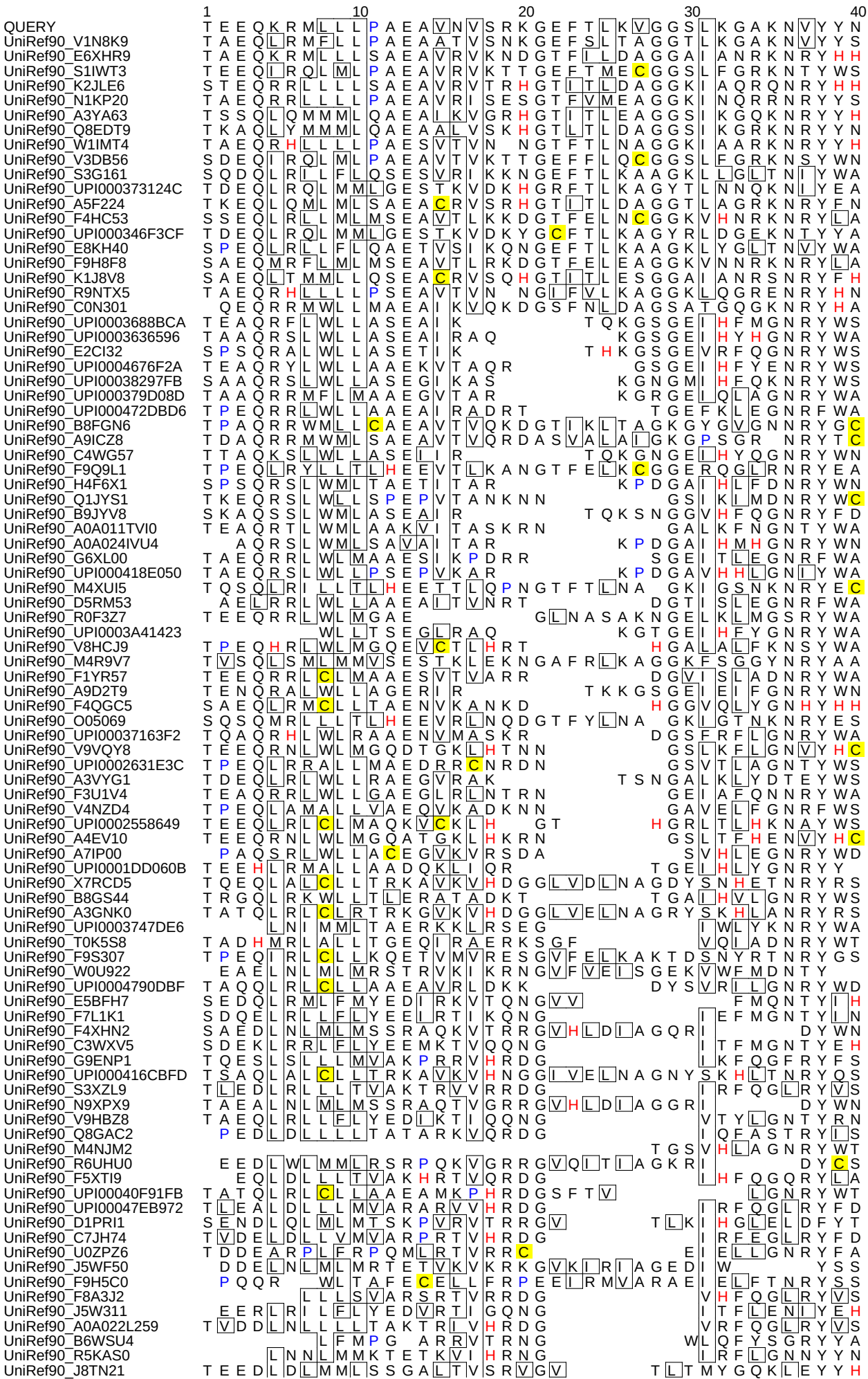
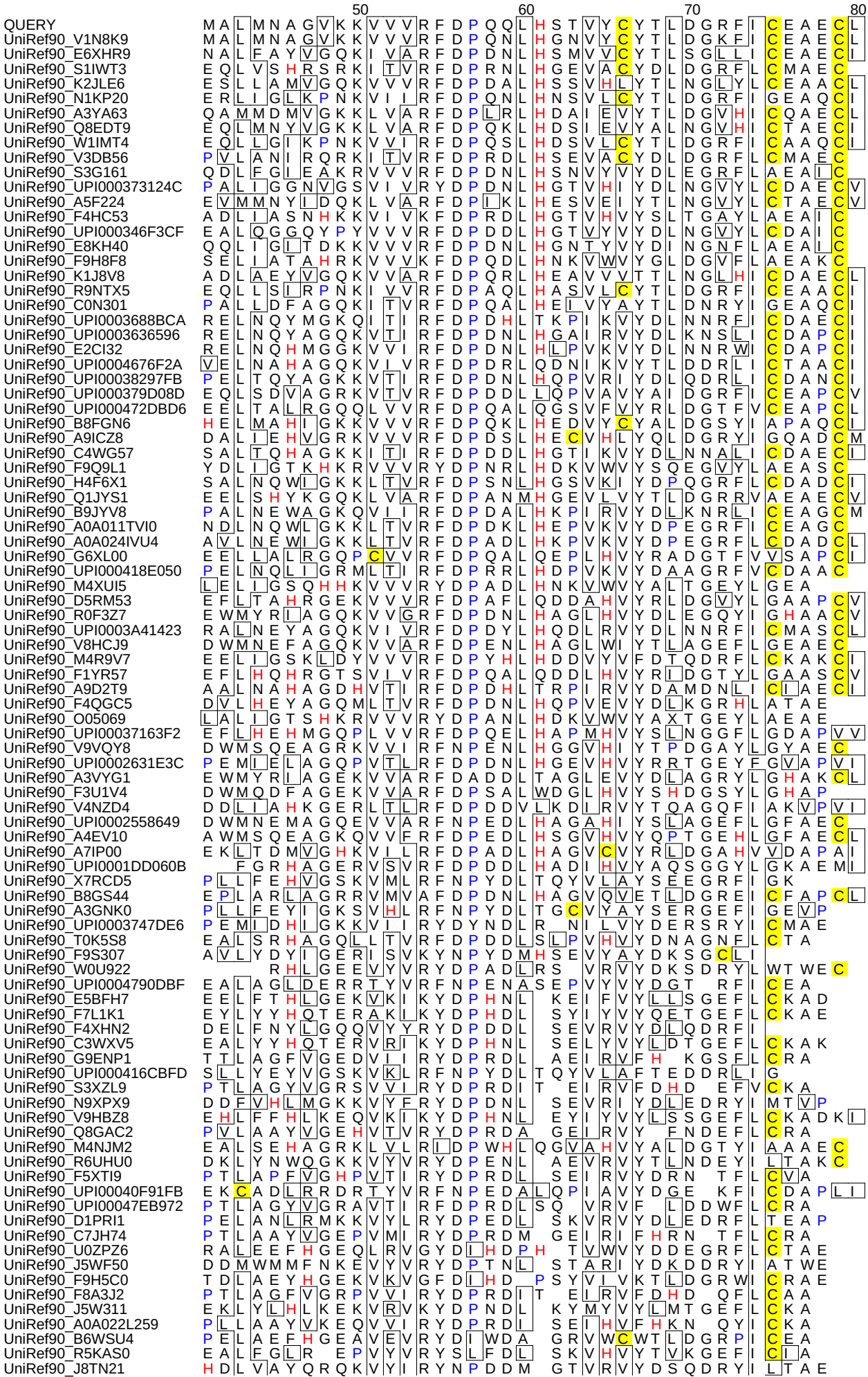
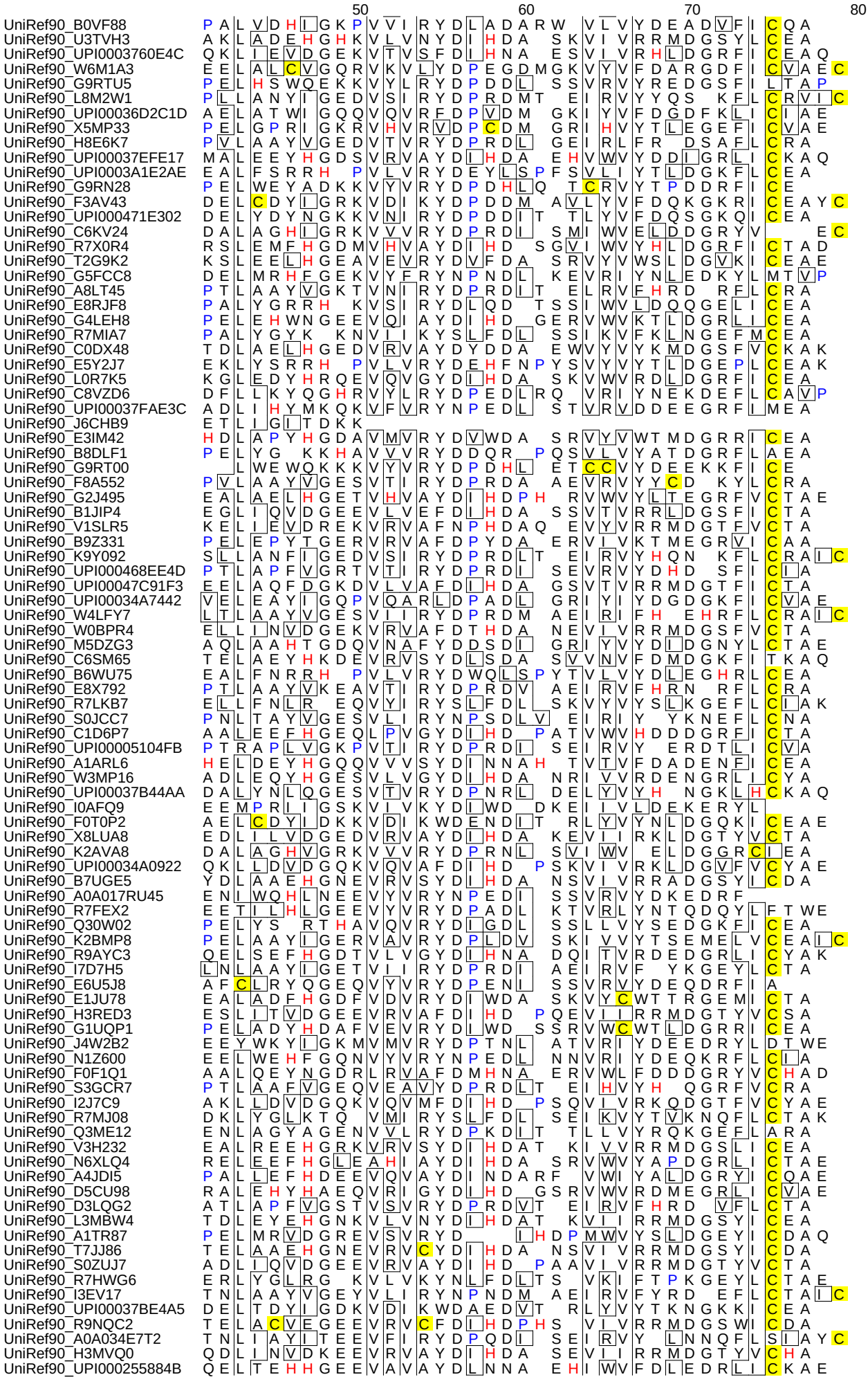

1
10
20
30
40
QUERY
UniRef90_V1N8K9
UniRef90_E6XHR9
UniRef90_S1IWT3
UniRef90_K2JLE6
UniRef90_N1KP20
UniRef90_A3YA63
UniRef90_Q8EDT9
UniRef90_W1IMT4
UniRef90_V3DB56
UniRef90_S3G161
UniRef90_UPI000373124C
UniRef90_A5F224
UniRef90_F4HC53
UniRef90_UPI000346F3CF
UniRef90_E8KH40
UniRef90_F9H8F8
UniRef90_K1J8V8
UniRef90_R9NTX5
UniRef90_C0N301
UniRef90_UPI0003688BCA
UniRef90_UPI0003636596
UniRef90_E2CI32
UniRef90_UPI0004676F2A
UniRef90_UPI00038297FB
UniRef90_UPI000379D08D
UniRef90_UPI000472DBD6
UniRef90_B8FGN6
UniRef90_A9ICZ8
UniRef90_C4WG57
UniRef90_F9Q9L1
UniRef90_H4F6X1
UniRef90_Q1JYS1
UniRef90_B9JYV8
UniRef90_A0A011TVI0
UniRef90_A0A024IVU4
UniRef90_G6XL00
UniRef90_UPI000418E050
UniRef90_M4XUI5
UniRef90_D5RM53
UniRef90_R0F3Z7
UniRef90_UPI0003A41423
UniRef90_V8HCJ9
UniRef90_M4R9V7
UniRef90_F1YR57
UniRef90_A9D2T9
UniRef90_F4QGC5
UniRef90_O05069
UniRef90_UPI00037163F2
UniRef90_V9VQY8
UniRef90_UPI0002631E3C
UniRef90_A3VYG1
UniRef90_F3U1V4
UniRef90_V4NZD4
UniRef90_UPI0002558649
UniRef90_A4EV10
UniRef90_A7IP00
UniRef90_UPI0001DD060B
UniRef90_X7RCD5
UniRef90_B8GS44
UniRef90_A3GNK0
UniRef90_UPI0003747DE6
UniRef90_T0K5S8
UniRef90_F9S307
UniRef90_W0U922
UniRef90_UPI0004790DBF
UniRef90_E5BFH7
UniRef90_F7L1K1
UniRef90_F4XHN2
UniRef90_C3WXV5
UniRef90_G9ENP1
UniRef90_UPI000416CBFD
UniRef90_S3XZL9
UniRef90_N9XPX9
UniRef90_V9HBZ8
UniRef90_Q8GAC2
UniRef90_M4NJM2
UniRef90_R6UHU0
UniRef90_F5XTI9
UniRef90_UPI00040F91FB
UniRef90_UPI00047EB972
UniRef90_D1PRI1
UniRef90_C7JH74
UniRef90_U0ZPZ6
UniRef90_J5WF50
UniRef90_F9H5C0
UniRef90_F8A3J2
UniRef90_J5W311
UniRef90_A0A022L259
UniRef90_B6WSU4
UniRef90_R5KAS0
UniRef90_J8TN21

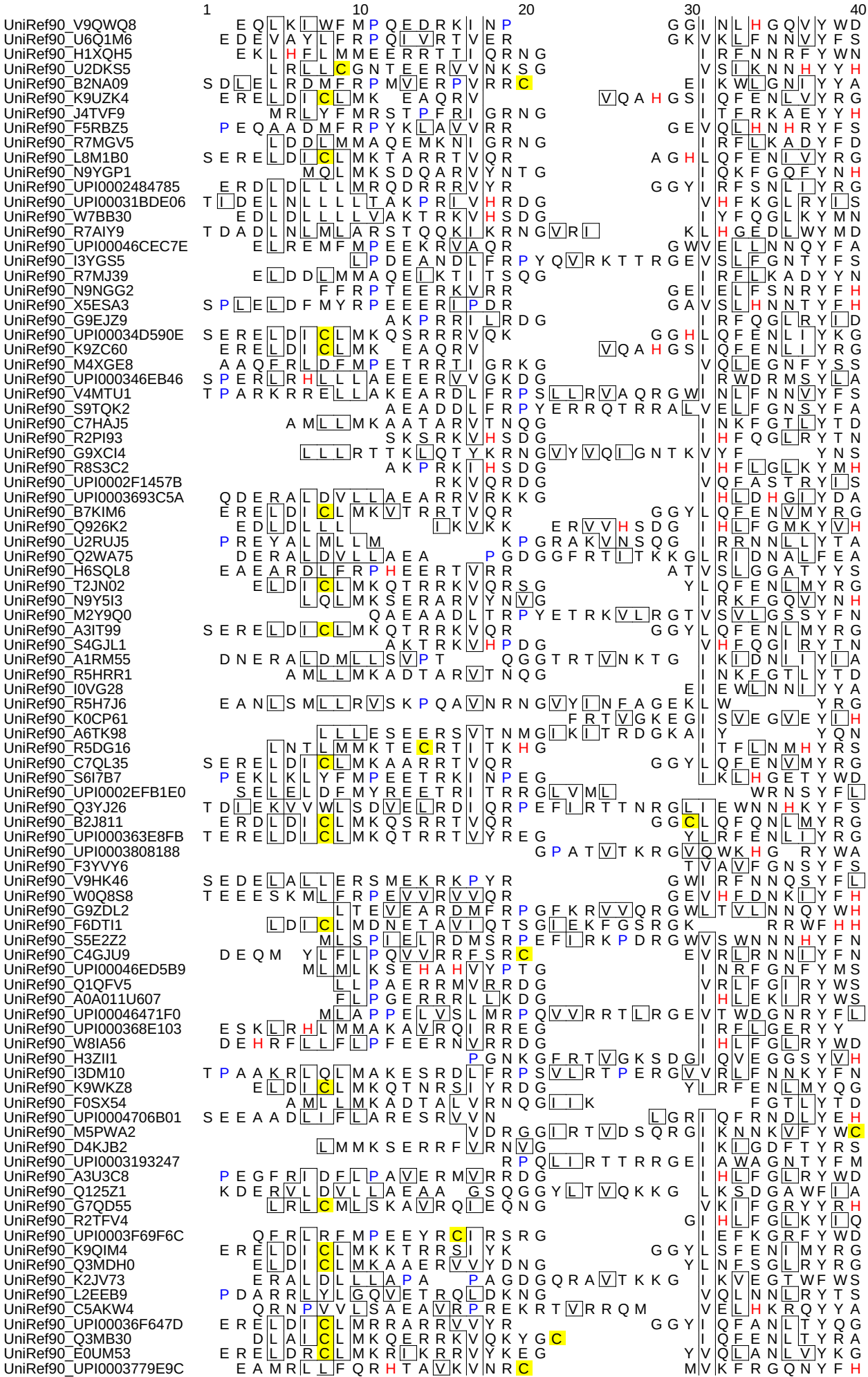

50
60
70
80
QUERY
UniRef90_V1N8K9
UniRef90_E6XHR9
UniRef90_S1IWT3
UniRef90_K2JLE6
UniRef90_N1KP20
UniRef90_A3YA63
UniRef90_Q8EDT9
UniRef90_W1IMT4
UniRef90_V3DB56
UniRef90_S3G161
UniRef90_UPI000373124C
UniRef90_A5F224
UniRef90_F4HC53
UniRef90_UPI000346F3CF
UniRef90_E8KH40
UniRef90_F9H8F8
UniRef90_K1J8V8
UniRef90_R9NTX5
UniRef90_C0N301
UniRef90_UPI0003688BCA
UniRef90_UPI0003636596
UniRef90_E2CI32
UniRef90_UPI0004676F2A
UniRef90_UPI00038297FB
UniRef90_UPI000379D08D
UniRef90_UPI000472DBD6
UniRef90_B8FGN6
UniRef90_A9ICZ8
UniRef90_C4WG57
UniRef90_F9Q9L1
UniRef90_H4F6X1
UniRef90_Q1JYS1
UniRef90_B9JYV8
UniRef90_A0A011TVI0
UniRef90_A0A024IVU4
UniRef90_G6XL00
UniRef90_UPI000418E050
UniRef90_M4XUI5
UniRef90_D5RM53
UniRef90_R0F3Z7
UniRef90_UPI0003A41423
UniRef90_V8HCJ9
UniRef90_M4R9V7
UniRef90_F1YR57
UniRef90_A9D2T9
UniRef90_F4QGC5
UniRef90_O05069
UniRef90_UPI00037163F2
UniRef90_V9VQY8
UniRef90_UPI0002631E3C
UniRef90_A3VYG1
UniRef90_F3U1V4
UniRef90_V4NZD4
UniRef90_UPI0002558649
UniRef90_A4EV10
UniRef90_A7IP00
UniRef90_UPI0001DD060B
UniRef90_X7RCD5
UniRef90_B8GS44
UniRef90_A3GNK0
UniRef90_UPI0003747DE6
UniRef90_T0K5S8
UniRef90_F9S307
UniRef90_W0U922
UniRef90_UPI0004790DBF
UniRef90_E5BFH7
UniRef90_F7L1K1
UniRef90_F4XHN2
UniRef90_C3WXV5
UniRef90_G9ENP1
UniRef90_UPI000416CBFD
UniRef90_S3XZL9
UniRef90_N9XPX9
UniRef90_V9HBZ8
UniRef90_Q8GAC2
UniRef90_M4NJM2
UniRef90_R6UHU0
UniRef90_F5XTI9
UniRef90_UPI00040F91FB
UniRef90_UPI00047EB972
UniRef90_D1PRI1
UniRef90_C7JH74
UniRef90_U0ZPZ6
UniRef90_J5WF50
UniRef90_F9H5C0
UniRef90_F8A3J2
UniRef90_J5W311
UniRef90_A0A022L259
UniRef90_B6WSU4
UniRef90_R5KAS0
UniRef90_J8TN21

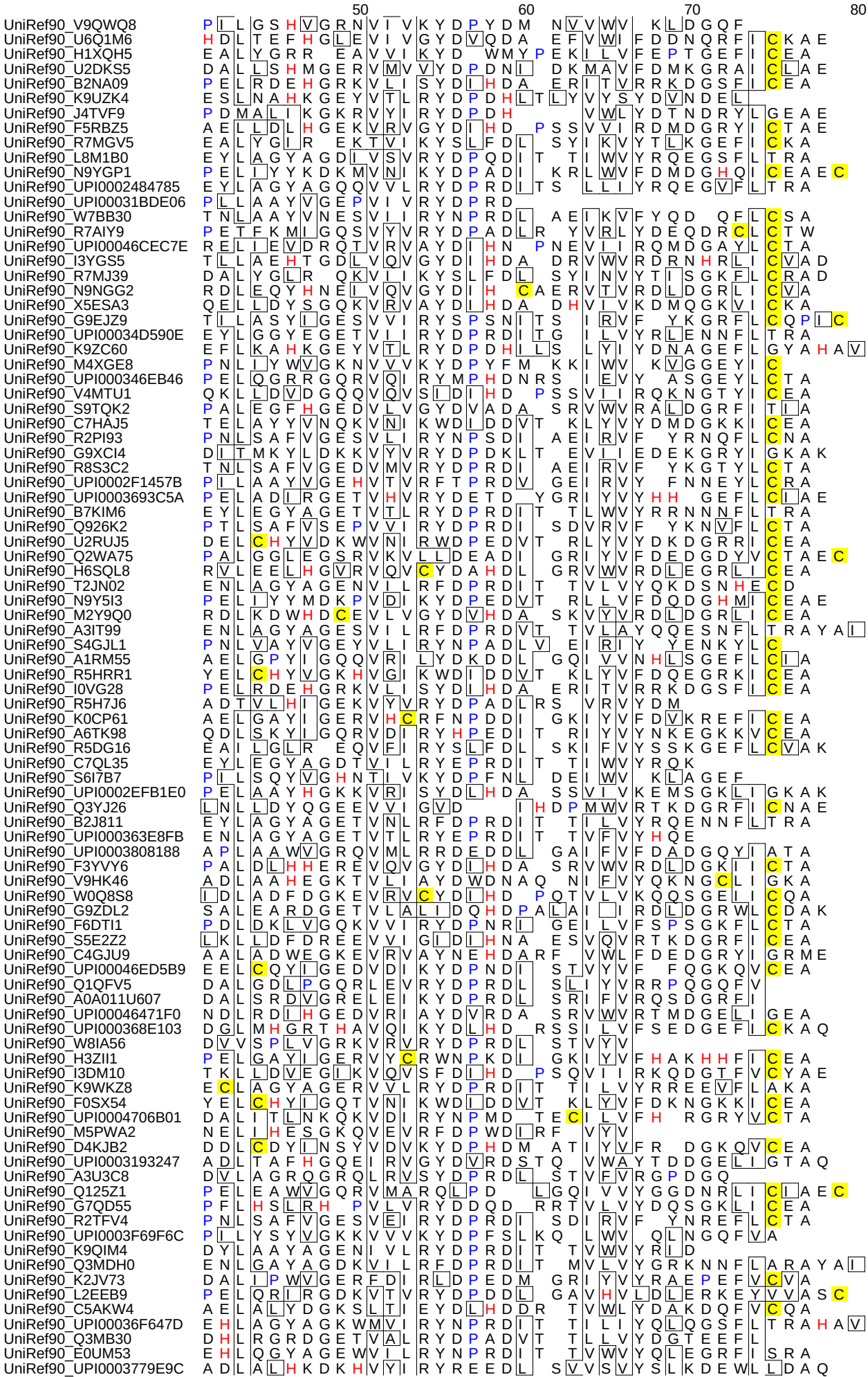
QUERY
UniRef90_V1N8K9
UniRef90_E6XHR9
UniRef90_S1IWT3
UniRef90_K2JLE6
UniRef90_N1KP20
UniRef90_A3YA63
UniRef90_Q8EDT9
UniRef90_W1IMT4
UniRef90_V3DB56
UniRef90_S3G161
UniRef90_UPI000373124C
UniRef90_A5F224
UniRef90_F4HC53
UniRef90_UPI000346F3CF
UniRef90_E8KH40
UniRef90_F9H8F8
UniRef90_K1J8V8
UniRef90_R9NTX5
UniRef90_C0N301
UniRef90_UPI0003688BCA
UniRef90_UPI0003636596
UniRef90_E2CI32
UniRef90_UPI0004676F2A
UniRef90_UPI00038297FB
UniRef90_UPI000379D08D
UniRef90_UPI000472DBD6
UniRef90_B8FGN6
UniRef90_A9ICZ8
UniRef90_C4WG57
UniRef90_F9Q9L1
UniRef90_H4F6X1
UniRef90_Q1JYS1
UniRef90_B9JYV8
UniRef90_A0A011TVI0
UniRef90_A0A024IVU4
UniRef90_G6XL00
UniRef90_UPI000418E050
UniRef90_M4XUI5
UniRef90_D5RM53
UniRef90_R0F3Z7
UniRef90_UPI0003A41423
UniRef90_V8HCJ9
UniRef90_M4R9V7
UniRef90_F1YR57
UniRef90_A9D2T9
UniRef90_F4QGC5
UniRef90_O05069
UniRef90_UPI00037163F2
UniRef90_V9VQY8
UniRef90_UPI0002631E3C
UniRef90_A3VYG1
UniRef90_F3U1V4
UniRef90_V4NZD4
UniRef90_UPI0002558649
UniRef90_A4EV10
UniRef90_A7IP00
UniRef90_UPI0001DD060B
UniRef90_X7RCD5
UniRef90_B8GS44
UniRef90_A3GNK0
UniRef90_UPI0003747DE6
UniRef90_T0K5S8
UniRef90_F9S307
UniRef90_W0U922
UniRef90_UPI0004790DBF
UniRef90_E5BFH7
UniRef90_F7L1K1
UniRef90_F4XHN2
UniRef90_C3WXV5
UniRef90_G9ENP1
UniRef90_UPI000416CBFD
UniRef90_S3XZL9
UniRef90_N9XPX9
UniRef90_V9HBZ8
UniRef90_Q8GAC2
UniRef90_M4NJM2
UniRef90_R6UHU0
UniRef90_F5XTI9
UniRef90_UPI00040F91FB
UniRef90_UPI00047EB972
UniRef90_D1PRI1
UniRef90_C7JH74
UniRef90_U0ZPZ6
UniRef90_J5WF50
UniRef90_F9H5C0
UniRef90_F8A3J2
UniRef90_J5W311
UniRef90_A0A022L259
UniRef90_B6WSU4
UniRef90_R5KAS0
UniRef90_J8TN21

1
10
20
30
40
UniRef90_B0VF88
UniRef90_U3TVH3
UniRef90_UPI0003760E4C
UniRef90_W6M1A3
UniRef90_G9RTU5
UniRef90_L8M2W1
UniRef90_UPI00036D2C1D
UniRef90_X5MP33
UniRef90_H8E6K7
UniRef90_UPI00037EFE17
UniRef90_UPI0003A1E2AE
UniRef90_G9RN28
UniRef90_F3AV43
UniRef90_UPI000471E302
UniRef90_C6KV24
UniRef90_R7X0R4
UniRef90_T2G9K2
UniRef90_G5FCC8
UniRef90_A8LT45
UniRef90_E8RJF8
UniRef90_G4LEH8
UniRef90_R7MIA7
UniRef90_C0DX48
UniRef90_E5Y2J7
UniRef90_L0R7K5
UniRef90_C8VZD6
UniRef90_UPI00037FAE3C
UniRef90_J6CHB9
UniRef90_E3IM42
UniRef90_B8DLF1
UniRef90_G9RT00
UniRef90_F8A552
UniRef90_G2J495
UniRef90_B1JIP4
UniRef90_V1SLR5
UniRef90_B9Z331
UniRef90_K9Y092
UniRef90_UPI000468EE4D
UniRef90_UPI00047C91F3
UniRef90_UPI00034A7442
UniRef90_W4LFY7
UniRef90_W0BPR4
UniRef90_M5DZG3
UniRef90_C6SM65
UniRef90_B6WU75
UniRef90_E8X792
UniRef90_R7LKB7
UniRef90_S0JCC7
UniRef90_C1D6P7
UniRef90_UPI00005104FB
UniRef90_A1ARL6
UniRef90_W3MP16
UniRef90_UPI00037B44AA
UniRef90_I0AFQ9
UniRef90_F0T0P2
UniRef90_X8LUA8
UniRef90_K2AVA8
UniRef90_UPI00034A0922
UniRef90_B7UGE5
UniRef90_A0A017RU45
UniRef90_R7FEX2
UniRef90_Q30W02
UniRef90_K2BMP8
UniRef90_R9AYC3
UniRef90_I7D7H5
UniRef90_E6U5J8
UniRef90_E1JU78
UniRef90_H3RED3
UniRef90_G1UQP1
UniRef90_J4W2B2
UniRef90_N1Z600
UniRef90_F0F1Q1
UniRef90_S3GCR7
UniRef90_I2J7C9
UniRef90_R7MJ08
UniRef90_Q3ME12
UniRef90_V3H232
UniRef90_N6XLQ4
UniRef90_A4JDI5
UniRef90_D5CU98
UniRef90_D3LQG2
UniRef90_L3MBW4
UniRef90_A1TR87
UniRef90_T7JJ86
UniRef90_S0ZUJ7
UniRef90_R7HWG6
UniRef90_I3EV17
UniRef90_UPI00037BE4A5
UniRef90_R9NQC2
UniRef90_A0A034E7T2
UniRef90_H3MVQ0
UniRef90_UPI000255884B

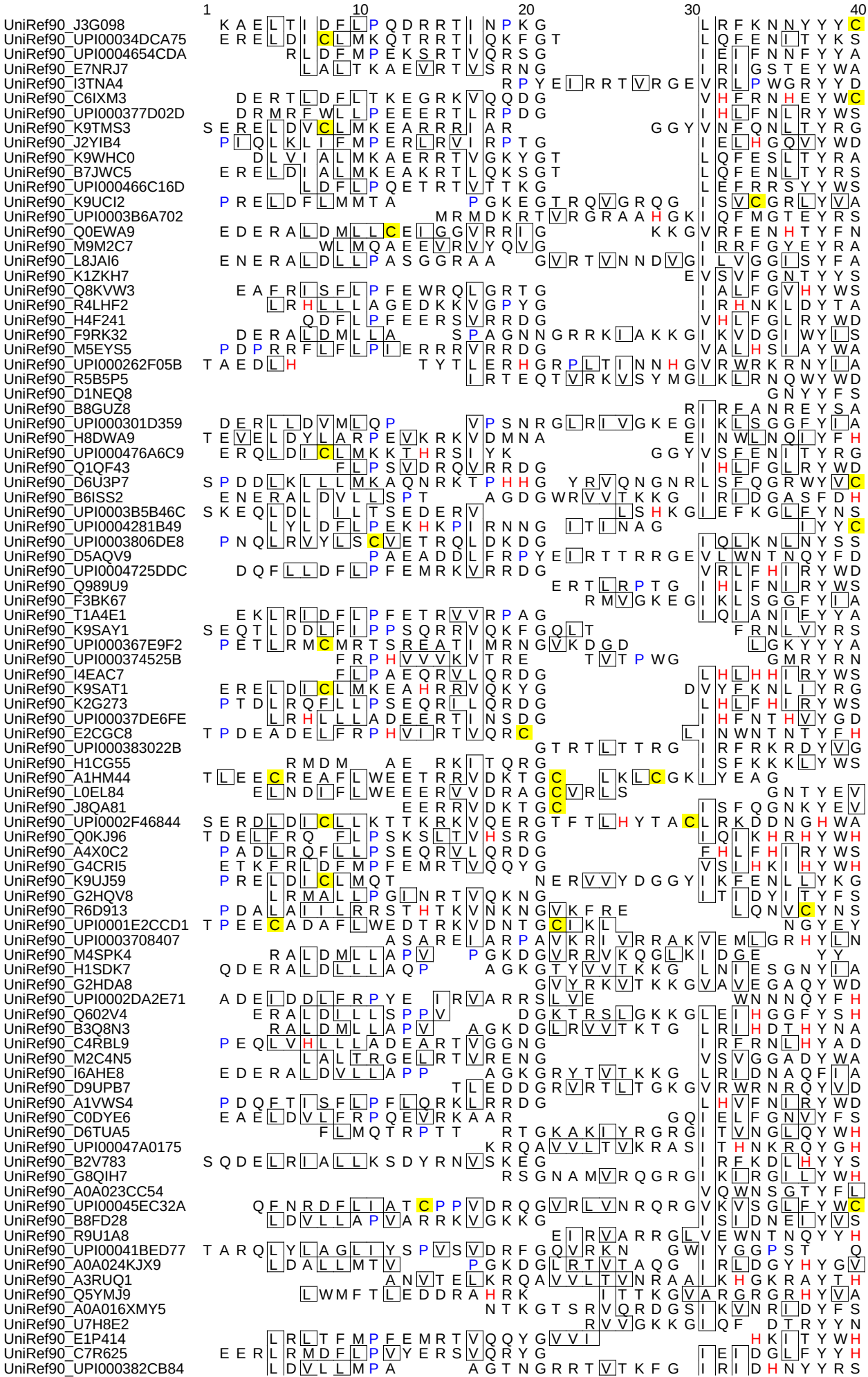

50
60
70
80
UniRef90_B0VF88
UniRef90_U3TVH3
UniRef90_UPI0003760E4C
UniRef90_W6M1A3
UniRef90_G9RTU5
UniRef90_L8M2W1
UniRef90_UPI00036D2C1D
UniRef90_X5MP33
UniRef90_H8E6K7
UniRef90_UPI00037EFE17
UniRef90_UPI0003A1E2AE
UniRef90_G9RN28
UniRef90_F3AV43
UniRef90_UPI000471E302
UniRef90_C6KV24
UniRef90_R7X0R4
UniRef90_T2G9K2
UniRef90_G5FCC8
UniRef90_A8LT45
UniRef90_E8RJF8
UniRef90_G4LEH8
UniRef90_R7MIA7
UniRef90_C0DX48
UniRef90_E5Y2J7
UniRef90_L0R7K5
UniRef90_C8VZD6
UniRef90_UPI00037FAE3C
UniRef90_J6CHB9
UniRef90_E3IM42
UniRef90_B8DLF1
UniRef90_G9RT00
UniRef90_F8A552
UniRef90_G2J495
UniRef90_B1JIP4
UniRef90_V1SLR5
UniRef90_B9Z331
UniRef90_K9Y092
UniRef90_UPI000468EE4D
UniRef90_UPI00047C91F3
UniRef90_UPI00034A7442
UniRef90_W4LFY7
UniRef90_W0BPR4
UniRef90_M5DZG3
UniRef90_C6SM65
UniRef90_B6WU75
UniRef90_E8X792
UniRef90_R7LKB7
UniRef90_S0JCC7
UniRef90_C1D6P7
UniRef90_UPI00005104FB
UniRef90_A1ARL6
UniRef90_W3MP16
UniRef90_UPI00037B44AA
UniRef90_I0AFQ9
UniRef90_F0T0P2
UniRef90_X8LUA8
UniRef90_K2AVA8
UniRef90_UPI00034A0922
UniRef90_B7UGE5
UniRef90_A0A017RU45
UniRef90_R7FEX2
UniRef90_Q30W02
UniRef90_K2BMP8
UniRef90_R9AYC3
UniRef90_I7D7H5
UniRef90_E6U5J8
UniRef90_E1JU78
UniRef90_H3RED3
UniRef90_G1UQP1
UniRef90_J4W2B2
UniRef90_N1Z600
UniRef90_F0F1Q1
UniRef90_S3GCR7
UniRef90_I2J7C9
UniRef90_R7MJ08
UniRef90_Q3ME12
UniRef90_V3H232
UniRef90_N6XLQ4
UniRef90_A4JDI5
UniRef90_D5CU98
UniRef90_D3LQG2
UniRef90_L3MBW4
UniRef90_A1TR87
UniRef90_T7JJ86
UniRef90_S0ZUJ7
UniRef90_R7HWG6
UniRef90_I3EV17
UniRef90_UPI00037BE4A5
UniRef90_R9NQC2
UniRef90_A0A034E7T2
UniRef90_H3MVQ0
UniRef90_UPI000255884B

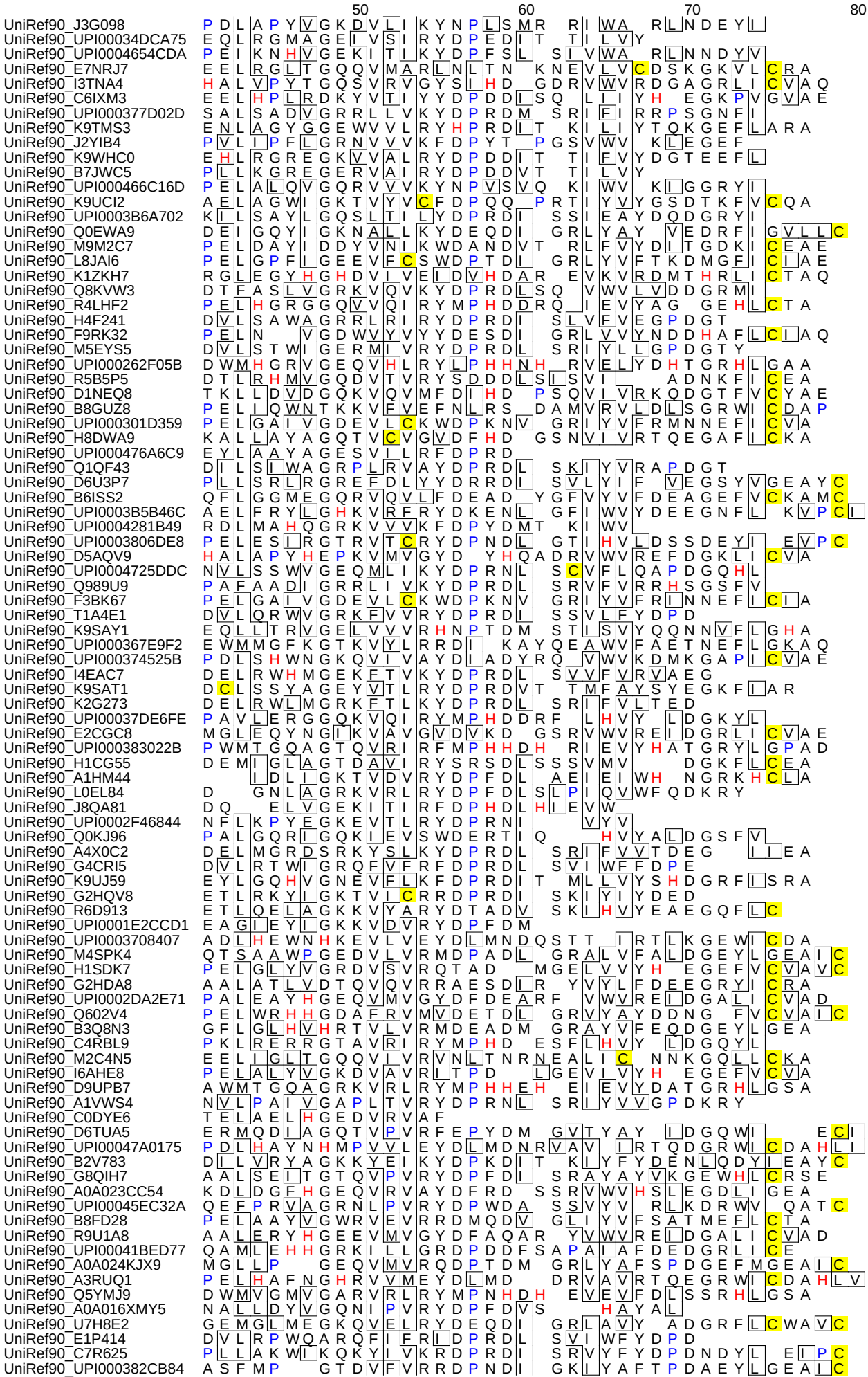
UniRef90_B0VF88
UniRef90_U3TVH3
UniRef90_UPI0003760E4C
UniRef90_W6M1A3
UniRef90_G9RTU5
UniRef90_L8M2W1
UniRef90_UPI00036D2C1D
UniRef90_X5MP33
UniRef90_H8E6K7
UniRef90_UPI00037EFE17
UniRef90_UPI0003A1E2AE
UniRef90_G9RN28
UniRef90_F3AV43
UniRef90_UPI000471E302
UniRef90_C6KV24
UniRef90_R7X0R4
UniRef90_T2G9K2
UniRef90_G5FCC8
UniRef90_A8LT45
UniRef90_E8RJF8
UniRef90_G4LEH8
UniRef90_R7MIA7
UniRef90_C0DX48
UniRef90_E5Y2J7
UniRef90_L0R7K5
UniRef90_C8VZD6
UniRef90_UPI00037FAE3C
UniRef90_J6CHB9
UniRef90_E3IM42
UniRef90_B8DLF1
UniRef90_G9RT00
UniRef90_F8A552
UniRef90_G2J495
UniRef90_B1JIP4
UniRef90_V1SLR5
UniRef90_B9Z331
UniRef90_K9Y092
UniRef90_UPI000468EE4D
UniRef90_UPI00047C91F3
UniRef90_UPI00034A7442
UniRef90_W4LFY7
UniRef90_W0BPR4
UniRef90_M5DZG3
UniRef90_C6SM65
UniRef90_B6WU75
UniRef90_E8X792
UniRef90_R7LKB7
UniRef90_S0JCC7
UniRef90_C1D6P7
UniRef90_UPI00005104FB
UniRef90_A1ARL6
UniRef90_W3MP16
UniRef90_UPI00037B44AA
UniRef90_I0AFQ9
UniRef90_F0T0P2
UniRef90_X8LUA8
UniRef90_K2AVA8
UniRef90_UPI00034A0922
UniRef90_B7UGE5
UniRef90_A0A017RU45
UniRef90_R7FEX2
UniRef90_Q30W02
UniRef90_K2BMP8
UniRef90_R9AYC3
UniRef90_I7D7H5
UniRef90_E6U5J8
UniRef90_E1JU78
UniRef90_H3RED3
UniRef90_G1UQP1
UniRef90_J4W2B2
UniRef90_N1Z600
UniRef90_F0F1Q1
UniRef90_S3GCR7
UniRef90_I2J7C9
UniRef90_R7MJ08
UniRef90_Q3ME12
UniRef90_V3H232
UniRef90_N6XLQ4
UniRef90_A4JDI5
UniRef90_D5CU98
UniRef90_D3LQG2
UniRef90_L3MBW4
UniRef90_A1TR87
UniRef90_T7JJ86
UniRef90_S0ZUJ7
UniRef90_R7HWG6
UniRef90_I3EV17
UniRef90_UPI00037BE4A5
UniRef90_R9NQC2
UniRef90_A0A034E7T2
UniRef90_H3MVQ0
UniRef90_UPI000255884B


1
10
20
30
40
UniRef90_V9QWQ8
UniRef90_U6Q1M6
UniRef90_H1XQH5
UniRef90_U2DKS5
UniRef90_B2NA09
UniRef90_K9UZK4
UniRef90_J4TVF9
UniRef90_F5RBZ5
UniRef90_R7MGV5
UniRef90_L8M1B0
UniRef90_N9YGP1
UniRef90_UPI0002484785
UniRef90_UPI00031BDE06
UniRef90_W7BB30
UniRef90_R7AIY9
UniRef90_UPI00046CEC7E
UniRef90_I3YGS5
UniRef90_R7MJ39
UniRef90_N9NGG2
UniRef90_X5ESA3
UniRef90_G9EJZ9
UniRef90_UPI00034D590E
UniRef90_K9ZC60
UniRef90_M4XGE8
UniRef90_UPI000346EB46
UniRef90_V4MTU1
UniRef90_S9TQK2
UniRef90_C7HAJ5
UniRef90_R2PI93
UniRef90_G9XCI4
UniRef90_R8S3C2
UniRef90_UPI0002F1457B
UniRef90_UPI0003693C5A
UniRef90_B7KIM6
UniRef90_Q926K2
UniRef90_U2RUJ5
UniRef90_Q2WA75
UniRef90_H6SQL8
UniRef90_T2JN02
UniRef90_N9Y5I3
UniRef90_M2Y9Q0
UniRef90_A3IT99
UniRef90_S4GJL1
UniRef90_A1RM55
UniRef90_R5HRR1
UniRef90_I0VG28
UniRef90_R5H7J6
UniRef90_K0CP61
UniRef90_A6TK98
UniRef90_R5DG16
UniRef90_C7QL35
UniRef90_S6I7B7
UniRef90_UPI0002EFB1E0
UniRef90_Q3YJ26
UniRef90_B2J811
UniRef90_UPI000363E8FB
UniRef90_UPI0003808188
UniRef90_F3YVY6
UniRef90_V9HK46
UniRef90_W0Q8S8
UniRef90_G9ZDL2
UniRef90_F6DTI1
UniRef90_S5E2Z2
UniRef90_C4GJU9
UniRef90_UPI00046ED5B9
UniRef90_Q1QFV5
UniRef90_A0A011U607
UniRef90_UPI00046471F0
UniRef90_UPI000368E103
UniRef90_W8IA56
UniRef90_H3ZII1
UniRef90_I3DM10
UniRef90_K9WKZ8
UniRef90_F0SX54
UniRef90_UPI0004706B01
UniRef90_M5PWA2
UniRef90_D4KJB2
UniRef90_UPI0003193247
UniRef90_A3U3C8
UniRef90_Q125Z1
UniRef90_G7QD55
UniRef90_R2TFV4
UniRef90_UPI0003F69F6C
UniRef90_K9QIM4
UniRef90_Q3MDH0
UniRef90_K2JV73
UniRef90_L2EEB9
UniRef90_C5AKW4
UniRef90_UPI00036F647D
UniRef90_Q3MB30
UniRef90_E0UM53
UniRef90_UPI0003779E9C

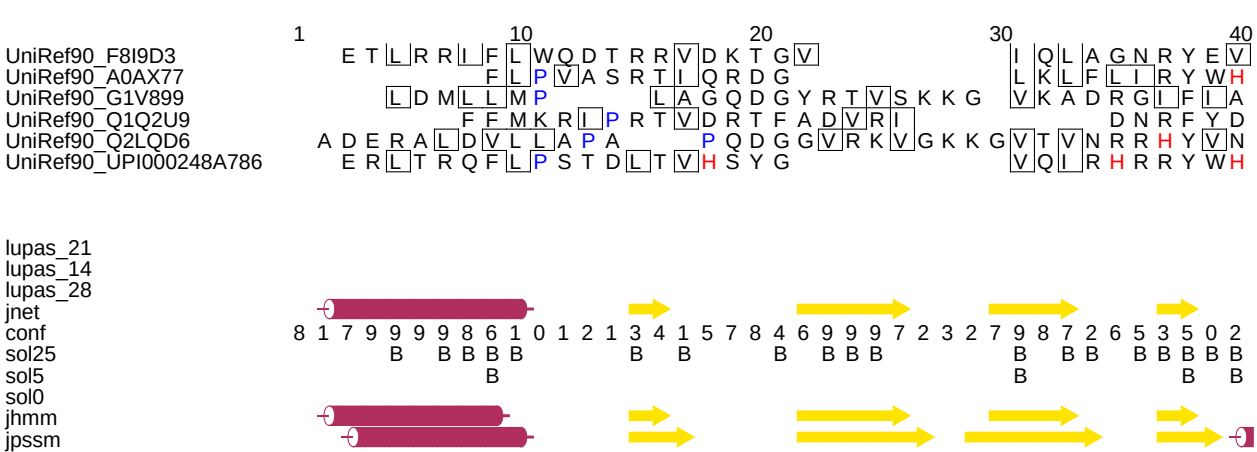

50
60
70
80
UniRef90_V9QWQ8
UniRef90_U6Q1M6
UniRef90_H1XQH5
UniRef90_U2DKS5
UniRef90_B2NA09
UniRef90_K9UZK4
UniRef90_J4TVF9
UniRef90_F5RBZ5
UniRef90_R7MGV5
UniRef90_L8M1B0
UniRef90_N9YGP1
UniRef90_UPI0002484785
UniRef90_UPI00031BDE06
UniRef90_W7BB30
UniRef90_R7AIY9
UniRef90_UPI00046CEC7E
UniRef90_I3YGS5
UniRef90_R7MJ39
UniRef90_N9NGG2
UniRef90_X5ESA3
UniRef90_G9EJZ9
UniRef90_UPI00034D590E
UniRef90_K9ZC60
UniRef90_M4XGE8
UniRef90_UPI000346EB46
UniRef90_V4MTU1
UniRef90_S9TQK2
UniRef90_C7HAJ5
UniRef90_R2PI93
UniRef90_G9XCI4
UniRef90_R8S3C2
UniRef90_UPI0002F1457B
UniRef90_UPI0003693C5A
UniRef90_B7KIM6
UniRef90_Q926K2
UniRef90_U2RUJ5
UniRef90_Q2WA75
UniRef90_H6SQL8
UniRef90_T2JN02
UniRef90_N9Y5I3
UniRef90_M2Y9Q0
UniRef90_A3IT99
UniRef90_S4GJL1
UniRef90_A1RM55
UniRef90_R5HRR1
UniRef90_I0VG28
UniRef90_R5H7J6
UniRef90_K0CP61
UniRef90_A6TK98
UniRef90_R5DG16
UniRef90_C7QL35
UniRef90_S6I7B7
UniRef90_UPI0002EFB1E0
UniRef90_Q3YJ26
UniRef90_B2J811
UniRef90_UPI000363E8FB
UniRef90_UPI0003808188
UniRef90_F3YVY6
UniRef90_V9HK46
UniRef90_W0Q8S8
UniRef90_G9ZDL2
UniRef90_F6DTI1
UniRef90_S5E2Z2
UniRef90_C4GJU9
UniRef90_UPI00046ED5B9
UniRef90_Q1QFV5
UniRef90_A0A011U607
UniRef90_UPI00046471F0
UniRef90_UPI000368E103
UniRef90_W8IA56
UniRef90_H3ZII1
UniRef90_I3DM10
UniRef90_K9WKZ8
UniRef90_F0SX54
UniRef90_UPI0004706B01
UniRef90_M5PWA2
UniRef90_D4KJB2
UniRef90_UPI0003193247
UniRef90_A3U3C8
UniRef90_Q125Z1
UniRef90_G7QD55
UniRef90_R2TFV4
UniRef90_UPI0003F69F6C
UniRef90_K9QIM4
UniRef90_Q3MDH0
UniRef90_K2JV73
UniRef90_L2EEB9
UniRef90_C5AKW4
UniRef90_UPI00036F647D
UniRef90_Q3MB30
UniRef90_E0UM53
UniRef90_UPI0003779E9C

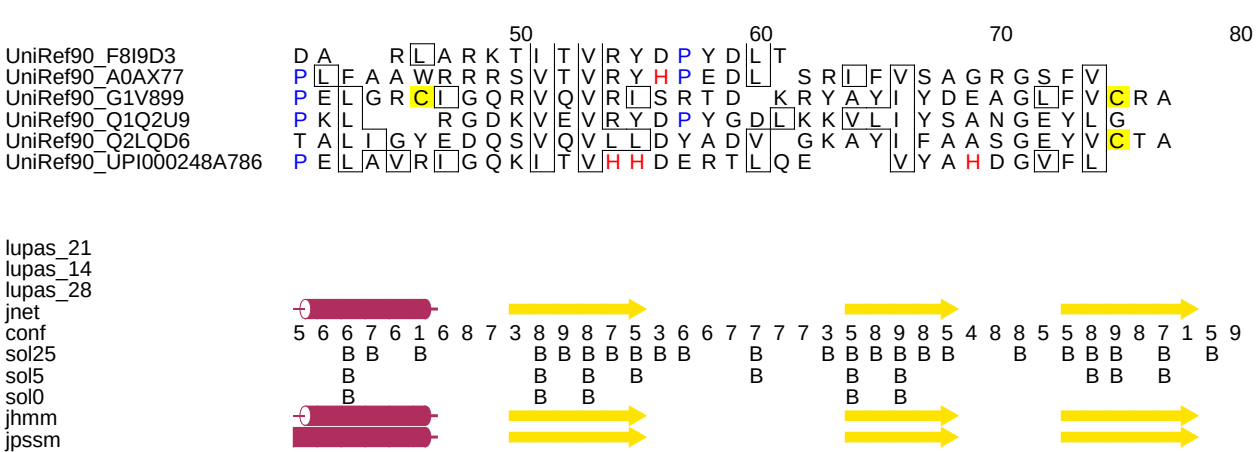
UniRef90_V9QWQ8
UniRef90_U6Q1M6
UniRef90_H1XQH5
UniRef90_U2DKS5
UniRef90_B2NA09
UniRef90_K9UZK4
UniRef90_J4TVF9
UniRef90_F5RBZ5
UniRef90_R7MGV5
UniRef90_L8M1B0
UniRef90_N9YGP1
UniRef90_UPI0002484785
UniRef90_UPI00031BDE06
UniRef90_W7BB30
UniRef90_R7AIY9
UniRef90_UPI00046CEC7E
UniRef90_I3YGS5
UniRef90_R7MJ39
UniRef90_N9NGG2
UniRef90_X5ESA3
UniRef90_G9EJZ9
UniRef90_UPI00034D590E
UniRef90_K9ZC60
UniRef90_M4XGE8
UniRef90_UPI000346EB46
UniRef90_V4MTU1
UniRef90_S9TQK2
UniRef90_C7HAJ5
UniRef90_R2PI93
UniRef90_G9XCI4
UniRef90_R8S3C2
UniRef90_UPI0002F1457B
UniRef90_UPI0003693C5A
UniRef90_B7KIM6
UniRef90_Q926K2
UniRef90_U2RUJ5
UniRef90_Q2WA75
UniRef90_H6SQL8
UniRef90_T2JN02
UniRef90_N9Y5I3
UniRef90_M2Y9Q0
UniRef90_A3IT99
UniRef90_S4GJL1
UniRef90_A1RM55
UniRef90_R5HRR1
UniRef90_I0VG28
UniRef90_R5H7J6
UniRef90_K0CP61
UniRef90_A6TK98
UniRef90_R5DG16
UniRef90_C7QL35
UniRef90_S6I7B7
UniRef90_UPI0002EFB1E0
UniRef90_Q3YJ26
UniRef90_B2J811
UniRef90_UPI000363E8FB
UniRef90_UPI0003808188
UniRef90_F3YVY6
UniRef90_V9HK46
UniRef90_W0Q8S8
UniRef90_G9ZDL2
UniRef90_F6DTI1
UniRef90_S5E2Z2
UniRef90_C4GJU9
UniRef90_UPI00046ED5B9
UniRef90_Q1QFV5
UniRef90_A0A011U607
UniRef90_UPI00046471F0
UniRef90_UPI000368E103
UniRef90_W8IA56
UniRef90_H3ZII1
UniRef90_I3DM10
UniRef90_K9WKZ8
UniRef90_F0SX54
UniRef90_UPI0004706B01
UniRef90_M5PWA2
UniRef90_D4KJB2
UniRef90_UPI0003193247
UniRef90_A3U3C8
UniRef90_Q125Z1
UniRef90_G7QD55
UniRef90_R2TFV4
UniRef90_UPI0003F69F6C
UniRef90_K9QIM4
UniRef90_Q3MDH0
UniRef90_K2JV73
UniRef90_L2EEB9
UniRef90_C5AKW4
UniRef90_UPI00036F647D
UniRef90_Q3MB30
UniRef90_E0UM53
UniRef90_UPI0003779E9C


1
10
20
30
40
UniRef90_J3G098
UniRef90_UPI00034DCA75
UniRef90_UPI0004654CDA
UniRef90_E7NRJ7
UniRef90_I3TNA4
UniRef90_C6IXM3
UniRef90_UPI000377D02D
UniRef90_K9TMS3
UniRef90_J2YIB4
UniRef90_K9WHC0
UniRef90_B7JWC5
UniRef90_UPI000466C16D
UniRef90_K9UCI2
UniRef90_UPI0003B6A702
UniRef90_Q0EWA9
UniRef90_M9M2C7
UniRef90_L8JAI6
UniRef90_K1ZKH7
UniRef90_Q8KVW3
UniRef90_R4LHF2
UniRef90_H4F241
UniRef90_F9RK32
UniRef90_M5EYS5
UniRef90_UPI000262F05B
UniRef90_R5B5P5
UniRef90_D1NEQ8
UniRef90_B8GUZ8
UniRef90_UPI000301D359
UniRef90_H8DWA9
UniRef90_UPI000476A6C9
UniRef90_Q1QF43
UniRef90_D6U3P7
UniRef90_B6ISS2
UniRef90_UPI0003B5B46C
UniRef90_UPI0004281B49
UniRef90_UPI0003806DE8
UniRef90_D5AQV9
UniRef90_UPI0004725DDC
UniRef90_Q989U9
UniRef90_F3BK67
UniRef90_T1A4E1
UniRef90_K9SAY1
UniRef90_UPI000367E9F2
UniRef90_UPI000374525B
UniRef90_I4EAC7
UniRef90_K9SAT1
UniRef90_K2G273
UniRef90_UPI00037DE6FE
UniRef90_E2CGC8
UniRef90_UPI000383022B
UniRef90_H1CG55
UniRef90_A1HM44
UniRef90_L0EL84
UniRef90_J8QA81
UniRef90_UPI0002F46844
UniRef90_Q0KJ96
UniRef90_A4X0C2
UniRef90_G4CRI5
UniRef90_K9UJ59
UniRef90_G2HQV8
UniRef90_R6D913
UniRef90_UPI0001E2CCD1
UniRef90_UPI0003708407
UniRef90_M4SPK4
UniRef90_H1SDK7
UniRef90_G2HDA8
UniRef90_UPI0002DA2E71
UniRef90_Q602V4
UniRef90_B3Q8N3
UniRef90_C4RBL9
UniRef90_M2C4N5
UniRef90_I6AHE8
UniRef90_D9UPB7
UniRef90_A1VWS4
UniRef90_C0DYE6
UniRef90_D6TUA5
UniRef90_UPI00047A0175
UniRef90_B2V783
UniRef90_G8QIH7
UniRef90_A0A023CC54
UniRef90_UPI00045EC32A
UniRef90_B8FD28
UniRef90_R9U1A8
UniRef90_UPI00041BED77
UniRef90_A0A024KJX9
UniRef90_A3RUQ1
UniRef90_Q5YMJ9
UniRef90_A0A016XMY5
UniRef90_U7H8E2
UniRef90_E1P414
UniRef90_C7R625
UniRef90_UPI000382CB84


50
60
70
80
UniRef90_J3G098
UniRef90_UPI00034DCA75
UniRef90_UPI0004654CDA
UniRef90_E7NRJ7
UniRef90_I3TNA4
UniRef90_C6IXM3
UniRef90_UPI000377D02D
UniRef90_K9TMS3
UniRef90_J2YIB4
UniRef90_K9WHC0
UniRef90_B7JWC5
UniRef90_UPI000466C16D
UniRef90_K9UCI2
UniRef90_UPI0003B6A702
UniRef90_Q0EWA9
UniRef90_M9M2C7
UniRef90_L8JAI6
UniRef90_K1ZKH7
UniRef90_Q8KVW3
UniRef90_R4LHF2
UniRef90_H4F241
UniRef90_F9RK32
UniRef90_M5EYS5
UniRef90_UPI000262F05B
UniRef90_R5B5P5
UniRef90_D1NEQ8
UniRef90_B8GUZ8
UniRef90_UPI000301D359
UniRef90_H8DWA9
UniRef90_UPI000476A6C9
UniRef90_Q1QF43
UniRef90_D6U3P7
UniRef90_B6ISS2
UniRef90_UPI0003B5B46C
UniRef90_UPI0004281B49
UniRef90_UPI0003806DE8
UniRef90_D5AQV9
UniRef90_UPI0004725DDC
UniRef90_Q989U9
UniRef90_F3BK67
UniRef90_T1A4E1
UniRef90_K9SAY1
UniRef90_UPI000367E9F2
UniRef90_UPI000374525B
UniRef90_I4EAC7
UniRef90_K9SAT1
UniRef90_K2G273
UniRef90_UPI00037DE6FE
UniRef90_E2CGC8
UniRef90_UPI000383022B
UniRef90_H1CG55
UniRef90_A1HM44
UniRef90_L0EL84
UniRef90_J8QA81
UniRef90_UPI0002F46844
UniRef90_Q0KJ96
UniRef90_A4X0C2
UniRef90_G4CRI5
UniRef90_K9UJ59
UniRef90_G2HQV8
UniRef90_R6D913
UniRef90_UPI0001E2CCD1
UniRef90_UPI0003708407
UniRef90_M4SPK4
UniRef90_H1SDK7
UniRef90_G2HDA8
UniRef90_UPI0002DA2E71
UniRef90_Q602V4
UniRef90_B3Q8N3
UniRef90_C4RBL9
UniRef90_M2C4N5
UniRef90_I6AHE8
UniRef90_D9UPB7
UniRef90_A1VWS4
UniRef90_C0DYE6
UniRef90_D6TUA5
UniRef90_UPI00047A0175
UniRef90_B2V783
UniRef90_G8QIH7
UniRef90_A0A023CC54
UniRef90_UPI00045EC32A
UniRef90_B8FD28
UniRef90_R9U1A8
UniRef90_UPI00041BED77
UniRef90_A0A024KJX9
UniRef90_A3RUQ1
UniRef90_Q5YMJ9
UniRef90_A0A016XMY5
UniRef90_U7H8E2
UniRef90_E1P414
UniRef90_C7R625
UniRef90_UPI000382CB84

UniRef90_J3G098
UniRef90_UPI00034DCA75
UniRef90_UPI0004654CDA
UniRef90_E7NRJ7
UniRef90_I3TNA4
UniRef90_C6IXM3
UniRef90_UPI000377D02D
UniRef90_K9TMS3
UniRef90_J2YIB4
UniRef90_K9WHC0
UniRef90_B7JWC5
UniRef90_UPI000466C16D
UniRef90_K9UCI2
UniRef90_UPI0003B6A702
UniRef90_Q0EWA9
UniRef90_M9M2C7
UniRef90_L8JAI6
UniRef90_K1ZKH7
UniRef90_Q8KVW3
UniRef90_R4LHF2
UniRef90_H4F241
UniRef90_F9RK32
UniRef90_M5EYS5
UniRef90_UPI000262F05B
UniRef90_R5B5P5
UniRef90_D1NEQ8
UniRef90_B8GUZ8
UniRef90_UPI000301D359
UniRef90_H8DWA9
UniRef90_UPI000476A6C9
UniRef90_Q1QF43
UniRef90_D6U3P7
UniRef90_B6ISS2
UniRef90_UPI0003B5B46C
UniRef90_UPI0004281B49
UniRef90_UPI0003806DE8
UniRef90_D5AQV9
UniRef90_UPI0004725DDC
UniRef90_Q989U9
UniRef90_F3BK67
UniRef90_T1A4E1
UniRef90_K9SAY1
UniRef90_UPI000367E9F2
UniRef90_UPI000374525B
UniRef90_I4EAC7
UniRef90_K9SAT1
UniRef90_K2G273
UniRef90_UPI00037DE6FE
UniRef90_E2CGC8
UniRef90_UPI000383022B
UniRef90_H1CG55
UniRef90_A1HM44
UniRef90_L0EL84
UniRef90_J8QA81
UniRef90_UPI0002F46844
UniRef90_Q0KJ96
UniRef90_A4X0C2
UniRef90_G4CRI5
UniRef90_K9UJ59
UniRef90_G2HQV8
UniRef90_R6D913
UniRef90_UPI0001E2CCD1
UniRef90_UPI0003708407
UniRef90_M4SPK4
UniRef90_H1SDK7
UniRef90_G2HDA8
UniRef90_UPI0002DA2E71
UniRef90_Q602V4
UniRef90_B3Q8N3
UniRef90_C4RBL9
UniRef90_M2C4N5
UniRef90_I6AHE8
UniRef90_D9UPB7
UniRef90_A1VWS4
UniRef90_C0DYE6
UniRef90_D6TUA5
UniRef90_UPI00047A0175
UniRef90_B2V783
UniRef90_G8QIH7
UniRef90_A0A023CC54
UniRef90_UPI00045EC32A
UniRef90_B8FD28
UniRef90_R9U1A8
UniRef90_UPI00041BED77
UniRef90_A0A024KJX9
UniRef90_A3RUQ1
UniRef90_Q5YMJ9
UniRef90_A0A016XMY5
UniRef90_U7H8E2
UniRef90_E1P414
UniRef90_C7R625
UniRef90_UPI000382CB84


1 10 20 30 40
UniRef90_F8I9D3 E T L R R I F L W Q D T R R V D K T G V I Q L A G N R Y E V
UniRef90_A0AX77 F L P V A S R T I Q R D G L K L F L I R Y W H
UniRef90_G1V899 L D M L L M P L A G Q D G Y R T V S K K G V K A D R G I F I A
UniRef90_Q1Q2U9 F F M K R I P R T V D R T F A D V R I D N R F Y D
UniRef90_Q2LQD6 A D E R A L D V L L A P A P Q D G G V R K V G K K G V T V N R R H Y V N
UniRef90_UPI000248A786 E R L T R Q F L P S T D L T V H S Y G V Q I R H R R Y W H
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm
8 1 7 9 9 9 9 8 6 1 0 1 2 1 3 4 1 5 7 8 4 6 9 9 9 7 2 3 2 7 9 8 7 2 6 5 3 5 0 2
B B B


50
60
70
80
UniRef90_F8I9D3
UniRef90_A0AX77
UniRef90_G1V899
UniRef90_Q1Q2U9
UniRef90_Q2LQD6
UniRef90_UPI000248A786
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm

UniRef90_F8I9D3
UniRef90_A0AX77
UniRef90_G1V899
UniRef90_Q1Q2U9
UniRef90_Q2LQD6
UniRef90_UPI000248A786

lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm