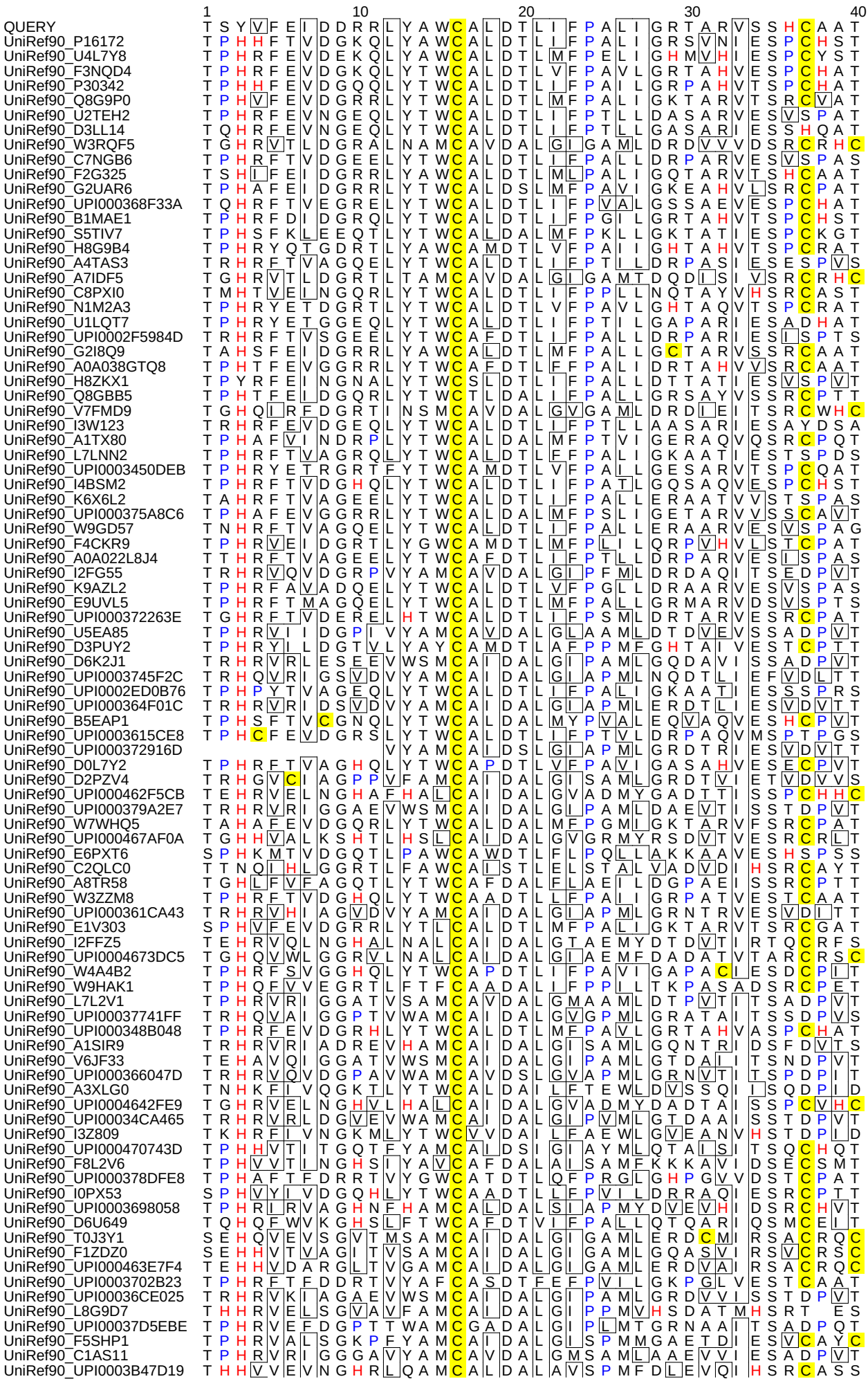
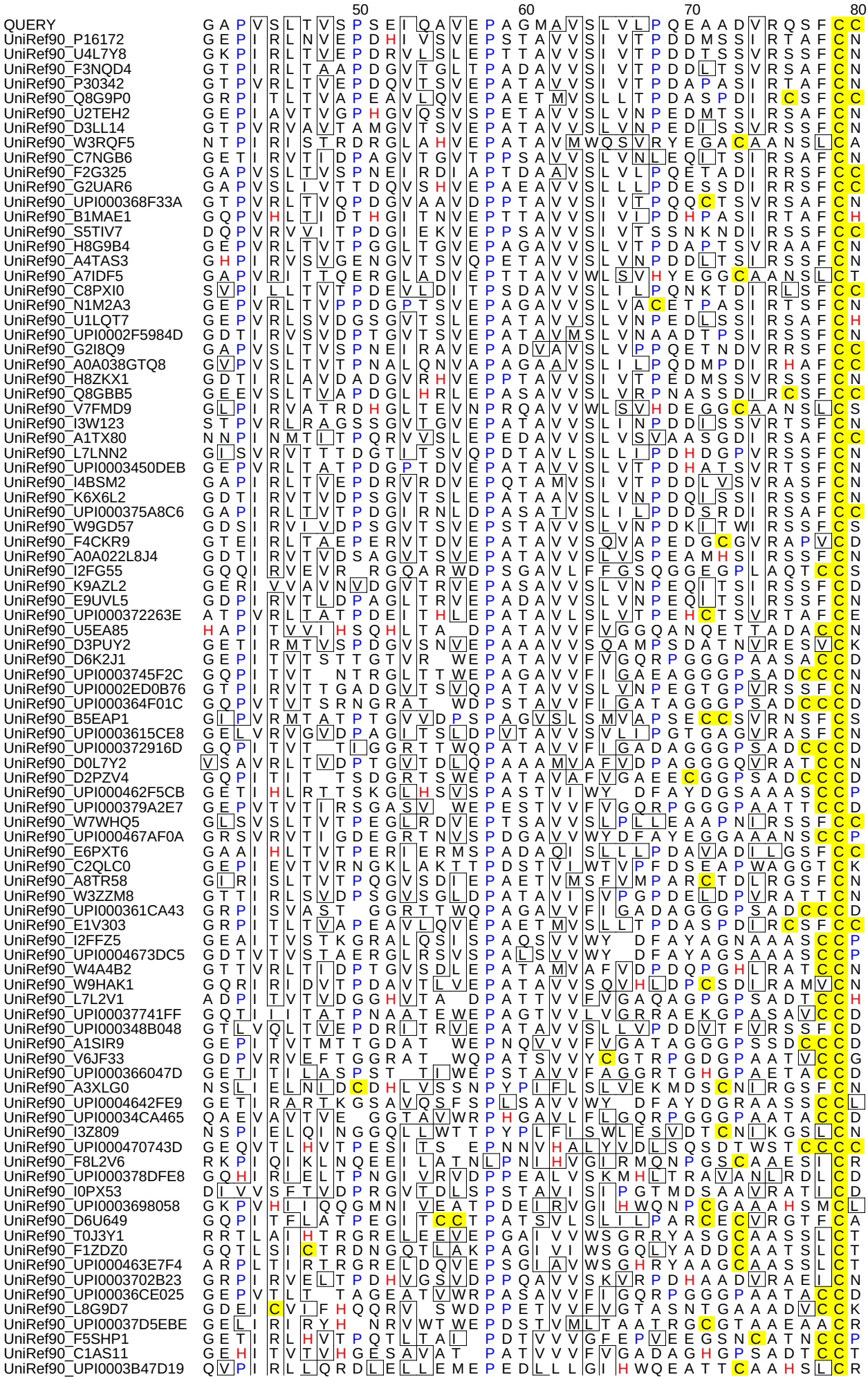
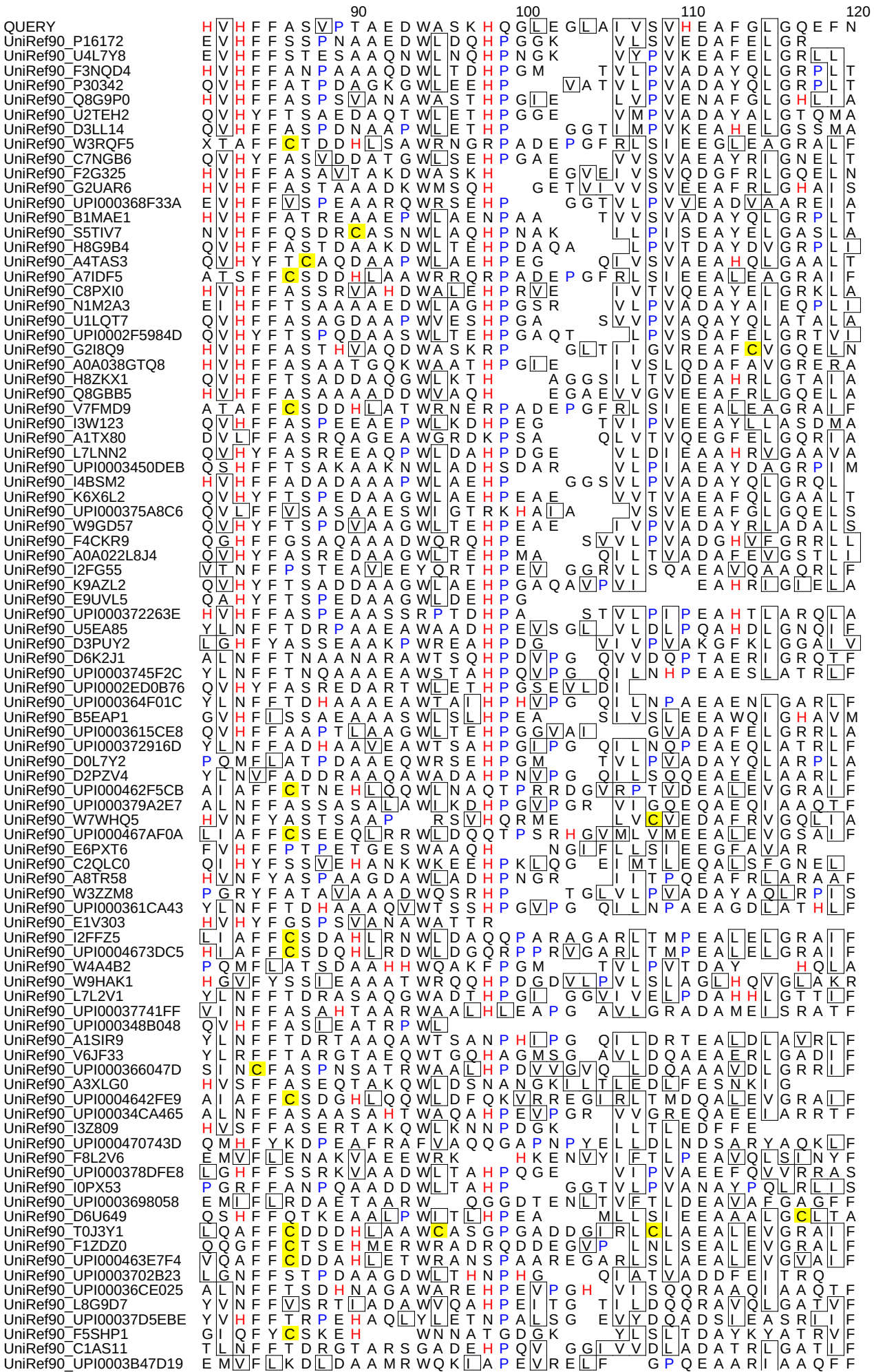
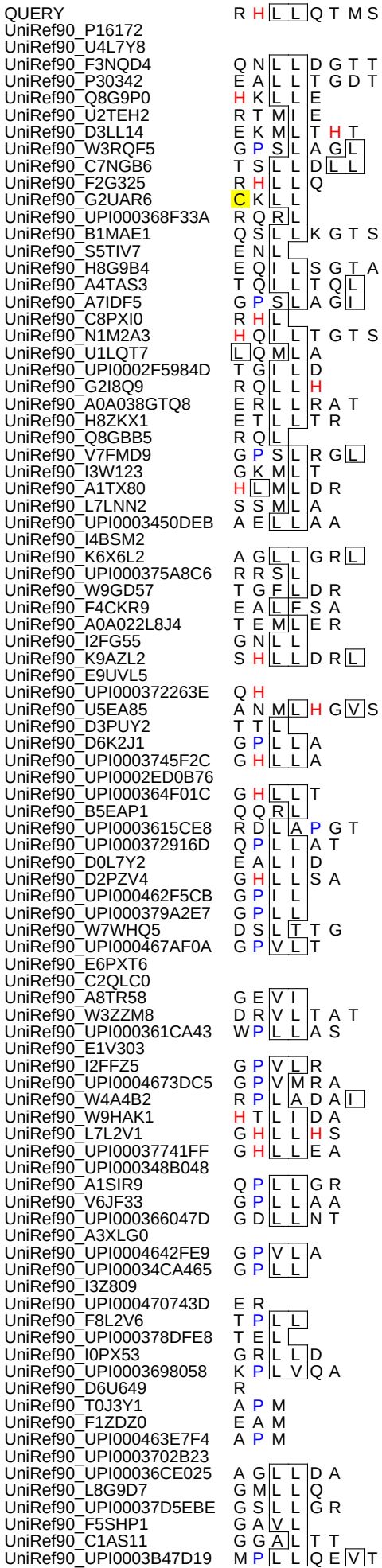
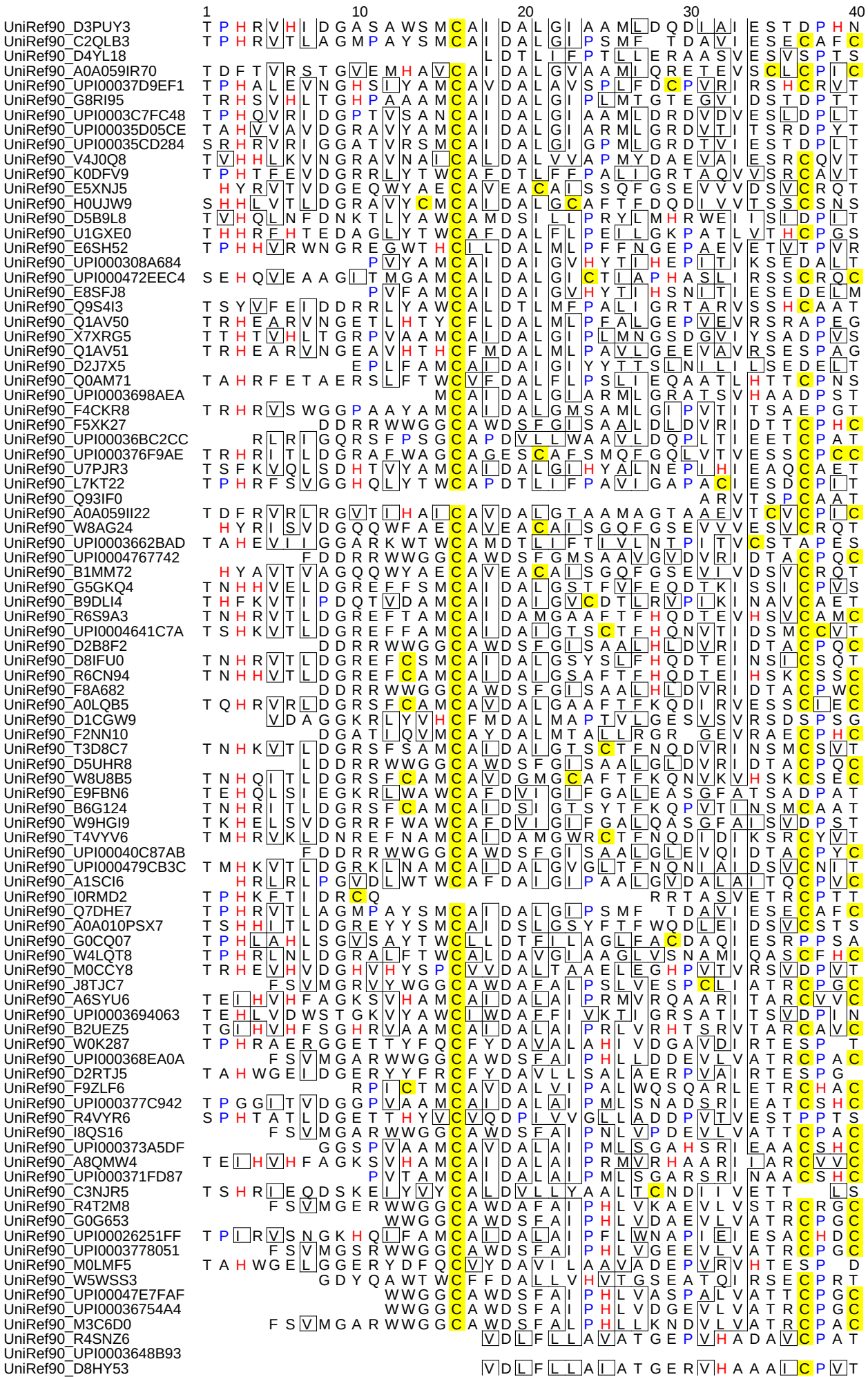
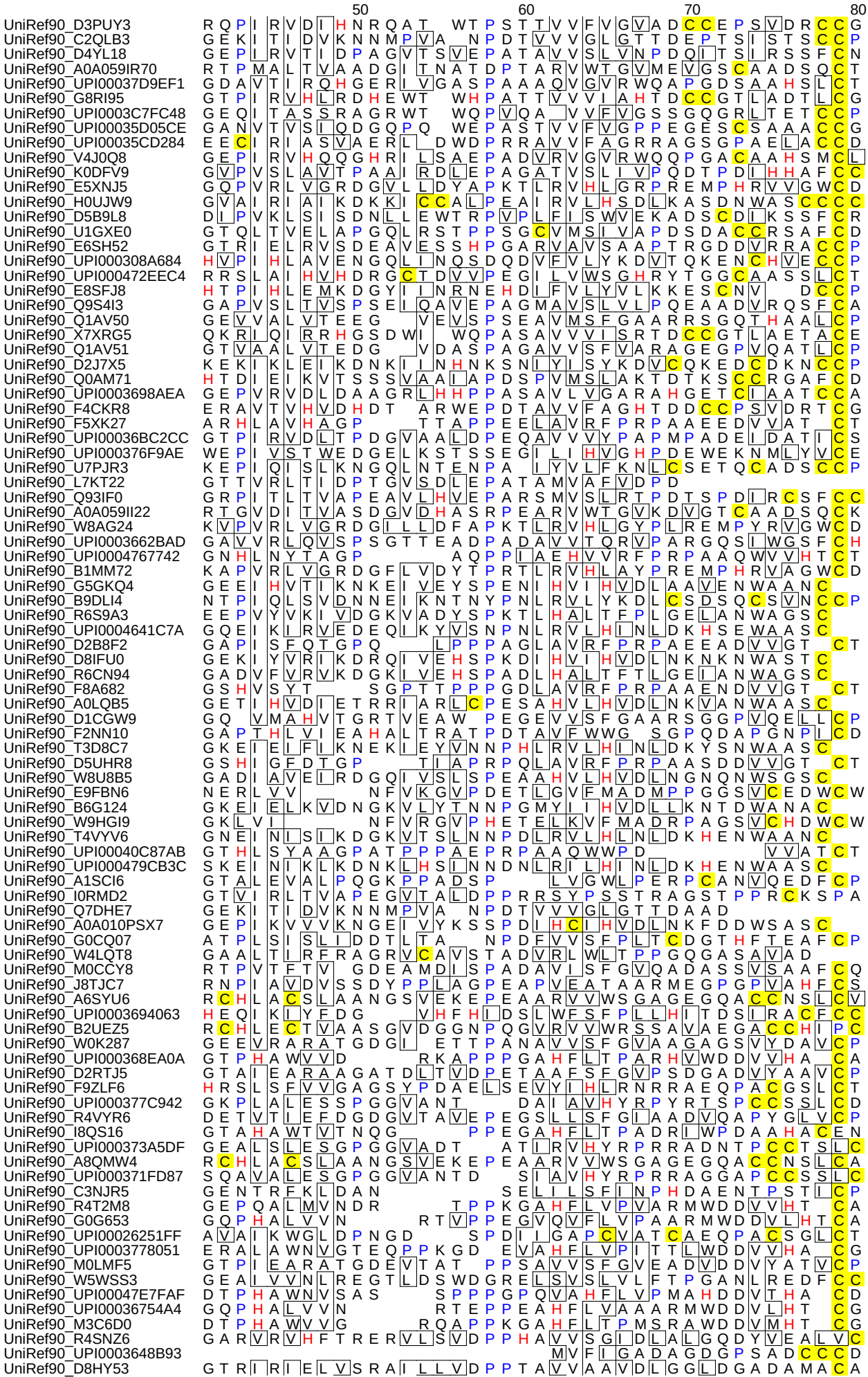

1
10
20
30
40
QUERY
UniRef90_P16172
UniRef90_U4L7Y8
UniRef90_F3NQD4
UniRef90_P30342
UniRef90_Q8G9P0
UniRef90_U2TEH2
UniRef90_D3LL14
UniRef90_W3RQF5
UniRef90_C7NGB6
UniRef90_F2G325
UniRef90_G2UAR6
UniRef90_UPI000368F33A
UniRef90_B1MAE1
UniRef90_S5TIV7
UniRef90_H8G9B4
UniRef90_A4TAS3
UniRef90_A7IDF5
UniRef90_C8PXI0
UniRef90_N1M2A3
UniRef90_U1LQT7
UniRef90_UPI0002F5984D
UniRef90_G2I8Q9
UniRef90_A0A038GTQ8
UniRef90_H8ZKX1
UniRef90_Q8GBB5
UniRef90_V7FMD9
UniRef90_I3W123
UniRef90_A1TX80
UniRef90_L7LNN2
UniRef90_UPI0003450DEB
UniRef90_I4BSM2
UniRef90_K6X6L2
UniRef90_UPI000375A8C6
UniRef90_W9GD57
UniRef90_F4CKR9
UniRef90_A0A022L8J4
UniRef90_I2FG55
UniRef90_K9AZL2
UniRef90_E9UVL5
UniRef90_UPI000372263E
UniRef90_U5EA85
UniRef90_D3PUY2
UniRef90_D6K2J1
UniRef90_UPI0003745F2C
UniRef90_UPI0002ED0B76
UniRef90_UPI000364F01C
UniRef90_B5EAP1
UniRef90_UPI0003615CE8
UniRef90_UPI000372916D
UniRef90_D0L7Y2
UniRef90_D2PZV4
UniRef90_UPI000462F5CB
UniRef90_UPI000379A2E7
UniRef90_W7WHQ5
UniRef90_UPI000467AF0A
UniRef90_E6PXT6
UniRef90_C2QLC0
UniRef90_A8TR58
UniRef90_W3ZZM8
UniRef90_UPI000361CA43
UniRef90_E1V303
UniRef90_I2FFZ5
UniRef90_UPI0004673DC5
UniRef90_W4A4B2
UniRef90_W9HAK1
UniRef90_L7L2V1
UniRef90_UPI00037741FF
UniRef90_UPI000348B048
UniRef90_A1SIR9
UniRef90_V6JF33
UniRef90_UPI000366047D
UniRef90_A3XLG0
UniRef90_UPI0004642FE9
UniRef90_UPI00034CA465
UniRef90_I3Z809
UniRef90_UPI000470743D
UniRef90_F8L2V6
UniRef90_UPI000378DFE8
UniRef90_I0PX53
UniRef90_UPI0003698058
UniRef90_D6U649
UniRef90_T0J3Y1
UniRef90_F1ZDZ0
UniRef90_UPI000463E7F4
UniRef90_UPI0003702B23
UniRef90_UPI00036CE025
UniRef90_L8G9D7
UniRef90_UPI00037D5EBE
UniRef90_F5SHP1
UniRef90_C1AS11
UniRef90_UPI0003B47D19

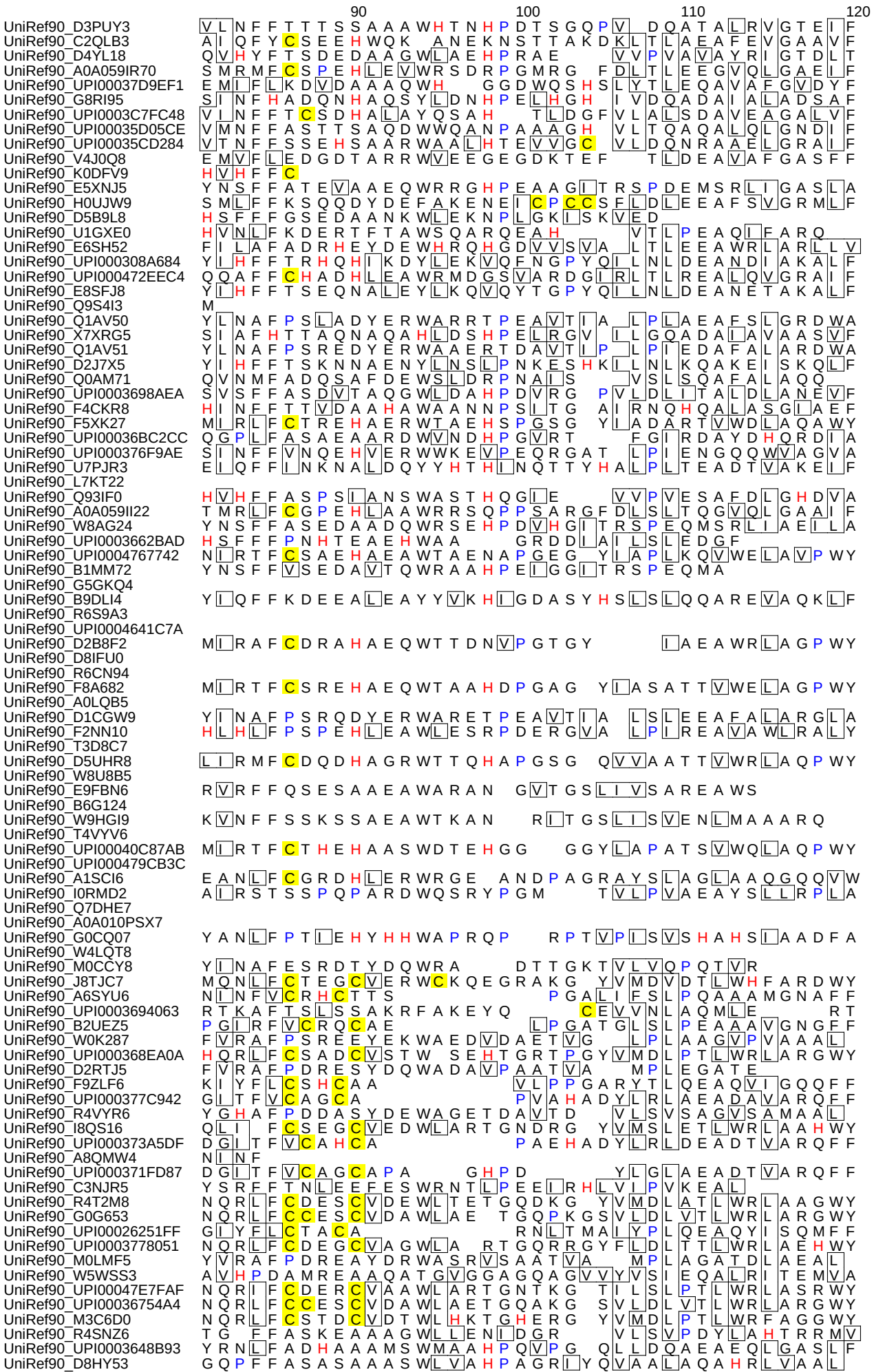

50
60
70
80
QUERY
UniRef90_P16172
UniRef90_U4L7Y8
UniRef90_F3NQD4
UniRef90_P30342
UniRef90_Q8G9P0
UniRef90_U2TEH2
UniRef90_D3LL14
UniRef90_W3RQF5
UniRef90_C7NGB6
UniRef90_F2G325
UniRef90_G2UAR6
UniRef90_UPI000368F33A
UniRef90_B1MAE1
UniRef90_S5TIV7
UniRef90_H8G9B4
UniRef90_A4TAS3
UniRef90_A7IDF5
UniRef90_C8PXI0
UniRef90_N1M2A3
UniRef90_U1LQT7
UniRef90_UPI0002F5984D
UniRef90_G2I8Q9
UniRef90_A0A038GTQ8
UniRef90_H8ZKX1
UniRef90_Q8GBB5
UniRef90_V7FMD9
UniRef90_I3W123
UniRef90_A1TX80
UniRef90_L7LNN2
UniRef90_UPI0003450DEB
UniRef90_I4BSM2
UniRef90_K6X6L2
UniRef90_UPI000375A8C6
UniRef90_W9GD57
UniRef90_F4CKR9
UniRef90_A0A022L8J4
UniRef90_I2FG55
UniRef90_K9AZL2
UniRef90_E9UVL5
UniRef90_UPI000372263E
UniRef90_U5EA85
UniRef90_D3PUY2
UniRef90_D6K2J1
UniRef90_UPI0003745F2C
UniRef90_UPI0002ED0B76
UniRef90_UPI000364F01C
UniRef90_B5EAP1
UniRef90_UPI0003615CE8
UniRef90_UPI000372916D
UniRef90_D0L7Y2
UniRef90_D2PZV4
UniRef90_UPI000462F5CB
UniRef90_UPI000379A2E7
UniRef90_W7WHQ5
UniRef90_UPI000467AF0A
UniRef90_E6PXT6
UniRef90_C2QLC0
UniRef90_A8TR58
UniRef90_W3ZZM8
UniRef90_UPI000361CA43
UniRef90_E1V303
UniRef90_I2FFZ5
UniRef90_UPI0004673DC5
UniRef90_W4A4B2
UniRef90_W9HAK1
UniRef90_L7L2V1
UniRef90_UPI00037741FF
UniRef90_UPI000348B048
UniRef90_A1SIR9
UniRef90_V6JF33
UniRef90_UPI000366047D
UniRef90_A3XLG0
UniRef90_UPI0004642FE9
UniRef90_UPI00034CA465
UniRef90_I3Z809
UniRef90_UPI000470743D
UniRef90_F8L2V6
UniRef90_UPI000378DFE8
UniRef90_I0PX53
UniRef90_UPI0003698058
UniRef90_D6U649
UniRef90_T0J3Y1
UniRef90_F1ZDZ0
UniRef90_UPI000463E7F4
UniRef90_UPI0003702B23
UniRef90_UPI00036CE025
UniRef90_L8G9D7
UniRef90_UPI00037D5EBE
UniRef90_F5SHP1
UniRef90_C1AS11
UniRef90_UPI0003B47D19


90
100
110
120
QUERY
UniRef90_P16172
UniRef90_U4L7Y8
UniRef90_F3NQD4
UniRef90_P30342
UniRef90_Q8G9P0
UniRef90_U2TEH2
UniRef90_D3LL14
UniRef90_W3RQF5
UniRef90_C7NGB6
UniRef90_F2G325
UniRef90_G2UAR6
UniRef90_UPI000368F33A
UniRef90_B1MAE1
UniRef90_S5TIV7
UniRef90_H8G9B4
UniRef90_A4TAS3
UniRef90_A7IDF5
UniRef90_C8PXI0
UniRef90_N1M2A3
UniRef90_U1LQT7
UniRef90_UPI0002F5984D
UniRef90_G2I8Q9
UniRef90_A0A038GTQ8
UniRef90_H8ZKX1
UniRef90_Q8GBB5
UniRef90_V7FMD9
UniRef90_I3W123
UniRef90_A1TX80
UniRef90_L7LNN2
UniRef90_UPI0003450DEB
UniRef90_I4BSM2
UniRef90_K6X6L2
UniRef90_UPI000375A8C6
UniRef90_W9GD57
UniRef90_F4CKR9
UniRef90_A0A022L8J4
UniRef90_I2FG55
UniRef90_K9AZL2
UniRef90_E9UVL5
UniRef90_UPI000372263E
UniRef90_U5EA85
UniRef90_D3PUY2
UniRef90_D6K2J1
UniRef90_UPI0003745F2C
UniRef90_UPI0002ED0B76
UniRef90_UPI000364F01C
UniRef90_B5EAP1
UniRef90_UPI0003615CE8
UniRef90_UPI000372916D
UniRef90_D0L7Y2
UniRef90_D2PZV4
UniRef90_UPI000462F5CB
UniRef90_UPI000379A2E7
UniRef90_W7WHQ5
UniRef90_UPI000467AF0A
UniRef90_E6PXT6
UniRef90_C2QLC0
UniRef90_A8TR58
UniRef90_W3ZZM8
UniRef90_UPI000361CA43
UniRef90_E1V303
UniRef90_I2FFZ5
UniRef90_UPI0004673DC5
UniRef90_W4A4B2
UniRef90_W9HAK1
UniRef90_L7L2V1
UniRef90_UPI00037741FF
UniRef90_UPI000348B048
UniRef90_A1SIR9
UniRef90_V6JF33
UniRef90_UPI000366047D
UniRef90_A3XLG0
UniRef90_UPI0004642FE9
UniRef90_UPI00034CA465
UniRef90_I3Z809
UniRef90_UPI000470743D
UniRef90_F8L2V6
UniRef90_UPI000378DFE8
UniRef90_I0PX53
UniRef90_UPI0003698058
UniRef90_D6U649
UniRef90_T0J3Y1
UniRef90_F1ZDZ0
UniRef90_UPI000463E7F4
UniRef90_UPI0003702B23
UniRef90_UPI00036CE025
UniRef90_L8G9D7
UniRef90_UPI00037D5EBE
UniRef90_F5SHP1
UniRef90_C1AS11
UniRef90_UPI0003B47D19

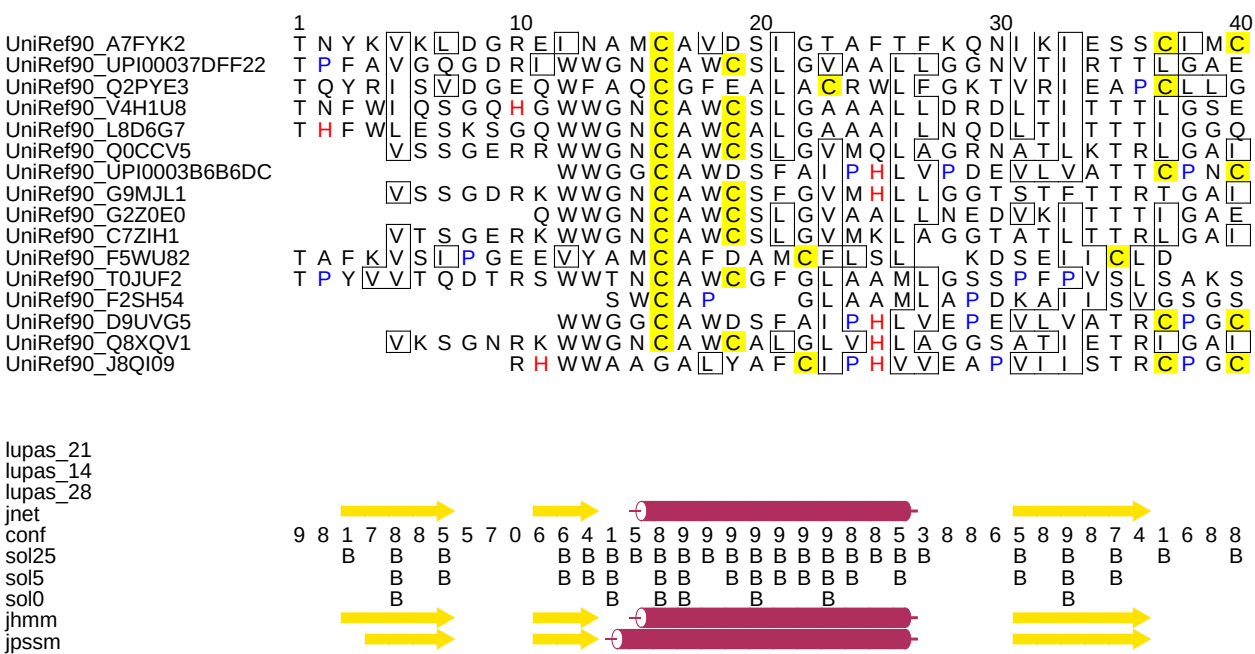

QUERY R H L L Q T M S
UniRef90_P16172
UniRef90_U4L7Y8
UniRef90_F3NQD4 Q N L L D G T T
UniRef90_P30342 E A L L T G D T
UniRef90_Q8G9P0 H K L L E
UniRef90_U2TEH2 R T M I E
UniRef90_D3LL14 E K M L T H T
UniRef90_W3RQF5 G P S L A G L
UniRef90_C7NGB6 T S L L D L L
UniRef90_F2G325 R H L L Q
UniRef90_G2UAR6 C K L L
UniRef90_UPI000368F33A R Q R L
UniRef90_B1MAE1 Q S L L K G T S
UniRef90_S5TIV7 E N L
UniRef90_H8G9B4 E Q I L S G T A
UniRef90_A4TAS3 T Q I L T Q L
UniRef90_A7IDF5 G P S L A G I
UniRef90_C8PXI0 R H L
UniRef90_N1M2A3 H Q I L T G T S
UniRef90_U1LQT7 L Q M L A
UniRef90_UPI0002F5984D T G I L D
UniRef90_G2I8Q9 R Q L L H
UniRef90_A0A038GTQ8 E R L L R A T
UniRef90_H8ZKX1 E T L L T R
UniRef90_Q8GBB5 R Q L
UniRef90_V7FMD9 G P S L R G L
UniRef90_I3W123 G K M L T
UniRef90_A1TX80 H L M L D R
UniRef90_L7LNN2 S S M L A
UniRef90_UPI0003450DEB A E L L A A
UniRef90_I4BSM2
UniRef90_K6X6L2 A G L L G R L
UniRef90_UPI000375A8C6 R R S L
UniRef90_W9GD57 T G F L D R
UniRef90_F4CKR9 E A L F S A
UniRef90_A0A022L8J4 T E M L E R
UniRef90_I2FG55 G N L L
UniRef90_K9AZL2 S H L L D R L
UniRef90_E9UVL5
UniRef90_UPI000372263E Q H
UniRef90_U5EA85 A N M L H G V S
UniRef90_D3PUY2 T T L
UniRef90_D6K2J1 G P L L A
UniRef90_UPI0003745F2C G H L L A
UniRef90_UPI0002ED0B76
UniRef90_UPI000364F01C G H L L T
UniRef90_B5EAP1 Q Q R L
UniRef90_UPI0003615CE8 R D L A P G T
UniRef90_UPI000372916D Q P L L A T
UniRef90_D0L7Y2 E A L I D
UniRef90_D2PZV4 G H L L S A
UniRef90_UPI000462F5CB G P I L
UniRef90_UPI000379A2E7 G P L L
UniRef90_W7WHQ5 D S L T T G
UniRef90_UPI000467AF0A G P V L T
UniRef90_E6PXT6
UniRef90_C2QLC0
UniRef90_A8TR58 G E V I
UniRef90_W3ZZM8 D R V L T A T
UniRef90_UPI000361CA43 W P L L A S
UniRef90_E1V303
UniRef90_I2FFZ5 G P V L R
UniRef90_UPI0004673DC5 G P V M R A
UniRef90_W4A4B2 R P L A D A I
UniRef90_W9HAK1 H T L I D A
UniRef90_L7L2V1 G H L L H S
UniRef90_UPI00037741FF G H L L E A
UniRef90_UPI000348B048
UniRef90_A1SIR9 Q P L L G R
UniRef90_V6JF33 G P L L A A
UniRef90_UPI000366047D G D L L N T
UniRef90_A3XLG0
UniRef90_UPI0004642FE9 G P V L A
UniRef90_UPI00034CA465 G P L L
UniRef90_I3Z809
UniRef90_UPI000470743D E R
UniRef90_F8L2V6 T P L L
UniRef90_UPI000378DFE8 T E L
UniRef90_I0PX53 G R L L D
UniRef90_UPI0003698058 K P L V Q A
UniRef90_D6U649 R
UniRef90_T0J3Y1 A P M
UniRef90_F1ZDZ0 E A M
UniRef90_UPI000463E7F4 A P M
UniRef90_UPI0003702B23
UniRef90_UPI00036CE025 A G L L D A
UniRef90_L8G9D7 G M L L Q
UniRef90_UPI00037D5EBE G S L L G R
UniRef90_F5SHP1 G A V L
UniRef90_C1AS11 G G A L T T
UniRef90_UPI0003B47D19 M P L L Q E V T

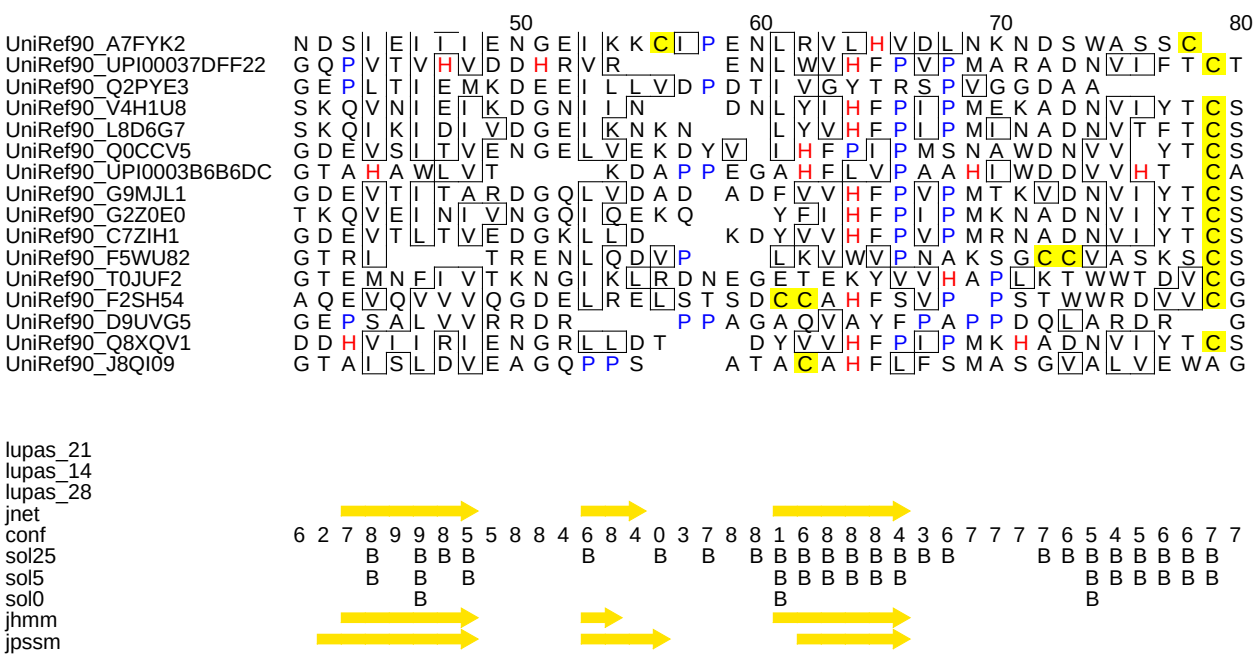

1
10
20
30
40
UniRef90_D3PUY3
UniRef90_C2QLB3
UniRef90_D4YL18
UniRef90_A0A059IR70
UniRef90_UPI00037D9EF1
UniRef90_G8RI95
UniRef90_UPI0003C7FC48
UniRef90_UPI00035D05CE
UniRef90_UPI00035CD284
UniRef90_V4J0Q8
UniRef90_K0DFV9
UniRef90_E5XNJ5
UniRef90_H0UJW9
UniRef90_D5B9L8
UniRef90_U1GXE0
UniRef90_E6SH52
UniRef90_UPI000308A684
UniRef90_UPI000472EEC4
UniRef90_E8SFJ8
UniRef90_Q9S4I3
UniRef90_Q1AV50
UniRef90_X7XRG5
UniRef90_Q1AV51
UniRef90_D2J7X5
UniRef90_Q0AM71
UniRef90_UPI0003698AEA
UniRef90_F4CKR8
UniRef90_F5XK27
UniRef90_UPI00036BC2CC
UniRef90_UPI000376F9AE
UniRef90_U7PJR3
UniRef90_L7KT22
UniRef90_Q93IF0
UniRef90_A0A059II22
UniRef90_W8AG24
UniRef90_UPI0003662BAD
UniRef90_UPI0004767742
UniRef90_B1MM72
UniRef90_G5GKQ4
UniRef90_B9DLI4
UniRef90_R6S9A3
UniRef90_UPI0004641C7A
UniRef90_D2B8F2
UniRef90_D8IFU0
UniRef90_R6CN94
UniRef90_F8A682
UniRef90_A0LQB5
UniRef90_D1CGW9
UniRef90_F2NN10
UniRef90_T3D8C7
UniRef90_D5UHR8
UniRef90_W8U8B5
UniRef90_E9FBN6
UniRef90_B6G124
UniRef90_W9HGI9
UniRef90_T4VYV6
UniRef90_UPI00040C87AB
UniRef90_UPI000479CB3C
UniRef90_A1SCI6
UniRef90_I0RMD2
UniRef90_Q7DHE7
UniRef90_A0A010PSX7
UniRef90_G0CQ07
UniRef90_W4LQT8
UniRef90_M0CCY8
UniRef90_J8TJC7
UniRef90_A6SYU6
UniRef90_UPI0003694063
UniRef90_B2UEZ5
UniRef90_W0K287
UniRef90_UPI000368EA0A
UniRef90_D2RTJ5
UniRef90_F9ZLF6
UniRef90_UPI000377C942
UniRef90_R4VYR6
UniRef90_I8QS16
UniRef90_UPI000373A5DF
UniRef90_A8QMW4
UniRef90_UPI000371FD87
UniRef90_C3NJR5
UniRef90_R4T2M8
UniRef90_G0G653
UniRef90_UPI00026251FF
UniRef90_UPI0003778051
UniRef90_M0LMF5
UniRef90_W5WSS3
UniRef90_UPI00047E7FAF
UniRef90_UPI00036754A4
UniRef90_M3C6D0
UniRef90_R4SNZ6
UniRef90_UPI0003648B93
UniRef90_D8HY53

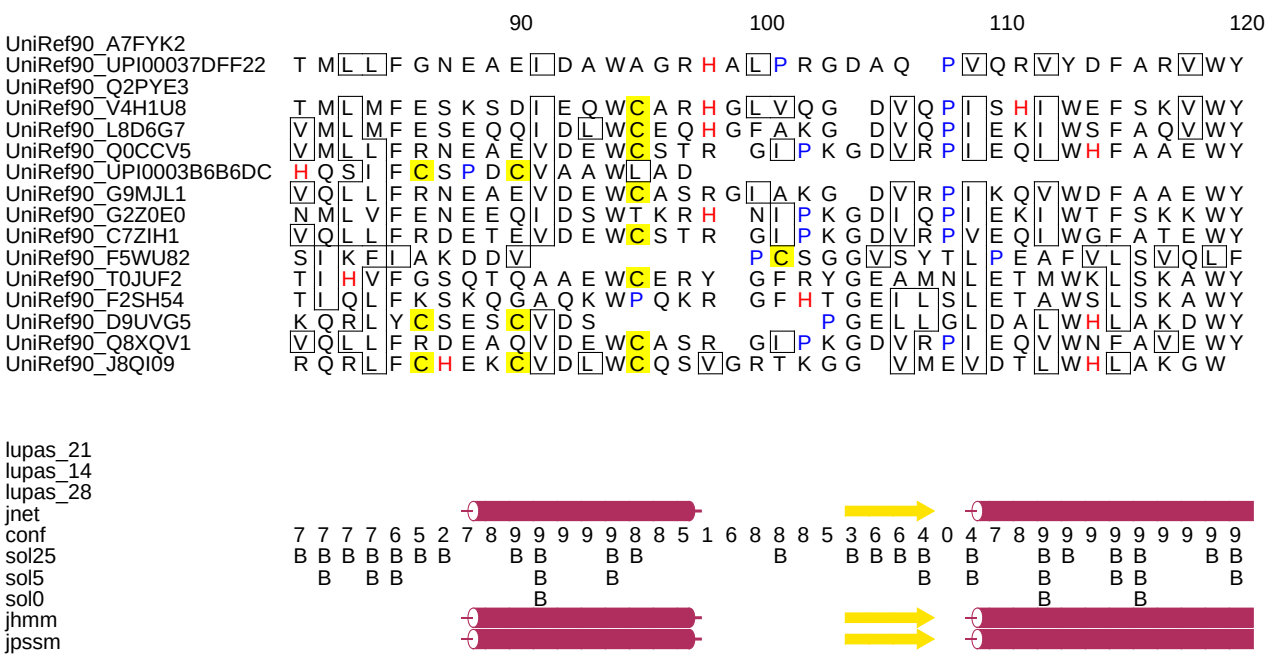

50
60
70
80
UniRef90_D3PUY3
UniRef90_C2QLB3
UniRef90_D4YL18
UniRef90_A0A059IR70
UniRef90_UPI00037D9EF1
UniRef90_G8RI95
UniRef90_UPI0003C7FC48
UniRef90_UPI00035D05CE
UniRef90_UPI00035CD284
UniRef90_V4J0Q8
UniRef90_K0DFV9
UniRef90_E5XNJ5
UniRef90_H0UJW9
UniRef90_D5B9L8
UniRef90_U1GXE0
UniRef90_E6SH52
UniRef90_UPI000308A684
UniRef90_UPI000472EEC4
UniRef90_E8SFJ8
UniRef90_Q9S4I3
UniRef90_Q1AV50
UniRef90_X7XRG5
UniRef90_Q1AV51
UniRef90_D2J7X5
UniRef90_Q0AM71
UniRef90_UPI0003698AEA
UniRef90_F4CKR8
UniRef90_F5XK27
UniRef90_UPI00036BC2CC
UniRef90_UPI000376F9AE
UniRef90_U7PJR3
UniRef90_L7KT22
UniRef90_Q93IF0
UniRef90_A0A059II22
UniRef90_W8AG24
UniRef90_UPI0003662BAD
UniRef90_UPI0004767742
UniRef90_B1MM72
UniRef90_G5GKQ4
UniRef90_B9DLI4
UniRef90_R6S9A3
UniRef90_UPI0004641C7A
UniRef90_D2B8F2
UniRef90_D8IFU0
UniRef90_R6CN94
UniRef90_F8A682
UniRef90_A0LQB5
UniRef90_D1CGW9
UniRef90_F2NN10
UniRef90_T3D8C7
UniRef90_D5UHR8
UniRef90_W8U8B5
UniRef90_E9FBN6
UniRef90_B6G124
UniRef90_W9HGI9
UniRef90_T4VYV6
UniRef90_UPI00040C87AB
UniRef90_UPI000479CB3C
UniRef90_A1SCI6
UniRef90_I0RMD2
UniRef90_Q7DHE7
UniRef90_A0A010PSX7
UniRef90_G0CQ07
UniRef90_W4LQT8
UniRef90_M0CCY8
UniRef90_J8TJC7
UniRef90_A6SYU6
UniRef90_UPI0003694063
UniRef90_B2UEZ5
UniRef90_W0K287
UniRef90_UPI000368EA0A
UniRef90_D2RTJ5
UniRef90_F9ZLF6
UniRef90_UPI000377C942
UniRef90_R4VYR6
UniRef90_I8QS16
UniRef90_UPI000373A5DF
UniRef90_A8QMW4
UniRef90_UPI000371FD87
UniRef90_C3NJR5
UniRef90_R4T2M8
UniRef90_G0G653
UniRef90_UPI00026251FF
UniRef90_UPI0003778051
UniRef90_M0LMF5
UniRef90_W5WSS3
UniRef90_UPI00047E7FAF
UniRef90_UPI00036754A4
UniRef90_M3C6D0
UniRef90_R4SNZ6
UniRef90_UPI0003648B93
UniRef90_D8HY53

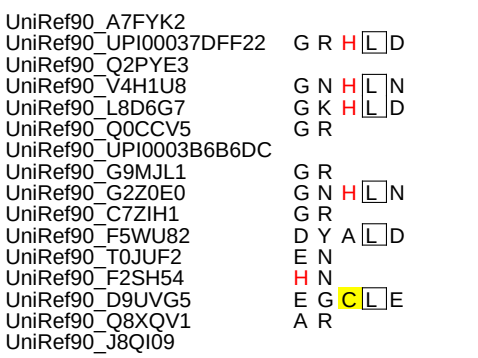

90
100
110
120
UniRef90_D3PUY3
UniRef90_C2QLB3
UniRef90_D4YL18
UniRef90_A0A059IR70
UniRef90_UPI00037D9EF1
UniRef90_G8RI95
UniRef90_UPI0003C7FC48
UniRef90_UPI00035D05CE
UniRef90_UPI00035CD284
UniRef90_V4J0Q8
UniRef90_K0DFV9
UniRef90_E5XNJ5
UniRef90_H0UJW9
UniRef90_D5B9L8
UniRef90_U1GXE0
UniRef90_E6SH52
UniRef90_UPI000308A684
UniRef90_UPI000472EEC4
UniRef90_E8SFJ8
UniRef90_Q9S4I3
UniRef90_Q1AV50
UniRef90_X7XRG5
UniRef90_Q1AV51
UniRef90_D2J7X5
UniRef90_Q0AM71
UniRef90_UPI0003698AEA
UniRef90_F4CKR8
UniRef90_F5XK27
UniRef90_UPI00036BC2CC
UniRef90_UPI000376F9AE
UniRef90_U7PJR3
UniRef90_L7KT22
UniRef90_Q93IF0
UniRef90_A0A059II22
UniRef90_W8AG24
UniRef90_UPI0003662BAD
UniRef90_UPI0004767742
UniRef90_B1MM72
UniRef90_G5GKQ4
UniRef90_B9DLI4
UniRef90_R6S9A3
UniRef90_UPI0004641C7A
UniRef90_D2B8F2
UniRef90_D8IFU0
UniRef90_R6CN94
UniRef90_F8A682
UniRef90_A0LQB5
UniRef90_D1CGW9
UniRef90_F2NN10
UniRef90_T3D8C7
UniRef90_D5UHR8
UniRef90_W8U8B5
UniRef90_E9FBN6
UniRef90_B6G124
UniRef90_W9HGI9
UniRef90_T4VYV6
UniRef90_UPI00040C87AB
UniRef90_UPI000479CB3C
UniRef90_A1SCI6
UniRef90_I0RMD2
UniRef90_Q7DHE7
UniRef90_A0A010PSX7
UniRef90_G0CQ07
UniRef90_W4LQT8
UniRef90_M0CCY8
UniRef90_J8TJC7
UniRef90_A6SYU6
UniRef90_UPI0003694063
UniRef90_B2UEZ5
UniRef90_W0K287
UniRef90_UPI000368EA0A
UniRef90_D2RTJ5
UniRef90_F9ZLF6
UniRef90_UPI000377C942
UniRef90_R4VYR6
UniRef90_I8QS16
UniRef90_UPI000373A5DF
UniRef90_A8QMW4
UniRef90_UPI000371FD87
UniRef90_C3NJR5
UniRef90_R4T2M8
UniRef90_G0G653
UniRef90_UPI00026251FF
UniRef90_UPI0003778051
UniRef90_M0LMF5
UniRef90_W5WSS3
UniRef90_UPI00047E7FAF
UniRef90_UPI00036754A4
UniRef90_M3C6D0
UniRef90_R4SNZ6
UniRef90_UPI0003648B93
UniRef90_D8HY53

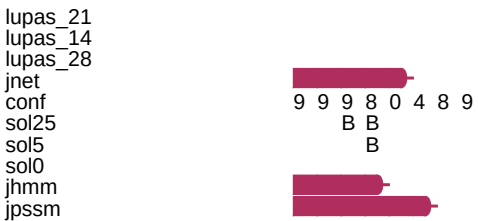
UniRef90_D3PUY3 G S L L T R I A
UniRef90_C2QLB3 G G T L S G
UniRef90_D4YL18 T G F L N
UniRef90_A0A059IR70 R A F L R
UniRef90_UPI00037D9EF1 R P L L
UniRef90_G8RI95 R H L L A S
UniRef90_UPI0003C7FC48 G D L L G T Q S
UniRef90_UPI00035D05CE G D L L H S
UniRef90_UPI00035CD284 A E V L Q T
UniRef90_V4J0Q8 V P L
UniRef90_K0DFV9
UniRef90_E5XNJ5 K G R L D
UniRef90_H0UJW9
UniRef90_D5B9L8
UniRef90_U1GXE0
UniRef90_E6SH52 R
UniRef90_UPI000308A684 H D
UniRef90_UPI000472EEC4 A P M L G G I
UniRef90_E8SFJ8 R
UniRef90_Q9S4I3
UniRef90_Q1AV50 G A V
UniRef90_X7XRG5 G S L L A A
UniRef90_Q1AV51 T
UniRef90_D2J7X5 E N
UniRef90_Q0AM71
UniRef90_UPI0003698AEA G H L L A L T T
UniRef90_F4CKR8 G A L M A G T T
UniRef90_F5XK27 G D R L D A T
UniRef90_UPI00036BC2CC H E L L D
UniRef90_UPI000376F9AE
UniRef90_U7PJR3 E
UniRef90_L7KT22
UniRef90_Q93IF0 L K L L E
UniRef90_A0A059II22 R P F M Q S
UniRef90_W8AG24 P G R L D
UniRef90_UPI0003662BAD
UniRef90_UPI0004767742 G D R L R
UniRef90_B1MM72
UniRef90_G5GKQ4
UniRef90_B9DLI4
UniRef90_R6S9A3
UniRef90_UPI0004641C7A
UniRef90_D2B8F2 G D R L D
UniRef90_D8IFU0
UniRef90_R6CN94
UniRef90_F8A682 G D R L T
UniRef90_A0LQB5
UniRef90_D1CGW9
UniRef90_F2NN10
UniRef90_T3D8C7
UniRef90_D5UHR8 G D R V D
UniRef90_W8U8B5
UniRef90_E9FBN6
UniRef90_B6G124
UniRef90_W9HGI9
UniRef90_T4VYV6
UniRef90_UPI00040C87AB R D R L D R
UniRef90_UPI000479CB3C
UniRef90_A1SCI6 A E M
UniRef90_I0RMD2 D A I L G G
UniRef90_Q7DHE7
UniRef90_A0A010PSX7
UniRef90_G0CQ07
UniRef90_W4LQT8
UniRef90_M0CCY8
UniRef90_J8TJC7 T G R L E R
UniRef90_A6SYU6 R R L L
UniRef90_UPI0003694063 D Q M V D A L S
UniRef90_B2UEZ5 R R L L R
UniRef90_W0K287
UniRef90_UPI000368EA0A A G R L D A
UniRef90_D2RTJ5
UniRef90_F9ZLF6 H G L L R A
UniRef90_UPI000377C942
UniRef90_R4VYR6
UniRef90_I8QS16 E G R L D T
UniRef90_UPI000373A5DF
UniRef90_A8QMW4
UniRef90_UPI000371FD87
UniRef90_C3NJR5
UniRef90_R4T2M8 D G R L D
UniRef90_G0G653 A G R L E R
UniRef90_UPI00026251FF G
UniRef90_UPI0003778051 E G R L H R
UniRef90_M0LMF5
UniRef90_W5WSS3 Q R L
UniRef90_UPI00047E7FAF E G R L
UniRef90_UPI00036754A4 E G R L E R
UniRef90_M3C6D0 T G R L D A
UniRef90_R4SNZ6 A A L
UniRef90_UPI0003648B93 G P I L A L T T
UniRef90_D8HY53


1 10 20 30 40
UniRef90_A7FYK2 T N Y K V K L D G R E I N A M C A V D S I G T A F T F K Q N I K I E S S C I M C
UniRef90_UPI00037DFF22 T P F A V G Q G D R I W W G N C A W C S L G V A A L L G G N V T I R T T L G A E
UniRef90_Q2PYE3 T Q Y R I S V D G E Q W F A Q C G F E A L A C R W L F G K T V R I E A P C L L G
UniRef90_V4H1U8 T N F W I Q S G Q H G W W G N C A W C S L G A A A L L D R D L T I T T T L G S E
UniRef90_L8D6G7 T H F W L E S K S G Q W W G N C A W C A L G A A A I L N Q D L T I T T T I G G Q
UniRef90_Q0CCV5 V S S G E R R W W G N C A W C S L G V M Q L A G R N A T L K T R L G A I
UniRef90_UPI0003B6B6DC W W G G C A W D S F A I P H L V P D E V L V A T T C P N C
UniRef90_G9MJL1 V S S G D R K W W G N C A W C S F G V M H L L G G T S T F T T R T G A I
UniRef90_G2Z0E0 Q W W G N C A W C S L G V A A L L N E D V K I T T T I G A E
UniRef90_C7ZIH1 V T S G E R K W W G N C A W C S L G V M K L A G G T A T L T T R L G A I
UniRef90_F5WU82 T A F K V S I P G E E V Y A M C A F D A M C F L S L K D S E I I C L D
UniRef90_T0JUF2 T P Y V V T Q D T R S W W T N C A W C G F G L A A M L G S S P F P V S L S A K S
UniRef90_F2SH54 S W C A P G L A A M L A P D K A I I S V G S G S
UniRef90_D9UVG5 W W G G C A W D S F A I P H L V E P E V L V A T R C P G C
UniRef90_Q8XQV1 V K S G N R K W W G N C A W C A L G L V H L A G G S A T I E T R I G A I
UniRef90_J8QI09 R H W W A A G A L Y A F C I P H V V E A P V I I S T R C P G C
lupas_21
lupas_14
lupas_28
jnet
conf 9 8 1 7 8 8 5 5 7 0 6 6 4 1 5 8 9 9 9 9 9 9 8 8 5 3 8 8 6 5 8 9 8 7 4 1 6 8 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 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 B
sol0 B B B B B B B B B B B B
jhmm
jpssm


50
60
70
80
UniRef90_A7FYK2
UniRef90_UPI00037DFF22
UniRef90_Q2PYE3
UniRef90_V4H1U8
UniRef90_L8D6G7
UniRef90_Q0CCV5
UniRef90_UPI0003B6B6DC
UniRef90_G9MJL1
UniRef90_G2Z0E0
UniRef90_C7ZIH1
UniRef90_F5WU82
UniRef90_T0JUF2
UniRef90_F2SH54
UniRef90_D9UVG5
UniRef90_Q8XQV1
UniRef90_J8QI09
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


90
100
110
120
UniRef90_A7FYK2
UniRef90_UPI00037DFF22 T M L L F G N E A E I D A W A G R H A L P R G D A Q P V Q R V Y D F A R V W Y
UniRef90_Q2PYE3
UniRef90_V4H1U8 T M L M F E S K S D I E Q W C A R H G L V Q G D V Q P I S H I W E F S K V W Y
UniRef90_L8D6G7 V M L M F E S E Q Q I D L W C E Q H G F A K G D V Q P I E K I W S F A Q V W Y
UniRef90_Q0CCV5 V M L L F R N E A E V D E W C S T R G I P K G D V R P I E Q I W H F A A E W Y
UniRef90_UPI0003B6B6DC H Q S I F C S P D C V A A W L A D
UniRef90_G9MJL1 V Q L L F R N E A E V D E W C A S R G I A K G D V R P I K Q V W D F A A E W Y
UniRef90_G2Z0E0 N M L V F E N E E Q I D S W T K R H N I P K G D I Q P I E K I W T F S K K W Y
UniRef90_C7ZIH1 V Q L L F R D E T E V D E W C S T R G I P K G D V R P V E Q I W G F A T E W Y
UniRef90_F5WU82 S I K F I A K D D V P C S G G V S Y T L P E A F V L S V Q L F
UniRef90_T0JUF2 T I H V F G S Q T Q A A E W C E R Y G F R Y G E A M N L E T M W K L S K A W Y
UniRef90_F2SH54 T I Q L F K S K Q G A Q K W P Q K R G F H T G E I L S L E T A W S L S K A W Y
UniRef90_D9UVG5 K Q R L Y C S E S C V D S P G E L L G L D A L W H L A K D W Y
UniRef90_Q8XQV1 V Q L L F R D E A Q V D E W C A S R G I P K G D V R P I E Q V W N F A V E W Y
UniRef90_J8QI09 R Q R L F C H E K C V D L W C Q S V G R T K G G V M E V D T L W H L A K G W
lupas_21
lupas_14
lupas_28
jnet
conf 7 7 7 7 6 5 2 7 8 9 9 9 9 8 8 5 1 6 8 8 8 5 3 6 6 4 0 4 7 8 9 9 9 9 9 9 9
sol25 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
sol0 B B B
jhmm
jpssm


UniRef90_A7FYK2
UniRef90_UPI00037DFF22 G R H L D
UniRef90_Q2PYE3
UniRef90_V4H1U8 G N H L N
UniRef90_L8D6G7 G K H L D
UniRef90_Q0CCV5 G R
UniRef90_UPI0003B6B6DC
UniRef90_G9MJL1 G R
UniRef90_G2Z0E0 G N H L N
UniRef90_C7ZIH1 G R
UniRef90_F5WU82 D Y A L D
UniRef90_T0JUF2 E N
UniRef90_F2SH54 H N
UniRef90_D9UVG5 E G C L E
UniRef90_Q8XQV1 A R
UniRef90_J8QI09


lupas_21
lupas_14
lupas_28
jnet
conf 9 9 9 8 0 4 8 9
sol25 B B
sol5 B
sol0
jhmm
jpssm