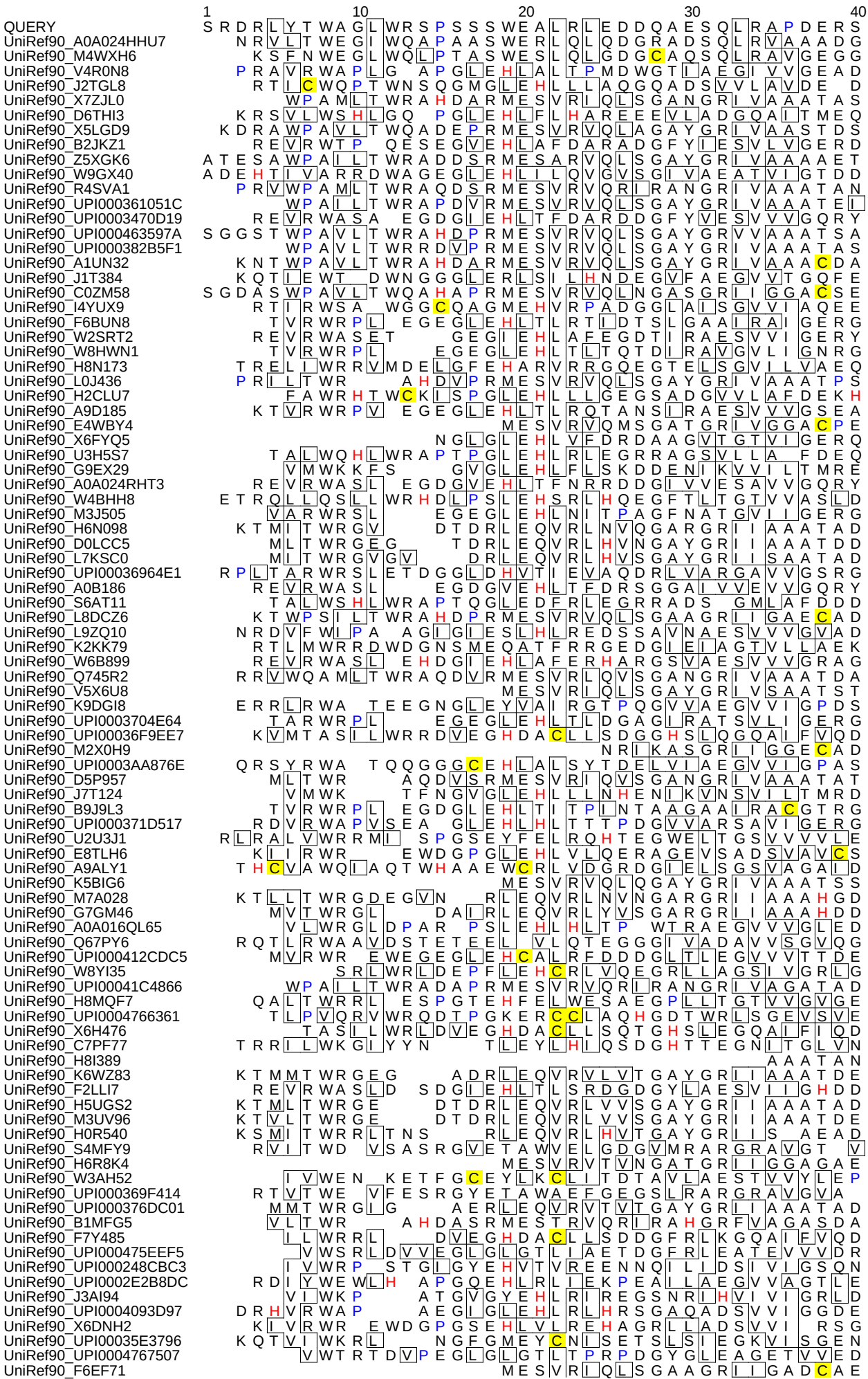
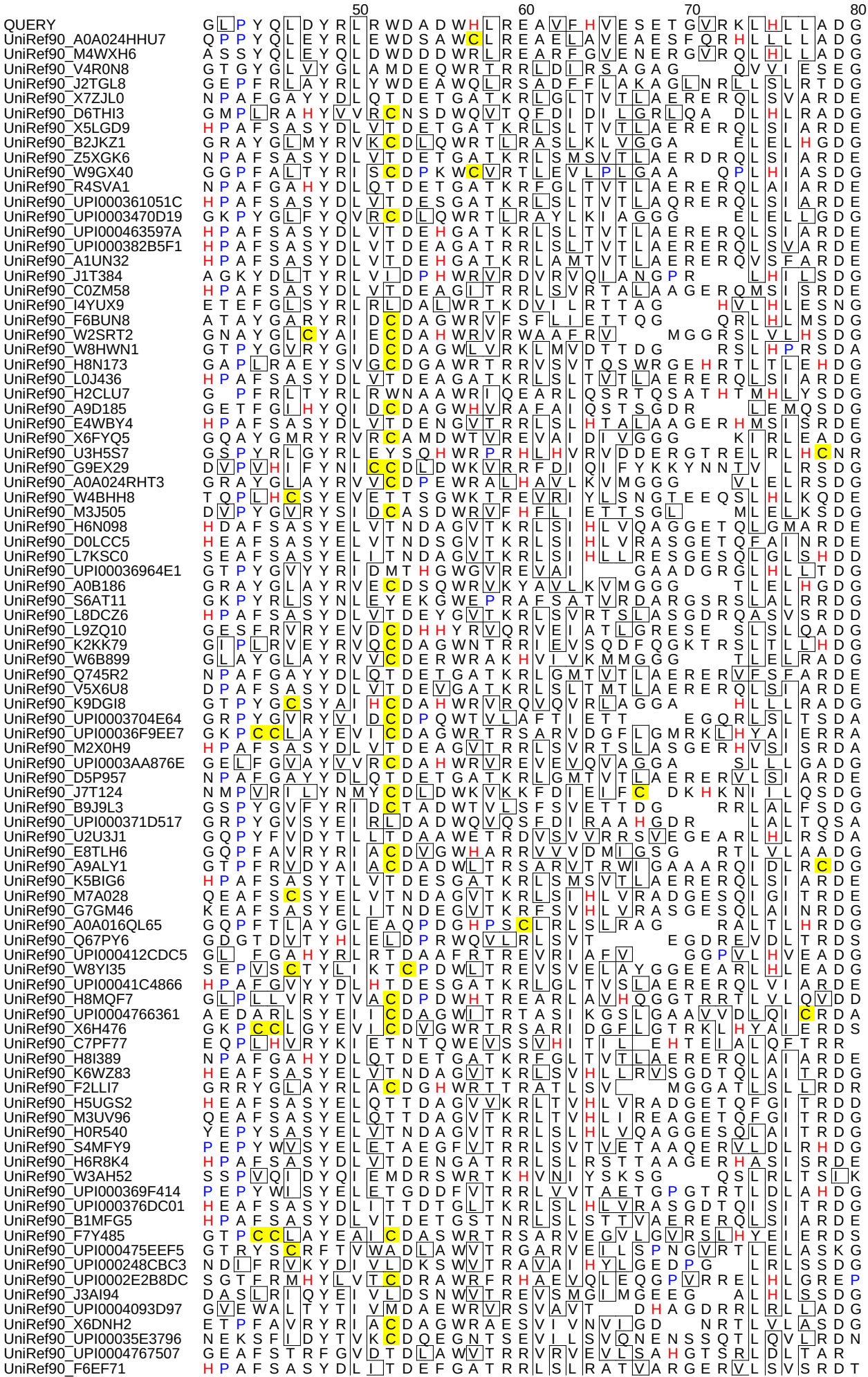
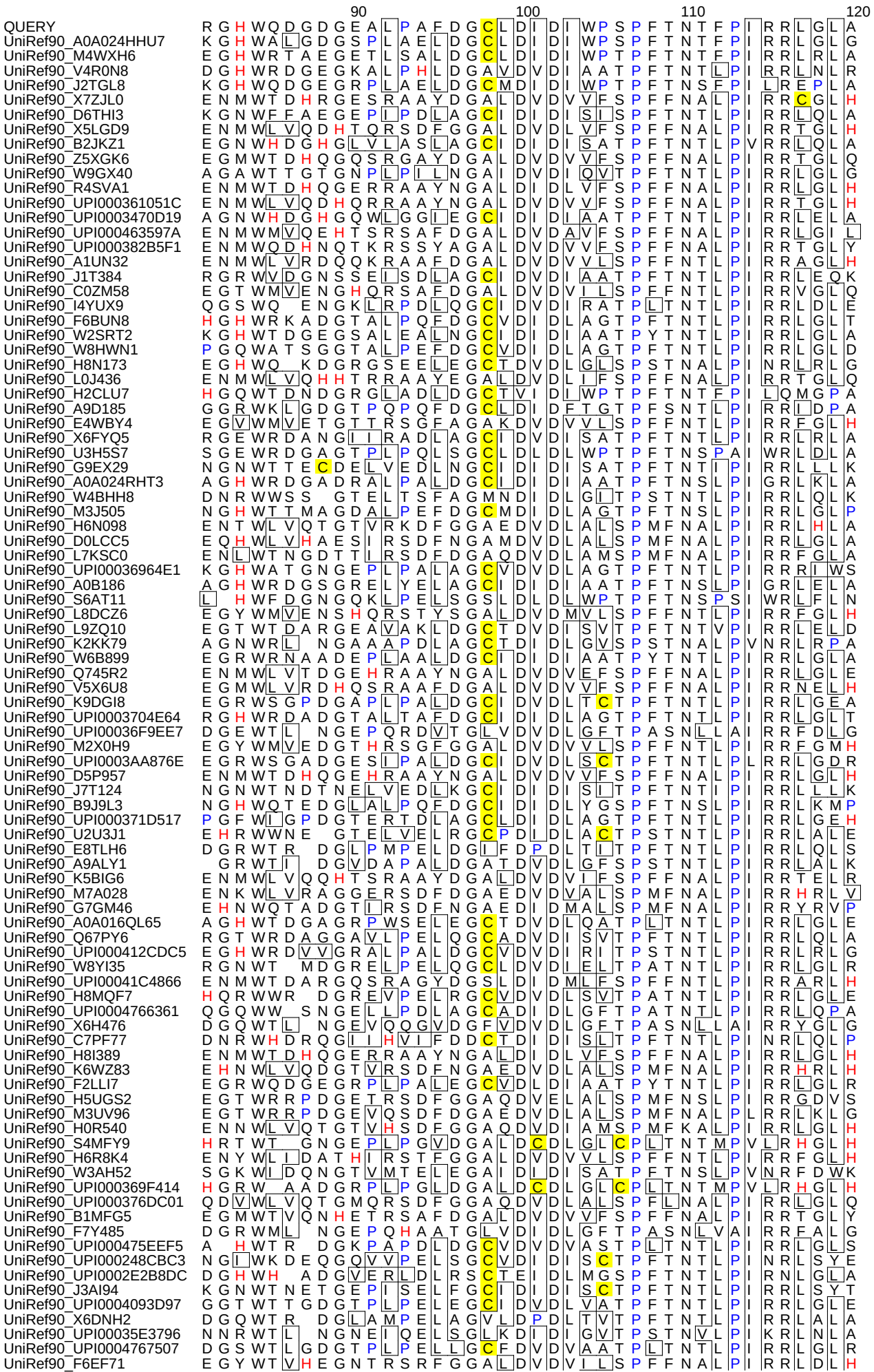
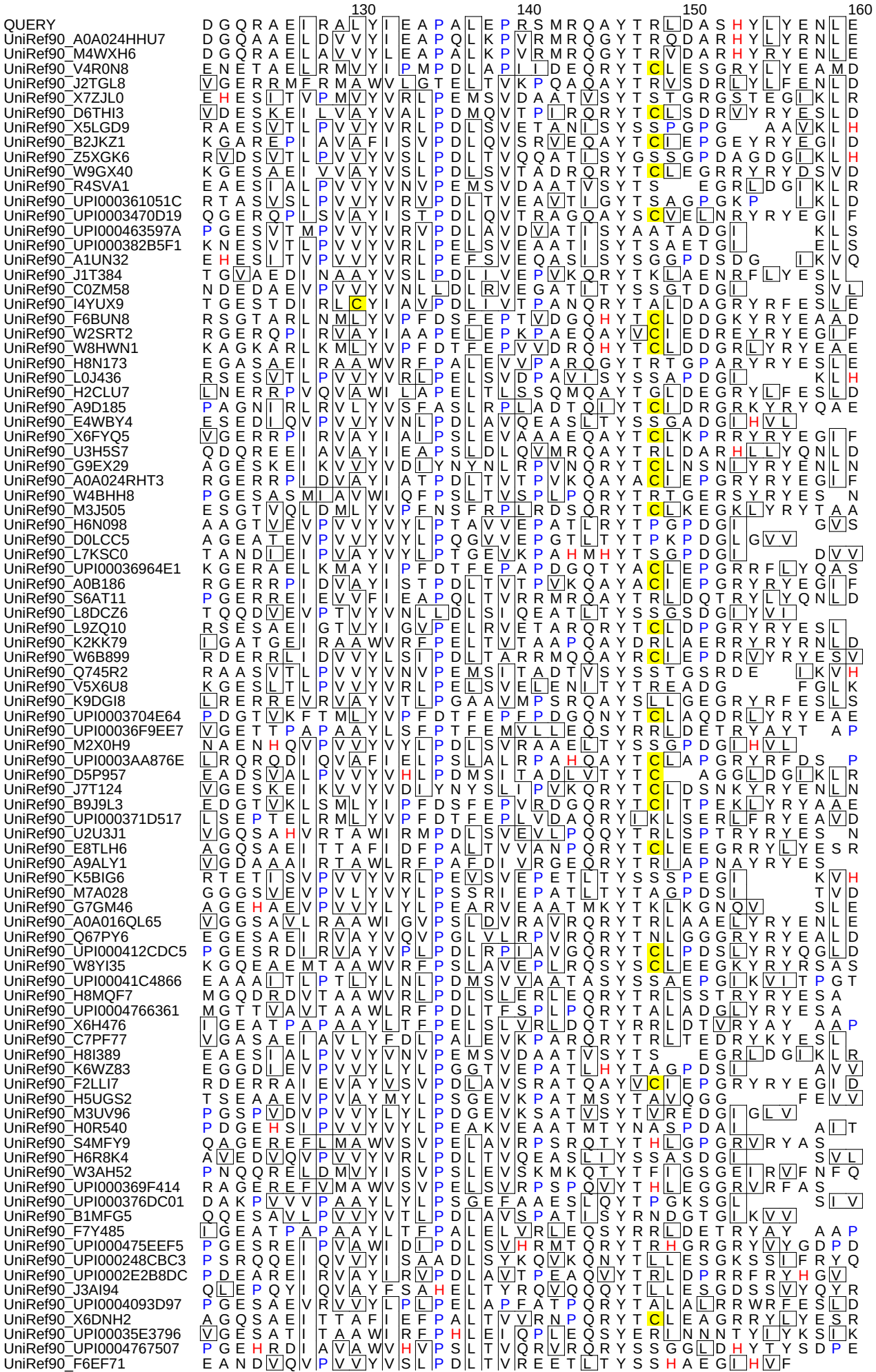
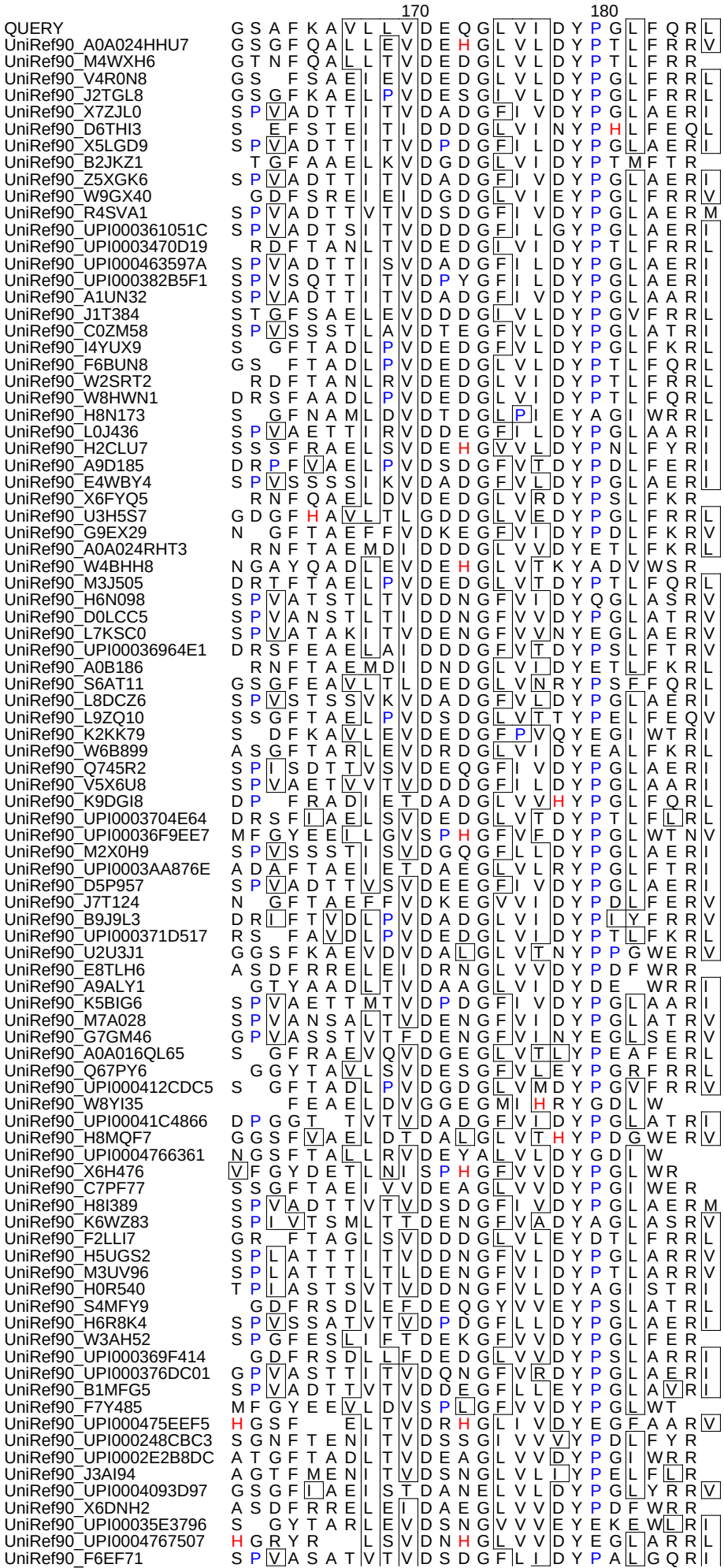
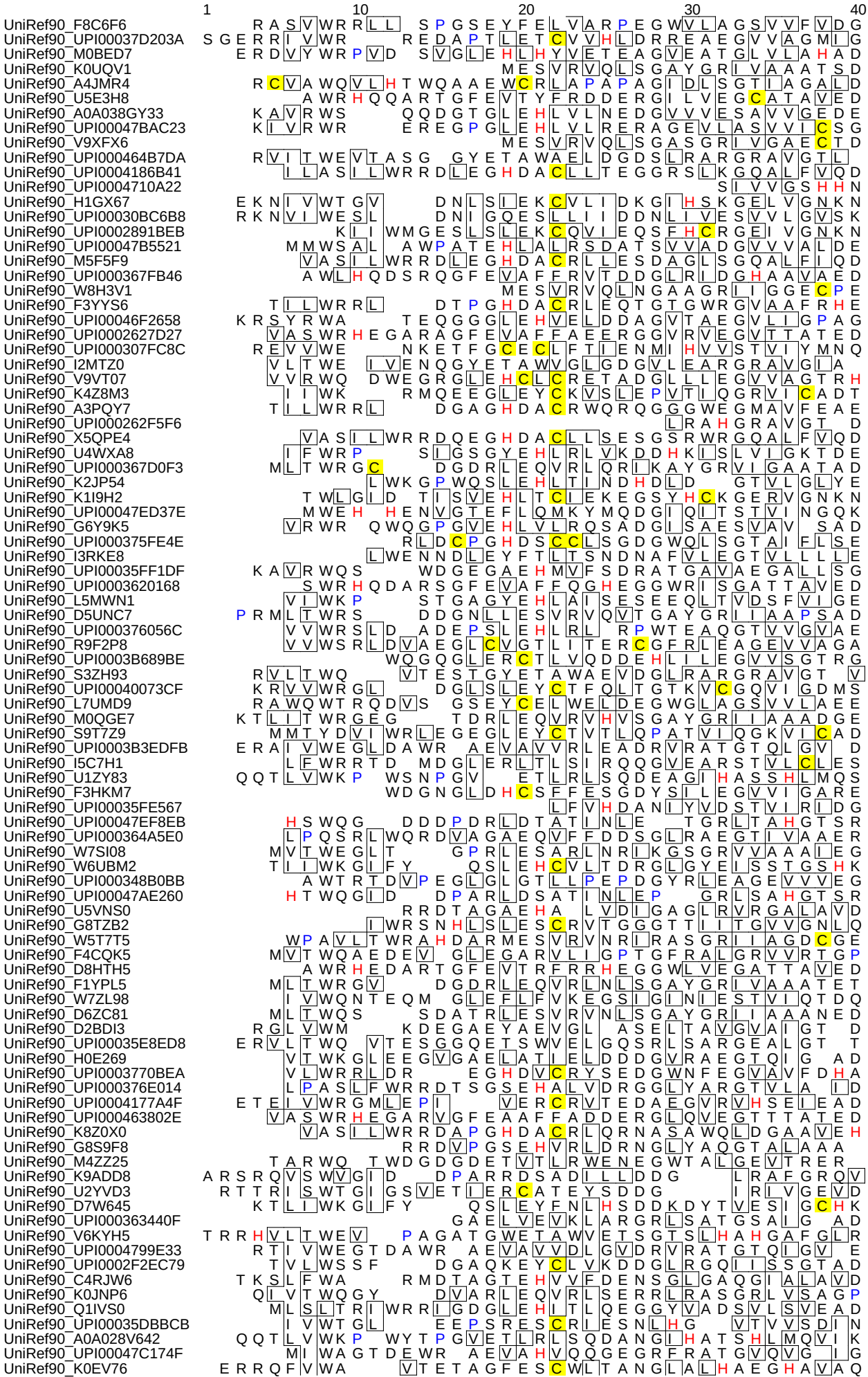

1
10
20
30
40
QUERY
UniRef90_A0A024HHU7
UniRef90_M4WXH6
UniRef90_V4R0N8
UniRef90_J2TGL8
UniRef90_X7ZJL0
UniRef90_D6THI3
UniRef90_X5LGD9
UniRef90_B2JKZ1
UniRef90_Z5XGK6
UniRef90_W9GX40
UniRef90_R4SVA1
UniRef90_UPI000361051C
UniRef90_UPI0003470D19
UniRef90_UPI000463597A
UniRef90_UPI000382B5F1
UniRef90_A1UN32
UniRef90_J1T384
UniRef90_C0ZM58
UniRef90_I4YUX9
UniRef90_F6BUN8
UniRef90_W2SRT2
UniRef90_W8HWN1
UniRef90_H8N173
UniRef90_L0J436
UniRef90_H2CLU7
UniRef90_A9D185
UniRef90_E4WBY4
UniRef90_X6FYQ5
UniRef90_U3H5S7
UniRef90_G9EX29
UniRef90_A0A024RHT3
UniRef90_W4BHH8
UniRef90_M3J505
UniRef90_H6N098
UniRef90_D0LCC5
UniRef90_L7KSC0
UniRef90_UPI00036964E1
UniRef90_A0B186
UniRef90_S6AT11
UniRef90_L8DCZ6
UniRef90_L9ZQ10
UniRef90_K2KK79
UniRef90_W6B899
UniRef90_Q745R2
UniRef90_V5X6U8
UniRef90_K9DGI8
UniRef90_UPI0003704E64
UniRef90_UPI00036F9EE7
UniRef90_M2X0H9
UniRef90_UPI0003AA876E
UniRef90_D5P957
UniRef90_J7T124
UniRef90_B9J9L3
UniRef90_UPI000371D517
UniRef90_U2U3J1
UniRef90_E8TLH6
UniRef90_A9ALY1
UniRef90_K5BIG6
UniRef90_M7A028
UniRef90_G7GM46
UniRef90_A0A016QL65
UniRef90_Q67PY6
UniRef90_UPI000412CDC5
UniRef90_W8YI35
UniRef90_UPI00041C4866
UniRef90_H8MQF7
UniRef90_UPI0004766361
UniRef90_X6H476
UniRef90_C7PF77
UniRef90_H8I389
UniRef90_K6WZ83
UniRef90_F2LLI7
UniRef90_H5UGS2
UniRef90_M3UV96
UniRef90_H0R540
UniRef90_S4MFY9
UniRef90_H6R8K4
UniRef90_W3AH52
UniRef90_UPI000369F414
UniRef90_UPI000376DC01
UniRef90_B1MFG5
UniRef90_F7Y485
UniRef90_UPI000475EEF5
UniRef90_UPI000248CBC3
UniRef90_UPI0002E2B8DC
UniRef90_J3AI94
UniRef90_UPI0004093D97
UniRef90_X6DNH2
UniRef90_UPI00035E3796
UniRef90_UPI0004767507
UniRef90_F6EF71

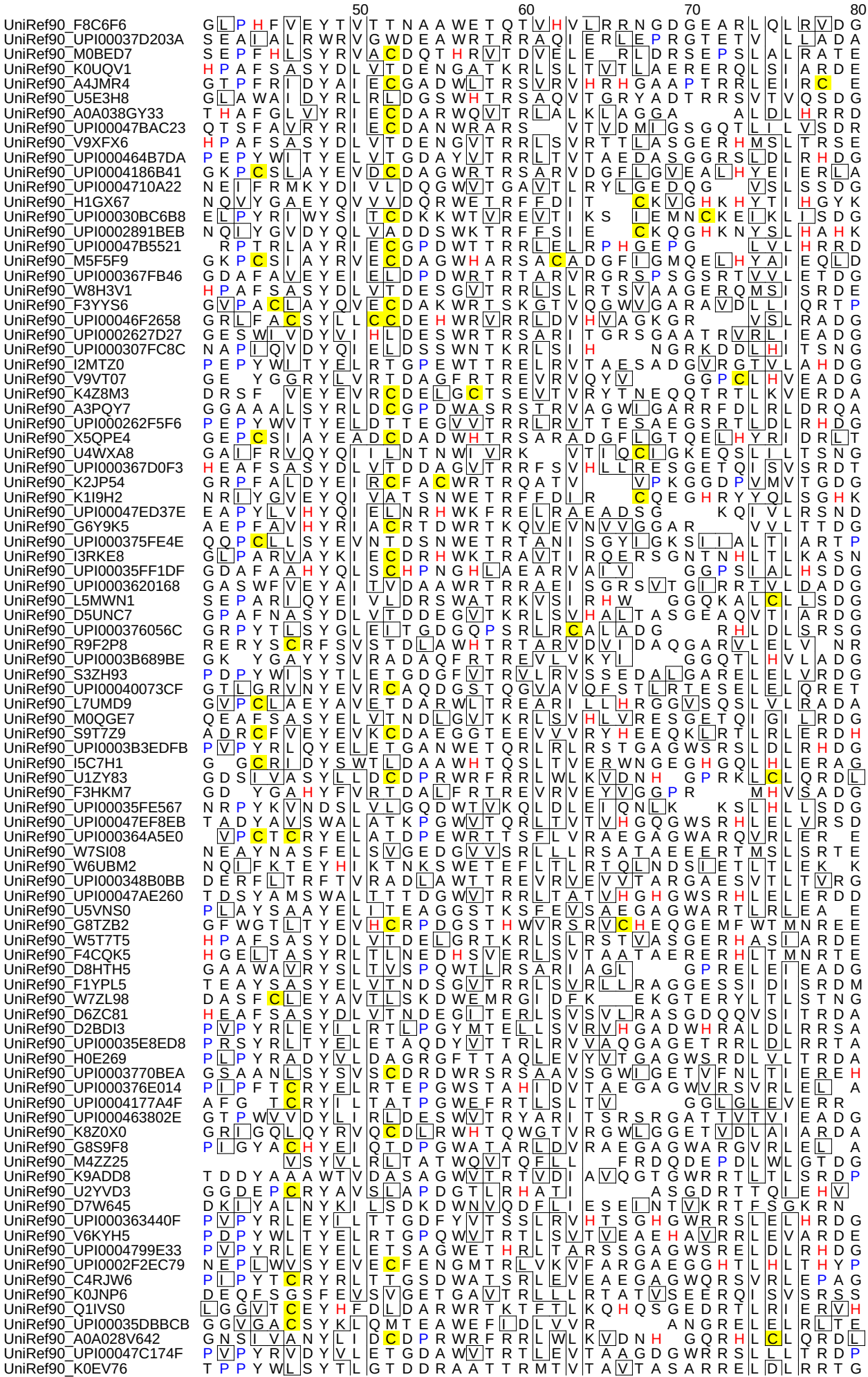

50
60
70
80
QUERY
UniRef90_A0A024HHU7
UniRef90_M4WXH6
UniRef90_V4R0N8
UniRef90_J2TGL8
UniRef90_X7ZJL0
UniRef90_D6THI3
UniRef90_X5LGD9
UniRef90_B2JKZ1
UniRef90_Z5XGK6
UniRef90_W9GX40
UniRef90_R4SVA1
UniRef90_UPI000361051C
UniRef90_UPI0003470D19
UniRef90_UPI000463597A
UniRef90_UPI000382B5F1
UniRef90_A1UN32
UniRef90_J1T384
UniRef90_C0ZM58
UniRef90_I4YUX9
UniRef90_F6BUN8
UniRef90_W2SRT2
UniRef90_W8HWN1
UniRef90_H8N173
UniRef90_L0J436
UniRef90_H2CLU7
UniRef90_A9D185
UniRef90_E4WBY4
UniRef90_X6FYQ5
UniRef90_U3H5S7
UniRef90_G9EX29
UniRef90_A0A024RHT3
UniRef90_W4BHH8
UniRef90_M3J505
UniRef90_H6N098
UniRef90_D0LCC5
UniRef90_L7KSC0
UniRef90_UPI00036964E1
UniRef90_A0B186
UniRef90_S6AT11
UniRef90_L8DCZ6
UniRef90_L9ZQ10
UniRef90_K2KK79
UniRef90_W6B899
UniRef90_Q745R2
UniRef90_V5X6U8
UniRef90_K9DGI8
UniRef90_UPI0003704E64
UniRef90_UPI00036F9EE7
UniRef90_M2X0H9
UniRef90_UPI0003AA876E
UniRef90_D5P957
UniRef90_J7T124
UniRef90_B9J9L3
UniRef90_UPI000371D517
UniRef90_U2U3J1
UniRef90_E8TLH6
UniRef90_A9ALY1
UniRef90_K5BIG6
UniRef90_M7A028
UniRef90_G7GM46
UniRef90_A0A016QL65
UniRef90_Q67PY6
UniRef90_UPI000412CDC5
UniRef90_W8YI35
UniRef90_UPI00041C4866
UniRef90_H8MQF7
UniRef90_UPI0004766361
UniRef90_X6H476
UniRef90_C7PF77
UniRef90_H8I389
UniRef90_K6WZ83
UniRef90_F2LLI7
UniRef90_H5UGS2
UniRef90_M3UV96
UniRef90_H0R540
UniRef90_S4MFY9
UniRef90_H6R8K4
UniRef90_W3AH52
UniRef90_UPI000369F414
UniRef90_UPI000376DC01
UniRef90_B1MFG5
UniRef90_F7Y485
UniRef90_UPI000475EEF5
UniRef90_UPI000248CBC3
UniRef90_UPI0002E2B8DC
UniRef90_J3AI94
UniRef90_UPI0004093D97
UniRef90_X6DNH2
UniRef90_UPI00035E3796
UniRef90_UPI0004767507
UniRef90_F6EF71

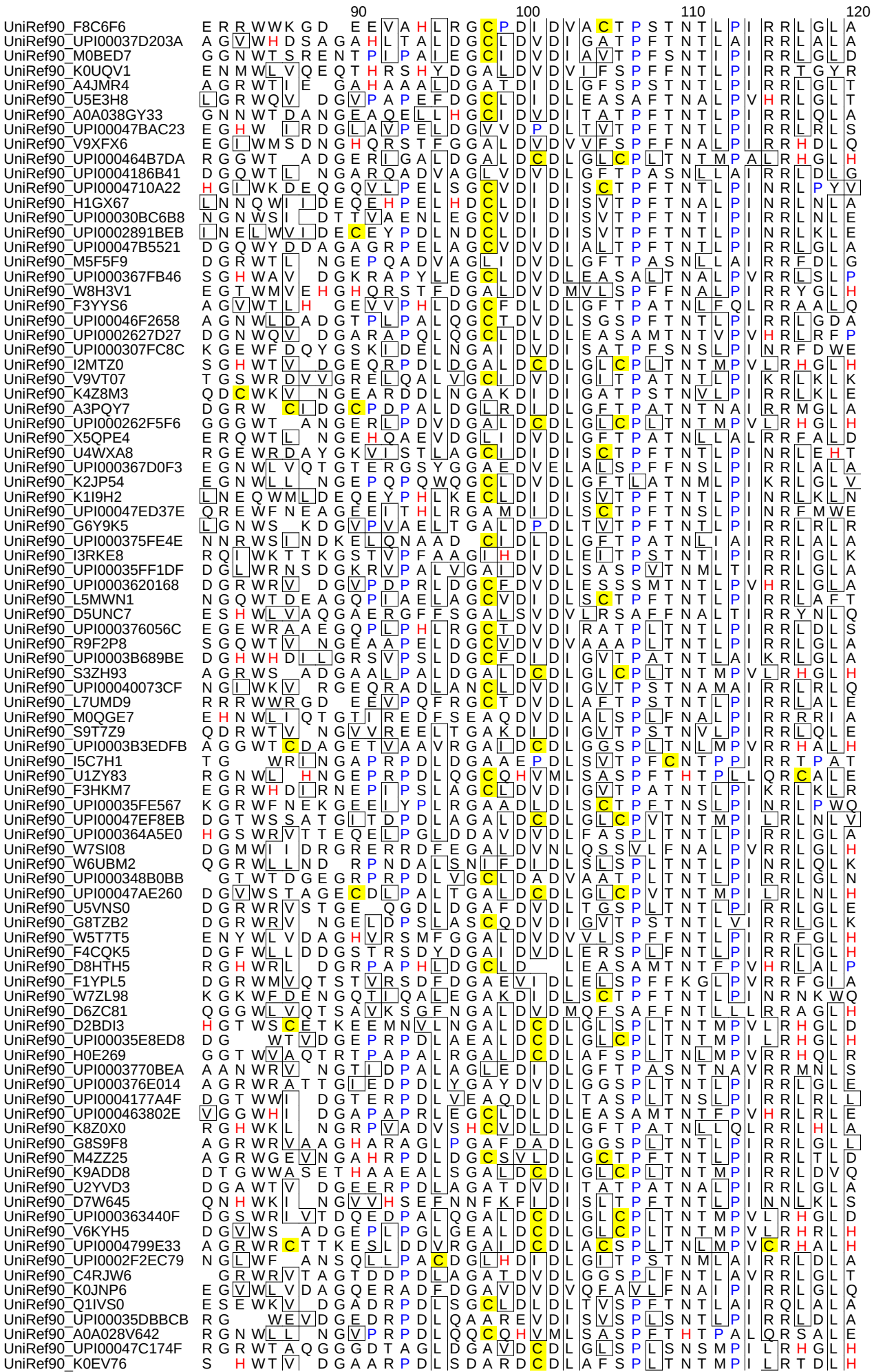

90
100
110
120
QUERY
UniRef90_A0A024HHU7
UniRef90_M4WXH6
UniRef90_V4R0N8
UniRef90_J2TGL8
UniRef90_X7ZJL0
UniRef90_D6THI3
UniRef90_X5LGD9
UniRef90_B2JKZ1
UniRef90_Z5XGK6
UniRef90_W9GX40
UniRef90_R4SVA1
UniRef90_UPI000361051C
UniRef90_UPI0003470D19
UniRef90_UPI000463597A
UniRef90_UPI000382B5F1
UniRef90_A1UN32
UniRef90_J1T384
UniRef90_C0ZM58
UniRef90_I4YUX9
UniRef90_F6BUN8
UniRef90_W2SRT2
UniRef90_W8HWN1
UniRef90_H8N173
UniRef90_L0J436
UniRef90_H2CLU7
UniRef90_A9D185
UniRef90_E4WBY4
UniRef90_X6FYQ5
UniRef90_U3H5S7
UniRef90_G9EX29
UniRef90_A0A024RHT3
UniRef90_W4BHH8
UniRef90_M3J505
UniRef90_H6N098
UniRef90_D0LCC5
UniRef90_L7KSC0
UniRef90_UPI00036964E1
UniRef90_A0B186
UniRef90_S6AT11
UniRef90_L8DCZ6
UniRef90_L9ZQ10
UniRef90_K2KK79
UniRef90_W6B899
UniRef90_Q745R2
UniRef90_V5X6U8
UniRef90_K9DGI8
UniRef90_UPI0003704E64
UniRef90_UPI00036F9EE7
UniRef90_M2X0H9
UniRef90_UPI0003AA876E
UniRef90_D5P957
UniRef90_J7T124
UniRef90_B9J9L3
UniRef90_UPI000371D517
UniRef90_U2U3J1
UniRef90_E8TLH6
UniRef90_A9ALY1
UniRef90_K5BIG6
UniRef90_M7A028
UniRef90_G7GM46
UniRef90_A0A016QL65
UniRef90_Q67PY6
UniRef90_UPI000412CDC5
UniRef90_W8YI35
UniRef90_UPI00041C4866
UniRef90_H8MQF7
UniRef90_UPI0004766361
UniRef90_X6H476
UniRef90_C7PF77
UniRef90_H8I389
UniRef90_K6WZ83
UniRef90_F2LLI7
UniRef90_H5UGS2
UniRef90_M3UV96
UniRef90_H0R540
UniRef90_S4MFY9
UniRef90_H6R8K4
UniRef90_W3AH52
UniRef90_UPI000369F414
UniRef90_UPI000376DC01
UniRef90_B1MFG5
UniRef90_F7Y485
UniRef90_UPI000475EEF5
UniRef90_UPI000248CBC3
UniRef90_UPI0002E2B8DC
UniRef90_J3AI94
UniRef90_UPI0004093D97
UniRef90_X6DNH2
UniRef90_UPI00035E3796
UniRef90_UPI0004767507
UniRef90_F6EF71

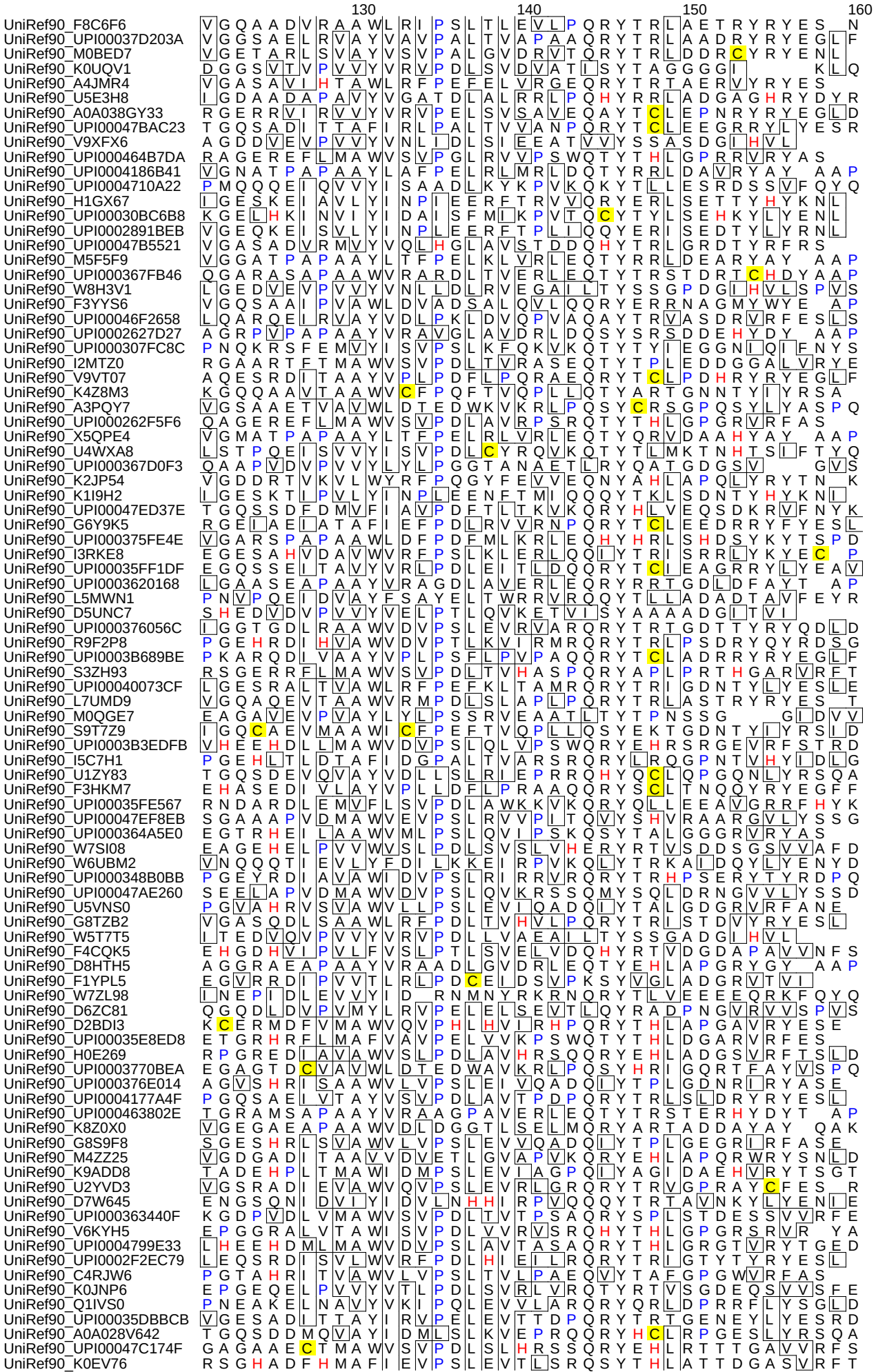

130
140
150
160
QUERY
UniRef90_A0A024HHU7
UniRef90_M4WXH6
UniRef90_V4R0N8
UniRef90_J2TGL8
UniRef90_X7ZJL0
UniRef90_D6THI3
UniRef90_X5LGD9
UniRef90_B2JKZ1
UniRef90_Z5XGK6
UniRef90_W9GX40
UniRef90_R4SVA1
UniRef90_UPI000361051C
UniRef90_UPI0003470D19
UniRef90_UPI000463597A
UniRef90_UPI000382B5F1
UniRef90_A1UN32
UniRef90_J1T384
UniRef90_C0ZM58
UniRef90_I4YUX9
UniRef90_F6BUN8
UniRef90_W2SRT2
UniRef90_W8HWN1
UniRef90_H8N173
UniRef90_L0J436
UniRef90_H2CLU7
UniRef90_A9D185
UniRef90_E4WBY4
UniRef90_X6FYQ5
UniRef90_U3H5S7
UniRef90_G9EX29
UniRef90_A0A024RHT3
UniRef90_W4BHH8
UniRef90_M3J505
UniRef90_H6N098
UniRef90_D0LCC5
UniRef90_L7KSC0
UniRef90_UPI00036964E1
UniRef90_A0B186
UniRef90_S6AT11
UniRef90_L8DCZ6
UniRef90_L9ZQ10
UniRef90_K2KK79
UniRef90_W6B899
UniRef90_Q745R2
UniRef90_V5X6U8
UniRef90_K9DGI8
UniRef90_UPI0003704E64
UniRef90_UPI00036F9EE7
UniRef90_M2X0H9
UniRef90_UPI0003AA876E
UniRef90_D5P957
UniRef90_J7T124
UniRef90_B9J9L3
UniRef90_UPI000371D517
UniRef90_U2U3J1
UniRef90_E8TLH6
UniRef90_A9ALY1
UniRef90_K5BIG6
UniRef90_M7A028
UniRef90_G7GM46
UniRef90_A0A016QL65
UniRef90_Q67PY6
UniRef90_UPI000412CDC5
UniRef90_W8YI35
UniRef90_UPI00041C4866
UniRef90_H8MQF7
UniRef90_UPI0004766361
UniRef90_X6H476
UniRef90_C7PF77
UniRef90_H8I389
UniRef90_K6WZ83
UniRef90_F2LLI7
UniRef90_H5UGS2
UniRef90_M3UV96
UniRef90_H0R540
UniRef90_S4MFY9
UniRef90_H6R8K4
UniRef90_W3AH52
UniRef90_UPI000369F414
UniRef90_UPI000376DC01
UniRef90_B1MFG5
UniRef90_F7Y485
UniRef90_UPI000475EEF5
UniRef90_UPI000248CBC3
UniRef90_UPI0002E2B8DC
UniRef90_J3AI94
UniRef90_UPI0004093D97
UniRef90_X6DNH2
UniRef90_UPI00035E3796
UniRef90_UPI0004767507
UniRef90_F6EF71

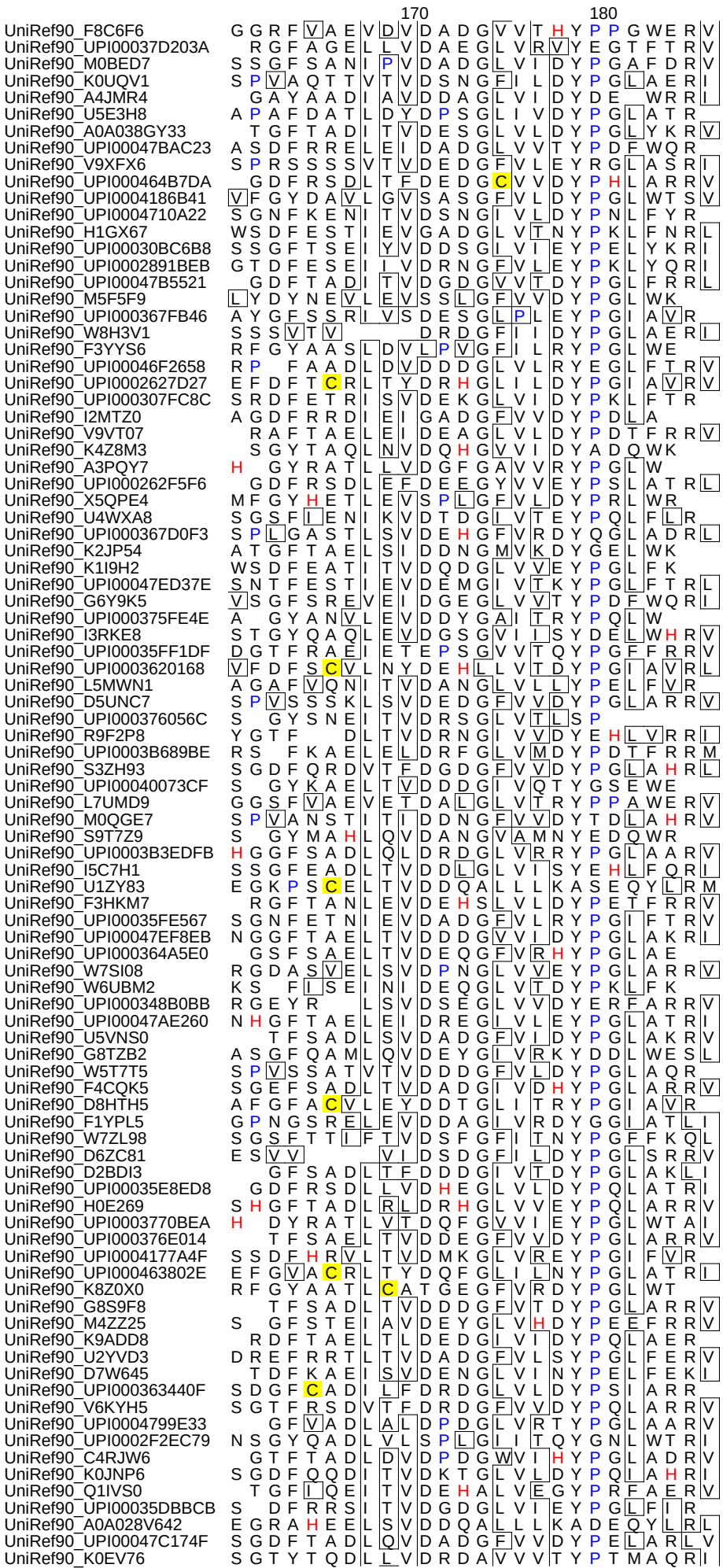

170
180
QUERY G S A F K A V L L V D E Q G L V I D Y P G L F Q R L
UniRef90_A0A024HHU7 G S G F Q A L L E V D E H G L V L D Y P T L F R R V
UniRef90_M4WXH6 G T N F Q A L L T V D E D G L V L D Y P T L F R R
UniRef90_V4R0N8 G S F S A E I E V D E D G L V L D Y P G L F R R L
UniRef90_J2TGL8 G S G F K A E L P V D E S G I V L D Y P G L F R R L
UniRef90_X7ZJL0 S P V A D T T I T V D A D G F I V D Y P G L A E R I
UniRef90_D6THI3 S E F S T E I T I D D D G L V I N Y P H L F E Q L
UniRef90_X5LGD9 S P V A D T T I T V D P D G F I L D Y P G L A E R I
UniRef90_B2JKZ1 T G F A A E L K V D G D G L V I D Y P T M F T R
UniRef90_Z5XGK6 S P V A D T T I T V D A D G F I V D Y P G L A E R I
UniRef90_W9GX40 G D F S R E I E I D G D G L V I E Y P G L F R R V
UniRef90_R4SVA1 S P V A D T T V T V D S D G F I V D Y P G L A E R M
UniRef90_UPI000361051C S P V A D T S I T V D D D G F I L G Y P G L A E R I
UniRef90_UPI0003470D19 R D F T A N L T V D E D G I V I D Y P T L F R R L
UniRef90_UPI000463597A S P V A D T T I S V D A D G F I L D Y P G L A E R I
UniRef90_UPI000382B5F1 S P V S Q T T I T V D P Y G F I L D Y P G L A E R I
UniRef90_A1UN32 S P V A D T T I T V D A D G F I V D Y P G L A A R I
UniRef90_J1T384 S T G F S A E L E V D D D G I V L D Y P G V F R R L
UniRef90_C0ZM58 S P V S S S T L A V D T E G F V L D Y P G L A T R I
UniRef90_I4YUX9 S G F T A D L P V D E D G F V L D Y P G L F K R L
UniRef90_F6BUN8 G S F T A D L P V D E D G L V L D Y P T L F Q R L
UniRef90_W2SRT2 R D F T A N L R V D E D G L V I D Y P T L F R R L
UniRef90_W8HWN1 D R S F A A D L P V D E D G L V I D Y P T L F Q R L
UniRef90_H8N173 S G F N A M L D V D T D G L P I E Y A G I W R R L
UniRef90_L0J436 S P V A E T T I R V D D E G F I L D Y P G L A A R I
UniRef90_H2CLU7 S S S F R A E L S V D E H G V V L D Y P N L F Y R I
UniRef90_A9D185 D R P F V A E L P V D S D G F V T D Y P D L F E R I
UniRef90_E4WBY4 S P V S S S S I K V D A D G F V L D Y P G L A E R I
UniRef90_X6FYQ5 R N F Q A E L D V D E D G L V R D Y P S L F K R
UniRef90_U3H5S7 G D G F H A V L T L G D D G L V E D Y P G L F R R L
UniRef90_G9EX29 N G F T A E F F V D K E G F V I D Y P D L F K R V
UniRef90_A0A024RHT3 R N F T A E M D I D D D G L V V D Y E T L F K R L
UniRef90_W4BHH8 N G A Y Q A D L E V D E H G L V T K Y A D V W S R
UniRef90_M3J505 D R T F T A E L P V D E D G L V T D Y P T L F Q R L
UniRef90_H6N098 S P V A T S T L T V D D N G F V I D Y Q G L A S R V
UniRef90_D0LCC5 S P V A N S T L T I D D N G F V V D Y P G L A T R V
UniRef90_L7KSC0 S P V A T A K I T V D E N G F V V N Y E G L A E R V
UniRef90_UPI00036964E1 D R S F E A E L A I D D D G F V T D Y P S L F T R V
UniRef90_A0B186 R N F T A E M D I D N D G L V I D Y E T L F K R L
UniRef90_S6AT11 G S G F E A V L T L D E D G L V N R Y P S F Q R L
UniRef90_L8DCZ6 S P V S T S S V K V D A D G F V L D Y P G L A E R I
UniRef90_L9ZQ10 S S G F T A E L P V D S D G L V T T Y P E L F E Q V
UniRef90_K2KK79 S D F K A V L E V D E D G F P V Q Y E G I W T R I
UniRef90_W6B899 A S G F T A R L E V D R D G L V I D Y E A L F K R L
UniRef90_Q745R2 S P I S D T T V S V D E Q G F I V D Y P G L A E R I
UniRef90_V5X6U8 S P V A E T V V T V D D D G F I L D Y P G L A A R I
UniRef90_K9DGI8 D P F R A D I E T D A D G L V V H Y P G L F Q R L
UniRef90_UPI0003704E64 D R S F I A E L S V D E D G L V T D Y P T L F L R L
UniRef90_UPI00036F9EE7 M F G Y E E I L G V S P H G F V F D Y P G L W T N V
UniRef90_M2X0H9 S P V S S S T I S V D G Q G F L L D Y P G L A E R I
UniRef90_UPI0003AA876E A D A F T A E I E T D A E G L V L R Y P G L F T R I
UniRef90_D5P957 S P V A D T T V S V D E E G F I V D Y P G L A E R I
UniRef90_J7T124 N G F T A E F F V D K E G V V I D Y P D L F E R V
UniRef90_B9J9L3 D R I F T V D L P V D A D G L V I D Y P I Y F R R V
UniRef90_UPI000371D517 R S F A V D L P V D E D G L V I D Y P T L F K R L
UniRef90_U2U3J1 G G S F K A E V D V D A L G L V T N Y P P G W E R V
UniRef90_E8TLH6 A S D F R R E L E I D R N G L V V D Y P D F W R R
UniRef90_A9ALY1 G T Y A A D L T V D A A G L V I D Y D E W R R I
UniRef90_K5BIG6 S P V A E T T M T V D P D G F I V D Y P G L A A R I
UniRef90_M7A028 S P V A N S A L T V D E N G F V I D Y P G L A T R V
UniRef90_G7GM46 G P V A S S T V T F D E N G F V I N Y E G L S E R V
UniRef90_A0A016QL65 S G F R A E V Q V D G E G L V T L Y P E A F E R L
UniRef90_Q67PY6 G G Y T A V L S V D E S G F V L E Y P G R F R R L
UniRef90_UPI000412CDC5 S G F T A D L P V D G D G L V M D Y P G V F R R V
UniRef90_W8YI35 F E A E L D V G G E G M I H R Y G D L W
UniRef90_UPI00041C4866 D P G G T T V T V D A D G F V I D Y P G L A T R I
UniRef90_H8MQF7 G G S F V A E L D T D A L G L V T H Y P D G W E R V
UniRef90_UPI0004766361 N G S F T A L L R V D E Y A L V L D Y G D I W
UniRef90_X6H476 V F G Y D E T L N I S P H G F V V D Y P G L W R
UniRef90_C7PF77 S S G F T A E I V V D E A G L V V D Y P G I W E R
UniRef90_H8I389 S P V A D T T V T V D S D G F I V D Y P G L A E R M
UniRef90_K6WZ83 S P I V T S M L T T D E N G F V A D Y A G L A S R V
UniRef90_F2LLI7 G R F T A G L S V D D D G L V L E Y D T L F R R L
UniRef90_H5UGS2 S P L A T T T I T V D D N G F V L D Y P G L A R R V
UniRef90_M3UV96 S P L A T T T L T L D E N G F V I D Y P T L A R R V
UniRef90_H0R540 T P I A S T S V T V D D N G F V L D Y A G I S T R I
UniRef90_S4MFY9 G D F R S D L E F D E Q G Y V V E Y P S L A T R L
UniRef90_H6R8K4 S P V S S A T V T V D P D G F L L D Y P G L A E R I
UniRef90_W3AH52 S P G F E S L I F T D E K G F V V D Y P G L F E R
UniRef90_UPI000369F414 G D F R S D L L F D E D G L V V D Y P S L A R R I
UniRef90_UPI000376DC01 G P V A S T T I T V D Q N G F V R D Y P G L A E R I
UniRef90_B1MFG5 S P V A D T T V T V D D E G F L L E Y P G L A V R I
UniRef90_F7Y485 M F G Y E E V L D V S P L G F V V D Y P G L W T
UniRef90_UPI000475EEF5 H G S F E L T V D R H G L I V D Y E G F A A R V
UniRef90_UPI000248CBC3 S G N F T E N I T V D S S G I V V V Y P D L F Y R
UniRef90_UPI0002E2B8DC A T G F T A D L T V D E A G L V V D Y P G I W R R
UniRef90_J3AI94 A G T F M E N I T V D S N G L V L I Y P E L F L R
UniRef90_UPI0004093D97 G S G F I A E I S T D A N E L V L D Y P G L Y R R V
UniRef90_X6DNH2 A S D F R R E L E I D A E G L V V D Y P D F W R R
UniRef90_UPI00035E3796 S G Y T A R L E V D S N G V V V E Y E K E W L R I
UniRef90_UPI0004767507 H G R Y R L S V D N H G L V V D Y E G L A R R L
UniRef90_F6EF71 S P V A S A T V T V D S D G F L I D Y P A L G Q R I

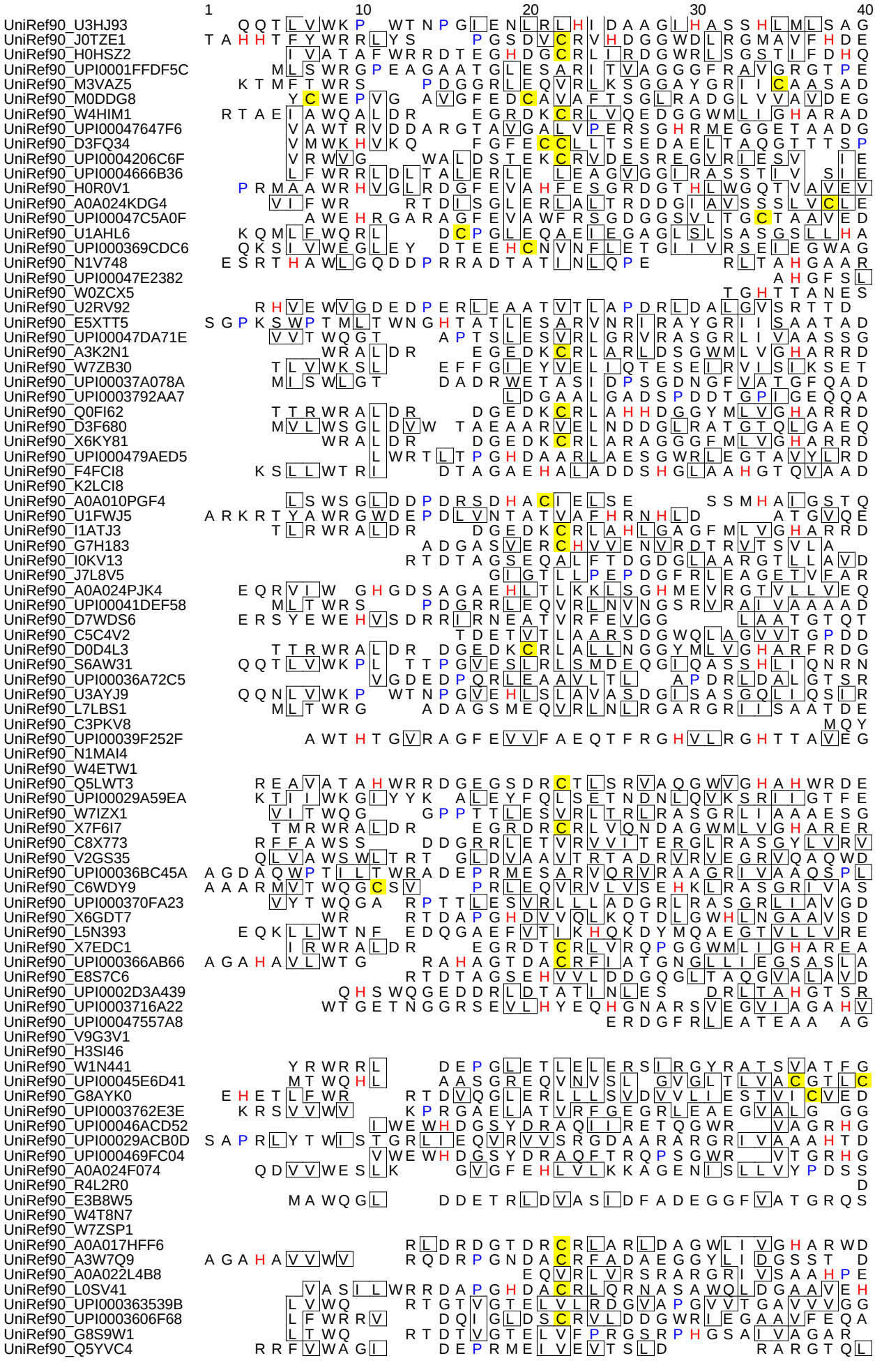

1
10
20
30
40
UniRef90_F8C6F6
UniRef90_UPI00037D203A
UniRef90_M0BED7
UniRef90_K0UQV1
UniRef90_A4JMR4
UniRef90_U5E3H8
UniRef90_A0A038GY33
UniRef90_UPI00047BAC23
UniRef90_V9XFX6
UniRef90_UPI000464B7DA
UniRef90_UPI0004186B41
UniRef90_UPI0004710A22
UniRef90_H1GX67
UniRef90_UPI00030BC6B8
UniRef90_UPI0002891BEB
UniRef90_UPI00047B5521
UniRef90_M5F5F9
UniRef90_UPI000367FB46
UniRef90_W8H3V1
UniRef90_F3YYS6
UniRef90_UPI00046F2658
UniRef90_UPI0002627D27
UniRef90_UPI000307FC8C
UniRef90_I2MTZ0
UniRef90_V9VT07
UniRef90_K4Z8M3
UniRef90_A3PQY7
UniRef90_UPI000262F5F6
UniRef90_X5QPE4
UniRef90_U4WXA8
UniRef90_UPI000367D0F3
UniRef90_K2JP54
UniRef90_K1I9H2
UniRef90_UPI00047ED37E
UniRef90_G6Y9K5
UniRef90_UPI000375FE4E
UniRef90_I3RKE8
UniRef90_UPI00035FF1DF
UniRef90_UPI0003620168
UniRef90_L5MWN1
UniRef90_D5UNC7
UniRef90_UPI000376056C
UniRef90_R9F2P8
UniRef90_UPI0003B689BE
UniRef90_S3ZH93
UniRef90_UPI00040073CF
UniRef90_L7UMD9
UniRef90_M0QGE7
UniRef90_S9T7Z9
UniRef90_UPI0003B3EDFB
UniRef90_I5C7H1
UniRef90_U1ZY83
UniRef90_F3HKM7
UniRef90_UPI00035FE567
UniRef90_UPI00047EF8EB
UniRef90_UPI000364A5E0
UniRef90_W7SI08
UniRef90_W6UBM2
UniRef90_UPI000348B0BB
UniRef90_UPI00047AE260
UniRef90_U5VNS0
UniRef90_G8TZB2
UniRef90_W5T7T5
UniRef90_F4CQK5
UniRef90_D8HTH5
UniRef90_F1YPL5
UniRef90_W7ZL98
UniRef90_D6ZC81
UniRef90_D2BDI3
UniRef90_UPI00035E8ED8
UniRef90_H0E269
UniRef90_UPI0003770BEA
UniRef90_UPI000376E014
UniRef90_UPI0004177A4F
UniRef90_UPI000463802E
UniRef90_K8Z0X0
UniRef90_G8S9F8
UniRef90_M4ZZ25
UniRef90_K9ADD8
UniRef90_U2YVD3
UniRef90_D7W645
UniRef90_UPI000363440F
UniRef90_V6KYH5
UniRef90_UPI0004799E33
UniRef90_UPI0002F2EC79
UniRef90_C4RJW6
UniRef90_K0JNP6
UniRef90_Q1IVS0
UniRef90_UPI00035DBBCB
UniRef90_A0A028V642
UniRef90_UPI00047C174F
UniRef90_K0EV76

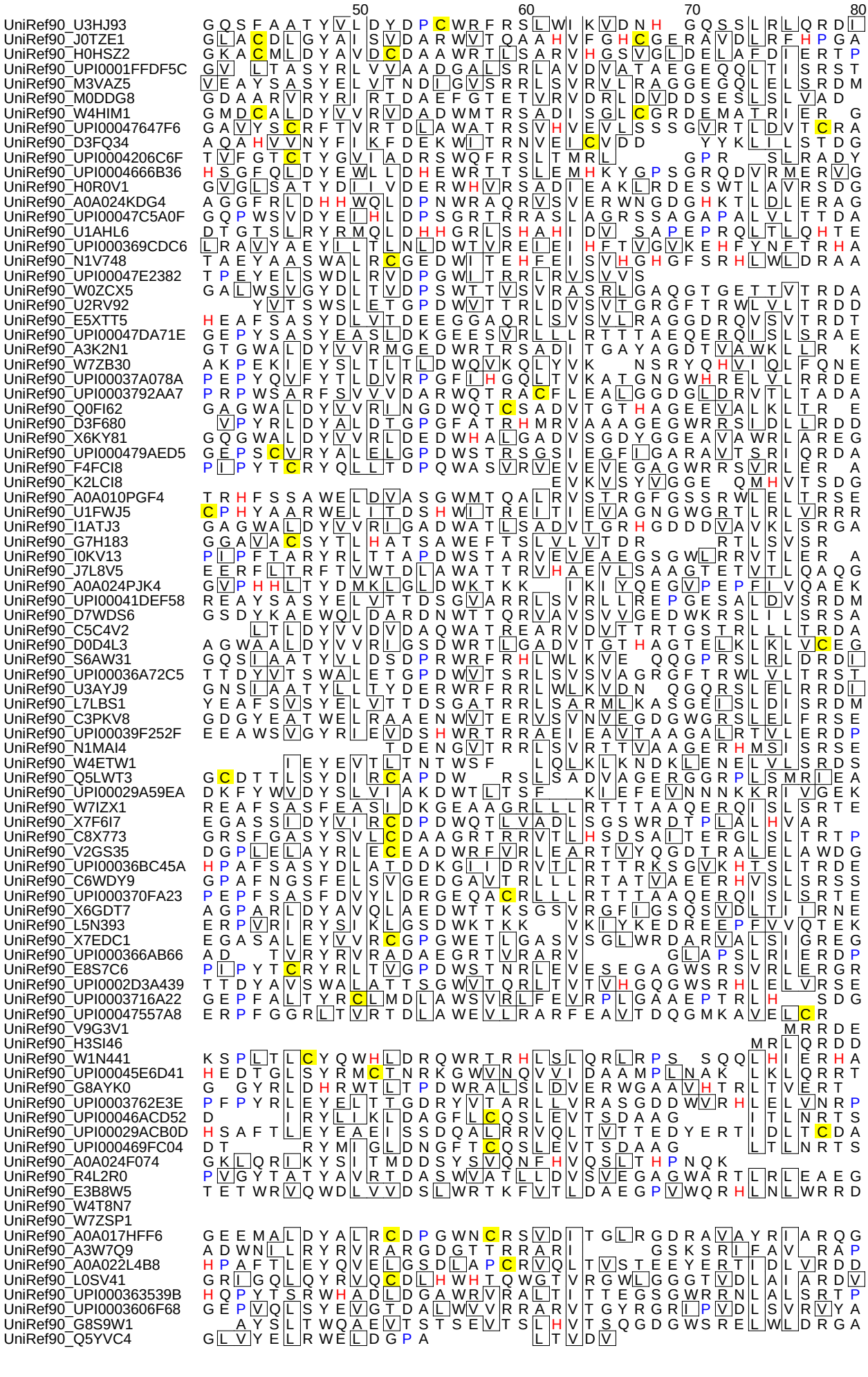

50
60
70
80
UniRef90_F8C6F6
UniRef90_UPI00037D203A
UniRef90_M0BED7
UniRef90_K0UQV1
UniRef90_A4JMR4
UniRef90_U5E3H8
UniRef90_A0A038GY33
UniRef90_UPI00047BAC23
UniRef90_V9XFX6
UniRef90_UPI000464B7DA
UniRef90_UPI0004186B41
UniRef90_UPI0004710A22
UniRef90_H1GX67
UniRef90_UPI00030BC6B8
UniRef90_UPI0002891BEB
UniRef90_UPI00047B5521
UniRef90_M5F5F9
UniRef90_UPI000367FB46
UniRef90_W8H3V1
UniRef90_F3YYS6
UniRef90_UPI00046F2658
UniRef90_UPI0002627D27
UniRef90_UPI000307FC8C
UniRef90_I2MTZ0
UniRef90_V9VT07
UniRef90_K4Z8M3
UniRef90_A3PQY7
UniRef90_UPI000262F5F6
UniRef90_X5QPE4
UniRef90_U4WXA8
UniRef90_UPI000367D0F3
UniRef90_K2JP54
UniRef90_K1I9H2
UniRef90_UPI00047ED37E
UniRef90_G6Y9K5
UniRef90_UPI000375FE4E
UniRef90_I3RKE8
UniRef90_UPI00035FF1DF
UniRef90_UPI0003620168
UniRef90_L5MWN1
UniRef90_D5UNC7
UniRef90_UPI000376056C
UniRef90_R9F2P8
UniRef90_UPI0003B689BE
UniRef90_S3ZH93
UniRef90_UPI00040073CF
UniRef90_L7UMD9
UniRef90_M0QGE7
UniRef90_S9T7Z9
UniRef90_UPI0003B3EDFB
UniRef90_I5C7H1
UniRef90_U1ZY83
UniRef90_F3HKM7
UniRef90_UPI00035FE567
UniRef90_UPI00047EF8EB
UniRef90_UPI000364A5E0
UniRef90_W7SI08
UniRef90_W6UBM2
UniRef90_UPI000348B0BB
UniRef90_UPI00047AE260
UniRef90_U5VNS0
UniRef90_G8TZB2
UniRef90_W5T7T5
UniRef90_F4CQK5
UniRef90_D8HTH5
UniRef90_F1YPL5
UniRef90_W7ZL98
UniRef90_D6ZC81
UniRef90_D2BDI3
UniRef90_UPI00035E8ED8
UniRef90_H0E269
UniRef90_UPI0003770BEA
UniRef90_UPI000376E014
UniRef90_UPI0004177A4F
UniRef90_UPI000463802E
UniRef90_K8Z0X0
UniRef90_G8S9F8
UniRef90_M4ZZ25
UniRef90_K9ADD8
UniRef90_U2YVD3
UniRef90_D7W645
UniRef90_UPI000363440F
UniRef90_V6KYH5
UniRef90_UPI0004799E33
UniRef90_UPI0002F2EC79
UniRef90_C4RJW6
UniRef90_K0JNP6
UniRef90_Q1IVS0
UniRef90_UPI00035DBBCB
UniRef90_A0A028V642
UniRef90_UPI00047C174F
UniRef90_K0EV76

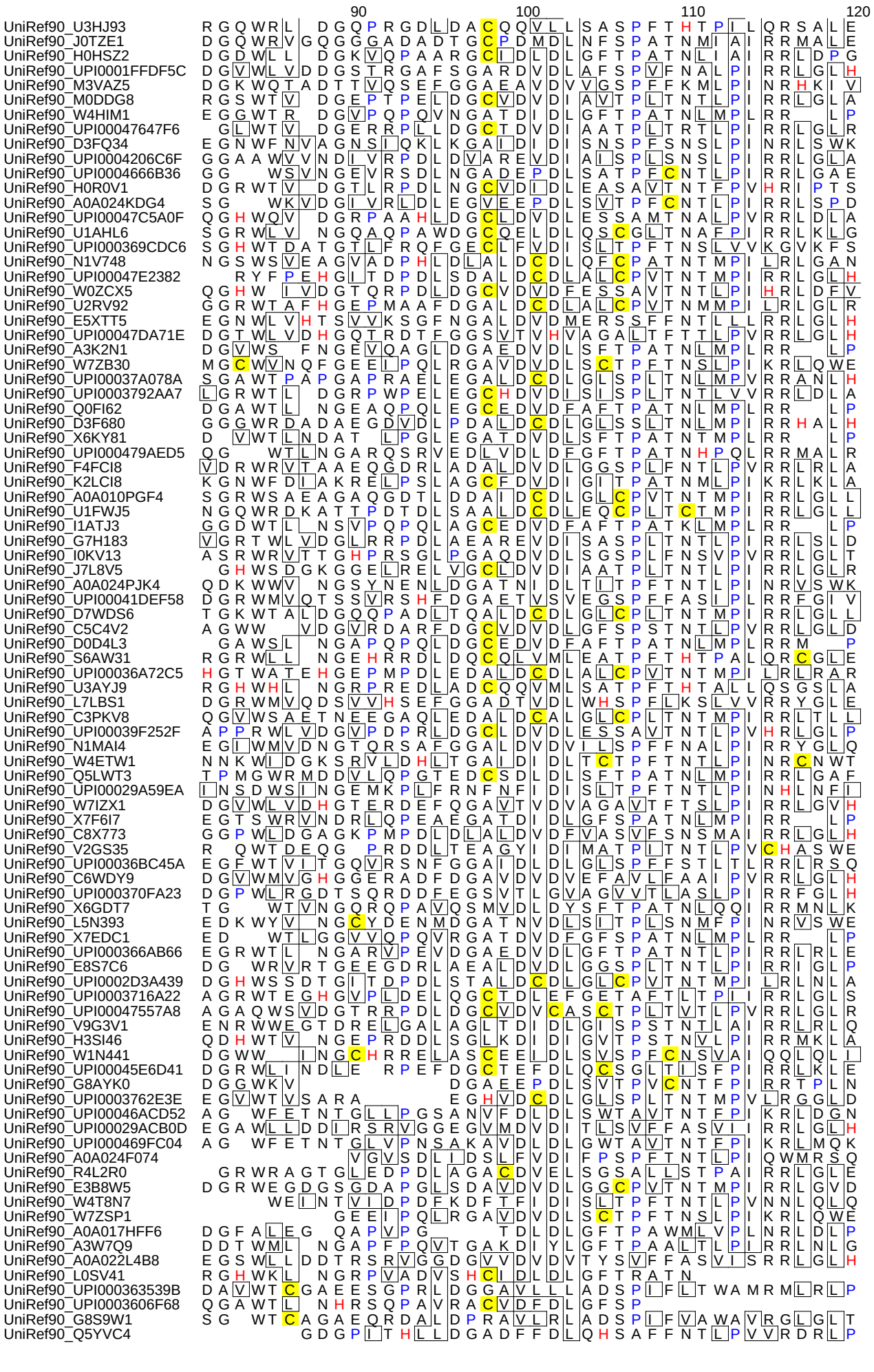

90
100
110
120
UniRef90_F8C6F6
UniRef90_UPI00037D203A
UniRef90_M0BED7
UniRef90_K0UQV1
UniRef90_A4JMR4
UniRef90_U5E3H8
UniRef90_A0A038GY33
UniRef90_UPI00047BAC23
UniRef90_V9XFX6
UniRef90_UPI000464B7DA
UniRef90_UPI0004186B41
UniRef90_UPI0004710A22
UniRef90_H1GX67
UniRef90_UPI00030BC6B8
UniRef90_UPI0002891BEB
UniRef90_UPI00047B5521
UniRef90_M5F5F9
UniRef90_UPI000367FB46
UniRef90_W8H3V1
UniRef90_F3YYS6
UniRef90_UPI00046F2658
UniRef90_UPI0002627D27
UniRef90_UPI000307FC8C
UniRef90_I2MTZ0
UniRef90_V9VT07
UniRef90_K4Z8M3
UniRef90_A3PQY7
UniRef90_UPI000262F5F6
UniRef90_X5QPE4
UniRef90_U4WXA8
UniRef90_UPI000367D0F3
UniRef90_K2JP54
UniRef90_K1I9H2
UniRef90_UPI00047ED37E
UniRef90_G6Y9K5
UniRef90_UPI000375FE4E
UniRef90_I3RKE8
UniRef90_UPI00035FF1DF
UniRef90_UPI0003620168
UniRef90_L5MWN1
UniRef90_D5UNC7
UniRef90_UPI000376056C
UniRef90_R9F2P8
UniRef90_UPI0003B689BE
UniRef90_S3ZH93
UniRef90_UPI00040073CF
UniRef90_L7UMD9
UniRef90_M0QGE7
UniRef90_S9T7Z9
UniRef90_UPI0003B3EDFB
UniRef90_I5C7H1
UniRef90_U1ZY83
UniRef90_F3HKM7
UniRef90_UPI00035FE567
UniRef90_UPI00047EF8EB
UniRef90_UPI000364A5E0
UniRef90_W7SI08
UniRef90_W6UBM2
UniRef90_UPI000348B0BB
UniRef90_UPI00047AE260
UniRef90_U5VNS0
UniRef90_G8TZB2
UniRef90_W5T7T5
UniRef90_F4CQK5
UniRef90_D8HTH5
UniRef90_F1YPL5
UniRef90_W7ZL98
UniRef90_K8Z0X0
UniRef90_G8S9F8
UniRef90_M4ZZ25
UniRef90_K9ADD8
UniRef90_U2YVD3
UniRef90_D7W645
UniRef90_UPI000363440F
UniRef90_V6KYH5
UniRef90_UPI0004799E33
UniRef90_UPI0002F2EC79
UniRef90_C4RJW6
UniRef90_K0JNP6
UniRef90_Q1IVS0
UniRef90_UPI00035DBBCB
UniRef90_A0A028V642
UniRef90_UPI00047C174F
UniRef90_K0EV76

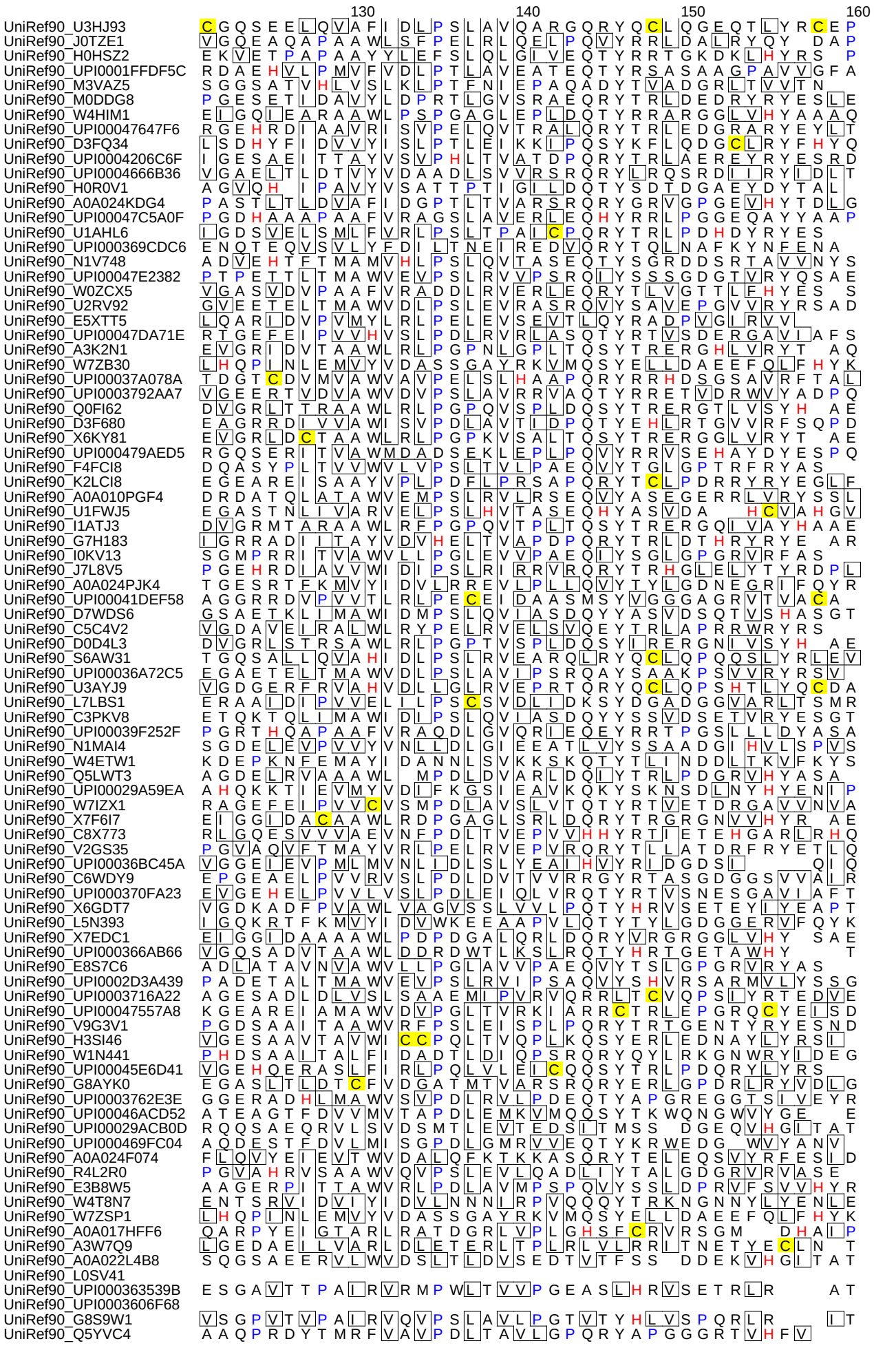

130
140
150
160
UniRef90_F8C6F6
UniRef90_UPI00037D203A
UniRef90_M0BED7
UniRef90_K0UQV1
UniRef90_A4JMR4
UniRef90_U5E3H8
UniRef90_A0A038GY33
UniRef90_UPI00047BAC23
UniRef90_V9XFX6
UniRef90_UPI000464B7DA
UniRef90_UPI0004186B41
UniRef90_UPI0004710A22
UniRef90_H1GX67
UniRef90_UPI00030BC6B8
UniRef90_UPI0002891BEB
UniRef90_UPI00047B5521
UniRef90_M5F5F9
UniRef90_UPI000367FB46
UniRef90_W8H3V1
UniRef90_F3YYS6
UniRef90_UPI00046F2658
UniRef90_UPI0002627D27
UniRef90_UPI000307FC8C
UniRef90_I2MTZ0
UniRef90_V9VT07
UniRef90_K4Z8M3
UniRef90_A3PQY7
UniRef90_UPI000262F5F6
UniRef90_X5QPE4
UniRef90_U4WXA8
UniRef90_UPI000367D0F3
UniRef90_K2JP54
UniRef90_K1I9H2
UniRef90_UPI00047ED37E
UniRef90_G6Y9K5
UniRef90_UPI000375FE4E
UniRef90_I3RKE8
UniRef90_UPI00035FF1DF
UniRef90_UPI0003620168
UniRef90_L5MWN1
UniRef90_D5UNC7
UniRef90_UPI000376056C
UniRef90_R9F2P8
UniRef90_UPI0003B689BE
UniRef90_S3ZH93
UniRef90_UPI00040073CF
UniRef90_L7UMD9
UniRef90_M0QGE7
UniRef90_S9T7Z9
UniRef90_UPI0003B3EDFB
UniRef90_I5C7H1
UniRef90_U1ZY83
UniRef90_F3HKM7
UniRef90_UPI00035FE567
UniRef90_UPI00047EF8EB
UniRef90_UPI000364A5E0
UniRef90_W7SI08
UniRef90_W6UBM2
UniRef90_UPI000348B0BB
UniRef90_UPI00047AE260
UniRef90_U5VNS0
UniRef90_G8TZB2
UniRef90_W5T7T5
UniRef90_F4CQK5
UniRef90_D8HTH5
UniRef90_F1YPL5
UniRef90_W7ZL98
UniRef90_D6ZC81
UniRef90_D2BDI3
UniRef90_UPI00035E8ED8
UniRef90_H0E269
UniRef90_UPI0003770BEA
UniRef90_UPI000376E014
UniRef90_UPI0004177A4F
UniRef90_UPI000463802E
UniRef90_K8Z0X0
UniRef90_G8S9F8
UniRef90_M4ZZ25
UniRef90_K9ADD8
UniRef90_U2YVD3
UniRef90_D7W645
UniRef90_UPI000363440F
UniRef90_V6KYH5
UniRef90_UPI0004799E33
UniRef90_UPI0002F2EC79
UniRef90_C4RJW6
UniRef90_K0JNP6
UniRef90_Q1IVS0
UniRef90_UPI00035DBBCB
UniRef90_A0A028V642
UniRef90_UPI00047C174F
UniRef90_K0EV76

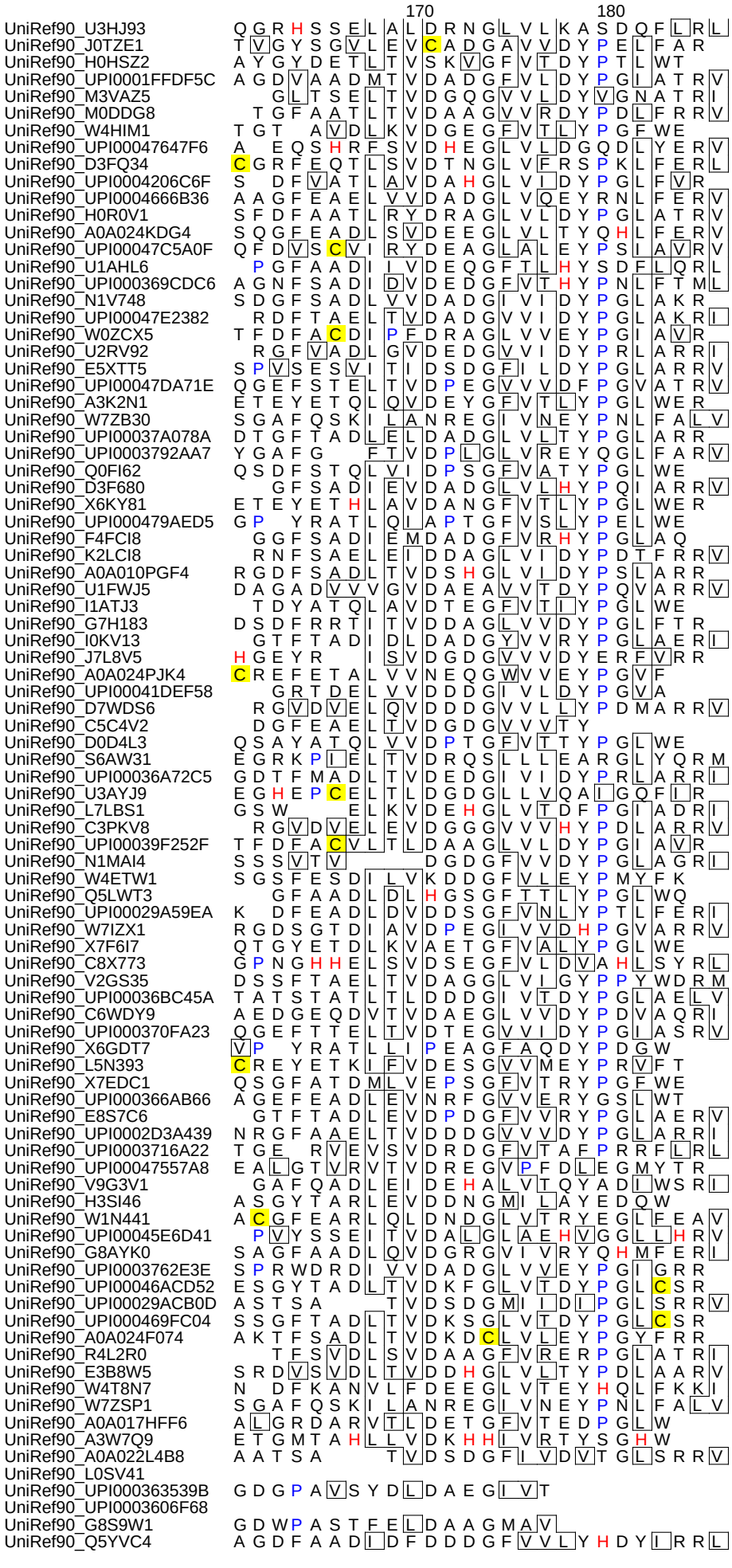

170
180
UniRef90_F8C6F6 G G R F V A E V D V D A D G V V T H Y P P G W E R V
UniRef90_UPI00037D203A R G F A G E L L V D A E G L V R V Y E G T F T R V
UniRef90_M0BED7 S S G F S A N I P V D A D G L V I D Y P G A F D R V
UniRef90_K0UQV1 S P V A Q T T V T V D S N G F I L D Y P G L A E R I
UniRef90_A4JMR4 G A Y A A D I A V D D A G L V I D Y D E W R R I
UniRef90_U5E3H8 A P A F D A T L D Y D P S G L I V D Y P G L A T R
UniRef90_A0A038GY33 T G F T A D I T V D E S G L V L D Y P G L Y K R V
UniRef90_UPI00047BAC23 A S D F R R E L E I D A D G L V V T Y P D F W Q R
UniRef90_V9XFX6 S P R S S S S V T V D E D G F V L E Y R G L A S R I
UniRef90_UPI000464B7DA G D F R S D L T F D E D G C V V D Y P H L A R R V
UniRef90_UPI0004186B41 V F G Y D A V L G V S A S G F V L D Y P G L W T S V
UniRef90_UPI0004710A22 S G N F K E N I T V D S N G I V L D Y P N L F Y R
UniRef90_H1GX67 W S D F E S T I E V G A D G L V T N Y P K L F N R L
UniRef90_UPI00030BC6B8 S S G F T S E I Y V D D S G I V I E Y P E L Y K R I
UniRef90_UPI0002891BEB G T D F E S E I I V D R N G F V L E Y P K L Y Q R I
UniRef90_UPI00047B5521 G D F T A D I T V D G D G V V T D Y P G L F R R L
UniRef90_M5F5F9 L Y D Y N E V L E V S S L G F V V D Y P G L W K
UniRef90_UPI000367FB46 A Y G F S S R I V S D E S G L P L E Y P G I A V R
UniRef90_W8H3V1 S S S V T V D R D G F I I D Y P G L A E R I
UniRef90_F3YYS6 R F G Y A A S L D V L P V G F I L R Y P G L W E
UniRef90_UPI00046F2658 R P F A A D L D V D D D G L V L R Y E G L F T R V
UniRef90_UPI0002627D27 E F D F T C R L T Y D R H G L I L D Y P G I A V R V
UniRef90_UPI000307FC8C S R D F E T R I S V D E K G L V I D Y P K L F T R
UniRef90_I2MTZ0 A G D F R R D I E I G A D G F V V D Y P D L A
UniRef90_V9VT07 R A F T A E L E I D E A G L V L D Y P D T F R R V
UniRef90_K4Z8M3 S G Y T A Q L N V D Q H G V V I D Y A D Q W K
UniRef90_A3PQY7 H G Y R A T L L V D G F G A V V R Y P G L W
UniRef90_UPI000262F5F6 G D F R S D L E F D E E G Y V V E Y P S L A T R L
UniRef90_X5QPE4 M F G Y H E T L E V S P L G F V L D Y P R L W R
UniRef90_U4WXA8 S G S F I E N I K V D T D G I V T E Y P Q L F L R
UniRef90_UPI000367D0F3 S P L G A S T L S V D E H G F V R D Y Q G L A D R L
UniRef90_K2JP54 A T G F T A E L S I D D N G M V K D Y G E L W K
UniRef90_K1I9H2 W S D F E A T I T V D Q D G L V V E Y P G L F K
UniRef90_UPI00047ED37E S N T F E S T I E V D E M G I V T K Y P G L F T R L
UniRef90_G6Y9K5 V S G F S R E V E I D G E G L V V T Y P D F W Q R I
UniRef90_UPI000375FE4E A G Y A N V L E V D D Y G A I T R Y P Q L W
UniRef90_I3RKE8 S T G Y Q A Q L E V D G S G V I I S Y D E L W H R V
UniRef90_UPI00035FF1DF D G T F R A E I E T E P S G V V T Q Y P G F F R R V
UniRef90_UPI0003620168 V F D F S C V L N Y D E H L L V T D Y P G I A V R L
UniRef90_L5MWN1 A G A F V Q N I T V D A N G L V L L Y P E L F V R
UniRef90_D5UNC7 S P V S S S K L S V D E D G F V V D Y P G L A R R V
UniRef90_UPI000376056C S G Y S N E I T V D R S G L V T L S P
UniRef90_R9F2P8 Y G T F D L T V D R N G I V V D Y E H L V R R I
UniRef90_UPI0003B689BE R S F K A E L E L D R F G L V M D Y P D T F R R M
UniRef90_S3ZH93 S G D F Q R D V T F D G D G F V V D Y P G L A H R L
UniRef90_UPI00040073CF S G Y K A E L T V D D D G I V Q T Y G S E W E
UniRef90_L7UMD9 G G S F V A E V E T D A L G L V T R Y P P A W E R V
UniRef90_M0QGE7 S P V A N S T I T I D D N G F V V D Y T D L A H R V
UniRef90_S9T7Z9 S G Y M A H L Q V D A N G V A M N Y E D Q W R
UniRef90_UPI0003B3EDFB H G G F S A D L Q L D R D G L V R R Y P G L A A R V
UniRef90_I5C7H1 S S G F E A D L T V D D L G L V I S Y E H L F Q R I
UniRef90_U1ZY83 E G K P S C E L T V D D Q A L L L K A S E Q Y L R M
UniRef90_F3HKM7 R G F T A N L E V D E H S L V L D Y P E T F R R V
UniRef90_UPI00035FE567 S G N F E T N I E V D A D G F V L R Y P G I F T R V
UniRef90_UPI00047EF8EB N G G F T A E L T V D D D G V V I D Y P G L A K R I
UniRef90_UPI000364A5E0 G S F S A E L T V D E Q G F V R H Y P G L A E
UniRef90_W7SI08 R G D A S V E L S V D P N G L V V E Y P G L A R R V
UniRef90_W6UBM2 K S F I S E I N I D E Q G L V T D Y P K L F K
UniRef90_UPI000348B0BB R G E Y R L S V D S E G L V V D Y E R F A R R V
UniRef90_UPI00047AE260 N H G F T A E L E I D R E G I V L E Y P G L A T R I
UniRef90_U5VNS0 T F S A D L S V D A D G F V I D Y P G L A K R V
UniRef90_G8TZB2 A S G F Q A M L Q V D E Y G I V R K Y D D L W E S L
UniRef90_W5T7T5 S P V S S A T V T V D D D G F V L D Y P G L A Q R
UniRef90_F4CQK5 S G E F S A D L T V D A D G I V D H Y P G L A R R V
UniRef90_D8HTH5 A F G F A C V L E Y D D T G L I T R Y P G I A V R
UniRef90_F1YPL5 G P N G S R E L E V D D A G I V R D Y G G I A T L I
UniRef90_W7ZL98 S G S F T T I F T V D S F G F I T N Y P G F F K Q L
UniRef90_D6ZC81 E S V V V I D S D G F I L D Y P G L S R R V
UniRef90_D2BDI3 G F S A D L T F D D D G I V T D Y P G L A K L I
UniRef90_UPI00035E8ED8 G D F R S D L L V D H E G L V L D Y P Q L A T R I
UniRef90_H0E269 S H G F T A D L R L D R H G L V V E Y P Q L A R R V
UniRef90_UPI0003770BEA H D Y R A T L V T D Q F G V V I E Y P G L W T A I
UniRef90_UPI000376E014 T F S A E L T V D D E G F V V D Y P G L A R R V
UniRef90_UPI0004177A4F S S D F H R V L T V D M K G L V R E Y P G I F V R
UniRef90_UPI000463802E E F G V A C R L T Y D Q F G L I L N Y P G L A T R I
UniRef90_K8Z0X0 R F G Y A A T L C A T G E G F V R D Y P G L W T
UniRef90_G8S9F8 T F S A D L T V D D D G F V T D Y P G L A R R V
UniRef90_M4ZZ25 S G F S T E I A V D E Y G L V H D Y P E E F R R V
UniRef90_K9ADD8 R D F T A E L T L D E D G I V I D Y P Q L A E R
UniRef90_U2YVD3 D R E F R R T L T V D A D G F V L S Y P G L F E R V
UniRef90_D7W645 T D F K A E I S V D E N G L V I N Y P E L F E K I
UniRef90_UPI000363440F S D G F C A D I L F D R D G L V L D Y P S I A R R
UniRef90_V6KYH5 S G T F R S D V T F D R D G F V V D Y P Q L A R R V
UniRef90_UPI0004799E33 G F V A D L A L D P D G L V R T Y P G L A A R V
UniRef90_UPI0002F2EC79 N S G Y Q A D L V L S P L G I I T Q Y G N L W T R I
UniRef90_C4RJW6 G T F T A D L D V D P D G W V I H Y P G L A D R V
UniRef90_K0JNP6 S G D F Q Q D I T V D K T G L V L D Y P Q I A H R I
UniRef90_Q1IVS0 T G F I Q E I T V D E H A L V E G Y P R F A E R V
UniRef90_UPI00035DBBCB S D F R R S I T V D G D G L V I E Y P G L F I R
UniRef90_A0A028V642 E G R A H E E L S V D D Q A L L L K A D E Q Y L R L
UniRef90_UPI00047C174F S G D F T A D L Q V D A D G F V V D Y P E L A R L V
UniRef90_K0EV76 S G T Y T Q D L L V D R D A V V V T Y P T M A Q R I

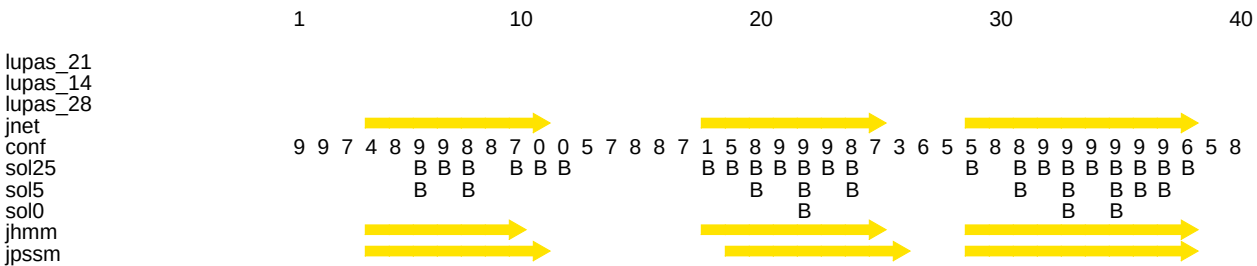

1
10
20
30
40
UniRef90_U3HJ93
UniRef90_J0TZE1
UniRef90_H0HSZ2
UniRef90_UPI0001FFDF5C
UniRef90_M3VAZ5
UniRef90_M0DDG8
UniRef90_W4HIM1
UniRef90_UPI00047647F6
UniRef90_D3FQ34
UniRef90_UPI0004206C6F
UniRef90_UPI0004666B36
UniRef90_H0R0V1
UniRef90_A0A024KDG4
UniRef90_UPI00047C5A0F
UniRef90_U1AHL6
UniRef90_UPI000369CDC6
UniRef90_N1V748
UniRef90_UPI00047E2382
UniRef90_W0ZCX5
UniRef90_U2RV92
UniRef90_E5XTT5
UniRef90_UPI00047DA71E
UniRef90_A3K2N1
UniRef90_W7ZB30
UniRef90_UPI00037A078A
UniRef90_UPI0003792AA7
UniRef90_Q0FI62
UniRef90_D3F680
UniRef90_X6KY81
UniRef90_UPI000479AED5
UniRef90_F4FCI8
UniRef90_K2LCI8
UniRef90_A0A010PGF4
UniRef90_U1FWJ5
UniRef90_I1ATJ3
UniRef90_G7H183
UniRef90_I0KV13
UniRef90_J7L8V5
UniRef90_A0A024PJK4
UniRef90_UPI00041DEF58
UniRef90_D7WDS6
UniRef90_C5C4V2
UniRef90_D0D4L3
UniRef90_S6AW31
UniRef90_UPI00036A72C5
UniRef90_U3AYJ9
UniRef90_L7LBS1
UniRef90_C3PKV8
UniRef90_UPI00039F252F
UniRef90_N1MAI4
UniRef90_W4ETW1
UniRef90_Q5LWT3
UniRef90_UPI00029A59EA
UniRef90_W7IZX1
UniRef90_X7F6I7
UniRef90_C8X773
UniRef90_V2GS35
UniRef90_UPI00036BC45A
UniRef90_C6WDY9
UniRef90_UPI000370FA23
UniRef90_X6GDT7
UniRef90_L5N393
UniRef90_X7EDC1
UniRef90_UPI000366AB66
UniRef90_E8S7C6
UniRef90_UPI0002D3A439
UniRef90_UPI0003716A22
UniRef90_UPI00047557A8
UniRef90_V9G3V1
UniRef90_H3SI46
UniRef90_W1N441
UniRef90_UPI00045E6D41
UniRef90_G8AYK0
UniRef90_UPI0003762E3E
UniRef90_UPI00046ACD52
UniRef90_UPI00029ACB0D
UniRef90_UPI000469FC04
UniRef90_A0A024F074
UniRef90_R4L2R0
UniRef90_E3B8W5
UniRef90_W4T8N7
UniRef90_W7ZSP1
UniRef90_A0A017HFF6
UniRef90_A3W7Q9
UniRef90_A0A022L4B8
UniRef90_L0SV41
UniRef90_UPI000363539B
UniRef90_UPI0003606F68
UniRef90_G8S9W1
UniRef90_Q5YVC4

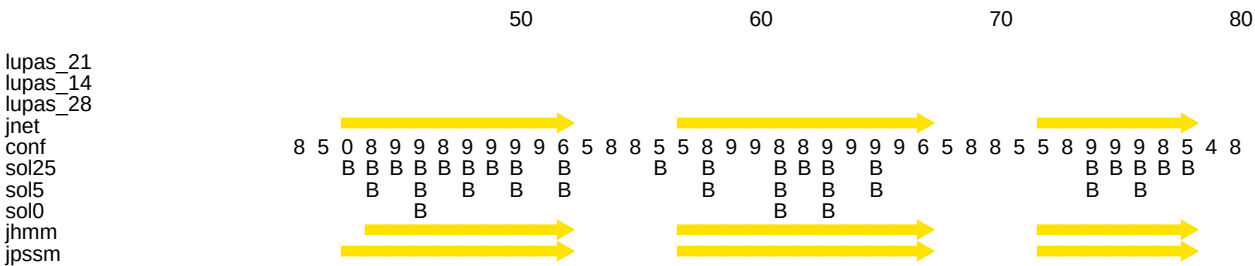

50
60
70
80
UniRef90_U3HJ93
UniRef90_J0TZE1
UniRef90_H0HSZ2
UniRef90_UPI0001FFDF5C
UniRef90_M3VAZ5
UniRef90_M0DDG8
UniRef90_W4HIM1
UniRef90_UPI00047647F6
UniRef90_D3FQ34
UniRef90_UPI0004206C6F
UniRef90_UPI0004666B36
UniRef90_H0R0V1
UniRef90_A0A024KDG4
UniRef90_UPI00047C5A0F
UniRef90_U1AHL6
UniRef90_UPI000369CDC6
UniRef90_N1V748
UniRef90_UPI00047E2382
UniRef90_W0ZCX5
UniRef90_U2RV92
UniRef90_E5XTT5
UniRef90_UPI00047DA71E
UniRef90_A3K2N1
UniRef90_W7ZB30
UniRef90_UPI00037A078A
UniRef90_UPI0003792AA7
UniRef90_Q0FI62
UniRef90_D3F680
UniRef90_X6KY81
UniRef90_UPI000479AED5
UniRef90_F4FCI8
UniRef90_K2LCI8
UniRef90_A0A010PGF4
UniRef90_U1FWJ5
UniRef90_I1ATJ3
UniRef90_G7H183
UniRef90_I0KV13
UniRef90_J7L8V5
UniRef90_A0A024PJK4
UniRef90_UPI00041DEF58
UniRef90_D7WDS6
UniRef90_C5C4V2
UniRef90_D0D4L3
UniRef90_S6AW31
UniRef90_UPI00036A72C5
UniRef90_U3AYJ9
UniRef90_L7LBS1
UniRef90_C3PKV8
UniRef90_UPI00039F252F
UniRef90_N1MAI4
UniRef90_W4ETW1
UniRef90_Q5LWT3
UniRef90_UPI00029A59EA
UniRef90_W7IZX1
UniRef90_X7F6I7
UniRef90_C8X773
UniRef90_V2GS35
UniRef90_UPI00036BC45A
UniRef90_C6WDY9
UniRef90_UPI000370FA23
UniRef90_X6GDT7
UniRef90_L5N393
UniRef90_X7EDC1
UniRef90_UPI000366AB66
UniRef90_E8S7C6
UniRef90_UPI0002D3A439
UniRef90_UPI0003716A22
UniRef90_UPI00047557A8
UniRef90_V9G3V1
UniRef90_H3SI46
UniRef90_W1N441
UniRef90_UPI00045E6D41
UniRef90_G8AYK0
UniRef90_UPI0003762E3E
UniRef90_UPI00046ACD52
UniRef90_UPI00029ACB0D
UniRef90_UPI000469FC04
UniRef90_A0A024F074
UniRef90_R4L2R0
UniRef90_E3B8W5
UniRef90_W4T8N7
UniRef90_W7ZSP1
UniRef90_A0A017HFF6
UniRef90_A3W7Q9
UniRef90_A0A022L4B8
UniRef90_L0SV41
UniRef90_UPI000363539B
UniRef90_UPI0003606F68
UniRef90_G8S9W1
UniRef90_Q5YVC4

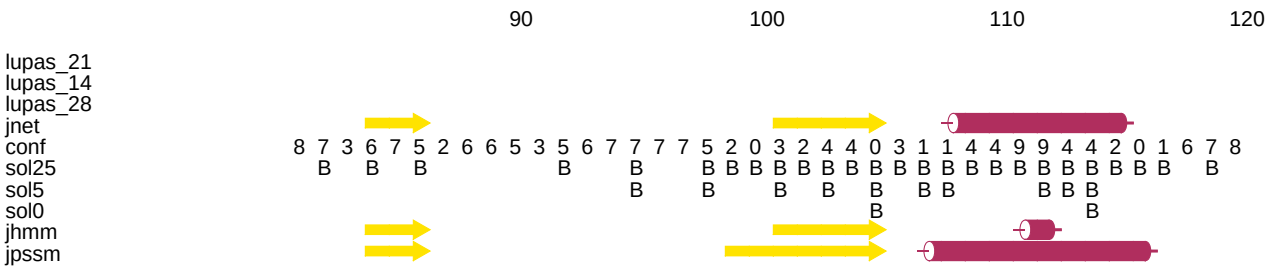

90
100
110
120
UniRef90_U3HJ93
UniRef90_J0TZE1
UniRef90_H0HSZ2
UniRef90_UPI0001FFDF5C
UniRef90_M3VAZ5
UniRef90_M0DDG8
UniRef90_W4HIM1
UniRef90_UPI00047647F6
UniRef90_D3FQ34
UniRef90_UPI0004206C6F
UniRef90_UPI0004666B36
UniRef90_H0R0V1
UniRef90_A0A024KDG4
UniRef90_UPI00047C5A0F
UniRef90_U1AHL6
UniRef90_UPI000369CDC6
UniRef90_N1V748
UniRef90_UPI00047E2382
UniRef90_W0ZCX5
UniRef90_U2RV92
UniRef90_E5XTT5
UniRef90_UPI00047DA71E
UniRef90_A3K2N1
UniRef90_W7ZB30
UniRef90_UPI00037A078A
UniRef90_UPI0003792AA7
UniRef90_Q0FI62
UniRef90_D3F680
UniRef90_X6KY81
UniRef90_UPI000479AED5
UniRef90_F4FCI8
UniRef90_K2LCI8
UniRef90_A0A010PGF4
UniRef90_U1FWJ5
UniRef90_I1ATJ3
UniRef90_G7H183
UniRef90_I0KV13
UniRef90_J7L8V5
UniRef90_A0A024PJK4
UniRef90_UPI00041DEF58
UniRef90_D7WDS6
UniRef90_C5C4V2
UniRef90_D0D4L3
UniRef90_S6AW31
UniRef90_UPI00036A72C5
UniRef90_U3AYJ9
UniRef90_L7LBS1
UniRef90_C3PKV8
UniRef90_UPI00039F252F
UniRef90_N1MAI4
UniRef90_W4ETW1
UniRef90_Q5LWT3
UniRef90_UPI00029A59EA
UniRef90_W7IZX1
UniRef90_X7F6I7
UniRef90_C8X773
UniRef90_V2GS35
UniRef90_UPI00036BC45A
UniRef90_C6WDY9
UniRef90_UPI000370FA23
UniRef90_X6GDT7
UniRef90_L5N393
UniRef90_X7EDC1
UniRef90_UPI000366AB66
UniRef90_E8S7C6
UniRef90_UPI0002D3A439
UniRef90_UPI0003716A22
UniRef90_UPI00047557A8
UniRef90_V9G3V1
UniRef90_H3SI46
UniRef90_W1N441
UniRef90_UPI00045E6D41
UniRef90_G8AYK0
UniRef90_UPI0003762E3E
UniRef90_UPI00046ACD52
UniRef90_UPI00029ACB0D
UniRef90_UPI000469FC04
UniRef90_A0A024F074
UniRef90_R4L2R0
UniRef90_E3B8W5
UniRef90_W4T8N7
UniRef90_W7ZSP1
UniRef90_A0A017HFF6
UniRef90_A3W7Q9
UniRef90_A0A022L4B8
UniRef90_L0SV41
UniRef90_UPI000363539B
UniRef90_UPI0003606F68
UniRef90_G8S9W1
UniRef90_Q5YVC4

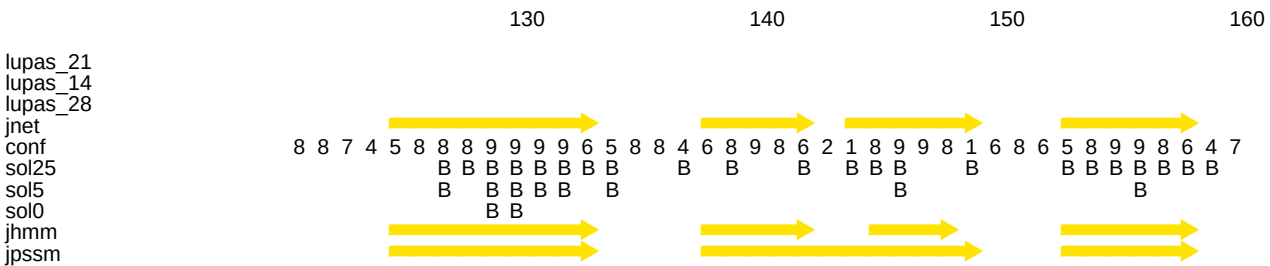

130
140
150
160
UniRef90_U3HJ93
UniRef90_J0TZE1
UniRef90_H0HSZ2
UniRef90_UPI0001FFDF5C
UniRef90_M3VAZ5
UniRef90_M0DDG8
UniRef90_W4HIM1
UniRef90_UPI00047647F6
UniRef90_D3FQ34
UniRef90_UPI0004206C6F
UniRef90_UPI0004666B36
UniRef90_H0R0V1
UniRef90_A0A024KDG4
UniRef90_UPI00047C5A0F
UniRef90_U1AHL6
UniRef90_UPI000369CDC6
UniRef90_N1V748
UniRef90_UPI00047E2382
UniRef90_W0ZCX5
UniRef90_U2RV92
UniRef90_E5XTT5
UniRef90_UPI00047DA71E
UniRef90_A3K2N1
UniRef90_W7ZB30
UniRef90_UPI00037A078A
UniRef90_UPI0003792AA7
UniRef90_Q0FI62
UniRef90_D3F680
UniRef90_X6KY81
UniRef90_UPI000479AED5
UniRef90_F4FCI8
UniRef90_K2LCI8
UniRef90_A0A010PGF4
UniRef90_U1FWJ5
UniRef90_I1ATJ3
UniRef90_G7H183
UniRef90_I0KV13
UniRef90_J7L8V5
UniRef90_A0A024PJK4
UniRef90_UPI00041DEF58
UniRef90_D7WDS6
UniRef90_C5C4V2
UniRef90_D0D4L3
UniRef90_S6AW31
UniRef90_UPI00036A72C5
UniRef90_U3AYJ9
UniRef90_L7LBS1
UniRef90_C3PKV8
UniRef90_UPI00039F252F
UniRef90_N1MAI4
UniRef90_W4ETW1
UniRef90_Q5LWT3
UniRef90_UPI00029A59EA
UniRef90_W7IZX1
UniRef90_X7F6I7
UniRef90_C8X773
UniRef90_V2GS35
UniRef90_UPI00036BC45A
UniRef90_C6WDY9
UniRef90_UPI000370FA23
UniRef90_X6GDT7
UniRef90_L5N393
UniRef90_X7EDC1
UniRef90_UPI000366AB66
UniRef90_E8S7C6
UniRef90_UPI0002D3A439
UniRef90_UPI0003716A22
UniRef90_UPI00047557A8
UniRef90_V9G3V1
UniRef90_H3SI46
UniRef90_W1N441
UniRef90_UPI00045E6D41
UniRef90_G8AYK0
UniRef90_UPI0003762E3E
UniRef90_UPI00046ACD52
UniRef90_UPI00029ACB0D
UniRef90_UPI000469FC04
UniRef90_A0A024F074
UniRef90_R4L2R0
UniRef90_E3B8W5
UniRef90_W4T8N7
UniRef90_W7ZSP1
UniRef90_A0A017HFF6
UniRef90_A3W7Q9
UniRef90_A0A022L4B8
UniRef90_L0SV41
UniRef90_UPI000363539B
UniRef90_UPI0003606F68
UniRef90_G8S9W1
UniRef90_Q5YVC4

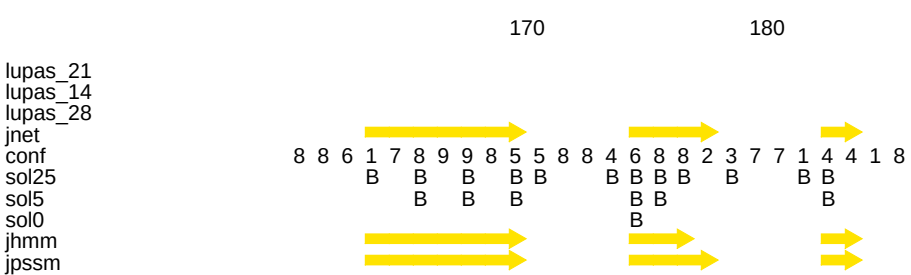

170
180
UniRef90_U3HJ93
UniRef90_J0TZE1
UniRef90_H0HSZ2
UniRef90_UPI0001FFDF5C
UniRef90_M3VAZ5
UniRef90_M0DDG8
UniRef90_W4HIM1
UniRef90_UPI00047647F6
UniRef90_D3FQ34
UniRef90_UPI0004206C6F
UniRef90_UPI0004666B36
UniRef90_H0R0V1
UniRef90_A0A024KDG4
UniRef90_UPI00047C5A0F
UniRef90_U1AHL6
UniRef90_UPI000369CDC6
UniRef90_N1V748
UniRef90_UPI00047E2382
UniRef90_W0ZCX5
UniRef90_U2RV92
UniRef90_E5XTT5
UniRef90_UPI00047DA71E
UniRef90_A3K2N1
UniRef90_W7ZB30
UniRef90_UPI00037A078A
UniRef90_UPI0003792AA7
UniRef90_Q0FI62
UniRef90_D3F680
UniRef90_X6KY81
UniRef90_UPI000479AED5
UniRef90_F4FCI8
UniRef90_K2LCI8
UniRef90_A0A010PGF4
UniRef90_U1FWJ5
UniRef90_I1ATJ3
UniRef90_G7H183
UniRef90_I0KV13
UniRef90_J7L8V5
UniRef90_A0A024PJK4
UniRef90_UPI00041DEF58
UniRef90_D7WDS6
UniRef90_C5C4V2
UniRef90_D0D4L3
UniRef90_S6AW31
UniRef90_UPI00036A72C5
UniRef90_U3AYJ9
UniRef90_L7LBS1
UniRef90_C3PKV8
UniRef90_UPI00039F252F
UniRef90_N1MAI4
UniRef90_W4ETW1
UniRef90_Q5LWT3
UniRef90_UPI00029A59EA
UniRef90_W7IZX1
UniRef90_X7F6I7
UniRef90_C8X773
UniRef90_V2GS35
UniRef90_UPI00036BC45A
UniRef90_C6WDY9
UniRef90_UPI000370FA23
UniRef90_X6GDT7
UniRef90_L5N393
UniRef90_X7EDC1
UniRef90_UPI000366AB66
UniRef90_E8S7C6
UniRef90_UPI0002D3A439
UniRef90_UPI0003716A22
UniRef90_UPI00047557A8
UniRef90_V9G3V1
UniRef90_H3SI46
UniRef90_W1N441
UniRef90_UPI00045E6D41
UniRef90_G8AYK0
UniRef90_UPI0003762E3E
UniRef90_UPI00046ACD52
UniRef90_UPI00029ACB0D
UniRef90_UPI000469FC04
UniRef90_A0A024F074
UniRef90_R4L2R0
UniRef90_E3B8W5
UniRef90_W4T8N7
UniRef90_W7ZSP1
UniRef90_A0A017HFF6
UniRef90_A3W7Q9
UniRef90_A0A022L4B8
UniRef90_L0SV41
UniRef90_UPI000363539B
UniRef90_UPI0003606F68
UniRef90_G8S9W1
UniRef90_Q5YVC4


1
10
20
30
40
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm
9 9 7 4 8 9 9 8 8 7 0 0 5 7 8 8 7 1 5 8 8 9 9 9 8 7 3 6 5 5 8 8 9 9 9 9 9 6 5 8
B B B


50
60
70
80
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


90
100
110
120
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm
8 7 3 6 7 5 2 6 6 5 3 5 6 7 7 7 7 5 2 0 3 2 4 4 0 3 1 1 4 4 9 9 4 4 2 0 1 6 7 8
B B B


130
140
150
160
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm
8 8 7 4 5 8 8 8 9 9 9 9 6 5 8 8 4 6 8 9 8 6 2 1 8 9 9 8 1 6 8 6 5 8 9 9 8 6 4 7
B B B


170
180
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm
8 8 6 1 7 8 9 9 8 5 5 8 8 4 6 8 8 2 3 7 7 1 4 4 1 8
B B B B B B B B B B B B B B B B B B B B