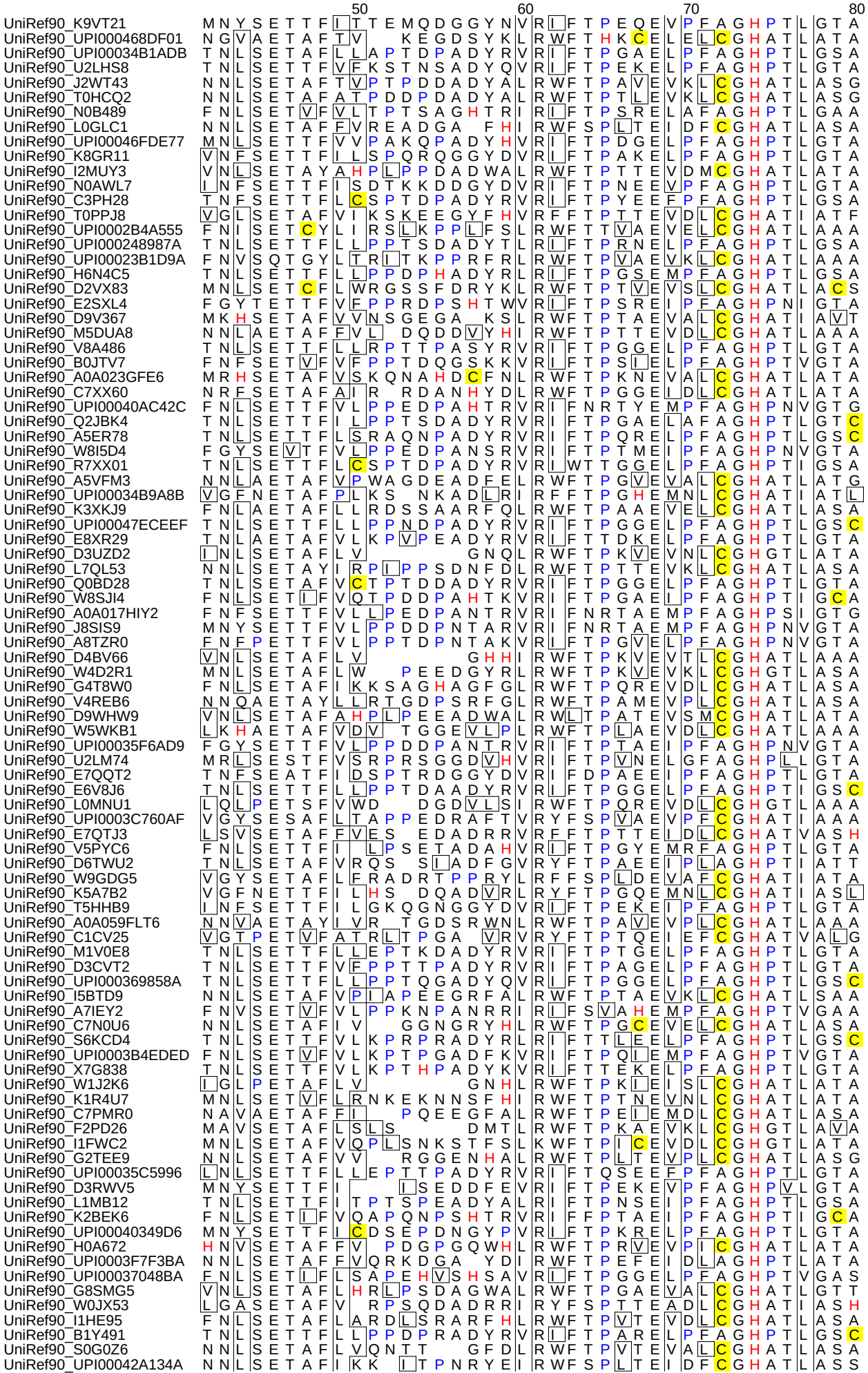

1
10
20
30
40
UniRef90_UPI0003490F19
UniRef90_R1J149
UniRef90_UPI0002B42465
UniRef90_V4NG49
UniRef90_UPI00036D7455
UniRef90_Q6FCZ0
UniRef90_M5J042
UniRef90_J9YC50
UniRef90_G8YMJ8
UniRef90_UPI000441080A
UniRef90_UPI000477EF2E
UniRef90_Q9A3I3
UniRef90_Z9JTQ3
UniRef90_A9BTK4
UniRef90_A6VV81
UniRef90_E3D0T1
UniRef90_E3H801
UniRef90_A0A059INT3
UniRef90_UPI0002F8A34B
UniRef90_U2RGY5
UniRef90_V6I7I3
UniRef90_S2KIS8
UniRef90_L0HEB0
UniRef90_UPI000425D67C
UniRef90_A0YZ14
UniRef90_UPI0003B2FDEC
UniRef90_A9T5W3
UniRef90_UPI0003B591D3
UniRef90_UPI0003B5A2D8
UniRef90_UPI000360CA89
UniRef90_UPI00038072FF
UniRef90_X5EDA4
UniRef90_G0A657
UniRef90_UPI0002378CC1
UniRef90_UPI00036837D3
UniRef90_T1VMT7
UniRef90_UPI00016A78DD
UniRef90_UPI00032A1ED8
UniRef90_S9X8I5
UniRef90_UPI0003703E3D
UniRef90_D8HJC5
UniRef90_UPI0003775538
UniRef90_F5LQJ7
UniRef90_A0A017RV08
UniRef90_B8KAJ4
UniRef90_H4FC35
UniRef90_W6U1N3
UniRef90_UPI0002C32565
UniRef90_UPI0003458718
UniRef90_UPI000368F636
UniRef90_P58292
UniRef90_UPI0003F74562
UniRef90_UPI00031762A8
UniRef90_R0MVJ7
UniRef90_D5RR95
UniRef90_G2RUI0
UniRef90_W2EZ28
UniRef90_F4XK07
UniRef90_T0BPS6
UniRef90_A0A021XFW9
UniRef90_A0A010Z950
UniRef90_E5BIL5
UniRef90_B5WW68
UniRef90_R9CDZ0
UniRef90_F8K244
UniRef90_B9S449
UniRef90_I1HE98
UniRef90_D0LNT5
UniRef90_UPI0002FE400F
UniRef90_S0NI49
UniRef90_A7S540
UniRef90_I2JQ05
UniRef90_F2DHW9
UniRef90_UPI00037050D4
UniRef90_Q124A8
UniRef90_UPI00047712D6
UniRef90_L8BGD0
UniRef90_R2S4V2
UniRef90_W4L6A7
UniRef90_V6HRY9
UniRef90_D7CX48
UniRef90_UPI000477770F
UniRef90_H8E3K1
UniRef90_B4VD10
UniRef90_I7ZB44
UniRef90_F0MA29
UniRef90_UPI000466C9FF
UniRef90_E6PCY4
UniRef90_W7SS29
UniRef90_UPI000479C6F6
UniRef90_Q0W1E6
UniRef90_Z9K3P2

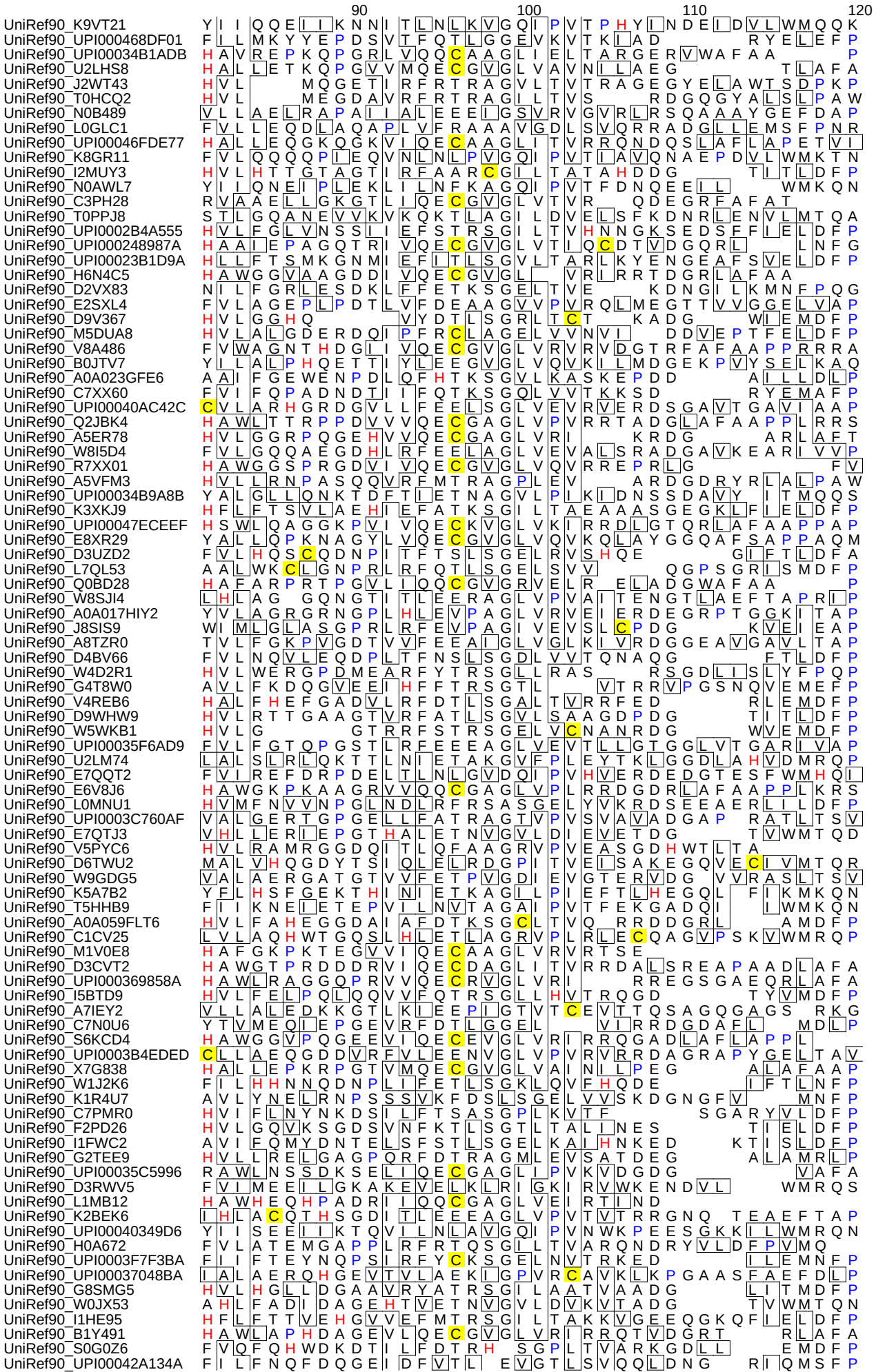

50
60
70
80
UniRef90_UPI0003490F19
UniRef90_R1J149
UniRef90_UPI0002B42465
UniRef90_V4NG49
UniRef90_UPI00036D7455
UniRef90_Q6FCZ0
UniRef90_M5J042
UniRef90_J9YC50
UniRef90_G8YMJ8
UniRef90_UPI000441080A
UniRef90_UPI000477EF2E
UniRef90_Q9A3I3
UniRef90_Z9JTQ3
UniRef90_A9BTK4
UniRef90_A6VV81
UniRef90_E3D0T1
UniRef90_E3H801
UniRef90_A0A059INT3
UniRef90_UPI0002F8A34B
UniRef90_U2RGY5
UniRef90_V6I7I3
UniRef90_S2KIS8
UniRef90_L0HEB0
UniRef90_UPI000425D67C
UniRef90_A0YZ14
UniRef90_UPI0003B2FDEC
UniRef90_A9T5W3
UniRef90_UPI0003B591D3
UniRef90_UPI0003B5A2D8
UniRef90_UPI000360CA89
UniRef90_UPI00038072FF
UniRef90_X5EDA4
UniRef90_G0A657
UniRef90_UPI0002378CC1
UniRef90_UPI00036837D3
UniRef90_T1VMT7
UniRef90_UPI00016A78DD
UniRef90_UPI00032A1ED8
UniRef90_S9X8I5
UniRef90_UPI0003703E3D
UniRef90_D8HJC5
UniRef90_UPI0003775538
UniRef90_F5LQJ7
UniRef90_A0A017RV08
UniRef90_B8KAJ4
UniRef90_H4FC35
UniRef90_W6U1N3
UniRef90_UPI0002C32565
UniRef90_UPI0003458718
UniRef90_UPI000368F636
UniRef90_P58292
UniRef90_UPI0003F74562
UniRef90_UPI00031762A8
UniRef90_R0MVJ7
UniRef90_D5RR95
UniRef90_G2RUI0
UniRef90_W2EZ28
UniRef90_F4XK07
UniRef90_T0BPS6
UniRef90_A0A021XFW9
UniRef90_A0A010Z950
UniRef90_E5BIL5
UniRef90_B5WW68
UniRef90_R9CDZ0
UniRef90_F8K244
UniRef90_B9S449
UniRef90_I1HE98
UniRef90_D0LNT5
UniRef90_UPI0002FE400F
UniRef90_S0NI49
UniRef90_A7S540
UniRef90_I2JQ05
UniRef90_F2DHW9
UniRef90_UPI00037050D4
UniRef90_Q124A8
UniRef90_UPI00047712D6
UniRef90_L8BGD0
UniRef90_R2S4V2
UniRef90_W4L6A7
UniRef90_V6HRY9
UniRef90_D7CX48
UniRef90_UPI000477770F
UniRef90_H8E3K1
UniRef90_B4VD10
UniRef90_I7ZB44
UniRef90_F0MA29
UniRef90_UPI000466C9FF
UniRef90_E6PCY4
UniRef90_W7SS29
UniRef90_UPI000479C6F6
UniRef90_Q0W1E6
UniRef90_Z9K3P2

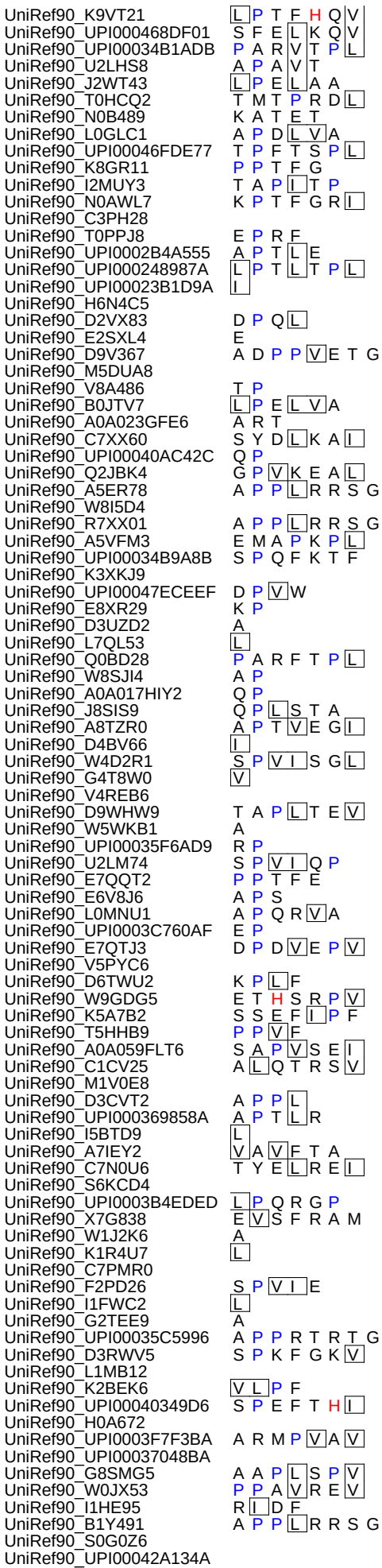

90
100
110
120
UniRef90_UPI0003490F19
UniRef90_R1J149
UniRef90_UPI0002B42465
UniRef90_V4NG49
UniRef90_UPI00036D7455
UniRef90_Q6FCZ0
UniRef90_M5J042
UniRef90_J9YC50
UniRef90_G8YMJ8
UniRef90_UPI000441080A
UniRef90_UPI000477EF2E
UniRef90_Q9A3I3
UniRef90_Z9JTQ3
UniRef90_A9BTK4
UniRef90_A6VV81
UniRef90_E3D0T1
UniRef90_E3H801
UniRef90_A0A059INT3
UniRef90_UPI0002F8A34B
UniRef90_U2RGY5
UniRef90_V6I7I3
UniRef90_S2KIS8
UniRef90_L0HEB0
UniRef90_UPI000425D67C
UniRef90_A0YZ14
UniRef90_UPI0003B2FDEC
UniRef90_A9T5W3
UniRef90_UPI0003B591D3
UniRef90_UPI0003B5A2D8
UniRef90_UPI000360CA89
UniRef90_UPI00038072FF
UniRef90_X5EDA4
UniRef90_G0A657
UniRef90_UPI0002378CC1
UniRef90_UPI00036837D3
UniRef90_T1VMT7
UniRef90_UPI00016A78DD
UniRef90_UPI00032A1ED8
UniRef90_S9X8I5
UniRef90_UPI0003703E3D
UniRef90_D8HJC5
UniRef90_UPI0003775538
UniRef90_F5LQJ7
UniRef90_A0A017RV08
UniRef90_B8KAJ4
UniRef90_H4FC35
UniRef90_W6U1N3
UniRef90_UPI0002C32565
UniRef90_UPI0003458718
UniRef90_UPI000368F636
UniRef90_P58292
UniRef90_UPI0003F74562
UniRef90_UPI00031762A8
UniRef90_R0MVJ7
UniRef90_D5RR95
UniRef90_G2RUI0
UniRef90_W2EZ28
UniRef90_F4XK07
UniRef90_T0BPS6
UniRef90_A0A021XFW9
UniRef90_A0A010Z950
UniRef90_E5BIL5
UniRef90_B5WW68
UniRef90_R9CDZ0
UniRef90_F8K244
UniRef90_B9S449
UniRef90_I1HE98
UniRef90_D0LNT5
UniRef90_UPI0002FE400F
UniRef90_S0NI49
UniRef90_A7S540
UniRef90_I2JQ05
UniRef90_F2DHW9
UniRef90_UPI00037050D4
UniRef90_Q124A8
UniRef90_UPI00047712D6
UniRef90_L8BGD0
UniRef90_R2S4V2
UniRef90_W4L6A7
UniRef90_V6HRY9
UniRef90_D7CX48
UniRef90_UPI000477770F
UniRef90_H8E3K1
UniRef90_B4VD10
UniRef90_I7ZB44
UniRef90_F0MA29
UniRef90_UPI000466C9FF
UniRef90_E6PCY4
UniRef90_W7SS29
UniRef90_UPI000479C6F6
UniRef90_Q0W1E6
UniRef90_Z9K3P2

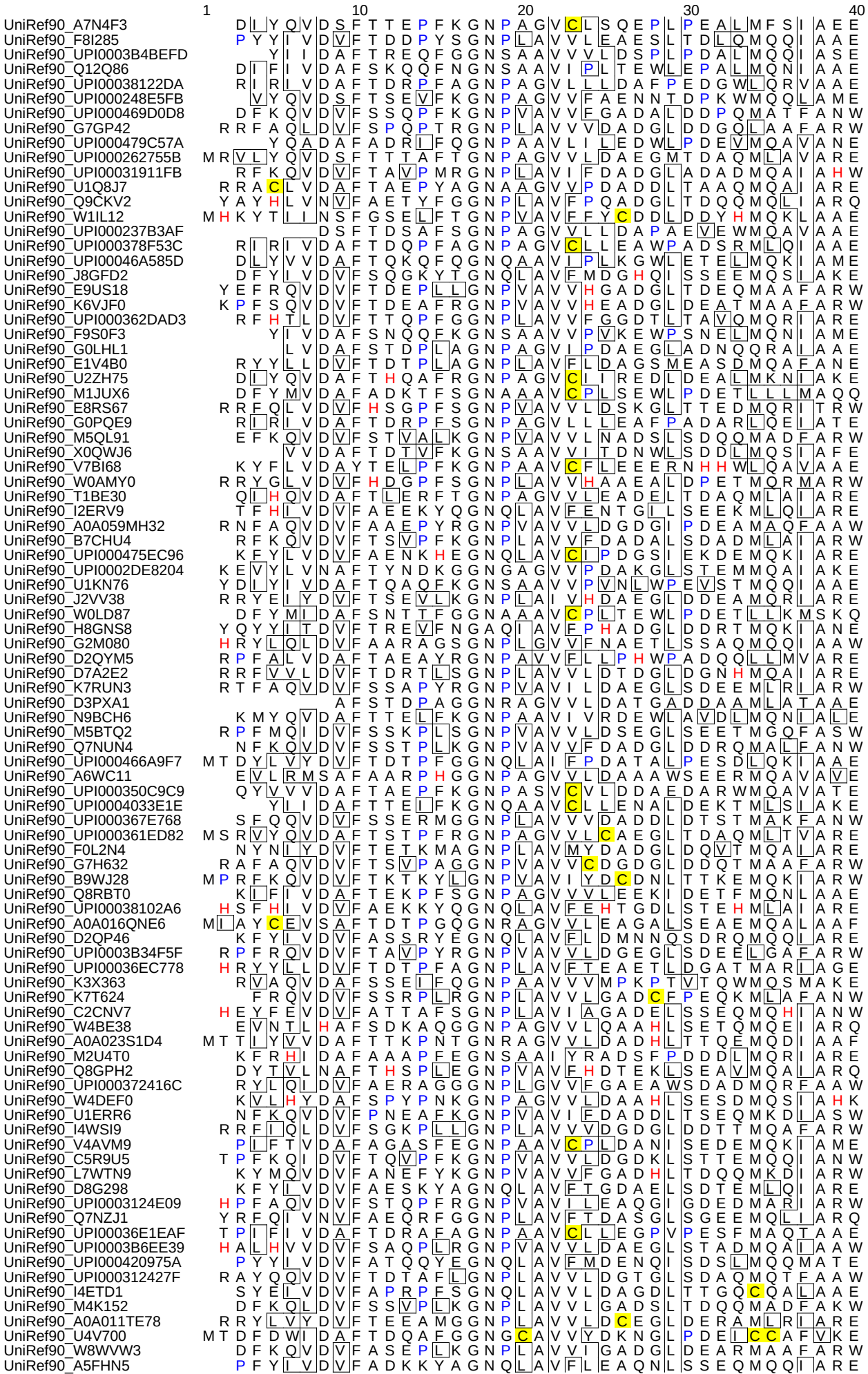

UniRef90_UPI0003490F19 A F Q A R P V
UniRef90_R1J149 L P E F G D
UniRef90_UPI0002B42465 A
UniRef90_V4NG49 A Y E P V A I
UniRef90_UPI00036D7455
UniRef90_Q6FCZ0 V
UniRef90_M5J042 V
UniRef90_J9YC50 N R M P S P V G
UniRef90_G8YMJ8 L P G F S
UniRef90_UPI000441080A A G V P E A V
UniRef90_UPI000477EF2E L
UniRef90_Q9A3I3 A P R R T E I
UniRef90_Z9JTQ3 G P L E T A
UniRef90_A9BTK4
UniRef90_A6VV81 S A T I S T V
UniRef90_E3D0T1 P P V F E P
UniRef90_E3H801 T P V F E G F
UniRef90_A0A059INT3 V
UniRef90_UPI0002F8A34B I Q M P E P I
UniRef90_U2RGY5
UniRef90_V6I7I3
UniRef90_S2KIS8 V
UniRef90_L0HEB0 A
UniRef90_UPI000425D67C A
UniRef90_A0YZ14 K P E F
UniRef90_UPI0003B2FDEC T P E F E
UniRef90_A9T5W3 P P D E R D
UniRef90_UPI0003B591D3 A P P L T R F G
UniRef90_UPI0003B5A2D8
UniRef90_UPI000360CA89 A P E L Q R T G
UniRef90_UPI00038072FF E P Q I S S I
UniRef90_X5EDA4 P T T R S
UniRef90_G0A657
UniRef90_UPI0002378CC1
UniRef90_UPI00036837D3 V T E Y H P
UniRef90_T1VMT7 E P S V S P I
UniRef90_UPI00016A78DD A R P T M P S G
UniRef90_UPI00032A1ED8 A
UniRef90_S9X8I5 E F T S S E V
UniRef90_UPI0003703E3D S P S L G A
UniRef90_D8HJC5 A
UniRef90_UPI0003775538 S P V L A A L
UniRef90_F5LQJ7 Q P S F G S
UniRef90_A0A017RV08 E P K F G E I
UniRef90_B8KAJ4
UniRef90_H4FC35 G P
UniRef90_W6U1N3 S R K P E P
UniRef90_UPI0002C32565 A D P S S E F
UniRef90_UPI0003458718 V R P A T P V
UniRef90_UPI000368F636 R P S
UniRef90_P58292 T P G F E P
UniRef90_UPI0003F74562 A C P T T E T G
UniRef90_UPI00031762A8 A P V F S
UniRef90_R0MVJ7 S P Q F K A F
UniRef90_D5RR95 A P P L R A
UniRef90_G2RUI0 Q P T F G K V
UniRef90_W2EZ28 P P Y V E Q V G
UniRef90_F4XK07 V
UniRef90_T0BPS6 D P A F R A L
UniRef90_A0A021XFW9 T R Q S E A I
UniRef90_A0A010Z950 I P V F S E V
UniRef90_E5BIL5
UniRef90_B5WW68 E P
UniRef90_R9CDZ0 I
UniRef90_F8K244 D P Y V E P I
UniRef90_B9S449 T V L S T E F
UniRef90_I1HE98 A S D F V G P G
UniRef90_D0LNT5 E P
UniRef90_UPI0002FE400F A N P S R A I
UniRef90_S0NI49 S F A L Q E V
UniRef90_A7S540 N P V
UniRef90_I2JQ05 L V E T A P L
UniRef90_F2DHW9 M I D F
UniRef90_UPI00037050D4 A
UniRef90_Q124A8 A P S
UniRef90_UPI00047712D6 V P Q A K P L
UniRef90_L8BGD0 A W Q T T P V
UniRef90_R2S4V2 D I E F S
UniRef90_W4L6A7 L P E F G
UniRef90_V6HRY9 S I P P S S L
UniRef90_D7CX48 V P V L G E
UniRef90_UPI000477770F A L P P R E V
UniRef90_H8E3K1 T S V R T
UniRef90_B4VD10 T S A L T Q V
UniRef90_I7ZB44 L P S F G E
UniRef90_F0MA29 A P A L T R F
UniRef90_UPI000466C9FF T P E F G P I
UniRef90_E6PCY4 V P P H G E
UniRef90_W7SS29
UniRef90_UPI000479C6F6 A
UniRef90_Q0W1E6 P P A F G R L
UniRef90_Z9K3P2 A P E E V Q L

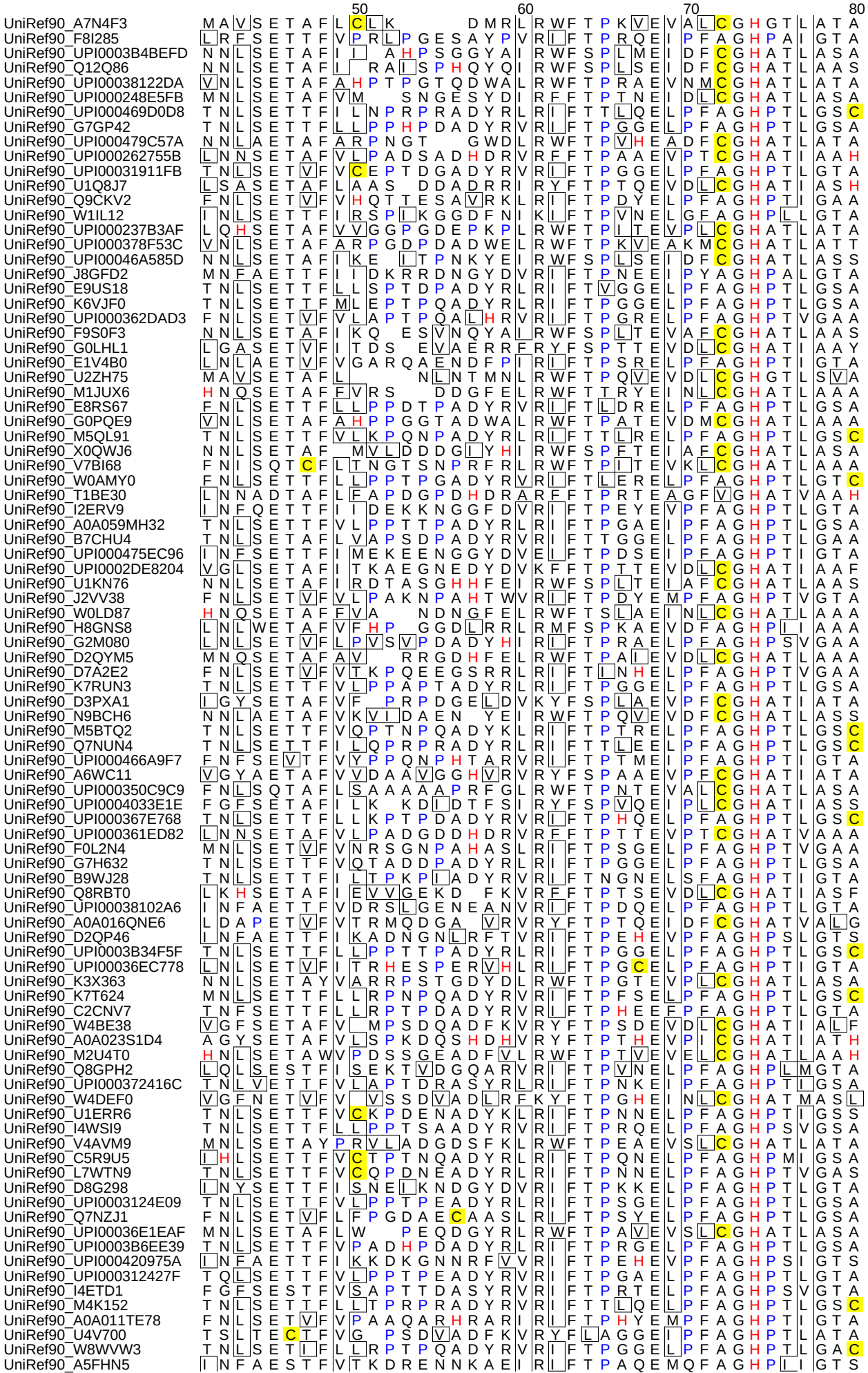

1
10
20
30
40
UniRef90_K9VT21
UniRef90_UPI000468DF01
UniRef90_UPI00034B1ADB
UniRef90_U2LHS8
UniRef90_J2WT43
UniRef90_T0HCQ2
UniRef90_N0B489
UniRef90_L0GLC1
UniRef90_UPI00046FDE77
UniRef90_K8GR11
UniRef90_I2MUY3
UniRef90_N0AWL7
UniRef90_C3PH28
UniRef90_T0PPJ8
UniRef90_UPI0002B4A555
UniRef90_UPI000248987A
UniRef90_UPI00023B1D9A
UniRef90_H6N4C5
UniRef90_D2VX83
UniRef90_E2SXL4
UniRef90_D9V367
UniRef90_M5DUA8
UniRef90_V8A486
UniRef90_B0JTV7
UniRef90_A0A023GFE6
UniRef90_C7XX60
UniRef90_UPI00040AC42C
UniRef90_Q2JBK4
UniRef90_A5ER78
UniRef90_W8I5D4
UniRef90_R7XX01
UniRef90_A5VFM3
UniRef90_UPI00034B9A8B
UniRef90_K3XKJ9
UniRef90_UPI00047ECEEF
UniRef90_E8XR29
UniRef90_D3UZD2
UniRef90_L7QL53
UniRef90_Q0BD28
UniRef90_W8SJI4
UniRef90_A0A017HIY2
UniRef90_J8SIS9
UniRef90_A8TZR0
UniRef90_D4BV66
UniRef90_W4D2R1
UniRef90_G4T8W0
UniRef90_V4REB6
UniRef90_D9WHW9
UniRef90_W5WKB1
UniRef90_UPI00035F6AD9
UniRef90_U2LM74
UniRef90_E7QQT2
UniRef90_E6V8J6
UniRef90_L0MNU1
UniRef90_UPI0003C760AF
UniRef90_E7QTJ3
UniRef90_V5PYC6
UniRef90_D6TWU2
UniRef90_W9GDG5
UniRef90_K5A7B2
UniRef90_T5HHB9
UniRef90_A0A059FLT6
UniRef90_C1CV25
UniRef90_M1V0E8
UniRef90_D3CVT2
UniRef90_UPI000369858A
UniRef90_I5BTD9
UniRef90_A7IEY2
UniRef90_C7N0U6
UniRef90_S6KCD4
UniRef90_UPI0003B4EDED
UniRef90_X7G838
UniRef90_W1J2K6
UniRef90_K1R4U7
UniRef90_C7PMR0
UniRef90_F2PD26
UniRef90_I1FWC2
UniRef90_G2TEE9
UniRef90_UPI00035C5996
UniRef90_D3RWV5
UniRef90_L1MB12
UniRef90_K2BEK6
UniRef90_UPI00040349D6
UniRef90_H0A672
UniRef90_UPI0003F7F3BA
UniRef90_UPI00037048BA
UniRef90_G8SMG5
UniRef90_W0JX53
UniRef90_I1HE95
UniRef90_B1Y491
UniRef90_S0G0Z6
UniRef90_UPI00042A134A

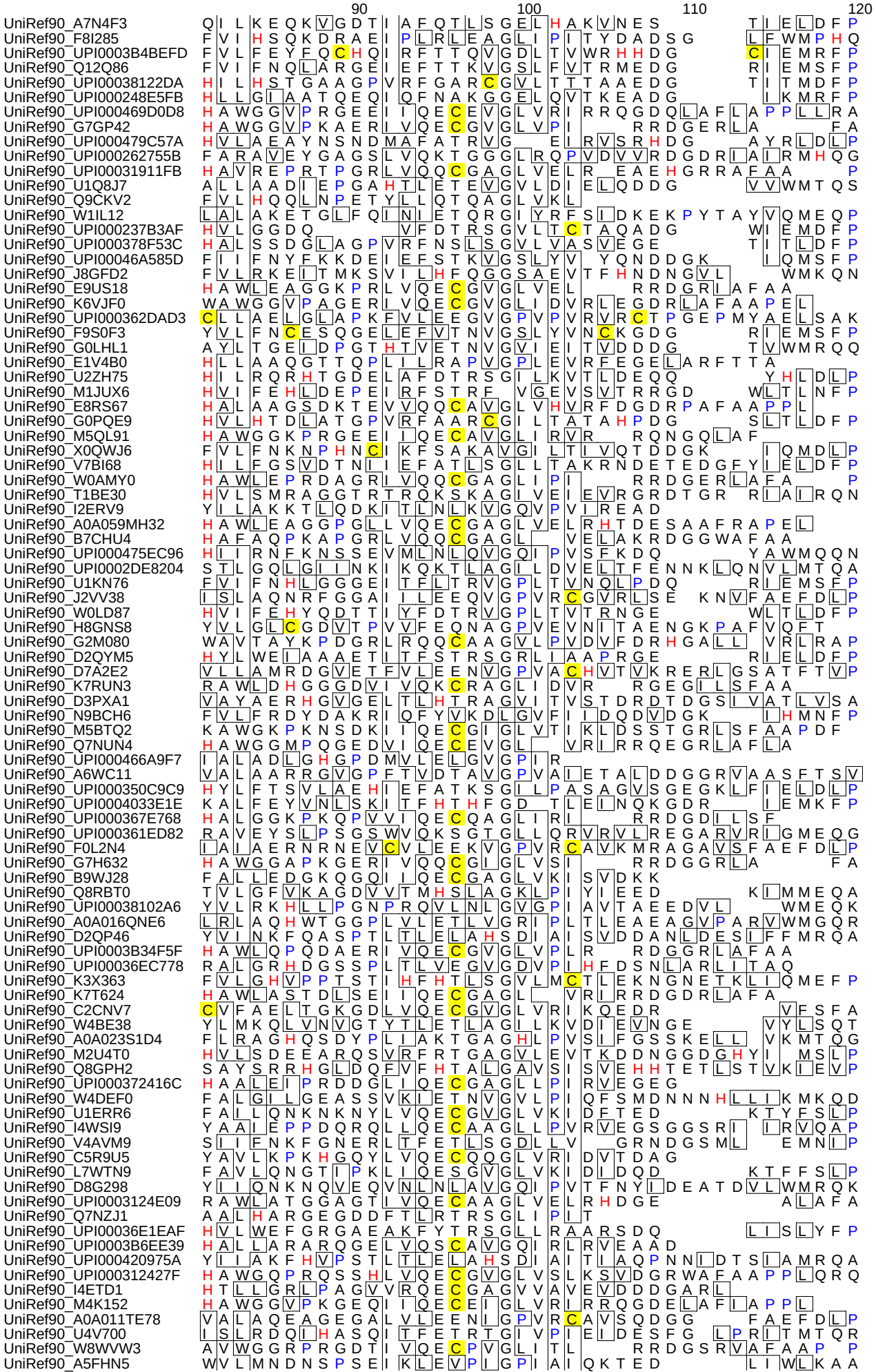

50
60
70
80
UniRef90_K9VT21
UniRef90_UPI000468DF01
UniRef90_UPI00034B1ADB
UniRef90_U2LHS8
UniRef90_J2WT43
UniRef90_T0HCQ2
UniRef90_N0B489
UniRef90_L0GLC1
UniRef90_UPI00046FDE77
UniRef90_K8GR11
UniRef90_I2MUY3
UniRef90_N0AWL7
UniRef90_C3PH28
UniRef90_T0PPJ8
UniRef90_UPI0002B4A555
UniRef90_UPI000248987A
UniRef90_UPI00023B1D9A
UniRef90_H6N4C5
UniRef90_D2VX83
UniRef90_E2SXL4
UniRef90_D9V367
UniRef90_M5DUA8
UniRef90_V8A486
UniRef90_B0JTV7
UniRef90_A0A023GFE6
UniRef90_C7XX60
UniRef90_UPI00040AC42C
UniRef90_Q2JBK4
UniRef90_A5ER78
UniRef90_W8I5D4
UniRef90_R7XX01
UniRef90_A5VFM3
UniRef90_UPI00034B9A8B
UniRef90_K3XKJ9
UniRef90_UPI00047ECEEF
UniRef90_E8XR29
UniRef90_D3UZD2
UniRef90_L7QL53
UniRef90_Q0BD28
UniRef90_W8SJI4
UniRef90_A0A017HIY2
UniRef90_J8SIS9
UniRef90_A8TZR0
UniRef90_D4BV66
UniRef90_W4D2R1
UniRef90_G4T8W0
UniRef90_V4REB6
UniRef90_D9WHW9
UniRef90_W5WKB1
UniRef90_UPI00035F6AD9
UniRef90_U2LM74
UniRef90_E7QQT2
UniRef90_E6V8J6
UniRef90_L0MNU1
UniRef90_UPI0003C760AF
UniRef90_E7QTJ3
UniRef90_V5PYC6
UniRef90_D6TWU2
UniRef90_W9GDG5
UniRef90_K5A7B2
UniRef90_T5HHB9
UniRef90_A0A059FLT6
UniRef90_C1CV25
UniRef90_M1V0E8
UniRef90_D3CVT2
UniRef90_UPI00036985 8A
UniRef90_I5BTD9
UniRef90_A7IEY2
UniRef90_C7N0U6
UniRef90_S6KCD4
UniRef90_UPI0003B4EDED
UniRef90_X7G838
UniRef90_W1J2K6
UniRef90_K1R4U7
UniRef90_C7PMR0
UniRef90_F2PD26
UniRef90_I1FWC2
UniRef90_G2TEE9
UniRef90_UPI00035C5996
UniRef90_D3RWV5
UniRef90_L1MB12
UniRef90_K2BEK6
UniRef90_UPI00040349D6
UniRef90_H0A672
UniRef90_UPI0003F7F3BA
UniRef90_UPI00037048BA
UniRef90_G8SMG5
UniRef90_W0JX53
UniRef90_I1HE95
UniRef90_B1Y491
UniRef90_S0G0Z6
UniRef90_UPI00042A134A


90
100
110
120
UniRef90_K9VT21
UniRef90_UPI000468DF01
UniRef90_UPI00034B1ADB
UniRef90_U2LHS8
UniRef90_J2WT43
UniRef90_T0HCQ2
UniRef90_N0B489
UniRef90_L0GLC1
UniRef90_UPI00046FDE77
UniRef90_K8GR11
UniRef90_I2MUY3
UniRef90_N0AWL7
UniRef90_C3PH28
UniRef90_T0PPJ8
UniRef90_UPI0002B4A555
UniRef90_UPI000248987A
UniRef90_UPI00023B1D9A
UniRef90_H6N4C5
UniRef90_D2VX83
UniRef90_E2SXL4
UniRef90_D9V367
UniRef90_M5DUA8
UniRef90_V8A486
UniRef90_B0JTV7
UniRef90_A0A023GFE6
UniRef90_C7XX60
UniRef90_UPI00040AC42C
UniRef90_Q2JBK4
UniRef90_A5ER78
UniRef90_W8I5D4
UniRef90_R7XX01
UniRef90_A5VFM3
UniRef90_UPI00034B9A8B
UniRef90_K3XKJ9
UniRef90_UPI00047ECEEF
UniRef90_E8XR29
UniRef90_D3UZD2
UniRef90_L7QL53
UniRef90_Q0BD28
UniRef90_W8SJI4
UniRef90_A0A017HIY2
UniRef90_J8SIS9
UniRef90_A8TZR0
UniRef90_D4BV66
UniRef90_W4D2R1
UniRef90_G4T8W0
UniRef90_V4REB6
UniRef90_D9WHW9
UniRef90_W5WKB1
UniRef90_UPI00035F6AD9
UniRef90_U2LM74
UniRef90_E7QQT2
UniRef90_E6V8J6
UniRef90_L0MNU1
UniRef90_UPI0003C760AF
UniRef90_E7QTJ3
UniRef90_V5PYC6
UniRef90_D6TWU2
UniRef90_W9GDG5
UniRef90_K5A7B2
UniRef90_T5HHB9
UniRef90_A0A059FLT6
UniRef90_C1CV25
UniRef90_M1V0E8
UniRef90_D3CVT2
UniRef90_UPI000369858A
UniRef90_I5BTD9
UniRef90_A7IEY2
UniRef90_C7N0U6
UniRef90_S6KCD4
UniRef90_UPI0003B4EDED
UniRef90_X7G838
UniRef90_W1J2K6
UniRef90_K1R4U7
UniRef90_C7PMR0
UniRef90_F2PD26
UniRef90_I1FWC2
UniRef90_G2TEE9
UniRef90_UPI00035C5996
UniRef90_D3RWV5
UniRef90_L1MB12
UniRef90_K2BEK6
UniRef90_UPI00040349D6
UniRef90_H0A672
UniRef90_UPI0003F7F3BA
UniRef90_UPI00037048BA
UniRef90_G8SMG5
UniRef90_W0JX53
UniRef90_I1HE95
UniRef90_B1Y491
UniRef90_S0G0Z6
UniRef90_UPI00042A134A

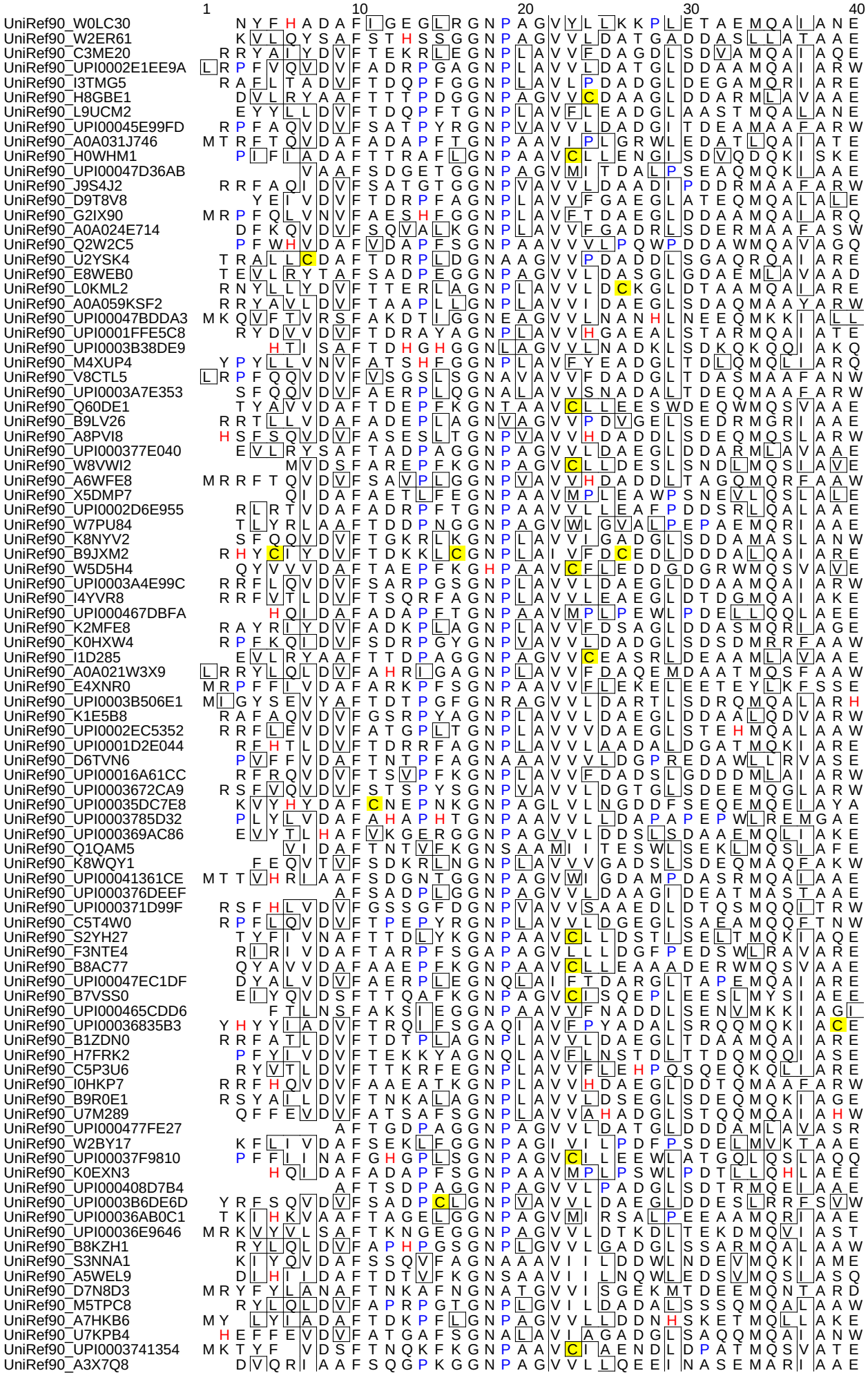

UniRef90_K9VT21 L P T F H Q V
UniRef90_UPI000468DF01 S F E L K Q V
UniRef90_UPI00034B1ADB P A R V T P L
UniRef90_U2LHS8 A P A V T
UniRef90_J2WT43 L P E L A A
UniRef90_T0HCQ2 T M T P R D L
UniRef90_N0B489 K A T E T
UniRef90_L0GLC1 A P D L V A
UniRef90_UPI00046FDE77 T P F T S P L
UniRef90_K8GR11 P P T F G
UniRef90_I2MUY3 T A P I T P
UniRef90_N0AWL7 K P T F G R I
UniRef90_C3PH28
UniRef90_T0PPJ8 E P R F
UniRef90_UPI0002B4A555 A P T L E
UniRef90_UPI000248987A L P T L T P L
UniRef90_UPI00023B1D9A I
UniRef90_H6N4C5
UniRef90_D2VX83 D P Q L
UniRef90_E2SXL4 E
UniRef90_D9V367 A D P P V E T G
UniRef90_M5DUA8
UniRef90_V8A486 T P
UniRef90_B0JTV7 L P E L V A
UniRef90_A0A023GFE6 A R T
UniRef90_C7XX60 S Y D L K A I
UniRef90_UPI00040AC42C Q P
UniRef90_Q2JBK4 G P V K E A L
UniRef90_A5ER78 A P P L R R S G
UniRef90_W8I5D4
UniRef90_R7XX01 A P P L R R S G
UniRef90_A5VFM3 E M A P K P L
UniRef90_UPI00034B9A8B S P Q F K T F
UniRef90_K3XKJ9
UniRef90_UPI00047ECEEF D P V W
UniRef90_E8XR29 K P
UniRef90_D3UZD2 A
UniRef90_L7QL53 L
UniRef90_Q0BD28 P A R F T P L
UniRef90_W8SJI4 A P
UniRef90_A0A017HIY2 Q P
UniRef90_J8SIS9 Q P L S T A
UniRef90_A8TZR0 A P T V E G I
UniRef90_D4BV66 I
UniRef90_W4D2R1 S P V I S G L
UniRef90_G4T8W0 V
UniRef90_V4REB6
UniRef90_D9WHW9 T A P L T E V
UniRef90_W5WKB1 A
UniRef90_UPI00035F6AD9 R P
UniRef90_U2LM74 S P V I Q P
UniRef90_E7QQT2 P P T F E
UniRef90_E6V8J6 A P S
UniRef90_L0MNU1 A P Q R V A
UniRef90_UPI0003C760AF E P
UniRef90_E7QTJ3 D P D V E P V
UniRef90_V5PYC6
UniRef90_D6TWU2 K P L F
UniRef90_W9GDG5 E T H S R P V
UniRef90_K5A7B2 S S E F I P F
UniRef90_T5HHB9 P P V F
UniRef90_A0A059FLT6 S A P V S E I
UniRef90_C1CV25 A L Q T R S V
UniRef90_M1V0E8
UniRef90_D3CVT2 A P P L
UniRef90_UPI000369858A A P T L R
UniRef90_I5BTD9 L
UniRef90_A7IEY2 V A V F T A
UniRef90_C7N0U6 T Y E L R E I
UniRef90_S6KCD4
UniRef90_UPI0003B4EDED L P Q R G P
UniRef90_X7G838 E V S F R A M
UniRef90_W1J2K6 A
UniRef90_K1R4U7 L
UniRef90_C7PMR0
UniRef90_F2PD26 S P V I E
UniRef90_I1FWC2 L
UniRef90_G2TEE9 A
UniRef90_UPI00035C5996 A P P R T R T G
UniRef90_D3RWV5 S P K F G K V
UniRef90_L1MB12
UniRef90_K2BEK6 V L P F
UniRef90_UPI00040349D6 S P E F T H I
UniRef90_H0A672
UniRef90_UPI0003F7F3BA A R M P V A V
UniRef90_UPI00037048BA
UniRef90_G8SMG5 A A P L S P V
UniRef90_W0JX53 P P A V R E V
UniRef90_I1HE95 R I D F
UniRef90_B1Y491 A P P L R R S G
UniRef90_S0G0Z6
UniRef90_UPI00042A134A

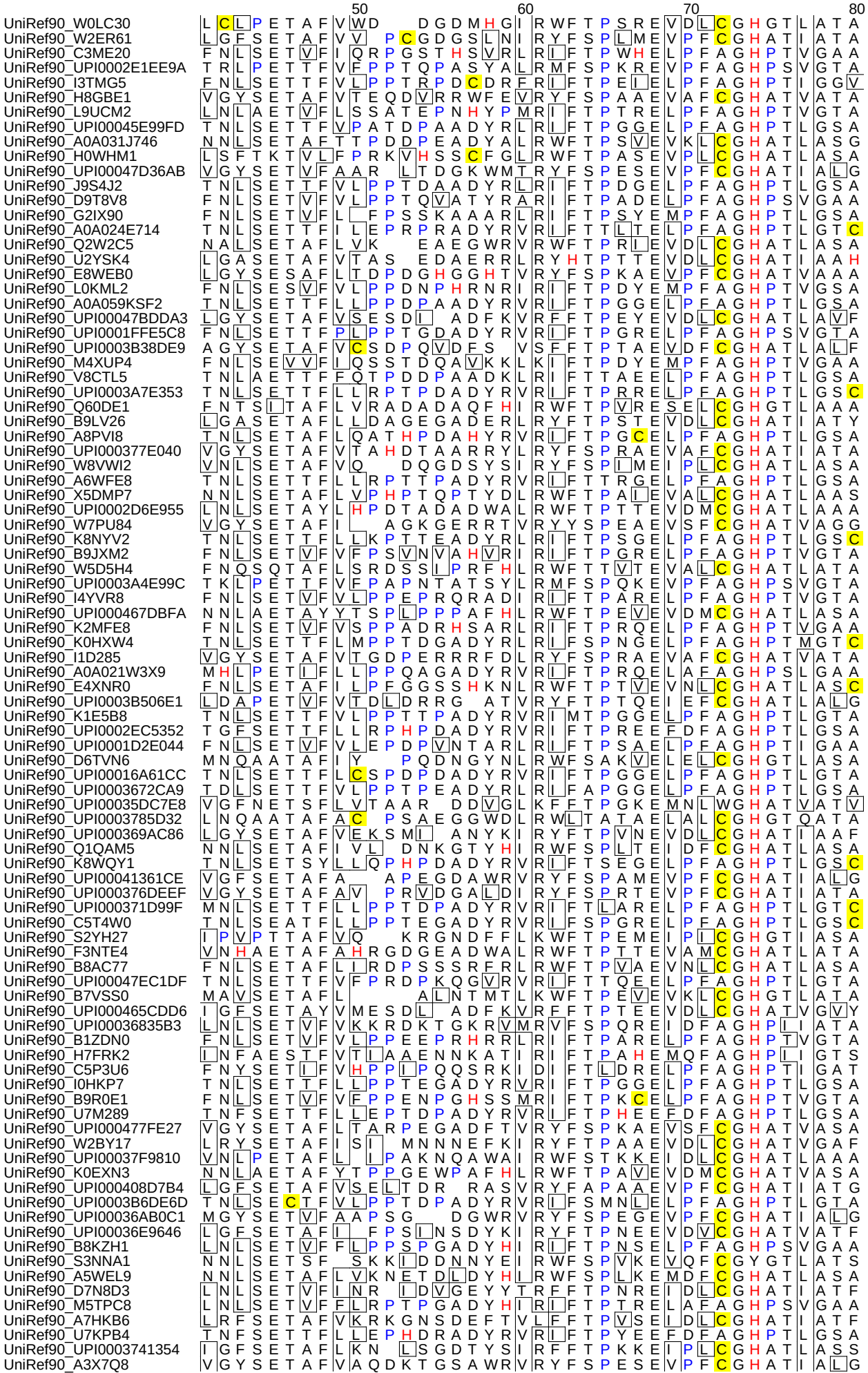

1
10
20
30
40
UniRef90_A7N4F3
UniRef90_F8I285
UniRef90_UPI0003B4BEFD
UniRef90_Q12Q86
UniRef90_UPI00038122DA
UniRef90_UPI000248E5FB
UniRef90_UPI000469D0D8
UniRef90_G7GP42
UniRef90_UPI000479C57A
UniRef90_UPI000262755B
UniRef90_UPI00031911FB
UniRef90_U1Q8J7
UniRef90_Q9CKV2
UniRef90_W1IL12
UniRef90_UPI000237B3AF
UniRef90_UPI000378F53C
UniRef90_UPI00046A585D
UniRef90_J8GFD2
UniRef90_E9US18
UniRef90_K6VJF0
UniRef90_UPI000362DAD3
UniRef90_F9S0F3
UniRef90_G0LHL1
UniRef90_E1V4B0
UniRef90_U2ZH75
UniRef90_M1JUX6
UniRef90_E8RS67
UniRef90_G0PQE9
UniRef90_M5QL91
UniRef90_X0QWJ6
UniRef90_V7BI68
UniRef90_W0AMY0
UniRef90_T1BE30
UniRef90_I2ERV9
UniRef90_A0A059MH32
UniRef90_B7CHU4
UniRef90_UPI000475EC96
UniRef90_UPI0002DE8204
UniRef90_U1KN76
UniRef90_J2VV38
UniRef90_W0LD87
UniRef90_H8GNS8
UniRef90_G2M080
UniRef90_D2QYM5
UniRef90_D7A2E2
UniRef90_K7RUN3
UniRef90_D3PXA1
UniRef90_N9BCH6
UniRef90_M5BTQ2
UniRef90_Q7NUN4
UniRef90_UPI000466A9F7
UniRef90_A6WC11
UniRef90_UPI000350C9C9
UniRef90_UPI0004033E1E
UniRef90_UPI000367E768
UniRef90_UPI000361ED82
UniRef90_F0L2N4
UniRef90_G7H632
UniRef90_B9WJ28
UniRef90_Q8RBT0
UniRef90_UPI00038102A6
UniRef90_A0A016QNE6
UniRef90_D2QP46
UniRef90_UPI0003B34F5F
UniRef90_UPI00036EC778
UniRef90_K3X363
UniRef90_K7T624
UniRef90_C2CNV7
UniRef90_W4BE38
UniRef90_A0A023S1D4
UniRef90_M2U4T0
UniRef90_Q8GPH2
UniRef90_UPI000372416C
UniRef90_W4DEF0
UniRef90_U1ERR6
UniRef90_I4WSI9
UniRef90_V4AVM9
UniRef90_C5R9U5
UniRef90_L7WTN9
UniRef90_D8G298
UniRef90_UPI0003124E09
UniRef90_Q7NZJ1
UniRef90_UPI00036E1EAF
UniRef90_UPI0003B6EE39
UniRef90_UPI000420975A
UniRef90_UPI000312427F
UniRef90_I4ETD1
UniRef90_M4K152
UniRef90_A0A011TE78
UniRef90_U4V700
UniRef90_W8WVW3
UniRef90_A5FHN5

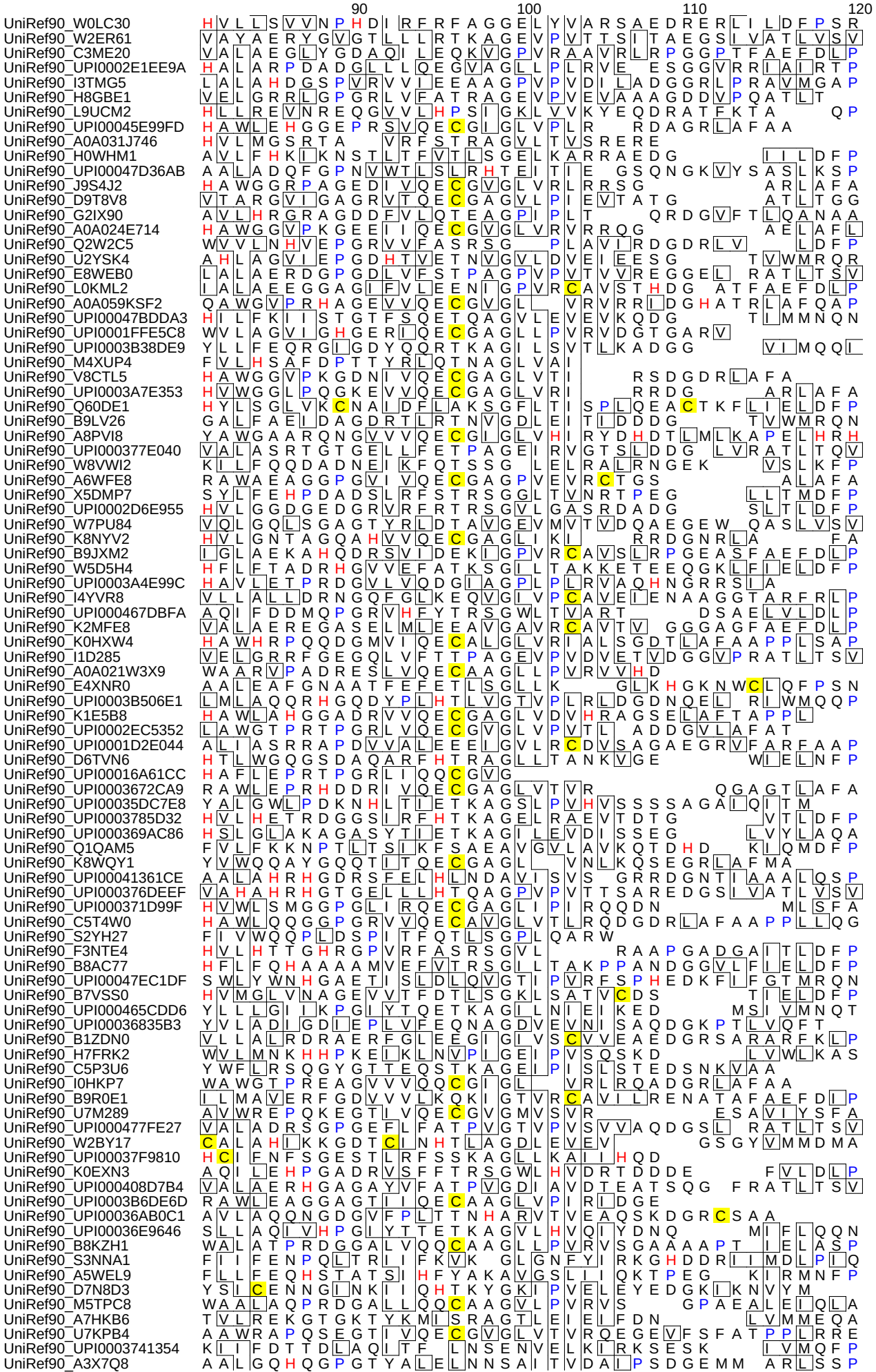

50
60
70
80
UniRef90_A7N4F3
UniRef90_F8I285
UniRef90_UPI0003B4BEFD
UniRef90_Q12Q86
UniRef90_UPI00038122DA
UniRef90_UPI000248E5FB
UniRef90_UPI000469D0D8
UniRef90_G7GP42
UniRef90_UPI000479C57A
UniRef90_UPI000262755B
UniRef90_UPI00031911FB
UniRef90_U1Q8J7
UniRef90_Q9CKV2
UniRef90_W1IL12
UniRef90_UPI000237B3AF
UniRef90_UPI000378F53C
UniRef90_UPI00046A585D
UniRef90_J8GFD2
UniRef90_E9US18
UniRef90_K6VJF0
UniRef90_UPI000362DAD3
UniRef90_F9S0F3
UniRef90_G0LHL1
UniRef90_E1V4B0
UniRef90_U2ZH75
UniRef90_M1JUX6
UniRef90_E8RS67
UniRef90_G0PQE9
UniRef90_M5QL91
UniRef90_X0QWJ6
UniRef90_V7BI68
UniRef90_W0AMY0
UniRef90_T1BE30
UniRef90_I2ERV9
UniRef90_A0A059MH32
UniRef90_B7CHU4
UniRef90_UPI000475EC96
UniRef90_UPI0002DE8204
UniRef90_U1KN76
UniRef90_J2VV38
UniRef90_W0LD87
UniRef90_H8GNS8
UniRef90_G2M080
UniRef90_D2QYM5
UniRef90_D7A2E2
UniRef90_K7RUN3
UniRef90_D3PXA1
UniRef90_N9BCH6
UniRef90_M5BTQ2
UniRef90_Q7NUN4
UniRef90_UPI000466A9F7
UniRef90_A6WC11
UniRef90_UPI000350C9C9
UniRef90_UPI0004033E1E
UniRef90_UPI000367E768
UniRef90_UPI000361ED82
UniRef90_F0L2N4
UniRef90_G7H632
UniRef90_B9WJ28
UniRef90_Q8RBT0
UniRef90_UPI00038102A6
UniRef90_A0A016QNE6
UniRef90_D2QP46
UniRef90_UPI0003B34F5F
UniRef90_UPI00036EC778
UniRef90_K3X363
UniRef90_K7T624
UniRef90_C2CNV7
UniRef90_W4BE38
UniRef90_A0A023S1D4
UniRef90_M2U4T0
UniRef90_Q8GPH2
UniRef90_UPI000372416C
UniRef90_W4DEF0
UniRef90_U1ERR6
UniRef90_I4WSI9
UniRef90_V4AVM9
UniRef90_C5R9U5
UniRef90_L7WTN9
UniRef90_D8G298
UniRef90_UPI0003124E09
UniRef90_Q7NZJ1
UniRef90_UPI00036E1EAF
UniRef90_UPI0003B6EE39
UniRef90_UPI000420975A
UniRef90_UPI000312427F
UniRef90_I4ETD1
UniRef90_M4K152
UniRef90_A0A011TE78
UniRef90_U4V700
UniRef90_W8WVW3
UniRef90_A5FHN5


90
100
110
120
UniRef90_A7N4F3
UniRef90_F8I285
UniRef90_UPI0003B4BEFD
UniRef90_Q12Q86
UniRef90_UPI00038122DA
UniRef90_UPI000248E5FB
UniRef90_UPI000469D0D8
UniRef90_G7GP42
UniRef90_UPI000479C57A
UniRef90_UPI000262755B
UniRef90_UPI00031911FB
UniRef90_U1Q8J7
UniRef90_Q9CKV2
UniRef90_W1IL12
UniRef90_UPI000237B3AF
UniRef90_UPI000378F53C
UniRef90_UPI00046A585D
UniRef90_J8GFD2
UniRef90_E9US18
UniRef90_K6VJF0
UniRef90_UPI000362DAD3
UniRef90_F9S0F3
UniRef90_G0LHL1
UniRef90_E1V4B0
UniRef90_U2ZH75
UniRef90_M1JUX6
UniRef90_E8RS67
UniRef90_G0PQE9
UniRef90_M5QL91
UniRef90_X0QWJ6
UniRef90_V7BI68
UniRef90_W0AMY0
UniRef90_T1BE30
UniRef90_I2ERV9
UniRef90_A0A059MH32
UniRef90_B7CHU4
UniRef90_UPI000475EC96
UniRef90_UPI0002DE8204
UniRef90_U1KN76
UniRef90_J2VV38
UniRef90_W0LD87
UniRef90_H8GNS8
UniRef90_G2M080
UniRef90_D2QYM5
UniRef90_D7A2E2
UniRef90_K7RUN3
UniRef90_D3PXA1
UniRef90_N9BCH6
UniRef90_M5BTQ2
UniRef90_Q7NUN4
UniRef90_UPI000466A9F7
UniRef90_A6WC11
UniRef90_UPI000350C9C9
UniRef90_UPI0004033E1E
UniRef90_UPI000367E768
UniRef90_UPI000361ED82
UniRef90_F0L2N4
UniRef90_G7H632
UniRef90_B9WJ28
UniRef90_Q8RBT0
UniRef90_UPI00038102A6
UniRef90_A0A016QNE6
UniRef90_D2QP46
UniRef90_UPI0003B34F5F
UniRef90_UPI00036EC778
UniRef90_K3X363
UniRef90_K7T624
UniRef90_C2CNV7
UniRef90_W4BE38
UniRef90_A0A023S1D4
UniRef90_M2U4T0
UniRef90_Q8GPH2
UniRef90_UPI000372416C
UniRef90_W4DEF0
UniRef90_U1ERR6
UniRef90_I4WSI9
UniRef90_V4AVM9
UniRef90_C5R9U5
UniRef90_L7WTN9
UniRef90_D8G298
UniRef90_UPI0003124E09
UniRef90_Q7NZJ1
UniRef90_UPI00036E1EAF
UniRef90_UPI0003B6EE39
UniRef90_UPI000420975A
UniRef90_UPI000312427F
UniRef90_I4ETD1
UniRef90_M4K152
UniRef90_A0A011TE78
UniRef90_U4V700
UniRef90_W8WVW3
UniRef90_A5FHN5

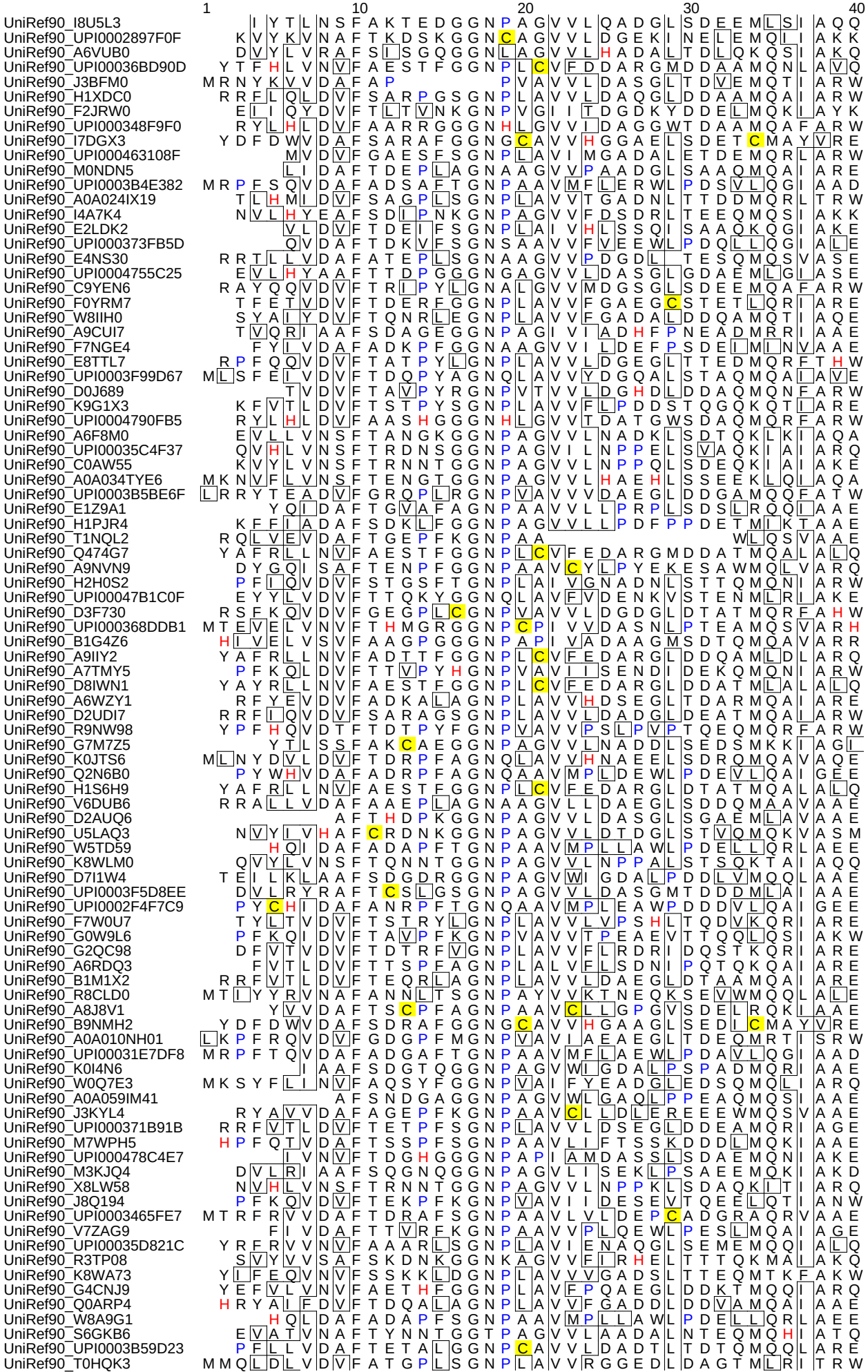
UniRef90_A7N4F3 S T Q L E
UniRef90_F8I285 P P T F G P I
UniRef90_UPI0003B4BEFD
UniRef90_Q12Q86
UniRef90_UPI00038122DA V A P L T S V
UniRef90_UPI000248E5FB K Y A I E Q V
UniRef90_UPI000469D0D8 G P V
UniRef90_G7GP42 A P P L I R T G
UniRef90_UPI000479C57A C F P P Q P L
UniRef90_UPI000262755B A A G F G P
UniRef90_UPI00031911FB P A R V T P L
UniRef90_U1Q8J7 R P E V E T L
UniRef90_Q9CKV2
UniRef90_W1IL12 N P I I S S
UniRef90_UPI000237B3AF V D R A E P V
UniRef90_UPI000378F53C A S P P T E I
UniRef90_UPI00046A585D E P Q E T E
UniRef90_J8GFD2 E P N F G S
UniRef90_E9US18
UniRef90_K6VJF0
UniRef90_UPI000362DAD3 L P E Y G P
UniRef90_F9S0F3 A P E
UniRef90_G0LHL1 S P T V A S I
UniRef90_E1V4B0
UniRef90_U2ZH75 A A Q I
UniRef90_M1JUX6 A W Q A Q P V
UniRef90_E8RS67
UniRef90_G0PQE9 T S P L T E
UniRef90_M5QL91
UniRef90_X0QWJ6
UniRef90_V7BI68 A D P V T D F
UniRef90_W0AMY0 P P L L R A
UniRef90_T1BE30 P P P L G
UniRef90_I2ERV9
UniRef90_A0A059MH32
UniRef90_B7CHU4
UniRef90_UPI000475EC96 P P I F S
UniRef90_UPI0002DE8204 A P K F
UniRef90_U1KN76 N Q Q P E P V
UniRef90_J2VV38
UniRef90_W0LD87 A W E T K P V
UniRef90_H8GNS8
UniRef90_G2M080
UniRef90_D2QYM5 L
UniRef90_D7A2E2
UniRef90_K7RUN3 P P T L R P L G
UniRef90_D3PXA1 P P S S E E L
UniRef90_N9BCH6 I
UniRef90_M5BTQ2
UniRef90_Q7NUN4
UniRef90_UPI000466A9F7
UniRef90_A6WC11 E P A V R D L
UniRef90_UPI000350C9C9 A I D F V E
UniRef90_UPI0004033E1E L H D T E P
UniRef90_UPI000367E768
UniRef90_UPI000361ED82 E A V F G A
UniRef90_F0L2N4
UniRef90_G7H632 A P P L R R T G
UniRef90_B9WJ28
UniRef90_Q8RBT0 A P Q
UniRef90_UPI00038102A6 Q P T F G
UniRef90_A0A016QNE6 G L E T R P V
UniRef90_D2QP46 Q P T F G
UniRef90_UPI0003B34F5F
UniRef90_UPI00036EC778
UniRef90_K3X363 L I S L H P V
UniRef90_K7T624
UniRef90_C2CNV7 T P E L Q R S G
UniRef90_W4BE38 L P E F G E I
UniRef90_A0A023S1D4 R V E F
UniRef90_M2U4T0 A
UniRef90_Q8GPH2 L A R T V P F
UniRef90_UPI000372416C
UniRef90_W4DEF0 H P E F I E F
UniRef90_U1ERR6 E P K I S E L
UniRef90_I4WSI9 P A T L R N V
UniRef90_V4AVM9 T G V T E P
UniRef90_C5R9U5
UniRef90_L7WTN9 E P K V S Q I
UniRef90_D8G298 P P T F
UniRef90_UPI0003124E09 A P P T T R T G
UniRef90_Q7NZJ1
UniRef90_UPI00036E1EAF P Y A L V P S G
UniRef90_UPI0003B6EE39
UniRef90_UPI000420975A Q P E F R E
UniRef90_UPI000312427F T P
UniRef90_I4ETD1
UniRef90_M4K152
UniRef90_A0A011TE78
UniRef90_U4V700 A P D F G P
UniRef90_W8WVW3 L A R S G P V
UniRef90_A5FHN5 Q P K F

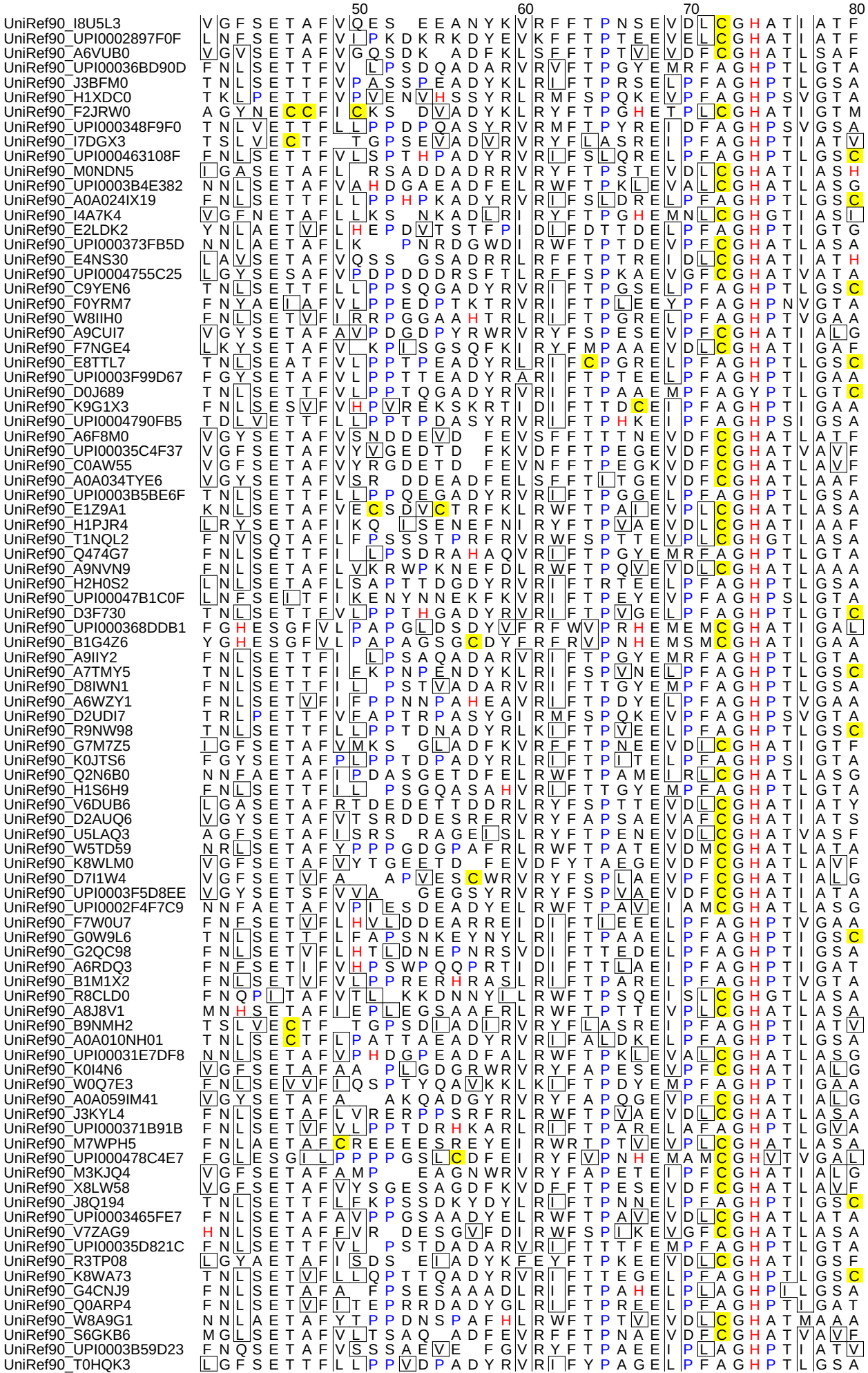

1
10
20
30
40
UniRef90_W0LC30
UniRef90_W2ER61
UniRef90_C3ME20
UniRef90_UPI0002E1EE9A
UniRef90_I3TMG5
UniRef90_H8GBE1
UniRef90_L9UCM2
UniRef90_UPI00045E99FD
UniRef90_A0A031J746
UniRef90_H0WHM1
UniRef90_UPI00047D36AB
UniRef90_J9S4J2
UniRef90_D9T8V8
UniRef90_G2IX90
UniRef90_A0A024E714
UniRef90_Q2W2C5
UniRef90_U2YSK4
UniRef90_E8WEB0
UniRef90_L0KML2
UniRef90_A0A059KSF2
UniRef90_UPI00047BDDA3
UniRef90_UPI0001FFE5C8
UniRef90_UPI0003B38DE9
UniRef90_M4XUP4
UniRef90_V8CTL5
UniRef90_UPI0003A7E353
UniRef90_Q60DE1
UniRef90_B9LV26
UniRef90_A8PVI8
UniRef90_UPI000377E040
UniRef90_W8VWI2
UniRef90_A6WFE8
UniRef90_X5DMP7
UniRef90_UPI0002D6E955
UniRef90_W7PU84
UniRef90_K8NYV2
UniRef90_B9JXM2
UniRef90_W5D5H4
UniRef90_UPI0003A4E99C
UniRef90_I4YVR8
UniRef90_UPI000467DBFA
UniRef90_K2MFE8
UniRef90_K0HXW4
UniRef90_I1D285
UniRef90_A0A021W3X9
UniRef90_E4XNR0
UniRef90_UPI0003B506E1
UniRef90_K1E5B8
UniRef90_UPI0002EC5352
UniRef90_UPI0001D2E044
UniRef90_D6TVN6
UniRef90_UPI00016A61CC
UniRef90_UPI0003672CA9
UniRef90_UPI00035DC7E8
UniRef90_UPI0003785D32
UniRef90_UPI000369AC86
UniRef90_Q1QAM5
UniRef90_K8WQY1
UniRef90_UPI00041361CE
UniRef90_UPI000376DEEF
UniRef90_UPI000371D99F
UniRef90_C5T4W0
UniRef90_S2YH27
UniRef90_F3NTE4
UniRef90_B8AC77
UniRef90_UPI00047EC1DF
UniRef90_B7VSS0
UniRef90_UPI000465CDD6
UniRef90_UPI00036835B3
UniRef90_B1ZDN0
UniRef90_H7FRK2
UniRef90_C5P3U6
UniRef90_I0HKP7
UniRef90_B9R0E1
UniRef90_U7M289
UniRef90_UPI000477FE27
UniRef90_W2BY17
UniRef90_UPI00037F9810
UniRef90_K0EXN3
UniRef90_UPI000408D7B4
UniRef90_UPI0003B6DE6D
UniRef90_UPI00036AB0C1
UniRef90_UPI00036E9646
UniRef90_B8KZH1
UniRef90_S3NNA1
UniRef90_A5WEL9
UniRef90_D7N8D3
UniRef90_M5TPC8
UniRef90_A7HKB6
UniRef90_U7KPB4
UniRef90_UPI0003741354
UniRef90_A3X7Q8

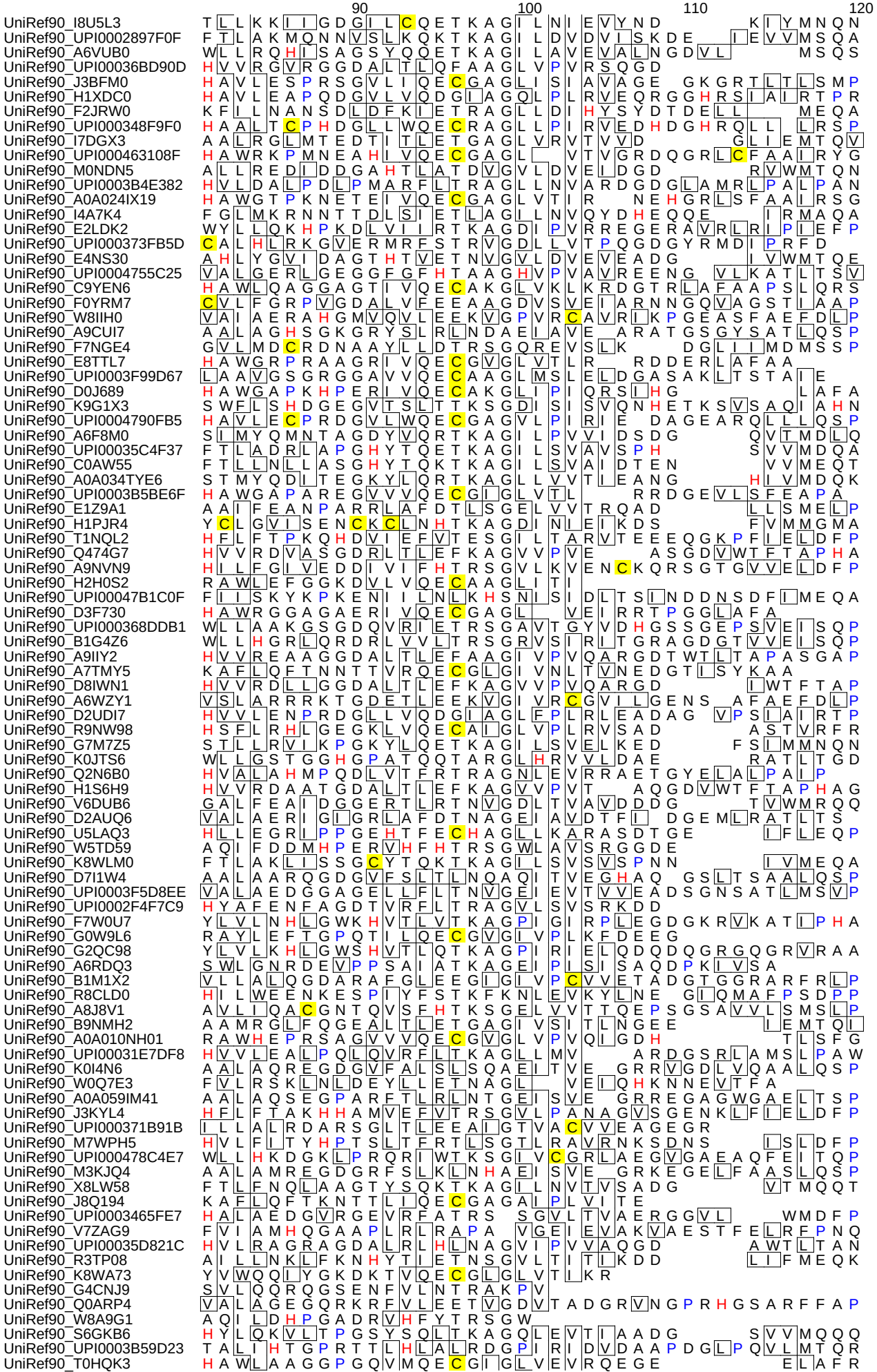

50
60
70
80
UniRef90_W0LC30
UniRef90_W2ER61
UniRef90_C3ME20
UniRef90_UPI0002E1EE9A
UniRef90_I3TMG5
UniRef90_H8GBE1
UniRef90_L9UCM2
UniRef90_UPI00045E99FD
UniRef90_A0A031J746
UniRef90_H0WHM1
UniRef90_UPI00047D36AB
UniRef90_J9S4J2
UniRef90_D9T8V8
UniRef90_G2IX90
UniRef90_A0A024E714
UniRef90_Q2W2C5
UniRef90_U2YSK4
UniRef90_E8WEB0
UniRef90_L0KML2
UniRef90_A0A059KSF2
UniRef90_UPI00047BDDA3
UniRef90_UPI0001FFE5C8
UniRef90_UPI0003B38DE9
UniRef90_M4XUP4
UniRef90_V8CTL5
UniRef90_UPI0003A7E353
UniRef90_Q60DE1
UniRef90_B9LV26
UniRef90_A8PVI8
UniRef90_UPI000377E040
UniRef90_W8VWI2
UniRef90_A6WFE8
UniRef90_X5DMP7
UniRef90_UPI0002D6E955
UniRef90_W7PU84
UniRef90_K8NYV2
UniRef90_B9JXM2
UniRef90_W5D5H4
UniRef90_UPI0003A4E99C
UniRef90_I4YVR8
UniRef90_UPI000467DBFA
UniRef90_K2MFE8
UniRef90_K0HXW4
UniRef90_I1D285
UniRef90_A0A021W3X9
UniRef90_E4XNR0
UniRef90_UPI0003B506E1
UniRef90_K1E5B8
UniRef90_UPI0002EC5352
UniRef90_UPI0001D2E044
UniRef90_D6TVN6
UniRef90_UPI00016A61CC
UniRef90_UPI0003672CA9
UniRef90_UPI00035DC7E8
UniRef90_UPI0003785D32
UniRef90_UPI000369AC86
UniRef90_Q1QAM5
UniRef90_K8WQY1
UniRef90_UPI00041361CE
UniRef90_UPI000376DEEF
UniRef90_UPI000371D99F
UniRef90_C5T4W0
UniRef90_S2YH27
UniRef90_F3NTE4
UniRef90_B8AC77
UniRef90_UPI00047EC1DF
UniRef90_B7VSS0
UniRef90_UPI000465CDD6
UniRef90_UPI00036835B3
UniRef90_B1ZDN0
UniRef90_H7FRK2
UniRef90_C5P3U6
UniRef90_I0HKP7
UniRef90_B9R0E1
UniRef90_U7M289
UniRef90_UPI000477FE27
UniRef90_W2BY17
UniRef90_UPI00037F9810
UniRef90_K0EXN3
UniRef90_UPI000408D7B4
UniRef90_UPI0003B6DE6D
UniRef90_UPI00036AB0C1
UniRef90_UPI00036E9646
UniRef90_B8KZH1
UniRef90_S3NNA1
UniRef90_A5WEL9
UniRef90_D7N8D3
UniRef90_M5TPC8
UniRef90_A7HKB6
UniRef90_U7KPB4
UniRef90_UPI0003741354
UniRef90_A3X7Q8


90
100
110
120
UniRef90_W0LC30
UniRef90_W2ER61
UniRef90_C3ME20
UniRef90_UPI0002E1EE9A
UniRef90_I3TMG5
UniRef90_H8GBE1
UniRef90_L9UCM2
UniRef90_UPI00045E99FD
UniRef90_A0A031J746
UniRef90_H0WHM1
UniRef90_UPI00047D36AB
UniRef90_J9S4J2
UniRef90_D9T8V8
UniRef90_G2IX90
UniRef90_A0A024E714
UniRef90_Q2W2C5
UniRef90_U2YSK4
UniRef90_E8WEB0
UniRef90_L0KML2
UniRef90_A0A059KSF2
UniRef90_UPI00047BDDA3
UniRef90_UPI0001FFE5C8
UniRef90_UPI0003B38DE9
UniRef90_M4XUP4
UniRef90_V8CTL5
UniRef90_UPI0003A7E353
UniRef90_Q60DE1
UniRef90_B9LV26
UniRef90_A8PVI8
UniRef90_UPI000377E040
UniRef90_W8VWI2
UniRef90_A6WFE8
UniRef90_X5DMP7
UniRef90_UPI0002D6E955
UniRef90_W7PU84
UniRef90_K8NYV2
UniRef90_B9JXM2
UniRef90_W5D5H4
UniRef90_UPI0003A4E99C
UniRef90_I4YVR8
UniRef90_UPI000467DBFA
UniRef90_K2MFE8
UniRef90_K0HXW4
UniRef90_I1D285
UniRef90_A0A021W3X9
UniRef90_E4XNR0
UniRef90_UPI0003B506E1
UniRef90_K1E5B8
UniRef90_UPI0002EC5352
UniRef90_UPI0001D2E044
UniRef90_D6TVN6
UniRef90_UPI00016A61CC
UniRef90_UPI0003672CA9
UniRef90_UPI00035DC7E8
UniRef90_UPI0003785D32
UniRef90_UPI000369AC86
UniRef90_Q1QAM5
UniRef90_K8WQY1
UniRef90_UPI00041361CE
UniRef90_UPI000376DEEF
UniRef90_UPI000371D99F
UniRef90_C5T4W0
UniRef90_S2YH27
UniRef90_F3NTE4
UniRef90_B8AC77
UniRef90_UPI00047EC1DF
UniRef90_B7VSS0
UniRef90_UPI000465CDD6
UniRef90_UPI00036835B3
UniRef90_B1ZDN0
UniRef90_H7FRK2
UniRef90_C5P3U6
UniRef90_I0HKP7
UniRef90_B9R0E1
UniRef90_U7M289
UniRef90_UPI000477FE27
UniRef90_W2BY17
UniRef90_UPI00037F9810
UniRef90_K0EXN3
UniRef90_UPI000408D7B4
UniRef90_UPI0003B6DE6D
UniRef90_UPI00036AB0C1
UniRef90_UPI00036E9646
UniRef90_B8KZH1
UniRef90_S3NNA1
UniRef90_A5WEL9
UniRef90_D7N8D3
UniRef90_M5TPC8
UniRef90_A7HKB6
UniRef90_U7KPB4
UniRef90_UPI0003741354
UniRef90_A3X7Q8

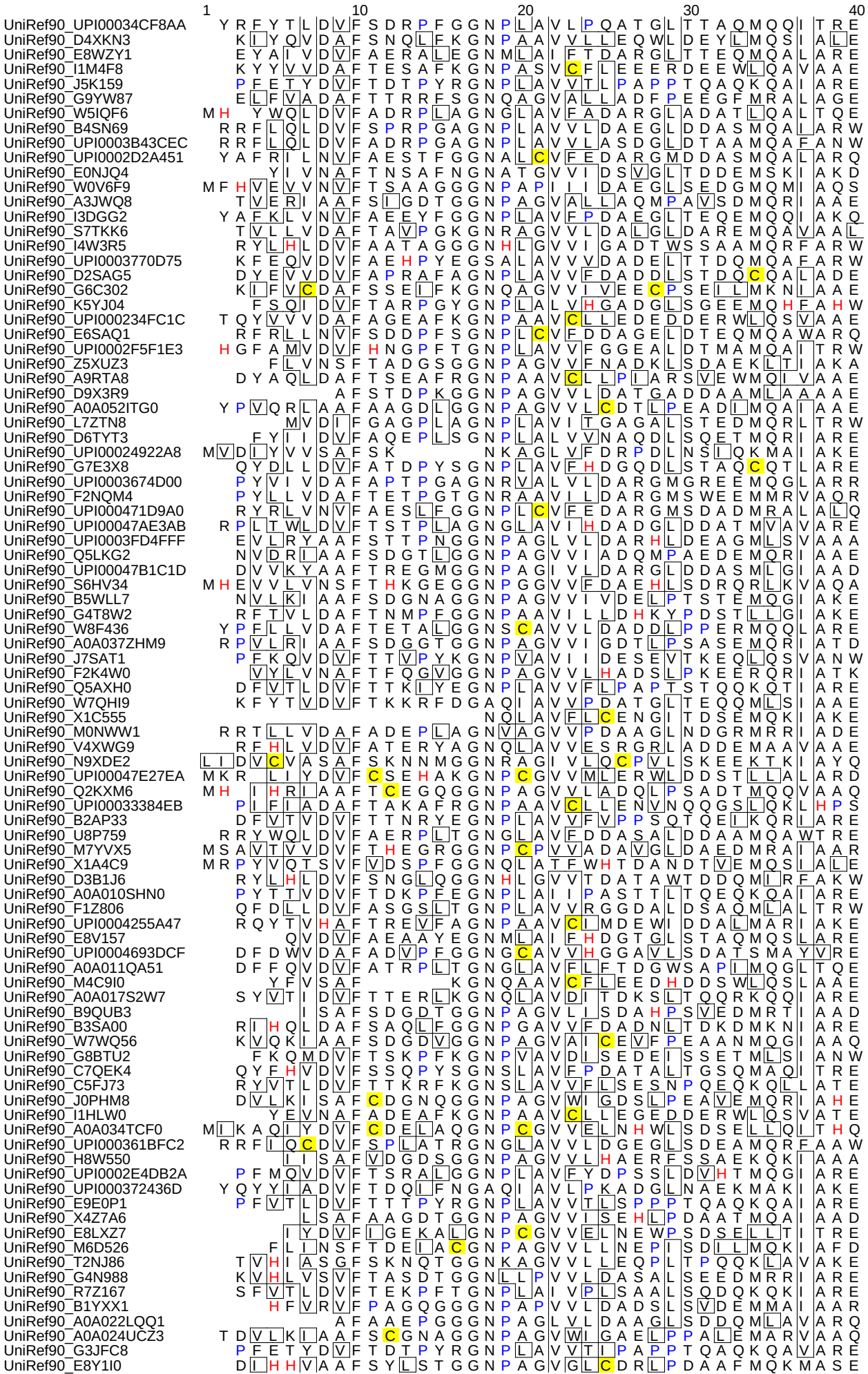
UniRef90_W0LC30 P P Q
UniRef90_W2ER61 T P H S I A I
UniRef90_C3ME20
UniRef90_UPI0002E1EE9A R A H L V E V
UniRef90_I3TMG5
UniRef90_H8GBE1
UniRef90_L9UCM2 A
UniRef90_UPI00045E99FD
UniRef90_A0A031J746
UniRef90_H0WHM1 L P T Y
UniRef90_UPI00047D36AB P T S H S K I
UniRef90_J9S4J2 A P P L R R S G
UniRef90_D9T8V8 T P T L G P
UniRef90_G2IX90 T A R P S G L G
UniRef90_A0A024E714 A P P L I K T G
UniRef90_Q2W2C5 A N P P R P
UniRef90_U2YSK4 D P T I R
UniRef90_E8WEB0 E P
UniRef90_L0KML2 E P
UniRef90_A0A059KSF2 P
UniRef90_UPI00047BDDA3 R P Q F
UniRef90_UPI0001FFE5C8
UniRef90_UPI0003B38DE9 L P K
UniRef90_M4XUP4
UniRef90_V8CTL5
UniRef90_UPI0003A7E353 A P P L
UniRef90_Q60DE1 L
UniRef90_B9LV26 P P T
UniRef90_A8PVI8 E P
UniRef90_UPI000377E040 E P V L R A L
UniRef90_W8VWI2
UniRef90_A6WFE8 A P P L T
UniRef90_X5DMP7 A P V P T K V
UniRef90_UPI0002D6E955 T A A P V P V
UniRef90_W7PU84 P P E Y R P
UniRef90_K8NYV2 A P P L R R T G
UniRef90_B9JXM2
UniRef90_W5D5H4
UniRef90_UPI0003A4E99C
UniRef90_I4YVR8
UniRef90_UPI000467DBFA A
UniRef90_K2MFE8 L P E P V A F G
UniRef90_K0HXW4 S P A L V P L
UniRef90_I1D285 A T T S R P
UniRef90_A0A021W3X9
UniRef90_E4XNR0 A P V
UniRef90_UPI0003B506E1 E L D V R P L
UniRef90_K1E5B8
UniRef90_UPI0002EC5352
UniRef90_UPI0001D2E044
UniRef90_D6TVN6 A P E E Q A
UniRef90_UPI00016A61CC
UniRef90_UPI0003672CA9 A P P
UniRef90_UPI00035DC7E8
UniRef90_UPI0003785D32 A P A R T A
UniRef90_UPI000369AC86 L P Q F
UniRef90_Q1QAM5
UniRef90_K8WQY1
UniRef90_UPI00041361CE P T H S A
UniRef90_UPI000376DEEF A P R T E
UniRef90_UPI000371D99F A P P L
UniRef90_C5T4W0 G P
UniRef90_S2YH27
UniRef90_F3NTE4 T A P L T E
UniRef90_B8AC77
UniRef90_UPI00047EC1DF D P V F G P
UniRef90_B7VSS0
UniRef90_UPI000465CDD6 L P T F
UniRef90_UPI00036835B3
UniRef90_B1ZDN0 V P T Y
UniRef90_H7FRK2 Q P S F L D V
UniRef90_C5P3U6
UniRef90_I0HKP7
UniRef90_B9R0E1
UniRef90_U7M289 T P P L R A S G
UniRef90_UPI000477FE27 E P H T E E V G
UniRef90_W2BY17 E P R
UniRef90_UPI00037F9810
UniRef90_K0EXN3 A
UniRef90_UPI000408D7B4 E P Q I R G L
UniRef90_UPI0003B6DE6D
UniRef90_UPI00036AB0C1
UniRef90_UPI00036E9646 L P S F L E I
UniRef90_B8KZH1 P A Q
UniRef90_S3NNA1 P P T L V E
UniRef90_A5WEL9
UniRef90_D7N8D3
UniRef90_M5TPC8 S P P A R Q L
UniRef90_A7HKB6 E P A M G D I
UniRef90_U7KPB4 E P
UniRef90_UPI0003741354 V Y D T E E I
UniRef90_A3X7Q8 P T K S T A I

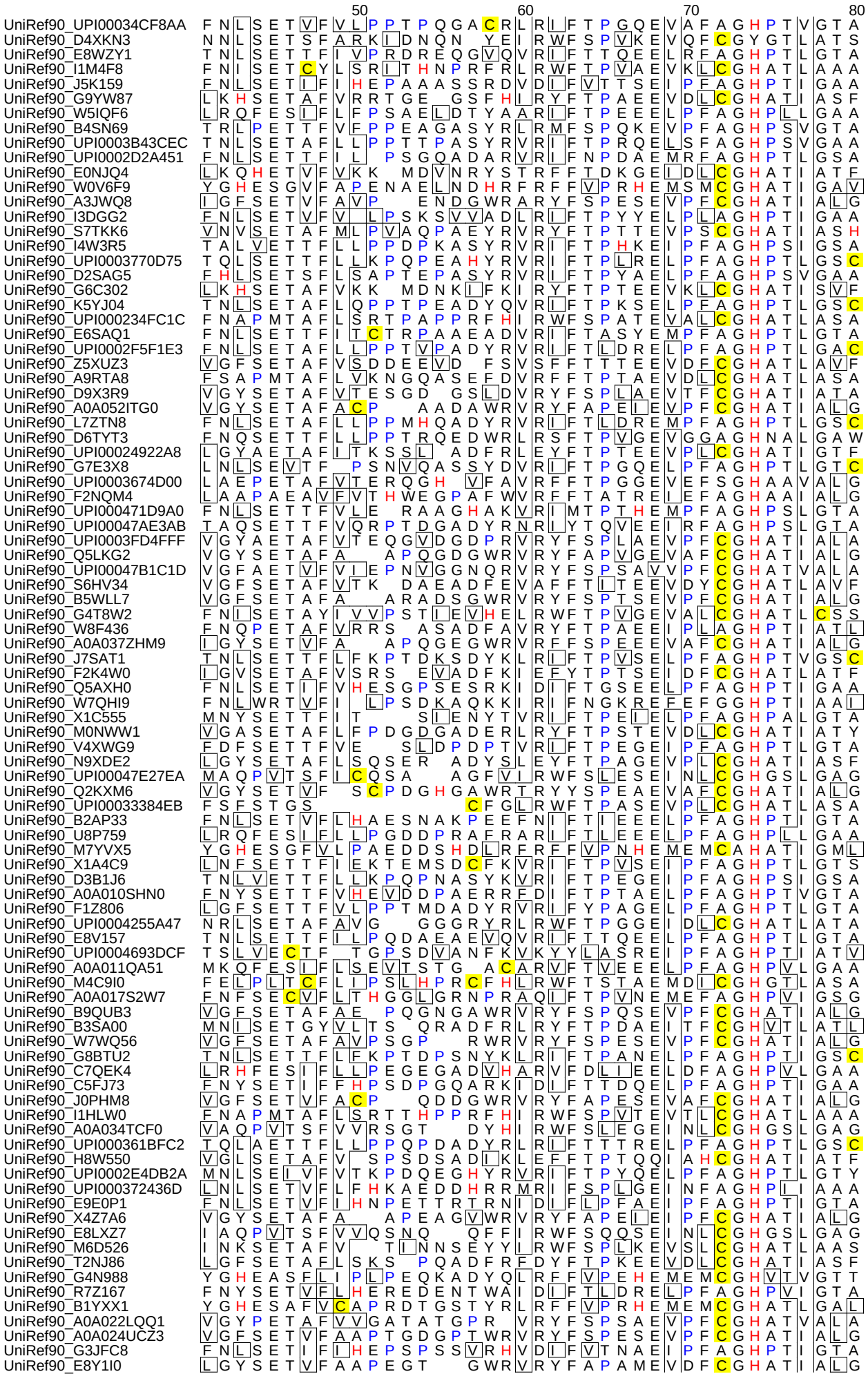

1
10
20
30
40
UniRef90_I8U5L3
UniRef90_UPI0002897F0F
UniRef90_A6VUB0
UniRef90_UPI00036BD90D
UniRef90_J3BFM0
UniRef90_H1XDC0
UniRef90_F2JRW0
UniRef90_UPI000348F9F0
UniRef90_I7DGX3
UniRef90_UPI000463108F
UniRef90_M0NDN5
UniRef90_UPI0003B4E382
UniRef90_A0A024IX19
UniRef90_I4A7K4
UniRef90_E2LDK2
UniRef90_UPI000373FB5D
UniRef90_E4NS30
UniRef90_UPI0004755C25
UniRef90_C9YEN6
UniRef90_F0YRM7
UniRef90_W8IIH0
UniRef90_A9CUI7
UniRef90_F7NGE4
UniRef90_E8TTL7
UniRef90_UPI0003F99D67
UniRef90_D0J689
UniRef90_K9G1X3
UniRef90_UPI0004790FB5
UniRef90_A6F8M0
UniRef90_UPI00035C4F37
UniRef90_C0AW55
UniRef90_A0A034TYE6
UniRef90_UPI0003B5BE6F
UniRef90_E1Z9A1
UniRef90_H1PJR4
UniRef90_T1NQL2
UniRef90_Q474G7
UniRef90_A9NVN9
UniRef90_H2H0S2
UniRef90_UPI00047B1C0F
UniRef90_D3F730
UniRef90_UPI000368DDB1
UniRef90_B1G4Z6
UniRef90_A9IIY2
UniRef90_A7TMY5
UniRef90_D8IWN1
UniRef90_A6WZY1
UniRef90_D2UDI7
UniRef90_R9NW98
UniRef90_G7M7Z5
UniRef90_K0JTS6
UniRef90_Q2N6B0
UniRef90_H1S6H9
UniRef90_V6DUB6
UniRef90_D2AUQ6
UniRef90_U5LAQ3
UniRef90_W5TD59
UniRef90_K8WLM0
UniRef90_D7I1W4
UniRef90_UPI0003F5D8EE
UniRef90_UPI0002F4F7C9
UniRef90_F7W0U7
UniRef90_G0W9L6
UniRef90_G2QC98
UniRef90_A6RDQ3
UniRef90_B1M1X2
UniRef90_R8CLD0
UniRef90_A8J8V1
UniRef90_B9NMH2
UniRef90_A0A010NH01
UniRef90_UPI00031E7DF8
UniRef90_K0I4N6
UniRef90_W0Q7E3
UniRef90_A0A059IM41
UniRef90_J3KYL4
UniRef90_UPI000371B91B
UniRef90_M7WPH5
UniRef90_UPI000478C4E7
UniRef90_M3KJQ4
UniRef90_X8LW58
UniRef90_J8Q194
UniRef90_UPI0003465FE7
UniRef90_V7ZAG9
UniRef90_UPI00035D821C
UniRef90_R3TP08
UniRef90_K8WA73
UniRef90_G4CNJ9
UniRef90_Q0ARP4
UniRef90_W8A9G1
UniRef90_S6GKB6
UniRef90_UPI0003B59D23
UniRef90_T0HQK3

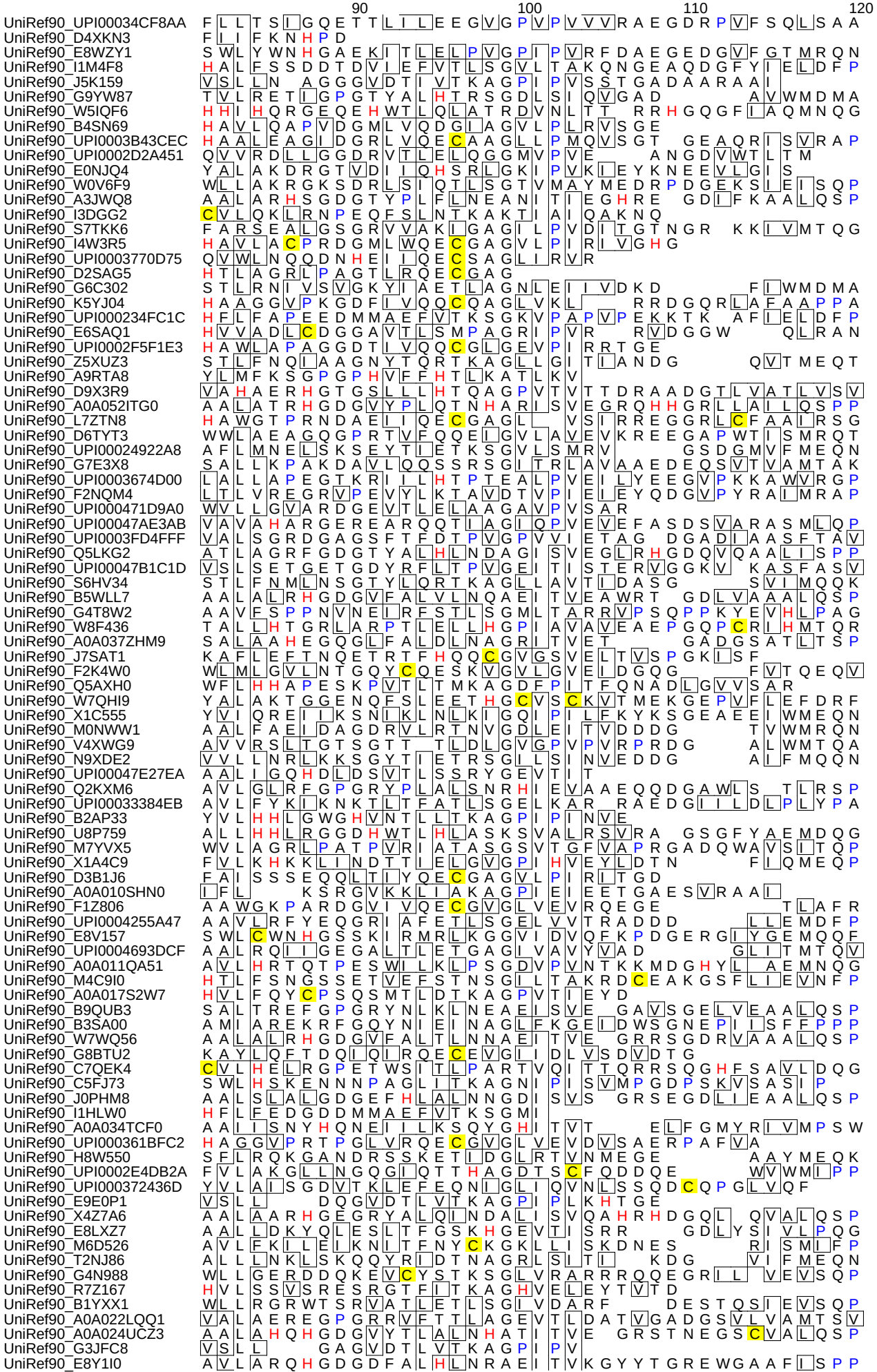

50
60
70
80
UniRef90_I8U5L3
UniRef90_UPI0002897F0F
UniRef90_A6VUB0
UniRef90_UPI00036BD90D
UniRef90_J3BFM0
UniRef90_H1XDC0
UniRef90_F2JRW0
UniRef90_UPI000348F9F0
UniRef90_I7DGX3
UniRef90_UPI000463108F
UniRef90_M0NDN5
UniRef90_UPI0003B4E382
UniRef90_A0A024IX19
UniRef90_I4A7K4
UniRef90_E2LDK2
UniRef90_UPI000373FB5D
UniRef90_E4NS30
UniRef90_UPI0004755C25
UniRef90_C9YEN6
UniRef90_F0YRM7
UniRef90_W8IIH0
UniRef90_A9CUI7
UniRef90_F7NGE4
UniRef90_E8TTL7
UniRef90_UPI0003F99D67
UniRef90_D0J689
UniRef90_K9G1X3
UniRef90_UPI0004790FB5
UniRef90_A6F8M0
UniRef90_UPI00035C4F37
UniRef90_C0AW55
UniRef90_A0A034TYE6
UniRef90_UPI0003B5BE6F
UniRef90_E1Z9A1
UniRef90_H1PJR4
UniRef90_T1NQL2
UniRef90_Q474G7
UniRef90_A9NVN9
UniRef90_H2H0S2
UniRef90_UPI00047B1C0F
UniRef90_D3F730
UniRef90_UPI000368DDB1
UniRef90_B1G4Z6
UniRef90_A9IIY2
UniRef90_A7TMY5
UniRef90_D8IWN1
UniRef90_A6WZY1
UniRef90_D2UDI7
UniRef90_R9NW98
UniRef90_G7M7Z5
UniRef90_K0JTS6
UniRef90_Q2N6B0
UniRef90_H1S6H9
UniRef90_V6DUB6
UniRef90_D2AUQ6
UniRef90_U5LAQ3
UniRef90_W5TD59
UniRef90_K8WLM0
UniRef90_D7I1W4
UniRef90_UPI0003F5D8EE
UniRef90_UPI0002F4F7C9
UniRef90_F7W0U7
UniRef90_G0W9L6
UniRef90_G2QC98
UniRef90_A6RDQ3
UniRef90_B1M1X2
UniRef90_R8CLD0
UniRef90_A8J8V1
UniRef90_B9NMH2
UniRef90_A0A010NH01
UniRef90_UPI00031E7DF8
UniRef90_K0I4N6
UniRef90_W0Q7E3
UniRef90_A0A059IM41
UniRef90_J3KYL4
UniRef90_UPI000371B91B
UniRef90_M7WPH5
UniRef90_UPI000478C4E7
UniRef90_M3KJQ4
UniRef90_X8LW58
UniRef90_J8Q194
UniRef90_UPI0003465FE7
UniRef90_V7ZAG9
UniRef90_UPI00035D821C
UniRef90_R3TP08
UniRef90_K8WA73
UniRef90_G4CNJ9
UniRef90_Q0ARP4
UniRef90_W8A9G1
UniRef90_S6GKB6
UniRef90_UPI0003B59D23
UniRef90_T0HQK3

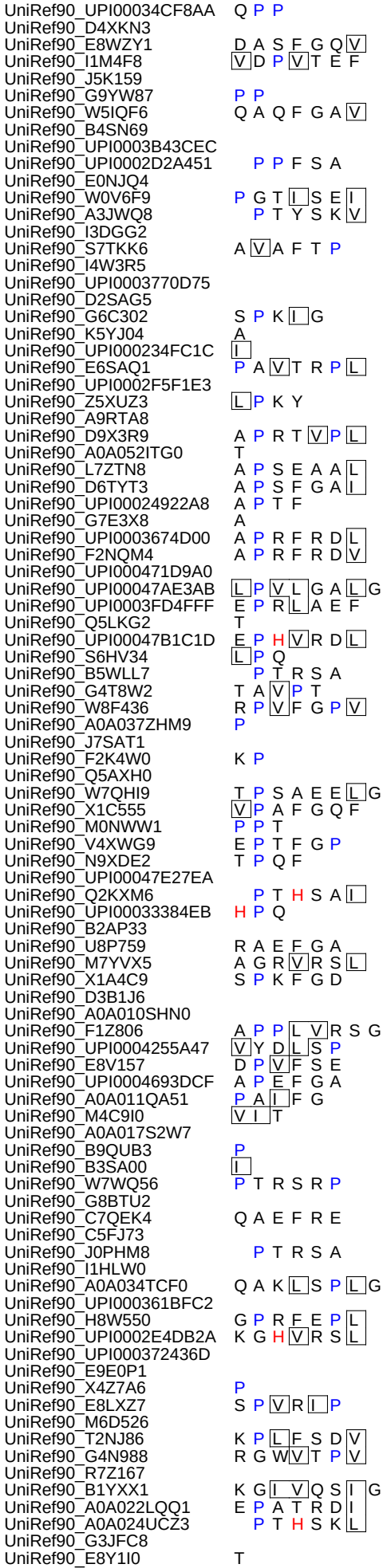

90
100
110
120
UniRef90_I8U5L3
UniRef90_UPI0002897F0F
UniRef90_A6VUB0
UniRef90_UPI00036BD90D
UniRef90_J3BFM0
UniRef90_H1XDC0
UniRef90_F2JRW0
UniRef90_UPI000348F9F0
UniRef90_I7DGX3
UniRef90_UPI000463108F
UniRef90_M0NDN5
UniRef90_UPI0003B4E382
UniRef90_A0A024IX19
UniRef90_I4A7K4
UniRef90_E2LDK2
UniRef90_UPI000373FB5D
UniRef90_E4NS30
UniRef90_UPI0004755C25
UniRef90_C9YEN6
UniRef90_F0YRM7
UniRef90_W8IIH0
UniRef90_A9CUI7
UniRef90_F7NGE4
UniRef90_E8TTL7
UniRef90_UPI0003F99D67
UniRef90_D0J689
UniRef90_K9G1X3
UniRef90_UPI0004790FB5
UniRef90_A6F8M0
UniRef90_UPI00035C4F37
UniRef90_C0AW55
UniRef90_A0A034TYE6
UniRef90_UPI0003B5BE6F
UniRef90_E1Z9A1
UniRef90_H1PJR4
UniRef90_T1NQL2
UniRef90_Q474G7
UniRef90_A9NVN9
UniRef90_H2H0S2
UniRef90_UPI00047B1C0F
UniRef90_D3F730
UniRef90_UPI000368DDB1
UniRef90_B1G4Z6
UniRef90_A9IIY2
UniRef90_A7TMY5
UniRef90_D8IWN1
UniRef90_A6WZY1
UniRef90_D2UDI7
UniRef90_R9NW98
UniRef90_G7M7Z5
UniRef90_K0JTS6
UniRef90_Q2N6B0
UniRef90_H1S6H9
UniRef90_V6DUB6
UniRef90_D2AUQ6
UniRef90_U5LAQ3
UniRef90_W5TD59
UniRef90_K8WLM0
UniRef90_D7I1W4
UniRef90_UPI0003F5D8EE
UniRef90_UPI0002F4F7C9
UniRef90_F7W0U7
UniRef90_G0W9L6
UniRef90_G2QC98
UniRef90_A6RDQ3
UniRef90_B1M1X2
UniRef90_R8CLD0
UniRef90_A8J8V1
UniRef90_B9NMH2
UniRef90_A0A010NH01
UniRef90_UPI00031E7DF8
UniRef90_K0I4N6
UniRef90_W0Q7E3
UniRef90_A0A059IM41
UniRef90_J3KYL4
UniRef90_UPI000371B91B
UniRef90_M7WPH5
UniRef90_UPI000478C4E7
UniRef90_M3KJQ4
UniRef90_X8LW58
UniRef90_J8Q194
UniRef90_UPI0003465FE7
UniRef90_V7ZAG9
UniRef90_UPI00035D821C
UniRef90_R3TP08
UniRef90_K8WA73
UniRef90_G4CNJ9
UniRef90_Q0ARP4
UniRef90_W8A9G1
UniRef90_S6GKB6
UniRef90_UPI0003B59D23
UniRef90_T0HQK3

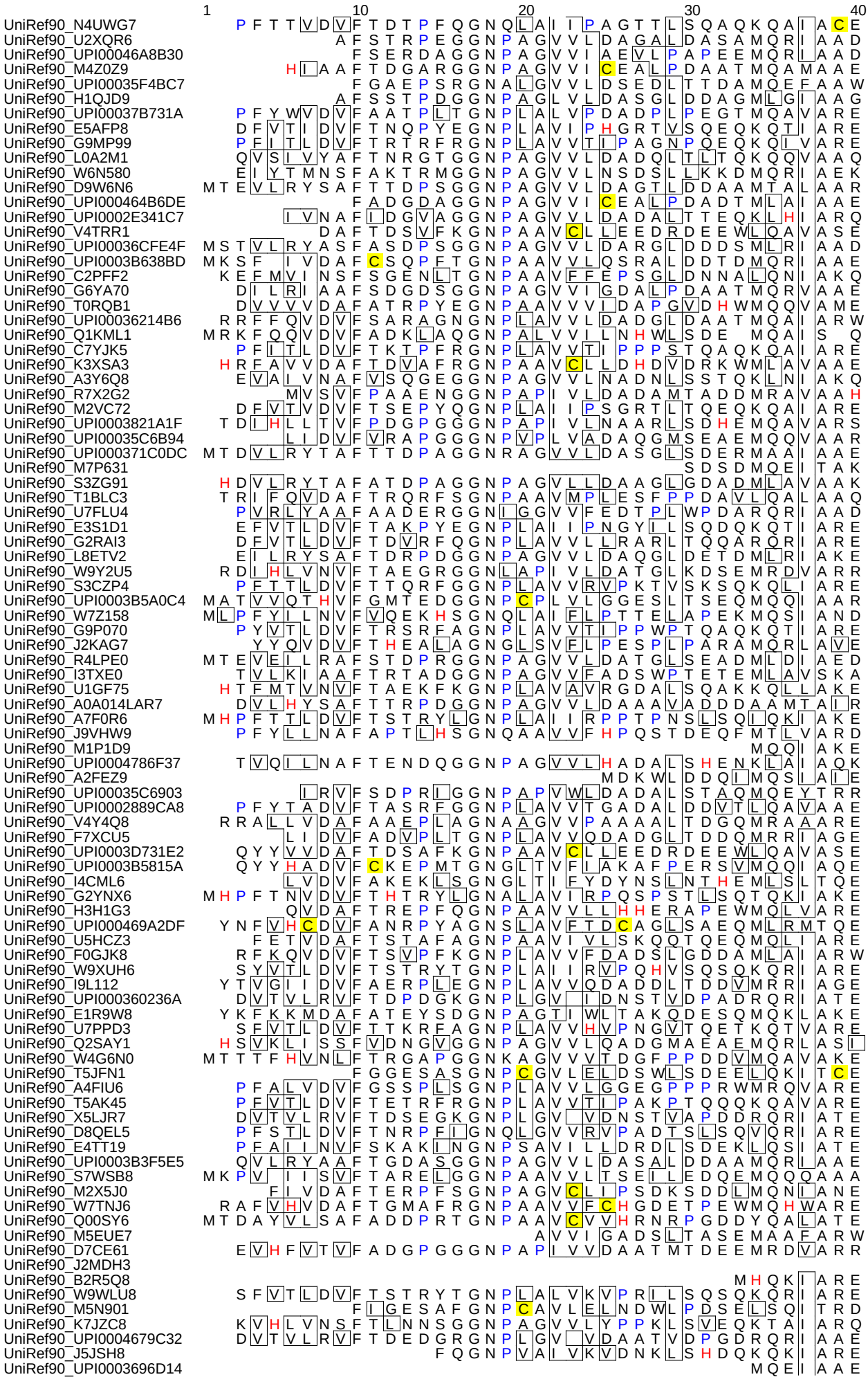
UniRef90_I8U5L3 T P E Y
UniRef90_UPI0002897F0F E P Q F S D
UniRef90_A6VUB0 L P V W S
UniRef90_UPI00036BD90D
UniRef90_J3BFM0 P A K L R T L
UniRef90_H1XDC0 A R V A E Q V G
UniRef90_F2JRW0 N A T F T P F
UniRef90_UPI000348F9F0 A A A V R E S G
UniRef90_I7DGX3 A P E F G A F
UniRef90_UPI000463108F A P S R E E L
UniRef90_M0NDN5 D P E I E T V
UniRef90_UPI0003B4E382 R P V T Q A
UniRef90_A0A024IX19 A P T P A E L
UniRef90_I4A7K4 P A E F K E F
UniRef90_E2LDK2 Q P E L K A
UniRef90_UPI000373FB5D
UniRef90_E4NS30 S P T V E S V
UniRef90_UPI0004755C25 T P R
UniRef90_C9YEN6 T P
UniRef90_F0YRM7 E P
UniRef90_W8IIH0
UniRef90_A9CUI7 P T R S S A V
UniRef90_F7NGE4
UniRef90_E8TTL7
UniRef90_UPI0003F99D67
UniRef90_D0J689 T P A H Q A L
UniRef90_K9G1X3 T R I H T A
UniRef90_UPI0004790FB5 H A T V E K T G
UniRef90_A6F8M0 L P E
UniRef90_UPI00035C4F37 L P V T R
UniRef90_C0AW55 L P V
UniRef90_A0A034TYE6 L P E Y R
UniRef90_UPI0003B5BE6F
UniRef90_E1Z9A1 L I E A T A
UniRef90_H1PJR4 A P K F M H L
UniRef90_T1NQL2 T
UniRef90_Q474G7 G P P
UniRef90_A9NVN9 L
UniRef90_H2H0S2
UniRef90_UPI00047B1C0F E P E F
UniRef90_D3F730
UniRef90_UPI000368DDB1 V
UniRef90_B1G4Z6 A G R I E P L
UniRef90_A9IIY2
UniRef90_A7TMY5
UniRef90_D8IWN1 C P
UniRef90_A6WZY1
UniRef90_D2UDI7 R A Q V A E I
UniRef90_R9NW98 A P D F
UniRef90_G7M7Z5 A P S Y
UniRef90_K0JTS6 A P V V G D
UniRef90_Q2N6B0
UniRef90_H1S6H9 A P K T A P A G
UniRef90_V6DUB6 A P S V E
UniRef90_D2AUQ6 V P T R S A
UniRef90_U5LAQ3 L P K
UniRef90_W5TD59
UniRef90_K8WLM0 L P T L R D
UniRef90_D7I1W4 P T F S
UniRef90_UPI0003F5D8EE P
UniRef90_UPI0002F4F7C9
UniRef90_F7W0U7 V
UniRef90_G0W9L6
UniRef90_G2QC98 I P
UniRef90_A6RDQ3
UniRef90_B1M1X2 V
UniRef90_R8CLD0 A P I H I P
UniRef90_A8J8V1 A
UniRef90_B9NMH2 A P Q F G D
UniRef90_A0A010NH01 A P
UniRef90_UPI00031E7DF8 P A A R P V
UniRef90_K0I4N6 P T R S G P V
UniRef90_W0Q7E3
UniRef90_A0A059IM41 P T R H G P V
UniRef90_J3KYL4 V
UniRef90_UPI000371B91B
UniRef90_M7WPH5 A A S L
UniRef90_UPI000478C4E7 L G K I D A L
UniRef90_M3KJQ4
UniRef90_X8LW58 L P A T R
UniRef90_J8Q194
UniRef90_UPI0003465FE7 A N P P A P V
UniRef90_V7ZAG9 M P S L V P V
UniRef90_UPI00035D821C I P T H R A
UniRef90_R3TP08 K P E F
UniRef90_K8WA73
UniRef90_G4CNJ9
UniRef90_Q0ARP4
UniRef90_W8A9G1
UniRef90_S6GKB6 L P T F
UniRef90_UPI0003B59D23 Q P V F G Q I
UniRef90_T0HQK3 A P P L V R S G

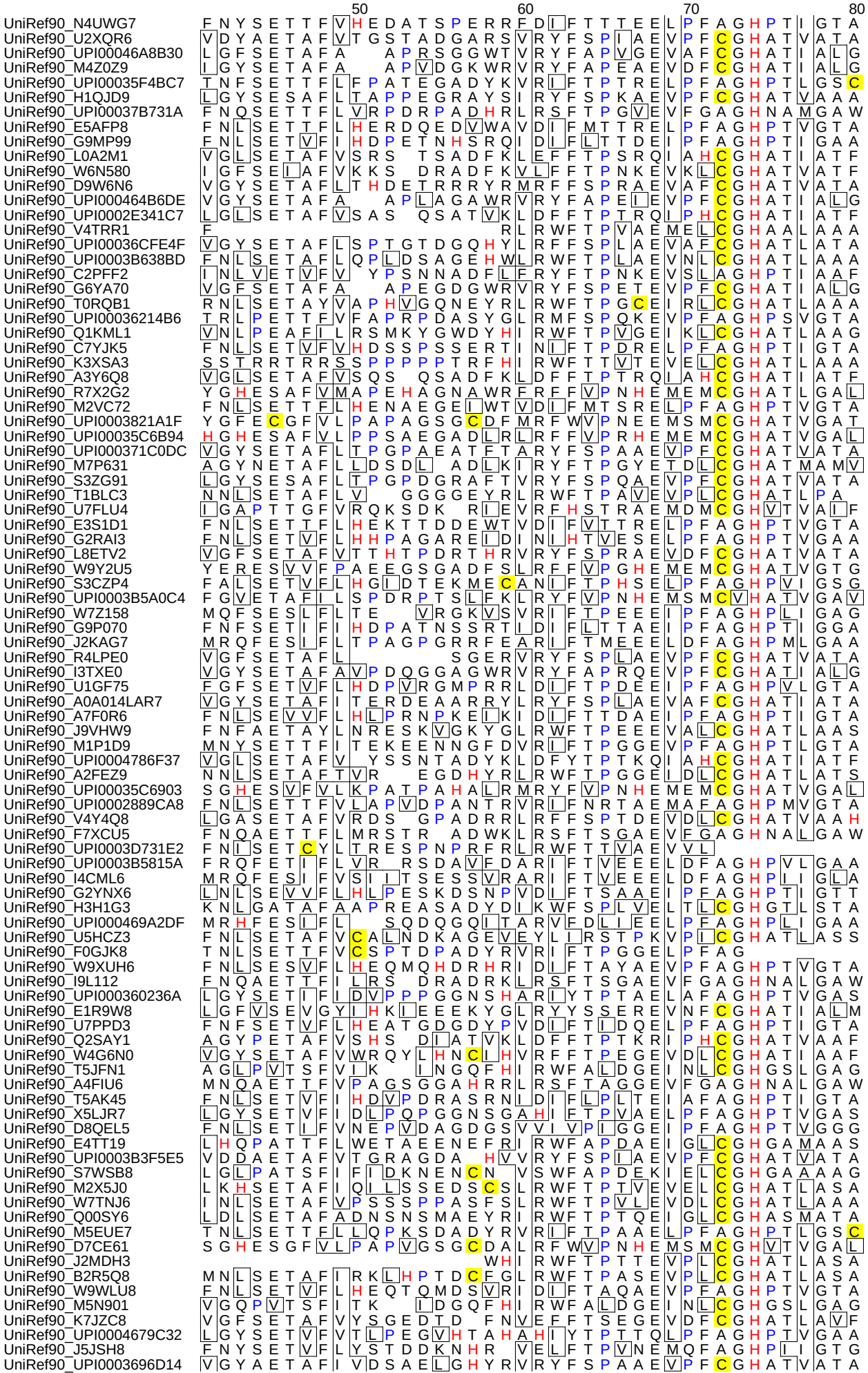

1
10
20
30
40
UniRef90_UPI00034CF8AA
UniRef90_D4XKN3
UniRef90_E8WZY1
UniRef90_I1M4F8
UniRef90_J5K159
UniRef90_G9YW87
UniRef90_W5IQF6
UniRef90_B4SN69
UniRef90_UPI0003B43CEC
UniRef90_UPI0002D2A451
UniRef90_E0NJQ4
UniRef90_W0V6F9
UniRef90_A3JWQ8
UniRef90_I3DGG2
UniRef90_S7TKK6
UniRef90_I4W3R5
UniRef90_UPI0003770D75
UniRef90_D2SAG5
UniRef90_G6C302
UniRef90_K5YJ04
UniRef90_UPI000234FC1C
UniRef90_E6SAQ1
UniRef90_UPI0002F5F1E3
UniRef90_Z5XUZ3
UniRef90_A9RTA8
UniRef90_D9X3R9
UniRef90_A0A052ITG0
UniRef90_L7ZTN8
UniRef90_D6TYT3
UniRef90_UPI00024922A8
UniRef90_G7E3X8
UniRef90_UPI0003674D00
UniRef90_F2NQM4
UniRef90_UPI000471D9A0
UniRef90_UPI00047AE3AB
UniRef90_UPI0003FD4FFF
UniRef90_Q5LKG2
UniRef90_UPI00047B1C1D
UniRef90_S6HV34
UniRef90_B5WLL7
UniRef90_G4T8W2
UniRef90_W8F436
UniRef90_A0A037ZHM9
UniRef90_J7SAT1
UniRef90_F2K4W0
UniRef90_Q5AXH0
UniRef90_W7QHI9
UniRef90_X1C555
UniRef90_M0NWW1
UniRef90_V4XWG9
UniRef90_N9XDE2
UniRef90_UPI00047E27EA
UniRef90_Q2KXM6
UniRef90_UPI00033384EB
UniRef90_B2AP33
UniRef90_U8P759
UniRef90_M7YVX5
UniRef90_X1A4C9
UniRef90_D3B1J6
UniRef90_A0A010SHN0
UniRef90_F1Z806
UniRef90_UPI0004255A47
UniRef90_E8V157
UniRef90_UPI0004693DCF
UniRef90_A0A011QA51
UniRef90_M4C9I0
UniRef90_A0A017S2W7
UniRef90_B9QUB3
UniRef90_B3SA00
UniRef90_W7WQ56
UniRef90_G8BTU2
UniRef90_C7QEK4
UniRef90_C5FJ73
UniRef90_J0PHM8
UniRef90_I1HLW0
UniRef90_A0A034TCF0
UniRef90_UPI000361BFC2
UniRef90_H8W550
UniRef90_UPI0002E4DB2A
UniRef90_UPI000372436D
UniRef90_E9E0P1
UniRef90_X4Z7A6
UniRef90_E8LXZ7
UniRef90_M6D526
UniRef90_T2NJ86
UniRef90_G4N988
UniRef90_R7Z167
UniRef90_B1YXX1
UniRef90_A0A022LQQ1
UniRef90_A0A024UCZ3
UniRef90_G3JFC8
UniRef90_E8Y1I0

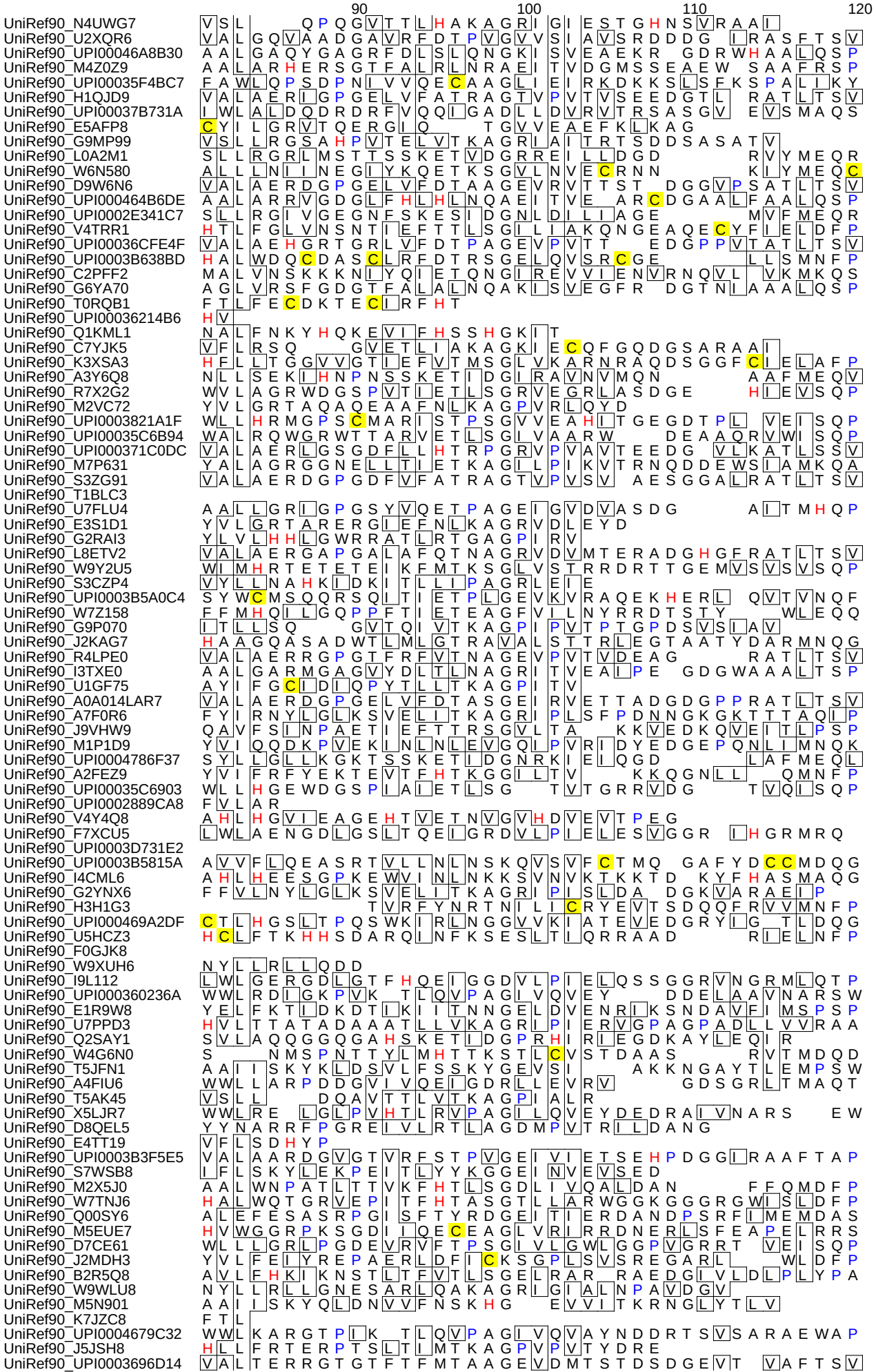

50
60
70
80
UniRef90_UPI00034CF8AA
UniRef90_D4XKN3
UniRef90_E8WZY1
UniRef90_I1M4F8
UniRef90_J5K159
UniRef90_G9YW87
UniRef90_W5IQF6
UniRef90_B4SN69
UniRef90_UPI0003B43CEC
UniRef90_UPI0002D2A451
UniRef90_E0NJQ4
UniRef90_W0V6F9
UniRef90_A3JWQ8
UniRef90_I3DGG2
UniRef90_S7TKK6
UniRef90_I4W3R5
UniRef90_UPI0003770D75
UniRef90_D2SAG5
UniRef90_G6C302
UniRef90_K5YJ04
UniRef90_UPI000234FC1C
UniRef90_E6SAQ1
UniRef90_UPI0002F5F1E3
UniRef90_Z5XUZ3
UniRef90_A9RTA8
UniRef90_D9X3R9
UniRef90_A0A052ITG0
UniRef90_L7ZTN8
UniRef90_D6TYT3
UniRef90_UPI00024922A8
UniRef90_G7E3X8
UniRef90_UPI0003674D00
UniRef90_F2NQM4
UniRef90_UPI000471D9A0
UniRef90_UPI00047AE3AB
UniRef90_UPI0003FD4FFF
UniRef90_Q5LKG2
UniRef90_UPI00047B1C1D
UniRef90_S6HV34
UniRef90_B5WLL7
UniRef90_G4T8W2
UniRef90_W8F436
UniRef90_A0A037ZHM9
UniRef90_J7SAT1
UniRef90_F2K4W0
UniRef90_Q5AXH0
UniRef90_W7QHI9
UniRef90_X1C555
UniRef90_M0NWW1
UniRef90_V4XWG9
UniRef90_N9XDE2
UniRef90_UPI00047E27EA
UniRef90_Q2KXM6
UniRef90_UPI00033384EB
UniRef90_B2AP33
UniRef90_U8P759
UniRef90_M7YVX5
UniRef90_X1A4C9
UniRef90_D3B1J6
UniRef90_A0A010SHN0
UniRef90_F1Z806
UniRef90_UPI0004255A47
UniRef90_E8V157
UniRef90_UPI0004693DCF
UniRef90_A0A011QA51
UniRef90_M4C9I0
UniRef90_A0A017S2W7
UniRef90_B9QUB3
UniRef90_B3SA00
UniRef90_W7WQ56
UniRef90_G8BTU2
UniRef90_C7QEK4
UniRef90_C5FJ73
UniRef90_J0PHM8
UniRef90_I1HLW0
UniRef90_A0A034TCF0
UniRef90_UPI000361BFC2
UniRef90_H8W550
UniRef90_UPI0002E4DB2A
UniRef90_UPI000372436D
UniRef90_E9E0P1
UniRef90_X4Z7A6
UniRef90_E8LXZ7
UniRef90_M6D526
UniRef90_T2NJ86
UniRef90_G4N988
UniRef90_R7Z167
UniRef90_B1YXX1
UniRef90_A0A022LQQ1
UniRef90_A0A024UCZ3
UniRef90_G3JFC8
UniRef90_E8Y1I0


90
100
110
120
UniRef90_UPI00034CF8AA
UniRef90_D4XKN3
UniRef90_E8WZY1
UniRef90_I1M4F8
UniRef90_J5K159
UniRef90_G9YW87
UniRef90_W5IQF6
UniRef90_B4SN69
UniRef90_UPI0003B43CEC
UniRef90_UPI0002D2A451
UniRef90_E0NJQ4
UniRef90_W0V6F9
UniRef90_A3JWQ8
UniRef90_I3DGG2
UniRef90_S7TKK6
UniRef90_I4W3R5
UniRef90_UPI0003770D75
UniRef90_D2SAG5
UniRef90_G6C302
UniRef90_K5YJ04
UniRef90_UPI000234FC1C
UniRef90_E6SAQ1
UniRef90_UPI0002F5F1E3
UniRef90_Z5XUZ3
UniRef90_A9RTA8
UniRef90_D9X3R9
UniRef90_A0A052ITG0
UniRef90_L7ZTN8
UniRef90_D6TYT3
UniRef90_UPI00024922A8
UniRef90_G7E3X8
UniRef90_UPI0003674D00
UniRef90_F2NQM4
UniRef90_UPI000471D9A0
UniRef90_UPI00047AE3AB
UniRef90_UPI0003FD4FFF
UniRef90_Q5LKG2
UniRef90_UPI00047B1C1D
UniRef90_S6HV34
UniRef90_B5WLL7
UniRef90_G4T8W2
UniRef90_W8F436
UniRef90_A0A037ZHM9
UniRef90_J7SAT1
UniRef90_F2K4W0
UniRef90_Q5AXH0
UniRef90_W7QHI9
UniRef90_X1C555
UniRef90_M0NWW1
UniRef90_V4XWG9
UniRef90_N9XDE2
UniRef90_UPI00047E27EA
UniRef90_Q2KXM6
UniRef90_UPI00033384EB
UniRef90_B2AP33
UniRef90_U8P759
UniRef90_M7YVX5
UniRef90_X1A4C9
UniRef90_D3B1J6
UniRef90_A0A010SHN0
UniRef90_F1Z806
UniRef90_UPI0004255A47
UniRef90_E8V157
UniRef90_UPI0004693DCF
UniRef90_A0A011QA51
UniRef90_M4C9I0
UniRef90_A0A017S2W7
UniRef90_B9QUB3
UniRef90_B3SA00
UniRef90_W7WQ56
UniRef90_G8BTU2
UniRef90_C7QEK4
UniRef90_C5FJ73
UniRef90_J0PHM8
UniRef90_I1HLW0
UniRef90_A0A034TCF0
UniRef90_UPI000361BFC2
UniRef90_H8W550
UniRef90_UPI0002E4DB2A
UniRef90_UPI000372436D
UniRef90_E9E0P1
UniRef90_X4Z7A6
UniRef90_E8LXZ7
UniRef90_M6D526
UniRef90_T2NJ86
UniRef90_G4N988
UniRef90_R7Z167
UniRef90_B1YXX1
UniRef90_A0A022LQQ1
UniRef90_A0A024UCZ3
UniRef90_G3JFC8
UniRef90_E8Y1I0

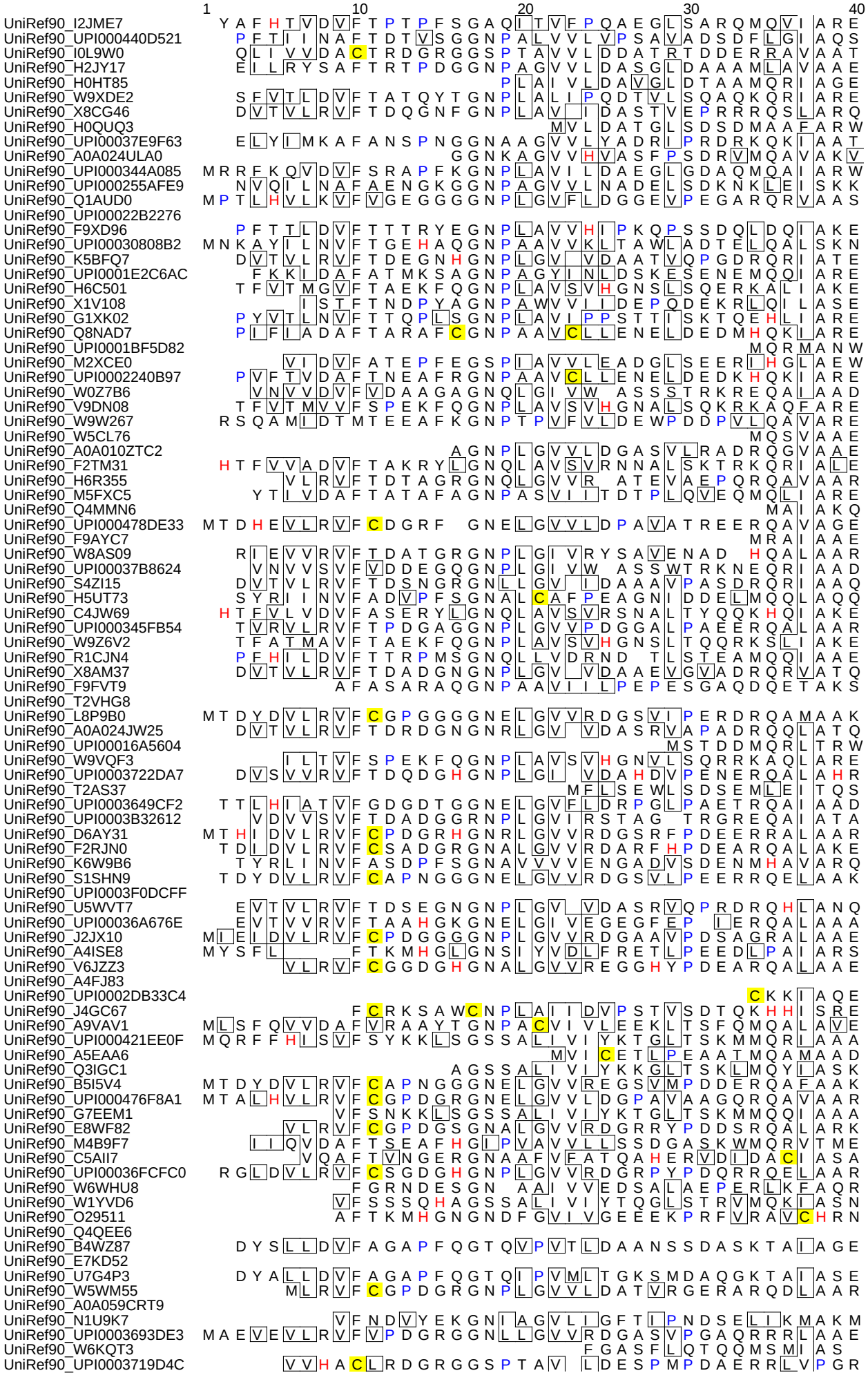

UniRef90_UPI00034CF8AA Q P P
UniRef90_D4XKN3
UniRef90_E8WZY1 D A S F G Q V
UniRef90_I1M4F8 V D P V T E F
UniRef90_J5K159
UniRef90_G9YW87 P P
UniRef90_W5IQF6 Q A Q F G A V
UniRef90_B4SN69
UniRef90_UPI0003B43CEC
UniRef90_UPI0002D2A451 P P F S A
UniRef90_E0NJQ4
UniRef90_W0V6F9 P G T I S E I
UniRef90_A3JWQ8 P T Y S K V
UniRef90_I3DGG2
UniRef90_S7TKK6 A V A F T P
UniRef90_I4W3R5
UniRef90_UPI0003770D75
UniRef90_D2SAG5
UniRef90_G6C302 S P K I G
UniRef90_K5YJ04 A
UniRef90_UPI000234FC1C I
UniRef90_E6SAQ1 P A V T R P L
UniRef90_UPI0002F5F1E3
UniRef90_Z5XUZ3 L P K Y
UniRef90_A9RTA8
UniRef90_D9X3R9 A P R T V P L
UniRef90_A0A052ITG0 T
UniRef90_L7ZTN8 A P S E A A L
UniRef90_D6TYT3 A P S F G A I
UniRef90_UPI00024922A8 A P T F
UniRef90_G7E3X8 A
UniRef90_UPI0003674D00 A P R F R D L
UniRef90_F2NQM4 A P R F R D V
UniRef90_UPI000471D9A0
UniRef90_UPI00047AE3AB L P V L G A L G
UniRef90_UPI0003FD4FFF E P R L A E F
UniRef90_Q5LKG2 T
UniRef90_UPI00047B1C1D E P H V R D L
UniRef90_S6HV34 L P Q
UniRef90_B5WLL7 P T R S A
UniRef90_G4T8W2 T A V P T
UniRef90_W8F436 R P V F G P V
UniRef90_A0A037ZHM9 P
UniRef90_J7SAT1
UniRef90_F2K4W0 K P
UniRef90_Q5AXH0
UniRef90_W7QHI9 T P S A E E L G
UniRef90_X1C555 V P A F G Q F
UniRef90_M0NWW1 P P T
UniRef90_V4XWG9 E P T F G P
UniRef90_N9XDE2 T P Q F
UniRef90_UPI00047E27EA
UniRef90_Q2KXM6 P T H S A I
UniRef90_UPI00033384EB H P Q
UniRef90_B2AP33
UniRef90_U8P759 R A E F G A
UniRef90_M7YVX5 A G R V R S L
UniRef90_X1A4C9 S P K F G D
UniRef90_D3B1J6
UniRef90_A0A010SHN0
UniRef90_F1Z806 A P P L V R S G
UniRef90_UPI0004255A47 V Y D L S P
UniRef90_E8V157 D P V F S E
UniRef90_UPI0004693DCF A P E F G A
UniRef90_A0A011QA51 P A I F G
UniRef90_M4C9I0 V I T
UniRef90_A0A017S2W7
UniRef90_B9QUB3 P
UniRef90_B3SA00 I
UniRef90_W7WQ56 P T R S R P
UniRef90_G8BTU2
UniRef90_C7QEK4 Q A E F R E
UniRef90_C5FJ73
UniRef90_J0PHM8 P T R S A
UniRef90_I1HLW0
UniRef90_A0A034TCF0 Q A K L S P L G
UniRef90_UPI000361BFC2
UniRef90_H8W550 G P R F E P L
UniRef90_UPI0002E4DB2A K G H V R S L
UniRef90_UPI000372436D
UniRef90_E9E0P1
UniRef90_X4Z7A6 P
UniRef90_E8LXZ7 S P V R I P
UniRef90_M6D526
UniRef90_T2NJ86 K P L F S D V
UniRef90_G4N988 R G W V T P V
UniRef90_R7Z167
UniRef90_B1YXX1 K G I V Q S I G
UniRef90_A0A022LQQ1 E P A T R D I
UniRef90_A0A024UCZ3 P T H S K L
UniRef90_G3JFC8
UniRef90_E8Y1I0 T

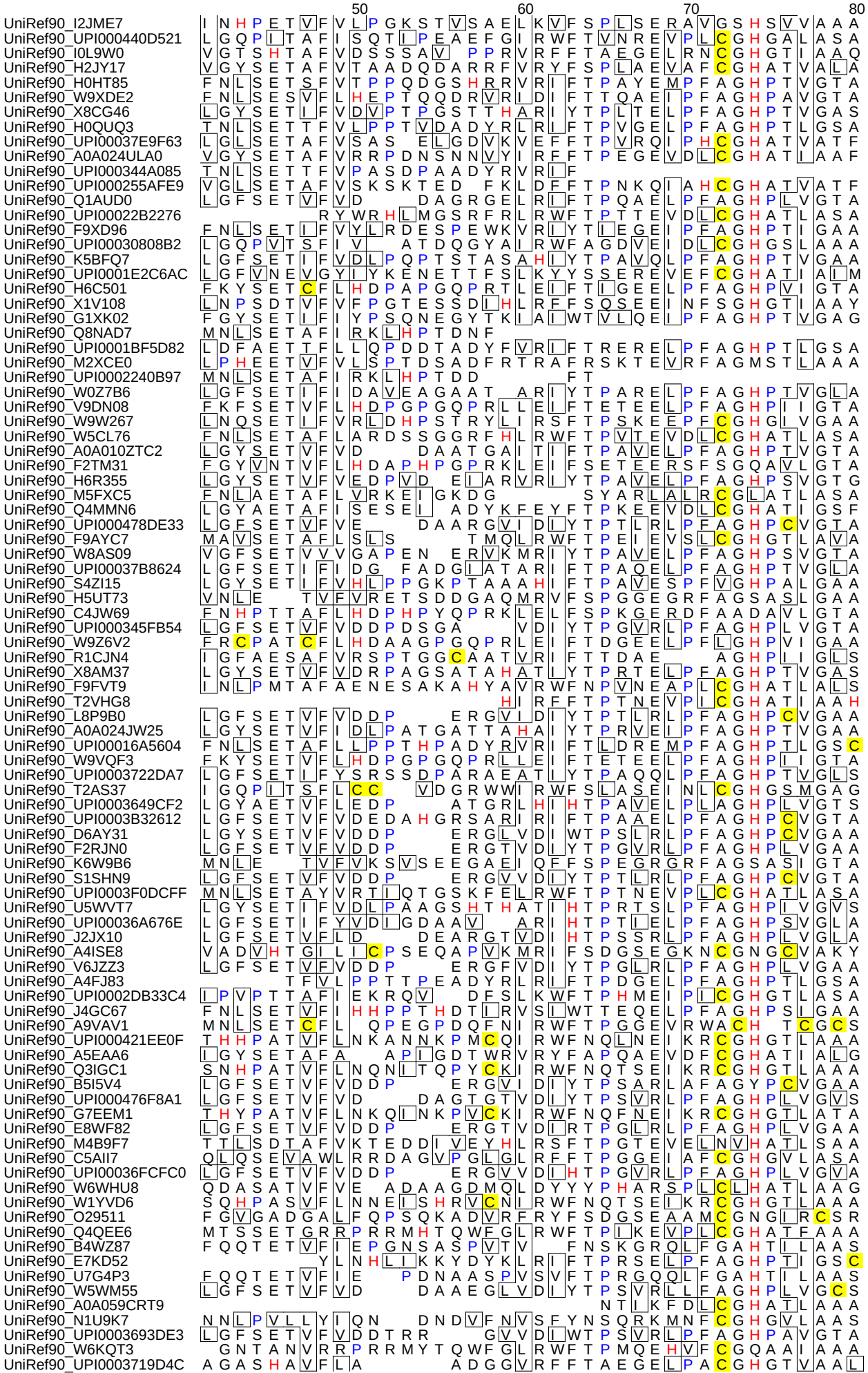

1
10
20
30
40
UniRef90_N4UWG7
UniRef90_U2XQR6
UniRef90_UPI00046A8B30
UniRef90_M4Z0Z9
UniRef90_UPI00035F4BC7
UniRef90_H1QJD9
UniRef90_UPI00037B731A
UniRef90_E5AFP8
UniRef90_G9MP99
UniRef90_L0A2M1
UniRef90_W6N580
UniRef90_D9W6N6
UniRef90_UPI000464B6DE
UniRef90_UPI0002E341C7
UniRef90_V4TRR1
UniRef90_UPI00036CFE4F
UniRef90_UPI0003B638BD
UniRef90_C2PFF2
UniRef90_G6YA70
UniRef90_T0RQB1
UniRef90_UPI00036214B6
UniRef90_Q1KML1
UniRef90_C7YJK5
UniRef90_K3XSA3
UniRef90_A3Y6Q8
UniRef90_R7X2G2
UniRef90_M2VC72
UniRef90_UPI0003821A1F
UniRef90_UPI00035C6B94
UniRef90_UPI000371C0DC
UniRef90_M7P631
UniRef90_S3ZG91
UniRef90_T1BLC3
UniRef90_U7FLU4
UniRef90_E3S1D1
UniRef90_G2RAI3
UniRef90_L8ETV2
UniRef90_W9Y2U5
UniRef90_S3CZP4
UniRef90_UPI0003B5A0C4
UniRef90_W7Z158
UniRef90_G9P070
UniRef90_J2KAG7
UniRef90_R4LPE0
UniRef90_I3TXE0
UniRef90_U1GF75
UniRef90_A0A014LAR7
UniRef90_A7F0R6
UniRef90_J9VHW9
UniRef90_M1P1D9
UniRef90_UPI0004786F37
UniRef90_A2FEZ9
UniRef90_UPI00035C6903
UniRef90_UPI0002889CA8
UniRef90_V4Y4Q8
UniRef90_F7XCU5
UniRef90_UPI0003D731E2
UniRef90_UPI0003B5815A
UniRef90_I4CML6
UniRef90_G2YNX6
UniRef90_H3H1G3
UniRef90_UPI000469A2DF
UniRef90_U5HCZ3
UniRef90_F0GJK8
UniRef90_W9XUH6
UniRef90_I9L112
UniRef90_UPI000360236A
UniRef90_E1R9W8
UniRef90_U7PPD3
UniRef90_Q2SAY1
UniRef90_W4G6N0
UniRef90_T5JFN1
UniRef90_A4FIU6
UniRef90_T5AK45
UniRef90_X5LJR7
UniRef90_D8QEL5
UniRef90_E4TT19
UniRef90_UPI0003B3F5E5
UniRef90_S7WSB8
UniRef90_M2X5J0
UniRef90_W7TNJ6
UniRef90_Q00SY6
UniRef90_M5EUE7
UniRef90_D7CE61
UniRef90_J2MDH3
UniRef90_B2R5Q8
UniRef90_W9WLU8
UniRef90_M5N901
UniRef90_K7JZC8
UniRef90_UPI0004679C32
UniRef90_J5JSH8
UniRef90_UPI0003696D14

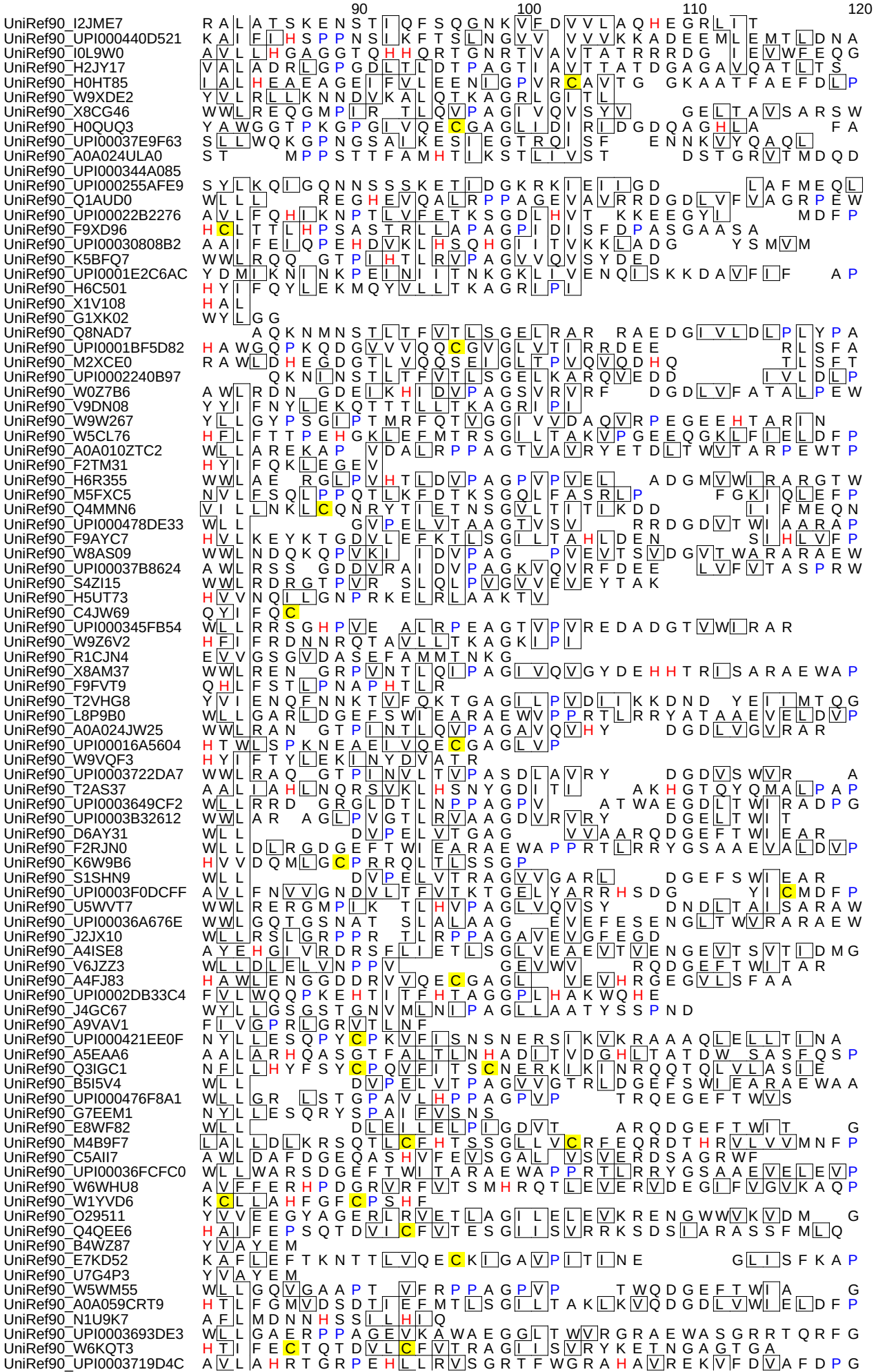

50
60
70
80
UniRef90_N4UWG7
UniRef90_U2XQR6
UniRef90_UPI00046A8B30
UniRef90_M4Z0Z9
UniRef90_UPI00035F4BC7
UniRef90_H1QJD9
UniRef90_UPI00037B731A
UniRef90_E5AFP8
UniRef90_G9MP99
UniRef90_L0A2M1
UniRef90_W6N580
UniRef90_D9W6N6
UniRef90_UPI000464B6DE
UniRef90_UPI0002E341C7
UniRef90_V4TRR1
UniRef90_UPI00036CFE4F
UniRef90_UPI0003B638BD
UniRef90_C2PFF2
UniRef90_G6YA70
UniRef90_T0RQB1
UniRef90_UPI00036214B6
UniRef90_Q1KML1
UniRef90_C7YJK5
UniRef90_K3XSA3
UniRef90_A3Y6Q8
UniRef90_R7X2G2
UniRef90_M2VC72
UniRef90_UPI0003821A1F
UniRef90_UPI00035C6B94
UniRef90_UPI000371C0DC
UniRef90_M7P631
UniRef90_S3ZG91
UniRef90_T1BLC3
UniRef90_U7FLU4
UniRef90_E3S1D1
UniRef90_G2RAI3
UniRef90_L8ETV2
UniRef90_W9Y2U5
UniRef90_S3CZP4
UniRef90_UPI0003B5A0C4
UniRef90_W7Z158
UniRef90_G9P070
UniRef90_J2KAG7
UniRef90_R4LPE0
UniRef90_I3TXE0
UniRef90_U1GF75
UniRef90_A0A014LAR7
UniRef90_A7F0R6
UniRef90_J9VHW9
UniRef90_M1P1D9
UniRef90_UPI0004786F37
UniRef90_A2FEZ9
UniRef90_UPI00035C6903
UniRef90_UPI0002889CA8
UniRef90_V4Y4Q8
UniRef90_F7XCU5
UniRef90_UPI0003D731E2
UniRef90_UPI0003B5815A
UniRef90_I4CML6
UniRef90_G2YNX6
UniRef90_H3H1G3
UniRef90_UPI000469A2DF
UniRef90_U5HCZ3
UniRef90_F0GJK8
UniRef90_W9XUH6
UniRef90_I9L112
UniRef90_UPI000360236A
UniRef90_E1R9W8
UniRef90_U7PPD3
UniRef90_Q2SAY1
UniRef90_W4G6N0
UniRef90_T5JFN1
UniRef90_A4FIU6
UniRef90_T5AK45
UniRef90_X5LJR7
UniRef90_D8QEL5
UniRef90_E4TT19
UniRef90_UPI0003B3F5E5
UniRef90_S7WSB8
UniRef90_M2X5J0
UniRef90_W7TNJ6
UniRef90_Q00SY6
UniRef90_M5EUE7
UniRef90_D7CE61
UniRef90_J2MDH3
UniRef90_B2R5Q8
UniRef90_W9WLU8
UniRef90_M5N901
UniRef90_K7JZC8
UniRef90_UPI0004679C32
UniRef90_J5JSH8
UniRef90_UPI0003696D14


90
100
110
120
UniRef90_N4UWG7
UniRef90_U2XQR6
UniRef90_UPI00046A8B30
UniRef90_M4Z0Z9
UniRef90_UPI00035F4BC7
UniRef90_H1QJD9
UniRef90_UPI00037B731A
UniRef90_E5AFP8
UniRef90_G9MP99
UniRef90_L0A2M1
UniRef90_W6N580
UniRef90_D9W6N6
UniRef90_UPI000464B6DE
UniRef90_UPI0002E341C7
UniRef90_V4TRR1
UniRef90_UPI00036CFE4F
UniRef90_UPI0003B638BD
UniRef90_C2PFF2
UniRef90_G6YA70
UniRef90_T0RQB1
UniRef90_UPI00036214B6
UniRef90_Q1KML1
UniRef90_C7YJK5
UniRef90_K3XSA3
UniRef90_A3Y6Q8
UniRef90_R7X2G2
UniRef90_M2VC72
UniRef90_UPI0003821A1F
UniRef90_UPI00035C6B94
UniRef90_UPI000371C0DC
UniRef90_M7P631
UniRef90_S3ZG91
UniRef90_T1BLC3
UniRef90_U7FLU4
UniRef90_E3S1D1
UniRef90_G2RAI3
UniRef90_L8ETV2
UniRef90_W9Y2U5
UniRef90_S3CZP4
UniRef90_UPI0003B5A0C4
UniRef90_W7Z158
UniRef90_G9P070
UniRef90_J2KAG7
UniRef90_R4LPE0
UniRef90_I3TXE0
UniRef90_U1GF75
UniRef90_A0A014LAR7
UniRef90_A7F0R6
UniRef90_J9VHW9
UniRef90_M1P1D9
UniRef90_UPI0004786F37
UniRef90_A2FEZ9
UniRef90_UPI00035C6903
UniRef90_UPI0002889CA8
UniRef90_V4Y4Q8
UniRef90_F7XCU5
UniRef90_UPI0003D731E2
UniRef90_UPI0003B5815A
UniRef90_I4CML6
UniRef90_G2YNX6
UniRef90_H3H1G3
UniRef90_UPI000469A2DF
UniRef90_U5HCZ3
UniRef90_F0GJK8
UniRef90_W9XUH6
UniRef90_I9L112
UniRef90_UPI000360236A
UniRef90_E1R9W8
UniRef90_U7PPD3
UniRef90_Q2SAY1
UniRef90_W4G6N0
UniRef90_T5JFN1
UniRef90_A4FIU6
UniRef90_T5AK45
UniRef90_X5LJR7
UniRef90_D8QEL5
UniRef90_E4TT19
UniRef90_UPI0003B3F5E5
UniRef90_S7WSB8
UniRef90_M2X5J0
UniRef90_W7TNJ6
UniRef90_Q00SY6
UniRef90_M5EUE7
UniRef90_D7CE61
UniRef90_J2MDH3
UniRef90_B2R5Q8
UniRef90_W9WLU8
UniRef90_M5N901
UniRef90_K7JZC8
UniRef90_UPI0004679C32
UniRef90_J5JSH8
UniRef90_UPI0003696D14

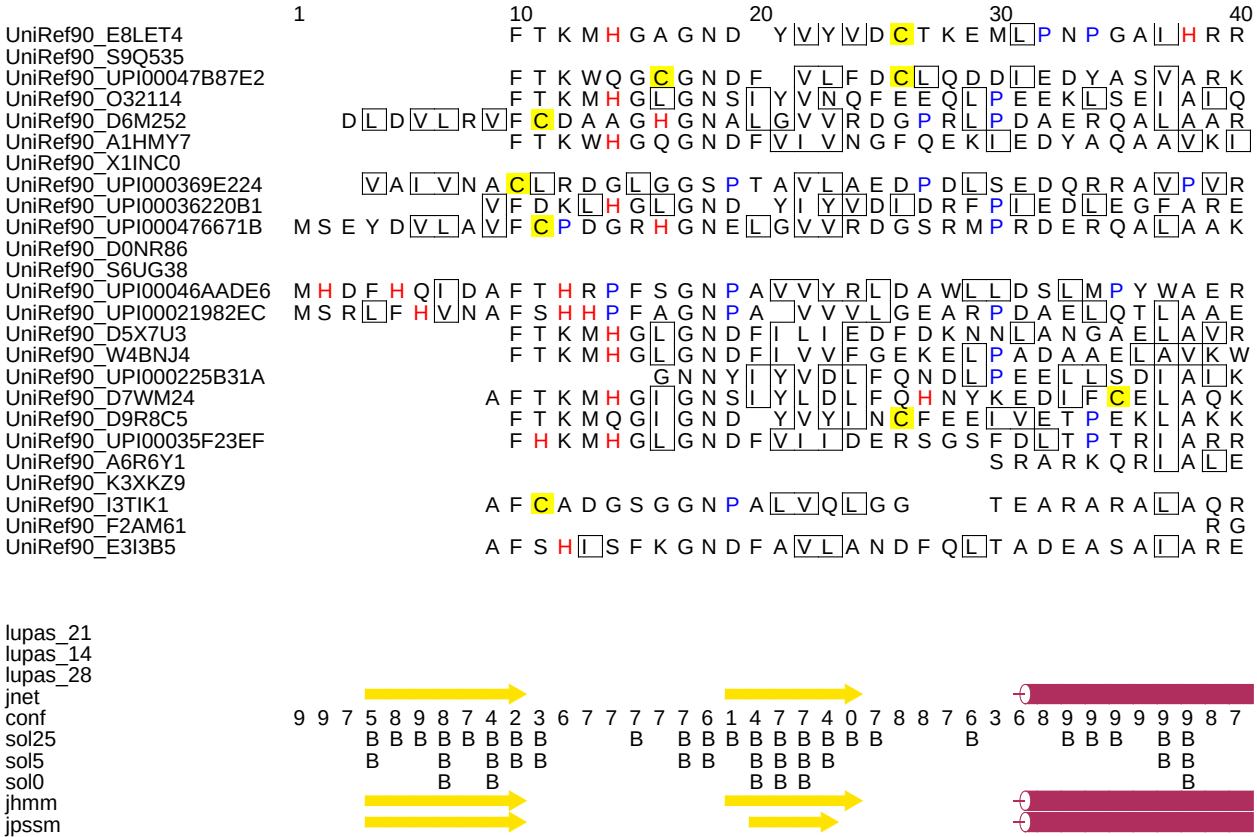
UniRef90_N4UWG7
UniRef90_U2XQR6 E P S V R D L
UniRef90_UPI00046A8B30 E T W S R P L
UniRef90_M4Z0Z9 P T Q T R A L
UniRef90_UPI00035F4BC7 G P I E T A L
UniRef90_H1QJD9 E P H V E E V
UniRef90_UPI00037B731A A P R F
UniRef90_E5AFP8
UniRef90_G9MP99
UniRef90_L0A2M1 A P Q Y T P L
UniRef90_W6N580 N P E F
UniRef90_D9W6N6 P S R T R P
UniRef90_UPI000464B6DE P T H S E
UniRef90_UPI0002E341C7 A P Q Y R
UniRef90_V4TRR1 A A P T A D F
UniRef90_UPI00036CFE4F P T R S R P
UniRef90_UPI0003B638BD
UniRef90_C2PFF2 S P K F
UniRef90_G6YA70 P
UniRef90_T0RQB1
UniRef90_UPI00036214B6
UniRef90_Q1KML1
UniRef90_C7YJK5
UniRef90_K3XSA3 V A S V E E
UniRef90_A3Y6Q8 Q P S Y K A L
UniRef90_R7X2G2 A G R T E P V
UniRef90_M2VC72
UniRef90_UPI0003821A1F A
UniRef90_UPI00035C6B94 P V Q A S A L
UniRef90_UPI000371C0DC E P H V R E V
UniRef90_M7P631 V P K F I E
UniRef90_S3ZG91 A P R
UniRef90_T1BLC3
UniRef90_U7FLU4 L P K F G
UniRef90_E3S1D1
UniRef90_G2RAI3
UniRef90_L8ETV2 S A S S E P V
UniRef90_W9Y2U5 K G T L E D V
UniRef90_S3CZP4
UniRef90_UPI0003B5A0C4 P P E F S E
UniRef90_W7Z158 Q P S F G E
UniRef90_G9P070
UniRef90_J2KAG7 K A T L L P
UniRef90_R4LPE0 P A T V G E L
UniRef90_I3TXE0 P T W T R L
UniRef90_U1GF75
UniRef90_A0A014LAR7 P T R S R P
UniRef90_A7F0R6
UniRef90_J9VHW9 K N V L E A F G
UniRef90_M1P1D9 F P E F
UniRef90_UPI0004786F37 A P T Y
UniRef90_A2FEZ9 A Y K L Q K V
UniRef90_UPI00035C6903 R A V V E E V
UniRef90_UPI0002889CA8
UniRef90_V4Y4Q8
UniRef90_F7XCU5
UniRef90_UPI0003D731E2
UniRef90_UPI0003B5815A P A E F T
UniRef90_I4CML6 K P E F
UniRef90_G2YNX6
UniRef90_H3H1G3
UniRef90_UPI000469A2DF T P D F I A
UniRef90_U5HCZ3 A
UniRef90_F0GJK8
UniRef90_W9XUH6
UniRef90_I9L112 L
UniRef90_UPI000360236A A P E F
UniRef90_E1R9W8 L P T I E E V
UniRef90_U7PPD3 V P
UniRef90_Q2SAY1
UniRef90_W4G6N0 L P V F H A
UniRef90_T5JFN1
UniRef90_A4FIU6 A A A F G A
UniRef90_T5AK45
UniRef90_X5LJR7 A P E F
UniRef90_D8QEL5
UniRef90_E4TT19
UniRef90_UPI0003B3F5E5 I P E F
UniRef90_S7WSB8
UniRef90_M2X5J0 L
UniRef90_W7TNJ6 A E P V V P D G
UniRef90_Q00SY6 A P R
UniRef90_M5EUE7 G P V
UniRef90_D7CE61 L G A V E P L
UniRef90_J2MDH3 A I V P T E V G
UniRef90_B2R5Q8 H P Q
UniRef90_W9WLU8
UniRef90_M5N901 L P S W E G I
UniRef90_K7JZC8
UniRef90_UPI0004679C32 A
UniRef90_J5JSH8
UniRef90_UPI0003696D14 P P Q I R D I

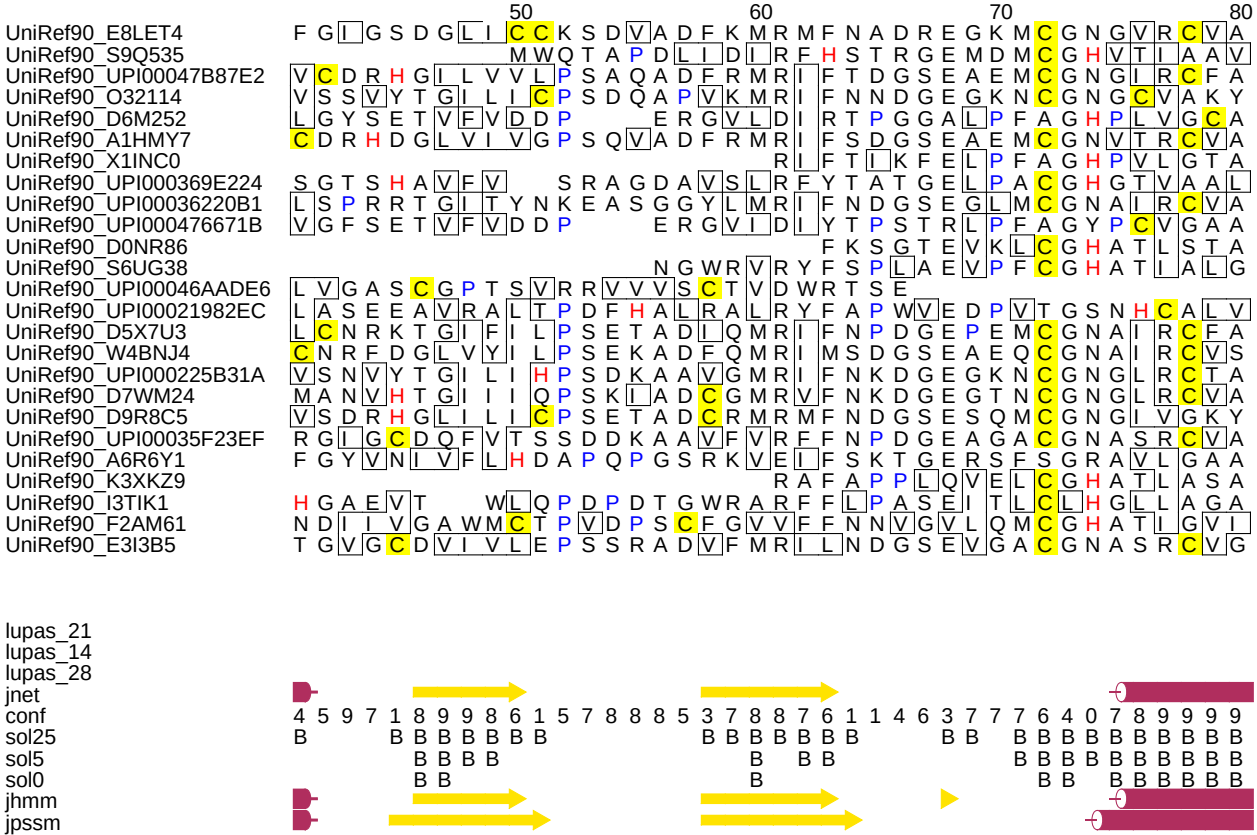

1
10
20
30
40
UniRef90_I2JME7
UniRef90_UPI000440D521
UniRef90_I0L9W0
UniRef90_H2JY17
UniRef90_H0HT85
UniRef90_W9XDE2
UniRef90_X8CG46
UniRef90_H0QUQ3
UniRef90_UPI00037E9F63
UniRef90_A0A024ULA0
UniRef90_UPI000344A085
UniRef90_UPI000255AFE9
UniRef90_Q1AUD0
UniRef90_UPI00022B2276
UniRef90_F9XD96
UniRef90_UPI00030808B2
UniRef90_K5BFQ7
UniRef90_UPI0001E2C6AC
UniRef90_H6C501
UniRef90_X1V108
UniRef90_G1XK02
UniRef90_Q8NAD7
UniRef90_UPI0001BF5D82
UniRef90_M2XCE0
UniRef90_UPI0002240B97
UniRef90_W0Z7B6
UniRef90_V9DN08
UniRef90_W9W267
UniRef90_W5CL76
UniRef90_A0A010ZTC2
UniRef90_F2TM31
UniRef90_H6R355
UniRef90_M5FXC5
UniRef90_Q4MMN6
UniRef90_UPI000478DE33
UniRef90_F9AYC7
UniRef90_W8AS09
UniRef90_UPI00037B8624
UniRef90_S4ZI15
UniRef90_H5UT73
UniRef90_C4JW69
UniRef90_UPI000345FB54
UniRef90_W9Z6V2
UniRef90_R1CJN4
UniRef90_X8AM37
UniRef90_F9FVT9
UniRef90_T2VHG8
UniRef90_L8P9B0
UniRef90_A0A024JW25
UniRef90_UPI00016A5604
UniRef90_W9VQF3
UniRef90_UPI0003722DA7
UniRef90_T2AS37
UniRef90_UPI0003649CF2
UniRef90_UPI0003B32612
UniRef90_D6AY31
UniRef90_F2RJN0
UniRef90_K6W9B6
UniRef90_S1SHN9
UniRef90_UPI0003F0DCFF
UniRef90_U5WVT7
UniRef90_UPI00036A676E
UniRef90_J2JX10
UniRef90_A4ISE8
UniRef90_V6JZZ3
UniRef90_A4FJ83
UniRef90_UPI0002DB33C4
UniRef90_J4GC67
UniRef90_A9VAV1
UniRef90_UPI000421EE0F
UniRef90_A5EAA6
UniRef90_Q3IGC1
UniRef90_B5I5V4
UniRef90_UPI000476F8A1
UniRef90_G7EEM1
UniRef90_E8WF82
UniRef90_M4B9F7
UniRef90_C5AII7
UniRef90_UPI00036FCFC0
UniRef90_W6WHU8
UniRef90_W1YVD6
UniRef90_O29511
UniRef90_Q4QEE6
UniRef90_B4WZ87
UniRef90_E7KD52
UniRef90_U7G4P3
UniRef90_W5WM55
UniRef90_A0A059CRT9
UniRef90_N1U9K7
UniRef90_UPI0003693DE3
UniRef90_W6KQT3
UniRef90_UPI0003719D4C

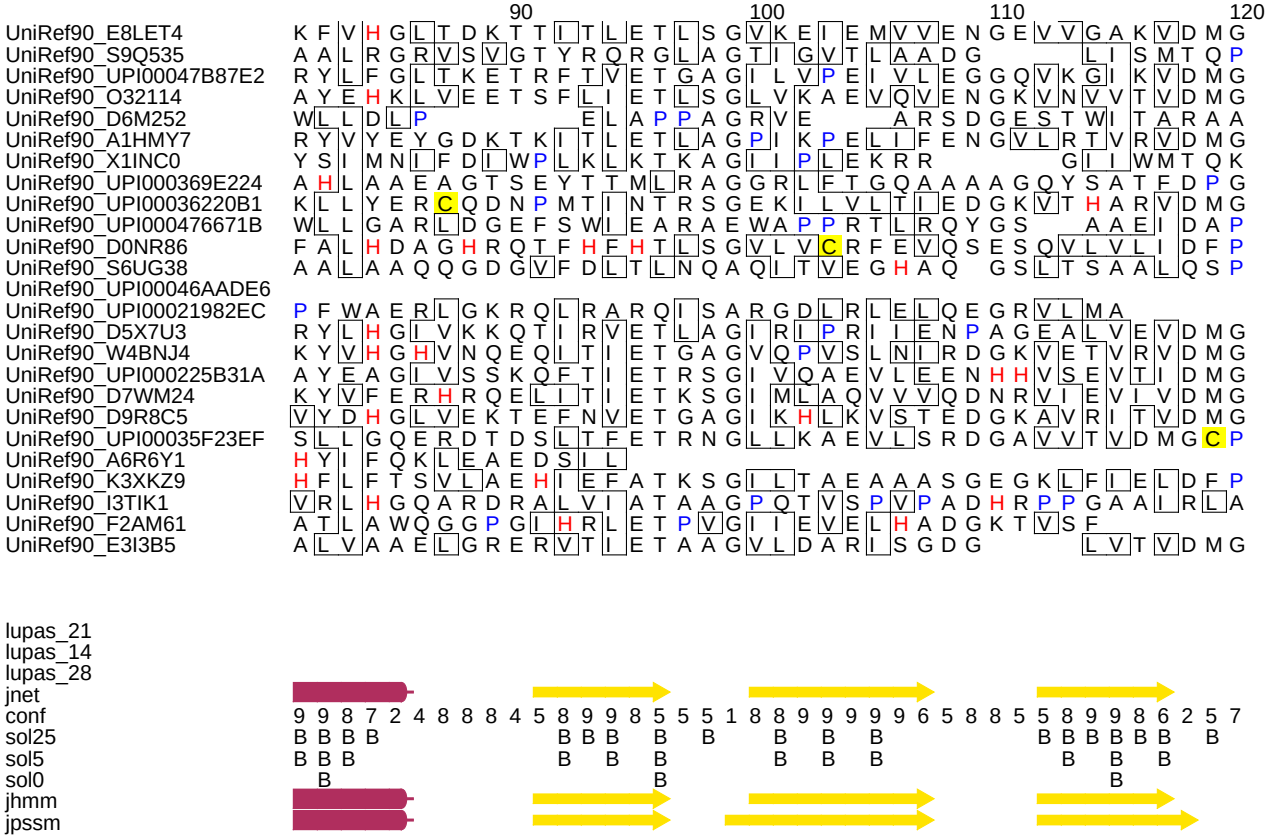

50
60
70
80
UniRef90_I2JME7
UniRef90_UPI000440D521
UniRef90_I0L9W0
UniRef90_H2JY17
UniRef90_H0HT85
UniRef90_W9XDE2
UniRef90_X8CG46
UniRef90_H0QUQ3
UniRef90_UPI00037E9F63
UniRef90_A0A024ULA0
UniRef90_UPI000344A085
UniRef90_UPI000255AFE9
UniRef90_Q1AUD0
UniRef90_UPI00022B2276
UniRef90_F9XD96
UniRef90_UPI00030808B2
UniRef90_K5BFQ7
UniRef90_UPI0001E2C6AC
UniRef90_H6C501
UniRef90_X1V108
UniRef90_G1XK02
UniRef90_Q8NAD7
UniRef90_UPI0001BF5D82
UniRef90_M2XCE0
UniRef90_UPI0002240B97
UniRef90_W0Z7B6
UniRef90_V9DN08
UniRef90_W9W267
UniRef90_W5CL76
UniRef90_A0A010ZTC2
UniRef90_F2TM31
UniRef90_H6R355
UniRef90_M5FXC5
UniRef90_Q4MMN6
UniRef90_UPI000478DE33
UniRef90_F9AYC7
UniRef90_W8AS09
UniRef90_UPI00037B8624
UniRef90_S4ZI15
UniRef90_H5UT73
UniRef90_C4JW69
UniRef90_UPI000345FB54
UniRef90_W9Z6V2
UniRef90_R1CJN4
UniRef90_X8AM37
UniRef90_F9FVT9
UniRef90_T2VHG8
UniRef90_L8P9B0
UniRef90_A0A024JW25
UniRef90_UPI00016A5604
UniRef90_W9VQF3
UniRef90_UPI0003722DA7
UniRef90_T2AS37
UniRef90_UPI0003649CF2
UniRef90_UPI0003B32612
UniRef90_D6AY31
UniRef90_F2RJN0
UniRef90_K6W9B6
UniRef90_S1SHN9
UniRef90_UPI0003F0DCFF
UniRef90_U5WVT7
UniRef90_UPI00036A676E
UniRef90_J2JX10
UniRef90_A4ISE8
UniRef90_V6JZZ3
UniRef90_A4FJ83
UniRef90_UPI0002DB33C4
UniRef90_J4GC67
UniRef90_A9VAV1
UniRef90_UPI000421EE0F
UniRef90_A5EAA6
UniRef90_Q3IGC1
UniRef90_B5I5V4
UniRef90_UPI000476F8A1
UniRef90_G7EEM1
UniRef90_E8WF82
UniRef90_M4B9F7
UniRef90_C5AII7
UniRef90_UPI00036FCFC0
UniRef90_W6WHU8
UniRef90_W1YVD6
UniRef90_O29511
UniRef90_Q4QEE6
UniRef90_B4WZ87
UniRef90_E7KD52
UniRef90_U7G4P3
UniRef90_W5WM55
UniRef90_A0A059CRT9
UniRef90_N1U9K7
UniRef90_UPI0003693DE3
UniRef90_W6KQT3
UniRef90_UPI0003719D4C

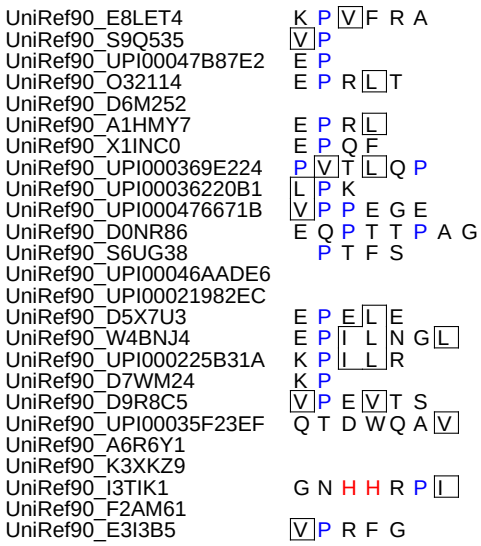

90
100
110
120
UniRef90_I2JME7
UniRef90_UPI000440D521
UniRef90_I0L9W0
UniRef90_H2JY17
UniRef90_H0HT85
UniRef90_W9XDE2
UniRef90_X8CG46
UniRef90_H0QUQ3
UniRef90_UPI00037E9F63
UniRef90_A0A024ULA0
UniRef90_UPI000344A085
UniRef90_UPI000255AFE9
UniRef90_Q1AUD0
UniRef90_UPI00022B2276
UniRef90_F9XD96
UniRef90_UPI00030808B2
UniRef90_K5BFQ7
UniRef90_UPI0001E2C6AC
UniRef90_H6C501
UniRef90_X1V108
UniRef90_G1XK02
UniRef90_Q8NAD7
UniRef90_UPI0001BF5D82
UniRef90_M2XCE0
UniRef90_UPI0002240B97
UniRef90_W0Z7B6
UniRef90_V9DN08
UniRef90_W9W267
UniRef90_W5CL76
UniRef90_A0A010ZTC2
UniRef90_F2TM31
UniRef90_H6R355
UniRef90_M5FXC5
UniRef90_Q4MMN6
UniRef90_UPI000478DE33
UniRef90_F9AYC7
UniRef90_W8AS09
UniRef90_UPI00037B8624
UniRef90_S4ZI15
UniRef90_H5UT73
UniRef90_C4JW69
UniRef90_UPI000345FB54
UniRef90_W9Z6V2
UniRef90_R1CJN4
UniRef90_X8AM37
UniRef90_F9FVT9
UniRef90_T2VHG8
UniRef90_L8P9B0
UniRef90_A0A024JW25
UniRef90_UPI00016A5604
UniRef90_W9VQF3
UniRef90_UPI0003722DA7
UniRef90_T2AS37
UniRef90_UPI0003649CF2
UniRef90_UPI0003B32612
UniRef90_D6AY31
UniRef90_F2RJN0
UniRef90_K6W9B6
UniRef90_S1SHN9
UniRef90_UPI0003F0DCFF
UniRef90_U5WVT7
UniRef90_UPI00036A676E
UniRef90_J2JX10
UniRef90_A4ISE8
UniRef90_V6JZZ3
UniRef90_A4FJ83
UniRef90_UPI0002DB33C4
UniRef90_J4GC67
UniRef90_A9VAV1
UniRef90_UPI000421EE0F
UniRef90_A5EAA6
UniRef90_Q3IGC1
UniRef90_B5I5V4
UniRef90_UPI000476F8A1
UniRef90_G7EEM1
UniRef90_E8WF82
UniRef90_M4B9F7
UniRef90_C5AII7
UniRef90_UPI00036FCFC0
UniRef90_W6WHU8
UniRef90_W1YVD6
UniRef90_O29511
UniRef90_Q4QEE6
UniRef90_B4WZ87
UniRef90_E7KD52
UniRef90_U7G4P3
UniRef90_W5WM55
UniRef90_A0A059CRT9
UniRef90_N1U9K7
UniRef90_UPI0003693DE3
UniRef90_W6KQT3
UniRef90_UPI0003719D4C

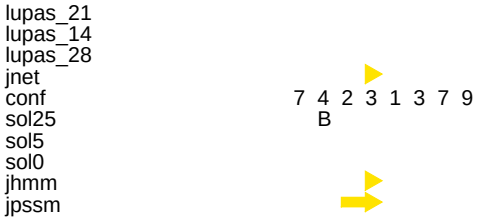
UniRef90_I2JME7
UniRef90_UPI000440D521 A P
UniRef90_I0L9W0 V I A L R D
UniRef90_H2JY17 V P T R S
UniRef90_H0HT85 Q
UniRef90_W9XDE2
UniRef90_X8CG46 A P E F
UniRef90_H0QUQ3 A P P L I R S G
UniRef90_UPI00037E9F63 A P S Y T S L
UniRef90_A0A024ULA0 L P I F
UniRef90_UPI000344A085
UniRef90_UPI000255AFE9 A P K Y
UniRef90_Q1AUD0 A P P F E H L
UniRef90_UPI00022B2276 L N P P T R V
UniRef90_F9XD96
UniRef90_UPI00030808B2 P S W T A
UniRef90_K5BFQ7
UniRef90_UPI0001E2C6AC N P E F R
UniRef90_H6C501
UniRef90_X1V108
UniRef90_G1XK02
UniRef90_Q8NAD7 H P Q
UniRef90_UPI0001BF5D82 A P K L
UniRef90_M2XCE0 A P P L
UniRef90_UPI0002240B97 L
UniRef90_W0Z7B6 A P P F E
UniRef90_V9DN08
UniRef90_W9W267
UniRef90_W5CL76
UniRef90_A0A010ZTC2 K F D F R Q L G
UniRef90_F2TM31
UniRef90_H6R355 A P A F T
UniRef90_M5FXC5 A
UniRef90_Q4MMN6 K P I F Y D V
UniRef90_UPI000478DE33 A R T L R E Y G
UniRef90_F9AYC7 T P
UniRef90_W8AS09 A P S F E
UniRef90_UPI00037B8624 A P A F E
UniRef90_S4ZI15
UniRef90_H5UT73
UniRef90_C4JW69
UniRef90_UPI000345FB54 P E W A A
UniRef90_W9Z6V2
UniRef90_R1CJN4
UniRef90_X8AM37 E F A L H E F G
UniRef90_F9FVT9
UniRef90_T2VHG8 K I E V S P
UniRef90_L8P9B0 P P
UniRef90_A0A024JW25 P E W G P
UniRef90_UPI00016A5604
UniRef90_W9VQF3
UniRef90_UPI0003722DA7 K P E W T P
UniRef90_T2AS37 V P
UniRef90_UPI0003649CF2 A P V F
UniRef90_UPI0003B32612
UniRef90_D6AY31 P E W A P
UniRef90_F2RJN0 E P
UniRef90_K6W9B6
UniRef90_S1SHN9 P E W A P
UniRef90_UPI0003F0DCFF
UniRef90_U5WVT7 A P E L
UniRef90_UPI00036A676E A P E F T
UniRef90_J2JX10
UniRef90_A4ISE8 E P R L R
UniRef90_V6JZZ3 P E W S P
UniRef90_A4FJ83
UniRef90_UPI0002DB33C4
UniRef90_J4GC67
UniRef90_A9VAV1
UniRef90_UPI000421EE0F
UniRef90_A5EAA6 P T Q T R A L
UniRef90_Q3IGC1
UniRef90_B5I5V4 P R T F R Q Y G
UniRef90_UPI000476F8A1
UniRef90_G7EEM1
UniRef90_E8WF82 R P E W A P
UniRef90_M4B9F7 E
UniRef90_C5AII7
UniRef90_UPI00036FCFC0 P P
UniRef90_W6WHU8 C P A L T
UniRef90_W1YVD6
UniRef90_O29511 K P K F G
UniRef90_Q4QEE6
UniRef90_B4WZ87
UniRef90_E7KD52 M A D Y E S I
UniRef90_U7G4P3
UniRef90_W5WM55 R P E W A A
UniRef90_A0A059CRT9 V
UniRef90_N1U9K7
UniRef90_UPI0003693DE3 S P E
UniRef90_W6KQT3
UniRef90_UPI0003719D4C P I T V R P


1
10
20
30
40
UniRef90_E8LET4 F T K M H G A G N D Y V Y V D C T K E M L P N P G A I H R R
UniRef90_S9Q535
UniRef90_UPI00047B87E2 F T K W Q G C G N D F V L F D C L Q D D I E D Y A S V A R K
UniRef90_O32114 F T K M H G L G N S I Y V N Q F E E Q L P E E K L S E I A I Q
UniRef90_D6M252 D L D V L R V F C D A A G H G N A L G V V R D G P R L P D A E R Q A L A A R
UniRef90_A1HMY7 F T K W H G Q G N D F V I V N G F Q E K I E D Y A Q A A V K I
UniRef90_X1INC0
UniRef90_UPI000369E224 V A I V N A C L R D G L G G S P T A V L A E D P D L S E D Q R R A V P V R
UniRef90_UPI00036220B1 V F D K L H G L G N D Y I Y V D I D R F P I E D L E G F A R E
UniRef90_UPI000476671B M S E Y D V L A V F C P D G R H G N E L G V V R D G S R M P R D E R Q A L A A K
UniRef90_D0NR86
UniRef90_S6UG38
UniRef90_UPI00046AADE6 M H D F H Q I D A F T H R P F S G N P A V V Y R L D A W L L D S L M P Y W A E R
UniRef90_UPI00021982EC M S R L F H V N A F S H H P F A G N P A V V V L G E A R P D A E L Q T L A A E
UniRef90_D5X7U3 F T K M H G L G N D F I L I E D F D K N N L A N G A E L A V R
UniRef90_W4BNJ4 F T K M H G L G N D F I V V F G E K E L P A D A A E L A V K W
UniRef90_UPI000225B31A G N N Y I Y V D L F Q N D L P E E L L S D I A I K
UniRef90_D7WM24 A F T K M H G I G N S I Y L D L F Q H N Y K E D I F C E L A Q K
UniRef90_D9R8C5 F T K M Q G I G N D Y V Y I N C F E E I V E T P E K L A K K
UniRef90_UPI00035F23EF F H K M H G L G N D F V I I D E R S G S F D L T P T R I A R R
UniRef90_A6R6Y1 S R A R K Q R I A L E
UniRef90_K3XKZ9
UniRef90_I3TIK1 A F C A D G S G G N P A L V Q L G G T E A R A R A L A Q R
UniRef90_F2AM61 R G
UniRef90_E3I3B5 A F S H I S F K G N D F A V L A N D F Q L T A D E A S A I A R E
lupas_21
lupas_14
lupas_28
jnet
conf 9 9 7 5 8 9 8 7 4 2 3 6 7 7 7 7 7 6 1 4 7 7 4 0 7 8 8 7 6 3 6 8 9 9 9 9 9 8 7
sol25 B B B B B B B B B B B B B B B B B B B B B B B B B
sol5 B B B B B B B B B B B B B B B B B B B
sol0 B B B B B B
jhmm
jpssm


50
60
70
80
UniRef90_E8LET4
UniRef90_S9Q535
UniRef90_UPI00047B87E2
UniRef90_O32114
UniRef90_D6M252
UniRef90_A1HMY7
UniRef90_X1INC0
UniRef90_UPI000369E224
UniRef90_UPI00036220B1
UniRef90_UPI000476671B
UniRef90_D0NR86
UniRef90_S6UG38
UniRef90_UPI00046AADE6
UniRef90_UPI00021982EC
UniRef90_D5X7U3
UniRef90_W4BNJ4
UniRef90_UPI000225B31A
UniRef90_D7WM24
UniRef90_D9R8C5
UniRef90_UPI00035F23EF
UniRef90_A6R6Y1
UniRef90_K3XKZ9
UniRef90_I3TIK1
UniRef90_F2AM61
UniRef90_E3I3B5
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


90
100
110
120
UniRef90_E8LET4
UniRef90_S9Q535
UniRef90_UPI00047B87E2
UniRef90_O32114
UniRef90_D6M252
UniRef90_A1HMY7
UniRef90_X1INC0
UniRef90_UPI000369E224
UniRef90_UPI00036220B1
UniRef90_UPI000476671B
UniRef90_D0NR86
UniRef90_S6UG38
UniRef90_UPI00046AADE6
UniRef90_UPI00021982EC
UniRef90_D5X7U3
UniRef90_W4BNJ4
UniRef90_UPI000225B31A
UniRef90_D7WM24
UniRef90_D9R8C5
UniRef90_UPI00035F23EF
UniRef90_A6R6Y1
UniRef90_K3XKZ9
UniRef90_I3TIK1
UniRef90_F2AM61
UniRef90_E3I3B5
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


UniRef90_E8LET4 K P V F R A
UniRef90_S9Q535 V P
UniRef90_UPI00047B87E2 E P
UniRef90_O32114 E P R L T
UniRef90_D6M252
UniRef90_A1HMY7 E P R L
UniRef90_X1INC0 E P Q F
UniRef90_UPI000369E224 P V T L Q P
UniRef90_UPI00036220B1 L P K
UniRef90_UPI000476671B V P P E G E
UniRef90_D0NR86 E Q P T T P A G
UniRef90_S6UG38 P T F S
UniRef90_UPI00046AADE6
UniRef90_UPI00021982EC
UniRef90_D5X7U3 E P E L E
UniRef90_W4BNJ4 E P I L N G L
UniRef90_UPI000225B31A K P I L R
UniRef90_D7WM24 K P
UniRef90_D9R8C5 V P E V T S
UniRef90_UPI00035F23EF Q T D W Q A V
UniRef90_A6R6Y1
UniRef90_K3XKZ9
UniRef90_I3TIK1 G N H H R P I
UniRef90_F2AM61
UniRef90_E3I3B5 V P R F G


lupas_21
lupas_14
lupas_28
jnet
conf 7 4 2 3 1 3 7 9
sol25 B
sol5
sol0
jhmm
jpssm