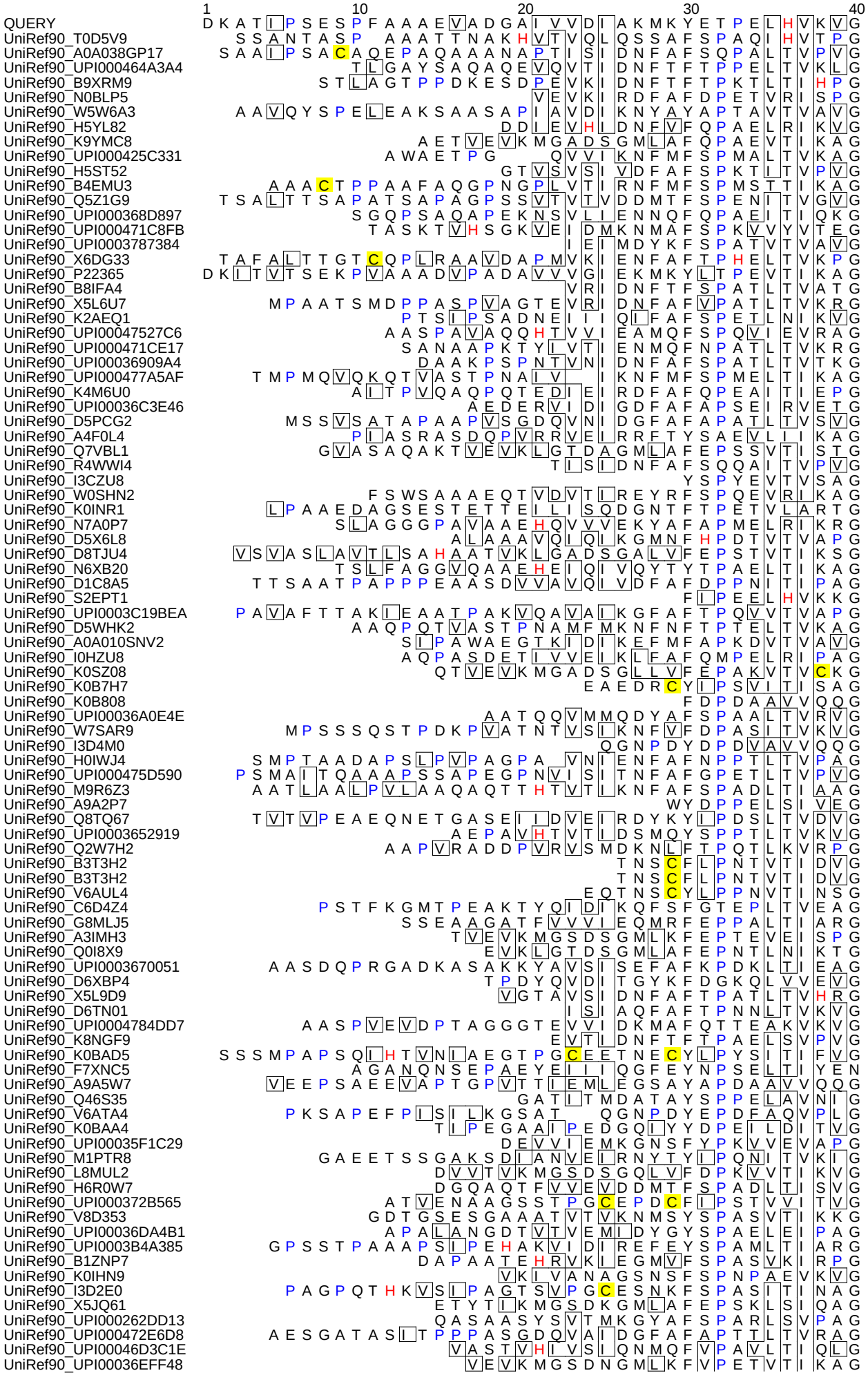
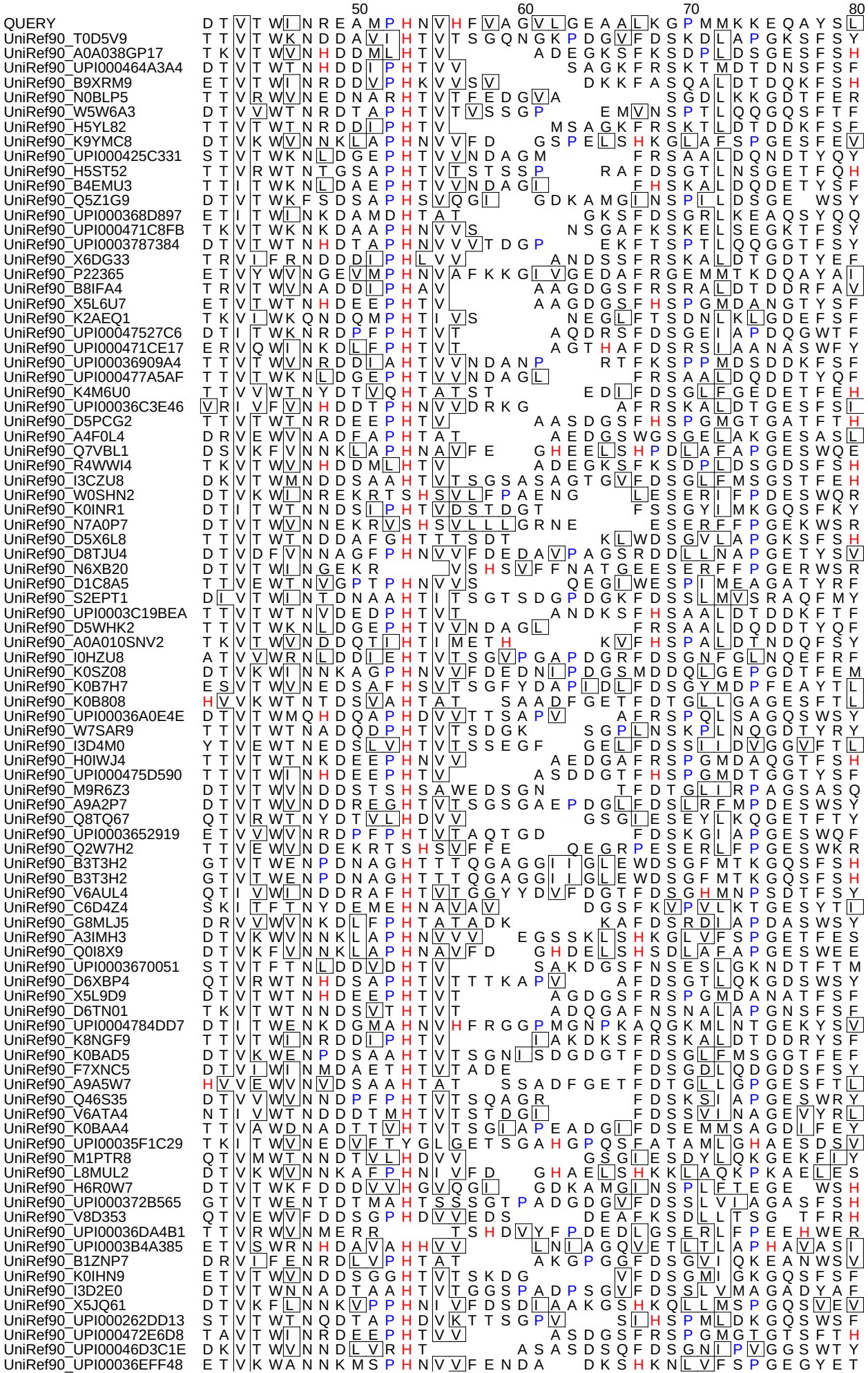
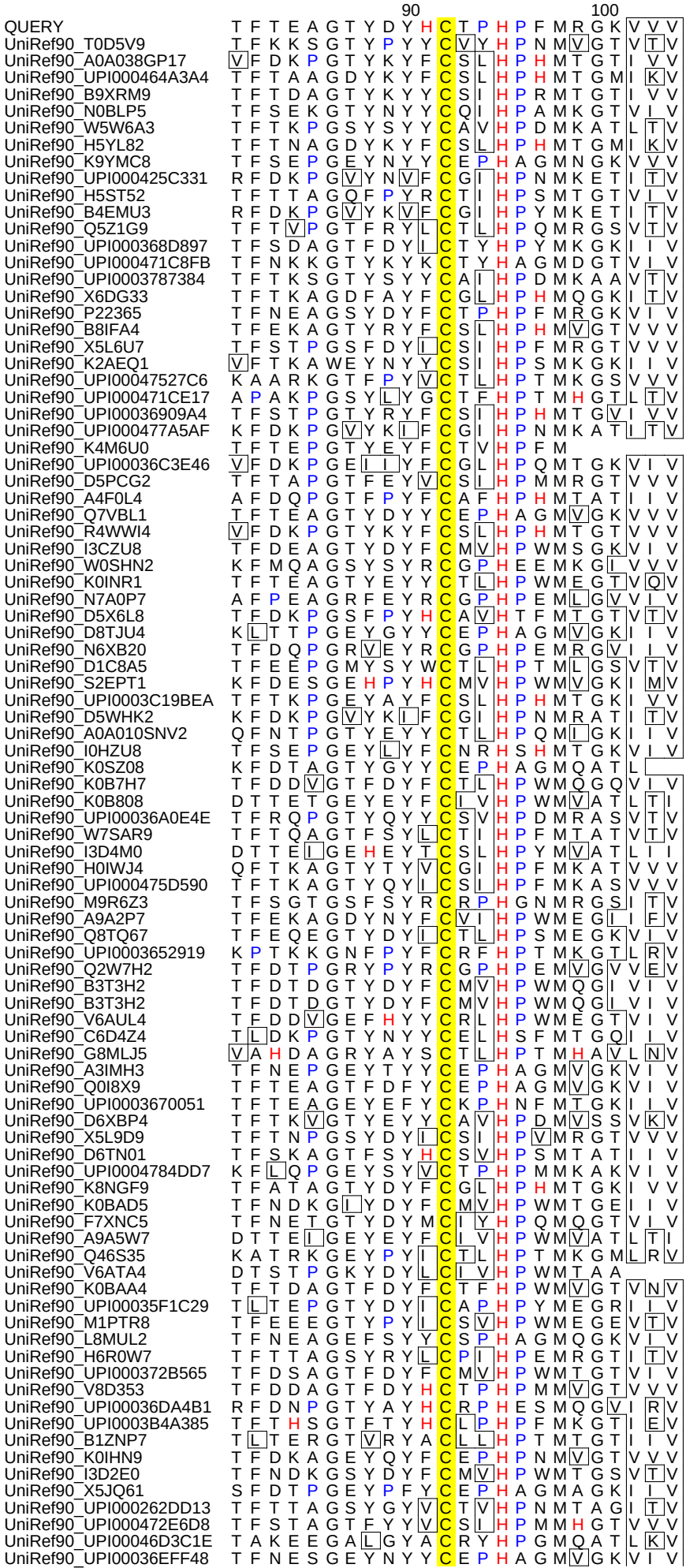
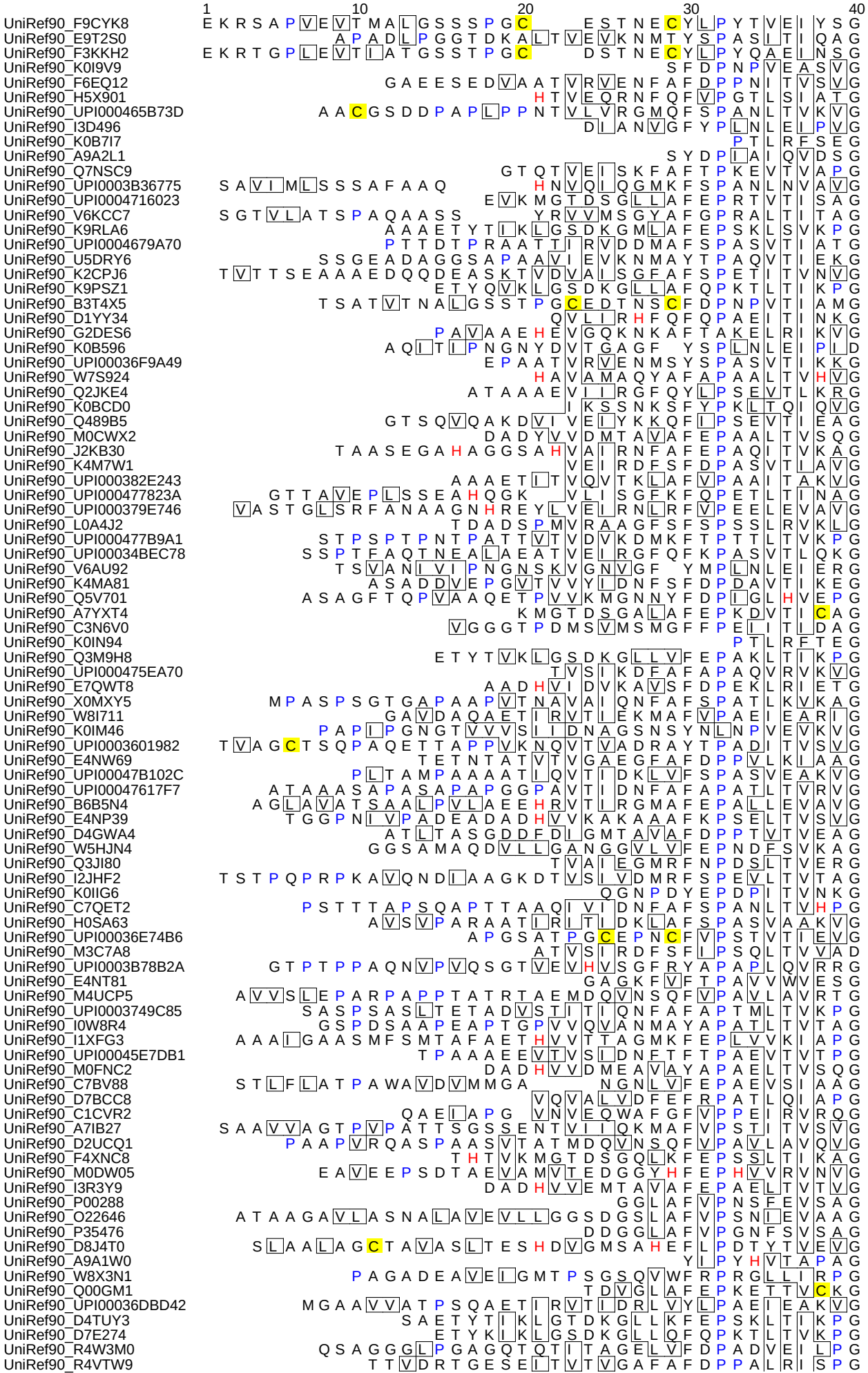
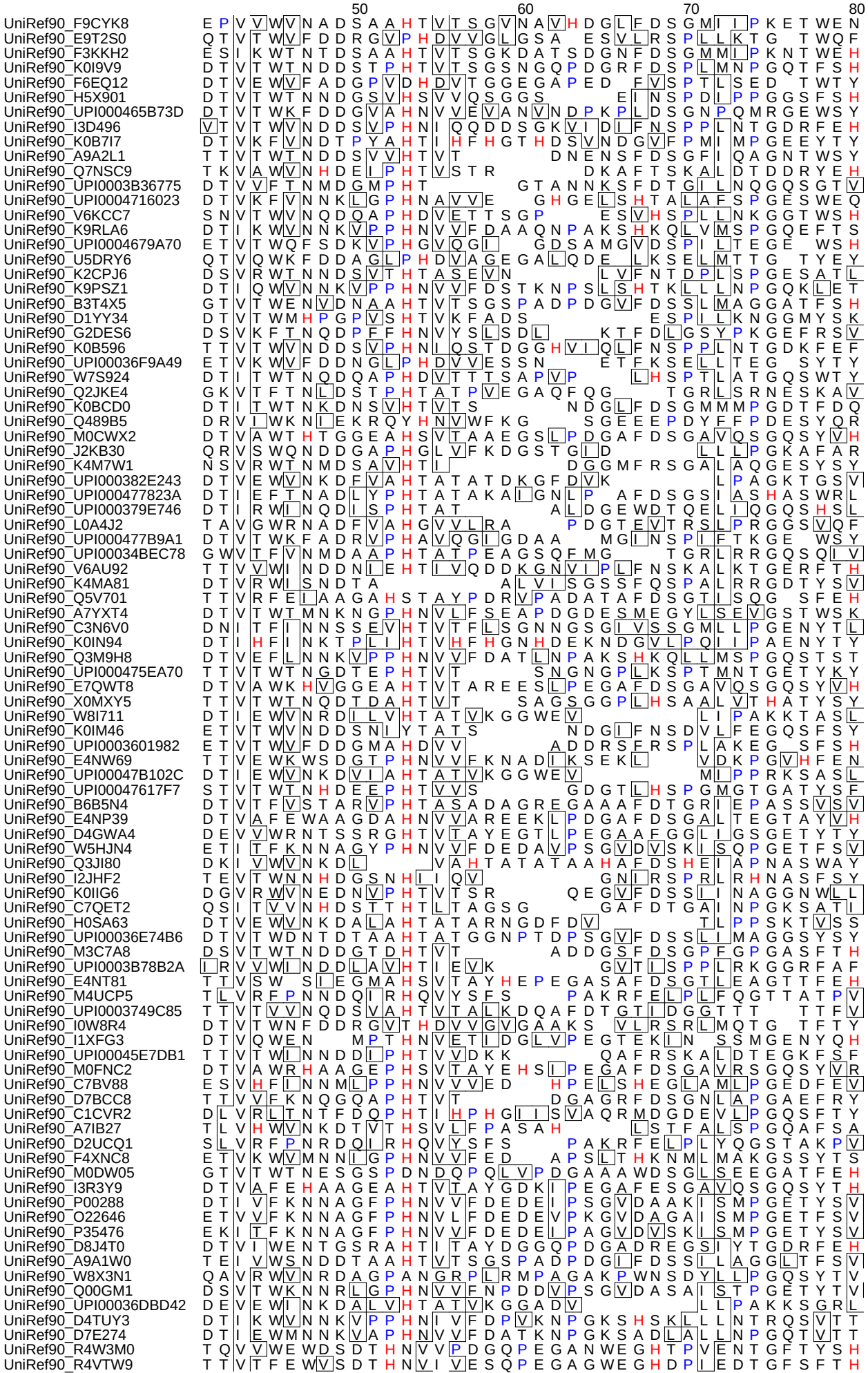
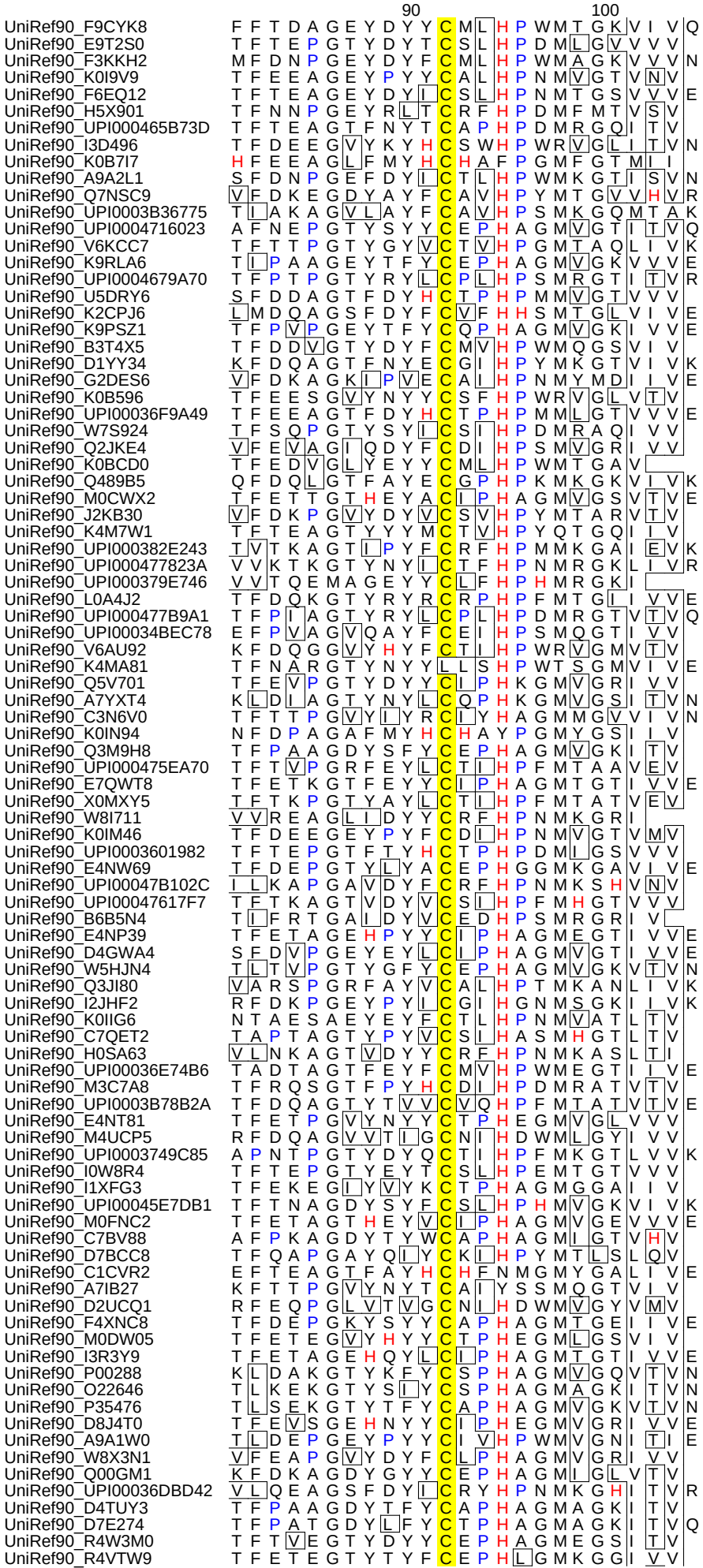

1
10
20
30
40
QUERY
UniRef90_T0D5V9
UniRef90_A0A038GP17
UniRef90_UPI000464A3A4
UniRef90_B9XRM9
UniRef90_N0BLP5
UniRef90_W5W6A3
UniRef90_H5YL82
UniRef90_K9YMC8
UniRef90_UPI000425C331
UniRef90_H5ST52
UniRef90_B4EMU3
UniRef90_Q5Z1G9
UniRef90_UPI000368D897
UniRef90_UPI000471C8FB
UniRef90_UPI0003787384
UniRef90_X6DG33
UniRef90_P22365
UniRef90_B8IFA4
UniRef90_X5L6U7
UniRef90_K2AEQ1
UniRef90_UPI00047527C6
UniRef90_UPI000471CE17
UniRef90_UPI00036909A4
UniRef90_UPI000477A5AF
UniRef90_K4M6U0
UniRef90_UPI00036C3E46
UniRef90_D5PCG2
UniRef90_A4F0L4
UniRef90_Q7VBL1
UniRef90_R4WWI4
UniRef90_I3CZU8
UniRef90_W0SHN2
UniRef90_K0INR1
UniRef90_N7A0P7
UniRef90_D5X6L8
UniRef90_D8TJU4
UniRef90_N6XB20
UniRef90_D1C8A5
UniRef90_S2EPT1
UniRef90_UPI0003C19BEA
UniRef90_D5WHK2
UniRef90_A0A010SNV2
UniRef90_I0HZU8
UniRef90_K0SZ08
UniRef90_K0B7H7
UniRef90_K0B808
UniRef90_UPI00036A0E4E
UniRef90_W7SAR9
UniRef90_I3D4M0
UniRef90_H0IWJ4
UniRef90_UPI000475D590
UniRef90_M9R6Z3
UniRef90_A9A2P7
UniRef90_Q8TQ67
UniRef90_UPI0003652919
UniRef90_Q2W7H2
UniRef90_B3T3H2
UniRef90_B3T3H2
UniRef90_V6AUL4
UniRef90_C6D4Z4
UniRef90_G8MLJ5
UniRef90_A3IMH3
UniRef90_Q0I8X9
UniRef90_UPI0003670051
UniRef90_D6XBP4
UniRef90_X5L9D9
UniRef90_D6TN01
UniRef90_UPI0004784DD7
UniRef90_K8NGF9
UniRef90_K0BAD5
UniRef90_F7XNC5
UniRef90_A9A5W7
UniRef90_Q46S35
UniRef90_V6ATA4
UniRef90_K0BAA4
UniRef90_UPI00035F1C29
UniRef90_M1PTR8
UniRef90_L8MUL2
UniRef90_H6R0W7
UniRef90_UPI000372B565
UniRef90_V8D353
UniRef90_UPI00036DA4B1
UniRef90_UPI0003B4A385
UniRef90_B1ZNP7
UniRef90_K0IHN9
UniRef90_I3D2E0
UniRef90_X5JQ61
UniRef90_UPI000262DD13
UniRef90_UPI000472E6D8
UniRef90_UPI00046D3C1E
UniRef90_UPI00036EFF48

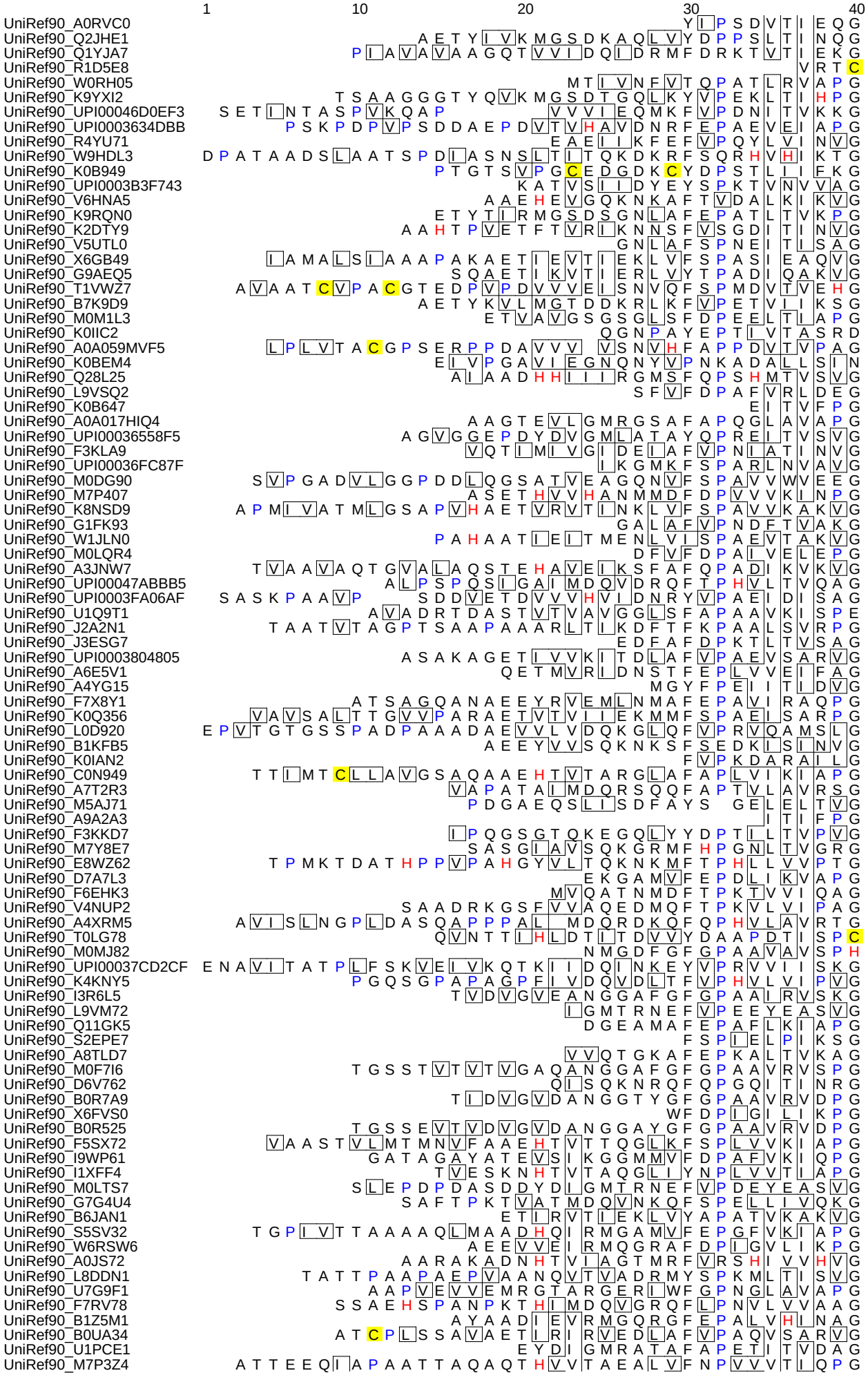

50
60
70
80
QUERY
UniRef90_T0D5V9
UniRef90_A0A038GP17
UniRef90_UPI000464A3A4
UniRef90_B9XRM9
UniRef90_N0BLP5
UniRef90_W5W6A3
UniRef90_H5YL82
UniRef90_K9YMC8
UniRef90_UPI000425C331
UniRef90_H5ST52
UniRef90_B4EMU3
UniRef90_Q5Z1G9
UniRef90_UPI000368D897
UniRef90_UPI000471C8FB
UniRef90_UPI0003787384
UniRef90_X6DG33
UniRef90_P22365
UniRef90_B8IFA4
UniRef90_X5L6U7
UniRef90_K2AEQ1
UniRef90_UPI00047527C6
UniRef90_UPI000471CE17
UniRef90_UPI00036909A4
UniRef90_UPI000477A5AF
UniRef90_K4M6U0
UniRef90_UPI00036C3E46
UniRef90_D5PCG2
UniRef90_A4F0L4
UniRef90_Q7VBL1
UniRef90_R4WWI4
UniRef90_I3CZU8
UniRef90_W0SHN2
UniRef90_K0INR1
UniRef90_N7A0P7
UniRef90_D5X6L8
UniRef90_D8TJU4
UniRef90_N6XB20
UniRef90_D1C8A5
UniRef90_S2EPT1
UniRef90_UPI0003C19BEA
UniRef90_D5WHK2
UniRef90_A0A010SNV2
UniRef90_I0HZU8
UniRef90_K0SZ08
UniRef90_K0B7H7
UniRef90_K0B808
UniRef90_UPI00036A0E4E
UniRef90_W7SAR9
UniRef90_I3D4M0
UniRef90_H0IWJ4
UniRef90_UPI000475D590
UniRef90_M9R6Z3
UniRef90_A9A2P7
UniRef90_Q8TQ67
UniRef90_UPI0003652919
UniRef90_Q2W7H2
UniRef90_B3T3H2
UniRef90_B3T3H2
UniRef90_V6AUL4
UniRef90_C6D4Z4
UniRef90_G8MLJ5
UniRef90_A3IMH3
UniRef90_Q0I8X9
UniRef90_UPI0003670051
UniRef90_D6XBP4
UniRef90_X5L9D9
UniRef90_D6TN01
UniRef90_UPI0004784DD7
UniRef90_K8NGF9
UniRef90_K0BAD5
UniRef90_F7XNC5
UniRef90_A9A5W7
UniRef90_Q46S35
UniRef90_V6ATA4
UniRef90_K0BAA4
UniRef90_UPI00035F1C29
UniRef90_M1PTR8
UniRef90_L8MUL2
UniRef90_H6R0W7
UniRef90_UPI000372B565
UniRef90_V8D353
UniRef90_UPI00036DA4B1
UniRef90_UPI0003B4A385
UniRef90_B1ZNP7
UniRef90_K0IHN9
UniRef90_I3D2E0
UniRef90_X5JQ61
UniRef90_UPI000262DD13
UniRef90_UPI000472E6D8
UniRef90_UPI00046D3C1E
UniRef90_UPI00036EFF48

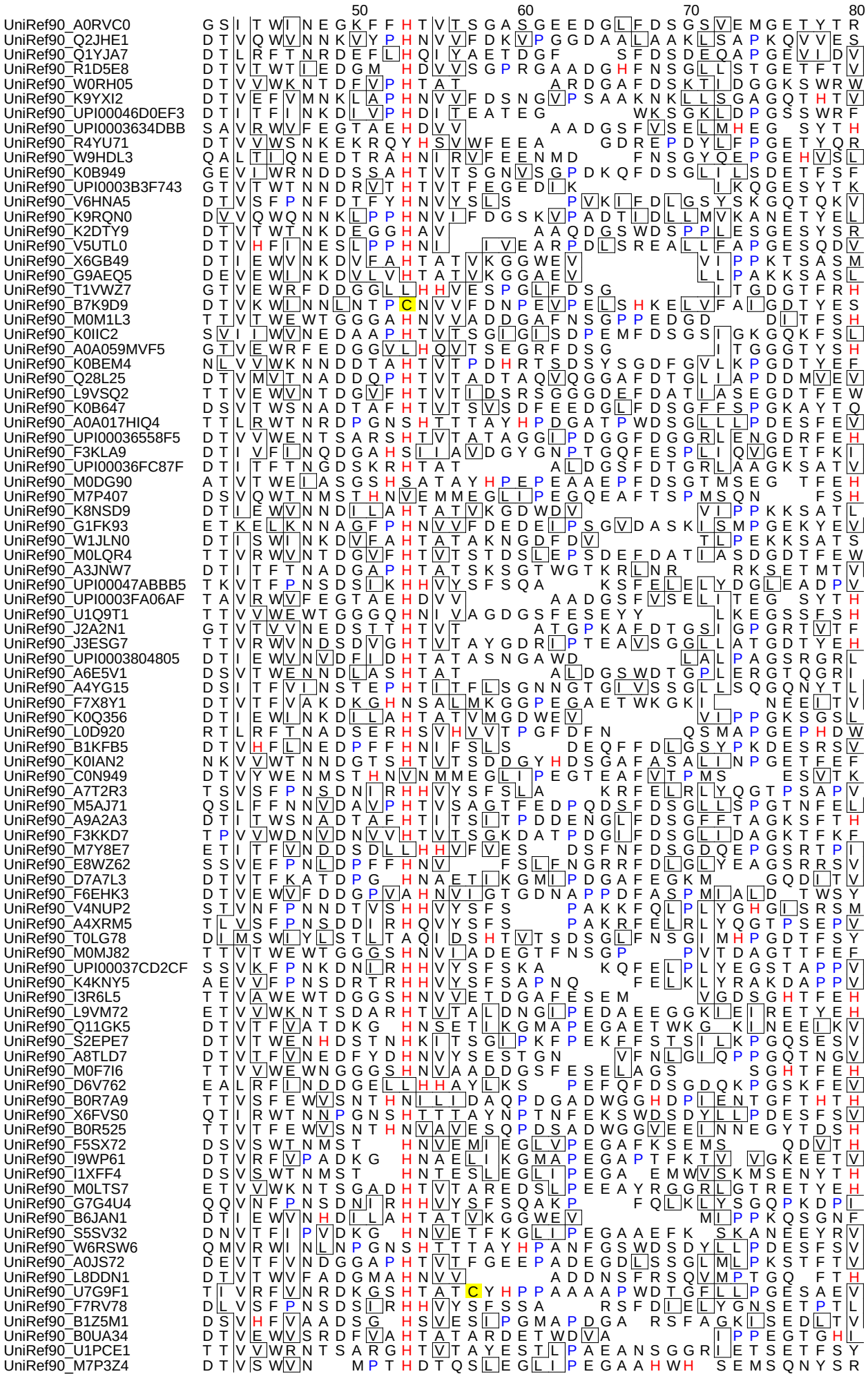

90
100
QUERY T F T E A G T Y D Y H C T P H P F M R G K V V V E
UniRef90_T0D5V9 T F K K S G T Y P Y Y C V Y H P N M V G T V T V
UniRef90_A0A038GP17 V F D K P G T Y K Y F C S L H P H M T G T I V V Q
UniRef90_UPI000464A3A4 T F T A A G D Y K Y F C S L H P H M T G M I K V E
UniRef90_B9XRM9 T F T D A G T Y K Y Y C S I H P R M T G T I V V K
UniRef90_N0BLP5 T F S E K G T Y N Y Y C Q I H P A M K G T V I V E
UniRef90_W5W6A3 T F T K P G S Y S Y Y C A V H P D M K A T L T V
UniRef90_H5YL82 T F T N A G D Y K Y F C S L H P H M T G M I K V E
UniRef90_K9YMC8 T F S E P G E Y N Y Y C E P H A G M N G K V V V Q
UniRef90_UPI000425C331 R F D K P G V Y N V F C G I H P N M K E T I T V Q
UniRef90_H5ST52 T F T T A G Q F P Y R C T I H P S M T G T V I V E
UniRef90_B4EMU3 R F D K P G V Y K V F C G I H P Y M K E T I T V E
UniRef90_Q5Z1G9 T F T V P G T F R Y L C T L H P Q M R G S V T V E
UniRef90_UPI000368D897 T F S D A G T F D Y I C T Y H P Y M K G K I I V N
UniRef90_UPI000471C8FB T F N K K G T Y K Y K C T Y H A G M D G T V I V
UniRef90_UPI0003787384 T F T K S G T Y S Y Y C A I H P D M K A A V T V
UniRef90_X6DG33 T F T K A G D F A Y F C G L H P H M Q G K I T V
UniRef90_P22365 T F N E A G S Y D Y F C T P H P F M R G K V I V E
UniRef90_B8IFA4 T F E K A G T Y R Y F C S L H P H M V G T V V V E
UniRef90_X5L6U7 T F S T P G S F D Y I C S I H P F M R G T V V V
UniRef90_K2AEQ1 V F T K A W E Y N Y Y C S I H P S M K G K I I V K
UniRef90_UPI00047527C6 K A A R K G T F P Y V C T L H P T M K G S V V V K
UniRef90_UPI000471CE17 A P A K P G S Y L Y G C T F H P T M H G T L T V Q
UniRef90_UPI00036909A4 T F S T P G T Y R Y F C S I H P H M T G V I V V K
UniRef90_UPI000477A5AF K F D K P G V Y K I F C G I H P N M K A T I T V Q
UniRef90_K4M6U0 T F T E P G T Y E Y F C T V H P F M
UniRef90_UPI00036C3E46 V F D K P G E I I Y F C G L H P Q M T G K V I V
UniRef90_D5PCG2 T F T A P G T F E Y V C S I H P M M R G T V V V
UniRef90_A4F0L4 A F D Q P G T F P Y F C A F H P H M T A T I I V E
UniRef90_Q7VBL1 T F T E A G T Y D Y Y C E P H A G M V G K V V V N
UniRef90_R4WWI4 V F D K P G T Y K Y F C S L H P H M T G T V V V Q
UniRef90_I3CZU8 T F D E A G T Y D Y F C M V H P W M S G K V I V N
UniRef90_W0SHN2 K F M Q A G S Y S Y R C G P H E E M K G I V V V E
UniRef90_K0INR1 T F T E A G T Y E Y Y C T L H P W M E G T V Q V E
UniRef90_N7A0P7 A F P E A G R F E Y R C G P H P E M L G V V I V E
UniRef90_D5X6L8 T F D K P G S F P Y H C A V H T F M T G T V T V K
UniRef90_D8TJU4 K L T T P G E Y G Y Y C E P H A G M V G K I I V Q
UniRef90_N6XB20 T F D Q P G R V E Y R C G P H P E M R G V I I V E
UniRef90_D1C8A5 T F E E P G M Y S Y W C T L H P T M L G S V T V Q
UniRef90_S2EPT1 K F D E S G E H P Y H C M V H P W M V G K I M V
UniRef90_UPI0003C19BEA T F T K P G E Y A Y F C S L H P H M T G K I V V K
UniRef90_D5WHK2 K F D K P G V Y K I F C G I H P N M R A T I T V Q
UniRef90_A0A010SNV2 Q F N T P G T Y E Y Y C T L H P Q M I G K I I V
UniRef90_I0HZU8 T F S E P G E Y L Y F C N R H S H M T G K V I V
UniRef90_K0SZ08 K F D T A G T Y G Y Y C E P H A G M Q A T L
UniRef90_K0B7H7 T F D D V G T F D Y F C T L H P W M Q G Q V I V E
UniRef90_K0B808 D T T E T G E Y E Y F C I V H P W M V A T L T I E
UniRef90_UPI00036A0E4E T F R Q P G T Y Q Y Y C S V H P D M R A S V T V
UniRef90_W7SAR9 T F T Q A G T F S Y L C T I H P F M T A T V T V
UniRef90_I3D4M0 D T T E I G E H E Y T C S L H P Y M V A T L I I E
UniRef90_H0IWJ4 Q F T K A G T Y T Y V C G I H P F M K A T V V V R
UniRef90_UPI000475D590 T F T K A G T Y Q Y I C S I H P F M K A S V V V
UniRef90_M9R6Z3 T F S G T G S F S Y R C R P H G N M R G S I T V
UniRef90_A9A2P7 T F E K A G D Y N Y F C V I H P W M E G I I F V K
UniRef90_Q8TQ67 T F E Q E G T Y D Y I C T L H P S M E G K V I V
UniRef90_UPI0003652919 K P T K K G N F P Y F C R F H P T M K G T L R V E
UniRef90_Q2W7H2 T F D T P G R Y P Y R C G P H P E M V G V V E V
UniRef90_B3T3H2 T F D T D G T Y D Y F C M V H P W M Q G I V I V Q
UniRef90_B3T3H2 T F D T D G T Y D Y F C M V H P W M Q G I V I V Q
UniRef90_V6AUL4 T F D D V G E F H Y Y C R L H P W M E G T V I V N
UniRef90_C6D4Z4 T L D K P G T Y N Y Y C E L H S F M T G Q I I V K
UniRef90_G8MLJ5 V A H D A G R Y A Y S C T L H P T M H A V L N V R
UniRef90_A3IMH3 T F N E P G E Y T Y Y C E P H A G M V G K V I V K
UniRef90_Q0I8X9 T F T E A G T F D F Y C E P H A G M V G K V I V E
UniRef90_UPI0003670051 T F T E A G E Y E F Y C K P H N F M T G K I I V K
UniRef90_D6XBP4 T F T K V G T Y E Y Y C A V H P D M V S S V K V
UniRef90_X5L9D9 T F T N P G S Y D Y I C S I H P V M R G T V V V
UniRef90_D6TN01 T F S K A G T F S Y H C S V H P S M T A T I I V Q
UniRef90_UPI0004784DD7 K F L Q P G E Y S Y V C T P H P M M K A K V I V E
UniRef90_K8NGF9 T F A T A G T Y D Y F C G L H P H M T G K I V V
UniRef90_K0BAD5 T F N D K G I Y D Y F C M V H P W M T G E I I V N
UniRef90_F7XNC5 T F N E T G T Y D Y M C I Y H P Q M Q G T V I V E
UniRef90_A9A5W7 D T T E I G E Y E Y F C I V H P W M V A T L T I E
UniRef90_Q46S35 K A T R K G E Y P Y I C T L H P T M K G M L R V K
UniRef90_V6ATA4 D T S T P G K Y D Y L C I V H P W M T A A
UniRef90_K0BAA4 T F T D A G T F D Y F C T F H P W M V G T V N V E
UniRef90_UPI00035F1C29 T L T E P G T Y D Y I C A P H P Y M E G R I I V R
UniRef90_M1PTR8 T F E E E G T Y P Y I C S V H P W M E G E V T V
UniRef90_L8MUL2 T F N E A G E F S Y Y C S P H A G M Q G K V I V Q
UniRef90_H6R0W7 T F T T A G S Y R Y L C P I H P E M R G T I T V Q
UniRef90_UPI000372B565 T F D S A G T F D Y F C M V H P W M T G T V I V E
UniRef90_V8D353 T F D D A G T F D Y H C T P H P M M V G T V V V Q
UniRef90_UPI00036DA4B1 R F D N P G T Y A Y H C R P H E S M Q G V I R V
UniRef90_UPI0003B4A385 T F T H S G T F T Y H C L P H P F M K G T I E V R
UniRef90_B1ZNP7 T L T E R G T V R Y A C L L H P T M T G T I I V
UniRef90_K0IHN9 T F D K A G E Y Q Y F C E P H P N M V G T V V V
UniRef90_I3D2E0 T F N D K G S Y D Y F C M V H P W M T G S V T V N
UniRef90_X5JQ61 S F D T P G E Y P F Y C E P H A G M A G K I I V E
UniRef90_UPI000262DD13 T F T T A G S Y G Y V C T V H P N M T A G I T V R
UniRef90_UPI000472E6D8 T F S T A G T F Y Y V C S I H P M M H G T V V V
UniRef90_UPI00046D3C1E T A K E E G A L G Y A C R Y H P G M Q A T L K V Q
UniRef90_UPI00036EFF48 T F N E S G E Y N Y Y C E P H A G M V G K V I V E

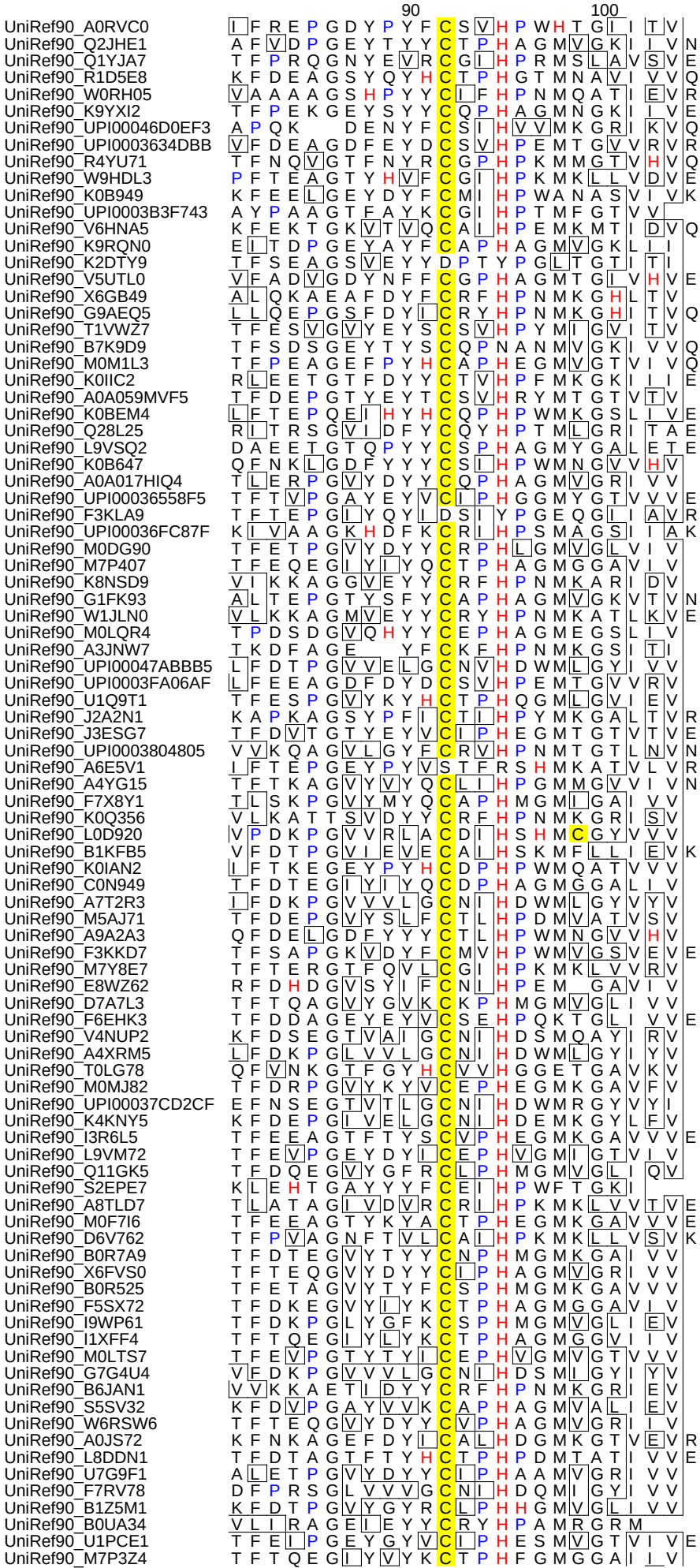

1
10
20
30
40
UniRef90_F9CYK8
UniRef90_E9T2S0
UniRef90_F3KKH2
UniRef90_K0I9V9
UniRef90_F6EQ12
UniRef90_H5X901
UniRef90_UPI000465B73D
UniRef90_I3D496
UniRef90_K0B7I7
UniRef90_A9A2L1
UniRef90_Q7NSC9
UniRef90_UPI0003B36775
UniRef90_UPI0004716023
UniRef90_V6KCC7
UniRef90_K9RLA6
UniRef90_UPI0004679A70
UniRef90_U5DRY6
UniRef90_K2CPJ6
UniRef90_K9PSZ1
UniRef90_B3T4X5
UniRef90_D1YY34
UniRef90_G2DES6
UniRef90_K0B596
UniRef90_UPI00036F9A49
UniRef90_W7S924
UniRef90_Q2JKE4
UniRef90_K0BCD0
UniRef90_Q489B5
UniRef90_M0CWX2
UniRef90_J2KB30
UniRef90_K4M7W1
UniRef90_UPI000382E243
UniRef90_UPI000477823A
UniRef90_UPI000379E746
UniRef90_L0A4J2
UniRef90_UPI000477B9A1
UniRef90_UPI00034BEC78
UniRef90_V6AU92
UniRef90_K4MA81
UniRef90_Q5V701
UniRef90_A7YXT4
UniRef90_C3N6V0
UniRef90_K0IN94
UniRef90_Q3M9H8
UniRef90_UPI000475EA70
UniRef90_E7QWT8
UniRef90_X0MXY5
UniRef90_W8I711
UniRef90_K0IM46
UniRef90_UPI0003601982
UniRef90_E4NW69
UniRef90_UPI00047B102C
UniRef90_UPI00047617F7
UniRef90_B6B5N4
UniRef90_E4NP39
UniRef90_D4GWA4
UniRef90_W5HJN4
UniRef90_Q3JI80
UniRef90_I2JHF2
UniRef90_K0IIG6
UniRef90_C7QET2
UniRef90_H0SA63
UniRef90_UPI00036E74B6
UniRef90_M3C7A8
UniRef90_UPI0003B78B2A
UniRef90_E4NT81
UniRef90_M4UCP5
UniRef90_UPI0003749C85
UniRef90_I0W8R4
UniRef90_I1XFG3
UniRef90_UPI00045E7DB1
UniRef90_M0FNC2
UniRef90_C7BV88
UniRef90_D7BCC8
UniRef90_C1CVR2
UniRef90_A7IB27
UniRef90_D2UCQ1
UniRef90_F4XNC8
UniRef90_M0DW05
UniRef90_I3R3Y9
UniRef90_P00288
UniRef90_O22646
UniRef90_P35476
UniRef90_D8J4T0
UniRef90_A9A1W0
UniRef90_W8X3N1
UniRef90_Q00GM1
UniRef90_UPI00036DBD42
UniRef90_D4TUY3
UniRef90_D7E274
UniRef90_R4W3M0
UniRef90_R4VTW9

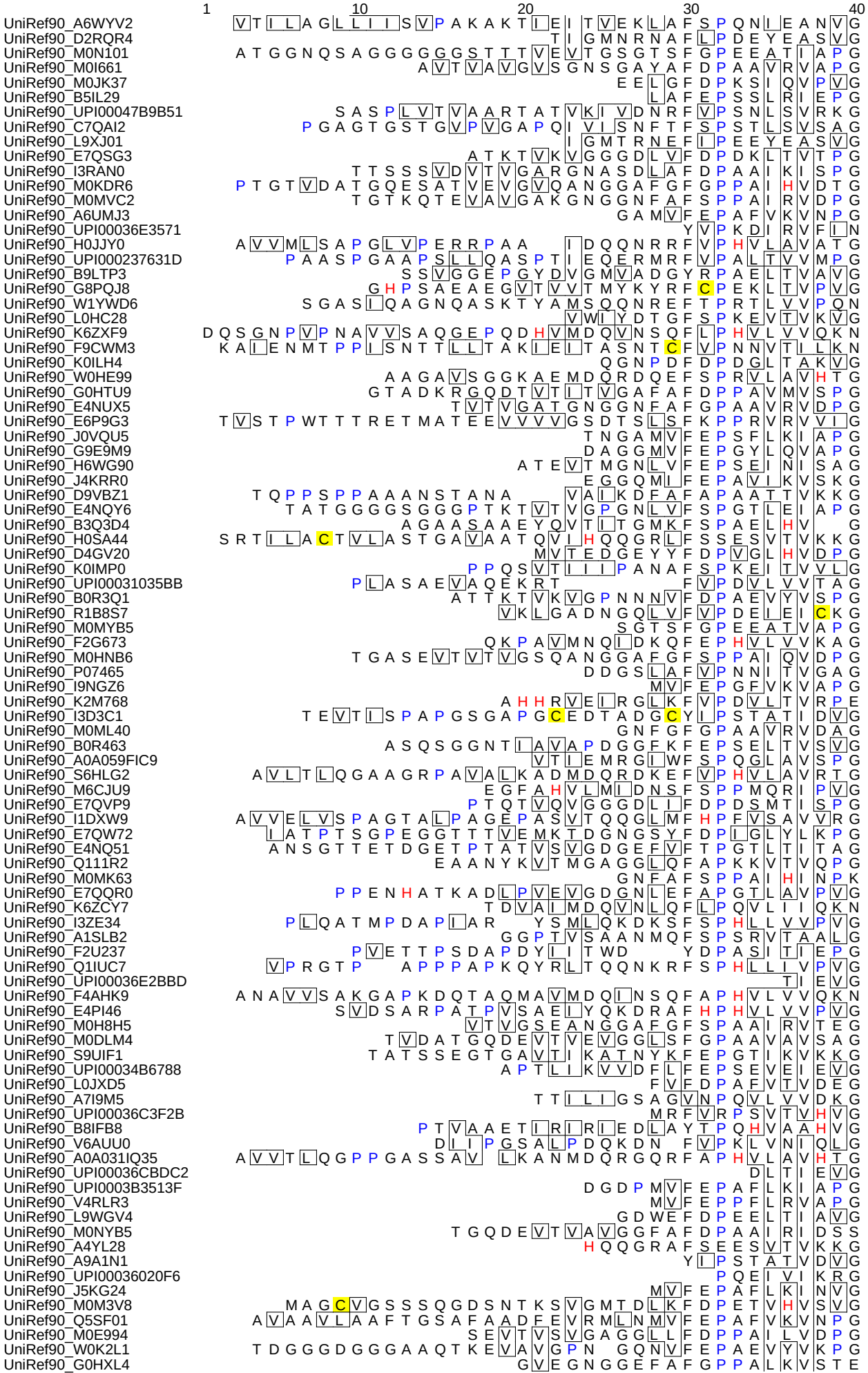

50
60
70
80
UniRef90_F9CYK8
UniRef90_E9T2S0
UniRef90_F3KKH2
UniRef90_K0I9V9
UniRef90_F6EQ12
UniRef90_H5X901
UniRef90_UPI000465B73D
UniRef90_I3D496
UniRef90_K0B7I7
UniRef90_A9A2L1
UniRef90_Q7NSC9
UniRef90_UPI0003B36775
UniRef90_UPI0004716023
UniRef90_V6KCC7
UniRef90_K9RLA6
UniRef90_UPI0004679A70
UniRef90_U5DRY6
UniRef90_K2CPJ6
UniRef90_K9PSZ1
UniRef90_B3T4X5
UniRef90_D1YY34
UniRef90_G2DES6
UniRef90_K0B596
UniRef90_UPI00036F9A49
UniRef90_W7S924
UniRef90_Q2JKE4
UniRef90_K0BCD0
UniRef90_Q489B5
UniRef90_M0CWX2
UniRef90_J2KB30
UniRef90_K4M7W1
UniRef90_UPI000382E243
UniRef90_UPI000477823A
UniRef90_UPI000379E746
UniRef90_L0A4J2
UniRef90_UPI000477B9A1
UniRef90_UPI00034BEC78
UniRef90_V6AU92
UniRef90_K4MA81
UniRef90_Q5V701
UniRef90_A7YXT4
UniRef90_C3N6V0
UniRef90_K0IN94
UniRef90_Q3M9H8
UniRef90_UPI000475EA70
UniRef90_E7QWT8
UniRef90_X0MXY5
UniRef90_W8I711
UniRef90_K0IM46
UniRef90_UPI0003601982
UniRef90_E4NW69
UniRef90_UPI00047B102C
UniRef90_UPI00047617F7
UniRef90_B6B5N4
UniRef90_E4NP39
UniRef90_D4GWA4
UniRef90_W5HJN4
UniRef90_Q3JI80
UniRef90_I2JHF2
UniRef90_K0IIG6
UniRef90_C7QET2
UniRef90_H0SA63
UniRef90_UPI00036E74B6
UniRef90_M3C7A8
UniRef90_UPI0003B78B2A
UniRef90_E4NT81
UniRef90_M4UCP5
UniRef90_UPI0003749C85
UniRef90_I0W8R4
UniRef90_I1XFG3
UniRef90_UPI00045E7DB1
UniRef90_M0FNC2
UniRef90_C7BV88
UniRef90_D7BCC8
UniRef90_C1CVR2
UniRef90_A7IB27
UniRef90_D2UCQ1
UniRef90_F4XNC8
UniRef90_M0DW05
UniRef90_I3R3Y9
UniRef90_P00288
UniRef90_O22646
UniRef90_P35476
UniRef90_D8J4T0
UniRef90_A9A1W0
UniRef90_W8X3N1
UniRef90_Q00GM1
UniRef90_UPI00036DBD42
UniRef90_D4TUY3
UniRef90_D7E274
UniRef90_R4W3M0
UniRef90_R4VTW9

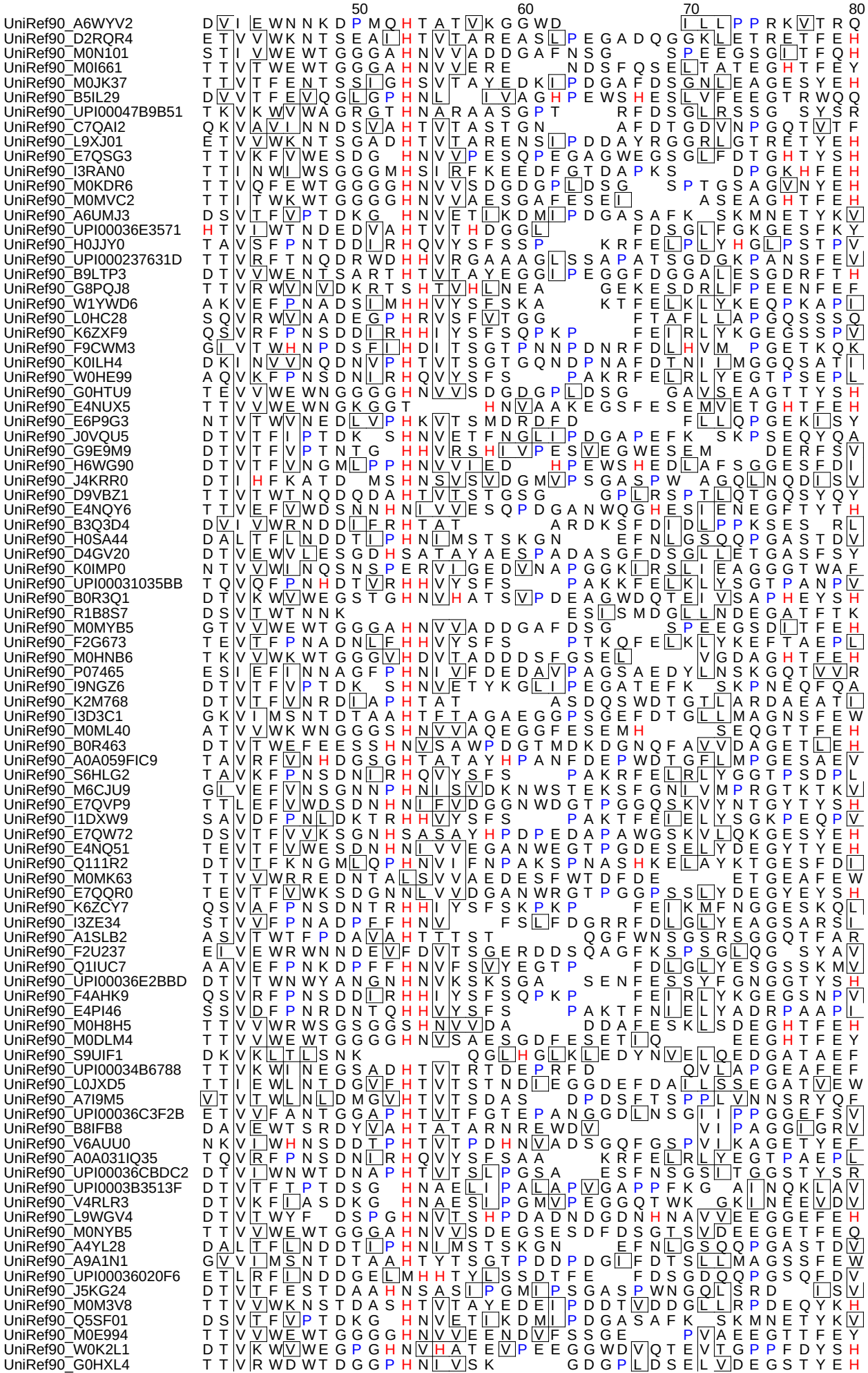

90
100
UniRef90_F9CYK8
UniRef90_E9T2S0
UniRef90_F3KKH2
UniRef90_K0I9V9
UniRef90_F6EQ12
UniRef90_H5X901
UniRef90_UPI000465B73D
UniRef90_I3D496
UniRef90_K0B7I7
UniRef90_A9A2L1
UniRef90_Q7NSC9
UniRef90_UPI0003B36775
UniRef90_UPI0004716023
UniRef90_V6KCC7
UniRef90_K9RLA6
UniRef90_UPI0004679A70
UniRef90_U5DRY6
UniRef90_K2CPJ6
UniRef90_K9PSZ1
UniRef90_B3T4X5
UniRef90_D1YY34
UniRef90_G2DES6
UniRef90_K0B596
UniRef90_UPI00036F9A49
UniRef90_W7S924
UniRef90_Q2JKE4
UniRef90_K0BCD0
UniRef90_Q489B5
UniRef90_M0CWX2
UniRef90_J2KB30
UniRef90_K4M7W1
UniRef90_UPI000382E243
UniRef90_UPI000477823A
UniRef90_UPI000379E746
UniRef90_L0A4J2
UniRef90_UPI000477B9A1
UniRef90_UPI00034BEC78
UniRef90_V6AU92
UniRef90_K4MA81
UniRef90_Q5V701
UniRef90_A7YXT4
UniRef90_C3N6V0
UniRef90_K0IN94
UniRef90_Q3M9H8
UniRef90_UPI000475EA70
UniRef90_E7QWT8
UniRef90_X0MXY5
UniRef90_W8I711
UniRef90_K0IM46
UniRef90_UPI0003601982
UniRef90_E4NW69
UniRef90_UPI00047B102C
UniRef90_UPI00047617F7
UniRef90_B6B5N4
UniRef90_E4NP39
UniRef90_D4GWA4
UniRef90_W5HJN4
UniRef90_Q3JI80
UniRef90_I2JHF2
UniRef90_K0IIG6
UniRef90_C7QET2
UniRef90_H0SA63
UniRef90_UPI00036E74B6
UniRef90_M3C7A8
UniRef90_UPI0003B78B2A
UniRef90_E4NT81
UniRef90_M4UCP5
UniRef90_UPI0003749C85
UniRef90_I0W8R4
UniRef90_I1XFG3
UniRef90_UPI00045E7DB1
UniRef90_M0FNC2
UniRef90_C7BV88
UniRef90_D7BCC8
UniRef90_C1CVR2
UniRef90_A7IB27
UniRef90_D2UCQ1
UniRef90_F4XNC8
UniRef90_M0DW05
UniRef90_I3R3Y9
UniRef90_P00288
UniRef90_O22646
UniRef90_P35476
UniRef90_D8J4T0
UniRef90_A9A1W0
UniRef90_W8X3N1
UniRef90_Q00GM1
UniRef90_UPI00036DBD42
UniRef90_D4TUY3
UniRef90_D7E274
UniRef90_R4W3M0
UniRef90_R4VTW9

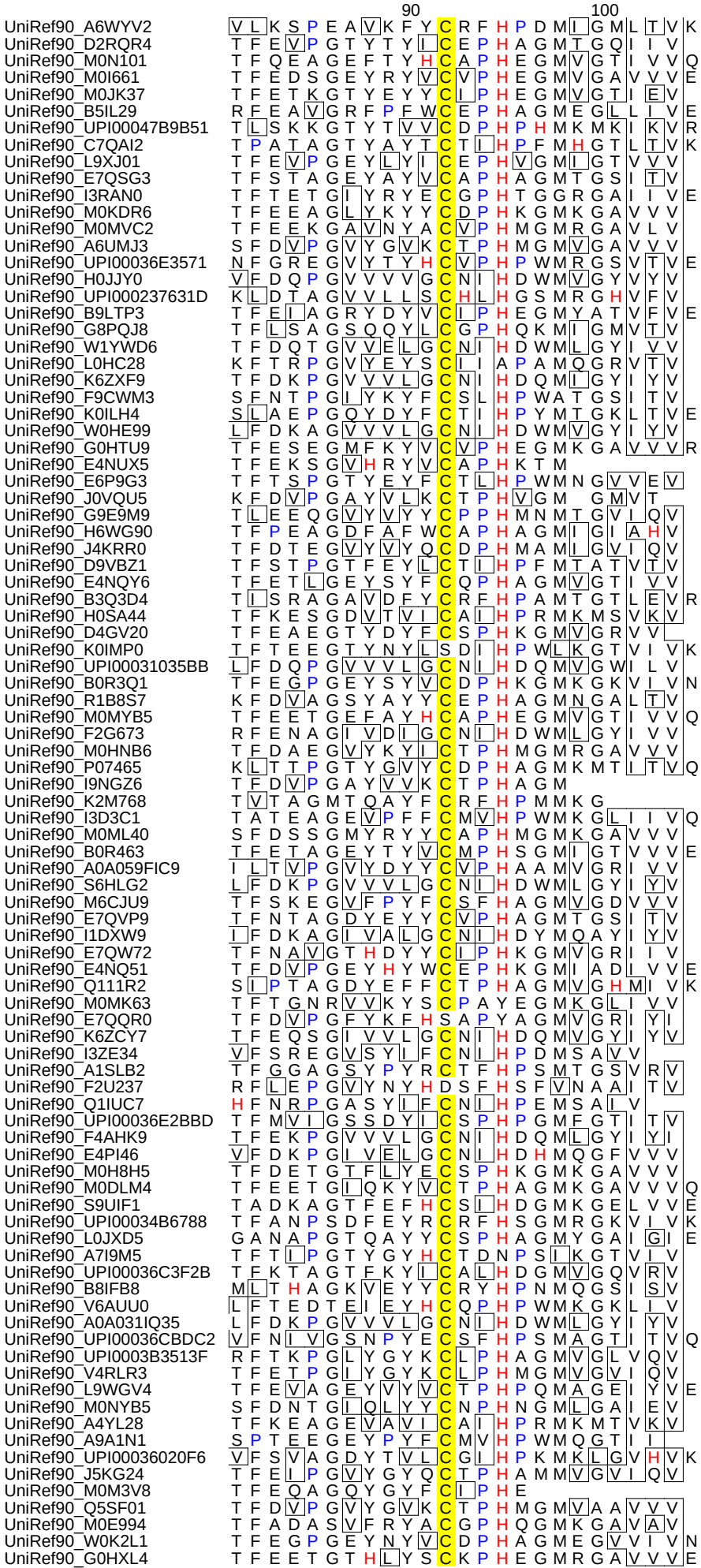

1
10
20
30
40
UniRef90_A0RVC0
UniRef90_Q2JHE1
UniRef90_Q1YJA7
UniRef90_R1D5E8
UniRef90_W0RH05
UniRef90_K9YXI2
UniRef90_UPI00046D0EF3
UniRef90_UPI0003634DBB
UniRef90_R4YU71
UniRef90_W9HDL3
UniRef90_K0B949
UniRef90_UPI0003B3F743
UniRef90_V6HNA5
UniRef90_K9RQN0
UniRef90_K2DTY9
UniRef90_V5UTL0
UniRef90_X6GB49
UniRef90_G9AEQ5
UniRef90_T1VWZ7
UniRef90_B7K9D9
UniRef90_M0M1L3
UniRef90_K0IIC2
UniRef90_A0A059MVF5
UniRef90_K0BEM4
UniRef90_Q28L25
UniRef90_L9VSQ2
UniRef90_K0B647
UniRef90_A0A017HIQ4
UniRef90_UPI00036558F5
UniRef90_F3KLA9
UniRef90_UPI00036FC87F
UniRef90_M0DG90
UniRef90_M7P407
UniRef90_K8NSD9
UniRef90_G1FK93
UniRef90_W1JLN0
UniRef90_M0LQR4
UniRef90_A3JNW7
UniRef90_UPI00047ABBB5
UniRef90_UPI0003FA06AF
UniRef90_U1Q9T1
UniRef90_J2A2N1
UniRef90_J3ESG7
UniRef90_UPI0003804805
UniRef90_A6E5V1
UniRef90_A4YG15
UniRef90_F7X8Y1
UniRef90_K0Q356
UniRef90_L0D920
UniRef90_B1KFB5
UniRef90_K0IAN2
UniRef90_C0N949
UniRef90_A7T2R3
UniRef90_M5AJ71
UniRef90_A9A2A3
UniRef90_F3KKD7
UniRef90_M7Y8E7
UniRef90_E8WZ62
UniRef90_D7A7L3
UniRef90_F6EHK3
UniRef90_V4NUP2
UniRef90_A4XRM5
UniRef90_T0LG78
UniRef90_M0MJ82
UniRef90_UPI00037CD2CF
UniRef90_K4KNY5
UniRef90_I3R6L5
UniRef90_L9VM72
UniRef90_Q11GK5
UniRef90_S2EPE7
UniRef90_A8TLD7
UniRef90_M0F7I6
UniRef90_D6V762
UniRef90_B0R7A9
UniRef90_X6FVS0
UniRef90_B0R525
UniRef90_F5SX72
UniRef90_I9WP61
UniRef90_I1XFF4
UniRef90_M0LTS7
UniRef90_G7G4U4
UniRef90_B6JAN1
UniRef90_S5SV32
UniRef90_W6RSW6
UniRef90_A0JS72
UniRef90_L8DDN1
UniRef90_U7G9F1
UniRef90_F7RV78
UniRef90_B1Z5M1
UniRef90_B0UA34
UniRef90_U1PCE1
UniRef90_M7P3Z4

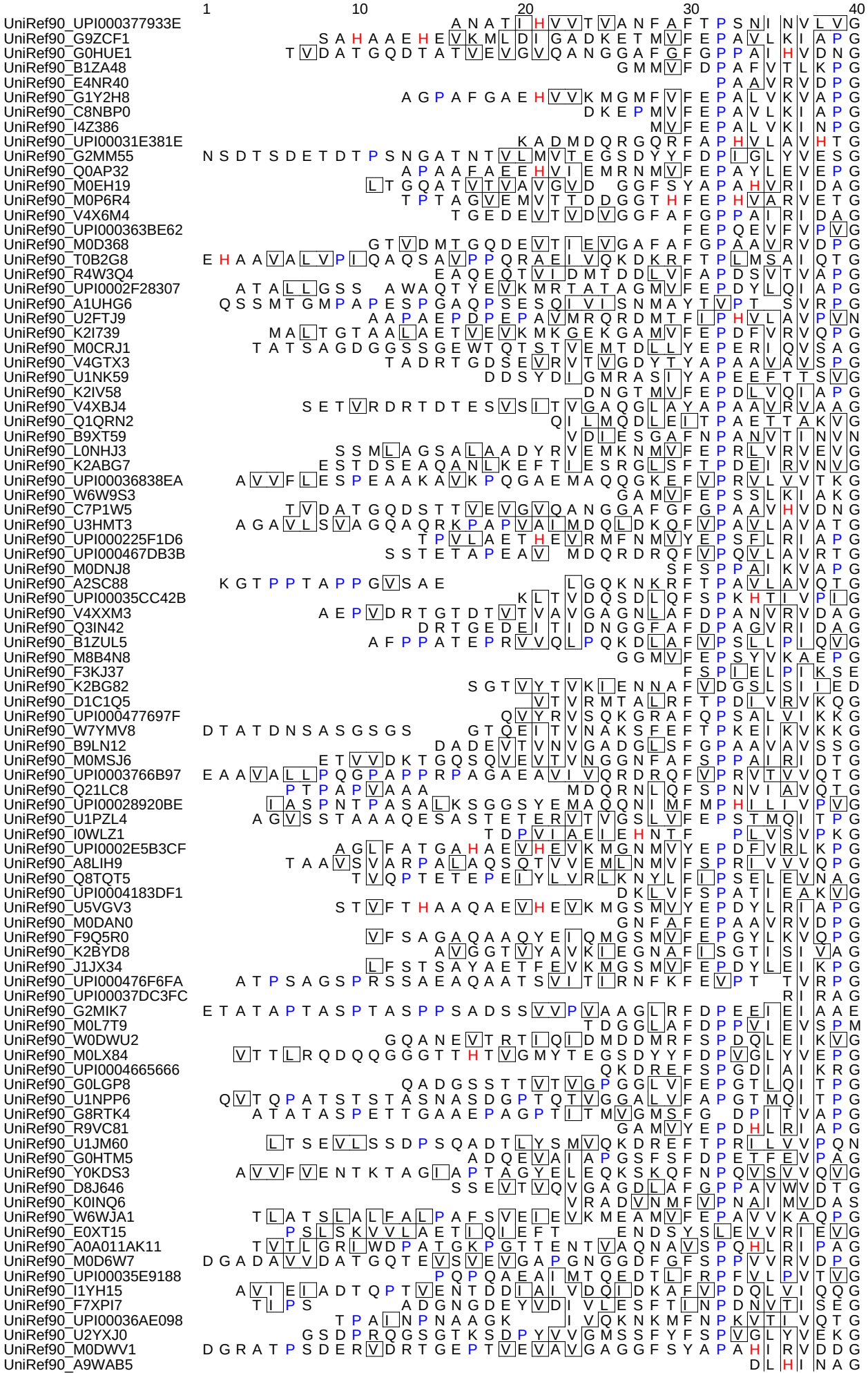

50
60
70
80
UniRef90_A0RVC0
UniRef90_Q2JHE1
UniRef90_Q1YJA7
UniRef90_R1D5E8
UniRef90_W0RH05
UniRef90_K9YXI2
UniRef90_UPI00046D0EF3
UniRef90_UPI0003634DBB
UniRef90_R4YU71
UniRef90_W9HDL3
UniRef90_K0B949
UniRef90_UPI0003B3F743
UniRef90_V6HNA5
UniRef90_K9RQN0
UniRef90_K2DTY9
UniRef90_V5UTL0
UniRef90_X6GB49
UniRef90_G9AEQ5
UniRef90_T1VWZ7
UniRef90_B7K9D9
UniRef90_M0M1L3
UniRef90_K0IIC2
UniRef90_A0A059MVF5
UniRef90_K0BEM4
UniRef90_Q28L25
UniRef90_L9VSQ2
UniRef90_K0B647
UniRef90_A0A017HIQ4
UniRef90_UPI00036558F5
UniRef90_F3KLA9
UniRef90_UPI00036FC87F
UniRef90_M0DG90
UniRef90_M7P407
UniRef90_K8NSD9
UniRef90_G1FK93
UniRef90_W1JLN0
UniRef90_M0LQR4
UniRef90_A3JNW7
UniRef90_UPI00047ABBB5
UniRef90_UPI0003FA06AF
UniRef90_U1Q9T1
UniRef90_J2A2N1
UniRef90_J3ESG7
UniRef90_UPI0003804805
UniRef90_A6E5V1
UniRef90_A4YG15
UniRef90_F7X8Y1
UniRef90_K0Q356
UniRef90_L0D920
UniRef90_B1KFB5
UniRef90_K0IAN2
UniRef90_C0N949
UniRef90_A7T2R3
UniRef90_M5AJ71
UniRef90_A9A2A3
UniRef90_F3KKD7
UniRef90_M7Y8E7
UniRef90_E8WZ62
UniRef90_D7A7L3
UniRef90_F6EHK3
UniRef90_V4NUP2
UniRef90_A4XRM5
UniRef90_T0LG78
UniRef90_M0MJ82
UniRef90_UPI00037CD2CF
UniRef90_K4KNY5
UniRef90_I3R6L5
UniRef90_L9VM72
UniRef90_Q11GK5
UniRef90_S2EPE7
UniRef90_A8TLD7
UniRef90_M0F7I6
UniRef90_D6V762
UniRef90_B0R7A9
UniRef90_X6FVS0
UniRef90_B0R525
UniRef90_F5SX72
UniRef90_I9WP61
UniRef90_I1XFF4
UniRef90_M0LTS7
UniRef90_G7G4U4
UniRef90_B6JAN1
UniRef90_S5SV32
UniRef90_W6RSW6
UniRef90_A0JS72
UniRef90_L8DDN1
UniRef90_U7G9F1
UniRef90_F7RV78
UniRef90_B1Z5M1
UniRef90_B0UA34
UniRef90_U1PCE1
UniRef90_M7P3Z4

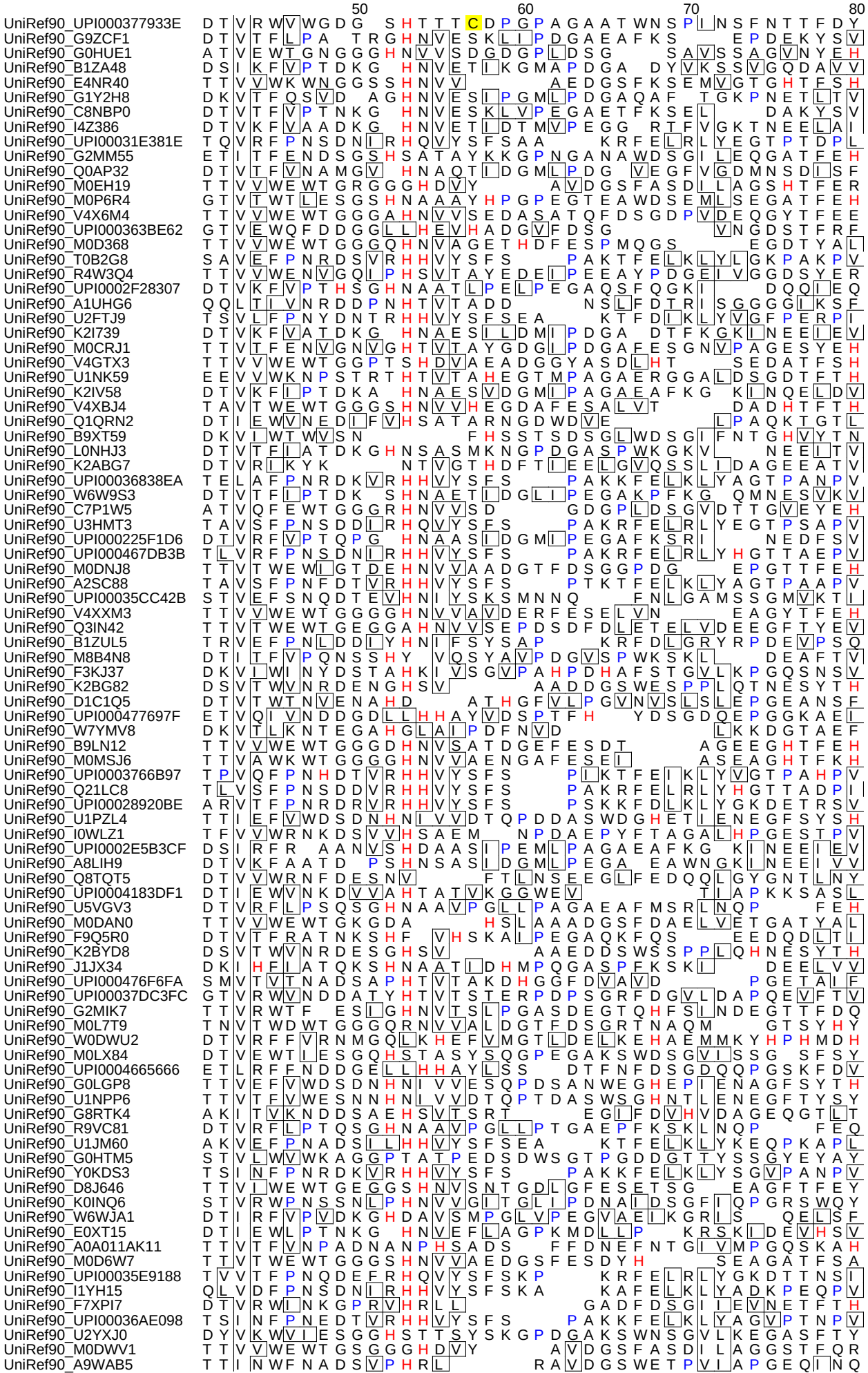

90
100
UniRef90_A0RVC0
UniRef90_Q2JHE1
UniRef90_Q1YJA7
UniRef90_R1D5E8
UniRef90_W0RH05
UniRef90_K9YXI2
UniRef90_UPI00046D0EF3
UniRef90_UPI0003634DBB
UniRef90_R4YU71
UniRef90_W9HDL3
UniRef90_K0B949
UniRef90_UPI0003B3F743
UniRef90_V6HNA5
UniRef90_K9RQN0
UniRef90_K2DTY9
UniRef90_V5UTL0
UniRef90_X6GB49
UniRef90_G9AEQ5
UniRef90_T1VWZ7
UniRef90_B7K9D9
UniRef90_M0M1L3
UniRef90_K0IIC2
UniRef90_A0A059MVF5
UniRef90_K0BEM4
UniRef90_Q28L25
UniRef90_L9VSQ2
UniRef90_K0B647
UniRef90_A0A017HIQ4
UniRef90_UPI00036558F5
UniRef90_F3KLA9
UniRef90_UPI00036FC87F
UniRef90_M0DG90
UniRef90_M7P407
UniRef90_K8NSD9
UniRef90_G1FK93
UniRef90_W1JLN0
UniRef90_M0LQR4
UniRef90_A3JNW7
UniRef90_UPI00047ABBB5
UniRef90_UPI0003FA06AF
UniRef90_U1Q9T1
UniRef90_J2A2N1
UniRef90_J3ESG7
UniRef90_UPI0003804805
UniRef90_A6E5V1
UniRef90_A4YG15
UniRef90_F7X8Y1
UniRef90_K0Q356
UniRef90_L0D920
UniRef90_B1KFB5
UniRef90_K0IAN2
UniRef90_C0N949
UniRef90_A7T2R3
UniRef90_M5AJ71
UniRef90_A9A2A3
UniRef90_F3KKD7
UniRef90_M7Y8E7
UniRef90_E8WZ62
UniRef90_D7A7L3
UniRef90_F6EHK3
UniRef90_V4NUP2
UniRef90_A4XRM5
UniRef90_T0LG78
UniRef90_M0MJ82
UniRef90_UPI00037CD2CF
UniRef90_K4KNY5
UniRef90_I3R6L5
UniRef90_L9VM72
UniRef90_Q11GK5
UniRef90_S2EPE7
UniRef90_A8TLD7
UniRef90_M0F7I6
UniRef90_D6V762
UniRef90_B0R7A9
UniRef90_X6FVS0
UniRef90_B0R525
UniRef90_F5SX72
UniRef90_I9WP61
UniRef90_I1XFF4
UniRef90_M0LTS7
UniRef90_G7G4U4
UniRef90_B6JAN1
UniRef90_S5SV32
UniRef90_W6RSW6
UniRef90_A0JS72
UniRef90_L8DDN1
UniRef90_U7G9F1
UniRef90_F7RV78
UniRef90_B1Z5M1
UniRef90_B0UA34
UniRef90_U1PCE1
UniRef90_M7P3Z4

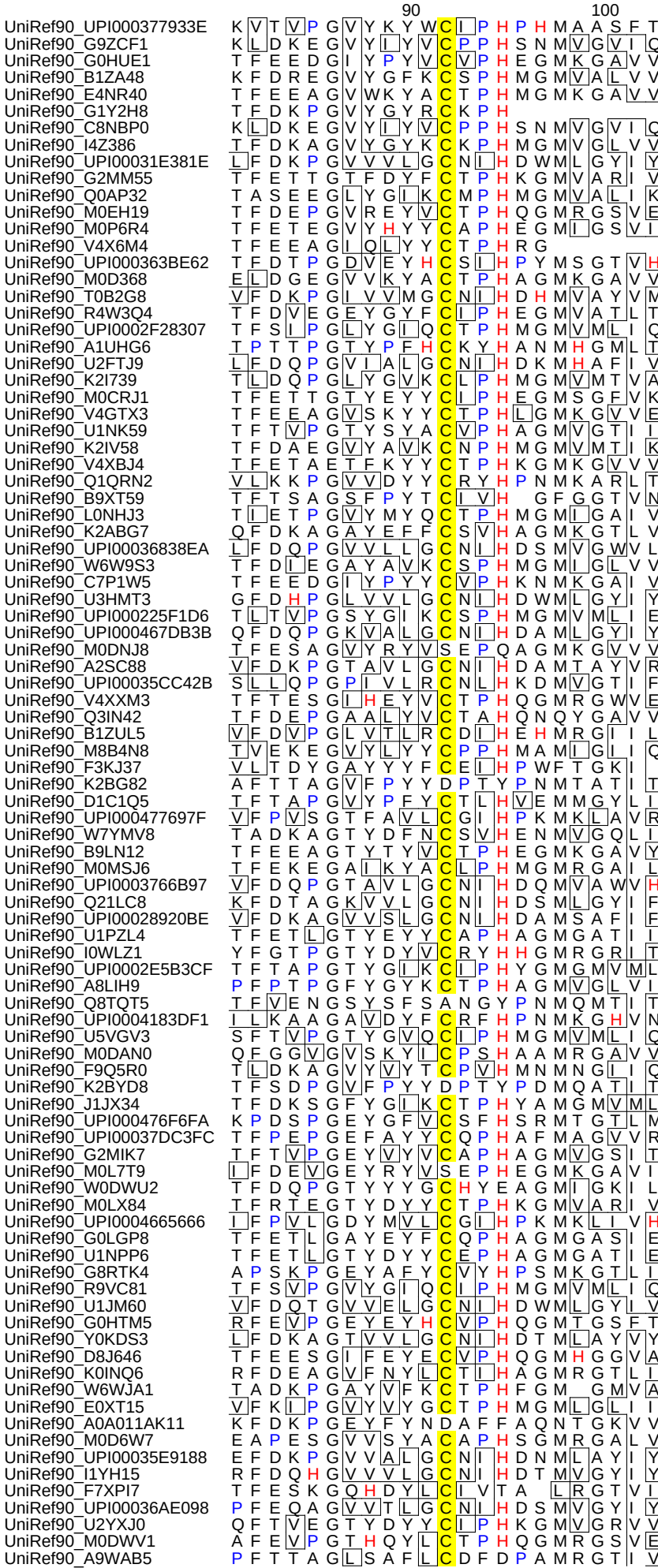

1
10
20
30
40
UniRef90_A6WYV2
UniRef90_D2RQR4
UniRef90_M0N101
UniRef90_M0I661
UniRef90_M0JK37
UniRef90_B5IL29
UniRef90_UPI00047B9B51
UniRef90_C7QAI2
UniRef90_L9XJ01
UniRef90_E7QSG3
UniRef90_I3RAN0
UniRef90_M0KDR6
UniRef90_M0MVC2
UniRef90_A6UMJ3
UniRef90_UPI00036E3571
UniRef90_H0JJY0
UniRef90_UPI000237631D
UniRef90_B9LTP3
UniRef90_G8PQJ8
UniRef90_W1YWD6
UniRef90_L0HC28
UniRef90_K6ZXF9
UniRef90_F9CWM3
UniRef90_K0ILH4
UniRef90_W0HE99
UniRef90_G0HTU9
UniRef90_E4NUX5
UniRef90_E6P9G3
UniRef90_J0VQU5
UniRef90_G9E9M9
UniRef90_H6WG90
UniRef90_J4KRR0
UniRef90_D9VBZ1
UniRef90_E4NQY6
UniRef90_B3Q3D4
UniRef90_H0SA44
UniRef90_D4GV20
UniRef90_K0IMP0
UniRef90_UPI00031035BB
UniRef90_B0R3Q1
UniRef90_R1B8S7
UniRef90_M0MYB5
UniRef90_F2G673
UniRef90_M0HNB6
UniRef90_P07465
UniRef90_I9NGZ6
UniRef90_K2M768
UniRef90_I3D3C1
UniRef90_M0ML40
UniRef90_B0R463
UniRef90_A0A059FIC9
UniRef90_S6HLG2
UniRef90_M6CJU9
UniRef90_E7QVP9
UniRef90_I1DXW9
UniRef90_E7QW72
UniRef90_E4NQ51
UniRef90_Q111R2
UniRef90_M0MK63
UniRef90_E7QQR0
UniRef90_K6ZCY7
UniRef90_I3ZE34
UniRef90_A1SLB2
UniRef90_F2U237
UniRef90_Q1IUC7
UniRef90_UPI00036E2BBD
UniRef90_F4AHK9
UniRef90_E4PI46
UniRef90_M0H8H5
UniRef90_M0DLM4
UniRef90_S9UIF1
UniRef90_UPI00034B6788
UniRef90_L0JXD5
UniRef90_A7I9M5
UniRef90_UPI00036C3F2B
UniRef90_B8IFB8
UniRef90_V6AUU0
UniRef90_A0A031IQ35
UniRef90_UPI00036CBDC2
UniRef90_UPI0003B3513F
UniRef90_V4RLR3
UniRef90_L9WGV4
UniRef90_M0NYB5
UniRef90_A4YL28
UniRef90_A9A1N1
UniRef90_UPI00036020F6
UniRef90_J5KG24
UniRef90_M0M3V8
UniRef90_Q5SF01
UniRef90_M0E994
UniRef90_W0K2L1
UniRef90_G0HXL4

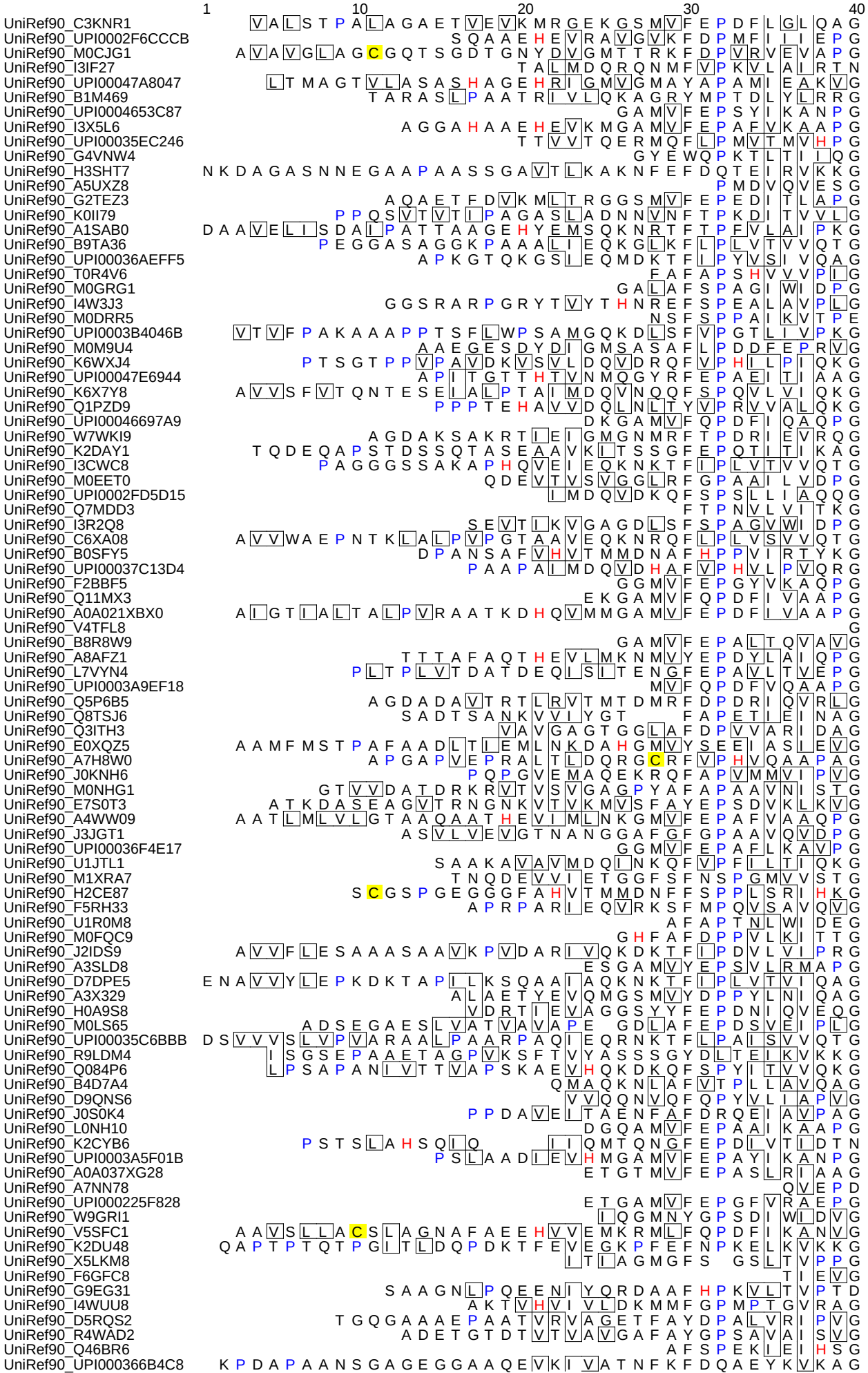

50
60
70
80
UniRef90_A6WYV2
UniRef90_D2RQR4
UniRef90_M0N101
UniRef90_M0I661
UniRef90_M0JK37
UniRef90_B5IL29
UniRef90_UPI00047B9B51
UniRef90_C7QAI2
UniRef90_L9XJ01
UniRef90_E7QSG3
UniRef90_I3RAN0
UniRef90_M0KDR6
UniRef90_M0MVC2
UniRef90_A6UMJ3
UniRef90_UPI00036E3571
UniRef90_H0JJY0
UniRef90_UPI000237631D
UniRef90_B9LTP3
UniRef90_G8PQJ8
UniRef90_W1YWD6
UniRef90_L0HC28
UniRef90_K6ZXF9
UniRef90_F9CWM3
UniRef90_K0ILH4
UniRef90_W0HE99
UniRef90_G0HTU9
UniRef90_E4NUX5
UniRef90_E6P9G3
UniRef90_J0VQU5
UniRef90_G9E9M9
UniRef90_H6WG90
UniRef90_J4KRR0
UniRef90_D9VBZ1
UniRef90_E4NQY6
UniRef90_B3Q3D4
UniRef90_H0SA44
UniRef90_D4GV20
UniRef90_K0IMP0
UniRef90_UPI00031035BB
UniRef90_B0R3Q1
UniRef90_R1B8S7
UniRef90_M0MYB5
UniRef90_F2G673
UniRef90_M0HNB6
UniRef90_P07465
UniRef90_I9NGZ6
UniRef90_K2M768
UniRef90_I3D3C1
UniRef90_M0ML40
UniRef90_B0R463
UniRef90_A0A059FIC9
UniRef90_S6HLG2
UniRef90_M6CJU9
UniRef90_E7QVP9
UniRef90_I1DXW9
UniRef90_E7QW72
UniRef90_E4NQ51
UniRef90_Q111R2
UniRef90_M0MK63
UniRef90_E7QQR0
UniRef90_K6ZCY7
UniRef90_I3ZE34
UniRef90_A1SLB2
UniRef90_F2U237
UniRef90_Q1IUC7
UniRef90_UPI00036E2BBD
UniRef90_F4AHK9
UniRef90_E4PI46
UniRef90_M0H8H5
UniRef90_M0DLM4
UniRef90_S9UIF1
UniRef90_UPI00034B6788
UniRef90_L0JXD5
UniRef90_A7I9M5
UniRef90_UPI00036C3F2B
UniRef90_B8IFB8
UniRef90_V6AUU0
UniRef90_A0A031IQ35
UniRef90_UPI00036CBDC2
UniRef90_UPI0003B3513F
UniRef90_V4RLR3
UniRef90_L9WGV4
UniRef90_M0NYB5
UniRef90_A4YL28
UniRef90_A9A1N1
UniRef90_UPI00036020F6
UniRef90_J5KG24
UniRef90_M0M3V8
UniRef90_Q5SF01
UniRef90_M0E994
UniRef90_W0K2L1
UniRef90_G0HXL4

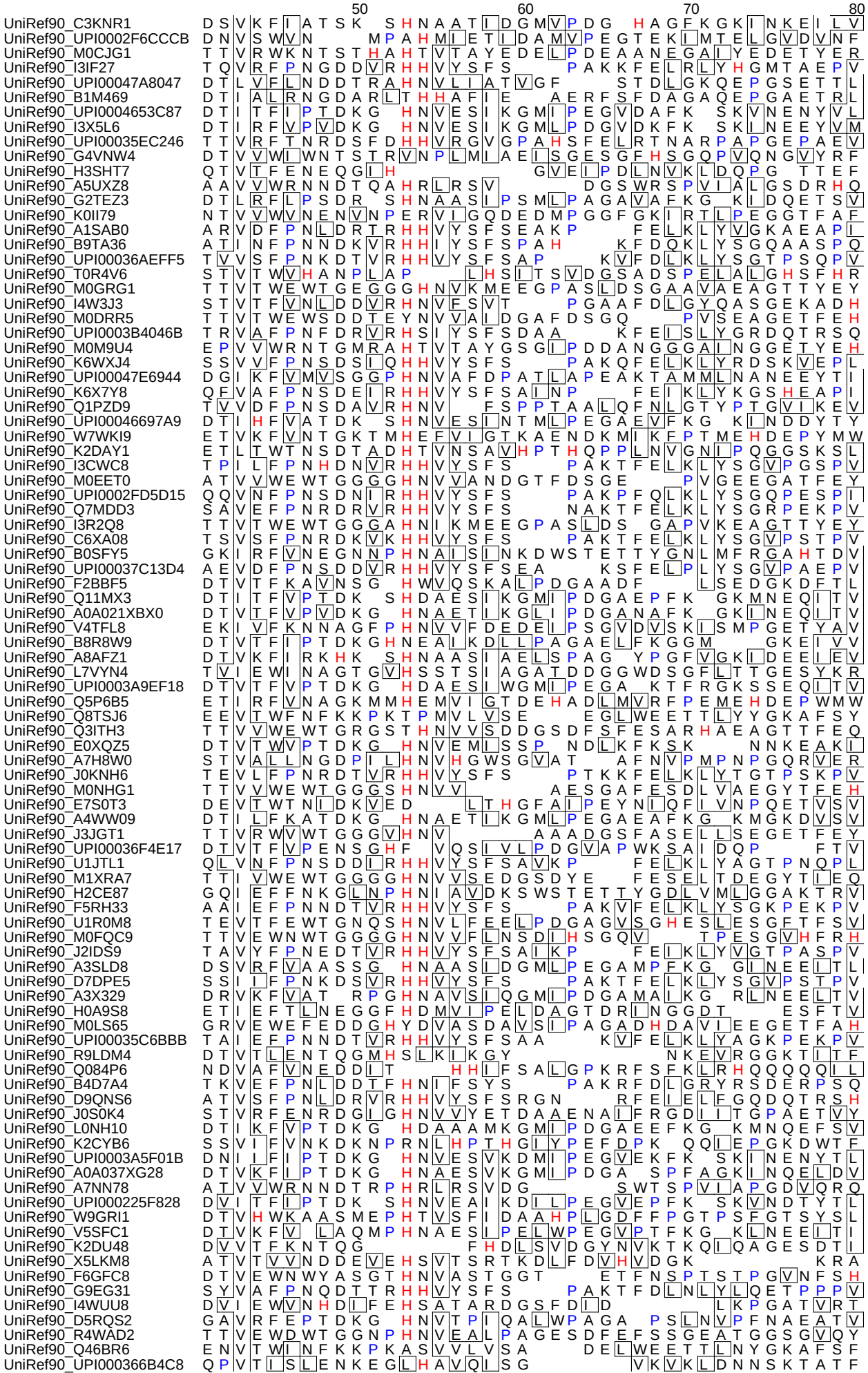

90
100
UniRef90_A6WYV2
UniRef90_D2RQR4
UniRef90_M0N101
UniRef90_M0I661
UniRef90_M0JK37
UniRef90_B5IL29
UniRef90_UPI00047B9B51
UniRef90_C7QAI2
UniRef90_L9XJ01
UniRef90_E7QSG3
UniRef90_I3RAN0
UniRef90_M0KDR6
UniRef90_M0MVC2
UniRef90_A6UMJ3
UniRef90_UPI00036E3571
UniRef90_H0JJY0
UniRef90_UPI000237631D
UniRef90_B9LTP3
UniRef90_G8PQJ8
UniRef90_W1YWD6
UniRef90_L0HC28
UniRef90_K6ZXF9
UniRef90_F9CWM3
UniRef90_K0ILH4
UniRef90_W0HE99
UniRef90_G0HTU9
UniRef90_E4NUX5
UniRef90_E6P9G3
UniRef90_J0VQU5
UniRef90_G9E9M9
UniRef90_H6WG90
UniRef90_J4KRR0
UniRef90_D9VBZ1
UniRef90_E4NQY6
UniRef90_B3Q3D4
UniRef90_H0SA44
UniRef90_D4GV20
UniRef90_K0IMP0
UniRef90_UPI00031035BB
UniRef90_B0R3Q1
UniRef90_R1B8S7
UniRef90_M0MYB5
UniRef90_F2G673
UniRef90_M0HNB6
UniRef90_P07465
UniRef90_I9NGZ6
UniRef90_K2M768
UniRef90_I3D3C1
UniRef90_M0ML40
UniRef90_B0R463
UniRef90_A0A059FIC9
UniRef90_S6HLG2
UniRef90_M6CJU9
UniRef90_E7QVP9
UniRef90_I1DXW9
UniRef90_E7QW72
UniRef90_E4NQ51
UniRef90_Q111R2
UniRef90_M0MK63
UniRef90_E7QQR0
UniRef90_K6ZCY7
UniRef90_I3ZE34
UniRef90_A1SLB2
UniRef90_F2U237
UniRef90_Q1IUC7
UniRef90_UPI00036E2BBD
UniRef90_F4AHK9
UniRef90_E4PI46
UniRef90_M0H8H5
UniRef90_M0DLM4
UniRef90_S9UIF1
UniRef90_UPI00034B6788
UniRef90_L0JXD5
UniRef90_A7I9M5
UniRef90_UPI00036C3F2B
UniRef90_B8IFB8
UniRef90_V6AUU0
UniRef90_A0A031IQ35
UniRef90_UPI00036CBDC2
UniRef90_UPI0003B3513F
UniRef90_V4RLR3
UniRef90_L9WGV4
UniRef90_M0NYB5
UniRef90_A4YL28
UniRef90_A9A1N1
UniRef90_UPI00036020F6
UniRef90_J5KG24
UniRef90_M0M3V8
UniRef90_Q5SF01
UniRef90_M0E994
UniRef90_W0K2L1
UniRef90_G0HXL4

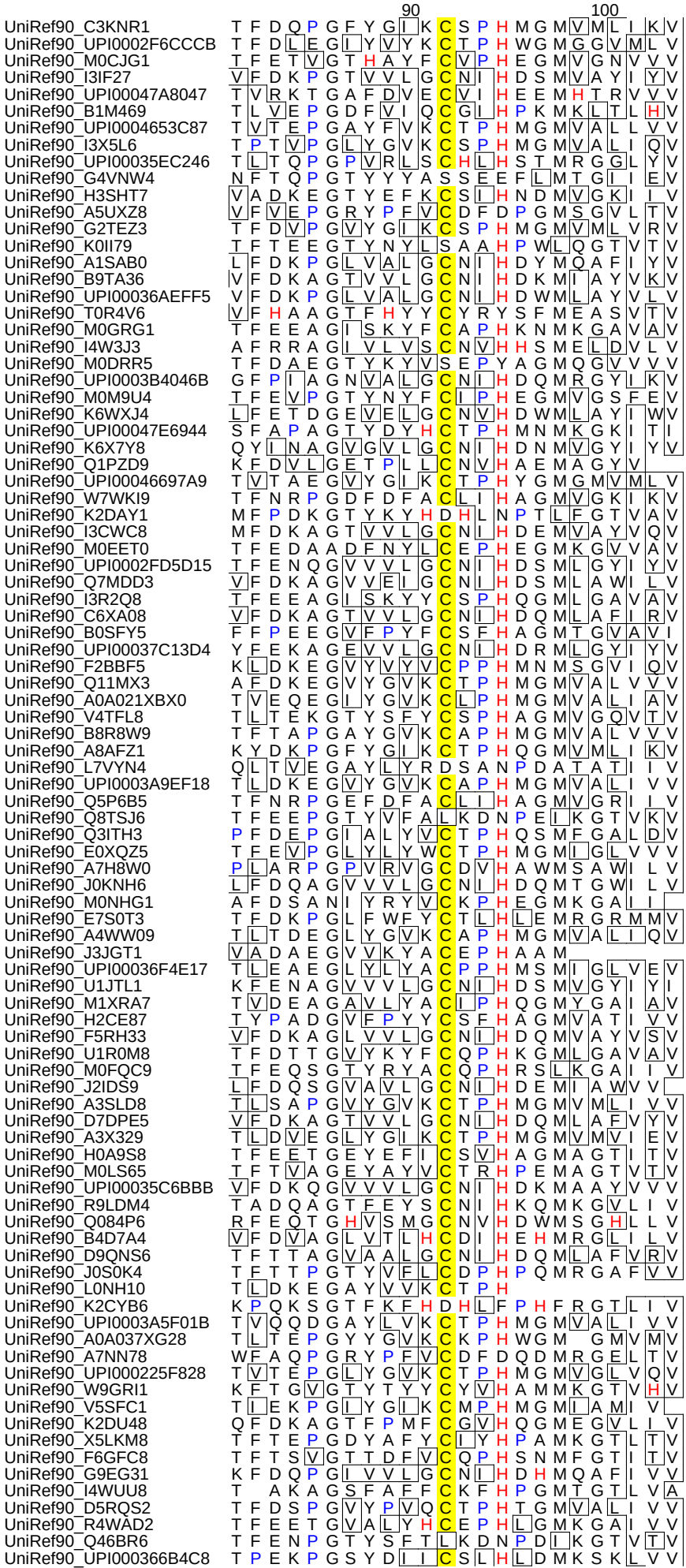

1
10
20
30
40
UniRef90_UPI000377933E
UniRef90_G9ZCF1
UniRef90_G0HUE1
UniRef90_B1ZA48
UniRef90_E4NR40
UniRef90_G1Y2H8
UniRef90_C8NBP0
UniRef90_I4Z386
UniRef90_UPI00031E381E
UniRef90_G2MM55
UniRef90_Q0AP32
UniRef90_M0EH19
UniRef90_M0P6R4
UniRef90_V4X6M4
UniRef90_UPI000363BE62
UniRef90_M0D368
UniRef90_T0B2G8
UniRef90_R4W3Q4
UniRef90_UPI0002F28307
UniRef90_A1UHG6
UniRef90_U2FTJ9
UniRef90_K2I739
UniRef90_M0CRJ1
UniRef90_V4GTX3
UniRef90_U1NK59
UniRef90_K2IV58
UniRef90_V4XBJ4
UniRef90_Q1QRN2
UniRef90_B9XT59
UniRef90_L0NHJ3
UniRef90_K2ABG7
UniRef90_UPI00036838EA
UniRef90_W6W9S3
UniRef90_C7P1W5
UniRef90_U3HMT3
UniRef90_UPI000225F1D6
UniRef90_UPI000467DB3B
UniRef90_M0DNJ8
UniRef90_A2SC88
UniRef90_UPI00035CC42B
UniRef90_V4XXM3
UniRef90_Q3IN42
UniRef90_B1ZUL5
UniRef90_M8B4N8
UniRef90_F3KJ37
UniRef90_K2BG82
UniRef90_D1C1Q5
UniRef90_UPI000477697F
UniRef90_W7YMV8
UniRef90_B9LN12
UniRef90_M0MSJ6
UniRef90_UPI0003766B97
UniRef90_Q21LC8
UniRef90_UPI00028920BE
UniRef90_U1PZL4
UniRef90_I0WLZ1
UniRef90_UPI0002E5B3CF
UniRef90_A8LIH9
UniRef90_Q8TQT5
UniRef90_UPI0004183DF1
UniRef90_U5VGV3
UniRef90_M0DAN0
UniRef90_F9Q5R0
UniRef90_K2BYD8
UniRef90_J1JX34
UniRef90_UPI000476F6FA
UniRef90_UPI00037DC3FC
UniRef90_G2MIK7
UniRef90_M0L7T9
UniRef90_W0DWU2
UniRef90_M0LX84
UniRef90_UPI0004665666
UniRef90_G0LGP8
UniRef90_U1NPP6
UniRef90_G8RTK4
UniRef90_R9VC81
UniRef90_U1JM60
UniRef90_G0HTM5
UniRef90_Y0KDS3
UniRef90_D8J646
UniRef90_K0INQ6
UniRef90_W6WJA1
UniRef90_E0XT15
UniRef90_A0A011AK11
UniRef90_M0D6W7
UniRef90_UPI00035E9188
UniRef90_I1YH15
UniRef90_F7XPI7
UniRef90_UPI00036AE098
UniRef90_U2YXJ0
UniRef90_M0DWV1
UniRef90_A9WAB5

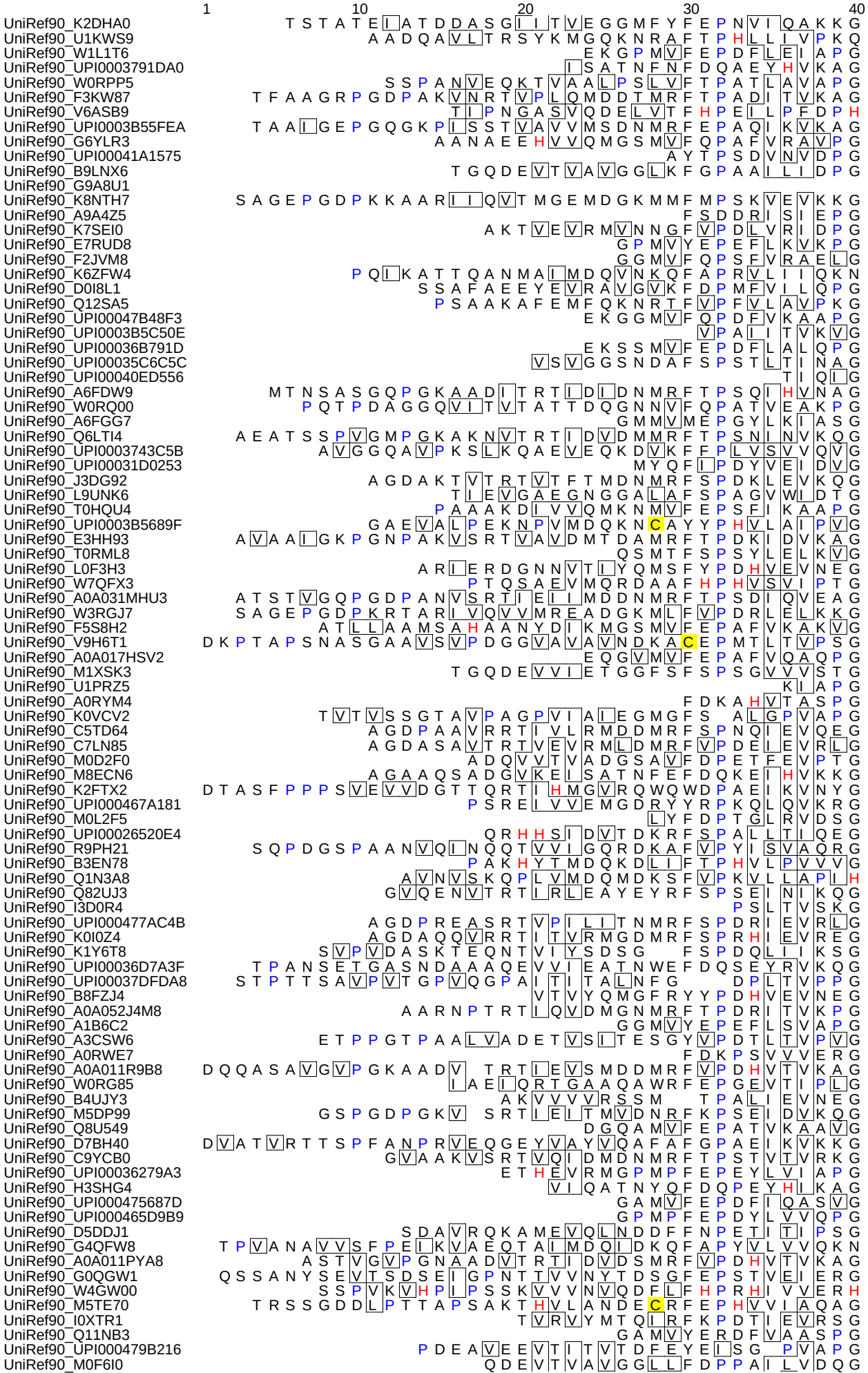

50
60
70
80
UniRef90_UPI000377933E
UniRef90_G9ZCF1
UniRef90_G0HUE1
UniRef90_B1ZA48
UniRef90_E4NR40
UniRef90_G1Y2H8
UniRef90_C8NBP0
UniRef90_I4Z386
UniRef90_UPI00031E381E
UniRef90_G2MM55
UniRef90_Q0AP32
UniRef90_M0EH19
UniRef90_M0P6R4
UniRef90_V4X6M4
UniRef90_UPI000363BE62
UniRef90_M0D368
UniRef90_T0B2G8
UniRef90_R4W3Q4
UniRef90_UPI0002F28307
UniRef90_A1UHG6
UniRef90_U2FTJ9
UniRef90_K2I739
UniRef90_M0CRJ1
UniRef90_V4GTX3
UniRef90_U1NK59
UniRef90_K2IV58
UniRef90_V4XBJ4
UniRef90_Q1QRN2
UniRef90_B9XT59
UniRef90_L0NHJ3
UniRef90_K2ABG7
UniRef90_UPI00036838EA
UniRef90_W6W9S3
UniRef90_C7P1W5
UniRef90_U3HMT3
UniRef90_UPI000225F1D6
UniRef90_UPI000467DB3B
UniRef90_M0DNJ8
UniRef90_A2SC88
UniRef90_UPI00035CC42B
UniRef90_V4XXM3
UniRef90_Q3IN42
UniRef90_B1ZUL5
UniRef90_M8B4N8
UniRef90_F3KJ37
UniRef90_K2BG82
UniRef90_D1C1Q5
UniRef90_UPI000477697F
UniRef90_W7YMV8
UniRef90_B9LN12
UniRef90_M0MSJ6
UniRef90_UPI0003766B97
UniRef90_Q21LC8
UniRef90_UPI00028920BE
UniRef90_U1PZL4
UniRef90_I0WLZ1
UniRef90_UPI0002E5B3CF
UniRef90_A8LIH9
UniRef90_Q8TQT5
UniRef90_UPI0004183DF1
UniRef90_U5VGV3
UniRef90_M0DAN0
UniRef90_F9Q5R0
UniRef90_K2BYD8
UniRef90_J1JX34
UniRef90_UPI000476F6FA
UniRef90_UPI00037DC3FC
UniRef90_G2MIK7
UniRef90_M0L7T9
UniRef90_W0DWU2
UniRef90_M0LX84
UniRef90_UPI0004665666
UniRef90_G0LGP8
UniRef90_U1NPP6
UniRef90_G8RTK4
UniRef90_R9VC81
UniRef90_U1JM60
UniRef90_G0HTM5
UniRef90_Y0KDS3
UniRef90_D8J646
UniRef90_K0INQ6
UniRef90_W6WJA1
UniRef90_E0XT15
UniRef90_A0A011AK11
UniRef90_M0D6W7
UniRef90_UPI00035E9188
UniRef90_I1YH15
UniRef90_F7XPI7
UniRef90_UPI00036AE098
UniRef90_U2YXJ0
UniRef90_M0DWV1
UniRef90_A9WAB5

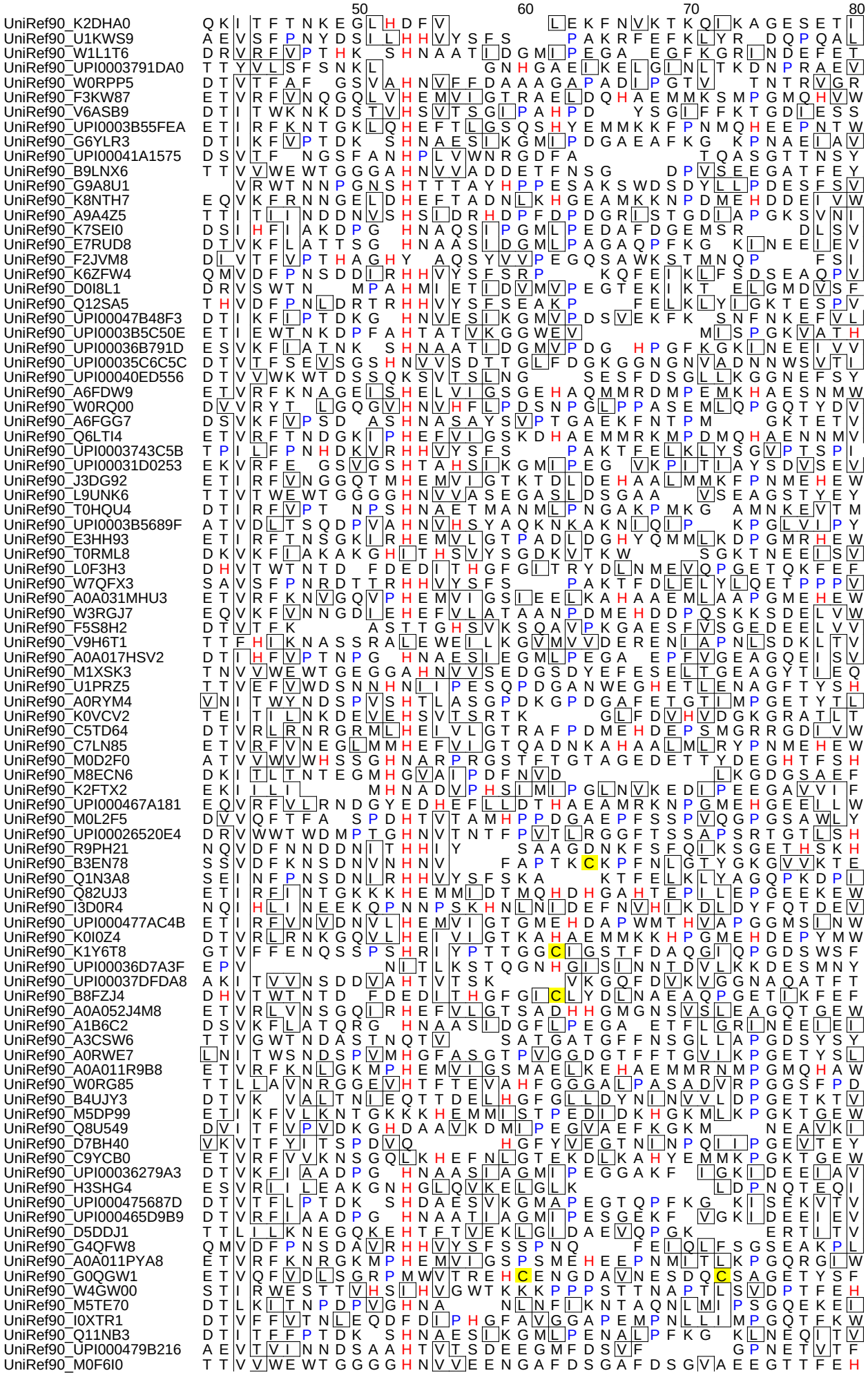

90
100
UniRef90_UPI000377933E K V T V P G V Y K Y W C I P H P H M A A S F T
UniRef90_G9ZCF1 K L D K E G V Y I Y V C P P H S N M V G V I Q V
UniRef90_G0HUE1 T F E E D G I Y P Y V C V P H E G M K G A V V V
UniRef90_B1ZA48 K F D R E G V Y G F K C S P H M G M V A L V V V
UniRef90_E4NR40 T F E E A G V W K Y A C T P H M G M K G A V V V
UniRef90_G1Y2H8 T F D K P G V Y G Y R C K P H
UniRef90_C8NBP0 K L D K E G V Y I Y V C P P H S N M V G V I Q V
UniRef90_I4Z386 T F D K A G V Y G Y K C K P H M G M V G L V V V
UniRef90_UPI00031E381E L F D K P G V V V L G C N I H D W M L G Y I Y V
UniRef90_G2MM55 T F E T T G T F D Y F C T P H K G M V A R I V V
UniRef90_Q0AP32 T A S E E G L Y G I K C M P H M G M V A L I K V
UniRef90_M0EH19 T F D E P G V R E Y V C T P H Q G M R G S V E V
UniRef90_M0P6R4 T F E T E G V Y H Y Y C A P H E G M I G S V I V
UniRef90_V4X6M4 T F E E A G I Q L Y Y C T P H R G
UniRef90_UPI000363BE62 T F D T P G D V E Y H C S I H P Y M S G T V H V
UniRef90_M0D368 E L D G E G V V K Y A C T P H A G M K G A V V V
UniRef90_T0B2G8 V F D K P G I V V M G C N I H D H M V A Y V M V
UniRef90_R4W3Q4 T F D V E G E Y G Y F C I P H E G M V A T L T V
UniRef90_UPI0002F28307 T F S I P G L Y G I Q C T P H M G M V M L I Q V
UniRef90_A1UHG6 T P T T P G T Y P F H C K Y H A N M H G M L T V E
UniRef90_U2FTJ9 L F D Q P G V I A L G C N I H D K M H A F I V V N
UniRef90_K2I739 T L D Q P G L Y G V K C L P H M G M V M T V A V
UniRef90_M0CRJ1 T F E T T G T Y E Y Y C I P H E G M S G F V K V
UniRef90_V4GTX3 T F E E A G V S K Y Y C T P H L G M K G V V E V R
UniRef90_U1NK59 T F T V P G T Y S Y A C V P H A G M V G T I I V E
UniRef90_K2IV58 T F D A E G V Y A V K C N P H M G M V M T I K V
UniRef90_V4XBJ4 T F E T A E T F K Y Y C T P H K G M K G V V V V E
UniRef90_Q1QRN2 V L K K P G V V D Y Y C R Y H P N M K A R L T I
UniRef90_B9XT59 T F T S A G S F P Y T C I V H G F G G T V N V Q
UniRef90_L0NHJ3 T I E T P G V Y M Y Q C T P H M G M I G A I V
UniRef90_K2ABG7 Q F D K A G A Y E F F C S V H A G M K G T L V V E
UniRef90_UPI00036838EA L F D Q P G V V L L G C N I H D S M V G W V L V
UniRef90_W6W9S3 T F D I E G A Y A V K C S P H M G M I G L V V V
UniRef90_C7P1W5 T F E E D G I Y P Y Y C V P H K N M K G A I V V
UniRef90_U3HMT3 G F D H P G L V V L G C N I H D W M L G Y I Y V
UniRef90_UPI000225F1D6 T L T V P G S Y G I K C S P H M G M V M L I E V
UniRef90_UPI000467DB3B Q F D Q P G K V A L G C N I H D A M L G Y I Y V
UniRef90_M0DNJ8 T F E S A G V Y R Y V S E P Q A G M K G V V V V E
UniRef90_A2SC88 V F D K P G T A V L G C N I H D A M T A Y V R V
UniRef90_UPI00035CC42B S L L Q P G P I V L R C N L H K D M V G T I F V
UniRef90_V4XXM3 T F T E S G I H E Y V C T P H Q G M R G W V E V
UniRef90_Q3IN42 T F D E P G A A L Y V C T A H Q N Q Y G A V V V E
UniRef90_B1ZUL5 V F D V P G L V T L R C D I H E H M R G I I L V
UniRef90_M8B4N8 T V E K E G V Y L Y Y C P P H M A M I G I I Q V
UniRef90_F3KJ37 V L T D Y G A Y Y Y F C E I H P W F T G K I
UniRef90_K2BG82 A F T T A G V F P Y Y D P T Y P N M T A T I T V N
UniRef90_D1C1Q5 T F T A P G V Y P F Y C T L H V E M M G Y L I V E
UniRef90_UPI000477697F V F P V S G T F A V L C G I H P K M K L A V R V
UniRef90_W7YMV8 T A D K A G T Y D F N C S V H E N M V G Q L I V E
UniRef90_B9LN12 T F E E A G T Y T Y V C T P H E G M K G A V Y V E
UniRef90_M0MSJ6 T F E K E G A I K Y A C L P H M G M R G A I L V
UniRef90_UPI0003766B97 V F D Q P G T A V L G C N I H D Q M V A W V H V
UniRef90_Q21LC8 K F D T A G K V V L G C N I H D S M L G Y I F V
UniRef90_UPI00028920BE V F D K A G V V S L G C N I H D A M S A F I F V
UniRef90_U1PZL4 T F E T L G T Y E Y Y C A P H A G M G A T I I V E
UniRef90_I0WLZ1 Y F G T P G T Y D Y V C R Y H H G M R G R I T V
UniRef90_UPI0002E5B3CF T F T A P G T Y G I K C I P H Y G M G M V M L V Q
UniRef90_A8LIH9 P F P T P G F Y G Y K C T P H A G M V G L V I V E
UniRef90_Q8TQT5 T F V E N G S Y S F S A N G Y P N M Q M T I T V K
UniRef90_UPI0004183DF1 I L K A A G A V D Y F C R F H P N M K G H V N V
UniRef90_U5VGV3 S F T V P G T Y G V Q C I P H M G M V M L I Q V
UniRef90_M0DAN0 Q F G G V G V S K Y I C P S H A A M R G A V V V
UniRef90_F9Q5R0 T L D K A G V Y V Y T C P V H M N M N G I I Q V
UniRef90_K2BYD8 T F S D P G V F P Y Y D P T Y P D M Q A T I T V N
UniRef90_J1JX34 T F D K S G F Y G I K C T P H Y A M G M V M L V K
UniRef90_UPI000476F6FA K P D S P G E Y G F V C S F H S R M T G T L M V K
UniRef90_UPI00037DC3FC T F P E P G E F A Y Y C Q P H A F M A G V V R V
UniRef90_G2MIK7 T F T V P G E Y V Y V C A P H A G M V G S I T V
UniRef90_M0L7T9 I F D E V G E Y R Y V S E P H E G M K G A V I V K
UniRef90_W0DWU2 T F D Q P G T Y Y Y G C H Y E A G M I G K I L V
UniRef90_M0LX84 T F R T E G T Y D Y Y C T P H K G M V A R I V
UniRef90_UPI0004665666 I F P V L G D Y M V L C G I H P K M K L I V H V
UniRef90_G0LGP8 T F E T L G A Y E Y F C Q P H A G M G A S I E V
UniRef90_U1NPP6 T F E T L G T Y D Y Y C E P H A G M G A T I E V
UniRef90_G8RTK4 A P S K P G E Y A F Y C V Y H P S M K G T L I V K
UniRef90_R9VC81 T F S V P G V Y G I Q C I P H M G M V M L I Q V
UniRef90_U1JM60 V F D Q T G V V E L G C N I H D W M L G Y I V V
UniRef90_G0HTM5 R F E V P G E Y E Y H C V P H Q G M T G S F T V
UniRef90_Y0KDS3 L F D K A G T V V L G C N I H D T M L A Y V Y I
UniRef90_D8J646 T F E E S G I F E Y E C V P H Q G M H G G V A V
UniRef90_K0INQ6 R F D E A G V F N Y L C T I H A G M R G T L I I
UniRef90_W6WJA1 T A D K P G A Y V F K C T P H F G M G M V A V
UniRef90_E0XT15 V F K I P G V Y V Y G C T P H M G M L G L I I V
UniRef90_A0A011AK11 K F D K P G E Y F Y N D A F F A Q N T G K V V V
UniRef90_M0D6W7 E A P E S G V V S Y A C A P H S G M R G A L V V
UniRef90_UPI00035E9188 E F D K P G V V A L G C N I H D N M L A Y I Y V
UniRef90_I1YH15 R F D Q H G V V V L G C N I H D T M V G Y I Y V
UniRef90_F7XPI7 T F E S K G Q H D Y L C I V T A L R G T V I V E
UniRef90_UPI00036AE098 P F E Q A G V V T L G C N I H D S M V G Y I Y V
UniRef90_U2YXJ0 Q F T V E G T Y D Y Y C I P H K G M V G R V V
UniRef90_M0DWV1 A F E V P G T H Q Y L C T P H Q G M R G S V E V
UniRef90_A9WAB5 P F T T A G L S A F L C D F D P A M R G T I V V Q

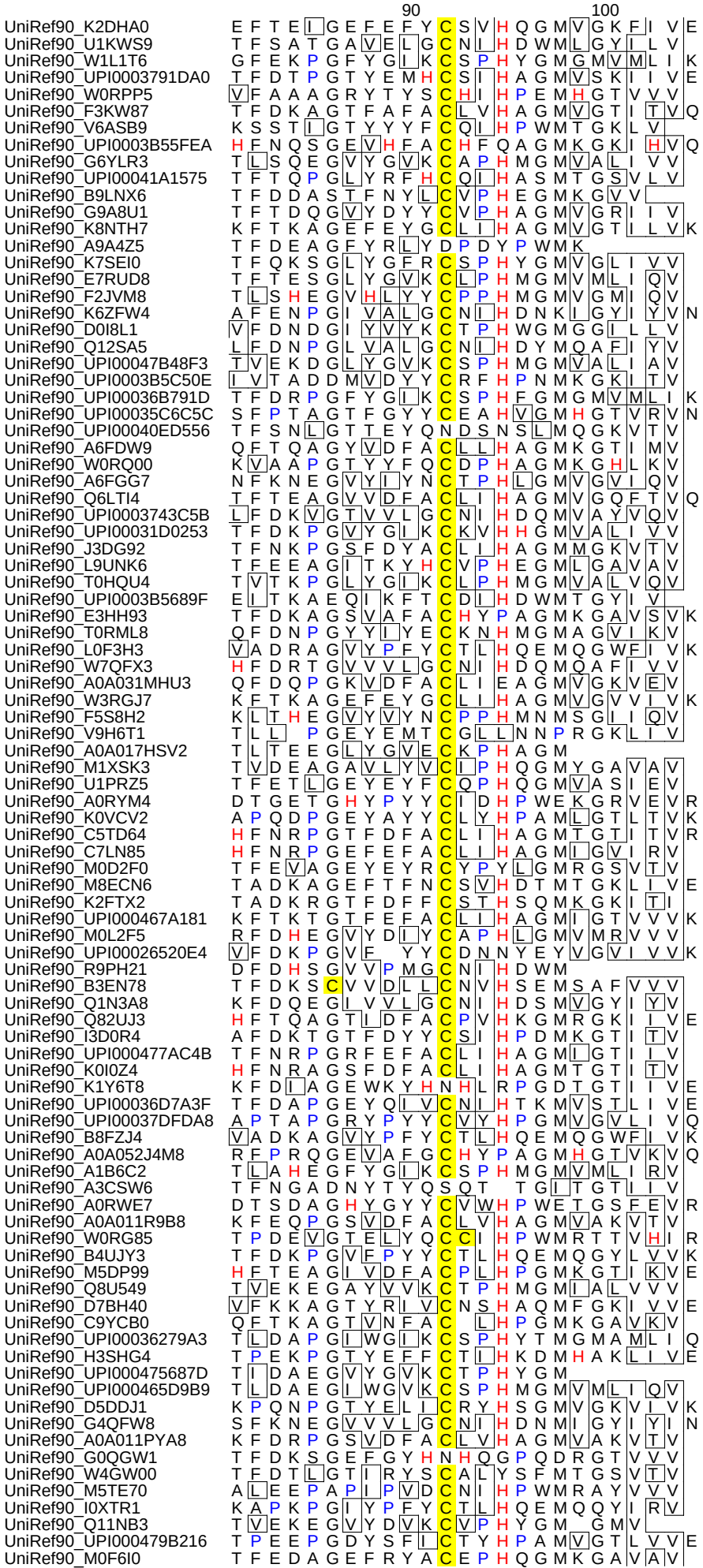

1
10
20
30
40
UniRef90_C3KNR1
UniRef90_UPI0002F6CCCB
UniRef90_M0CJG1
UniRef90_I3IF27
UniRef90_UPI00047A8047
UniRef90_B1M469
UniRef90_UPI0004653C87
UniRef90_I3X5L6
UniRef90_UPI00035EC246
UniRef90_G4VNW4
UniRef90_H3SHT7
UniRef90_A5UXZ8
UniRef90_G2TEZ3
UniRef90_K0II79
UniRef90_A1SAB0
UniRef90_B9TA36
UniRef90_UPI00036AEFF5
UniRef90_T0R4V6
UniRef90_M0GRG1
UniRef90_I4W3J3
UniRef90_M0DRR5
UniRef90_UPI0003B4046B
UniRef90_M0M9U4
UniRef90_K6WXJ4
UniRef90_UPI00047E6944
UniRef90_K6X7Y8
UniRef90_Q1PZD9
UniRef90_UPI00046697A9
UniRef90_W7WKI9
UniRef90_K2DAY1
UniRef90_I3CWC8
UniRef90_M0EET0
UniRef90_UPI0002FD5D15
UniRef90_Q7MDD3
UniRef90_I3R2Q8
UniRef90_C6XA08
UniRef90_B0SFY5
UniRef90_UPI00037C13D4
UniRef90_F2BBF5
UniRef90_Q11MX3
UniRef90_A0A021XBX0
UniRef90_V4TFL8
UniRef90_B8R8W9
UniRef90_A8AFZ1
UniRef90_L7VYN4
UniRef90_UPI0003A9EF18
UniRef90_Q5P6B5
UniRef90_Q8TSJ6
UniRef90_Q3ITH3
UniRef90_E0XQZ5
UniRef90_A7H8W0
UniRef90_J0KNH6
UniRef90_M0NHG1
UniRef90_E7S0T3
UniRef90_A4WW09
UniRef90_J3JGT1
UniRef90_UPI00036F4E17
UniRef90_U1JTL1
UniRef90_M1XRA7
UniRef90_H2CE87
UniRef90_F5RH33
UniRef90_U1R0M8
UniRef90_M0FQC9
UniRef90_J2IDS9
UniRef90_A3SLD8
UniRef90_D7DPE5
UniRef90_A3X329
UniRef90_H0A9S8
UniRef90_M0LS65
UniRef90_UPI00035C6BBB
UniRef90_R9LDM4
UniRef90_Q084P6
UniRef90_B4D7A4
UniRef90_D9QNS6
UniRef90_J0S0K4
UniRef90_L0NH10
UniRef90_K2CYB6
UniRef90_UPI0003A5F01B
UniRef90_A0A037XG28
UniRef90_A7NN78
UniRef90_UPI000225F828
UniRef90_W9GRI1
UniRef90_V5SFC1
UniRef90_K2DU48
UniRef90_X5LKM8
UniRef90_F6GFC8
UniRef90_G9EG31
UniRef90_I4WUU8
UniRef90_D5RQS2
UniRef90_R4WAD2
UniRef90_Q46BR6
UniRef90_UPI000366B4C8

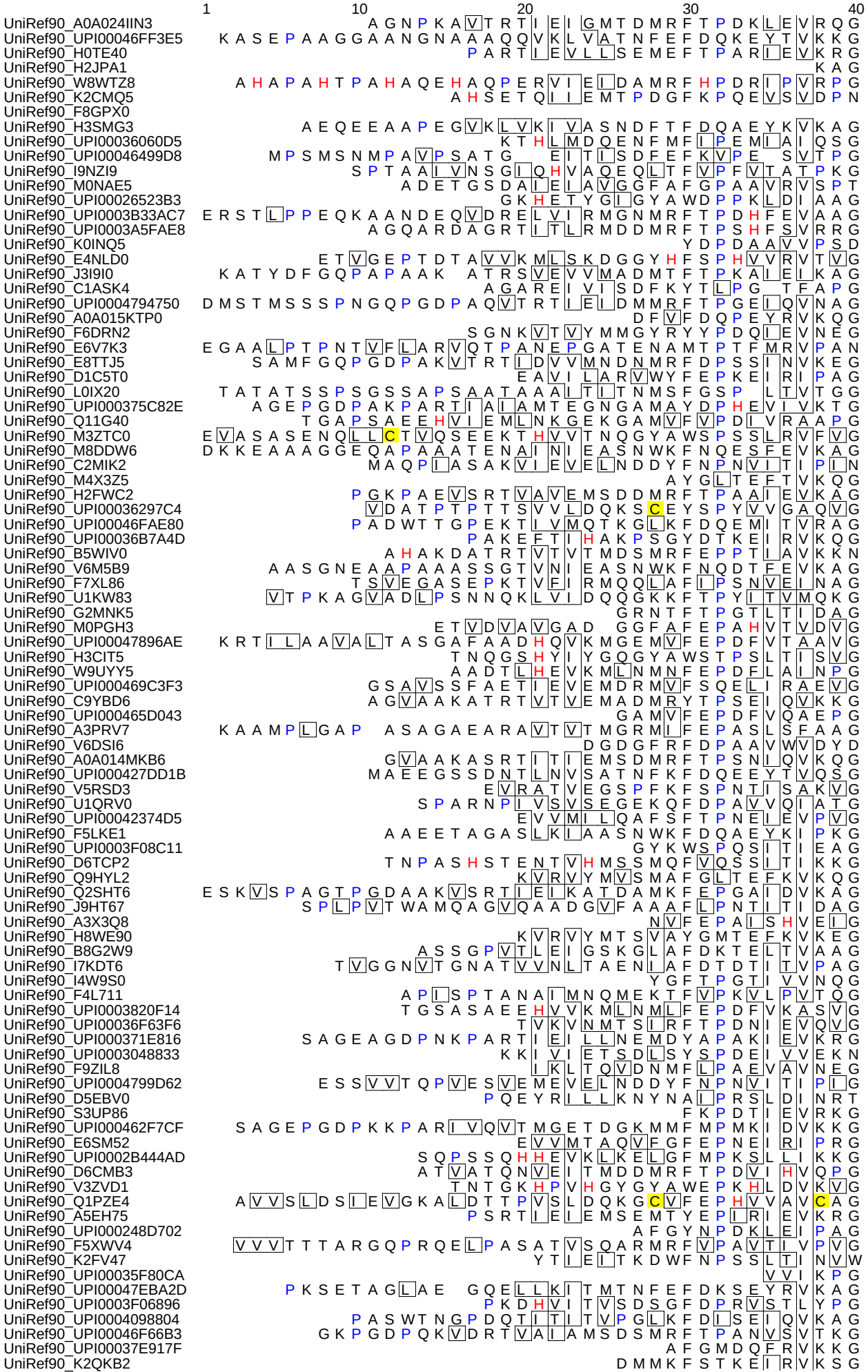

50
60
70
80
UniRef90_C3KNR1
UniRef90_UPI0002F6CCCB
UniRef90_M0CJG1
UniRef90_I3IF27
UniRef90_UPI00047A8047
UniRef90_B1M469
UniRef90_UPI0004653C87
UniRef90_I3X5L6
UniRef90_UPI00035EC246
UniRef90_G4VNW4
UniRef90_H3SHT7
UniRef90_A5UXZ8
UniRef90_G2TEZ3
UniRef90_K0II79
UniRef90_A1SAB0
UniRef90_B9TA36
UniRef90_UPI00036AEFF5
UniRef90_T0R4V6
UniRef90_M0GRG1
UniRef90_I4W3J3
UniRef90_M0DRR5
UniRef90_UPI0003B4046B
UniRef90_M0M9U4
UniRef90_K6WXJ4
UniRef90_UPI00047E6944
UniRef90_K6X7Y8
UniRef90_Q1PZD9
UniRef90_UPI00046697A9
UniRef90_W7WKI9
UniRef90_K2DAY1
UniRef90_I3CWC8
UniRef90_M0EET0
UniRef90_UPI0002FD5D15
UniRef90_Q7MDD3
UniRef90_I3R2Q8
UniRef90_C6XA08
UniRef90_B0SFY5
UniRef90_UPI00037C13D4
UniRef90_F2BBF5
UniRef90_Q11MX3
UniRef90_A0A021XBX0
UniRef90_V4TFL8
UniRef90_B8R8W9
UniRef90_A8AFZ1
UniRef90_L7VYN4
UniRef90_UPI0003A9EF18
UniRef90_Q5P6B5
UniRef90_Q8TSJ6
UniRef90_Q3ITH3
UniRef90_E0XQZ5
UniRef90_A7H8W0
UniRef90_J0KNH6
UniRef90_M0NHG1
UniRef90_E7S0T3
UniRef90_A4WW09
UniRef90_J3JGT1
UniRef90_UPI00036F4E17
UniRef90_U1JTL1
UniRef90_M1XRA7
UniRef90_H2CE87
UniRef90_F5RH33
UniRef90_U1R0M8
UniRef90_M0FQC9
UniRef90_J2IDS9
UniRef90_A3SLD8
UniRef90_D7DPE5
UniRef90_A3X329
UniRef90_H0A9S8
UniRef90_M0LS65
UniRef90_UPI00035C6BBB
UniRef90_R9LDM4
UniRef90_Q084P6
UniRef90_B4D7A4
UniRef90_D9QNS6
UniRef90_J0S0K4
UniRef90_L0NH10
UniRef90_K2CYB6
UniRef90_UPI0003A5F01B
UniRef90_A0A037XG28
UniRef90_A7NN78
UniRef90_UPI000225F828
UniRef90_W9GRI1
UniRef90_V5SFC1
UniRef90_K2DU48
UniRef90_X5LKM8
UniRef90_F6GFC8
UniRef90_G9EG31
UniRef90_I4WUU8
UniRef90_D5RQS2
UniRef90_R4WAD2
UniRef90_Q46BR6
UniRef90_UPI000366B4C8

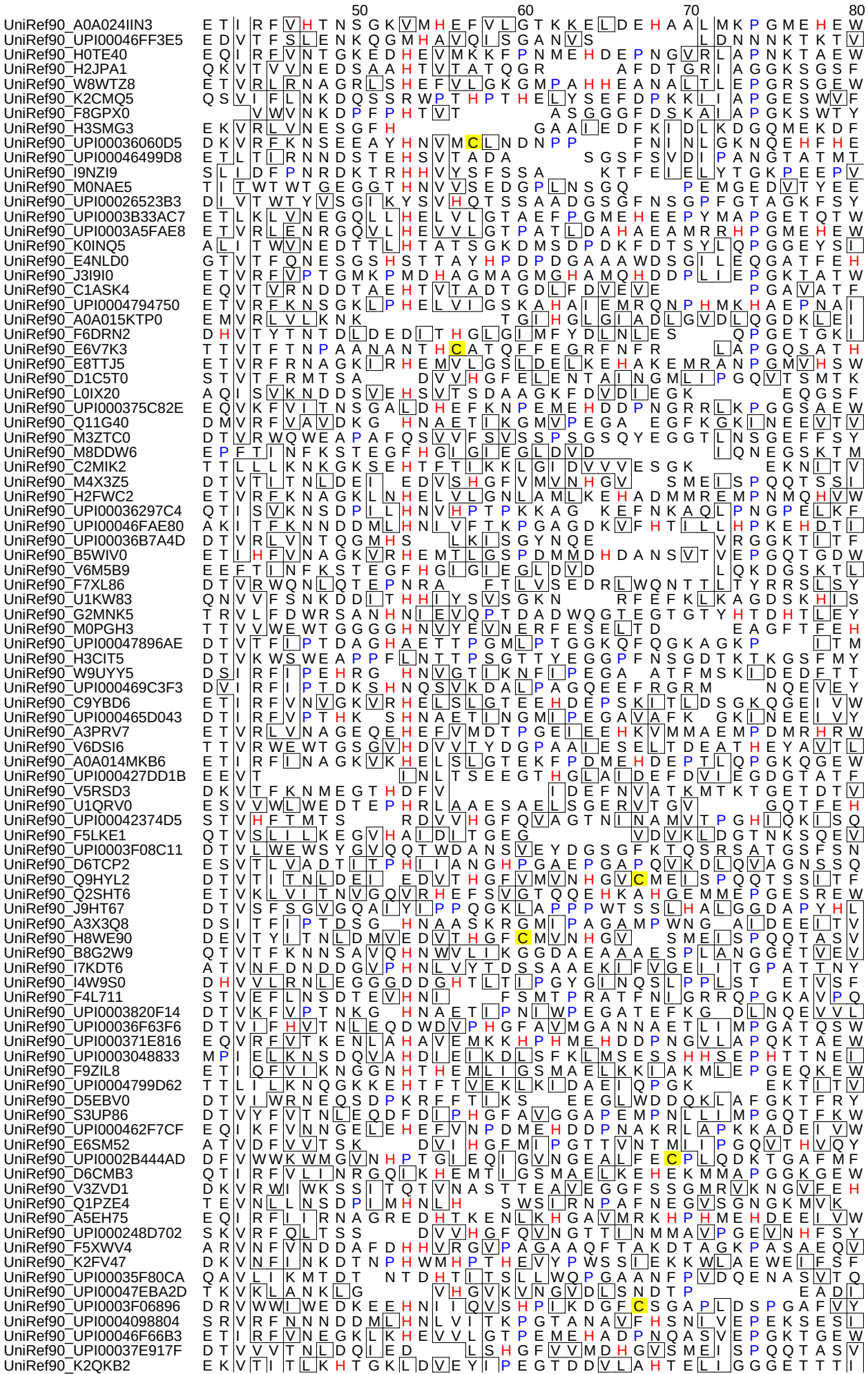

90
100
UniRef90_C3KNR1 T F D Q P G F Y G I K C S P H M G M V M L I K V
UniRef90_UPI0002F6CCCB T F D L E G I Y V Y K C T P H W G M G G V M L V
UniRef90_M0CJG1 T F E T V G T H A Y F C V P H E G M V G N V V V
UniRef90_I3IF27 V F D K P G T V V L G C N I H D S M V A Y I Y V
UniRef90_UPI00047A8047 T V R K T G A F D V E C V I H E E M H T R V V V R
UniRef90_B1M469 T L V E P G D F V I Q C G I H P K M K L T L H V E
UniRef90_UPI0004653C87 T V T E P G A Y F V K C T P H M G M V A L L V V
UniRef90_I3X5L6 T P T V P G L Y G V K C S P H M G M V A L I Q V
UniRef90_UPI00035EC246 T L T Q P G P V R L S C H L H S T M R G G L Y V
UniRef90_G4VNW4 N F T Q P G T Y Y Y A S S E E F L M T G I I E V K
UniRef90_H3SHT7 V A D K E G T Y E F K C S I H N D M V G K I I V E
UniRef90_A5UXZ8 V F V E P G R Y P F V C D F D P G M S G V L T V Q
UniRef90_G2TEZ3 T F D V P G V Y G I K C S P H M G M V M L V R V
UniRef90_K0II79 T F T E E G T Y N Y L S A A H P W L Q G T V T V K
UniRef90_A1SAB0 L F D K P G L V A L G C N I H D Y M Q A F I Y V
UniRef90_B9TA36 V F D K A G T V V L G C N I H D K M I A Y V K V
UniRef90_UPI00036AEFF5 V F D K P G L V A L G C N I H D W M L A Y V L V
UniRef90_T0R4V6 V F H A A G T F H Y Y C Y R Y S F M E A S V T V
UniRef90_M0GRG1 T F E E A G I S K Y F C A P H K N M K G A V A V
UniRef90_I4W3J3 A F R R A G I V L V S C N V H H S M E L D V L V
UniRef90_M0DRR5 T F D A E G T Y K Y V S E P Y A G M Q G V V V V
UniRef90_UPI0003B4046B G F P I A G N V A L G C N I H D Q M R G Y I K V
UniRef90_M0M9U4 T F E V P G T Y N Y F C I P H E G M V G S F E V
UniRef90_K6WXJ4 L F E T D G E V E L G C N V H D W M L A Y I W V
UniRef90_UPI00047E6944 S F A P A G T Y D Y H C T P H M N M K G K I T I K
UniRef90_K6X7Y8 Q Y I N A G V G V L G C N I H D N M V G Y I Y V
UniRef90_Q1PZD9 K F D V L G E T P L L C N V H A E M A G Y V
UniRef90_UPI00046697A9 T V T A E G V Y G I K C T P H Y G M G M V M L V Q
UniRef90_W7WKI9 T F N R P G D F D F A C L I H A G M V G K I K V
UniRef90_K2DAY1 M F P D K G T Y K Y H D H L N P T L F G T V A V E
UniRef90_I3CWC8 M F D K A G T V V L G C N I H D E M V A Y V Q V
UniRef90_M0EET0 T F E D A A D F N Y L C E P H E G M K G V V A V
UniRef90_UPI0002FD5D15 T F E N Q G V V V L G C N I H D S M L G Y I Y V
UniRef90_Q7MDD3 V F D K A G V V E I G C N I H D S M L A W I L V
UniRef90_I3R2Q8 T F E E A G I S K Y Y C S P H Q G M L G A V A V
UniRef90_C6XA08 V F D K A G T V V L G C N I H D Q M L A F I R V
UniRef90_B0SFY5 F F P E E G V F P Y F C S F H A G M T G V A V I
UniRef90_UPI00037C13D4 Y F E K A G E V V L G C N I H D R M L G Y I Y V
UniRef90_F2BBF5 K L D K E G V Y V Y V C P P H M N M S G V I Q V
UniRef90_Q11MX3 A F D K E G V Y G V K C T P H M G M V A L V V V
UniRef90_A0A021XBX0 T V E Q E G I Y G V K C L P H M G M V A L I A V
UniRef90_V4TFL8 T L T E K G T Y S F Y C S P H A G M V G Q V T V N
UniRef90_B8R8W9 T F T A P G A Y G V K C A P H M G M V A L V V V
UniRef90_A8AFZ1 K Y D K P G F Y G I K C T P H Q G M V M L I K V
UniRef90_L7VYN4 Q L T V E G A Y L Y R D S A N P D A T A T I I V K
UniRef90_UPI0003A9EF18 T L D K E G V Y G V K C A P H M G M V A L I V V
UniRef90_Q5P6B5 T F N R P G E F D F A C L I H A G M V G R I I V
UniRef90_Q8TSJ6 T F E E P G T Y V F A L K D N P E I K G T V K V
UniRef90_Q3ITH3 P F D E P G I A L Y V C T P H Q S M F G A L D V
UniRef90_E0XQZ5 T F E V P G L Y L Y W C T P H M G M I G L V V V
UniRef90_A7H8W0 P L A R P G P V R V G C D V H A W M S A W I L V
UniRef90_J0KNH6 L F D Q A G V V V L G C N I H D Q M T G W I L V
UniRef90_M0NHG1 A F D S A N I Y R Y V C K P H E G M K G A I I
UniRef90_E7S0T3 T F D K P G L F W F Y C T L H L E M R G R M M V E
UniRef90_A4WW09 T L T D E G L Y G V K C A P H M G M V A L I Q V
UniRef90_J3JGT1 V A D A E G V V K Y A C E P H A A M
UniRef90_UPI00036F4E17 T L E A E G L Y L Y A C P P H M S M I G L V E V
UniRef90_U1JTL1 K F E N A G V V V L G C N I H D S M V G Y I Y I
UniRef90_M1XRA7 T V D E A G A V L Y A C I P H Q G M Y G A I A V
UniRef90_H2CE87 T Y P A D G V F P Y Y C S F H A G M V A T I V V
UniRef90_F5RH33 V F D K A G L V V L G C N I H D Q M V A Y V S V
UniRef90_U1R0M8 T F D T T G V Y K Y F C Q P H K G M L G A V A V
UniRef90_M0FQC9 T F E Q S G T Y R Y A C Q P H R S L K G A I I V E
UniRef90_J2IDS9 L F D Q S G V A V L G C N I H D E M I A W V V
UniRef90_A3SLD8 T L S A P G V Y G V K C T P H M G M V M L I V V
UniRef90_D7DPE5 V F D K A G T V V L G C N I H D Q M L A F V Y V
UniRef90_A3X329 T L D V E G L Y G I K C T P H M G M V M V I E V
UniRef90_H0A9S8 T F E E T G E Y E F I C S V H A G M A G T I T V
UniRef90_M0LS65 T F T V A G E Y A Y V C T R H P E M A G T V T V
UniRef90_UPI00035C6BBB V F D K Q G V V V L G C N I H D K M A A Y V V V
UniRef90_R9LDM4 T A D Q A G T F E Y S C N I H K Q M K G V L I V K
UniRef90_Q084P6 R F E Q T G H V S M G C N V H D W M S G H L L V
UniRef90_B4D7A4 V F D V A G L V T L H C D I H E H M R G L I L V
UniRef90_D9QNS6 T F T T A G V A A L G C N I H D Q M L A F V R V
UniRef90_J0S0K4 T F T T P G T Y V F L C D P H P Q M R G A F V V
UniRef90_L0NH10 T L D K E G A Y V V K C T P H
UniRef90_K2CYB6 K P Q K S G T F K F H D H L F P H F R G T L I V E
UniRef90_UPI0003A5F01B T V Q Q D G A Y L V K C T P H M G M V A L I V V
UniRef90_A0A037XG28 T L T E P G Y Y G V K C K P H W G M G M V M V
UniRef90_A7NN78 W F A Q P G R Y P F V C D F D Q D M R G E L T V Q
UniRef90_UPI000225F828 T V T E P G L Y G V K C T P H M G M V G L V Q V
UniRef90_W9GRI1 K F T G V G T Y T Y Y C Y V H A M M K G T V H V R
UniRef90_V5SFC1 T I E K P G I Y G I K C M P H M G M I A M I V
UniRef90_K2DU48 Q F D K A G T F P M F C G V H Q G M E G V L I V E
UniRef90_X5LKM8 T F T E P G D Y A F Y C I Y H P A M K G T L T V
UniRef90_F6GFC8 T F T S V G T T D F V C Q P H S N M F G T I T V
UniRef90_G9EG31 K F D Q P G I V V L G C N I H D H M Q A F I V V
UniRef90_I4WUU8 T A K A G S F A F F C K F H P G M T G T L V A K
UniRef90_D5RQS2 T F D S P G V Y P V Q C T P H T G M V A L I V V
UniRef90_R4WAD2 T F E E T G V A L Y H C E P H L G M K G A I V V
UniRef90_Q46BR6 T F E N P G T Y S F T L K D N P D I K G T V T V
UniRef90_UPI000366B4C8 T P E K P G S Y D I I C S L H L D M K S K L V V E

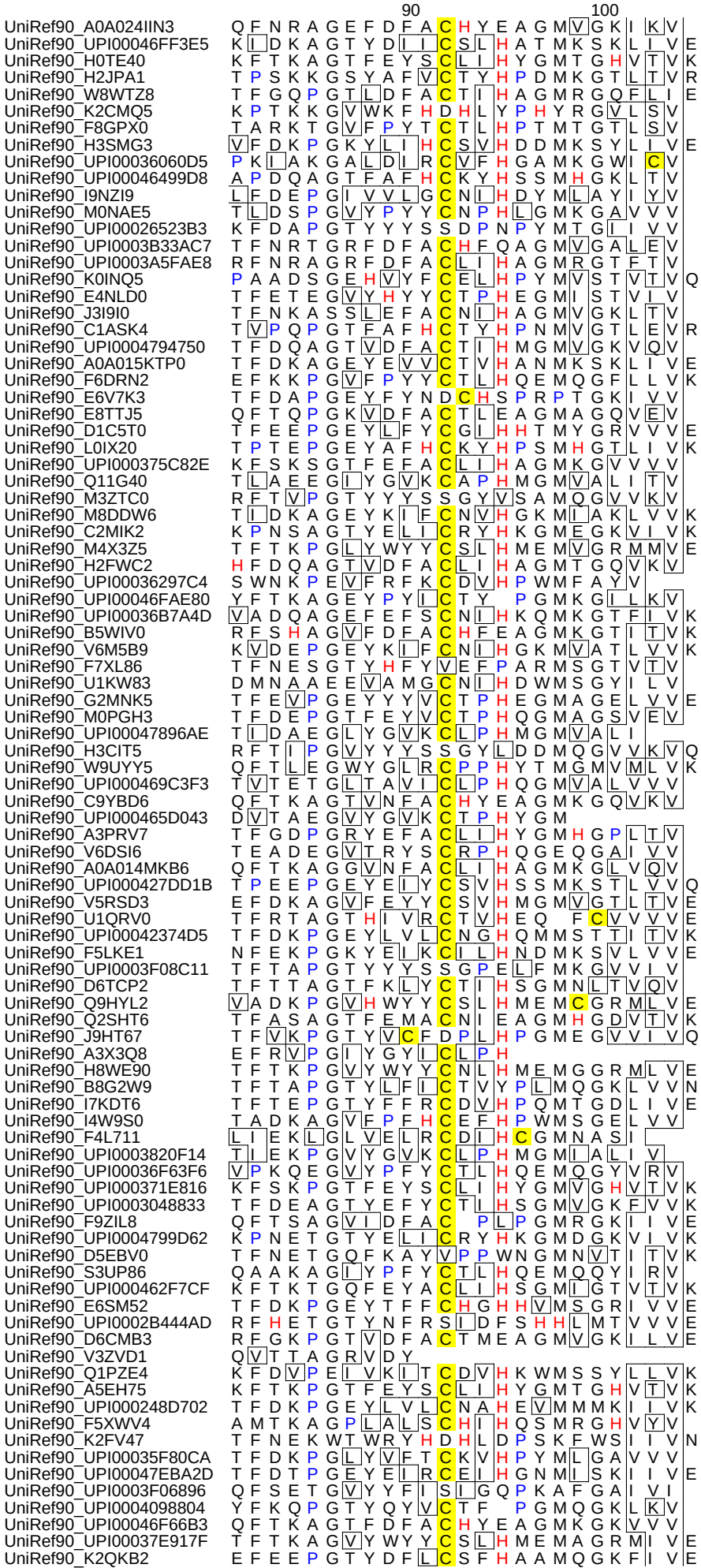

1
10
20
30
40
UniRef90_K2DHA0
UniRef90_U1KWS9
UniRef90_W1L1T6
UniRef90_UPI0003791DA0
UniRef90_W0RPP5
UniRef90_F3KW87
UniRef90_V6ASB9
UniRef90_UPI0003B55FEA
UniRef90_G6YLR3
UniRef90_UPI00041A1575
UniRef90_B9LNX6
UniRef90_G9A8U1
UniRef90_K8NTH7
UniRef90_A9A4Z5
UniRef90_K7SEI0
UniRef90_E7RUD8
UniRef90_F2JVM8
UniRef90_K6ZFW4
UniRef90_D0I8L1
UniRef90_Q12SA5
UniRef90_UPI00047B48F3
UniRef90_UPI0003B5C50E
UniRef90_UPI00036B791D
UniRef90_UPI00035C6C5C
UniRef90_UPI00040ED556
UniRef90_A6FDW9
UniRef90_W0RQ00
UniRef90_A6FGG7
UniRef90_Q6LTI4
UniRef90_UPI0003743C5B
UniRef90_UPI00031D0253
UniRef90_J3DG92
UniRef90_L9UNK6
UniRef90_T0HQU4
UniRef90_UPI0003B5689F
UniRef90_E3HH93
UniRef90_T0RML8
UniRef90_L0F3H3
UniRef90_W7QFX3
UniRef90_A0A031MHU3
UniRef90_W3RGJ7
UniRef90_F5S8H2
UniRef90_V9H6T1
UniRef90_A0A017HSV2
UniRef90_M1XSK3
UniRef90_U1PRZ5
UniRef90_A0RYM4
UniRef90_K0VCV2
UniRef90_C5TD64
UniRef90_C7LN85
UniRef90_M0D2F0
UniRef90_M8ECN6
UniRef90_K2FTX2
UniRef90_UPI000467A181
UniRef90_M0L2F5
UniRef90_UPI00026520E4
UniRef90_R9PH21
UniRef90_B3EN78
UniRef90_Q1N3A8
UniRef90_Q82UJ3
UniRef90_I3D0R4
UniRef90_UPI000477AC4B
UniRef90_K0I0Z4
UniRef90_K1Y6T8
UniRef90_UPI00036D7A3F
UniRef90_UPI00037DFDA8
UniRef90_B8FZJ4
UniRef90_A0A052J4M8
UniRef90_A1B6C2
UniRef90_A3CSW6
UniRef90_A0RWE7
UniRef90_A0A011R9B8
UniRef90_W0RG85
UniRef90_B4UJY3
UniRef90_M5DP99
UniRef90_Q8U549
UniRef90_D7BH40
UniRef90_C9YCB0
UniRef90_UPI00036279A3
UniRef90_H3SHG4
UniRef90_UPI000475687D
UniRef90_UPI000465D9B9
UniRef90_D5DDJ1
UniRef90_G4QFW8
UniRef90_A0A011PYA8
UniRef90_G0QGW1
UniRef90_W4GW00
UniRef90_M5TE70
UniRef90_I0XTR1
UniRef90_Q11NB3
UniRef90_UPI000479B216
UniRef90_M0F6I0

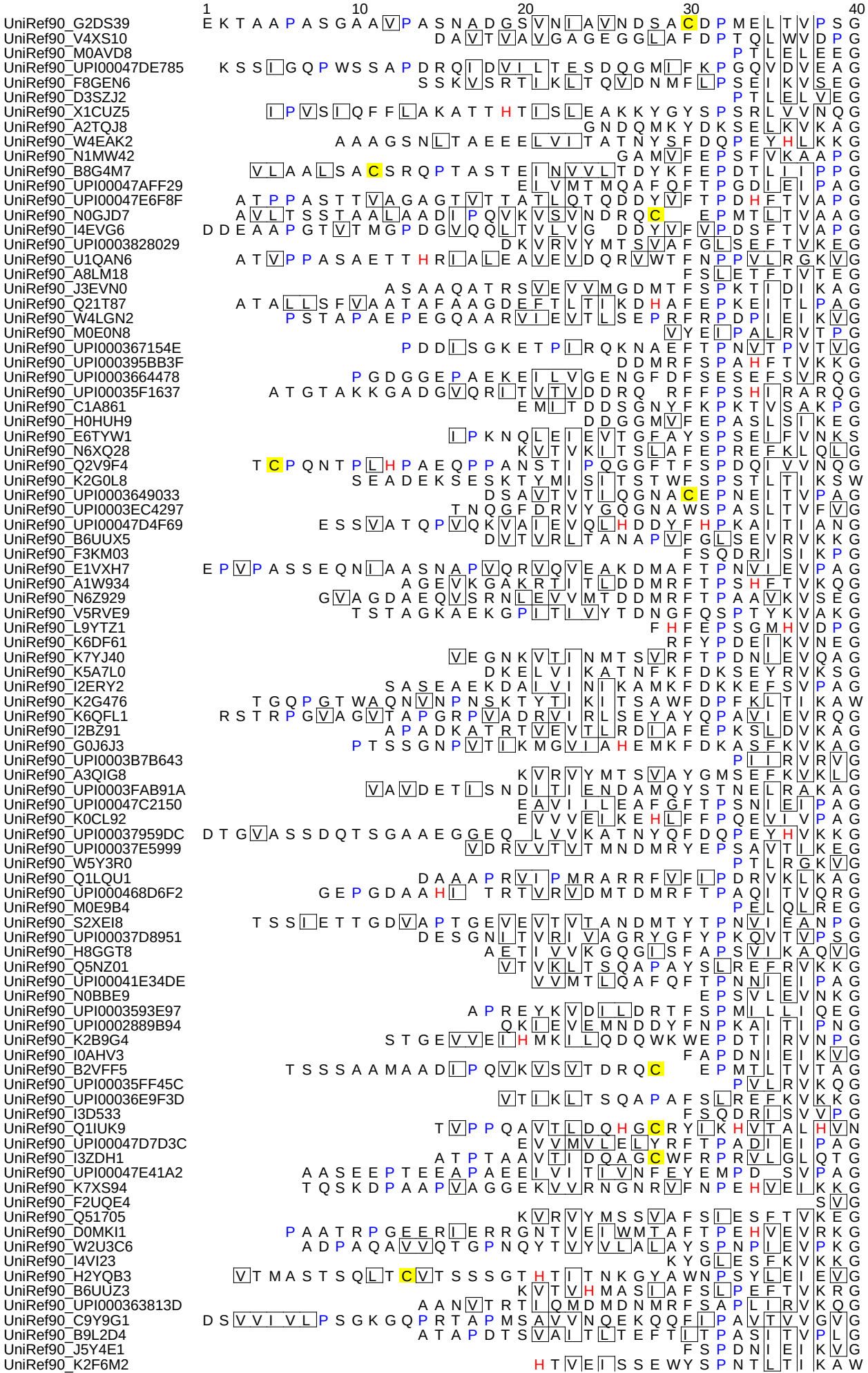

50
60
70
80
UniRef90_K2DHA0
UniRef90_U1KWS9
UniRef90_W1L1T6
UniRef90_UPI0003791DA0
UniRef90_W0RPP5
UniRef90_F3KW87
UniRef90_V6ASB9
UniRef90_UPI0003B55FEA
UniRef90_G6YLR3
UniRef90_UPI00041A1575
UniRef90_B9LNX6
UniRef90_G9A8U1
UniRef90_K8NTH7
UniRef90_A9A4Z5
UniRef90_K7SEI0
UniRef90_E7RUD8
UniRef90_F2JVM8
UniRef90_K6ZFW4
UniRef90_D0I8L1
UniRef90_Q12SA5
UniRef90_UPI00047B48F3
UniRef90_UPI0003B5C50E
UniRef90_UPI00036B791D
UniRef90_UPI00035C6C5C
UniRef90_UPI00040ED556
UniRef90_A6FDW9
UniRef90_W0RQ00
UniRef90_A6FGG7
UniRef90_Q6LTI4
UniRef90_UPI0003743C5B
UniRef90_UPI00031D0253
UniRef90_J3DG92
UniRef90_L9UNK6
UniRef90_T0HQU4
UniRef90_UPI0003B5689F
UniRef90_E3HH93
UniRef90_T0RML8
UniRef90_L0F3H3
UniRef90_W7QFX3
UniRef90_A0A031MHU3
UniRef90_W3RGJ7
UniRef90_F5S8H2
UniRef90_V9H6T1
UniRef90_A0A017HSV2
UniRef90_M1XSK3
UniRef90_U1PRZ5
UniRef90_A0RYM4
UniRef90_K0VCV2
UniRef90_C5TD64
UniRef90_C7LN85
UniRef90_M0D2F0
UniRef90_M8ECN6
UniRef90_K2FTX2
UniRef90_UPI000467A181
UniRef90_M0L2F5
UniRef90_UPI00026520E4
UniRef90_R9PH21
UniRef90_B3EN78
UniRef90_Q1N3A8
UniRef90_Q82UJ3
UniRef90_I3D0R4
UniRef90_UPI000477AC4B
UniRef90_K0I0Z4
UniRef90_K1Y6T8
UniRef90_UPI00036D7A3F
UniRef90_UPI00037DFDA8
UniRef90_B8FZJ4
UniRef90_A0A052J4M8
UniRef90_A1B6C2
UniRef90_A3CSW6
UniRef90_A0RWE7
UniRef90_A0A011R9B8
UniRef90_W0RG85
UniRef90_B4UJY3
UniRef90_M5DP99
UniRef90_Q8U549
UniRef90_D7BH40
UniRef90_C9YCB0
UniRef90_UPI00036279A3
UniRef90_H3SHG4
UniRef90_UPI000475687D
UniRef90_UPI000465D9B9
UniRef90_D5DDJ1
UniRef90_G4QFW8
UniRef90_A0A011PYA8
UniRef90_G0QGW1
UniRef90_W4GW00
UniRef90_M5TE70
UniRef90_I0XTR1
UniRef90_Q11NB3
UniRef90_UPI000479B216
UniRef90_M0F6I0

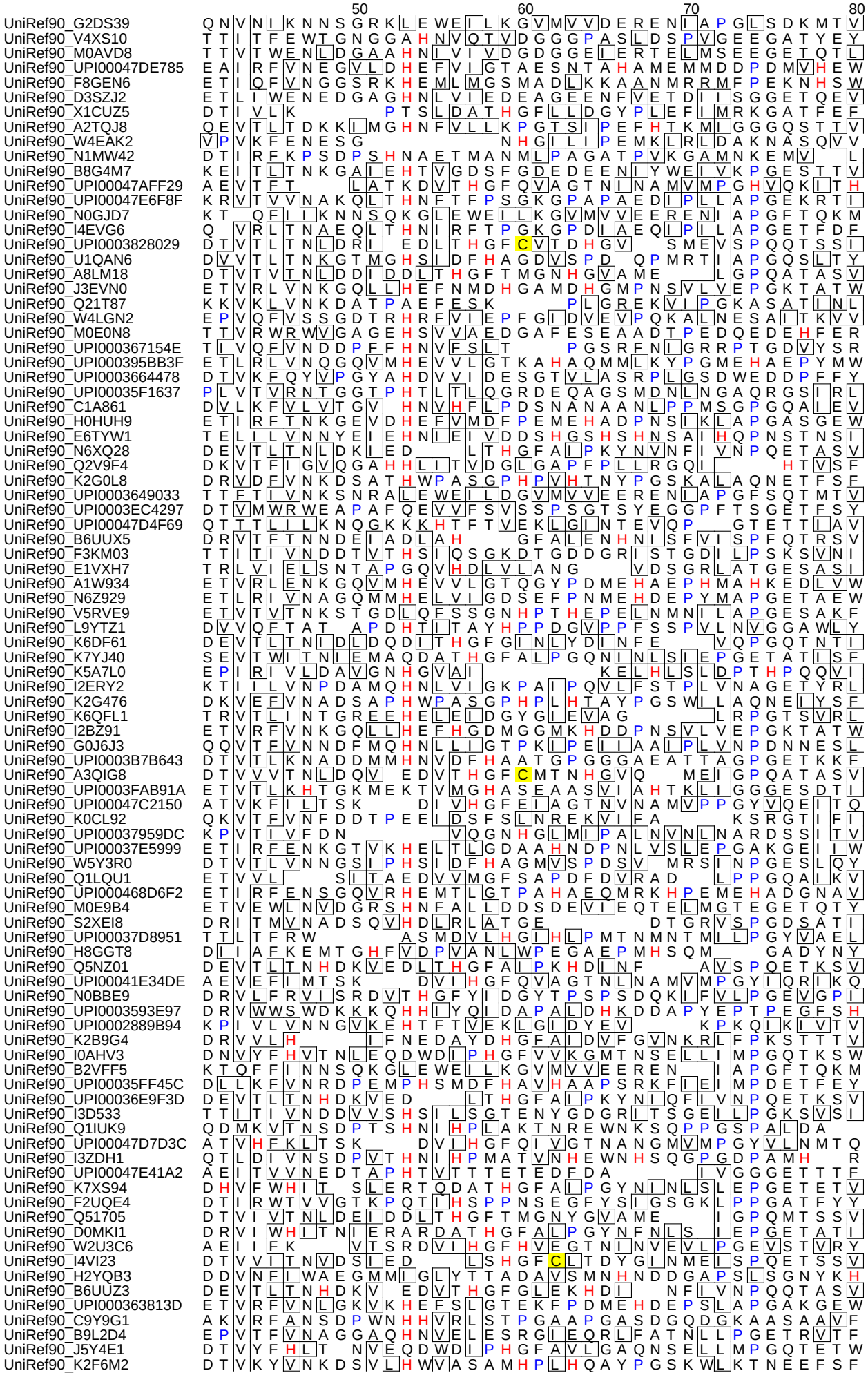

90
100
UniRef90_K2DHA0
UniRef90_U1KWS9
UniRef90_W1L1T6
UniRef90_UPI0003791DA0
UniRef90_W0RPP5
UniRef90_F3KW87
UniRef90_V6ASB9
UniRef90_UPI0003B55FEA
UniRef90_G6YLR3
UniRef90_UPI00041A1575
UniRef90_B9LNX6
UniRef90_G9A8U1
UniRef90_K8NTH7
UniRef90_A9A4Z5
UniRef90_K7SEI0
UniRef90_E7RUD8
UniRef90_F2JVM8
UniRef90_K6ZFW4
UniRef90_D0I8L1
UniRef90_Q12SA5
UniRef90_UPI00047B48F3
UniRef90_UPI0003B5C50E
UniRef90_UPI00036B791D
UniRef90_UPI00035C6C5C
UniRef90_UPI00040ED556
UniRef90_A6FDW9
UniRef90_W0RQ00
UniRef90_A6FGG7
UniRef90_Q6LTI4
UniRef90_UPI0003743C5B
UniRef90_UPI00031D0253
UniRef90_J3DG92
UniRef90_L9UNK6
UniRef90_T0HQU4
UniRef90_UPI0003B5689F
UniRef90_E3HH93
UniRef90_T0RML8
UniRef90_L0F3H3
UniRef90_W7QFX3
UniRef90_A0A031MHU3
UniRef90_W3RGJ7
UniRef90_F5S8H2
UniRef90_V9H6T1
UniRef90_A0A017HSV2
UniRef90_M1XSK3
UniRef90_U1PRZ5
UniRef90_A0RYM4
UniRef90_K0VCV2
UniRef90_C5TD64
UniRef90_C7LN85
UniRef90_M0D2F0
UniRef90_M8ECN6
UniRef90_K2FTX2
UniRef90_UPI000467A181
UniRef90_M0L2F5
UniRef90_UPI00026520E4
UniRef90_R9PH21
UniRef90_B3EN78
UniRef90_Q1N3A8
UniRef90_Q82UJ3
UniRef90_I3D0R4
UniRef90_UPI000477AC4B
UniRef90_K0I0Z4
UniRef90_K1Y6T8
UniRef90_UPI00036D7A3F
UniRef90_UPI00037DFDA8
UniRef90_B8FZJ4
UniRef90_A0A052J4M8
UniRef90_A1B6C2
UniRef90_A3CSW6
UniRef90_A0RWE7
UniRef90_A0A011R9B8
UniRef90_W0RG85
UniRef90_B4UJY3
UniRef90_M5DP99
UniRef90_Q8U549
UniRef90_D7BH40
UniRef90_C9YCB0
UniRef90_UPI00036279A3
UniRef90_H3SHG4
UniRef90_UPI000475687D
UniRef90_UPI000465D9B9
UniRef90_D5DDJ1
UniRef90_G4QFW8
UniRef90_A0A011PYA8
UniRef90_G0QGW1
UniRef90_W4GW00
UniRef90_M5TE70
UniRef90_I0XTR1
UniRef90_Q11NB3
UniRef90_UPI000479B216
UniRef90_M0F6I0

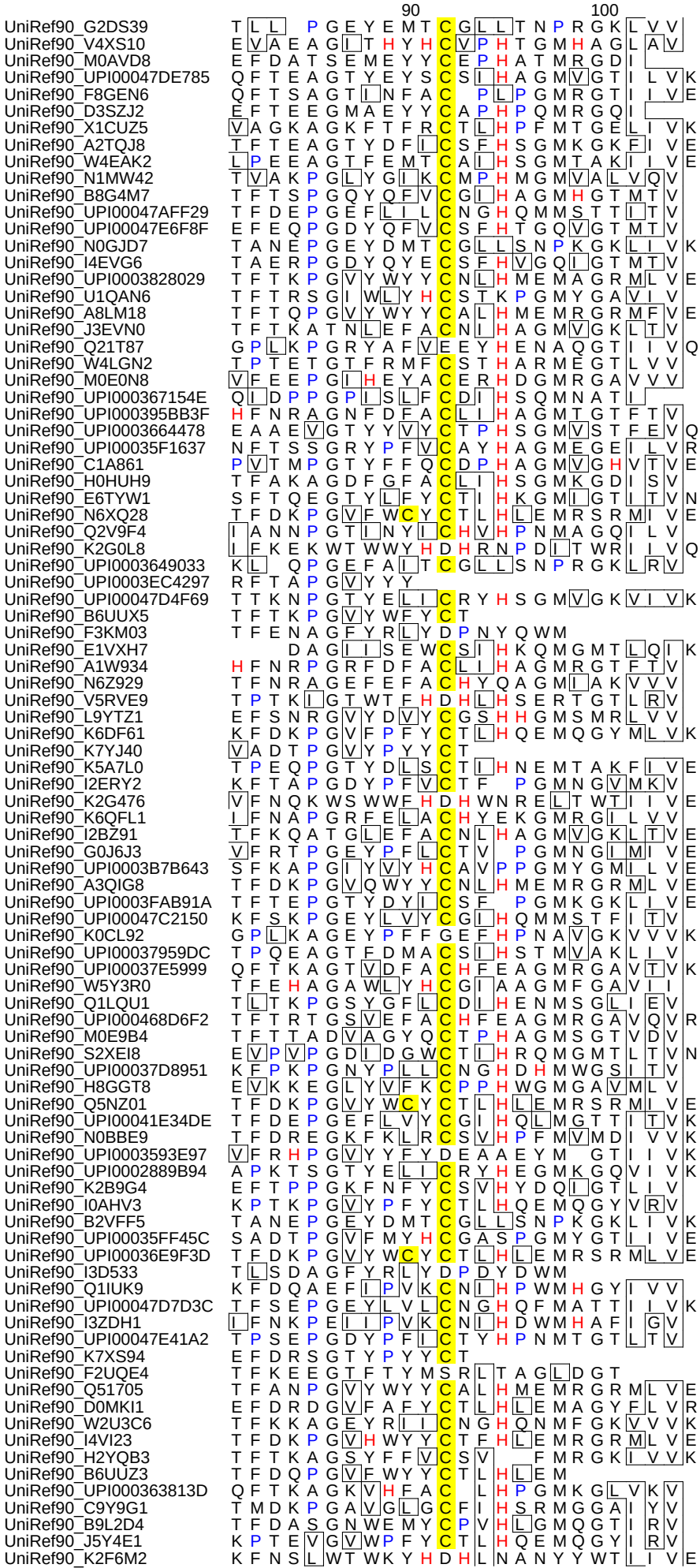

1
10
20
30
40
UniRef90_A0A024IIN3
UniRef90_UPI00046FF3E5
UniRef90_H0TE40
UniRef90_H2JPA1
UniRef90_W8WTZ8
UniRef90_K2CMQ5
UniRef90_F8GPX0
UniRef90_H3SMG3
UniRef90_UPI00036060D5
UniRef90_UPI00046499D8
UniRef90_I9NZI9
UniRef90_M0NAE5
UniRef90_UPI00026523B3
UniRef90_UPI0003B33AC7
UniRef90_UPI0003A5FAE8
UniRef90_K0INQ5
UniRef90_E4NLD0
UniRef90_J3I9I0
UniRef90_C1ASK4
UniRef90_UPI0004794750
UniRef90_A0A015KTP0
UniRef90_F6DRN2
UniRef90_E6V7K3
UniRef90_E8TTJ5
UniRef90_D1C5T0
UniRef90_L0IX20
UniRef90_UPI000375C82E
UniRef90_Q11G40
UniRef90_M3ZTC0
UniRef90_M8DDW6
UniRef90_C2MIK2
UniRef90_M4X3Z5
UniRef90_H2FWC2
UniRef90_UPI00036297C4
UniRef90_UPI00046FAE80
UniRef90_UPI00036B7A4D
UniRef90_B5WIV0
UniRef90_V6M5B9
UniRef90_F7XL86
UniRef90_U1KW83
UniRef90_G2MNK5
UniRef90_M0PGH3
UniRef90_UPI00047896AE
UniRef90_H3CIT5
UniRef90_W9UYY5
UniRef90_UPI000469C3F3
UniRef90_C9YBD6
UniRef90_UPI000465D043
UniRef90_A3PRV7
UniRef90_V6DSI6
UniRef90_A0A014MKB6
UniRef90_UPI000427DD1B
UniRef90_V5RSD3
UniRef90_U1QRV0
UniRef90_UPI00042374D5
UniRef90_F5LKE1
UniRef90_UPI0003F08C11
UniRef90_D6TCP2
UniRef90_Q9HYL2
UniRef90_Q2SHT6
UniRef90_J9HT67
UniRef90_A3X3Q8
UniRef90_H8WE90
UniRef90_B8G2W9
UniRef90_I7KDT6
UniRef90_I4W9S0
UniRef90_F4L711
UniRef90_UPI0003820F14
UniRef90_UPI00036F63F6
UniRef90_UPI000371E816
UniRef90_UPI0003048833
UniRef90_F9ZIL8
UniRef90_UPI0004799D62
UniRef90_D5EBV0
UniRef90_S3UP86
UniRef90_UPI000462F7CF
UniRef90_E6SM52
UniRef90_UPI0002B444AD
UniRef90_D6CMB3
UniRef90_V3ZVD1
UniRef90_Q1PZE4
UniRef90_A5EH75
UniRef90_UPI000248D702
UniRef90_F5XWV4
UniRef90_K2FV47
UniRef90_UPI00035F80CA
UniRef90_UPI00047EBA2D
UniRef90_UPI0003F06896
UniRef90_UPI0004098804
UniRef90_UPI00046F66B3
UniRef90_UPI00037E917F
UniRef90_K2QKB2

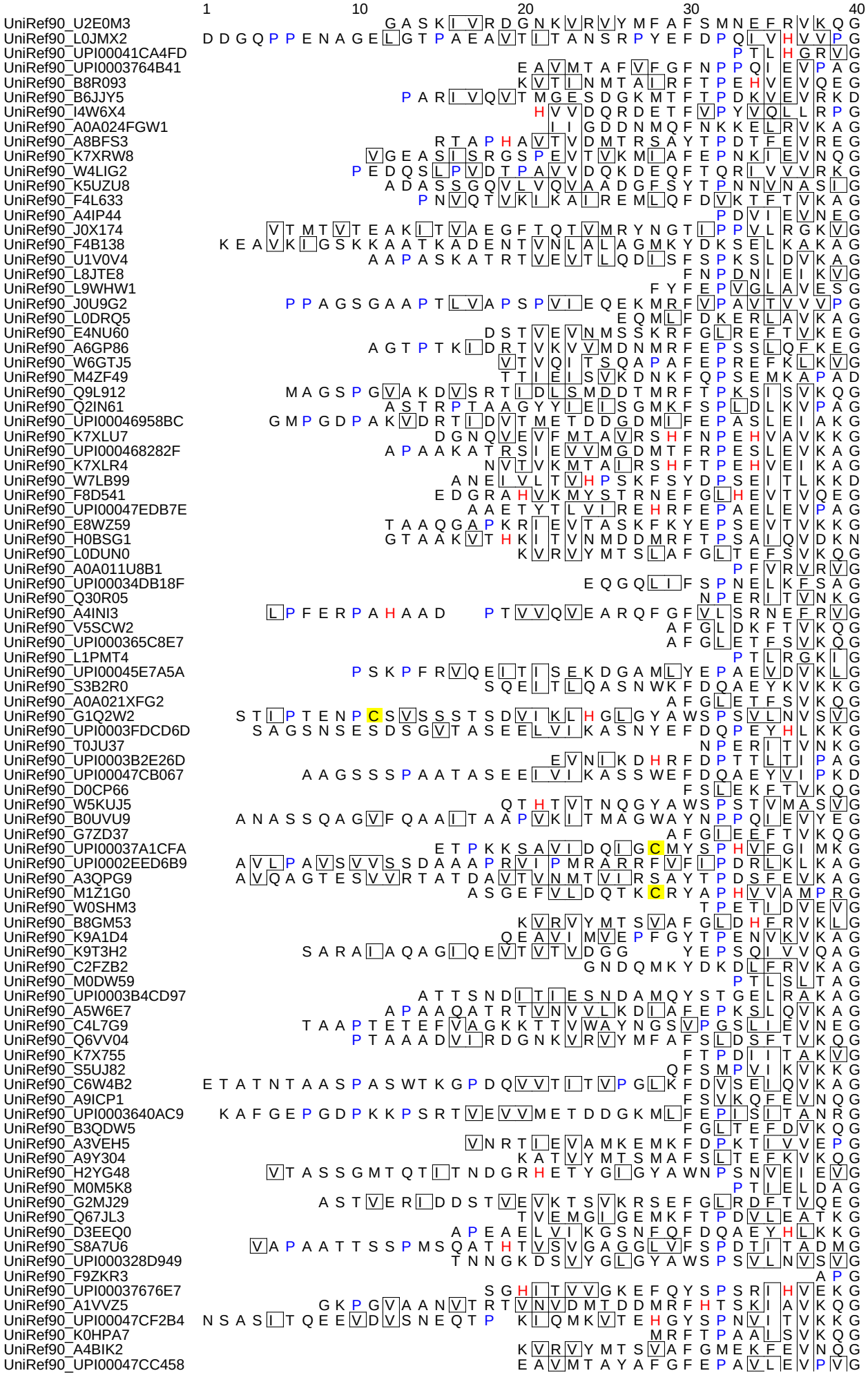

50
60
70
80
UniRef90_A0A024IIN3
UniRef90_UPI00046FF3E5
UniRef90_H0TE40
UniRef90_H2JPA1
UniRef90_W8WTZ8
UniRef90_K2CMQ5
UniRef90_F8GPX0
UniRef90_H3SMG3
UniRef90_UPI00036060D5
UniRef90_UPI00046499D8
UniRef90_I9NZI9
UniRef90_M0NAE5
UniRef90_UPI00026523B3
UniRef90_UPI0003B33AC7
UniRef90_UPI0003A5FAE8
UniRef90_K0INQ5
UniRef90_E4NLD0
UniRef90_J3I9I0
UniRef90_C1ASK4
UniRef90_UPI0004794750
UniRef90_A0A015KTP0
UniRef90_F6DRN2
UniRef90_E6V7K3
UniRef90_E8TTJ5
UniRef90_D1C5T0
UniRef90_L0IX20
UniRef90_UPI000375C82E
UniRef90_Q11G40
UniRef90_M3ZTC0
UniRef90_M8DDW6
UniRef90_C2MIK2
UniRef90_M4X3Z5
UniRef90_H2FWC2
UniRef90_UPI00036297C4
UniRef90_UPI00046FAE80
UniRef90_UPI00036B7A4D
UniRef90_B5WIV0
UniRef90_V6M5B9
UniRef90_F7XL86
UniRef90_U1KW83
UniRef90_G2MNK5
UniRef90_M0PGH3
UniRef90_UPI00047896AE
UniRef90_H3CIT5
UniRef90_W9UYY5
UniRef90_UPI000469C3F3
UniRef90_C9YBD6
UniRef90_UPI000465D043
UniRef90_A3PRV7
UniRef90_V6DSI6
UniRef90_A0A014MKB6
UniRef90_UPI000427DD1B
UniRef90_V5RSD3
UniRef90_U1QRV0
UniRef90_UPI00042374D5
UniRef90_F5LKE1
UniRef90_UPI0003F08C11
UniRef90_D6TCP2
UniRef90_Q9HYL2
UniRef90_Q2SHT6
UniRef90_J9HT67
UniRef90_A3X3Q8
UniRef90_H8WE90
UniRef90_B8G2W9
UniRef90_I7KDT6
UniRef90_I4W9S0
UniRef90_F4L711
UniRef90_UPI0003820F14
UniRef90_UPI00036F63F6
UniRef90_UPI000371E816
UniRef90_UPI0003048833
UniRef90_F9ZIL8
UniRef90_UPI0004799D62
UniRef90_D5EBV0
UniRef90_S3UP86
UniRef90_UPI000462F7CF
UniRef90_E6SM52
UniRef90_UPI0002B444AD
UniRef90_D6CMB3
UniRef90_V3ZVD1
UniRef90_Q1PZE4
UniRef90_A5EH75
UniRef90_UPI000248D702
UniRef90_F5XWV4
UniRef90_K2FV47
UniRef90_UPI00035F80CA
UniRef90_UPI00047EBA2D
UniRef90_UPI0003F06896
UniRef90_UPI0004098804
UniRef90_UPI00046F66B3
UniRef90_UPI00037E917F
UniRef90_K2QKB2

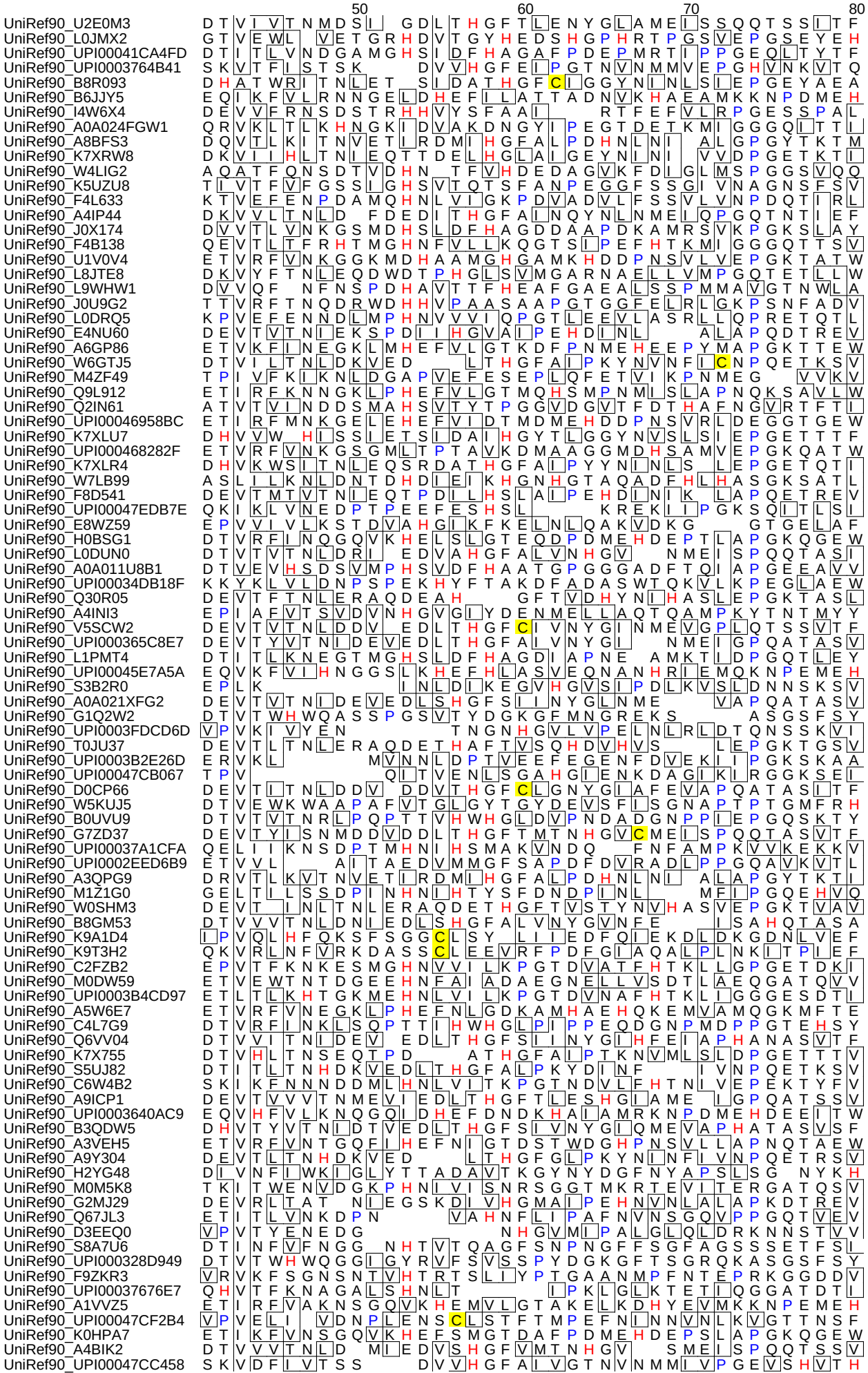

90
100
UniRef90_A0A024IIN3 Q F N R A G E F D F A C H Y E A G M V G K I K V
UniRef90_UPI00046FF3E5 K I D K A G T Y D I I C S L H A T M K S K L I V E
UniRef90_H0TE40 K F T K A G T F E Y S C L I H Y G M T G H V T V K
UniRef90_H2JPA1 T P S K K G S Y A F V C T Y H P D M K G T L T V R
UniRef90_W8WTZ8 T F G Q P G T L D F A C T I H A G M R G Q F L I E
UniRef90_K2CMQ5 K P T K K G V W K F H D H L Y P H Y R G V L S V
UniRef90_F8GPX0 T A R K T G V F P Y T C T L H P T M T G T L S V
UniRef90_H3SMG3 V F D K P G K Y L I H C S V H D D M K S Y L I V E
UniRef90_UPI00036060D5 P K I A K G A L D I R C V F H G A M K G W I C V
UniRef90_UPI00046499D8 A P D Q A G T F A F H C K Y H S S M H G K L T V
UniRef90_I9NZI9 L F D E P G I V V L G C N I H D Y M L A Y I Y V
UniRef90_M0NAE5 T L D S P G V Y P Y Y C N P H L G M K G A V V V
UniRef90_UPI00026523B3 K F D A P G T Y Y Y S S D P N P Y M T G I I V V
UniRef90_UPI0003B33AC7 T F N R T G R F D F A C H F Q A G M V G A L E V
UniRef90_UPI0003A5FAE8 R F N R A G R F D F A C L I H A G M R G T F T V
UniRef90_K0INQ5 P A A D S G E H V Y F C E L H P Y M V S T V T V Q
UniRef90_E4NLD0 T F E T E G V Y H Y Y C T P H E G M I S T V I V
UniRef90_J3I9I0 T F N K A S S L E F A C N I H A G M V G K L T V
UniRef90_C1ASK4 T V P Q P G T F A F H C T Y H P N M V G T L E V R
UniRef90_UPI0004794750 T F D Q A G T V D F A C T I H M G M V G K V Q V
UniRef90_A0A015KTP0 T F D K A G E Y E V V C T V H A N M K S K L I V E
UniRef90_F6DRN2 E F K K P G V F P Y Y C T L H Q E M Q G F L L V K
UniRef90_E6V7K3 T F D A P G E Y F Y N D C H S P R P T G K I V V
UniRef90_E8TTJ5 Q F T Q P G K V D F A C T L E A G M A G Q V E V
UniRef90_D1C5T0 T F E E P G E Y L F Y C G I H H T M Y G R V V V E
UniRef90_L0IX20 T P T E P G E Y A F H C K Y H P S M H G T L I V K
UniRef90_UPI000375C82E K F S K S G T F E F A C L I H A G M K G V V V V
UniRef90_Q11G40 T L A E E G I Y G V K C A P H M G M V A L I T V
UniRef90_M3ZTC0 R F T V P G T Y Y Y S S G Y V S A M Q G V V K V
UniRef90_M8DDW6 T I D K A G E Y K I F C N V H G K M I A K L V V K
UniRef90_C2MIK2 K P N S A G T Y E L I C R Y H K G M E G K V I V K
UniRef90_M4X3Z5 T F T K P G L Y W Y Y C S L H M E M V G R M M V E
UniRef90_H2FWC2 H F D Q A G T V D F A C L I H A G M T G Q V K V
UniRef90_UPI00036297C4 S W N K P E V F R F K C D V H P W M F A Y V
UniRef90_UPI00046FAE80 Y F T K A G E Y P Y I C T Y P G M K G I L K V
UniRef90_UPI00036B7A4D V A D Q A G E F E F S C N I H K Q M K G T F I V K
UniRef90_B5WIV0 R F S H A G V F D F A C H F E A G M K G T I T V K
UniRef90_V6M5B9 K V D E P G E Y K I F C N I H G K M V A T L V V K
UniRef90_F7XL86 T F N E S G T Y H F Y V E F P A R M S G T V T V
UniRef90_U1KW83 D M N A A E E V A M G C N I H D W M S G Y I L V
UniRef90_G2MNK5 T F E V P G E Y Y Y V C T P H E G M A G E L V V E
UniRef90_M0PGH3 T F D E P G T F E Y V C T P H Q G M A G S V E V
UniRef90_UPI00047896AE T I D A E G L Y G V K C L P H M G M V A L I
UniRef90_H3CIT5 R F T I P G V Y Y Y S S G Y L D D M Q G V V K V Q
UniRef90_W9UYY5 Q F T L E G W Y G L R C P P H Y T M G M V M L V K
UniRef90_UPI000469C3F3 T V T E T G L T A V I C L P H Q G M V A L V V V
UniRef90_C9YBD6 Q F T K A G T V N F A C H Y E A G M K G Q V K V
UniRef90_UPI000465D043 D V T A E G V Y G V K C T P H Y G M
UniRef90_A3PRV7 T F G D P G R Y E F A C L I H Y G M H G P L T V
UniRef90_V6DSI6 T E A D E G V T R Y S C R P H Q G E Q G A I V V
UniRef90_A0A014MKB6 Q F T K A G G V N F A C L I H A G M K G L V Q V
UniRef90_UPI000427DD1B T P E E P G E Y E I Y C S V H S S M K S T L V V Q
UniRef90_V5RSD3 E F D K A G V F E Y Y C S V H M G M V G T L T V E
UniRef90_U1QRV0 T F R T A G T H I V R C T V H E Q F C V V V V E
UniRef90_UPI00042374D5 T F D K P G E Y L V L C N G H Q M M S T T I T V K
UniRef90_F5LKE1 N F E K P G K Y E I K C I L H N D M K S V L V V E
UniRef90_UPI0003F08C11 T F T A P G T Y Y Y S S G P E L F M K G V V I V
UniRef90_D6TCP2 T F T T A G T F K L Y C T I H S G M N L T V Q V
UniRef90_Q9HYL2 V A D K P G V H W Y Y C S L H M E M C G R M L V E
UniRef90_Q2SHT6 T F A S A G T F E M A C N I E A G M H G D V T V K
UniRef90_J9HT67 T F V K P G T Y V C F D P L H P G M E G V V I V Q
UniRef90_A3X3Q8 E F R V P G I Y G Y I C L P H
UniRef90_H8WE90 T F T K P G V Y W Y Y C N L H M E M G G R M L V E
UniRef90_B8G2W9 T F T A P G T Y L F I C T V Y P L M Q G K L V V N
UniRef90_I7KDT6 T F T E P G T Y F F R C D V H P Q M T G D L I V E
UniRef90_I4W9S0 T A D K A G V F P F H C E F H P W M S G E L V V
UniRef90_F4L711 L I E K L G L V E L R C D I H C G M N A S I
UniRef90_UPI0003820F14 T I E K P G V Y G V K C L P H M G M I A L I V
UniRef90_UPI00036F63F6 V P K Q E G V Y P F Y C T L H Q E M Q G Y V R V
UniRef90_UPI000371E816 K F S K P G T F E Y S C L I H Y G M V G H V T V K
UniRef90_UPI0003048833 T F D E A G T Y E F Y C T I H S G M V G K F V V K
UniRef90_F9ZIL8 Q F T S A G V I D F A C P L P G M R G K I I V E
UniRef90_UPI0004799D62 K P N E T G T Y E L I C R Y H K G M D G K V I V K
UniRef90_D5EBV0 T F N E T G Q F K A Y V P P W N G M N V T I T V K
UniRef90_S3UP86 Q A A K A G I Y P F Y C T L H Q E M Q Q Y I R V
UniRef90_UPI000462F7CF K F T K T G Q F E Y A C L I H S G M I G T V T V K
UniRef90_E6SM52 T F D K P G E Y T F F C H G H H V M S G R I V V E
UniRef90_UPI0002B444AD R F H E T G T Y N F R S I D F S H H L M T V V V E
UniRef90_D6CMB3 R F G K P G T V D F A C T M E A G M V G K I L V E
UniRef90_V3ZVD1 Q V T T A G R V D Y
UniRef90_Q1PZE4 K F D V P E I V K I T C D V H K W M S S Y L L V K
UniRef90_A5EH75 K F T K P G T F E Y S C L I H Y G M T G H V T V K
UniRef90_UPI000248D702 T F D K P G E Y L V L C N A H E V M M M K I I V K
UniRef90_F5XWV4 A M T K A G P L A L S C H I H Q S M R G H V Y V
UniRef90_K2FV47 T F N E K W T W R Y H D H L D P S K F W S I I V N
UniRef90_UPI00035F80CA T F D K P G L Y V F T C K V H P Y M L G A V V V
UniRef90_UPI00047EBA2D T F D T P G E Y E I R C E I H G N M I S K I I V E
UniRef90_UPI0003F06896 Q F S E T G V Y Y F I S I G Q P K A F G A I V I
UniRef90_UPI0004098804 Y F K Q P G T Y Q Y V C T F P G M Q G K L K V
UniRef90_UPI00046F66B3 Q F T K A G T F D F A C H Y E A G M K G K V V V
UniRef90_UPI00037E917F T F T K A G V Y W Y Y C S L H M E M A G R M I V E
UniRef90_K2QKB2 E F E E P G T Y D F L C S F H A A M Q G K F I V E

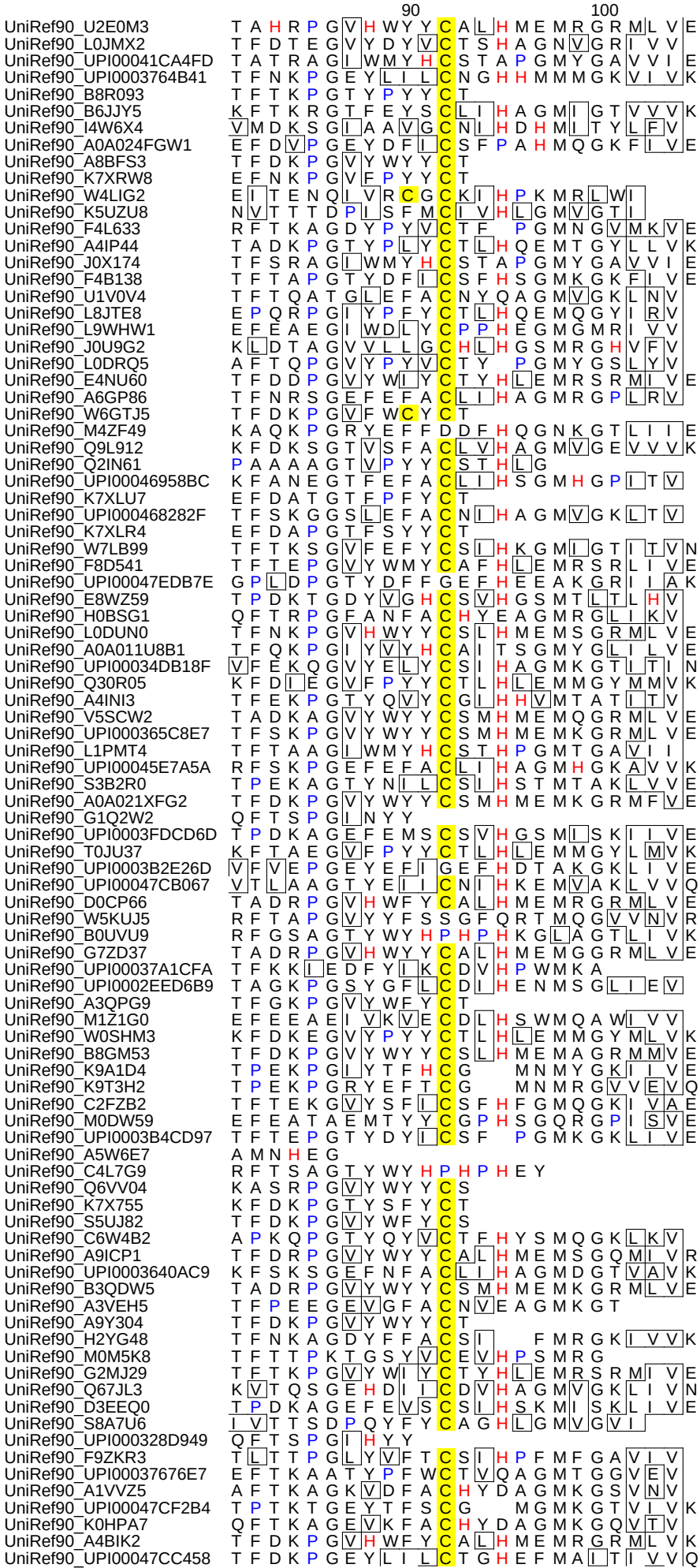

1
10
20
30
40
UniRef90_G2DS39
UniRef90_V4XS10
UniRef90_M0AVD8
UniRef90_UPI00047DE785
UniRef90_F8GEN6
UniRef90_D3SZJ2
UniRef90_X1CUZ5
UniRef90_A2TQJ8
UniRef90_W4EAK2
UniRef90_N1MW42
UniRef90_B8G4M7
UniRef90_UPI00047AFF29
UniRef90_UPI00047E6F8F
UniRef90_N0GJD7
UniRef90_I4EVG6
UniRef90_UPI0003828029
UniRef90_U1QAN6
UniRef90_A8LM18
UniRef90_J3EVN0
UniRef90_Q21T87
UniRef90_W4LGN2
UniRef90_M0E0N8
UniRef90_UPI000367154E
UniRef90_UPI000395BB3F
UniRef90_UPI0003664478
UniRef90_UPI00035F1637
UniRef90_C1A861
UniRef90_H0HUH9
UniRef90_E6TYW1
UniRef90_N6XQ28
UniRef90_Q2V9F4
UniRef90_K2G0L8
UniRef90_UPI0003649033
UniRef90_UPI0003EC4297
UniRef90_UPI00047D4F69
UniRef90_B6UUX5
UniRef90_F3KM03
UniRef90_E1VXH7
UniRef90_A1W934
UniRef90_N6Z929
UniRef90_V5RVE9
UniRef90_L9YTZ1
UniRef90_K6DF61
UniRef90_K7YJ40
UniRef90_K5A7L0
UniRef90_I2ERY2
UniRef90_K2G476
UniRef90_K6QFL1
UniRef90_I2BZ91
UniRef90_G0J6J3
UniRef90_UPI0003B7B643
UniRef90_A3QIG8
UniRef90_UPI0003FAB91A
UniRef90_UPI00047C2150
UniRef90_K0CL92
UniRef90_UPI00037959DC
UniRef90_UPI00037E5999
UniRef90_W5Y3R0
UniRef90_Q1LQU1
UniRef90_UPI000468D6F2
UniRef90_M0E9B4
UniRef90_S2XEI8
UniRef90_UPI00037D8951
UniRef90_H8GGT8
UniRef90_Q5NZ01
UniRef90_UPI00041E34DE
UniRef90_N0BBE9
UniRef90_UPI0003593E97
UniRef90_UPI0002889B94
UniRef90_K2B9G4
UniRef90_I0AHV3
UniRef90_B2VFF5
UniRef90_UPI00035FF45C
UniRef90_UPI00036E9F3D
UniRef90_I3D533
UniRef90_Q1IUK9
UniRef90_UPI00047D7D3C
UniRef90_I3ZDH1
UniRef90_UPI00047E41A2
UniRef90_K7XS94
UniRef90_F2UQE4
UniRef90_Q51705
UniRef90_D0MKI1
UniRef90_W2U3C6
UniRef90_I4VI23
UniRef90_H2YQB3
UniRef90_B6UUZ3
UniRef90_UPI000363813D
UniRef90_C9Y9G1
UniRef90_B9L2D4
UniRef90_J5Y4E1
UniRef90_K2F6M2

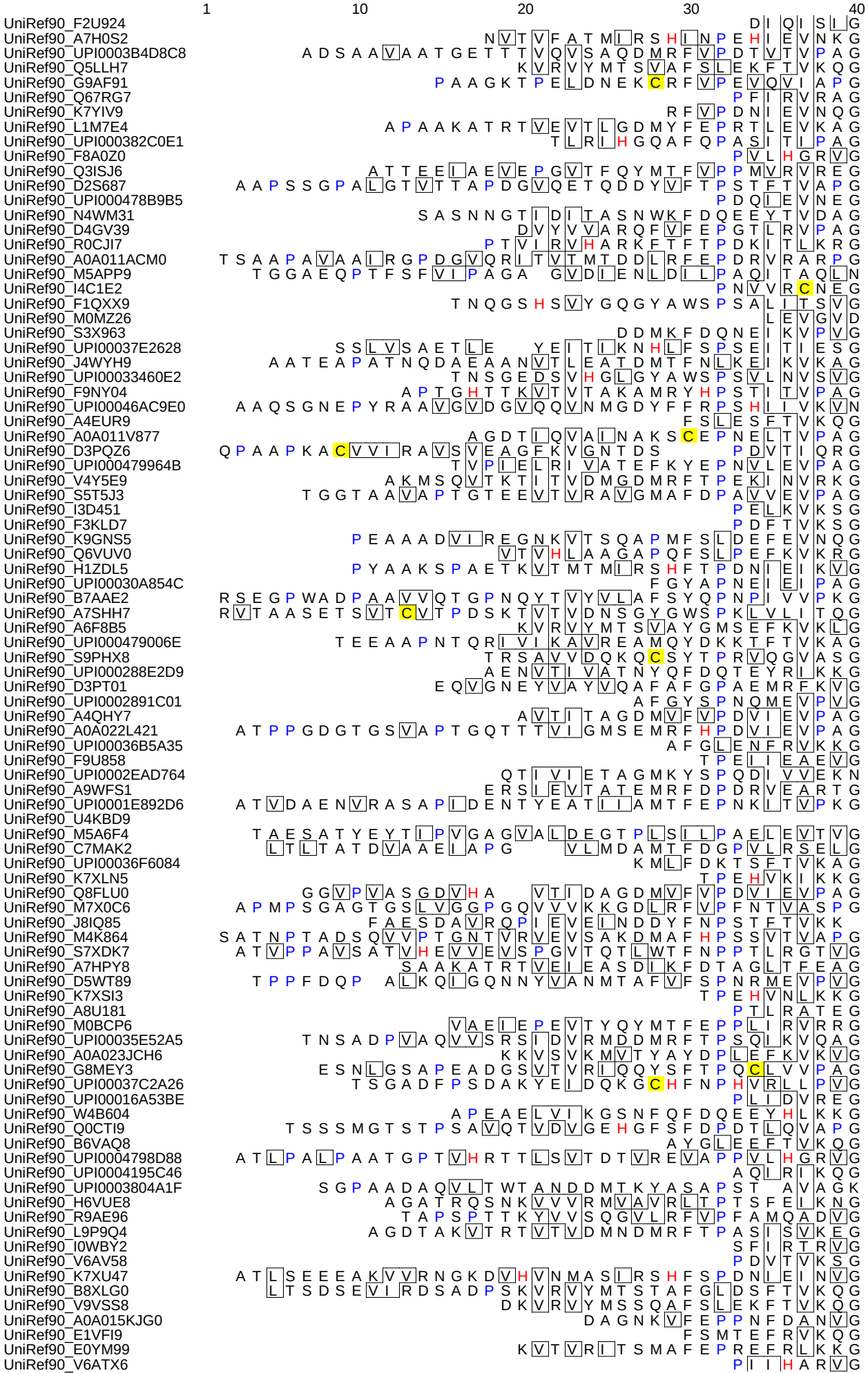

50
60
70
80
UniRef90_G2DS39
UniRef90_V4XS10
UniRef90_M0AVD8
UniRef90_UPI00047DE785
UniRef90_F8GEN6
UniRef90_D3SZJ2
UniRef90_X1CUZ5
UniRef90_A2TQJ8
UniRef90_W4EAK2
UniRef90_N1MW42
UniRef90_B8G4M7
UniRef90_UPI00047AFF29
UniRef90_UPI00047E6F8F
UniRef90_N0GJD7
UniRef90_I4EVG6
UniRef90_UPI0003828029
UniRef90_U1QAN6
UniRef90_A8LM18
UniRef90_J3EVN0
UniRef90_Q21T87
UniRef90_W4LGN2
UniRef90_M0E0N8
UniRef90_UPI000367154E
UniRef90_UPI000395BB3F
UniRef90_UPI0003664478
UniRef90_UPI00035F1637
UniRef90_C1A861
UniRef90_H0HUH9
UniRef90_E6TYW1
UniRef90_N6XQ28
UniRef90_Q2V9F4
UniRef90_K2G0L8
UniRef90_UPI0003649033
UniRef90_UPI0003EC4297
UniRef90_UPI00047D4F69
UniRef90_B6UUX5
UniRef90_F3KM03
UniRef90_E1VXH7
UniRef90_A1W934
UniRef90_N6Z929
UniRef90_V5RVE9
UniRef90_L9YTZ1
UniRef90_K6DF61
UniRef90_K7YJ40
UniRef90_K5A7L0
UniRef90_I2ERY2
UniRef90_K2G476
UniRef90_K6QFL1
UniRef90_I2BZ91
UniRef90_G0J6J3
UniRef90_UPI0003B7B643
UniRef90_A3QIG8
UniRef90_UPI0003FAB91A
UniRef90_UPI00047C2150
UniRef90_K0CL92
UniRef90_UPI00037959DC
UniRef90_UPI00037E5999
UniRef90_W5Y3R0
UniRef90_Q1LQU1
UniRef90_UPI000468D6F2
UniRef90_M0E9B4
UniRef90_S2XEI8
UniRef90_UPI00037D8951
UniRef90_H8GGT8
UniRef90_Q5NZ01
UniRef90_UPI00041E34DE
UniRef90_N0BBE9
UniRef90_UPI0003593E97
UniRef90_UPI0002889B94
UniRef90_K2B9G4
UniRef90_I0AHV3
UniRef90_B2VFF5
UniRef90_UPI00035FF45C
UniRef90_UPI00036E9F3D
UniRef90_I3D533
UniRef90_Q1IUK9
UniRef90_UPI00047D7D3C
UniRef90_I3ZDH1
UniRef90_UPI00047E41A2
UniRef90_K7XS94
UniRef90_F2UQE4
UniRef90_Q51705
UniRef90_D0MKI1
UniRef90_W2U3C6
UniRef90_I4VI23
UniRef90_H2YQB3
UniRef90_B6UUZ3
UniRef90_UPI000363813D
UniRef90_C9Y9G1
UniRef90_B9L2D4
UniRef90_J5Y4E1
UniRef90_K2F6M2

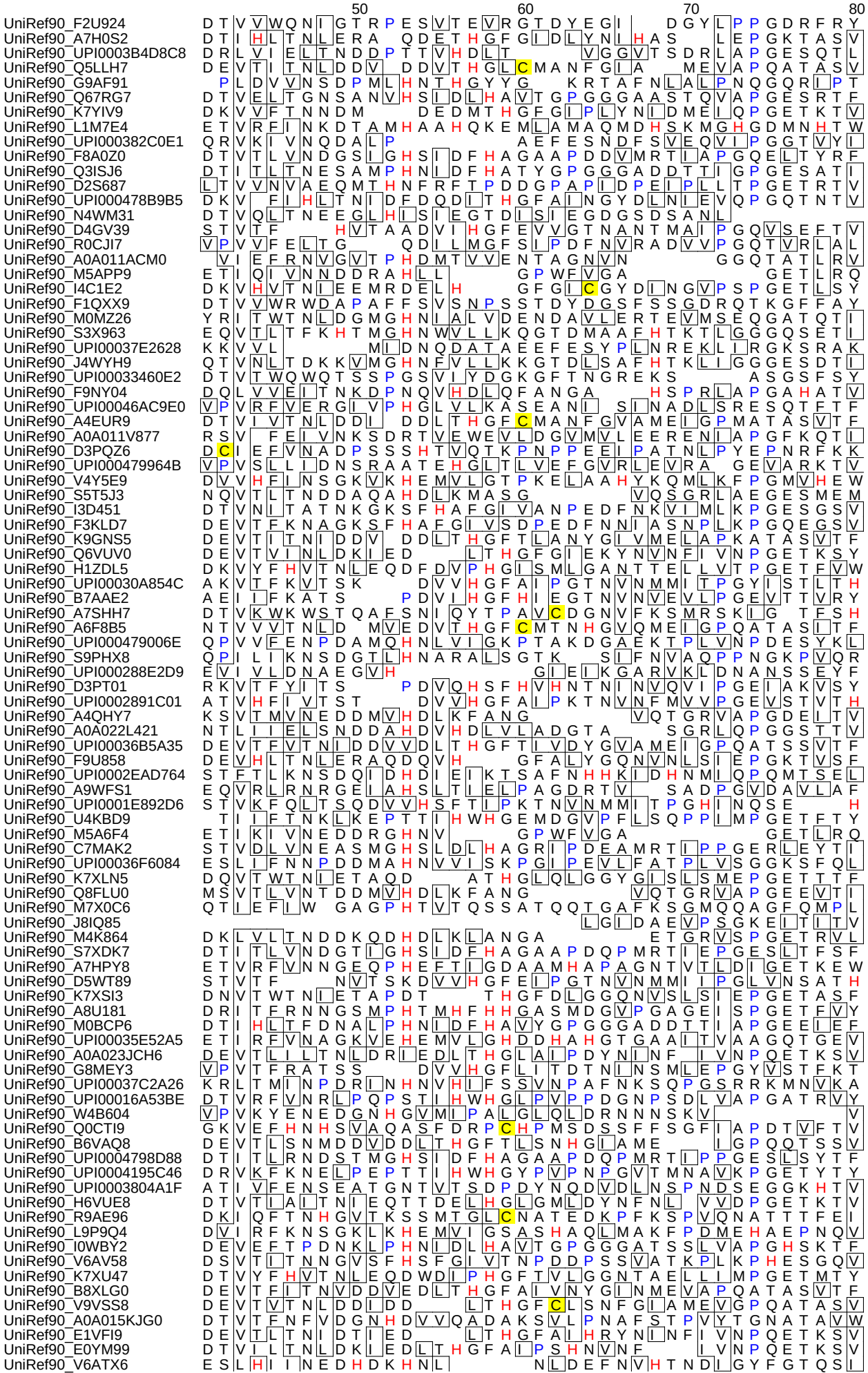

90
100
UniRef90_G2DS39
UniRef90_V4XS10
UniRef90_M0AVD8
UniRef90_UPI00047DE785
UniRef90_F8GEN6
UniRef90_D3SZJ2
UniRef90_X1CUZ5
UniRef90_A2TQJ8
UniRef90_W4EAK2
UniRef90_N1MW42
UniRef90_B8G4M7
UniRef90_UPI00047AFF29
UniRef90_UPI00047E6F8F
UniRef90_N0GJD7
UniRef90_I4EVG6
UniRef90_UPI0003828029
UniRef90_U1QAN6
UniRef90_A8LM18
UniRef90_J3EVN0
UniRef90_Q21T87
UniRef90_W4LGN2
UniRef90_M0E0N8
UniRef90_UPI000367154E
UniRef90_UPI000395BB3F
UniRef90_UPI0003664478
UniRef90_UPI00035F1637
UniRef90_C1A861
UniRef90_H0HUH9
UniRef90_E6TYW1
UniRef90_N6XQ28
UniRef90_Q2V9F4
UniRef90_K2G0L8
UniRef90_UPI0003649033
UniRef90_UPI0003EC4297
UniRef90_UPI00047D4F69
UniRef90_B6UUX5
UniRef90_F3KM03
UniRef90_E1VXH7
UniRef90_A1W934
UniRef90_N6Z929
UniRef90_V5RVE9
UniRef90_L9YTZ1
UniRef90_K6DF61
UniRef90_K7YJ40
UniRef90_K5A7L0
UniRef90_I2ERY2
UniRef90_K2G476
UniRef90_K6QFL1
UniRef90_I2BZ91
UniRef90_G0J6J3
UniRef90_UPI0003B7B643
UniRef90_A3QIG8
UniRef90_UPI0003FAB91A
UniRef90_UPI00047C2150
UniRef90_K0CL92
UniRef90_UPI00037959DC
UniRef90_UPI00037E5999
UniRef90_W5Y3R0
UniRef90_Q1LQU1
UniRef90_UPI000468D6F2
UniRef90_M0E9B4
UniRef90_S2XEI8
UniRef90_UPI00037D8951
UniRef90_H8GGT8
UniRef90_Q5NZ01
UniRef90_UPI00041E34DE
UniRef90_N0BBE9
UniRef90_UPI0003593E97
UniRef90_UPI0002889B94
UniRef90_K2B9G4
UniRef90_I0AHV3
UniRef90_B2VFF5
UniRef90_UPI00035FF45C
UniRef90_UPI00036E9F3D
UniRef90_I3D533
UniRef90_Q1IUK9
UniRef90_UPI00047D7D3C
UniRef90_I3ZDH1
UniRef90_UPI00047E41A2
UniRef90_K7XS94
UniRef90_F2UQE4
UniRef90_Q51705
UniRef90_D0MKI1
UniRef90_W2U3C6
UniRef90_I4VI23
UniRef90_H2YQB3
UniRef90_B6UUZ3
UniRef90_UPI000363813D
UniRef90_C9Y9G1
UniRef90_B9L2D4
UniRef90_J5Y4E1
UniRef90_K2F6M2

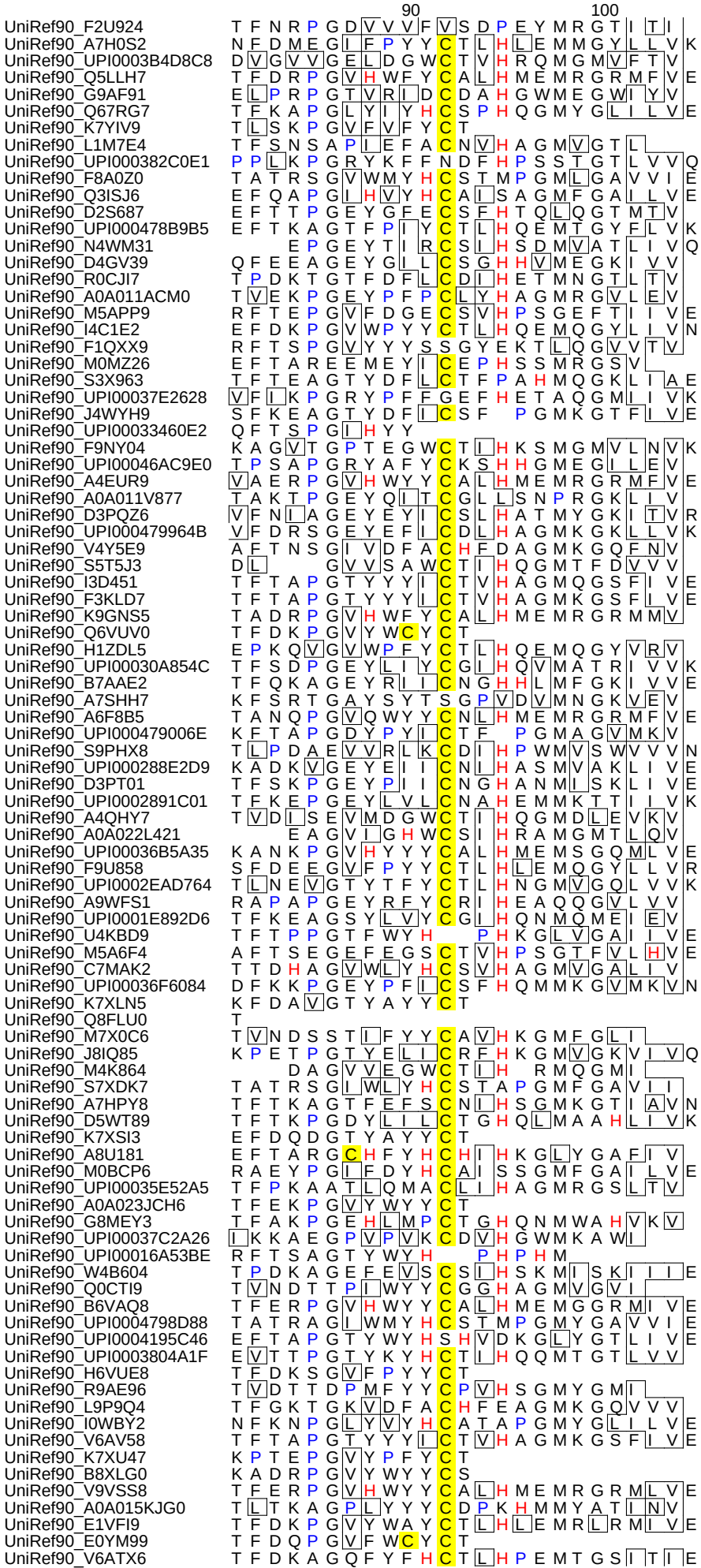

1
10
20
30
40
UniRef90_U2E0M3
UniRef90_L0JMX2
UniRef90_UPI00041CA4FD
UniRef90_UPI0003764B41
UniRef90_B8R093
UniRef90_B6JJY5
UniRef90_I4W6X4
UniRef90_A0A024FGW1
UniRef90_A8BFS3
UniRef90_K7XRW8
UniRef90_W4LIG2
UniRef90_K5UZU8
UniRef90_F4L633
UniRef90_A4IP44
UniRef90_J0X174
UniRef90_F4B138
UniRef90_U1V0V4
UniRef90_L8JTE8
UniRef90_L9WHW1
UniRef90_J0U9G2
UniRef90_L0DRQ5
UniRef90_E4NU60
UniRef90_A6GP86
UniRef90_W6GTJ5
UniRef90_M4ZF49
UniRef90_Q9L912
UniRef90_Q2IN61
UniRef90_UPI00046958BC
UniRef90_K7XLU7
UniRef90_UPI000468282F
UniRef90_K7XLR4
UniRef90_W7LB99
UniRef90_F8D541
UniRef90_UPI00047EDB7E
UniRef90_E8WZ59
UniRef90_H0BSG1
UniRef90_L0DUN0
UniRef90_A0A011U8B1
UniRef90_UPI00034DB18F
UniRef90_Q30R05
UniRef90_A4INI3
UniRef90_V5SCW2
UniRef90_UPI000365C8E7
UniRef90_L1PMT4
UniRef90_UPI00045E7A5A
UniRef90_S3B2R0
UniRef90_A0A021XFG2
UniRef90_G1Q2W2
UniRef90_UPI0003FDCD6D
UniRef90_T0JU37
UniRef90_UPI0003B2E26D
UniRef90_UPI00047CB067
UniRef90_D0CP66
UniRef90_W5KUJ5
UniRef90_B0UVU9
UniRef90_G7ZD37
UniRef90_UPI00037A1CFA
UniRef90_UPI0002EED6B9
UniRef90_A3QPG9
UniRef90_M1Z1G0
UniRef90_W0SHM3
UniRef90_B8GM53
UniRef90_K9A1D4
UniRef90_K9T3H2
UniRef90_C2FZB2
UniRef90_M0DW59
UniRef90_UPI0003B4CD97
UniRef90_A5W6E7
UniRef90_C4L7G9
UniRef90_Q6VV04
UniRef90_K7X755
UniRef90_S5UJ82
UniRef90_C6W4B2
UniRef90_A9ICP1
UniRef90_UPI0003640AC9
UniRef90_B3QDW5
UniRef90_A3VEH5
UniRef90_A9Y304
UniRef90_H2YG48
UniRef90_M0M5K8
UniRef90_G2MJ29
UniRef90_Q67JL3
UniRef90_D3EEQ0
UniRef90_S8A7U6
UniRef90_UPI000328D949
UniRef90_F9ZKR3
UniRef90_UPI00037676E7
UniRef90_A1VVZ5
UniRef90_UPI00047CF2B4
UniRef90_K0HPA7
UniRef90_A4BIK2
UniRef90_UPI00047CC458

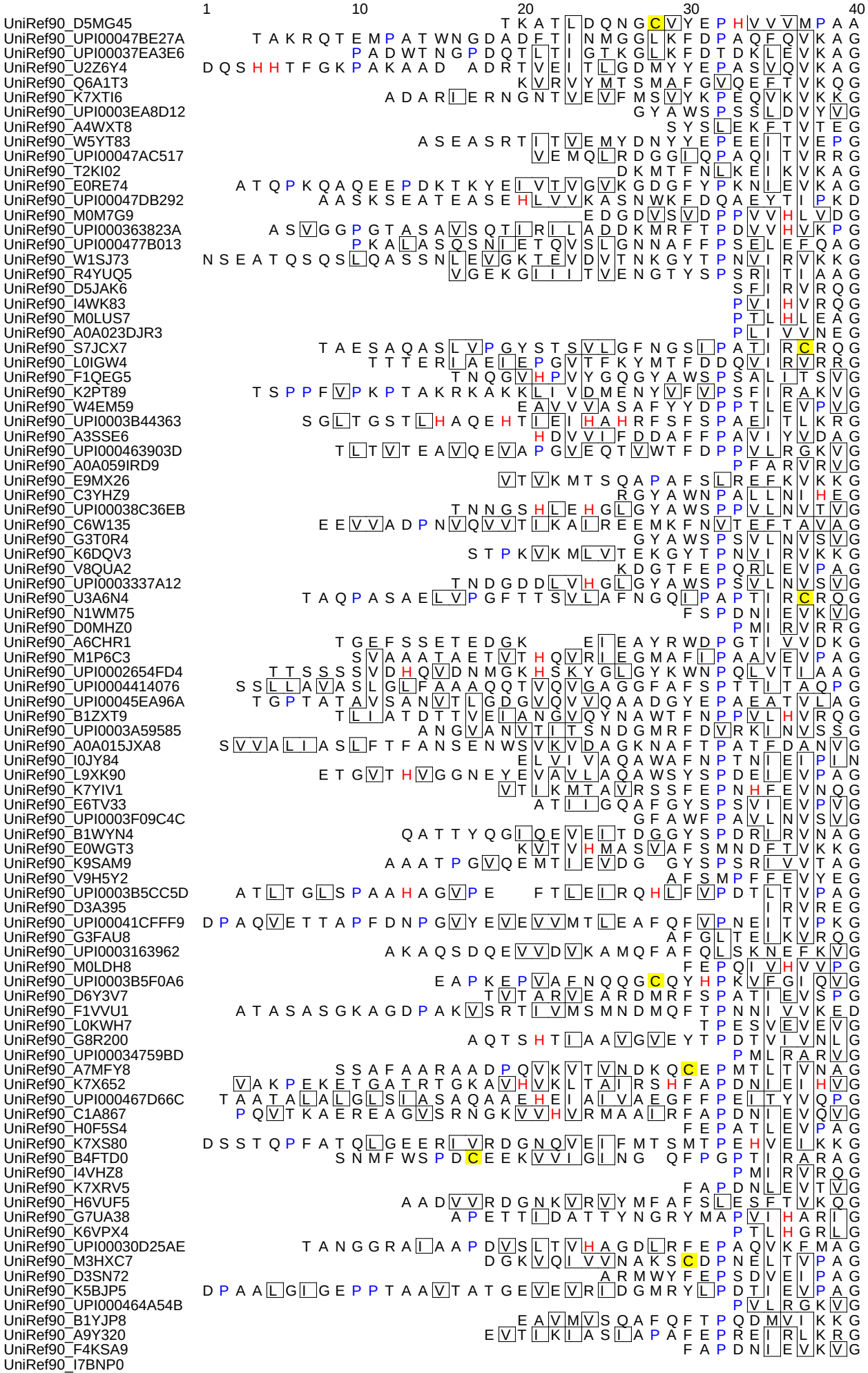

50
60
70
80
UniRef90_U2E0M3
UniRef90_L0JMX2
UniRef90_UPI00041CA4FD
UniRef90_UPI0003764B41
UniRef90_B8R093
UniRef90_B6JJY5
UniRef90_I4W6X4
UniRef90_A0A024FGW1
UniRef90_A8BFS3
UniRef90_K7XRW8
UniRef90_W4LIG2
UniRef90_K5UZU8
UniRef90_F4L633
UniRef90_A4IP44
UniRef90_J0X174
UniRef90_F4B138
UniRef90_U1V0V4
UniRef90_L8JTE8
UniRef90_L9WHW1
UniRef90_J0U9G2
UniRef90_L0DRQ5
UniRef90_E4NU60
UniRef90_A6GP86
UniRef90_W6GTJ5
UniRef90_M4ZF49
UniRef90_Q9L912
UniRef90_Q2IN61
UniRef90_UPI00046958BC
UniRef90_K7XLU7
UniRef90_UPI000468282F
UniRef90_K7XLR4
UniRef90_W7LB99
UniRef90_F8D541
UniRef90_UPI00047EDB7E
UniRef90_E8WZ59
UniRef90_H0BSG1
UniRef90_L0DUN0
UniRef90_A0A011U8B1
UniRef90_UPI00034DB18F
UniRef90_Q30R05
UniRef90_A4INI3
UniRef90_V5SCW2
UniRef90_UPI000365C8E7
UniRef90_L1PMT4
UniRef90_UPI00045E7A5A
UniRef90_S3B2R0
UniRef90_A0A021XFG2
UniRef90_G1Q2W2
UniRef90_UPI0003FDCD6D
UniRef90_T0JU37
UniRef90_UPI0003B2E26D
UniRef90_UPI00047CB067
UniRef90_D0CP66
UniRef90_W5KUJ5
UniRef90_B0UVU9
UniRef90_G7ZD37
UniRef90_UPI00037A1CFA
UniRef90_UPI0002EED6B9
UniRef90_A3QPG9
UniRef90_M1Z1G0
UniRef90_W0SHM3
UniRef90_B8GM53
UniRef90_K9A1D4
UniRef90_K9T3H2
UniRef90_C2FZB2
UniRef90_M0DW59
UniRef90_UPI0003B4CD97
UniRef90_A5W6E7
UniRef90_C4L7G9
UniRef90_Q6VV04
UniRef90_K7X755
UniRef90_S5UJ82
UniRef90_C6W4B2
UniRef90_A9ICP1
UniRef90_UPI0003640AC9
UniRef90_B3QDW5
UniRef90_A3VEH5
UniRef90_A9Y304
UniRef90_H2YG48
UniRef90_M0M5K8
UniRef90_G2MJ29
UniRef90_Q67JL3
UniRef90_D3EEQ0
UniRef90_S8A7U6
UniRef90_UPI000328D949
UniRef90_F9ZKR3
UniRef90_UPI00037676E7
UniRef90_A1VVZ5
UniRef90_UPI00047CF2B4
UniRef90_K0HPA7
UniRef90_A4BIK2
UniRef90_UPI00047CC458

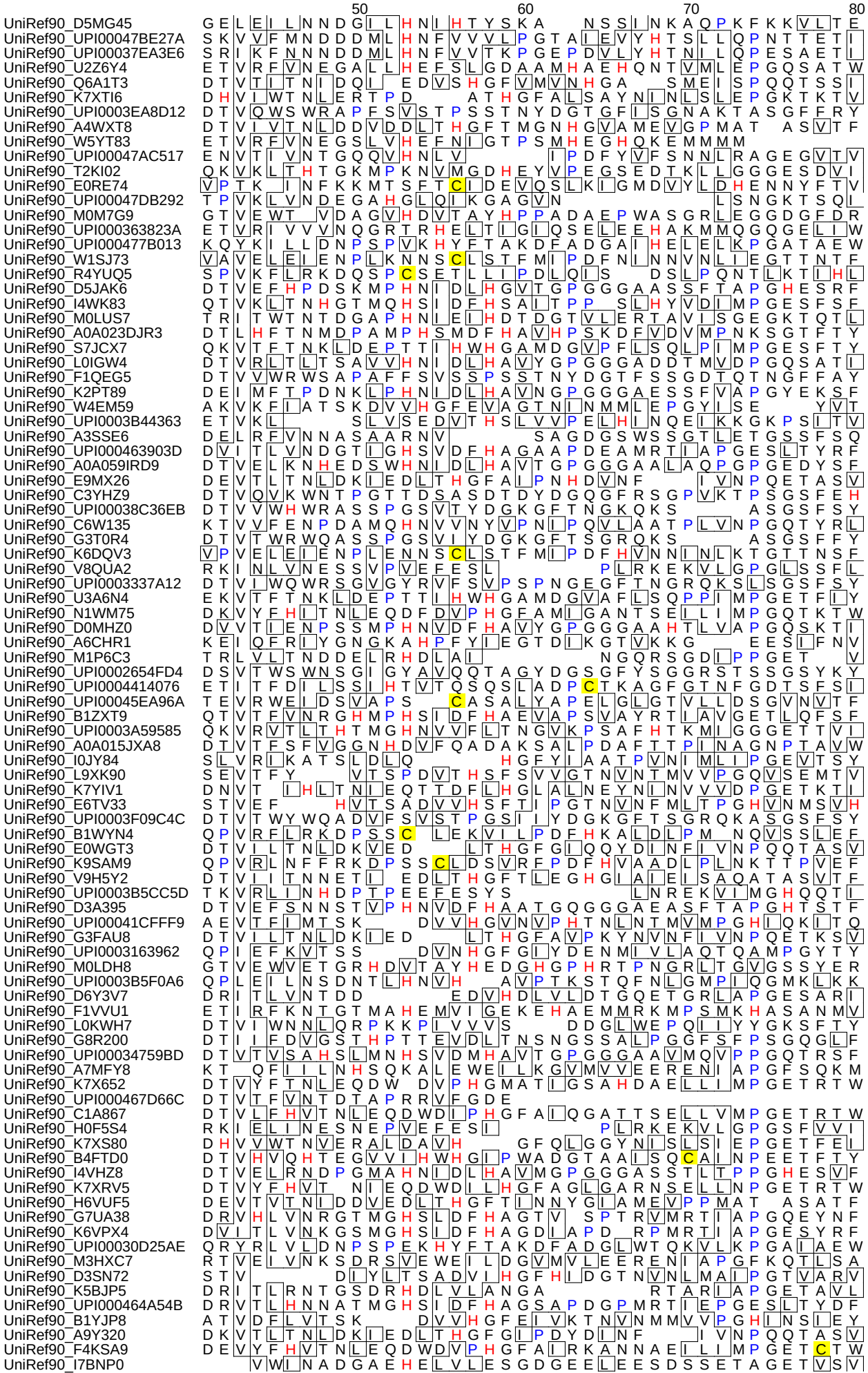

90
100
UniRef90_U2E0M3 T A H R P G V H W Y Y C A L H M E M R G R M L V E
UniRef90_L0JMX2 T F D T E G V Y D Y V C T S H A G N V G R I V V
UniRef90_UPI00041CA4FD T A T R A G I W M Y H C S T A P G M Y G A V V I E
UniRef90_UPI0003764B41 T F N K P G E Y L I L C N G H H M M M G K V I V K
UniRef90_B8R093 T F T K P G T Y P Y Y C T
UniRef90_B6JJY5 K F T K R G T F E Y S C L I H A G M I G T V V V K
UniRef90_I4W6X4 V M D K S G I A A V G C N I H D H M I T Y L F V
UniRef90_A0A024FGW1 E F D V P G E Y D F I C S F P A H M Q G K F I V E
UniRef90_A8BFS3 T F D K P G V Y W Y Y C T
UniRef90_K7XRW8 E F N K P G V F P Y Y C T
UniRef90_W4LIG2 E I T E N Q I V R C G C K I H P K M R L W I
UniRef90_K5UZU8 N V T T T D P I S F M C I V H L G M V G T I
UniRef90_F4L633 R F T K A G D Y P Y V C T F P G M N G V M K V E
UniRef90_A4IP44 T A D K P G T Y P L Y C T L H Q E M T G Y L L V K
UniRef90_J0X174 T F S R A G I W M Y H C S T A P G M Y G A V V I E
UniRef90_F4B138 T F T A P G T Y D F I C S F H S G M K G K F I V E
UniRef90_U1V0V4 T F T Q A T G L E F A C N Y Q A G M V G K L N V
UniRef90_L8JTE8 E P Q R P G I Y P F Y C T L H Q E M Q G Y I R V
UniRef90_L9WHW1 E F E A E G I W D L Y C P P H E G M G M R I V V
UniRef90_J0U9G2 K L D T A G V V L L G C H L H G S M R G H V F V
UniRef90_L0DRQ5 A F T Q P G V Y P Y V C T Y P G M Y G S L Y V
UniRef90_E4NU60 T F D D P G V Y W I Y C T Y H L E M R S R M I V E
UniRef90_A6GP86 T F N R S G E F E F A C L I H A G M R G P L R V
UniRef90_W6GTJ5 T F D K P G V F W C Y C T
UniRef90_M4ZF49 K A Q K P G R Y E F F D D F H Q G N K G T L I I E
UniRef90_Q9L912 K F D K S G T V S F A C L V H A G M V G E V V V K
UniRef90_Q2IN61 P A A A A G T V P Y Y C S T H L G
UniRef90_UPI00046958BC K F A N E G T F E F A C L I H S G M H G P I T V
UniRef90_K7XLU7 E F D A T G T F P F Y C T
UniRef90_UPI000468282F T F S K G G S L E F A C N I H A G M V G K L T V
UniRef90_K7XLR4 E F D A P G T F S Y Y C T
UniRef90_W7LB99 T F T K S G V F E F Y C S I H K G M I G T I T V N
UniRef90_F8D541 T F T E P G V Y W M Y C A F H L E M R S R L I V E
UniRef90_UPI00047EDB7E G P L D P G T Y D F F G E F H E E A K G R I I A K
UniRef90_E8WZ59 T P D K T G D Y V G H C S V H G S M T L T L H V
UniRef90_H0BSG1 Q F T R P G F A N F A C H Y E A G M R G L I K V
UniRef90_L0DUN0 T F N K P G V H W Y Y C S L H M E M S G R M L V E
UniRef90_A0A011U8B1 T F Q K P G I Y V Y H C A I T S G M Y G L I L V E
UniRef90_UPI00034DB18F V F E K Q G V Y E L Y C S I H A G M K G T I T I N
UniRef90_Q30R05 K F D I E G V F P Y Y C T L H L E M M G Y M M V K
UniRef90_A4INI3 T F E K P G T Y Q V Y C G I H H V M T A T I T V
UniRef90_V5SCW2 T A D K A G V Y W Y Y C S M H M E M Q G R M L V E
UniRef90_UPI000365C8E7 T F S K P G V Y W Y Y C S M H M E M K G R M L V E
UniRef90_L1PMT4 T F T A A G I W M Y H C S T H P G M T G A V I I
UniRef90_UPI00045E7A5A R F S K P G E F E F A C L I H A G M H G K A V V K
UniRef90_S3B2R0 T P E K A G T Y N I L C S I H S T M T A K L V V E
UniRef90_A0A021XFG2 T F D K P G V Y W Y Y C S M H M E M K G R M F V E
UniRef90_G1Q2W2 Q F T S P G I N Y Y
UniRef90_UPI0003FDCD6D T P D K A G E F E M S C S V H G S M I S K I I V E
UniRef90_T0JU37 K F T A E G V F P Y Y C T L H L E M M G Y L M V K
UniRef90_UPI0003B2E26D V F V E P G E Y E F I G E F H D T A K G K L I V E
UniRef90_UPI00047CB067 V T L A A G T Y E I I C N I H K E M V A K L V V Q
UniRef90_D0CP66 T A D R P G V H W F Y C A L H M E M R G R M L V E
UniRef90_W5KUJ5 R F T A P G V Y Y F S S G F Q R T M Q G V V N V R
UniRef90_B0UVU9 R F G S A G T Y W Y H P H P H K G L A G T L I V K
UniRef90_G7ZD37 T A D R P G V H W Y Y C A L H M E M G G R M L V E
UniRef90_UPI00037A1CFA T F K K I E D F Y I K C D V H P W M K A
UniRef90_UPI0002EED6B9 T A G K P G S Y G F L C D I H E N M S G L I E V
UniRef90_A3QPG9 T F G K P G V Y W F Y C T
UniRef90_M1Z1G0 E F E E A E I V K V E C D L H S W M Q A W I V V
UniRef90_W0SHM3 K F D K E G V Y P Y Y C T L H L E M M G Y M L V K
UniRef90_B8GM53 T F D K P G V Y W Y Y C S L H M E M A G R M M V E
UniRef90_K9A1D4 T P E K P G I Y T F H C G M N M Y G K I I V E
UniRef90_K9T3H2 T P E K P G R Y E F T C G M N M R G V V E V Q
UniRef90_C2FZB2 T F T E K G V Y S F I C S F H F G M Q G K I V A E
UniRef90_M0DW59 E F E A T A E M T Y Y C G P H S G Q R G P I S V E
UniRef90_UPI0003B4CD97 T F T E P G T Y D Y I C S F P G M K G K L I V E
UniRef90_A5W6E7 A M N H E G
UniRef90_C4L7G9 R F T S A G T Y W Y H P H P H E Y
UniRef90_Q6VV04 K A S R P G V Y W Y Y C S
UniRef90_K7X755 K F D K P G T Y S F Y C T
UniRef90_S5UJ82 T F D K P G V Y W F Y C S
UniRef90_C6W4B2 A P K Q P G T Y Q Y V C T F H Y S M Q G K L K V
UniRef90_A9ICP1 T F D R P G V Y W Y Y C A L H M E M S G Q M I V R
UniRef90_UPI0003640AC9 K F S K S G E F N F A C L I H A G M D G T V A V K
UniRef90_B3QDW5 T A D R P G V Y W Y Y C S M H M E M K G R M L V E
UniRef90_A3VEH5 T F P E E G E V G F A C N V E A G M K G T
UniRef90_A9Y304 T F D K P G V Y W Y Y C T
UniRef90_H2YG48 T F N K A G D Y F F A C S I F M R G K I V V K
UniRef90_M0M5K8 T F T T P K T G S Y V C E V H P S M R G
UniRef90_G2MJ29 T F T K P G V Y W I Y C T Y H L E M R S R M I V E
UniRef90_Q67JL3 K V T Q S G E H D I I C D V H A G M V G K L I V N
UniRef90_D3EEQ0 T P D K A G E F E V S C S I H S K M I S K L I V E
UniRef90_S8A7U6 I V T T S D P Q Y F Y C A G H L G M V G V I
UniRef90_UPI000328D949 Q F T S P G I H Y Y
UniRef90_F9ZKR3 T L T T P G L Y V F T C S I H P F M F G A V I V
UniRef90_UPI00037676E7 E F T K A A T Y P F W C T V Q A G M T G G V E V
UniRef90_A1VVZ5 A F T K A G K V D F A C H Y D A G M K G S V N V
UniRef90_UPI00047CF2B4 T P T K T G E Y T F S C G M G M K G T V I V K
UniRef90_K0HPA7 Q F T K A G E V K F A C H Y D A G M K G Q V T V
UniRef90_A4BIK2 T F D K P G V H W F Y C A L H M E M R G R M L V K
UniRef90_UPI00047CC458 T F D K P G E Y L I L C T G H E F M A I T I V V Q


1
10
20
30
40
UniRef90_F2U924
UniRef90_A7H0S2
UniRef90_UPI0003B4D8C8
UniRef90_Q5LLH7
UniRef90_G9AF91
UniRef90_Q67RG7
UniRef90_K7YIV9
UniRef90_L1M7E4
UniRef90_UPI000382C0E1
UniRef90_F8A0Z0
UniRef90_Q3ISJ6
UniRef90_D2S687
UniRef90_UPI000478B9B5
UniRef90_N4WM31
UniRef90_D4GV39
UniRef90_R0CJI7
UniRef90_A0A011ACM0
UniRef90_M5APP9
UniRef90_I4C1E2
UniRef90_F1QXX9
UniRef90_M0MZ26
UniRef90_S3X963
UniRef90_UPI00037E2628
UniRef90_J4WYH9
UniRef90_UPI00033460E2
UniRef90_F9NY04
UniRef90_UPI00046AC9E0
UniRef90_A4EUR9
UniRef90_A0A011V877
UniRef90_D3PQZ6
UniRef90_UPI000479964B
UniRef90_V4Y5E9
UniRef90_S5T5J3
UniRef90_I3D451
UniRef90_F3KLD7
UniRef90_K9GNS5
UniRef90_Q6VUV0
UniRef90_H1ZDL5
UniRef90_UPI00030A854C
UniRef90_B7AAE2
UniRef90_A7SHH7
UniRef90_A6F8B5
UniRef90_UPI000479006E
UniRef90_S9PHX8
UniRef90_UPI000288E2D9
UniRef90_D3PT01
UniRef90_UPI0002891C01
UniRef90_A4QHY7
UniRef90_A0A022L421
UniRef90_UPI00036B5A35
UniRef90_F9U858
UniRef90_UPI0002EAD764
UniRef90_A9WFS1
UniRef90_UPI0001E892D6
UniRef90_U4KBD9
UniRef90_M5A6F4
UniRef90_C7MAK2
UniRef90_UPI00036F6084
UniRef90_K7XLN5
UniRef90_Q8FLU0
UniRef90_M7X0C6
UniRef90_J8IQ85
UniRef90_M4K864
UniRef90_S7XDK7
UniRef90_A7HPY8
UniRef90_D5WT89
UniRef90_K7XSI3
UniRef90_A8U181
UniRef90_M0BCP6
UniRef90_UPI00035E52A5
UniRef90_A0A023JCH6
UniRef90_G8MEY3
UniRef90_UPI00037C2A26
UniRef90_UPI00016A53BE
UniRef90_W4B604
UniRef90_Q0CTI9
UniRef90_B6VAQ8
UniRef90_UPI0004798D88
UniRef90_UPI0004195C46
UniRef90_UPI0003804A1F
UniRef90_H6VUE8
UniRef90_R9AE96
UniRef90_L9P9Q4
UniRef90_I0WBY2
UniRef90_V6AV58
UniRef90_K7XU47
UniRef90_B8XLG0
UniRef90_V9VSS8
UniRef90_A0A015KJG0
UniRef90_E1VFI9
UniRef90_E0YM99
UniRef90_V6ATX6

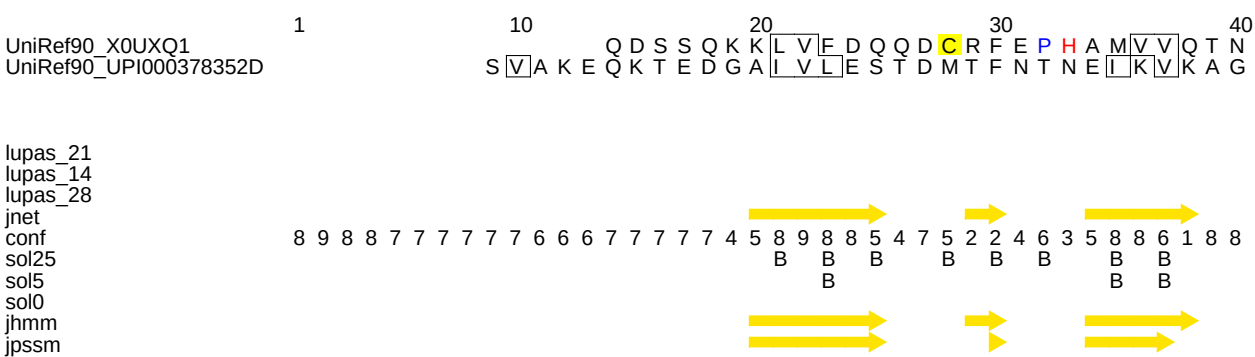

50
60
70
80
UniRef90_F2U924
UniRef90_A7H0S2
UniRef90_UPI0003B4D8C8
UniRef90_Q5LLH7
UniRef90_G9AF91
UniRef90_Q67RG7
UniRef90_K7YIV9
UniRef90_L1M7E4
UniRef90_UPI000382C0E1
UniRef90_F8A0Z0
UniRef90_Q3ISJ6
UniRef90_D2S687
UniRef90_UPI000478B9B5
UniRef90_N4WM31
UniRef90_D4GV39
UniRef90_R0CJI7
UniRef90_A0A011ACM0
UniRef90_M5APP9
UniRef90_I4C1E2
UniRef90_F1QXX9
UniRef90_M0MZ26
UniRef90_S3X963
UniRef90_UPI00037E2628
UniRef90_J4WYH9
UniRef90_UPI00033460E2
UniRef90_F9NY04
UniRef90_UPI00046AC9E0
UniRef90_A4EUR9
UniRef90_A0A011V877
UniRef90_D3PQZ6
UniRef90_UPI000479964B
UniRef90_V4Y5E9
UniRef90_S5T5J3
UniRef90_I3D451
UniRef90_F3KLD7
UniRef90_K9GNS5
UniRef90_Q6VUV0
UniRef90_H1ZDL5
UniRef90_UPI00030A854C
UniRef90_B7AAE2
UniRef90_A7SHH7
UniRef90_A6F8B5
UniRef90_UPI000479006E
UniRef90_S9PHX8
UniRef90_UPI000288E2D9
UniRef90_D3PT01
UniRef90_UPI0002891C01
UniRef90_A4QHY7
UniRef90_A0A022L421
UniRef90_UPI00036B5A35
UniRef90_F9U858
UniRef90_UPI0002EAD764
UniRef90_A9WFS1
UniRef90_UPI0001E892D6
UniRef90_U4KBD9
UniRef90_M5A6F4
UniRef90_C7MAK2
UniRef90_UPI00036F6084
UniRef90_K7XLN5
UniRef90_Q8FLU0
UniRef90_M7X0C6
UniRef90_J8IQ85
UniRef90_M4K864
UniRef90_S7XDK7
UniRef90_A7HPY8
UniRef90_D5WT89
UniRef90_K7XSI3
UniRef90_A8U181
UniRef90_M0BCP6
UniRef90_UPI00035E52A5
UniRef90_A0A023JCH6
UniRef90_G8MEY3
UniRef90_UPI00037C2A26
UniRef90_UPI00016A53BE
UniRef90_W4B604
UniRef90_Q0CTI9
UniRef90_B6VAQ8
UniRef90_UPI0004798D88
UniRef90_UPI0004195C46
UniRef90_UPI0003804A1F
UniRef90_H6VUE8
UniRef90_R9AE96
UniRef90_L9P9Q4
UniRef90_I0WBY2
UniRef90_V6AV58
UniRef90_K7XU47
UniRef90_B8XLG0
UniRef90_V9VSS8
UniRef90_A0A015KJG0
UniRef90_E1VFI9
UniRef90_E0YM99
UniRef90_V6ATX6

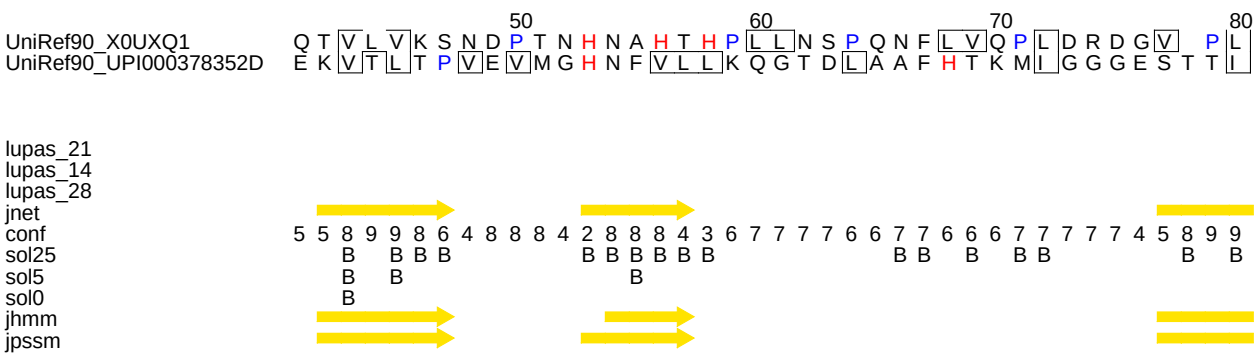

90
100
UniRef90_F2U924
UniRef90_A7H0S2
UniRef90_UPI0003B4D8C8
UniRef90_Q5LLH7
UniRef90_G9AF91
UniRef90_Q67RG7
UniRef90_K7YIV9
UniRef90_L1M7E4
UniRef90_UPI000382C0E1
UniRef90_F8A0Z0
UniRef90_Q3ISJ6
UniRef90_D2S687
UniRef90_UPI000478B9B5
UniRef90_N4WM31
UniRef90_D4GV39
UniRef90_R0CJI7
UniRef90_A0A011ACM0
UniRef90_M5APP9
UniRef90_I4C1E2
UniRef90_F1QXX9
UniRef90_M0MZ26
UniRef90_S3X963
UniRef90_UPI00037E2628
UniRef90_J4WYH9
UniRef90_UPI00033460E2
UniRef90_F9NY04
UniRef90_UPI00046AC9E0
UniRef90_A4EUR9
UniRef90_A0A011V877
UniRef90_D3PQZ6
UniRef90_UPI000479964B
UniRef90_V4Y5E9
UniRef90_S5T5J3
UniRef90_I3D451
UniRef90_F3KLD7
UniRef90_K9GNS5
UniRef90_Q6VUV0
UniRef90_H1ZDL5
UniRef90_UPI00030A854C
UniRef90_B7AAE2
UniRef90_A7SHH7
UniRef90_A6F8B5
UniRef90_UPI000479006E
UniRef90_S9PHX8
UniRef90_UPI000288E2D9
UniRef90_D3PT01
UniRef90_UPI0002891C01
UniRef90_A4QHY7
UniRef90_A0A022L421
UniRef90_UPI00036B5A35
UniRef90_F9U858
UniRef90_UPI0002EAD764
UniRef90_A9WFS1
UniRef90_UPI0001E892D6
UniRef90_U4KBD9
UniRef90_M5A6F4
UniRef90_C7MAK2
UniRef90_UPI00036F6084
UniRef90_K7XLN5
UniRef90_Q8FLU0
UniRef90_M7X0C6
UniRef90_J8IQ85
UniRef90_M4K864
UniRef90_S7XDK7
UniRef90_A7HPY8
UniRef90_D5WT89
UniRef90_K7XSI3
UniRef90_A8U181
UniRef90_M0BCP6
UniRef90_UPI00035E52A5
UniRef90_A0A023JCH6
UniRef90_G8MEY3
UniRef90_UPI00037C2A26
UniRef90_UPI00016A53BE
UniRef90_W4B604
UniRef90_Q0CTI9
UniRef90_B6VAQ8
UniRef90_UPI0004798D88
UniRef90_UPI0004195C46
UniRef90_UPI0003804A1F
UniRef90_H6VUE8
UniRef90_R9AE96
UniRef90_L9P9Q4
UniRef90_I0WBY2
UniRef90_V6AV58
UniRef90_K7XU47
UniRef90_B8XLG0
UniRef90_V9VSS8
UniRef90_A0A015KJG0
UniRef90_E1VFI9
UniRef90_E0YM99
UniRef90_V6ATX6


1
10
20
30
40
UniRef90_D5MG45
UniRef90_UPI00047BE27A
UniRef90_UPI00037EA3E6
UniRef90_U2Z6Y4
UniRef90_Q6A1T3
UniRef90_K7XTI6
UniRef90_UPI0003EA8D12
UniRef90_A4WXT8
UniRef90_W5YT83
UniRef90_UPI00047AC517
UniRef90_T2KI02
UniRef90_E0RE74
UniRef90_UPI00047DB292
UniRef90_M0M7G9
UniRef90_UPI000363823A
UniRef90_UPI000477B013
UniRef90_W1SJ73
UniRef90_R4YUQ5
UniRef90_D5JAK6
UniRef90_I4WK83
UniRef90_M0LUS7
UniRef90_A0A023DJR3
UniRef90_S7JCX7
UniRef90_L0IGW4
UniRef90_F1QEG5
UniRef90_K2PT89
UniRef90_W4EM59
UniRef90_UPI0003B44363
UniRef90_A3SSE6
UniRef90_UPI000463903D
UniRef90_A0A059IRD9
UniRef90_E9MX26
UniRef90_C3YHZ9
UniRef90_UPI00038C36EB
UniRef90_C6W135
UniRef90_G3T0R4
UniRef90_K6DQV3
UniRef90_V8QUA2
UniRef90_UPI0003337A12
UniRef90_U3A6N4
UniRef90_N1WM75
UniRef90_D0MHZ0
UniRef90_A6CHR1
UniRef90_M1P6C3
UniRef90_UPI0002654FD4
UniRef90_UPI0004414076
UniRef90_UPI00045EA96A
UniRef90_B1ZXT9
UniRef90_UPI0003A59585
UniRef90_A0A015JXA8
UniRef90_I0JY84
UniRef90_L9XK90
UniRef90_K7YIV1
UniRef90_E6TV33
UniRef90_UPI0003F09C4C
UniRef90_B1WYN4
UniRef90_E0WGT3
UniRef90_K9SAM9
UniRef90_V9H5Y2
UniRef90_UPI0003B5CC5D
UniRef90_D3A395
UniRef90_UPI00041CFFF9
UniRef90_G3FAU8
UniRef90_UPI0003163962
UniRef90_M0LDH8
UniRef90_UPI0003B5F0A6
UniRef90_D6Y3V7
UniRef90_F1VVU1
UniRef90_L0KWH7
UniRef90_G8R200
UniRef90_UPI00034759BD
UniRef90_A7MFY8
UniRef90_K7X652
UniRef90_UPI000467D66C
UniRef90_C1A867
UniRef90_H0F5S4
UniRef90_K7XS80
UniRef90_B4FTD0
UniRef90_I4VHZ8
UniRef90_K7XRV5
UniRef90_H6VUF5
UniRef90_G7UA38
UniRef90_K6VPX4
UniRef90_UPI00030D25AE
UniRef90_M3HXC7
UniRef90_D3SN72
UniRef90_K5BJP5
UniRef90_UPI000464A54B
UniRef90_B1YJP8
UniRef90_A9Y320
UniRef90_F4KSA9
UniRef90_I7BNP0


50
60
70
80
UniRef90_D5MG45
UniRef90_UPI00047BE27A
UniRef90_UPI00037EA3E6
UniRef90_U2Z6Y4
UniRef90_Q6A1T3
UniRef90_K7XTI6
UniRef90_UPI0003EA8D12
UniRef90_A4WXT8
UniRef90_W5YT83
UniRef90_UPI00047AC517
UniRef90_T2KI02
UniRef90_E0RE74
UniRef90_UPI00047DB292
UniRef90_M0M7G9
UniRef90_UPI000363823A
UniRef90_UPI000477B013
UniRef90_W1SJ73
UniRef90_R4YUQ5
UniRef90_D5JAK6
UniRef90_I4WK83
UniRef90_M0LUS7
UniRef90_A0A023DJR3
UniRef90_S7JCX7
UniRef90_L0IGW4
UniRef90_F1QEG5
UniRef90_K2PT89
UniRef90_W4EM59
UniRef90_UPI0003B44363
UniRef90_A3SSE6
UniRef90_UPI000463903D
UniRef90_A0A059IRD9
UniRef90_E9MX26
UniRef90_C3YHZ9
UniRef90_UPI00038C36EB
UniRef90_C6W135
UniRef90_G3T0R4
UniRef90_K6DQV3
UniRef90_V8QUA2
UniRef90_UPI0003337A12
UniRef90_U3A6N4
UniRef90_N1WM75
UniRef90_D0MHZ0
UniRef90_A6CHR1
UniRef90_M1P6C3
UniRef90_UPI0002654FD4
UniRef90_UPI0004414076
UniRef90_UPI00045EA96A
UniRef90_B1ZXT9
UniRef90_UPI0003A59585
UniRef90_A0A015JXA8
UniRef90_I0JY84
UniRef90_L9XK90
UniRef90_K7YIV1
UniRef90_E6TV33
UniRef90_UPI0003F09C4C
UniRef90_B1WYN4
UniRef90_E0WGT3
UniRef90_K9SAM9
UniRef90_V9H5Y2
UniRef90_UPI0003B5CC5D
UniRef90_D3A395
UniRef90_UPI00041CFFF9
UniRef90_G3FAU8
UniRef90_UPI0003163962
UniRef90_M0LDH8
UniRef90_UPI0003B5F0A6
UniRef90_D6Y3V7
UniRef90_F1VVU1
UniRef90_L0KWH7
UniRef90_G8R200
UniRef90_UPI00034759BD
UniRef90_A7MFY8
UniRef90_K7X652
UniRef90_UPI000467D66C
UniRef90_C1A867
UniRef90_H0F5S4
UniRef90_K7XS80
UniRef90_B4FTD0
UniRef90_I4VHZ8
UniRef90_K7XRV5
UniRef90_H6VUF5
UniRef90_G7UA38
UniRef90_K6VPX4
UniRef90_UPI00030D25AE
UniRef90_M3HXC7
UniRef90_D3SN72
UniRef90_K5BJP5
UniRef90_UPI000464A54B
UniRef90_B1YJP8
UniRef90_A9Y320
UniRef90_F4KSA9
UniRef90_I7BNP0

90
100
UniRef90_D5MG45
UniRef90_UPI00047BE27A
UniRef90_UPI00037EA3E6
UniRef90_U2Z6Y4
UniRef90_Q6A1T3
UniRef90_K7XTI6
UniRef90_UPI0003EA8D12
UniRef90_A4WXT8
UniRef90_W5YT83
UniRef90_UPI00047AC517
UniRef90_T2KI02
UniRef90_E0RE74
UniRef90_UPI00047DB292
UniRef90_M0M7G9
UniRef90_UPI000363823A
UniRef90_UPI000477B013
UniRef90_W1SJ73
UniRef90_R4YUQ5
UniRef90_D5JAK6
UniRef90_I4WK83
UniRef90_M0LUS7
UniRef90_A0A023DJR3
UniRef90_S7JCX7
UniRef90_L0IGW4
UniRef90_F1QEG5
UniRef90_K2PT89
UniRef90_W4EM59
UniRef90_UPI0003B44363
UniRef90_A3SSE6
UniRef90_UPI000463903D
UniRef90_A0A059IRD9
UniRef90_E9MX26
UniRef90_C3YHZ9
UniRef90_UPI00038C36EB
UniRef90_C6W135
UniRef90_G3T0R4
UniRef90_K6DQV3
UniRef90_V8QUA2
UniRef90_UPI0003337A12
UniRef90_U3A6N4
UniRef90_N1WM75
UniRef90_D0MHZ0
UniRef90_A6CHR1
UniRef90_M1P6C3
UniRef90_UPI0002654FD4
UniRef90_UPI0004414076
UniRef90_UPI00045EA96A
UniRef90_B1ZXT9
UniRef90_UPI0003A59585
UniRef90_A0A015JXA8
UniRef90_I0JY84
UniRef90_L9XK90
UniRef90_K7YIV1
UniRef90_E6TV33
UniRef90_UPI0003F09C4C
UniRef90_B1WYN4
UniRef90_E0WGT3
UniRef90_K9SAM9
UniRef90_V9H5Y2
UniRef90_UPI0003B5CC5D
UniRef90_D3A395
UniRef90_UPI00041CFFF9
UniRef90_G3FAU8
UniRef90_UPI0003163962
UniRef90_M0LDH8
UniRef90_UPI0003B5F0A6
UniRef90_D6Y3V7
UniRef90_F1VVU1
UniRef90_L0KWH7
UniRef90_G8R200
UniRef90_UPI00034759BD
UniRef90_A7MFY8
UniRef90_K7X652
UniRef90_UPI000467D66C
UniRef90_C1A867
UniRef90_H0F5S4
UniRef90_K7XS80
UniRef90_B4FTD0
UniRef90_I4VHZ8
UniRef90_K7XRV5
UniRef90_H6VUF5
UniRef90_G7UA38
UniRef90_K6VPX4
UniRef90_UPI00030D25AE
UniRef90_M3HXC7
UniRef90_D3SN72
UniRef90_K5BJP5
UniRef90_UPI000464A54B
UniRef90_B1YJP8
UniRef90_A9Y320
UniRef90_F4KSA9
UniRef90_I7BNP0


1 10 20 30 40
UniRef90_X0UXQ1 Q D S S Q K K L V F D Q Q D C R F E P H A M V V Q T N
UniRef90_UPI000378352D S V A K E Q K T E D G A I V L E S T D M T F N T N E I K V K A G
lupas_21
lupas_14
lupas_28
jnet
conf 8 9 8 8 7 7 7 7 7 7 6 6 6 7 7 7 7 7 4 5 8 9 8 8 5 4 7 5 2 2 4 6 3 5 8 8 6 1 8 8
sol25 B B B B B B B
sol5 B B B
sol0
jhmm
jpssm


50
60
70
80
UniRef90_X0UXQ1 Q T V L V K S N D P T N H N A H T H P L L N S P Q N F L V Q P L D R D G V P L
UniRef90_UPI000378352D E K V T L T P V E V M G H N F V L L K Q G T D L A A F H T K M I G G G E S T T I
lupas_21
lupas_14
lupas_28
jnet
conf 5 5 8 9 9 8 6 4 8 8 8 4 2 8 8 8 4 3 6 7 7 7 7 6 6 7 7 6 6 6 7 7 7 7 7 4 5 8 9 9
sol25 B B B B B B B B B B B B B B B B B
sol5 B B B
sol0 B
jhmm
jpssm

90
100
UniRef90_X0UXQ1 T F P E P T P V K V N C D I H P W M T A
UniRef90_UPI000378352D T F D A P G T Y D F M C S F Y A I M K G K F I V E
lupas_21
lupas_14
lupas_28
jnet
conf 8 5 5 8 7 0 7 8 9 9 8 6 1 3 7 8 8 4 6 8 9 9 8 3 3
sol25 B B B B B B B B B B B B B
sol5 B B B B B B B
sol0 B B
jhmm
jpssm