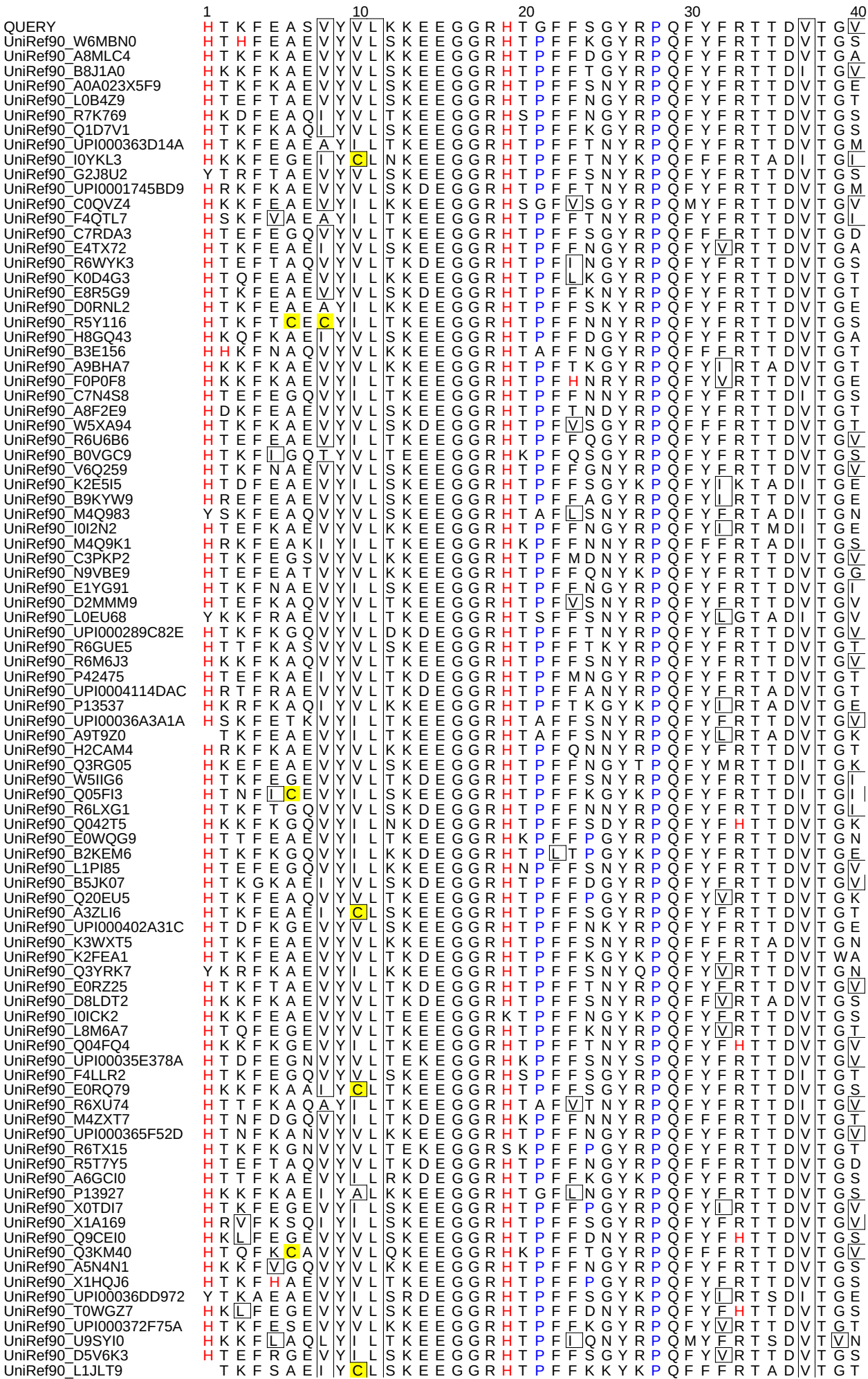
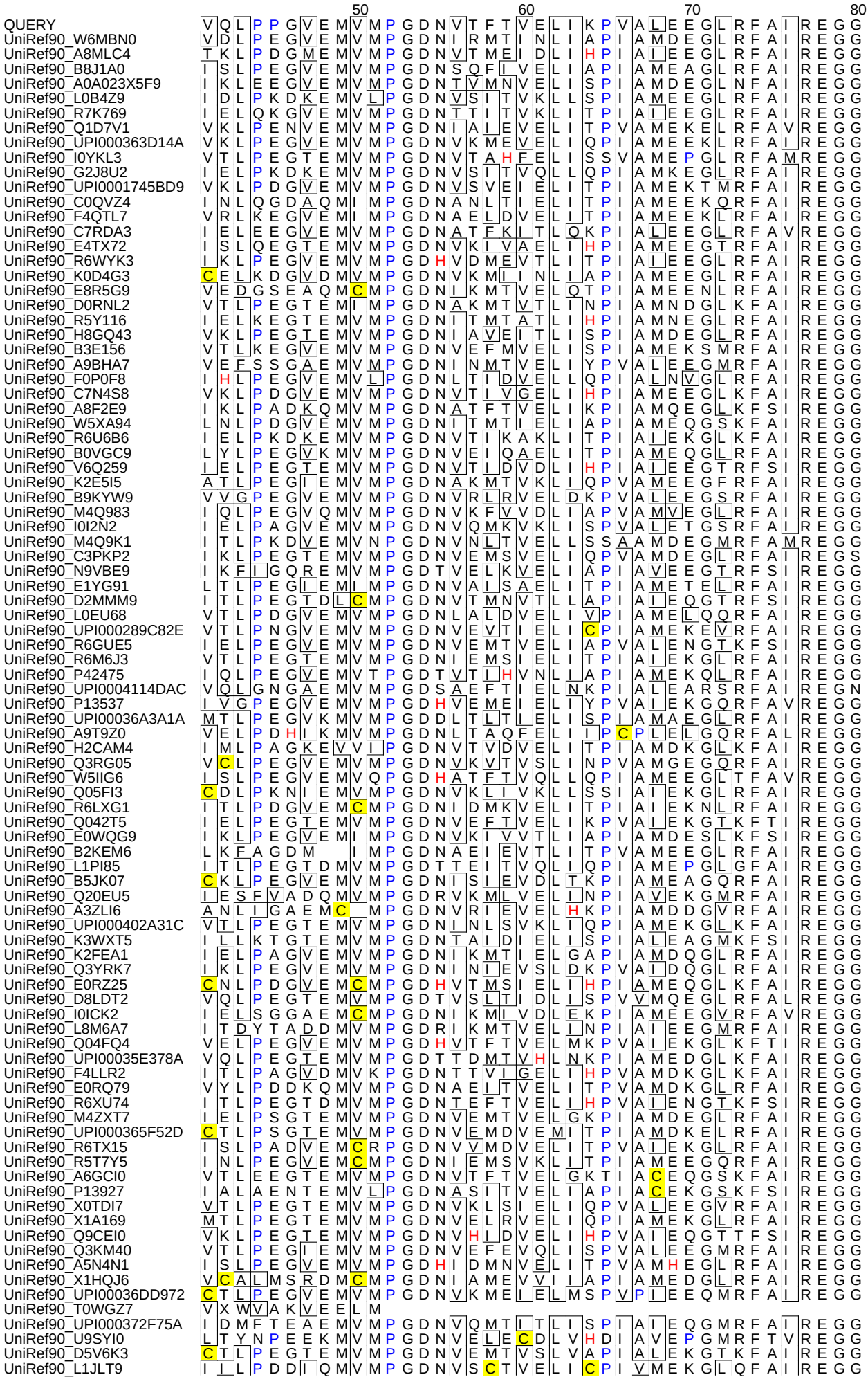
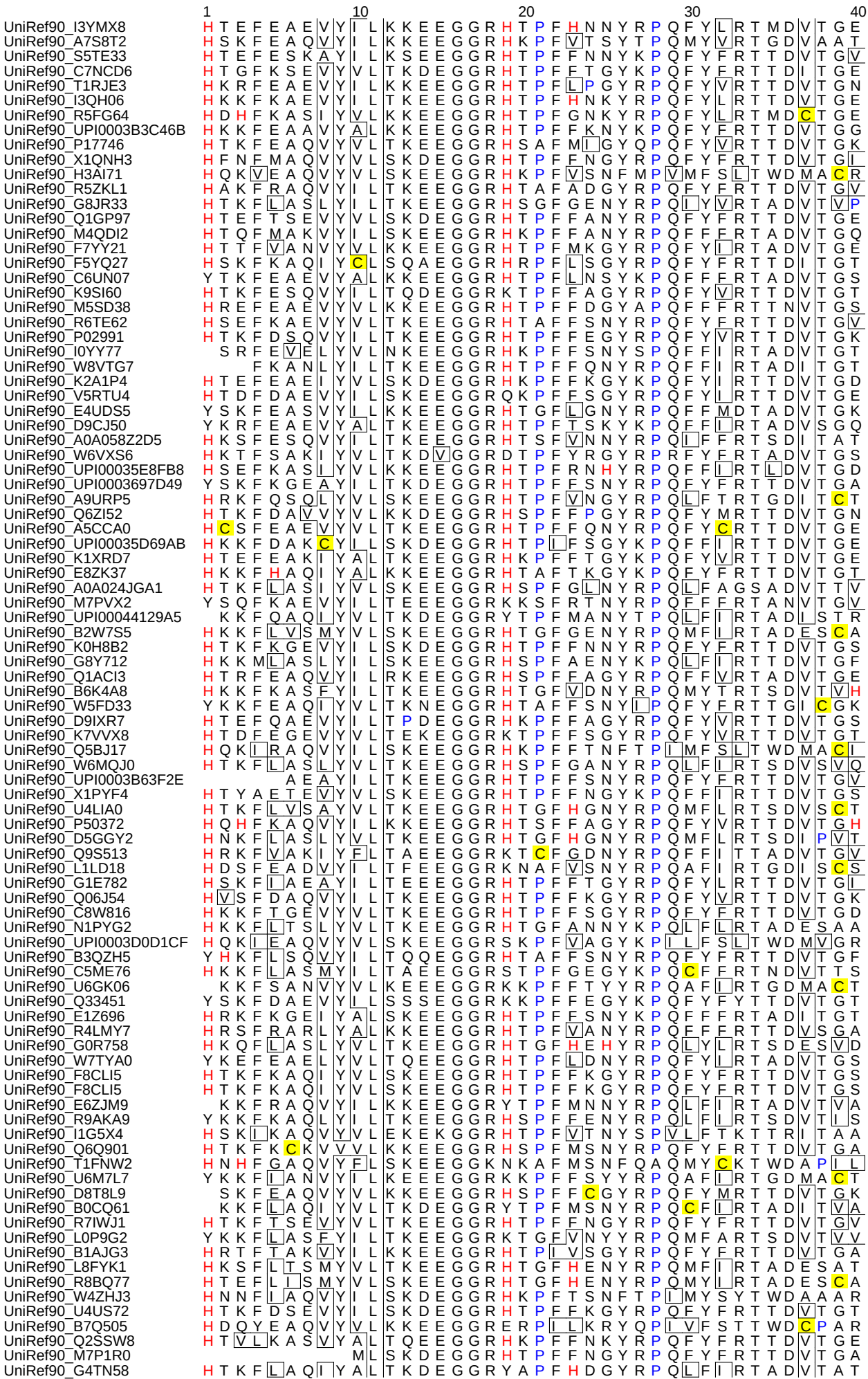
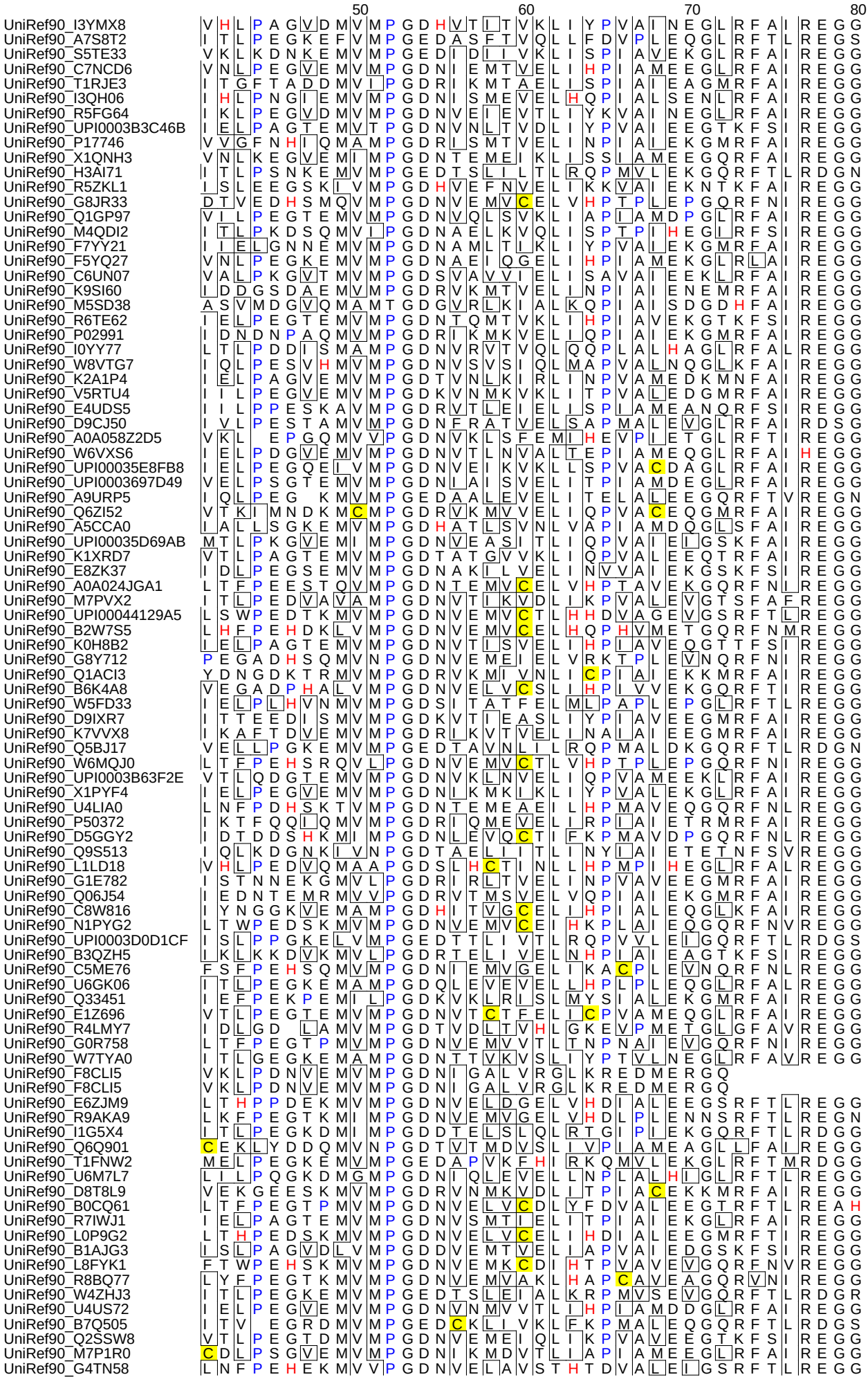
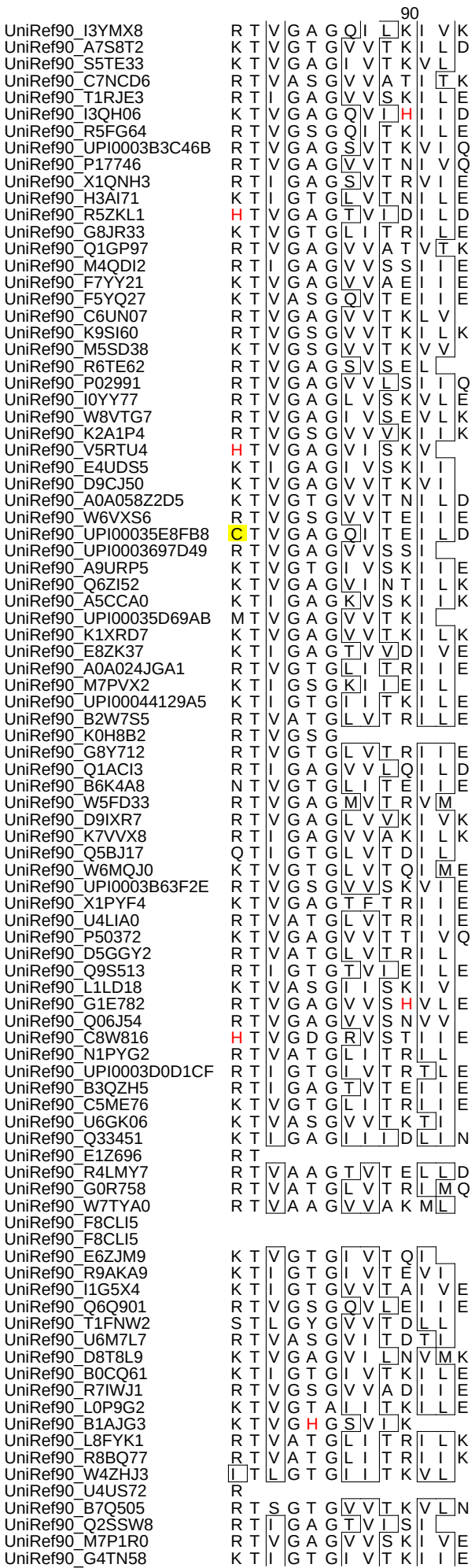

1 10 20 30 40
QUERY H T K F E A S V Y V L K K E E G G R H T G F F S G Y R P Q F Y F R T T D V T G V
UniRef90_W6MBN0 H T H F E A E V Y V L S K E E G G R H T P F F K G Y R P Q F Y F R T T D V T G S
UniRef90_A8MLC4 H T K F K A E V Y V L K K E E G G R H T P F F D G Y R P Q F Y F R T T D V T G A
UniRef90_B8J1A0 H K K F K A E V Y V L S K E E G G R H T P F F T G Y R P Q F Y F R T T D I T G V
UniRef90_A0A023X5F9 H T K F K A E V Y V L S K E E G G R H T P F F S N Y R P Q F Y F R T T D V T G E
UniRef90_L0B4Z9 H T E F T A E V Y V L S K E E G G R H T P F F N G Y R P Q F Y F R T T D V T G T
UniRef90_R7K769 H K D F E A Q I Y V L T K E E G G R H S P F F N G Y R P Q F Y F R T T D V T G S
UniRef90_Q1D7V1 H T K F K A Q I Y V L S K E E G G R H T P F F K G Y R P Q F Y F R T T D V T G S
UniRef90_UPI000363D14A H T K F E A E A Y I L T K E E G G R H T P F F T N Y R P Q F Y F R T T D V T G M
UniRef90_I0YKL3 H K K F E G E I Y C L N K E E G G R H T P F F T N Y K P Q F F F R T A D I T G I
UniRef90_G2J8U2 Y T R F T A E V Y V L S K E E G G R H T P F F S N Y R P Q F Y F R T T D V T G S
UniRef90_UPI0001745BD9 H R K F K A E V Y V L S K D E G G R H T P F F T N Y R P Q F Y F R T T D V T G M
UniRef90_C0QVZ4 H K K F E A E V Y I L K K E E G G R H S G F V S G Y R P Q M Y F R T T D V T G V
UniRef90_F4QTL7 H S K F V A E A Y I L T K E E G G R H T P F F T N Y R P Q F Y F R T T D V T G I
UniRef90_C7RDA3 H T E F E G Q V Y V L T K E E G G R H T P F F S G Y R P Q F F F R T T D V T G D
UniRef90_E4TX72 H T K F E A E I Y V L S K E E G G R H T P F F N G Y R P Q F Y V R T T D V T G A
UniRef90_R6WYK3 H T E F T A Q V Y V L T K D E G G R H T P F I N G Y R P Q F Y F R T T D V T G S
UniRef90_K0D4G3 H T Q F E A E V Y I L K K E E G G R H T P F L K G Y R P Q F Y F R T T D V T G T
UniRef90_E8R5G9 H T K F E A E V Y V L S K D E G G R H T P F F K N Y R P Q F Y F R T T D V T G T
UniRef90_D0RNL2 H T K F E A E A Y I L K K E E G G R H T P F F S K Y R P Q F Y F R T T D V T G E
UniRef90_R5Y116 H T K F T C E C Y I L T K E E G G R H T P F F N N Y R P Q F Y F R T T D V T G S
UniRef90_H8GQ43 H K Q F K A E I Y V L S K E E G G R H T P F F D G Y R P Q F Y F R T T D V T G A
UniRef90_B3E156 H H K F N A Q V Y V L K K E E G G R H T A F F N G Y R P Q F F F R T T D V T G T
UniRef90_A9BHA7 H K K F K A E V Y V L K K E E G G R H T P F T K G Y R P Q F Y I R T A D V T G T
UniRef90_F0P0F8 H K K F K A E V Y I L T K E E G G R H T P F H N R Y R P Q F Y V R T T D V T G E
UniRef90_C7N4S8 H T E F E G Q V Y I L T K E E G G R H T P F F N N Y R P Q F Y F R T T D I T G S
UniRef90_A8F2E9 H D K F E A E V Y V L S K E E G G R H T P F T N D Y R P Q F Y F R T T D V T G T
UniRef90_W5XA94 H T K F K A E V Y V L S K D E G G R H T P F V S G Y R P Q F F F R T T D V T G T
UniRef90_R6U6B6 H T E F E A E V Y I L T K E E G G R H T P F F Q G Y R P Q F Y F R T T D V T G V
UniRef90_B0VGC9 H T K F I G Q T Y V L T E E E G G R H K P F Q S G Y R P Q F Y F R T T D V T G S
UniRef90_V6Q259 H T K F N A E V Y V L S K E E G G R H T P F F G N Y R P Q F Y F R T T D V T G V
UniRef90_K2E5I5 H T D F E A E V Y I L S K E E G G R H T P F F S G Y K P Q F Y I K T A D I T G E
UniRef90_B9KYW9 H R E F E A E V Y V L S K E E G G R H T P F F A G Y R P Q F Y I R T T D V T G E
UniRef90_M4Q983 Y S K F E A Q V Y V L S K E E G G R H T A F L S N Y R P Q F Y F R T A D I T G N
UniRef90_I0I2N2 H T E F K A E V Y V L K K E E G G R H T P F F N G Y R P Q F Y I R T M D I T G E
UniRef90_M4Q9K1 H R K F E A K I Y I L T K E E G G R H K P F F N N Y R P Q F F F R T A D I T G S
UniRef90_C3PKP2 H T K F E G S V Y V L K K E E G G R H T P F M D N Y R P Q F Y F R T T D V T G V
UniRef90_N9VBE9 H T E F E A T V Y V L K K E E G G R H T P F F Q N Y K P Q F Y F R T T D V T G G
UniRef90_E1YG91 H T K F N A E V Y I L S K E E G G R H T P F F N G Y R P Q F Y F R T T D V T G I
UniRef90_D2MMM9 H T E F K A Q V Y V L T K E E G G R H T P F V S N Y R P Q F Y F R T T D V T G V
UniRef90_L0EU68 Y K K F R A E V Y I L T K E E G G R H T S F F S N Y R P Q F Y L G T A D I T G V
UniRef90_UPI000289C82E H T K F K G Q V Y V L D K D E G G R H T P F F T N Y R P Q F Y F R T T D V T G V
UniRef90_R6GUE5 H T T F K A S V Y V L S K E E G G R H T P F F T K Y R P Q F Y F R T T D V T G T
UniRef90_R6M6J3 H K K F K A Q V Y V L T K E E G G R H T P F F S N Y R P Q F Y F R T T D V T G V
UniRef90_P42475 H T E F K A E I Y V L T K D E G G R H T P F M N G Y R P Q F Y F R T T D V T G T
UniRef90_UPI0004114DAC H R T F R A E V Y V L T K D E G G R H T P F F A N Y R P Q F Y F R T A D V T G T
UniRef90_P13537 H K R F K A Q I Y V L K K E E G G R H T P F T K G Y K P Q F Y I R T A D V T G E
UniRef90_UPI00036A3A1A H S K F E T K V Y I L T K E E G G R H T A F F S N Y R P Q F Y F R T T D V T G V
UniRef90_A9T9Z0 T K F E A E V Y I L T K E E G G R H T A F F S N Y R P Q F Y L R T A D V T G K
UniRef90_H2CAM4 H R K F K A E V Y V L K K E E G G R H T P F Q N N Y R P Q F Y F R T T D V T G T
UniRef90_Q3RG05 H K E F E A E V Y V L S K E E G G R H T P F F N G Y T P Q F Y M R T T D I T G K
UniRef90_W5IIG6 H T K F E G E V Y V L T K D E G G R H T P F F S N Y R P Q F Y F R T T D V T G I
UniRef90_Q05FI3 H T N F I C E V Y I L S K E E G G R H T P F F K G Y K P Q F Y F R T T D I T G I
UniRef90_R6LXG1 H T K F T G Q V Y V L S K D E G G R H T P F F N N Y R P Q F Y F R T T D V T G I
UniRef90_Q042T5 H K K F K G Q V Y I L N K D E G G R H T P F F S D Y R P Q F Y F H T T D V T G K
UniRef90_E0WQG9 H T T F E A E V Y I L T K E E G G R H K P F F P G Y R P Q F Y F R T T D V T G K
UniRef90_B2KEM6 H T K F K G Q V Y I L K K D E G G R H T P L T P G Y K P Q F Y F R T T D V T G E
UniRef90_L1PI85 H T E F E G Q V Y I L K K E E G G R H N P F F S N Y R P Q F Y F R T T D V T G V
UniRef90_B5JK07 H T K G K A E I Y V L S K D E G G R H T P F F D G Y R P Q F Y F R T T D V T G V
UniRef90_Q20EU5 H T K F E A Q V Y V L T K E E G G R H T P F F P G Y R P Q F Y V R T T D V T G K
UniRef90_A3ZLI6 H T K F E A E I Y C L S K E E G G R H T P F F S G Y R P Q F Y F R T T D V T G T
UniRef90_UPI000402A31C H T D F K G E V Y V L S K E E G G R H T P F F N K Y R P Q F Y F R T T D V T G E
UniRef90_K3WXT5 H T K F E A E V Y V L K K E E G G R H T P F F S N Y R P Q F F F R T A D V T G N
UniRef90_K2FEA1 H T K F E A E V Y V L T K D E G G R H T P F F K G Y K P Q F Y F R T T D V T W A
UniRef90_Q3YRK7 Y K R F K A E V Y I L K K E E G G R H T P F F S N Y Q P Q F Y V R T T D V T G N
UniRef90_E0RZ25 H T K F T A E V Y V L T K D E G G R H T P F F T N Y R P Q F Y F R T T D V T G V
UniRef90_D8LDT2 H K K F K A E V Y V L T K D E G G R H T P F F S N Y R P Q F F V R T A D V T G S
UniRef90_I0ICK2 H K K F E A E V Y V L T E E E G G R K T P F F N G Y K P Q F Y F R T T D V T G S
UniRef90_L8M6A7 H T Q F E G E V Y V L T K E E G G R H T P F F K N Y R P Q F Y V R T T D V T G T
UniRef90_Q04FQ4 H K K F K G E V Y I L T K E E G G R H T P F F T N Y R P Q F Y F H T T D V T G V
UniRef90_UPI00035E378A H T D F E G N V Y V L T E K E G G R H K P F F S N Y S P Q F Y F R T T D V T G V
UniRef90_F4LLR2 H T K F E G Q V Y V L S K E E G G R H S P F F S G Y R P Q F Y F R T T D I T G T
UniRef90_E0RQ79 H K K F K A A I Y C L T K E E G G R H T P F F S G Y R P Q F Y F R T T D V T G S
UniRef90_R6XU74 H T T F K A Q A Y I L T K E E G G R H T A F V T N Y R P Q F Y F R T T D I T G V
UniRef90_M4ZXT7 H T N F D G Q V Y I L T K D E G G R H K P F F N N Y R P Q F F F R T T D V T G T
UniRef90_UPI000365F52D H T N F K A N V Y V L K K E E G G R H T P F F N G Y R P Q F Y F R T T D V T G V
UniRef90_R6TX15 H T K F K G N V Y V L T E K E G G R S K P F F P G Y R P Q F Y F R T T D V T G T
UniRef90_R5T7Y5 H T E F T A Q V Y V L T K D E G G R H T P F F N G Y R P Q F F F R T T D V T G D
UniRef90_A6GCI0 H T T F K A E V Y I L R K D E G G R H T P F F K G Y K P Q F Y F R T T D V T G S
UniRef90_P13927 H K K F K A E I Y A L K K E E G G R H T G F L N G Y R P Q F Y F R T T D V T G S
UniRef90_X0TDI7 H T K F E G E V Y I L S K E E G G R H T P F F P G Y R P Q F Y I R T T D V T G V
UniRef90_X1A169 H R V F K S Q I Y I L S K E E G G R H T P F F S G Y R P Q F Y F R T T D V T G V
UniRef90_Q9CEI0 H K L F E G E V Y V L S K E E G G R H T P F F D N Y R P Q F Y F H T T D V T G S
UniRef90_Q3KM40 H T Q F K C A V Y V L Q K E E G G R H K P F F T G Y R P Q F F F R T T D V T G V
UniRef90_A5N4N1 H K K F V G Q V Y V L K K E E G G R H T P F F N G Y R P Q F Y F R T T D V T G S
UniRef90_X1HQJ6 H T K F H A E V Y V L T K E E G G R H T P F F P G Y R P Q F Y F R T T D V T G S
UniRef90_UPI00036DD972 Y T K A E A E V Y I L S R D E G G R H T P F F S G Y K P Q F Y I R T S D I T G E
UniRef90_T0WGZ7 H K L F E G E V Y V L S K E E G G R H T P F F D N Y R P Q F Y F H T T D V T G S
UniRef90_UPI000372F75A H T K F E S E V Y V L K K E E G G R H T P F F K G Y R P Q F Y V R T T D V T G T
UniRef90_U9SYI0 H K K F L A Q L Y I L T K E E G G R H T P F I Q N Y R P Q M Y F R T S D V T V N
UniRef90_D5V6K3 H T E F R G E V Y I L S K E E G G R H T P F F S G Y R P Q F Y V R T T D V T G S
UniRef90_L1JLT9 T K F S A E I Y C L S K E E G G R H T P F F K K Y K P Q F F F R T A D V T G T

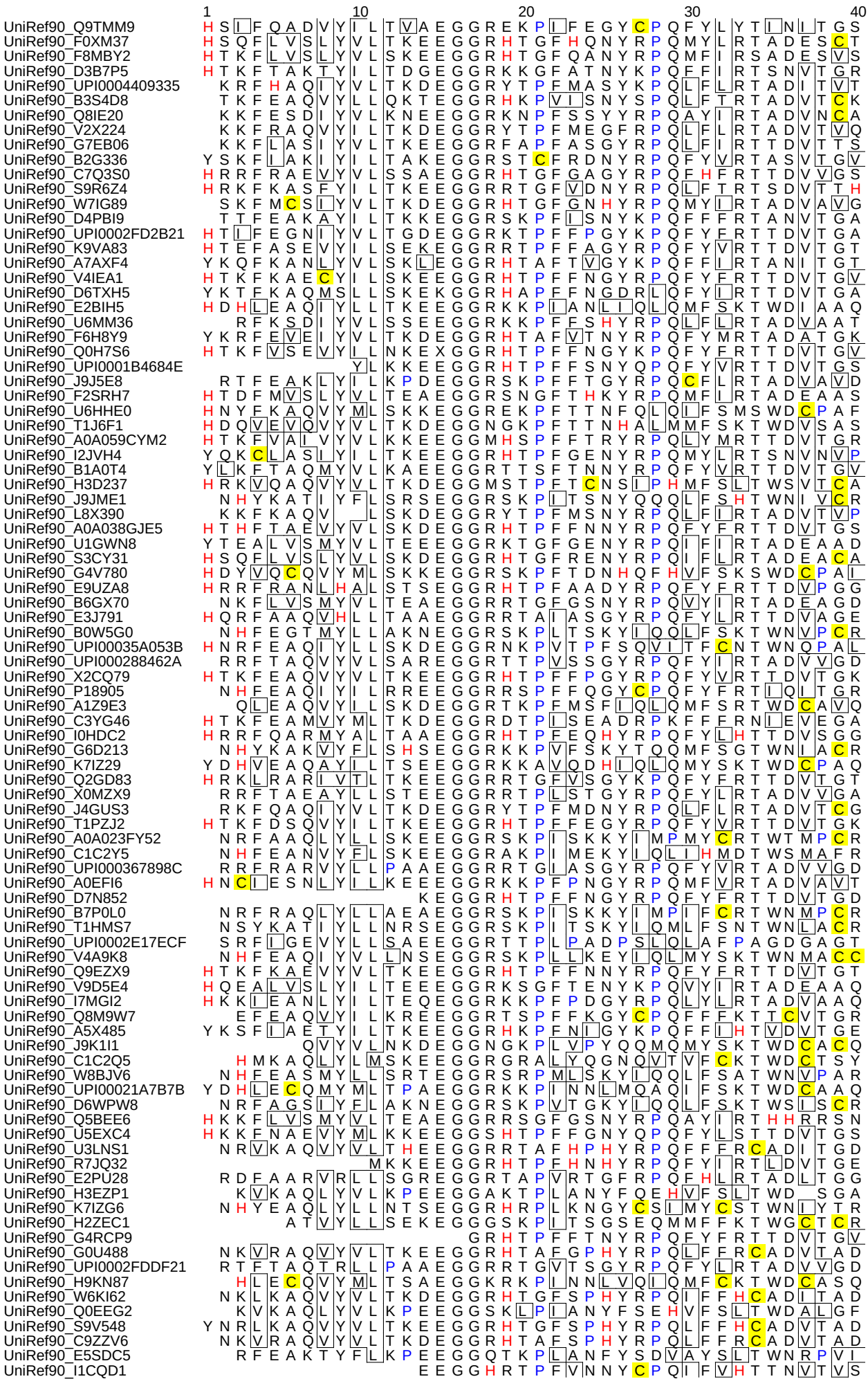

50
60
70
80
QUERY
UniRef90_W6MBN0
UniRef90_A8MLC4
UniRef90_B8J1A0
UniRef90_A0A023X5F9
UniRef90_L0B4Z9
UniRef90_R7K769
UniRef90_Q1D7V1
UniRef90_UPI000363D14A
UniRef90_I0YKL3
UniRef90_G2J8U2
UniRef90_UPI0001745BD9
UniRef90_C0QVZ4
UniRef90_F4QTL7
UniRef90_C7RDA3
UniRef90_E4TX72
UniRef90_R6WYK3
UniRef90_K0D4G3
UniRef90_E8R5G9
UniRef90_D0RNL2
UniRef90_R5Y116
UniRef90_H8GQ43
UniRef90_B3E156
UniRef90_A9BHA7
UniRef90_F0P0F8
UniRef90_C7N4S8
UniRef90_A8F2E9
UniRef90_W5XA94
UniRef90_R6U6B6
UniRef90_B0VGC9
UniRef90_V6Q259
UniRef90_K2E5I5
UniRef90_B9KYW9
UniRef90_M4Q983
UniRef90_I0I2N2
UniRef90_M4Q9K1
UniRef90_C3PKP2
UniRef90_N9VBE9
UniRef90_E1YG91
UniRef90_D2MMM9
UniRef90_L0EU68
UniRef90_UPI000289C82E
UniRef90_R6GUE5
UniRef90_R6M6J3
UniRef90_P42475
UniRef90_UPI0004114DAC
UniRef90_P13537
UniRef90_UPI00036A3A1A
UniRef90_A9T9Z0
UniRef90_H2CAM4
UniRef90_Q3RG05
UniRef90_W5IIG6
UniRef90_Q05FI3
UniRef90_R6LXG1
UniRef90_Q042T5
UniRef90_E0WQG9
UniRef90_B2KEM6
UniRef90_L1PI85
UniRef90_B5JK07
UniRef90_Q20EU5
UniRef90_A3ZLI6
UniRef90_UPI000402A31C
UniRef90_K3WXT5
UniRef90_K2FEA1
UniRef90_Q3YRK7
UniRef90_E0RZ25
UniRef90_D8LDT2
UniRef90_I0ICK2
UniRef90_L8M6A7
UniRef90_Q04FQ4
UniRef90_UPI00035E378A
UniRef90_F4LLR2
UniRef90_E0RQ79
UniRef90_R6XU74
UniRef90_M4ZXT7
UniRef90_UPI000365F52D
UniRef90_R6TX15
UniRef90_R5T7Y5
UniRef90_A6GCI0
UniRef90_P13927
UniRef90_X0TDI7
UniRef90_X1A169
UniRef90_Q9CEI0
UniRef90_Q3KM40
UniRef90_A5N4N1
UniRef90_X1HQJ6
UniRef90_UPI00036DD972
UniRef90_T0WGZ7
UniRef90_UPI000372F75A
UniRef90_U9SYI0
UniRef90_D5V6K3
UniRef90_L1JLT9

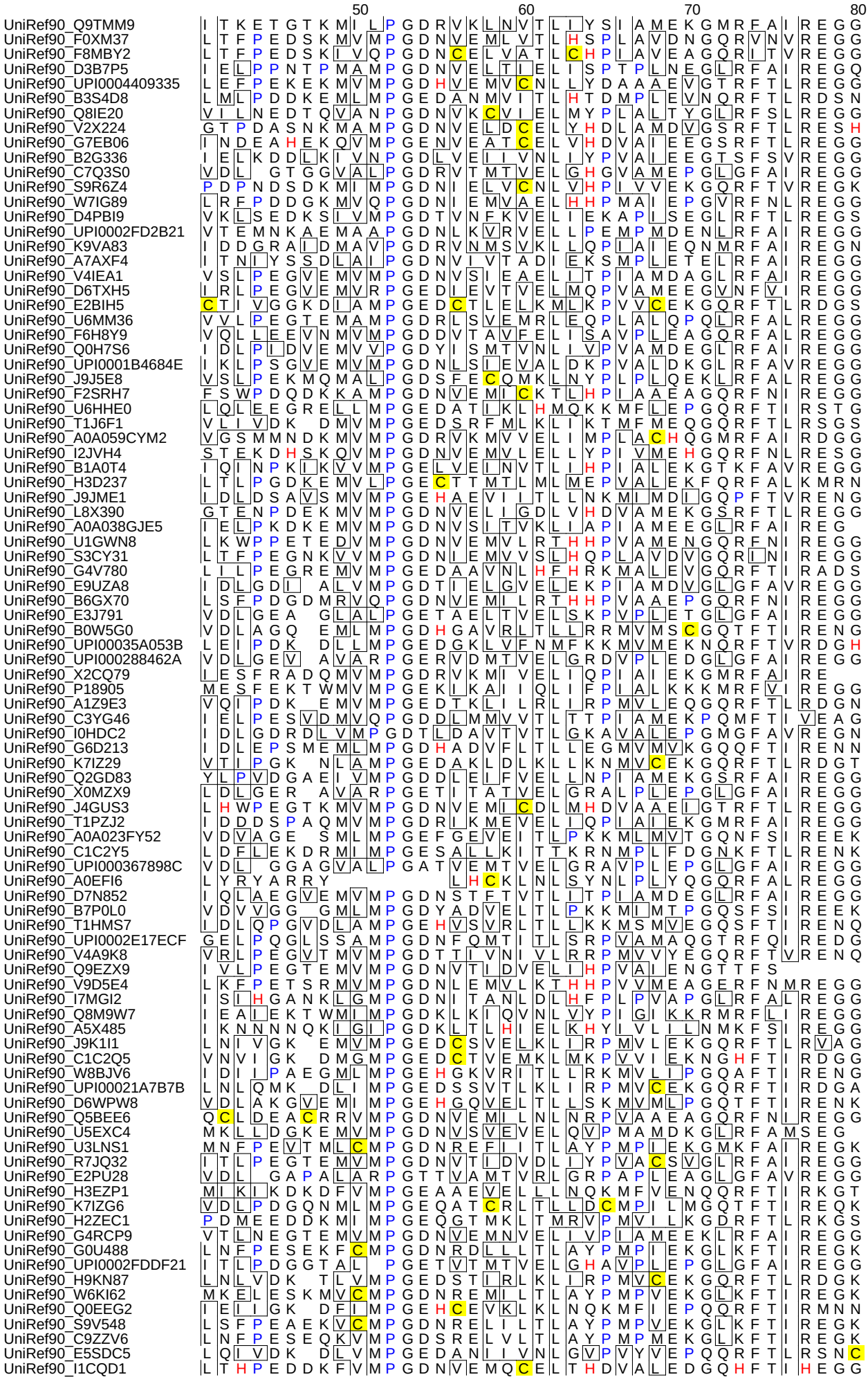
```
                                                  90
QUERY                 R T V G A G V V T K I L E
UniRef90_W6MBN0       R T V G A G V V A K I I E
UniRef90_A8MLC4       R T V G S G V V A S I I E
UniRef90_B8J1A0       R T V G S G V V T E I N E
UniRef90_A0A023X5F9   R T V G A G V V T E I V E
UniRef90_L0B4Z9       R T V G A G V V S K I I
UniRef90_R7K769       R T V G S G V V T K I L N
UniRef90_Q1D7V1       R T V G A G V V A E I I E
UniRef90_UPI000363D14A R T V G A G V V A K I I
UniRef90_I0YKL3       R T V G A G V V S K V L D
UniRef90_G2J8U2       R T V G A G V V T K I I E
UniRef90_UPI0001745BD9 R T V G A G R V A D I L D
UniRef90_C0QVZ4       K T V G N G V V T K I L E
UniRef90_F4QTL7       R T V G A G V V S K I V E
UniRef90_C7RDA3       R T V A S G V V T K V I K
UniRef90_E4TX72       R T V G A G V V S K I L
UniRef90_R6WYK3       R T V G S G V V A K I I K
UniRef90_K0D4G3       R T V G A G I V V N I L
UniRef90_E8R5G9       R T V G A G V V T K I L
UniRef90_D0RNL2       R T V G A G V V T K I I E
UniRef90_R5Y116       H T V G A G V V T K I I E
UniRef90_H8GQ43       R T V G A G V V A S I I E
UniRef90_B3E156       K T V G A G V V T E I I E
UniRef90_A9BHA7       R T V G A G V V T E I I E
UniRef90_F0P0F8       R T V G A G Q V T E I I E
UniRef90_C7N4S8       R T V G S G R V T K I I K
UniRef90_A8F2E9       R T V G A G V V T K I
UniRef90_W5XA94       R T V G A G A I T E I I Q
UniRef90_R6U6B6       R T V G S G S V S N I I E
UniRef90_B0VGC9       H T I G S G V V S K I I E
UniRef90_V6Q259       R T V G S G V V S K I L
UniRef90_K2E5I5       H T V G D G V I T K I L K
UniRef90_B9KYW9       R T V G A G V V T K I I K
UniRef90_M4Q983       R T V G A G V V S K L I
UniRef90_I0I2N2       R T V G A G V I T E I V K
UniRef90_M4Q9K1       K T I G A G V V S K I I E
UniRef90_C3PKP2       R T V G A G R V T K I L D
UniRef90_N9VBE9       R T V G A G T V T K I V K
UniRef90_E1YG91       R T V G A G V V S N I I
UniRef90_D2MMM9       R T V G S G S I T E I I K
UniRef90_L0EU68       K T V G A G V I S E I L E
UniRef90_UPI000289C82E R T I G S G V V T E V I E
UniRef90_R6GUE5       R T V G S G V V T E I I K
UniRef90_R6M6J3       H T V G A G R V I E I D E
UniRef90_P42475       R T V G A G S V T E I I K
UniRef90_UPI0004114DAC R T V G A G V V T E I V E
UniRef90_P13537       R T V G A G V V T E V I E
UniRef90_UPI00036A3A1A K T V G A G V V S K I L E
UniRef90_A9T9Z0       R T V G A G V I S K L L
UniRef90_H2CAM4       R T V G S G V V A E I V E
UniRef90_Q3RG05       R T V G A G V V S K V I
UniRef90_W5IIG6       R T V G S G R V T K I L E
UniRef90_Q05FI3       K T V G A G I I T E V L N
UniRef90_R6LXG1       R T V G S G V V I A I N E
UniRef90_Q042T5       K T V G A G Q V T E I L D
UniRef90_E0WQG9       K T V G A G V V T K I L E
UniRef90_B2KEM6       R T V G A G V V T K V I E
UniRef90_L1PI85       R T V G S G R V T K I L K
UniRef90_B5JK07       R T I G A G R I T A I I E
UniRef90_Q20EU5       R T V G A G V V S E I L
UniRef90_A3ZLI6       R T V G S G V V T K I I
UniRef90_UPI000402A31C R T V G A G Q V T E I I K
UniRef90_K3WXT5       R T I G A G V V S K V
UniRef90_K2FEA1       R T V G S W V V A K V I
UniRef90_Q3YRK7       R T V G S G I I T E I L E
UniRef90_E0RZ25       R T V G S G K V A T I V E
UniRef90_D8LDT2       R T V G A G V V S S I V Q
UniRef90_I0ICK2       R T V G A G A V T K I L E
UniRef90_L8M6A7       R T I G A G V V S K I L E
UniRef90_Q04FQ4       H T V G A G T V S E I
UniRef90_UPI00035E378A R T V G A G R V T K I L K
UniRef90_F4LLR2       R T I A S G Q V T N I I E
UniRef90_E0RQ79       R T V A S G Q V I E V I E
UniRef90_R6XU74       R T V G A G T V T T I I K
UniRef90_M4ZXT7       R T V G A G R V T K I H K
UniRef90_UPI000365F52D H T V G A G V V T S I S E
UniRef90_R6TX15       R T V G S G V V T E I
UniRef90_R5T7Y5       R T V G A G V V A K I T K
UniRef90_A6GCI0       R T V G A G I V T A I I E
UniRef90_P13927       R T V G A G T V T E V L E
UniRef90_X0TDI7       N T V G A G V L T K V
UniRef90_X1A169       H T V G A G T V I E I V K
UniRef90_Q9CEI0       R T V G S G I V A E I
UniRef90_Q3KM40       R T I G A G T I S K I I
UniRef90_A5N4N1       R T V G S G V V T T V S E
UniRef90_X1HQJ6       R T V G A G V V I K V I E
UniRef90_UPI00036DD972 R T V G S G V I T K V V
UniRef90_T0WGZ7
UniRef90_UPI000372F75A R T I G A G V V S N I L Q
UniRef90_U9SYI0       K T V G T G V V T K I I E
UniRef90_D5V6K3       R T V G A G V V A E V I K
UniRef90_L1JLT9       K T V G A G V V S E I L
```

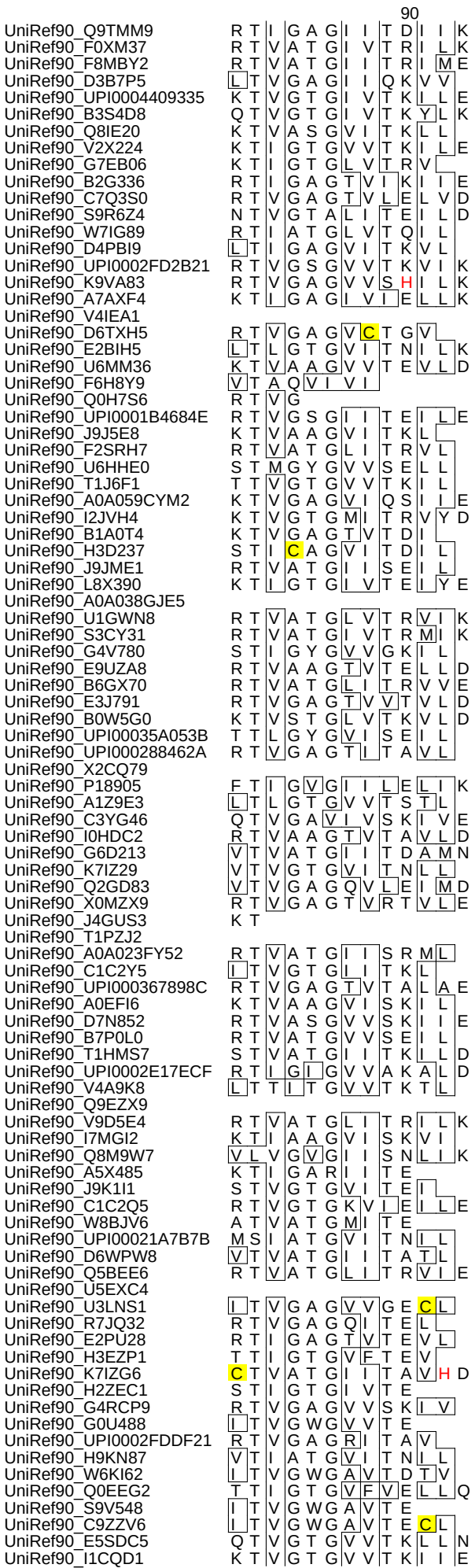

1 10 20 30 40
UniRef90_I3YMX8 H T E F E A E V Y I L K K E E G G R H T P F H N N Y R P Q F Y L R T M D V T G E
UniRef90_A7S8T2 H S K F E A Q V Y I L K K E E G G R H K P F V T S Y T P Q M Y V R T G D V A A T
UniRef90_S5TE33 H T E F E S K A Y I L K S E E G G R H T P F F N N Y K P Q F Y F R T T D V T G V
UniRef90_C7NCD6 H T G F K S E V Y V L T K D E G G R H T P F F T G Y K P Q F Y F R T T D I T G E
UniRef90_T1RJE3 H K R F E A E V Y I L K K E E G G R H T P F L P G Y R P Q F Y V R T T D V T G N
UniRef90_I3QH06 H K K F K A E V Y I L T K E E G G R H T P F H N K Y R P Q F Y L R T T D V T G E
UniRef90_R5FG64 H D H F K A S I Y V L K K E E G G R H T P F G N K Y R P Q F Y L R T M D C T G E
UniRef90_UPI0003B3C46B H K K F E A A V Y A L K K E E G G R H T P F F K N Y K P Q F Y F R T T D V T G G
UniRef90_P17746 H T K F E A Q V Y V L T K E E G G R H S A F M I G Y Q P Q F Y V R T T D V T G K
UniRef90_X1QNH3 H F N F M A Q V Y V L S K D E G G R H T P F F N G Y R P Q F Y F R T T D V T G I
UniRef90_H3AI71 H Q K V E A Q V Y V L S K E E G G R H K P F V S N F M P V M F S L T W D M A C R
UniRef90_R5ZKL1 H A K F R A Q V Y I L T K E E G G R H T A F A D G Y R P Q F Y F R T T D V T G V
UniRef90_G8JR33 H T K F L A S L Y I L T K E E G G R H S G F G E N Y R P Q I Y V R T A D V T V P
UniRef90_Q1GP97 H T E F T S E V Y V L S K D E G G R H T P F F A N Y R P Q F Y F R T T D V T G E
UniRef90_M4QDI2 H T Q F M A K V Y I L S K E E G G R H K P F F A N Y R P Q F F F R T A D V T G Q
UniRef90_F7YY21 H T T F V A N V Y V L K K E E G G R H T P F M K G Y R P Q F Y I R T A D V T G E
UniRef90_F5YQ27 H S K F K A Q I Y C L S Q A E G G R H R P F L S G Y R P Q F Y F R T T D I T G T
UniRef90_C6UN07 Y T K F E A E V Y A L K K E E G G R H T P F L N S Y K P Q F F F R T A D V T G S
UniRef90_K9SI60 H T K F E S Q V Y I L T Q D E G G R K T P F F A G Y R P Q F Y V R T T D V T G T
UniRef90_M5SD38 H R E F E A E V Y V L K K E E G G R H T P F F D G Y A P Q F F F R T T N V T G S
UniRef90_R6TE62 H S E F K A E V Y V L T K E E G G R H T A F F S N Y R P Q F Y F R T T D V T G V
UniRef90_P02991 H T K F D S Q V Y I L T K E E G G R H T P F F E G Y R P Q F Y V R T T D V T G K
UniRef90_I0YY77 S R F E V E L Y V L N K E E G G R H K P F F S N Y S P Q F F I R T A D V T G T
UniRef90_W8VTG7 F K A N L Y I L T K E E G G R H T P F F Q N Y R P Q F F I R T A D I T G T
UniRef90_K2A1P4 H T E F E A E I Y V L S K D E G G R H K P F F K G Y K P Q F Y I R T T D V T G D
UniRef90_V5RTU4 H T D F D A E V Y I L S K E E G G R Q K P F F S G Y R P Q F Y I R T T D V T G E
UniRef90_E4UDS5 Y S K F E A S V Y I L K K E E G G R H T G F L G N Y R P Q F F M D T A D V T G K
UniRef90_D9CJ50 Y K R F E A E V Y A L T K E E G G R H T P F T S K Y K P Q F F I R T A D V S G Q
UniRef90_A0A058Z2D5 H K S F E S Q V Y I L T K E E G G R H T S F V N N Y R P Q I F F R T S D I T A T
UniRef90_W6VXS6 H K T F S A K I Y V L T K D V G G R D T P F Y R G Y R P R F Y F R T A D V T G S
UniRef90_UPI00035E8FB8 H S E F K A S I Y V L K K E E G G R H T P F R N H Y R P Q F F I R T L D V T G D
UniRef90_UPI0003697D49 Y S K F K G E A Y I L T K D E G G R H T P F F S N Y R P Q F Y F R T T D V T G A
UniRef90_A9URP5 H R K F Q S Q L Y V L S K E E G G R H T P F V N G Y R P Q L F T R T G D I T C T
UniRef90_Q6ZI52 H T K F D A V V Y V L K K D E G G R H S P F F P G Y R P Q F Y M R T T D V T G N
UniRef90_A5CCA0 H C S F E A E V Y V L T K E E G G R H T P F F Q N Y R P Q F Y C R T T D V T G E
UniRef90_UPI00035D69AB H K K F D A K C Y I L S K D E G G R H T P I F S G Y K P Q F F I R T T D V T G E
UniRef90_K1XRD7 H T E F E A K I Y A L T K E E G G R H K P F F T G Y K P Q F Y V R T T D V T G E
UniRef90_E8ZK37 H K K F H A Q I Y A L K K E E G G R H T A F T K G Y K P Q F Y F R T T D V T G T
UniRef90_A0A024JGA1 H T K F L A S I Y V L S K E E G G R H S P F G L N Y R P Q L F A G S A D V T T V
UniRef90_M7PVX2 Y S Q F K A E V Y I L T E E E G G R K K S F R T N Y R P Q F F F R T A N V T G V
UniRef90_UPI00044129A5 K K F Q A Q I Y V L T K D E G G R Y T P F M A N Y T P Q L F I R T A D I S T R
UniRef90_B2W7S5 H K K F L V S M Y V L S K E E G G R H T G F G E N Y R P Q M F I R T A D E S C A
UniRef90_K0H8B2 H T K F K G E V Y I L S K D E G G R H T P F F N N Y R P Q F Y F R T T D V T G S
UniRef90_G8Y712 H K K M L A S L Y I L S K E E G G R H S P F A E N Y K P Q L F I R T T D V T G F
UniRef90_Q1ACI3 H T R F E A Q V Y I L R K E E G G R H S P F F A G Y R P Q F F V R T A D V T G E
UniRef90_B6K4A8 H K K F K A S F Y I L T K E E G G R H T G F V D N Y R P Q M Y T R T S D V T V H
UniRef90_W5FD33 Y K K F E A Q I Y V L T K N E G G R H T A F F S N Y I P Q F Y F R T T G I C G K
UniRef90_D9IXR7 H T E F Q A E V Y I L T P D E G G R H K P F F A G Y R P Q F Y V R T T D V T G S
UniRef90_K7VVX8 H T D F E G E V Y V L T E K E G G R K T P F F S G Y R P Q F Y V R T T D V T G T
UniRef90_Q5BJ17 H Q K I R A Q V Y I L S K E E G G R H K P F F T N F T P I M F S L T W D M A C I
UniRef90_W6MQJ0 H T K F L A S L Y V L T K E E G G R H S P F G A N Y R P Q L F I R T S D V S V Q
UniRef90_UPI0003B63F2E A E A Y I L T K E E G G R H T P F F S N Y R P Q F Y F R T T D V T G V
UniRef90_X1PYF4 H T Y A E T E V Y V L S K E E G G R H T P F F N G Y K P Q F F I R T T D V T G S
UniRef90_U4LIA0 H T K F L V S A Y V L T K E E G G R H T G F H G N Y R P Q M F L R T S D V S C T
UniRef90_P50372 H Q H F K A Q V Y I L K K E E G G R H T S F F A G Y R P Q F Y V R T T D V T G H
UniRef90_D5GGY2 H N K F L A S L Y V L T K E E G G R H T G F H G N Y R P Q M F L R T S D I P V T
UniRef90_Q9S513 H R K F V A K I Y F L T A E E G G R K T C F G D N Y R P Q F F I T T A D V T G V
UniRef90_L1LD18 H D S F E A D V Y I L T F E E G G R K N A F V S N Y R P Q A F I R T G D I S C S
UniRef90_G1E782 H S K F I A E A Y I L T E E E G G R H T P F F T G Y R P Q F Y L R T T D V T G I
UniRef90_Q06J54 H V S F D A Q V Y I L T K E E G G R H T P F F K G Y R P Q F Y V R T T D V T G K
UniRef90_C8W816 H K K F T G E V Y V L T K E E G G R H T P F F S G Y R P Q F Y F R T T D V T G D
UniRef90_N1PYG2 H K K F L T S L Y V L T K E E G G R H T G F A N N Y K P Q L F L R T A D E S A A
UniRef90_UPI0003D0D1CF H Q K I E A Q V Y V L S K E E G G R S K P F V A G Y K P I L F S L T W D M V G R
UniRef90_B3QZH5 Y H K F L S Q V Y I L T Q Q E G G R H T A F F S N Y R P Q F Y F R T T D V T G F
UniRef90_C5ME76 H K K F L A S M Y I L T A E E G G R S T P F G E G Y K P Q C F F R T N D V T T S
UniRef90_U6GK06 K K F S A N V Y V L K E E E G G R K K P F F T Y Y R P Q A F I R T G D M A C T
UniRef90_Q33451 Y S K F D A E V Y I L S S S E G G R K K P F F E G Y K P Q F Y F Y T T D V T G T
UniRef90_E1Z696 H R K F K G E I Y A L S K E E G G R H T P F F S N Y K P Q F F F R T A D I T G T
UniRef90_R4LMY7 H R S F R A R L Y A L K K E E G G R H T P F V A N Y R P Q F F F R T T D V S G A
UniRef90_G0R758 H K Q F L A S L Y V L T K E E G G R H T G F H E H Y R P Q L Y L R T S D E S V D
UniRef90_W7TYA0 Y K E F E A E L Y V L T Q E E G G R H T P F L D N Y R P Q F Y I R T A D V T G S
UniRef90_F8CLI5 H T K F K A Q I Y V L S K E E G G R H T P F F K G Y R P Q F Y F R T T D V T G S
UniRef90_F8CLI5 H T K F K A Q I Y V L S K E E G G R H T P F F K G Y R P Q F Y F R T T D V T G S
UniRef90_E6ZJM9 K K F R A Q V Y I L K K E E G G R Y T P F M N N Y R P Q L F I R T A D V T V A
UniRef90_R9AKA9 Y K K F K A Q L Y I L T K E E G G R H S P F F E N Y R P Q L F I R T S D V T I S
UniRef90_I1G5X4 H S K I K A Q V Y V L E K E K G G R H T P F V T N Y S P V L F T K T T R I T A A
UniRef90_Q6Q901 H T K F K C K V V V L K K E E G G R H S P F M S N Y R P Q F Y F R T T D V T G A
UniRef90_T1FNW2 H N H F G A Q V Y F L S K E E G G K N K A F M S N F Q A Q M Y C K T W D A P I L
UniRef90_U6M7L7 Y K K F I A N V Y I L K E E E G G R K K P F F S Y Y R P Q A F I R T G D M A C T
UniRef90_D8T8L9 S K F E A Q V Y V L K K E E G G R H S P F F C G Y R P Q F Y M R T T D V T G K
UniRef90_B0CQ61 K K F L A Q I Y V L T K D E G G R Y T P F M S N Y R P Q C F I R T A D I T V A
UniRef90_R7IWJ1 H T K F T S E V Y V L T K E E G G R H T P F F N G Y R P Q F Y F R T T D V T G V
UniRef90_L0P9G2 Y K K F L A S F Y I L T K E E G G R K T G F V N Y Y R P Q M F A R T S D V T V V
UniRef90_B1AJG3 H R T F T A K V Y I L K K E E G G R H T P I V S G Y R P Q F Y F R T T D V T G A
UniRef90_L8FYK1 H K S F L T S M Y V L T K E E G G R H T G F H E N Y R P Q M F I R T A D E S A T
UniRef90_R8BQ77 H T E F L I S M Y V L S K E E G G R H T G F H E N Y R P Q M Y I R T A D E S C A
UniRef90_W4ZHJ3 H N N F I A Q V Y I L S K D E G G R H K P F T S N F T P I M Y S Y T W D A A A R
UniRef90_U4US72 H T K F D S E V Y I L S K D E G G R H T P F F K G Y R P Q F Y F R T T D V T G T
UniRef90_B7Q505 H D Q Y E A Q V Y V L K K E E G G R E R P I L K R Y Q P I V F S T T W D C P A R
UniRef90_Q2SSW8 H T V L K A S V Y A L T Q E E G G R H K P F F N K Y R P Q F Y F R T T D V T G E
UniRef90_M7P1R0 M L S K D E G G R H T P F F N G Y R P Q F Y F R T T D V T G A
UniRef90_G4TN58 H T K F L A Q I Y A L T K D E G G R Y A P F H D G Y R P Q L F I R T A D V T A T

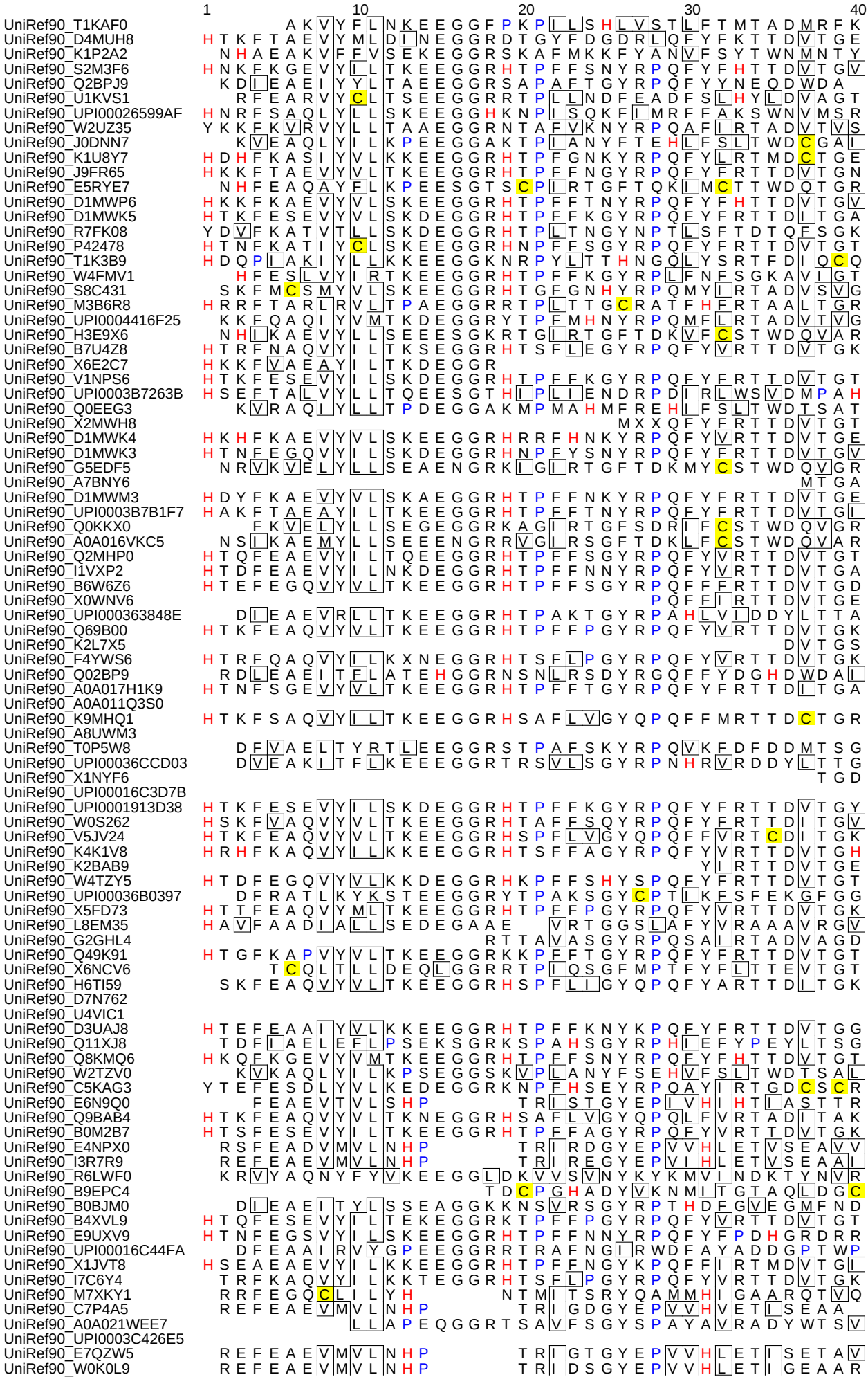

50
60
70
80
UniRef90_I3YMX8
UniRef90_A7S8T2
UniRef90_S5TE33
UniRef90_C7NCD6
UniRef90_T1RJE3
UniRef90_I3QH06
UniRef90_R5FG64
UniRef90_UPI0003B3C46B
UniRef90_P17746
UniRef90_X1QNH3
UniRef90_H3AI71
UniRef90_R5ZKL1
UniRef90_G8JR33
UniRef90_Q1GP97
UniRef90_M4QDI2
UniRef90_F7YY21
UniRef90_F5YQ27
UniRef90_C6UN07
UniRef90_K9SI60
UniRef90_M5SD38
UniRef90_R6TE62
UniRef90_P02991
UniRef90_I0YY77
UniRef90_W8VTG7
UniRef90_K2A1P4
UniRef90_V5RTU4
UniRef90_E4UDS5
UniRef90_D9CJ50
UniRef90_A0A058Z2D5
UniRef90_W6VXS6
UniRef90_UPI00035E8FB8
UniRef90_UPI0003697D49
UniRef90_A9URP5
UniRef90_Q6ZI52
UniRef90_A5CCA0
UniRef90_UPI00035D69AB
UniRef90_K1XRD7
UniRef90_E8ZK37
UniRef90_A0A024JGA1
UniRef90_M7PVX2
UniRef90_UPI00044129A5
UniRef90_B2W7S5
UniRef90_K0H8B2
UniRef90_G8Y712
UniRef90_Q1ACI3
UniRef90_B6K4A8
UniRef90_W5FD33
UniRef90_D9IXR7
UniRef90_K7VVX8
UniRef90_Q5BJ17
UniRef90_W6MQJ0
UniRef90_UPI0003B63F2E
UniRef90_X1PYF4
UniRef90_U4LIA0
UniRef90_P50372
UniRef90_D5GGY2
UniRef90_Q9S513
UniRef90_L1LD18
UniRef90_G1E782
UniRef90_Q06J54
UniRef90_C8W816
UniRef90_N1PYG2
UniRef90_UPI0003D0D1CF
UniRef90_B3QZH5
UniRef90_C5ME76
UniRef90_U6GK06
UniRef90_Q33451
UniRef90_E1Z696
UniRef90_R4LMY7
UniRef90_G0R758
UniRef90_W7TYA0
UniRef90_F8CLI5
UniRef90_F8CLI5
UniRef90_E6ZJM9
UniRef90_R9AKA9
UniRef90_I1G5X4
UniRef90_Q6Q901
UniRef90_T1FNW2
UniRef90_U6M7L7
UniRef90_D8T8L9
UniRef90_B0CQ61
UniRef90_R7IWJ1
UniRef90_L0P9G2
UniRef90_B1AJG3
UniRef90_L8FYK1
UniRef90_R8BQ77
UniRef90_W4ZHJ3
UniRef90_U4US72
UniRef90_B7Q505
UniRef90_Q2SSW8
UniRef90_M7P1R0
UniRef90_G4TN58

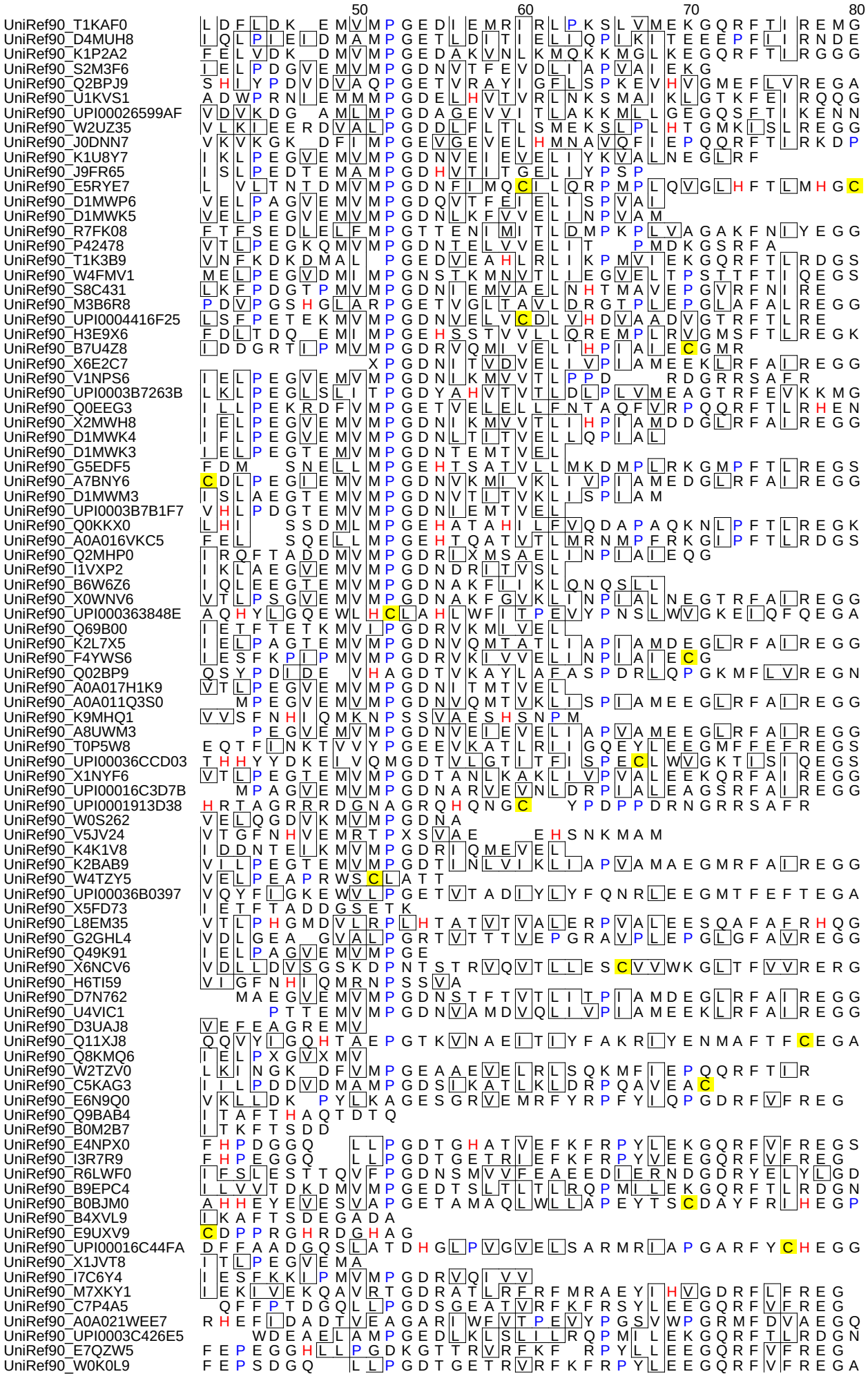

90
UniRef90_I3YMX8 R T V G A G Q I L K I V K
UniRef90_A7S8T2 K T V G T G V V T K I L D
UniRef90_S5TE33 K T V G A G I V T K V L
UniRef90_C7NCD6 R T V A S G V V A T I T K
UniRef90_T1RJE3 R T I G A G V V S K I L E
UniRef90_I3QH06 K T V G A G Q V I H I I D
UniRef90_R5FG64 R T V G S G Q I T K I L E
UniRef90_UPI0003B3C46B R T V G A G S V T K V I Q
UniRef90_P17746 R T V G A G V V T N I V Q
UniRef90_X1QNH3 R T I G A G S V T R V I E
UniRef90_H3AI71 K T I G T G L V T N I L E
UniRef90_R5ZKL1 H T V G A G T V I D I L D
UniRef90_G8JR33 K T V G T G L I T R I L E
UniRef90_Q1GP97 R T V G A G V V A T V T K
UniRef90_M4QDI2 R T I G A G V V S S I I E
UniRef90_F7YY21 K T V G A G V V A E I I E
UniRef90_F5YQ27 K T V A S G Q V T E I I E
UniRef90_C6UN07 R T V G A G V V T K L V
UniRef90_K9SI60 R T V G S G V V T K I L K
UniRef90_M5SD38 K T V G S G V V T K V V
UniRef90_R6TE62 R T V G A G S V S E L
UniRef90_P02991 R T V G A G V V L S I I Q
UniRef90_I0YY77 R T V G A G L V S K V L E
UniRef90_W8VTG7 R T V G A G I V S E V L K
UniRef90_K2A1P4 R T V G S G V V V K I I K
UniRef90_V5RTU4 H T V G A G V I S K V
UniRef90_E4UDS5 K T I G A G I V S K I I
UniRef90_D9CJ50 K T V G A G V V T K V I
UniRef90_A0A058Z2D5 K T V G T G V V T N I L D
UniRef90_W6VXS6 R T V G S G V V T E I I E
UniRef90_UPI00035E8FB8 C T V G A G Q I T E I L D
UniRef90_UPI0003697D49 R T V G A G V V S S I
UniRef90_A9URP5 K T V G T G I V S K I I E
UniRef90_Q6ZI52 K T V G A G V I N T I L K
UniRef90_A5CCA0 K T I G A G K V S K I I K
UniRef90_UPI00035D69AB M T V G A G V V T K I
UniRef90_K1XRD7 K T V G A G V V T K I L K
UniRef90_E8ZK37 K T I G A G T V V D I V E
UniRef90_A0A024JGA1 R T V G T G L I T R I I E
UniRef90_M7PVX2 K T I G S G K I I E I L
UniRef90_UPI00044129A5 K T I G T G I I T K I L E
UniRef90_B2W7S5 R T V A T G L V T R I L E
UniRef90_K0H8B2 R T V G S G
UniRef90_G8Y712 R T V G T G L V T R I I E
UniRef90_Q1ACI3 R T I G A G V V L Q I L D
UniRef90_B6K4A8 N T V G T G L I T E I I E
UniRef90_W5FD33 R T V G A G M V T R V M
UniRef90_D9IXR7 R T V G A G L V V K I V K
UniRef90_K7VVX8 R T I G A G V V A K I L K
UniRef90_Q5BJ17 Q T I G T G L V T D I L
UniRef90_W6MQJ0 K T V G T G L V T Q I M E
UniRef90_UPI0003B63F2E R T V G S G V V S K V I E
UniRef90_X1PYF4 K T V G A G T F T R I I E
UniRef90_U4LIA0 R T V A T G L V T R I I E
UniRef90_P50372 K T V G A G V V T T I V Q
UniRef90_D5GGY2 R T V A T G L V T R I L
UniRef90_Q9S513 R T I G T G T V I E I L E
UniRef90_L1LD18 K T V A S G I I S K I V
UniRef90_G1E782 R T V G A G V V S H V L E
UniRef90_Q06J54 R T V G A G V V S N V V
UniRef90_C8W816 H T V G D G R V S T I I E
UniRef90_N1PYG2 R T V A T G L I T R I L
UniRef90_UPI0003D0D1CF R T I G T G I V T R T L E
UniRef90_B3QZH5 R T I G A G T V T E I I E
UniRef90_C5ME76 K T V G T G L I T R I I E
UniRef90_U6GK06 K T V A S G V V T K T I
UniRef90_Q33451 K T I G A G I I I D L I N
UniRef90_E1Z696 R T
UniRef90_R4LMY7 R T V A A G T V T E L L D
UniRef90_G0R758 R T V A T G L V T R I M Q
UniRef90_W7TYA0 R T V A A G V V A K M L
UniRef90_F8CLI5
UniRef90_F8CLI5
UniRef90_E6ZJM9 K T V G T G I V T Q I
UniRef90_R9AKA9 K T I G T G I V T E V I
UniRef90_I1G5X4 K T I G T G V V T A I V E
UniRef90_Q6Q901 R T V G S G Q V L E I I E
UniRef90_T1FNW2 S T L G Y G V V T D L L
UniRef90_U6M7L7 R T V A S G V I T D T I
UniRef90_D8T8L9 K T V G A G V I L N V M K
UniRef90_B0CQ61 K T I G T G I V T K I L E
UniRef90_R7IWJ1 R T V G S G V V A D I I E
UniRef90_L0P9G2 K T V G T A I I T K I L E
UniRef90_B1AJG3 K T V G H G S V I K
UniRef90_L8FYK1 R T V A T G L I T R I L K
UniRef90_R8BQ77 R T V A T G L I T R I I K
UniRef90_W4ZHJ3 I T L G T G I I T K V L
UniRef90_U4US72 R
UniRef90_B7Q505 R T S G T G V V T K V L N
UniRef90_Q2SSW8 R T I G A G T V I S I
UniRef90_M7P1R0 R T V G A G V V S K I V E
UniRef90_G4TN58 K T I G T G I V T K I I E


1
10
20
30
40
UniRef90_Q9TMM9
UniRef90_F0XM37
UniRef90_F8MBY2
UniRef90_D3B7P5
UniRef90_UPI0004409335
UniRef90_B3S4D8
UniRef90_Q8IE20
UniRef90_V2X224
UniRef90_G7EB06
UniRef90_B2G336
UniRef90_C7Q3S0
UniRef90_S9R6Z4
UniRef90_W7IG89
UniRef90_D4PBI9
UniRef90_UPI0002FD2B21
UniRef90_K9VA83
UniRef90_A7AXF4
UniRef90_V4IEA1
UniRef90_D6TXH5
UniRef90_E2BIH5
UniRef90_U6MM36
UniRef90_F6H8Y9
UniRef90_Q0H7S6
UniRef90_UPI0001B4684E
UniRef90_J9J5E8
UniRef90_F2SRH7
UniRef90_U6HHE0
UniRef90_T1J6F1
UniRef90_A0A059CYM2
UniRef90_I2JVH4
UniRef90_B1A0T4
UniRef90_H3D237
UniRef90_J9JME1
UniRef90_L8X390
UniRef90_A0A038GJE5
UniRef90_U1GWN8
UniRef90_S3CY31
UniRef90_G4V780
UniRef90_E9UZA8
UniRef90_B6GX70
UniRef90_E3J791
UniRef90_B0W5G0
UniRef90_UPI00035A053B
UniRef90_UPI000288462A
UniRef90_X2CQ79
UniRef90_P18905
UniRef90_A1Z9E3
UniRef90_C3YG46
UniRef90_I0HDC2
UniRef90_G6D213
UniRef90_K7IZ29
UniRef90_Q2GD83
UniRef90_X0MZX9
UniRef90_J4GUS3
UniRef90_T1PZJ2
UniRef90_A0A023FY52
UniRef90_C1C2Y5
UniRef90_UPI000367898C
UniRef90_A0EFI6
UniRef90_D7N852
UniRef90_B7P0L0
UniRef90_T1HMS7
UniRef90_UPI0002E17ECF
UniRef90_V4A9K8
UniRef90_Q9EZX9
UniRef90_V9D5E4
UniRef90_I7MGI2
UniRef90_Q8M9W7
UniRef90_A5X485
UniRef90_J9K1I1
UniRef90_C1C2Q5
UniRef90_W8BJV6
UniRef90_UPI00021A7B7B
UniRef90_D6WPW8
UniRef90_Q5BEE6
UniRef90_U5EXC4
UniRef90_U3LNS1
UniRef90_R7JQ32
UniRef90_E2PU28
UniRef90_H3EZP1
UniRef90_K7IZG6
UniRef90_H2ZEC1
UniRef90_G4RCP9
UniRef90_G0U488
UniRef90_UPI0002FDDF21
UniRef90_H9KN87
UniRef90_W6KI62
UniRef90_Q0EEG2
UniRef90_S9V548
UniRef90_C9ZZV6
UniRef90_E5SDC5
UniRef90_I1CQD1

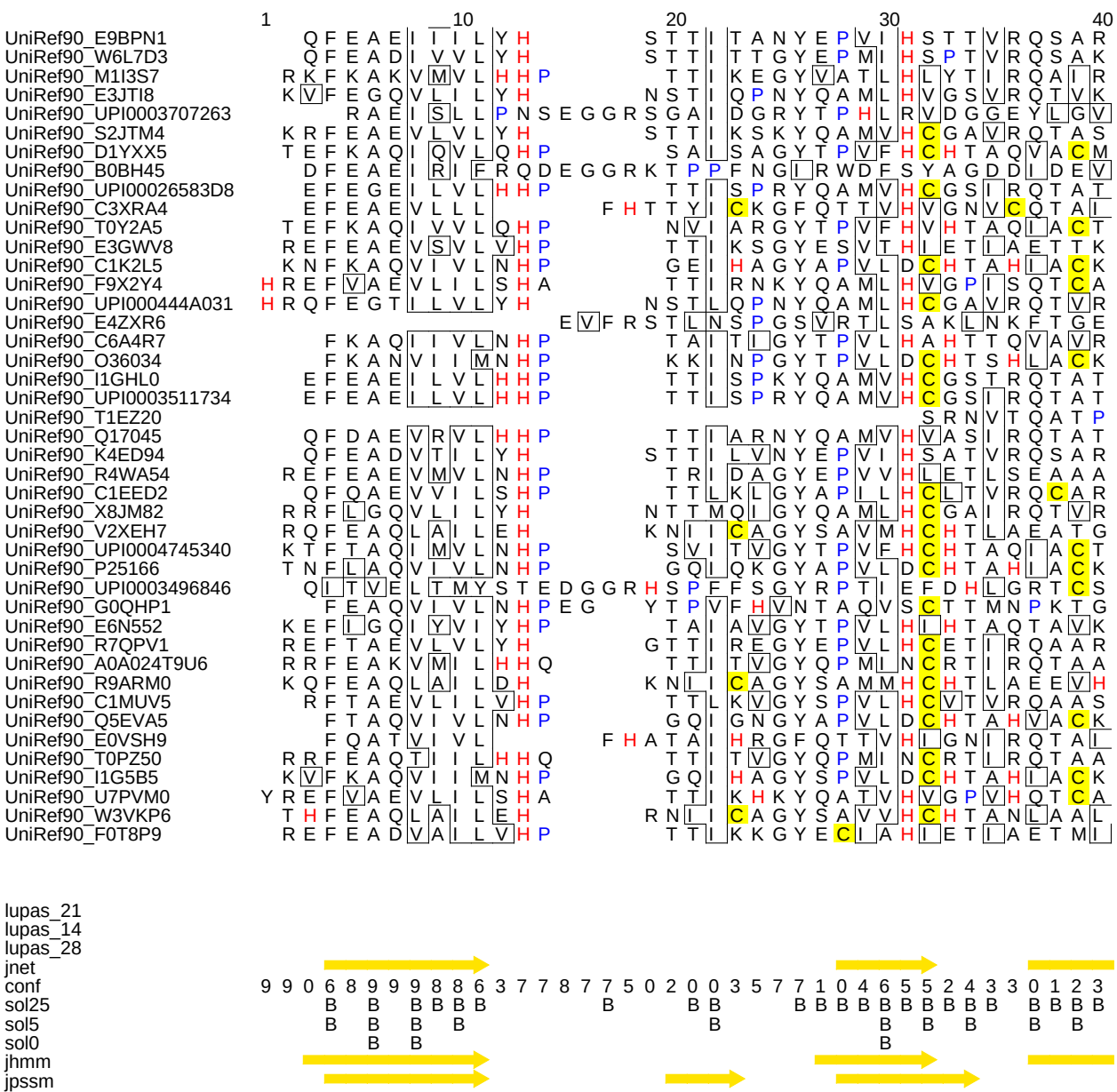

50
60
70
80
UniRef90_Q9TMM9
UniRef90_F0XM37
UniRef90_F8MBY2
UniRef90_D3B7P5
UniRef90_UPI0004409335
UniRef90_B3S4D8
UniRef90_Q8IE20
UniRef90_V2X224
UniRef90_G7EB06
UniRef90_B2G336
UniRef90_C7Q3S0
UniRef90_S9R6Z4
UniRef90_W7IG89
UniRef90_D4PBI9
UniRef90_UPI0002FD2B21
UniRef90_K9VA83
UniRef90_A7AXF4
UniRef90_V4IEA1
UniRef90_D6TXH5
UniRef90_E2BIH5
UniRef90_U6MM36
UniRef90_F6H8Y9
UniRef90_Q0H7S6
UniRef90_UPI0001B4684E
UniRef90_J9J5E8
UniRef90_F2SRH7
UniRef90_U6HHE0
UniRef90_T1J6F1
UniRef90_A0A059CYM2
UniRef90_I2JVH4
UniRef90_B1A0T4
UniRef90_H3D237
UniRef90_J9JME1
UniRef90_L8X390
UniRef90_A0A038GJE5
UniRef90_U1GWN8
UniRef90_S3CY31
UniRef90_G4V780
UniRef90_E9UZA8
UniRef90_B6GX70
UniRef90_E3J791
UniRef90_B0W5G0
UniRef90_UPI00035A053B
UniRef90_UPI000288462A
UniRef90_X2CQ79
UniRef90_P18905
UniRef90_A1Z9E3
UniRef90_C3YG46
UniRef90_I0HDC2
UniRef90_G6D213
UniRef90_K7IZ29
UniRef90_Q2GD83
UniRef90_X0MZX9
UniRef90_J4GUS3
UniRef90_T1PZJ2
UniRef90_A0A023FY52
UniRef90_C1C2Y5
UniRef90_UPI000367898C
UniRef90_A0EFI6
UniRef90_D7N852
UniRef90_B7P0L0
UniRef90_T1HMS7
UniRef90_UPI0002E17ECF
UniRef90_V4A9K8
UniRef90_Q9EZX9
UniRef90_V9D5E4
UniRef90_I7MGI2
UniRef90_Q8M9W7
UniRef90_A5X485
UniRef90_J9K1I1
UniRef90_C1C2Q5
UniRef90_W8BJV6
UniRef90_UPI00021A7B7B
UniRef90_D6WPW8
UniRef90_Q5BEE6
UniRef90_U5EXC4
UniRef90_U3LNS1
UniRef90_R7JQ32
UniRef90_E2PU28
UniRef90_H3EZP1
UniRef90_K7IZG6
UniRef90_H2ZEC1
UniRef90_G4RCP9
UniRef90_G0U488
UniRef90_UPI0002FDDF21
UniRef90_H9KN87
UniRef90_W6KI62
UniRef90_Q0EEG2
UniRef90_S9V548
UniRef90_C9ZZV6
UniRef90_E5SDC5
UniRef90_I1CQD1

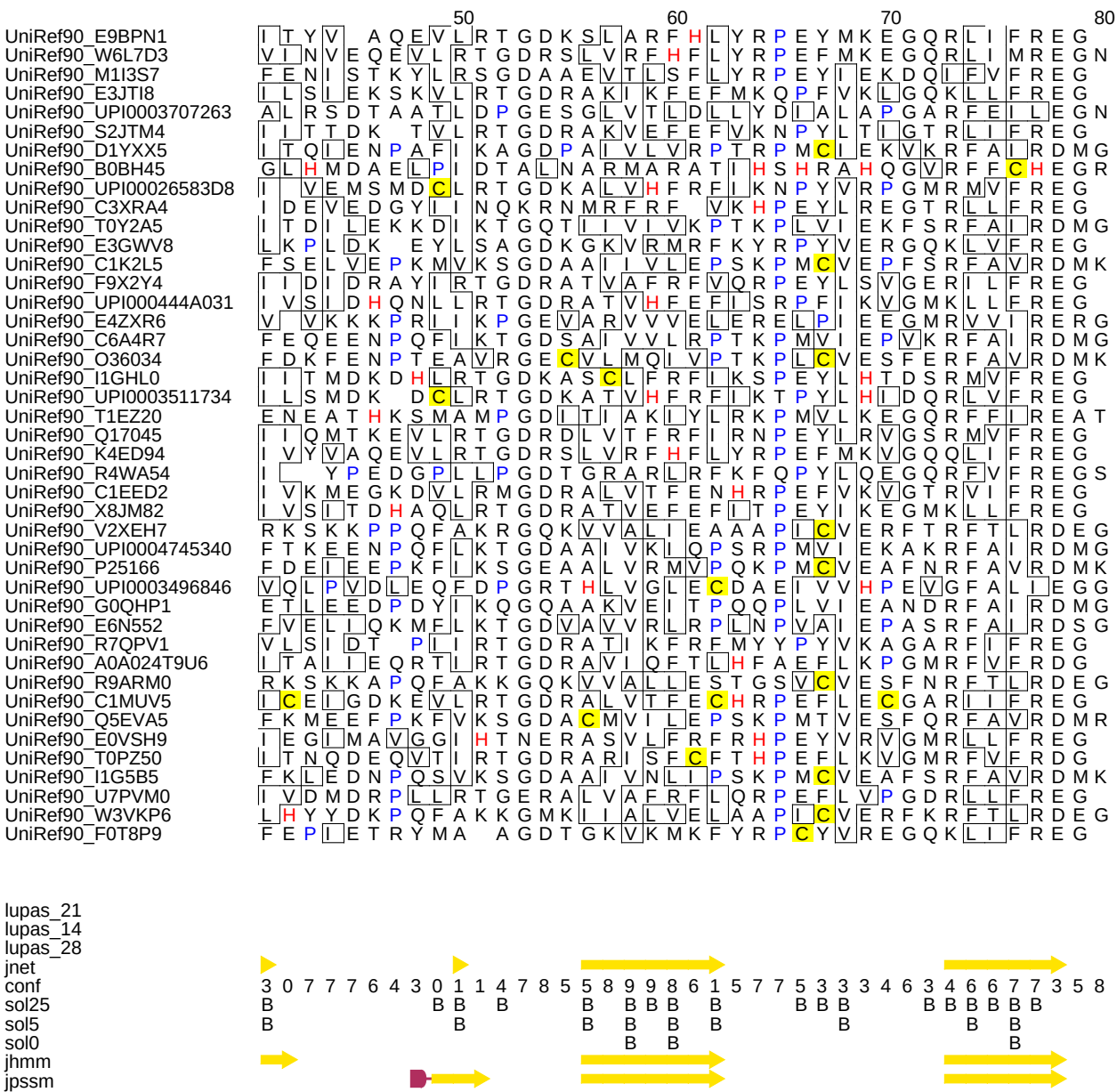

90
UniRef90_Q9TMM9
UniRef90_F0XM37
UniRef90_F8MBY2
UniRef90_D3B7P5
UniRef90_UPI0004409335
UniRef90_B3S4D8
UniRef90_Q8IE20
UniRef90_V2X224
UniRef90_G7EB06
UniRef90_B2G336
UniRef90_C7Q3S0
UniRef90_S9R6Z4
UniRef90_W7IG89
UniRef90_D4PBI9
UniRef90_UPI0002FD2B21
UniRef90_K9VA83
UniRef90_A7AXF4
UniRef90_V4IEA1
UniRef90_D6TXH5
UniRef90_E2BIH5
UniRef90_U6MM36
UniRef90_F6H8Y9
UniRef90_Q0H7S6
UniRef90_UPI0001B4684E
UniRef90_J9J5E8
UniRef90_F2SRH7
UniRef90_U6HHE0
UniRef90_T1J6F1
UniRef90_A0A059CYM2
UniRef90_I2JVH4
UniRef90_B1A0T4
UniRef90_H3D237
UniRef90_J9JME1
UniRef90_L8X390
UniRef90_A0A038GJE5
UniRef90_U1GWN8
UniRef90_S3CY31
UniRef90_G4V780
UniRef90_E9UZA8
UniRef90_B6GX70
UniRef90_E3J791
UniRef90_B0W5G0
UniRef90_UPI00035A053B
UniRef90_UPI000288462A
UniRef90_X2CQ79
UniRef90_P18905
UniRef90_A1Z9E3
UniRef90_C3YG46
UniRef90_I0HDC2
UniRef90_G6D213
UniRef90_K7IZ29
UniRef90_Q2GD83
UniRef90_X0MZX9
UniRef90_J4GUS3
UniRef90_T1PZJ2
UniRef90_A0A023FY52
UniRef90_C1C2Y5
UniRef90_UPI000367898C
UniRef90_A0EFI6
UniRef90_D7N852
UniRef90_B7P0L0
UniRef90_T1HMS7
UniRef90_UPI0002E17ECF
UniRef90_V4A9K8
UniRef90_Q9EZX9
UniRef90_V9D5E4
UniRef90_I7MGI2
UniRef90_Q8M9W7
UniRef90_A5X485
UniRef90_J9K1I1
UniRef90_C1C2Q5
UniRef90_W8BJV6
UniRef90_UPI00021A7B7B
UniRef90_D6WPW8
UniRef90_Q5BEE6
UniRef90_U5EXC4
UniRef90_U3LNS1
UniRef90_R7JQ32
UniRef90_E2PU28
UniRef90_H3EZP1
UniRef90_K7IZG6
UniRef90_H2ZEC1
UniRef90_G4RCP9
UniRef90_G0U488
UniRef90_UPI0002FDDF21
UniRef90_H9KN87
UniRef90_W6KI62
UniRef90_Q0EEG2
UniRef90_S9V548
UniRef90_C9ZZV6
UniRef90_E5SDC5
UniRef90_I1CQD1

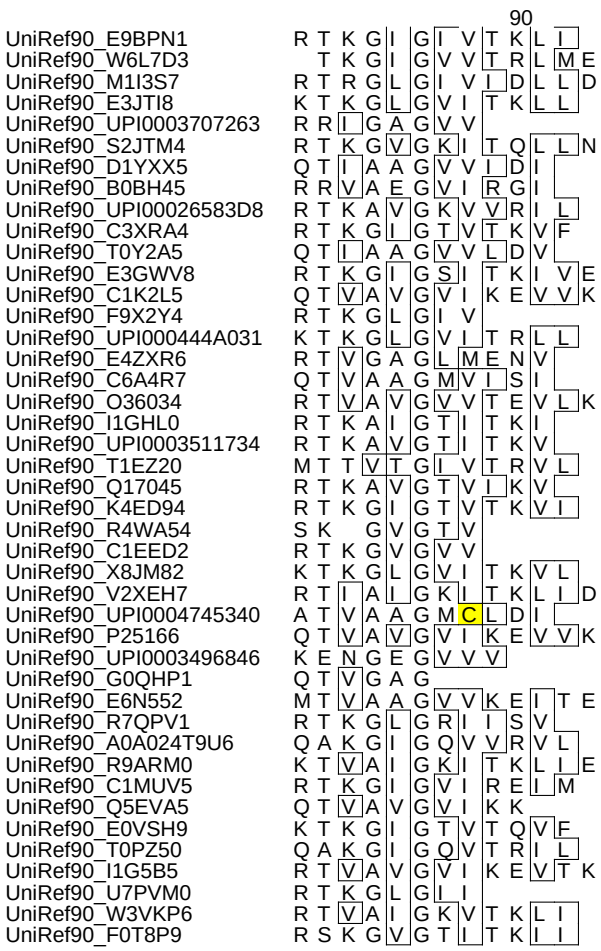

1
10
20
30
40
UniRef90_T1KAF0
UniRef90_D4MUH8
UniRef90_K1P2A2
UniRef90_S2M3F6
UniRef90_Q2BPJ9
UniRef90_U1KVS1
UniRef90_UPI00026599AF
UniRef90_W2UZ35
UniRef90_J0DNN7
UniRef90_K1U8Y7
UniRef90_J9FR65
UniRef90_E5RYE7
UniRef90_D1MWP6
UniRef90_D1MWK5
UniRef90_R7FK08
UniRef90_P42478
UniRef90_T1K3B9
UniRef90_W4FMV1
UniRef90_S8C431
UniRef90_M3B6R8
UniRef90_UPI0004416F25
UniRef90_H3E9X6
UniRef90_B7U4Z8
UniRef90_X6E2C7
UniRef90_V1NPS6
UniRef90_UPI0003B7263B
UniRef90_Q0EEG3
UniRef90_X2MWH8
UniRef90_D1MWK4
UniRef90_D1MWK3
UniRef90_G5EDF5
UniRef90_A7BNY6
UniRef90_D1MWM3
UniRef90_UPI0003B7B1F7
UniRef90_Q0KKX0
UniRef90_A0A016VKC5
UniRef90_Q2MHP0
UniRef90_I1VXP2
UniRef90_B6W6Z6
UniRef90_X0WNV6
UniRef90_UPI000363848E
UniRef90_Q69B00
UniRef90_K2L7X5
UniRef90_F4YWS6
UniRef90_Q02BP9
UniRef90_A0A017H1K9
UniRef90_A0A011Q3S0
UniRef90_K9MHQ1
UniRef90_A8UWM3
UniRef90_T0P5W8
UniRef90_UPI00036CCD03
UniRef90_X1NYF6
UniRef90_UPI00016C3D7B
UniRef90_UPI0001913D38
UniRef90_W0S262
UniRef90_V5JV24
UniRef90_K4K1V8
UniRef90_K2BAB9
UniRef90_W4TZY5
UniRef90_UPI00036B0397
UniRef90_X5FD73
UniRef90_L8EM35
UniRef90_G2GHL4
UniRef90_Q49K91
UniRef90_X6NCV6
UniRef90_H6TI59
UniRef90_D7N762
UniRef90_U4VIC1
UniRef90_D3UAJ8
UniRef90_Q11XJ8
UniRef90_Q8KMQ6
UniRef90_W2TZV0
UniRef90_C5KAG3
UniRef90_E6N9Q0
UniRef90_Q9BAB4
UniRef90_B0M2B7
UniRef90_E4NPX0
UniRef90_I3R7R9
UniRef90_R6LWF0
UniRef90_B9EPC4
UniRef90_B0BJM0
UniRef90_B4XVL9
UniRef90_E9UXV9
UniRef90_UPI00016C44FA
UniRef90_X1JVT8
UniRef90_I7C6Y4
UniRef90_M7XKY1
UniRef90_C7P4A5
UniRef90_A0A021WEE7
UniRef90_UPI0003C426E5
UniRef90_E7QZW5
UniRef90_W0K0L9


50
60
70
80
UniRef90_T1KAF0
UniRef90_D4MUH8
UniRef90_K1P2A2
UniRef90_S2M3F6
UniRef90_Q2BPJ9
UniRef90_U1KVS1
UniRef90_UPI00026599AF
UniRef90_W2UZ35
UniRef90_J0DNN7
UniRef90_K1U8Y7
UniRef90_J9FR65
UniRef90_E5RYE7
UniRef90_D1MWP6
UniRef90_D1MWK5
UniRef90_R7FK08
UniRef90_P42478
UniRef90_T1K3B9
UniRef90_W4FMV1
UniRef90_S8C431
UniRef90_M3B6R8
UniRef90_UPI0004416F25
UniRef90_H3E9X6
UniRef90_B7U4Z8
UniRef90_X6E2C7
UniRef90_V1NPS6
UniRef90_UPI0003B7263B
UniRef90_Q0EEG3
UniRef90_X2MWH8
UniRef90_D1MWK4
UniRef90_D1MWK3
UniRef90_G5EDF5
UniRef90_A7BNY6
UniRef90_D1MWM3
UniRef90_UPI0003B7B1F7
UniRef90_Q0KKX0
UniRef90_A0A016VKC5
UniRef90_Q2MHP0
UniRef90_I1VXP2
UniRef90_B6W6Z6
UniRef90_X0WNV6
UniRef90_UPI000363848E
UniRef90_Q69B00
UniRef90_K2L7X5
UniRef90_F4YWS6
UniRef90_Q02BP9
UniRef90_A0A017H1K9
UniRef90_A0A011Q3S0
UniRef90_K9MHQ1
UniRef90_A8UWM3
UniRef90_T0P5W8
UniRef90_UPI00036CCD03
UniRef90_X1NYF6
UniRef90_UPI00016C3D7B
UniRef90_UPI0001913D38
UniRef90_W0S262
UniRef90_V5JV24
UniRef90_K4K1V8
UniRef90_K2BAB9
UniRef90_W4TZY5
UniRef90_UPI00036B0397
UniRef90_X5FD73
UniRef90_L8EM35
UniRef90_G2GHL4
UniRef90_Q49K91
UniRef90_X6NCV6
UniRef90_H6TI59
UniRef90_D7N762
UniRef90_U4VIC1
UniRef90_D3UAJ8
UniRef90_Q11XJ8
UniRef90_Q8KMQ6
UniRef90_W2TZV0
UniRef90_C5KAG3
UniRef90_E6N9Q0
UniRef90_Q9BAB4
UniRef90_B0M2B7
UniRef90_E4NPX0
UniRef90_I3R7R9
UniRef90_R6LWF0
UniRef90_B9EPC4
UniRef90_B0BJM0
UniRef90_B4XVL9
UniRef90_E9UXV9
UniRef90_UPI00016C44FA
UniRef90_X1JVT8
UniRef90_I7C6Y4
UniRef90_M7XKY1
UniRef90_C7P4A5
UniRef90_A0A021WEE7
UniRef90_UPI0003C426E5
UniRef90_E7QZW5
UniRef90_W0K0L9

```
                                                  90
UniRef90_T1KAF0          F T L A T G V I T E V L
UniRef90_D4MUH8          C T V G L G R I S T I I E
UniRef90_K1P2A2          N T V G Y G V V T K I M D
UniRef90_S2M3F6
UniRef90_Q2BPJ9          R T V G K G V I T K I I E
UniRef90_U1KVS1          Q I V G V G H V T D T F D
UniRef90_UPI00026599AF   V T L A S G K I T G I L
UniRef90_W2UZ35          R T V G S G S I I E V L
UniRef90_J0DNN7          V T I G T G V F T K L
UniRef90_K1U8Y7
UniRef90_J9FR65
UniRef90_E5RYE7          S T I V R G V V T S L F N
UniRef90_D1MWP6
UniRef90_D1MWK5
UniRef90_R7FK08          K T I G S G V I T H L H E
UniRef90_P42478
UniRef90_T1K3B9          V T Y G T G V I V D
UniRef90_W4FMV1          L D V G V G V V T N L
UniRef90_S8C431
UniRef90_M3B6R8          R T V G T G T V T A V
UniRef90_UPI0004416F25
UniRef90_H3E9X6          Q T I A R G L I
UniRef90_B7U4Z8
UniRef90_X6E2C7          R T V G A G I V V T I K E
UniRef90_V1NPS6
UniRef90_UPI0003B7263B   V R I G F G V V T G V
UniRef90_Q0EEG3          T T I A C G I F L E
UniRef90_X2MWH8          R T V G A G V V A K V L
UniRef90_D1MWK4
UniRef90_D1MWK3
UniRef90_G5EDF5          T T I A R G I I S D L
UniRef90_A7BNY6          R T V G A G V V S K I I E
UniRef90_D1MWM3
UniRef90_UPI0003B7B1F7
UniRef90_Q0KKX0          R T I A R G I I T E M M
UniRef90_A0A016VKC5      Q T I A R G I V S E L L
UniRef90_Q2MHP0
UniRef90_I1VXP2
UniRef90_B6W6Z6
UniRef90_X0WNV6          R T V G A G V V T K I T K
UniRef90_UPI000363848E   R V I G F A K V T K I F N
UniRef90_Q69B00
UniRef90_K2L7X5          R T V G A G V V A K I I E
UniRef90_F4YWS6
UniRef90_Q02BP9          R V V G Y G K I T R L L E
UniRef90_A0A017H1K9
UniRef90_A0A011Q3S0      R T V G A G V V A K I I E
UniRef90_K9MHQ1
UniRef90_A8UWM3          R T V G A G V V T E I L D
UniRef90_T0P5W8          R I I G T G K I V K I M N
UniRef90_UPI00036CCD03   R V V G Y A E I T N V F N
UniRef90_X1NYF6          K T V G A G V V T K I V K
UniRef90_UPI00016C3D7B   K T V G S G V V S E V L E
UniRef90_UPI0001913D38
UniRef90_W0S262
UniRef90_V5JV24
UniRef90_K4K1V8
UniRef90_K2BAB9          K T V G A G V A T K I I K
UniRef90_W4TZY5
UniRef90_UPI00036B0397   R I I G T G T I T K I I N
UniRef90_X5FD73
UniRef90_L8EM35          R A A G S G T V T R L L
UniRef90_G2GHL4          R T V G A G T V T
UniRef90_Q49K91
UniRef90_X6NCV6          Q T I G Y G T I L D A V E
UniRef90_H6TI59
UniRef90_D7N762          R T V A S G V V S K I I E
UniRef90_U4VIC1          R T V G A G I V S S I I E
UniRef90_D3UAJ8
UniRef90_Q11XJ8          N T I G F G K V L E I I N
UniRef90_Q8KMQ6
UniRef90_W2TZV0
UniRef90_C5KAG3
UniRef90_E6N9Q0          K T K G I G V V T K I L E
UniRef90_Q9BAB4
UniRef90_B0M2B7
UniRef90_E4NPX0          S K   G V G T V T E I H E
UniRef90_I3R7R9          R S K G V G T V T K V
UniRef90_R6LWF0          K K V G K G L V S D
UniRef90_B9EPC4          K T I G T G L V T D I L
UniRef90_B0BJM0          H L V A H G V I V N V I N
UniRef90_B4XVL9
UniRef90_E9UXV9
UniRef90_UPI00016C44FA   R R V A E G V V T R I
UniRef90_X1JVT8
UniRef90_I7C6Y4
UniRef90_M7XKY1          R T K A L G V V T R L L
UniRef90_C7P4A5          R S K G V G T I T S V
UniRef90_A0A021WEE7      R R V A T A T V V E V F N
UniRef90_UPI0003C426E5   R T I G T G L V T D
UniRef90_E7QZW5          Q S K G V G T V T D V
UniRef90_W0K0L9          S K   G V G T V T S V P E
```


1
10
20
30
40
UniRef90_E9BPN1
UniRef90_W6L7D3
UniRef90_M1I3S7
UniRef90_E3JTI8
UniRef90_UPI0003707263
UniRef90_S2JTM4
UniRef90_D1YXX5
UniRef90_B0BH45
UniRef90_UPI00026583D8
UniRef90_C3XRA4
UniRef90_T0Y2A5
UniRef90_E3GWV8
UniRef90_C1K2L5
UniRef90_F9X2Y4
UniRef90_UPI000444A031
UniRef90_E4ZXR6
UniRef90_C6A4R7
UniRef90_O36034
UniRef90_I1GHL0
UniRef90_UPI0003511734
UniRef90_T1EZ20
UniRef90_Q17045
UniRef90_K4ED94
UniRef90_R4WA54
UniRef90_C1EED2
UniRef90_X8JM82
UniRef90_V2XEH7
UniRef90_UPI0004745340
UniRef90_P25166
UniRef90_UPI0003496846
UniRef90_G0QHP1
UniRef90_E6N552
UniRef90_R7QPV1
UniRef90_A0A024T9U6
UniRef90_R9ARM0
UniRef90_C1MUV5
UniRef90_Q5EVA5
UniRef90_E0VSH9
UniRef90_T0PZ50
UniRef90_I1G5B5
UniRef90_U7PVM0
UniRef90_W3VKP6
UniRef90_F0T8P9
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


50
60
70
80
UniRef90_E9BPN1
UniRef90_W6L7D3
UniRef90_M1I3S7
UniRef90_E3JTI8
UniRef90_UPI0003707263
UniRef90_S2JTM4
UniRef90_D1YXX5
UniRef90_B0BH45
UniRef90_UPI00026583D8
UniRef90_C3XRA4
UniRef90_T0Y2A5
UniRef90_E3GWV8
UniRef90_C1K2L5
UniRef90_F9X2Y4
UniRef90_UPI000444A031
UniRef90_E4ZXR6
UniRef90_C6A4R7
UniRef90_O36034
UniRef90_I1GHL0
UniRef90_UPI0003511734
UniRef90_T1EZ20
UniRef90_Q17045
UniRef90_K4ED94
UniRef90_R4WA54
UniRef90_C1EED2
UniRef90_X8JM82
UniRef90_V2XEH7
UniRef90_UPI0004745340
UniRef90_P25166
UniRef90_UPI0003496846
UniRef90_G0QHP1
UniRef90_E6N552
UniRef90_R7QPV1
UniRef90_A0A024T9U6
UniRef90_R9ARM0
UniRef90_C1MUV5
UniRef90_Q5EVA5
UniRef90_E0VSH9
UniRef90_T0PZ50
UniRef90_I1G5B5
UniRef90_U7PVM0
UniRef90_W3VKP6
UniRef90_F0T8P9
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


90
UniRef90_E9BPN1 R T K G I G I V T K L I
UniRef90_W6L7D3 T K G I G V V T R L M E
UniRef90_M1I3S7 R T R G L G I V I D L L D
UniRef90_E3JTI8 K T K G L G V I T K L L
UniRef90_UPI0003707263 R R I G A G V V
UniRef90_S2JTM4 R T K G V G K I T Q L L N
UniRef90_D1YXX5 Q T I A A G V V I D I
UniRef90_B0BH45 R R V A E G V I R G I
UniRef90_UPI00026583D8 R T K A V G K V V R I L
UniRef90_C3XRA4 R T K G I G T V T K V F
UniRef90_T0Y2A5 Q T I A A G V V L D V
UniRef90_E3GWV8 R T K G I G S I T K I V E
UniRef90_C1K2L5 Q T V A V G V I K E V V K
UniRef90_F9X2Y4 R T K G L G I V
UniRef90_UPI000444A031 K T K G L G V I T R L L
UniRef90_E4ZXR6 R T V G A G L M E N V
UniRef90_C6A4R7 Q T V A A G M V I S I
UniRef90_O36034 R T V A V G V V T E V L K
UniRef90_I1GHL0 R T K A I G T I T K I
UniRef90_UPI0003511734 R T K A V G T I T K V
UniRef90_T1EZ20 M T T V T G I V T R V L
UniRef90_Q17045 R T K A V G T V I K V
UniRef90_K4ED94 R T K G I G T V T K V I
UniRef90_R4WA54 S K G V G T V
UniRef90_C1EED2 R T K G V G V V
UniRef90_X8JM82 K T K G L G V I T K V L
UniRef90_V2XEH7 R T I A I G K I T K L I D
UniRef90_UPI0004745340 A T V A A G M C L D I
UniRef90_P25166 Q T V A V G V I K E V V K
UniRef90_UPI0003496846 K E N G E G V V V
UniRef90_G0QHP1 Q T V G A G
UniRef90_E6N552 M T V A A G V V K E I T E
UniRef90_R7QPV1 R T K G L G R I I S V
UniRef90_A0A024T9U6 Q A K G I G Q V V R V L
UniRef90_R9ARM0 K T V A I G K I T K L I E
UniRef90_C1MUV5 R T K G I G V I R E I M
UniRef90_Q5EVA5 Q T V A V G V I K K
UniRef90_E0VSH9 K T K G I G T V T Q V F
UniRef90_T0PZ50 Q A K G I G Q V T R I L
UniRef90_I1G5B5 R T V A V G V I K E V T K
UniRef90_U7PVM0 R T K G L G I I
UniRef90_W3VKP6 R T V A I G K V T K L I
UniRef90_F0T8P9 R S K G V G T I T K I I
lupas_21
lupas_14
lupas_28
jnet
conf 0 5 8 9 9 9 9 9 8 2 1 8 9
sol25 B B B B B B B B B
sol5 B B B
sol0 B
jhmm
jpssm