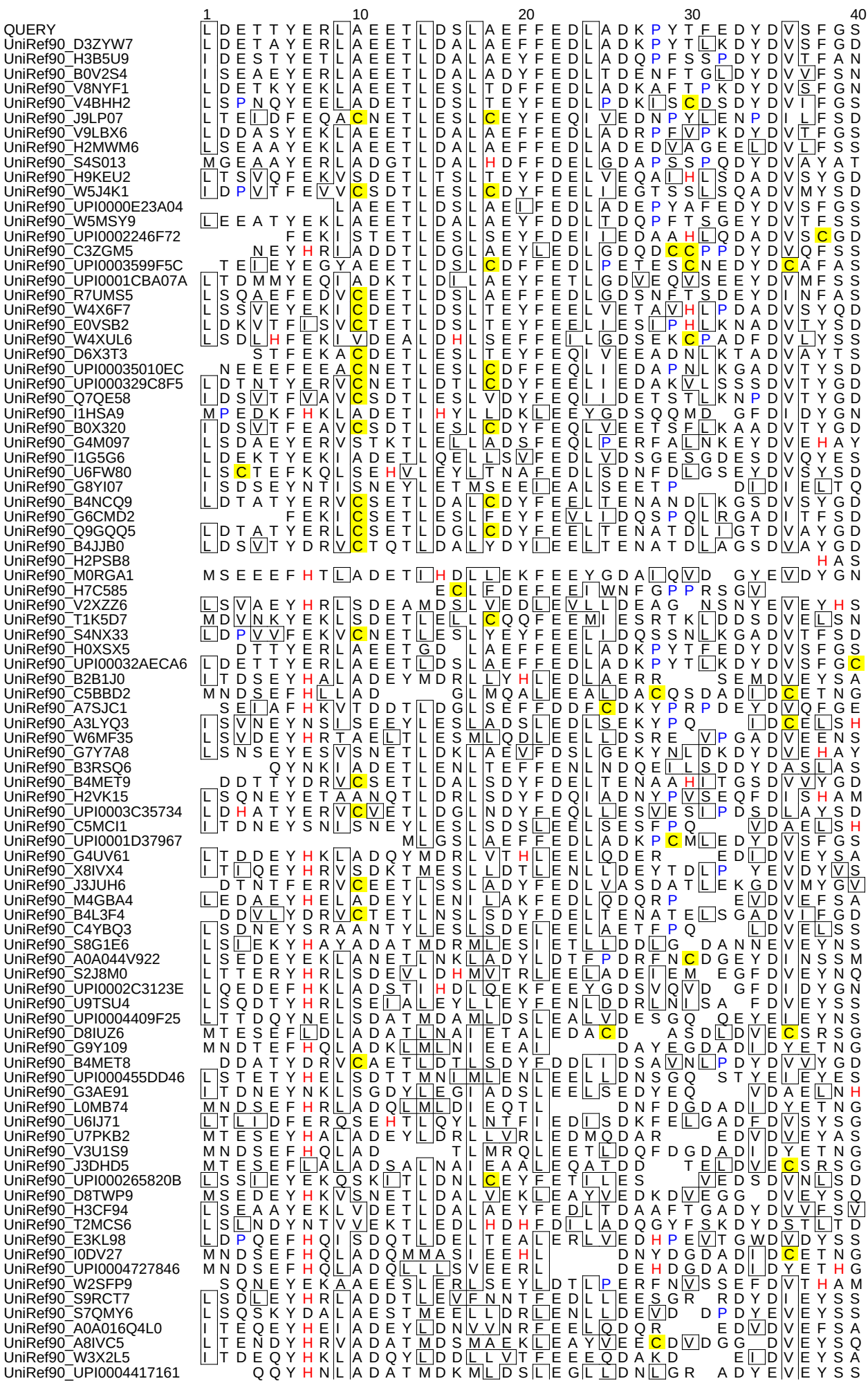
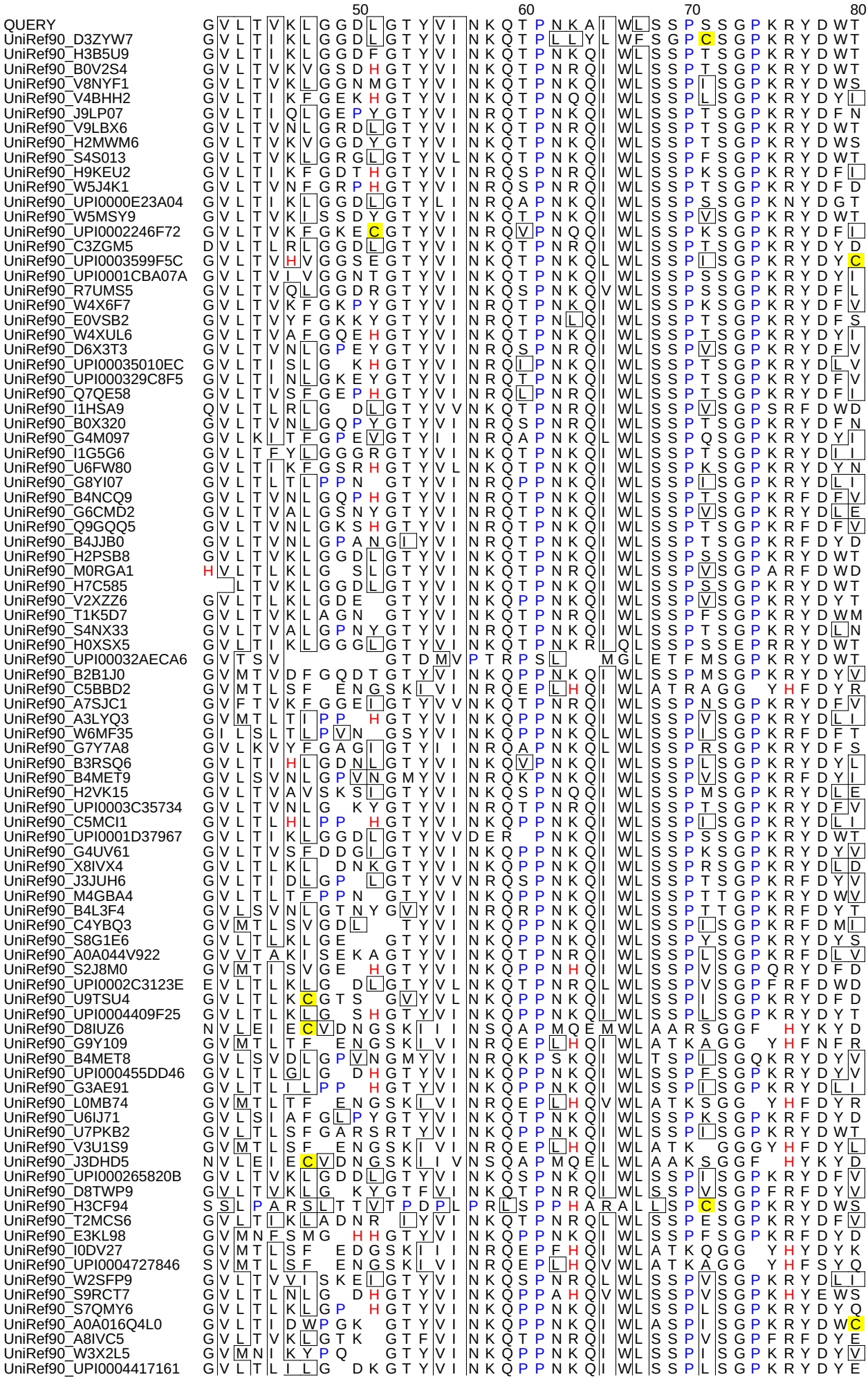
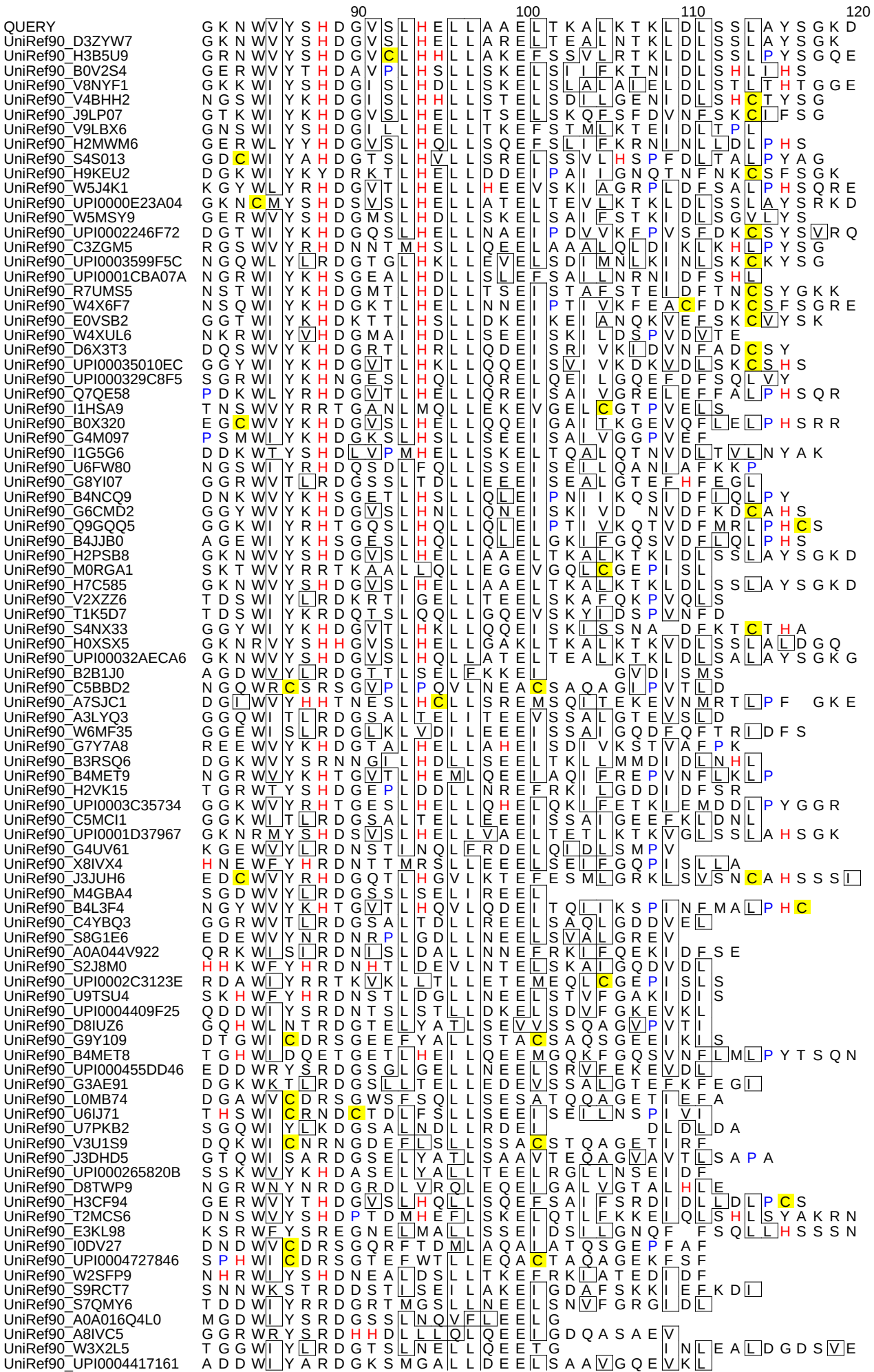
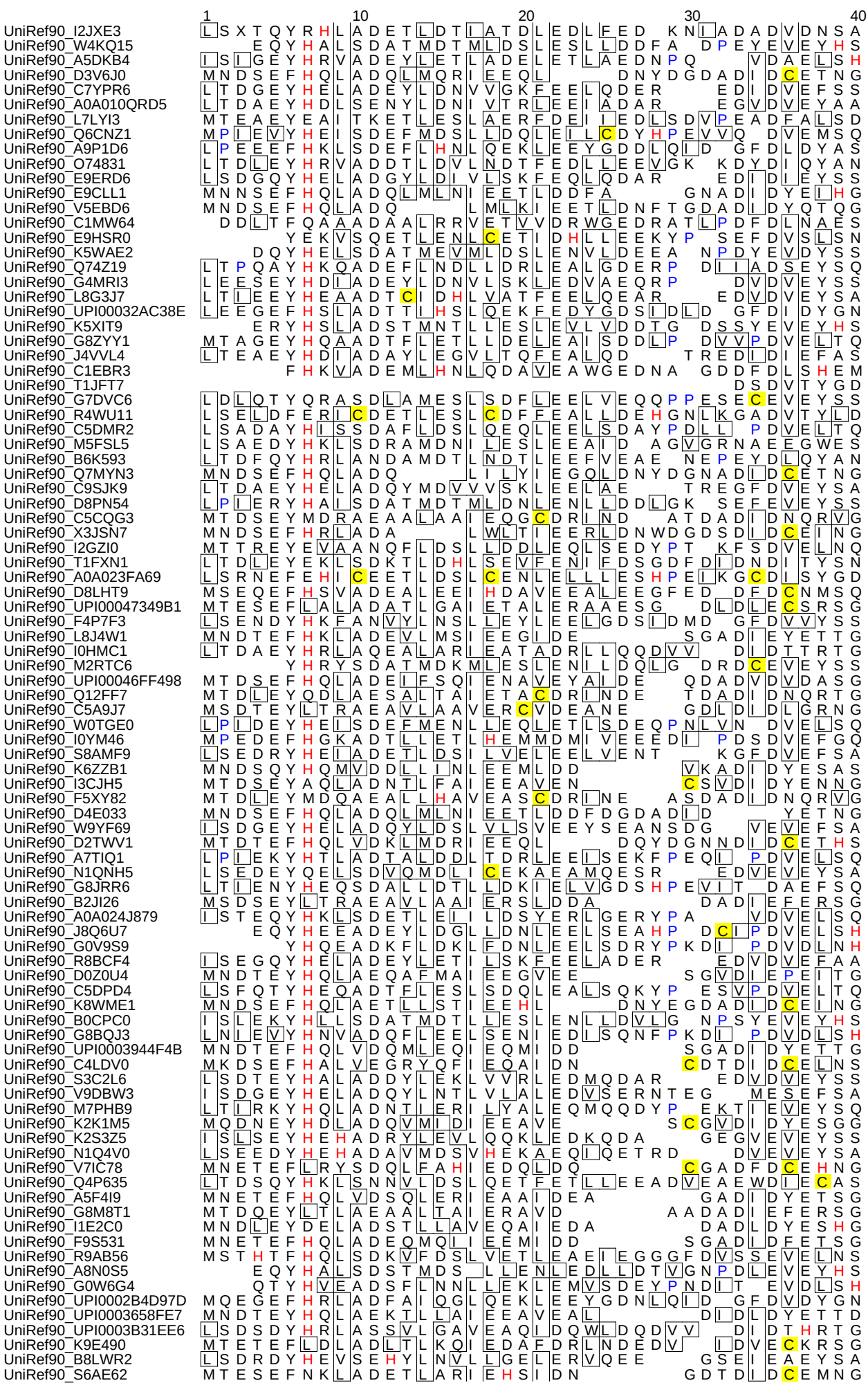
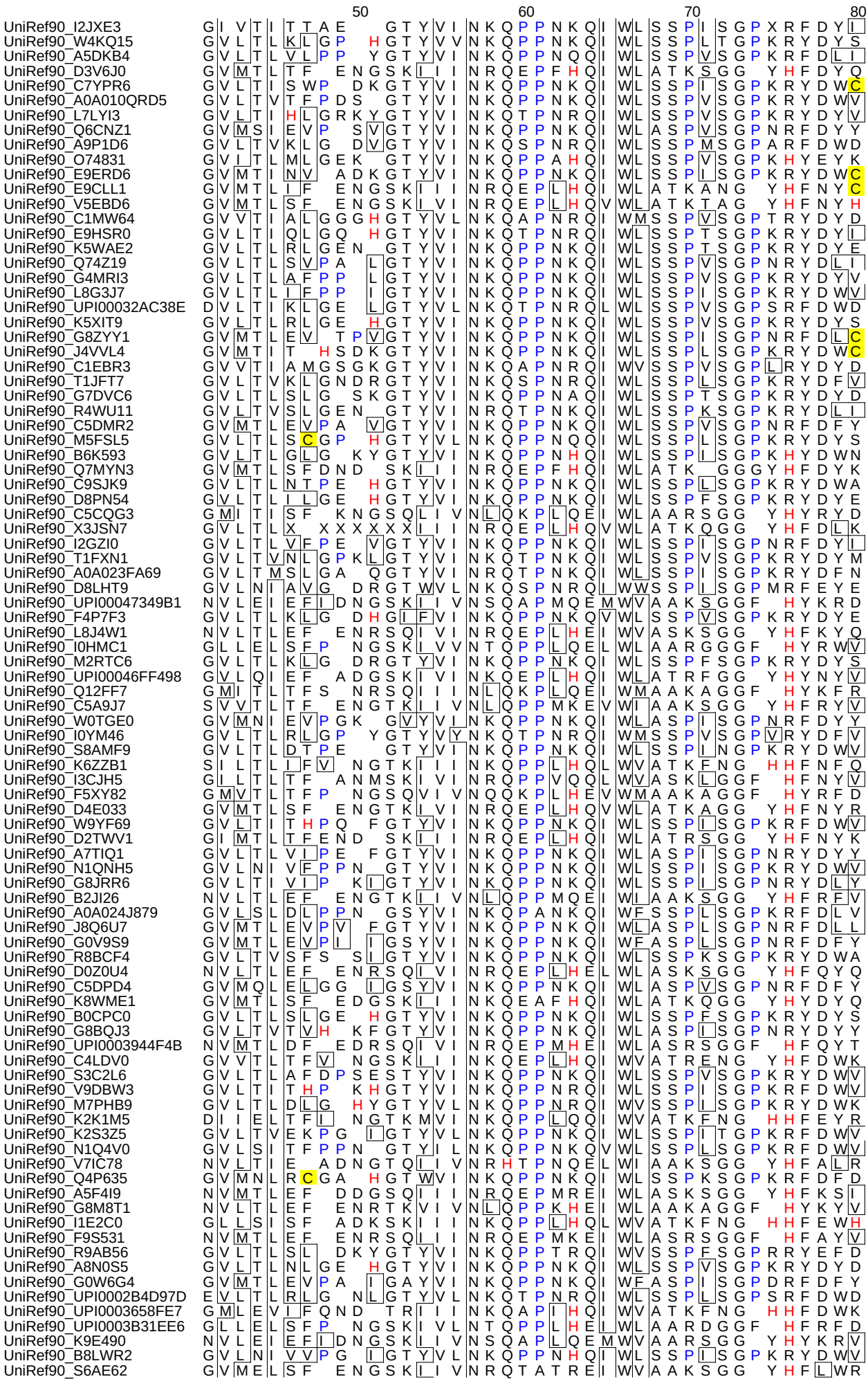

1
10
20
30
40
QUERY
UniRef90_D3ZYW7
UniRef90_H3B5U9
UniRef90_B0V2S4
UniRef90_V8NYF1
UniRef90_V4BHH2
UniRef90_J9LP07
UniRef90_V9LBX6
UniRef90_H2MWM6
UniRef90_S4S013
UniRef90_H9KEU2
UniRef90_W5J4K1
UniRef90_UPI0000E23A04
UniRef90_W5MSY9
UniRef90_UPI0002246F72
UniRef90_C3ZGM5
UniRef90_UPI0003599F5C
UniRef90_UPI0001CBA07A
UniRef90_R7UMS5
UniRef90_W4X6F7
UniRef90_E0VSB2
UniRef90_W4XUL6
UniRef90_D6X3T3
UniRef90_UPI00035010EC
UniRef90_UPI000329C8F5
UniRef90_Q7QE58
UniRef90_I1HSA9
UniRef90_B0X320
UniRef90_G4M097
UniRef90_I1G5G6
UniRef90_U6FW80
UniRef90_G8YI07
UniRef90_B4NCQ9
UniRef90_G6CMD2
UniRef90_Q9GQQ5
UniRef90_B4JJB0
UniRef90_H2PSB8
UniRef90_M0RGA1
UniRef90_H7C585
UniRef90_V2XZZ6
UniRef90_T1K5D7
UniRef90_S4NX33
UniRef90_H0XSX5
UniRef90_UPI00032AECA6
UniRef90_B2B1J0
UniRef90_C5BBD2
UniRef90_A7SJC1
UniRef90_A3LYQ3
UniRef90_W6MF35
UniRef90_G7Y7A8
UniRef90_B3RSQ6
UniRef90_B4MET9
UniRef90_H2VK15
UniRef90_UPI0003C35734
UniRef90_C5MCI1
UniRef90_UPI0001D37967
UniRef90_G4UV61
UniRef90_X8IVX4
UniRef90_J3JUH6
UniRef90_M4GBA4
UniRef90_B4L3F4
UniRef90_C4YBQ3
UniRef90_S8G1E6
UniRef90_A0A044V922
UniRef90_S2J8M0
UniRef90_UPI0002C3123E
UniRef90_U9TSU4
UniRef90_UPI0004409F25
UniRef90_D8IUZ6
UniRef90_G9Y109
UniRef90_B4MET8
UniRef90_UPI000455DD46
UniRef90_G3AE91
UniRef90_L0MB74
UniRef90_U6IJ71
UniRef90_U7PKB2
UniRef90_V3U1S9
UniRef90_J3DHD5
UniRef90_UPI000265820B
UniRef90_D8TWP9
UniRef90_H3CF94
UniRef90_T2MCS6
UniRef90_E3KL98
UniRef90_I0DV27
UniRef90_UPI0004727846
UniRef90_W2SFP9
UniRef90_S9RCT7
UniRef90_S7QMY6
UniRef90_A0A016Q4L0
UniRef90_A8IVC5
UniRef90_W3X2L5
UniRef90_UPI0004417161

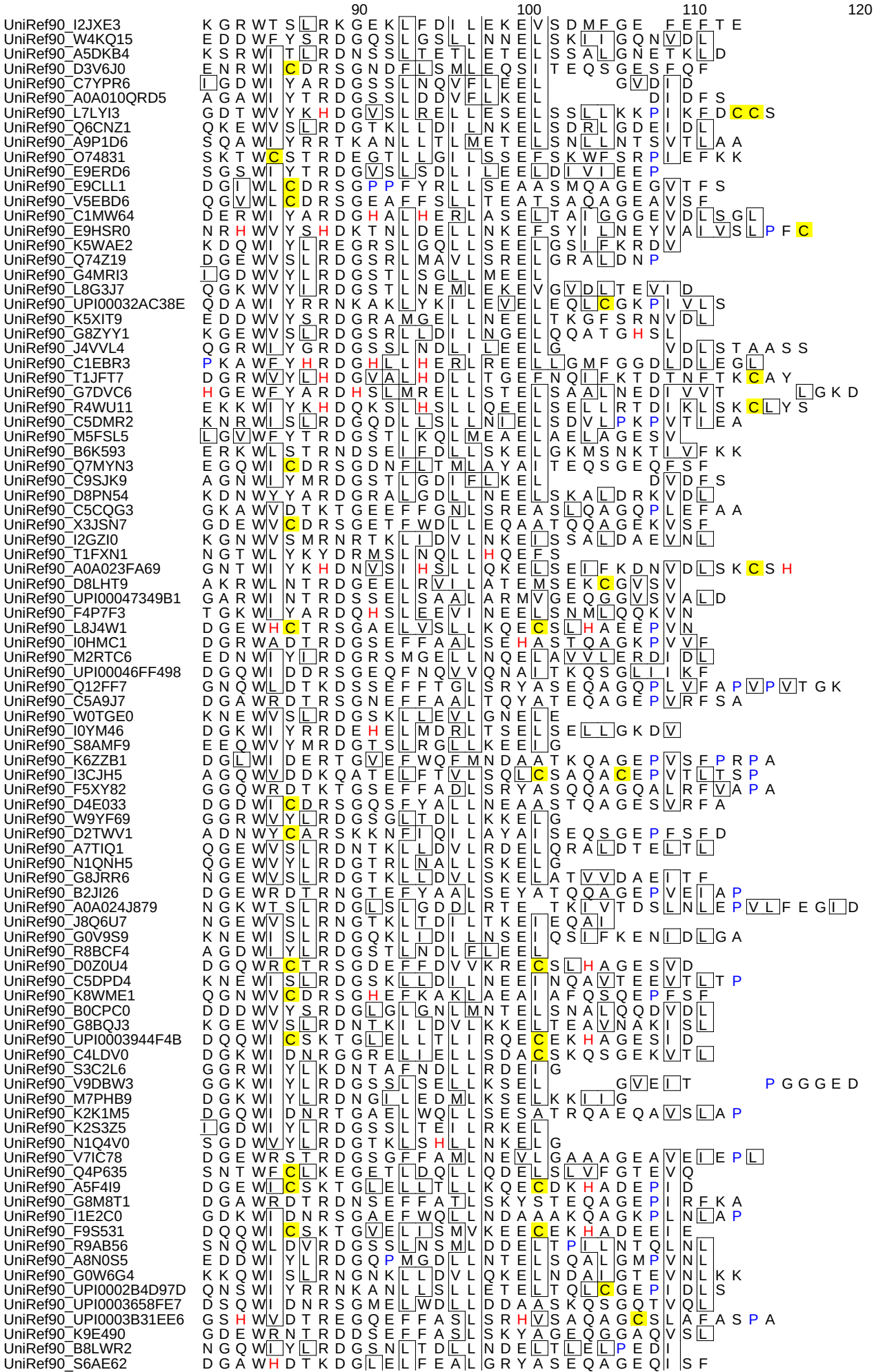

50
60
70
80
QUERY
UniRef90_D3ZYW7
UniRef90_H3B5U9
UniRef90_B0V2S4
UniRef90_V8NYF1
UniRef90_V4BHH2
UniRef90_J9LP07
UniRef90_V9LBX6
UniRef90_H2MWM6
UniRef90_S4S013
UniRef90_H9KEU2
UniRef90_W5J4K1
UniRef90_UPI0000E23A04
UniRef90_W5MSY9
UniRef90_UPI0002246F72
UniRef90_C3ZGM5
UniRef90_UPI0003599F5C
UniRef90_UPI0001CBA07A
UniRef90_R7UMS5
UniRef90_W4X6F7
UniRef90_E0VSB2
UniRef90_W4XUL6
UniRef90_D6X3T3
UniRef90_UPI00035010EC
UniRef90_UPI000329C8F5
UniRef90_Q7QE58
UniRef90_I1HSA9
UniRef90_B0X320
UniRef90_G4M097
UniRef90_I1G5G6
UniRef90_U6FW80
UniRef90_G8YI07
UniRef90_B4NCQ9
UniRef90_G6CMD2
UniRef90_Q9GQQ5
UniRef90_B4JJB0
UniRef90_H2PSB8
UniRef90_M0RGA1
UniRef90_H7C585
UniRef90_V2XZZ6
UniRef90_T1K5D7
UniRef90_S4NX33
UniRef90_H0XSX5
UniRef90_UPI00032AECA6
UniRef90_B2B1J0
UniRef90_C5BBD2
UniRef90_A7SJC1
UniRef90_A3LYQ3
UniRef90_W6MF35
UniRef90_G7Y7A8
UniRef90_B3RSQ6
UniRef90_B4MET9
UniRef90_H2VK15
UniRef90_UPI0003C35734
UniRef90_C5MCI1
UniRef90_UPI0001D37967
UniRef90_G4UV61
UniRef90_X8IVX4
UniRef90_J3JUH6
UniRef90_M4GBA4
UniRef90_B4L3F4
UniRef90_C4YBQ3
UniRef90_S8G1E6
UniRef90_A0A044V922
UniRef90_S2J8M0
UniRef90_UPI0002C3123E
UniRef90_U9TSU4
UniRef90_UPI0004409F25
UniRef90_D8IUZ6
UniRef90_G9Y109
UniRef90_B4MET8
UniRef90_UPI000455DD46
UniRef90_G3AE91
UniRef90_L0MB74
UniRef90_U6IJ71
UniRef90_U7PKB2
UniRef90_V3U1S9
UniRef90_J3DHD5
UniRef90_UPI000265820B
UniRef90_D8TWP9
UniRef90_H3CF94
UniRef90_T2MCS6
UniRef90_E3KL98
UniRef90_I0DV27
UniRef90_UPI0004727846
UniRef90_W2SFP9
UniRef90_S9RCT7
UniRef90_S7QMY6
UniRef90_A0A016Q4L0
UniRef90_A8IVC5
UniRef90_W3X2L5
UniRef90_UPI0004417161


90
100
110
120
QUERY G K N W V Y S H D G V S L H E L L A A E L T K A L K T K L D L S S L A Y S G K D
UniRef90_D3ZYW7 G K N W V Y S H D G V S L H E L L A R E L T E A L N T K L D L S S L A Y S G K
UniRef90_H3B5U9 G R N W V Y S H D G V C L H H L L A K E F S S V L R T K L D L S S L P Y S G Q E
UniRef90_B0V2S4 G E R W V Y T H D A V P L H S L L S K E L S I I F K T N I D L S H L I H S
UniRef90_V8NYF1 G K K W I Y S H D G I S L H D L L S K E L S L A L A I E L D L S T L T H T G G E
UniRef90_V4BHH2 N G S W I Y K H D G I S L H H L L S T E L S D I L G E N I D L S H C T Y S G
UniRef90_J9LP07 G T K W I Y K H D G V S L H E L L T S E L S K Q F S F D V N F S K C I F S G
UniRef90_V9LBX6 G N S W I Y S H D G I L L H E L L T K E F S T M L K T E I D L T P L
UniRef90_H2MWM6 G E R W L Y Y H D G V S L H Q L L S Q E F S L I F K R N I N L L D L P H S
UniRef90_S4S013 G D C W I Y A H D G T S L H V L L S R E L S S V L H S P F D L T A L P Y A G
UniRef90_H9KEU2 D G K W I Y K Y D R K T L H E L L D D E I P A I I G N Q T N F N K C S F S G K
UniRef90_W5J4K1 K G Y W L Y R H D G V T L H E L L H E E V S K I A G R P L D F S A L P H S Q R E
UniRef90_UPI0000E23A04 G K N C M Y S H D S V S L H E L L A T E L T E V L K T K L D L S S L A Y S R K D
UniRef90_W5MSY9 G E R W V Y S H D G M S L H D L L S K E L S A I F S T K I D L S G V L Y S
UniRef90_UPI0002246F72 D G T W I Y K H D G Q S L H E L L N A E I P D V V K F P V S F D K C S Y S V R Q
UniRef90_C3ZGM5 R G S W V Y R H D N N T M H S L L Q E E L A A A L Q L L D I K L K H L P Y S G
UniRef90_UPI0003599F5C N G Q W L Y L R D G T G L H K L L E V E L S D I M N L K I N L S K C K Y S G
UniRef90_UPI0001CBA07A N G R W I Y K H S G E A L H D L L S L E F S A I L N R N I D F S H L
UniRef90_R7UMS5 N S T W I Y K H D G M T L H D L L T S E I S T A F S T E I D F T N C S Y G K K
UniRef90_W4X6F7 N S Q W I Y K H D G K T L H E L L N N E I P T I V K F E A C F D K C S F S G R E
UniRef90_E0VSB2 G G T W I Y K H D K T T L H S L L D K E I K E I A N Q K V E F S K C V Y S K
UniRef90_W4XUL6 N K R W I Y V H D G M A I H D L L S E E I S K I L D S P V D V T E
UniRef90_D6X3T3 D Q S W V Y K H D G R T L H R L L Q D E I S R I V K I D V N F A D C S Y
UniRef90_UPI00035010EC G G Y W I Y K H D G V T L H K L L Q Q E I S V I V K D K V D L S K C S H S
UniRef90_UPI000329C8F5 S G R W I Y K H N G E S L H Q L L Q R E L Q E I L G Q E F D F S Q L V Y
UniRef90_Q7QE58 P D K W L Y R H D G V T L H E L L Q R E I S A I V G R E L E F F A L P H S Q R
UniRef90_I1HSA9 T N S W V Y R R T G A N L M Q L L E K E V G E L C G T P V E L S
UniRef90_B0X320 E G C W V Y K H D G V S L H E L L Q Q E I G A I T K G E V Q F L E L P H S R R
UniRef90_G4M097 P S M W I Y K H D G K S L H S L L S E E I S A I V G G P V E F
UniRef90_I1G5G6 D D K W T Y S H D L V P M H E L L S K E L T Q A L Q T N V D L T V L N Y A K
UniRef90_U6FW80 N G S W I Y R H D Q S D L F Q L L S S E I S E I L Q A N I A F K K P
UniRef90_G8YI07 G G R W V T L R D G S S L T D L L E E E I S E A L G T E F H F E G L
UniRef90_B4NCQ9 D N K W V Y K H S G E T L H S L L Q L E I P N I I K Q S I D F I Q L P Y
UniRef90_G6CMD2 G G Y W V Y K H D G V S L H N L L Q N E I S K I V D N V D F K D C A H S
UniRef90_Q9GQQ5 G G K W I Y R H T G Q S L H Q L L Q L E I P T I V K Q T V D F M R L P H C S
UniRef90_B4JJB0 A G E W I Y K H S G E S L H Q L L Q L E L G K I F G Q S V D F L Q L P H S
UniRef90_H2PSB8 G K N W V Y S H D G V S L H E L L A A E L T K A L K T K L D L S S L A Y S G K D
UniRef90_M0RGA1 S K T W V Y R R T K A A L L Q L L E G E V G Q L C G E P I S L
UniRef90_H7C585 G K N W V Y S H D G V S L H E L L A A E L T K A L K T K L D L S S L A Y S G K D
UniRef90_V2XZZ6 T D S W I Y L R D K R T I G E L L T E E L S K A F Q K P V Q L S
UniRef90_T1K5D7 T D S W I Y K R D Q T S L Q Q L L G Q E V S K Y I D S P V N F D
UniRef90_S4NX33 G G Y W I Y K H D G V T L H K L L Q Q E I S K I S S N A D F K T C T H A
UniRef90_H0XSX5 G K N R V Y S H H G V S L H E L L G A K L T K A L K T K V D L S S L A L D G Q
UniRef90_UPI00032AECA6 G K N W V Y S H D G V S L H Q L L A T E L T E A L K T K L D L S A L A Y S G K G
UniRef90_B2B1J0 A G D W V Y L R D G T T L S E L F K K E I G V D I S M S
UniRef90_C5BBD2 N G Q W R C S R S G V P L P Q V L N E A C S A Q A G I P V T L D
UniRef90_A7SJC1 D G I W V Y H H T N E S L H C L L S R E M S Q I T E K E V N M R T L P F G K E
UniRef90_A3LYQ3 G G Q W I T L R D G S A L T E L I T E E V S S A L G T E V S L D
UniRef90_W6MF35 G G E W I S L R D G L K L V D I L E E E I S S A I G Q D F Q F T R I D F S
UniRef90_G7Y7A8 R E E W V Y K H D G T A L H E L L A H E I S D I V K S T V A F P K
UniRef90_B3RSQ6 D G K W V Y S R N N G I L H D L L S E E L T K L L M M D I D L N H L
UniRef90_B4MET9 N G R W V Y K H T G V T L H E M L Q E E I A Q I F R E P V N F L K L P
UniRef90_H2VK15 T G R W T Y S H D G E P L D D L L N R E F R K I L G D D I D F S R
UniRef90_UPI0003C35734 G G K W V Y R H T G E S L H E L L Q H E L Q K I F E T K I E M D D L L P Y G G R
UniRef90_C5MCI1 G G K W I T L R D G S A L T E L L E E E I S S A I G E E F K L D N L
UniRef90_UPI0001D37967 G K N R M Y S H D S V S L H E L L V A E L T E T L K T K V G L S S L A H S G K
UniRef90_G4UV61 K G E W V Y L R D N S T I N Q L F R D E L Q I D L S M P V
UniRef90_X8IVX4 H N E W F Y H R D N T T M R S L L E E E L S E I F G Q P I S L L A
UniRef90_J3JUH6 E D C W V Y R H D G Q T L H G V L K T E F E S M L G R K L S V S N C A H S S S I
UniRef90_M4GBA4 S G D W V Y L R D G S S L S E L I R E E L
UniRef90_B4L3F4 N G Y W V Y K H T G V T L H Q V L Q D E I T Q I I K S P I N F M A L P H C
UniRef90_C4YBQ3 G G R W V T L R D G S A L T D L L R E E L S A Q L G D D V E L
UniRef90_S8G1E6 E D E W V Y N R D N R P L G D L L N E E L S V A L G R E V
UniRef90_A0A044V922 Q R K W I S I R D N I S L D A L L N N E F R K I F Q E K I D F S E
UniRef90_S2J8M0 H H K W F Y H R D N H T L D E V L N T E L S K A I G Q D V D L
UniRef90_UPI0002C3123E R D A W I Y R R T K V K L L T L E T E M E Q L C G E P I S L S
UniRef90_U9TSU4 S K H W F Y H R D N S T L D G L L N E E L S T V F G A K I D I S
UniRef90_UPI0004409F25 Q D D W I Y S R D N T S L S T L L D K E L S D V F G K E V K L
UniRef90_D8IUZ6 G Q H W L N T R D G T E L Y A T L S E V V S S Q A G V P V T I
UniRef90_G9Y109 D T G W I C D R S G E E F Y A L L S T A C S A Q S G E E I K I S
UniRef90_B4MET8 T G H W I D Q E T G E T L H E I L Q E E M G Q K F G Q S V N F L M L P Y T S Q N
UniRef90_UPI000455DD46 E D D W R Y S R D G S G L G E L L N E E L S R V F E K E V D L
UniRef90_G3AE91 D G K W K T L R D G S L T E L E D E V S S A L G T E F K F E G I
UniRef90_L0MB74 D G A W V C D R S G W S F S Q L L S E S A T Q Q A G E T I E F A
UniRef90_U6IJ71 T H S W I C R N D C T D L F S L L S E E I S E I L N S P I V I
UniRef90_U7PKB2 S G Q W I Y L K D G S A L N D L L R D E I D L D L D A
UniRef90_V3U1S9 D Q K W I C N R N G D E F L S L L S S A C S T Q A G E T I R F
UniRef90_J3DHD5 G T Q W I S A R D G S E L Y A T L S A A V T E Q A G V A V T L S A P A
UniRef90_UPI000265820B S S K W V Y K H D A S E L Y A L L T E E L R G L L N S E I D F
UniRef90_D8TWP9 N G R W N Y N R D G R D L V R Q L E Q E I G A L V G T A L H L E
UniRef90_H3CF94 G E R W V Y T H D G V S L H Q L L S Q E F S A I F S R D I D L L D L P C S
UniRef90_T2MCS6 D N S W V Y S H D P T D M H E F L S K E L Q T L F K K E I Q L S H L S Y A K R N
UniRef90_E3KL98 K S R W F Y S R E G N E L M A L L S S E I D S I L G N Q F F S Q L L H S S S N
UniRef90_I0DV27 D N D W V C D R S G Q R F T D M L A Q A I A T Q S G E P F A F
UniRef90_UPI0004727846 S P H W I C D R S G T E F W T L L E Q A C T A Q A G E K F S F
UniRef90_W2SFP9 N H R W I Y S H D N E A L D S L L T K E F R K I A T E D I D F
UniRef90_S9RCT7 S N N W K S T R D D S T I S E I L A K E I G D A F S K K I E F K D I
UniRef90_S7QMY6 T D D W I Y R R D G R T M G S L L N E E L S N V F G R G I D L
UniRef90_A0A016Q4L0 M G D W I Y S R D G S S L N Q V F L E E L G
UniRef90_A8IVC5 G G R W R Y S R D H H D L L L Q L Q E E I G D Q A S A E V
UniRef90_W3X2L5 T G G W I Y L R D G T S L N E L L Q E E T G I N L E A L D G D S V E
UniRef90_UPI0004417161 A D D W I Y A R D G K S M G A L L D E E L S A A V G Q E V K L

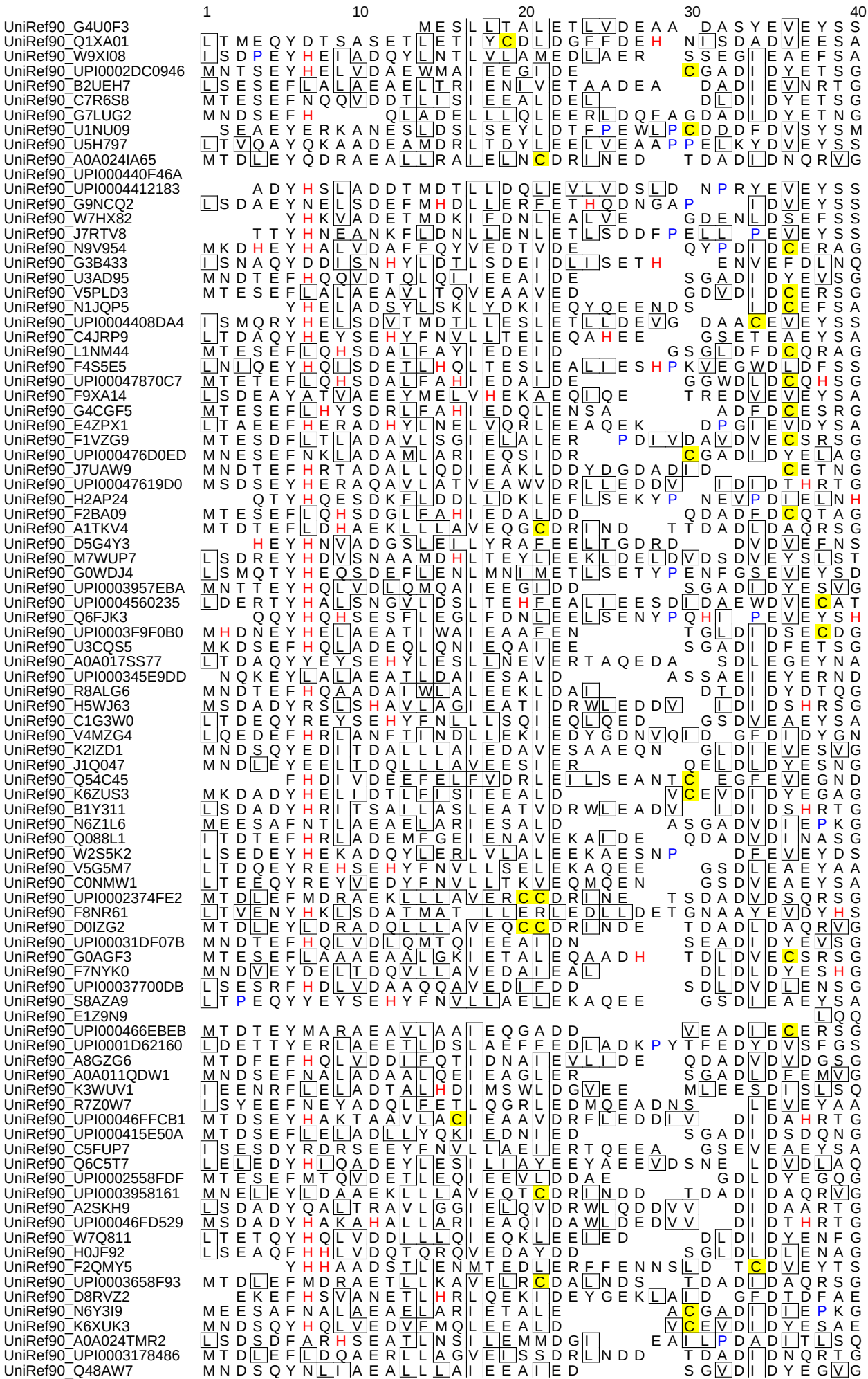
QUERY A
UniRef90_D3ZYW7
UniRef90_H3B5U9 A
UniRef90_B0V2S4
UniRef90_V8NYF1
UniRef90_V4BHH2
UniRef90_J9LP07
UniRef90_V9LBX6
UniRef90_H2MWM6
UniRef90_S4S013
UniRef90_H9KEU2
UniRef90_W5J4K1
UniRef90_UPI0000E23A04
UniRef90_W5MSY9
UniRef90_UPI0002246F72
UniRef90_C3ZGM5
UniRef90_UPI0003599F5C
UniRef90_UPI0001CBA07A
UniRef90_R7UMS5
UniRef90_W4X6F7
UniRef90_E0VSB2
UniRef90_W4XUL6
UniRef90_D6X3T3
UniRef90_UPI00035010EC
UniRef90_UPI000329C8F5
UniRef90_Q7QE58
UniRef90_I1HSA9
UniRef90_B0X320
UniRef90_G4M097
UniRef90_I1G5G6
UniRef90_U6FW80
UniRef90_G8YI07
UniRef90_B4NCQ9
UniRef90_G6CMD2
UniRef90_Q9GQQ5
UniRef90_B4JJB0
UniRef90_H2PSB8 A
UniRef90_M0RGA1
UniRef90_H7C585 A
UniRef90_V2XZZ6
UniRef90_T1K5D7
UniRef90_S4NX33
UniRef90_H0XSX5
UniRef90_UPI00032AECA6 S
UniRef90_B2B1J0
UniRef90_C5BBD2
UniRef90_A7SJC1
UniRef90_A3LYQ3
UniRef90_W6MF35
UniRef90_G7Y7A8
UniRef90_B3RSQ6
UniRef90_B4MET9
UniRef90_H2VK15
UniRef90_UPI0003C35734
UniRef90_C5MCI1
UniRef90_UPI0001D37967
UniRef90_G4UV61
UniRef90_X8IVX4
UniRef90_J3JUH6 A
UniRef90_M4GBA4
UniRef90_B4L3F4
UniRef90_C4YBQ3
UniRef90_S8G1E6
UniRef90_A0A044V922
UniRef90_S2J8M0
UniRef90_UPI0002C3123E
UniRef90_U9TSU4
UniRef90_UPI0004409F25
UniRef90_D8IUZ6
UniRef90_G9Y109
UniRef90_B4MET8
UniRef90_UPI000455DD46
UniRef90_G3AE91
UniRef90_L0MB74
UniRef90_U6IJ71
UniRef90_U7PKB2
UniRef90_V3U1S9
UniRef90_J3DHD5
UniRef90_UPI000265820B
UniRef90_D8TWP9
UniRef90_H3CF94
UniRef90_T2MCS6
UniRef90_E3KL98
UniRef90_I0DV27
UniRef90_UPI0004727846
UniRef90_W2SFP9
UniRef90_S9RCT7
UniRef90_S7QMY6
UniRef90_A0A016Q4L0
UniRef90_A8IVC5
UniRef90_W3X2L5 S
UniRef90_UPI0004417161

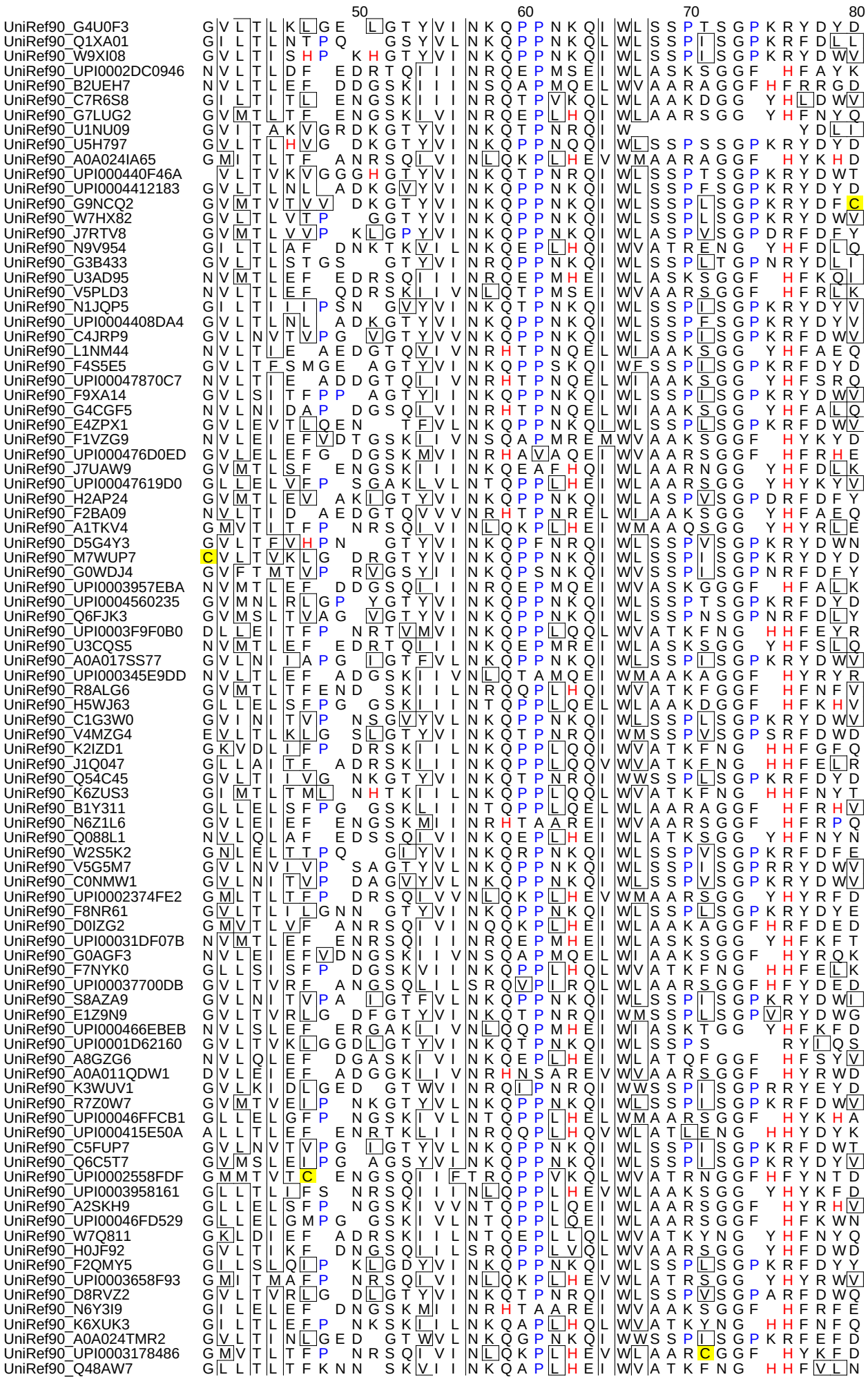

1
10
20
30
40
UniRef90_I2JXE3
UniRef90_W4KQ15
UniRef90_A5DKB4
UniRef90_D3V6J0
UniRef90_C7YPR6
UniRef90_A0A010QRD5
UniRef90_L7LYI3
UniRef90_Q6CNZ1
UniRef90_A9P1D6
UniRef90_O74831
UniRef90_E9ERD6
UniRef90_E9CLL1
UniRef90_V5EBD6
UniRef90_C1MW64
UniRef90_E9HSR0
UniRef90_K5WAE2
UniRef90_Q74Z19
UniRef90_G4MRI3
UniRef90_L8G3J7
UniRef90_UPI00032AC38E
UniRef90_K5XIT9
UniRef90_G8ZYY1
UniRef90_J4VVL4
UniRef90_C1EBR3
UniRef90_T1JFT7
UniRef90_G7DVC6
UniRef90_R4WU11
UniRef90_C5DMR2
UniRef90_M5FSL5
UniRef90_B6K593
UniRef90_Q7MYN3
UniRef90_C9SJK9
UniRef90_D8PN54
UniRef90_C5CQG3
UniRef90_X3JSN7
UniRef90_I2GZI0
UniRef90_T1FXN1
UniRef90_A0A023FA69
UniRef90_D8LHT9
UniRef90_UPI00047349B1
UniRef90_F4P7F3
UniRef90_L8J4W1
UniRef90_I0HMC1
UniRef90_M2RTC6
UniRef90_UPI00046FF498
UniRef90_Q12FF7
UniRef90_C5A9J7
UniRef90_W0TGE0
UniRef90_I0YM46
UniRef90_S8AMF9
UniRef90_K6ZZB1
UniRef90_I3CJH5
UniRef90_F5XY82
UniRef90_D4E033
UniRef90_W9YF69
UniRef90_D2TWV1
UniRef90_A7TIQ1
UniRef90_N1QNH5
UniRef90_G8JRR6
UniRef90_B2JI26
UniRef90_A0A024J879
UniRef90_J8Q6U7
UniRef90_G0V9S9
UniRef90_R8BCF4
UniRef90_D0Z0U4
UniRef90_C5DPD4
UniRef90_K8WME1
UniRef90_B0CPC0
UniRef90_G8BQJ3
UniRef90_UPI0003944F4B
UniRef90_C4LDV0
UniRef90_S3C2L6
UniRef90_V9DBW3
UniRef90_M7PHB9
UniRef90_K2K1M5
UniRef90_K2S3Z5
UniRef90_N1Q4V0
UniRef90_V7IC78
UniRef90_Q4P635
UniRef90_A5F4I9
UniRef90_G8M8T1
UniRef90_I1E2C0
UniRef90_F9S531
UniRef90_R9AB56
UniRef90_A8N0S5
UniRef90_G0W6G4
UniRef90_UPI0002B4D97D
UniRef90_UPI0003658FE7
UniRef90_UPI0003B31EE6
UniRef90_K9E490
UniRef90_B8LWR2
UniRef90_S6AE62

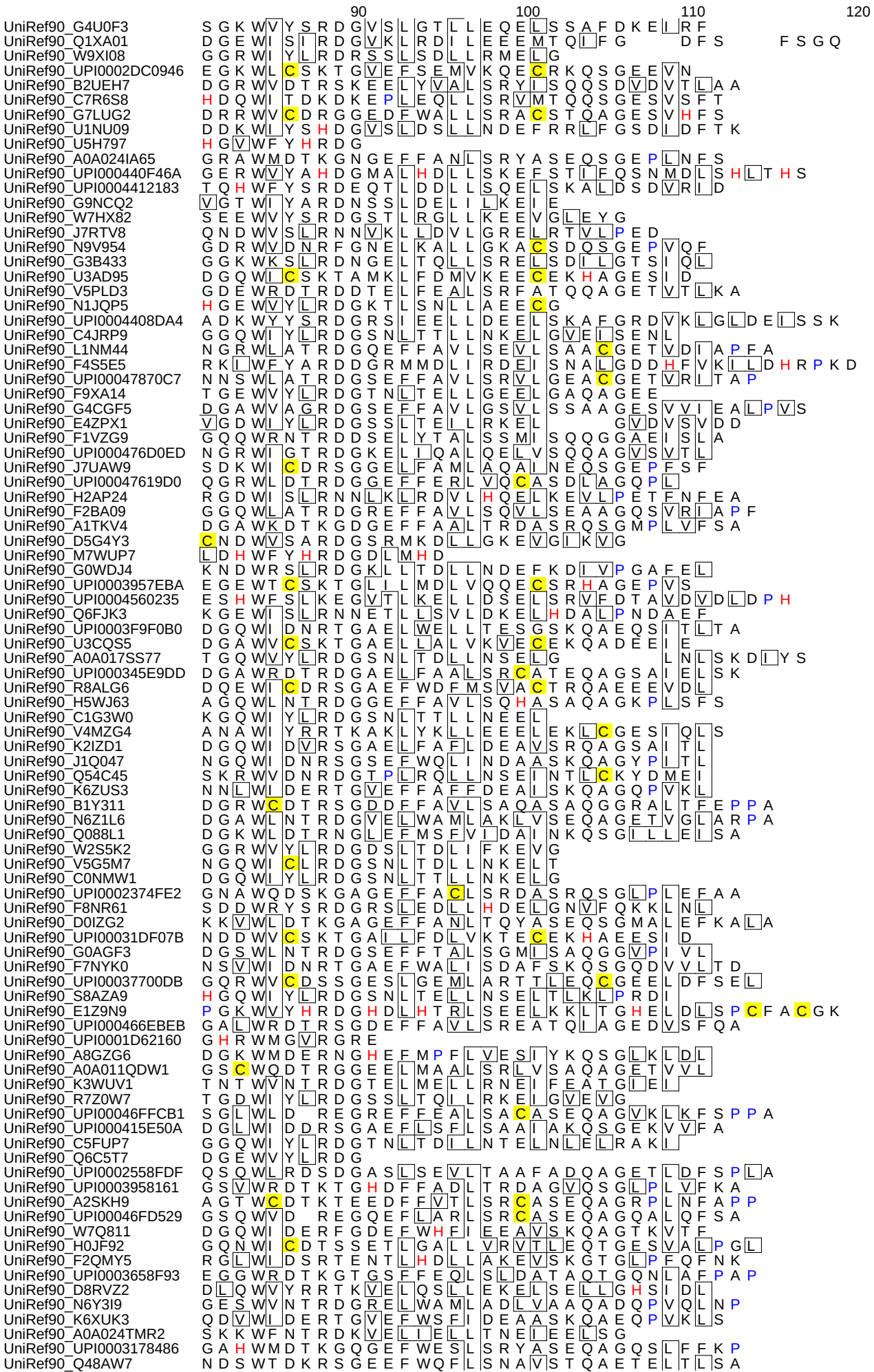

50
60
70
80
UniRef90_I2JXE3
UniRef90_W4KQ15
UniRef90_A5DKB4
UniRef90_D3V6J0
UniRef90_C7YPR6
UniRef90_A0A010QRD5
UniRef90_L7LYI3
UniRef90_Q6CNZ1
UniRef90_A9P1D6
UniRef90_O74831
UniRef90_E9ERD6
UniRef90_E9CLL1
UniRef90_V5EBD6
UniRef90_C1MW64
UniRef90_E9HSR0
UniRef90_K5WAE2
UniRef90_Q74Z19
UniRef90_G4MRI3
UniRef90_L8G3J7
UniRef90_UPI00032AC38E
UniRef90_K5XIT9
UniRef90_G8ZYY1
UniRef90_J4VVL4
UniRef90_C1EBR3
UniRef90_T1JFT7
UniRef90_G7DVC6
UniRef90_R4WU11
UniRef90_C5DMR2
UniRef90_M5FSL5
UniRef90_B6K593
UniRef90_Q7MYN3
UniRef90_C9SJK9
UniRef90_D8PN54
UniRef90_C5CQG3
UniRef90_X3JSN7
UniRef90_I2GZI0
UniRef90_T1FXN1
UniRef90_A0A023FA69
UniRef90_D8LHT9
UniRef90_UPI00047349B1
UniRef90_F4P7F3
UniRef90_L8J4W1
UniRef90_I0HMC1
UniRef90_M2RTC6
UniRef90_UPI00046FF498
UniRef90_Q12FF7
UniRef90_C5A9J7
UniRef90_W0TGE0
UniRef90_I0YM46
UniRef90_S8AMF9
UniRef90_K6ZZB1
UniRef90_I3CJH5
UniRef90_F5XY82
UniRef90_D4E033
UniRef90_W9YF69
UniRef90_D2TWV1
UniRef90_A7TIQ1
UniRef90_N1QNH5
UniRef90_G8JRR6
UniRef90_B2JI26
UniRef90_A0A024J879
UniRef90_J8Q6U7
UniRef90_G0V9S9
UniRef90_R8BCF4
UniRef90_D0Z0U4
UniRef90_C5DPD4
UniRef90_K8WME1
UniRef90_B0CPC0
UniRef90_G8BQJ3
UniRef90_UPI0003944F4B
UniRef90_C4LDV0
UniRef90_S3C2L6
UniRef90_V9DBW3
UniRef90_M7PHB9
UniRef90_K2K1M5
UniRef90_K2S3Z5
UniRef90_N1Q4V0
UniRef90_V7IC78
UniRef90_Q4P635
UniRef90_A5F4I9
UniRef90_G8M8T1
UniRef90_I1E2C0
UniRef90_F9S531
UniRef90_R9AB56
UniRef90_A8N0S5
UniRef90_G0W6G4
UniRef90_UPI0002B4D97D
UniRef90_UPI0003658FE7
UniRef90_UPI0003B31EE6
UniRef90_K9E490
UniRef90_B8LWR2
UniRef90_S6AE62


90
100
110
120
UniRef90_I2JXE3
UniRef90_W4KQ15
UniRef90_A5DKB4
UniRef90_D3V6J0
UniRef90_C7YPR6
UniRef90_A0A010QRD5
UniRef90_L7LYI3
UniRef90_Q6CNZ1
UniRef90_A9P1D6
UniRef90_O74831
UniRef90_E9ERD6
UniRef90_E9CLL1
UniRef90_V5EBD6
UniRef90_C1MW64
UniRef90_E9HSR0
UniRef90_K5WAE2
UniRef90_Q74Z19
UniRef90_G4MRI3
UniRef90_L8G3J7
UniRef90_UPI00032AC38E
UniRef90_K5XIT9
UniRef90_G8ZYY1
UniRef90_J4VVL4
UniRef90_C1EBR3
UniRef90_T1JFT7
UniRef90_G7DVC6
UniRef90_R4WU11
UniRef90_C5DMR2
UniRef90_M5FSL5
UniRef90_B6K593
UniRef90_Q7MYN3
UniRef90_C9SJK9
UniRef90_D8PN54
UniRef90_C5CQG3
UniRef90_X3JSN7
UniRef90_I2GZI0
UniRef90_T1FXN1
UniRef90_A0A023FA69
UniRef90_D8LHT9
UniRef90_UPI00047349B1
UniRef90_F4P7F3
UniRef90_L8J4W1
UniRef90_I0HMC1
UniRef90_M2RTC6
UniRef90_UPI00046FF498
UniRef90_Q12FF7
UniRef90_C5A9J7
UniRef90_W0TGE0
UniRef90_I0YM46
UniRef90_S8AMF9
UniRef90_K6ZZB1
UniRef90_I3CJH5
UniRef90_F5XY82
UniRef90_D4E033
UniRef90_W9YF69
UniRef90_D2TWV1
UniRef90_A7TIQ1
UniRef90_N1QNH5
UniRef90_G8JRR6
UniRef90_B2JI26
UniRef90_A0A024J879
UniRef90_J8Q6U7
UniRef90_G0V9S9
UniRef90_R8BCF4
UniRef90_D0Z0U4
UniRef90_C5DPD4
UniRef90_K8WME1
UniRef90_B0CPC0
UniRef90_G8BQJ3
UniRef90_UPI0003944F4B
UniRef90_C4LDV0
UniRef90_S3C2L6
UniRef90_V9DBW3
UniRef90_M7PHB9
UniRef90_K2K1M5
UniRef90_K2S3Z5
UniRef90_N1Q4V0
UniRef90_V7IC78
UniRef90_Q4P635
UniRef90_A5F4I9
UniRef90_G8M8T1
UniRef90_I1E2C0
UniRef90_F9S531
UniRef90_R9AB56
UniRef90_A8N0S5
UniRef90_G0W6G4
UniRef90_UPI0002B4D97D
UniRef90_UPI0003658FE7
UniRef90_UPI0003B31EE6
UniRef90_K9E490
UniRef90_B8LWR2
UniRef90_S6AE62

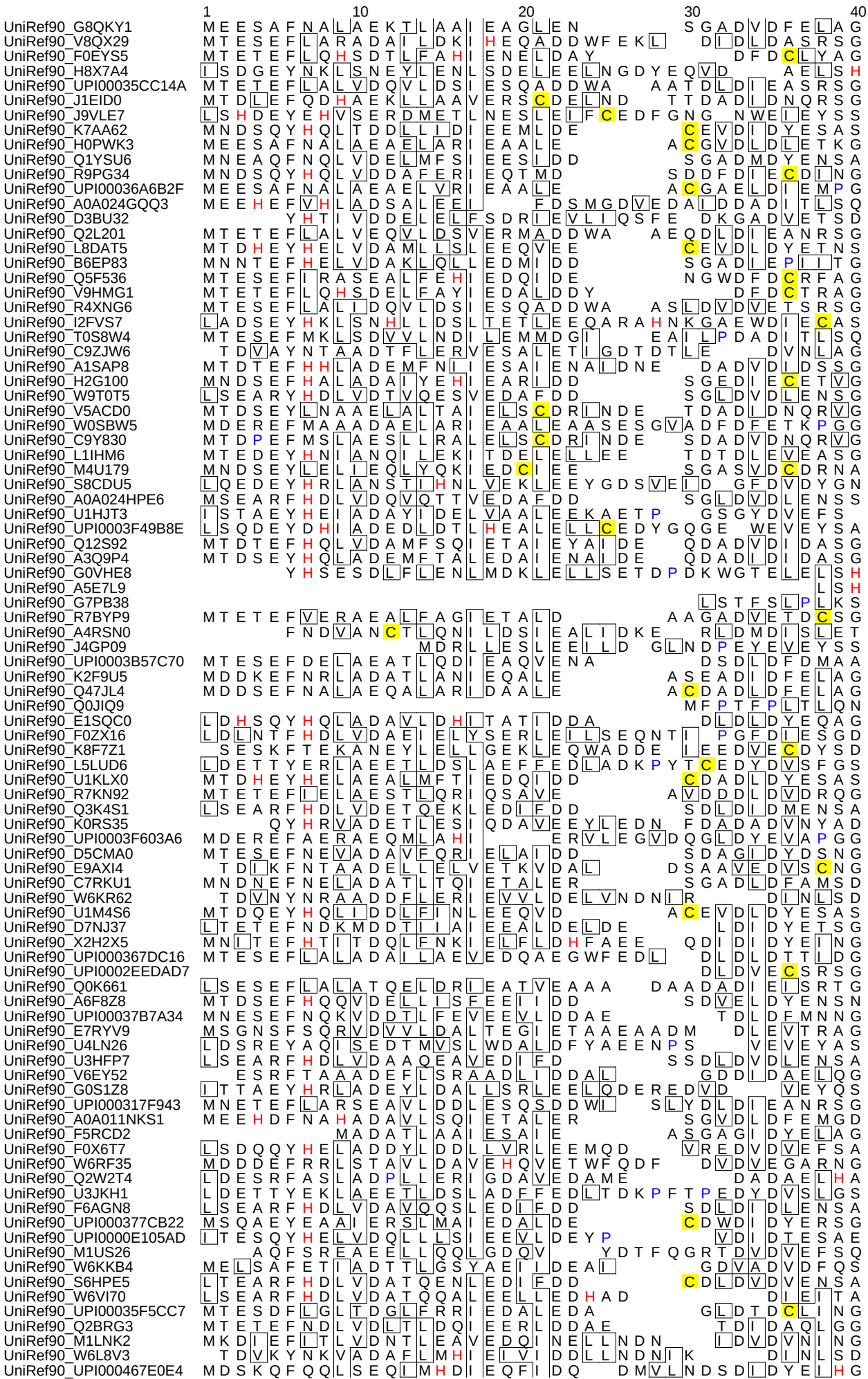
UniRef90_I2JXE3
UniRef90_W4KQ15
UniRef90_A5DKB4
UniRef90_D3V6J0
UniRef90_C7YPR6
UniRef90_A0A010QRD5
UniRef90_L7LYI3
UniRef90_Q6CNZ1
UniRef90_A9P1D6
UniRef90_O74831
UniRef90_E9ERD6
UniRef90_E9CLL1
UniRef90_V5EBD6
UniRef90_C1MW64
UniRef90_E9HSR0
UniRef90_K5WAE2
UniRef90_Q74Z19
UniRef90_G4MRI3
UniRef90_L8G3J7
UniRef90_UPI00032AC38E
UniRef90_K5XIT9
UniRef90_G8ZYY1
UniRef90_J4VVL4
UniRef90_C1EBR3
UniRef90_T1JFT7
UniRef90_G7DVC6 A
UniRef90_R4WU11
UniRef90_C5DMR2
UniRef90_M5FSL5
UniRef90_B6K593
UniRef90_Q7MYN3
UniRef90_C9SJK9
UniRef90_D8PN54
UniRef90_C5CQG3
UniRef90_X3JSN7
UniRef90_I2GZI0
UniRef90_T1FXN1
UniRef90_A0A023FA69
UniRef90_D8LHT9
UniRef90_UPI00047349B1
UniRef90_F4P7F3
UniRef90_L8J4W1
UniRef90_I0HMC1
UniRef90_M2RTC6
UniRef90_UPI00046FF498
UniRef90_Q12FF7
UniRef90_C5A9J7
UniRef90_W0TGE0
UniRef90_I0YM46
UniRef90_S8AMF9
UniRef90_K6ZZB1
UniRef90_I3CJH5
UniRef90_F5XY82
UniRef90_D4E033
UniRef90_W9YF69
UniRef90_D2TWV1
UniRef90_A7TIQ1
UniRef90_N1QNH5
UniRef90_G8JRR6
UniRef90_B2JI26
UniRef90_A0A024J879
UniRef90_J8Q6U7
UniRef90_G0V9S9
UniRef90_R8BCF4
UniRef90_D0Z0U4
UniRef90_C5DPD4
UniRef90_K8WME1
UniRef90_B0CPC0
UniRef90_G8BQJ3
UniRef90_UPI0003944F4B
UniRef90_C4LDV0
UniRef90_S3C2L6
UniRef90_V9DBW3 A
UniRef90_M7PHB9
UniRef90_K2K1M5
UniRef90_K2S3Z5
UniRef90_N1Q4V0
UniRef90_V7IC78
UniRef90_Q4P635
UniRef90_A5F4I9
UniRef90_G8M8T1
UniRef90_I1E2C0
UniRef90_F9S531
UniRef90_R9AB56
UniRef90_A8N0S5
UniRef90_G0W6G4
UniRef90_UPI0002B4D97D
UniRef90_UPI0003658FE7
UniRef90_UPI0003B31EE6
UniRef90_K9E490
UniRef90_B8LWR2
UniRef90_S6AE62

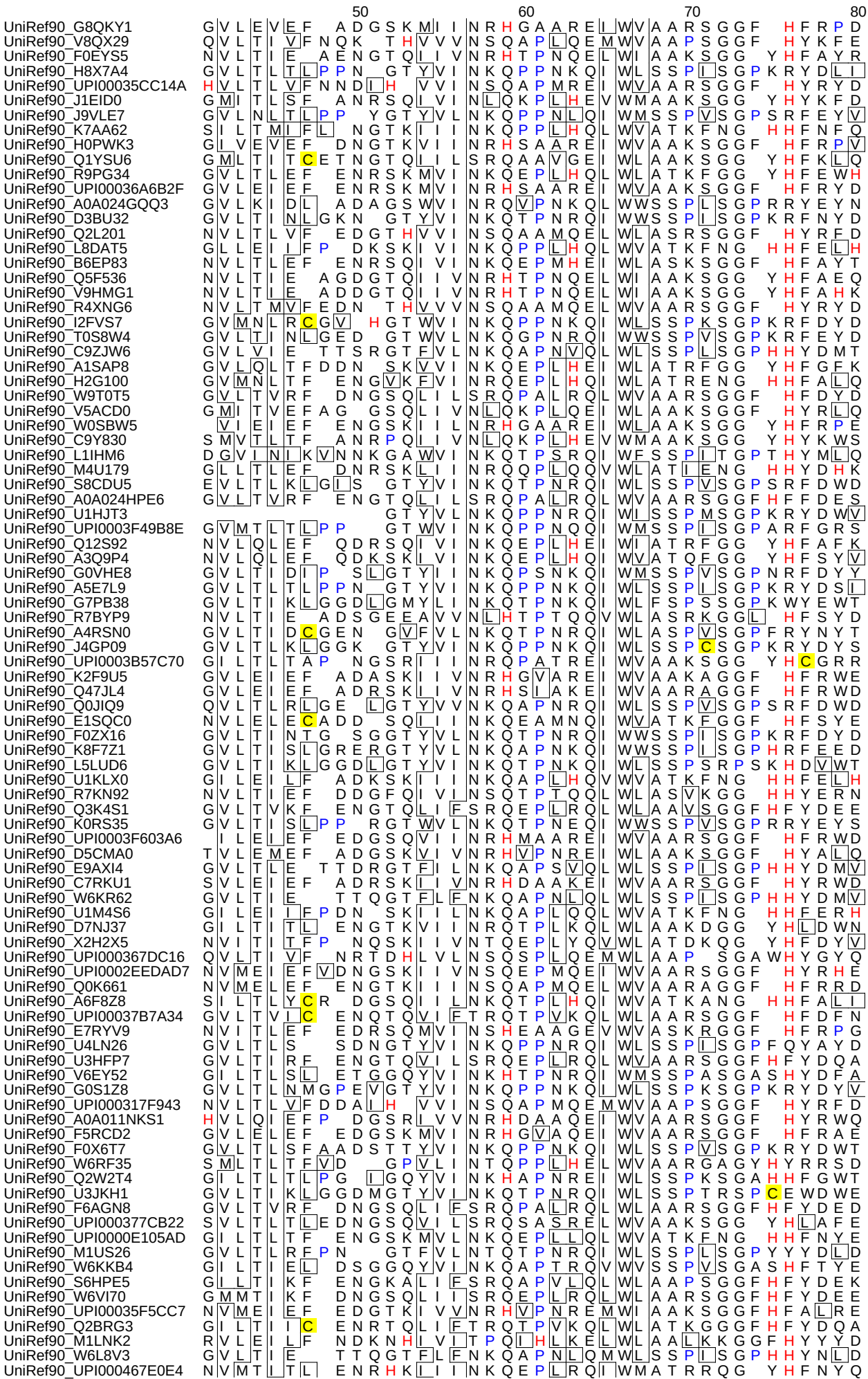

1
10
20
30
40
UniRef90_G4U0F3
UniRef90_Q1XA01
UniRef90_W9XI08
UniRef90_UPI0002DC0946
UniRef90_B2UEH7
UniRef90_C7R6S8
UniRef90_G7LUG2
UniRef90_U1NU09
UniRef90_U5H797
UniRef90_A0A024IA65
UniRef90_UPI000440F46A
UniRef90_UPI0004412183
UniRef90_G9NCQ2
UniRef90_W7HX82
UniRef90_J7RTV8
UniRef90_N9V954
UniRef90_G3B433
UniRef90_U3AD95
UniRef90_V5PLD3
UniRef90_N1JQP5
UniRef90_UPI0004408DA4
UniRef90_C4JRP9
UniRef90_L1NM44
UniRef90_F4S5E5
UniRef90_UPI00047870C7
UniRef90_F9XA14
UniRef90_G4CGF5
UniRef90_E4ZPX1
UniRef90_F1VZG9
UniRef90_UPI000476D0ED
UniRef90_J7UAW9
UniRef90_UPI00047619D0
UniRef90_H2AP24
UniRef90_F2BA09
UniRef90_A1TKV4
UniRef90_D5G4Y3
UniRef90_M7WUP7
UniRef90_G0WDJ4
UniRef90_UPI0003957EBA
UniRef90_UPI0004560235
UniRef90_Q6FJK3
UniRef90_UPI0003F9F0B0
UniRef90_U3CQS5
UniRef90_A0A017SS77
UniRef90_UPI000345E9DD
UniRef90_R8ALG6
UniRef90_H5WJ63
UniRef90_C1G3W0
UniRef90_V4MZG4
UniRef90_K2IZD1
UniRef90_J1Q047
UniRef90_Q54C45
UniRef90_K6ZUS3
UniRef90_B1Y311
UniRef90_N6Z1L6
UniRef90_Q088L1
UniRef90_W2S5K2
UniRef90_V5G5M7
UniRef90_C0NMW1
UniRef90_UPI0002374FE2
UniRef90_F8NR61
UniRef90_D0IZG2
UniRef90_UPI00031DF07B
UniRef90_G0AGF3
UniRef90_F7NYK0
UniRef90_UPI00037700DB
UniRef90_S8AZA9
UniRef90_E1Z9N9
UniRef90_UPI000466EBEB
UniRef90_UPI0001D62160
UniRef90_A8GZG6
UniRef90_A0A011QDW1
UniRef90_K3WUV1
UniRef90_R7Z0W7
UniRef90_UPI00046FFCB1
UniRef90_UPI000415E50A
UniRef90_C5FUP7
UniRef90_Q6C5T7
UniRef90_UPI0002558FDF
UniRef90_UPI0003958161
UniRef90_A2SKH9
UniRef90_UPI00046FD529
UniRef90_W7Q811
UniRef90_H0JF92
UniRef90_F2QMY5
UniRef90_UPI0003658F93
UniRef90_D8RVZ2
UniRef90_N6Y3I9
UniRef90_K6XUK3
UniRef90_A0A024TMR2
UniRef90_UPI0003178486
UniRef90_Q48AW7

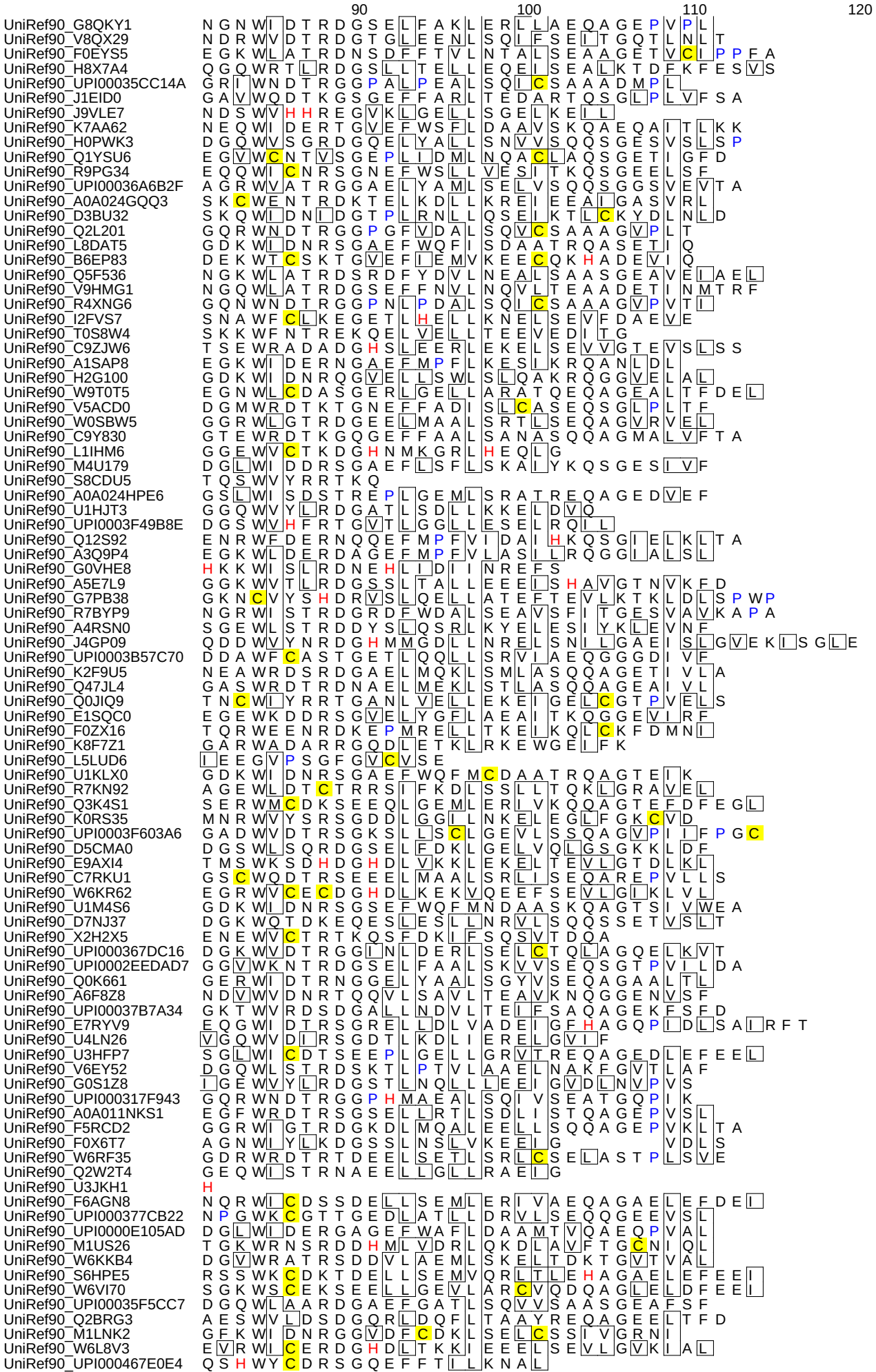

50
60
70
80
UniRef90_G4U0F3
UniRef90_Q1XA01
UniRef90_W9XI08
UniRef90_UPI0002DC0946
UniRef90_B2UEH7
UniRef90_C7R6S8
UniRef90_G7LUG2
UniRef90_U1NU09
UniRef90_U5H797
UniRef90_A0A024IA65
UniRef90_UPI000440F46A
UniRef90_UPI0004412183
UniRef90_G9NCQ2
UniRef90_W7HX82
UniRef90_J7RTV8
UniRef90_N9V954
UniRef90_G3B433
UniRef90_U3AD95
UniRef90_V5PLD3
UniRef90_N1JQP5
UniRef90_UPI0004408DA4
UniRef90_C4JRP9
UniRef90_L1NM44
UniRef90_F4S5E5
UniRef90_UPI00047870C7
UniRef90_F9XA14
UniRef90_G4CGF5
UniRef90_E4ZPX1
UniRef90_F1VZG9
UniRef90_UPI000476D0ED
UniRef90_J7UAW9
UniRef90_UPI00047619D0
UniRef90_H2AP24
UniRef90_F2BA09
UniRef90_A1TKV4
UniRef90_D5G4Y3
UniRef90_M7WUP7
UniRef90_G0WDJ4
UniRef90_UPI0003957EBA
UniRef90_UPI0004560235
UniRef90_Q6FJK3
UniRef90_UPI0003F9F0B0
UniRef90_U3CQS5
UniRef90_A0A017SS77
UniRef90_UPI000345E9DD
UniRef90_R8ALG6
UniRef90_H5WJ63
UniRef90_C1G3W0
UniRef90_V4MZG4
UniRef90_K2IZD1
UniRef90_J1Q047
UniRef90_Q54C45
UniRef90_K6ZUS3
UniRef90_B1Y311
UniRef90_N6Z1L6
UniRef90_Q088L1
UniRef90_W2S5K2
UniRef90_V5G5M7
UniRef90_C0NMW1
UniRef90_UPI0002374FE2
UniRef90_F8NR61
UniRef90_D0IZG2
UniRef90_UPI00031DF07B
UniRef90_G0AGF3
UniRef90_F7NYK0
UniRef90_UPI00037700DB
UniRef90_S8AZA9
UniRef90_E1Z9N9
UniRef90_UPI000466EBEB
UniRef90_UPI0001D62160
UniRef90_A8GZG6
UniRef90_A0A011QDW1
UniRef90_K3WUV1
UniRef90_R7Z0W7
UniRef90_UPI00046FFCB1
UniRef90_UPI000415E50A
UniRef90_C5FUP7
UniRef90_Q6C5T7
UniRef90_UPI0002558FDF
UniRef90_UPI0003958161
UniRef90_A2SKH9
UniRef90_UPI00046FD529
UniRef90_W7Q811
UniRef90_H0JF92
UniRef90_F2QMY5
UniRef90_UPI0003658F93
UniRef90_D8RVZ2
UniRef90_N6Y3I9
UniRef90_K6XUK3
UniRef90_A0A024TMR2
UniRef90_UPI0003178486
UniRef90_Q48AW7


90
100
110
120
UniRef90_G4U0F3
UniRef90_Q1XA01
UniRef90_W9XI08
UniRef90_UPI0002DC0946
UniRef90_B2UEH7
UniRef90_C7R6S8
UniRef90_G7LUG2
UniRef90_U1NU09
UniRef90_U5H797
UniRef90_A0A024IA65
UniRef90_UPI000440F46A
UniRef90_UPI0004412183
UniRef90_G9NCQ2
UniRef90_W7HX82
UniRef90_J7RTV8
UniRef90_N9V954
UniRef90_G3B433
UniRef90_U3AD95
UniRef90_V5PLD3
UniRef90_N1JQP5
UniRef90_UPI0004408DA4
UniRef90_C4JRP9
UniRef90_L1NM44
UniRef90_F4S5E5
UniRef90_UPI00047870C7
UniRef90_F9XA14
UniRef90_G4CGF5
UniRef90_E4ZPX1
UniRef90_F1VZG9
UniRef90_UPI000476D0ED
UniRef90_J7UAW9
UniRef90_UPI00047619D0
UniRef90_H2AP24
UniRef90_F2BA09
UniRef90_A1TKV4
UniRef90_D5G4Y3
UniRef90_M7WUP7
UniRef90_G0WDJ4
UniRef90_UPI0003957EBA
UniRef90_UPI0004560235
UniRef90_Q6FJK3
UniRef90_UPI0003F9F0B0
UniRef90_U3CQS5
UniRef90_A0A017SS77
UniRef90_UPI000345E9DD
UniRef90_R8ALG6
UniRef90_H5WJ63
UniRef90_C1G3W0
UniRef90_V4MZG4
UniRef90_K2IZD1
UniRef90_J1Q047
UniRef90_Q54C45
UniRef90_K6ZUS3
UniRef90_B1Y311
UniRef90_N6Z1L6
UniRef90_Q088L1
UniRef90_W2S5K2
UniRef90_V5G5M7
UniRef90_C0NMW1
UniRef90_UPI0002374FE2
UniRef90_F8NR61
UniRef90_D0IZG2
UniRef90_UPI00031DF07B
UniRef90_G0AGF3
UniRef90_F7NYK0
UniRef90_UPI00037700DB
UniRef90_S8AZA9
UniRef90_E1Z9N9
UniRef90_UPI000466EBEB
UniRef90_UPI0001D62160
UniRef90_A8GZG6
UniRef90_A0A011QDW1
UniRef90_K3WUV1
UniRef90_R7Z0W7
UniRef90_UPI00046FFCB1
UniRef90_UPI000415E50A
UniRef90_C5FUP7
UniRef90_Q6C5T7
UniRef90_UPI0002558FDF
UniRef90_UPI0003958161
UniRef90_A2SKH9
UniRef90_UPI00046FD529
UniRef90_W7Q811
UniRef90_H0JF92
UniRef90_F2QMY5
UniRef90_UPI0003658F93
UniRef90_D8RVZ2
UniRef90_N6Y3I9
UniRef90_K6XUK3
UniRef90_A0A024TMR2
UniRef90_UPI0003178486
UniRef90_Q48AW7

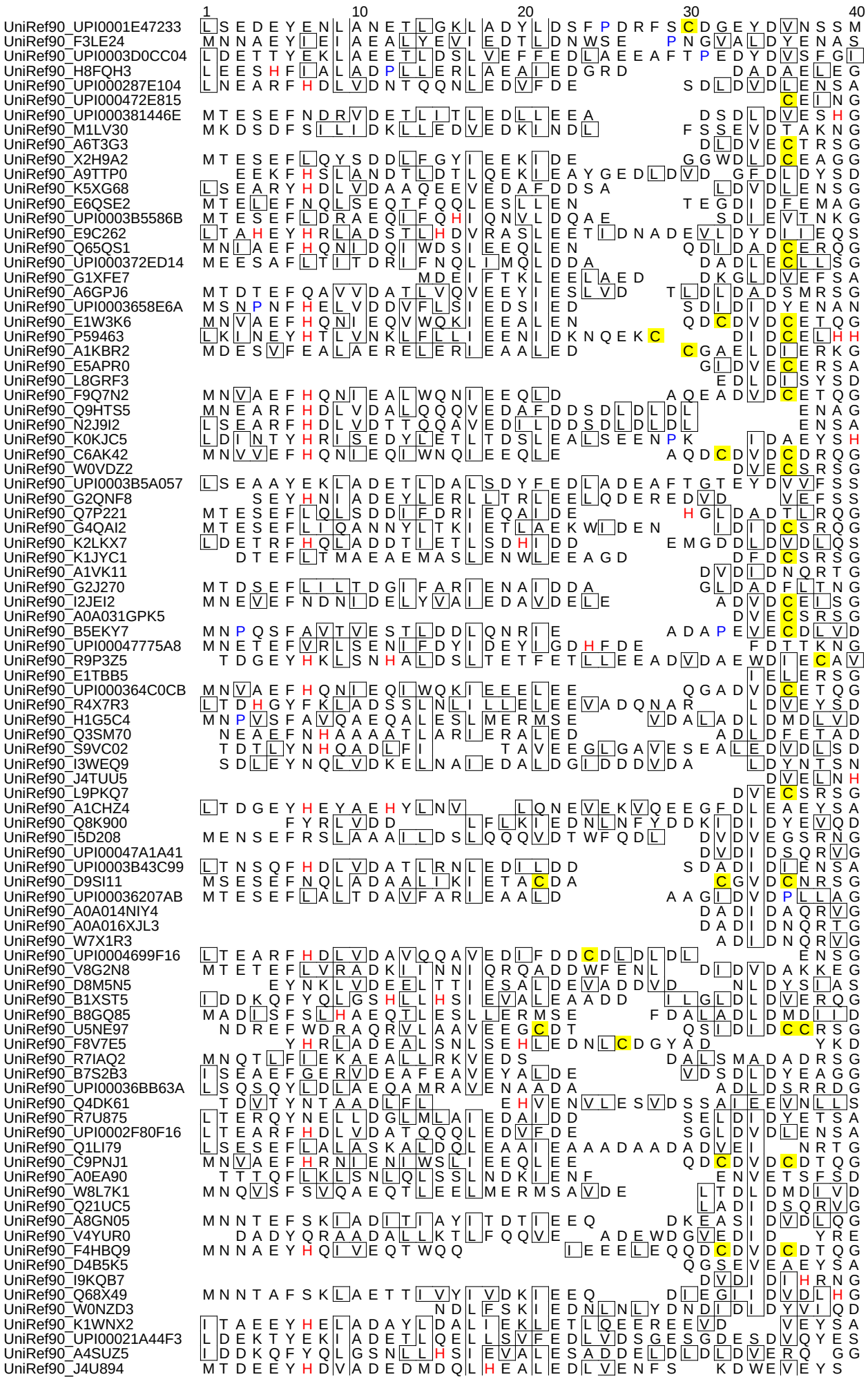
UniRef90_G4U0F3
UniRef90_Q1XA01
UniRef90_W9XI08
UniRef90_UPI0002DC0946
UniRef90_B2UEH7
UniRef90_C7R6S8
UniRef90_G7LUG2
UniRef90_U1NU09
UniRef90_U5H797
UniRef90_A0A024IA65
UniRef90_UPI000440F46A
UniRef90_UPI0004412183
UniRef90_G9NCQ2
UniRef90_W7HX82
UniRef90_J7RTV8
UniRef90_N9V954
UniRef90_G3B433
UniRef90_U3AD95
UniRef90_V5PLD3
UniRef90_N1JQP5
UniRef90_UPI0004408DA4
UniRef90_C4JRP9
UniRef90_L1NM44
UniRef90_F4S5E5
UniRef90_UPI00047870C7
UniRef90_F9XA14
UniRef90_G4CGF5
UniRef90_E4ZPX1
UniRef90_F1VZG9
UniRef90_UPI000476D0ED
UniRef90_J7UAW9
UniRef90_UPI00047619D0
UniRef90_H2AP24
UniRef90_F2BA09
UniRef90_A1TKV4
UniRef90_D5G4Y3
UniRef90_M7WUP7
UniRef90_G0WDJ4
UniRef90_UPI0003957EBA
UniRef90_UPI0004560235
UniRef90_Q6FJK3
UniRef90_UPI0003F9F0B0
UniRef90_U3CQS5
UniRef90_A0A017SS77
UniRef90_UPI000345E9DD
UniRef90_R8ALG6
UniRef90_H5WJ63
UniRef90_C1G3W0
UniRef90_V4MZG4
UniRef90_K2IZD1
UniRef90_J1Q047
UniRef90_Q54C45
UniRef90_K6ZUS3
UniRef90_B1Y311
UniRef90_N6Z1L6
UniRef90_Q088L1
UniRef90_W2S5K2
UniRef90_V5G5M7
UniRef90_C0NMW1
UniRef90_UPI0002374FE2
UniRef90_F8NR61
UniRef90_D0IZG2
UniRef90_UPI00031DF07B
UniRef90_G0AGF3
UniRef90_F7NYK0
UniRef90_UPI00037700DB
UniRef90_S8AZA9
UniRef90_E1Z9N9
UniRef90_UPI000466EBEB
UniRef90_UPI0001D62160
UniRef90_A8GZG6
UniRef90_A0A011QDW1
UniRef90_K3WUV1
UniRef90_R7Z0W7
UniRef90_UPI00046FFCB1
UniRef90_UPI000415E50A
UniRef90_C5FUP7
UniRef90_Q6C5T7
UniRef90_UPI0002558FDF
UniRef90_UPI0003958161
UniRef90_A2SKH9
UniRef90_UPI00046FD529
UniRef90_W7Q811
UniRef90_H0JF92
UniRef90_F2QMY5
UniRef90_UPI0003658F93
UniRef90_D8RVZ2
UniRef90_N6Y3I9
UniRef90_K6XUK3
UniRef90_A0A024TMR2
UniRef90_UPI0003178486
UniRef90_Q48AW7

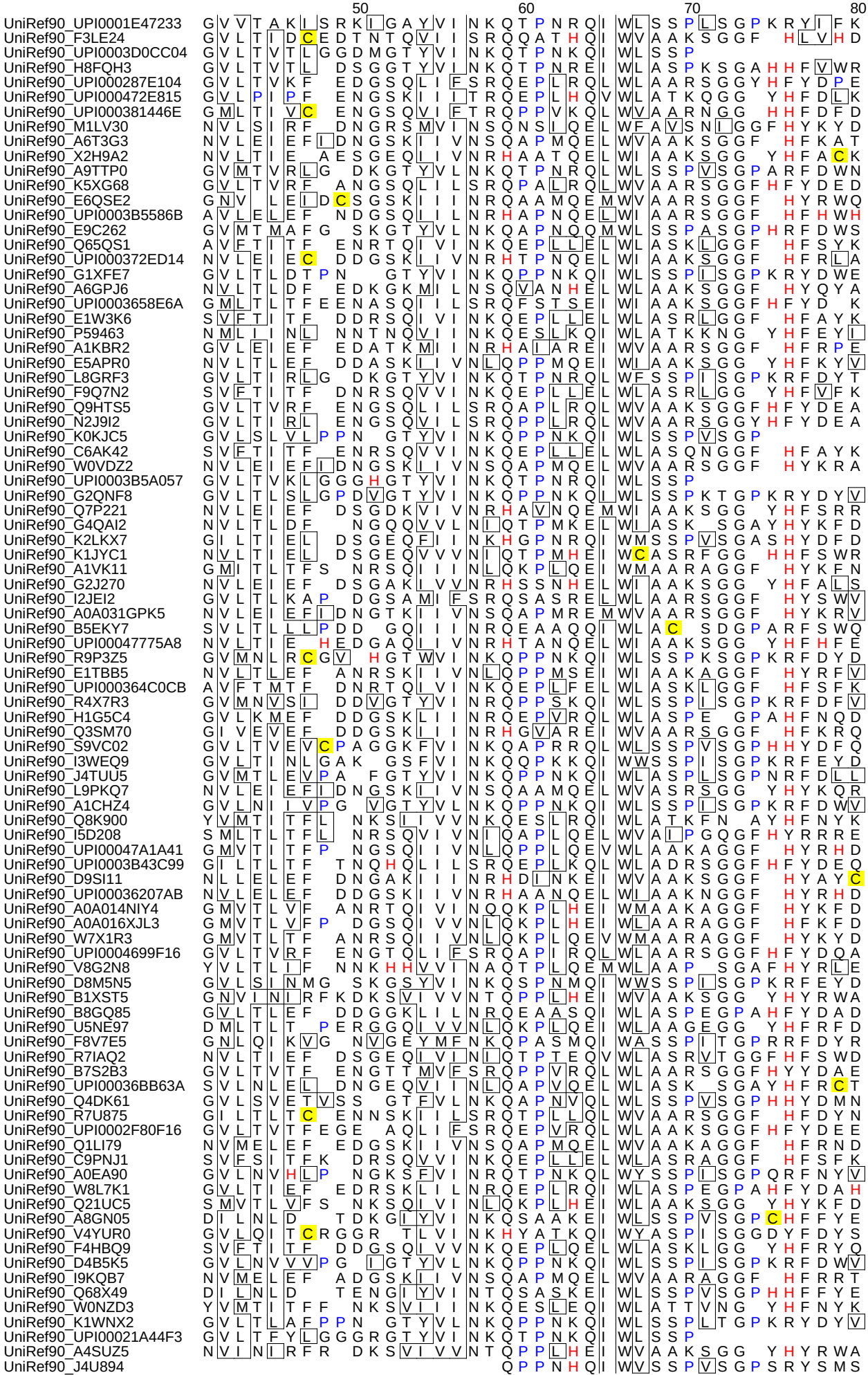

1
10
20
30
40
UniRef90_G8QKY1
UniRef90_V8QX29
UniRef90_F0EYS5
UniRef90_H8X7A4
UniRef90_UPI00035CC14A
UniRef90_J1EID0
UniRef90_J9VLE7
UniRef90_K7AA62
UniRef90_H0PWK3
UniRef90_Q1YSU6
UniRef90_R9PG34
UniRef90_UPI00036A6B2F
UniRef90_A0A024GQQ3
UniRef90_D3BU32
UniRef90_Q2L201
UniRef90_L8DAT5
UniRef90_B6EP83
UniRef90_Q5F536
UniRef90_V9HMG1
UniRef90_R4XNG6
UniRef90_I2FVS7
UniRef90_T0S8W4
UniRef90_C9ZJW6
UniRef90_A1SAP8
UniRef90_H2G100
UniRef90_W9T0T5
UniRef90_V5ACD0
UniRef90_W0SBW5
UniRef90_C9Y830
UniRef90_L1IHM6
UniRef90_M4U179
UniRef90_S8CDU5
UniRef90_A0A024HPE6
UniRef90_U1HJT3
UniRef90_UPI0003F49B8E
UniRef90_Q12S92
UniRef90_A3Q9P4
UniRef90_G0VHE8
UniRef90_A5E7L9
UniRef90_G7PB38
UniRef90_R7BYP9
UniRef90_A4RSN0
UniRef90_J4GP09
UniRef90_UPI0003B57C70
UniRef90_K2F9U5
UniRef90_Q47JL4
UniRef90_Q0JIQ9
UniRef90_E1SQC0
UniRef90_F0ZX16
UniRef90_K8F7Z1
UniRef90_L5LUD6
UniRef90_U1KLX0
UniRef90_R7KN92
UniRef90_Q3K4S1
UniRef90_K0RS35
UniRef90_UPI0003F603A6
UniRef90_D5CMA0
UniRef90_E9AXI4
UniRef90_C7RKU1
UniRef90_W6KR62
UniRef90_U1M4S6
UniRef90_D7NJ37
UniRef90_X2H2X5
UniRef90_UPI000367DC16
UniRef90_UPI0002EEDAD7
UniRef90_Q0K661
UniRef90_A6F8Z8
UniRef90_UPI00037B7A34
UniRef90_E7RYV9
UniRef90_U4LN26
UniRef90_U3HFP7
UniRef90_V6EY52
UniRef90_G0S1Z8
UniRef90_UPI000317F943
UniRef90_A0A011NKS1
UniRef90_F5RCD2
UniRef90_F0X6T7
UniRef90_W6RF35
UniRef90_Q2W2T4
UniRef90_U3JKH1
UniRef90_F6AGN8
UniRef90_UPI000377CB22
UniRef90_UPI0000E105AD
UniRef90_M1US26
UniRef90_W6KKB4
UniRef90_S6HPE5
UniRef90_W6VI70
UniRef90_UPI00035F5CC7
UniRef90_Q2BRG3
UniRef90_M1LNK2
UniRef90_W6L8V3
UniRef90_UPI000467E0E4

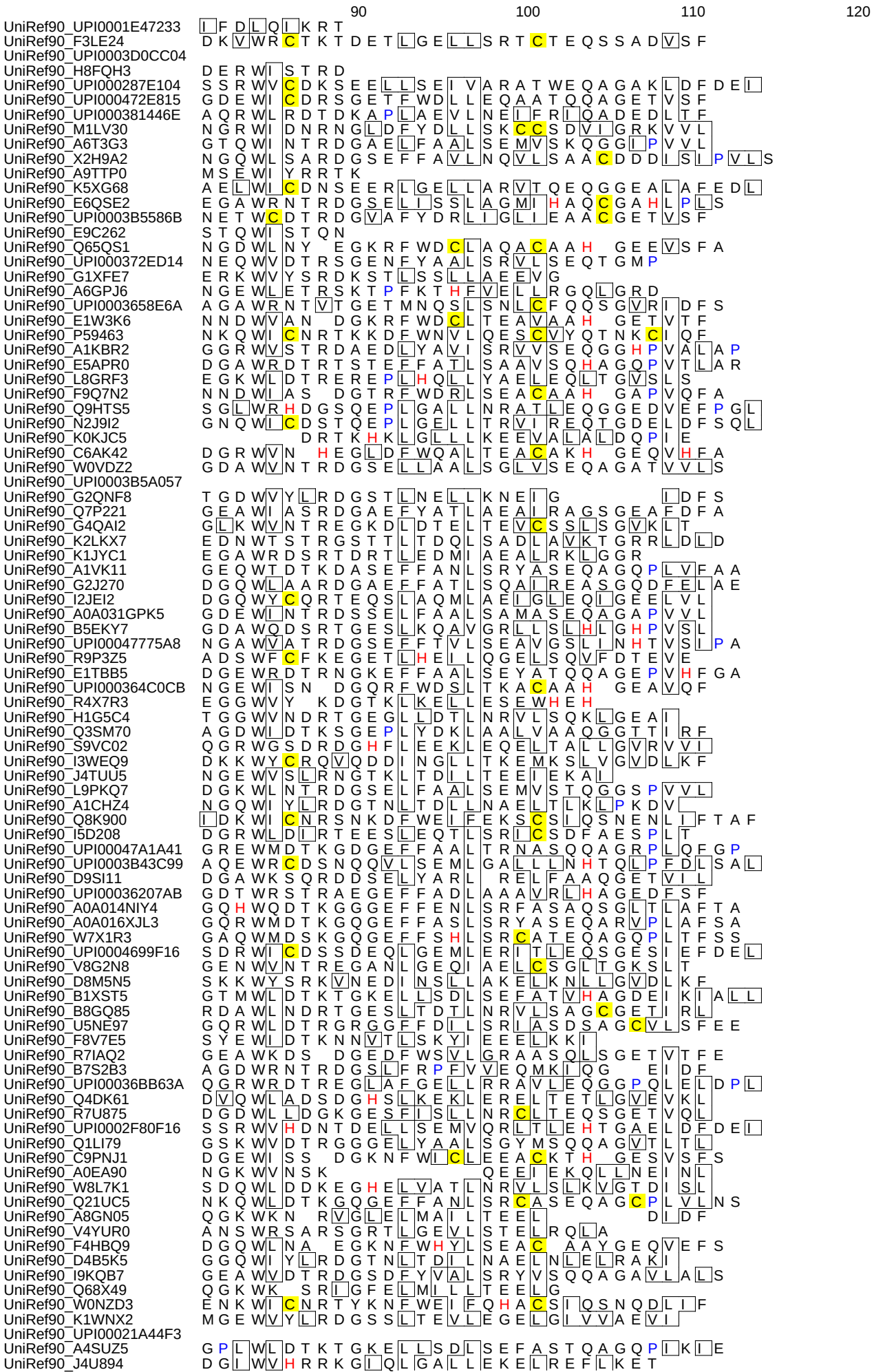

50
60
70
80
UniRef90_G8QKY1
UniRef90_V8QX29
UniRef90_F0EYS5
UniRef90_H8X7A4
UniRef90_UPI00035CC14A
UniRef90_J1EID0
UniRef90_J9VLE7
UniRef90_K7AA62
UniRef90_H0PWK3
UniRef90_Q1YSU6
UniRef90_R9PG34
UniRef90_UPI00036A6B2F
UniRef90_A0A024GQQ3
UniRef90_D3BU32
UniRef90_Q2L201
UniRef90_L8DAT5
UniRef90_B6EP83
UniRef90_Q5F536
UniRef90_V9HMG1
UniRef90_R4XNG6
UniRef90_I2FVS7
UniRef90_T0S8W4
UniRef90_C9ZJW6
UniRef90_A1SAP8
UniRef90_H2G100
UniRef90_W9T0T5
UniRef90_V5ACD0
UniRef90_W0SBW5
UniRef90_C9Y830
UniRef90_L1IHM6
UniRef90_M4U179
UniRef90_S8CDU5
UniRef90_A0A024HPE6
UniRef90_U1HJT3
UniRef90_UPI0003F49B8E
UniRef90_Q12S92
UniRef90_A3Q9P4
UniRef90_G0VHE8
UniRef90_A5E7L9
UniRef90_G7PB38
UniRef90_R7BYP9
UniRef90_A4RSN0
UniRef90_J4GP09
UniRef90_UPI0003B57C70
UniRef90_K2F9U5
UniRef90_Q47JL4
UniRef90_Q0JIQ9
UniRef90_E1SQC0
UniRef90_F0ZX16
UniRef90_K8F7Z1
UniRef90_L5LUD6
UniRef90_U1KLX0
UniRef90_R7KN92
UniRef90_Q3K4S1
UniRef90_K0RS35
UniRef90_UPI0003F603A6
UniRef90_D5CMA0
UniRef90_E9AXI4
UniRef90_C7RKU1
UniRef90_W6KR62
UniRef90_U1M4S6
UniRef90_D7NJ37
UniRef90_X2H2X5
UniRef90_UPI000367DC16
UniRef90_UPI0002EEDAD7
UniRef90_Q0K661
UniRef90_A6F8Z8
UniRef90_UPI00037B7A34
UniRef90_E7RYV9
UniRef90_U4LN26
UniRef90_U3HFP7
UniRef90_V6EY52
UniRef90_G0S1Z8
UniRef90_UPI000317F943
UniRef90_A0A011NKS1
UniRef90_F5RCD2
UniRef90_F0X6T7
UniRef90_W6RF35
UniRef90_Q2W2T4
UniRef90_U3JKH1
UniRef90_F6AGN8
UniRef90_UPI000377CB22
UniRef90_UPI0000E105AD
UniRef90_M1US26
UniRef90_W6KKB4
UniRef90_S6HPE5
UniRef90_W6VI70
UniRef90_UPI00035F5CC7
UniRef90_Q2BRG3
UniRef90_M1LNK2
UniRef90_W6L8V3
UniRef90_UPI000467E0E4


90
100
110
120
UniRef90_G8QKY1
UniRef90_V8QX29
UniRef90_F0EYS5
UniRef90_H8X7A4
UniRef90_UPI00035CC14A
UniRef90_J1EID0
UniRef90_J9VLE7
UniRef90_K7AA62
UniRef90_H0PWK3
UniRef90_Q1YSU6
UniRef90_R9PG34
UniRef90_UPI00036A6B2F
UniRef90_A0A024GQQ3
UniRef90_D3BU32
UniRef90_Q2L201
UniRef90_L8DAT5
UniRef90_B6EP83
UniRef90_Q5F536
UniRef90_V9HMG1
UniRef90_R4XNG6
UniRef90_I2FVS7
UniRef90_T0S8W4
UniRef90_C9ZJW6
UniRef90_A1SAP8
UniRef90_H2G100
UniRef90_W9T0T5
UniRef90_V5ACD0
UniRef90_W0SBW5
UniRef90_C9Y830
UniRef90_L1IHM6
UniRef90_M4U179
UniRef90_S8CDU5
UniRef90_A0A024HPE6
UniRef90_U1HJT3
UniRef90_UPI0003F49B8E
UniRef90_Q12S92
UniRef90_A3Q9P4
UniRef90_G0VHE8
UniRef90_A5E7L9
UniRef90_G7PB38
UniRef90_R7BYP9
UniRef90_A4RSN0
UniRef90_J4GP09
UniRef90_UPI0003B57C70
UniRef90_K2F9U5
UniRef90_Q47JL4
UniRef90_Q0JIQ9
UniRef90_E1SQC0
UniRef90_F0ZX16
UniRef90_K8F7Z1
UniRef90_L5LUD6
UniRef90_U1KLX0
UniRef90_R7KN92
UniRef90_Q3K4S1
UniRef90_K0RS35
UniRef90_UPI0003F603A6
UniRef90_D5CMA0
UniRef90_E9AXI4
UniRef90_C7RKU1
UniRef90_W6KR62
UniRef90_U1M4S6
UniRef90_D7NJ37
UniRef90_X2H2X5
UniRef90_UPI000367DC16
UniRef90_UPI0002EEDAD7
UniRef90_Q0K661
UniRef90_A6F8Z8
UniRef90_UPI00037B7A34
UniRef90_E7RYV9
UniRef90_U4LN26
UniRef90_U3HFP7
UniRef90_V6EY52
UniRef90_G0S1Z8
UniRef90_UPI000317F943
UniRef90_A0A011NKS1
UniRef90_F5RCD2
UniRef90_F0X6T7
UniRef90_W6RF35
UniRef90_Q2W2T4
UniRef90_U3JKH1
UniRef90_F6AGN8
UniRef90_UPI000377CB22
UniRef90_UPI0000E105AD
UniRef90_M1US26
UniRef90_W6KKB4
UniRef90_S6HPE5
UniRef90_W6VI70
UniRef90_UPI00035F5CC7
UniRef90_Q2BRG3
UniRef90_M1LNK2
UniRef90_W6L8V3
UniRef90_UPI000467E0E4

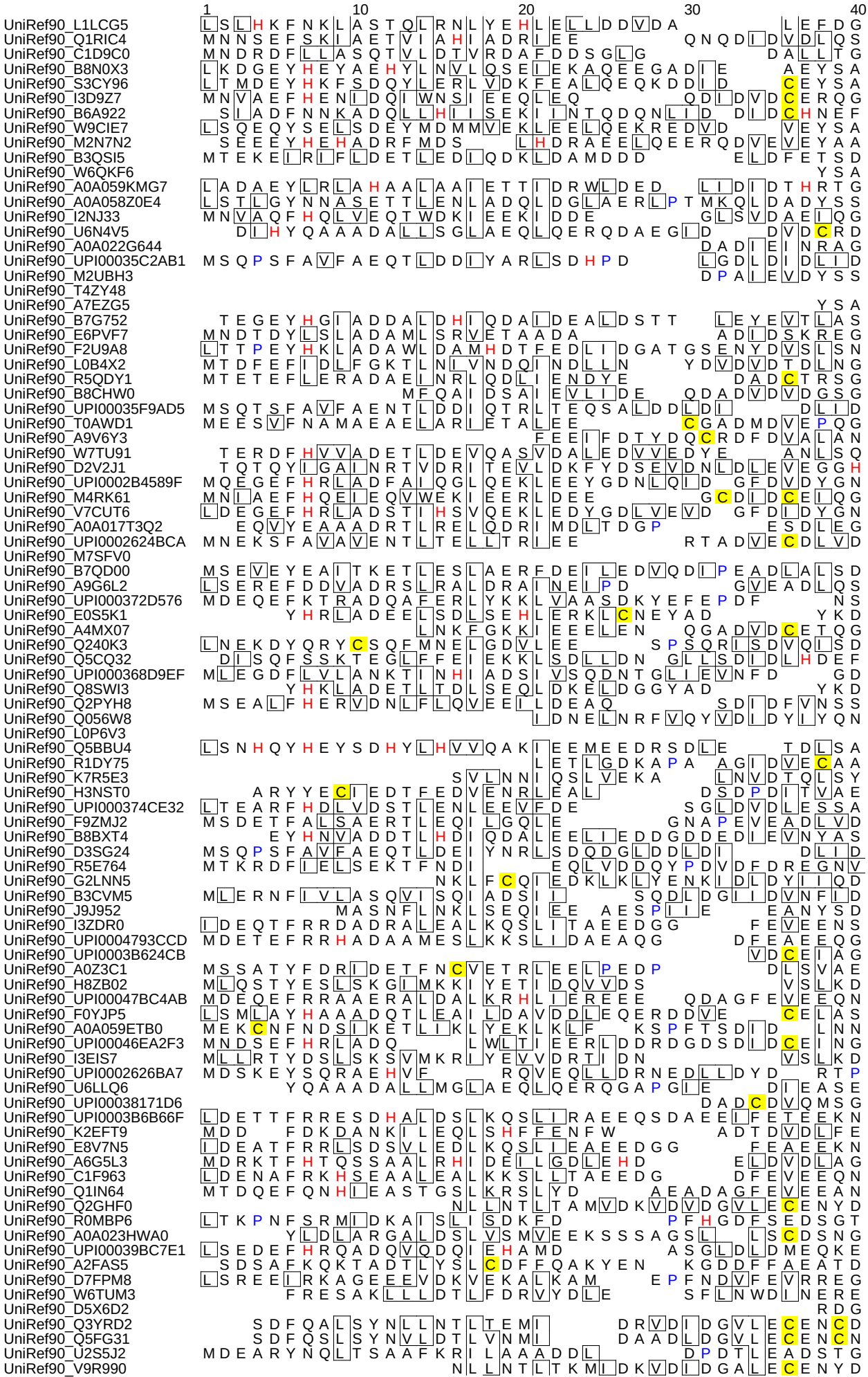
UniRef90_G8QKY1
UniRef90_V8QX29
UniRef90_F0EYS5
UniRef90_H8X7A4
UniRef90_UPI00035CC14A
UniRef90_J1EID0
UniRef90_J9VLE7
UniRef90_K7AA62
UniRef90_H0PWK3
UniRef90_Q1YSU6
UniRef90_R9PG34
UniRef90_UPI00036A6B2F
UniRef90_A0A024GQQ3
UniRef90_D3BU32
UniRef90_Q2L201
UniRef90_L8DAT5
UniRef90_B6EP83
UniRef90_Q5F536
UniRef90_V9HMG1
UniRef90_R4XNG6
UniRef90_I2FVS7
UniRef90_T0S8W4
UniRef90_C9ZJW6
UniRef90_A1SAP8
UniRef90_H2G100
UniRef90_W9T0T5
UniRef90_V5ACD0
UniRef90_W0SBW5
UniRef90_C9Y830
UniRef90_L1IHM6
UniRef90_M4U179
UniRef90_S8CDU5
UniRef90_A0A024HPE6
UniRef90_U1HJT3
UniRef90_UPI0003F49B8E
UniRef90_Q12S92
UniRef90_A3Q9P4
UniRef90_G0VHE8
UniRef90_A5E7L9
UniRef90_G7PB38
UniRef90_R7BYP9
UniRef90_A4RSN0
UniRef90_J4GP09
UniRef90_UPI0003B57C70
UniRef90_K2F9U5
UniRef90_Q47JL4
UniRef90_Q0JIQ9
UniRef90_E1SQC0
UniRef90_F0ZX16
UniRef90_K8F7Z1
UniRef90_L5LUD6
UniRef90_U1KLX0
UniRef90_R7KN92
UniRef90_Q3K4S1
UniRef90_K0RS35
UniRef90_UPI0003F603A6
UniRef90_D5CMA0
UniRef90_E9AXI4
UniRef90_C7RKU1
UniRef90_W6KR62
UniRef90_U1M4S6
UniRef90_D7NJ37
UniRef90_X2H2X5
UniRef90_UPI000367DC16
UniRef90_UPI0002EEDAD7
UniRef90_Q0K661
UniRef90_A6F8Z8
UniRef90_UPI00037B7A34
UniRef90_E7RYV9
UniRef90_U4LN26
UniRef90_U3HFP7
UniRef90_V6EY52
UniRef90_G0S1Z8
UniRef90_UPI000317F943
UniRef90_A0A011NKS1
UniRef90_F5RCD2
UniRef90_F0X6T7
UniRef90_W6RF35
UniRef90_Q2W2T4
UniRef90_U3JKH1
UniRef90_F6AGN8
UniRef90_UPI000377CB22
UniRef90_UPI0000E105AD
UniRef90_M1US26
UniRef90_W6KKB4
UniRef90_S6HPE5
UniRef90_W6VI70
UniRef90_UPI00035F5CC7
UniRef90_Q2BRG3
UniRef90_M1LNK2
UniRef90_W6L8V3
UniRef90_UPI000467E0E4

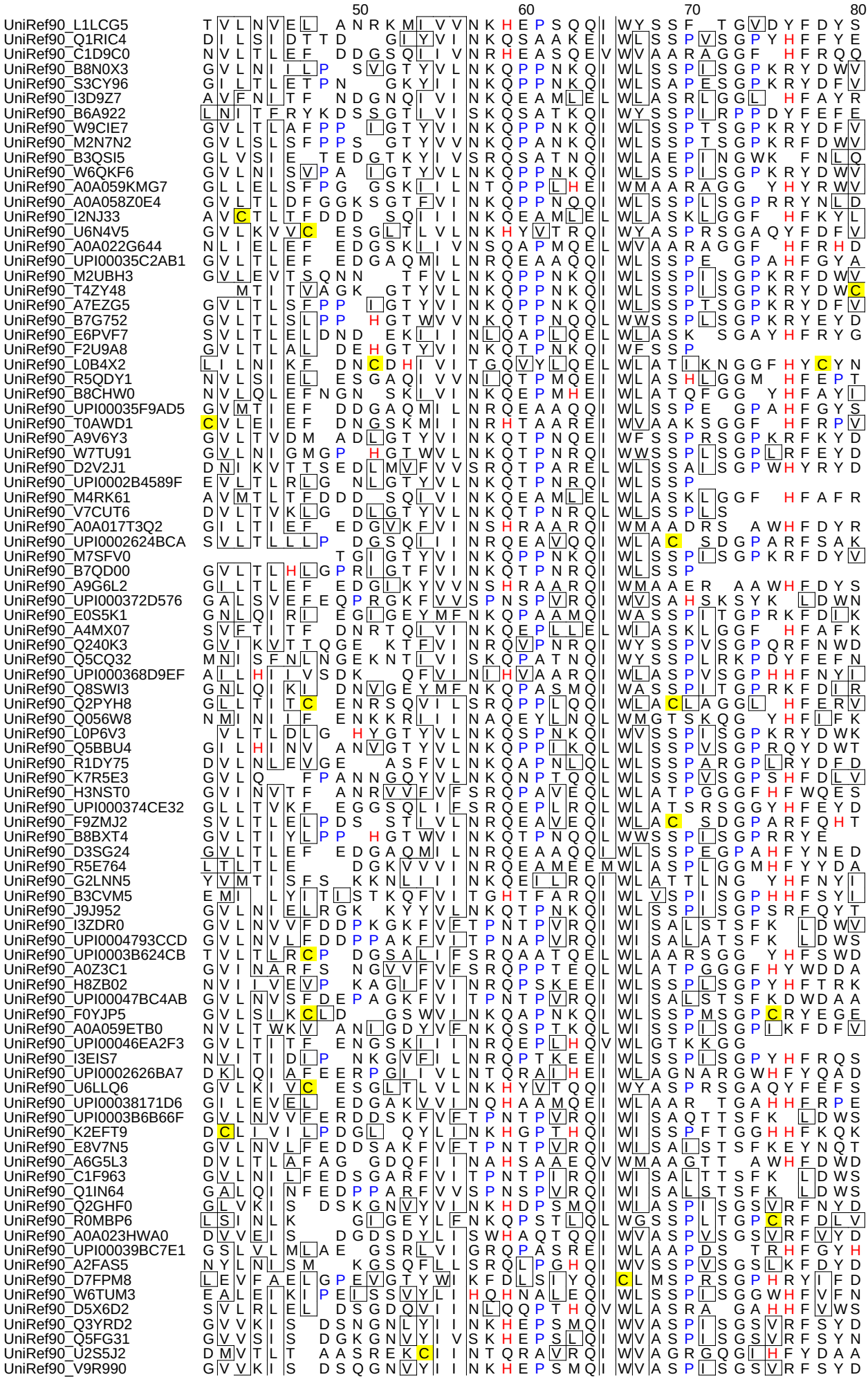

1
10
20
30
40
UniRef90_UPI0001E47233
UniRef90_F3LE24
UniRef90_UPI0003D0CC04
UniRef90_H8FQH3
UniRef90_UPI000287E104
UniRef90_UPI000472E815
UniRef90_UPI000381446E
UniRef90_M1LV30
UniRef90_A6T3G3
UniRef90_X2H9A2
UniRef90_A9TTP0
UniRef90_K5XG68
UniRef90_E6QSE2
UniRef90_UPI0003B5586B
UniRef90_E9C262
UniRef90_Q65QS1
UniRef90_UPI000372ED14
UniRef90_G1XFE7
UniRef90_A6GPJ6
UniRef90_UPI0003658E6A
UniRef90_E1W3K6
UniRef90_P59463
UniRef90_A1KBR2
UniRef90_E5APR0
UniRef90_L8GRF3
UniRef90_F9Q7N2
UniRef90_Q9HTS5
UniRef90_N2J9I2
UniRef90_K0KJC5
UniRef90_C6AK42
UniRef90_W0VDZ2
UniRef90_UPI0003B5A057
UniRef90_G2QNF8
UniRef90_Q7P221
UniRef90_G4QAI2
UniRef90_K2LKX7
UniRef90_K1JYC1
UniRef90_A1VK11
UniRef90_G2J270
UniRef90_I2JEI2
UniRef90_A0A031GPK5
UniRef90_B5EKY7
UniRef90_UPI00047775A8
UniRef90_R9P3Z5
UniRef90_E1TBB5
UniRef90_UPI000364C0CB
UniRef90_R4X7R3
UniRef90_H1G5C4
UniRef90_Q3SM70
UniRef90_S9VC02
UniRef90_I3WEQ9
UniRef90_J4TUU5
UniRef90_L9PKQ7
UniRef90_A1CHZ4
UniRef90_Q8K900
UniRef90_I5D208
UniRef90_UPI00047A1A41
UniRef90_UPI0003B43C99
UniRef90_D9SI11
UniRef90_UPI00036207AB
UniRef90_A0A014NIY4
UniRef90_A0A016XJL3
UniRef90_W7X1R3
UniRef90_UPI0004699F16
UniRef90_V8G2N8
UniRef90_D8M5N5
UniRef90_B1XST5
UniRef90_B8GQ85
UniRef90_U5NE97
UniRef90_F8V7E5
UniRef90_R7IAQ2
UniRef90_B7S2B3
UniRef90_UPI00036BB63A
UniRef90_Q4DK61
UniRef90_R7U875
UniRef90_UPI0002F80F16
UniRef90_Q1LI79
UniRef90_C9PNJ1
UniRef90_A0EA90
UniRef90_W8L7K1
UniRef90_Q21UC5
UniRef90_A8GN05
UniRef90_V4YUR0
UniRef90_F4HBQ9
UniRef90_D4B5K5
UniRef90_I9KQB7
UniRef90_Q68X49
UniRef90_W0NZD3
UniRef90_K1WNX2
UniRef90_UPI00021A44F3
UniRef90_A4SUZ5
UniRef90_J4U894

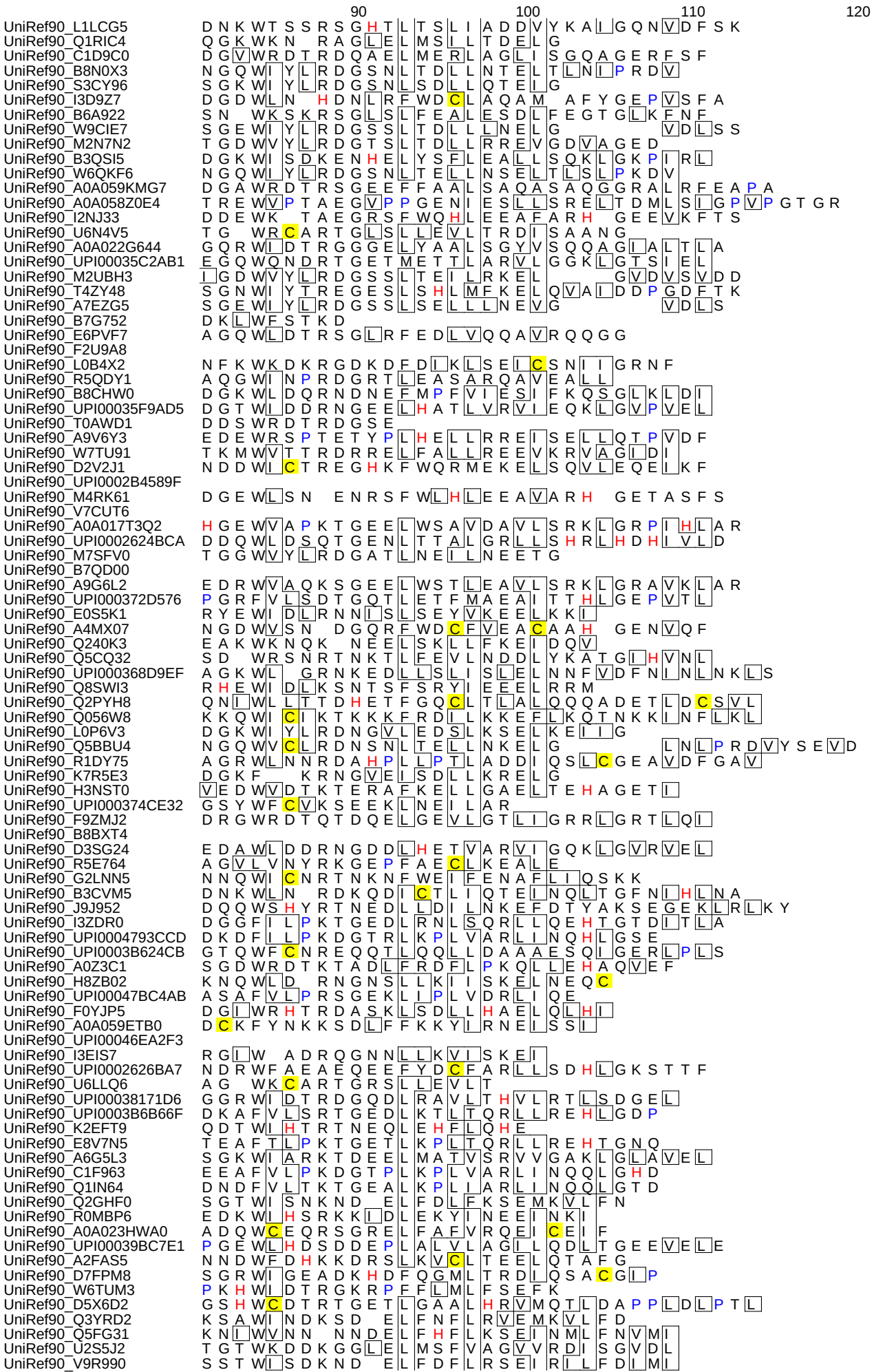

50
60
70
80
UniRef90_UPI0001E47233
UniRef90_F3LE24
UniRef90_UPI0003D0CC04
UniRef90_H8FQH3
UniRef90_UPI000287E104
UniRef90_UPI000472E815
UniRef90_UPI000381446E
UniRef90_M1LV30
UniRef90_A6T3G3
UniRef90_X2H9A2
UniRef90_A9TTP0
UniRef90_K5XG68
UniRef90_E6QSE2
UniRef90_UPI0003B5586B
UniRef90_E9C262
UniRef90_Q65QS1
UniRef90_UPI000372ED14
UniRef90_G1XFE7
UniRef90_A6GPJ6
UniRef90_UPI0003658E6A
UniRef90_E1W3K6
UniRef90_P59463
UniRef90_A1KBR2
UniRef90_E5APR0
UniRef90_L8GRF3
UniRef90_F9Q7N2
UniRef90_Q9HTS5
UniRef90_N2J9I2
UniRef90_K0KJC5
UniRef90_C6AK42
UniRef90_W0VDZ2
UniRef90_UPI0003B5A057
UniRef90_G2QNF8
UniRef90_Q7P221
UniRef90_G4QAI2
UniRef90_K2LKX7
UniRef90_K1JYC1
UniRef90_A1VK11
UniRef90_G2J270
UniRef90_I2JEI2
UniRef90_A0A031GPK5
UniRef90_B5EKY7
UniRef90_UPI00047775A8
UniRef90_R9P3Z5
UniRef90_E1TBB5
UniRef90_UPI000364C0CB
UniRef90_R4X7R3
UniRef90_H1G5C4
UniRef90_Q3SM70
UniRef90_S9VC02
UniRef90_I3WEQ9
UniRef90_J4TUU5
UniRef90_L9PKQ7
UniRef90_A1CHZ4
UniRef90_Q8K900
UniRef90_I5D208
UniRef90_UPI00047A1A41
UniRef90_UPI0003B43C99
UniRef90_D9SI11
UniRef90_UPI00036207AB
UniRef90_A0A014NIY4
UniRef90_A0A016XJL3
UniRef90_W7X1R3
UniRef90_UPI0004699F16
UniRef90_V8G2N8
UniRef90_D8M5N5
UniRef90_B1XST5
UniRef90_B8GQ85
UniRef90_U5NE97
UniRef90_F8V7E5
UniRef90_R7IAQ2
UniRef90_B7S2B3
UniRef90_UPI00036BB63A
UniRef90_Q4DK61
UniRef90_R7U875
UniRef90_UPI0002F80F16
UniRef90_Q1LI79
UniRef90_C9PNJ1
UniRef90_A0EA90
UniRef90_W8L7K1
UniRef90_Q21UC5
UniRef90_A8GN05
UniRef90_V4YUR0
UniRef90_F4HBQ9
UniRef90_D4B5K5
UniRef90_I9KQB7
UniRef90_Q68X49
UniRef90_W0NZD3
UniRef90_K1WNX2
UniRef90_UPI00021A44F3
UniRef90_A4SUZ5
UniRef90_J4U894


90
100
110
120
UniRef90_UPI0001E47233
UniRef90_F3LE24
UniRef90_UPI0003D0CC04
UniRef90_H8FQH3
UniRef90_UPI000287E104
UniRef90_UPI000472E815
UniRef90_UPI000381446E
UniRef90_M1LV30
UniRef90_A6T3G3
UniRef90_X2H9A2
UniRef90_A9TTP0
UniRef90_K5XG68
UniRef90_E6QSE2
UniRef90_UPI0003B5586B
UniRef90_E9C262
UniRef90_Q65QS1
UniRef90_UPI000372ED14
UniRef90_G1XFE7
UniRef90_A6GPJ6
UniRef90_UPI0003658E6A
UniRef90_E1W3K6
UniRef90_P59463
UniRef90_A1KBR2
UniRef90_E5APR0
UniRef90_L8GRF3
UniRef90_F9Q7N2
UniRef90_Q9HTS5
UniRef90_N2J9I2
UniRef90_K0KJC5
UniRef90_C6AK42
UniRef90_W0VDZ2
UniRef90_UPI0003B5A057
UniRef90_G2QNF8
UniRef90_Q7P221
UniRef90_G4QAI2
UniRef90_K2LKX7
UniRef90_K1JYC1
UniRef90_A1VK11
UniRef90_G2J270
UniRef90_I2JEI2
UniRef90_A0A031GPK5
UniRef90_B5EKY7
UniRef90_UPI00047775A8
UniRef90_R9P3Z5
UniRef90_E1TBB5
UniRef90_UPI000364C0CB
UniRef90_R4X7R3
UniRef90_H1G5C4
UniRef90_Q3SM70
UniRef90_S9VC02
UniRef90_I3WEQ9
UniRef90_J4TUU5
UniRef90_L9PKQ7
UniRef90_A1CHZ4
UniRef90_Q8K900
UniRef90_I5D208
UniRef90_UPI00047A1A41
UniRef90_UPI0003B43C99
UniRef90_D9SI11
UniRef90_UPI00036207AB
UniRef90_A0A014NIY4
UniRef90_A0A016XJL3
UniRef90_W7X1R3
UniRef90_UPI0004699F16
UniRef90_V8G2N8
UniRef90_D8M5N5
UniRef90_B1XST5
UniRef90_B8GQ85
UniRef90_U5NE97
UniRef90_F8V7E5
UniRef90_R7IAQ2
UniRef90_B7S2B3
UniRef90_UPI00036BB63A
UniRef90_Q4DK61
UniRef90_R7U875
UniRef90_UPI0002F80F16
UniRef90_Q1LI79
UniRef90_C9PNJ1
UniRef90_A0EA90
UniRef90_W8L7K1
UniRef90_Q21UC5
UniRef90_A8GN05
UniRef90_V4YUR0
UniRef90_F4HBQ9
UniRef90_D4B5K5
UniRef90_I9KQB7
UniRef90_Q68X49
UniRef90_W0NZD3
UniRef90_K1WNX2
UniRef90_UPI00021A44F3
UniRef90_A4SUZ5
UniRef90_J4U894

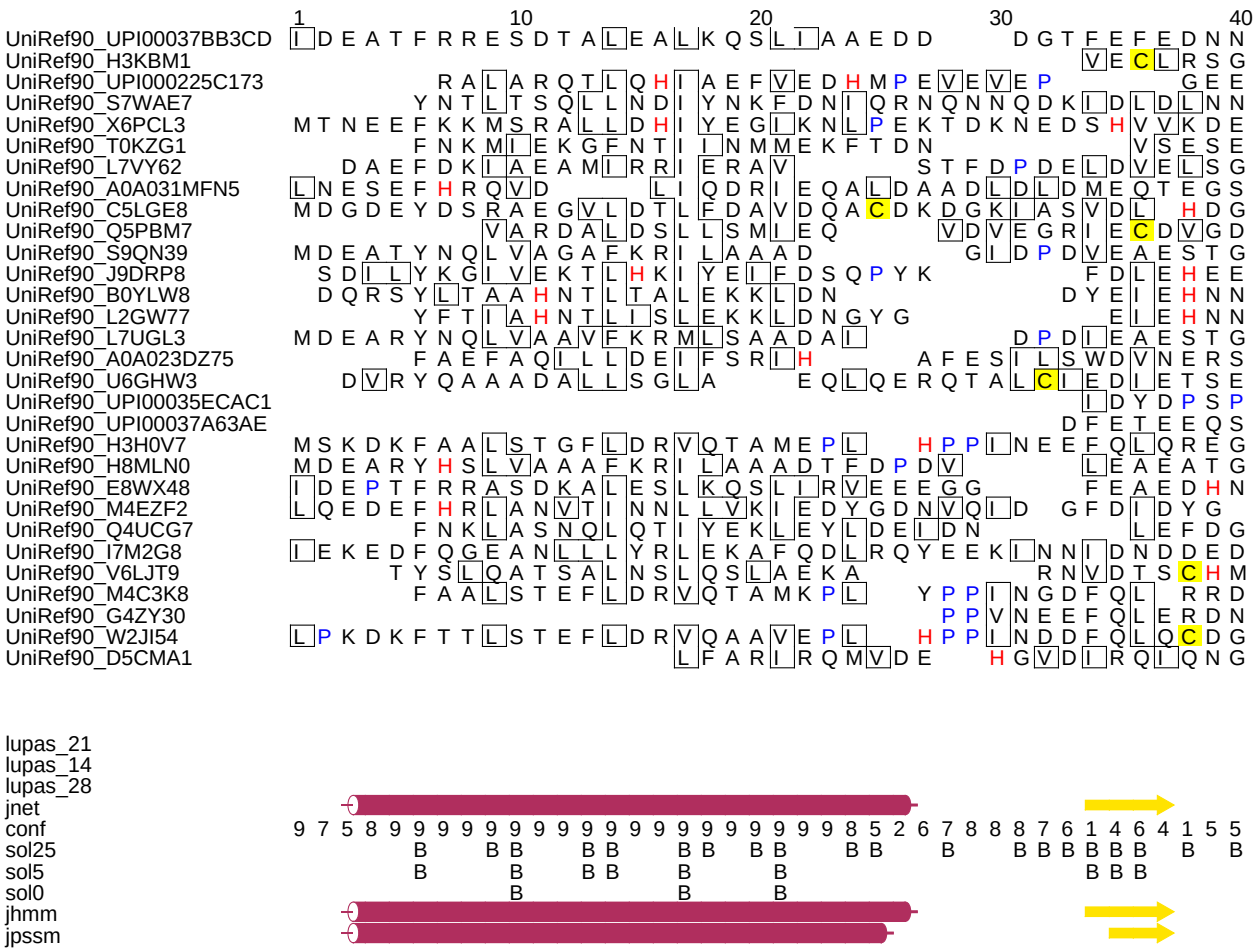
UniRef90_UPI0001E47233
UniRef90_F3LE24
UniRef90_UPI0003D0CC04
UniRef90_H8FQH3
UniRef90_UPI000287E104
UniRef90_UPI000472E815
UniRef90_UPI000381446E
UniRef90_M1LV30
UniRef90_A6T3G3
UniRef90_X2H9A2
UniRef90_A9TTP0
UniRef90_K5XG68
UniRef90_E6QSE2
UniRef90_UPI0003B5586B
UniRef90_E9C262
UniRef90_Q65QS1
UniRef90_UPI000372ED14
UniRef90_G1XFE7
UniRef90_A6GPJ6
UniRef90_UPI0003658E6A
UniRef90_E1W3K6
UniRef90_P59463
UniRef90_A1KBR2
UniRef90_E5APR0
UniRef90_L8GRF3
UniRef90_F9Q7N2
UniRef90_Q9HTS5
UniRef90_N2J9I2
UniRef90_K0KJC5
UniRef90_C6AK42
UniRef90_W0VDZ2
UniRef90_UPI0003B5A057
UniRef90_G2QNF8
UniRef90_Q7P221
UniRef90_G4QAI2
UniRef90_K2LKX7
UniRef90_K1JYC1
UniRef90_A1VK11
UniRef90_G2J270
UniRef90_I2JEI2
UniRef90_A0A031GPK5
UniRef90_B5EKY7
UniRef90_UPI00047775A8
UniRef90_R9P3Z5
UniRef90_E1TBB5
UniRef90_UPI000364C0CB
UniRef90_R4X7R3
UniRef90_H1G5C4
UniRef90_Q3SM70
UniRef90_S9VC02
UniRef90_I3WEQ9
UniRef90_J4TUU5
UniRef90_L9PKQ7
UniRef90_A1CHZ4
UniRef90_Q8K900
UniRef90_I5D208
UniRef90_UPI00047A1A41
UniRef90_UPI0003B43C99
UniRef90_D9SI11
UniRef90_UPI00036207AB
UniRef90_A0A014NIY4
UniRef90_A0A016XJL3
UniRef90_W7X1R3
UniRef90_UPI0004699F16
UniRef90_V8G2N8
UniRef90_D8M5N5
UniRef90_B1XST5
UniRef90_B8GQ85
UniRef90_U5NE97
UniRef90_F8V7E5
UniRef90_R7IAQ2
UniRef90_B7S2B3
UniRef90_UPI00036BB63A
UniRef90_Q4DK61
UniRef90_R7U875
UniRef90_UPI0002F80F16
UniRef90_Q1LI79
UniRef90_C9PNJ1
UniRef90_A0EA90
UniRef90_W8L7K1
UniRef90_Q21UC5
UniRef90_A8GN05
UniRef90_V4YUR0
UniRef90_F4HBQ9
UniRef90_D4B5K5
UniRef90_I9KQB7
UniRef90_Q68X49
UniRef90_W0NZD3
UniRef90_K1WNX2
UniRef90_UPI00021A44F3
UniRef90_A4SUZ5
UniRef90_J4U894

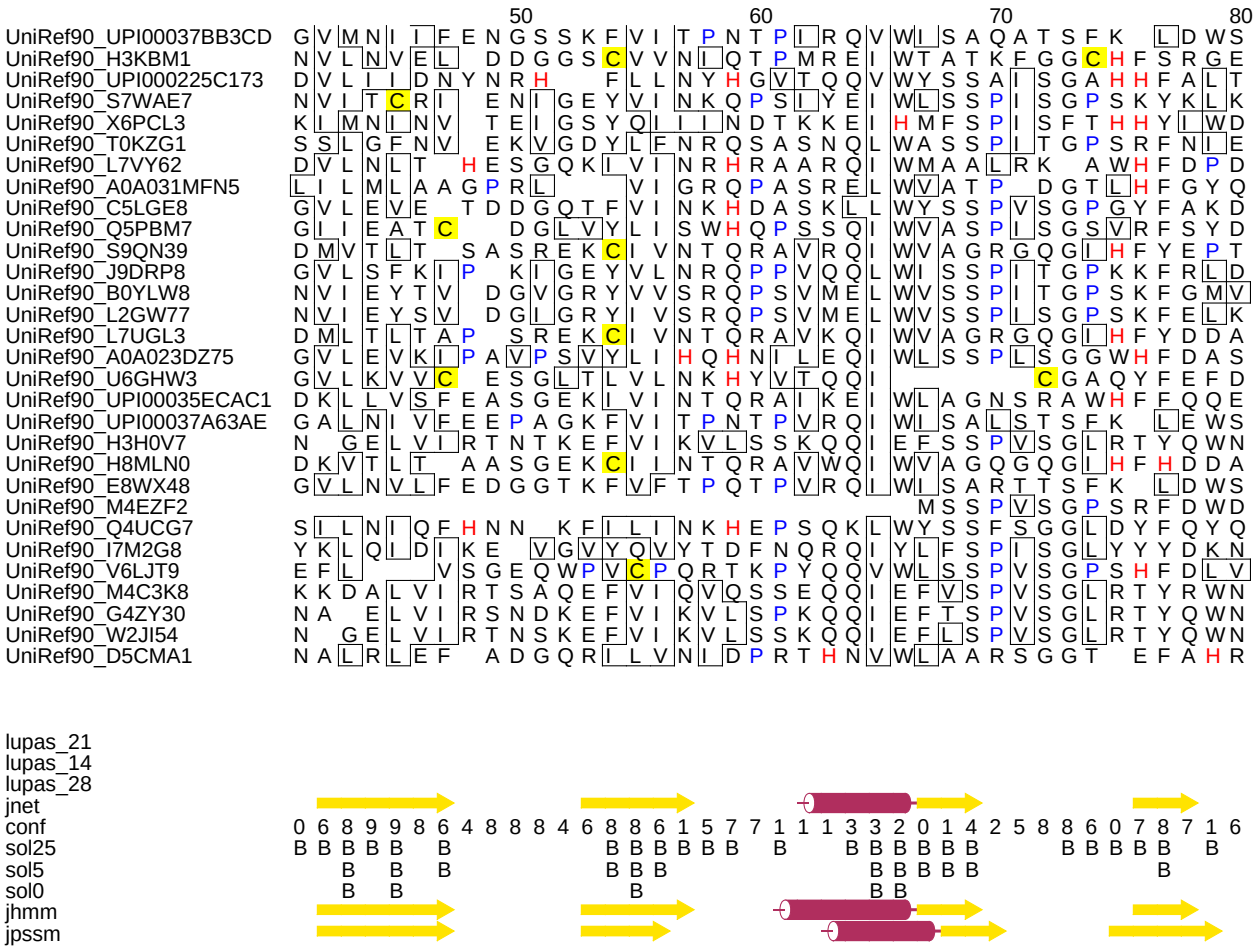

1
10
20
30
40
UniRef90_L1LCG5
UniRef90_Q1RIC4
UniRef90_C1D9C0
UniRef90_B8N0X3
UniRef90_S3CY96
UniRef90_I3D9Z7
UniRef90_B6A922
UniRef90_W9CIE7
UniRef90_M2N7N2
UniRef90_B3QSI5
UniRef90_W6QKF6
UniRef90_A0A059KMG7
UniRef90_A0A058Z0E4
UniRef90_I2NJ33
UniRef90_U6N4V5
UniRef90_A0A022G644
UniRef90_UPI00035C2AB1
UniRef90_M2UBH3
UniRef90_T4ZY48
UniRef90_A7EZG5
UniRef90_B7G752
UniRef90_E6PVF7
UniRef90_F2U9A8
UniRef90_L0B4X2
UniRef90_R5QDY1
UniRef90_B8CHW0
UniRef90_UPI00035F9AD5
UniRef90_T0AWD1
UniRef90_A9V6Y3
UniRef90_W7TU91
UniRef90_D2V2J1
UniRef90_UPI0002B4589F
UniRef90_M4RK61
UniRef90_V7CUT6
UniRef90_A0A017T3Q2
UniRef90_UPI0002624BCA
UniRef90_M7SFV0
UniRef90_B7QD00
UniRef90_A9G6L2
UniRef90_UPI000372D576
UniRef90_E0S5K1
UniRef90_A4MX07
UniRef90_Q240K3
UniRef90_Q5CQ32
UniRef90_UPI000368D9EF
UniRef90_Q8SWI3
UniRef90_Q2PYH8
UniRef90_Q056W8
UniRef90_L0P6V3
UniRef90_Q5BBU4
UniRef90_R1DY75
UniRef90_K7R5E3
UniRef90_H3NST0
UniRef90_UPI000374CE32
UniRef90_F9ZMJ2
UniRef90_B8BXT4
UniRef90_D3SG24
UniRef90_R5E764
UniRef90_G2LNN5
UniRef90_B3CVM5
UniRef90_J9J952
UniRef90_I3ZDR0
UniRef90_UPI0004793CCD
UniRef90_UPI0003B624CB
UniRef90_A0Z3C1
UniRef90_H8ZB02
UniRef90_UPI00047BC4AB
UniRef90_F0YJP5
UniRef90_A0A059ETB0
UniRef90_UPI00046EA2F3
UniRef90_I3EIS7
UniRef90_UPI0002626BA7
UniRef90_U6LLQ6
UniRef90_UPI00038171D6
UniRef90_UPI0003B6B66F
UniRef90_K2EFT9
UniRef90_E8V7N5
UniRef90_A6G5L3
UniRef90_C1F963
UniRef90_Q1IN64
UniRef90_Q2GHF0
UniRef90_R0MBP6
UniRef90_A0A023HWA0
UniRef90_UPI00039BC7E1
UniRef90_A2FAS5
UniRef90_D7FPM8
UniRef90_W6TUM3
UniRef90_D5X6D2
UniRef90_Q3YRD2
UniRef90_Q5FG31
UniRef90_U2S5J2
UniRef90_V9R990

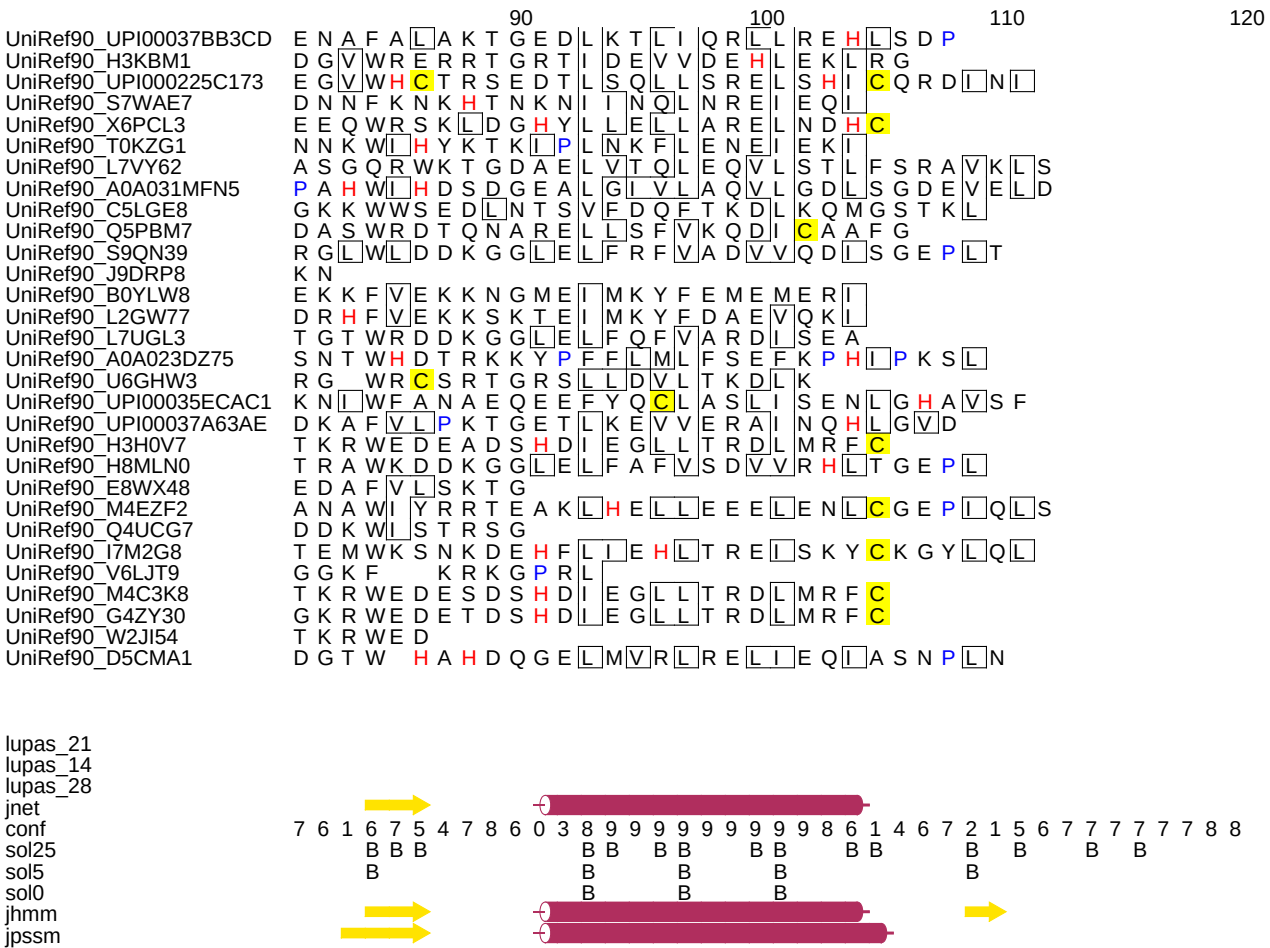

50
60
70
80
UniRef90_L1LCG5
UniRef90_Q1RIC4
UniRef90_C1D9C0
UniRef90_B8N0X3
UniRef90_S3CY96
UniRef90_I3D9Z7
UniRef90_B6A922
UniRef90_W9CIE7
UniRef90_M2N7N2
UniRef90_B3QSI5
UniRef90_W6QKF6
UniRef90_A0A059KMG7
UniRef90_A0A058Z0E4
UniRef90_I2NJ33
UniRef90_U6N4V5
UniRef90_A0A022G644
UniRef90_UPI00035C2AB1
UniRef90_M2UBH3
UniRef90_T4ZY48
UniRef90_A7EZG5
UniRef90_B7G752
UniRef90_E6PVF7
UniRef90_F2U9A8
UniRef90_L0B4X2
UniRef90_R5QDY1
UniRef90_B8CHW0
UniRef90_UPI00035F9AD5
UniRef90_T0AWD1
UniRef90_A9V6Y3
UniRef90_W7TU91
UniRef90_D2V2J1
UniRef90_UPI0002B4589F
UniRef90_M4RK61
UniRef90_V7CUT6
UniRef90_A0A017T3Q2
UniRef90_UPI0002624BCA
UniRef90_M7SFV0
UniRef90_B7QD00
UniRef90_A9G6L2
UniRef90_UPI000372D576
UniRef90_E0S5K1
UniRef90_A4MX07
UniRef90_Q240K3
UniRef90_Q5CQ32
UniRef90_UPI000368D9EF
UniRef90_Q8SWI3
UniRef90_Q2PYH8
UniRef90_Q056W8
UniRef90_L0P6V3
UniRef90_Q5BBU4
UniRef90_R1DY75
UniRef90_K7R5E3
UniRef90_H3NST0
UniRef90_UPI000374CE32
UniRef90_F9ZMJ2
UniRef90_B8BXT4
UniRef90_D3SG24
UniRef90_R5E764
UniRef90_G2LNN5
UniRef90_B3CVM5
UniRef90_J9J952
UniRef90_I3ZDR0
UniRef90_UPI0004793CCD
UniRef90_UPI0003B624CB
UniRef90_A0Z3C1
UniRef90_H8ZB02
UniRef90_UPI00047BC4AB
UniRef90_F0YJP5
UniRef90_A0A059ETB0
UniRef90_UPI00046EA2F3
UniRef90_I3EIS7
UniRef90_UPI0002626BA7
UniRef90_U6LLQ6
UniRef90_UPI00038171D6
UniRef90_UPI0003B6B66F
UniRef90_K2EFT9
UniRef90_E8V7N5
UniRef90_A6G5L3
UniRef90_C1F963
UniRef90_Q1IN64
UniRef90_Q2GHF0
UniRef90_R0MBP6
UniRef90_A0A023HWA0
UniRef90_UPI00039BC7E1
UniRef90_A2FAS5
UniRef90_D7FPM8
UniRef90_W6TUM3
UniRef90_D5X6D2
UniRef90_Q3YRD2
UniRef90_Q5FG31
UniRef90_U2S5J2
UniRef90_V9R990


90
100
110
120
UniRef90_L1LCG5 D N K W T S S R S G H T L T S L I A D D V Y K A I G Q N V D F S K
UniRef90_Q1RIC4 Q G K W K N R A G L E L M S I L T D E L G
UniRef90_C1D9C0 D G V W R D T R D Q A E L M E R L A G L I S G Q A G E R F S F
UniRef90_B8N0X3 N G Q W I Y L R D G S N L T D L L N T E L T L N I P R D V
UniRef90_S3CY96 S G K W I Y L R D G S N L S D L L Q T E I G
UniRef90_I3D9Z7 D G D W L N H D N L R F W D C L A Q A M A F Y G E P V S F A
UniRef90_B6A922 S N W K S K R S G L S L F E A L E S D L F E G T G L K F N F
UniRef90_W9CIE7 S G E W I Y L R D G S S L T D L L L N E L G V D L S S
UniRef90_M2N7N2 T G D W V Y L R D G T S L T D L L R R E V G D V A G E D
UniRef90_B3QSI5 D G K W I S D K E N H E L Y S F L E A L L S Q K L G K P I R L
UniRef90_W6QKF6 N G Q W I Y L R D G S N L T E L L N S E L T L S L P K D V
UniRef90_A0A059KMG7 D G A W R D T R S G E E F F A A L S A Q A S A Q G G R A L R F E A P A
UniRef90_A0A058Z0E4 T R E W V P T A E G V P P G E N I E S L L S R E L T D M L S I G P V P G T G R
UniRef90_I2NJ33 D D E W K T A E G R S F W Q H L E E A F A R H G E E V K F T S
UniRef90_U6N4V5 T G W R C A R T G L S L L E V L T R D I S A A N G
UniRef90_A0A022G644 G Q R W I D T R G G G E L Y A A L S G Y V S Q Q A G I A L T L A
UniRef90_UPI00035C2AB1 E G Q W Q N D R T G E T M E T T L A R V L G G K L G T S I E L
UniRef90_M2UBH3 I G D W V Y L R D G S S L T E I L R K E L G V D V S V D D
UniRef90_T4ZY48 S G N W I Y T R E G E S L S H L M F K E L Q V A I D D P G D F T K
UniRef90_A7EZG5 S G E W I Y L R D G S S L S E L L L N E V G V D L S
UniRef90_B7G752 D K L W F S T K D
UniRef90_E6PVF7 A G Q W L D T R S G L R F E D L V Q Q A V R Q Q G G
UniRef90_F2U9A8
UniRef90_L0B4X2 N F K W K D K R G D K D F D I K L S E I C S N I I G R N F
UniRef90_R5QDY1 A Q G W I N P R D G R T L E A S A R Q A V E A L L
UniRef90_B8CHW0 D G K W L D Q R N D N E F M P F V I E S I F K Q S G L K L D I
UniRef90_UPI00035F9AD5 D G T W I D D R N G E E L H A T L V R V I E Q K L G V P V E L
UniRef90_T0AWD1 D D S W R D T R D G S E
UniRef90_A9V6Y3 E D E W R S P T E T Y P L H E L L R R E I S E L L Q T P V D F
UniRef90_W7TU91 T K M W V T T R D R R E L F A L L R E E V K R V A G I D I
UniRef90_D2V2J1 N D D W I C T R E G H K F W Q R M E K E L S Q V L E Q E I K F
UniRef90_UPI0002B4589F
UniRef90_M4RK61 D G E W L S N E N R S F W L H L E E A V A R H G E T A S F S
UniRef90_V7CUT6
UniRef90_A0A017T3Q2 H G E W V A P K T G E E L W S A V D A V L S R K L G R P I H L A R
UniRef90_UPI0002624BCA D D Q W L D S Q T G E N L T T A L G R L L S H R L H D H I V L D
UniRef90_M7SFV0 T G G W V Y L R D G A T L N E I L N E E T G
UniRef90_B7QD00
UniRef90_A9G6L2 E D R W V A Q K S G E E L W S T L E A V L S R K L G R A V K L A R
UniRef90_UPI000372D576 P G R F V L S D T G Q T L E T F M A E A I T T H L G E P V T L
UniRef90_E0S5K1 R Y E W I D L R N N I S L S E Y V K E E L K K I
UniRef90_A4MX07 N G D W V S N D G Q R F W D C F V E A C A A H G E N V Q F
UniRef90_Q240K3 E A K W K N Q K N E E L S K L L F K E I D Q V
UniRef90_Q5CQ32 S D W R S N R T N K T L F E V L N D D L Y K A T G I H V N L
UniRef90_UPI000368D9EF A G K W L G R N K E D L L S L I S L E L N N F V D F N I N L N K L S
UniRef90_Q8SWI3 R H E W I D L K S N T S F S R Y I E E E L R R M
UniRef90_Q2PYH8 Q N I W L L T T D H E T F G Q C L T L A L Q Q Q A D E T L D C S V L
UniRef90_Q056W8 K K Q W I C I K T K K K F R D I L K K E F L K Q T N K K I N F L K L
UniRef90_L0P6V3 D G K W I Y L R D N G V L E D S L K S E L K E I I G
UniRef90_Q5BBU4 N G Q W V C L R D N S N L T E L L N K E L G L N L P R D V Y S E V D
UniRef90_R1DY75 A G R W L N N R D A H P L L P T L A D D I Q S L C G E A V D F G A V
UniRef90_K7R5E3 D G K F K R N G V E I S D L L K R E L G
UniRef90_H3NST0 V E D W V D T K T E R A F K E L L G A E L T E H A G E T I
UniRef90_UPI000374CE32 G S Y W F C V K S E E K L N E I L A R
UniRef90_F9ZMJ2 D R G W R D T Q T D Q E L G E V L G T L I G R R L G R T L Q I
UniRef90_B8BXT4
UniRef90_D3SG24 E D A W L D D R N G D D L H E T V A R V I G Q K L G V R V E L
UniRef90_R5E764 A G V L V N Y R K G E P F A E C L K E A L E
UniRef90_G2LNN5 N N Q W I C N R T N K N F W E I F E N A F L I Q S K K
UniRef90_B3CVM5 D N K W L N R D K Q D I C T L I Q T E I N Q L T G F N I H L N A
UniRef90_J9J952 D Q Q W S H Y R T N E D L L D I L N K E F D T Y A K S E G E K L R L K Y
UniRef90_I3ZDR0 D G G F I L P K T G E D L R N L S Q R L L Q E H T G T D I T L A
UniRef90_UPI0004793CCD D K D F I L P K D G T R L K P L V A R L I N Q H L G S E
UniRef90_UPI0003B624CB G T Q W F C N R E Q Q T L Q Q L L D A A A E S Q I G E R L P L S
UniRef90_A0Z3C1 S G D W R D T K T A D L F R D F L P K Q L L E H A Q V E F
UniRef90_H8ZB02 K N Q W L D R N G N S L L K I I S K E L N E Q C
UniRef90_UPI00047BC4AB A S A F V L P R S G E K L I P L V D R L I Q E
UniRef90_F0YJP5 D G I W R H T R D A S K L S D L L H A E L Q L H I
UniRef90_A0A059ETB0 D C K F Y N K K S D L F F K K Y I R N E I S S I
UniRef90_UPI00046EA2F3
UniRef90_I3EIS7 R G I W A D R Q G N N L L K V I S K E I
UniRef90_UPI0002626BA7 N D R W F A E A E Q E E F Y D C F A R L L S D H L G K S T T F
UniRef90_U6LLQ6 A G W K C A R T G R S L L E V L T
UniRef90_UPI00038171D6 G G R W I D T R D G Q D L R A V L T H V L R T L S D G E L
UniRef90_UPI0003B6B66F D K A F V L S R T G E D L K T L T Q R L L R E H L G D P
UniRef90_K2EFT9 Q D T W I H T R T N E Q L E H F L Q H E
UniRef90_E8V7N5 T E A F T L P K T G E T L K P L T Q R L L R E H T G N Q
UniRef90_A6G5L3 S G K W I A R K T D E E L M A T V S R V V G A K L G L A V E L
UniRef90_C1F963 E E A F V L P K D G T P L K P L V A R L I N Q Q L G H D
UniRef90_Q1IN64 D N D F V L T K T G E A L K P L I A R L I N Q Q L G T D
UniRef90_Q2GHF0 S G T W I S N K N D E L F D L F K S E M K V L F N
UniRef90_R0MBP6 E D K W I H S R K K I D L E K Y I N E E I N K I
UniRef90_A0A023HWA0 A D Q W C E Q R S G R E L F A F V R Q E I C E I F
UniRef90_UPI00039BC7E1 P G E W L H D S D D E P L A L V L A G I L Q D L T G E E V E L E
UniRef90_A2FAS5 N N D W F D H K K D R S L K V C L T E E L Q T A F G
UniRef90_D7FPM8 S G R W I G E A D K H D F Q G M L T R D I Q S A C G I P
UniRef90_W6TUM3 P K H W I D T R G K R P F F L M L F S E F K
UniRef90_D5X6D2 G S H W C D T R T G E T L G A A L H R V M Q T L D A P P L D L P T L
UniRef90_Q3YRD2 K S A W I N D K S D E L F N F L R V E M K V L F D
UniRef90_Q5FG31 K N I W V N N N N D E L F H F L K S E I N M L F N V M I
UniRef90_U2S5J2 T G T W K D D K G G L E L M S F V A G V V R D I S G V D L
UniRef90_V9R990 S S T W I S D K N D E L F D F L R S E I R I L F D I M I

UniRef90_L1LCG5
UniRef90_Q1RIC4
UniRef90_C1D9C0
UniRef90_B8N0X3
UniRef90_S3CY96
UniRef90_I3D9Z7
UniRef90_B6A922
UniRef90_W9CIE7
UniRef90_M2N7N2
UniRef90_B3QSI5
UniRef90_W6QKF6
UniRef90_A0A059KMG7
UniRef90_A0A058Z0E4
UniRef90_I2NJ33
UniRef90_U6N4V5
UniRef90_A0A022G644
UniRef90_UPI00035C2AB1
UniRef90_M2UBH3
UniRef90_T4ZY48
UniRef90_A7EZG5
UniRef90_B7G752
UniRef90_E6PVF7
UniRef90_F2U9A8
UniRef90_L0B4X2
UniRef90_R5QDY1
UniRef90_B8CHW0
UniRef90_UPI00035F9AD5
UniRef90_T0AWD1
UniRef90_A9V6Y3
UniRef90_W7TU91
UniRef90_D2V2J1
UniRef90_UPI0002B4589F
UniRef90_M4RK61
UniRef90_V7CUT6
UniRef90_A0A017T3Q2
UniRef90_UPI0002624BCA
UniRef90_M7SFV0
UniRef90_B7QD00
UniRef90_A9G6L2
UniRef90_UPI000372D576
UniRef90_E0S5K1
UniRef90_A4MX07
UniRef90_Q240K3
UniRef90_Q5CQ32
UniRef90_UPI000368D9EF
UniRef90_Q8SWI3
UniRef90_Q2PYH8
UniRef90_Q056W8
UniRef90_L0P6V3
UniRef90_Q5BBU4
UniRef90_R1DY75
UniRef90_K7R5E3
UniRef90_H3NST0
UniRef90_UPI000374CE32
UniRef90_F9ZMJ2
UniRef90_B8BXT4
UniRef90_D3SG24
UniRef90_R5E764
UniRef90_G2LNN5
UniRef90_B3CVM5
UniRef90_J9J952
UniRef90_I3ZDR0
UniRef90_UPI0004793CCD
UniRef90_UPI0003B624CB
UniRef90_A0Z3C1
UniRef90_H8ZB02
UniRef90_UPI00047BC4AB
UniRef90_F0YJP5
UniRef90_A0A059ETB0
UniRef90_UPI00046EA2F3
UniRef90_I3EIS7
UniRef90_UPI0002626BA7
UniRef90_U6LLQ6
UniRef90_UPI00038171D6
UniRef90_UPI0003B6B66F
UniRef90_K2EFT9
UniRef90_E8V7N5
UniRef90_A6G5L3
UniRef90_C1F963
UniRef90_Q1IN64
UniRef90_Q2GHF0
UniRef90_R0MBP6
UniRef90_A0A023HWA0
UniRef90_UPI00039BC7E1
UniRef90_A2FAS5
UniRef90_D7FPM8
UniRef90_W6TUM3
UniRef90_D5X6D2
UniRef90_Q3YRD2
UniRef90_Q5FG31
UniRef90_U2S5J2
UniRef90_V9R990


1
10
20
30
40
UniRef90_UPI00037BB3CD
UniRef90_H3KBM1
UniRef90_UPI000225C173
UniRef90_S7WAE7
UniRef90_X6PCL3
UniRef90_T0KZG1
UniRef90_L7VY62
UniRef90_A0A031MFN5
UniRef90_C5LGE8
UniRef90_Q5PBM7
UniRef90_S9QN39
UniRef90_J9DRP8
UniRef90_B0YLW8
UniRef90_L2GW77
UniRef90_L7UGL3
UniRef90_A0A023DZ75
UniRef90_U6GHW3
UniRef90_UPI00035ECAC1
UniRef90_UPI00037A63AE
UniRef90_H3H0V7
UniRef90_H8MLN0
UniRef90_E8WX48
UniRef90_M4EZF2
UniRef90_Q4UCG7
UniRef90_I7M2G8
UniRef90_V6LJT9
UniRef90_M4C3K8
UniRef90_G4ZY30
UniRef90_W2JI54
UniRef90_D5CMA1
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


50
60
70
80
UniRef90_UPI00037BB3CD
UniRef90_H3KBM1
UniRef90_UPI000225C173
UniRef90_S7WAE7
UniRef90_X6PCL3
UniRef90_T0KZG1
UniRef90_L7VY62
UniRef90_A0A031MFN5
UniRef90_C5LGE8
UniRef90_Q5PBM7
UniRef90_S9QN39
UniRef90_J9DRP8
UniRef90_B0YLW8
UniRef90_L2GW77
UniRef90_L7UGL3
UniRef90_A0A023DZ75
UniRef90_U6GHW3
UniRef90_UPI00035ECAC1
UniRef90_UPI00037A63AE
UniRef90_H3H0V7
UniRef90_H8MLN0
UniRef90_E8WX48
UniRef90_M4EZF2
UniRef90_Q4UCG7
UniRef90_I7M2G8
UniRef90_V6LJT9
UniRef90_M4C3K8
UniRef90_G4ZY30
UniRef90_W2JI54
UniRef90_D5CMA1
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


90
100
110
120
UniRef90_UPI00037BB3CD E N A F A L A K T G E D L K T L I Q R L L R E H L S D P
UniRef90_H3KBM1 D G V W R E R R T G R T I D E V V D E H L E K L R G
UniRef90_UPI000225C173 E G V W H C T R S E D T L S Q L L S R E L S H I C Q R D I N I
UniRef90_S7WAE7 D N N F K N K H T N K N I I N Q L N R E I E Q I
UniRef90_X6PCL3 E E Q W R S K L D G H Y L L E L L A R E L N D H C
UniRef90_T0KZG1 N N K W I H Y K T K I P L N K F L E N E I E K I
UniRef90_L7VY62 A S G Q R W K T G D A E L V T Q L E Q V L S T L F S R A V K L S
UniRef90_A0A031MFN5 P A H W I H D S D G E A L G I V L A Q V L G D L S G D E V E L D
UniRef90_C5LGE8 G K K W W S E D L N T S V F D Q F T K D L K Q M G S T K L
UniRef90_Q5PBM7 D A S W R D T Q N A R E L L S F V K Q D I C A A F G
UniRef90_S9QN39 R G L W L D D K G G L E L F R F V A D V V Q D I S G E P L T
UniRef90_J9DRP8 K N
UniRef90_B0YLW8 E K K F V E K K N G M E I M K Y F E M E M E R I
UniRef90_L2GW77 D R H F V E K K S K T E I M K Y F D A E V Q K I
UniRef90_L7UGL3 T G T W R D D K G G L E L F Q F V A R D I S E A
UniRef90_A0A023DZ75 S N T W H D T R K K Y P F F L M L F S E F K P H I P K S L
UniRef90_U6GHW3 R G W R C S R T G R S L L D V L T K D L K
UniRef90_UPI00035ECAC1 K N I W F A N A E Q E E F Y Q C L A S L I S E N L G H A V S F
UniRef90_UPI00037A63AE D K A F V L P K T G E T L K E V V E R A I N Q H L G V D
UniRef90_H3H0V7 T K R W E D E A D S H D I E G L L T R D L M R F C
UniRef90_H8MLN0 T R A W K D D K G G L E L F A F V S D V V R H L T G E P L
UniRef90_E8WX48 E D A F V L S K T G
UniRef90_M4EZF2 A N A W I Y R R T E A K L H E L L E E E L E N L C G E P I Q L S
UniRef90_Q4UCG7 D D K W I S T R S G
UniRef90_I7M2G8 T E M W K S N K D E H F L I E H L T R E I S K Y C K G Y L Q L
UniRef90_V6LJT9 G G K F K R K G P R L
UniRef90_M4C3K8 T K R W E D E S D S H D I E G L L T R D L M R F C
UniRef90_G4ZY30 G K R W E D E T D S H D I E G L L T R D L M R F C
UniRef90_W2JI54 T K R W E D
UniRef90_D5CMA1 D G T W H A H D Q G E L M V R L R E L I E Q I A S N P L N
lupas_21
lupas_14
lupas_28
jnet
conf 7 6 1 6 7 5 4 7 8 6 0 3 8 9 9 9 9 9 9 9 9 8 6 1 4 6 7 2 1 5 6 7 7 7 7 7 8 8
sol25 B B B B B B B B B B B B
sol5 B B B B B B
sol0 B B B
jhmm
jpssm

UniRef90_UPI00037BB3CD
UniRef90_H3KBM1
UniRef90_UPI000225C173
UniRef90_S7WAE7
UniRef90_X6PCL3
UniRef90_T0KZG1
UniRef90_L7VY62
UniRef90_A0A031MFN5
UniRef90_C5LGE8
UniRef90_Q5PBM7
UniRef90_S9QN39
UniRef90_J9DRP8
UniRef90_B0YLW8
UniRef90_L2GW77
UniRef90_L7UGL3
UniRef90_A0A023DZ75
UniRef90_U6GHW3
UniRef90_UPI00035ECAC1
UniRef90_UPI00037A63AE
UniRef90_H3H0V7
UniRef90_H8MLN0
UniRef90_E8WX48
UniRef90_M4EZF2
UniRef90_Q4UCG7
UniRef90_I7M2G8
UniRef90_V6LJT9
UniRef90_M4C3K8
UniRef90_G4ZY30
UniRef90_W2JI54
UniRef90_D5CMA1

lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm