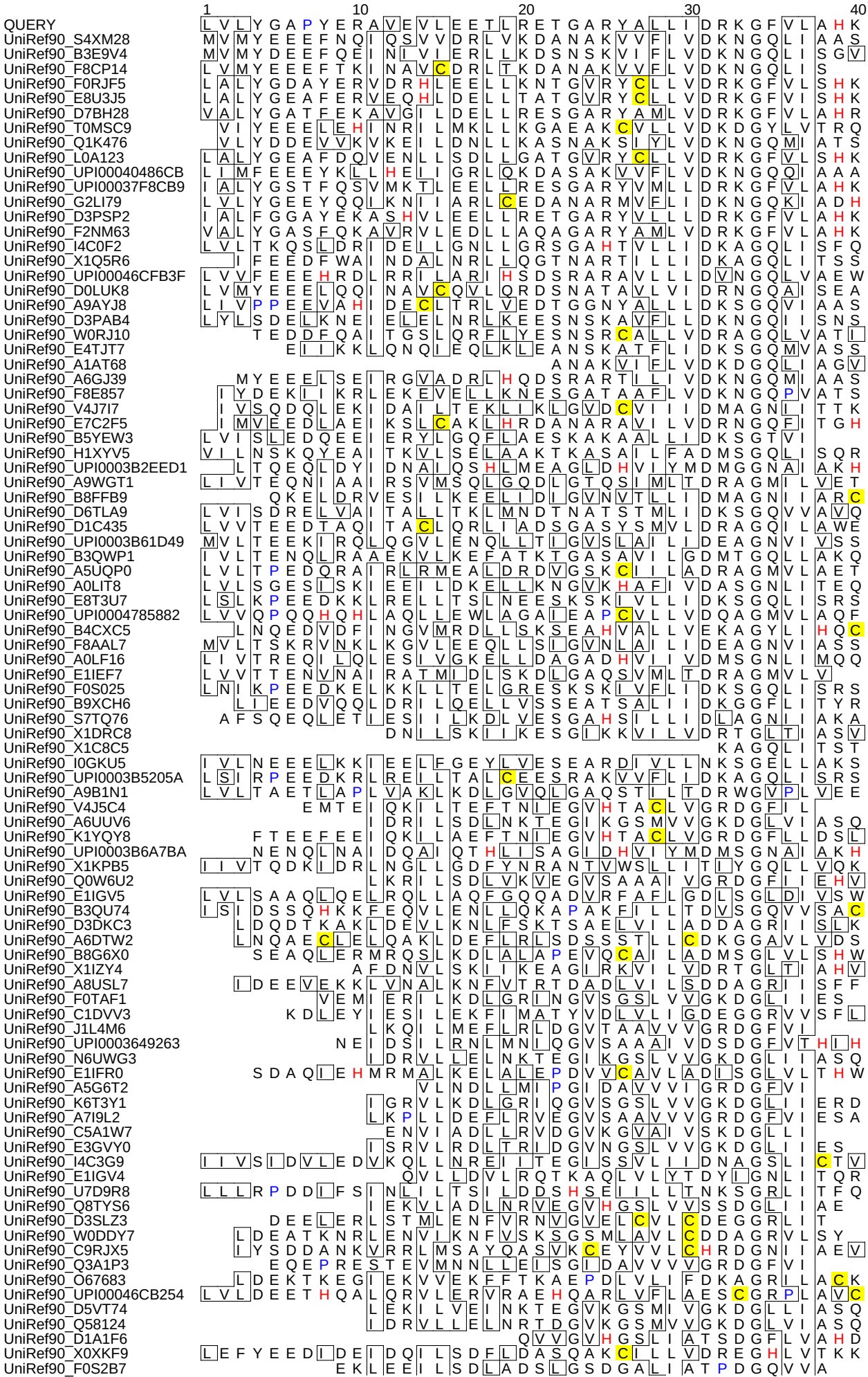
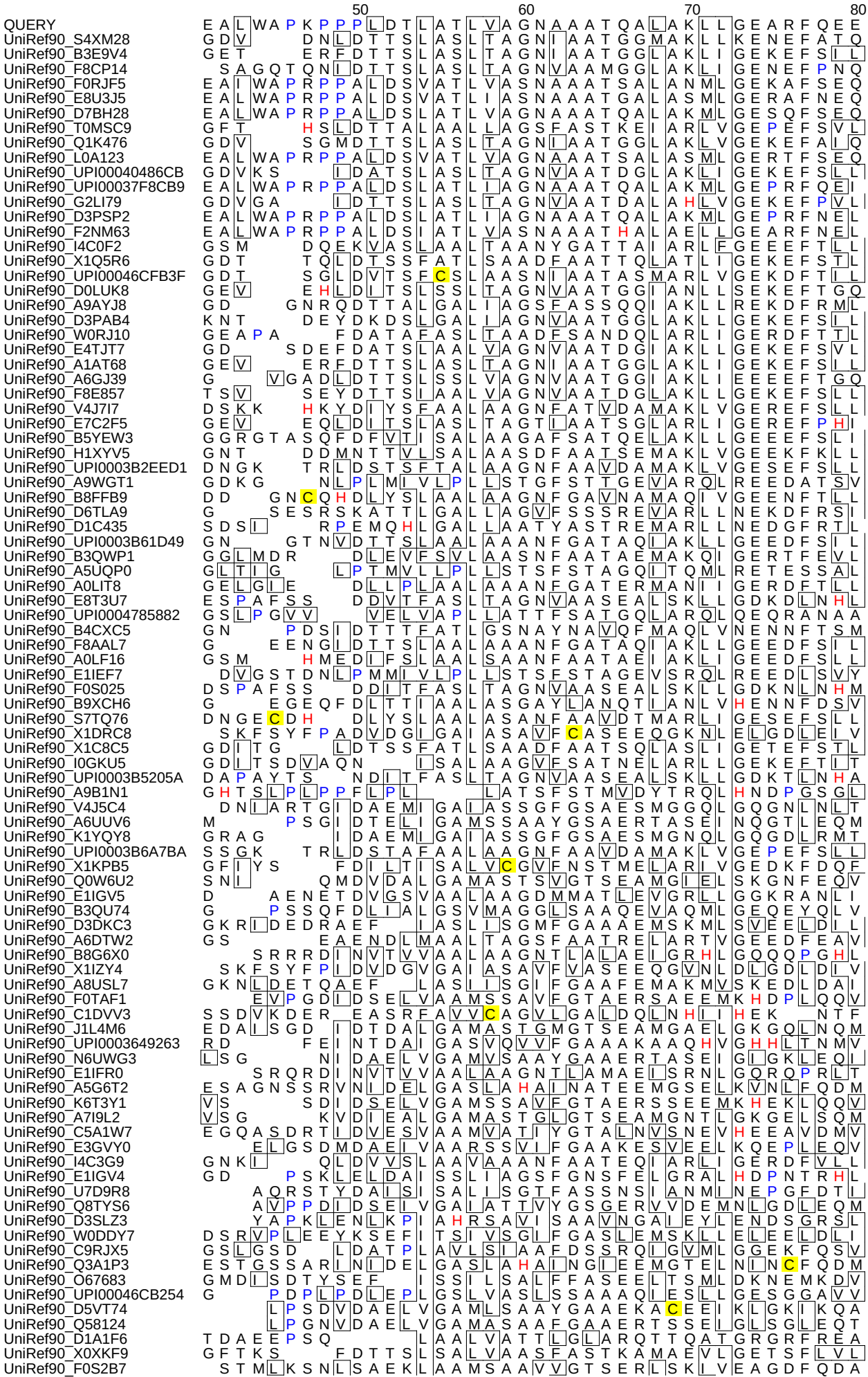
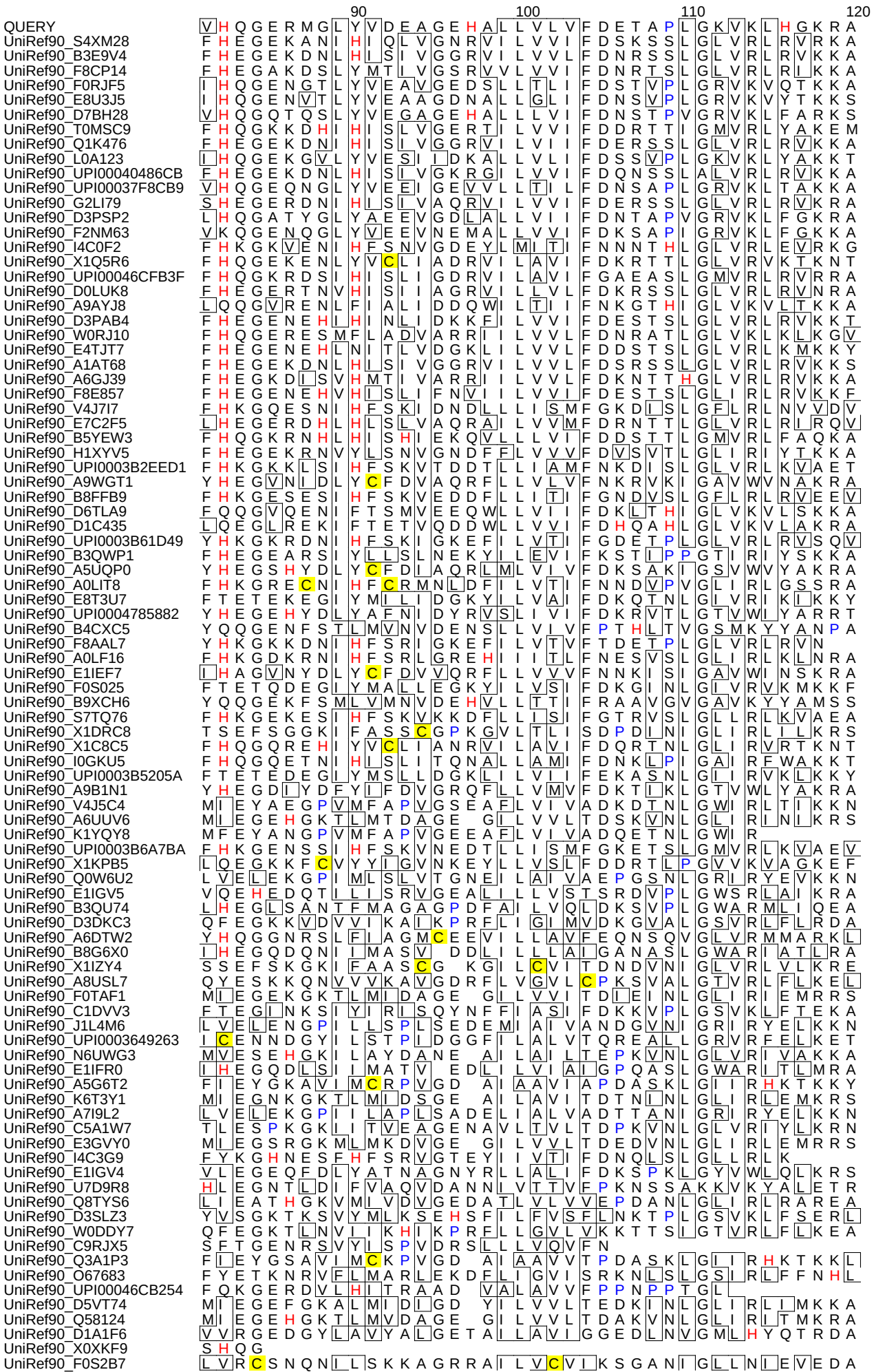
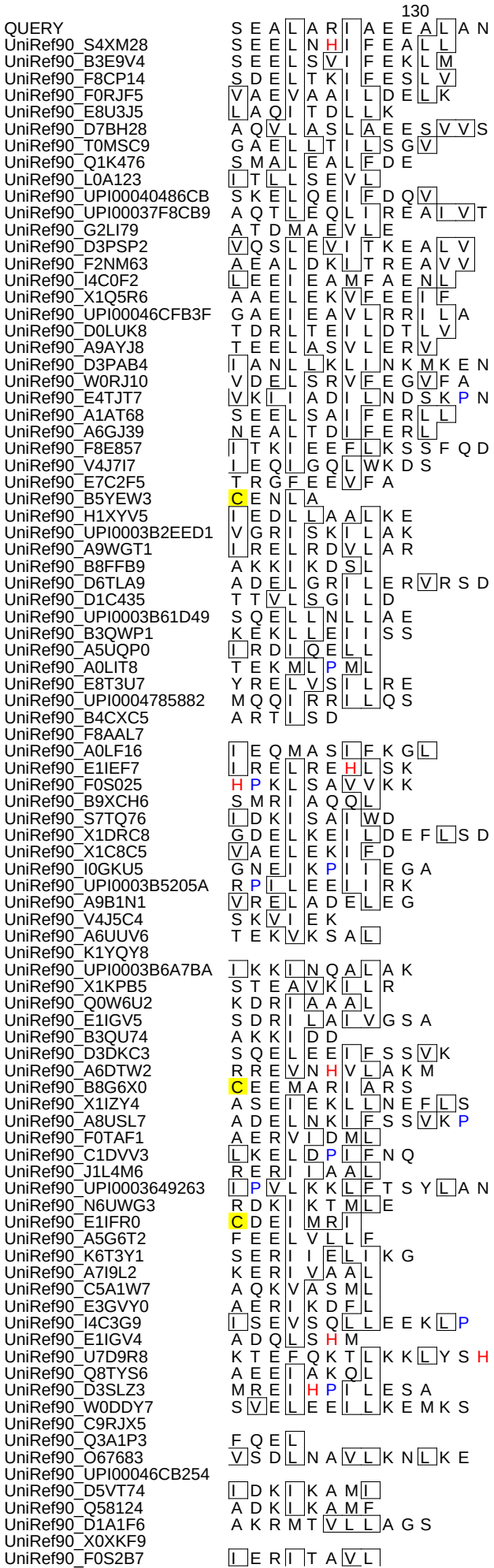
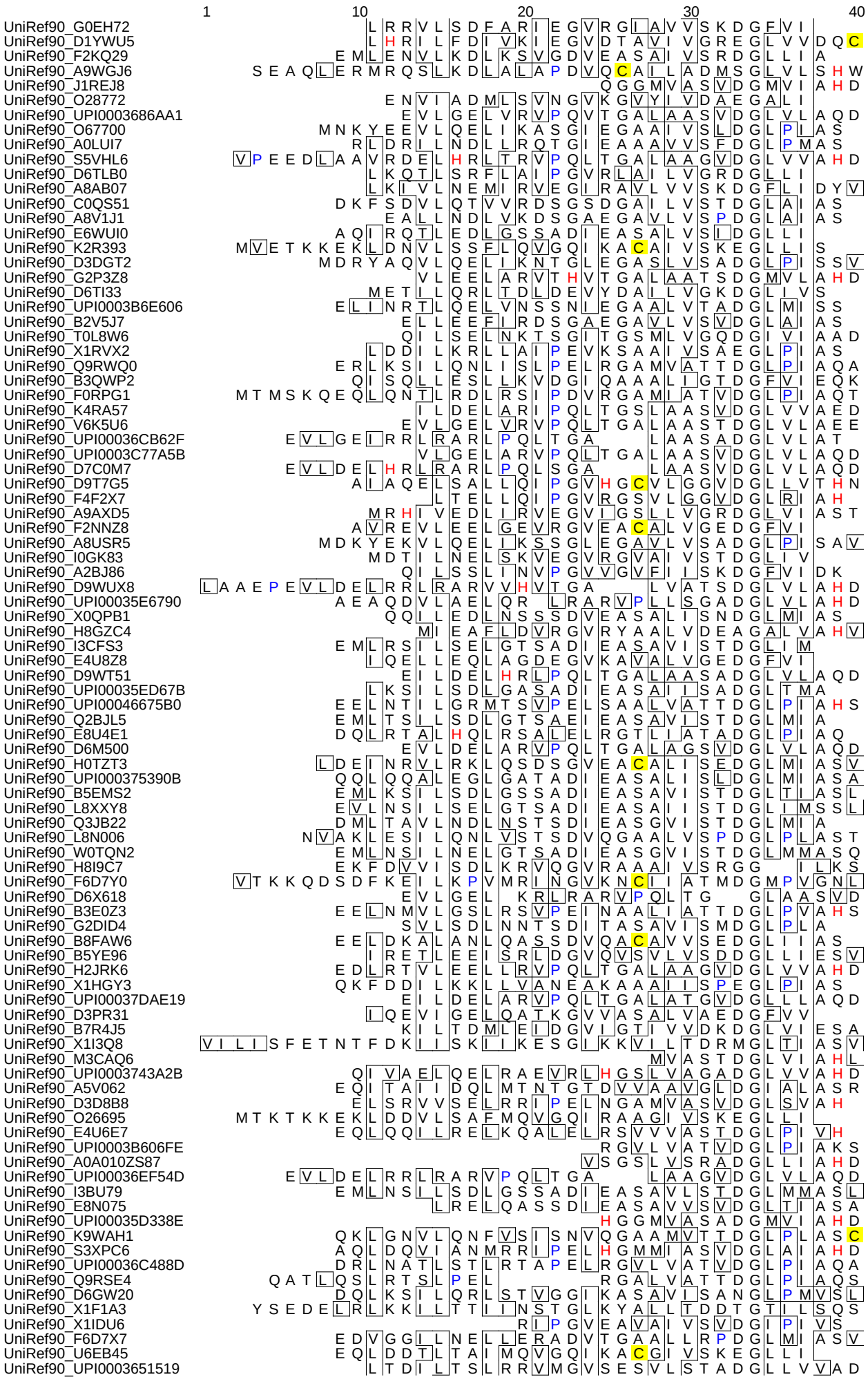
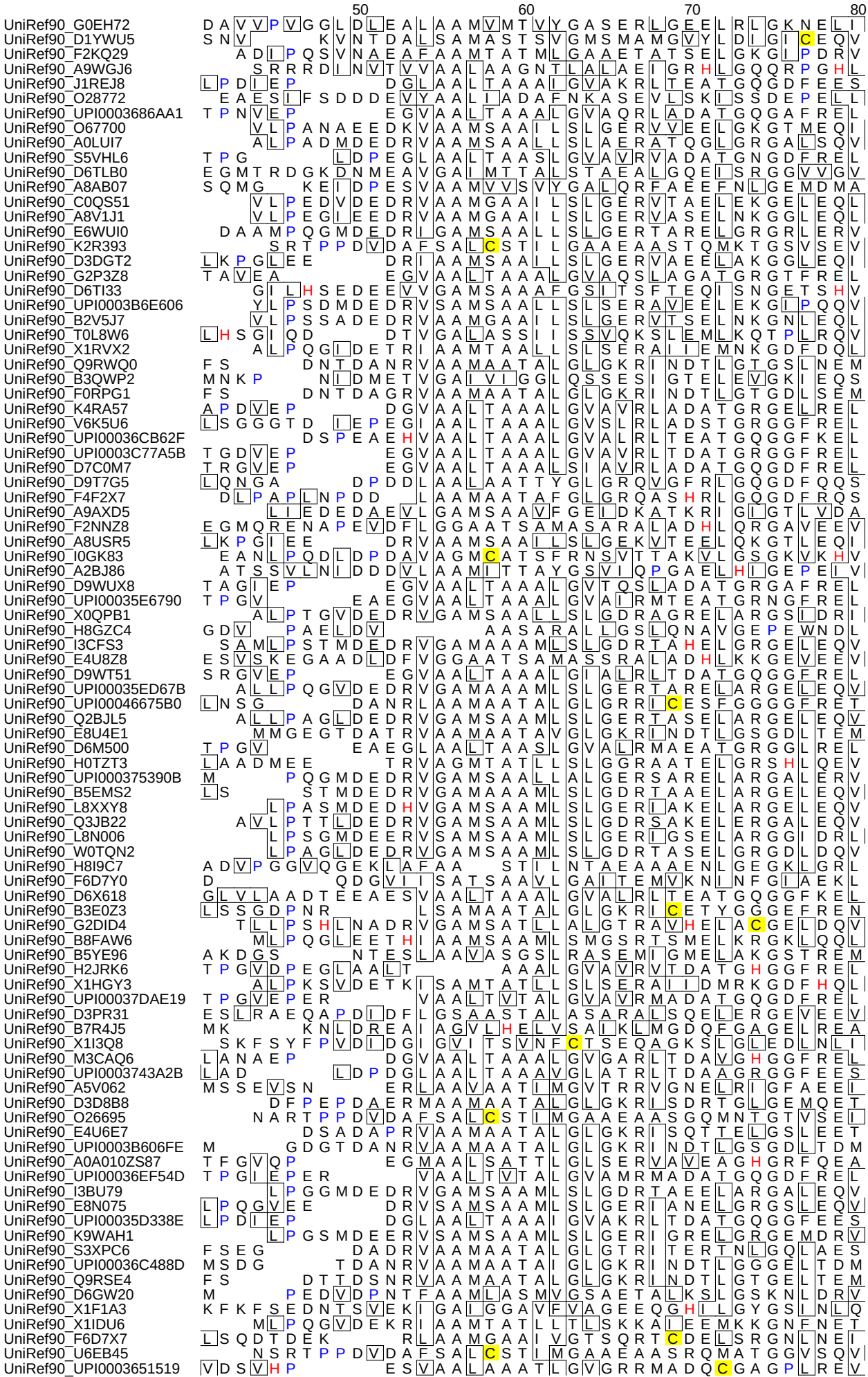

1
10
20
30
40
QUERY
UniRef90_S4XM28
UniRef90_B3E9V4
UniRef90_F8CP14
UniRef90_F0RJF5
UniRef90_E8U3J5
UniRef90_D7BH28
UniRef90_T0MSC9
UniRef90_Q1K476
UniRef90_L0A123
UniRef90_UPI00040486CB
UniRef90_UPI00037F8CB9
UniRef90_G2LI79
UniRef90_D3PSP2
UniRef90_F2NM63
UniRef90_I4C0F2
UniRef90_X1Q5R6
UniRef90_UPI00046CFB3F
UniRef90_D0LUK8
UniRef90_A9AYJ8
UniRef90_D3PAB4
UniRef90_W0RJ10
UniRef90_E4TJT7
UniRef90_A1AT68
UniRef90_A6GJ39
UniRef90_F8E857
UniRef90_V4J7I7
UniRef90_E7C2F5
UniRef90_B5YEW3
UniRef90_H1XYV5
UniRef90_UPI0003B2EED1
UniRef90_A9WGT1
UniRef90_B8FFB9
UniRef90_D6TLA9
UniRef90_D1C435
UniRef90_UPI0003B61D49
UniRef90_B3QWP1
UniRef90_A5UQP0
UniRef90_A0LIT8
UniRef90_E8T3U7
UniRef90_UPI0004785882
UniRef90_B4CXC5
UniRef90_F8AAL7
UniRef90_A0LF16
UniRef90_E1IEF7
UniRef90_F0S025
UniRef90_B9XCH6
UniRef90_S7TQ76
UniRef90_X1DRC8
UniRef90_X1C8C5
UniRef90_I0GKU5
UniRef90_UPI0003B5205A
UniRef90_A9B1N1
UniRef90_V4J5C4
UniRef90_A6UUV6
UniRef90_K1YQY8
UniRef90_UPI0003B6A7BA
UniRef90_X1KPB5
UniRef90_Q0W6U2
UniRef90_E1IGV5
UniRef90_B3QU74
UniRef90_D3DKC3
UniRef90_A6DTW2
UniRef90_B8G6X0
UniRef90_X1IZY4
UniRef90_A8USL7
UniRef90_F0TAF1
UniRef90_C1DVV3
UniRef90_J1L4M6
UniRef90_UPI0003649263
UniRef90_N6UWG3
UniRef90_E1IFR0
UniRef90_A5G6T2
UniRef90_K6T3Y1
UniRef90_A7I9L2
UniRef90_C5A1W7
UniRef90_E3GVY0
UniRef90_I4C3G9
UniRef90_E1IGV4
UniRef90_U7D9R8
UniRef90_Q8TYS6
UniRef90_D3SLZ3
UniRef90_W0DDY7
UniRef90_C9RJX5
UniRef90_Q3A1P3
UniRef90_O67683
UniRef90_UPI00046CB254
UniRef90_D5VT74
UniRef90_Q58124
UniRef90_D1A1F6
UniRef90_X0XKF9
UniRef90_F0S2B7

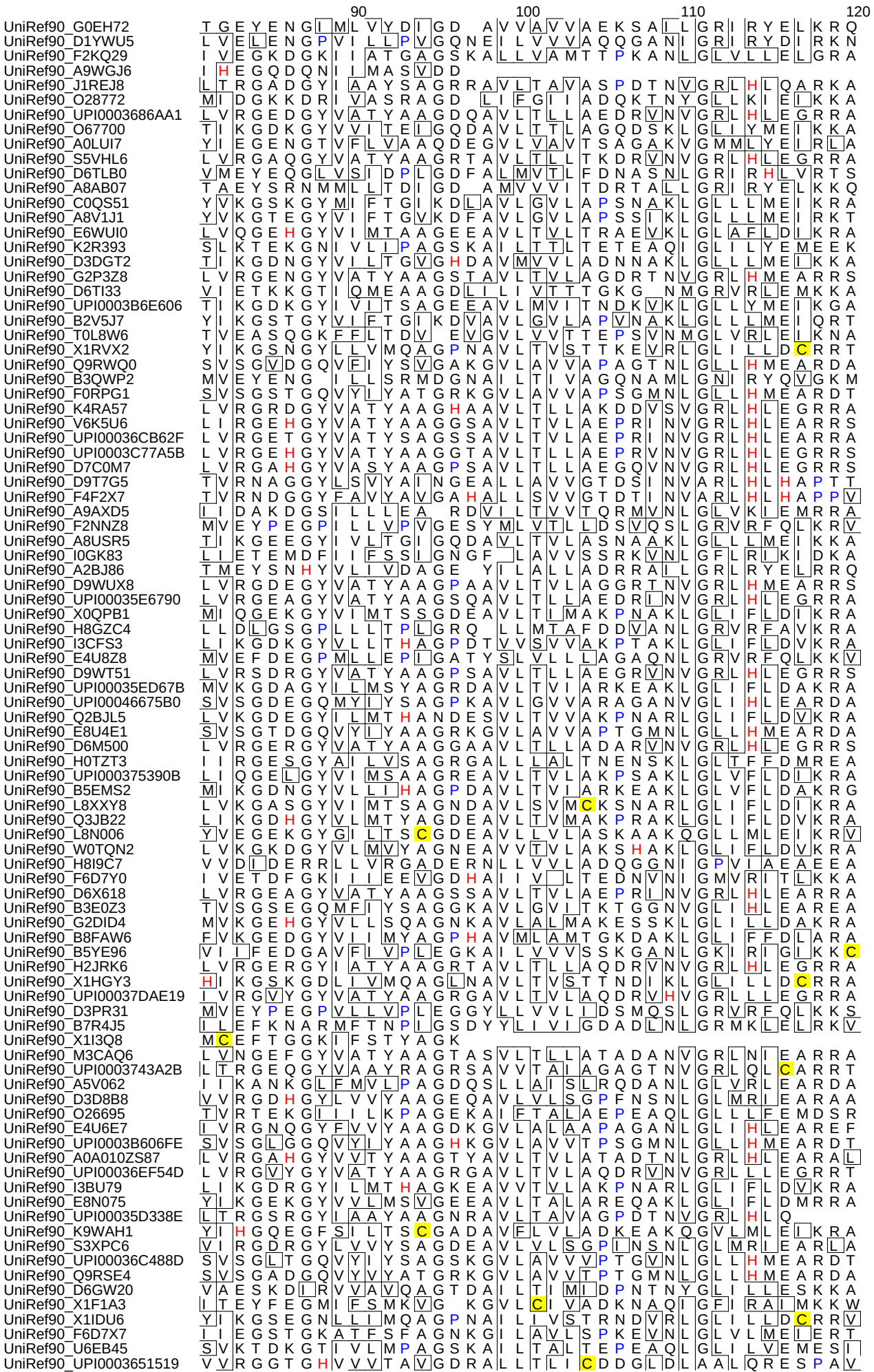

50
60
70
80
QUERY
UniRef90_S4XM28
UniRef90_B3E9V4
UniRef90_F8CP14
UniRef90_F0RJF5
UniRef90_E8U3J5
UniRef90_D7BH28
UniRef90_T0MSC9
UniRef90_Q1K476
UniRef90_L0A123
UniRef90_UPI00040486CB
UniRef90_UPI00037F8CB9
UniRef90_G2LI79
UniRef90_D3PSP2
UniRef90_F2NM63
UniRef90_I4C0F2
UniRef90_X1Q5R6
UniRef90_UPI00046CFB3F
UniRef90_D0LUK8
UniRef90_A9AYJ8
UniRef90_D3PAB4
UniRef90_W0RJ10
UniRef90_E4TJT7
UniRef90_A1AT68
UniRef90_A6GJ39
UniRef90_F8E857
UniRef90_V4J7I7
UniRef90_E7C2F5
UniRef90_B5YEW3
UniRef90_H1XYV5
UniRef90_UPI0003B2EED1
UniRef90_A9WGT1
UniRef90_B8FFB9
UniRef90_D6TLA9
UniRef90_D1C435
UniRef90_UPI0003B61D49
UniRef90_B3QWP1
UniRef90_A5UQP0
UniRef90_A0LIT8
UniRef90_E8T3U7
UniRef90_UPI0004785882
UniRef90_B4CXC5
UniRef90_F8AAL7
UniRef90_A0LF16
UniRef90_E1IEF7
UniRef90_F0S025
UniRef90_B9XCH6
UniRef90_S7TQ76
UniRef90_X1DRC8
UniRef90_X1C8C5
UniRef90_I0GKU5
UniRef90_UPI0003B5205A
UniRef90_A9B1N1
UniRef90_V4J5C4
UniRef90_A6UUV6
UniRef90_K1YQY8
UniRef90_UPI0003B6A7BA
UniRef90_X1KPB5
UniRef90_Q0W6U2
UniRef90_E1IGV5
UniRef90_B3QU74
UniRef90_D3DKC3
UniRef90_A6DTW2
UniRef90_B8G6X0
UniRef90_X1IZY4
UniRef90_A8USL7
UniRef90_F0TAF1
UniRef90_C1DVV3
UniRef90_J1L4M6
UniRef90_UPI0003649263
UniRef90_N6UWG3
UniRef90_E1IFR0
UniRef90_A5G6T2
UniRef90_K6T3Y1
UniRef90_A7I9L2
UniRef90_C5A1W7
UniRef90_E3GVY0
UniRef90_I4C3G9
UniRef90_E1IGV4
UniRef90_U7D9R8
UniRef90_Q8TYS6
UniRef90_D3SLZ3
UniRef90_W0DDY7
UniRef90_C9RJX5
UniRef90_Q3A1P3
UniRef90_O67683
UniRef90_UPI00046CB254
UniRef90_D5VT74
UniRef90_Q58124
UniRef90_D1A1F6
UniRef90_X0XKF9
UniRef90_F0S2B7


90
100
110
120
QUERY
UniRef90_S4XM28
UniRef90_B3E9V4
UniRef90_F8CP14
UniRef90_F0RJF5
UniRef90_E8U3J5
UniRef90_D7BH28
UniRef90_T0MSC9
UniRef90_Q1K476
UniRef90_L0A123
UniRef90_UPI00040486CB
UniRef90_UPI00037F8CB9
UniRef90_G2LI79
UniRef90_D3PSP2
UniRef90_F2NM63
UniRef90_I4C0F2
UniRef90_X1Q5R6
UniRef90_UPI00046CFB3F
UniRef90_D0LUK8
UniRef90_A9AYJ8
UniRef90_D3PAB4
UniRef90_W0RJ10
UniRef90_E4TJT7
UniRef90_A1AT68
UniRef90_A6GJ39
UniRef90_F8E857
UniRef90_V4J7I7
UniRef90_E7C2F5
UniRef90_B5YEW3
UniRef90_H1XYV5
UniRef90_UPI0003B2EED1
UniRef90_A9WGT1
UniRef90_B8FFB9
UniRef90_D6TLA9
UniRef90_D1C435
UniRef90_UPI0003B61D49
UniRef90_B3QWP1
UniRef90_A5UQP0
UniRef90_A0LIT8
UniRef90_E8T3U7
UniRef90_UPI0004785882
UniRef90_B4CXC5
UniRef90_F8AAL7
UniRef90_A0LF16
UniRef90_E1IEF7
UniRef90_F0S025
UniRef90_B9XCH6
UniRef90_S7TQ76
UniRef90_X1DRC8
UniRef90_X1C8C5
UniRef90_I0GKU5
UniRef90_UPI0003B5205A
UniRef90_A9B1N1
UniRef90_V4J5C4
UniRef90_A6UUV6
UniRef90_K1YQY8
UniRef90_UPI0003B6A7BA
UniRef90_X1KPB5
UniRef90_Q0W6U2
UniRef90_E1IGV5
UniRef90_B3QU74
UniRef90_D3DKC3
UniRef90_A6DTW2
UniRef90_B8G6X0
UniRef90_X1IZY4
UniRef90_A8USL7
UniRef90_F0TAF1
UniRef90_C1DVV3
UniRef90_J1L4M6
UniRef90_UPI0003649263
UniRef90_N6UWG3
UniRef90_E1IFR0
UniRef90_A5G6T2
UniRef90_K6T3Y1
UniRef90_A7I9L2
UniRef90_C5A1W7
UniRef90_E3GVY0
UniRef90_I4C3G9
UniRef90_E1IGV4
UniRef90_U7D9R8
UniRef90_Q8TYS6
UniRef90_D3SLZ3
UniRef90_W0DDY7
UniRef90_C9RJX5
UniRef90_Q3A1P3
UniRef90_O67683
UniRef90_UPI00046CB254
UniRef90_D5VT74
UniRef90_Q58124
UniRef90_D1A1F6
UniRef90_X0XKF9
UniRef90_F0S2B7

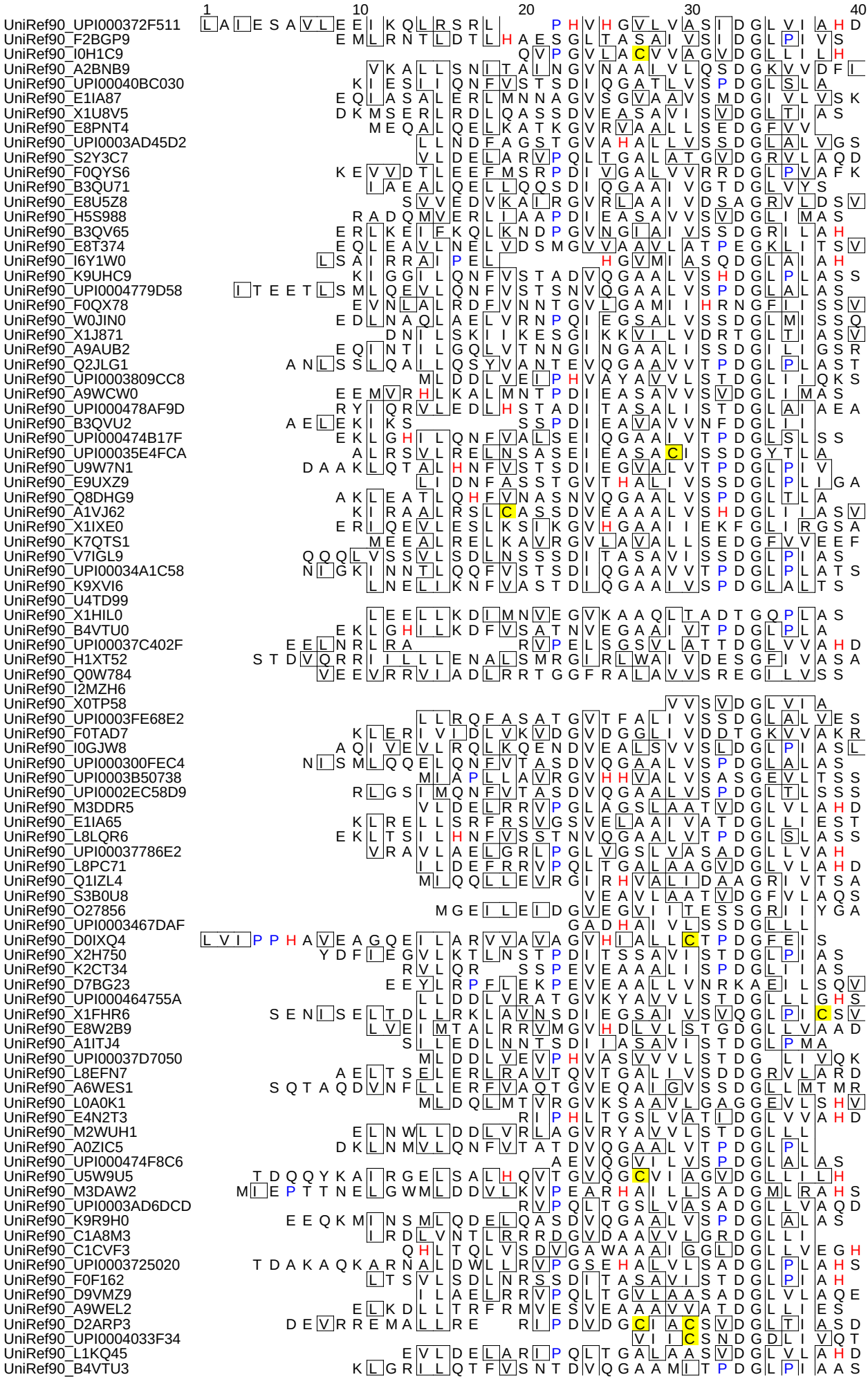

130
QUERY S E A L A R I A E E A L A N
UniRef90_S4XM28 S E E L N H I F E A L L
UniRef90_B3E9V4 S E E L S V I F E K L M
UniRef90_F8CP14 S D E L T K I F E S L V
UniRef90_F0RJF5 V A E V A A I L D E L K
UniRef90_E8U3J5 L A Q I T D L L K
UniRef90_D7BH28 A Q V L A S L A E E S V V S
UniRef90_T0MSC9 G A E L L T I L S G V
UniRef90_Q1K476 S M A L E A L F D E
UniRef90_L0A123 I T L L S E V L
UniRef90_UPI00040486CB S K E L Q E I F D Q V
UniRef90_UPI00037F8CB9 A Q T L E Q L I R E A I V T
UniRef90_G2LI79 A T D M A E V L E
UniRef90_D3PSP2 V Q S L E V I T K E A L V
UniRef90_F2NM63 A E A L D K I T R E A V V
UniRef90_I4C0F2 L E E I E A M F A E N L
UniRef90_X1Q5R6 A A E L E K V F E E I F
UniRef90_UPI00046CFB3F G A E I E A V L R R I L A
UniRef90_D0LUK8 T D R L T E I L D T L V
UniRef90_A9AYJ8 T E E L A S V L E R V
UniRef90_D3PAB4 I A N L L K L I N K M K E N
UniRef90_W0RJ10 V D E L S R V F E G V F A
UniRef90_E4TJT7 V K I I A D I L N D S K P N
UniRef90_A1AT68 S E E L S A I F E R L L
UniRef90_A6GJ39 N E A L T D I F E R L
UniRef90_F8E857 I T K I E E F L K S S F Q D
UniRef90_V4J7I7 I E Q I G Q L W K D S
UniRef90_E7C2F5 T R G F E E V F A
UniRef90_B5YEW3 C E N L A
UniRef90_H1XYV5 I E D L L A A L K E
UniRef90_UPI0003B2EED1 V G R I S K I L A K
UniRef90_A9WGT1 I R E L R D V L A R
UniRef90_B8FFB9 A K K I K D S L
UniRef90_D6TLA9 A D E L G R I L E R V R S D
UniRef90_D1C435 T T V L S G I L D
UniRef90_UPI0003B61D49 S Q E L L N L L A E
UniRef90_B3QWP1 K E K L L E I I S S
UniRef90_A5UQP0 I R D I Q E L L
UniRef90_A0LIT8 T E K M L P M L
UniRef90_E8T3U7 Y R E L V S I L R E
UniRef90_UPI0004785882 M Q Q I R R I L Q S
UniRef90_B4CXC5 A R T I S D
UniRef90_F8AAL7
UniRef90_A0LF16 I E Q M A S I F K G L
UniRef90_E1IEF7 I R E L R E H L S K
UniRef90_F0S025 H P K L S A V V K K
UniRef90_B9XCH6 S M R I A Q Q L
UniRef90_S7TQ76 I D K I S A I W D
UniRef90_X1DRC8 G D E L K E I L D E F L S D
UniRef90_X1C8C5 V A E L E K I F D
UniRef90_I0GKU5 G N E I K P I I E G A
UniRef90_UPI0003B5205A R P I L E E I I R K
UniRef90_A9B1N1 V R E L A D E L E G
UniRef90_V4J5C4 S K V I E K
UniRef90_A6UUV6 T E K V K S A L
UniRef90_K1YQY8
UniRef90_UPI0003B6A7BA I K K I N Q A L A K
UniRef90_X1KPB5 S T E A V K I L R
UniRef90_Q0W6U2 K D R I A A A L
UniRef90_E1IGV5 S D R I L A I V G S A
UniRef90_B3QU74 A K K I D D
UniRef90_D3DKC3 S Q E L E E I F S S V K
UniRef90_A6DTW2 R R E V N H V L A K M
UniRef90_B8G6X0 C E E M A R I A R S
UniRef90_X1IZY4 A S E I E K L L N E F L S
UniRef90_A8USL7 A D E L N K I F S S V K P
UniRef90_F0TAF1 A E R V I D M L
UniRef90_C1DVV3 L K E L D P I F N Q
UniRef90_J1L4M6 R E R I I A A L
UniRef90_UPI0003649263 I P V L K K L F T S Y L A N
UniRef90_N6UWG3 R D K I K T M L E
UniRef90_E1IFR0 C D E I M R I
UniRef90_A5G6T2 F E E L V L L F
UniRef90_K6T3Y1 S E R I I E L I K G
UniRef90_A7I9L2 K E R I V A A L
UniRef90_C5A1W7 A Q K V A S M L
UniRef90_E3GVY0 A E R I K D F L
UniRef90_I4C3G9 I S E V S Q L L E E K L P
UniRef90_E1IGV4 A D Q L S H M
UniRef90_U7D9R8 K T E F Q K T L K K L Y S H
UniRef90_Q8TYS6 A E E I A K Q L
UniRef90_D3SLZ3 M R E I H P I L E S A
UniRef90_W0DDY7 S V E L E E I L K E M K S
UniRef90_C9RJX5
UniRef90_Q3A1P3 F Q E L
UniRef90_O67683 V S D L N A V L K N L K E
UniRef90_UPI00046CB254
UniRef90_D5VT74 I D K I K A M I
UniRef90_Q58124 A D K I K A M F
UniRef90_D1A1F6 A K R M T V L L A G S
UniRef90_X0XKF9
UniRef90_F0S2B7 I E R I T A V L

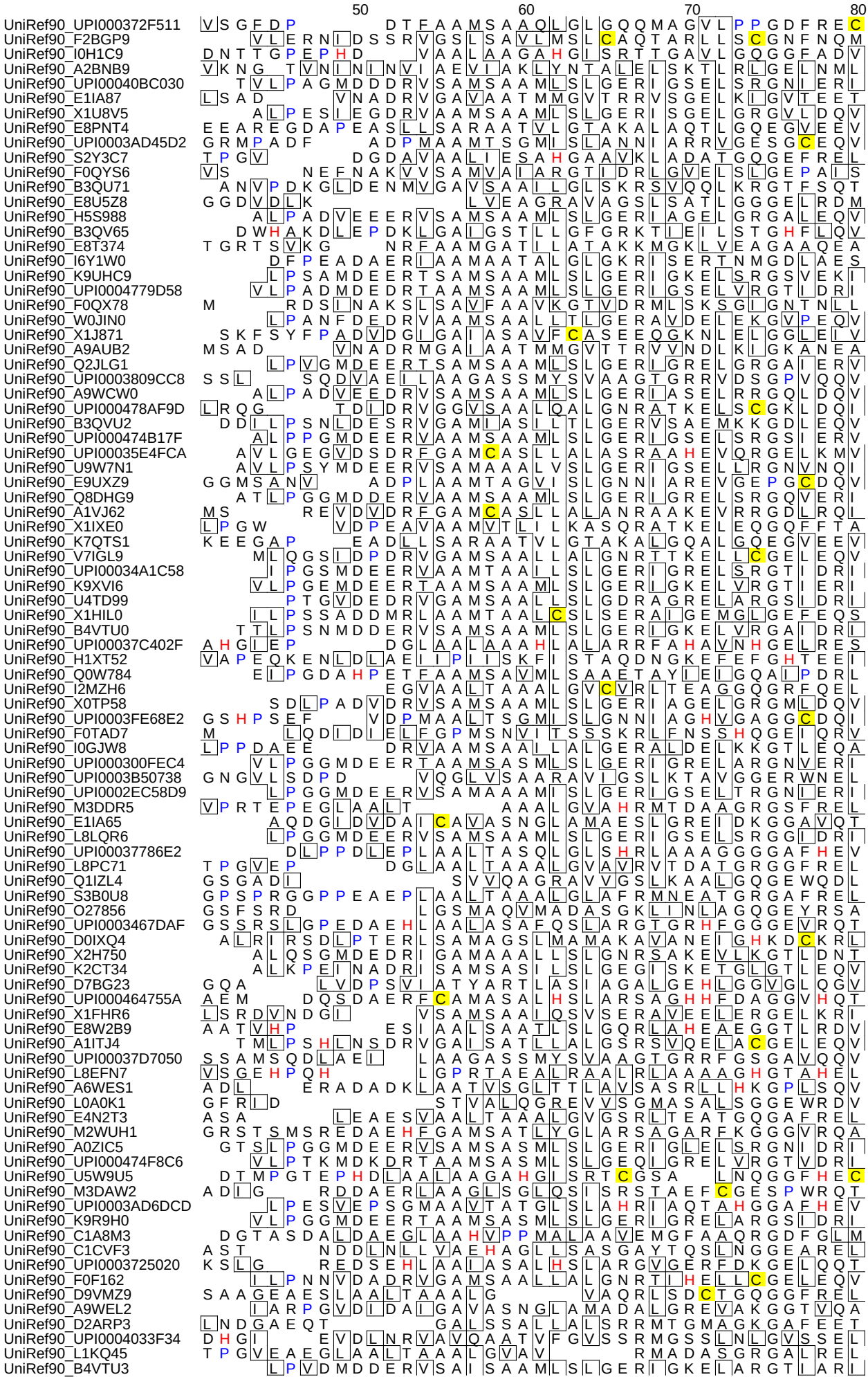

1
10
20
30
40
UniRef90_G0EH72
UniRef90_D1YWU5
UniRef90_F2KQ29
UniRef90_A9WGJ6
UniRef90_J1REJ8
UniRef90_O28772
UniRef90_UPI0003686AA1
UniRef90_O67700
UniRef90_A0LUI7
UniRef90_S5VHL6
UniRef90_D6TLB0
UniRef90_A8AB07
UniRef90_C0QS51
UniRef90_A8V1J1
UniRef90_E6WUI0
UniRef90_K2R393
UniRef90_D3DGT2
UniRef90_G2P3Z8
UniRef90_D6TI33
UniRef90_UPI0003B6E606
UniRef90_B2V5J7
UniRef90_T0L8W6
UniRef90_X1RVX2
UniRef90_Q9RWQ0
UniRef90_B3QWP2
UniRef90_F0RPG1
UniRef90_K4RA57
UniRef90_V6K5U6
UniRef90_UPI00036CB62F
UniRef90_UPI0003C77A5B
UniRef90_D7C0M7
UniRef90_D9T7G5
UniRef90_F4F2X7
UniRef90_A9AXD5
UniRef90_F2NNZ8
UniRef90_A8USR5
UniRef90_I0GK83
UniRef90_A2BJ86
UniRef90_D9WUX8
UniRef90_UPI00035E6790
UniRef90_X0QPB1
UniRef90_H8GZC4
UniRef90_I3CFS3
UniRef90_E4U8Z8
UniRef90_D9WT51
UniRef90_UPI00035ED67B
UniRef90_UPI00046675B0
UniRef90_Q2BJL5
UniRef90_E8U4E1
UniRef90_D6M500
UniRef90_H0TZT3
UniRef90_UPI000375390B
UniRef90_B5EMS2
UniRef90_L8XXY8
UniRef90_Q3JB22
UniRef90_L8N006
UniRef90_W0TQN2
UniRef90_H8I9C7
UniRef90_F6D7Y0
UniRef90_D6X618
UniRef90_B3E0Z3
UniRef90_G2DID4
UniRef90_B8FAW6
UniRef90_B5YE96
UniRef90_H2JRK6
UniRef90_X1HGY3
UniRef90_UPI00037DAE19
UniRef90_D3PR31
UniRef90_B7R4J5
UniRef90_X1I3Q8
UniRef90_M3CAQ6
UniRef90_UPI0003743A2B
UniRef90_A5V062
UniRef90_D3D8B8
UniRef90_O26695
UniRef90_E4U6E7
UniRef90_UPI0003B606FE
UniRef90_A0A010ZS87
UniRef90_UPI00036EF54D
UniRef90_I3BU79
UniRef90_E8N075
UniRef90_UPI00035D338E
UniRef90_K9WAH1
UniRef90_S3XPC6
UniRef90_UPI00036C488D
UniRef90_Q9RSE4
UniRef90_D6GW20
UniRef90_X1F1A3
UniRef90_X1IDU6
UniRef90_F6D7X7
UniRef90_U6EB45
UniRef90_UPI0003651519

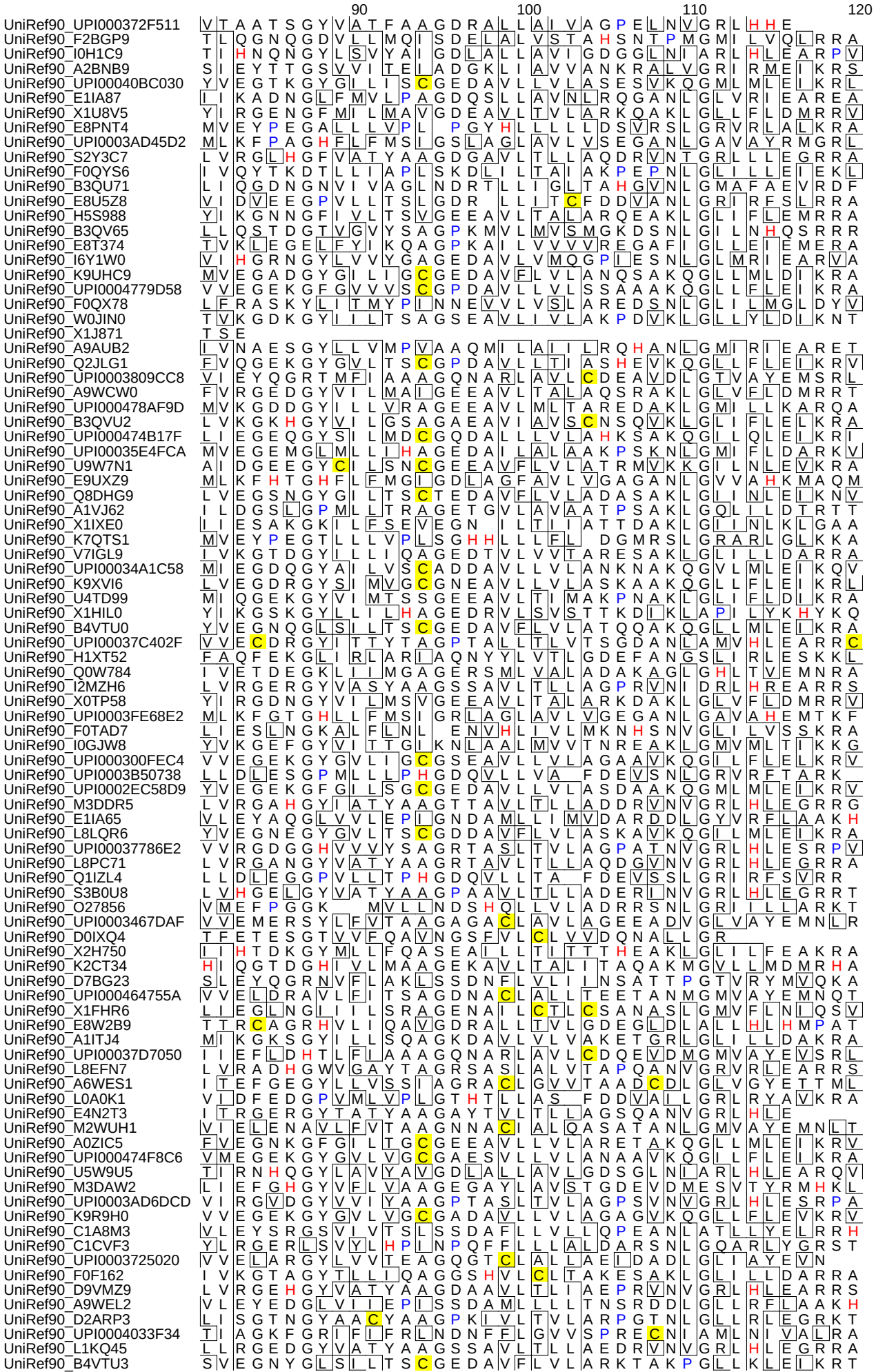

50
60
70
80
UniRef90_G0EH72
UniRef90_D1YWU5
UniRef90_F2KQ29
UniRef90_A9WGJ6
UniRef90_J1REJ8
UniRef90_O28772
UniRef90_UPI0003686AA1
UniRef90_O67700
UniRef90_A0LUI7
UniRef90_S5VHL6
UniRef90_D6TLB0
UniRef90_A8AB07
UniRef90_C0QS51
UniRef90_A8V1J1
UniRef90_E6WUI0
UniRef90_K2R393
UniRef90_D3DGT2
UniRef90_G2P3Z8
UniRef90_D6TI33
UniRef90_UPI0003B6E606
UniRef90_B2V5J7
UniRef90_T0L8W6
UniRef90_X1RVX2
UniRef90_Q9RWQ0
UniRef90_B3QWP2
UniRef90_F0RPG1
UniRef90_K4RA57
UniRef90_V6K5U6
UniRef90_UPI00036CB62F
UniRef90_UPI0003C77A5B
UniRef90_D7C0M7
UniRef90_D9T7G5
UniRef90_F4F2X7
UniRef90_A9AXD5
UniRef90_F2NNZ8
UniRef90_A8USR5
UniRef90_I0GK83
UniRef90_A2BJ86
UniRef90_D9WUX8
UniRef90_UPI00035E6790
UniRef90_X0QPB1
UniRef90_H8GZC4
UniRef90_I3CFS3
UniRef90_E4U8Z8
UniRef90_D9WT51
UniRef90_UPI00035ED67B
UniRef90_UPI00046675B0
UniRef90_Q2BJL5
UniRef90_E8U4E1
UniRef90_D6M500
UniRef90_H0TZT3
UniRef90_UPI000375390B
UniRef90_B5EMS2
UniRef90_L8XXY8
UniRef90_Q3JB22
UniRef90_L8N006
UniRef90_W0TQN2
UniRef90_H8I9C7
UniRef90_F6D7Y0
UniRef90_D6X618
UniRef90_B3E0Z3
UniRef90_G2DID4
UniRef90_B8FAW6
UniRef90_B5YE96
UniRef90_H2JRK6
UniRef90_X1HGY3
UniRef90_UPI00037DAE19
UniRef90_D3PR31
UniRef90_B7R4J5
UniRef90_X1I3Q8
UniRef90_M3CAQ6
UniRef90_UPI0003743A2B
UniRef90_A5V062
UniRef90_D3D8B8
UniRef90_O26695
UniRef90_E4U6E7
UniRef90_UPI0003B606FE
UniRef90_A0A010ZS87
UniRef90_UPI00036EF54D
UniRef90_I3BU79
UniRef90_E8N075
UniRef90_UPI00035D338E
UniRef90_K9WAH1
UniRef90_S3XPC6
UniRef90_UPI00036C488D
UniRef90_Q9RSE4
UniRef90_D6GW20
UniRef90_X1F1A3
UniRef90_X1IDU6
UniRef90_F6D7X7
UniRef90_U6EB45
UniRef90_UPI0003651519

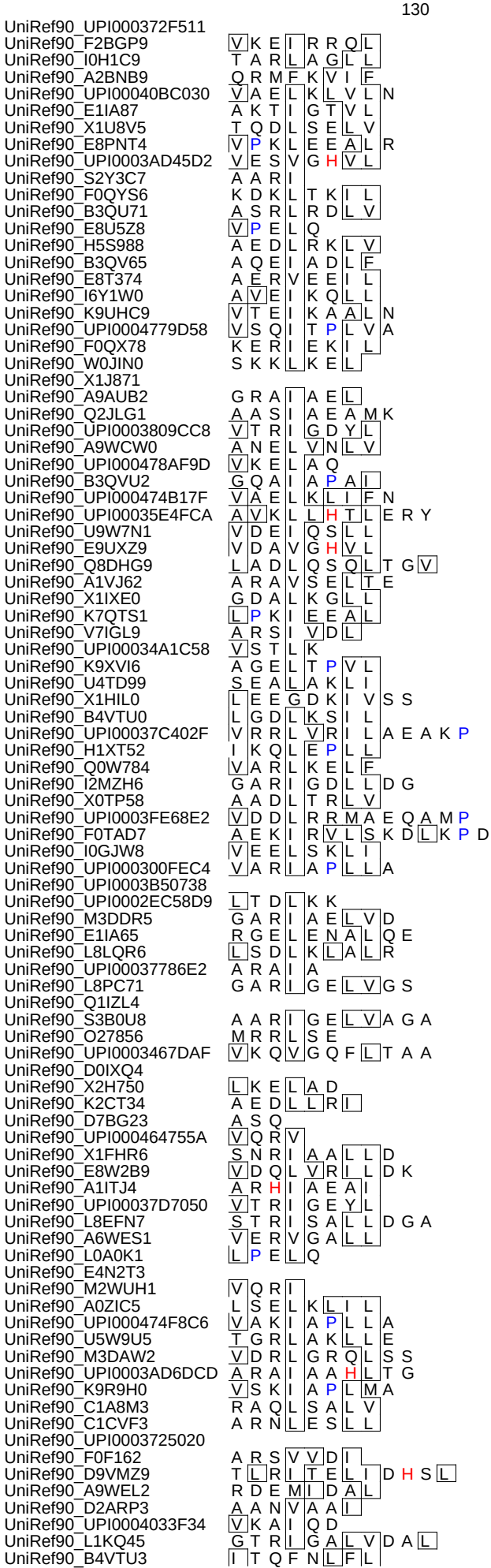

90
100
110
120
UniRef90_G0EH72
UniRef90_D1YWU5
UniRef90_F2KQ29
UniRef90_A9WGJ6
UniRef90_J1REJ8
UniRef90_O28772
UniRef90_UPI0003686AA1
UniRef90_O67700
UniRef90_A0LUI7
UniRef90_S5VHL6
UniRef90_D6TLB0
UniRef90_A8AB07
UniRef90_C0QS51
UniRef90_A8V1J1
UniRef90_E6WUI0
UniRef90_K2R393
UniRef90_D3DGT2
UniRef90_G2P3Z8
UniRef90_D6TI33
UniRef90_UPI0003B6E606
UniRef90_B2V5J7
UniRef90_T0L8W6
UniRef90_X1RVX2
UniRef90_Q9RWQ0
UniRef90_B3QWP2
UniRef90_F0RPG1
UniRef90_K4RA57
UniRef90_V6K5U6
UniRef90_UPI00036CB62F
UniRef90_UPI0003C77A5B
UniRef90_D7C0M7
UniRef90_D9T7G5
UniRef90_F4F2X7
UniRef90_A9AXD5
UniRef90_F2NNZ8
UniRef90_A8USR5
UniRef90_I0GK83
UniRef90_A2BJ86
UniRef90_D9WUX8
UniRef90_UPI00035E6790
UniRef90_X0QPB1
UniRef90_H8GZC4
UniRef90_I3CFS3
UniRef90_E4U8Z8
UniRef90_D9WT51
UniRef90_UPI00035ED67B
UniRef90_UPI00046675B0
UniRef90_Q2BJL5
UniRef90_E8U4E1
UniRef90_D6M500
UniRef90_H0TZT3
UniRef90_UPI000375390B
UniRef90_B5EMS2
UniRef90_L8XXY8
UniRef90_Q3JB22
UniRef90_L8N006
UniRef90_W0TQN2
UniRef90_H8I9C7
UniRef90_F6D7Y0
UniRef90_D6X618
UniRef90_B3E0Z3
UniRef90_G2DID4
UniRef90_B8FAW6
UniRef90_B5YE96
UniRef90_H2JRK6
UniRef90_X1HGY3
UniRef90_UPI00037DAE19
UniRef90_D3PR31
UniRef90_B7R4J5
UniRef90_X1I3Q8
UniRef90_M3CAQ6
UniRef90_UPI0003743A2B
UniRef90_A5V062
UniRef90_D3D8B8
UniRef90_O26695
UniRef90_E4U6E7
UniRef90_UPI0003B606FE
UniRef90_A0A010ZS87
UniRef90_UPI00036EF54D
UniRef90_I3BU79
UniRef90_E8N075
UniRef90_UPI00035D338E
UniRef90_K9WAH1
UniRef90_S3XPC6
UniRef90_UPI00036C488D
UniRef90_Q9RSE4
UniRef90_D6GW20
UniRef90_X1F1A3
UniRef90_X1IDU6
UniRef90_F6D7X7
UniRef90_U6EB45
UniRef90_UPI0003651519

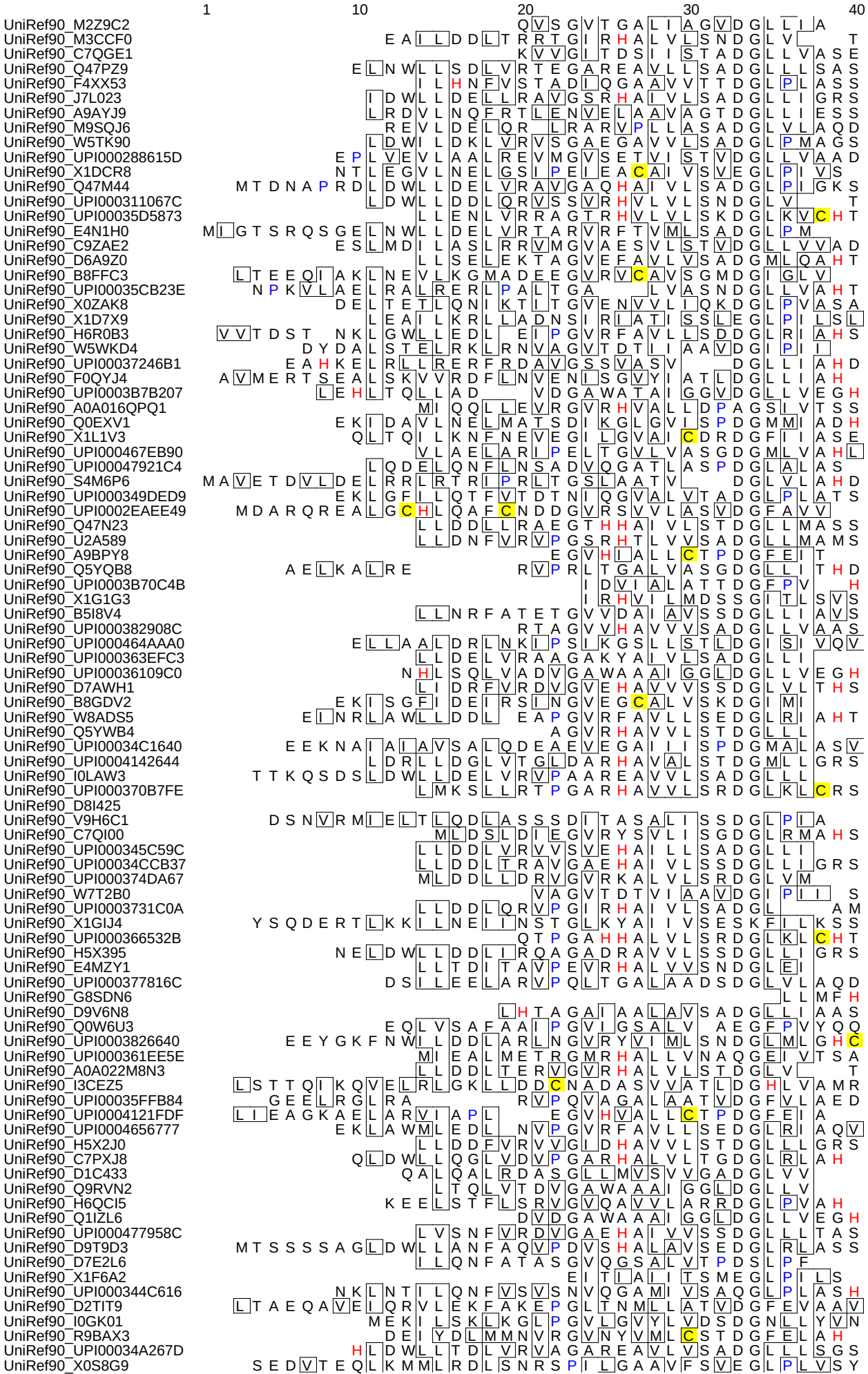
```
UniRef90_G0EH72           A P R I K A A L
UniRef90_D1YWU5           K E R I T A A L R
UniRef90_F2KQ29           S E K V K E L L K G
UniRef90_A9WGJ6
UniRef90_J1REJ8           A E R I G A L V D
UniRef90_O28772           V E K I T A M V
UniRef90_UPI0003686AA1    G S R V G D L V
UniRef90_O67700           Q Q K L K E L I
UniRef90_A0LUI7           A S Q V A D V L R
UniRef90_S5VHL6           G A R I G E L L D
UniRef90_D6TLB0           R N E V L E A L D
UniRef90_A8AB07           K D R L K A A L A
UniRef90_C0QS51           A K K I E E L L
UniRef90_A8V1J1           M R K L E E I I
UniRef90_E6WUI0           A Q V L G R I V
UniRef90_K2R393           A K E V E Q I L
UniRef90_D3DGT2           Q E K L K A L I
UniRef90_G2P3Z8           G A R L A D L V G V A L S
UniRef90_D6TI33           C A Q L N E L V T S
UniRef90_UPI0003B6E606    A E K I Q K A F
UniRef90_B2V5J7           I K K L E Q E L
UniRef90_T0L8W6           A A K L K
UniRef90_X1RVX2           C E K I A Q L I
UniRef90_Q9RWQ0           A Q A V A S V L
UniRef90_B3QWP2           M P E I Q K Q L E
UniRef90_F0RPG1           A G R V A A I L
UniRef90_K4RA57           A V R I G E L V D E A
UniRef90_V6K5U6           G A R I G E L V D A A L E
UniRef90_UPI00036CB62F    G A R I G D L V D G A L E
UniRef90_UPI0003C77A5B    G A R I A E L V D G A L E
UniRef90_D7C0M7           S S R I G E L V Q A A V
UniRef90_D9T7G5           A A R L A E L L D G V S P
UniRef90_F4F2X7           A D R L A T L L A P A V
UniRef90_A9AXD5           A K N I S K A V
UniRef90_F2NNZ8           V P R L R E V L
UniRef90_A8USR5           Q D Q L K E A I
UniRef90_I0GK83           V K E I E K M L E E
UniRef90_A2BJ86           A E S I R
UniRef90_D9WUX8           G A R V A E L V G D A L
UniRef90_UPI00035E6790    G S R I G E L I D R A L
UniRef90_X0QPB1           S E A L A K L I
UniRef90_H8GZC4
UniRef90_I3CFS3           A A S I S K I
UniRef90_E4U8Z8           R A R L Q E A L A
UniRef90_D9WT51           S S R I S E L L
UniRef90_UPI00035ED67B    A R S V E E I L
UniRef90_UPI00046675B0    A S Q V A Q M L E R
UniRef90_Q2BJL5           A E A I G K I L
UniRef90_E8U4E1           A Q A V A S I L
UniRef90_D6M500           A G R I G E L V D A T L E
UniRef90_H0TZT3           V R S L Q K V L
UniRef90_UPI000375390B    A Q A L Q Q I L
UniRef90_B5EMS2           A A G I A E L L
UniRef90_L8XXY8           S E A I K P M L
UniRef90_Q3JB22           A E S I A S M I
UniRef90_L8N006           T T E L K A A L A
UniRef90_W0TQN2           A E Q L S K L L
UniRef90_H8I9C7           V K R I K D L
UniRef90_F6D7Y0           V K N L Q S L
UniRef90_D6X618           G A R I G A L V D A A L E
UniRef90_B3E0Z3           A N K I A V I L S R
UniRef90_G2DID4           S R H I A D I L
UniRef90_B8FAW6           A E Q V E N I L
UniRef90_B5YE96           A F Q L A R L I
UniRef90_H2JRK6           G A R I G E L L D A A E A
UniRef90_X1HGY3           C E K I A K S F N E
UniRef90_UPI00037DAE19    G A R I G E L V
UniRef90_D3PR31           I P R L Q E A L
UniRef90_B7R4J5           L P K L E E M L
UniRef90_X1I3Q8
UniRef90_M3CAQ6           C P R L G A L I D G A L
UniRef90_UPI0003743A2B    A E R V G A L V D E
UniRef90_A5V062           A R S I G Q I L T M V Y S
UniRef90_D3D8B8           S T E I S K L L
UniRef90_O26695           A A Q V D E I L R E M
UniRef90_E4U6E7           A T R L A Q V L
UniRef90_UPI0003B606FE    A Q S I A E I L
UniRef90_A0A010ZS87       A D R V G A L V D A A
UniRef90_UPI00036EF54D    G A R I G E L V D
UniRef90_I3BU79           A E N I A K I I
UniRef90_E8N075           A E D L T K L I
UniRef90_UPI00035D338E
UniRef90_K9WAH1           L T E L M L I L
UniRef90_S3XPC6           A V E I K R I L
UniRef90_UPI00036C488D    A Q S V A N I L
UniRef90_Q9RSE4           A R T V A L V L
UniRef90_D6GW20           S D E I A T V M K Q S
UniRef90_X1F1A3           G P L I G E I L G R Y L
UniRef90_X1IDU6           C E K I A Q L I
UniRef90_F6D7X7           S T S I A K A M E
UniRef90_U6EB45           A Q E V S Q V M G E S K
UniRef90_UPI0003651519    V E E L G K V L A A D V S H
```

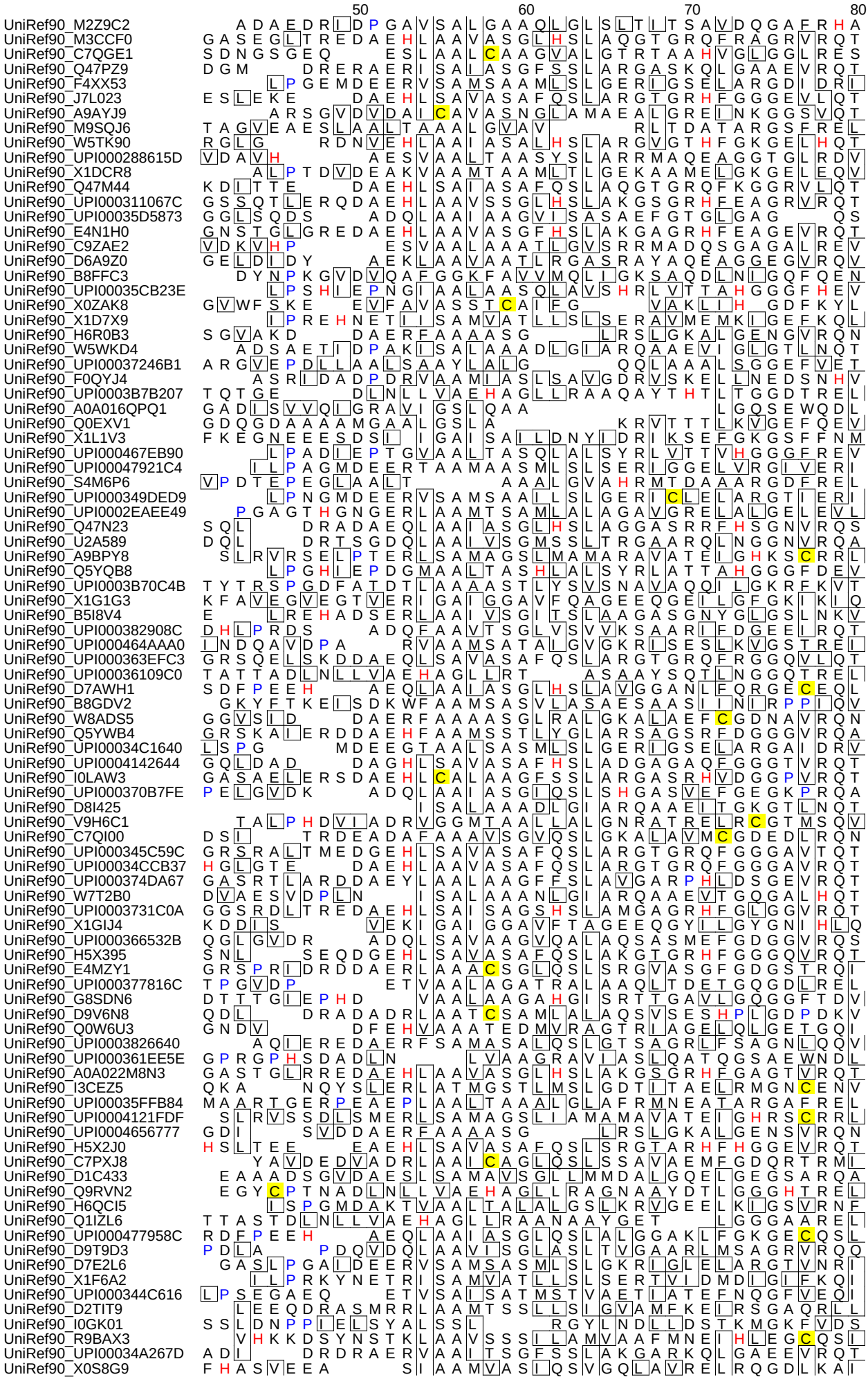

1
10
20
30
40
UniRef90_UPI000372F511
UniRef90_F2BGP9
UniRef90_I0H1C9
UniRef90_A2BNB9
UniRef90_UPI00040BC030
UniRef90_E1IA87
UniRef90_X1U8V5
UniRef90_E8PNT4
UniRef90_UPI0003AD45D2
UniRef90_S2Y3C7
UniRef90_F0QYS6
UniRef90_B3QU71
UniRef90_E8U5Z8
UniRef90_H5S988
UniRef90_B3QV65
UniRef90_E8T374
UniRef90_I6Y1W0
UniRef90_K9UHC9
UniRef90_UPI0004779D58
UniRef90_F0QX78
UniRef90_W0JIN0
UniRef90_X1J871
UniRef90_A9AUB2
UniRef90_Q2JLG1
UniRef90_UPI0003809CC8
UniRef90_A9WCW0
UniRef90_UPI000478AF9D
UniRef90_B3QVU2
UniRef90_UPI000474B17F
UniRef90_UPI00035E4FCA
UniRef90_U9W7N1
UniRef90_E9UXZ9
UniRef90_Q8DHG9
UniRef90_A1VJ62
UniRef90_X1IXE0
UniRef90_K7QTS1
UniRef90_V7IGL9
UniRef90_UPI00034A1C58
UniRef90_K9XVI6
UniRef90_U4TD99
UniRef90_X1HIL0
UniRef90_B4VTU0
UniRef90_UPI00037C402F
UniRef90_H1XT52
UniRef90_Q0W784
UniRef90_I2MZH6
UniRef90_X0TP58
UniRef90_UPI0003FE68E2
UniRef90_F0TAD7
UniRef90_I0GJW8
UniRef90_UPI000300FEC4
UniRef90_UPI0003B50738
UniRef90_UPI0002EC58D9
UniRef90_M3DDR5
UniRef90_E1IA65
UniRef90_L8LQR6
UniRef90_UPI00037786E2
UniRef90_L8PC71
UniRef90_Q1IZL4
UniRef90_S3B0U8
UniRef90_O27856
UniRef90_UPI0003467DAF
UniRef90_D0IXQ4
UniRef90_X2H750
UniRef90_K2CT34
UniRef90_D7BG23
UniRef90_UPI000464755A
UniRef90_X1FHR6
UniRef90_E8W2B9
UniRef90_A1ITJ4
UniRef90_UPI00037D7050
UniRef90_L8EFN7
UniRef90_A6WES1
UniRef90_L0A0K1
UniRef90_E4N2T3
UniRef90_M2WUH1
UniRef90_A0ZIC5
UniRef90_UPI000474F8C6
UniRef90_U5W9U5
UniRef90_M3DAW2
UniRef90_UPI0003AD6DCD
UniRef90_K9R9H0
UniRef90_C1A8M3
UniRef90_C1CVF3
UniRef90_UPI0003725020
UniRef90_F0F162
UniRef90_D9VMZ9
UniRef90_A9WEL2
UniRef90_D2ARP3
UniRef90_UPI0004033F34
UniRef90_L1KQ45
UniRef90_B4VTU3

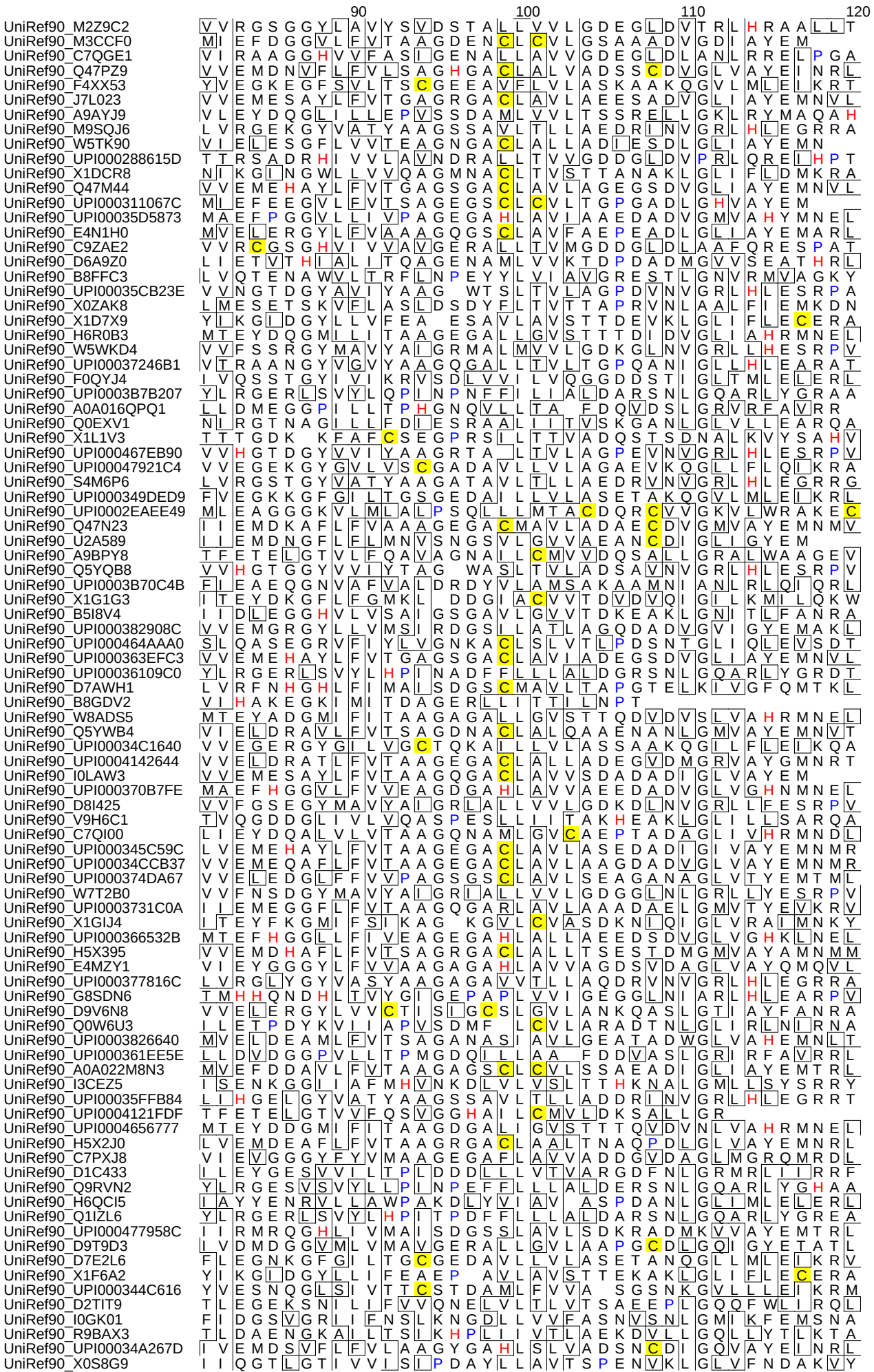

50
60
70
80
UniRef90_UPI000372F511
UniRef90_F2BGP9
UniRef90_I0H1C9
UniRef90_A2BNB9
UniRef90_UPI00040BC030
UniRef90_E1IA87
UniRef90_X1U8V5
UniRef90_E8PNT4
UniRef90_UPI0003AD45D2
UniRef90_S2Y3C7
UniRef90_F0QYS6
UniRef90_B3QU71
UniRef90_E8U5Z8
UniRef90_H5S988
UniRef90_B3QV65
UniRef90_E8T374
UniRef90_I6Y1W0
UniRef90_K9UHC9
UniRef90_UPI0004779D58
UniRef90_F0QX78
UniRef90_W0JIN0
UniRef90_X1J871
UniRef90_A9AUB2
UniRef90_Q2JLG1
UniRef90_UPI0003809CC8
UniRef90_A9WCW0
UniRef90_UPI000478AF9D
UniRef90_B3QVU2
UniRef90_UPI000474B17F
UniRef90_UPI00035E4FCA
UniRef90_U9W7N1
UniRef90_E9UXZ9
UniRef90_Q8DHG9
UniRef90_A1VJ62
UniRef90_X1IXE0
UniRef90_K7QTS1
UniRef90_V7IGL9
UniRef90_UPI00034A1C58
UniRef90_K9XVI6
UniRef90_U4TD99
UniRef90_X1HIL0
UniRef90_B4VTU0
UniRef90_UPI00037C402F
UniRef90_H1XT52
UniRef90_Q0W784
UniRef90_I2MZH6
UniRef90_X0TP58
UniRef90_UPI0003FE68E2
UniRef90_F0TAD7
UniRef90_I0GJW8
UniRef90_UPI000300FEC4
UniRef90_UPI0003B50738
UniRef90_UPI0002EC58D9
UniRef90_M3DDR5
UniRef90_E1IA65
UniRef90_L8LQR6
UniRef90_UPI00037786E2
UniRef90_L8PC71
UniRef90_Q1IZL4
UniRef90_S3B0U8
UniRef90_O27856
UniRef90_UPI0003467DAF
UniRef90_D0IXQ4
UniRef90_X2H750
UniRef90_K2CT34
UniRef90_D7BG23
UniRef90_UPI000464755A
UniRef90_X1FHR6
UniRef90_E8W2B9
UniRef90_A1ITJ4
UniRef90_UPI00037D7050
UniRef90_L8EFN7
UniRef90_A6WES1
UniRef90_L0A0K1
UniRef90_E4N2T3
UniRef90_M2WUH1
UniRef90_A0ZIC5
UniRef90_UPI000474F8C6
UniRef90_U5W9U5
UniRef90_M3DAW2
UniRef90_UPI0003AD6DCD
UniRef90_K9R9H0
UniRef90_C1A8M3
UniRef90_C1CVF3
UniRef90_UPI0003725020
UniRef90_F0F162
UniRef90_D9VMZ9
UniRef90_A9WEL2
UniRef90_D2ARP3
UniRef90_UPI0004033F34
UniRef90_L1KQ45
UniRef90_B4VTU3

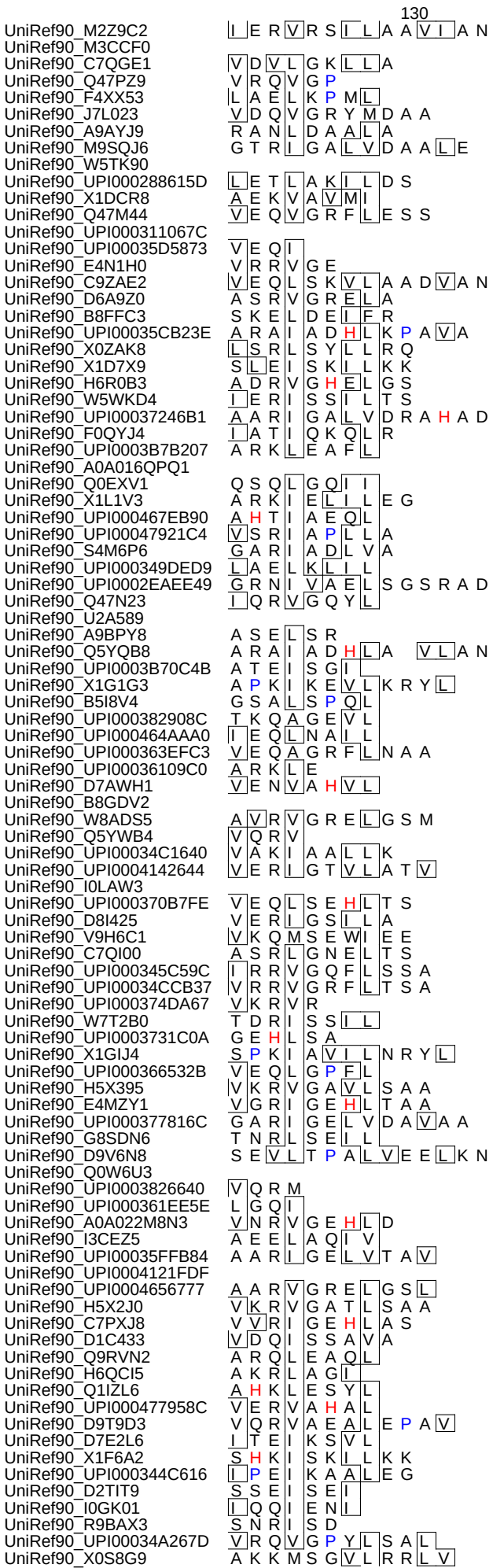

90
100
110
120
UniRef90_UPI000372F511
UniRef90_F2BGP9
UniRef90_I0H1C9
UniRef90_A2BNB9
UniRef90_UPI00040BC030
UniRef90_E1IA87
UniRef90_X1U8V5
UniRef90_E8PNT4
UniRef90_UPI0003AD45D2
UniRef90_S2Y3C7
UniRef90_F0QYS6
UniRef90_B3QU71
UniRef90_E8U5Z8
UniRef90_H5S988
UniRef90_B3QV65
UniRef90_E8T374
UniRef90_I6Y1W0
UniRef90_K9UHC9
UniRef90_UPI0004779D58
UniRef90_F0QX78
UniRef90_W0JIN0
UniRef90_X1J871
UniRef90_A9AUB2
UniRef90_Q2JLG1
UniRef90_UPI0003809CC8
UniRef90_A9WCW0
UniRef90_UPI000478AF9D
UniRef90_B3QVU2
UniRef90_UPI000474B17F
UniRef90_UPI00035E4FCA
UniRef90_U9W7N1
UniRef90_E9UXZ9
UniRef90_Q8DHG9
UniRef90_A1VJ62
UniRef90_X1IXE0
UniRef90_K7QTS1
UniRef90_V7IGL9
UniRef90_UPI00034A1C58
UniRef90_K9XVI6
UniRef90_U4TD99
UniRef90_X1HIL0
UniRef90_B4VTU0
UniRef90_UPI00037C402F
UniRef90_H1XT52
UniRef90_Q0W784
UniRef90_I2MZH6
UniRef90_X0TP58
UniRef90_UPI0003FE68E2
UniRef90_F0TAD7
UniRef90_I0GJW8
UniRef90_UPI000300FEC4
UniRef90_UPI0003B50738
UniRef90_UPI0002EC58D9
UniRef90_M3DDR5
UniRef90_E1IA65
UniRef90_L8LQR6
UniRef90_UPI00037786E2
UniRef90_L8PC71
UniRef90_Q1IZL4
UniRef90_S3B0U8
UniRef90_O27856
UniRef90_UPI0003467DAF
UniRef90_D0IXQ4
UniRef90_X2H750
UniRef90_K2CT34
UniRef90_D7BG23
UniRef90_UPI000464755A
UniRef90_X1FHR6
UniRef90_E8W2B9
UniRef90_A1ITJ4
UniRef90_UPI00037D7050
UniRef90_L8EFN7
UniRef90_A6WES1
UniRef90_L0A0K1
UniRef90_E4N2T3
UniRef90_M2WUH1
UniRef90_A0ZIC5
UniRef90_UPI000474F8C6
UniRef90_U5W9U5
UniRef90_M3DAW2
UniRef90_UPI0003AD6DCD
UniRef90_K9R9H0
UniRef90_C1A8M3
UniRef90_C1CVF3
UniRef90_UPI0003725020
UniRef90_F0F162
UniRef90_D9VMZ9
UniRef90_A9WEL2
UniRef90_D2ARP3
UniRef90_UPI0004033F34
UniRef90_L1KQ45
UniRef90_B4VTU3

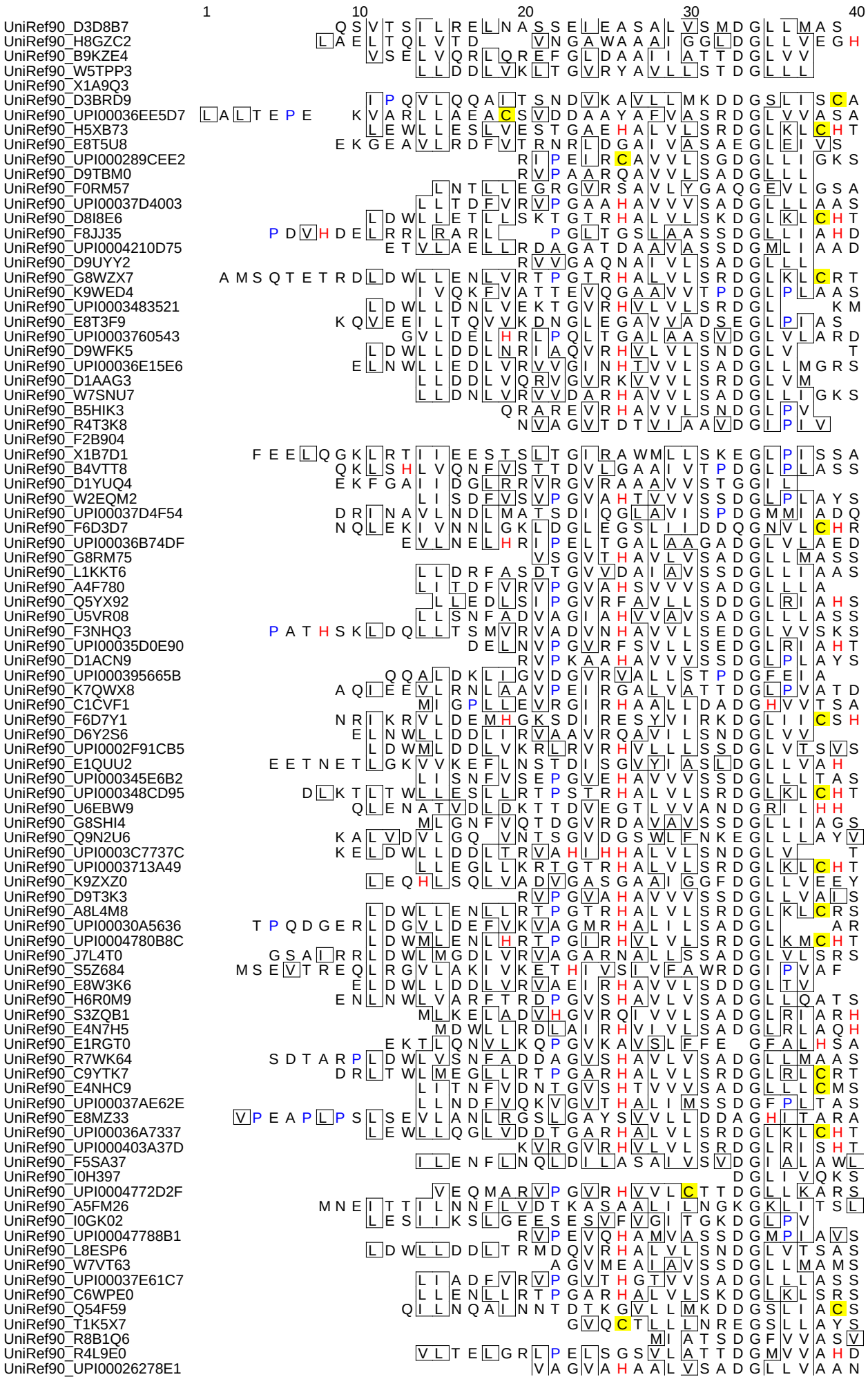

UniRef90_UPI000372F511
UniRef90_F2BGP9 V K E I R R Q L
UniRef90_I0H1C9 T A R L A G L L
UniRef90_A2BNB9 Q R M F K V I F
UniRef90_UPI00040BC030 V A E L K L V L N
UniRef90_E1IA87 A K T I G T V L
UniRef90_X1U8V5 T Q D L S E L V
UniRef90_E8PNT4 V P K L E E A L R
UniRef90_UPI0003AD45D2 V E S V G H V L
UniRef90_S2Y3C7 A A R I
UniRef90_F0QYS6 K D K L T K I L
UniRef90_B3QU71 A S R L R D L V
UniRef90_E8U5Z8 V P E L Q
UniRef90_H5S988 A E D L R K L V
UniRef90_B3QV65 A Q E I A D L F
UniRef90_E8T374 A E R V E E I L
UniRef90_I6Y1W0 A V E I K Q L L
UniRef90_K9UHC9 V T E I K A A L N
UniRef90_UPI0004779D58 V S Q I T P L V A
UniRef90_F0QX78 K E R I E K I L
UniRef90_W0JIN0 S K K L K E L
UniRef90_X1J871
UniRef90_A9AUB2 G R A I A E L
UniRef90_Q2JLG1 A A S I A E A M K
UniRef90_UPI0003809CC8 V T R I G D Y L
UniRef90_A9WCW0 A N E L V N L V
UniRef90_UPI000478AF9D V K E L A Q
UniRef90_B3QVU2 G Q A I A P A I
UniRef90_UPI000474B17F V A E L K L I F N
UniRef90_UPI00035E4FCA A V K L L H T L E R Y
UniRef90_U9W7N1 V D E I Q S L L
UniRef90_E9UXZ9 V D A V G H V L
UniRef90_Q8DHG9 L A D L Q S Q L T G V
UniRef90_A1VJ62 A R A V S E L T E
UniRef90_X1IXE0 G D A L K G L L
UniRef90_K7QTS1 L P K I E E A L
UniRef90_V7IGL9 A R S I V D L
UniRef90_UPI00034A1C58 V S T L K
UniRef90_K9XVI6 A G E L T P V L
UniRef90_U4TD99 S E A L A K L I
UniRef90_X1HIL0 L E E G D K I V S S
UniRef90_B4VTU0 L G D L K S I L
UniRef90_UPI00037C402F V R R L V R I L A E A K P
UniRef90_H1XT52 I K Q L E P L L
UniRef90_Q0W784 V A R L K E L F
UniRef90_I2MZH6 G A R I G D L L D G
UniRef90_X0TP58 A A D L T R L V
UniRef90_UPI0003FE68E2 V D D L R R M A E Q A M P
UniRef90_F0TAD7 A E K I R V L S K D L K P D
UniRef90_I0GJW8 V E E L S K L I
UniRef90_UPI000300FEC4 V A R I A P L L A
UniRef90_UPI0003B50738
UniRef90_UPI0002EC58D9 L T D L K K
UniRef90_M3DDR5 G A R I A E L V D
UniRef90_E1IA65 R G E L E N A L Q E
UniRef90_L8LQR6 L S D L K L A L R
UniRef90_UPI00037786E2 A R A I A
UniRef90_L8PC71 G A R I G E L V G S
UniRef90_Q1IZL4
UniRef90_S3B0U8 A A R I G E L V A G A
UniRef90_O27856 M R R L S E
UniRef90_UPI0003467DAF V K Q V G Q F L T A A
UniRef90_D0IXQ4
UniRef90_X2H750 L K E L A D
UniRef90_K2CT34 A E D L L R I
UniRef90_D7BG23 A S Q
UniRef90_UPI000464755A V Q R V
UniRef90_X1FHR6 S N R I A A L L D
UniRef90_E8W2B9 V D Q L V R I L D K
UniRef90_A1ITJ4 A R H I A E A I
UniRef90_UPI00037D7050 V T R I G E Y L
UniRef90_L8EFN7 S T R I S A L L D G A
UniRef90_A6WES1 V E R V G A L L
UniRef90_L0A0K1 L P E L Q
UniRef90_E4N2T3
UniRef90_M2WUH1 V Q R I
UniRef90_A0ZIC5 L S E L K L I L
UniRef90_UPI000474F8C6 V A K I A P L L A
UniRef90_U5W9U5 T G R L A K L L E
UniRef90_M3DAW2 V D R L G R Q L S S
UniRef90_UPI0003AD6DCD A R A I A A H L T G
UniRef90_K9R9H0 V S K I A P L M A
UniRef90_C1A8M3 R A Q L S A L V
UniRef90_C1CVF3 A R N L E S L L
UniRef90_UPI0003725020
UniRef90_F0F162 A R S V V D I
UniRef90_D9VMZ9 T L R I T E L I D H S L
UniRef90_A9WEL2 R D E M I D A L
UniRef90_D2ARP3 A A N V A A I
UniRef90_UPI0004033F34 V K A I Q D
UniRef90_L1KQ45 G T R I G A L V D A L
UniRef90_B4VTU3 I T Q F N L F L

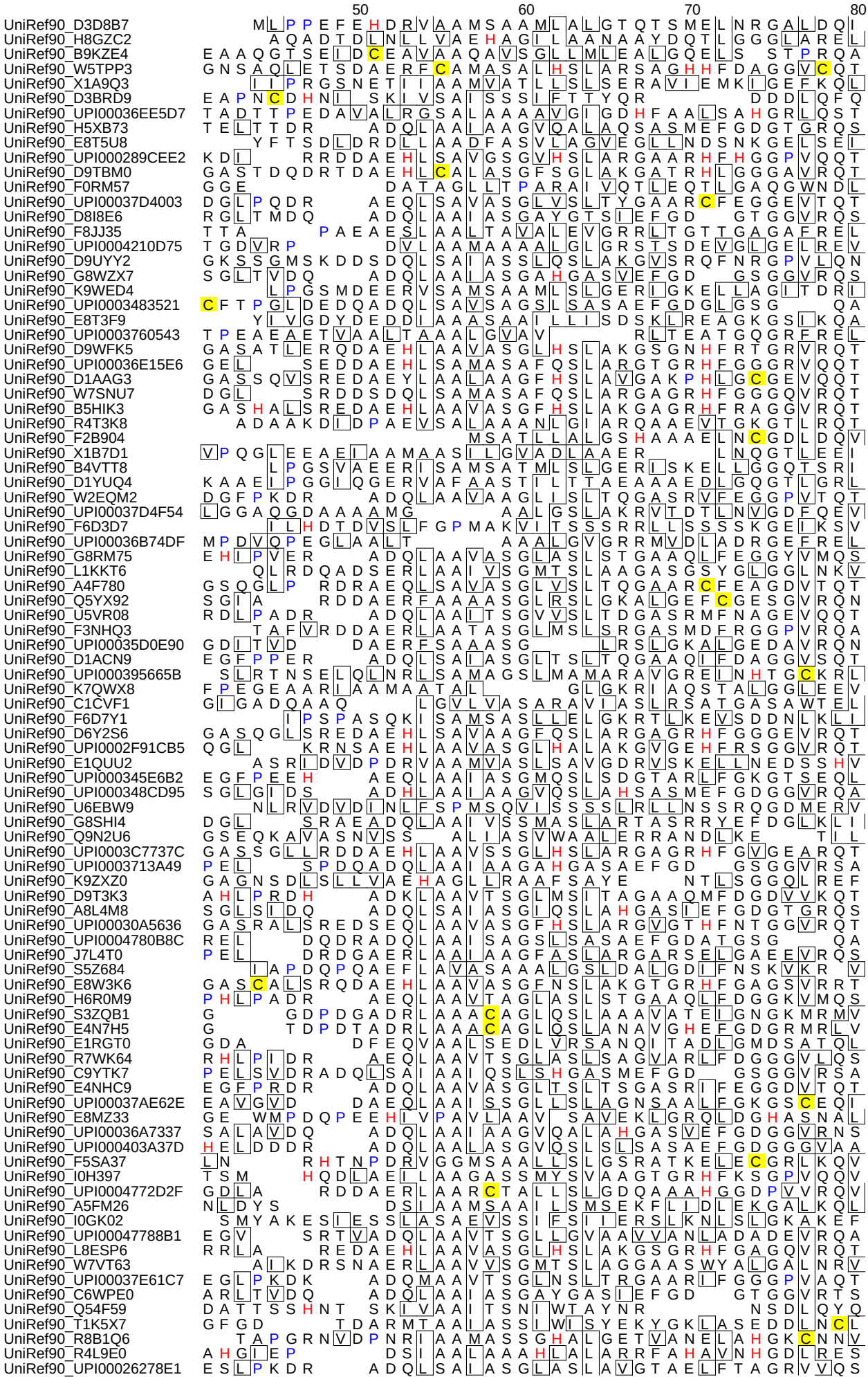

1
10
20
30
40
UniRef90_M2Z9C2
UniRef90_M3CCF0
UniRef90_C7QGE1
UniRef90_Q47PZ9
UniRef90_F4XX53
UniRef90_J7L023
UniRef90_A9AYJ9
UniRef90_M9SQJ6
UniRef90_W5TK90
UniRef90_UPI000288615D
UniRef90_X1DCR8
UniRef90_Q47M44
UniRef90_UPI000311067C
UniRef90_UPI00035D5873
UniRef90_E4N1H0
UniRef90_C9ZAE2
UniRef90_D6A9Z0
UniRef90_B8FFC3
UniRef90_UPI00035CB23E
UniRef90_X0ZAK8
UniRef90_X1D7X9
UniRef90_H6R0B3
UniRef90_W5WKD4
UniRef90_UPI00037246B1
UniRef90_F0QYJ4
UniRef90_UPI0003B7B207
UniRef90_A0A016QPQ1
UniRef90_Q0EXV1
UniRef90_X1L1V3
UniRef90_UPI000467EB90
UniRef90_UPI00047921C4
UniRef90_S4M6P6
UniRef90_UPI000349DED9
UniRef90_UPI0002EAEE49
UniRef90_Q47N23
UniRef90_U2A589
UniRef90_A9BPY8
UniRef90_Q5YQB8
UniRef90_UPI0003B70C4B
UniRef90_X1G1G3
UniRef90_B5I8V4
UniRef90_UPI000382908C
UniRef90_UPI000464AAA0
UniRef90_UPI000363EFC3
UniRef90_UPI00036109C0
UniRef90_D7AWH1
UniRef90_B8GDV2
UniRef90_W8ADS5
UniRef90_Q5YWB4
UniRef90_UPI00034C1640
UniRef90_UPI0004142644
UniRef90_I0LAW3
UniRef90_UPI000370B7FE
UniRef90_D8I425
UniRef90_V9H6C1
UniRef90_C7QI00
UniRef90_UPI000345C59C
UniRef90_UPI00034CCB37
UniRef90_UPI000374DA67
UniRef90_W7T2B0
UniRef90_UPI0003731C0A
UniRef90_X1GIJ4
UniRef90_UPI000366532B
UniRef90_H5X395
UniRef90_E4MZY1
UniRef90_UPI000377816C
UniRef90_G8SDN6
UniRef90_D9V6N8
UniRef90_Q0W6U3
UniRef90_UPI0003826640
UniRef90_UPI000361EE5E
UniRef90_A0A022M8N3
UniRef90_I3CEZ5
UniRef90_UPI00035FFB84
UniRef90_UPI0004121FDF
UniRef90_UPI0004656777
UniRef90_H5X2J0
UniRef90_C7PXJ8
UniRef90_D1C433
UniRef90_Q9RVN2
UniRef90_H6QCI5
UniRef90_Q1IZL6
UniRef90_UPI000477958C
UniRef90_D9T9D3
UniRef90_D7E2L6
UniRef90_X1F6A2
UniRef90_UPI000344C616
UniRef90_D2TIT9
UniRef90_I0GK01
UniRef90_R9BAX3
UniRef90_UPI00034A267D
UniRef90_X0S8G9

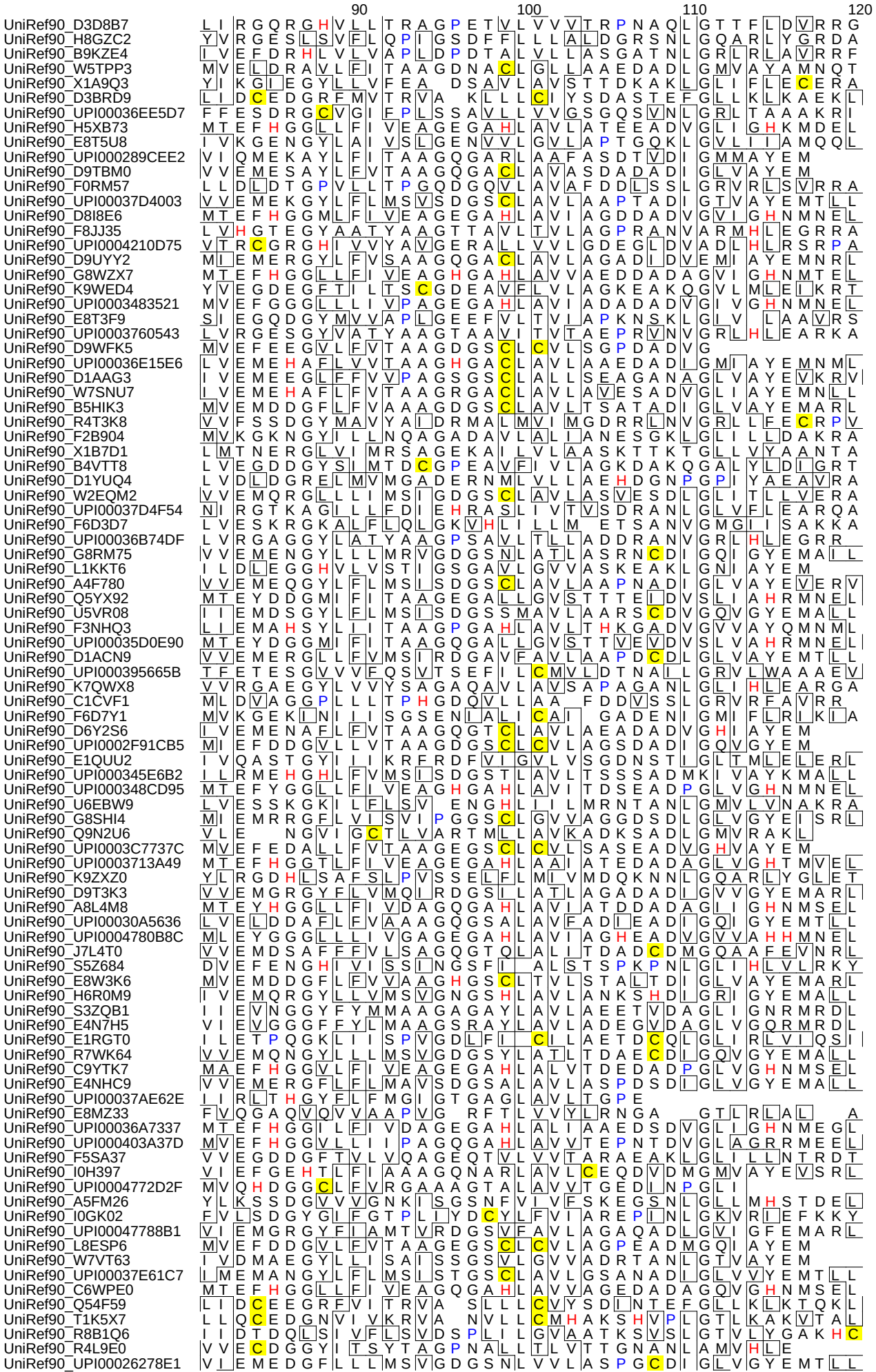

50
60
70
80
UniRef90_M2Z9C2
UniRef90_M3CCF0
UniRef90_C7QGE1
UniRef90_Q47PZ9
UniRef90_F4XX53
UniRef90_J7L023
UniRef90_A9AYJ9
UniRef90_M9SQJ6
UniRef90_W5TK90
UniRef90_UPI000288615D
UniRef90_X1DCR8
UniRef90_Q47M44
UniRef90_UPI000311067C
UniRef90_UPI00035D5873
UniRef90_E4N1H0
UniRef90_C9ZAE2
UniRef90_D6A9Z0
UniRef90_B8FFC3
UniRef90_UPI00035CB23E
UniRef90_X0ZAK8
UniRef90_X1D7X9
UniRef90_H6R0B3
UniRef90_W5WKD4
UniRef90_UPI00037246B1
UniRef90_F0QYJ4
UniRef90_UPI0003B7B207
UniRef90_A0A016QPQ1
UniRef90_Q0EXV1
UniRef90_X1L1V3
UniRef90_UPI000467EB90
UniRef90_UPI00047921C4
UniRef90_S4M6P6
UniRef90_UPI000349DED9
UniRef90_UPI0002EAEE49
UniRef90_Q47N23
UniRef90_U2A589
UniRef90_A9BPY8
UniRef90_Q5YQB8
UniRef90_UPI0003B70C4B
UniRef90_X1G1G3
UniRef90_B5I8V4
UniRef90_UPI000382908C
UniRef90_UPI000464AAA0
UniRef90_UPI000363EFC3
UniRef90_UPI00036109C0
UniRef90_D7AWH1
UniRef90_B8GDV2
UniRef90_W8ADS5
UniRef90_Q5YWB4
UniRef90_UPI00034C1640
UniRef90_UPI0004142644
UniRef90_I0LAW3
UniRef90_UPI000370B7FE
UniRef90_D8I425
UniRef90_V9H6C1
UniRef90_C7QI00
UniRef90_UPI000345C59C
UniRef90_UPI00034CCB37
UniRef90_UPI000374DA67
UniRef90_W7T2B0
UniRef90_UPI0003731C0A
UniRef90_X1GIJ4
UniRef90_UPI000366532B
UniRef90_H5X395
UniRef90_E4MZY1
UniRef90_UPI000377816C
UniRef90_G8SDN6
UniRef90_D9V6N8
UniRef90_Q0W6U3
UniRef90_UPI0003826640
UniRef90_UPI000361EE5E
UniRef90_A0A022M8N3
UniRef90_I3CEZ5
UniRef90_UPI00035FFB84
UniRef90_UPI0004121FDF
UniRef90_UPI0004656777
UniRef90_H5X2J0
UniRef90_C7PXJ8
UniRef90_D1C433
UniRef90_Q9RVN2
UniRef90_H6QCI5
UniRef90_Q1IZL6
UniRef90_UPI000477958C
UniRef90_D9T9D3
UniRef90_D7E2L6
UniRef90_X1F6A2
UniRef90_UPI000344C616
UniRef90_D2TIT7
UniRef90_I0GK01
UniRef90_R9BAX3
UniRef90_UPI00034A267D
UniRef90_X0S8G9


90
100
110
120
UniRef90_M2Z9C2
UniRef90_M3CCF0
UniRef90_C7QGE1
UniRef90_Q47PZ9
UniRef90_F4XX53
UniRef90_J7L023
UniRef90_A9AYJ9
UniRef90_M9SQJ6
UniRef90_W5TK90
UniRef90_UPI000288615D
UniRef90_X1DCR8
UniRef90_Q47M44
UniRef90_UPI000311067C
UniRef90_UPI00035D5873
UniRef90_E4N1H0
UniRef90_C9ZAE2
UniRef90_D6A9Z0
UniRef90_B8FFC3
UniRef90_UPI00035CB23E
UniRef90_X0ZAK8
UniRef90_X1D7X9
UniRef90_H6R0B3
UniRef90_W5WKD4
UniRef90_UPI00037246B1
UniRef90_F0QYJ4
UniRef90_UPI0003B7B207
UniRef90_A0A016QPQ1
UniRef90_Q0EXV1
UniRef90_X1L1V3
UniRef90_UPI000467EB90
UniRef90_UPI00047921C4
UniRef90_S4M6P6
UniRef90_UPI000349DED9
UniRef90_UPI0002EAEE49
UniRef90_Q47N23
UniRef90_U2A589
UniRef90_A9BPY8
UniRef90_Q5YQB8
UniRef90_UPI0003B70C4B
UniRef90_X1G1G3
UniRef90_B5I8V4
UniRef90_UPI000382908C
UniRef90_UPI000464AAA0
UniRef90_UPI000363EFC3
UniRef90_UPI00036109C0
UniRef90_D7AWH1
UniRef90_B8GDV2
UniRef90_W8ADS5
UniRef90_Q5YWB4
UniRef90_UPI00034C1640
UniRef90_UPI0004142644
UniRef90_I0LAW3
UniRef90_UPI000370B7FE
UniRef90_D8I425
UniRef90_V9H6C1
UniRef90_C7QI00
UniRef90_UPI000345C59C
UniRef90_UPI00034CCB37
UniRef90_UPI000374DA67
UniRef90_W7T2B0
UniRef90_UPI0003731C0A
UniRef90_X1GIJ4
UniRef90_UPI000366532B
UniRef90_H5X395
UniRef90_E4MZY1
UniRef90_UPI000377816C
UniRef90_G8SDN6
UniRef90_D9V6N8
UniRef90_Q0W6U3
UniRef90_UPI0003826640
UniRef90_UPI000361EE5E
UniRef90_A0A022M8N3
UniRef90_I3CEZ5
UniRef90_UPI00035FFB84
UniRef90_UPI0004121FDF
UniRef90_UPI0004656777
UniRef90_H5X2J0
UniRef90_C7PXJ8
UniRef90_D1C433
UniRef90_Q9RVN2
UniRef90_H6QCI5
UniRef90_Q1IZL6
UniRef90_UPI000477958C
UniRef90_D9T9D3
UniRef90_D7E2L6
UniRef90_X1F6A2
UniRef90_UPI000344C616
UniRef90_D2TIT9
UniRef90_I0GK01
UniRef90_R9BAX3
UniRef90_UPI00034A267D
UniRef90_X0S8G9

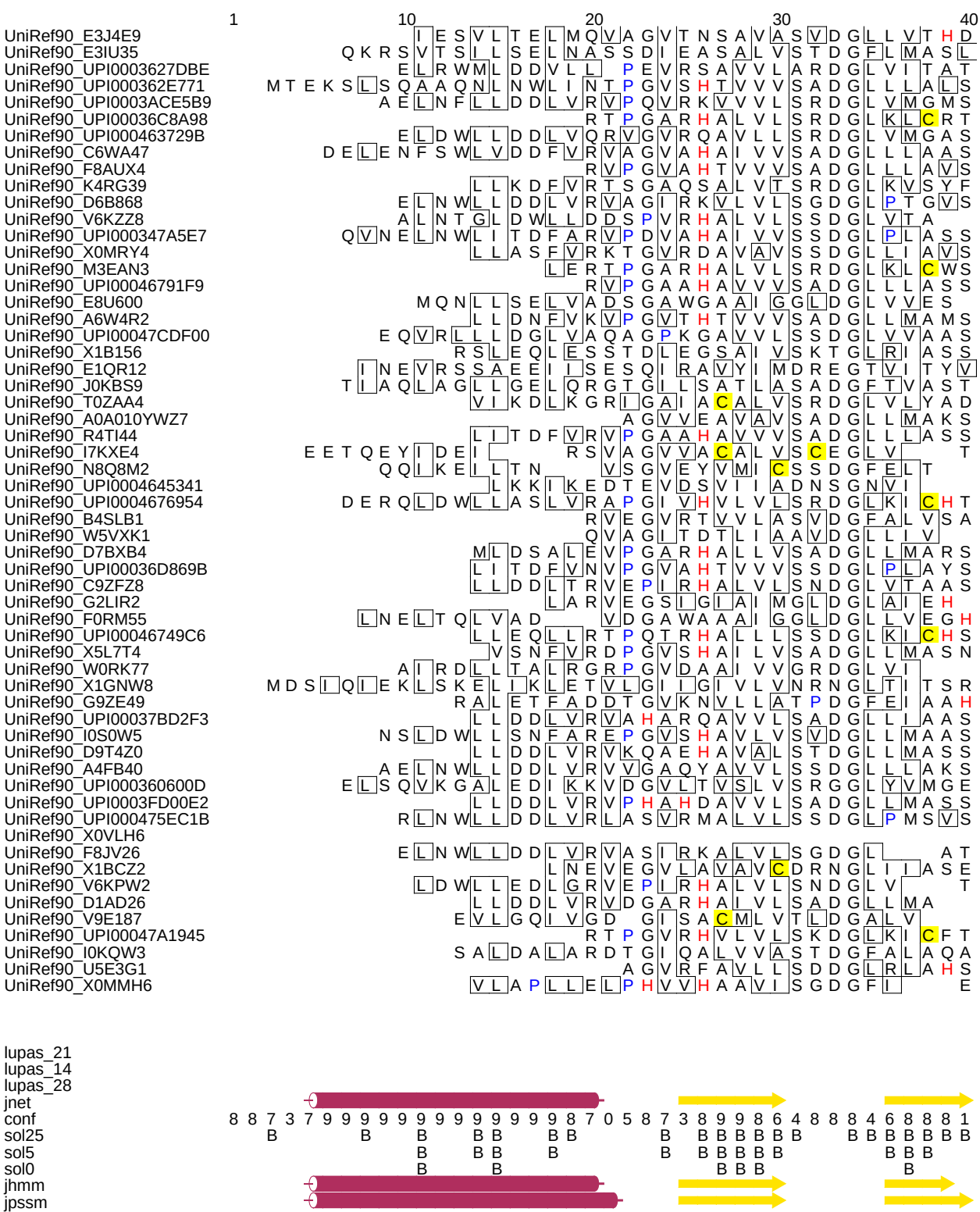

130
UniRef90_M2Z9C2 I E R V R S I L A A V I A N
UniRef90_M3CCF0
UniRef90_C7QGE1 V D V L G K L L A
UniRef90_Q47PZ9 V R Q V G P
UniRef90_F4XX53 L A E L K P M L
UniRef90_J7L023 V D Q V G R Y M D A A
UniRef90_A9AYJ9 R A N L D A A L A
UniRef90_M9SQJ6 G T R I G A L V D A A L E
UniRef90_W5TK90
UniRef90_UPI000288615D L E T L A K I L D S
UniRef90_X1DCR8 A E K V A V M I
UniRef90_Q47M44 V E Q V G R F L E S S
UniRef90_UPI000311067C
UniRef90_UPI00035D5873 V E Q I
UniRef90_E4N1H0 V R R V G E
UniRef90_C9ZAE2 V E Q L S K V L A A D V A N
UniRef90_D6A9Z0 A S R V G R E L A
UniRef90_B8FFC3 S K E L D E I F R
UniRef90_UPI00035CB23E A R A I A D H L K P A V A
UniRef90_X0ZAK8 L S R L S Y L L R Q
UniRef90_X1D7X9 S L E I S K I L K K
UniRef90_H6R0B3 A D R V G H E L G S
UniRef90_W5WKD4 I E R I S S I L T S
UniRef90_UPI00037246B1 A A R I G A L V D R A H A D
UniRef90_F0QYJ4 I A T I Q K Q L R
UniRef90_UPI0003B7B207 A R K L E A F L
UniRef90_A0A016QPQ1
UniRef90_Q0EXV1 Q S Q L G Q I I
UniRef90_X1L1V3 A R K I E L I L E G
UniRef90_UPI000467EB90 A H T I A E Q L
UniRef90_UPI00047921C4 V S R I A P L L A
UniRef90_S4M6P6 G A R I A D L V A
UniRef90_UPI000349DED9 L A E L K L I L
UniRef90_UPI0002EAEE49 G R N I V A E L S G S R A D
UniRef90_Q47N23 I Q R V G Q Y L
UniRef90_U2A589
UniRef90_A9BPY8 A S E L S R
UniRef90_Q5YQB8 A R A I A D H L A V L A N
UniRef90_UPI0003B70C4B A T E I S G I
UniRef90_X1G1G3 A P K I K E V L K R Y L
UniRef90_B5I8V4 G S A L S P Q L
UniRef90_UPI000382908C T K Q A G E V L
UniRef90_UPI000464AAA0 I E Q L N A I L
UniRef90_UPI000363EFC3 V E Q A G R F L N A A
UniRef90_UPI00036109C0 A R K L E
UniRef90_D7AWH1 V E N V A H V L
UniRef90_B8GDV2
UniRef90_W8ADS5 A V R V G R E L G S M
UniRef90_Q5YWB4 V Q R V
UniRef90_UPI00034C1640 V A K I A A L L K
UniRef90_UPI0004142644 V E R I G T V L A T V
UniRef90_I0LAW3
UniRef90_UPI000370B7FE V E Q L S E H L T S
UniRef90_D8I425 V E R I G S I L A
UniRef90_V9H6C1 V K Q M S E W I E E
UniRef90_C7QI00 A S R L G N E L T S
UniRef90_UPI000345C59C I R R V G Q F L S S A
UniRef90_UPI00034CCB37 V R R V G R F L T S A
UniRef90_UPI000374DA67 V K R V R
UniRef90_W7T2B0 T D R I S S I L
UniRef90_UPI0003731C0A G E H L S A
UniRef90_X1GIJ4 S P K I A V I L N R Y L
UniRef90_UPI000366532B V E Q L G P F L
UniRef90_H5X395 V K R V G A V L S A A
UniRef90_E4MZY1 V G R I G E H L T A A
UniRef90_UPI000377816C G A R I G E L V D A V A A
UniRef90_G8SDN6 T N R L S E I L
UniRef90_D9V6N8 S E V L T P A L V E E L K N
UniRef90_Q0W6U3
UniRef90_UPI0003826640 V Q R M
UniRef90_UPI000361EE5E L G Q I
UniRef90_A0A022M8N3 V N R V G E H L D
UniRef90_I3CEZ5 A E E L A Q I V
UniRef90_UPI00035FFB84 A A R I G E L V T A V
UniRef90_UPI0004121FDF
UniRef90_UPI0004656777 A A R V G R E L G S L
UniRef90_H5X2J0 V K R V G A T L S A A
UniRef90_C7PXJ8 V V R I G E H L A S
UniRef90_D1C433 V D Q I S S A V A
UniRef90_Q9RVN2 A R Q L E A Q L
UniRef90_H6QCI5 A K R L A G I
UniRef90_Q1IZL6 A H K L E S Y L
UniRef90_UPI000477958C V E R V A H A L
UniRef90_D9T9D3 V Q R V A E A L E P A V
UniRef90_D7E2L6 I T E I K S V L
UniRef90_X1F6A2 S H K I S K I L K K
UniRef90_UPI000344C616 I P E I K A A L E G
UniRef90_D2TIT9 S S E I S E I
UniRef90_I0GK01 I Q Q I E N I
UniRef90_R9BAX3 S N R I S D
UniRef90_UPI00034A267D V R Q V G P Y L S A L
UniRef90_X0S8G9 A K K M S G V L R R L V

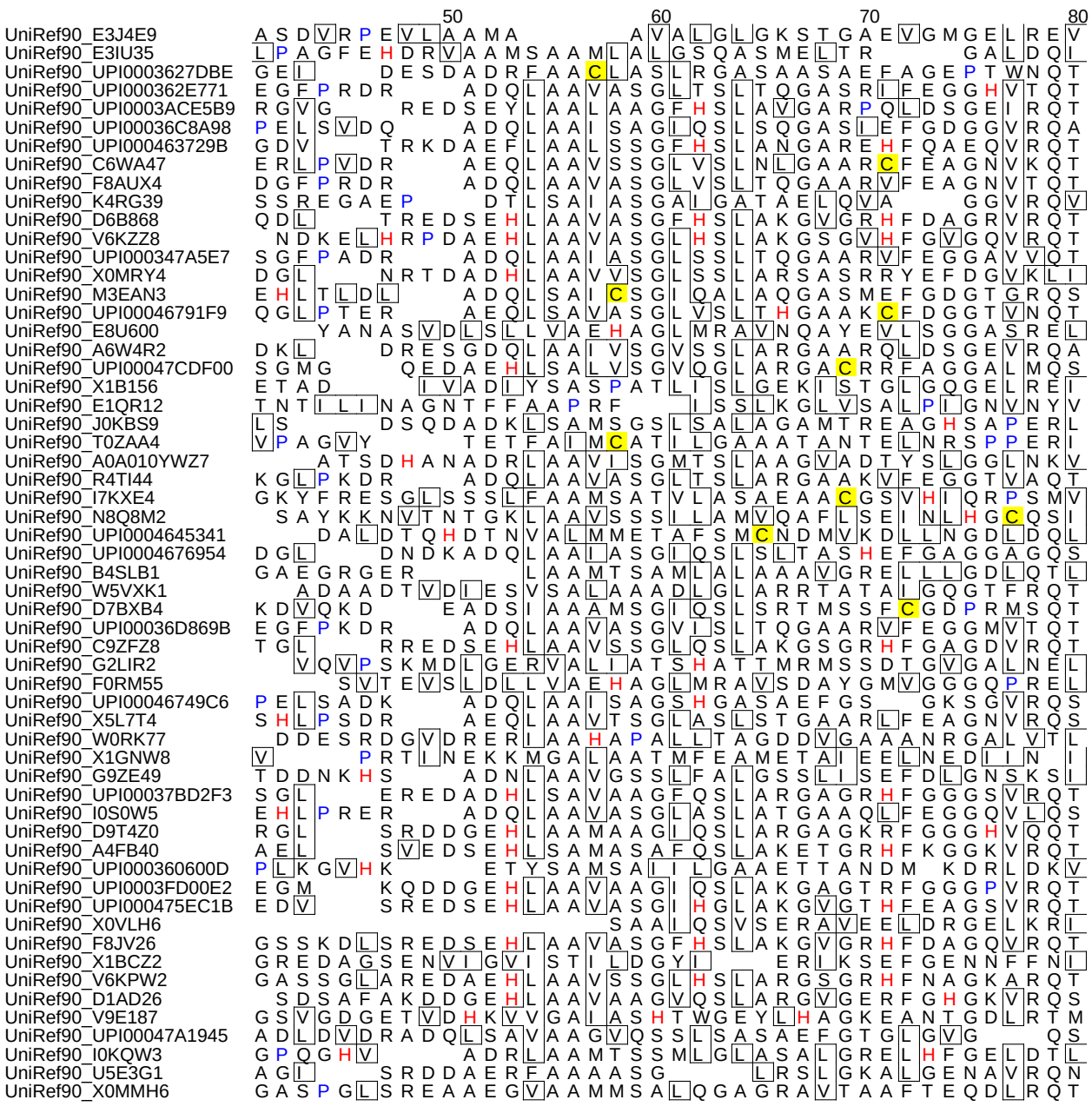

1
10
20
30
40
UniRef90_D3D8B7
UniRef90_H8GZC2
UniRef90_B9KZE4
UniRef90_W5TPP3
UniRef90_X1A9Q3
UniRef90_D3BRD9
UniRef90_UPI00036EE5D7
UniRef90_H5XB73
UniRef90_E8T5U8
UniRef90_UPI000289CEE2
UniRef90_D9TBM0
UniRef90_F0RM57
UniRef90_UPI00037D4003
UniRef90_D8I8E6
UniRef90_F8JJ35
UniRef90_UPI0004210D75
UniRef90_D9UYY2
UniRef90_G8WZX7
UniRef90_K9WED4
UniRef90_UPI0003483521
UniRef90_E8T3F9
UniRef90_UPI0003760543
UniRef90_D9WFK5
UniRef90_UPI00036E15E6
UniRef90_D1AAG3
UniRef90_W7SNU7
UniRef90_B5HIK3
UniRef90_R4T3K8
UniRef90_F2B904
UniRef90_X1B7D1
UniRef90_B4VTT8
UniRef90_D1YUQ4
UniRef90_W2EQM2
UniRef90_UPI00037D4F54
UniRef90_F6D3D7
UniRef90_UPI00036B74DF
UniRef90_G8RM75
UniRef90_L1KKT6
UniRef90_A4F780
UniRef90_Q5YX92
UniRef90_U5VR08
UniRef90_F3NHQ3
UniRef90_UPI00035D0E90
UniRef90_D1ACN9
UniRef90_UPI000395665B
UniRef90_K7QWX8
UniRef90_C1CVF1
UniRef90_F6D7Y1
UniRef90_D6Y2S6
UniRef90_UPI0002F91CB5
UniRef90_E1QUU2
UniRef90_UPI000345E6B2
UniRef90_UPI000348CD95
UniRef90_U6EBW9
UniRef90_G8SHI4
UniRef90_Q9N2U6
UniRef90_UPI0003C7737C
UniRef90_UPI0003713A49
UniRef90_K9ZXZ0
UniRef90_D9T3K3
UniRef90_A8L4M8
UniRef90_UPI00030A5636
UniRef90_UPI0004780B8C
UniRef90_J7L4T0
UniRef90_S5Z684
UniRef90_E8W3K6
UniRef90_H6R0M9
UniRef90_S3ZQB1
UniRef90_E4N7H5
UniRef90_E1RGT0
UniRef90_R7WK64
UniRef90_C9YTK7
UniRef90_E4NHC9
UniRef90_UPI00037AE62E
UniRef90_E8MZ33
UniRef90_UPI00036A7337
UniRef90_UPI000403A37D
UniRef90_F5SA37
UniRef90_I0H397
UniRef90_UPI0004772D2F
UniRef90_A5FM26
UniRef90_I0GK02
UniRef90_UPI00047788B1
UniRef90_L8ESP6
UniRef90_W7VT63
UniRef90_UPI00037E61C7
UniRef90_C6WPE0
UniRef90_Q54F59
UniRef90_T1K5X7
UniRef90_R8B1Q6
UniRef90_R4L9E0
UniRef90_UPI00026278E1

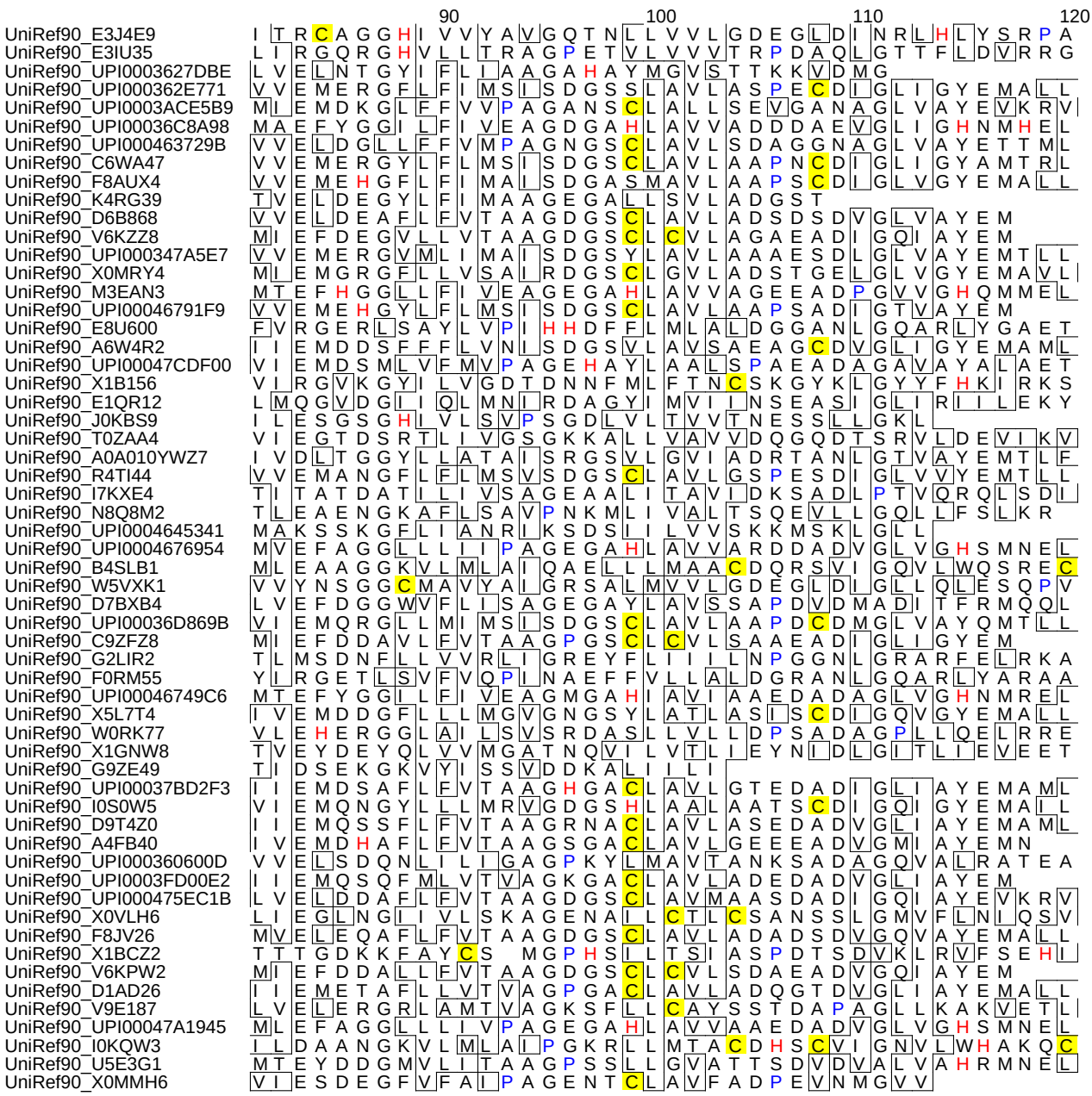

50
60
70
80
UniRef90_D3D8B7
UniRef90_H8GZC2
UniRef90_B9KZE4
UniRef90_W5TPP3
UniRef90_X1A9Q3
UniRef90_D3BRD9
UniRef90_UPI00036EE5D7
UniRef90_H5XB73
UniRef90_E8T5U8
UniRef90_UPI000289CEE2
UniRef90_D9TBM0
UniRef90_F0RM57
UniRef90_UPI00037D4003
UniRef90_D8I8E6
UniRef90_F8JJ35
UniRef90_UPI0004210D75
UniRef90_D9UYY2
UniRef90_G8WZX7
UniRef90_K9WED4
UniRef90_UPI0003483521
UniRef90_E8T3F9
UniRef90_UPI0003760543
UniRef90_D9WFK5
UniRef90_UPI00036E15E6
UniRef90_D1AAG3
UniRef90_W7SNU7
UniRef90_B5HIK3
UniRef90_R4T3K8
UniRef90_F2B904
UniRef90_X1B7D1
UniRef90_B4VTT8
UniRef90_D1YUQ4
UniRef90_W2EQM2
UniRef90_UPI00037D4F54
UniRef90_F6D3D7
UniRef90_UPI00036B74DF
UniRef90_G8RM75
UniRef90_L1KKT6
UniRef90_A4F780
UniRef90_Q5YX92
UniRef90_U5VR08
UniRef90_F3NHQ3
UniRef90_UPI00035D0E90
UniRef90_D1ACN9
UniRef90_UPI000395665B
UniRef90_K7QWX8
UniRef90_C1CVF1
UniRef90_F6D7Y1
UniRef90_D6Y2S6
UniRef90_UPI0002F91CB5
UniRef90_E1QUU2
UniRef90_UPI000345E6B2
UniRef90_UPI000348CD95
UniRef90_U6EBW9
UniRef90_G8SHI4
UniRef90_Q9N2U6
UniRef90_UPI0003C7737C
UniRef90_UPI0003713A49
UniRef90_K9ZXZ0
UniRef90_D9T3K3
UniRef90_A8L4M8
UniRef90_UPI00030A5636
UniRef90_UPI0004780B8C
UniRef90_J7L4T0
UniRef90_S5Z684
UniRef90_E8W3K6
UniRef90_H6R0M9
UniRef90_S3ZQB1
UniRef90_E4N7H5
UniRef90_E1RGT0
UniRef90_R7WK64
UniRef90_C9YTK7
UniRef90_E4NHC9
UniRef90_UPI00037AE62E
UniRef90_E8MZ33
UniRef90_UPI00036A7337
UniRef90_UPI000403A37D
UniRef90_F5SA37
UniRef90_I0H397
UniRef90_UPI0004772D2F
UniRef90_A5FM26
UniRef90_I0GK02
UniRef90_UPI00047788B1
UniRef90_L8ESP6
UniRef90_W7VT63
UniRef90_UPI00037E61C7
UniRef90_C6WPE0
UniRef90_Q54F59
UniRef90_T1K5X7
UniRef90_R8B1Q6
UniRef90_R4L9E0
UniRef90_UPI00026278E1


90
100
110
120
UniRef90_D3D8B7
UniRef90_H8GZC2
UniRef90_B9KZE4
UniRef90_W5TPP3
UniRef90_X1A9Q3
UniRef90_D3BRD9
UniRef90_UPI00036EE5D7
UniRef90_H5XB73
UniRef90_E8T5U8
UniRef90_UPI000289CEE2
UniRef90_D9TBM0
UniRef90_F0RM57
UniRef90_UPI00037D4003
UniRef90_D8I8E6
UniRef90_F8JJ35
UniRef90_UPI0004210D75
UniRef90_D9UYY2
UniRef90_G8WZX7
UniRef90_K9WED4
UniRef90_UPI0003483521
UniRef90_E8T3F9
UniRef90_UPI0003760543
UniRef90_D9WFK5
UniRef90_UPI00036E15E6
UniRef90_D1AAG3
UniRef90_W7SNU7
UniRef90_B5HIK3
UniRef90_R4T3K8
UniRef90_F2B904
UniRef90_X1B7D1
UniRef90_B4VTT8
UniRef90_D1YUQ4
UniRef90_W2EQM2
UniRef90_UPI00037D4F54
UniRef90_F6D3D7
UniRef90_UPI00036B74DF
UniRef90_G8RM75
UniRef90_L1KKT6
UniRef90_A4F780
UniRef90_Q5YX92
UniRef90_U5VR08
UniRef90_F3NHQ3
UniRef90_UPI00035D0E90
UniRef90_D1ACN9
UniRef90_UPI000395665B
UniRef90_K7QWX8
UniRef90_C1CVF1
UniRef90_F6D7Y1
UniRef90_D6Y2S6
UniRef90_UPI0002F91CB5
UniRef90_E1QUU2
UniRef90_UPI000345E6B2
UniRef90_UPI000348CD95
UniRef90_U6EBW9
UniRef90_G8SHI4
UniRef90_Q9N2U6
UniRef90_UPI0003C7737C
UniRef90_UPI0003713A49
UniRef90_K9ZXZ0
UniRef90_D9T3K3
UniRef90_A8L4M8
UniRef90_UPI00030A5636
UniRef90_UPI0004780B8C
UniRef90_J7L4T0
UniRef90_S5Z684
UniRef90_E8W3K6
UniRef90_H6R0M9
UniRef90_S3ZQB1
UniRef90_E4N7H5
UniRef90_E1RGT0
UniRef90_R7WK64
UniRef90_C9YTK7
UniRef90_E4NHC9
UniRef90_UPI00037AE62E
UniRef90_E8MZ33
UniRef90_UPI00036A7337
UniRef90_UPI000403A37D
UniRef90_F5SA37
UniRef90_I0H397
UniRef90_UPI0004772D2F
UniRef90_A5FM26
UniRef90_I0GK02
UniRef90_UPI00047788B1
UniRef90_L8ESP6
UniRef90_W7VT63
UniRef90_UPI00037E61C7
UniRef90_C6WPE0
UniRef90_Q54F59
UniRef90_T1K5X7
UniRef90_R8B1Q6
UniRef90_R4L9E0
UniRef90_UPI00026278E1

```
UniRef90_D3D8B7          A E A L S A A L
UniRef90_H8GZC2          A R R L E A Q L
UniRef90_B9KZE4          I P L F Q Q L I S E
UniRef90_W5TPP3          V Q R V G A H L A
UniRef90_X1A9Q3          S L E I S R I M K R
UniRef90_D3BRD9          R E Y L E E P L S Q V
UniRef90_UPI00036EE5D7   I A L L Q A
UniRef90_H5XB73          V E Q I G A F L T S
UniRef90_E8T5U8          V K K L K S L
UniRef90_UPI000289CEE2
UniRef90_D9TBM0
UniRef90_F0RM57          L E S L A
UniRef90_UPI00037D4003   V D R V
UniRef90_D8I8E6          V E Q I G E
UniRef90_F8JJ35          G T R I G E L V D
UniRef90_UPI0004210D75   V E R L E A I V R R
UniRef90_D9UYY2          V K R V G D Y L A S A
UniRef90_G8WZX7          V E Q L G E Y L
UniRef90_K9WED4          V A D V K P A L
UniRef90_UPI0003483521   V E Q I G T Y L T A A
UniRef90_E8T3F9          I N R
UniRef90_UPI0003760543   G A R I G E L V D G A L E
UniRef90_D9WFK5
UniRef90_UPI00036E15E6   V K R V G N H L A S A
UniRef90_D1AAG3          R K Q L A A
UniRef90_W7SNU7          V K Q V G V Y L S S A
UniRef90_B5HIK3          V K R V G E H L R
UniRef90_R4T3K8          I D R I S S I L A
UniRef90_F2B904          A K H I A D I I
UniRef90_X1B7D1          A E K I A P L L
UniRef90_B4VTT8          V T Q I K
UniRef90_D1YUQ4          V D K I K E I
UniRef90_W2EQM2          G Q V L T P A L R
UniRef90_UPI00037D4F54   Q N Q L A Q L I
UniRef90_F6D3D7          A K E I N E V T K D I V S
UniRef90_UPI00036B74DF
UniRef90_G8RM75          V E R V G A V V Q S A
UniRef90_L1KKT6
UniRef90_A4F780          G R Q L T P E L R
UniRef90_Q5YX92          A G R V G H E L G S M
UniRef90_U5VR08          V E R V G A A L R E A V S H
UniRef90_F3NHQ3          V K K I G E H L S A A
UniRef90_UPI00035D0E90   A V R V G R E L G S L
UniRef90_D1ACN9          V E R V G R V L T P A L
UniRef90_UPI000395665B   G A E M N K V
UniRef90_K7QWX8          A R S I A N V L
UniRef90_C1CVF1
UniRef90_F6D7Y1          I K K I Q K I L D E A Y
UniRef90_D6Y2S6
UniRef90_UPI0002F91CB5
UniRef90_E1QUU2          I S L I Q K Q L R
UniRef90_UPI000345E6B2   V E S A G H V L
UniRef90_UPI000348CD95   V E Q M G E H L A
UniRef90_U6EBW9          S Q K I N E
UniRef90_G8SHI4          A E R F G D L L T P A L
UniRef90_Q9N2U6
UniRef90_UPI0003C7737C
UniRef90_UPI0003713A49   V E Q L G E H L R A L
UniRef90_K9ZXZ0          A K K L G E I L
UniRef90_D9T3K3          A K Q A G E M L T P A L
UniRef90_A8L4M8          V E Q I G E Y L S A A
UniRef90_UPI00030A5636   I K R V G A Q L
UniRef90_UPI0004780B8C   V E Q I
UniRef90_J7L4T0          V R Q V G P H L S A L
UniRef90_S5Z684          E E D V V K
UniRef90_E8W3K6          V K R V G E
UniRef90_H6R0M9          V D R V G S V V
UniRef90_S3ZQB1          V V R I G A H L T S
UniRef90_E4N7H5          V A R I G E
UniRef90_E1RGT0          K H D L G E V
UniRef90_R7WK64          V D R V
UniRef90_C9YTK7          I E Q L G E
UniRef90_E4NHC9          V D R A G A V L T P A L
UniRef90_UPI00037AE62E
UniRef90_E8MZ33          V E E I L A
UniRef90_UPI00036A7337   I E Q I G A F L T A A
UniRef90_UPI000403A37D   A R Q I R
UniRef90_F5SA37          V K Q I K Q L
UniRef90_I0H397          V T R I G D Y L
UniRef90_UPI0004772D2F
UniRef90_A5FM26          S A E L S K
UniRef90_I0GK02          V P K I E E M M K
UniRef90_UPI00047788B1   V K Q A G E I L T P A L
UniRef90_L8ESP6
UniRef90_W7VT63
UniRef90_UPI00037E61C7   V D R V G R V L
UniRef90_C6WPE0          V E Q L G E
UniRef90_Q54F59          R E Y L E E P L S K V
UniRef90_T1K5X7          S D H L E E
UniRef90_R8B1Q6          T K R I S E T V N
UniRef90_R4L9E0
UniRef90_UPI00026278E1   V D R V G R M V E
```


1
10
20
30
40
UniRef90_E3J4E9
UniRef90_E3IU35
UniRef90_UPI0003627DBE
UniRef90_UPI000362E771
UniRef90_UPI0003ACE5B9
UniRef90_UPI00036C8A98
UniRef90_UPI000463729B
UniRef90_C6WA47
UniRef90_F8AUX4
UniRef90_K4RG39
UniRef90_D6B868
UniRef90_V6KZZ8
UniRef90_UPI000347A5E7
UniRef90_X0MRY4
UniRef90_M3EAN3
UniRef90_UPI00046791F9
UniRef90_E8U600
UniRef90_A6W4R2
UniRef90_UPI00047CDF00
UniRef90_X1B156
UniRef90_E1QR12
UniRef90_J0KBS9
UniRef90_T0ZAA4
UniRef90_A0A010YWZ7
UniRef90_R4TI44
UniRef90_I7KXE4
UniRef90_N8Q8M2
UniRef90_UPI0004645341
UniRef90_UPI0004676954
UniRef90_B4SLB1
UniRef90_W5VXK1
UniRef90_D7BXB4
UniRef90_UPI00036D869B
UniRef90_C9ZFZ8
UniRef90_G2LIR2
UniRef90_F0RM55
UniRef90_UPI00046749C6
UniRef90_X5L7T4
UniRef90_W0RK77
UniRef90_X1GNW8
UniRef90_G9ZE49
UniRef90_UPI00037BD2F3
UniRef90_I0S0W5
UniRef90_D9T4Z0
UniRef90_A4FB40
UniRef90_UPI000360600D
UniRef90_UPI0003FD00E2
UniRef90_UPI000475EC1B
UniRef90_X0VLH6
UniRef90_F8JV26
UniRef90_X1BCZ2
UniRef90_V6KPW2
UniRef90_D1AD26
UniRef90_V9E187
UniRef90_UPI00047A1945
UniRef90_I0KQW3
UniRef90_U5E3G1
UniRef90_X0MMH6
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


50
60
70
80
UniRef90_E3J4E9
UniRef90_E3IU35
UniRef90_UPI0003627DBE
UniRef90_UPI000362E771
UniRef90_UPI0003ACE5B9
UniRef90_UPI00036C8A98
UniRef90_UPI000463729B
UniRef90_C6WA47
UniRef90_F8AUX4
UniRef90_K4RG39
UniRef90_D6B868
UniRef90_V6KZZ8
UniRef90_UPI000347A5E7
UniRef90_X0MRY4
UniRef90_M3EAN3
UniRef90_UPI00046791F9
UniRef90_E8U600
UniRef90_A6W4R2
UniRef90_UPI00047CDF00
UniRef90_X1B156
UniRef90_E1QR12
UniRef90_J0KBS9
UniRef90_T0ZAA4
UniRef90_A0A010YWZ7
UniRef90_R4TI44
UniRef90_I7KXE4
UniRef90_N8Q8M2
UniRef90_UPI0004645341
UniRef90_UPI0004676954
UniRef90_B4SLB1
UniRef90_W5VXK1
UniRef90_D7BXB4
UniRef90_UPI00036D869B
UniRef90_C9ZFZ8
UniRef90_G2LIR2
UniRef90_F0RM55
UniRef90_UPI00046749C6
UniRef90_X5L7T4
UniRef90_W0RK77
UniRef90_X1GNW8
UniRef90_G9ZE49
UniRef90_UPI00037BD2F3
UniRef90_I0S0W5
UniRef90_D9T4Z0
UniRef90_A4FB40
UniRef90_UPI000360600D
UniRef90_UPI0003FD00E2
UniRef90_UPI000475EC1B
UniRef90_X0VLH6
UniRef90_F8JV26
UniRef90_X1BCZ2
UniRef90_V6KPW2
UniRef90_D1AD26
UniRef90_V9E187
UniRef90_UPI00047A1945
UniRef90_I0KQW3
UniRef90_U5E3G1
UniRef90_X0MMH6
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


90
100
110
120
UniRef90_E3J4E9
UniRef90_E3IU35
UniRef90_UPI0003627DBE
UniRef90_UPI000362E771
UniRef90_UPI0003ACE5B9
UniRef90_UPI00036C8A98
UniRef90_UPI000463729B
UniRef90_C6WA47
UniRef90_F8AUX4
UniRef90_K4RG39
UniRef90_D6B868
UniRef90_V6KZZ8
UniRef90_UPI000347A5E7
UniRef90_X0MRY4
UniRef90_M3EAN3
UniRef90_UPI00046791F9
UniRef90_E8U600
UniRef90_A6W4R2
UniRef90_UPI00047CDF00
UniRef90_X1B156
UniRef90_E1QR12
UniRef90_J0KBS9
UniRef90_T0ZAA4
UniRef90_A0A010YWZ7
UniRef90_R4TI44
UniRef90_I7KXE4
UniRef90_N8Q8M2
UniRef90_UPI0004645341
UniRef90_UPI0004676954
UniRef90_B4SLB1
UniRef90_W5VXK1
UniRef90_D7BXB4
UniRef90_UPI00036D869B
UniRef90_C9ZFZ8
UniRef90_G2LIR2
UniRef90_F0RM55
UniRef90_UPI00046749C6
UniRef90_X5L7T4
UniRef90_W0RK77
UniRef90_X1GNW8
UniRef90_G9ZE49
UniRef90_UPI00037BD2F3
UniRef90_I0S0W5
UniRef90_D9T4Z0
UniRef90_A4FB40
UniRef90_UPI000360600D
UniRef90_UPI0003FD00E2
UniRef90_UPI000475EC1B
UniRef90_X0VLH6
UniRef90_F8JV26
UniRef90_X1BCZ2
UniRef90_V6KPW2
UniRef90_D1AD26
UniRef90_V9E187
UniRef90_UPI00047A1945
UniRef90_I0KQW3
UniRef90_U5E3G1
UniRef90_X0MMH6
lupas_21
lupas_14
lupas_28
c
jnet
conf
sol25
sol5
sol0
jhmm
jpssm

```
                                                  130
UniRef90_E3J4E9              V T R L G E L L A
UniRef90_E3IU35              A E A L A E A V
UniRef90_UPI0003627DBE
UniRef90_UPI000362E771       V D R A G A V L T P A L
UniRef90_UPI0003ACE5B9       G R Q L S T G L R Q
UniRef90_UPI00036C8A98       V E Q L G E
UniRef90_UPI000463729B       I K R V R R T L
UniRef90_C6WA47              V D R V
UniRef90_F8AUX4              V T R T T D V L T P A L
UniRef90_K4RG39
UniRef90_D6B868
UniRef90_V6KZZ8
UniRef90_UPI000347A5E7       V E R A G R A L
UniRef90_X0MRY4              A E R A G D L L N
UniRef90_M3EAN3              V E Q I G D H L R
UniRef90_UPI00046791F9
UniRef90_E8U600              A R K L E E T L
UniRef90_A6W4R2              V Q R A E T V L
UniRef90_UPI00047CDF00       A E R L A E
UniRef90_X1B156              F R E M E P V L K R
UniRef90_E1QR12              T D K L Y D L L R K L L S
UniRef90_J0KBS9
UniRef90_T0ZAA4              A D Q V T
UniRef90_A0A010YWZ7          A S R A G A V L T P A L
UniRef90_R4TI44              V E R V
UniRef90_I7KXE4              A A R I G E V
UniRef90_N8Q8M2
UniRef90_UPI0004645341
UniRef90_UPI0004676954       V E Q I
UniRef90_B4SLB1              G Q A I L A E L G G S
UniRef90_W5VXK1              I E C I G S I L A A S
UniRef90_D7BXB4              V G Q L G K A L
UniRef90_UPI00036D869B       V E R A G Q V L
UniRef90_C9ZFZ8
UniRef90_G2LIR2
UniRef90_F0RM55              A G Q L A
UniRef90_UPI00046749C6       V E Q L G E Y L A A A
UniRef90_X5L7T4              V D R V G K T V D
UniRef90_W0RK77              R A R L A S L V
UniRef90_X1GNW8              L N I I Q D L I R
UniRef90_G9ZE49
UniRef90_UPI00037BD2F3       V A R V G Q Y L A
UniRef90_I0S0W5              V E R V G G V V Q S S
UniRef90_D9T4Z0              V T R V G R F V A S
UniRef90_A4FB40
UniRef90_UPI000360600D       V S E L
UniRef90_UPI0003FD00E2
UniRef90_UPI000475EC1B       G E H L A A
UniRef90_X0VLH6              S N R I A T L L D
UniRef90_F8JV26              V K R V G A
UniRef90_X1BCZ2              A G K I E L I L E
UniRef90_V6KPW2
UniRef90_D1AD26              V T K V S N F L T S
UniRef90_V9E187              G T Y L T T S L D Q
UniRef90_UPI00047A1945       V E Q M G S F L
UniRef90_I0KQW3              V R A L A D
UniRef90_U5E3G1              A A R V G R E L
UniRef90_X0MMH6


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