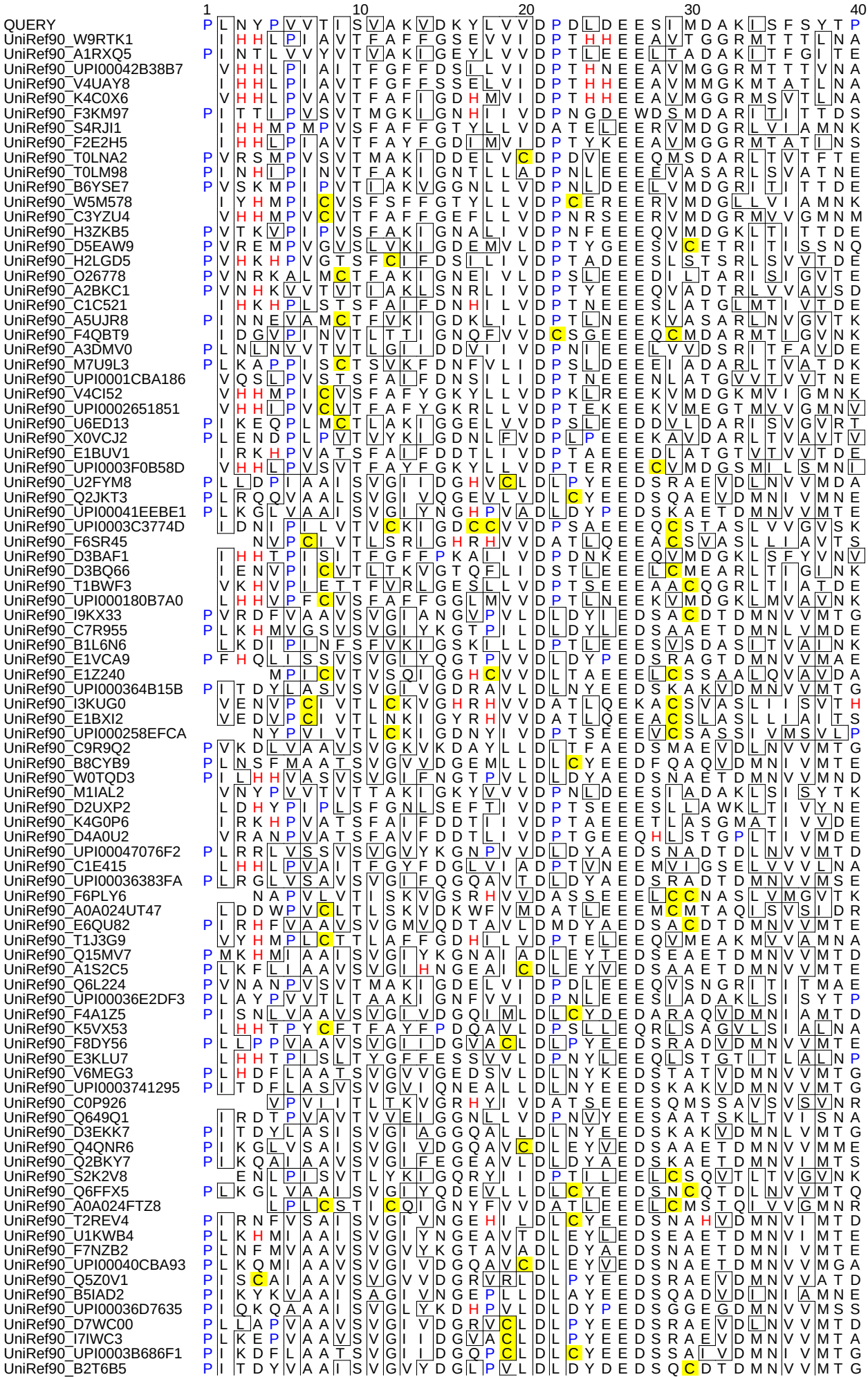
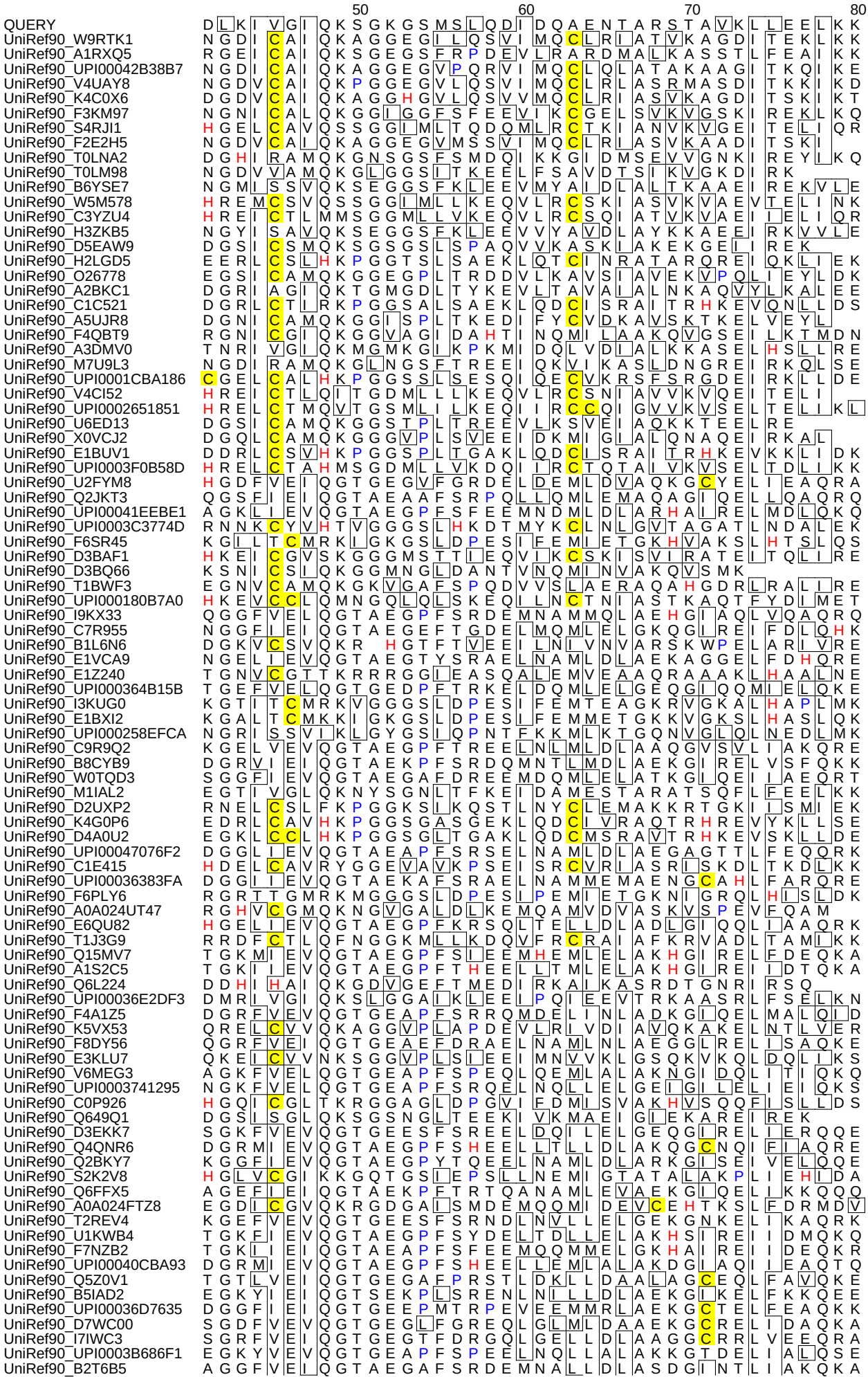
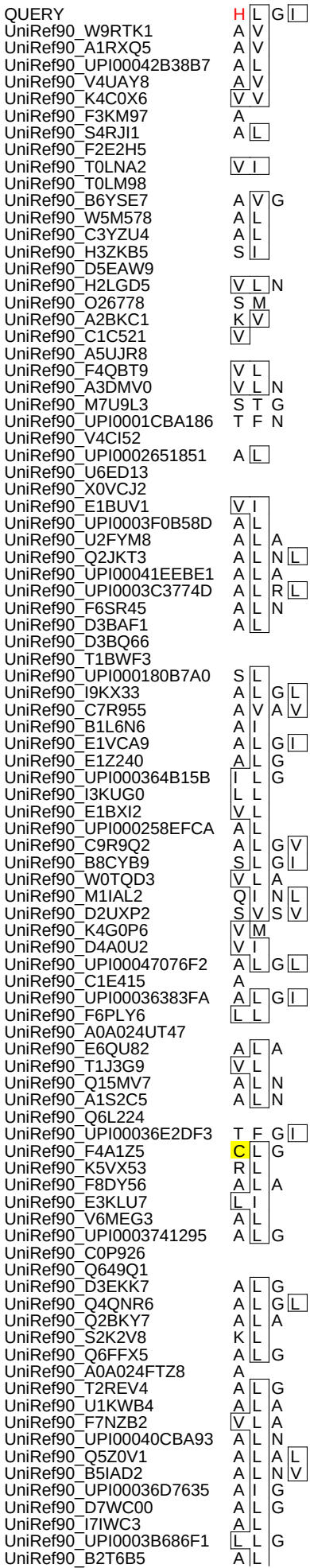
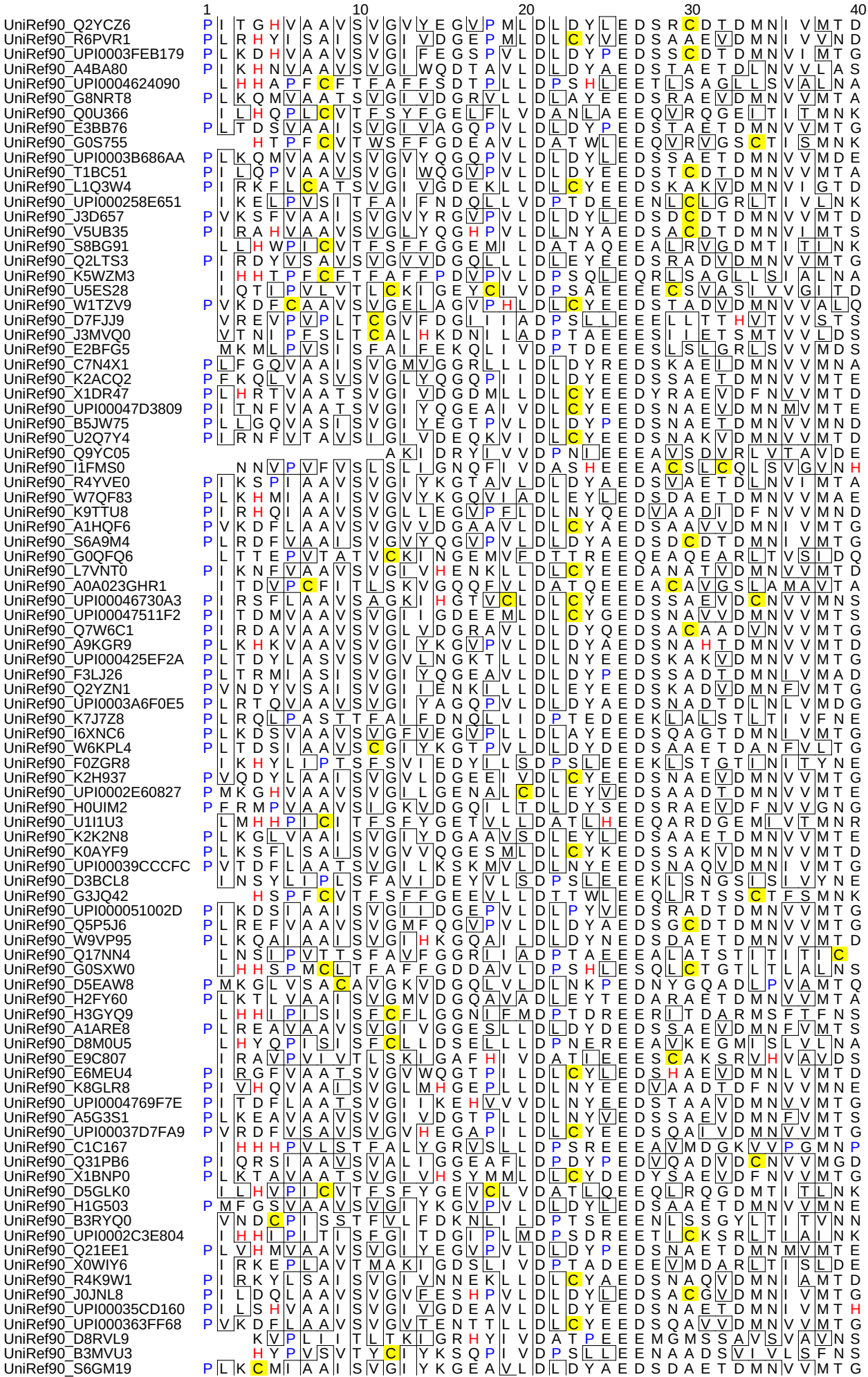
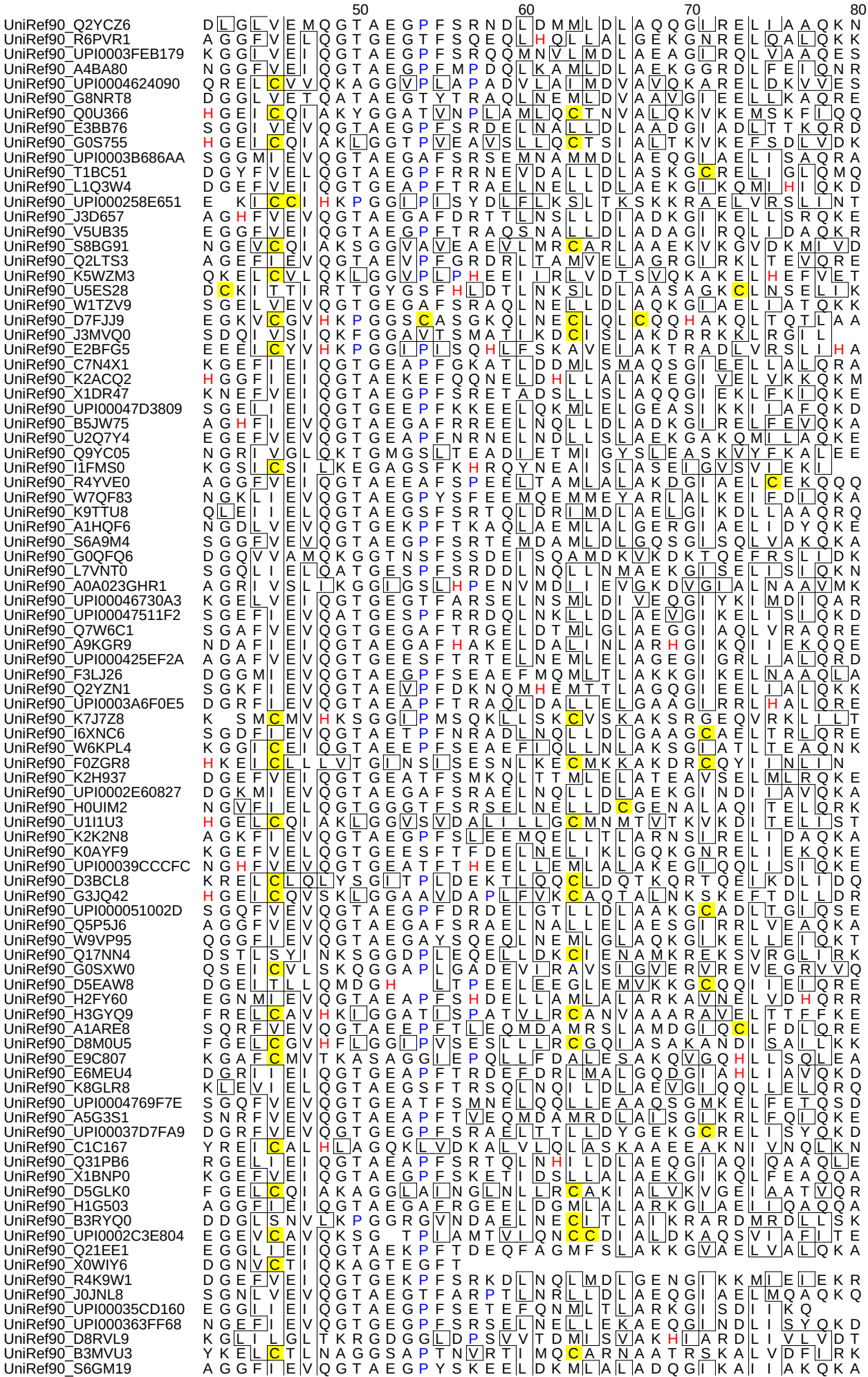
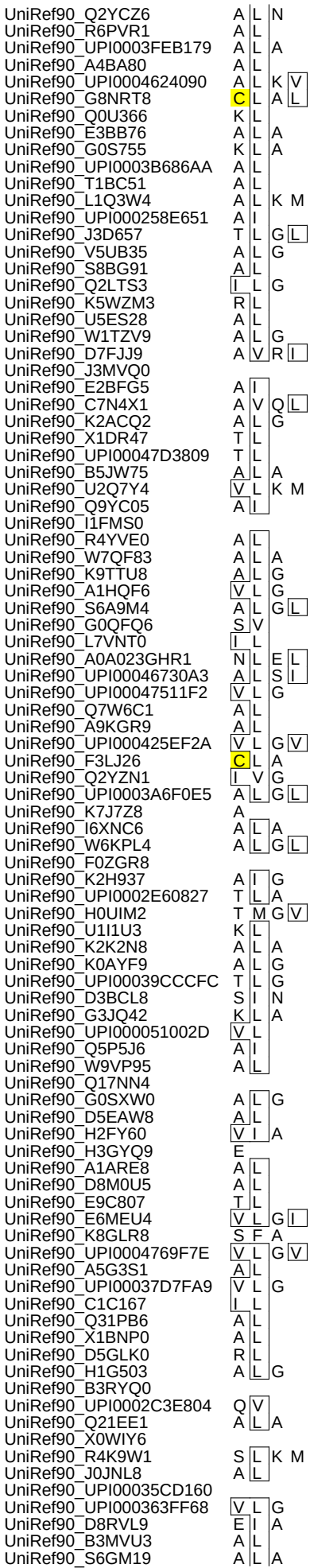

1
10
20
30
40
QUERY
UniRef90_W9RTK1
UniRef90_A1RXQ5
UniRef90_UPI00042B38B7
UniRef90_V4UAY8
UniRef90_K4C0X6
UniRef90_F3KM97
UniRef90_S4RJI1
UniRef90_F2E2H5
UniRef90_T0LNA2
UniRef90_T0LM98
UniRef90_B6YSE7
UniRef90_W5M578
UniRef90_C3YZU4
UniRef90_H3ZKB5
UniRef90_D5EAW9
UniRef90_H2LGD5
UniRef90_O26778
UniRef90_A2BKC1
UniRef90_C1C521
UniRef90_A5UJR8
UniRef90_F4QBT9
UniRef90_A3DMV0
UniRef90_M7U9L3
UniRef90_UPI0001CBA186
UniRef90_V4CI52
UniRef90_UPI0002651851
UniRef90_U6ED13
UniRef90_X0VCJ2
UniRef90_E1BUV1
UniRef90_UPI0003F0B58D
UniRef90_U2FYM8
UniRef90_Q2JKT3
UniRef90_UPI00041EEBE1
UniRef90_UPI0003C3774D
UniRef90_F6SR45
UniRef90_D3BAF1
UniRef90_D3BQ66
UniRef90_T1BWF3
UniRef90_UPI000180B7A0
UniRef90_I9KX33
UniRef90_C7R955
UniRef90_B1L6N6
UniRef90_E1VCA9
UniRef90_E1Z240
UniRef90_UPI000364B15B
UniRef90_I3KUG0
UniRef90_E1BXI2
UniRef90_UPI000258EFCA
UniRef90_C9R9Q2
UniRef90_B8CYB9
UniRef90_W0TQD3
UniRef90_M1IAL2
UniRef90_D2UXP2
UniRef90_K4G0P6
UniRef90_D4A0U2
UniRef90_UPI00047076F2
UniRef90_C1E415
UniRef90_UPI00036383FA
UniRef90_F6PLY6
UniRef90_A0A024UT47
UniRef90_E6QU82
UniRef90_T1J3G9
UniRef90_Q15MV7
UniRef90_A1S2C5
UniRef90_Q6L224
UniRef90_UPI00036E2DF3
UniRef90_F4A1Z5
UniRef90_K5VX53
UniRef90_F8DY56
UniRef90_E3KLU7
UniRef90_V6MEG3
UniRef90_UPI0003741295
UniRef90_C0P926
UniRef90_Q649Q1
UniRef90_D3EKK7
UniRef90_Q4QNR6
UniRef90_Q2BKY7
UniRef90_S2K2V8
UniRef90_Q6FFX5
UniRef90_A0A024FTZ8
UniRef90_T2REV4
UniRef90_U1KWB4
UniRef90_F7NZB2
UniRef90_UPI00040CBA93
UniRef90_Q5Z0V1
UniRef90_B5IAD2
UniRef90_UPI00036D7635
UniRef90_D7WC00
UniRef90_I7IWC3
UniRef90_UPI0003B686F1
UniRef90_B2T6B5

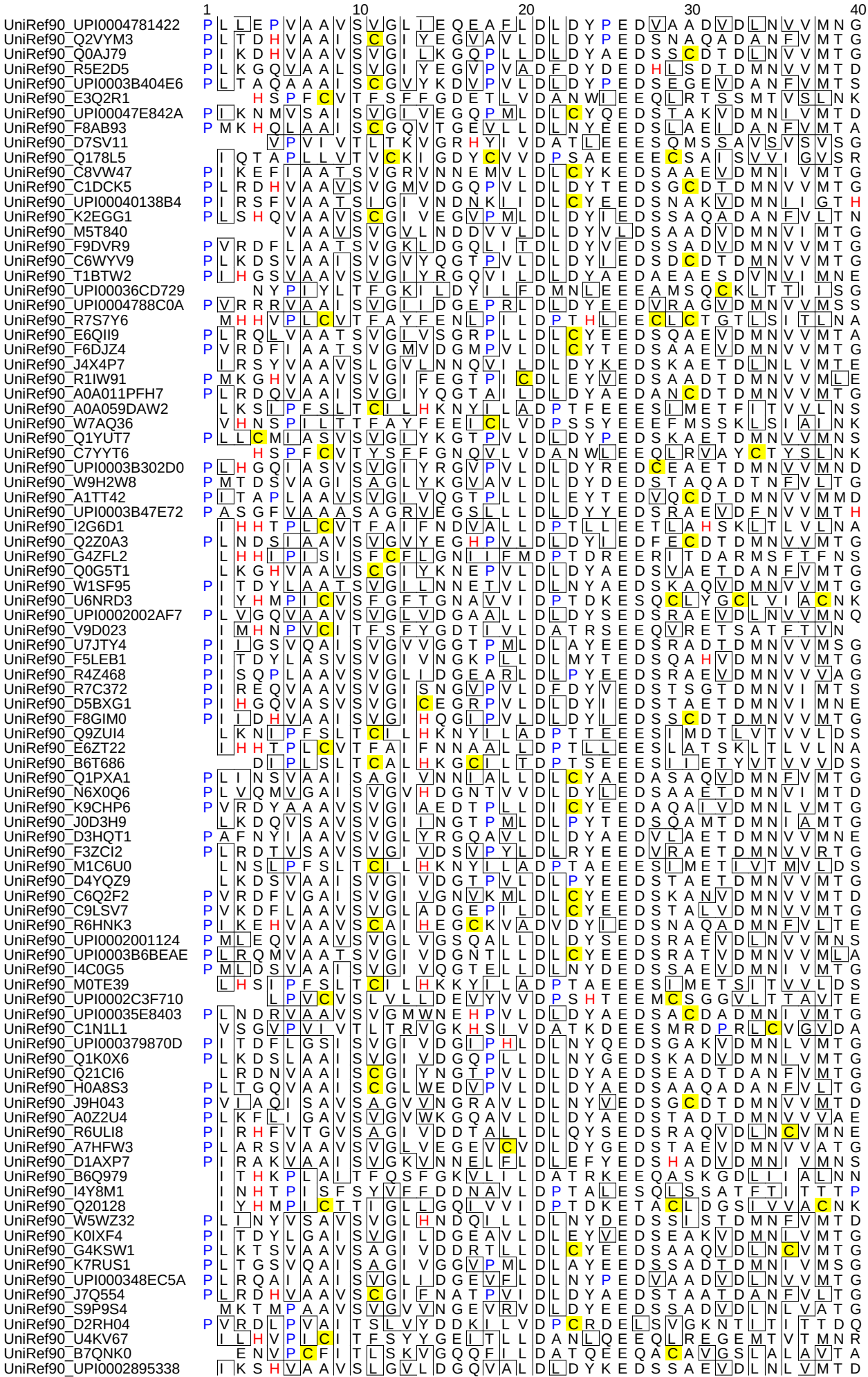

50
60
70
80
QUERY
UniRef90_W9RTK1
UniRef90_A1RXQ5
UniRef90_UPI00042B38B7
UniRef90_V4UAY8
UniRef90_K4C0X6
UniRef90_F3KM97
UniRef90_S4RJI1
UniRef90_F2E2H5
UniRef90_T0LNA2
UniRef90_T0LM98
UniRef90_B6YSE7
UniRef90_W5M578
UniRef90_C3YZU4
UniRef90_H3ZKB5
UniRef90_D5EAW9
UniRef90_H2LGD5
UniRef90_O26778
UniRef90_A2BKC1
UniRef90_C1C521
UniRef90_A5UJR8
UniRef90_F4QBT9
UniRef90_A3DMV0
UniRef90_M7U9L3
UniRef90_UPI0001CBA186
UniRef90_V4CI52
UniRef90_UPI0002651851
UniRef90_U6ED13
UniRef90_X0VCJ2
UniRef90_E1BUV1
UniRef90_UPI0003F0B58D
UniRef90_U2FYM8
UniRef90_Q2JKT3
UniRef90_UPI00041EEBE1
UniRef90_UPI0003C3774D
UniRef90_F6SR45
UniRef90_D3BAF1
UniRef90_D3BQ66
UniRef90_T1BWF3
UniRef90_UPI000180B7A0
UniRef90_I9KX33
UniRef90_C7R955
UniRef90_B1L6N6
UniRef90_E1VCA9
UniRef90_E1Z240
UniRef90_UPI000364B15B
UniRef90_I3KUG0
UniRef90_E1BXI2
UniRef90_UPI000258EFCA
UniRef90_C9R9Q2
UniRef90_B8CYB9
UniRef90_W0TQD3
UniRef90_M1IAL2
UniRef90_D2UXP2
UniRef90_K4G0P6
UniRef90_D4A0U2
UniRef90_UPI00047076F2
UniRef90_C1E415
UniRef90_UPI00036383FA
UniRef90_F6PLY6
UniRef90_A0A024UT47
UniRef90_E6QU82
UniRef90_T1J3G9
UniRef90_Q15MV7
UniRef90_A1S2C5
UniRef90_Q6L224
UniRef90_UPI00036E2DF3
UniRef90_F4A1Z5
UniRef90_K5VX53
UniRef90_F8DY56
UniRef90_E3KLU7
UniRef90_V6MEG3
UniRef90_UPI0003741295
UniRef90_C0P926
UniRef90_Q649Q1
UniRef90_D3EKK7
UniRef90_Q4QNR6
UniRef90_Q2BKY7
UniRef90_S2K2V8
UniRef90_Q6FFX5
UniRef90_A0A024FTZ8
UniRef90_T2REV4
UniRef90_U1KWB4
UniRef90_F7NZB2
UniRef90_UPI00040CBA93
UniRef90_Q5Z0V1
UniRef90_B5IAD2
UniRef90_UPI00036D7635
UniRef90_D7WC00
UniRef90_I7IWC3
UniRef90_UPI0003B686F1
UniRef90_B2T6B5

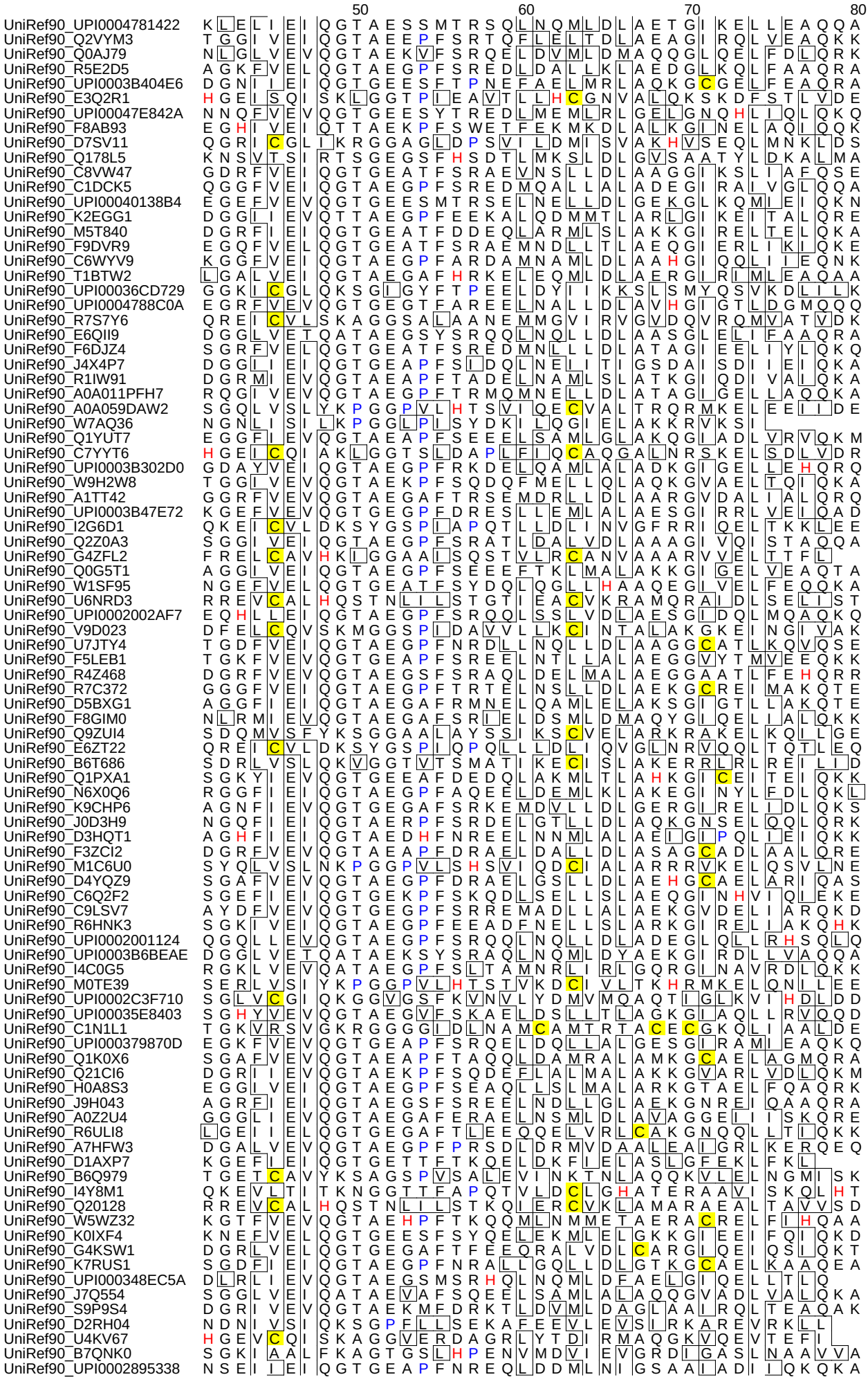

QUERY H L G I
UniRef90_W9RTK1 A V
UniRef90_A1RXQ5 A V
UniRef90_UPI00042B38B7 A L
UniRef90_V4UAY8 A V
UniRef90_K4C0X6 V V
UniRef90_F3KM97 A
UniRef90_S4RJI1 A L
UniRef90_F2E2H5
UniRef90_T0LNA2 V I
UniRef90_T0LM98
UniRef90_B6YSE7 A V G
UniRef90_W5M578 A L
UniRef90_C3YZU4 A L
UniRef90_H3ZKB5 S I
UniRef90_D5EAW9
UniRef90_H2LGD5 V L N
UniRef90_O26778 S M
UniRef90_A2BKC1 K V
UniRef90_C1C521 V
UniRef90_A5UJR8
UniRef90_F4QBT9 V L
UniRef90_A3DMV0 V L N
UniRef90_M7U9L3 S T G
UniRef90_UPI0001CBA186 T F N
UniRef90_V4CI52
UniRef90_UPI0002651851 A L
UniRef90_U6ED13
UniRef90_X0VCJ2
UniRef90_E1BUV1 V I
UniRef90_UPI0003F0B58D A L
UniRef90_U2FYM8 A L A
UniRef90_Q2JKT3 A L N L
UniRef90_UPI00041EEBE1 A L A
UniRef90_UPI0003C3774D A L R L
UniRef90_F6SR45 A L N
UniRef90_D3BAF1 A L
UniRef90_D3BQ66
UniRef90_T1BWF3
UniRef90_UPI000180B7A0 S L
UniRef90_I9KX33 A L G L
UniRef90_C7R955 A V A V
UniRef90_B1L6N6 A I
UniRef90_E1VCA9 A L G I
UniRef90_E1Z240 A L G
UniRef90_UPI000364B15B I L G
UniRef90_I3KUG0 L L
UniRef90_E1BXI2 V L
UniRef90_UPI000258EFCA A L
UniRef90_C9R9Q2 A L G V
UniRef90_B8CYB9 S L G I
UniRef90_W0TQD3 V L A
UniRef90_M1IAL2 Q I N L
UniRef90_D2UXP2 S V S V
UniRef90_K4G0P6 V M
UniRef90_D4A0U2 V I
UniRef90_UPI00047076F2 A L G L
UniRef90_C1E415 A
UniRef90_UPI00036383FA A L G I
UniRef90_F6PLY6 L L
UniRef90_A0A024UT47
UniRef90_E6QU82 A L A
UniRef90_T1J3G9 V L
UniRef90_Q15MV7 A L N
UniRef90_A1S2C5 A L N
UniRef90_Q6L224
UniRef90_UPI00036E2DF3 T F G I
UniRef90_F4A1Z5 C L G
UniRef90_K5VX53 R L
UniRef90_F8DY56 A L A
UniRef90_E3KLU7 L I
UniRef90_V6MEG3 A L
UniRef90_UPI0003741295 A L G
UniRef90_C0P926
UniRef90_Q649Q1
UniRef90_D3EKK7 A L G
UniRef90_Q4QNR6 A L G L
UniRef90_Q2BKY7 A L A
UniRef90_S2K2V8 K L
UniRef90_Q6FFX5 A L G
UniRef90_A0A024FTZ8 A
UniRef90_T2REV4 A L G
UniRef90_U1KWB4 A L A
UniRef90_F7NZB2 V L A
UniRef90_UPI00040CBA93 A L N
UniRef90_Q5Z0V1 A L A L
UniRef90_B5IAD2 A L N V
UniRef90_UPI00036D7635 A I G
UniRef90_D7WC00 A L G
UniRef90_I7IWC3 A L
UniRef90_UPI0003B686F1 L L G
UniRef90_B2T6B5 A L

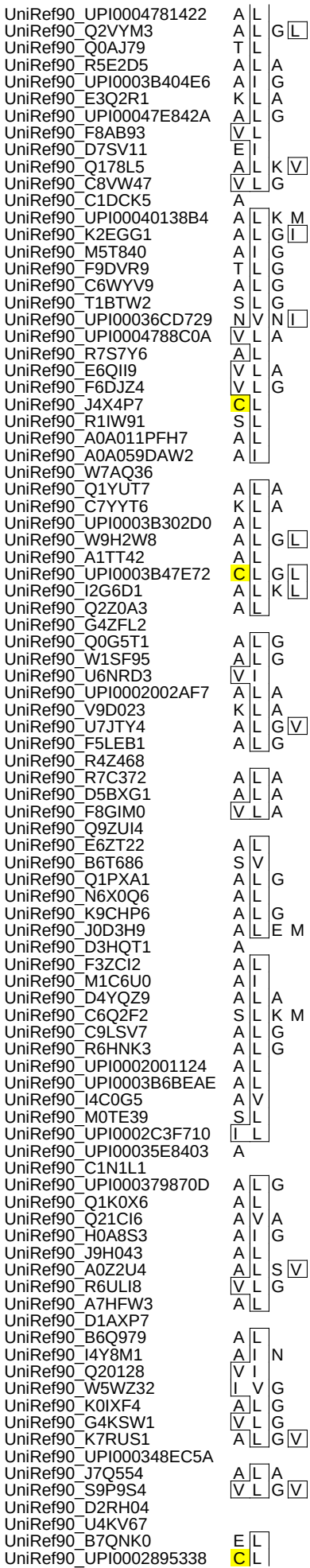

1
10
20
30
40
UniRef90_Q2YCZ6
UniRef90_R6PVR1
UniRef90_UPI0003FEB179
UniRef90_A4BA80
UniRef90_UPI0004624090
UniRef90_G8NRT8
UniRef90_Q0U366
UniRef90_E3BB76
UniRef90_G0S755
UniRef90_UPI0003B686AA
UniRef90_T1BC51
UniRef90_L1Q3W4
UniRef90_UPI000258E651
UniRef90_J3D657
UniRef90_V5UB35
UniRef90_S8BG91
UniRef90_Q2LTS3
UniRef90_K5WZM3
UniRef90_U5ES28
UniRef90_W1TZV9
UniRef90_D7FJJ9
UniRef90_J3MVQ0
UniRef90_E2BFG5
UniRef90_C7N4X1
UniRef90_K2ACQ2
UniRef90_X1DR47
UniRef90_UPI00047D3809
UniRef90_B5JW75
UniRef90_U2Q7Y4
UniRef90_Q9YC05
UniRef90_I1FMS0
UniRef90_R4YVE0
UniRef90_W7QF83
UniRef90_K9TTU8
UniRef90_A1HQF6
UniRef90_S6A9M4
UniRef90_G0QFQ6
UniRef90_L7VNT0
UniRef90_A0A023GHR1
UniRef90_UPI00046730A3
UniRef90_UPI00047511F2
UniRef90_Q7W6C1
UniRef90_A9KGR9
UniRef90_UPI000425EF2A
UniRef90_F3LJ26
UniRef90_Q2YZN1
UniRef90_UPI0003A6F0E5
UniRef90_K7J7Z8
UniRef90_I6XNC6
UniRef90_W6KPL4
UniRef90_F0ZGR8
UniRef90_K2H937
UniRef90_UPI0002E60827
UniRef90_H0UIM2
UniRef90_U1I1U3
UniRef90_K2K2N8
UniRef90_K0AYF9
UniRef90_UPI00039CCCFC
UniRef90_D3BCL8
UniRef90_G3JQ42
UniRef90_UPI000051002D
UniRef90_Q5P5J6
UniRef90_W9VP95
UniRef90_Q17NN4
UniRef90_G0SXW0
UniRef90_D5EAW8
UniRef90_H2FY60
UniRef90_H3GYQ9
UniRef90_A1ARE8
UniRef90_D8M0U5
UniRef90_E9C807
UniRef90_E6MEU4
UniRef90_K8GLR8
UniRef90_UPI0004769F7E
UniRef90_A5G3S1
UniRef90_UPI00037D7FA9
UniRef90_C1C167
UniRef90_Q31PB6
UniRef90_X1BNP0
UniRef90_D5GLK0
UniRef90_H1G503
UniRef90_B3RYQ0
UniRef90_UPI0002C3E804
UniRef90_Q21EE1
UniRef90_X0WIY6
UniRef90_R4K9W1
UniRef90_J0JNL8
UniRef90_UPI00035CD160
UniRef90_UPI000363FF68
UniRef90_D8RVL9
UniRef90_B3MVU3
UniRef90_S6GM19

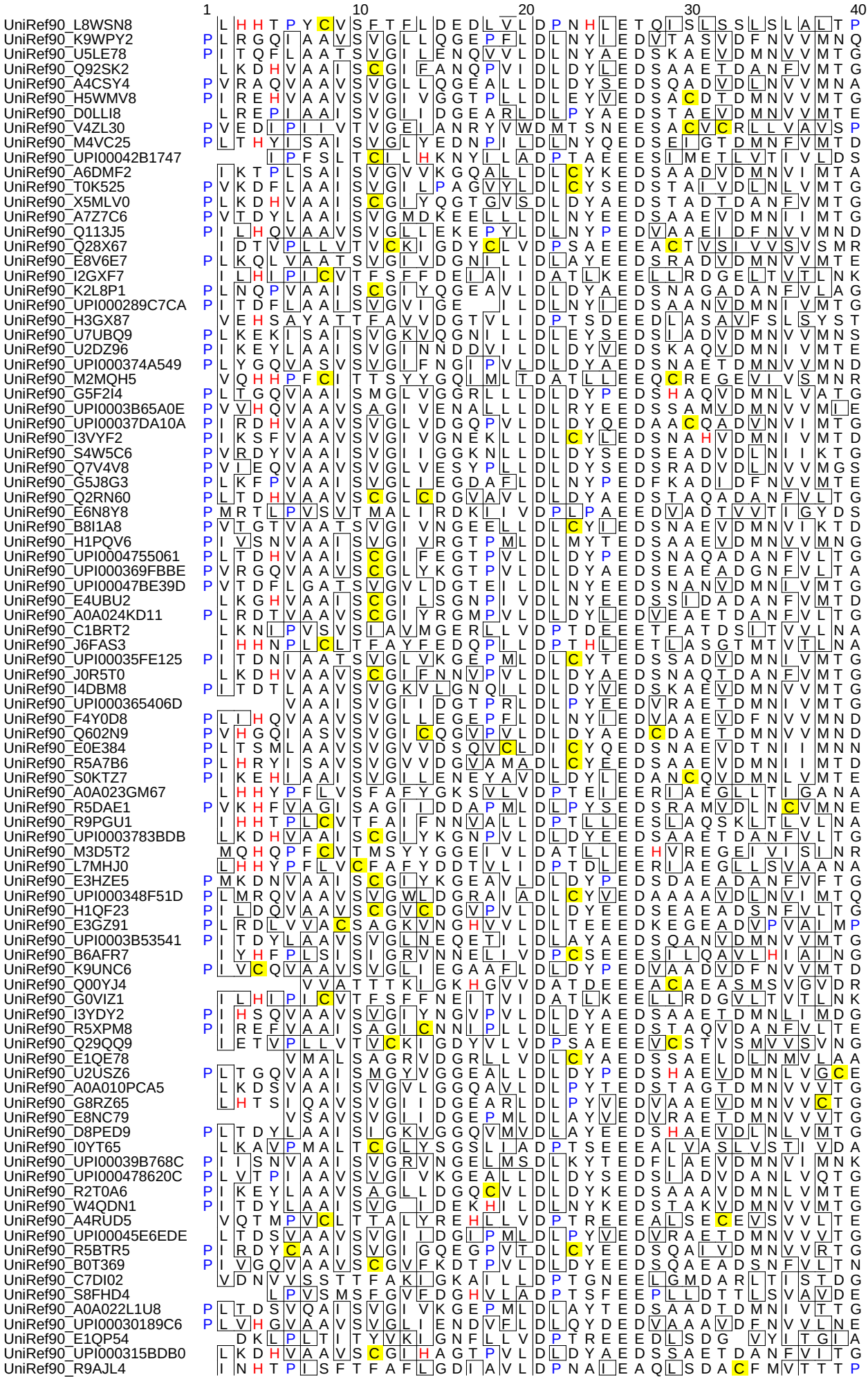

50
60
70
80
UniRef90_Q2YCZ6
UniRef90_R6PVR1
UniRef90_UPI0003FEB179
UniRef90_A4BA80
UniRef90_UPI0004624090
UniRef90_G8NRT8
UniRef90_Q0U366
UniRef90_E3BB76
UniRef90_G0S755
UniRef90_UPI0003B686AA
UniRef90_T1BC51
UniRef90_L1Q3W4
UniRef90_UPI000258E651
UniRef90_J3D657
UniRef90_V5UB35
UniRef90_S8BG91
UniRef90_Q2LTS3
UniRef90_K5WZM3
UniRef90_U5ES28
UniRef90_W1TZV9
UniRef90_D7FJJ9
UniRef90_J3MVQ0
UniRef90_E2BFG5
UniRef90_C7N4X1
UniRef90_K2ACQ2
UniRef90_X1DR47
UniRef90_UPI00047D3809
UniRef90_B5JW75
UniRef90_U2Q7Y4
UniRef90_Q9YC05
UniRef90_I1FMS0
UniRef90_R4YVE0
UniRef90_W7QF83
UniRef90_K9TTU8
UniRef90_A1HQF6
UniRef90_S6A9M4
UniRef90_G0QFQ6
UniRef90_L7VNT0
UniRef90_A0A023GHR1
UniRef90_UPI00046730A3
UniRef90_UPI00047511F2
UniRef90_Q7W6C1
UniRef90_A9KGR9
UniRef90_UPI000425EF2A
UniRef90_F3LJ26
UniRef90_Q2YZN1
UniRef90_UPI0003A6F0E5
UniRef90_K7J7Z8
UniRef90_I6XNC6
UniRef90_W6KPL4
UniRef90_F0ZGR8
UniRef90_K2H937
UniRef90_UPI0002E60827
UniRef90_H0UIM2
UniRef90_U1I1U3
UniRef90_K2K2N8
UniRef90_K0AYF9
UniRef90_UPI00039CCCFC
UniRef90_D3BCL8
UniRef90_G3JQ42
UniRef90_UPI000051002D
UniRef90_Q5P5J6
UniRef90_W9VP95
UniRef90_Q17NN4
UniRef90_G0SXW0
UniRef90_D5EAW8
UniRef90_H2FY60
UniRef90_H3GYQ9
UniRef90_A1ARE8
UniRef90_D8M0U5
UniRef90_E9C807
UniRef90_E6MEU4
UniRef90_K8GLR8
UniRef90_UPI0004769F7E
UniRef90_A5G3S1
UniRef90_UPI00037D7FA9
UniRef90_C1C167
UniRef90_Q31PB6
UniRef90_X1BNP0
UniRef90_D5GLK0
UniRef90_H1G503
UniRef90_B3RYQ0
UniRef90_UPI0002C3E804
UniRef90_Q21EE1
UniRef90_X0WIY6
UniRef90_R4K9W1
UniRef90_J0JNL8
UniRef90_UPI00035CD160
UniRef90_UPI000363FF68
UniRef90_D8RVL9
UniRef90_B3MVU3
UniRef90_S6GM19

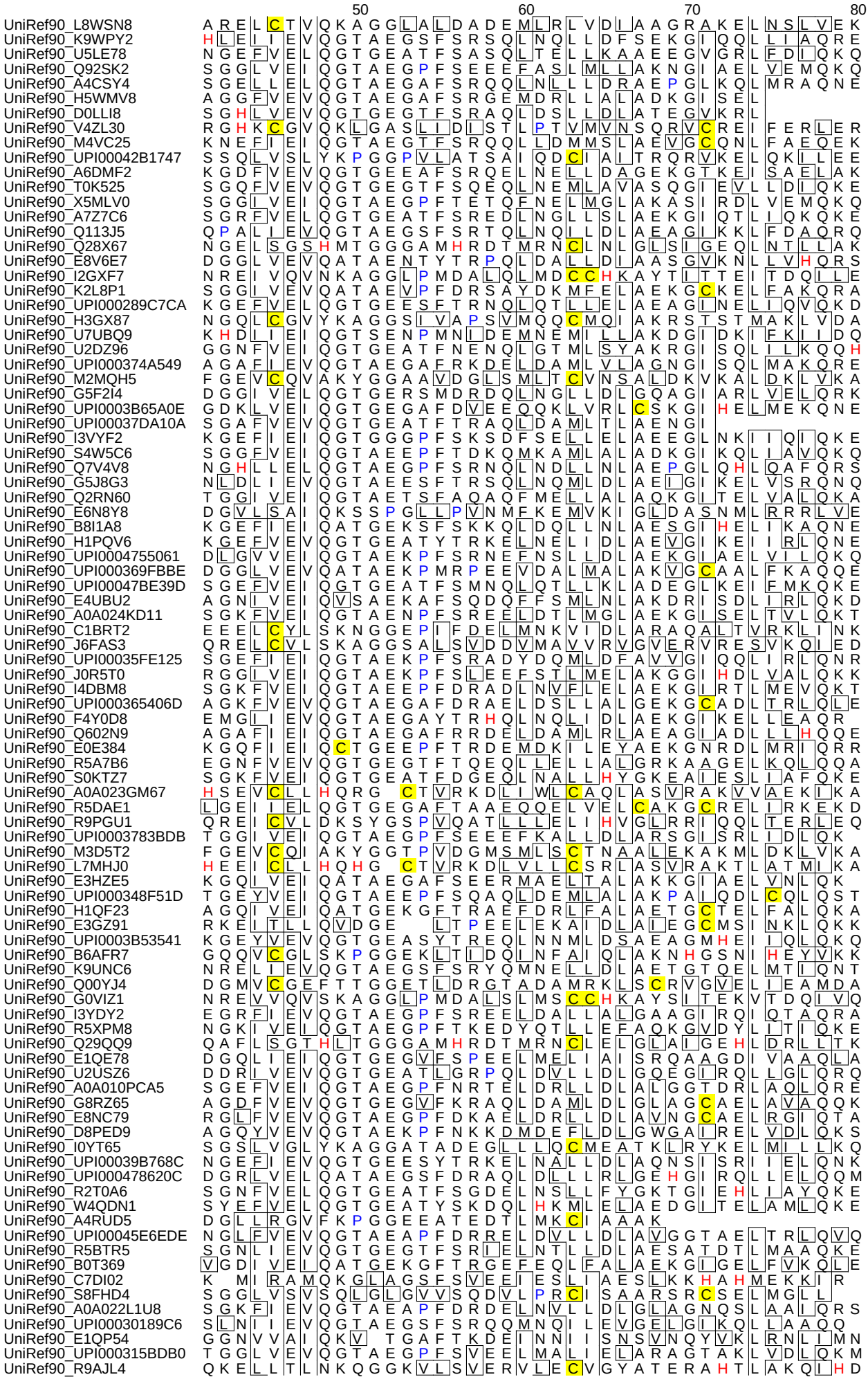

UniRef90_Q2YCZ6 A L N
UniRef90_R6PVR1 A L
UniRef90_UPI0003FEB179 A L A
UniRef90_A4BA80 A L
UniRef90_UPI0004624090 A L K V
UniRef90_G8NRT8 C L A L
UniRef90_Q0U366 K L
UniRef90_E3BB76 A L A
UniRef90_G0S755 K L A
UniRef90_UPI0003B686AA A L
UniRef90_T1BC51 A L
UniRef90_L1Q3W4 A L K M
UniRef90_UPI000258E651 A I
UniRef90_J3D657 T L G L
UniRef90_V5UB35 A L G
UniRef90_S8BG91 A L
UniRef90_Q2LTS3 I L G
UniRef90_K5WZM3 R L
UniRef90_U5ES28 A L
UniRef90_W1TZV9 A L G
UniRef90_D7FJJ9 A V R I
UniRef90_J3MVQ0
UniRef90_E2BFG5 A I
UniRef90_C7N4X1 A V Q L
UniRef90_K2ACQ2 A L G
UniRef90_X1DR47 T L
UniRef90_UPI00047D3809 T L
UniRef90_B5JW75 A L A
UniRef90_U2Q7Y4 V L K M
UniRef90_Q9YC05 A I
UniRef90_I1FMS0
UniRef90_R4YVE0 A L
UniRef90_W7QF83 A L A
UniRef90_K9TTU8 A L G
UniRef90_A1HQF6 V L G
UniRef90_S6A9M4 A L G L
UniRef90_G0QFQ6 S V
UniRef90_L7VNT0 I L
UniRef90_A0A023GHR1 N L E L
UniRef90_UPI00046730A3 A L S I
UniRef90_UPI00047511F2 V L G
UniRef90_Q7W6C1 A L
UniRef90_A9KGR9 A L
UniRef90_UPI000425EF2A V L G V
UniRef90_F3LJ26 C L A
UniRef90_Q2YZN1 I V G
UniRef90_UPI0003A6F0E5 A L G L
UniRef90_K7J7Z8 A
UniRef90_I6XNC6 A L A
UniRef90_W6KPL4 A L G L
UniRef90_F0ZGR8
UniRef90_K2H937 A I G
UniRef90_UPI0002E60827 T L A
UniRef90_H0UIM2 T M G V
UniRef90_U1I1U3 K L
UniRef90_K2K2N8 A L A
UniRef90_K0AYF9 A L G
UniRef90_UPI00039CCCFC T L G
UniRef90_D3BCL8 S I N
UniRef90_G3JQ42 K L A
UniRef90_UPI000051002D V L
UniRef90_Q5P5J6 A I
UniRef90_W9VP95 A L
UniRef90_Q17NN4
UniRef90_G0SXW0 A L G
UniRef90_D5EAW8 A L
UniRef90_H2FY60 V I A
UniRef90_H3GYQ9 E
UniRef90_A1ARE8 A L
UniRef90_D8M0U5 A L
UniRef90_E9C807 T L
UniRef90_E6MEU4 V L G I
UniRef90_K8GLR8 S F A
UniRef90_UPI0004769F7E V L G V
UniRef90_A5G3S1 A L
UniRef90_UPI00037D7FA9 V L G
UniRef90_C1C167 I L
UniRef90_Q31PB6 A L
UniRef90_X1BNP0 A L
UniRef90_D5GLK0 R L
UniRef90_H1G503 A L G
UniRef90_B3RYQ0
UniRef90_UPI0002C3E804 Q V
UniRef90_Q21EE1 A L A
UniRef90_X0WIY6
UniRef90_R4K9W1 S L K M
UniRef90_J0JNL8 A L
UniRef90_UPI00035CD160
UniRef90_UPI000363FF68 V L G
UniRef90_D8RVL9 E I A
UniRef90_B3MVU3 A L
UniRef90_S6GM19 A L A

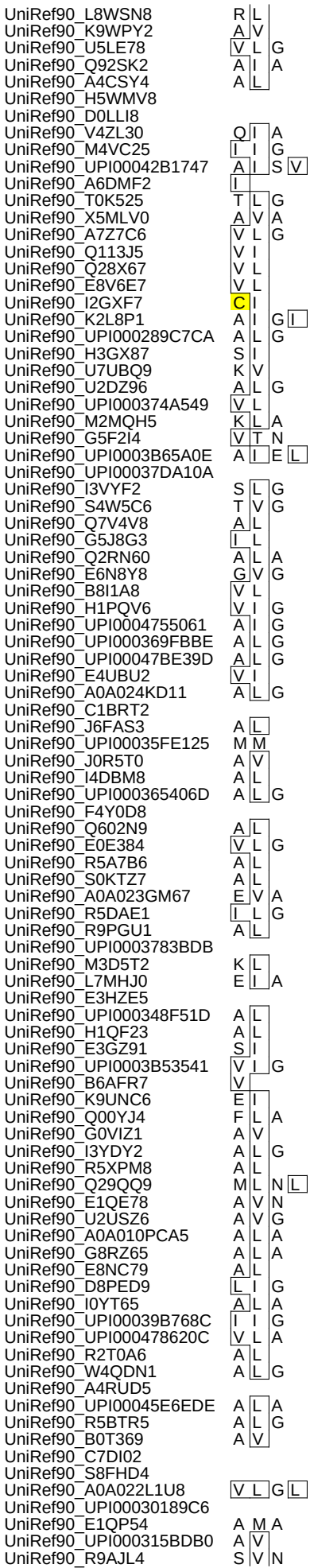

1
10
20
30
40
UniRef90_UPI0004781422
UniRef90_Q2VYM3
UniRef90_Q0AJ79
UniRef90_R5E2D5
UniRef90_UPI0003B404E6
UniRef90_E3Q2R1
UniRef90_UPI00047E842A
UniRef90_F8AB93
UniRef90_D7SV11
UniRef90_Q178L5
UniRef90_C8VW47
UniRef90_C1DCK5
UniRef90_UPI00040138B4
UniRef90_K2EGG1
UniRef90_M5T840
UniRef90_F9DVR9
UniRef90_C6WYV9
UniRef90_T1BTW2
UniRef90_UPI00036CD729
UniRef90_UPI0004788C0A
UniRef90_R7S7Y6
UniRef90_E6QII9
UniRef90_F6DJZ4
UniRef90_J4X4P7
UniRef90_R1IW91
UniRef90_A0A011PFH7
UniRef90_A0A059DAW2
UniRef90_W7AQ36
UniRef90_Q1YUT7
UniRef90_C7YYT6
UniRef90_UPI0003B302D0
UniRef90_W9H2W8
UniRef90_A1TT42
UniRef90_UPI0003B47E72
UniRef90_I2G6D1
UniRef90_Q2Z0A3
UniRef90_G4ZFL2
UniRef90_Q0G5T1
UniRef90_W1SF95
UniRef90_U6NRD3
UniRef90_UPI0002002AF7
UniRef90_V9D023
UniRef90_U7JTY4
UniRef90_F5LEB1
UniRef90_R4Z468
UniRef90_R7C372
UniRef90_D5BXG1
UniRef90_F8GIM0
UniRef90_Q9ZUI4
UniRef90_E6ZT22
UniRef90_B6T686
UniRef90_Q1PXA1
UniRef90_N6X0Q6
UniRef90_K9CHP6
UniRef90_J0D3H9
UniRef90_D3HQT1
UniRef90_F3ZCI2
UniRef90_M1C6U0
UniRef90_D4YQZ9
UniRef90_C6Q2F2
UniRef90_C9LSV7
UniRef90_R6HNK3
UniRef90_UPI0002001124
UniRef90_UPI0003B6BEAE
UniRef90_I4C0G5
UniRef90_M0TE39
UniRef90_UPI0002C3F710
UniRef90_UPI00035E8403
UniRef90_C1N1L1
UniRef90_UPI000379870D
UniRef90_Q1K0X6
UniRef90_Q21CI6
UniRef90_H0A8S3
UniRef90_J9H043
UniRef90_A0Z2U4
UniRef90_R6ULI8
UniRef90_A7HFW3
UniRef90_D1AXP7
UniRef90_B6Q979
UniRef90_I4Y8M1
UniRef90_Q20128
UniRef90_W5WZ32
UniRef90_K0IXF4
UniRef90_G4KSW1
UniRef90_K7RUS1
UniRef90_UPI000348EC5A
UniRef90_J7Q554
UniRef90_S9P9S4
UniRef90_D2RH04
UniRef90_U4KV67
UniRef90_B7QNK0
UniRef90_UPI0002895338

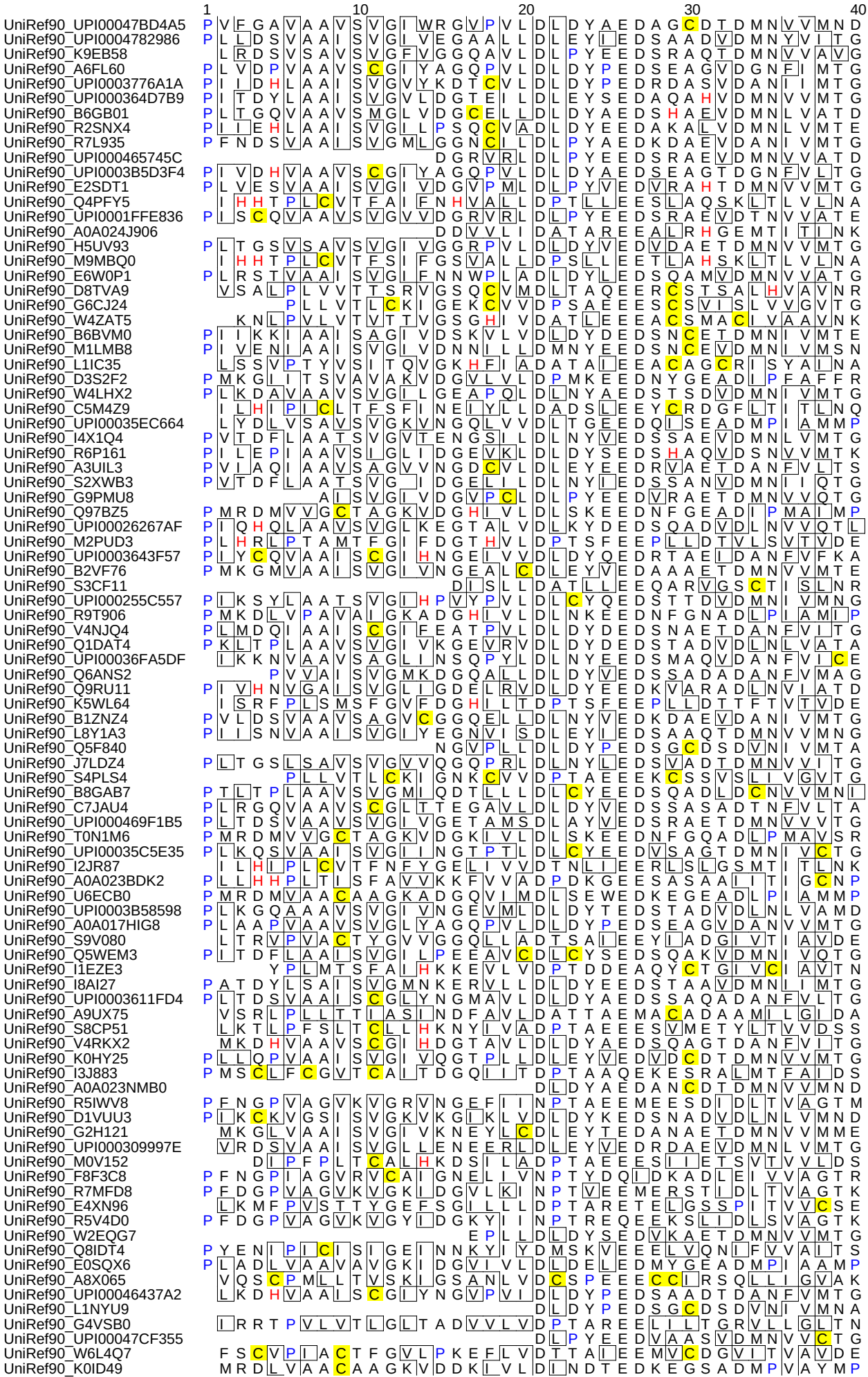

50
60
70
80
UniRef90_UPI0004781422
UniRef90_Q2VYM3
UniRef90_Q0AJ79
UniRef90_R5E2D5
UniRef90_UPI0003B404E6
UniRef90_E3Q2R1
UniRef90_UPI00047E842A
UniRef90_F8AB93
UniRef90_D7SV11
UniRef90_Q178L5
UniRef90_C8VW47
UniRef90_C1DCK5
UniRef90_UPI00040138B4
UniRef90_K2EGG1
UniRef90_M5T840
UniRef90_F9DVR9
UniRef90_C6WYV9
UniRef90_T1BTW2
UniRef90_UPI00036CD729
UniRef90_UPI0004788C0A
UniRef90_R7S7Y6
UniRef90_E6QII9
UniRef90_F6DJZ4
UniRef90_J4X4P7
UniRef90_R1IW91
UniRef90_A0A011PFH7
UniRef90_A0A059DAW2
UniRef90_W7AQ36
UniRef90_Q1YUT7
UniRef90_C7YYT6
UniRef90_UPI0003B302D0
UniRef90_W9H2W8
UniRef90_A1TT42
UniRef90_UPI0003B47E72
UniRef90_I2G6D1
UniRef90_Q2Z0A3
UniRef90_G4ZFL2
UniRef90_Q0G5T1
UniRef90_W1SF95
UniRef90_U6NRD3
UniRef90_UPI0002002AF7
UniRef90_V9D023
UniRef90_U7JTY4
UniRef90_F5LEB1
UniRef90_R4Z468
UniRef90_R7C372
UniRef90_D5BXG1
UniRef90_F8GIM0
UniRef90_Q9ZUI4
UniRef90_E6ZT22
UniRef90_B6T686
UniRef90_Q1PXA1
UniRef90_N6X0Q6
UniRef90_K9CHP6
UniRef90_J0D3H9
UniRef90_D3HQT1
UniRef90_F3ZCI2
UniRef90_M1C6U0
UniRef90_D4YQZ9
UniRef90_C6Q2F2
UniRef90_C9LSV7
UniRef90_R6HNK3
UniRef90_UPI0002001124
UniRef90_UPI0003B6BEAE
UniRef90_I4C0G5
UniRef90_M0TE39
UniRef90_UPI0002C3F710
UniRef90_UPI00035E8403
UniRef90_C1N1L1
UniRef90_UPI000379870D
UniRef90_Q1K0X6
UniRef90_Q21CI6
UniRef90_H0A8S3
UniRef90_J9H043
UniRef90_A0Z2U4
UniRef90_R6ULI8
UniRef90_A7HFW3
UniRef90_D1AXP7
UniRef90_B6Q979
UniRef90_I4Y8M1
UniRef90_Q20128
UniRef90_W5WZ32
UniRef90_K0IXF4
UniRef90_G4KSW1
UniRef90_K7RUS1
UniRef90_UPI000348EC5A
UniRef90_J7Q554
UniRef90_S9P9S4
UniRef90_D2RH04
UniRef90_U4KV67
UniRef90_B7QNK0
UniRef90_UPI0002895338

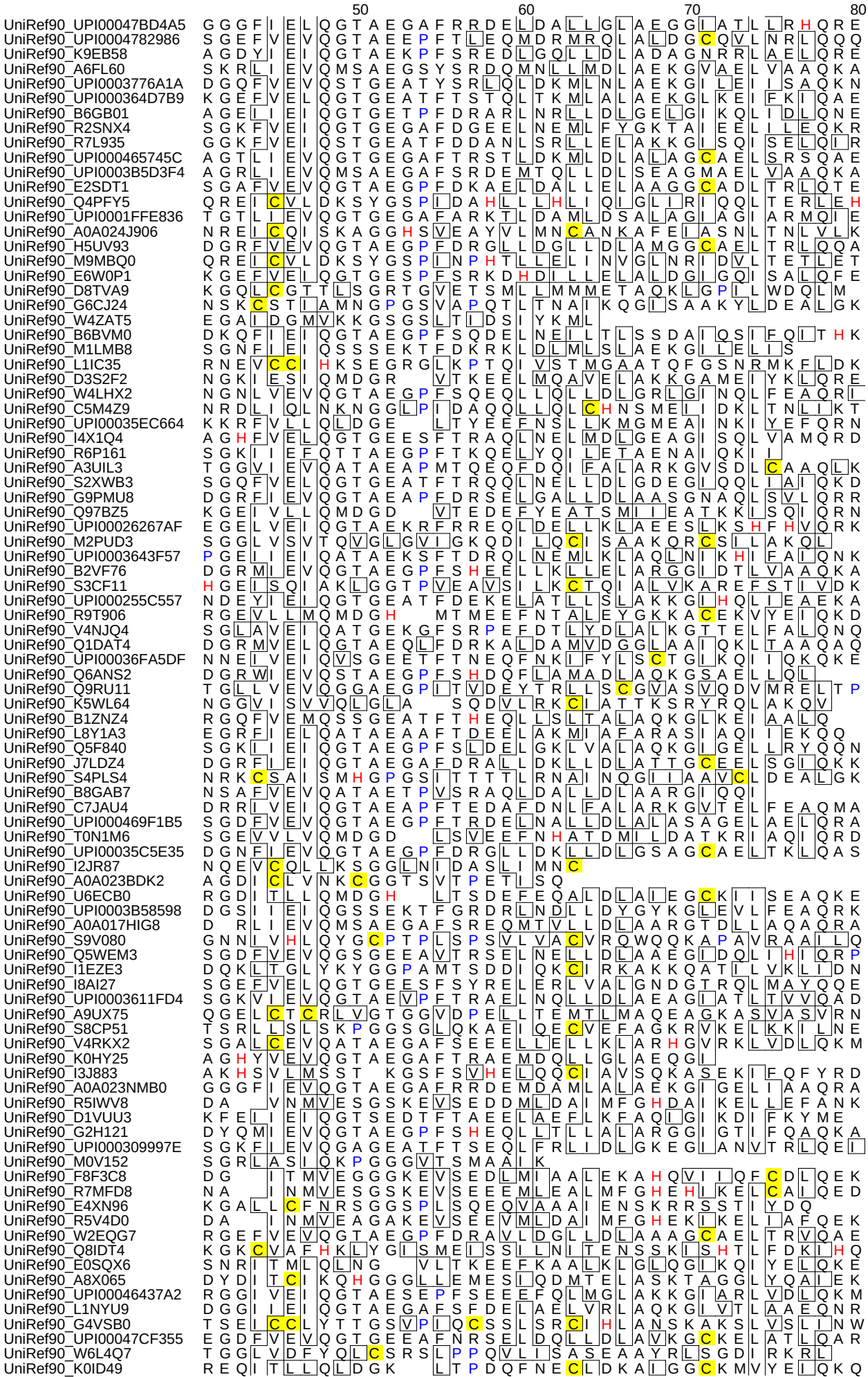

UniRef90_UPI0004781422 A L
UniRef90_Q2VYM3 A L G L
UniRef90_Q0AJ79 T L
UniRef90_R5E2D5 A L A
UniRef90_UPI0003B404E6 A I G
UniRef90_E3Q2R1 K L A
UniRef90_UPI00047E842A A L G
UniRef90_F8AB93 V L
UniRef90_D7SV11 E I
UniRef90_Q178L5 A L K V
UniRef90_C8VW47 V L G
UniRef90_C1DCK5 A
UniRef90_UPI00040138B4 A L K M
UniRef90_K2EGG1 A L G I
UniRef90_M5T840 A I G
UniRef90_F9DVR9 T L G
UniRef90_C6WYV9 A L G
UniRef90_T1BTW2 S L G
UniRef90_UPI00036CD729 N V N I
UniRef90_UPI0004788C0A V L A
UniRef90_R7S7Y6 A L
UniRef90_E6QII9 V L A
UniRef90_F6DJZ4 V L G
UniRef90_J4X4P7 C L
UniRef90_R1IW91 S L
UniRef90_A0A011PFH7 A L
UniRef90_A0A059DAW2 A I
UniRef90_W7AQ36
UniRef90_Q1YUT7 A L A
UniRef90_C7YYT6 K L A
UniRef90_UPI0003B302D0 A L
UniRef90_W9H2W8 A L G L
UniRef90_A1TT42 A L
UniRef90_UPI0003B47E72 C L G L
UniRef90_I2G6D1 A L K L
UniRef90_Q2Z0A3 A L
UniRef90_G4ZFL2
UniRef90_Q0G5T1 A L G
UniRef90_W1SF95 A L G
UniRef90_U6NRD3 V I
UniRef90_UPI0002002AF7 A L A
UniRef90_V9D023 K L A
UniRef90_U7JTY4 A L G V
UniRef90_F5LEB1 A L G
UniRef90_R4Z468
UniRef90_R7C372 A L A
UniRef90_D5BXG1 A L A
UniRef90_F8GIM0 V L A
UniRef90_Q9ZUI4
UniRef90_E6ZT22 A L
UniRef90_B6T686 S V
UniRef90_Q1PXA1 A L G
UniRef90_N6X0Q6 A L
UniRef90_K9CHP6 A L G
UniRef90_J0D3H9 A L E M
UniRef90_D3HQT1 A
UniRef90_F3ZCI2 A L
UniRef90_M1C6U0 A I
UniRef90_D4YQZ9 A L A
UniRef90_C6Q2F2 S L K M
UniRef90_C9LSV7 A L G
UniRef90_R6HNK3 A L G
UniRef90_UPI0002001124 A L
UniRef90_UPI0003B6BEAE A L
UniRef90_I4C0G5 A V
UniRef90_M0TE39 S L
UniRef90_UPI0002C3F710 I L
UniRef90_UPI00035E8403 A
UniRef90_C1N1L1
UniRef90_UPI000379870D A L G
UniRef90_Q1K0X6 A L
UniRef90_Q21CI6 A V A
UniRef90_H0A8S3 A I G
UniRef90_J9H043 A L
UniRef90_A0Z2U4 A L S V
UniRef90_R6ULI8 V L G
UniRef90_A7HFW3 A L
UniRef90_D1AXP7
UniRef90_B6Q979 A L
UniRef90_I4Y8M1 A I N
UniRef90_Q20128 V I
UniRef90_W5WZ32 I V G
UniRef90_K0IXF4 A L G
UniRef90_G4KSW1 V L G
UniRef90_K7RUS1 A L G V
UniRef90_UPI000348EC5A
UniRef90_J7Q554 A L A
UniRef90_S9P9S4 V L G V
UniRef90_D2RH04
UniRef90_U4KV67
UniRef90_B7QNK0 E L
UniRef90_UPI0002895338 C L

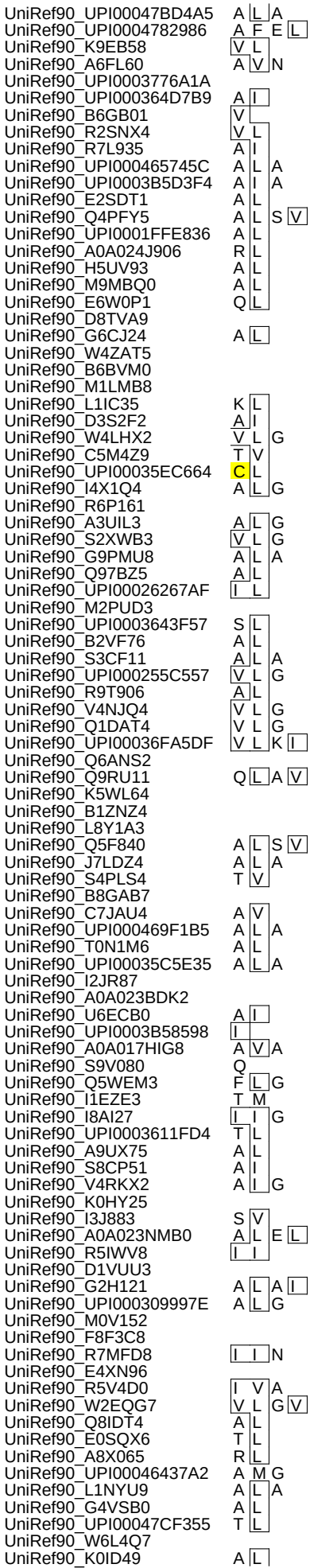

1
10
20
30
40
UniRef90_L8WSN8
UniRef90_K9WPY2
UniRef90_U5LE78
UniRef90_Q92SK2
UniRef90_A4CSY4
UniRef90_H5WMV8
UniRef90_D0LLI8
UniRef90_V4ZL30
UniRef90_M4VC25
UniRef90_UPI00042B1747
UniRef90_A6DMF2
UniRef90_T0K525
UniRef90_X5MLV0
UniRef90_A7Z7C6
UniRef90_Q113J5
UniRef90_Q28X67
UniRef90_E8V6E7
UniRef90_I2GXF7
UniRef90_K2L8P1
UniRef90_UPI000289C7CA
UniRef90_H3GX87
UniRef90_U7UBQ9
UniRef90_U2DZ96
UniRef90_UPI000374A549
UniRef90_M2MQH5
UniRef90_G5F2I4
UniRef90_UPI0003B65A0E
UniRef90_UPI00037DA10A
UniRef90_I3VYF2
UniRef90_S4W5C6
UniRef90_Q7V4V8
UniRef90_G5J8G3
UniRef90_Q2RN60
UniRef90_E6N8Y8
UniRef90_B8I1A8
UniRef90_H1PQV6
UniRef90_UPI0004755061
UniRef90_UPI000369FBBE
UniRef90_UPI00047BE39D
UniRef90_E4UBU2
UniRef90_A0A024KD11
UniRef90_C1BRT2
UniRef90_J6FAS3
UniRef90_UPI00035FE125
UniRef90_J0R5T0
UniRef90_I4DBM8
UniRef90_UPI000365406D
UniRef90_F4Y0D8
UniRef90_Q602N9
UniRef90_E0E384
UniRef90_R5A7B6
UniRef90_S0KTZ7
UniRef90_A0A023GM67
UniRef90_R5DAE1
UniRef90_R9PGU1
UniRef90_UPI0003783BDB
UniRef90_M3D5T2
UniRef90_L7MHJ0
UniRef90_E3HZE5
UniRef90_UPI000348F51D
UniRef90_H1QF23
UniRef90_E3GZ91
UniRef90_UPI0003B53541
UniRef90_B6AFR7
UniRef90_K9UNC6
UniRef90_Q00YJ4
UniRef90_G0VIZ1
UniRef90_I3YDY2
UniRef90_R5XPM8
UniRef90_Q29QQ9
UniRef90_E1QE78
UniRef90_U2USZ6
UniRef90_A0A010PCA5
UniRef90_G8RZ65
UniRef90_E8NC79
UniRef90_D8PED9
UniRef90_I0YT65
UniRef90_UPI00039B768C
UniRef90_UPI000478620C
UniRef90_R2T0A6
UniRef90_W4QDN1
UniRef90_A4RUD5
UniRef90_UPI00045E6EDE
UniRef90_R5BTR5
UniRef90_B0T369
UniRef90_C7DI02
UniRef90_S8FHD4
UniRef90_A0A022L1U8
UniRef90_UPI00030189C6
UniRef90_E1QP54
UniRef90_UPI000315BDB0
UniRef90_R9AJL4

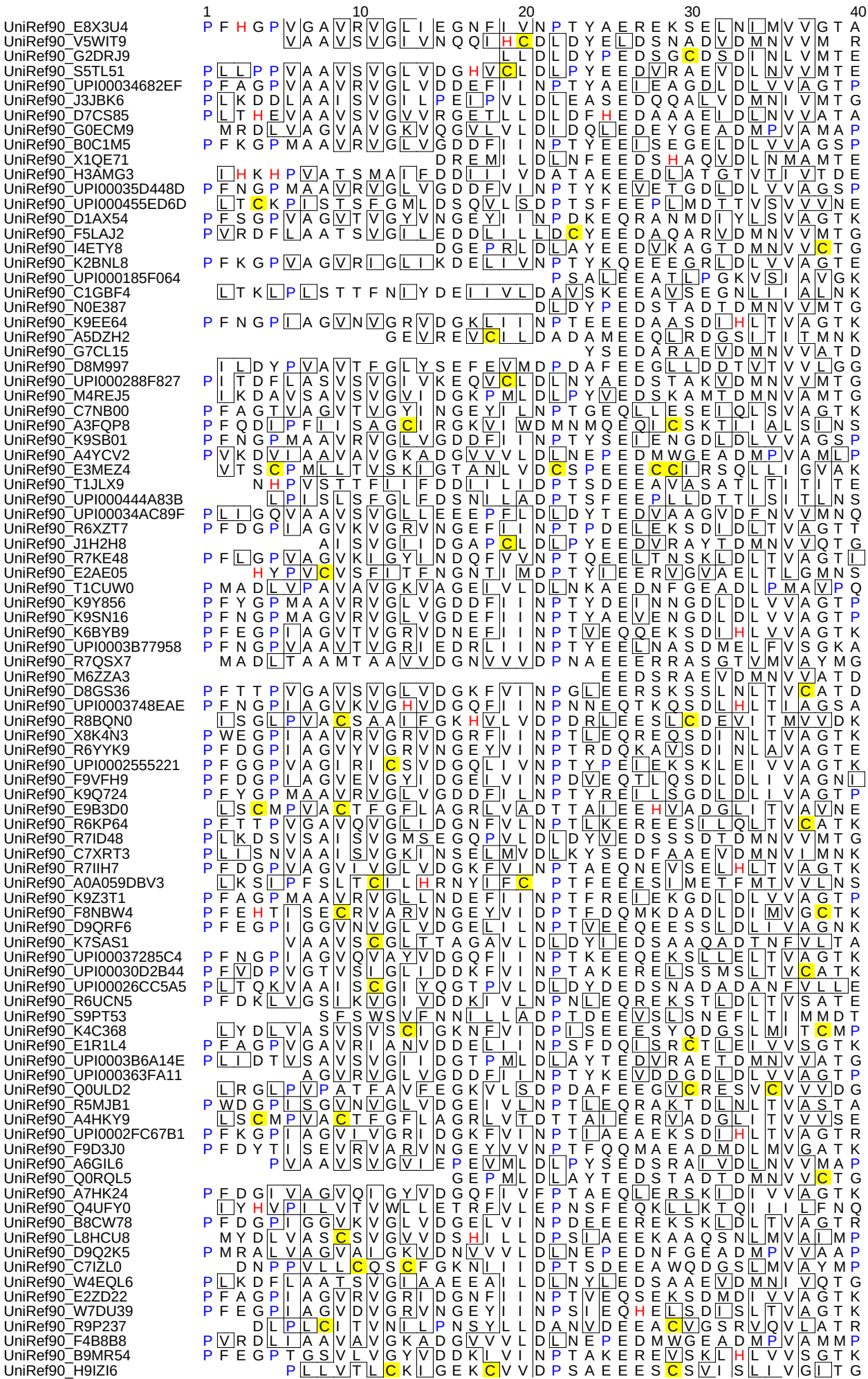

50
60
70
80
UniRef90_L8WSN8
UniRef90_K9WPY2
UniRef90_U5LE78
UniRef90_Q92SK2
UniRef90_A4CSY4
UniRef90_H5WMV8
UniRef90_D0LLI8
UniRef90_V4ZL30
UniRef90_M4VC25
UniRef90_UPI00042B1747
UniRef90_A6DMF2
UniRef90_T0K525
UniRef90_X5MLV0
UniRef90_A7Z7C6
UniRef90_Q113J5
UniRef90_Q28X67
UniRef90_E8V6E7
UniRef90_I2GXF7
UniRef90_K2L8P1
UniRef90_UPI000289C7CA
UniRef90_H3GX87
UniRef90_U7UBQ9
UniRef90_U2DZ96
UniRef90_UPI000374A549
UniRef90_M2MQH5
UniRef90_G5F2I4
UniRef90_UPI0003B65A0E
UniRef90_UPI00037DA10A
UniRef90_I3VYF2
UniRef90_S4W5C6
UniRef90_Q7V4V8
UniRef90_G5J8G3
UniRef90_Q2RN60
UniRef90_E6N8Y8
UniRef90_B8I1A8
UniRef90_H1PQV6
UniRef90_UPI0004755061
UniRef90_UPI000369FBBE
UniRef90_UPI00047BE39D
UniRef90_E4UBU2
UniRef90_A0A024KD11
UniRef90_C1BRT2
UniRef90_J6FAS3
UniRef90_UPI00035FE125
UniRef90_J0R5T0
UniRef90_I4DBM8
UniRef90_UPI000365406D
UniRef90_F4Y0D8
UniRef90_Q602N9
UniRef90_E0E384
UniRef90_R5A7B6
UniRef90_S0KTZ7
UniRef90_A0A023GM67
UniRef90_R5DAE1
UniRef90_R9PGU1
UniRef90_UPI0003783BDB
UniRef90_M3D5T2
UniRef90_L7MHJ0
UniRef90_E3HZE5
UniRef90_UPI000348F51D
UniRef90_H1QF23
UniRef90_E3GZ91
UniRef90_UPI0003B53541
UniRef90_B6AFR7
UniRef90_K9UNC6
UniRef90_Q00YJ4
UniRef90_G0VIZ1
UniRef90_I3YDY2
UniRef90_R5XPM8
UniRef90_Q29QQ9
UniRef90_E1QE78
UniRef90_U2USZ6
UniRef90_A0A010PCA5
UniRef90_G8RZ65
UniRef90_E8NC79
UniRef90_D8PED9
UniRef90_I0YT65
UniRef90_UPI00039B768C
UniRef90_UPI000478620C
UniRef90_R2T0A6
UniRef90_W4QDN1
UniRef90_A4RUD5
UniRef90_UPI00045E6EDE
UniRef90_R5BTR5
UniRef90_B0T369
UniRef90_C7DI02
UniRef90_S8FHD4
UniRef90_A0A022L1U8
UniRef90_UPI00030189C6
UniRef90_E1QP54
UniRef90_UPI000315BDB0
UniRef90_R9AJL4

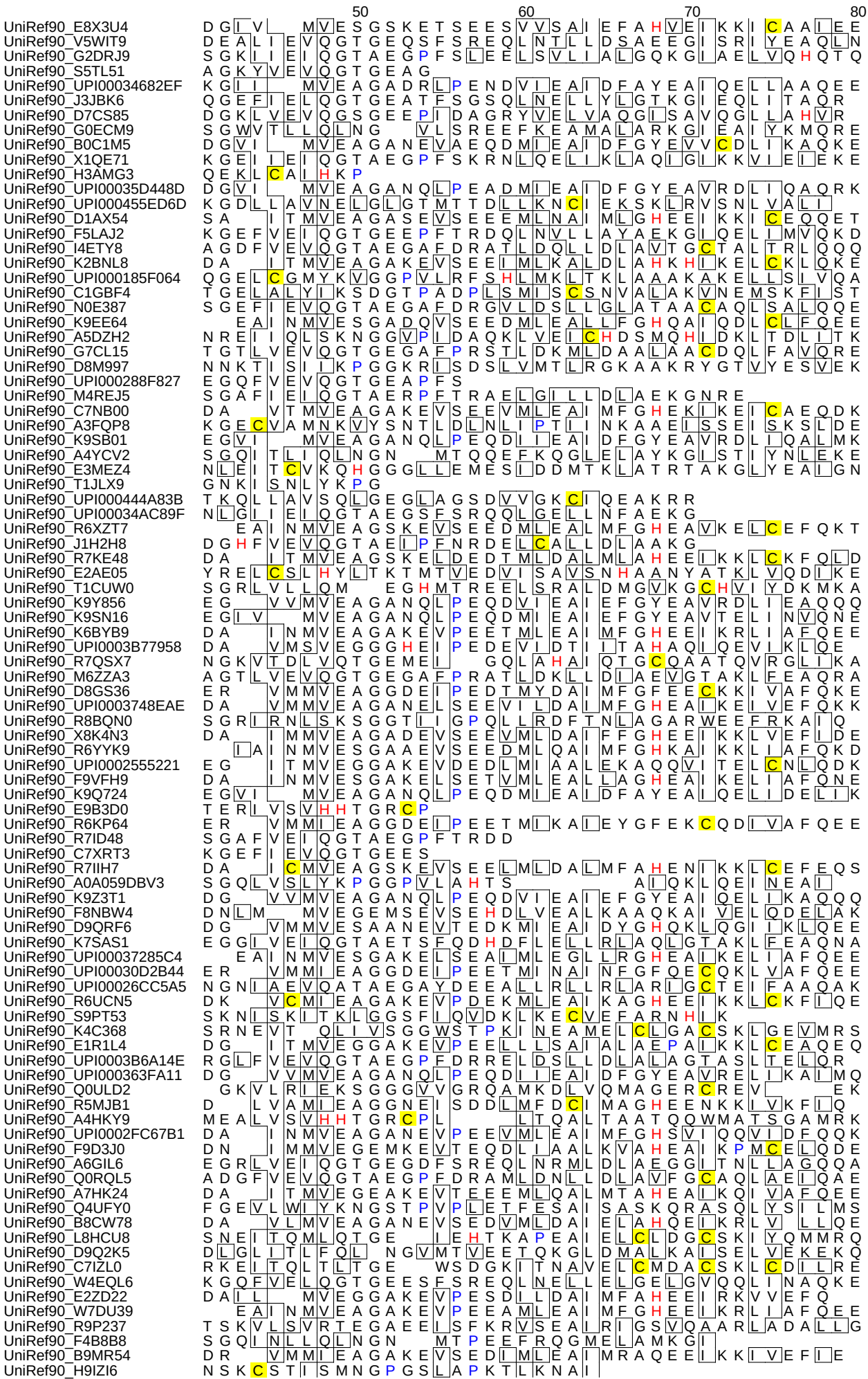

UniRef90_L8WSN8 R L
UniRef90_K9WPY2 A V
UniRef90_U5LE78 V L G
UniRef90_Q92SK2 A I A
UniRef90_A4CSY4 A L
UniRef90_H5WMV8
UniRef90_D0LLI8
UniRef90_V4ZL30 Q I A
UniRef90_M4VC25 I I G
UniRef90_UPI00042B1747 A I S V
UniRef90_A6DMF2 I
UniRef90_T0K525 T L G
UniRef90_X5MLV0 A V A
UniRef90_A7Z7C6 V L G
UniRef90_Q113J5 V I
UniRef90_Q28X67 V L
UniRef90_E8V6E7 V L
UniRef90_I2GXF7 C I
UniRef90_K2L8P1 A I G I
UniRef90_UPI000289C7CA A L G
UniRef90_H3GX87 S I
UniRef90_U7UBQ9 K V
UniRef90_U2DZ96 A L G
UniRef90_UPI000374A549 V L
UniRef90_M2MQH5 K L A
UniRef90_G5F2I4 V T N
UniRef90_UPI0003B65A0E A I E L
UniRef90_UPI00037DA10A
UniRef90_I3VYF2 S L G
UniRef90_S4W5C6 T V G
UniRef90_Q7V4V8 A L
UniRef90_G5J8G3 I L
UniRef90_Q2RN60 A L A
UniRef90_E6N8Y8 G V G
UniRef90_B8I1A8 V L
UniRef90_H1PQV6 V I G
UniRef90_UPI0004755061 A I G
UniRef90_UPI000369FBBE A L G
UniRef90_UPI00047BE39D A L G
UniRef90_E4UBU2 V I
UniRef90_A0A024KD11 A L G
UniRef90_C1BRT2
UniRef90_J6FAS3 A L
UniRef90_UPI00035FE125 M M
UniRef90_J0R5T0 A V
UniRef90_I4DBM8 A L
UniRef90_UPI000365406D A L G
UniRef90_F4Y0D8
UniRef90_Q602N9 A L
UniRef90_E0E384 V L G
UniRef90_R5A7B6 A L
UniRef90_S0KTZ7 A L
UniRef90_A0A023GM67 E V A
UniRef90_R5DAE1 I L G
UniRef90_R9PGU1 A L
UniRef90_UPI0003783BDB
UniRef90_M3D5T2 K L
UniRef90_L7MHJ0 E I A
UniRef90_E3HZE5
UniRef90_UPI000348F51D A L
UniRef90_H1QF23 A L
UniRef90_E3GZ91 S I
UniRef90_UPI0003B53541 V I G
UniRef90_B6AFR7 V
UniRef90_K9UNC6 E I
UniRef90_Q00YJ4 F L A
UniRef90_G0VIZ1 A V
UniRef90_I3YDY2 A L G
UniRef90_R5XPM8 A L
UniRef90_Q29QQ9 M L N L
UniRef90_E1QE78 A V N
UniRef90_U2USZ6 A V G
UniRef90_A0A010PCA5 A L A
UniRef90_G8RZ65 A L A
UniRef90_E8NC79 A L
UniRef90_D8PED9 L I G
UniRef90_I0YT65 A L A
UniRef90_UPI00039B768C I I G
UniRef90_UPI000478620C V L A
UniRef90_R2T0A6 A L
UniRef90_W4QDN1 A L G
UniRef90_A4RUD5
UniRef90_UPI00045E6EDE A L A
UniRef90_R5BTR5 A L G
UniRef90_B0T369 A V
UniRef90_C7DI02
UniRef90_S8FHD4
UniRef90_A0A022L1U8 V L G L
UniRef90_UPI00030189C6
UniRef90_E1QP54 A M A
UniRef90_UPI000315BDB0 A V
UniRef90_R9AJL4 S V N

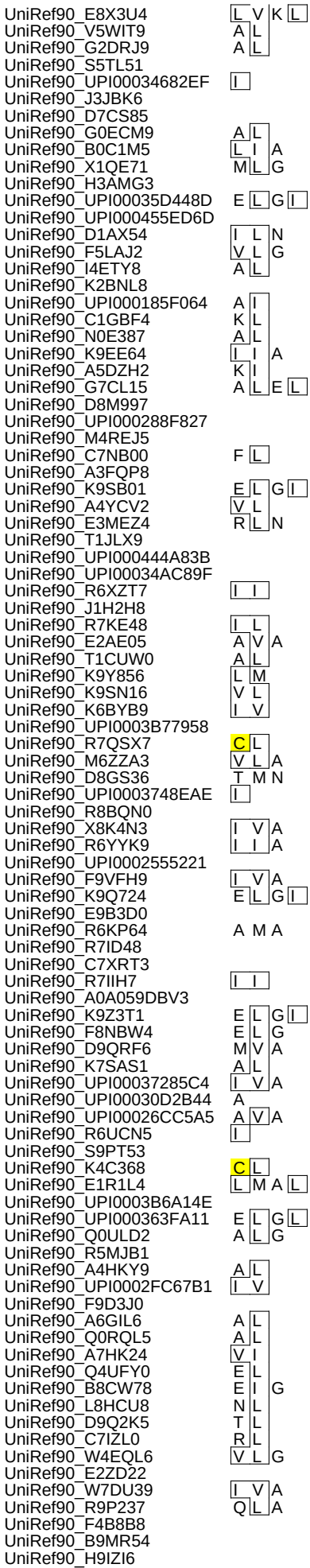

1
10
20
30
40
UniRef90_UPI00047BD4A5
UniRef90_UPI0004782986
UniRef90_K9EB58
UniRef90_A6FL60
UniRef90_UPI0003776A1A
UniRef90_UPI000364D7B9
UniRef90_B6GB01
UniRef90_R2SNX4
UniRef90_R7L935
UniRef90_UPI000465745C
UniRef90_UPI0003B5D3F4
UniRef90_E2SDT1
UniRef90_Q4PFY5
UniRef90_UPI0001FFE836
UniRef90_A0A024J906
UniRef90_H5UV93
UniRef90_M9MBQ0
UniRef90_E6W0P1
UniRef90_D8TVA9
UniRef90_G6CJ24
UniRef90_W4ZAT5
UniRef90_B6BVM0
UniRef90_M1LMB8
UniRef90_L1IC35
UniRef90_D3S2F2
UniRef90_W4LHX2
UniRef90_C5M4Z9
UniRef90_UPI00035EC664
UniRef90_I4X1Q4
UniRef90_R6P161
UniRef90_A3UIL3
UniRef90_S2XWB3
UniRef90_G9PMU8
UniRef90_Q97BZ5
UniRef90_UPI00026267AF
UniRef90_M2PUD3
UniRef90_UPI0003643F57
UniRef90_B2VF76
UniRef90_S3CF11
UniRef90_UPI000255C557
UniRef90_R9T906
UniRef90_V4NJQ4
UniRef90_Q1DAT4
UniRef90_UPI00036FA5DF
UniRef90_Q6ANS2
UniRef90_Q9RU11
UniRef90_K5WL64
UniRef90_B1ZNZ4
UniRef90_L8Y1A3
UniRef90_Q5F840
UniRef90_J7LDZ4
UniRef90_S4PLS4
UniRef90_B8GAB7
UniRef90_C7JAU4
UniRef90_UPI000469F1B5
UniRef90_T0N1M6
UniRef90_UPI00035C5E35
UniRef90_I2JR87
UniRef90_A0A023BDK2
UniRef90_U6ECB0
UniRef90_UPI0003B58598
UniRef90_A0A017HIG8
UniRef90_S9V080
UniRef90_Q5WEM3
UniRef90_I1EZE3
UniRef90_I8AI27
UniRef90_UPI0003611FD4
UniRef90_A9UX75
UniRef90_S8CP51
UniRef90_V4RKX2
UniRef90_K0HY25
UniRef90_I3J883
UniRef90_A0A023NMB0
UniRef90_R5IWV8
UniRef90_D1VUU3
UniRef90_G2H121
UniRef90_UPI000309997E
UniRef90_M0V152
UniRef90_F8F3C8
UniRef90_R7MFD8
UniRef90_E4XN96
UniRef90_R5V4D0
UniRef90_W2EQG7
UniRef90_Q8IDT4
UniRef90_E0SQX6
UniRef90_A8X065
UniRef90_UPI00046437A2
UniRef90_L1NYU9
UniRef90_G4VSB0
UniRef90_UPI00047CF355
UniRef90_W6L4Q7
UniRef90_K0ID49

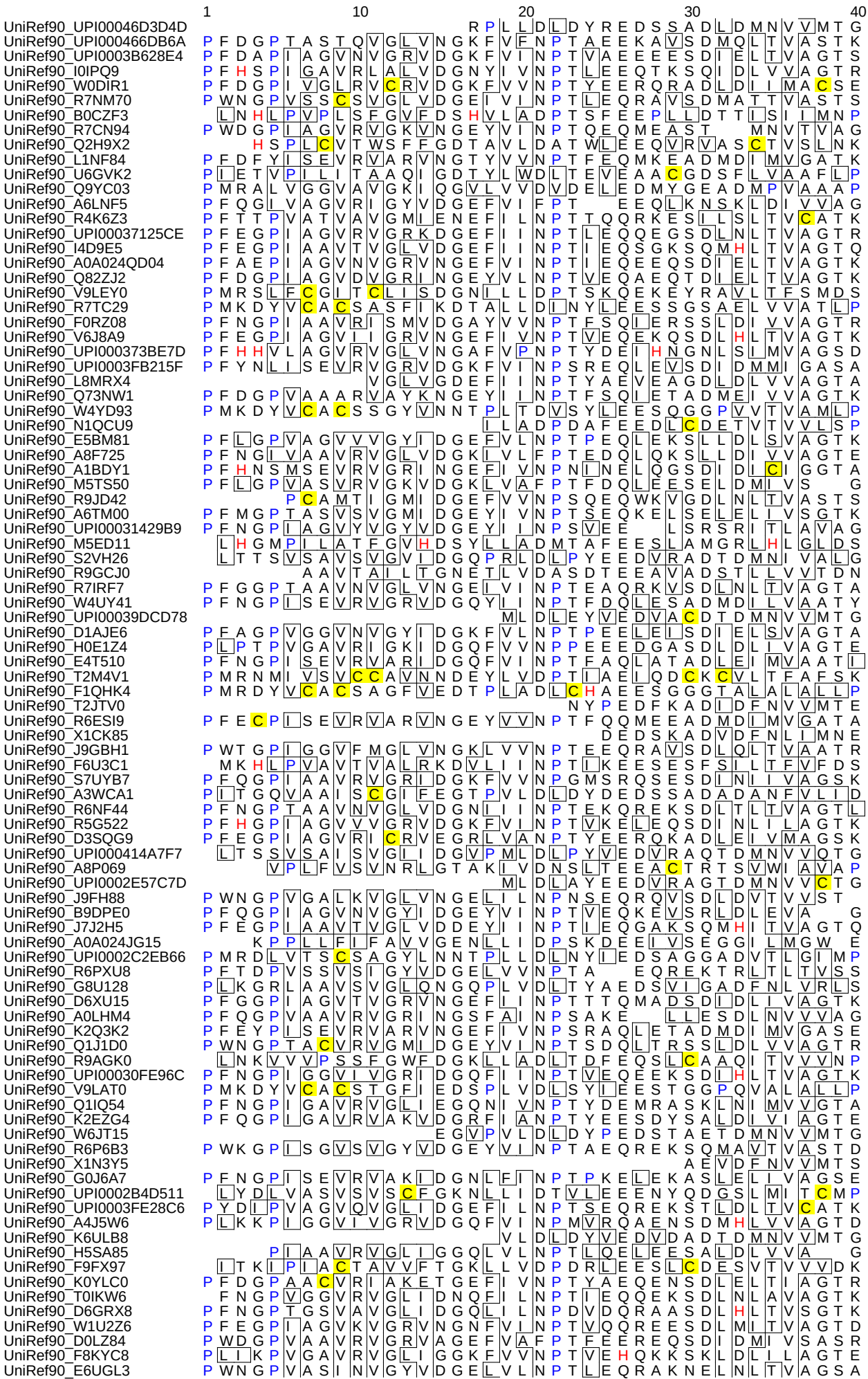

50
60
70
80
UniRef90_UPI00047BD4A5
UniRef90_UPI0004782986
UniRef90_K9EB58
UniRef90_A6FL60
UniRef90_UPI0003776A1A
UniRef90_UPI000364D7B9
UniRef90_B6GB01
UniRef90_R2SNX4
UniRef90_R7L935
UniRef90_UPI000465745C
UniRef90_UPI0003B5D3F4
UniRef90_E2SDT1
UniRef90_Q4PFY5
UniRef90_UPI0001FFE836
UniRef90_A0A024J906
UniRef90_H5UV93
UniRef90_M9MBQ0
UniRef90_E6W0P1
UniRef90_D8TVA9
UniRef90_G6CJ24
UniRef90_W4ZAT5
UniRef90_B6BVM0
UniRef90_M1LMB8
UniRef90_L1IC35
UniRef90_D3S2F2
UniRef90_W4LHX2
UniRef90_C5M4Z9
UniRef90_UPI00035EC664
UniRef90_I4X1Q4
UniRef90_R6P161
UniRef90_A3UIL3
UniRef90_S2XWB3
UniRef90_G9PMU8
UniRef90_Q97BZ5
UniRef90_UPI00026267AF
UniRef90_M2PUD3
UniRef90_UPI0003643F57
UniRef90_B2VF76
UniRef90_S3CF11
UniRef90_UPI000255C557
UniRef90_R9T906
UniRef90_V4NJQ4
UniRef90_Q1DAT4
UniRef90_UPI00036FA5DF
UniRef90_Q6ANS2
UniRef90_Q9RU11
UniRef90_K5WL64
UniRef90_B1ZNZ4
UniRef90_L8Y1A3
UniRef90_Q5F840
UniRef90_J7LDZ4
UniRef90_S4PLS4
UniRef90_B8GAB7
UniRef90_C7JAU4
UniRef90_UPI000469F1B5
UniRef90_T0N1M6
UniRef90_UPI00035C5E35
UniRef90_I2JR87
UniRef90_A0A023BDK2
UniRef90_U6ECB0
UniRef90_UPI0003B58598
UniRef90_A0A017HIG8
UniRef90_S9V080
UniRef90_Q5WEM3
UniRef90_I1EZE3
UniRef90_I8AI27
UniRef90_UPI0003611FD4
UniRef90_A9UX75
UniRef90_S8CP51
UniRef90_V4RKX2
UniRef90_K0HY25
UniRef90_I3J883
UniRef90_A0A023NMB0
UniRef90_R5IWV8
UniRef90_D1VUU3
UniRef90_G2H121
UniRef90_UPI000309997E
UniRef90_M0V152
UniRef90_F8F3C8
UniRef90_R7MFD8
UniRef90_E4XN96
UniRef90_R5V4D0
UniRef90_W2EQG7
UniRef90_Q8IDT4
UniRef90_E0SQX6
UniRef90_A8X065
UniRef90_UPI00046437A2
UniRef90_L1NYU9
UniRef90_G4VSB0
UniRef90_UPI00047CF355
UniRef90_W6L4Q7
UniRef90_K0ID49

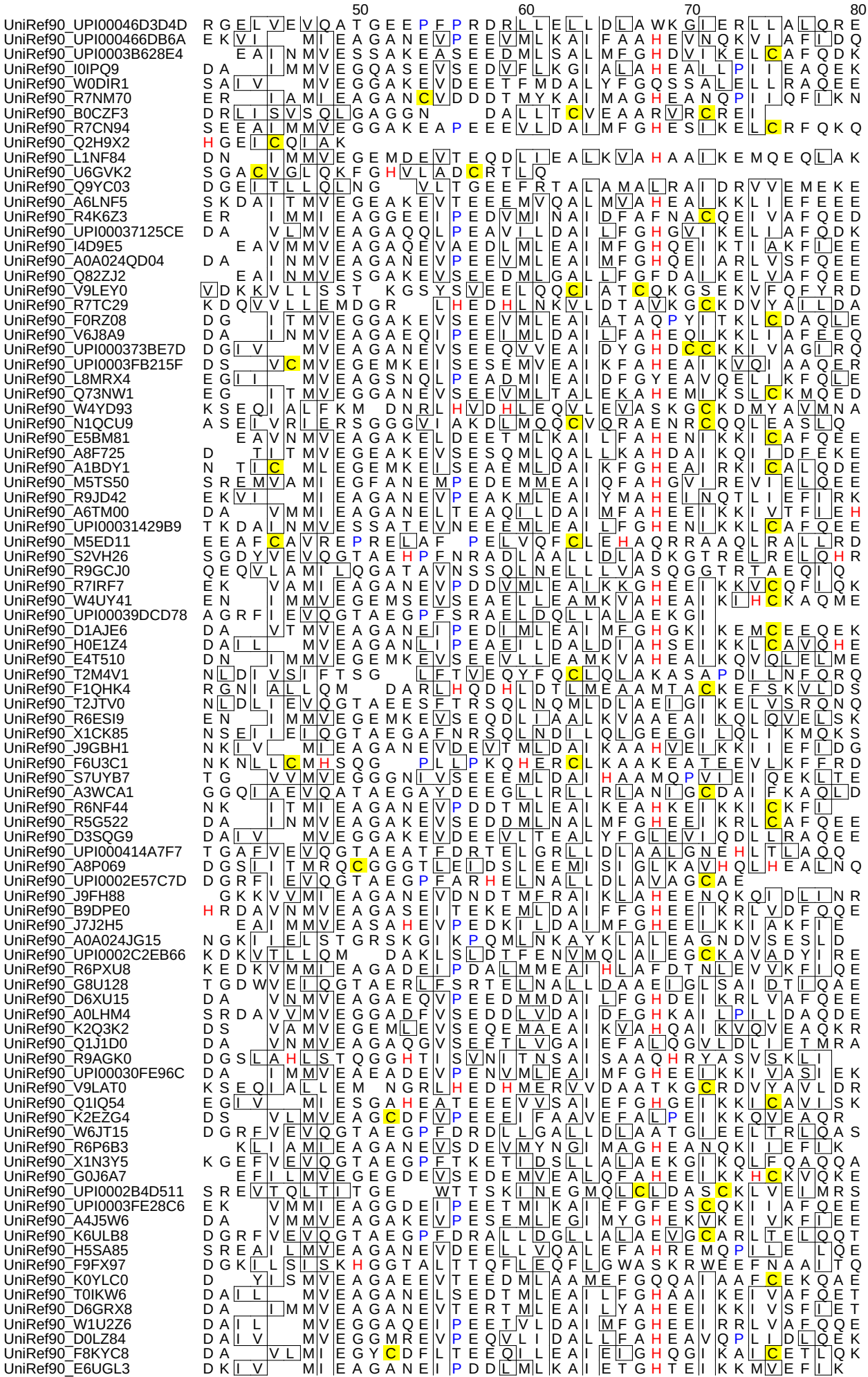

UniRef90_UPI00047BD4A5 A L A
UniRef90_UPI0004782986 A F E L
UniRef90_K9EB58 V L
UniRef90_A6FL60 A V N
UniRef90_UPI0003776A1A
UniRef90_UPI000364D7B9 A I
UniRef90_B6GB01 V
UniRef90_R2SNX4 V L
UniRef90_R7L935 A I
UniRef90_UPI000465745C A L A
UniRef90_UPI0003B5D3F4 A I A
UniRef90_E2SDT1 A L
UniRef90_Q4PFY5 A L S V
UniRef90_UPI0001FFE836 A L
UniRef90_A0A024J906 R L
UniRef90_H5UV93 A L
UniRef90_M9MBQ0 A L
UniRef90_E6W0P1 Q L
UniRef90_D8TVA9
UniRef90_G6CJ24 A L
UniRef90_W4ZAT5
UniRef90_B6BVM0
UniRef90_M1LMB8
UniRef90_L1IC35 K L
UniRef90_D3S2F2 A I
UniRef90_W4LHX2 V L G
UniRef90_C5M4Z9 T V
UniRef90_UPI00035EC664 C L
UniRef90_I4X1Q4 A L G
UniRef90_R6P161
UniRef90_A3UIL3 A L G
UniRef90_S2XWB3 V L G
UniRef90_G9PMU8 A L A
UniRef90_Q97BZ5 A L
UniRef90_UPI00026267AF I L
UniRef90_M2PUD3
UniRef90_UPI0003643F57 S L
UniRef90_B2VF76 A L
UniRef90_S3CF11 A L A
UniRef90_UPI000255C557 V L G
UniRef90_R9T906 A L
UniRef90_V4NJQ4 V L G
UniRef90_Q1DAT4 V L G
UniRef90_UPI00036FA5DF V L K I
UniRef90_Q6ANS2
UniRef90_Q9RU11 Q L A V
UniRef90_K5WL64
UniRef90_B1ZNZ4
UniRef90_L8Y1A3
UniRef90_Q5F840 A L S V
UniRef90_J7LDZ4 A L A
UniRef90_S4PLS4 T V
UniRef90_B8GAB7
UniRef90_C7JAU4 A V
UniRef90_UPI000469F1B5 A L A
UniRef90_T0N1M6 A L
UniRef90_UPI00035C5E35 A L A
UniRef90_I2JR87
UniRef90_A0A023BDK2
UniRef90_U6ECB0 A I
UniRef90_UPI0003B58598 I
UniRef90_A0A017HIG8 A V A
UniRef90_S9V080 Q
UniRef90_Q5WEM3 F L G
UniRef90_I1EZE3 T M
UniRef90_I8AI27 I I G
UniRef90_UPI0003611FD4 T L
UniRef90_A9UX75 A L
UniRef90_S8CP51 A I
UniRef90_V4RKX2 A I G
UniRef90_K0HY25
UniRef90_I3J883 S V
UniRef90_A0A023NMB0 A L E L
UniRef90_R5IWV8 I I
UniRef90_D1VUU3
UniRef90_G2H121 A L A I
UniRef90_UPI000309997E A L G
UniRef90_M0V152
UniRef90_F8F3C8
UniRef90_R7MFD8 I I N
UniRef90_E4XN96
UniRef90_R5V4D0 I V A
UniRef90_W2EQG7 V L G V
UniRef90_Q8IDT4 A L
UniRef90_E0SQX6 T L
UniRef90_A8X065 R L
UniRef90_UPI00046437A2 A M G
UniRef90_L1NYU9 A L A
UniRef90_G4VSB0 A L
UniRef90_UPI00047CF355 T L
UniRef90_W6L4Q7
UniRef90_K0ID49 A L

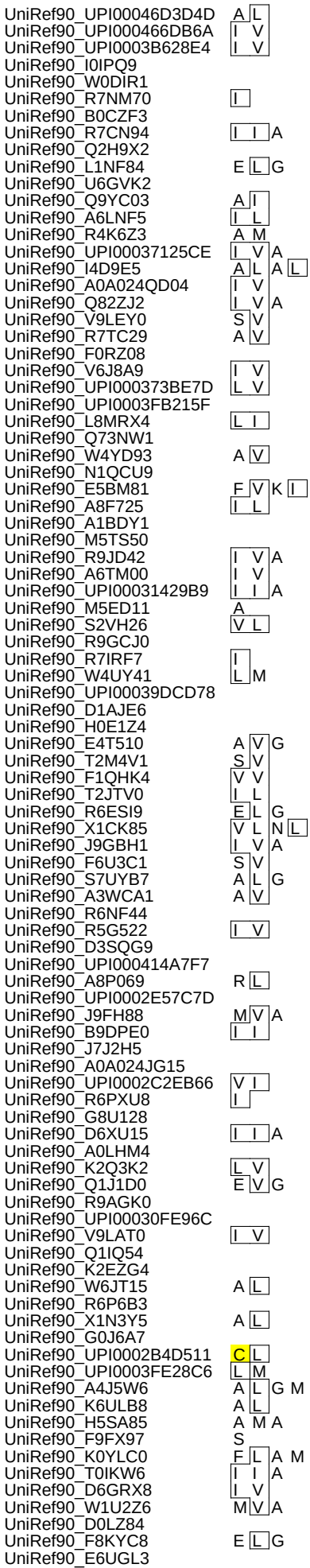

1
10
20
30
40
UniRef90_E8X3U4
UniRef90_V5WIT9
UniRef90_G2DRJ9
UniRef90_S5TL51
UniRef90_UPI00034682EF
UniRef90_J3JBK6
UniRef90_D7CS85
UniRef90_G0ECM9
UniRef90_B0C1M5
UniRef90_X1QE71
UniRef90_H3AMG3
UniRef90_UPI00035D448D
UniRef90_UPI000455ED6D
UniRef90_D1AX54
UniRef90_F5LAJ2
UniRef90_I4ETY8
UniRef90_K2BNL8
UniRef90_UPI000185F064
UniRef90_C1GBF4
UniRef90_N0E387
UniRef90_K9EE64
UniRef90_A5DZH2
UniRef90_G7CL15
UniRef90_D8M997
UniRef90_UPI000288F827
UniRef90_M4REJ5
UniRef90_C7NB00
UniRef90_A3FQP8
UniRef90_K9SB01
UniRef90_A4YCV2
UniRef90_E3MEZ4
UniRef90_T1JLX9
UniRef90_UPI000444A83B
UniRef90_UPI00034AC89F
UniRef90_R6XZT7
UniRef90_J1H2H8
UniRef90_R7KE48
UniRef90_E2AE05
UniRef90_T1CUW0
UniRef90_K9Y856
UniRef90_K9SN16
UniRef90_K6BYB9
UniRef90_UPI0003B77958
UniRef90_R7QSX7
UniRef90_M6ZZA3
UniRef90_D8GS36
UniRef90_UPI0003748EAE
UniRef90_R8BQN0
UniRef90_X8K4N3
UniRef90_R6YYK9
UniRef90_UPI0002555221
UniRef90_F9VFH9
UniRef90_K9Q724
UniRef90_E9B3D0
UniRef90_R6KP64
UniRef90_R7ID48
UniRef90_C7XRT3
UniRef90_R7IIH7
UniRef90_A0A059DBV3
UniRef90_K9Z3T1
UniRef90_F8NBW4
UniRef90_D9QRF6
UniRef90_K7SAS1
UniRef90_UPI00037285C4
UniRef90_UPI00030D2B44
UniRef90_UPI00026CC5A5
UniRef90_R6UCN5
UniRef90_S9PT53
UniRef90_K4C368
UniRef90_E1R1L4
UniRef90_UPI0003B6A14E
UniRef90_UPI000363FA11
UniRef90_Q0ULD2
UniRef90_R5MJB1
UniRef90_A4HKY9
UniRef90_UPI0002FC67B1
UniRef90_F9D3J0
UniRef90_A6GIL6
UniRef90_Q0RQL5
UniRef90_A7HK24
UniRef90_Q4UFY0
UniRef90_B8CW78
UniRef90_L8HCU8
UniRef90_D9Q2K5
UniRef90_C7IZL0
UniRef90_W4EQL6
UniRef90_E2ZD22
UniRef90_W7DU39
UniRef90_R9P237
UniRef90_F4B8B8
UniRef90_B9MR54
UniRef90_H9IZI6

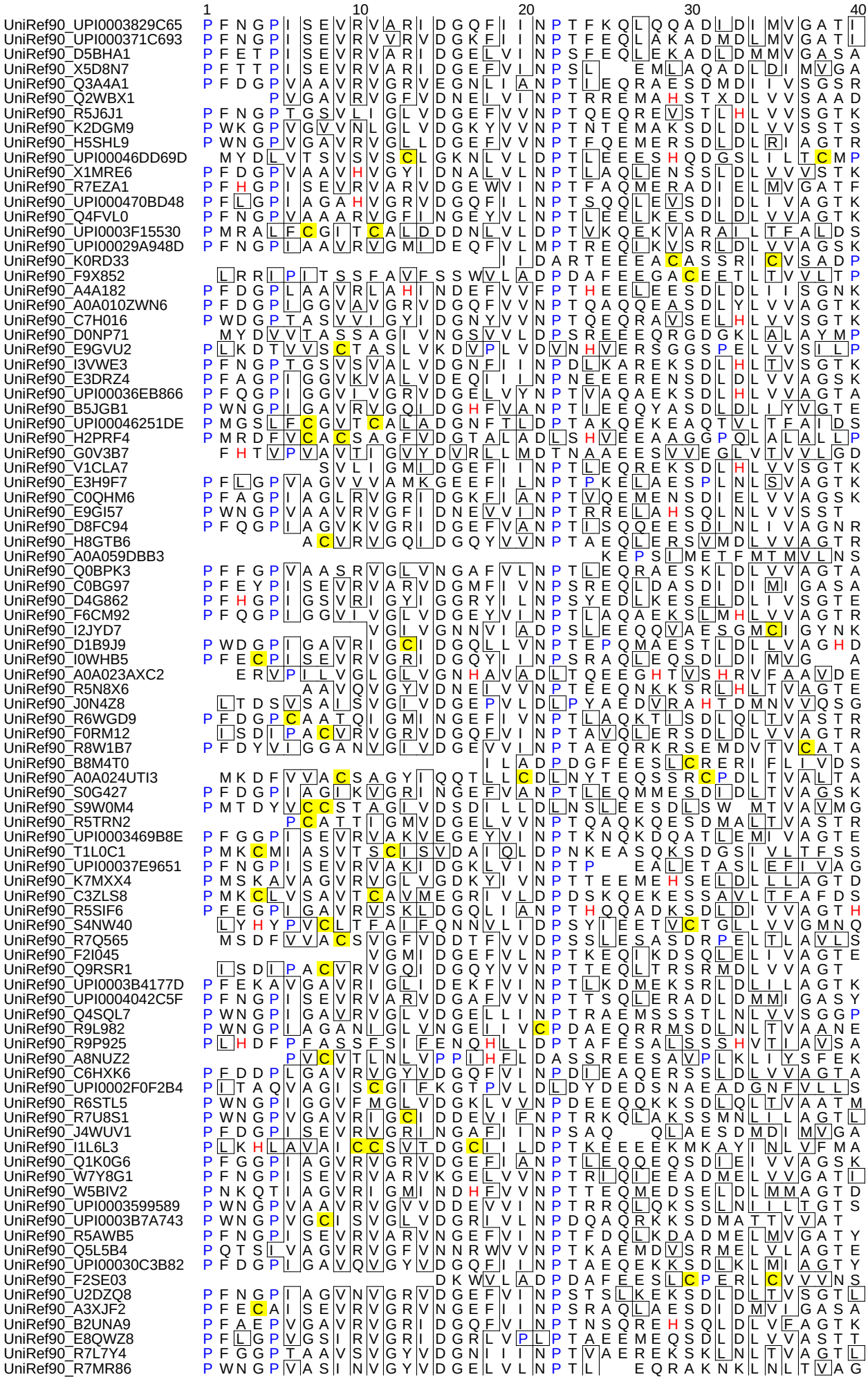

50
60
70
80
UniRef90_E8X3U4
UniRef90_V5WIT9
UniRef90_G2DRJ9
UniRef90_S5TL51
UniRef90_UPI00034682EF
UniRef90_J3JBK6
UniRef90_D7CS85
UniRef90_G0ECM9
UniRef90_B0C1M5
UniRef90_X1QE71
UniRef90_H3AMG3
UniRef90_UPI00035D448D
UniRef90_UPI000455ED6D
UniRef90_D1AX54
UniRef90_F5LAJ2
UniRef90_I4ETY8
UniRef90_K2BNL8
UniRef90_UPI000185F064
UniRef90_C1GBF4
UniRef90_N0E387
UniRef90_K9EE64
UniRef90_A5DZH2
UniRef90_G7CL15
UniRef90_D8M997
UniRef90_UPI000288F827
UniRef90_M4REJ5
UniRef90_C7NB00
UniRef90_A3FQP8
UniRef90_K9SB01
UniRef90_A4YCV2
UniRef90_E3MEZ4
UniRef90_T1JLX9
UniRef90_UPI000444A83B
UniRef90_UPI00034AC89F
UniRef90_R6XZT7
UniRef90_J1H2H8
UniRef90_R7KE48
UniRef90_E2AE05
UniRef90_T1CUW0
UniRef90_K9Y856
UniRef90_K9SN16
UniRef90_K6BYB9
UniRef90_UPI0003B77958
UniRef90_R7QSX7
UniRef90_M6ZZA3
UniRef90_D8GS36
UniRef90_UPI0003748EAE
UniRef90_R8BQN0
UniRef90_X8K4N3
UniRef90_R6YYK9
UniRef90_UPI0002555221
UniRef90_F9VFH9
UniRef90_K9Q724
UniRef90_E9B3D0
UniRef90_R6KP64
UniRef90_R7ID48
UniRef90_C7XRT3
UniRef90_R7IIH7
UniRef90_A0A059DBV3
UniRef90_K9Z3T1
UniRef90_F8NBW4
UniRef90_D9QRF6
UniRef90_K7SAS1
UniRef90_UPI00037285C4
UniRef90_UPI00030D2B44
UniRef90_UPI00026CC5A5
UniRef90_R6UCN5
UniRef90_S9PT53
UniRef90_K4C368
UniRef90_E1R1L4
UniRef90_UPI0003B6A14E
UniRef90_UPI000363FA11
UniRef90_Q0ULD2
UniRef90_R5MJB1
UniRef90_A4HKY9
UniRef90_UPI0002FC67B1
UniRef90_F9D3J0
UniRef90_A6GIL6
UniRef90_Q0RQL5
UniRef90_A7HK24
UniRef90_Q4UFY0
UniRef90_B8CW78
UniRef90_L8HCU8
UniRef90_D9Q2K5
UniRef90_C7IZL0
UniRef90_W4EQL6
UniRef90_E2ZD22
UniRef90_W7DU39
UniRef90_R9P237
UniRef90_F4B8B8
UniRef90_B9MR54
UniRef90_H9IZI6

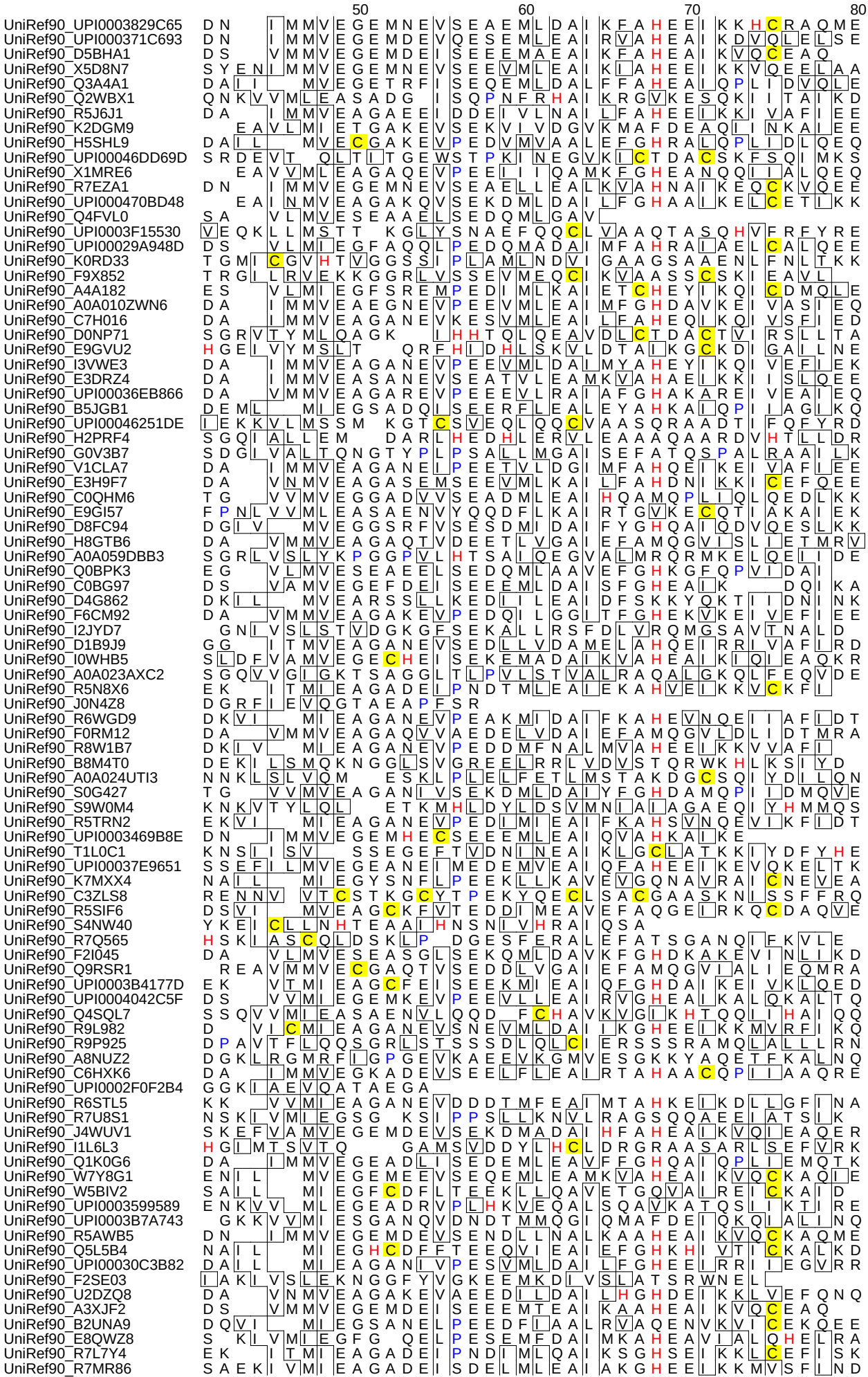

UniRef90_E8X3U4 L V K L
UniRef90_V5WIT9 A L
UniRef90_G2DRJ9 A L
UniRef90_S5TL51
UniRef90_UPI00034682EF I
UniRef90_J3JBK6
UniRef90_D7CS85
UniRef90_G0ECM9 A L
UniRef90_B0C1M5 L I A
UniRef90_X1QE71 M L G
UniRef90_H3AMG3
UniRef90_UPI00035D448D E L G I
UniRef90_UPI000455ED6D
UniRef90_D1AX54 I L N
UniRef90_F5LAJ2 V L G
UniRef90_I4ETY8 A L
UniRef90_K2BNL8
UniRef90_UPI000185F064 A I
UniRef90_C1GBF4 K L
UniRef90_N0E387 A L
UniRef90_K9EE64 I I A
UniRef90_A5DZH2 K I
UniRef90_G7CL15 A L E L
UniRef90_D8M997
UniRef90_UPI000288F827
UniRef90_M4REJ5
UniRef90_C7NB00 F L
UniRef90_A3FQP8
UniRef90_K9SB01 E L G I
UniRef90_A4YCV2 V L
UniRef90_E3MEZ4 R L N
UniRef90_T1JLX9
UniRef90_UPI000444A83B
UniRef90_UPI00034AC89F
UniRef90_R6XZT7 I I
UniRef90_J1H2H8
UniRef90_R7KE48 I L
UniRef90_E2AE05 A V A
UniRef90_T1CUW0 A L
UniRef90_K9Y856 L M
UniRef90_K9SN16 V L
UniRef90_K6BYB9 I V
UniRef90_UPI0003B77958
UniRef90_R7QSX7 C L
UniRef90_M6ZZA3 V L A
UniRef90_D8GS36 T M N
UniRef90_UPI0003748EAE I
UniRef90_R8BQN0
UniRef90_X8K4N3 I V A
UniRef90_R6YYK9 I I A
UniRef90_UPI0002555221
UniRef90_F9VFH9 I V A
UniRef90_K9Q724 E L G I
UniRef90_E9B3D0
UniRef90_R6KP64 A M A
UniRef90_R7ID48
UniRef90_C7XRT3
UniRef90_R7IIH7 I I
UniRef90_A0A059DBV3
UniRef90_K9Z3T1 E L G I
UniRef90_F8NBW4 E L G
UniRef90_D9QRF6 M V A
UniRef90_K7SAS1 A L
UniRef90_UPI00037285C4 I V A
UniRef90_UPI00030D2B44 A
UniRef90_UPI00026CC5A5 A V A
UniRef90_R6UCN5 I
UniRef90_S9PT53
UniRef90_K4C368 C L
UniRef90_E1R1L4 L M A L
UniRef90_UPI0003B6A14E
UniRef90_UPI000363FA11 E L G L
UniRef90_Q0ULD2 A L G
UniRef90_R5MJB1
UniRef90_A4HKY9 A L
UniRef90_UPI0002FC67B1 I V
UniRef90_F9D3J0
UniRef90_A6GIL6 A L
UniRef90_Q0RQL5 A L
UniRef90_A7HK24 V I
UniRef90_Q4UFY0 E L
UniRef90_B8CW78 E I G
UniRef90_L8HCU8 N L
UniRef90_D9Q2K5 T L
UniRef90_C7IZL0 R L
UniRef90_W4EQL6 V L G
UniRef90_E2ZD22
UniRef90_W7DU39 I V A
UniRef90_R9P237 Q L A
UniRef90_F4B8B8
UniRef90_B9MR54
UniRef90_H9IZI6

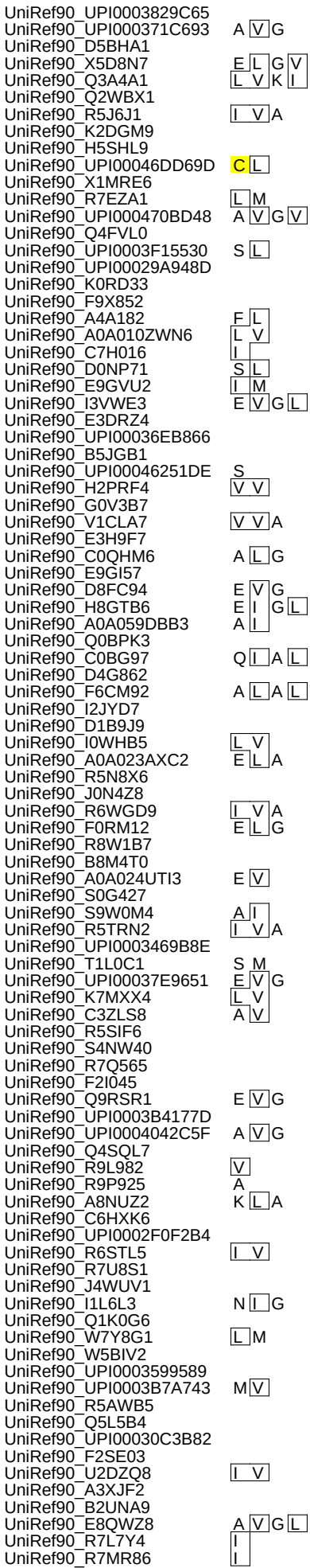

1
10
20
30
40
UniRef90_UPI00046D3D4D
UniRef90_UPI000466DB6A
UniRef90_UPI0003B628E4
UniRef90_I0IPQ9
UniRef90_W0DIR1
UniRef90_R7NM70
UniRef90_B0CZF3
UniRef90_R7CN94
UniRef90_Q2H9X2
UniRef90_L1NF84
UniRef90_U6GVK2
UniRef90_Q9YC03
UniRef90_A6LNF5
UniRef90_R4K6Z3
UniRef90_UPI00037125CE
UniRef90_I4D9E5
UniRef90_A0A024QD04
UniRef90_Q82ZJ2
UniRef90_V9LEY0
UniRef90_R7TC29
UniRef90_F0RZ08
UniRef90_V6J8A9
UniRef90_UPI000373BE7D
UniRef90_UPI0003FB215F
UniRef90_L8MRX4
UniRef90_Q73NW1
UniRef90_W4YD93
UniRef90_N1QCU9
UniRef90_E5BM81
UniRef90_A8F725
UniRef90_A1BDY1
UniRef90_M5TS50
UniRef90_R9JD42
UniRef90_A6TM00
UniRef90_UPI00031429B9
UniRef90_M5ED11
UniRef90_S2VH26
UniRef90_R9GCJ0
UniRef90_R7IRF7
UniRef90_W4UY41
UniRef90_UPI00039DCD78
UniRef90_D1AJE6
UniRef90_H0E1Z4
UniRef90_E4T510
UniRef90_T2M4V1
UniRef90_F1QHK4
UniRef90_T2JTV0
UniRef90_R6ESI9
UniRef90_X1CK85
UniRef90_J9GBH1
UniRef90_F6U3C1
UniRef90_S7UYB7
UniRef90_A3WCA1
UniRef90_R6NF44
UniRef90_R5G522
UniRef90_D3SQG9
UniRef90_UPI000414A7F7
UniRef90_A8P069
UniRef90_UPI0002E57C7D
UniRef90_J9FH88
UniRef90_B9DPE0
UniRef90_J7J2H5
UniRef90_A0A024JG15
UniRef90_UPI0002C2EB66
UniRef90_R6PXU8
UniRef90_G8U128
UniRef90_D6XU15
UniRef90_A0LHM4
UniRef90_K2Q3K2
UniRef90_Q1J1D0
UniRef90_R9AGK0
UniRef90_UPI00030FE96C
UniRef90_V9LAT0
UniRef90_Q1IQ54
UniRef90_K2EZG4
UniRef90_W6JT15
UniRef90_R6P6B3
UniRef90_X1N3Y5
UniRef90_G0J6A7
UniRef90_UPI0002B4D511
UniRef90_UPI0003FE28C6
UniRef90_A4J5W6
UniRef90_K6ULB8
UniRef90_H5SA85
UniRef90_F9FX97
UniRef90_K0YLC0
UniRef90_T0IKW6
UniRef90_D6GRX8
UniRef90_W1U2Z6
UniRef90_D0LZ84
UniRef90_F8KYC8
UniRef90_E6UGL3

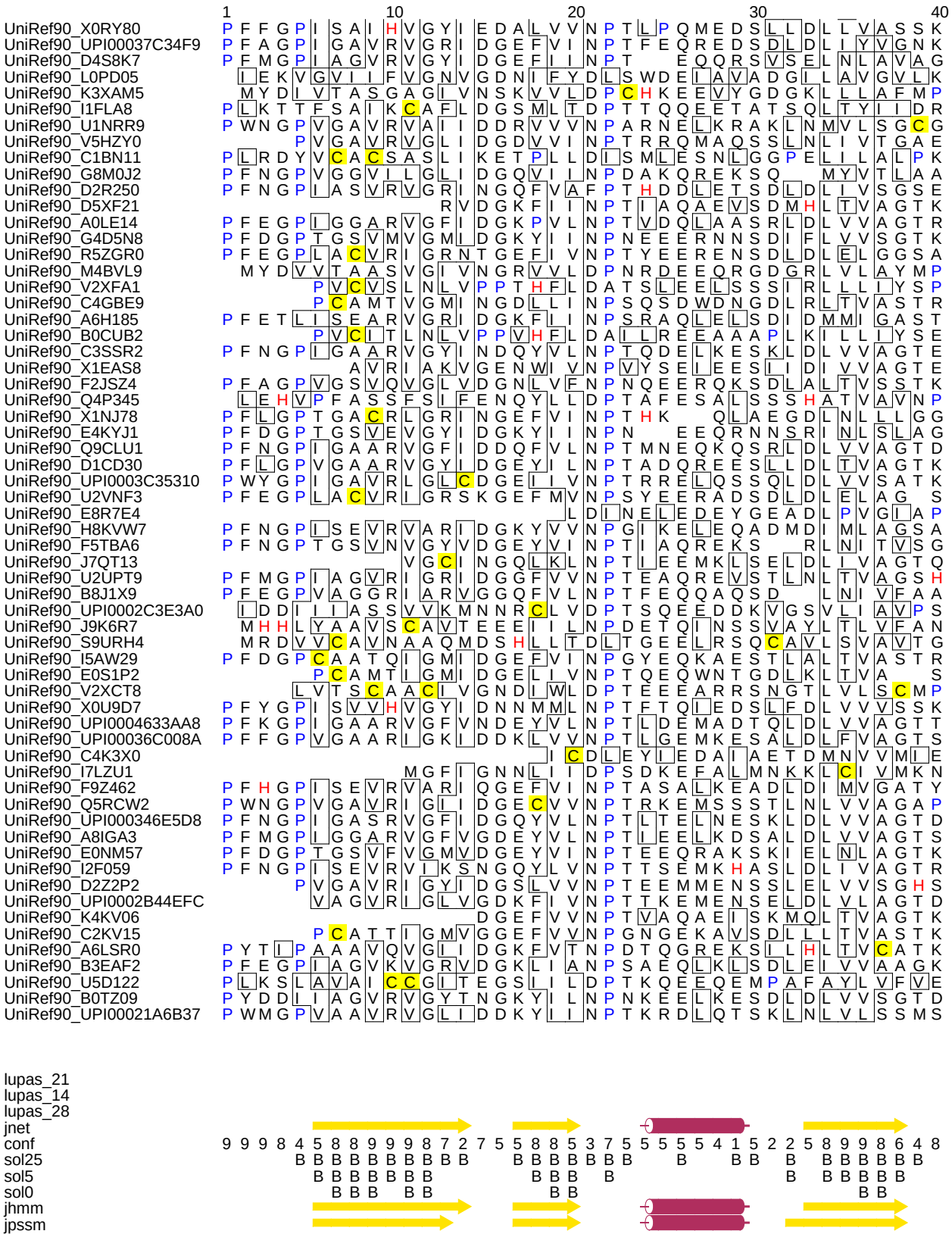

50
60
70
80
UniRef90_UPI00046D3D4D
UniRef90_UPI000466DB6A
UniRef90_UPI0003B628E4
UniRef90_I0IPQ9
UniRef90_W0DIR1
UniRef90_R7NM70
UniRef90_B0CZF3
UniRef90_R7CN94
UniRef90_Q2H9X2
UniRef90_L1NF84
UniRef90_U6GVK2
UniRef90_Q9YC03
UniRef90_A6LNF5
UniRef90_R4K6Z3
UniRef90_UPI00037125CE
UniRef90_I4D9E5
UniRef90_A0A024QD04
UniRef90_Q82ZJ2
UniRef90_V9LEY0
UniRef90_R7TC29
UniRef90_F0RZ08
UniRef90_V6J8A9
UniRef90_UPI000373BE7D
UniRef90_UPI0003FB215F
UniRef90_L8MRX4
UniRef90_Q73NW1
UniRef90_W4YD93
UniRef90_N1QCU9
UniRef90_E5BM81
UniRef90_A8F725
UniRef90_A1BDY1
UniRef90_M5TS50
UniRef90_R9JD42
UniRef90_A6TM00
UniRef90_UPI00031429B9
UniRef90_M5ED11
UniRef90_S2VH26
UniRef90_R9GCJ0
UniRef90_R7IRF7
UniRef90_W4UY41
UniRef90_UPI00039DCD78
UniRef90_D1AJE6
UniRef90_H0E1Z4
UniRef90_E4T510
UniRef90_T2M4V1
UniRef90_F1QHK4
UniRef90_T2JTV0
UniRef90_R6ESI9
UniRef90_X1CK85
UniRef90_J9GBH1
UniRef90_F6U3C1
UniRef90_S7UYB7
UniRef90_A3WCA1
UniRef90_R6NF44
UniRef90_R5G522
UniRef90_D3SQG9
UniRef90_UPI000414A7F7
UniRef90_A8P069
UniRef90_UPI0002E57C7D
UniRef90_J9FH88
UniRef90_B9DPE0
UniRef90_J7J2H5
UniRef90_A0A024JG15
UniRef90_UPI0002C2EB66
UniRef90_R6PXU8
UniRef90_G8U128
UniRef90_D6XU15
UniRef90_A0LHM4
UniRef90_K2Q3K2
UniRef90_Q1J1D0
UniRef90_R9AGK0
UniRef90_UPI00030FE96C
UniRef90_V9LAT0
UniRef90_Q1IQ54
UniRef90_K2EZG4
UniRef90_W6JT15
UniRef90_R6P6B3
UniRef90_X1N3Y5
UniRef90_G0J6A7
UniRef90_UPI0002B4D511
UniRef90_UPI0003FE28C6
UniRef90_A4J5W6
UniRef90_K6ULB8
UniRef90_H5SA85
UniRef90_F9FX97
UniRef90_K0YLC0
UniRef90_T0IKW6
UniRef90_D6GRX8
UniRef90_W1U2Z6
UniRef90_D0LZ84
UniRef90_F8KYC8
UniRef90_E6UGL3

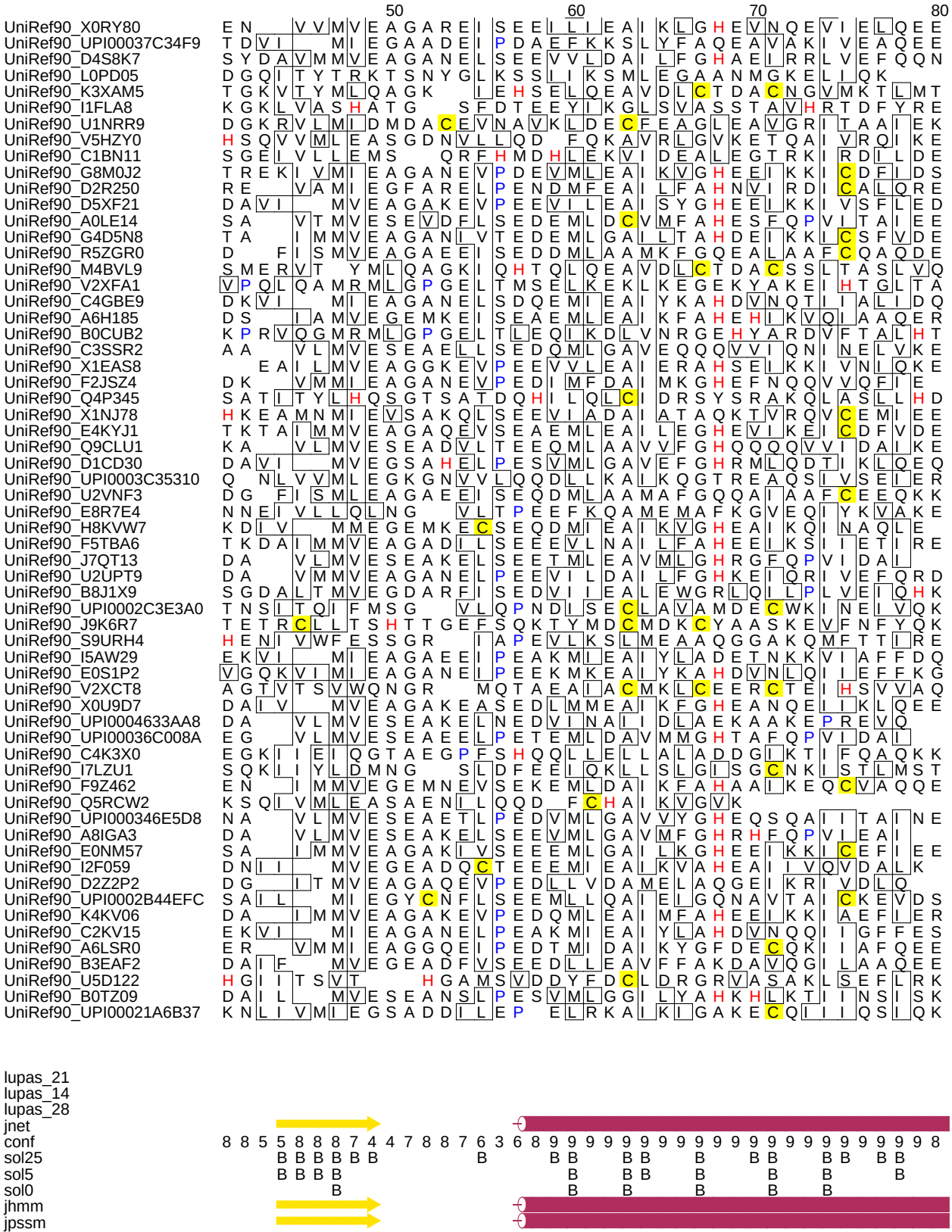

UniRef90_UPI00046D3D4D A L
UniRef90_UPI000466DB6A I V
UniRef90_UPI0003B628E4 I V
UniRef90_I0IPQ9
UniRef90_W0DIR1
UniRef90_R7NM70 I
UniRef90_B0CZF3
UniRef90_R7CN94 I I A
UniRef90_Q2H9X2
UniRef90_L1NF84 E L G
UniRef90_U6GVK2
UniRef90_Q9YC03 A I
UniRef90_A6LNF5 I L
UniRef90_R4K6Z3 A M
UniRef90_UPI00037125CE I V A
UniRef90_I4D9E5 A L A L
UniRef90_A0A024QD04 I V
UniRef90_Q82ZJ2 I V A
UniRef90_V9LEY0 S V
UniRef90_R7TC29 A V
UniRef90_F0RZ08
UniRef90_V6J8A9 I V
UniRef90_UPI000373BE7D L V
UniRef90_UPI0003FB215F
UniRef90_L8MRX4 L I
UniRef90_Q73NW1
UniRef90_W4YD93 A V
UniRef90_N1QCU9
UniRef90_E5BM81 F V K I
UniRef90_A8F725 I L
UniRef90_A1BDY1
UniRef90_M5TS50
UniRef90_R9JD42 I V A
UniRef90_A6TM00 I V
UniRef90_UPI00031429B9 I I A
UniRef90_M5ED11 A
UniRef90_S2VH26 V L
UniRef90_R9GCJ0
UniRef90_R7IRF7 I
UniRef90_W4UY41 L M
UniRef90_UPI00039DCD78
UniRef90_D1AJE6
UniRef90_H0E1Z4
UniRef90_E4T510 A V G
UniRef90_T2M4V1 S V
UniRef90_F1QHK4 V V
UniRef90_T2JTV0 I L
UniRef90_R6ESI9 E L G
UniRef90_X1CK85 V L N L
UniRef90_J9GBH1 I V A
UniRef90_F6U3C1 S V
UniRef90_S7UYB7 A L G
UniRef90_A3WCA1 A V
UniRef90_R6NF44
UniRef90_R5G522 I V
UniRef90_D3SQG9
UniRef90_UPI000414A7F7
UniRef90_A8P069 R L
UniRef90_UPI0002E57C7D
UniRef90_J9FH88 M V A
UniRef90_B9DPE0 I I
UniRef90_J7J2H5
UniRef90_A0A024JG15
UniRef90_UPI0002C2EB66 V I
UniRef90_R6PXU8 I
UniRef90_G8U128
UniRef90_D6XU15 I I A
UniRef90_A0LHM4
UniRef90_K2Q3K2 L V
UniRef90_Q1J1D0 E V G
UniRef90_R9AGK0
UniRef90_UPI00030FE96C
UniRef90_V9LAT0 I V
UniRef90_Q1IQ54
UniRef90_K2EZG4
UniRef90_W6JT15 A L
UniRef90_R6P6B3
UniRef90_X1N3Y5 A L
UniRef90_G0J6A7
UniRef90_UPI0002B4D511 C L
UniRef90_UPI0003FE28C6 L M
UniRef90_A4J5W6 A L G M
UniRef90_K6ULB8 A L
UniRef90_H5SA85 A M A
UniRef90_F9FX97 S
UniRef90_K0YLC0 F L A M
UniRef90_T0IKW6 I I A
UniRef90_D6GRX8 I V
UniRef90_W1U2Z6 M V A
UniRef90_D0LZ84
UniRef90_F8KYC8 E L G
UniRef90_E6UGL3

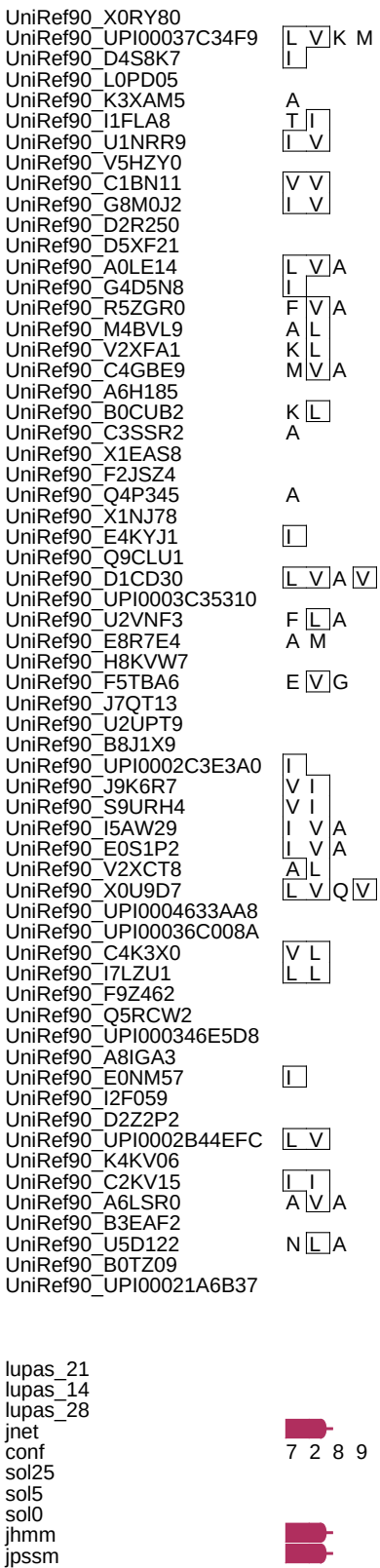

1
10
20
30
40
UniRef90_UPI0003829C65
UniRef90_UPI000371C693
UniRef90_D5BHA1
UniRef90_X5D8N7
UniRef90_Q3A4A1
UniRef90_Q2WBX1
UniRef90_R5J6J1
UniRef90_K2DGM9
UniRef90_H5SHL9
UniRef90_UPI00046DD69D
UniRef90_X1MRE6
UniRef90_R7EZA1
UniRef90_UPI000470BD48
UniRef90_Q4FVL0
UniRef90_UPI0003F15530
UniRef90_UPI00029A948D
UniRef90_K0RD33
UniRef90_F9X852
UniRef90_A4A182
UniRef90_A0A010ZWN6
UniRef90_C7H016
UniRef90_D0NP71
UniRef90_E9GVU2
UniRef90_I3VWE3
UniRef90_E3DRZ4
UniRef90_UPI00036EB866
UniRef90_B5JGB1
UniRef90_UPI00046251DE
UniRef90_H2PRF4
UniRef90_G0V3B7
UniRef90_V1CLA7
UniRef90_E3H9F7
UniRef90_C0QHM6
UniRef90_E9GI57
UniRef90_D8FC94
UniRef90_H8GTB6
UniRef90_A0A059DBB3
UniRef90_Q0BPK3
UniRef90_C0BG97
UniRef90_D4G862
UniRef90_F6CM92
UniRef90_I2JYD7
UniRef90_D1B9J9
UniRef90_I0WHB5
UniRef90_A0A023AXC2
UniRef90_R5N8X6
UniRef90_J0N4Z8
UniRef90_R6WGD9
UniRef90_F0RM12
UniRef90_R8W1B7
UniRef90_B8M4T0
UniRef90_A0A024UTI3
UniRef90_S0G427
UniRef90_S9W0M4
UniRef90_R5TRN2
UniRef90_UPI0003469B8E
UniRef90_T1L0C1
UniRef90_UPI00037E9651
UniRef90_K7MXX4
UniRef90_C3ZLS8
UniRef90_R5SIF6
UniRef90_S4NW40
UniRef90_R7Q565
UniRef90_F2I045
UniRef90_Q9RSR1
UniRef90_UPI0003B4177D
UniRef90_UPI0004042C5F
UniRef90_Q4SQL7
UniRef90_R9L982
UniRef90_R9P925
UniRef90_A8NUZ2
UniRef90_C6HXK6
UniRef90_UPI0002F0F2B4
UniRef90_R6STL5
UniRef90_R7U8S1
UniRef90_J4WUV1
UniRef90_I1L6L3
UniRef90_Q1K0G6
UniRef90_W7Y8G1
UniRef90_W5BIV2
UniRef90_UPI0003599589
UniRef90_UPI0003B7A743
UniRef90_R5AWB5
UniRef90_Q5L5B4
UniRef90_UPI00030C3B82
UniRef90_F2SE03
UniRef90_U2DZQ8
UniRef90_A3XJF2
UniRef90_B2UNA9
UniRef90_E8QWZ8
UniRef90_R7L7Y4
UniRef90_R7MR86


50
60
70
80
UniRef90_UPI0003829C65
UniRef90_UPI000371C693
UniRef90_D5BHA1
UniRef90_X5D8N7
UniRef90_Q3A4A1
UniRef90_Q2WBX1
UniRef90_R5J6J1
UniRef90_K2DGM9
UniRef90_H5SHL9
UniRef90_UPI00046DD69D
UniRef90_X1MRE6
UniRef90_R7EZA1
UniRef90_UPI000470BD48
UniRef90_Q4FVL0
UniRef90_UPI0003F15530
UniRef90_UPI00029A948D
UniRef90_K0RD33
UniRef90_F9X852
UniRef90_A4A182
UniRef90_A0A010ZWN6
UniRef90_C7H016
UniRef90_D0NP71
UniRef90_E9GVU2
UniRef90_I3VWE3
UniRef90_E3DRZ4
UniRef90_UPI00036EB866
UniRef90_B5JGB1
UniRef90_UPI00046251DE
UniRef90_H2PRF4
UniRef90_G0V3B7
UniRef90_V1CLA7
UniRef90_E3H9F7
UniRef90_C0QHM6
UniRef90_E9GI57
UniRef90_D8FC94
UniRef90_H8GTB6
UniRef90_A0A059DBB3
UniRef90_Q0BPK3
UniRef90_C0BG97
UniRef90_D4G862
UniRef90_F6CM92
UniRef90_I2JYD7
UniRef90_D1B9J9
UniRef90_I0WHB5
UniRef90_A0A023AXC2
UniRef90_R5N8X6
UniRef90_J0N4Z8
UniRef90_R6WGD9
UniRef90_F0RM12
UniRef90_R8W1B7
UniRef90_B8M4T0
UniRef90_A0A024UTI3
UniRef90_S0G427
UniRef90_S9W0M4
UniRef90_R5TRN2
UniRef90_UPI0003469B8E
UniRef90_T1L0C1
UniRef90_UPI00037E9651
UniRef90_K7MXX4
UniRef90_C3ZLS8
UniRef90_R5SIF6
UniRef90_S4NW40
UniRef90_R7Q565
UniRef90_F2I045
UniRef90_Q9RSR1
UniRef90_UPI0003B4177D
UniRef90_UPI0004042C5F
UniRef90_Q4SQL7
UniRef90_R9L982
UniRef90_R9P925
UniRef90_A8NUZ2
UniRef90_C6HXK6
UniRef90_UPI0002F0F2B4
UniRef90_R6STL5
UniRef90_R7U8S1
UniRef90_J4WUV1
UniRef90_I1L6L3
UniRef90_Q1K0G6
UniRef90_W7Y8G1
UniRef90_W5BIV2
UniRef90_UPI0003599589
UniRef90_UPI0003B7A743
UniRef90_R5AWB5
UniRef90_Q5L5B4
UniRef90_UPI00030C3B82
UniRef90_F2SE03
UniRef90_U2DZQ8
UniRef90_A3XJF2
UniRef90_B2UNA9
UniRef90_E8QWZ8
UniRef90_R7L7Y4
UniRef90_R7MR86


UniRef90_UPI0003829C65
UniRef90_UPI000371C693 A V G
UniRef90_D5BHA1
UniRef90_X5D8N7 E L G V
UniRef90_Q3A4A1 L V K I
UniRef90_Q2WBX1
UniRef90_R5J6J1 I V A
UniRef90_K2DGM9
UniRef90_H5SHL9
UniRef90_UPI00046DD69D C L
UniRef90_X1MRE6
UniRef90_R7EZA1 L M
UniRef90_UPI000470BD48 A V G V
UniRef90_Q4FVL0
UniRef90_UPI0003F15530 S L
UniRef90_UPI00029A948D
UniRef90_K0RD33
UniRef90_F9X852
UniRef90_A4A182 F L
UniRef90_A0A010ZWN6 L V
UniRef90_C7H016 I
UniRef90_D0NP71 S L
UniRef90_E9GVU2 I M
UniRef90_I3VWE3 E V G L
UniRef90_E3DRZ4
UniRef90_UPI00036EB866
UniRef90_B5JGB1
UniRef90_UPI00046251DE S
UniRef90_H2PRF4 V V
UniRef90_G0V3B7
UniRef90_V1CLA7 V V A
UniRef90_E3H9F7
UniRef90_C0QHM6 A L G
UniRef90_E9GI57
UniRef90_D8FC94 E V G
UniRef90_H8GTB6 E I G L
UniRef90_A0A059DBB3 A I
UniRef90_Q0BPK3
UniRef90_C0BG97 Q I A L
UniRef90_D4G862
UniRef90_F6CM92 A L A L
UniRef90_I2JYD7
UniRef90_D1B9J9
UniRef90_I0WHB5 L V
UniRef90_A0A023AXC2 E L A
UniRef90_R5N8X6
UniRef90_J0N4Z8
UniRef90_R6WGD9 I V A
UniRef90_F0RM12 E L G
UniRef90_R8W1B7
UniRef90_B8M4T0
UniRef90_A0A024UTI3 E V
UniRef90_S0G427
UniRef90_S9W0M4 A I
UniRef90_R5TRN2 I V A
UniRef90_UPI0003469B8E
UniRef90_T1L0C1 S M
UniRef90_UPI00037E9651 E V G
UniRef90_K7MXX4 L V
UniRef90_C3ZLS8 A V
UniRef90_R5SIF6
UniRef90_S4NW40
UniRef90_R7Q565
UniRef90_F2I045
UniRef90_Q9RSR1 E V G
UniRef90_UPI0003B4177D
UniRef90_UPI0004042C5F A V G
UniRef90_Q4SQL7
UniRef90_R9L982 V
UniRef90_R9P925 A
UniRef90_A8NUZ2 K L A
UniRef90_C6HXK6
UniRef90_UPI0002F0F2B4
UniRef90_R6STL5 I V
UniRef90_R7U8S1
UniRef90_J4WUV1
UniRef90_I1L6L3 N I G
UniRef90_Q1K0G6
UniRef90_W7Y8G1 L M
UniRef90_W5BIV2
UniRef90_UPI0003599589
UniRef90_UPI0003B7A743 M V
UniRef90_R5AWB5
UniRef90_Q5L5B4
UniRef90_UPI00030C3B82
UniRef90_F2SE03
UniRef90_U2DZQ8 I V
UniRef90_A3XJF2
UniRef90_B2UNA9
UniRef90_E8QWZ8 A V G L
UniRef90_R7L7Y4 I
UniRef90_R7MR86 I


1 10 20 30 40
UniRef90_X0RY80
UniRef90_UPI00037C34F9
UniRef90_D4S8K7
UniRef90_L0PD05
UniRef90_K3XAM5
UniRef90_I1FLA8
UniRef90_U1NRR9
UniRef90_V5HZY0
UniRef90_C1BN11
UniRef90_G8M0J2
UniRef90_D2R250
UniRef90_D5XF21
UniRef90_A0LE14
UniRef90_G4D5N8
UniRef90_R5ZGR0
UniRef90_M4BVL9
UniRef90_V2XFA1
UniRef90_C4GBE9
UniRef90_A6H185
UniRef90_B0CUB2
UniRef90_C3SSR2
UniRef90_X1EAS8
UniRef90_F2JSZ4
UniRef90_Q4P345
UniRef90_X1NJ78
UniRef90_E4KYJ1
UniRef90_Q9CLU1
UniRef90_D1CD30
UniRef90_UPI0003C35310
UniRef90_U2VNF3
UniRef90_E8R7E4
UniRef90_H8KVW7
UniRef90_F5TBA6
UniRef90_J7QT13
UniRef90_U2UPT9
UniRef90_B8J1X9
UniRef90_UPI0002C3E3A0
UniRef90_J9K6R7
UniRef90_S9URH4
UniRef90_I5AW29
UniRef90_E0S1P2
UniRef90_V2XCT8
UniRef90_X0U9D7
UniRef90_UPI0004633AA8
UniRef90_UPI00036C008A
UniRef90_C4K3X0
UniRef90_I7LZU1
UniRef90_F9Z462
UniRef90_Q5RCW2
UniRef90_UPI000346E5D8
UniRef90_A8IGA3
UniRef90_E0NM57
UniRef90_I2F059
UniRef90_D2Z2P2
UniRef90_UPI0002B44EFC
UniRef90_K4KV06
UniRef90_C2KV15
UniRef90_A6LSR0
UniRef90_B3EAF2
UniRef90_U5D122
UniRef90_B0TZ09
UniRef90_UPI00021A6B37
lupas_21
lupas_14
lupas_28
jnet
conf 9 9 9 8 4 5 8 8 9 9 9 8 7 2 7 5 5 8 8 5 3 7 5 5 5 5 4 1 5 2 2 5 8 9 9 8 6 4 8
sol25 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
sol0 B B B B B B B B
jhmm
jpssm


50
60
70
80
UniRef90_X0RY80
UniRef90_UPI00037C34F9
UniRef90_D4S8K7
UniRef90_L0PD05
UniRef90_K3XAM5
UniRef90_I1FLA8
UniRef90_U1NRR9
UniRef90_V5HZY0
UniRef90_C1BN11
UniRef90_G8M0J2
UniRef90_D2R250
UniRef90_D5XF21
UniRef90_A0LE14
UniRef90_G4D5N8
UniRef90_R5ZGR0
UniRef90_M4BVL9
UniRef90_V2XFA1
UniRef90_C4GBE9
UniRef90_A6H185
UniRef90_B0CUB2
UniRef90_C3SSR2
UniRef90_X1EAS8
UniRef90_F2JSZ4
UniRef90_Q4P345
UniRef90_X1NJ78
UniRef90_E4KYJ1
UniRef90_Q9CLU1
UniRef90_D1CD30
UniRef90_UPI0003C35310
UniRef90_U2VNF3
UniRef90_E8R7E4
UniRef90_H8KVW7
UniRef90_F5TBA6
UniRef90_J7QT13
UniRef90_U2UPT9
UniRef90_B8J1X9
UniRef90_UPI0002C3E3A0
UniRef90_J9K6R7
UniRef90_S9URH4
UniRef90_I5AW29
UniRef90_E0S1P2
UniRef90_V2XCT8
UniRef90_X0U9D7
UniRef90_UPI0004633AA8
UniRef90_UPI00036C008A
UniRef90_C4K3X0
UniRef90_I7LZU1
UniRef90_F9Z462
UniRef90_Q5RCW2
UniRef90_UPI000346E5D8
UniRef90_A8IGA3
UniRef90_E0NM57
UniRef90_I2F059
UniRef90_D2Z2P2
UniRef90_UPI0002B44EFC
UniRef90_K4KV06
UniRef90_C2KV15
UniRef90_A6LSR0
UniRef90_B3EAF2
UniRef90_U5D122
UniRef90_B0TZ09
UniRef90_UPI00021A6B37
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


UniRef90_X0RY80
UniRef90_UPI00037C34F9
UniRef90_D4S8K7
UniRef90_L0PD05
UniRef90_K3XAM5
UniRef90_I1FLA8
UniRef90_U1NRR9
UniRef90_V5HZY0
UniRef90_C1BN11
UniRef90_G8M0J2
UniRef90_D2R250
UniRef90_D5XF21
UniRef90_A0LE14
UniRef90_G4D5N8
UniRef90_R5ZGR0
UniRef90_M4BVL9
UniRef90_V2XFA1
UniRef90_C4GBE9
UniRef90_A6H185
UniRef90_B0CUB2
UniRef90_C3SSR2
UniRef90_X1EAS8
UniRef90_F2JSZ4
UniRef90_Q4P345
UniRef90_X1NJ78
UniRef90_E4KYJ1
UniRef90_Q9CLU1
UniRef90_D1CD30
UniRef90_UPI0003C35310
UniRef90_U2VNF3
UniRef90_E8R7E4
UniRef90_H8KVW7
UniRef90_F5TBA6
UniRef90_J7QT13
UniRef90_U2UPT9
UniRef90_B8J1X9
UniRef90_UPI0002C3E3A0
UniRef90_J9K6R7
UniRef90_S9URH4
UniRef90_I5AW29
UniRef90_E0S1P2
UniRef90_V2XCT8
UniRef90_X0U9D7
UniRef90_UPI0004633AA8
UniRef90_UPI00036C008A
UniRef90_C4K3X0
UniRef90_I7LZU1
UniRef90_F9Z462
UniRef90_Q5RCW2
UniRef90_UPI000346E5D8
UniRef90_A8IGA3
UniRef90_E0NM57
UniRef90_I2F059
UniRef90_D2Z2P2
UniRef90_UPI0002B44EFC
UniRef90_K4KV06
UniRef90_C2KV15
UniRef90_A6LSR0
UniRef90_B3EAF2
UniRef90_U5D122
UniRef90_B0TZ09
UniRef90_UPI00021A6B37
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm