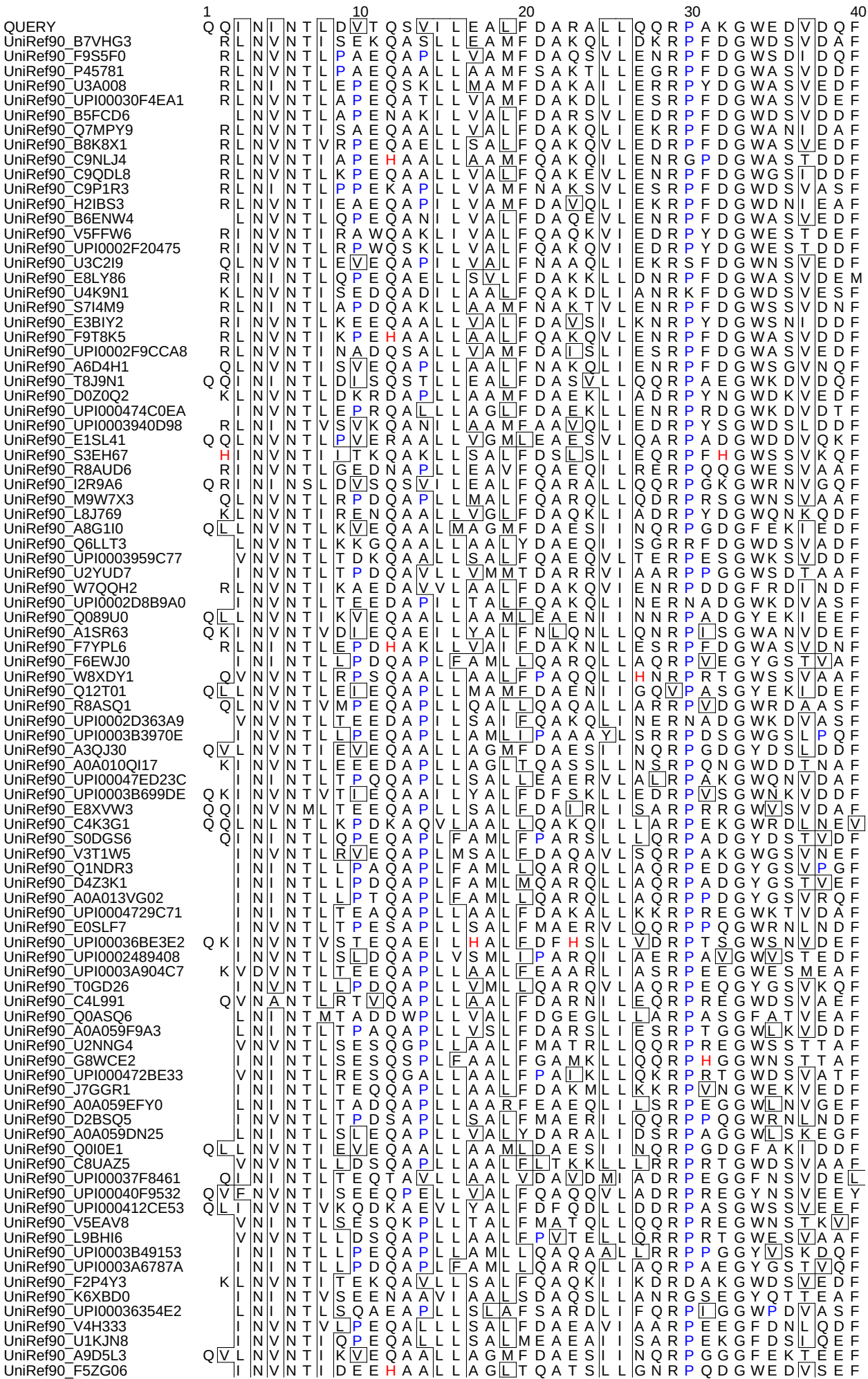
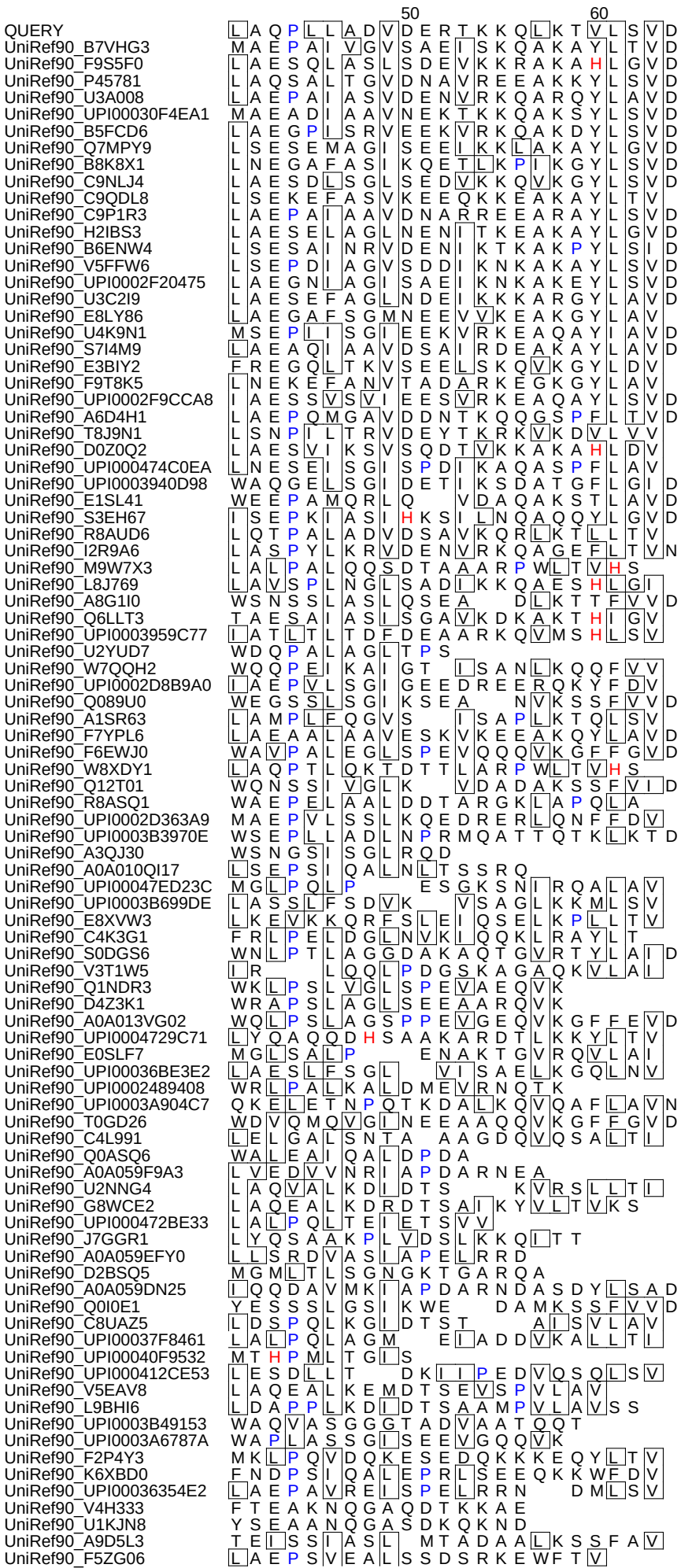
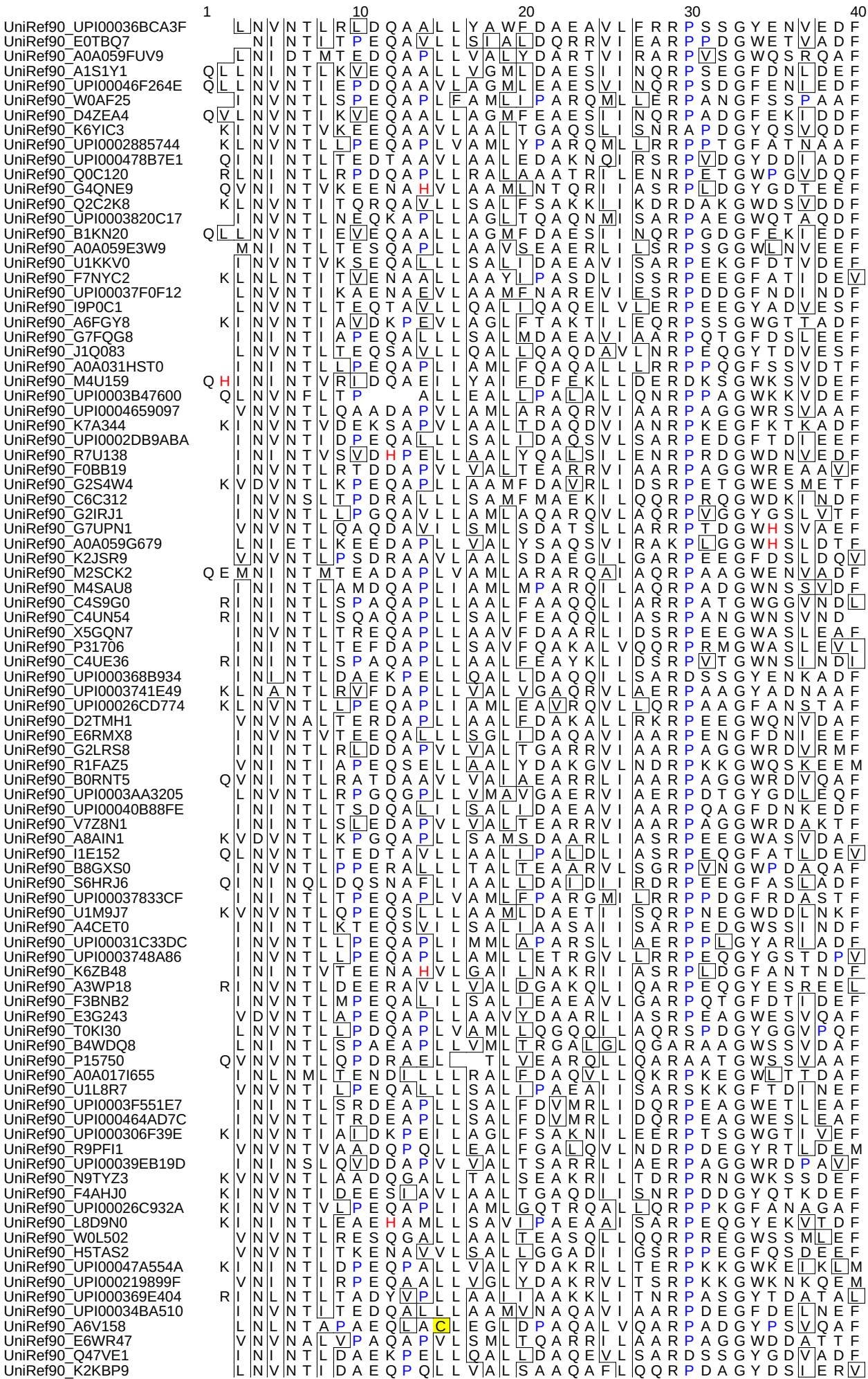
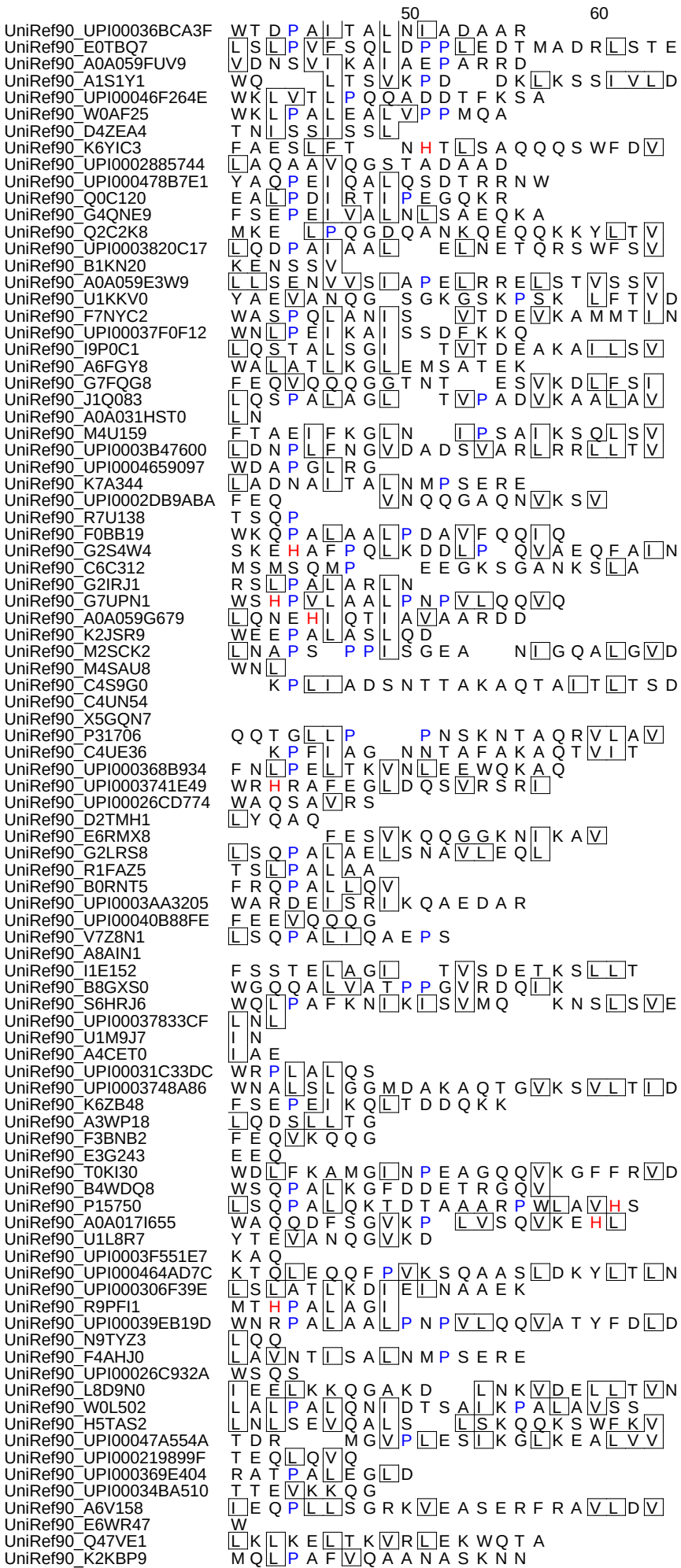
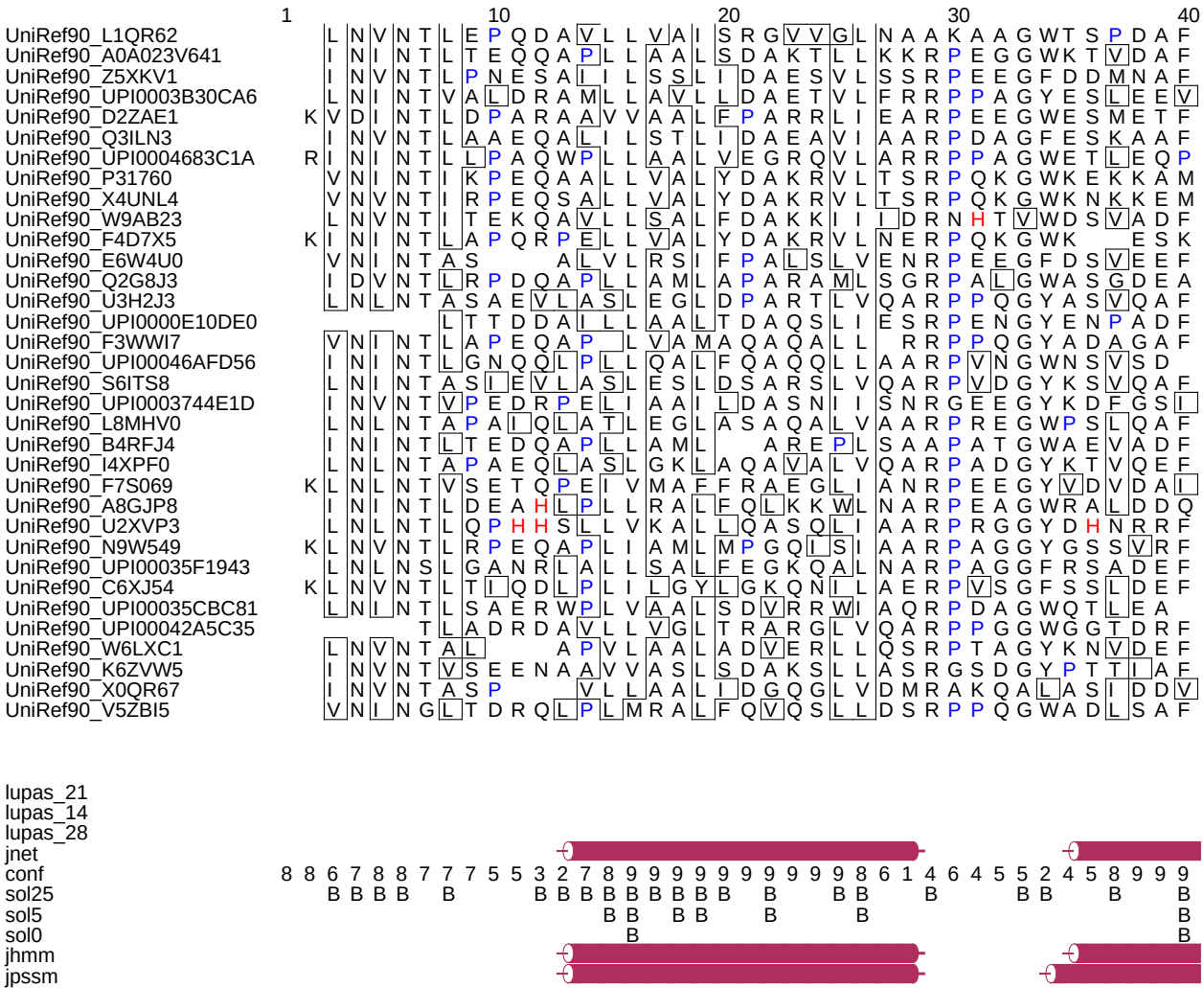
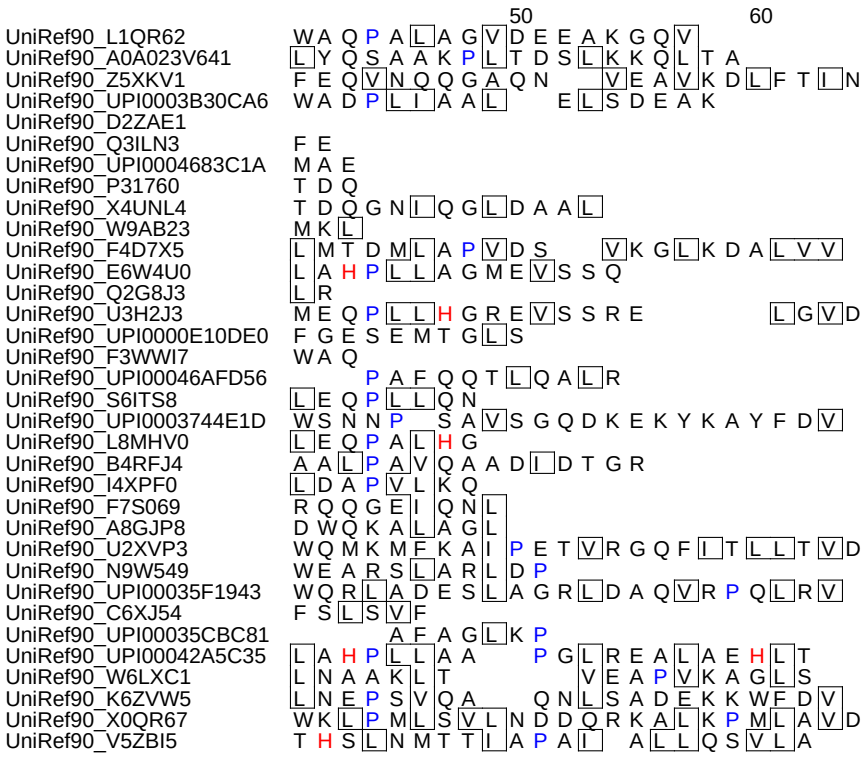

1
10
20
30
40
QUERY
UniRef90_B7VHG3
UniRef90_F9S5F0
UniRef90_P45781
UniRef90_U3A008
UniRef90_UPI00030F4EA1
UniRef90_B5FCD6
UniRef90_Q7MPY9
UniRef90_B8K8X1
UniRef90_C9NLJ4
UniRef90_C9QDL8
UniRef90_C9P1R3
UniRef90_H2IBS3
UniRef90_B6ENW4
UniRef90_V5FFW6
UniRef90_UPI0002F20475
UniRef90_U3C2I9
UniRef90_E8LY86
UniRef90_U4K9N1
UniRef90_S7I4M9
UniRef90_E3BIY2
UniRef90_F9T8K5
UniRef90_UPI0002F9CCA8
UniRef90_A6D4H1
UniRef90_T8J9N1
UniRef90_D0Z0Q2
UniRef90_UPI000474C0EA
UniRef90_UPI0003940D98
UniRef90_E1SL41
UniRef90_S3EH67
UniRef90_R8AUD6
UniRef90_I2R9A6
UniRef90_M9W7X3
UniRef90_L8J769
UniRef90_A8G1I0
UniRef90_Q6LLT3
UniRef90_UPI0003959C77
UniRef90_U2YUD7
UniRef90_W7QQH2
UniRef90_UPI0002D8B9A0
UniRef90_Q089U0
UniRef90_A1SR63
UniRef90_F7YPL6
UniRef90_F6EWJ0
UniRef90_W8XDY1
UniRef90_Q12T01
UniRef90_R8ASQ1
UniRef90_UPI0002D363A9
UniRef90_UPI0003B3970E
UniRef90_A3QJ30
UniRef90_A0A010QI17
UniRef90_UPI00047ED23C
UniRef90_UPI0003B699DE
UniRef90_E8XVW3
UniRef90_C4K3G1
UniRef90_S0DGS6
UniRef90_V3T1W5
UniRef90_Q1NDR3
UniRef90_D4Z3K1
UniRef90_A0A013VG02
UniRef90_UPI0004729C71
UniRef90_E0SLF7
UniRef90_UPI00036BE3E2
UniRef90_UPI0002489408
UniRef90_UPI0003A904C7
UniRef90_T0GD26
UniRef90_C4L991
UniRef90_Q0ASQ6
UniRef90_A0A059F9A3
UniRef90_U2NNG4
UniRef90_G8WCE2
UniRef90_UPI000472BE33
UniRef90_J7GGR1
UniRef90_A0A059EFY0
UniRef90_D2BSQ5
UniRef90_A0A059DN25
UniRef90_Q0I0E1
UniRef90_C8UAZ5
UniRef90_UPI00037F8461
UniRef90_UPI00040F9532
UniRef90_UPI000412CE53
UniRef90_V5EAV8
UniRef90_L9BHI6
UniRef90_UPI0003B49153
UniRef90_UPI0003A6787A
UniRef90_F2P4Y3
UniRef90_K6XBD0
UniRef90_UPI00036354E2
UniRef90_V4H333
UniRef90_U1KJN8
UniRef90_A9D5L3
UniRef90_F5ZG06


50
60
QUERY
UniRef90_B7VHG3
UniRef90_F9S5F0
UniRef90_P45781
UniRef90_U3A008
UniRef90_UPI00030F4EA1
UniRef90_B5FCD6
UniRef90_Q7MPY9
UniRef90_B8K8X1
UniRef90_C9NLJ4
UniRef90_C9QDL8
UniRef90_C9P1R3
UniRef90_H2IBS3
UniRef90_B6ENW4
UniRef90_V5FFW6
UniRef90_UPI0002F20475
UniRef90_U3C2I9
UniRef90_E8LY86
UniRef90_U4K9N1
UniRef90_S7I4M9
UniRef90_E3BIY2
UniRef90_F9T8K5
UniRef90_UPI0002F9CCA8
UniRef90_A6D4H1
UniRef90_T8J9N1
UniRef90_D0Z0Q2
UniRef90_UPI000474C0EA
UniRef90_UPI0003940D98
UniRef90_E1SL41
UniRef90_S3EH67
UniRef90_R8AUD6
UniRef90_I2R9A6
UniRef90_M9W7X3
UniRef90_L8J769
UniRef90_A8G1I0
UniRef90_Q6LLT3
UniRef90_UPI0003959C77
UniRef90_U2YUD7
UniRef90_W7QQH2
UniRef90_UPI0002D8B9A0
UniRef90_Q089U0
UniRef90_A1SR63
UniRef90_F7YPL6
UniRef90_F6EWJ0
UniRef90_W8XDY1
UniRef90_Q12T01
UniRef90_R8ASQ1
UniRef90_UPI0002D363A9
UniRef90_UPI0003B3970E
UniRef90_A3QJ30
UniRef90_A0A010QI17
UniRef90_UPI00047ED23C
UniRef90_UPI0003B699DE
UniRef90_E8XVW3
UniRef90_C4K3G1
UniRef90_S0DGS6
UniRef90_V3T1W5
UniRef90_Q1NDR3
UniRef90_D4Z3K1
UniRef90_A0A013VG02
UniRef90_UPI0004729C71
UniRef90_E0SLF7
UniRef90_UPI00036BE3E2
UniRef90_UPI0002489408
UniRef90_UPI0003A904C7
UniRef90_T0GD26
UniRef90_C4L991
UniRef90_Q0ASQ6
UniRef90_A0A059F9A3
UniRef90_U2NNG4
UniRef90_G8WCE2
UniRef90_UPI000472BE33
UniRef90_J7GGR1
UniRef90_A0A059EFY0
UniRef90_D2BSQ5
UniRef90_A0A059DN25
UniRef90_Q0I0E1
UniRef90_C8UAZ5
UniRef90_UPI00037F8461
UniRef90_UPI00040F9532
UniRef90_UPI000412CE53
UniRef90_V5EAV8
UniRef90_L9BHI6
UniRef90_UPI0003B49153
UniRef90_UPI0003A6787A
UniRef90_F2P4Y3
UniRef90_K6XBD0
UniRef90_UPI00036354E2
UniRef90_V4H333
UniRef90_U1KJN8
UniRef90_A9D5L3
UniRef90_F5ZG06


1
10
20
30
40
UniRef90_UPI00036BCA3F
UniRef90_E0TBQ7
UniRef90_A0A059FUV9
UniRef90_A1S1Y1
UniRef90_UPI00046F264E
UniRef90_W0AF25
UniRef90_D4ZEA4
UniRef90_K6YIC3
UniRef90_UPI0002885744
UniRef90_UPI000478B7E1
UniRef90_Q0C120
UniRef90_G4QNE9
UniRef90_Q2C2K8
UniRef90_UPI0003820C17
UniRef90_B1KN20
UniRef90_A0A059E3W9
UniRef90_U1KKV0
UniRef90_F7NYC2
UniRef90_UPI00037F0F12
UniRef90_I9P0C1
UniRef90_A6FGY8
UniRef90_G7FQG8
UniRef90_J1Q083
UniRef90_A0A031HST0
UniRef90_M4U159
UniRef90_UPI0003B47600
UniRef90_UPI0004659097
UniRef90_K7A344
UniRef90_UPI0002DB9ABA
UniRef90_R7U138
UniRef90_F0BB19
UniRef90_G2S4W4
UniRef90_C6C312
UniRef90_G2IRJ1
UniRef90_G7UPN1
UniRef90_A0A059G679
UniRef90_K2JSR9
UniRef90_M2SCK2
UniRef90_M4SAU8
UniRef90_C4S9G0
UniRef90_C4UN54
UniRef90_X5GQN7
UniRef90_P31706
UniRef90_C4UE36
UniRef90_UPI000368B934
UniRef90_UPI0003741E49
UniRef90_UPI00026CD774
UniRef90_D2TMH1
UniRef90_E6RMX8
UniRef90_G2LRS8
UniRef90_R1FAZ5
UniRef90_B0RNT5
UniRef90_UPI0003AA3205
UniRef90_UPI00040B88FE
UniRef90_V7Z8N1
UniRef90_A8AIN1
UniRef90_I1E152
UniRef90_B8GXS0
UniRef90_S6HRJ6
UniRef90_UPI00037833CF
UniRef90_U1M9J7
UniRef90_A4CET0
UniRef90_UPI00031C33DC
UniRef90_UPI0003748A86
UniRef90_K6ZB48
UniRef90_A3WP18
UniRef90_F3BNB2
UniRef90_E3G243
UniRef90_T0KI30
UniRef90_B4WDQ8
UniRef90_P15750
UniRef90_A0A017I655
UniRef90_U1L8R7
UniRef90_UPI0003F551E7
UniRef90_UPI000464AD7C
UniRef90_UPI000306F39E
UniRef90_R9PFI1
UniRef90_UPI00039EB19D
UniRef90_N9TYZ3
UniRef90_F4AHJ0
UniRef90_UPI00026C932A
UniRef90_L8D9N0
UniRef90_W0L502
UniRef90_H5TAS2
UniRef90_UPI00047A554A
UniRef90_UPI000219899F
UniRef90_UPI000369E404
UniRef90_UPI00034BA510
UniRef90_A6V158
UniRef90_E6WR47
UniRef90_Q47VE1
UniRef90_K2KBP9


50
60
UniRef90_UPI00036BCA3F
UniRef90_E0TBQ7
UniRef90_A0A059FUV9
UniRef90_A1S1Y1
UniRef90_UPI00046F264E
UniRef90_W0AF25
UniRef90_D4ZEA4
UniRef90_K6YIC3
UniRef90_UPI0002885744
UniRef90_UPI000478B7E1
UniRef90_Q0C120
UniRef90_G4QNE9
UniRef90_Q2C2K8
UniRef90_UPI0003820C17
UniRef90_B1KN20
UniRef90_A0A059E3W9
UniRef90_U1KKV0
UniRef90_F7NYC2
UniRef90_UPI00037F0F12
UniRef90_I9P0C1
UniRef90_A6FGY8
UniRef90_G7FQG8
UniRef90_J1Q083
UniRef90_A0A031HST0
UniRef90_M4U159
UniRef90_UPI0003B47600
UniRef90_UPI0004659097
UniRef90_K7A344
UniRef90_UPI0002DB9ABA
UniRef90_R7U138
UniRef90_F0BB19
UniRef90_G2S4W4
UniRef90_C6C312
UniRef90_G2IRJ1
UniRef90_G7UPN1
UniRef90_A0A059G679
UniRef90_K2JSR9
UniRef90_M2SCK2
UniRef90_M4SAU8
UniRef90_C4S9G0
UniRef90_C4UN54
UniRef90_X5GQN7
UniRef90_P31706
UniRef90_C4UE36
UniRef90_UPI000368B934
UniRef90_UPI0003741E49
UniRef90_UPI00026CD774
UniRef90_D2TMH1
UniRef90_E6RMX8
UniRef90_G2LRS8
UniRef90_R1FAZ5
UniRef90_B0RNT5
UniRef90_UPI0003AA3205
UniRef90_UPI00040B88FE
UniRef90_V7Z8N1
UniRef90_A8AIN1
UniRef90_I1E152
UniRef90_B8GXS0
UniRef90_S6HRJ6
UniRef90_UPI00037833CF
UniRef90_U1M9J7
UniRef90_A4CET0
UniRef90_UPI00031C33DC
UniRef90_UPI0003748A86
UniRef90_K6ZB48
UniRef90_A3WP18
UniRef90_F3BNB2
UniRef90_E3G243
UniRef90_T0KI30
UniRef90_B4WDQ8
UniRef90_P15750
UniRef90_A0A017I655
UniRef90_U1L8R7
UniRef90_UPI0003F551E7
UniRef90_UPI000464AD7C
UniRef90_UPI000306F39E
UniRef90_R9PFI1
UniRef90_UPI00039EB19D
UniRef90_N9TYZ3
UniRef90_F4AHJ0
UniRef90_UPI00026C932A
UniRef90_L8D9N0
UniRef90_W0L502
UniRef90_H5TAS2
UniRef90_UPI00047A554A
UniRef90_UPI00219899F
UniRef90_UPI000369E404
UniRef90_UPI00034BA510
UniRef90_A6V158
UniRef90_E6WR47
UniRef90_Q47VE1
UniRef90_K2KBP9


1
10
20
30
40
UniRef90_L1QR62
UniRef90_A0A023V641
UniRef90_Z5XKV1
UniRef90_UPI0003B30CA6
UniRef90_D2ZAE1
UniRef90_Q3ILN3
UniRef90_UPI0004683C1A
UniRef90_P31760
UniRef90_X4UNL4
UniRef90_W9AB23
UniRef90_F4D7X5
UniRef90_E6W4U0
UniRef90_Q2G8J3
UniRef90_U3H2J3
UniRef90_UPI0000E10DE0
UniRef90_F3WWI7
UniRef90_UPI00046AFD56
UniRef90_S6ITS8
UniRef90_UPI0003744E1D
UniRef90_L8MHV0
UniRef90_B4RFJ4
UniRef90_I4XPF0
UniRef90_F7S069
UniRef90_A8GJP8
UniRef90_U2XVP3
UniRef90_N9W549
UniRef90_UPI00035F1943
UniRef90_C6XJ54
UniRef90_UPI00035CBC81
UniRef90_UPI00042A5C35
UniRef90_W6LXC1
UniRef90_K6ZVW5
UniRef90_X0QR67
UniRef90_V5ZBI5
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


50
60
UniRef90_L1QR62 W A Q P A L A G V D E E A K G Q V
UniRef90_A0A023V641 L Y Q S A A K P L T D S L K K Q L T A
UniRef90_Z5XKV1 F E Q V N Q Q G A Q N V E A V K D L F T I N
UniRef90_UPI0003B30CA6 W A D P L I A A L E L S D E A K
UniRef90_D2ZAE1
UniRef90_Q3ILN3 F E
UniRef90_UPI0004683C1A M A E
UniRef90_P31760 T D Q
UniRef90_X4UNL4 T D Q G N I Q G L D A A L
UniRef90_W9AB23 M K L
UniRef90_F4D7X5 L M T D M L A P V D S V K G L K D A L V V
UniRef90_E6W4U0 L A H P L L A G M E V S S Q
UniRef90_Q2G8J3 L R
UniRef90_U3H2J3 M E Q P L L H G R E V S S R E L G V D
UniRef90_UPI0000E10DE0 F G E S E M T G L S
UniRef90_F3WWI7 W A Q
UniRef90_UPI00046AFD56 P A F Q Q T L Q A L R
UniRef90_S6ITS8 L E Q P L L Q N
UniRef90_UPI0003744E1D W S N N P S A V S G Q D K E K Y K A Y F D V
UniRef90_L8MHV0 L E Q P A L H G
UniRef90_B4RFJ4 A A L P A V Q A A D I D T G R
UniRef90_I4XPF0 L D A P V L K Q
UniRef90_F7S069 R Q Q G E I Q N L
UniRef90_A8GJP8 D W Q K A L A G L
UniRef90_U2XVP3 W Q M K M F K A I P E T V R G Q F I T L L T V D
UniRef90_N9W549 W E A R S L A R L D P
UniRef90_UPI00035F1943 W Q R L A D E S L A G R L D A Q V R P Q L R V
UniRef90_C6XJ54 F S L S V F
UniRef90_UPI00035CBC81 A F A G L K P
UniRef90_UPI00042A5C35 L A H P L L A A P G L R E A L A E H L T
UniRef90_W6LXC1 L N A A K L T V E A P V K A G L S
UniRef90_K6ZVW5 L N E P S V Q A Q N L S A D E K K W F D V
UniRef90_X0QR67 W K L P M L S V L N D D Q R K A L K P M L A V D
UniRef90_V5ZBI5 T H S L N M T T I A P A I A L L Q S V L A
lupas_21
lupas_14
lupas_28
jnet
conf 8 6 0 1 2 4 6 7 7 4 6 8 9 9 9 9 8 7 3 3 8 9 9
sol25 B B B B B B B
sol5 B
sol0
jhmm
jpssm