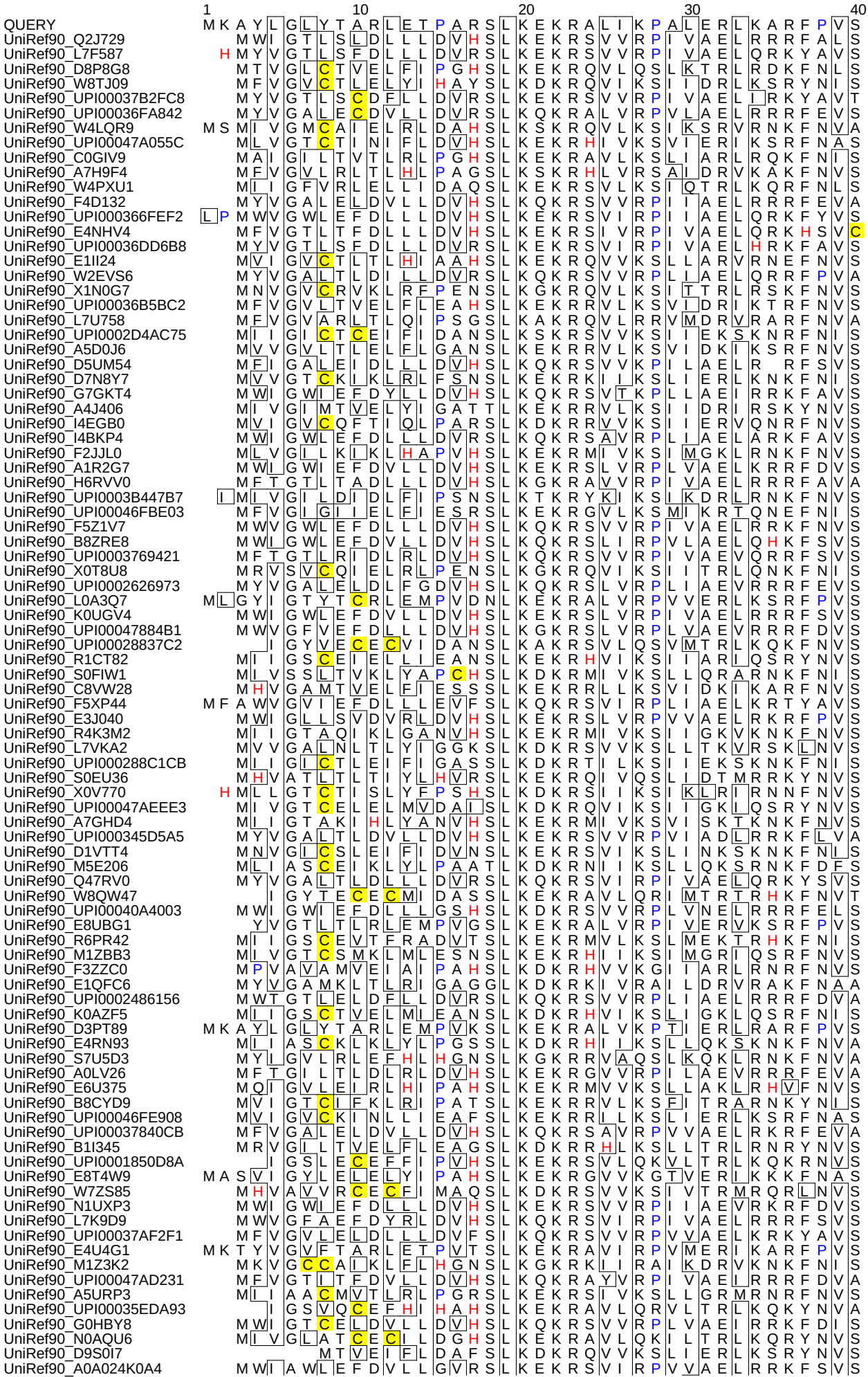
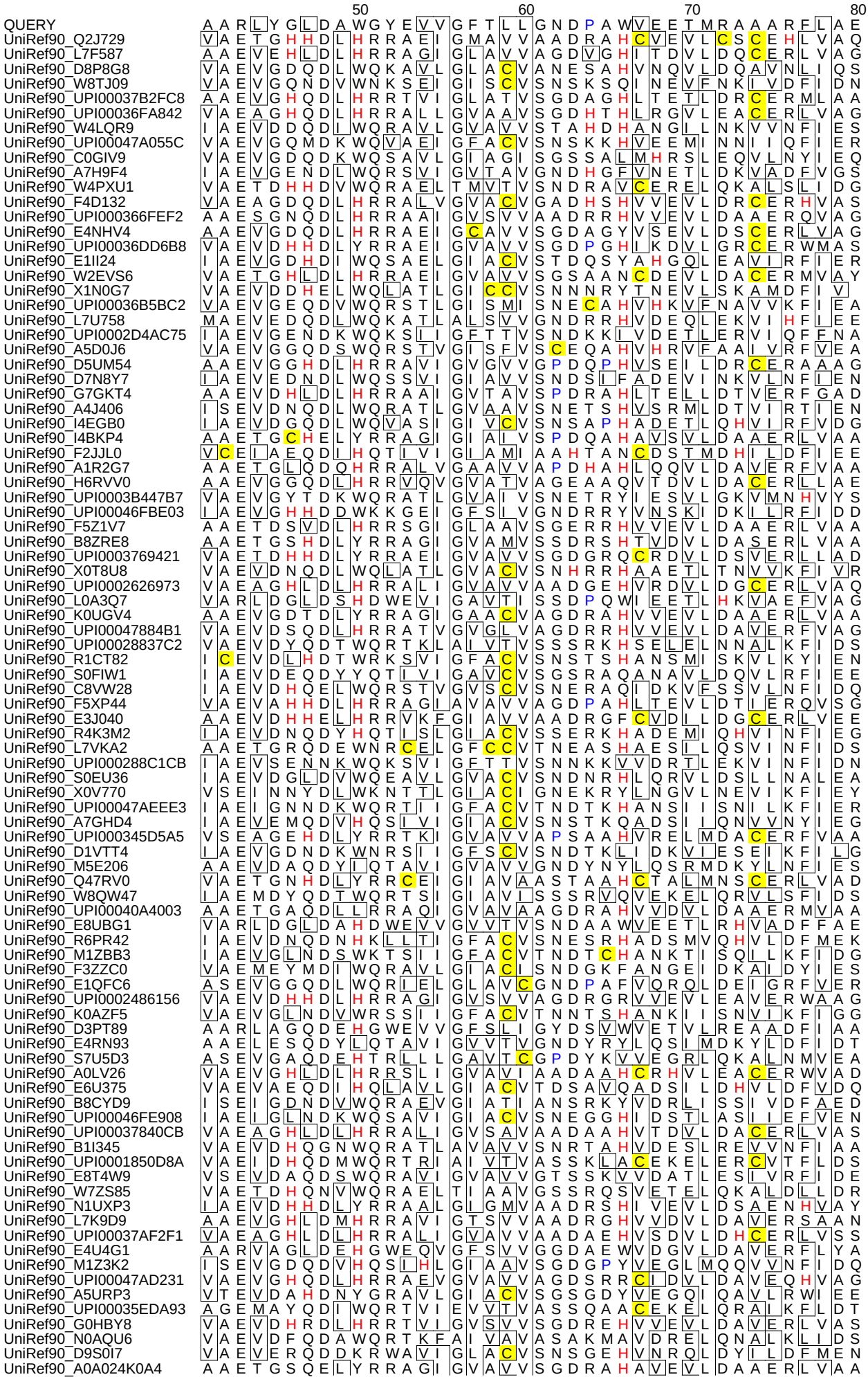
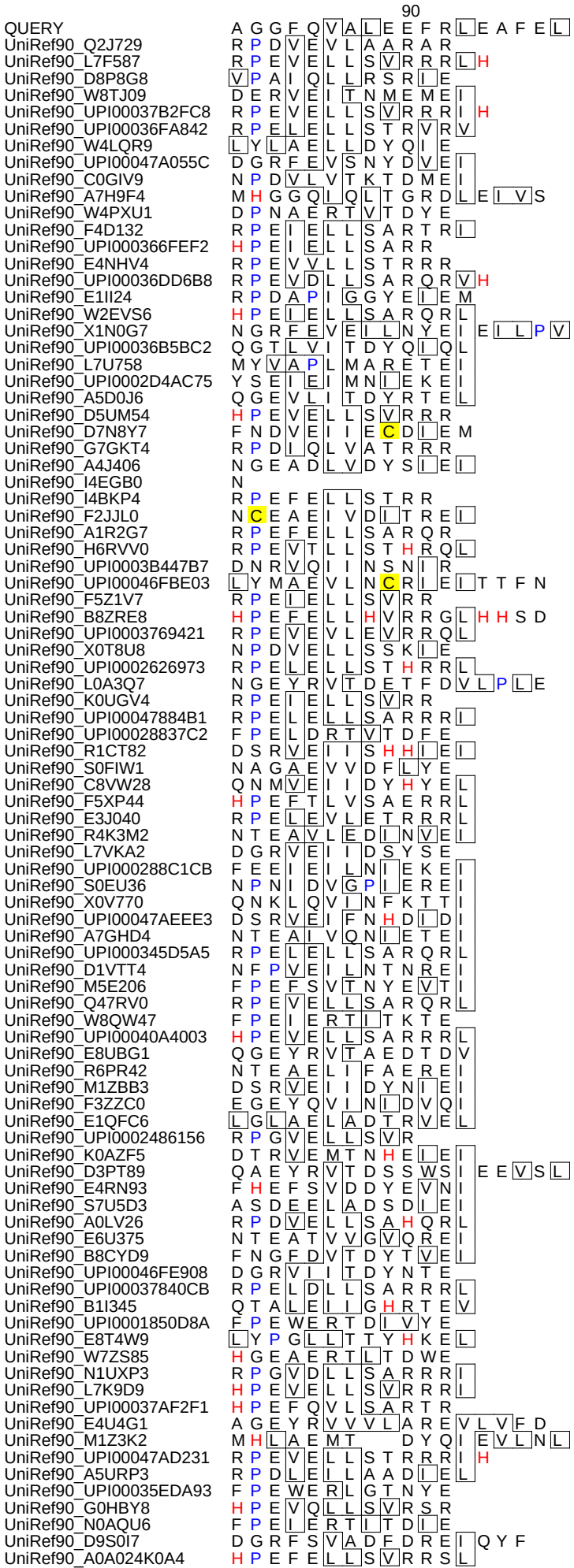
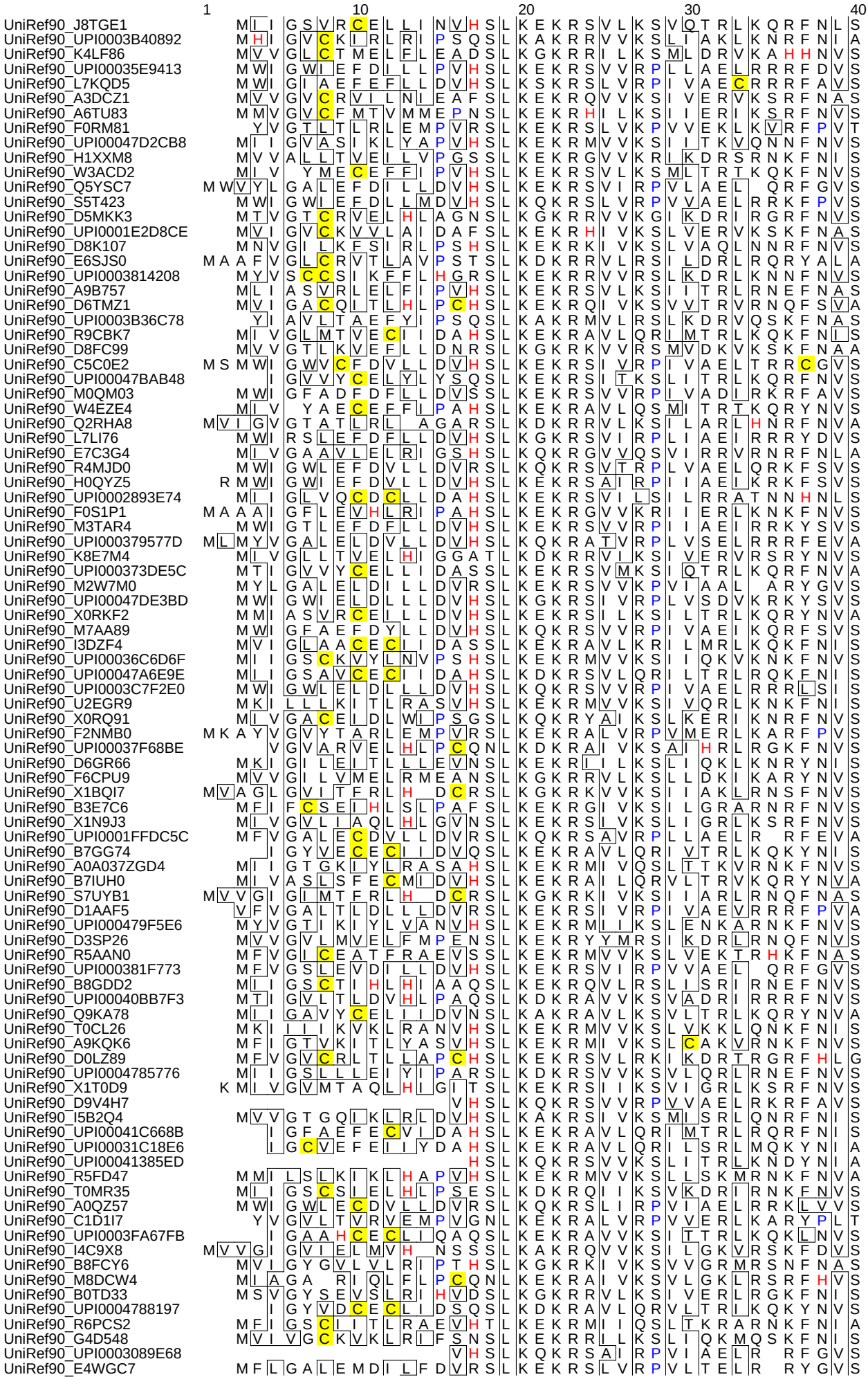
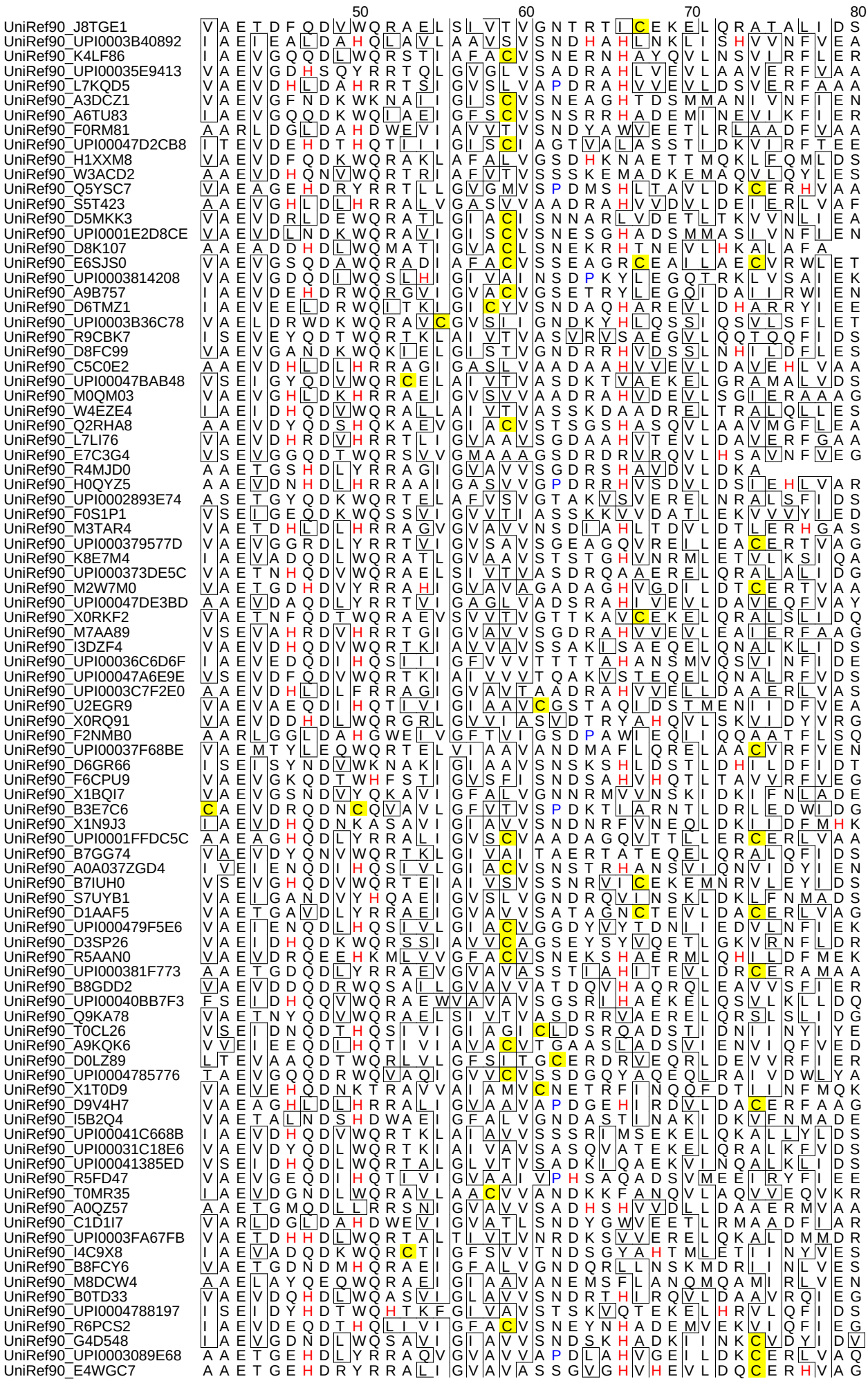
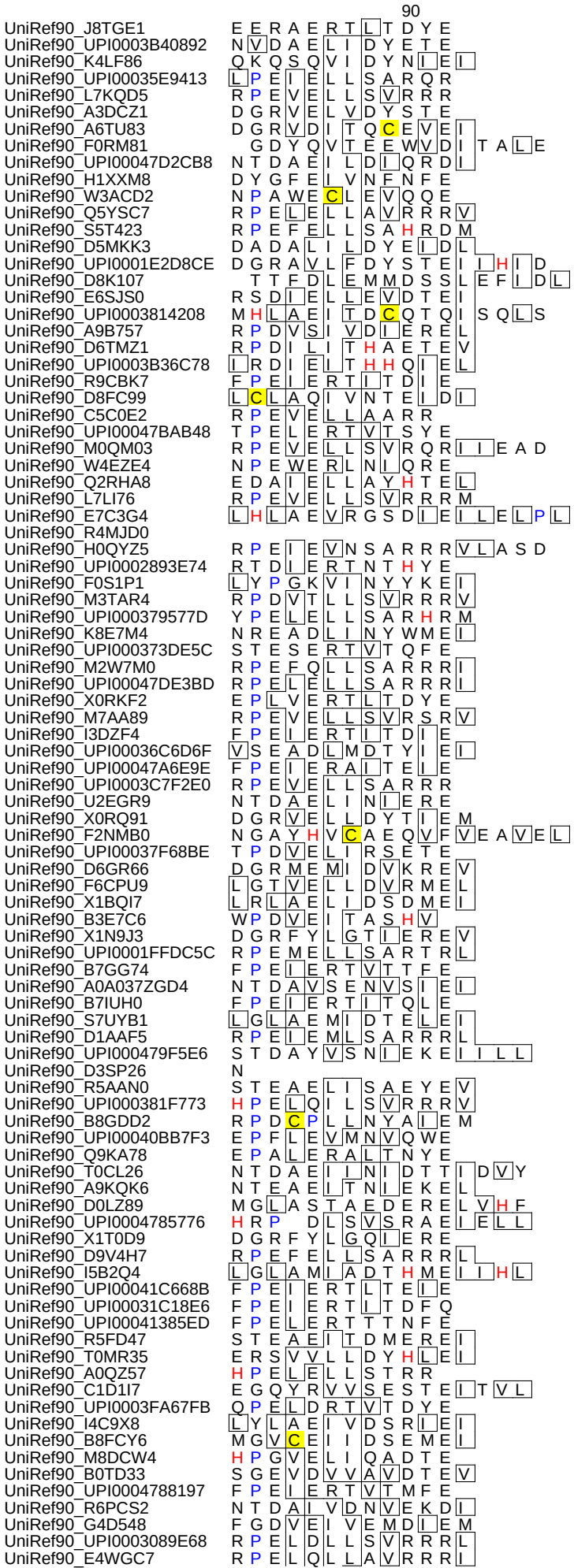

1
10
20
30
40
QUERY
UniRef90_Q2J729
UniRef90_L7F587
UniRef90_D8P8G8
UniRef90_W8TJ09
UniRef90_UPI00037B2FC8
UniRef90_UPI00036FA842
UniRef90_W4LQR9
UniRef90_UPI00047A055C
UniRef90_C0GIV9
UniRef90_A7H9F4
UniRef90_W4PXU1
UniRef90_F4D132
UniRef90_UPI000366FEF2
UniRef90_E4NHV4
UniRef90_UPI00036DD6B8
UniRef90_E1II24
UniRef90_W2EVS6
UniRef90_X1N0G7
UniRef90_UPI00036B5BC2
UniRef90_L7U758
UniRef90_UPI0002D4AC75
UniRef90_A5D0J6
UniRef90_D5UM54
UniRef90_D7N8Y7
UniRef90_G7GKT4
UniRef90_A4J406
UniRef90_I4EGB0
UniRef90_I4BKP4
UniRef90_F2JJL0
UniRef90_A1R2G7
UniRef90_H6RVV0
UniRef90_UPI0003B447B7
UniRef90_UPI00046FBE03
UniRef90_F5Z1V7
UniRef90_B8ZRE8
UniRef90_UPI0003769421
UniRef90_X0T8U8
UniRef90_UPI0002626973
UniRef90_L0A3Q7
UniRef90_K0UGV4
UniRef90_UPI00047884B1
UniRef90_UPI00028837C2
UniRef90_R1CT82
UniRef90_S0FIW1
UniRef90_C8VW28
UniRef90_F5XP44
UniRef90_E3J040
UniRef90_R4K3M2
UniRef90_L7VKA2
UniRef90_UPI000288C1CB
UniRef90_S0EU36
UniRef90_X0V770
UniRef90_UPI00047AEEE3
UniRef90_A7GHD4
UniRef90_UPI000345D5A5
UniRef90_D1VTT4
UniRef90_M5E206
UniRef90_Q47RV0
UniRef90_W8QW47
UniRef90_UPI00040A4003
UniRef90_E8UBG1
UniRef90_R6PR42
UniRef90_M1ZBB3
UniRef90_F3ZZC0
UniRef90_E1QFC6
UniRef90_UPI0002486156
UniRef90_K0AZF5
UniRef90_D3PT89
UniRef90_E4RN93
UniRef90_S7U5D3
UniRef90_A0LV26
UniRef90_E6U375
UniRef90_B8CYD9
UniRef90_UPI00046FE908
UniRef90_UPI00037840CB
UniRef90_B1I345
UniRef90_UPI0001850D8A
UniRef90_E8T4W9
UniRef90_W7ZS85
UniRef90_N1UXP3
UniRef90_L7K9D9
UniRef90_UPI00037AF2F1
UniRef90_E4U4G1
UniRef90_M1Z3K2
UniRef90_UPI00047AD231
UniRef90_A5URP3
UniRef90_UPI00035EDA93
UniRef90_G0HBY8
UniRef90_N0AQU6
UniRef90_D9S0I7
UniRef90_A0A024K0A4

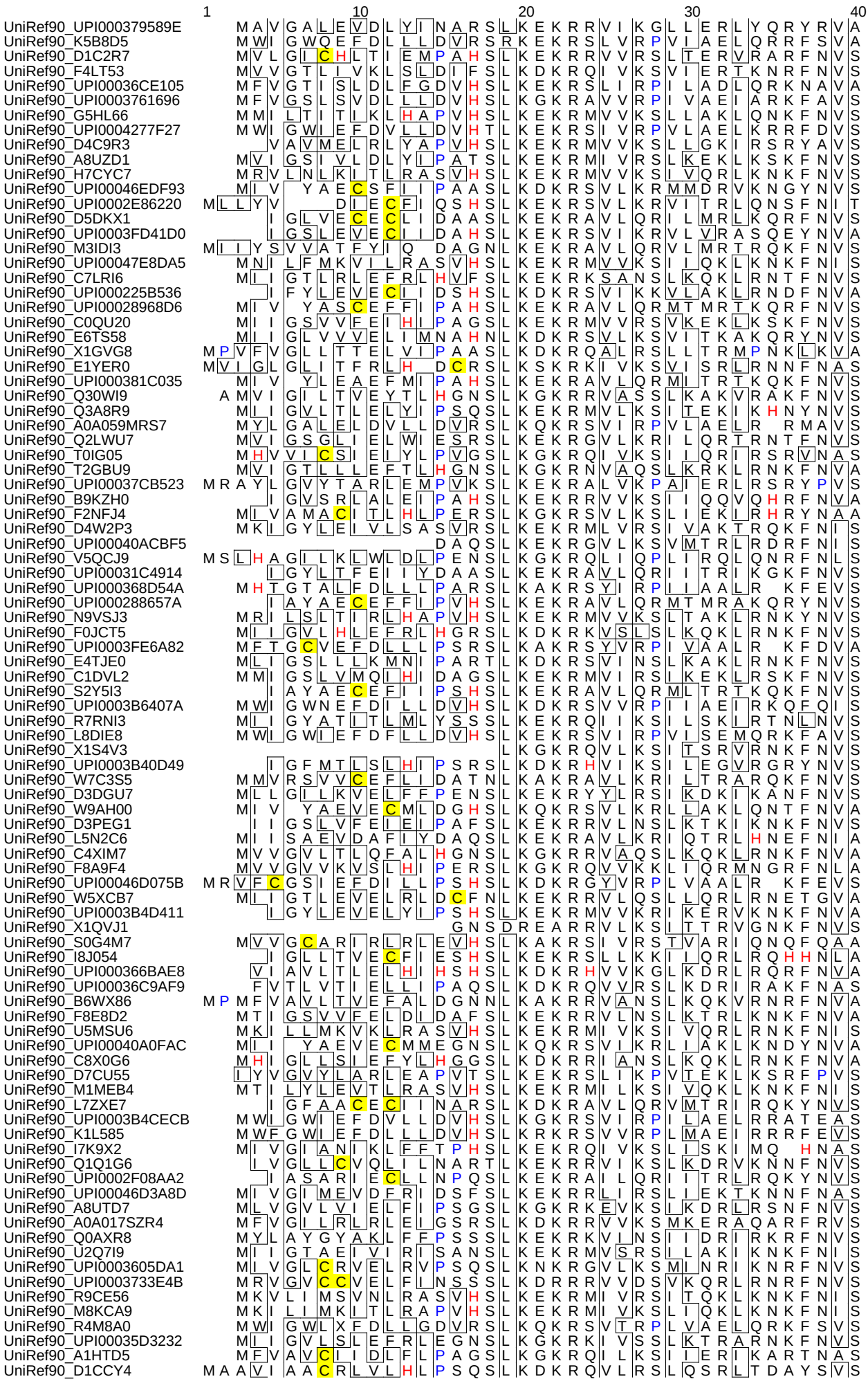

50
60
70
80
QUERY
UniRef90_Q2J729
UniRef90_L7F587
UniRef90_D8P8G8
UniRef90_W8TJ09
UniRef90_UPI00037B2FC8
UniRef90_UPI00036FA842
UniRef90_W4LQR9
UniRef90_UPI00047A055C
UniRef90_C0GIV9
UniRef90_A7H9F4
UniRef90_W4PXU1
UniRef90_F4D132
UniRef90_UPI000366FEF2
UniRef90_E4NHV4
UniRef90_UPI00036DD6B8
UniRef90_E1II24
UniRef90_W2EVS6
UniRef90_X1N0G7
UniRef90_UPI00036B5BC2
UniRef90_L7U758
UniRef90_UPI0002D4AC75
UniRef90_A5D0J6
UniRef90_D5UM54
UniRef90_D7N8Y7
UniRef90_G7GKT4
UniRef90_A4J406
UniRef90_I4EGB0
UniRef90_I4BKP4
UniRef90_F2JJL0
UniRef90_A1R2G7
UniRef90_H6RVV0
UniRef90_UPI0003B447B7
UniRef90_UPI00046FBE03
UniRef90_F5Z1V7
UniRef90_B8ZRE8
UniRef90_UPI0003769421
UniRef90_X0T8U8
UniRef90_UPI0002626973
UniRef90_L0A3Q7
UniRef90_K0UGV4
UniRef90_UPI00047884B1
UniRef90_UPI00028837C2
UniRef90_R1CT82
UniRef90_S0FIW1
UniRef90_C8VW28
UniRef90_F5XP44
UniRef90_E3J040
UniRef90_R4K3M2
UniRef90_L7VKA2
UniRef90_UPI000288C1CB
UniRef90_S0EU36
UniRef90_X0V770
UniRef90_UPI00047AEEE3
UniRef90_A7GHD4
UniRef90_UPI000345D5A5
UniRef90_D1VTT4
UniRef90_M5E206
UniRef90_Q47RV0
UniRef90_W8QW47
UniRef90_UPI00040A4003
UniRef90_E8UBG1
UniRef90_R6PR42
UniRef90_M1ZBB3
UniRef90_F3ZZC0
UniRef90_E1QFC6
UniRef90_UPI0002486156
UniRef90_K0AZF5
UniRef90_D3PT89
UniRef90_E4RN93
UniRef90_S7U5D3
UniRef90_A0LV26
UniRef90_E6U375
UniRef90_B8CYD9
UniRef90_UPI00046FE908
UniRef90_UPI00037840CB
UniRef90_B1I345
UniRef90_UPI0001850D8A
UniRef90_E8T4W9
UniRef90_W7ZS85
UniRef90_N1UXP3
UniRef90_L7K9D9
UniRef90_UPI00037AF2F1
UniRef90_E4U4G1
UniRef90_M1Z3K2
UniRef90_UPI00047AD231
UniRef90_A5URP3
UniRef90_UPI00035EDA93
UniRef90_G0HBY8
UniRef90_N0AQU6
UniRef90_D9S0I7
UniRef90_A0A024K0A4

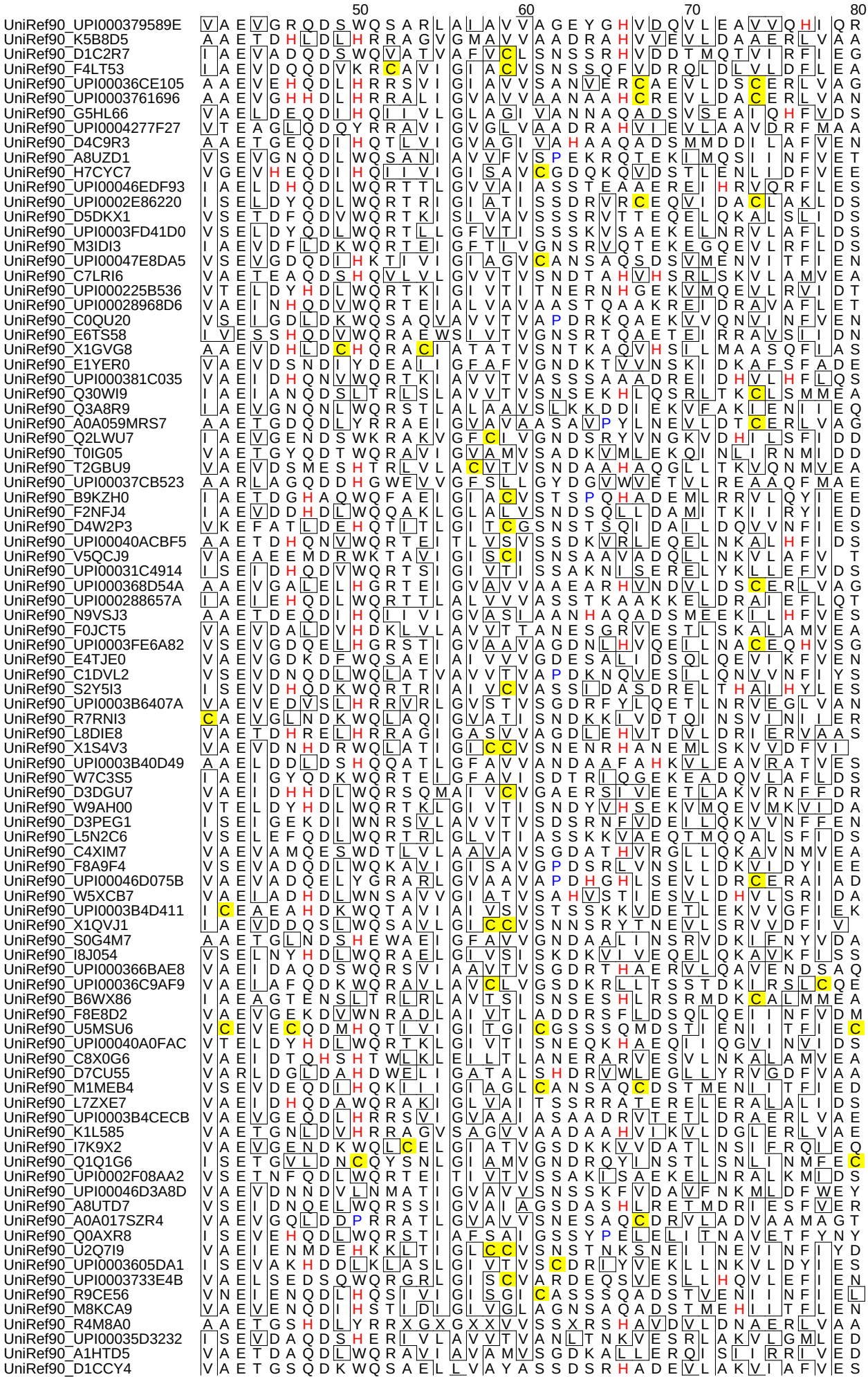

90
QUERY A G G F Q V A L E E F R L E A F E L
UniRef90_Q2J729 R P D V E V L A A R A R
UniRef90_L7F587 R P E V E L L S V R R R L H
UniRef90_D8P8G8 V P A I Q L L R S R I E
UniRef90_W8TJ09 D E R V E I T N M E M E I
UniRef90_UPI00037B2FC8 R P E V E L L S V R R R I H
UniRef90_UPI00036FA842 R P E L E L L S T R V R V
UniRef90_W4LQR9 L Y L A E L L D Y Q I E
UniRef90_UPI00047A055C D G R F E V S N Y D V E I
UniRef90_C0GIV9 N P D V L V T K T D M E I
UniRef90_A7H9F4 M H G G Q I Q L T G R D L E I V S
UniRef90_W4PXU1 D P N A E R T V T D Y E
UniRef90_F4D132 R P E I E L L S A R T R I
UniRef90_UPI000366FEF2 H P E I E L L S A R R
UniRef90_E4NHV4 R P E V V L L S T R R R
UniRef90_UPI00036DD6B8 R P E V D L L S A R Q R V H
UniRef90_E1II24 R P D A P I G G Y E I E M
UniRef90_W2EVS6 H P E I E L L S A R Q R L
UniRef90_X1N0G7 N G R F E V E I L N Y E I E I L P V
UniRef90_UPI00036B5BC2 Q G T L V I T D Y Q I Q L
UniRef90_L7U758 M Y V A P L M A R E T E I
UniRef90_UPI0002D4AC75 Y S E I E I M N I E K E I
UniRef90_A5D0J6 Q G E V L I T D Y R T E L
UniRef90_D5UM54 H P E V E L L S V R R R
UniRef90_D7N8Y7 F N D V E I I E C D I E M
UniRef90_G7GKT4 R P D I Q L V A T R R R
UniRef90_A4J406 N G E A D L V D Y S I E I
UniRef90_I4EGB0 N
UniRef90_I4BKP4 R P E F E L L S T R R
UniRef90_F2JJL0 N C E A E I V D I T R E I
UniRef90_A1R2G7 R P E F E L L S A R Q R
UniRef90_H6RVV0 R P E V T L L S T H R Q L
UniRef90_UPI0003B447B7 D N R V Q I I N S N I R
UniRef90_UPI00046FBE03 L Y M A E V L N C R I E I T T F N
UniRef90_F5Z1V7 R P E I E L L S V R R
UniRef90_B8ZRE8 H P E F E L L H V R R G L H H S D
UniRef90_UPI0003769421 R P E V E V L E V R R Q L
UniRef90_X0T8U8 N P D V E L L S S K I E
UniRef90_UPI0002626973 R P E L E L L S T H R R L
UniRef90_L0A3Q7 N G E Y R V T D E T F D V L P L E
UniRef90_K0UGV4 R P E I E L L S V R R
UniRef90_UPI00047884B1 R P E L E L L S A R R R I
UniRef90_UPI00028837C2 F P E L D R T V T D F E
UniRef90_R1CT82 D S R V E I I S H H I E I
UniRef90_S0FIW1 N A G A E V V D F L Y E
UniRef90_C8VW28 Q N M V E I I D Y H Y E L
UniRef90_F5XP44 H P E F T L V S A E R R L
UniRef90_E3J040 R P E L E V L E T R R R L
UniRef90_R4K3M2 N T E A V L E D I N V E I
UniRef90_L7VKA2 D G R V E I I D S Y S E
UniRef90_UPI000288C1CB F E E I E I L N I E K E I
UniRef90_S0EU36 N P N I D V G P I E R E I
UniRef90_X0V770 Q N K L Q V I N F K T T I
UniRef90_UPI00047AEEE3 D S R V E I F N H D I D I
UniRef90_A7GHD4 N T E A I V Q N I E T E I
UniRef90_UPI000345D5A5 R P E L E L L S A R Q R L
UniRef90_D1VTT4 N F P V E I L N T N R E I
UniRef90_M5E206 F P E F S V T N Y E V T I
UniRef90_Q47RV0 R P E V E L L S A R Q R L
UniRef90_W8QW47 F P E I E R T I T K T E
UniRef90_UPI00040A4003 H P E V E L L S A R R R L
UniRef90_E8UBG1 Q G E Y R V T A E D T D V
UniRef90_R6PR42 N T E A E L I F A E R E I
UniRef90_M1ZBB3 D S R V E I I D Y N I E I
UniRef90_F3ZZC0 E G E Y Q V I N I D V Q I
UniRef90_E1QFC6 L G L A E L A D T R V E L
UniRef90_UPI0002486156 R P G V E L L S V R
UniRef90_K0AZF5 D T R V E M T N H E I E I
UniRef90_D3PT89 Q A E Y R V T D S S W S I E E V S L
UniRef90_E4RN93 F H E F S V D D Y E V N I
UniRef90_S7U5D3 A S D E E L A D S D I E I
UniRef90_A0LV26 R P D V E L L S A H Q R L
UniRef90_E6U375 N T E A T V V G V Q R E I
UniRef90_B8CYD9 F N G F D V T D Y T V E I
UniRef90_UPI00046FE908 D G R V I I T D Y N T E
UniRef90_UPI00037840CB R P E L D L L S A R R R L
UniRef90_B1I345 Q T A L E I I G H R T E V
UniRef90_UPI0001850D8A F P E W E R T D I V Y E
UniRef90_E8T4W9 L Y P G L L T T Y H K E L
UniRef90_W7ZS85 H G E A E R T L T D W E
UniRef90_N1UXP3 R P G V D L L S A R R R I
UniRef90_L7K9D9 H P E V E L L S V R R R I
UniRef90_UPI00037AF2F1 H P E F Q V L S A R T R
UniRef90_E4U4G1 A G E Y R V V V L A R E V L V F D
UniRef90_M1Z3K2 M H L A E M T D Y Q I E V L N L
UniRef90_UPI00047AD231 R P E V E L L S T R R R I H
UniRef90_A5URP3 R P D L E I L A A D I E L
UniRef90_UPI00035EDA93 F P E W E R L G T N Y E
UniRef90_G0HBY8 H P E V Q L L S V R S R
UniRef90_N0AQU6 F P E I E R T I T D I E
UniRef90_D9S0I7 D G R F S V A D F D R E I Q Y F
UniRef90_A0A024K0A4 H P E F E L L S V R R S L

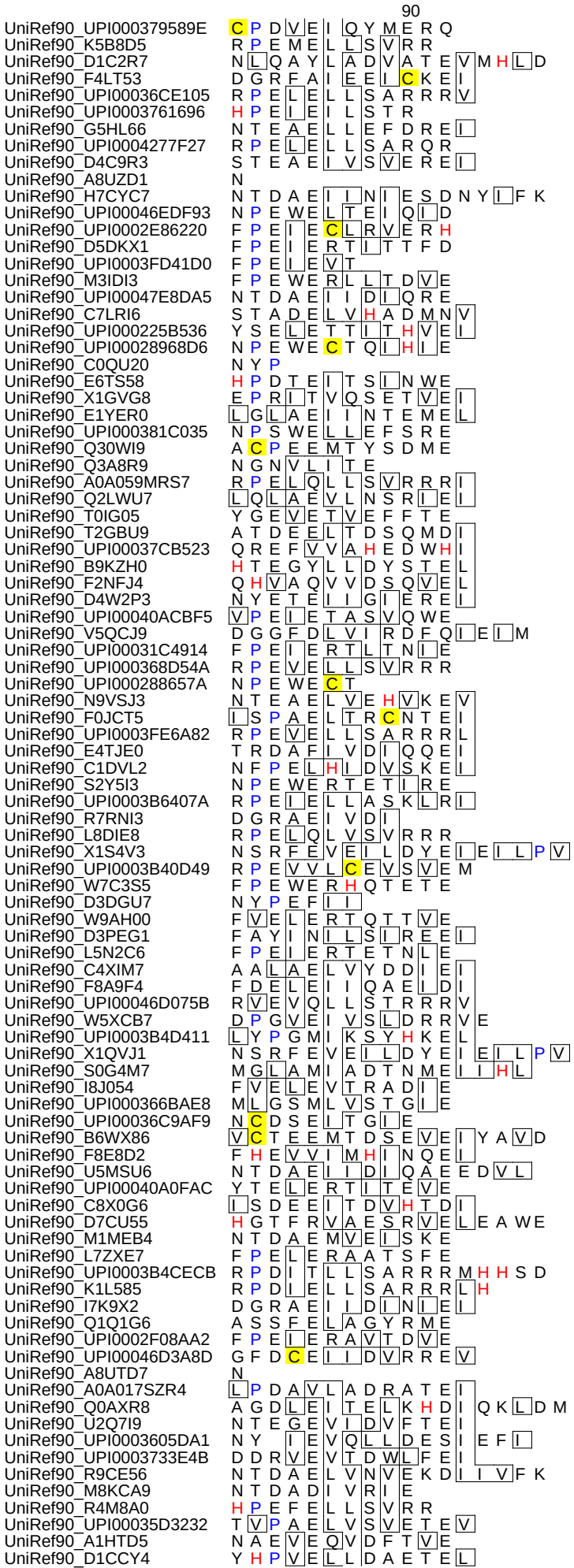

1
10
20
30
40
UniRef90_J8TGE1
UniRef90_UPI0003B40892
UniRef90_K4LF86
UniRef90_UPI00035E9413
UniRef90_L7KQD5
UniRef90_A3DCZ1
UniRef90_A6TU83
UniRef90_F0RM81
UniRef90_UPI00047D2CB8
UniRef90_H1XXM8
UniRef90_W3ACD2
UniRef90_Q5YSC7
UniRef90_S5T423
UniRef90_D5MKK3
UniRef90_UPI0001E2D8CE
UniRef90_D8K107
UniRef90_E6SJS0
UniRef90_UPI0003814208
UniRef90_A9B757
UniRef90_D6TMZ1
UniRef90_UPI0003B36C78
UniRef90_R9CBK7
UniRef90_D8FC99
UniRef90_C5C0E2
UniRef90_UPI00047BAB48
UniRef90_M0QM03
UniRef90_W4EZE4
UniRef90_Q2RHA8
UniRef90_L7LI76
UniRef90_E7C3G4
UniRef90_R4MJD0
UniRef90_H0QYZ5
UniRef90_UPI0002893E74
UniRef90_F0S1P1
UniRef90_M3TAR4
UniRef90_UPI000379577D
UniRef90_K8E7M4
UniRef90_UPI000373DE5C
UniRef90_M2W7M0
UniRef90_UPI00047DE3BD
UniRef90_X0RKF2
UniRef90_M7AA89
UniRef90_I3DZF4
UniRef90_UPI00036C6D6F
UniRef90_UPI00047A6E9E
UniRef90_UPI0003C7F2E0
UniRef90_U2EGR9
UniRef90_X0RQ91
UniRef90_F2NMB0
UniRef90_UPI00037F68BE
UniRef90_D6GR66
UniRef90_F6CPU9
UniRef90_X1BQI7
UniRef90_B3E7C6
UniRef90_X1N9J3
UniRef90_UPI0001FFDC5C
UniRef90_B7GG74
UniRef90_A0A037ZGD4
UniRef90_B7IUH0
UniRef90_S7UYB1
UniRef90_D1AAF5
UniRef90_UPI000479F5E6
UniRef90_D3SP26
UniRef90_R5AAN0
UniRef90_UPI000381F773
UniRef90_B8GDD2
UniRef90_UPI00040BB7F3
UniRef90_Q9KA78
UniRef90_T0CL26
UniRef90_A9KQK6
UniRef90_D0LZ89
UniRef90_UPI0004785776
UniRef90_X1T0D9
UniRef90_D9V4H7
UniRef90_I5B2Q4
UniRef90_UPI00041C668B
UniRef90_UPI00031C18E6
UniRef90_UPI00041385ED
UniRef90_R5FD47
UniRef90_T0MR35
UniRef90_A0QZ57
UniRef90_C1D1I7
UniRef90_UPI0003FA67FB
UniRef90_I4C9X8
UniRef90_B8FCY6
UniRef90_M8DCW4
UniRef90_B0TD33
UniRef90_UPI0004788197
UniRef90_R6PCS2
UniRef90_G4D548
UniRef90_UPI0003089E68
UniRef90_E4WGC7

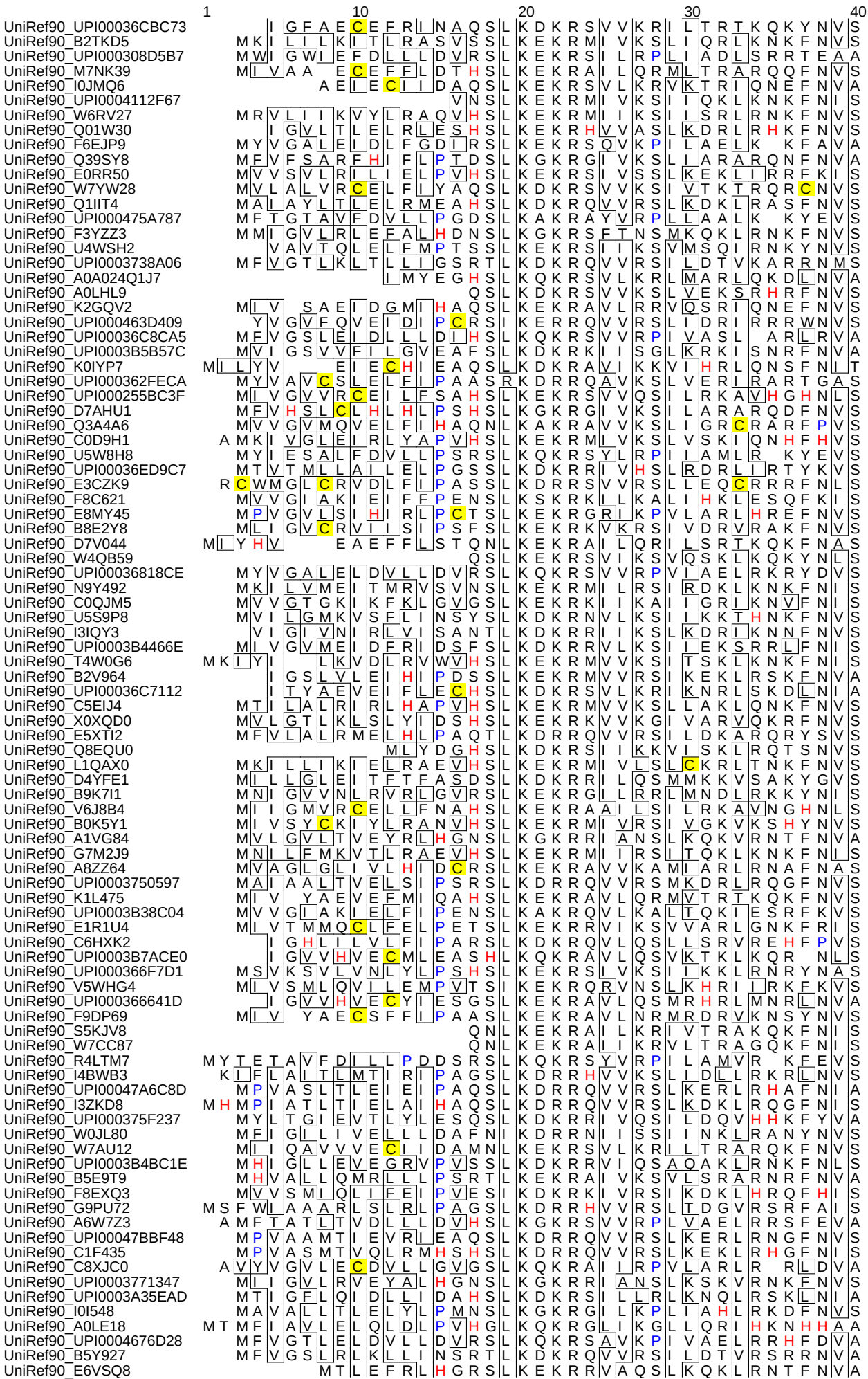

50
60
70
80
UniRef90_J8TGE1
UniRef90_UPI0003B40892
UniRef90_K4LF86
UniRef90_UPI00035E9413
UniRef90_L7KQD5
UniRef90_A3DCZ1
UniRef90_A6TU83
UniRef90_F0RM81
UniRef90_UPI00047D2CB8
UniRef90_H1XXM8
UniRef90_W3ACD2
UniRef90_Q5YSC7
UniRef90_S5T423
UniRef90_D5MKK3
UniRef90_UPI0001E2D8CE
UniRef90_D8K107
UniRef90_E6SJS0
UniRef90_UPI0003814208
UniRef90_A9B757
UniRef90_D6TMZ1
UniRef90_UPI0003B36C78
UniRef90_R9CBK7
UniRef90_D8FC99
UniRef90_C5C0E2
UniRef90_UPI00047BAB48
UniRef90_M0QM03
UniRef90_W4EZE4
UniRef90_Q2RHA8
UniRef90_L7LI76
UniRef90_E7C3G4
UniRef90_R4MJD0
UniRef90_H0QYZ5
UniRef90_UPI0002893E74
UniRef90_F0S1P1
UniRef90_M3TAR4
UniRef90_UPI000379577D
UniRef90_K8E7M4
UniRef90_UPI000373DE5C
UniRef90_M2W7M0
UniRef90_UPI00047DE3BD
UniRef90_X0RKF2
UniRef90_M7AA89
UniRef90_I3DZF4
UniRef90_UPI00036C6D6F
UniRef90_UPI00047A6E9E
UniRef90_UPI0003C7F2E0
UniRef90_U2EGR9
UniRef90_X0RQ91
UniRef90_F2NMB0
UniRef90_UPI00037F68BE
UniRef90_D6GR66
UniRef90_F6CPU9
UniRef90_X1BQI7
UniRef90_B3E7C6
UniRef90_X1N9J3
UniRef90_UPI0001FFDC5C
UniRef90_B7GG74
UniRef90_A0A037ZGD4
UniRef90_B7IUH0
UniRef90_S7UYB1
UniRef90_D1AAF5
UniRef90_UPI000479F5E6
UniRef90_D3SP26
UniRef90_R5AAN0
UniRef90_UPI000381F773
UniRef90_B8GDD2
UniRef90_UPI00040BB7F3
UniRef90_Q9KA78
UniRef90_T0CL26
UniRef90_A9KQK6
UniRef90_D0LZ89
UniRef90_UPI0004785776
UniRef90_X1T0D9
UniRef90_D9V4H7
UniRef90_I5B2Q4
UniRef90_UPI00041C668B
UniRef90_UPI00031C18E6
UniRef90_UPI00041385ED
UniRef90_R5FD47
UniRef90_T0MR35
UniRef90_A0QZ57
UniRef90_C1D1I7
UniRef90_UPI0003FA67FB
UniRef90_I4C9X8
UniRef90_B8FCY6
UniRef90_M8DCW4
UniRef90_B0TD33
UniRef90_UPI0004788197
UniRef90_R6PCS2
UniRef90_G4D548
UniRef90_UPI0003089E68
UniRef90_E4WGC7

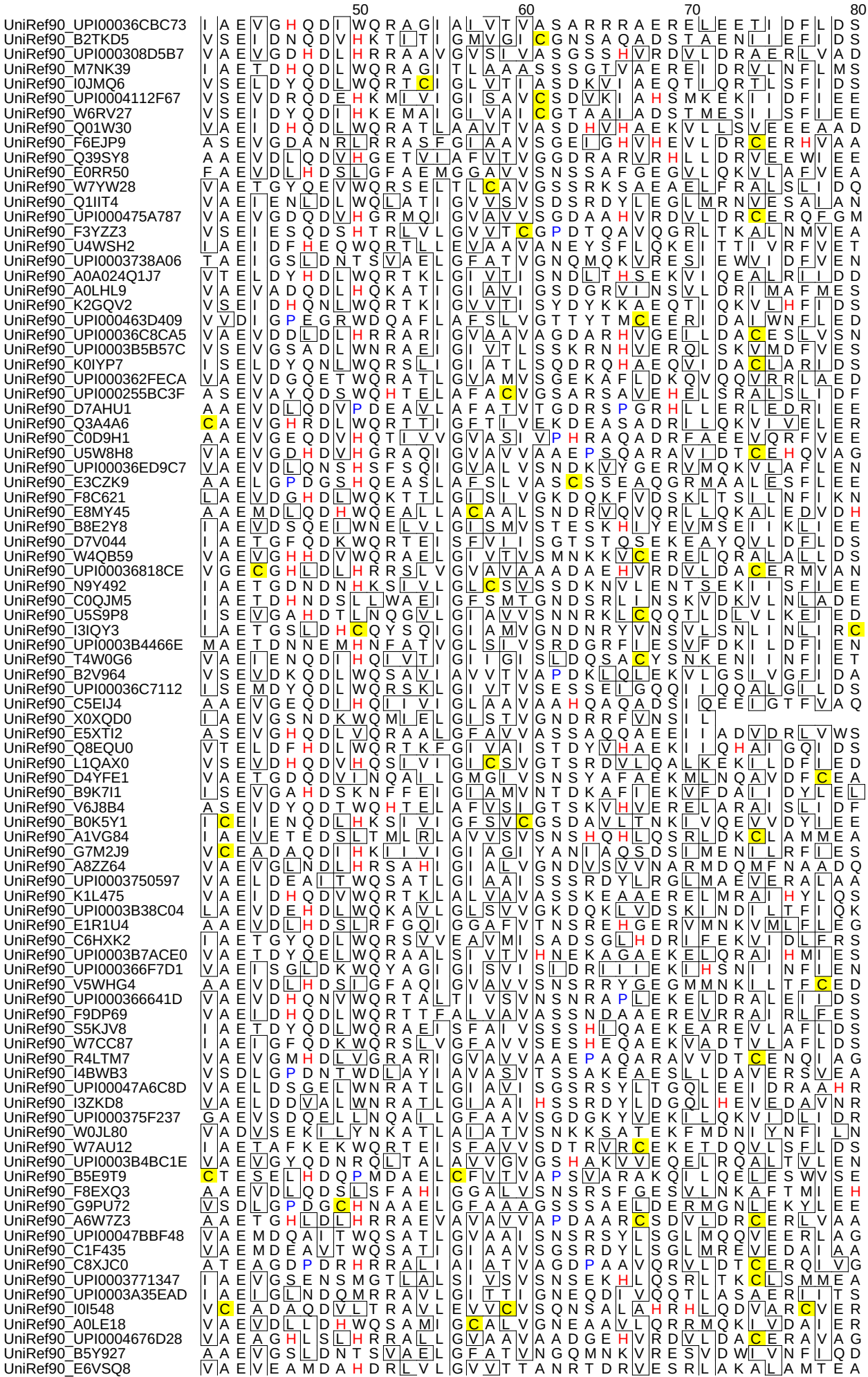

90
UniRef90_J8TGE1
UniRef90_UPI0003B40892
UniRef90_K4LF86
UniRef90_UPI00035E9413
UniRef90_L7KQD5
UniRef90_A3DCZ1
UniRef90_A6TU83
UniRef90_F0RM81
UniRef90_UPI00047D2CB8
UniRef90_H1XXM8
UniRef90_W3ACD2
UniRef90_Q5YSC7
UniRef90_S5T423
UniRef90_D5MKK3
UniRef90_UPI0001E2D8CE
UniRef90_D8K107
UniRef90_E6SJS0
UniRef90_UPI0003814208
UniRef90_A9B757
UniRef90_D6TMZ1
UniRef90_UPI0003B36C78
UniRef90_R9CBK7
UniRef90_D8FC99
UniRef90_C5C0E2
UniRef90_UPI00047BAB48
UniRef90_M0QM03
UniRef90_W4EZE4
UniRef90_Q2RHA8
UniRef90_L7LI76
UniRef90_E7C3G4
UniRef90_R4MJD0
UniRef90_H0QYZ5
UniRef90_UPI0002893E74
UniRef90_F0S1P1
UniRef90_M3TAR4
UniRef90_UPI000379577D
UniRef90_K8E7M4
UniRef90_UPI000373DE5C
UniRef90_M2W7M0
UniRef90_UPI00047DE3BD
UniRef90_X0RKF2
UniRef90_M7AA89
UniRef90_I3DZF4
UniRef90_UPI00036C6D6F
UniRef90_UPI00047A6E9E
UniRef90_UPI0003C7F2E0
UniRef90_U2EGR9
UniRef90_X0RQ91
UniRef90_F2NMB0
UniRef90_UPI00037F68BE
UniRef90_D6GR66
UniRef90_F6CPU9
UniRef90_X1BQI7
UniRef90_B3E7C6
UniRef90_X1N9J3
UniRef90_UPI0001FFDC5C
UniRef90_B7GG74
UniRef90_A0A037ZGD4
UniRef90_B7IUH0
UniRef90_S7UYB1
UniRef90_D1AAF5
UniRef90_UPI000479F5E6
UniRef90_D3SP26
UniRef90_R5AAN0
UniRef90_UPI000381F773
UniRef90_B8GDD2
UniRef90_UPI00040BB7F3
UniRef90_Q9KA78
UniRef90_T0CL26
UniRef90_A9KQK6
UniRef90_D0LZ89
UniRef90_UPI0004785776
UniRef90_X1T0D9
UniRef90_D9V4H7
UniRef90_I5B2Q4
UniRef90_UPI00041C668B
UniRef90_UPI00031C18E6
UniRef90_UPI00041385ED
UniRef90_R5FD47
UniRef90_T0MR35
UniRef90_A0QZ57
UniRef90_C1D1I7
UniRef90_UPI0003FA67FB
UniRef90_I4C9X8
UniRef90_B8FCY6
UniRef90_M8DCW4
UniRef90_B0TD33
UniRef90_UPI0004788197
UniRef90_R6PCS2
UniRef90_G4D548
UniRef90_UPI0003089E68
UniRef90_E4WGC7

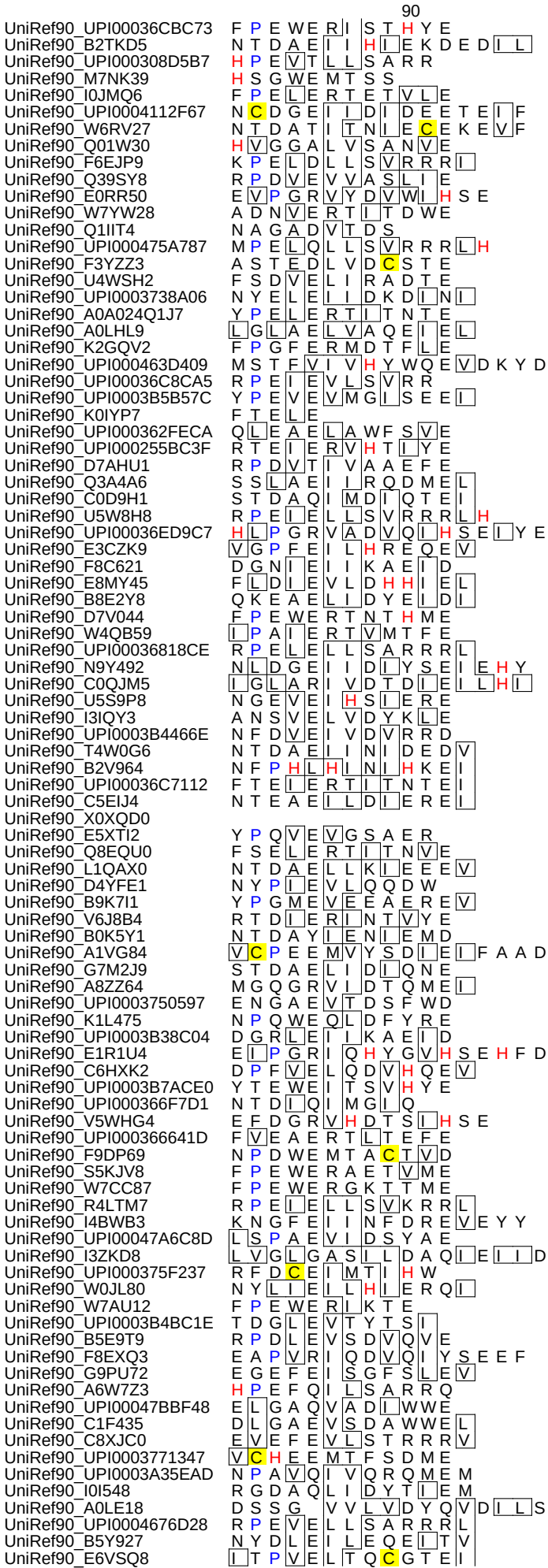

1
10
20
30
40
UniRef90_UPI000379589E
UniRef90_K5B8D5
UniRef90_D1C2R7
UniRef90_F4LT53
UniRef90_UPI00036CE105
UniRef90_UPI0003761696
UniRef90_G5HL66
UniRef90_UPI0004277F27
UniRef90_D4C9R3
UniRef90_A8UZD1
UniRef90_H7CYC7
UniRef90_UPI00046EDF93
UniRef90_UPI0002E86220
UniRef90_D5DKX1
UniRef90_UPI0003FD41D0
UniRef90_M3IDI3
UniRef90_UPI00047E8DA5
UniRef90_C7LRI6
UniRef90_UPI000225B536
UniRef90_UPI00028968D6
UniRef90_C0QU20
UniRef90_E6TS58
UniRef90_X1GVG8
UniRef90_E1YER0
UniRef90_UPI000381C035
UniRef90_Q30WI9
UniRef90_Q3A8R9
UniRef90_A0A059MRS7
UniRef90_Q2LWU7
UniRef90_T0IG05
UniRef90_T2GBU9
UniRef90_UPI00037CB523
UniRef90_B9KZH0
UniRef90_F2NFJ4
UniRef90_D4W2P3
UniRef90_UPI00040ACBF5
UniRef90_V5QCJ9
UniRef90_UPI00031C4914
UniRef90_UPI000368D54A
UniRef90_UPI000288657A
UniRef90_N9VSJ3
UniRef90_F0JCT5
UniRef90_UPI0003FE6A82
UniRef90_E4TJE0
UniRef90_C1DVL2
UniRef90_S2Y5I3
UniRef90_UPI0003B6407A
UniRef90_R7RNI3
UniRef90_L8DIE8
UniRef90_X1S4V3
UniRef90_UPI0003B40D49
UniRef90_W7C3S5
UniRef90_D3DGU7
UniRef90_W9AH00
UniRef90_D3PEG1
UniRef90_L5N2C6
UniRef90_C4XIM7
UniRef90_F8A9F4
UniRef90_UPI00046D075B
UniRef90_W5XCB7
UniRef90_UPI0003B4D411
UniRef90_X1QVJ1
UniRef90_S0G4M7
UniRef90_I8J054
UniRef90_UPI000366BAE8
UniRef90_UPI00036C9AF9
UniRef90_B6WX86
UniRef90_F8E8D2
UniRef90_U5MSU6
UniRef90_UPI00040A0FAC
UniRef90_C8X0G6
UniRef90_D7CU55
UniRef90_M1MEB4
UniRef90_L7ZXE7
UniRef90_UPI0003B4CECB
UniRef90_K1L585
UniRef90_I7K9X2
UniRef90_Q1Q1G6
UniRef90_UPI0002F08AA2
UniRef90_UPI00046D3A8D
UniRef90_A8UTD7
UniRef90_A0A017SZR4
UniRef90_Q0AXR8
UniRef90_U2Q7I9
UniRef90_UPI0003605DA1
UniRef90_UPI0003733E4B
UniRef90_R9CE56
UniRef90_M8KCA9
UniRef90_R4M8A0
UniRef90_UPI00035D3232
UniRef90_A1HTD5
UniRef90_D1CCY4

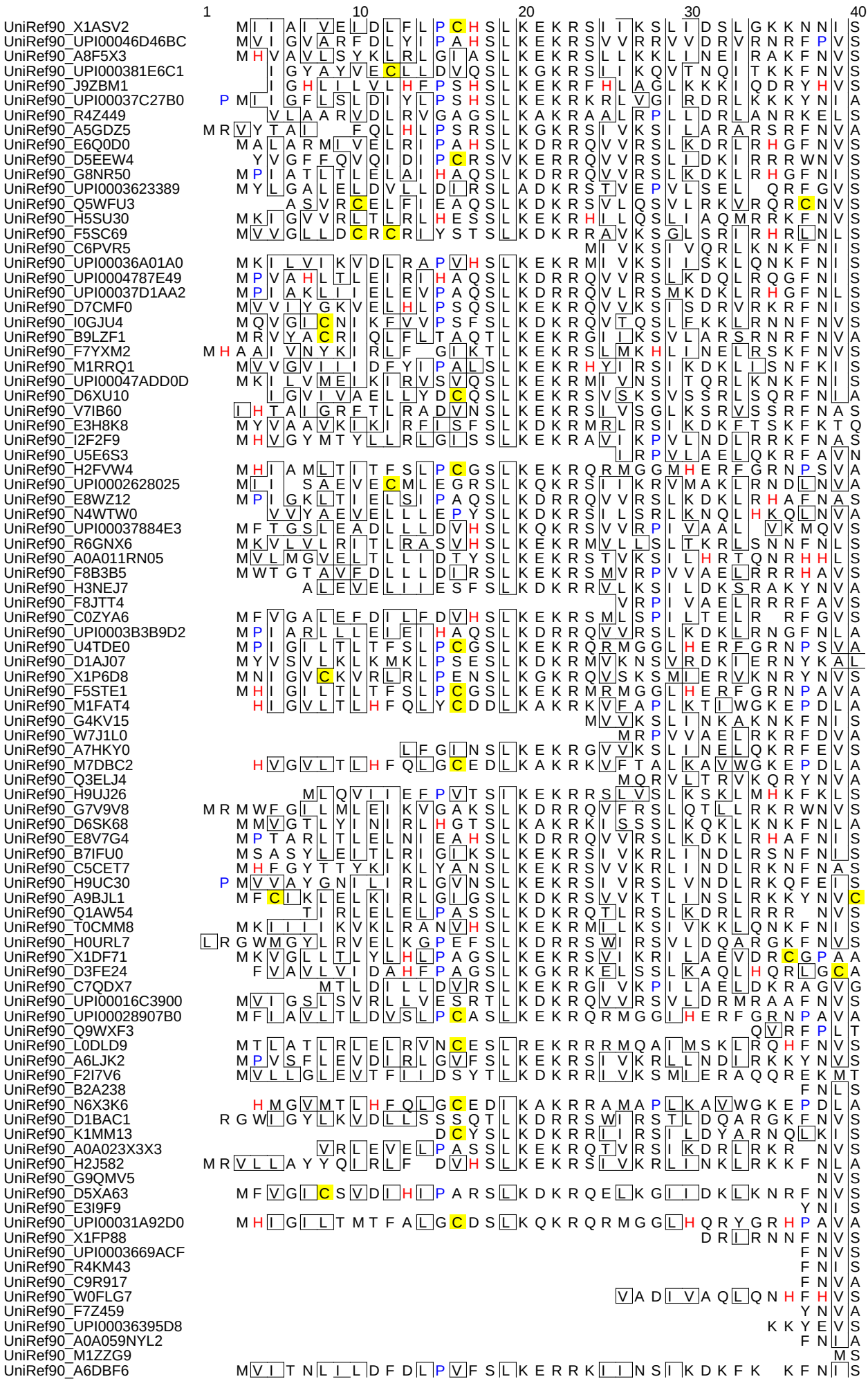

50
60
70
80
UniRef90_UPI000379589E
UniRef90_K5B8D5
UniRef90_D1C2R7
UniRef90_F4LT53
UniRef90_UPI00036CE105
UniRef90_UPI0003761696
UniRef90_G5HL66
UniRef90_UPI0004277F27
UniRef90_D4C9R3
UniRef90_A8UZD1
UniRef90_H7CYC7
UniRef90_UPI00046EDF93
UniRef90_UPI0002E86220
UniRef90_D5DKX1
UniRef90_UPI0003FD41D0
UniRef90_M3IDI3
UniRef90_UPI00047E8DA5
UniRef90_C7LRI6
UniRef90_UPI000225B536
UniRef90_UPI00028968D6
UniRef90_C0QU20
UniRef90_E6TS58
UniRef90_X1GVG8
UniRef90_E1YER0
UniRef90_UPI000381C035
UniRef90_Q30WI9
UniRef90_Q3A8R9
UniRef90_A0A059MRS7
UniRef90_Q2LWU7
UniRef90_T0IG05
UniRef90_T2GBU9
UniRef90_UPI00037CB523
UniRef90_B9KZH0
UniRef90_F2NFJ4
UniRef90_D4W2P3
UniRef90_UPI00040ACBF5
UniRef90_V5QCJ9
UniRef90_UPI00031C4914
UniRef90_UPI000368D54A
UniRef90_UPI000288657A
UniRef90_N9VSJ3
UniRef90_F0JCT5
UniRef90_UPI0003FE6A82
UniRef90_E4TJE0
UniRef90_C1DVL2
UniRef90_S2Y5I3
UniRef90_UPI0003B6407A
UniRef90_R7RNI3
UniRef90_L8DIE8
UniRef90_X1S4V3
UniRef90_UPI0003B40D49
UniRef90_W7C3S5
UniRef90_D3DGU7
UniRef90_W9AH00
UniRef90_D3PEG1
UniRef90_L5N2C6
UniRef90_C4XIM7
UniRef90_F8A9F4
UniRef90_UPI00046D075B
UniRef90_W5XCB7
UniRef90_UPI0003B4D411
UniRef90_X1QVJ1
UniRef90_S0G4M7
UniRef90_I8J054
UniRef90_UPI000366BAE8
UniRef90_UPI00036C9AF9
UniRef90_B6WX86
UniRef90_F8E8D2
UniRef90_U5MSU6
UniRef90_UPI00040A0FAC
UniRef90_C8X0G6
UniRef90_D7CU55
UniRef90_M1MEB4
UniRef90_L7ZXE7
UniRef90_UPI0003B4CECB
UniRef90_K1L585
UniRef90_I7K9X2
UniRef90_Q1Q1G6
UniRef90_UPI0002F08AA2
UniRef90_UPI00046D3A8D
UniRef90_A8UTD7
UniRef90_A0A017SZR4
UniRef90_Q0AXR8
UniRef90_U2Q7I9
UniRef90_UPI0003605DA1
UniRef90_UPI0003733E4B
UniRef90_R9CE56
UniRef90_M8KCA9
UniRef90_R4M8A0
UniRef90_UPI00035D3232
UniRef90_A1HTD5
UniRef90_D1CCY4

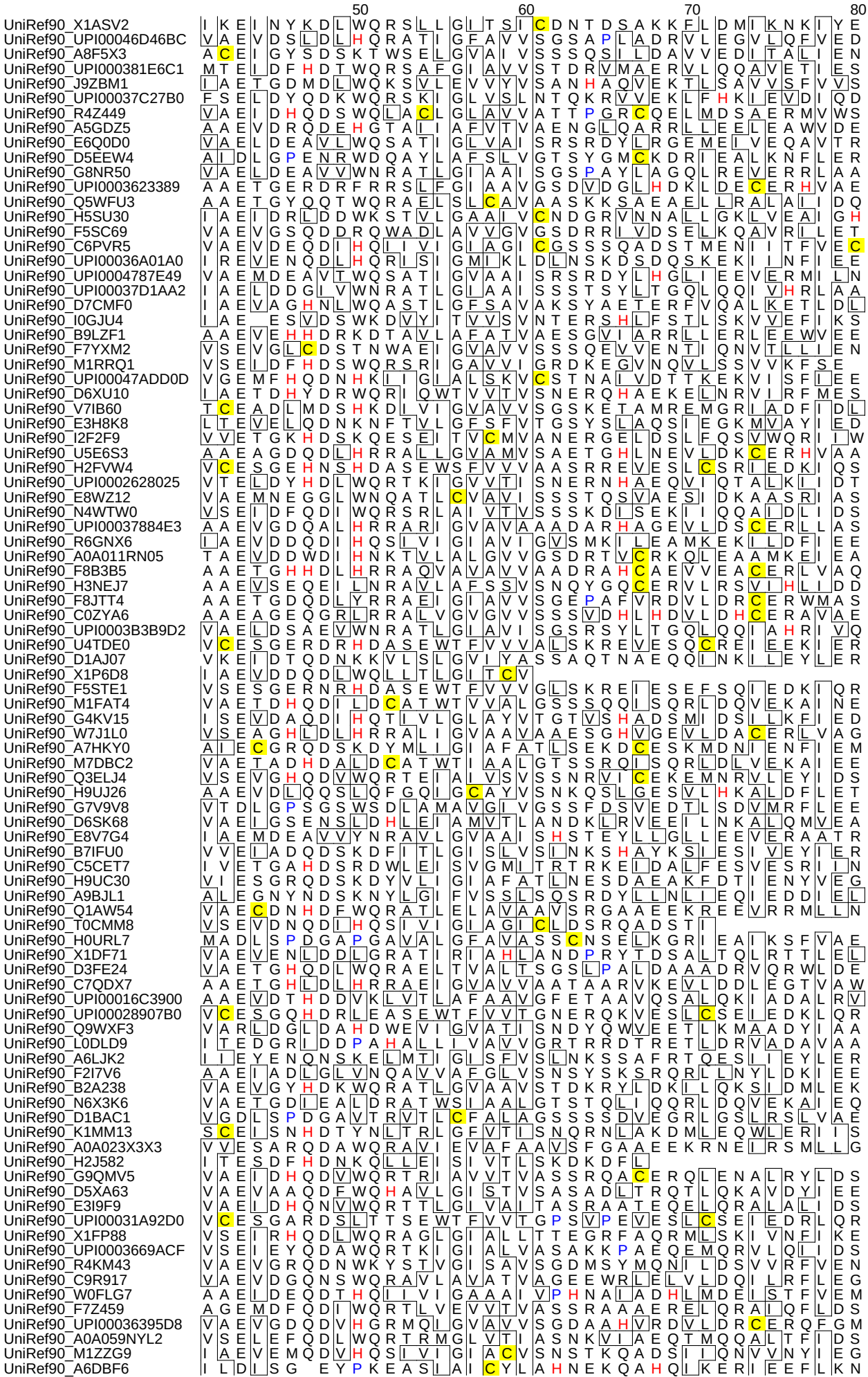

90
UniRef90_UPI000379589E C P D V E I Q Y M E R Q
UniRef90_K5B8D5 R P E M E L L S V R R
UniRef90_D1C2R7 N L Q A Y L A D V A T E V M H L D
UniRef90_F4LT53 D G R F A I E E I C K E I
UniRef90_UPI00036CE105 R P E L E L L S A R R R V
UniRef90_UPI0003761696 H P E I E I L S T R
UniRef90_G5HL66 N T E A E L L E F D R E I
UniRef90_UPI0004277F27 R P E L E L L S A R Q R
UniRef90_D4C9R3 S T E A E I V S V E R E I
UniRef90_A8UZD1 N
UniRef90_H7CYC7 N T D A E I I N I E S D N Y I F K
UniRef90_UPI00046EDF93 N P E W E L T E I Q I D
UniRef90_UPI0002E86220 F P E I E C L R V E R H
UniRef90_D5DKX1 F P E I E R T I T T F D
UniRef90_UPI0003FD41D0 F P E I E V T
UniRef90_M3IDI3 F P E W E R L L T D V E
UniRef90_UPI00047E8DA5 N T D A E I I D I Q R E
UniRef90_C7LRI6 S T A D E L V H A D M N V
UniRef90_UPI000225B536 Y S E L E T T I T H V E I
UniRef90_UPI00028968D6 N P E W E C T Q I H I E
UniRef90_C0QU20 N Y P
UniRef90_E6TS58 H P D T E I T S I N W E
UniRef90_X1GVG8 E P R I T V Q S E T V E I
UniRef90_E1YER0 L G L A E I I N T E M E L
UniRef90_UPI000381C035 N P S W E L L E F S R E
UniRef90_Q30WI9 A C P E E M T Y S D M E
UniRef90_Q3A8R9 N G N V L I T E
UniRef90_A0A059MRS7 R P E L Q L L S V R R R I
UniRef90_Q2LWU7 L Q L A E V L N S R I E I
UniRef90_T0IG05 Y G E V E T V E F F T E
UniRef90_T2GBU9 A T D E E L T D S Q M D I
UniRef90_UPI00037CB523 Q R E F V V A H E D W H I
UniRef90_B9KZH0 H T E G Y L L D Y S T E L
UniRef90_F2NFJ4 Q H V A Q V V D S Q V E L
UniRef90_D4W2P3 N Y E T E I I G I E R E I
UniRef90_UPI00040ACBF5 V P E I E T A S V Q W E
UniRef90_V5QCJ9 D G G F D L V I R D F Q I E I M
UniRef90_UPI00031C4914 F P E I E R T L T N I E
UniRef90_UPI000368D54A R P E V E L L S V R R R
UniRef90_UPI000288657A N P E W E C T
UniRef90_N9VSJ3 N T E A E L V E H V K E V
UniRef90_F0JCT5 I S P A E L T R C N T E I
UniRef90_UPI0003FE6A82 R P E V E L L S A R R R L
UniRef90_E4TJE0 T R D A F I V D I Q Q E I
UniRef90_C1DVL2 N F P E L H I D V S K E I
UniRef90_S2Y5I3 N P E W E R T E T I R E
UniRef90_UPI0003B6407A R P E I E L L A S K L R I
UniRef90_R7RNI3 D G R A E I V D I
UniRef90_L8DIE8 R P E L Q L V S V R R R
UniRef90_X1S4V3 N S R F E V E I L D Y E I E I L P V
UniRef90_UPI0003B40D49 R P E V V L C E V S V E M
UniRef90_W7C3S5 F P E W E R H Q T E T E
UniRef90_D3DGU7 N Y P E F I I
UniRef90_W9AH00 F V E L E R T Q T T V E
UniRef90_D3PEG1 F A Y I N I L S I R E E I
UniRef90_L5N2C6 F P E I E R T E T N L E
UniRef90_C4XIM7 A A L A E L V Y D D I E I
UniRef90_F8A9F4 F D E L E I I Q A E I D I
UniRef90_UPI00046D075B R V E V Q L L S T R R R V
UniRef90_W5XCB7 D P G V E I V S L D R R V E
UniRef90_UPI0003B4D411 L Y P G M I K S Y H K E L
UniRef90_X1QVJ1 N S R F E V E I L D Y E I E I L P V
UniRef90_S0G4M7 M G L A M I A D T N M E I I H L
UniRef90_I8J054 F V E L E V T R A D I E
UniRef90_UPI000366BAE8 M L G S M L V S T G I E
UniRef90_UPI00036C9AF9 N C D S E I T G I E
UniRef90_B6WX86 V C T E E M T D S E V E I Y A V D
UniRef90_F8E8D2 F H E V V I M H I N Q E I
UniRef90_U5MSU6 N T D A E I I D I Q A E E D V L
UniRef90_UPI00040A0FAC Y T E L E R T I T E V E
UniRef90_C8X0G6 I S D E E I T D V H T D I
UniRef90_D7CU55 H G T F R V A E S R V E L E A W E
UniRef90_M1MEB4 N T D A E M V E I S K E
UniRef90_L7ZXE7 F P E L E R A A T S F E
UniRef90_UPI0003B4CECB R P D I T L L S A R R R M H H S D
UniRef90_K1L585 R P D I E L L S A R R R L H
UniRef90_I7K9X2 D G R A E I I D I N I E I
UniRef90_Q1Q1G6 A S S F E L A G Y R M E
UniRef90_UPI0002F08AA2 F P E I E R A V T D V E
UniRef90_UPI00046D3A8D G F D C E I I D V R R E V
UniRef90_A8UTD7 N
UniRef90_A0A017SZR4 L P D A V L A D R A T E I
UniRef90_Q0AXR8 A G D L E I T E L K H D I Q K L D M
UniRef90_U2Q7I9 N T E G E V I D V F T E I
UniRef90_UPI0003605DA1 N Y I E V Q L L D E S I E F I
UniRef90_UPI0003733E4B D D R V E V T D W L F E I
UniRef90_R9CE56 N T D A E L V N V E K D I I V F K
UniRef90_M8KCA9 N T D A D I V R I E
UniRef90_R4M8A0 H P E F E L L S V R R
UniRef90_UPI00035D3232 T V P A E L V S V E T E V
UniRef90_A1HTD5 N A E V E Q V D F T V E
UniRef90_D1CCY4 Y H P V E L L D A E T E L


1
10
20
30
40
UniRef90_UPI00036CBC73
UniRef90_B2TKD5
UniRef90_UPI000308D5B7
UniRef90_M7NK39
UniRef90_I0JMQ6
UniRef90_UPI0004112F67
UniRef90_W6RV27
UniRef90_Q01W30
UniRef90_F6EJP9
UniRef90_Q39SY8
UniRef90_E0RR50
UniRef90_W7YW28
UniRef90_Q1IIT4
UniRef90_UPI000475A787
UniRef90_F3YZZ3
UniRef90_U4WSH2
UniRef90_UPI0003738A06
UniRef90_A0A024Q1J7
UniRef90_A0LHL9
UniRef90_K2GQV2
UniRef90_UPI000463D409
UniRef90_UPI00036C8CA5
UniRef90_UPI0003B5B57C
UniRef90_K0IYP7
UniRef90_UPI000362FECA
UniRef90_UPI000255BC3F
UniRef90_D7AHU1
UniRef90_Q3A4A6
UniRef90_C0D9H1
UniRef90_U5W8H8
UniRef90_UPI00036ED9C7
UniRef90_E3CZK9
UniRef90_F8C621
UniRef90_E8MY45
UniRef90_B8E2Y8
UniRef90_D7V044
UniRef90_W4QB59
UniRef90_UPI00036818CE
UniRef90_N9Y492
UniRef90_C0QJM5
UniRef90_U5S9P8
UniRef90_I3IQY3
UniRef90_UPI0003B4466E
UniRef90_T4W0G6
UniRef90_B2V964
UniRef90_UPI00036C7112
UniRef90_C5EIJ4
UniRef90_X0XQD0
UniRef90_E5XTI2
UniRef90_Q8EQU0
UniRef90_L1QAX0
UniRef90_D4YFE1
UniRef90_B9K7I1
UniRef90_V6J8B4
UniRef90_B0K5Y1
UniRef90_A1VG84
UniRef90_G7M2J9
UniRef90_A8ZZ64
UniRef90_UPI0003750597
UniRef90_K1L475
UniRef90_UPI0003B38C04
UniRef90_E1R1U4
UniRef90_C6HXK2
UniRef90_UPI0003B7ACE0
UniRef90_UPI000366F7D1
UniRef90_V5WHG4
UniRef90_UPI000366641D
UniRef90_F9DP69
UniRef90_S5KJV8
UniRef90_W7CC87
UniRef90_R4LTM7
UniRef90_I4BWB3
UniRef90_UPI00047A6C8D
UniRef90_I3ZKD8
UniRef90_UPI000375F237
UniRef90_W0JL80
UniRef90_W7AU12
UniRef90_UPI0003B4BC1E
UniRef90_B5E9T9
UniRef90_F8EXQ3
UniRef90_G9PU72
UniRef90_A6W7Z3
UniRef90_UPI00047BBF48
UniRef90_C1F435
UniRef90_C8XJC0
UniRef90_UPI0003771347
UniRef90_UPI0003A35EAD
UniRef90_I0I548
UniRef90_A0LE18
UniRef90_UPI0004676D28
UniRef90_B5Y927
UniRef90_E6VSQ8


50
60
70
80
UniRef90_UPI00036CBC73
UniRef90_B2TKD5
UniRef90_UPI000308D5B7
UniRef90_M7NK39
UniRef90_I0JMQ6
UniRef90_UPI0004112F67
UniRef90_W6RV27
UniRef90_Q01W30
UniRef90_F6EJP9
UniRef90_Q39SY8
UniRef90_E0RR50
UniRef90_W7YW28
UniRef90_Q1IIT4
UniRef90_UPI000475A787
UniRef90_F3YZZ3
UniRef90_U4WSH2
UniRef90_UPI0003738A06
UniRef90_A0A024Q1J7
UniRef90_A0LHL9
UniRef90_K2GQV2
UniRef90_UPI000463D409
UniRef90_UPI00036C8CA5
UniRef90_UPI0003B5B57C
UniRef90_K0IYP7
UniRef90_UPI000362FECA
UniRef90_UPI000255BC3F
UniRef90_D7AHU1
UniRef90_Q3A4A6
UniRef90_C0D9H1
UniRef90_U5W8H8
UniRef90_UPI00036ED9C7
UniRef90_E3CZK9
UniRef90_F8C621
UniRef90_E8MY45
UniRef90_B8E2Y8
UniRef90_D7V044
UniRef90_W4QB59
UniRef90_UPI00036818CE
UniRef90_N9Y492
UniRef90_C0QJM5
UniRef90_U5S9P8
UniRef90_I3IQY3
UniRef90_UPI0003B4466E
UniRef90_T4W0G6
UniRef90_B2V964
UniRef90_UPI00036C7112
UniRef90_C5EIJ4
UniRef90_X0XQD0
UniRef90_E5XTI2
UniRef90_Q8EQU0
UniRef90_L1QAX0
UniRef90_D4YFE1
UniRef90_B9K7I1
UniRef90_V6J8B4
UniRef90_B0K5Y1
UniRef90_A1VG84
UniRef90_G7M2J9
UniRef90_A8ZZ64
UniRef90_UPI0003750597
UniRef90_K1L475
UniRef90_UPI0003B38C04
UniRef90_E1R1U4
UniRef90_C6HXK2
UniRef90_UPI0003B7ACE0
UniRef90_UPI000366F7D1
UniRef90_V5WHG4
UniRef90_UPI000366641D
UniRef90_F9DP69
UniRef90_S5KJV8
UniRef90_W7CC87
UniRef90_R4LTM7
UniRef90_I4BWB3
UniRef90_UPI00047A6C8D
UniRef90_I3ZKD8
UniRef90_UPI000375F237
UniRef90_W0JL80
UniRef90_W7AU12
UniRef90_UPI0003B4BC1E
UniRef90_B5E9T9
UniRef90_F8EXQ3
UniRef90_G9PU72
UniRef90_A6W7Z3
UniRef90_UPI00047BBF48
UniRef90_C1F435
UniRef90_C8XJC0
UniRef90_UPI0003771347
UniRef90_UPI0003A35EAD
UniRef90_I0I548
UniRef90_A0LE18
UniRef90_UPI0004676D28
UniRef90_B5Y927
UniRef90_E6VSQ8

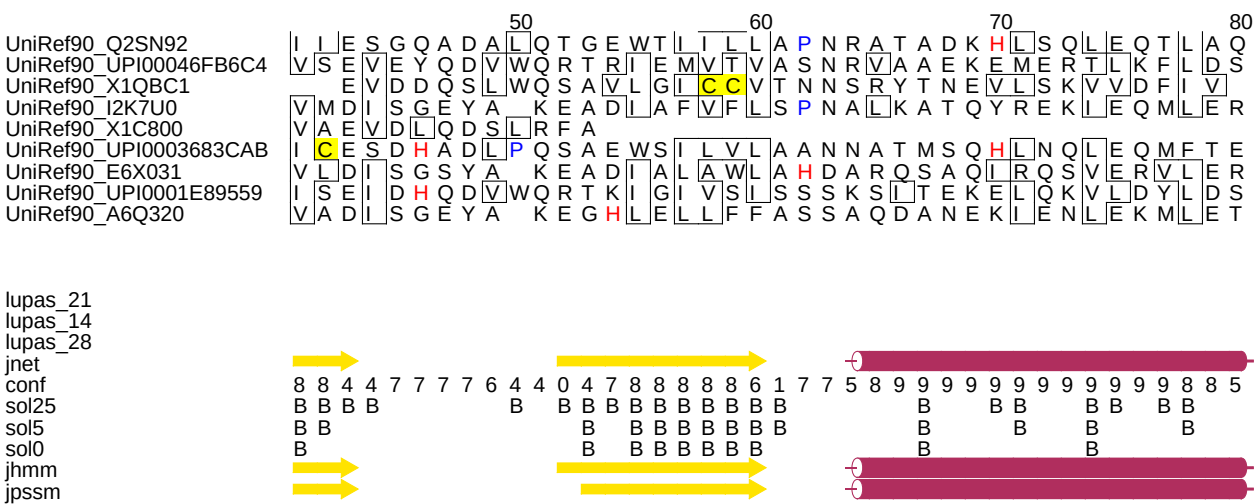

90
UniRef90_UPI00036CBC73
UniRef90_B2TKD5
UniRef90_UPI000308D5B7
UniRef90_M7NK39
UniRef90_I0JMQ6
UniRef90_UPI0004112F67
UniRef90_W6RV27
UniRef90_Q01W30
UniRef90_F6EJP9
UniRef90_Q39SY8
UniRef90_E0RR50
UniRef90_W7YW28
UniRef90_Q1IIT4
UniRef90_UPI000475A787
UniRef90_F3YZZ3
UniRef90_U4WSH2
UniRef90_UPI0003738A06
UniRef90_A0A024Q1J7
UniRef90_A0LHL9
UniRef90_K2GQV2
UniRef90_UPI000463D409
UniRef90_UPI00036C8CA5
UniRef90_UPI0003B5B57C
UniRef90_K0IYP7
UniRef90_UPI000362FECA
UniRef90_UPI000255BC3F
UniRef90_D7AHU1
UniRef90_Q3A4A6
UniRef90_C0D9H1
UniRef90_U5W8H8
UniRef90_UPI00036ED9C7
UniRef90_E3CZK9
UniRef90_F8C621
UniRef90_E8MY45
UniRef90_B8E2Y8
UniRef90_D7V044
UniRef90_W4QB59
UniRef90_UPI00036818CE
UniRef90_N9Y492
UniRef90_C0QJM5
UniRef90_U5S9P8
UniRef90_I3IQY3
UniRef90_UPI0003B4466E
UniRef90_T4W0G6
UniRef90_B2V964
UniRef90_UPI00036C7112
UniRef90_C5EIJ4
UniRef90_X0XQD0
UniRef90_E5XTI2
UniRef90_Q8EQU0
UniRef90_L1QAX0
UniRef90_D4YFE1
UniRef90_B9K7I1
UniRef90_V6J8B4
UniRef90_B0K5Y1
UniRef90_A1VG84
UniRef90_G7M2J9
UniRef90_A8ZZ64
UniRef90_UPI0003750597
UniRef90_K1L475
UniRef90_UPI0003B38C04
UniRef90_E1R1U4
UniRef90_C6HXK2
UniRef90_UPI0003B7ACE0
UniRef90_UPI000366F7D1
UniRef90_V5WHG4
UniRef90_UPI000366641D
UniRef90_F9DP69
UniRef90_S5KJV8
UniRef90_W7CC87
UniRef90_R4LTM7
UniRef90_I4BWB3
UniRef90_UPI00047A6C8D
UniRef90_I3ZKD8
UniRef90_UPI000375F237
UniRef90_W0JL80
UniRef90_W7AU12
UniRef90_UPI0003B4BC1E
UniRef90_B5E9T9
UniRef90_F8EXQ3
UniRef90_G9PU72
UniRef90_A6W7Z3
UniRef90_UPI00047BBF48
UniRef90_C1F435
UniRef90_C8XJC0
UniRef90_UPI0003771347
UniRef90_UPI0003A35EAD
UniRef90_I0I548
UniRef90_A0LE18
UniRef90_UPI0004676D28
UniRef90_B5Y927
UniRef90_E6VSQ8


1
10
20
30
40
UniRef90_X1ASV2
UniRef90_UPI00046D46BC
UniRef90_A8F5X3
UniRef90_UPI000381E6C1
UniRef90_J9ZBM1
UniRef90_UPI00037C27B0
UniRef90_R4Z449
UniRef90_A5GDZ5
UniRef90_E6Q0D0
UniRef90_D5EEW4
UniRef90_G8NR50
UniRef90_UPI0003623389
UniRef90_Q5WFU3
UniRef90_H5SU30
UniRef90_F5SC69
UniRef90_C6PVR5
UniRef90_UPI00036A01A0
UniRef90_UPI0004787E49
UniRef90_UPI00037D1AA2
UniRef90_D7CMF0
UniRef90_I0GJU4
UniRef90_B9LZF1
UniRef90_F7YXM2
UniRef90_M1RRQ1
UniRef90_UPI00047ADD0D
UniRef90_D6XU10
UniRef90_V7IB60
UniRef90_E3H8K8
UniRef90_I2F2F9
UniRef90_U5E6S3
UniRef90_H2FVW4
UniRef90_UPI0002628025
UniRef90_E8WZ12
UniRef90_N4WTW0
UniRef90_UPI00037884E3
UniRef90_R6GNX6
UniRef90_A0A011RN05
UniRef90_F8B3B5
UniRef90_H3NEJ7
UniRef90_F8JTT4
UniRef90_C0ZYA6
UniRef90_UPI0003B3B9D2
UniRef90_U4TDE0
UniRef90_D1AJ07
UniRef90_X1P6D8
UniRef90_F5STE1
UniRef90_M1FAT4
UniRef90_G4KV15
UniRef90_W7J1L0
UniRef90_A7HKY0
UniRef90_M7DBC2
UniRef90_Q3ELJ4
UniRef90_H9UJ26
UniRef90_G7V9V8
UniRef90_D6SK68
UniRef90_E8V7G4
UniRef90_B7IFU0
UniRef90_C5CET7
UniRef90_H9UC30
UniRef90_A9BJL1
UniRef90_Q1AW54
UniRef90_T0CMM8
UniRef90_H0URL7
UniRef90_X1DF71
UniRef90_D3FE24
UniRef90_C7QDX7
UniRef90_UPI00016C3900
UniRef90_UPI00028907B0
UniRef90_Q9WXF3
UniRef90_L0DLD9
UniRef90_A6LJK2
UniRef90_F2I7V6
UniRef90_B2A238
UniRef90_N6X3K6
UniRef90_D1BAC1
UniRef90_K1MM13
UniRef90_A0A023X3X3
UniRef90_H2J582
UniRef90_G9QMV5
UniRef90_D5XA63
UniRef90_E3I9F9
UniRef90_UPI00031A92D0
UniRef90_X1FP88
UniRef90_UPI0003669ACF
UniRef90_R4KM43
UniRef90_C9R917
UniRef90_W0FLG7
UniRef90_F7Z459
UniRef90_UPI00036395D8
UniRef90_A0A059NYL2
UniRef90_M1ZZG9
UniRef90_A6DBF6


50
60
70
80
UniRef90_X1ASV2
UniRef90_UPI00046D46BC
UniRef90_A8F5X3
UniRef90_UPI000381E6C1
UniRef90_J9ZBM1
UniRef90_UPI00037C27B0
UniRef90_R4Z449
UniRef90_A5GDZ5
UniRef90_E6Q0D0
UniRef90_D5EEW4
UniRef90_G8NR50
UniRef90_UPI0003623389
UniRef90_Q5WFU3
UniRef90_H5SU30
UniRef90_F5SC69
UniRef90_C6PVR5
UniRef90_UPI00036A01A0
UniRef90_UPI0004787E49
UniRef90_UPI00037D1AA2
UniRef90_D7CMF0
UniRef90_I0GJU4
UniRef90_B9LZF1
UniRef90_F7YXM2
UniRef90_M1RRQ1
UniRef90_UPI00047ADD0D
UniRef90_D6XU10
UniRef90_V7IB60
UniRef90_E3H8K8
UniRef90_I2F2F9
UniRef90_U5E6S3
UniRef90_H2FVW4
UniRef90_UPI0002628025
UniRef90_E8WZ12
UniRef90_N4WTW0
UniRef90_UPI00037884E3
UniRef90_R6GNX6
UniRef90_A0A011RN05
UniRef90_F8B3B5
UniRef90_H3NEJ7
UniRef90_F8JTT4
UniRef90_C0ZYA6
UniRef90_UPI0003B3B9D2
UniRef90_U4TDE0
UniRef90_D1AJ07
UniRef90_X1P6D8
UniRef90_F5STE1
UniRef90_M1FAT4
UniRef90_G4KV15
UniRef90_W7J1L0
UniRef90_A7HKY0
UniRef90_M7DBC2
UniRef90_Q3ELJ4
UniRef90_H9UJ26
UniRef90_G7V9V8
UniRef90_D6SK68
UniRef90_E8V7G4
UniRef90_B7IFU0
UniRef90_C5CET7
UniRef90_H9UC30
UniRef90_A9BJL1
UniRef90_Q1AW54
UniRef90_T0CMM8
UniRef90_H0URL7
UniRef90_X1DF71
UniRef90_D3FE24
UniRef90_C7QDX7
UniRef90_UPI00016C3900
UniRef90_UPI00028907B0
UniRef90_Q9WXF3
UniRef90_L0DLD9
UniRef90_A6LJK2
UniRef90_F2I7V6
UniRef90_B2A238
UniRef90_N6X3K6
UniRef90_D1BAC1
UniRef90_K1MM13
UniRef90_A0A023X3X3
UniRef90_H2J582
UniRef90_G9QMV5
UniRef90_D5XA63
UniRef90_E3I9F9
UniRef90_UPI00031A92D0
UniRef90_X1FP88
UniRef90_UPI0003669ACF
UniRef90_R4KM43
UniRef90_C9R917
UniRef90_W0FLG7
UniRef90_F7Z459
UniRef90_UPI00036395D8
UniRef90_A0A059NYL2
UniRef90_M1ZZG9
UniRef90_A6DBF6

```
                                                
```

1
10
20
30
40
UniRef90_Q2SN92 M H G F V V R I E F Q L G C A S L K E K R Q R T S G V R E K L G R Q P H L A
UniRef90_UPI00046FB6C4 Y N V A
UniRef90_X1QBC1
UniRef90_I2K7U0 H M I I C S C L L H L E L P V Q S L K G R R S V T N S M K E K L K A F N V S
UniRef90_X1C800 M V I S I L H F I I D L P G S S I K E K R R I I Q S I K E R M Q R K F K L S
UniRef90_UPI0003683CAB M E I R L V Q V G M H L E C L S L K E K R Q R L S G L K T R L G Q M P Q F A
UniRef90_E6X031 M I L A Q A I I H L E L P V H T L K G R R S V I N S L K D R L K A F N I S
UniRef90_UPI0001E89559 F N I S
UniRef90_A6Q320 M Q I V H V F V T I D L P V Q S L K G R R K I L H S I K D K L K N K N M C
lupas_21
lupas_14
lupas_28
jnet
conf 8 3 1 8 8 8 8 8 8 9 9 8 5 4 8 8 5 1 8 9 9 9 9 9 9 9 9 9 9 9 8 5 1 7 7 1 8
sol25 B B B B B B B B B B B B B B B B B B B B B B B B B B B B B
sol5 B B B B B B B B B B B B B B B B B B B B B B B B B B
sol0 B B B B B B
jhmm
jpssm


50
60
70
80
UniRef90_Q2SN92
UniRef90_UPI00046FB6C4
UniRef90_X1QBC1
UniRef90_I2K7U0
UniRef90_X1C800
UniRef90_UPI0003683CAB
UniRef90_E6X031
UniRef90_UPI0001E89559
UniRef90_A6Q320
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm

```
                                                  90
UniRef90_Q2SN92          N L D A R I T V F E Q E
UniRef90_UPI00046FB6C4   F P E W E R L D T I Y E
UniRef90_X1QBC1          N S R F E V E I L D Y E I E I L P V
UniRef90_I2K7U0          N Y H F E L E Y E E I
UniRef90_X1C800
UniRef90_UPI0003683CAB   S L D A L I T H F E
UniRef90_E6X031          H F G E Y L W D L E F E
UniRef90_UPI0001E89559   F P E I E R A E T
UniRef90_A6Q320          F P D L E I   S L Q Y E L

lupas_21
lupas_14
lupas_28
jnet
conf                     3 8 9 1 5 8 9 9 8 7 8 9 9 9 8 4 7 9
sol25                    B     B B B B B B   B B B     B
sol5                           B   B
sol0
jhmm
jpssm
```