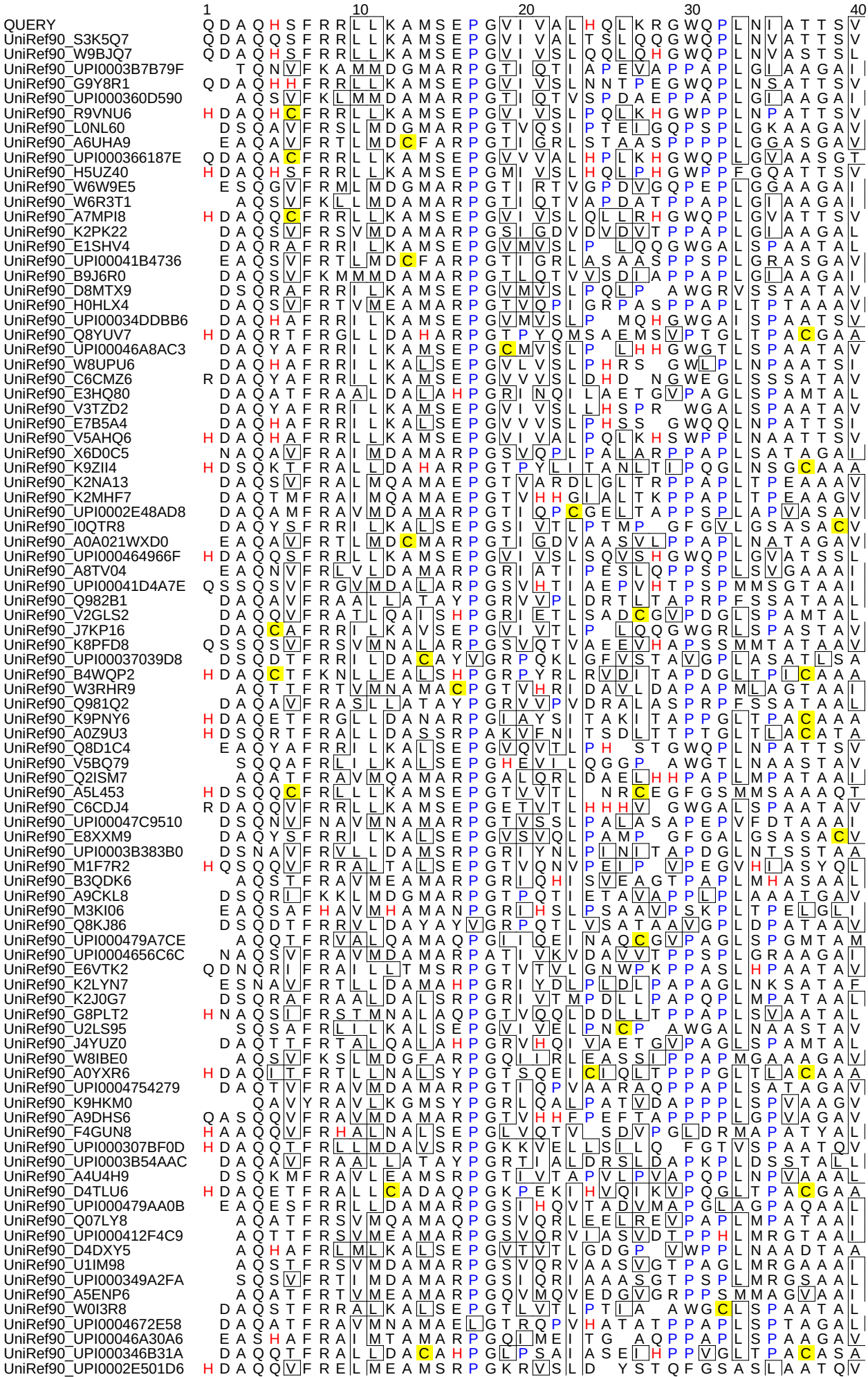
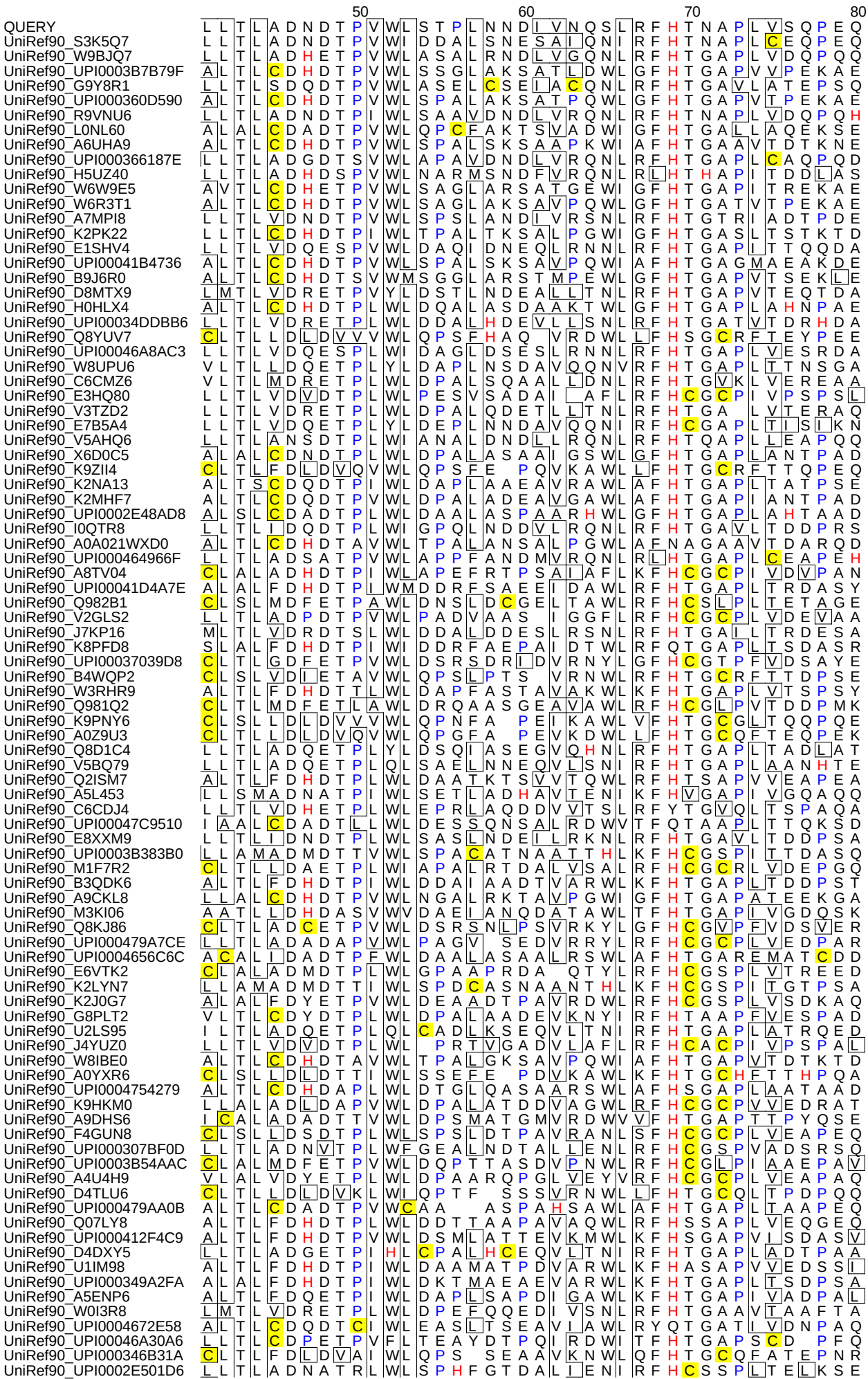
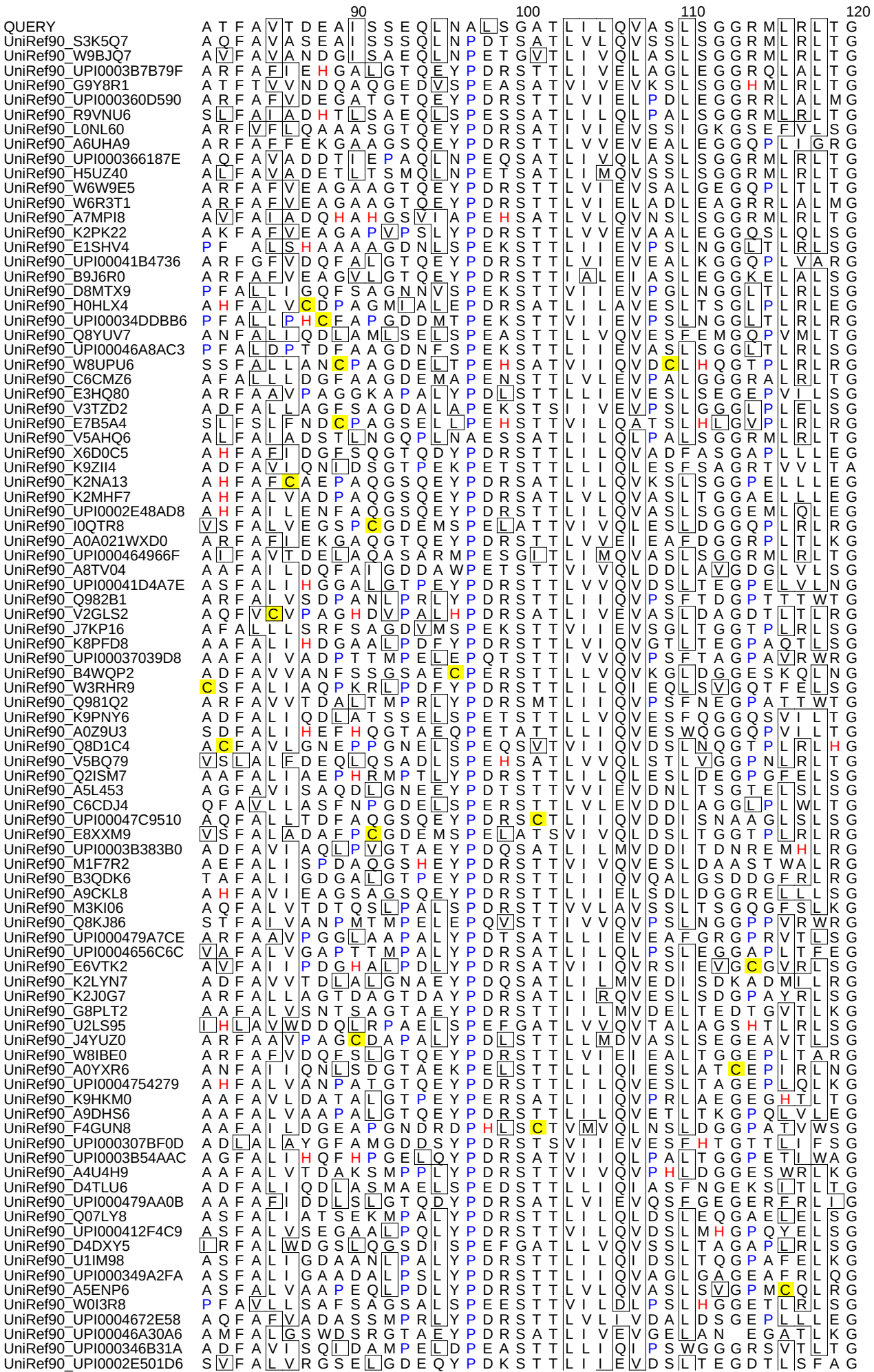
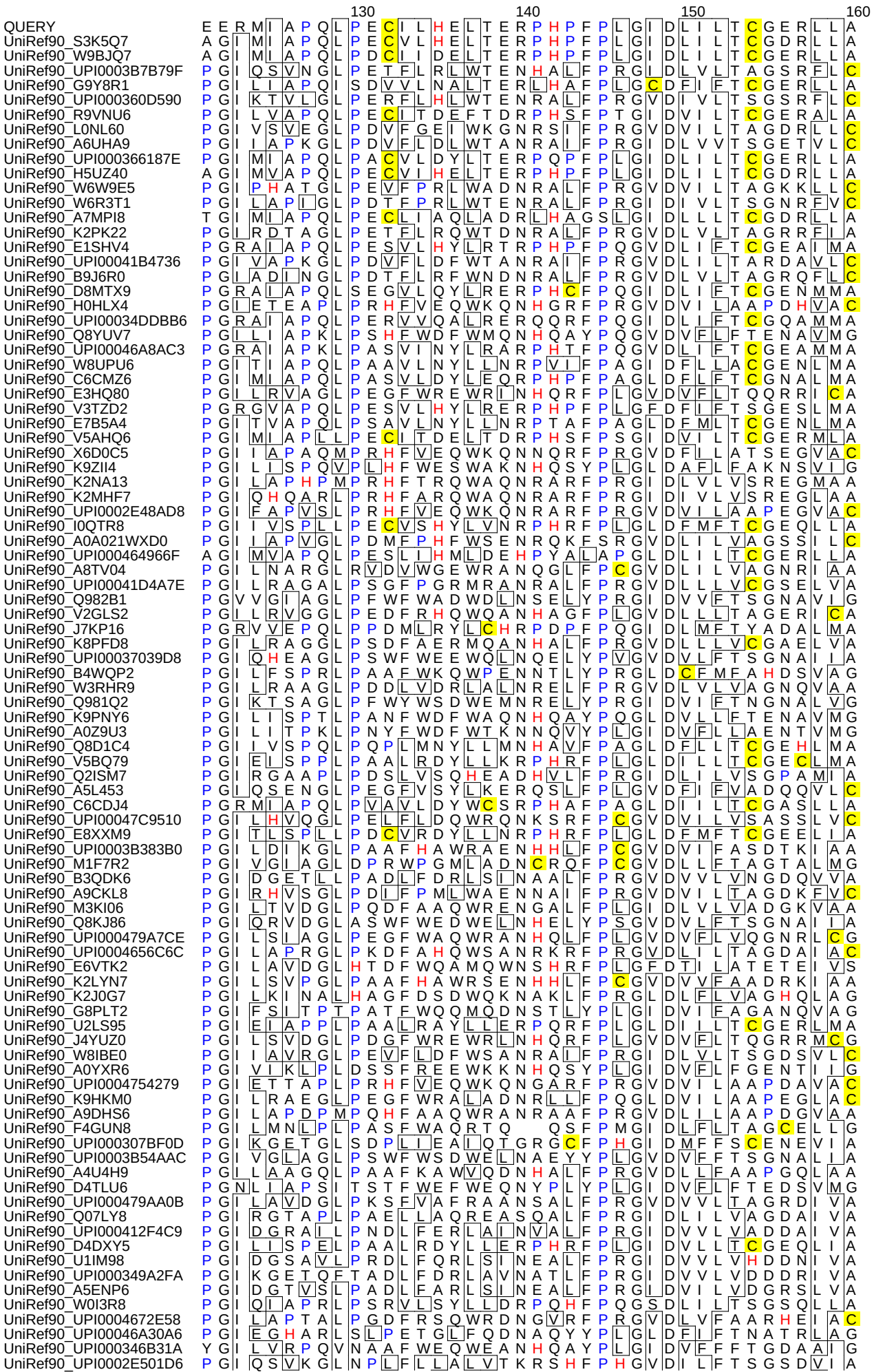
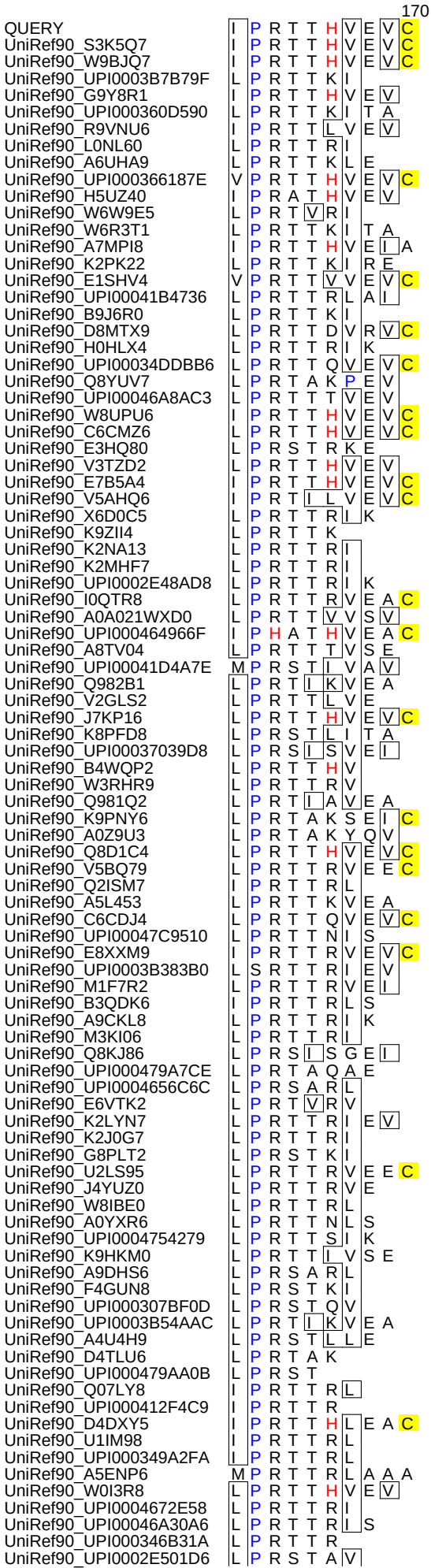
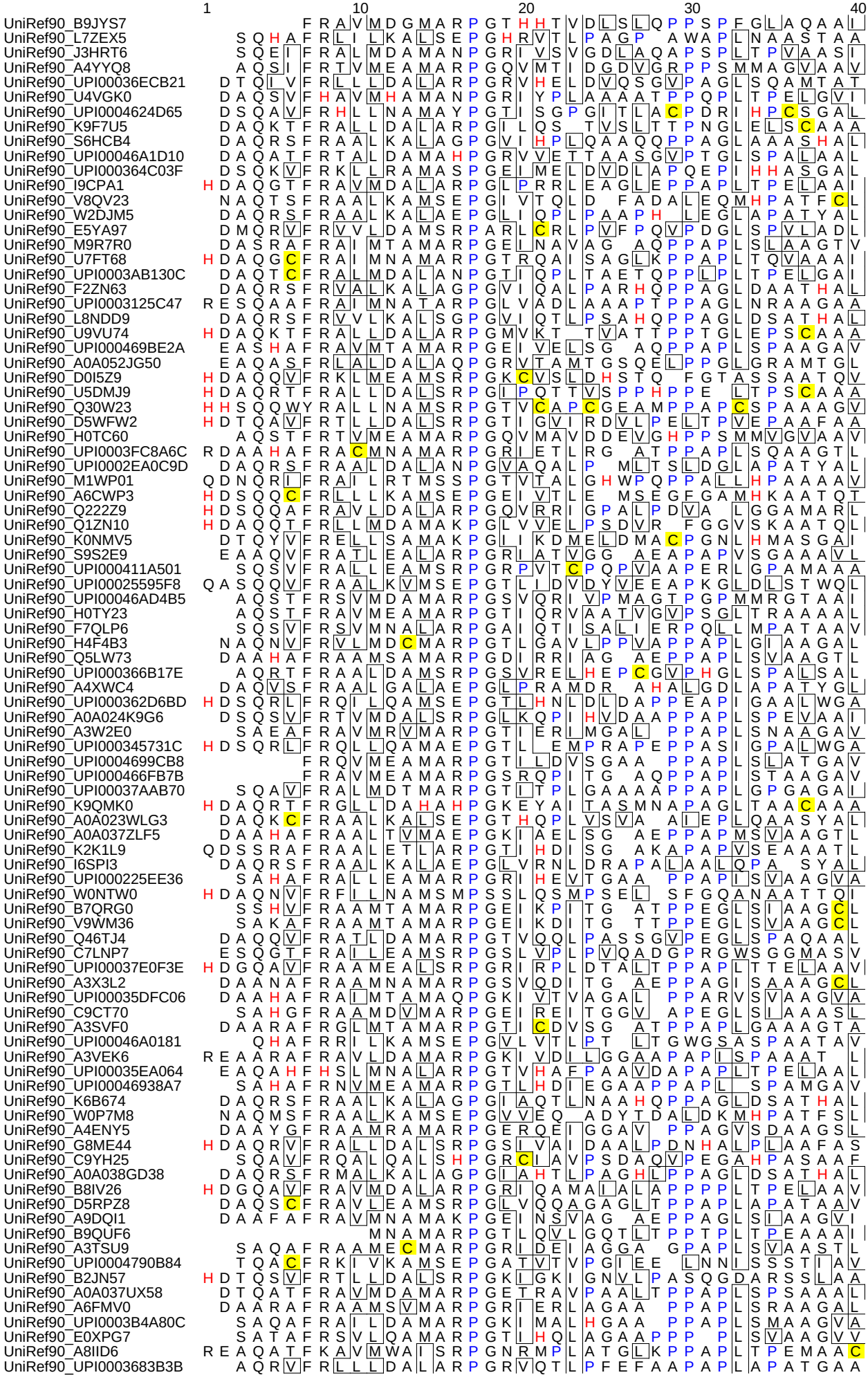

1
10
20
30
40
QUERY
UniRef90_S3K5Q7
UniRef90_W9BJQ7
UniRef90_UPI0003B7B79F
UniRef90_G9Y8R1
UniRef90_UPI000360D590
UniRef90_R9VNU6
UniRef90_L0NL60
UniRef90_A6UHA9
UniRef90_UPI000366187E
UniRef90_H5UZ40
UniRef90_W6W9E5
UniRef90_W6R3T1
UniRef90_A7MPI8
UniRef90_K2PK22
UniRef90_E1SHV4
UniRef90_UPI00041B4736
UniRef90_B9J6R0
UniRef90_D8MTX9
UniRef90_H0HLX4
UniRef90_UPI00034DDBB6
UniRef90_Q8YUV7
UniRef90_UPI00046A8AC3
UniRef90_W8UPU6
UniRef90_C6CMZ6
UniRef90_E3HQ80
UniRef90_V3TZD2
UniRef90_E7B5A4
UniRef90_V5AHQ6
UniRef90_X6D0C5
UniRef90_K9ZII4
UniRef90_K2NA13
UniRef90_K2MHF7
UniRef90_UPI0002E48AD8
UniRef90_I0QTR8
UniRef90_A0A021WXD0
UniRef90_UPI000464966F
UniRef90_A8TV04
UniRef90_UPI00041D4A7E
UniRef90_Q982B1
UniRef90_V2GLS2
UniRef90_J7KP16
UniRef90_K8PFD8
UniRef90_UPI00037039D8
UniRef90_B4WQP2
UniRef90_W3RHR9
UniRef90_Q981Q2
UniRef90_K9PNY6
UniRef90_A0Z9U3
UniRef90_Q8D1C4
UniRef90_V5BQ79
UniRef90_Q2ISM7
UniRef90_A5L453
UniRef90_C6CDJ4
UniRef90_UPI00047C9510
UniRef90_E8XXM9
UniRef90_UPI0003B383B0
UniRef90_M1F7R2
UniRef90_B3QDK6
UniRef90_A9CKL8
UniRef90_M3KI06
UniRef90_Q8KJ86
UniRef90_UPI000479A7CE
UniRef90_UPI0004656C6C
UniRef90_E6VTK2
UniRef90_K2LYN7
UniRef90_K2J0G7
UniRef90_G8PLT2
UniRef90_U2LS95
UniRef90_J4YUZ0
UniRef90_W8IBE0
UniRef90_A0YXR6
UniRef90_UPI0004754279
UniRef90_K9HKM0
UniRef90_A9DHS6
UniRef90_F4GUN8
UniRef90_UPI000307BF0D
UniRef90_UPI0003B54AAC
UniRef90_A4U4H9
UniRef90_D4TLU6
UniRef90_UPI000479AA0B
UniRef90_Q07LY8
UniRef90_UPI000412F4C9
UniRef90_D4DXY5
UniRef90_U1IM98
UniRef90_UPI000349A2FA
UniRef90_A5ENP6
UniRef90_W0I3R8
UniRef90_UPI0004672E58
UniRef90_UPI00046A30A6
UniRef90_UPI000346B31A
UniRef90_UPI0002E501D6

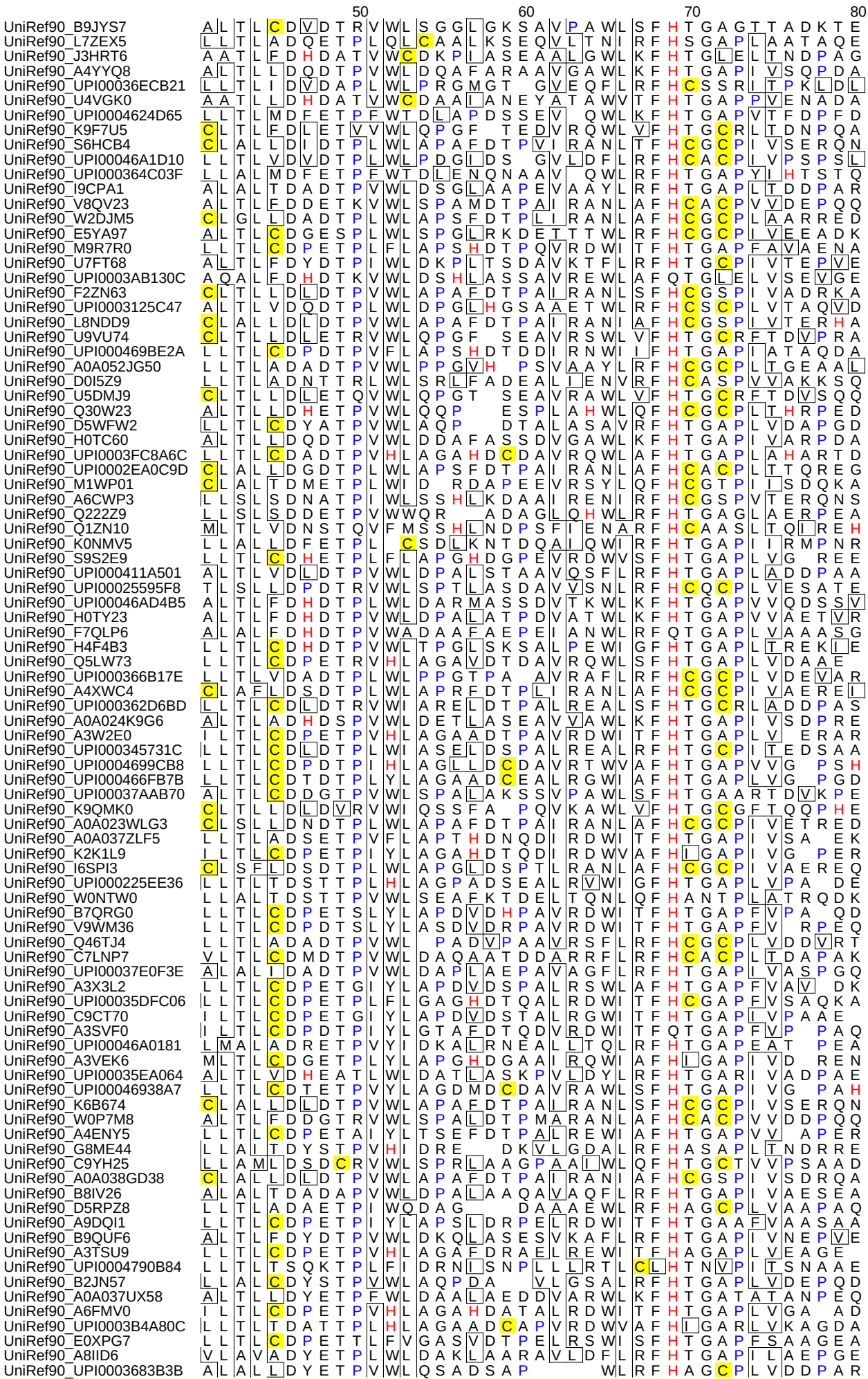

50
60
70
80
QUERY
UniRef90_S3K5Q7
UniRef90_W9BJQ7
UniRef90_UPI0003B7B79F
UniRef90_G9Y8R1
UniRef90_UPI000360D590
UniRef90_R9VNU6
UniRef90_L0NL60
UniRef90_A6UHA9
UniRef90_UPI000366187E
UniRef90_H5UZ40
UniRef90_W6W9E5
UniRef90_W6R3T1
UniRef90_A7MPI8
UniRef90_K2PK22
UniRef90_E1SHV4
UniRef90_UPI00041B4736
UniRef90_B9J6R0
UniRef90_D8MTX9
UniRef90_H0HLX4
UniRef90_UPI00034DDBB6
UniRef90_Q8YUV7
UniRef90_UPI00046A8AC3
UniRef90_W8UPU6
UniRef90_C6CMZ6
UniRef90_E3HQ80
UniRef90_V3TZD2
UniRef90_E7B5A4
UniRef90_V5AHQ6
UniRef90_X6D0C5
UniRef90_K9ZII4
UniRef90_K2NA13
UniRef90_K2MHF7
UniRef90_UPI0002E48AD8
UniRef90_I0QTR8
UniRef90_A0A021WXD0
UniRef90_UPI000464966F
UniRef90_A8TV04
UniRef90_UPI00041D4A7E
UniRef90_Q982B1
UniRef90_V2GLS2
UniRef90_J7KP16
UniRef90_K8PFD8
UniRef90_UPI00037039D8
UniRef90_B4WQP2
UniRef90_W3RHR9
UniRef90_Q981Q2
UniRef90_K9PNY6
UniRef90_A0Z9U3
UniRef90_Q8D1C4
UniRef90_V5BQ79
UniRef90_Q2ISM7
UniRef90_A5L453
UniRef90_C6CDJ4
UniRef90_UPI00047C9510
UniRef90_E8XXM9
UniRef90_UPI0003B383B0
UniRef90_M1F7R2
UniRef90_B3QDK6
UniRef90_A9CKL8
UniRef90_M3KI06
UniRef90_Q8KJ86
UniRef90_UPI000479A7CE
UniRef90_UPI0004656C6C
UniRef90_E6VTK2
UniRef90_K2LYN7
UniRef90_K2J0G7
UniRef90_G8PLT2
UniRef90_U2LS95
UniRef90_J4YUZ0
UniRef90_W8IBE0
UniRef90_A0YXR6
UniRef90_UPI0004754279
UniRef90_K9HKM0
UniRef90_A9DHS6
UniRef90_F4GUN8
UniRef90_UPI000307BF0D
UniRef90_UPI0003B54AAC
UniRef90_A4U4H9
UniRef90_D4TLU6
UniRef90_UPI000479AA0B
UniRef90_Q07LY8
UniRef90_UPI000412F4C9
UniRef90_D4DXY5
UniRef90_U1IM98
UniRef90_UPI000349A2FA
UniRef90_A5ENP6
UniRef90_W0I3R8
UniRef90_UPI0004672E58
UniRef90_UPI00046A30A6
UniRef90_UPI000346B31A
UniRef90_UPI0002E501D6

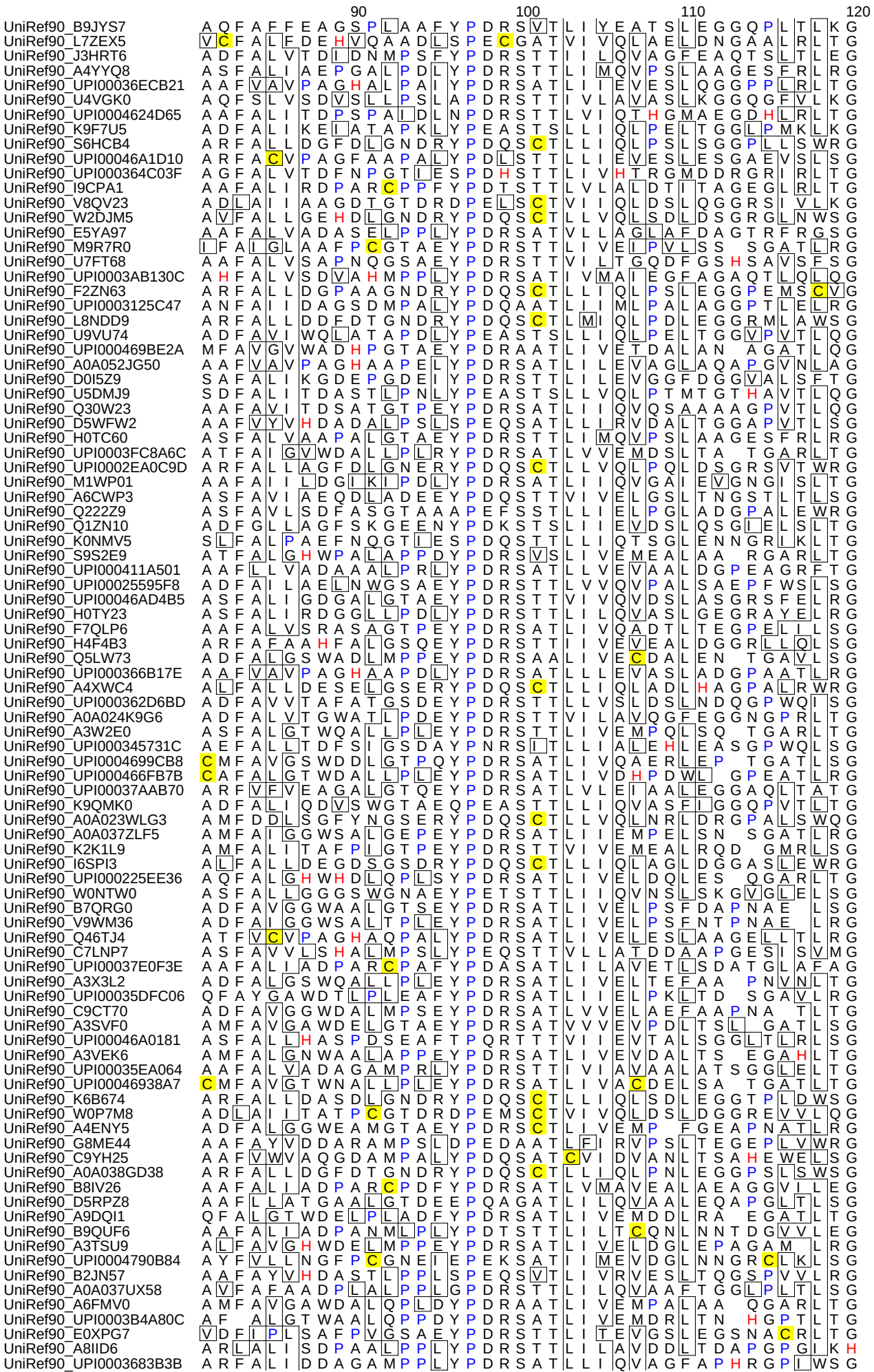

90
100
110
120
QUERY
UniRef90_S3K5Q7
UniRef90_W9BJQ7
UniRef90_UPI0003B7B79F
UniRef90_G9Y8R1
UniRef90_UPI000360D590
UniRef90_R9VNU6
UniRef90_L0NL60
UniRef90_A6UHA9
UniRef90_UPI000366187E
UniRef90_H5UZ40
UniRef90_W6W9E5
UniRef90_W6R3T1
UniRef90_A7MPI8
UniRef90_K2PK22
UniRef90_E1SHV4
UniRef90_UPI00041B4736
UniRef90_B9J6R0
UniRef90_D8MTX9
UniRef90_H0HLX4
UniRef90_UPI00034DDBB6
UniRef90_Q8YUV7
UniRef90_UPI00046A8AC3
UniRef90_W8UPU6
UniRef90_C6CMZ6
UniRef90_E3HQ80
UniRef90_V3TZD2
UniRef90_E7B5A4
UniRef90_V5AHQ6
UniRef90_X6D0C5
UniRef90_K9ZII4
UniRef90_K2NA13
UniRef90_K2MHF7
UniRef90_UPI0002E48AD8
UniRef90_I0QTR8
UniRef90_A0A021WXD0
UniRef90_UPI000464966F
UniRef90_A8TV04
UniRef90_UPI00041D4A7E
UniRef90_Q982B1
UniRef90_V2GLS2
UniRef90_J7KP16
UniRef90_K8PFD8
UniRef90_UPI00037039D8
UniRef90_B4WQP2
UniRef90_W3RHR9
UniRef90_Q981Q2
UniRef90_K9PNY6
UniRef90_A0Z9U3
UniRef90_Q8D1C4
UniRef90_V5BQ79
UniRef90_Q2ISM7
UniRef90_A5L453
UniRef90_C6CDJ4
UniRef90_UPI00047C9510
UniRef90_E8XXM9
UniRef90_UPI0003B383B0
UniRef90_M1F7R2
UniRef90_B3QDK6
UniRef90_A9CKL8
UniRef90_M3KI06
UniRef90_Q8KJ86
UniRef90_UPI000479A7CE
UniRef90_UPI0004656C6C
UniRef90_E6VTK2
UniRef90_K2LYN7
UniRef90_K2J0G7
UniRef90_G8PLT2
UniRef90_U2LS95
UniRef90_J4YUZ0
UniRef90_W8IBE0
UniRef90_A0YXR6
UniRef90_UPI0004754279
UniRef90_K9HKM0
UniRef90_A9DHS6
UniRef90_F4GUN8
UniRef90_UPI000307BF0D
UniRef90_UPI0003B54AAC
UniRef90_A4U4H9
UniRef90_D4TLU6
UniRef90_UPI000479AA0B
UniRef90_Q07LY8
UniRef90_UPI000412F4C9
UniRef90_D4DXY5
UniRef90_U1IM98
UniRef90_UPI000349A2FA
UniRef90_A5ENP6
UniRef90_W0I3R8
UniRef90_UPI0004672E58
UniRef90_UPI00046A30A6
UniRef90_UPI000346B31A
UniRef90_UPI0002E501D6

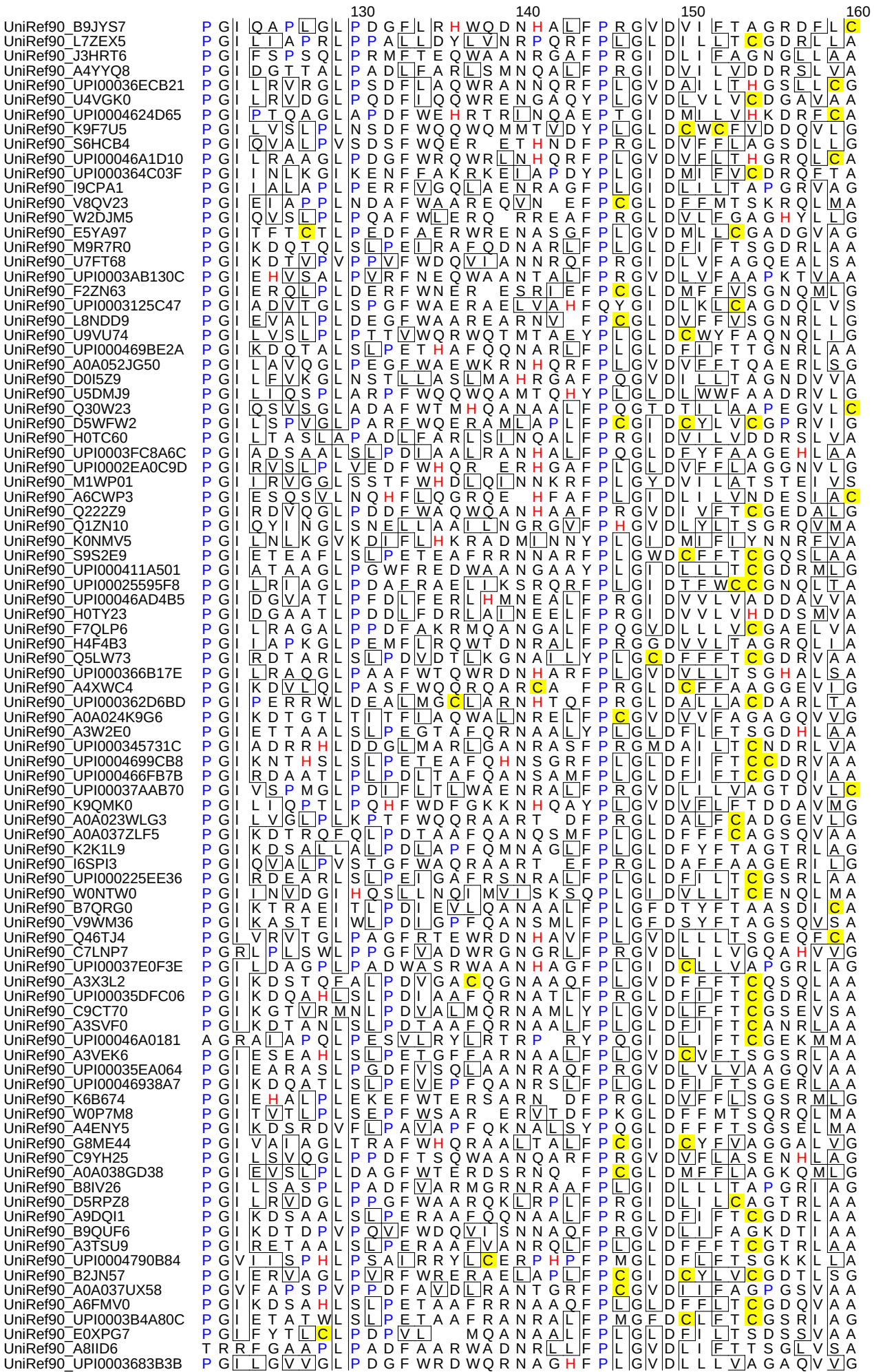

130
140
150
160
QUERY E E R M I A P Q L P E C I L H E L T E R P H P F P L G I D L I L T C G E R L L A
UniRef90_S3K5Q7 A G I M I A P Q L P E C V L H E L T E R P H P F P L G I D L I L T C G D R L L A
UniRef90_W9BJQ7 A G I M I A P Q L P D C I I D E L T E R P H P F P L G I D L I L T C G E R L L A
UniRef90_UPI0003B7B79F P G I Q S V N G L P E T F L R L W T E N H A L F P R G I D L V L T A G S R F L C
UniRef90_G9Y8R1 P G I L I A P Q I S D V V L N A L T E R L H A F P L G C D F I F T C G E R L L A
UniRef90_UPI000360D590 P G I K T V L G L P E R F L H L W T E N R A L F P R G V D I V L T S G S R F L C
UniRef90_R9VNU6 P G I L V A P Q L P E C I T D E F T D R P H S F P T G I D V I L T C G E R A L A
UniRef90_L0NL60 P G I V S V E G L P D V F G E I W K G N R S I F P R G V D V I L T A G D R L L C
UniRef90_A6UHA9 P G I I A P K G L P D V F L D L W T A N R A I F P R G I D L V V T S G E T V L C
UniRef90_UPI000366187E P G I M I A P Q L P A C V L D Y L T E R P Q P F P L G I D L I L T C G E R L L A
UniRef90_H5UZ40 A G I M V A P Q L P E C V I H E L T E R P H P F P L G I D L I L T C G D R L L A
UniRef90_W6W9E5 P G I P H A T G L P E V F P R L W A D N R A L F P R G V D V I L T A G K K L L C
UniRef90_W6R3T1 P G I L A P I G L P D T F P R L W T E N R A L F P R G I D I V L T S G N R F V C
UniRef90_A7MPI8 T G I M I A P Q L P E C L I A Q L A D R L H A G S L G I D L L L T C G D R L L A
UniRef90_K2PK22 P G I R D T A G L P E T F L R Q W T D N R A L F P R G V D L V L T A G R R F I A
UniRef90_E1SHV4 P G R A I A P Q L P E S V L H Y L R T R P H P F P Q G V D L I F T C G E A I M A
UniRef90_UPI00041B4736 P G I V A P K G L P D V F L D F W T A N R A I F P R G V D L I L T A R D A V L C
UniRef90_B9J6R0 P G I A D I N G L P D T F L R F W N D N R A L F P R G V D L V L T A G R Q F L C
UniRef90_D8MTX9 P G R A I A P Q L S E G V L Q Y L R E R P H C F P Q G I D L I F T C G E N M M A
UniRef90_H0HLX4 P G I E T E A P L P R H F V E Q W K Q N H G R F P R G V D V I L A A P D H V A C
UniRef90_UPI00034DDBB6 P G R A I A P Q L P E R V V Q A L R E R Q Q R F P Q G I D L I F T C G Q A M M A
UniRef90_Q8YUV7 P G I L I A P K L P S H F W D F W M Q N H Q A Y P Q G V D V F L F T E N A V M G
UniRef90_UPI00046A8AC3 P G R A I A P K L P A S V I N Y L R A R P H T F P Q G V D L I F T C G E A M M A
UniRef90_W8UPU6 P G I T I A P Q L P A A V L N Y L L N R P V I F P A G I D F L L A C G E N L M A
UniRef90_C6CMZ6 P G I M I A P Q L P A S V L D Y L E Q R P H P F P A G L D F L F T C G N A L M A
UniRef90_E3HQ80 P G I L R V A G L P E G F W R E W R I N H Q R F P L G V D V F L T Q Q R R I C A
UniRef90_V3TZD2 P G R G V A P Q L P E S V L H Y L R E R P H P F P L G F D F I F T S G E S L M A
UniRef90_E7B5A4 P G I T V A P Q L P S A V L N Y L L N R P T A F P A G L D F M L T C G E N L M A
UniRef90_V5AHQ6 P G I M I A P L L P E C I T D E L T D R P H S F P S G I D V I L T C G E R M L A
UniRef90_X6D0C5 P G I I A P A Q M P R H F V E Q W K Q N N Q R F P R G V D F I L A T S E G V A C
UniRef90_K9ZII4 P G I L I S P Q V P L H F W E S W A K N H Q S Y P L G L D A F L F A K N S V I G
UniRef90_K2NA13 P G I L A P H P M P R H F T R Q W A Q N R A R F P R G I D L V L V S R E G M A A
UniRef90_K2MHF7 P G I Q H Q A R L P R H F A R Q W A Q N R A R F P R G I D I V L V S R E G L A A
UniRef90_UPI0002E48AD8 P G I F A P V S L P R H F V E Q W K Q N R A R F P R G V D V I L A A P E G V A C
UniRef90_I0QTR8 P G I I V S P L L P E C V S H Y L V N R P H R F P L G L D F M F T C G E Q L L A
UniRef90_A0A021WXD0 P G I I A P V G L P D M F P H F W S E N R Q K F S R G V D L I L V A G S S I L C
UniRef90_UPI000464966F A G I M V A P Q L P E S L I H M L D E H P Y A L A P G L D L I L T C G E R L L A
UniRef90_A8TV04 P G I L N A R G L R V D V W G E W R A N Q G L F P C G V D L I L V A G N R I A A
UniRef90_UPI00041D4A7E P G I L R A G A L P S G F P G R M R A N R A L F P R G V D L L L V C G S E L V A
UniRef90_Q982B1 P G V V G I A G L P F W F W A D W D L N S E L Y P R G I D V V F T S G N A V I G
UniRef90_V2GLS2 P G I L R V G G L P E D F R H Q W Q A N H A G F P L G V D L L L T A G E R I C A
UniRef90_J7KP16 P G R V V E P Q L P P D M L R Y L C H R P D P F P Q G I D L M F T Y A D A L M A
UniRef90_K8PFD8 P G I L R A G G L P S D F A E R M Q A N H A L F P R G V D L L L V C G A E L V A
UniRef90_UPI00037039D8 P G I Q H E A G L P S W F W E E W Q L N Q E L Y P V G V D V L F T S G N A I I A
UniRef90_B4WQP2 P G I L F S P R L P A A F W K Q W P E N N T L Y P R G L D C F M F A H D S V A G
UniRef90_W3RHR9 P G I L R A A G L P D D L V D R L A L N R E L F P R G V D L V L V A G N Q V A A
UniRef90_Q981Q2 P G I K T S A G L P F W Y W S D W E M N R E L Y P R G I D V I F T N G N A L V G
UniRef90_K9PNY6 P G I L I S P T L P A N F W D F W A Q N H Q A Y P Q G L D V L L F T E N A V M G
UniRef90_A0Z9U3 P G I L I T P K L P N Y F W D F W T K N N Q V Y P L G I D V F L L A E N T V M G
UniRef90_Q8D1C4 P G I I V S P Q L P Q P L M N Y L L M N H A V F P A G L D F L L T C G E H L M A
UniRef90_V5BQ79 P G I E I S P P L P A A L R D Y L L K R P H R F P L G L D I L L T C G E C L M A
UniRef90_Q2ISM7 P G I R G A A P L P D S L V S Q H E A D H V L F P R G I D L I L V S G P A M I A
UniRef90_A5L453 P G I Q S E N G L P E G F V S Y L K E R Q S L F P L G V D F I F V A D Q Q V L C
UniRef90_C6CDJ4 P G R M I A P Q L P V A V L D Y W C S R P H A F P A G L D I I L T C G A S L L A
UniRef90_UPI00047C9510 P G I L H V Q G L P E L F L D Q W R Q N K S R F P C G V D V I L V S A S S L V C
UniRef90_E8XXM9 P G I T L S P L L P D C V R D Y L L N R P H R F P L G L D F M F T C G E E L I A
UniRef90_UPI0003B383B0 P G I L D I K G L P A A F H A W R A E N H H L F P C G V D V I F A S D T K I A A
UniRef90_M1F7R2 P G I V G I A G L D P R W P G M L A D N C R Q F P C G V D L L F T A G T A L M G
UniRef90_B3QDK6 P G I D G E T L L P A D L F D R L S I N A A L F P R G V D V V L V N G D Q V V A
UniRef90_A9CKL8 P G I R H V S G L P D I F P M L W A E N N A I F P R G V D V I L T A G D K F V C
UniRef90_M3KI06 P G I L T V D G L P Q D F A A Q W R E N G A L F P L G I D L V L V A D G K V A A
UniRef90_Q8KJ86 P G I Q R V D G L A S W F W E D W E L N H E L Y P S G V D V L F T S G N A I I A
UniRef90_UPI000479A7CE P G I L S I A G L P E G F W A Q W R A N H Q L F P L G V D V F L V Q G N R L C G
UniRef90_UPI0004656C6C P G I L A P R G L P K D F A H Q W S A N R K R F P R G V D L I L T A G D A I A C
UniRef90_E6VTK2 P G I L A V D G L H T D F W Q A M Q W N S H R F P L G F D T I L A T E T E I V S
UniRef90_K2LYN7 P G I L S V P G L P A A F H A W R S E N H H L F P C G V D V V F A A D R K I A A
UniRef90_K2J0G7 P G I L K I N A L H A G F D S D W Q K N A K L F P R G L D L F L V A G H Q L A G
UniRef90_G8PLT2 P G I F S I T P T P A T F W Q Q M Q D N S T L Y P L G I D V I F A G A N Q V A G
UniRef90_U2LS95 P G I E I A P P L P A A L R A Y L L E R P Q R F P L G L D I I L T C G E R L M A
UniRef90_J4YUZ0 P G I L S V D G L P D G F W R E W R L N H Q R F P L G V D V F L T Q G R R M C G
UniRef90_W8IBE0 P G I I A V R G L P E V F L D F W S A N R A I F P R G I D L V L T S G D S V L C
UniRef90_A0YXR6 P G I V I K L P L D S S F R E E W K K N H Q S Y P L G I D V F L F G E N T I I G
UniRef90_UPI0004754279 P G I E T T A P L P R H F V E Q W K Q N G A R F P R G V D V I L A A P D A V A C
UniRef90_K9HKM0 P G I L R A E G L P E G F W R A L A D N R L L F P Q G L D V I L A A P E G L A C
UniRef90_A9DHS6 P G I L A P D P M P Q H F A A Q W R A N R A A F P R G V D L I L A A P D G V A A
UniRef90_F4GUN8 P G I L M N L P L P A S F W A Q R T Q Q S F P M G I D L F L T A G C E L L G
UniRef90_UPI000307BF0D P G I K G E T G L S D P L I E A I Q T G R G C F P H G I D M F F S C E N E V I A
UniRef90_UPI0003B54AAC P G I V G L A G L P S W F W S D W E L N A E Y Y P L G V D V F F T S G N A L I A
UniRef90_A4U4H9 P G I L A A G Q L P A A F K A W V Q D N H A L F P R G V D L L F A A P G Q L A A
UniRef90_D4TLU6 P G N L I A P S I T S T F W E F W E Q N Y P L Y P L G I D V F L F T E D S V M G
UniRef90_UPI000479AA0B P G I L A V D G L P K S F V A F R A A N S A L F P R G V D V V L T A G R D I V A
UniRef90_Q07LY8 P G I R G T A P L P A E L L A Q R E A S Q A L F P R G I D L I L V A G D A I V A
UniRef90_UPI000412F4C9 P G I D G R A I L P N D L F E R L A I N V A L F P R G I D V V L V A D D A I V A
UniRef90_D4DXY5 P G I L I S P E L P A A L R D Y L L E R P H R F P L G I D V L L T C G E Q L I A
UniRef90_U1IM98 P G I D G S A V L P R D L F Q R L S I N E A L F P R G I D V V L V H D D N I V A
UniRef90_UPI000349A2FA P G I K G E T Q F T A D L F D R L A V N A T L F P R G I D V V L V D D R I V A
UniRef90_A5ENP6 P G I D G T V S L P A D L F A R L S I N E A L F P R G I D V I L V D G R S L V A
UniRef90_W0I3R8 P G I Q I A P R L P S R V L S Y L L D R P Q H F P Q G S D L I L T S G S Q L L A
UniRef90_UPI0004672E58 P G I L A P T A L P G D F R S Q W R D N G V R F P R G V D L V F A A R H E I A C
UniRef90_UPI00046A30A6 P G I E G H A R L S L P E T G L F Q D N A Q Y Y P L G L D F I F T N A T R L A G
UniRef90_UPI000346B31A Y G I L V R P Q V N A A F W E Q W E A N H Q A Y P L G I D V F F F T G D A A I G
UniRef90_UPI0002E501D6 P G I Q S V K G L N P L F L L A L V T K R S H F P H G V D I L F T S G S D V I A


170
QUERY I P R T T H V E V C
UniRef90_S3K5Q7 I P R T T H V E V C
UniRef90_W9BJQ7 I P R T T H V E V C
UniRef90_UPI0003B7B79F L P R T T K I
UniRef90_G9Y8R1 I P R T T H V E V
UniRef90_UPI000360D590 L P R T T K I T A
UniRef90_R9VNU6 I P R T T L V E V
UniRef90_L0NL60 L P R T T R I
UniRef90_A6UHA9 L P R T T K L E
UniRef90_UPI000366187E V P R T T H V E V C
UniRef90_H5UZ40 I P R A T H V E V
UniRef90_W6W9E5 L P R T V R I
UniRef90_W6R3T1 L P R T T K I T A
UniRef90_A7MPI8 I P R T T H V E I A
UniRef90_K2PK22 L P R T T K I R E
UniRef90_E1SHV4 V P R T T V V E V C
UniRef90_UPI00041B4736 L P R T T R L A I
UniRef90_B9J6R0 L P R T T K I
UniRef90_D8MTX9 L P R T T D V R V C
UniRef90_H0HLX4 L P R T T R I K
UniRef90_UPI00034DDBB6 L P R T T Q V E V C
UniRef90_Q8YUV7 L P R T A K P E V
UniRef90_UPI00046A8AC3 L P R T T T V E V
UniRef90_W8UPU6 I P R T T H V E V C
UniRef90_C6CMZ6 L P R T T H V E V C
UniRef90_E3HQ80 L P R S T R K E
UniRef90_V3TZD2 L P R T T H V E V
UniRef90_E7B5A4 I P R T T H V E V C
UniRef90_V5AHQ6 I P R T I L V E V C
UniRef90_X6D0C5 L P R T T R I K
UniRef90_K9ZII4 L P R T T K
UniRef90_K2NA13 L P R T T R I
UniRef90_K2MHF7 L P R T T R I
UniRef90_UPI0002E48AD8 L P R T T R I K
UniRef90_I0QTR8 L P R T T R V E A C
UniRef90_A0A021WXD0 L P R T T V V S V
UniRef90_UPI000464966F I P H A T H V E A C
UniRef90_A8TV04 L P R T T T V S E
UniRef90_UPI00041D4A7E M P R S T I V A V
UniRef90_Q982B1 L P R T I K V E A
UniRef90_V2GLS2 L P R T T L V E
UniRef90_J7KP16 L P R T T H V E V C
UniRef90_K8PFD8 L P R S T L I T A
UniRef90_UPI00037039D8 L P R S I S V E I
UniRef90_B4WQP2 L P R T T H V
UniRef90_W3RHR9 L P R T T R V
UniRef90_Q981Q2 L P R T I A V E A
UniRef90_K9PNY6 L P R T A K S E I C
UniRef90_A0Z9U3 L P R T A K Y Q V
UniRef90_Q8D1C4 L P R T T H V E V C
UniRef90_V5BQ79 L P R T T R V E E C
UniRef90_Q2ISM7 I P R T T R L
UniRef90_A5L453 L P R T T K V E A
UniRef90_C6CDJ4 L P R T T Q V E V C
UniRef90_UPI00047C9510 L P R T T N I S
UniRef90_E8XXM9 I P R T T R V E V C
UniRef90_UPI0003B383B0 L S R T T R I E V
UniRef90_M1F7R2 L P R T T R V E I
UniRef90_B3QDK6 I P R T T R L S
UniRef90_A9CKL8 L P R T T R I K
UniRef90_M3KI06 L P R T T R I
UniRef90_Q8KJ86 L P R S I S G E I
UniRef90_UPI000479A7CE L P R T A Q A E
UniRef90_UPI0004656C6C L P R S A R L
UniRef90_E6VTK2 L P R T V R V
UniRef90_K2LYN7 L P R T T R I E V
UniRef90_K2J0G7 L P R T T R I
UniRef90_G8PLT2 L P R S T K I
UniRef90_U2LS95 L P R T T R V E E C
UniRef90_J4YUZ0 L P R T T R V E
UniRef90_W8IBE0 L P R T T R L
UniRef90_A0YXR6 L P R T T N L S
UniRef90_UPI0004754279 L P R T T S I K
UniRef90_K9HKM0 L P R T T I V S E
UniRef90_A9DHS6 L P R S A R L
UniRef90_F4GUN8 L P R S T K I
UniRef90_UPI000307BF0D L P R S T Q V
UniRef90_UPI0003B54AAC L P R T I K V E A
UniRef90_A4U4H9 L P R S T L L E
UniRef90_D4TLU6 L P R T A K
UniRef90_UPI000479AA0B L P R S T
UniRef90_Q07LY8 I P R T T R L
UniRef90_UPI000412F4C9 I P R T T R
UniRef90_D4DXY5 I P R T T H L E A C
UniRef90_U1IM98 I P R T T R L
UniRef90_UPI000349A2FA I P R T T R L
UniRef90_A5ENP6 M P R T T R L A A A
UniRef90_W0I3R8 L P R T T H V E V
UniRef90_UPI0004672E58 L P R T T R I
UniRef90_UPI00046A30A6 L P R T T R I S
UniRef90_UPI000346B31A L P R T T R
UniRef90_UPI0002E501D6 L P R S T A V

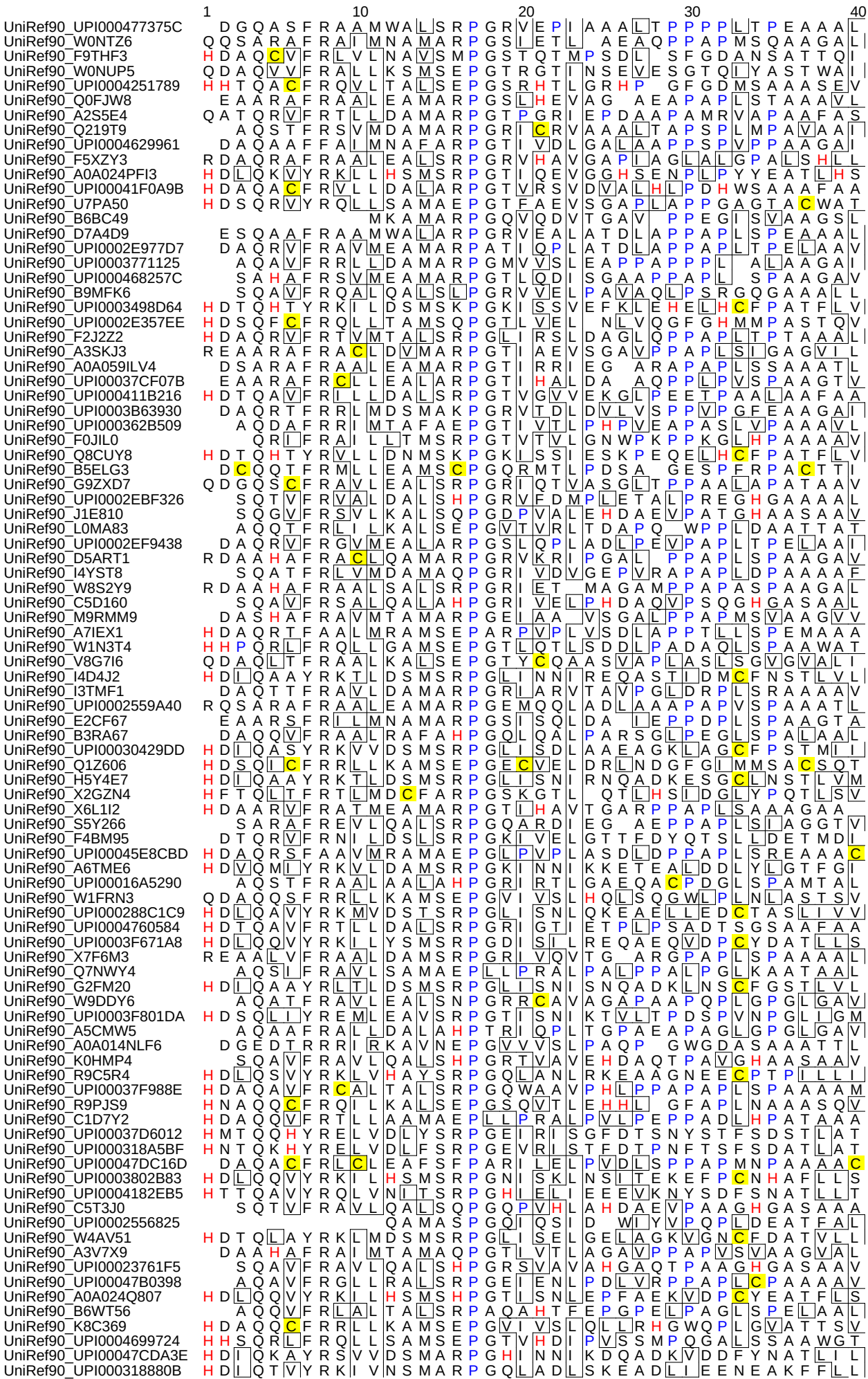

1
10
20
30
40
UniRef90_B9JYS7
UniRef90_L7ZEX5
UniRef90_J3HRT6
UniRef90_A4YYQ8
UniRef90_UPI00036ECB21
UniRef90_U4VGK0
UniRef90_UPI0004624D65
UniRef90_K9F7U5
UniRef90_S6HCB4
UniRef90_UPI000046A1D10
UniRef90_UPI000364C03F
UniRef90_I9CPA1
UniRef90_V8QV23
UniRef90_W2DJM5
UniRef90_E5YA97
UniRef90_M9R7R0
UniRef90_U7FT68
UniRef90_UPI0003AB130C
UniRef90_F2ZN63
UniRef90_UPI0003125C47
UniRef90_L8NDD9
UniRef90_U9VU74
UniRef90_UPI000469BE2A
UniRef90_A0A052JG50
UniRef90_D0I5Z9
UniRef90_U5DMJ9
UniRef90_Q30W23
UniRef90_D5WFW2
UniRef90_H0TC60
UniRef90_UPI0003FC8A6C
UniRef90_UPI0002EA0C9D
UniRef90_M1WP01
UniRef90_A6CWP3
UniRef90_Q222Z9
UniRef90_Q1ZN10
UniRef90_K0NMV5
UniRef90_S9S2E9
UniRef90_UPI000411A501
UniRef90_UPI00025595F8
UniRef90_UPI00046AD4B5
UniRef90_H0TY23
UniRef90_F7QLP6
UniRef90_H4F4B3
UniRef90_Q5LW73
UniRef90_UPI000366B17E
UniRef90_A4XWC4
UniRef90_UPI000362D6BD
UniRef90_A0A024K9G6
UniRef90_A3W2E0
UniRef90_UPI000345731C
UniRef90_UPI0004699CB8
UniRef90_UPI000466FB7B
UniRef90_UPI00037AAB70
UniRef90_K9QMK0
UniRef90_A0A023WLG3
UniRef90_A0A037ZLF5
UniRef90_K2K1L9
UniRef90_I6SPI3
UniRef90_UPI000225EE36
UniRef90_W0NTW0
UniRef90_B7QRG0
UniRef90_V9WM36
UniRef90_Q46TJ4
UniRef90_C7LNP7
UniRef90_UPI00037E0F3E
UniRef90_A3X3L2
UniRef90_UPI00035DFC06
UniRef90_C9CT70
UniRef90_A3SVF0
UniRef90_UPI00046A0181
UniRef90_A3VEK6
UniRef90_UPI00035EA064
UniRef90_UPI000046938A7
UniRef90_K6B674
UniRef90_W0P7M8
UniRef90_A4ENY5
UniRef90_G8ME44
UniRef90_C9YH25
UniRef90_A0A038GD38
UniRef90_B8IV26
UniRef90_D5RPZ8
UniRef90_A9DQI1
UniRef90_B9QUF6
UniRef90_A3TSU9
UniRef90_UPI0004790B84
UniRef90_B2JN57
UniRef90_A0A037UX58
UniRef90_A6FMV0
UniRef90_UPI0003B4A80C
UniRef90_E0XPG7
UniRef90_A8IID6
UniRef90_UPI0003683B3B

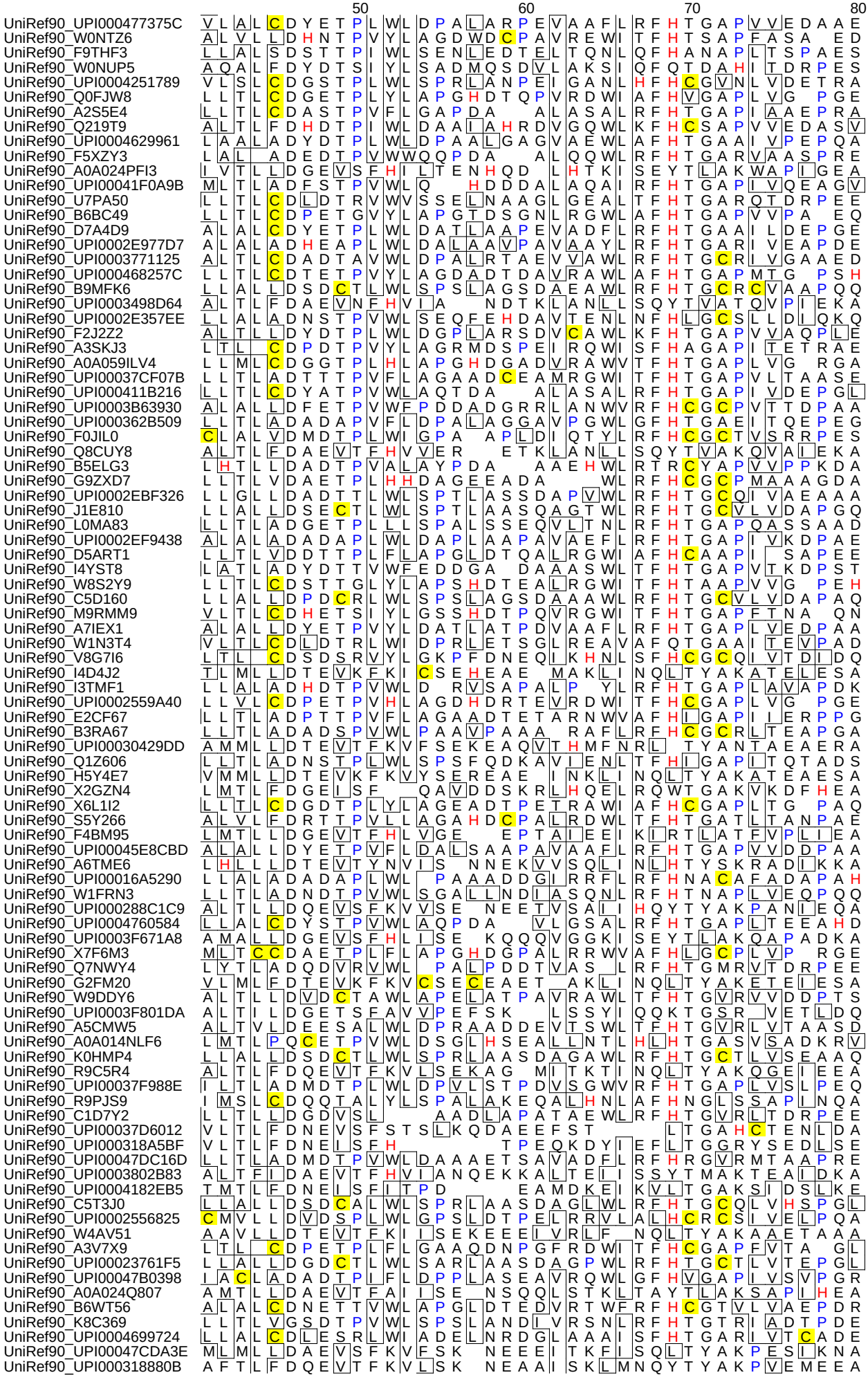

50
60
70
80
UniRef90_B9JYS7
UniRef90_L7ZEX5
UniRef90_J3HRT6
UniRef90_A4YYQ8
UniRef90_UPI00036ECB21
UniRef90_U4VGK0
UniRef90_UPI0004624D65
UniRef90_K9F7U5
UniRef90_S6HCB4
UniRef90_UPI00046A1D10
UniRef90_UPI000364C03F
UniRef90_I9CPA1
UniRef90_V8QV23
UniRef90_W2DJM5
UniRef90_E5YA97
UniRef90_M9R7R0
UniRef90_U7FT68
UniRef90_UPI0003AB130C
UniRef90_F2ZN63
UniRef90_UPI0003125C47
UniRef90_L8NDD9
UniRef90_U9VU74
UniRef90_UPI000469BE2A
UniRef90_A0A052JG50
UniRef90_D0I5Z9
UniRef90_U5DMJ9
UniRef90_Q30W23
UniRef90_D5WFW2
UniRef90_H0TC60
UniRef90_UPI0003FC8A6C
UniRef90_UPI0002EA0C9D
UniRef90_M1WP01
UniRef90_A6CWP3
UniRef90_Q222Z9
UniRef90_Q1ZN10
UniRef90_K0NMV5
UniRef90_S9S2E9
UniRef90_UPI000411A501
UniRef90_UPI00025595F8
UniRef90_UPI00046AD4B5
UniRef90_H0TY23
UniRef90_F7QLP6
UniRef90_H4F4B3
UniRef90_Q5LW73
UniRef90_UPI000366B17E
UniRef90_A4XWC4
UniRef90_UPI000362D6BD
UniRef90_A0A024K9G6
UniRef90_A3W2E0
UniRef90_UPI000345731C
UniRef90_UPI0004699CB8
UniRef90_UPI000466FB7B
UniRef90_UPI00037AAB70
UniRef90_K9QMK0
UniRef90_A0A023WLG3
UniRef90_A0A037ZLF5
UniRef90_K2K1L9
UniRef90_I6SPI3
UniRef90_UPI000225EE36
UniRef90_W0NTW0
UniRef90_B7QRG0
UniRef90_V9WM36
UniRef90_Q46TJ4
UniRef90_C7LNP7
UniRef90_UPI00037E0F3E
UniRef90_A3X3L2
UniRef90_UPI00035DFC06
UniRef90_C9CT70
UniRef90_A3SVF0
UniRef90_UPI00046A0181
UniRef90_A3VEK6
UniRef90_UPI00035EA064
UniRef90_UPI00046938A7
UniRef90_K6B674
UniRef90_W0P7M8
UniRef90_A4ENY5
UniRef90_G8ME44
UniRef90_C9YH25
UniRef90_A0A038GD38
UniRef90_B8IV26
UniRef90_D5RPZ8
UniRef90_A9DQI1
UniRef90_B9QUF6
UniRef90_A3TSU9
UniRef90_UPI0004790B84
UniRef90_B2JN57
UniRef90_A0A037UX58
UniRef90_A6FMV0
UniRef90_UPI0003B4A80C
UniRef90_E0XPG7
UniRef90_A8IID6
UniRef90_UPI0003683B3B

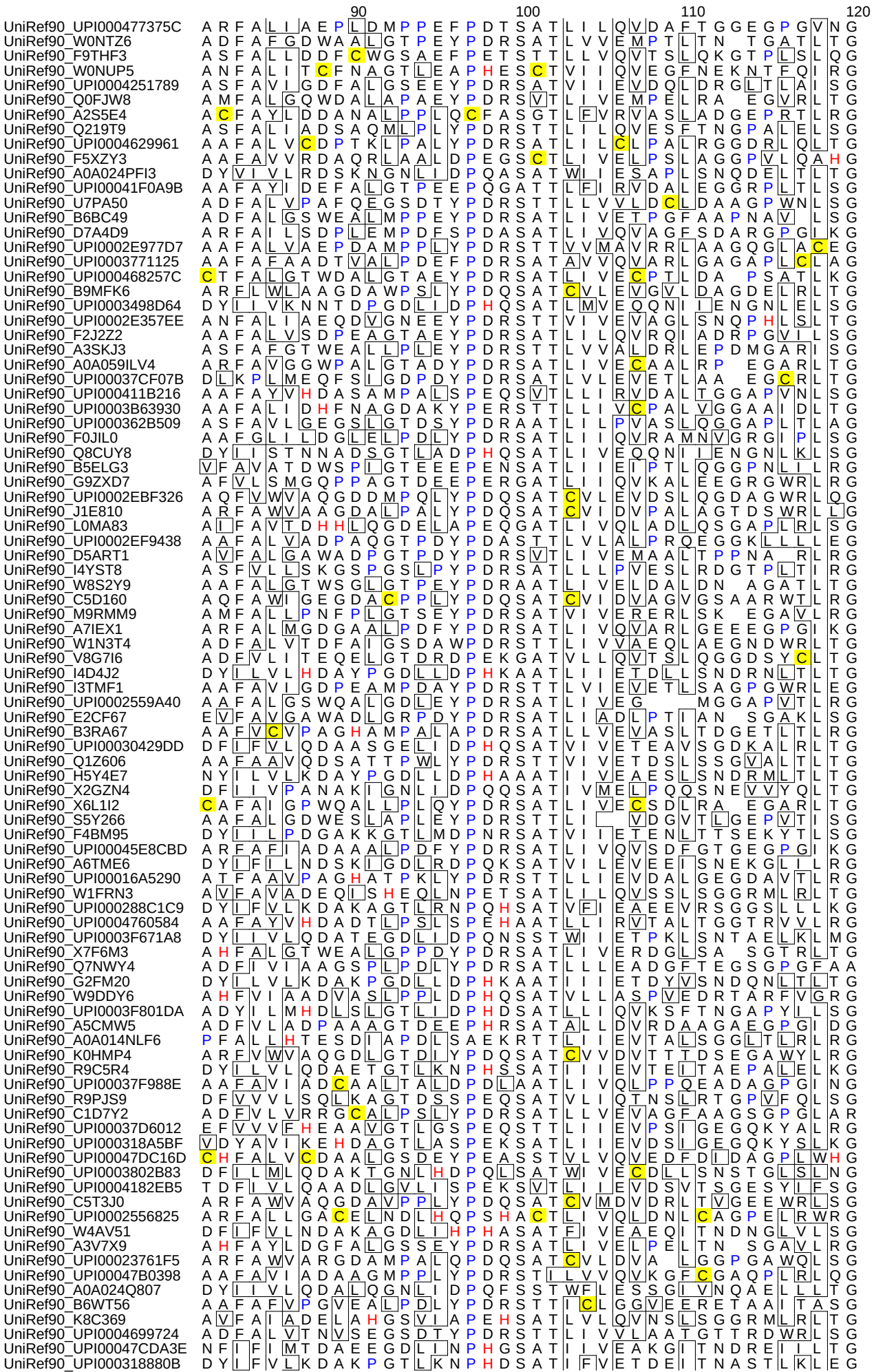

90
100
110
120
UniRef90_B9JYS7
UniRef90_L7ZEX5
UniRef90_J3HRT6
UniRef90_A4YYQ8
UniRef90_UPI00036ECB21
UniRef90_U4VGK0
UniRef90_UPI0004624D65
UniRef90_K9F7U5
UniRef90_S6HCB4
UniRef90_UPI00046A1D10
UniRef90_UPI000364C03F
UniRef90_I9CPA1
UniRef90_V8QV23
UniRef90_W2DJM5
UniRef90_E5YA97
UniRef90_M9R7R0
UniRef90_U7FT68
UniRef90_UPI0003AB130C
UniRef90_F2ZN63
UniRef90_UPI0003125C47
UniRef90_L8NDD9
UniRef90_U9VU74
UniRef90_UPI000469BE2A
UniRef90_A0A052JG50
UniRef90_D0I5Z9
UniRef90_U5DMJ9
UniRef90_Q30W23
UniRef90_D5WFW2
UniRef90_H0TC60
UniRef90_UPI0003FC8A6C
UniRef90_UPI0002EA0C9D
UniRef90_M1WP01
UniRef90_A6CWP3
UniRef90_Q222Z9
UniRef90_Q1ZN10
UniRef90_K0NMV5
UniRef90_S9S2E9
UniRef90_UPI000411A501
UniRef90_UPI00025595F8
UniRef90_UPI00046AD4B5
UniRef90_H0TY23
UniRef90_F7QLP6
UniRef90_H4F4B3
UniRef90_Q5LW73
UniRef90_UPI000366B17E
UniRef90_A4XWC4
UniRef90_UPI000362D6BD
UniRef90_A0A024K9G6
UniRef90_A3W2E0
UniRef90_UPI000345731C
UniRef90_UPI0004699CB8
UniRef90_UPI000466FB7B
UniRef90_UPI00037AAB70
UniRef90_K9QMK0
UniRef90_A0A023WLG3
UniRef90_A0A037ZLF5
UniRef90_K2K1L9
UniRef90_I6SPI3
UniRef90_UPI000225EE36
UniRef90_W0NTW0
UniRef90_B7QRG0
UniRef90_V9WM36
UniRef90_Q46TJ4
UniRef90_C7LNP7
UniRef90_UPI00037E0F3E
UniRef90_A3X3L2
UniRef90_UPI00035DFC06
UniRef90_C9CT70
UniRef90_A3SVF0
UniRef90_UPI00046A0181
UniRef90_A3VEK6
UniRef90_UPI00035EA064
UniRef90_UPI00046938A7
UniRef90_K6B674
UniRef90_W0P7M8
UniRef90_A4ENY5
UniRef90_G8ME44
UniRef90_C9YH25
UniRef90_A0A038GD38
UniRef90_B8IV26
UniRef90_D5RPZ8
UniRef90_A9DQI1
UniRef90_B9QUF6
UniRef90_A3TSU9
UniRef90_UPI0004790B84
UniRef90_B2JN57
UniRef90_A0A037UX58
UniRef90_A6FMV0
UniRef90_UPI0003B4A80C
UniRef90_E0XPG7
UniRef90_A8IID6
UniRef90_UPI0003683B3B

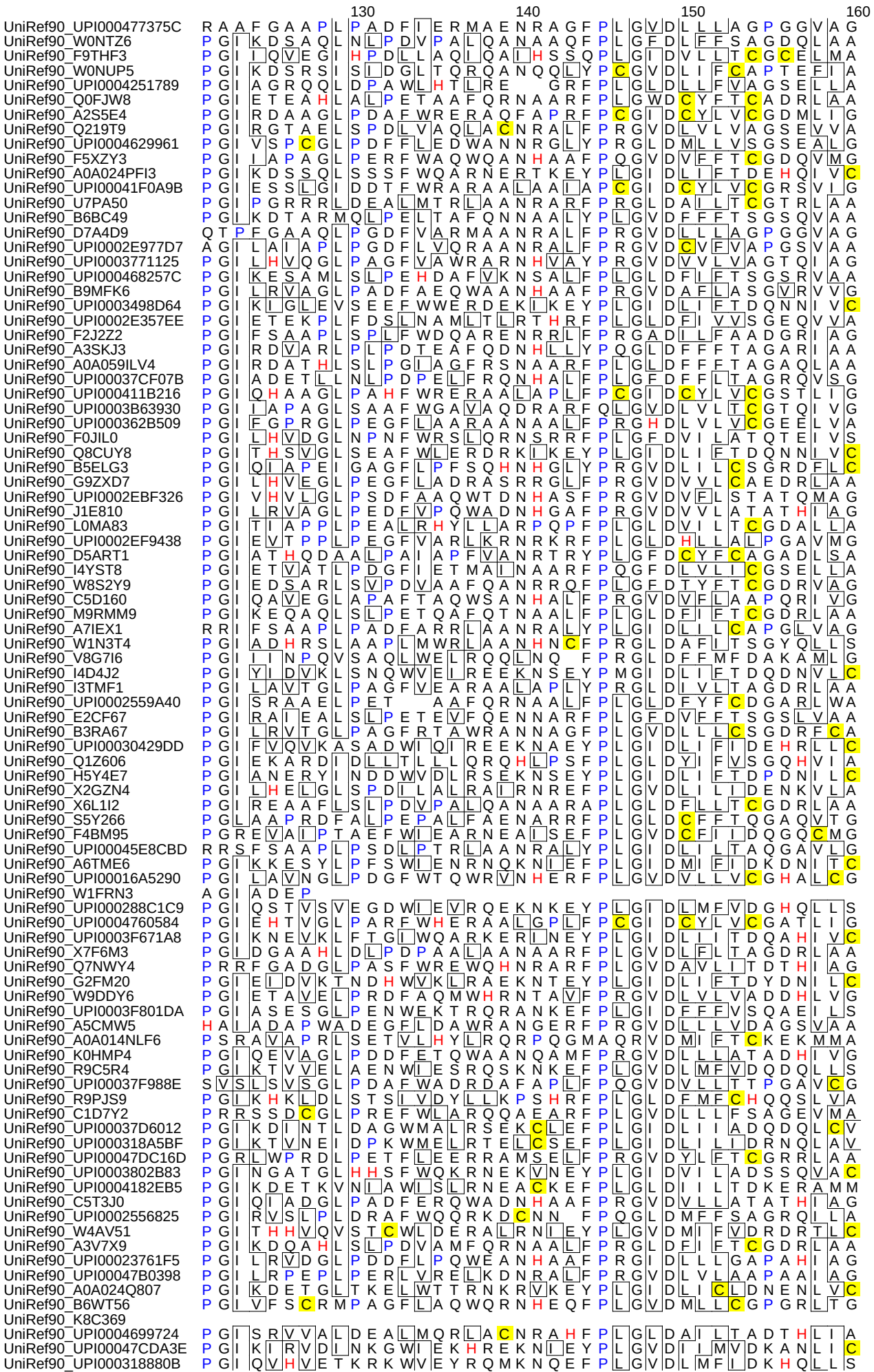

130
140
150
160
UniRef90_B9JYS7
UniRef90_L7ZEX5
UniRef90_J3HRT6
UniRef90_A4YYQ8
UniRef90_UPI00036ECB21
UniRef90_U4VGK0
UniRef90_UPI0004624D65
UniRef90_K9F7U5
UniRef90_S6HCB4
UniRef90_UPI000046A1D10
UniRef90_UPI000364C03F
UniRef90_I9CPA1
UniRef90_V8QV23
UniRef90_W2DJM5
UniRef90_E5YA97
UniRef90_M9R7R0
UniRef90_U7FT68
UniRef90_UPI0003AB130C
UniRef90_F2ZN63
UniRef90_UPI0003125C47
UniRef90_L8NDD9
UniRef90_U9VU74
UniRef90_UPI000469BE2A
UniRef90_A0A052JG50
UniRef90_D0I5Z9
UniRef90_U5DMJ9
UniRef90_Q30W23
UniRef90_D5WFW2
UniRef90_H0TC60
UniRef90_UPI0003FC8A6C
UniRef90_UPI0002EA0C9D
UniRef90_M1WP01
UniRef90_A6CWP3
UniRef90_Q222Z9
UniRef90_Q1ZN10
UniRef90_K0NMV5
UniRef90_S9S2E9
UniRef90_UPI000411A501
UniRef90_UPI00025595F8
UniRef90_UPI00046AD4B5
UniRef90_H0TY23
UniRef90_F7QLP6
UniRef90_H4F4B3
UniRef90_Q5LW73
UniRef90_UPI000366B17E
UniRef90_A4XWC4
UniRef90_UPI000362D6BD
UniRef90_A0A024K9G6
UniRef90_A3W2E0
UniRef90_UPI000345731C
UniRef90_UPI0004699CB8
UniRef90_UPI000466FB7B
UniRef90_UPI00037AAB70
UniRef90_K9QMK0
UniRef90_A0A023WLG3
UniRef90_A0A037ZLF5
UniRef90_K2K1L9
UniRef90_I6SPI3
UniRef90_UPI000225EE36
UniRef90_W0NTW0
UniRef90_B7QRG0
UniRef90_V9WM36
UniRef90_Q46TJ4
UniRef90_C7LNP7
UniRef90_UPI00037E0F3E
UniRef90_A3X3L2
UniRef90_UPI00035DFC06
UniRef90_C9CT70
UniRef90_A3SVF0
UniRef90_UPI00046A0181
UniRef90_A3VEK6
UniRef90_UPI00035EA064
UniRef90_UPI000466938A7
UniRef90_K6B674
UniRef90_W0P7M8
UniRef90_A4ENY5
UniRef90_G8ME44
UniRef90_C9YH25
UniRef90_A0A038GD38
UniRef90_B8IV26
UniRef90_D5RPZ8
UniRef90_A9DQI1
UniRef90_B9QUF6
UniRef90_A3TSU9
UniRef90_UPI0004790B84
UniRef90_B2JN57
UniRef90_A0A037UX58
UniRef90_A6FMV0
UniRef90_UPI0003B4A80C
UniRef90_E0XPG7
UniRef90_A8IID6
UniRef90_UPI0003683B3B

UniRef90_B9JYS7	L	P	R	S	C	A	I				
UniRef90_L7ZEX5	I	P	R	T	T	R	V	E	V	C	
UniRef90_J3HRT6	L	P	R	T	T	R	I				
UniRef90_A4YYQ8	I	P	R	T	T	R	L				
UniRef90_UPI00036ECB21	L	P	R	T	C	R	I				
UniRef90_U4VGK0	L	P	R	T	T	R	I	S	A		
UniRef90_UPI0004624D65	L	P	R	T	T	Q	T	E	I		
UniRef90_K9F7U5	L	P	R	T	A	H					
UniRef90_S6HCB4	L	P	R	S	T	R	V	Q	E		
UniRef90_UPI00046A1D10	L	P	R	S	T	R	V	E			
UniRef90_UPI000364C03F	I	P	R	T	T	T	L	E	V		
UniRef90_I9CPA1	L	P	R	S	T	A	V	T	E		
UniRef90_V8QV23	L	P	R	S	T						
UniRef90_W2DJM5	L	P	R	S	T	R	V	E	E	C	
UniRef90_E5YA97	L	P	R	T	T	R	L	E			
UniRef90_M9R7R0	L	P	R	T	T	R	V	S			
UniRef90_U7FT68	L	P	R	S	T	R	I				
UniRef90_UPI0003AB130C	L	P	R	S	T	K	L				
UniRef90_F2ZN63	L	P	R	S	T	R	V	Q	E	C	
UniRef90_UPI0003125C47	I	P	R	T	T	R	I				
UniRef90_L8NDD9	L	P	R	S	T	R	V	Q	E	C	
UniRef90_U9VU74	L	P	R	T	A	K					
UniRef90_UPI000469BE2A	L	P	R	T	T	R	V	S			
UniRef90_A0A052JG50	L	P	R	S	T	I	V	E			
UniRef90_D0I5Z9	I	P	R	S	T	E	L				
UniRef90_U5DMJ9	L	P	R	T	A	R	V				
UniRef90_Q30W23	L	P	R	T	V	R	I				
UniRef90_D5WFW2	L	P	R	T	T	E	A	K	V		
UniRef90_H0TC60	I	P	R	T	T	R	L				
UniRef90_UPI0003FC8A6C	L	P	R	S	T	N	V	E	D	A	
UniRef90_UPI0002EA0C9D	L	P	R	S	T	R	V	S			
UniRef90_M1WP01	L	P	R	T	V	Q	V				
UniRef90_A6CWP3	L	P	R	T	T	L	V	E	V		
UniRef90_Q222Z9	L	P	R	T	T	R	V				
UniRef90_Q1ZN10	L	P	R	T	T	Q	I				
UniRef90_K0NMV5	I	P	R	T	T	K	L	E	I		
UniRef90_S9S2E9	L	P	R	S	T	R	V	E	E	A	
UniRef90_UPI000411A501	L	P	R	T	T	R	W	E			
UniRef90_UPI00025595F8	L	P	R	T	T	A	I	E			
UniRef90_UPI00046AD4B5	I	P	R	T	T	R	I				
UniRef90_H0TY23	I	P	R	T	T	R	L	V	V	A	
UniRef90_F7QLP6	L	P	R	S	T	H	V				
UniRef90_H4F4B3	L	P	R	T	C	K	I	T	A		
UniRef90_Q5LW73	L	P	R	S	T	T	I				
UniRef90_UPI000366B17E	L	P	R	T	T	Q	V	E	A		
UniRef90_A4XWC4	L	P	R	S	T	R	V				
UniRef90_UPI000362D6BD	I	P	R	S	S	R	I	E	K	C	
UniRef90_A0A024K9G6	L	P	R	T	T	R	I	V	E	A	
UniRef90_A3W2E0	L	P	R	S	T	R	V	E			
UniRef90_UPI000345731C	I	P	R	S	T	R	V	E			
UniRef90_UPI0004699CB8	L	P	R	T	T	V	V	S			
UniRef90_UPI000466FB7B	L	P	R	S	T	R	V	S			
UniRef90_UPI00037AAB70	L	P	R	T	T	K	L				
UniRef90_K9QMK0	L	P	R	T	A	K	V	E	V		
UniRef90_A0A023WLG3	L	P	R	S	T	R	I				
UniRef90_A0A037ZLF5	L	P	R	T	T	L	V	E			
UniRef90_K2K1L9	L	P	R	T	T	R	V	S			
UniRef90_I6SPI3	L	P	R	S	T	R	V	S	E		
UniRef90_UPI000225EE36	L	P	R	S	T	I	V	E			
UniRef90_W0NTW0	L	P	R	T	T	L	I	A	L	A	
UniRef90_B7QRG0	L	P	R	S	S	R	I	E			
UniRef90_V9WM36	L	P	R	S	S	R	I				
UniRef90_Q46TJ4	L	A	R	T	T	Q	L	E			
UniRef90_C7LNP7	L	P	R	T	L	K	M	E			
UniRef90_UPI00037E0F3E	L	P	R	S	A	R					
UniRef90_A3X3L2	L	P	R	S	T	T	L				
UniRef90_UPI00035DFC06	L	P	R	S	T	R	V				
UniRef90_C9CT70	L	P	R	S	T	Q	I	Q	A		
UniRef90_A3SVF0	L	P	R	T	T	R	V				
UniRef90_UPI00046A0181	L	P	R	T	T	D	V	V	V	C	
UniRef90_A3VEK6	L	P	R	S	T	R	V	E			
UniRef90_UPI00035EA064	L	P	R	T	T	H	V	S	E		
UniRef90_UPI00046938A7	L	P	R	S	T	T	V				
UniRef90_K6B674	L	P	R	S	T	R	V	Q	E	C	
UniRef90_W0P7M8	L	P	R	S	T	V	V	S			
UniRef90_A4ENY5	L	P	R	S	T	S	I	T	A		
UniRef90_G8ME44	L	P	R	T	T	Q	V	E	V		
UniRef90_C9YH25	L	P	R	T	T	R	I				
UniRef90_A0A038GD38	L	P	R	S	T	R	V	Q	E	C	
UniRef90_B8IV26	L	P	R	S	T	R	V	T	E		
UniRef90_D5RPZ8	L	P	R	T	T	R	V	T	E		
UniRef90_A9DQI1	L	P	R	S	T	K	V	S			
UniRef90_B9QUF6	L	P	R	S	T	S	V				
UniRef90_A3TSU9	L	P	R	T	T	E	V	S			
UniRef90_UPI0004790B84	I	P	R	T	T	R	X	E	E	C	
UniRef90_B2JN57	L	P	R	T	T	R	V	E			
UniRef90_A0A037UX58	L	P	R	S	T	R	I				
UniRef90_A6FMV0	L	P	R	S	T	C	V	E			
UniRef90_UPI0003B4A80C	L	P	R	S	T	K	V	E	A		
UniRef90_E0XPG7	L	P	R	S	T	K	I	K	V		
UniRef90_A8IID6	L	P	R	S	T	R	I	T	A		
UniRef90_UPI0003683B3B	L	P	R	T	T	T	V	R	E	A	

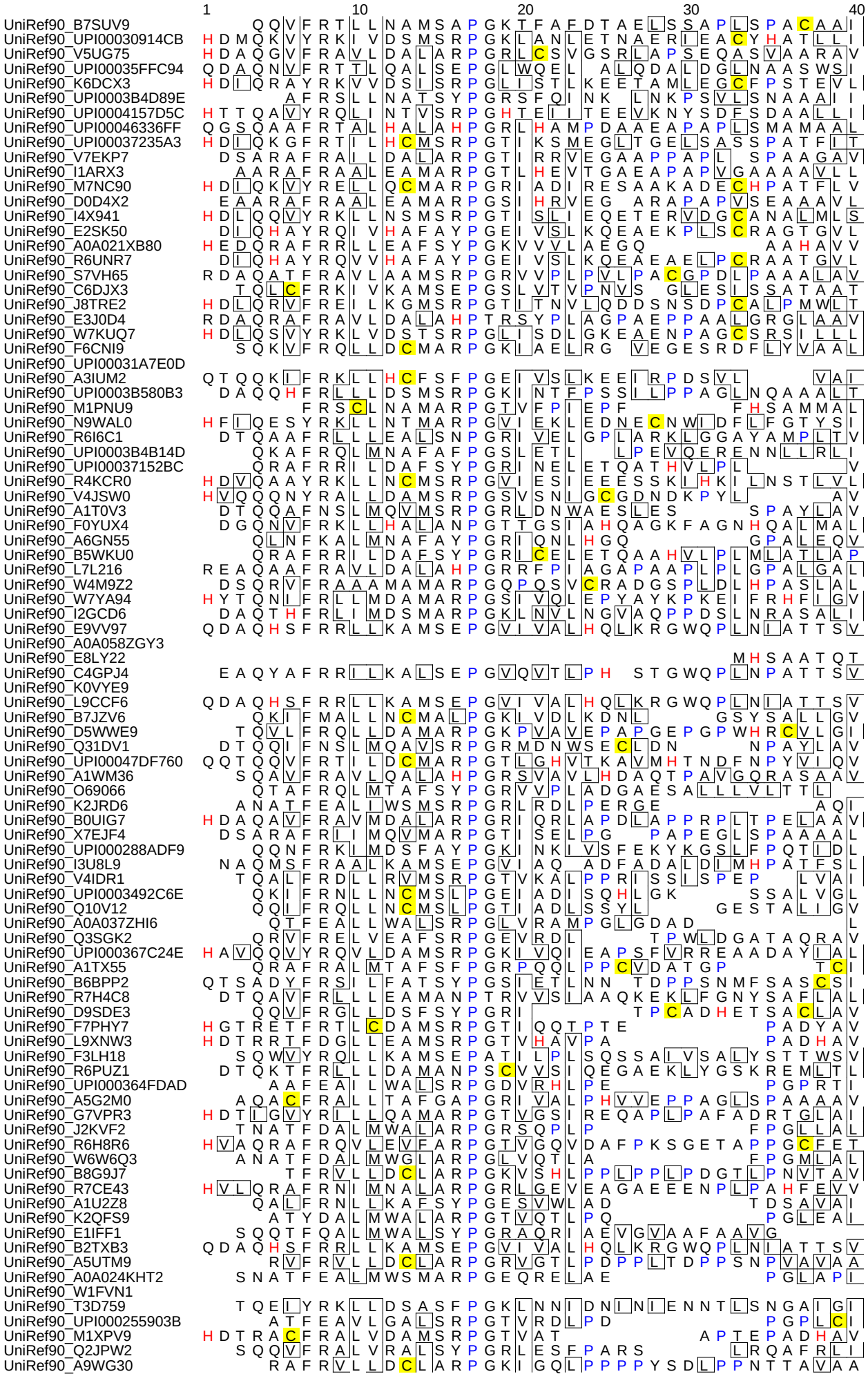

1
10
20
30
40
UniRef90_UPI000477375C
UniRef90_W0NTZ6
UniRef90_F9THF3
UniRef90_W0NUP5
UniRef90_UPI0004251789
UniRef90_Q0FJW8
UniRef90_A2S5E4
UniRef90_Q219T9
UniRef90_UPI0004629961
UniRef90_F5XZY3
UniRef90_A0A024PFI3
UniRef90_UPI00041F0A9B
UniRef90_U7PA50
UniRef90_B6BC49
UniRef90_D7A4D9
UniRef90_UPI0002E977D7
UniRef90_UPI0003771125
UniRef90_UPI000468257C
UniRef90_B9MFK6
UniRef90_UPI0003498D64
UniRef90_UPI0002E357EE
UniRef90_F2J2Z2
UniRef90_A3SKJ3
UniRef90_A0A059ILV4
UniRef90_UPI00037CF07B
UniRef90_UPI000411B216
UniRef90_UPI0003B63930
UniRef90_UPI000362B509
UniRef90_F0JIL0
UniRef90_Q8CUY8
UniRef90_B5ELG3
UniRef90_G9ZXD7
UniRef90_UPI0002EBF326
UniRef90_J1E810
UniRef90_L0MA83
UniRef90_UPI0002EF9438
UniRef90_D5ART1
UniRef90_I4YST8
UniRef90_W8S2Y9
UniRef90_C5D160
UniRef90_M9RMM9
UniRef90_A7IEX1
UniRef90_W1N3T4
UniRef90_V8G7I6
UniRef90_I4D4J2
UniRef90_I3TMF1
UniRef90_UPI0002559A40
UniRef90_E2CF67
UniRef90_B3RA67
UniRef90_UPI00030429DD
UniRef90_Q1Z606
UniRef90_H5Y4E7
UniRef90_X2GZN4
UniRef90_X6L1I2
UniRef90_S5Y266
UniRef90_F4BM95
UniRef90_UPI00045E8CBD
UniRef90_A6TME6
UniRef90_UPI00016A5290
UniRef90_W1FRN3
UniRef90_UPI000288C1C9
UniRef90_UPI0004760584
UniRef90_UPI0003F671A8
UniRef90_X7F6M3
UniRef90_Q7NWY4
UniRef90_G2FM20
UniRef90_W9DDY6
UniRef90_UPI0003F801DA
UniRef90_A5CMW5
UniRef90_A0A014NLF6
UniRef90_K0HMP4
UniRef90_R9C5R4
UniRef90_UPI00037F988E
UniRef90_R9PJS9
UniRef90_C1D7Y2
UniRef90_UPI00037D6012
UniRef90_UPI000318A5BF
UniRef90_UPI00047DC16D
UniRef90_UPI0003802B83
UniRef90_UPI0004182EB5
UniRef90_C5T3J0
UniRef90_UPI0002556825
UniRef90_W4AV51
UniRef90_A3V7X9
UniRef90_UPI00023761F5
UniRef90_UPI00047B0398
UniRef90_A0A024Q807
UniRef90_B6WT56
UniRef90_K8C369
UniRef90_UPI0004699724
UniRef90_UPI00047CDA3E
UniRef90_UPI000318880B

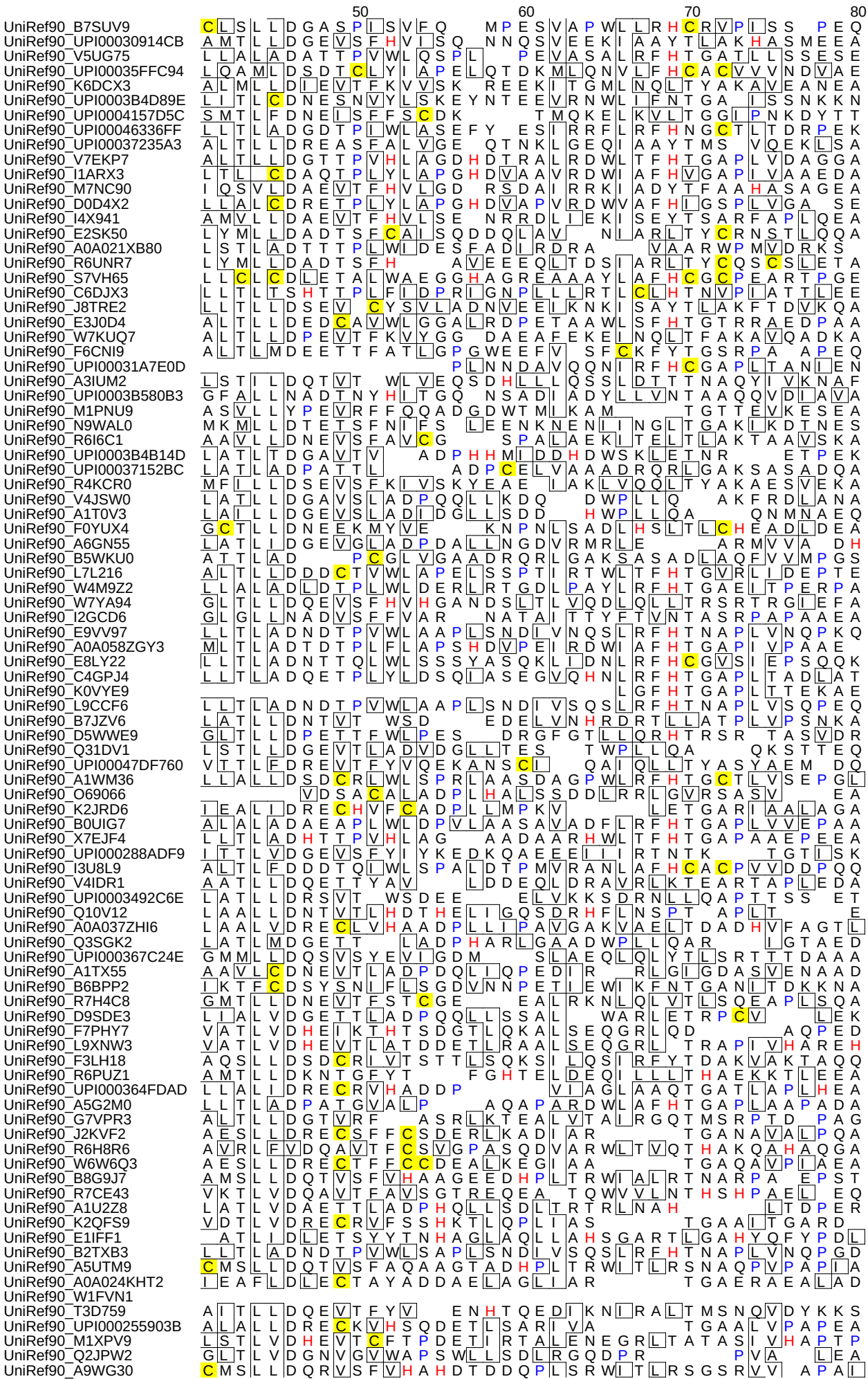

50
60
70
80
UniRef90_UPI000477375C
UniRef90_W0NTZ6
UniRef90_F9THF3
UniRef90_W0NUP5
UniRef90_UPI0004251789
UniRef90_Q0FJW8
UniRef90_A2S5E4
UniRef90_Q219T9
UniRef90_UPI0004629961
UniRef90_F5XZY3
UniRef90_A0A024PFI3
UniRef90_UPI00041F0A9B
UniRef90_U7PA50
UniRef90_B6BC49
UniRef90_D7A4D9
UniRef90_UPI0002E977D7
UniRef90_UPI0003771125
UniRef90_UPI000468257C
UniRef90_B9MFK6
UniRef90_UPI0003498D64
UniRef90_UPI0002E357EE
UniRef90_F2J2Z2
UniRef90_A3SKJ3
UniRef90_A0A059ILV4
UniRef90_UPI00037CF07B
UniRef90_UPI000411B216
UniRef90_UPI0003B63930
UniRef90_UPI000362B509
UniRef90_F0JIL0
UniRef90_Q8CUY8
UniRef90_B5ELG3
UniRef90_G9ZXD7
UniRef90_UPI0002EBF326
UniRef90_J1E810
UniRef90_L0MA83
UniRef90_UPI0002EF9438
UniRef90_D5ART1
UniRef90_I4YST8
UniRef90_W8S2Y9
UniRef90_C5D160
UniRef90_M9RMM9
UniRef90_A7IEX1
UniRef90_W1N3T4
UniRef90_V8G7I6
UniRef90_I4D4J2
UniRef90_I3TMF1
UniRef90_UPI0002559A40
UniRef90_E2CF67
UniRef90_B3RA67
UniRef90_UPI00030429DD
UniRef90_Q1Z606
UniRef90_H5Y4E7
UniRef90_X2GZN4
UniRef90_X6L1I2
UniRef90_S5Y266
UniRef90_F4BM95
UniRef90_UPI00045E8CBD
UniRef90_A6TME6
UniRef90_UPI00016A5290
UniRef90_W1FRN3
UniRef90_UPI000288C1C9
UniRef90_UPI0004760584
UniRef90_UPI0003F671A8
UniRef90_X7F6M3
UniRef90_Q7NWY4
UniRef90_G2FM20
UniRef90_W9DDY6
UniRef90_UPI0003F801DA
UniRef90_A5CMW5
UniRef90_A0A014NLF6
UniRef90_K0HMP4
UniRef90_R9C5R4
UniRef90_UPI00037F988E
UniRef90_R9PJS9
UniRef90_C1D7Y2
UniRef90_UPI00037D6012
UniRef90_UPI000318A5BF
UniRef90_UPI00047DC16D
UniRef90_UPI0003802B83
UniRef90_UPI0004182EB5
UniRef90_C5T3J0
UniRef90_UPI0002556825
UniRef90_W4AV51
UniRef90_A3V7X9
UniRef90_UPI00023761F5
UniRef90_UPI00047B0398
UniRef90_A0A024Q807
UniRef90_B6WT56
UniRef90_K8C369
UniRef90_UPI0004699724
UniRef90_UPI00047CDA3E
UniRef90_UPI000318880B

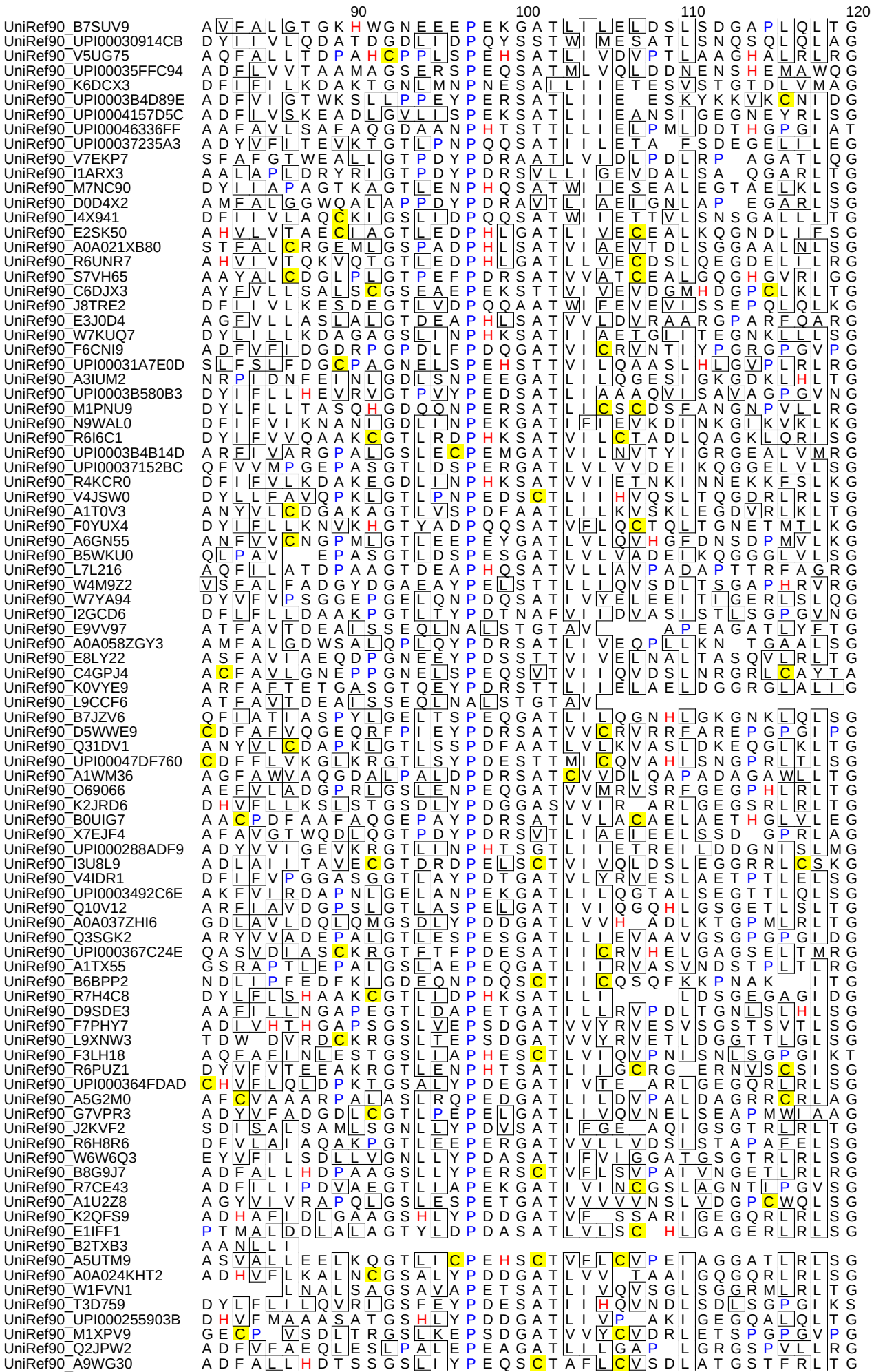

90
100
110
120
UniRef90_UPI000477375C
UniRef90_W0NTZ6
UniRef90_F9THF3
UniRef90_W0NUP5
UniRef90_UPI0004251789
UniRef90_Q0FJW8
UniRef90_A2S5E4
UniRef90_Q219T9
UniRef90_UPI0004629961
UniRef90_F5XZY3
UniRef90_A0A024PFI3
UniRef90_UPI00041F0A9B
UniRef90_U7PA50
UniRef90_B6BC49
UniRef90_D7A4D9
UniRef90_UPI0002E977D7
UniRef90_UPI0003771125
UniRef90_UPI000468257C
UniRef90_B9MFK6
UniRef90_UPI0003498D64
UniRef90_UPI0002E357EE
UniRef90_F2J2Z2
UniRef90_A3SKJ3
UniRef90_A0A059ILV4
UniRef90_UPI00037CF07B
UniRef90_UPI000411B216
UniRef90_UPI0003B63930
UniRef90_UPI000362B509
UniRef90_F0JIL0
UniRef90_Q8CUY8
UniRef90_B5ELG3
UniRef90_G9ZXD7
UniRef90_UPI0002EBF326
UniRef90_J1E810
UniRef90_L0MA83
UniRef90_UPI0002EF9438
UniRef90_D5ART1
UniRef90_I4YST8
UniRef90_W8S2Y9
UniRef90_C5D160
UniRef90_M9RMM9
UniRef90_A7IEX1
UniRef90_W1N3T4
UniRef90_V8G7I6
UniRef90_I4D4J2
UniRef90_I3TMF1
UniRef90_UPI0002559A40
UniRef90_E2CF67
UniRef90_B3RA67
UniRef90_UPI00030429DD
UniRef90_Q1Z606
UniRef90_H5Y4E7
UniRef90_X2GZN4
UniRef90_X6L1I2
UniRef90_S5Y266
UniRef90_F4BM95
UniRef90_UPI00045E8CBD
UniRef90_A6TME6
UniRef90_UPI00016A5290
UniRef90_W1FRN3
UniRef90_UPI000288C1C9
UniRef90_UPI0004760584
UniRef90_UPI0003F671A8
UniRef90_X7F6M3
UniRef90_Q7NWY4
UniRef90_G2FM20
UniRef90_W9DDY6
UniRef90_UPI0003F801DA
UniRef90_A5CMW5
UniRef90_A0A014NLF6
UniRef90_K0HMP4
UniRef90_R9C5R4
UniRef90_UPI00037F988E
UniRef90_R9PJS9
UniRef90_C1D7Y2
UniRef90_UPI00037D6012
UniRef90_UPI000318A5BF
UniRef90_UPI00047DC16D
UniRef90_UPI0003802B83
UniRef90_UPI0004182EB5
UniRef90_C5T3J0
UniRef90_UPI0002556825
UniRef90_W4AV51
UniRef90_A3V7X9
UniRef90_UPI00023761F5
UniRef90_UPI00047B0398
UniRef90_A0A024Q807
UniRef90_B6WT56
UniRef90_K8C369
UniRef90_UPI0004699724
UniRef90_UPI00047CDA3E
UniRef90_UPI000318880B

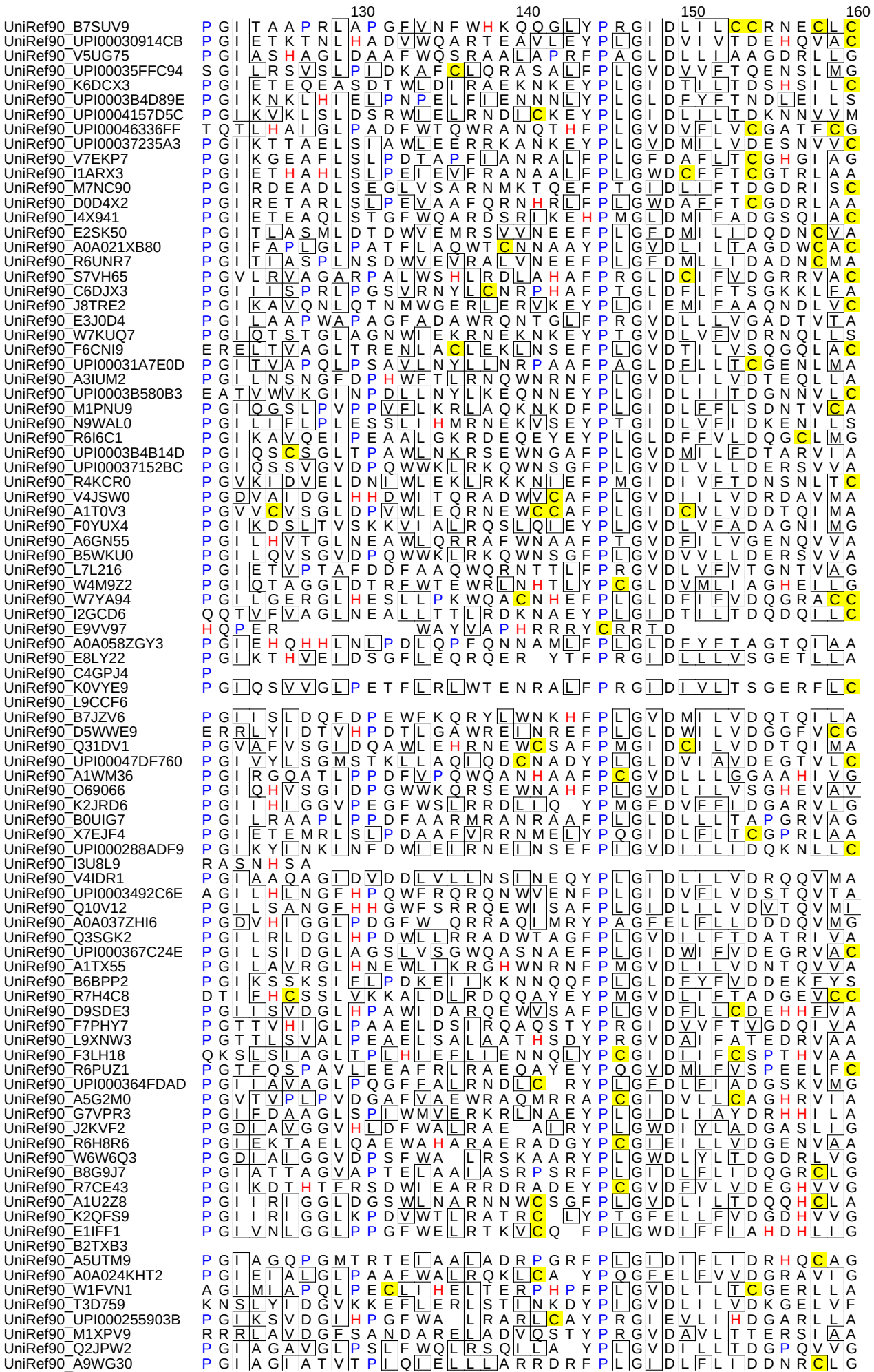

130
140
150
160
UniRef90_UPI000477375C R A A F G A A P L P A D F I E R M A E N R A G F P L G V D L L L A G P G G V A G
UniRef90_W0NTZ6 P G I K D S A Q L N L P D V P A L Q A N A A Q F P L G F D L F F S A G D Q L A A
UniRef90_F9THF3 P G I I Q V E G I H P D L L A Q I Q A I H S S Q P L G I D V L L T C G C E L M A
UniRef90_W0NUP5 P G I K D S R S I S I D G L T Q R Q A N Q Q L Y P C G V D L I F C A P T E F I A
UniRef90_UPI0004251789 P G I A G R Q Q L D P A W L H T L R E G R F P L G L D L L F V A G S E L L A
UniRef90_Q0FJW8 P G I E T E A H L A L P E T A A F Q R N A A R F P L G W D C Y F T C A D R L A A
UniRef90_A2S5E4 P G I R D A A G L P D A F W R E R A Q F A P R F P C G I D C Y L V C G D M L I G
UniRef90_Q219T9 P G I R G T A E L S P D L V A Q L A C N R A L F P R G V D L V L V A G S E V V A
UniRef90_UPI0004629961 P G I V S P C G L P D F F L E D W A N N R G L Y P R G L D M L L V S G S E A L G
UniRef90_F5XZY3 P G I I A P A G L P E R F W A Q W Q A N H A A F P Q G V D V F F T C G D Q V M G
UniRef90_A0A024PFI3 P G I K D S S Q L S S S F W Q A R N E R T K E Y P L G I D L I F T D E H Q I V C
UniRef90_UPI00041F0A9B P G I E S S L G I D D T F W R A R A A L A A I A P C G I D C Y L V C G R S V I G
UniRef90_U7PA50 P G I P G R R R L D E A L M T R L A A N R A R F P R G L D A I L T C G T R L A A
UniRef90_B6BC49 P G I K D T A R M Q L P E L T A F Q N N A A L Y P L G V D F F F T S G S Q V A A
UniRef90_D7A4D9 Q T P F G A A Q L P G D F V A R M A A N R A L F P R G V D L L L A G P G G V A G
UniRef90_UPI0002E977D7 A G I L A I A P L P G D F L V Q R A A N R A L F P R G V D C V F V A P G S V A A
UniRef90_UPI0003771125 P G I L H V Q G L P A G F V A W R A R N H V A Y P R G V D V V L V A G T Q I A G
UniRef90_UPI000468257C P G I K E S A M L S L P E H D A F V K N S A L F P L G L D F I F T S G S R V A A
UniRef90_B9MFK6 P G I L R V A G L P A D F A E Q W A A N H A A F P R G V D A F L A S G V R V V G
UniRef90_UPI0003498D64 P G I K I G L E V S E E F W W E R D E K I K E Y P L G I D L I F T D Q N N I V C
UniRef90_UPI0002E357EE P G I E T E K P L F D S L N A M L T L R T H R F P L G L D F I V V S G E Q V V A
UniRef90_F2J2Z2 P G I F S A A P L S P L F W D Q A R E N R R L F P R G A D I L F A A D G R I A G
UniRef90_A3SKJ3 P G I R D V A R L P L P D T E A F Q D N H L L Y P Q G L D F F F T A G A R I A A
UniRef90_A0A059ILV4 P G I R D A T H L S L P G I A G F R S N A A R F P L G L D F F F T A G A Q L A A
UniRef90_UPI00037CF07B P G I A D E T L L N L P D P E L F R Q N H A L F P L G F D F F L T A G R Q V S G
UniRef90_UPI000411B216 P G I Q H A A G L P A H F W R E R A A L A P L F P C G I D C Y L V C G S T L I G
UniRef90_UPI0003B63930 P G I I A P A G L S A A F W G A V A Q D R A R F Q L G V D L V L T C G T Q I V G
UniRef90_UPI000362B509 P G I F G P R G L P E G F L A A R A A N A A L F P R G H D L V L V C G E E L V A
UniRef90_F0JIL0 P G I L H V D G L N P N F W R S L Q R N S R R F P L G F D V I L A T Q T E I V S
UniRef90_Q8CUY8 P G I T H S V G L S E A F W L E R D R K I K E Y P L G I D L I F T D Q N N I V C
UniRef90_B5ELG3 P G I Q I A P E I G A G F L P F S Q H N H G L Y P R G V D L I L C S G R D F L C
UniRef90_G9ZXD7 P G I L H V E G L P E G F L A D R A S R R G L F P R G V D V V L C A E D R L A A
UniRef90_UPI0002EBF326 P G I V H V L G L P S D F A A Q W T D N H A S F P R G V D V F L S T A T Q M A G
UniRef90_J1E810 P G I L R V A G L P E D F V P Q W A D N H G A F P R G V D V V L A T A T H I A G
UniRef90_L0MA83 P G I T I A P P L P E A L R H Y L L A R P Q P F P L G L D V I L T C G D A L L A
UniRef90_UPI0002EF9438 P G I E V T P P L P E G F V A R L K R N R K R F P L G L D H L L A L P G A V M G
UniRef90_D5ART1 P G I A T H Q D A A L P A I A P F V A N R T R Y P L G F D C Y F C A G A D L S A
UniRef90_I4YST8 P G I E T V A T L P D G F I E T M A I N A A R F P Q G F D L V L I C G S E L L A
UniRef90_W8S2Y9 P G I E D S A R L S V P D V A A F Q A N R R Q F P L G F D T Y F T C G D R V A G
UniRef90_C5D160 P G I Q A V E G L A P A F T A Q W S A N H A L F P R G V D V F L A A P Q R I V G
UniRef90_M9RMM9 P G I K E Q A Q L S L P E T Q A F Q T N A A L F P L G L D F I F T C G D R L A A
UniRef90_A7IEX1 R R I F S A A P L P A D F A R R L A A N R A L Y P L G I D L I L C A P G L V A G
UniRef90_W1N3T4 P G I A D H R S L A A P L M W R L A A N H N C F P R G L D A F I T S G Y Q L L S
UniRef90_V8G7I6 P G I I I N P Q V S A Q L W E L R Q Q L N Q F P R G L D F F M F D A K A M L G
UniRef90_I4D4J2 P G I Y I D V K L S N Q W V E I R E E K N S E Y P M G I D L I F T D Q D N V L C
UniRef90_I3TMF1 P G I L A V T G L P A G F V E A R A A L A P L Y P R G L D I V L T A G D R L A A
UniRef90_UPI0002559A40 P G I S R A A E L P E T A A F Q R N A A L F P L G L D F Y F C D G A R L W A
UniRef90_E2CF67 P G I R A I E A L S L P E T E V F Q E N N A R F P L G F D V F F T S G S L V A A
UniRef90_B3RA67 P G I L R V T G L P A G F R T A W R A N N A G F P L G V D L L L C S G D R F C A
UniRef90_UPI00030429DD P G I F V Q V K A S A D W I Q I R E E K N A E Y P L G I D L I F I D E H R L L C
UniRef90_Q1Z606 P G I E K A R D I D L L T L L L Q R Q H L P S F P L G L D Y I F V S G Q H V I A
UniRef90_H5Y4E7 P G I A N E R Y I N D D W V D L R S E K N S E Y P L G I D L I F T D P D N I L C
UniRef90_X2GZN4 P G I L H E L G L S P D I L A L R A I R N R E F P L G V D L I L I D E N K V L A
UniRef90_X6L1I2 P G I R E A A F L S L P D V P A L Q A N A A R A P L G L D F L L T C G D R L A A
UniRef90_S5Y266 P G L A A P R D F A L P E P A L F A E N A R R F P L G L D C F F T Q G A Q V T G
UniRef90_F4BM95 P G R E V A I P T A E F W I E A R N E A I S E F P L G V D C F I I D Q G Q C M G
UniRef90_UPI00045E8CBD R R S F S A A P L P S D L P T R L A A N R A L Y P L G I D L I L T A Q G A V L G
UniRef90_A6TME6 P G I K K E S Y L P F S W I E N R N Q K N I E F P L G I D M I F I D K D N I T C
UniRef90_UPI00016A5290 P G I L A V N G L P D G F W T Q W R V N H E R F P L G V D V L L V C G H A L C G
UniRef90_W1FRN3 A G I A D E P
UniRef90_UPI000288C1C9 P G I Q S T V S V E G D W I E V R Q E K N K E Y P L G I D L M F V D G H Q L L S
UniRef90_UPI0004760584 P G I E H T V G L P A R F W H E R A A L G P L F P C G I D C Y L V C G A T L I G
UniRef90_UPI0003F671A8 P G I K N E V K L F T G I W Q A R K E R I N E Y P L G I D L I I T D Q A H I V C
UniRef90_X7F6M3 P G I D G A A H L D L P D P D P A A L A A N A A R F P L G V D L F L T A G D R L A A
UniRef90_Q7NWY4 P R R F G A D G L P A S F W R E W Q H N R A R F P L G V D A V L I T D T H I A G
UniRef90_G2FM20 P G I E I D V K T N D H W V K L R A E K N T E Y P L G I D L I F T D Y D N I L C
UniRef90_W9DDY6 P G I E T A V E L P R D F A Q M W H R N T A V F P R G V D L V L V A D D H L V G
UniRef90_UPI0003F801DA P G I A S E S G L P E N W E K T R Q R A N K E F P L G I D F F F V S Q A E I L S
UniRef90_A5CMW5 H A I A D A P W A D E G F L D A W R A N G E R F P R G V D L L L V D A G S V A A
UniRef90_A0A014NLF6 P S R A V A P R L S E T V L H Y L R Q R P Q G M A Q R V D M I F T C K E K M M A
UniRef90_K0HMP4 P G I Q E V A G L P D D F E T Q W A A N Q A M F P R G V D L L L A T A D H I V G
UniRef90_R9C5R4 P G I K T V V E L A E N W I E S R Q S K N K E F P L G V D L M F V D Q D Q L L S
UniRef90_UPI00037F988E S V S L S V S G L P D A F W A D R D A F A P L F P Q G V D V L L T T P G A V C G
UniRef90_R9PJS9 P G I K H K L D L S T S I V D Y L L K P S H R F P L G L D F M F C H Q Q S L V A
UniRef90_C1D7Y2 P R R S S D C G L P R E F W L A R Q Q A E A R F P L G V D L L L F S A G E V M A
UniRef90_UPI00037D6012 P G I K D I N T L D A G W M A L R S E K C L E F P L G I D L I I A D Q D Q L C V
UniRef90_UPI000318A5BF P G I K T V N E I D P K W M E L R T E L C S E F P L G I D L I L D R N Q L A V
UniRef90_UPI00047DC16D P G R L W P R D L P E T F L E E R R A M S E L F P R G V D Y L F T C G R R L A A
UniRef90_UPI0003802B83 P G I N G A T G L H H S F W Q K R N E K V N E Y P L G I D V I L A D S S Q V A C
UniRef90_UPI0004182EB5 P G I K D E T K V N I A W I S L R N E A C K E F P L G L D I I L T D K E R A M M
UniRef90_C5T3J0 P G I Q I A D G L P A D F E R Q W A D N H A A F P R G V D V L L A T A T H I A G
UniRef90_UPI0002556825 P G I R V S L P L D R A F W Q Q R K D C N N F P Q G L D M F F S A G R Q I L A
UniRef90_W4AV51 P G I T H H V Q V S T C W L D E R A L R N I E Y P L G V D M I F V D R D R T L C
UniRef90_A3V7X9 P G I K D Q A H L S L P D V A M F Q R N A A L F P R G L D F I F T C G D R L A A
UniRef90_UPI00023761F5 P G I L R V D G L P D D F L P Q W E A N H A A F P R G I D L L L G A P A H I A G
UniRef90_UPI00047B0398 P G I L R P E P L P E R L V R E L K D N R A L F P R G V D L V L A A P A A I A G
UniRef90_A0A024Q807 P G I K D E T G L T K E L W T T R N K R V K E Y P L G I D L I C L D N E N L V C
UniRef90_B6WT56 P G I V F S C R M P A G F L A Q W Q R N H E Q F P L G V D M L L C G P G R L T G
UniRef90_K8C369
UniRef90_UPI0004699724 P G I S R V V A L D E A L M Q R L A C N R A H F P L G L D A I L T A D T H L I A
UniRef90_UPI00047CDA3E P G I K I R V D I N K G W I E K H R E K N I E Y P L G V D I I M V D K A N L I C
UniRef90_UPI000318880B P G I Q V H V E T K R K W V E Y R Q M K N Q E F P L G V D L M F I D K H Q L L S

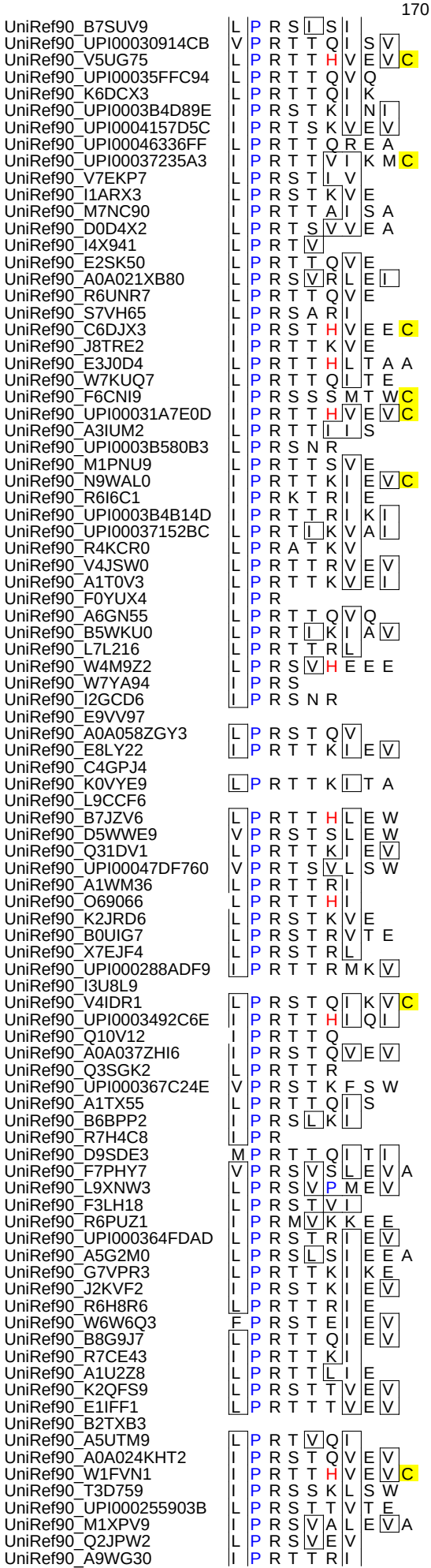
UniRef90_UPI000477375C	L	P	R	S	V	T	V	K	E	
UniRef90_W0NTZ6	L	P	R	S	T	K	V	R	T	A
UniRef90_F9THF3	L	P	R	T	T	Q	I			
UniRef90_W0NUP5	L	P	R	T	T	R	L			
UniRef90_UPI0004251789	L	P	R	T	T	V	V	E	V	
UniRef90_Q0FJW8	L	P	R	T	T	R	T	E	A	
UniRef90_A2S5E4	L	P	R	T	T	I	V	E	A	C
UniRef90_Q219T9	L	P	R	T	T	R	L	T	A	
UniRef90_UPI0004629961	L	P	R	T	T	Q	I			
UniRef90_F5XZY3	L	P	R	T	T	R	I	S		
UniRef90_A0A024PFI3	V	P	R	T	T	T	V	V	V	
UniRef90_UPI00041F0A9B	I	P	R	T	T	H	V	E		
UniRef90_U7PA50	V	P	R	S	T	R	I			
UniRef90_B6BC49	L	P	R	S	T	G	I			
UniRef90_D7A4D9	L	P	R	S	V	T	V	R	E	
UniRef90_UPI0002E977D7	L	P	R	T	T	Q	I			
UniRef90_UPI0003771125	L	P	R	S	T	A	V	T	E	
UniRef90_UPI000468257C	L	P	R	S	T	E	V			
UniRef90_B9MFK6	L	P	R	S	T	R	V	Q		
UniRef90_UPI0003498D64	I	P	R	T	T	K	V			
UniRef90_UPI0002E357EE	L	P	R	S	T	T	V	E	V	
UniRef90_F2J2Z2	L	P	R	S	T	T	I			
UniRef90_A3SKJ3	L	P	R	S	T	K	V	E		
UniRef90_A0A059ILV4	L	P	R	T	T	Q	V	E	A	
UniRef90_UPI00037CF07B	L	P	R	T	T	I	V	E	A	C
UniRef90_UPI000411B216	L	P	R	T	T	E	A	K	V	
UniRef90_UPI0003B63930	L	P	R	S	T	R	I	S		
UniRef90_UPI000362B509	L	P	R	T	T	R	I			
UniRef90_F0JIL0	L	P	R	T	I	Q	V			
UniRef90_Q8CUY8	I	P	R	T	T	K	V			
UniRef90_B5ELG3	L	P	R	T	T	E	I	E	E	A
UniRef90_G9ZXD7	L	P	R	T	T	L	A	E	E	
UniRef90_UPI0002EBF326	L	P	R	T	T	R	I			
UniRef90_J1E810	L	P	R	T	T	R	I	E		
UniRef90_L0MA83	I	P	R	T	T	H	L	E	E	C
UniRef90_UPI0002EF9438	L	P	R	S	T	R	V	T	E	A
UniRef90_D5ART1	L	P	R	S	T	R	V	E	A	
UniRef90_I4YST8	L	P	R	T	T	R	L	V	E	A
UniRef90_W8S2Y9	L	P	R	S	T	R	L	E	E	
UniRef90_C5D160	L	P	R	T	T	R	I	E		
UniRef90_M9RMM9	L	P	R	T	T	K	V			
UniRef90_A7IEX1	L	P	R	T						
UniRef90_W1N3T4	I	A	R	S	T	R	I			
UniRef90_V8G7I6	I	P	R	T	T	K	V	S		
UniRef90_I4D4J2	L	P	R	T	T	Q	I			
UniRef90_I3TMF1	L	P	R	T	T	R	I			
UniRef90_UPI0002559A40	L	P	R	T	T	K	V	T	E	A
UniRef90_E2CF67	L	P	R	S	T	R	V	E	A	A
UniRef90_B3RA67	L	T	R	T	T	I	V	E		
UniRef90_UPI00030429DD	L	P	R	T	T	Q	I			
UniRef90_Q1Z606	I	P	R	S	T	L	L	E	I	
UniRef90_H5Y4E7	L	P	R	T	T	Q	I			
UniRef90_X2GZN4	L	P	R	T	T	K	L	E	E	
UniRef90_X6L1I2	L	P	R	S	T	R	I	G	E	A
UniRef90_S5Y266	L	P	R	S	T	T	I	E	V	
UniRef90_F4BM95	L	P	R	T	T	K	M	R	E	
UniRef90_UPI00045E8CBD	L	P	R	T	V	K				
UniRef90_A6TME6	L	P	R	T	T	E	I			
UniRef90_UPI00016A5290	L	P	R	T	T	V	V	E		
UniRef90_W1FRN3										
UniRef90_UPI000288C1C9	L	P	R	T	T	Q	I	T	E	
UniRef90_UPI0004760584	L	P	R	T	T	L	A	E	V	
UniRef90_UPI0003F671A8	I	P	R	T	T	T	V	E	I	
UniRef90_X7F6M3	L	P	R	S	T	R	L	E	V	
UniRef90_Q7NWY4	L	P	R	S	V	R	L	R	E	
UniRef90_G2FM20	L	P	R	T	T	Q	I			
UniRef90_W9DDY6	L	P	R	T	T	R	L			
UniRef90_UPI0003F801DA	I	P	R	T	T	R	I	R	K	A
UniRef90_A5CMW5	L	P	R	T	T	R	L	R	A	A
UniRef90_A0A014NLF6	L	P	S	T	T	D	V	Q	V	C
UniRef90_K0HMP4	L	P	R	T	T	R				
UniRef90_R9C5R4	V	P	R	T	T	Q	I	S	E	
UniRef90_UPI00037F988E	L	P	R	T	T	R				
UniRef90_R9PJS9	I	S	R	T	T	K	L	E		
UniRef90_C1D7Y2	L	P	R	S	T	R	L	T	E	
UniRef90_UPI00037D6012	I	P	R	T	T	K	V	E	V	
UniRef90_UPI000318A5BF	I	P	R	T	T	I	T	E	V	
UniRef90_UPI00047DC16D	L	P	R	T	T	R	L	E		
UniRef90_UPI0003802B83	I	P	R	T	T	S	V	T	I	
UniRef90_UPI0004182EB5	I	P	R	T	T	K	V	E	V	A
UniRef90_C5T3J0	L	P	R	T	T	R	I			
UniRef90_UPI0002556825	L	P	R	S	T	H	V			
UniRef90_W4AV51	L	P	R	T	T	Q	I	S		
UniRef90_A3V7X9	L	P	R	S	T	R	V			
UniRef90_UPI00023761F5	L	P	R	T	A	R	I			
UniRef90_UPI00047B0398	L	P	R	S	T	R	I			
UniRef90_A0A024Q807	V	P	R	T	T	K	I	E	I	
UniRef90_B6WT56	L	P	R	T	T					
UniRef90_K8C369										
UniRef90_UPI0004699724	I	P	R	S	T	Q	I	D	V	
UniRef90_UPI00047CDA3E	I	P	R	T	T	K	I	T	I	
UniRef90_UPI000318880B	L	P	R	T	T	Q	I	S	V	

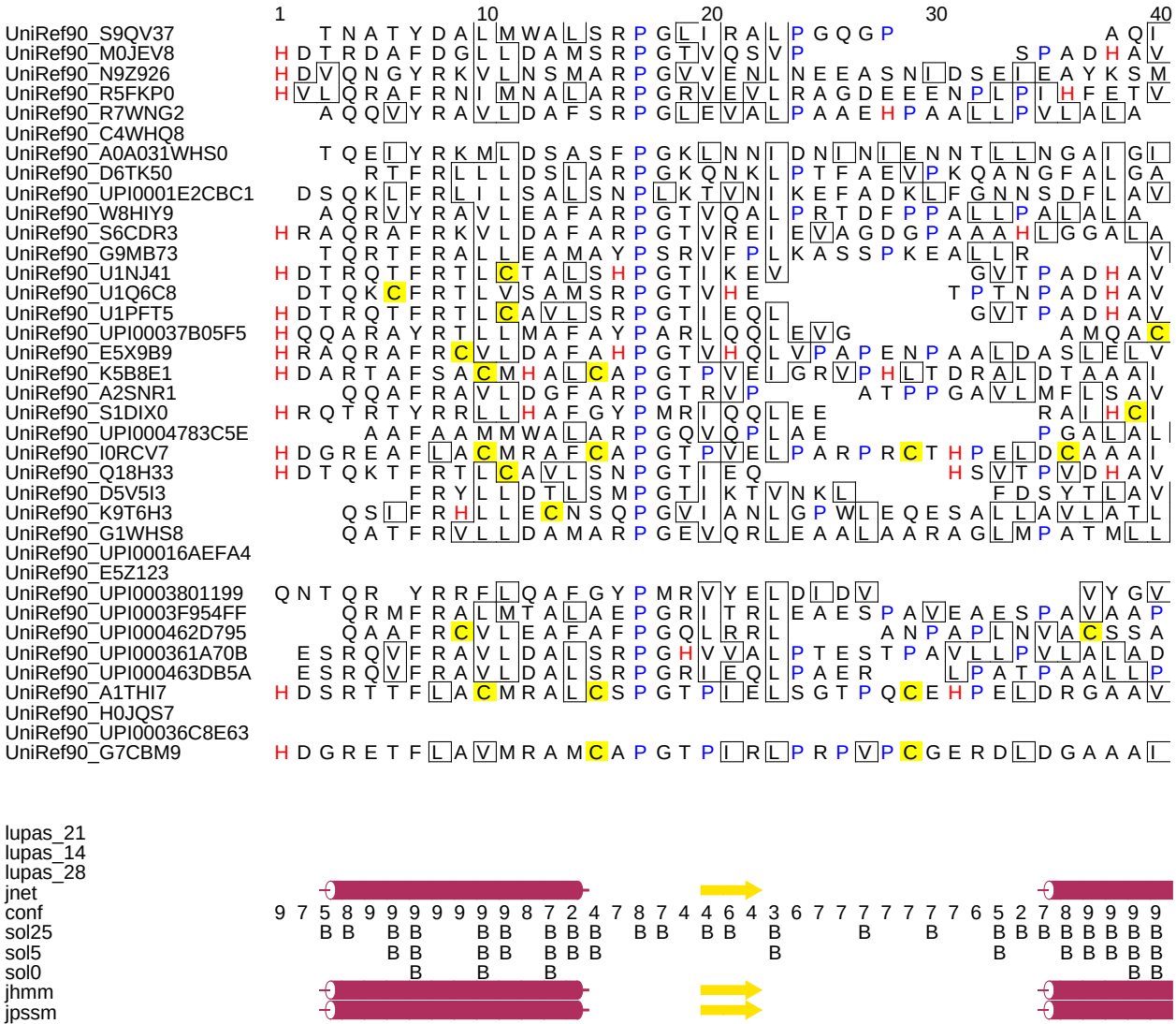

1
10
20
30
40
UniRef90_B7SUV9
UniRef90_UPI00030914CB
UniRef90_V5UG75
UniRef90_UPI00035FFC94
UniRef90_K6DCX3
UniRef90_UPI0003B4D89E
UniRef90_UPI0004157D5C
UniRef90_UPI00046336FF
UniRef90_UPI00037235A3
UniRef90_V7EKP7
UniRef90_I1ARX3
UniRef90_M7NC90
UniRef90_D0D4X2
UniRef90_I4X941
UniRef90_E2SK50
UniRef90_A0A021XB80
UniRef90_R6UNR7
UniRef90_S7VH65
UniRef90_C6DJX3
UniRef90_J8TRE2
UniRef90_E3J0D4
UniRef90_W7KUQ7
UniRef90_F6CNI9
UniRef90_UPI00031A7E0D
UniRef90_A3IUM2
UniRef90_UPI0003B580B3
UniRef90_M1PNU9
UniRef90_N9WAL0
UniRef90_R6I6C1
UniRef90_UPI0003B4B14D
UniRef90_UPI0003715 2BC
UniRef90_R4KCR0
UniRef90_V4JSW0
UniRef90_A1T0V3
UniRef90_F0YUX4
UniRef90_A6GN55
UniRef90_B5WKU0
UniRef90_L7L216
UniRef90_W4M9Z2
UniRef90_W7YA94
UniRef90_I2GCD6
UniRef90_E9VV97
UniRef90_A0A058ZGY3
UniRef90_E8LY22
UniRef90_C4GPJ4
UniRef90_K0VYE9
UniRef90_L9CCF6
UniRef90_B7JZV6
UniRef90_D5WWE9
UniRef90_Q31DV1
UniRef90_UPI00047DF760
UniRef90_A1WM36
UniRef90_O69066
UniRef90_K2JRD6
UniRef90_B0UIG7
UniRef90_X7EJF4
UniRef90_UPI000288ADF9
UniRef90_I3U8L9
UniRef90_V4IDR1
UniRef90_UPI0003492C6E
UniRef90_Q10V12
UniRef90_A0A037ZHI6
UniRef90_Q3SGK2
UniRef90_UPI000367C24E
UniRef90_A1TX55
UniRef90_B6BPP2
UniRef90_R7H4C8
UniRef90_D9SDE3
UniRef90_F7PHY7
UniRef90_L9XNW3
UniRef90_F3LH18
UniRef90_R6PUZ1
UniRef90_UPI000364FDAD
UniRef90_A5G2M0
UniRef90_G7VPR3
UniRef90_J2KVF2
UniRef90_R6H8R6
UniRef90_W6W6Q3
UniRef90_B8G9J7
UniRef90_R7CE43
UniRef90_A1U2Z8
UniRef90_K2QFS9
UniRef90_E1IFF1
UniRef90_B2TXB3
UniRef90_A5UTM9
UniRef90_A0A024KHT2
UniRef90_W1FVN1
UniRef90_T3D759
UniRef90_UPI000255903B
UniRef90_M1XPV9
UniRef90_Q2JPW2
UniRef90_A9WG30

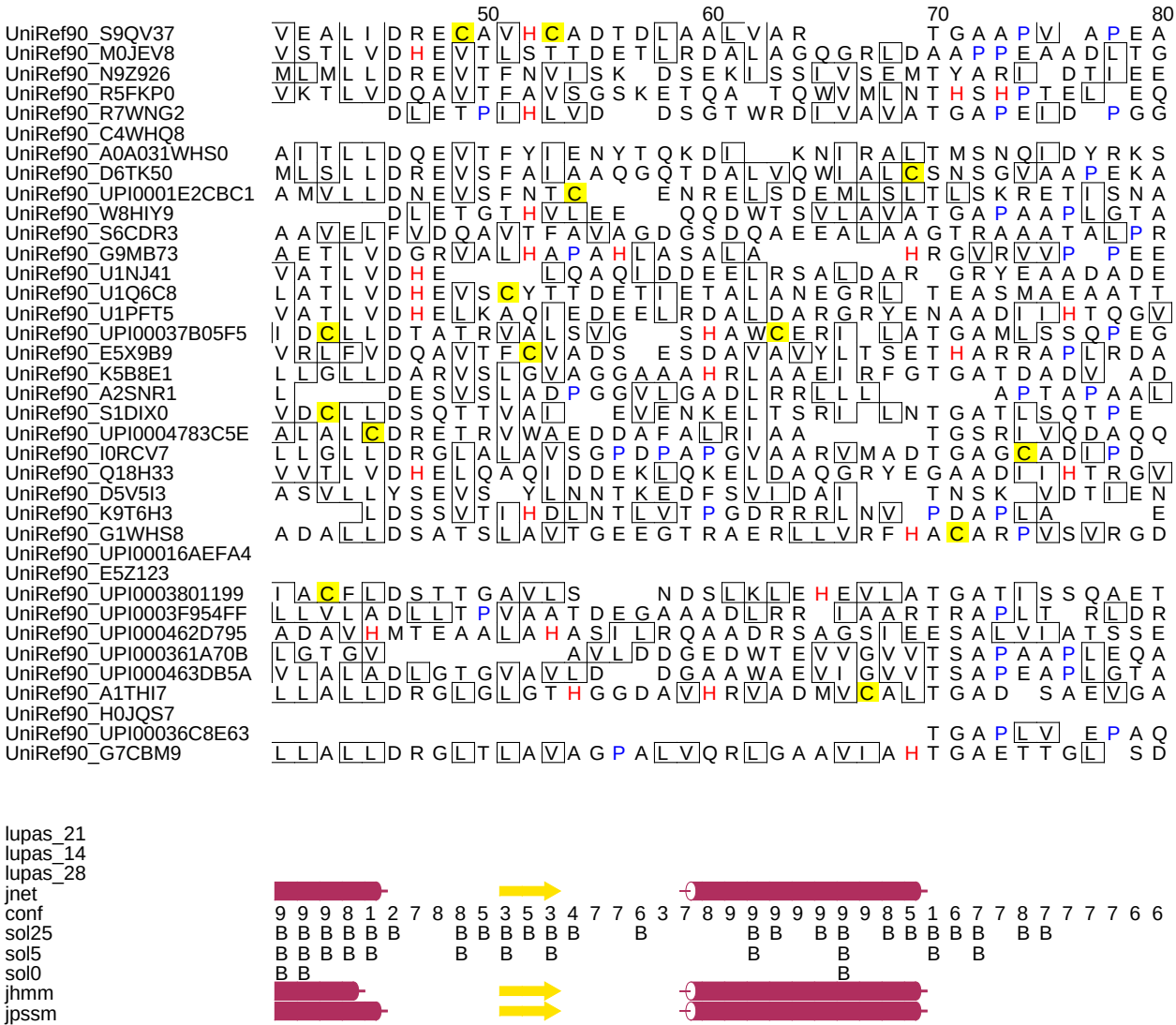

50
60
70
80
UniRef90_B7SUV9
UniRef90_UPI00030914CB
UniRef90_V5UG75
UniRef90_UPI00035FFC94
UniRef90_K6DCX3
UniRef90_UPI0003B4D89E
UniRef90_UPI0004157D5C
UniRef90_UPI00046336FF
UniRef90_UPI00037235A3
UniRef90_V7EKP7
UniRef90_I1ARX3
UniRef90_M7NC90
UniRef90_D0D4X2
UniRef90_I4X941
UniRef90_E2SK50
UniRef90_A0A021XB80
UniRef90_R6UNR7
UniRef90_S7VH65
UniRef90_C6DJX3
UniRef90_J8TRE2
UniRef90_E3J0D4
UniRef90_W7KUQ7
UniRef90_F6CNI9
UniRef90_UPI00031A7E0D
UniRef90_A3IUM2
UniRef90_UPI0003B580B3
UniRef90_M1PNU9
UniRef90_N9WAL0
UniRef90_R6I6C1
UniRef90_UPI0003B4B14D
UniRef90_UPI000037152BC
UniRef90_R4KCR0
UniRef90_V4JSW0
UniRef90_A1T0V3
UniRef90_F0YUX4
UniRef90_A6GN55
UniRef90_B5WKU0
UniRef90_L7L216
UniRef90_W4M9Z2
UniRef90_W7YA94
UniRef90_I2GCD6
UniRef90_E9VV97
UniRef90_A0A058ZGY3
UniRef90_E8LY22
UniRef90_C4GPJ4
UniRef90_K0VYE9
UniRef90_L9CCF6
UniRef90_B7JZV6
UniRef90_D5WWE9
UniRef90_Q31DV1
UniRef90_UPI00047DF760
UniRef90_A1WM36
UniRef90_O69066
UniRef90_K2JRD6
UniRef90_B0UIG7
UniRef90_X7EJF4
UniRef90_UPI000288ADF9
UniRef90_I3U8L9
UniRef90_V4IDR1
UniRef90_UPI0003492C6E
UniRef90_Q10V12
UniRef90_A0A037ZHI6
UniRef90_Q3SGK2
UniRef90_UPI000367C24E
UniRef90_A1TX55
UniRef90_B6BPP2
UniRef90_R7H4C8
UniRef90_D9SDE3
UniRef90_F7PHY7
UniRef90_L9XNW3
UniRef90_F3LH18
UniRef90_R6PUZ1
UniRef90_UPI000364FDAD
UniRef90_A5G2M0
UniRef90_G7VPR3
UniRef90_J2KVF2
UniRef90_R6H8R6
UniRef90_W6W6Q3
UniRef90_B8G9J7
UniRef90_R7CE43
UniRef90_A1U2Z8
UniRef90_K2QFS9
UniRef90_E1IFF1
UniRef90_B2TXB3
UniRef90_A5UTM9
UniRef90_A0A024KHT2
UniRef90_W1FVN1
UniRef90_T3D759
UniRef90_UPI000255903B
UniRef90_M1XPV9
UniRef90_Q2JPW2
UniRef90_A9WG30

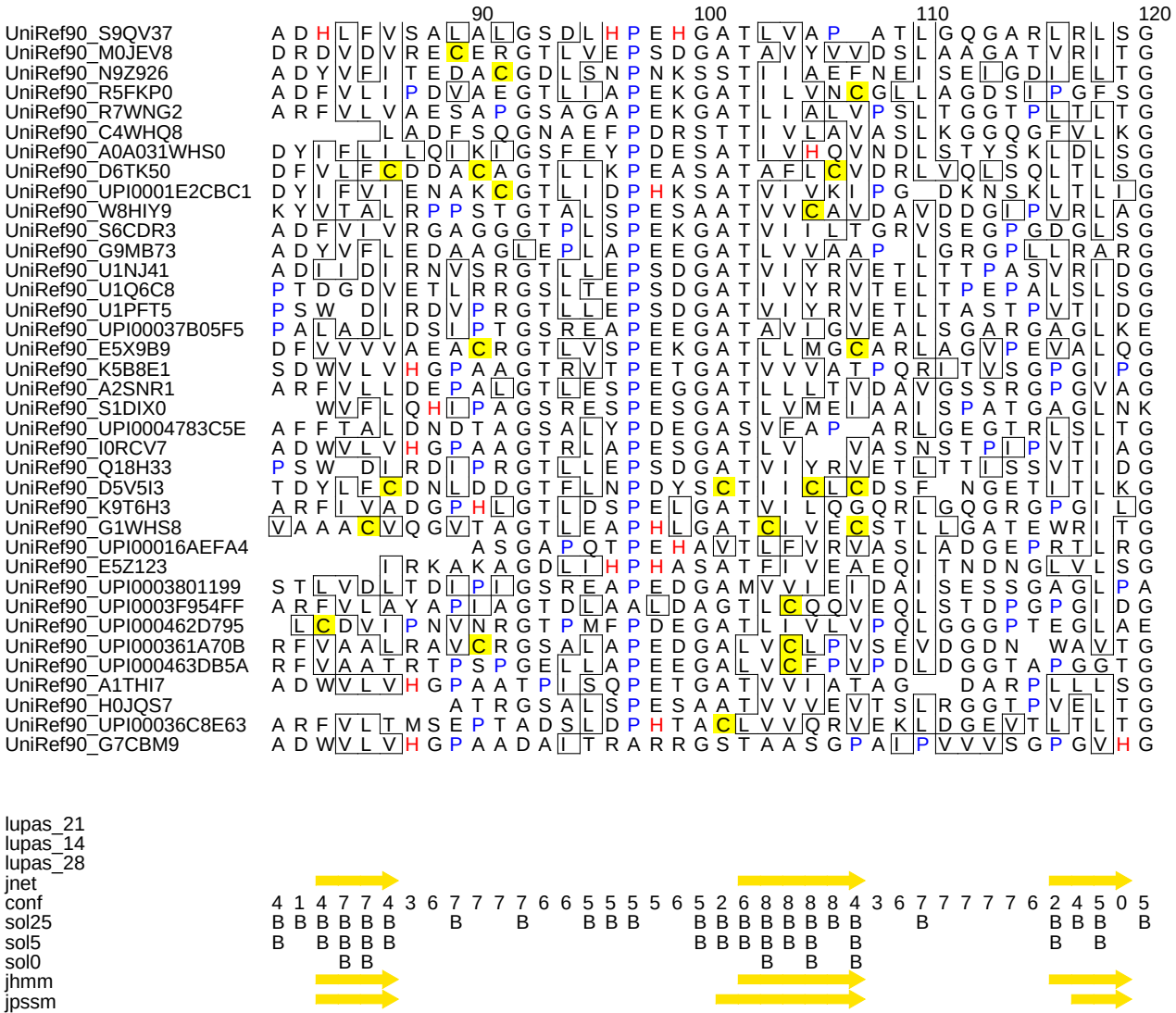

90
100
110
120
UniRef90_B7SUV9
UniRef90_UPI00030914CB
UniRef90_V5UG75
UniRef90_UPI00035FFC94
UniRef90_K6DCX3
UniRef90_UPI0003B4D89E
UniRef90_UPI0004157D5C
UniRef90_UPI00046336FF
UniRef90_UPI00037235A3
UniRef90_V7EKP7
UniRef90_I1ARX3
UniRef90_M7NC90
UniRef90_D0D4X2
UniRef90_I4X941
UniRef90_E2SK50
UniRef90_A0A021XB80
UniRef90_R6UNR7
UniRef90_S7VH65
UniRef90_C6DJX3
UniRef90_J8TRE2
UniRef90_E3J0D4
UniRef90_W7KUQ7
UniRef90_F6CNI9
UniRef90_UPI00031A7E0D
UniRef90_A3IUM2
UniRef90_UPI0003B580B3
UniRef90_M1PNU9
UniRef90_N9WAL0
UniRef90_R6I6C1
UniRef90_UPI0003B4B14D
UniRef90_UPI000037152BC
UniRef90_R4KCR0
UniRef90_V4JSW0
UniRef90_A1T0V3
UniRef90_F0YUX4
UniRef90_A6GN55
UniRef90_B5WKU0
UniRef90_L7L216
UniRef90_W4M9Z2
UniRef90_W7YA94
UniRef90_I2GCD6
UniRef90_E9VV97
UniRef90_A0A058ZGY3
UniRef90_E8LY22
UniRef90_C4GPJ4
UniRef90_K0VYE9
UniRef90_L9CCF6
UniRef90_B7JZV6
UniRef90_D5WWE9
UniRef90_Q31DV1
UniRef90_UPI00047DF760
UniRef90_A1WM36
UniRef90_O69066
UniRef90_K2JRD6
UniRef90_B0UIG7
UniRef90_X7EJF4
UniRef90_UPI000288ADF9
UniRef90_I3U8L9
UniRef90_V4IDR1
UniRef90_UPI0003492C6E
UniRef90_Q10V12
UniRef90_A0A037ZHI6
UniRef90_Q3SGK2
UniRef90_UPI000367C24E
UniRef90_A1TX55
UniRef90_B6BPP2
UniRef90_R7H4C8
UniRef90_D9SDE3
UniRef90_F7PHY7
UniRef90_L9XNW3
UniRef90_F3LH18
UniRef90_R6PUZ1
UniRef90_UPI000364FDAD
UniRef90_A5G2M0
UniRef90_G7VPR3
UniRef90_J2KVF2
UniRef90_R6H8R6
UniRef90_W6W6Q3
UniRef90_B8G9J7
UniRef90_R7CE43
UniRef90_A1U2Z8
UniRef90_K2QFS9
UniRef90_E1IFF1
UniRef90_B2TXB3
UniRef90_A5UTM9
UniRef90_A0A024KHT2
UniRef90_W1FVN1
UniRef90_T3D759
UniRef90_UPI000255903B
UniRef90_M1XPV9
UniRef90_Q2JPW2
UniRef90_A9WG30

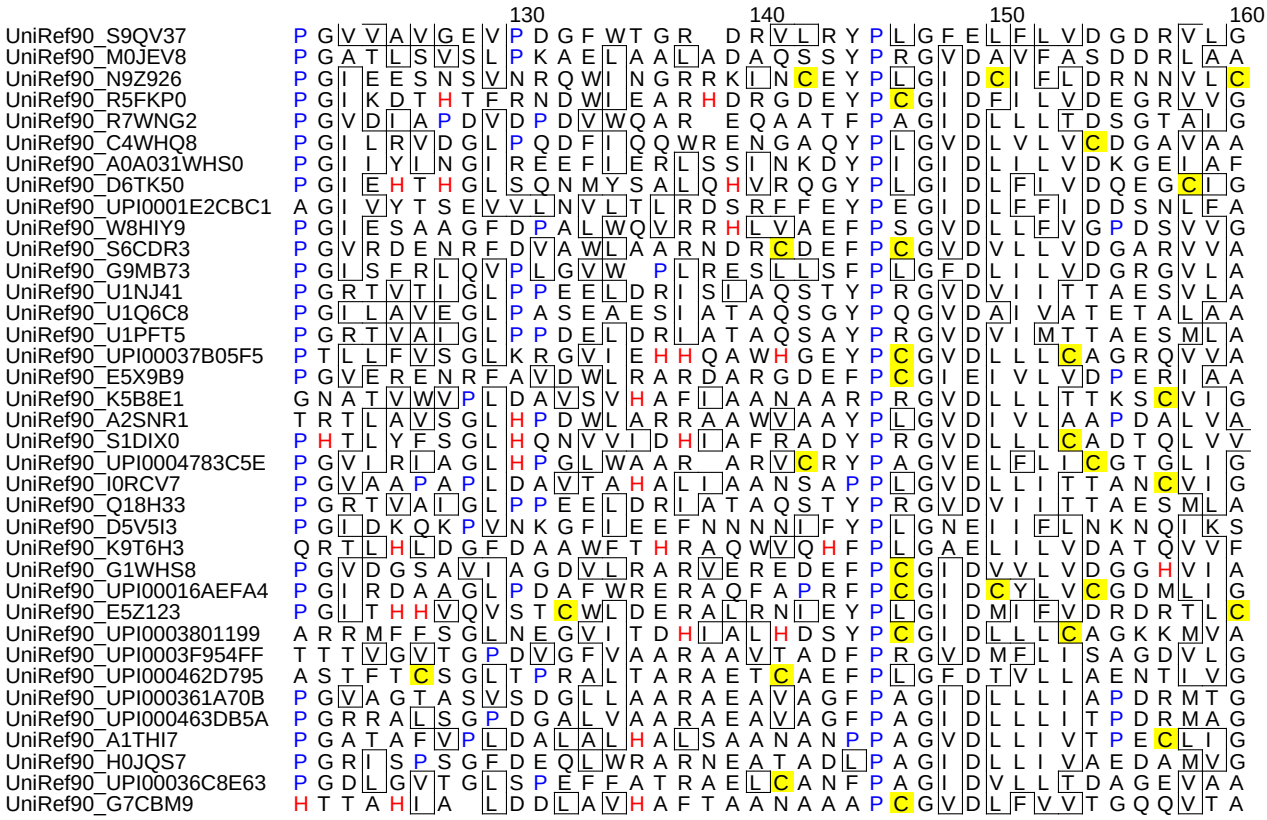

130
140
150
160
UniRef90_B7SUV9
UniRef90_UPI00030914CB
UniRef90_V5UG75
UniRef90_UPI00035FFC94
UniRef90_K6DCX3
UniRef90_UPI0003B4D89E
UniRef90_UPI0004157D5C
UniRef90_UPI00046336FF
UniRef90_UPI00037235A3
UniRef90_V7EKP7
UniRef90_I1ARX3
UniRef90_M7NC90
UniRef90_D0D4X2
UniRef90_I4X941
UniRef90_E2SK50
UniRef90_A0A021XB80
UniRef90_R6UNR7
UniRef90_S7VH65
UniRef90_C6DJX3
UniRef90_J8TRE2
UniRef90_E3J0D4
UniRef90_W7KUQ7
UniRef90_F6CNI9
UniRef90_UPI00031A7E0D
UniRef90_A3IUM2
UniRef90_UPI0003B580B3
UniRef90_M1PNU9
UniRef90_N9WAL0
UniRef90_R6I6C1
UniRef90_UPI0003B4B14D
UniRef90_UPI000037152BC
UniRef90_R4KCR0
UniRef90_V4JSW0
UniRef90_A1T0V3
UniRef90_F0YUX4
UniRef90_A6GN55
UniRef90_B5WKU0
UniRef90_L7L216
UniRef90_W4M9Z2
UniRef90_W7YA94
UniRef90_I2GCD6
UniRef90_E9VV97
UniRef90_A0A058ZGY3
UniRef90_E8LY22
UniRef90_C4GPJ4
UniRef90_K0VYE9
UniRef90_L9CCF6
UniRef90_B7JZV6
UniRef90_D5WWE9
UniRef90_Q31DV1
UniRef90_UPI00047DF760
UniRef90_A1WM36
UniRef90_O69066
UniRef90_K2JRD6
UniRef90_B0UIG7
UniRef90_X7EJF4
UniRef90_UPI000288ADF9
UniRef90_I3U8L9
UniRef90_V4IDR1
UniRef90_UPI0003492C6E
UniRef90_Q10V12
UniRef90_A0A037ZHI6
UniRef90_Q3SGK2
UniRef90_UPI000367C24E
UniRef90_A1TX55
UniRef90_B6BPP2
UniRef90_R7H4C8
UniRef90_D9SDE3
UniRef90_F7PHY7
UniRef90_L9XNW3
UniRef90_F3LH18
UniRef90_R6PUZ1
UniRef90_UPI000364FDAD
UniRef90_A5G2M0
UniRef90_G7VPR3
UniRef90_J2KVF2
UniRef90_R6H8R6
UniRef90_W6W6Q3
UniRef90_B8G9J7
UniRef90_R7CE43
UniRef90_A1U2Z8
UniRef90_K2QFS9
UniRef90_E1IFF1
UniRef90_B2TXB3
UniRef90_A5UTM9
UniRef90_A0A024KHT2
UniRef90_W1FVN1
UniRef90_T3D759
UniRef90_UPI000255903B
UniRef90_M1XPV9
UniRef90_Q2JPW2
UniRef90_A9WG30

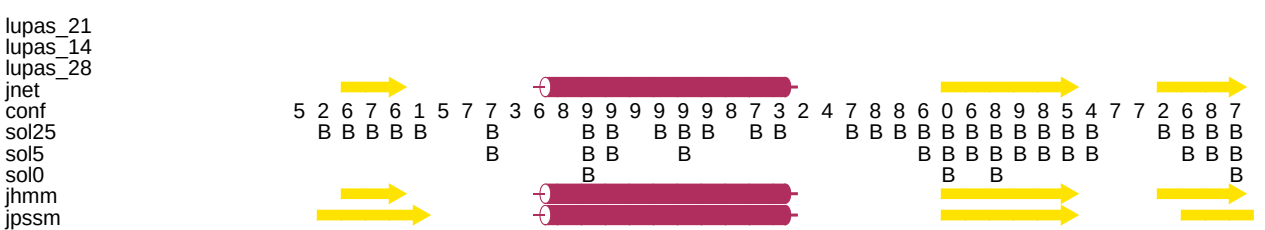

UniRef90_B7SUV9 L P R S I S I
UniRef90_UPI00030914CB V P R T T Q I S V
UniRef90_V5UG75 L P R T T H V E V C
UniRef90_UPI00035FFC94 L P R T T Q V Q
UniRef90_K6DCX3 L P R T T Q I K
UniRef90_UPI0003B4D89E I P R S T K I N I
UniRef90_UPI0004157D5C I P R T S K V E V
UniRef90_UPI00046336FF L P R T T Q R E A
UniRef90_UPI00037235A3 I P R T T V I K M C
UniRef90_V7EKP7 L P R S T I V
UniRef90_I1ARX3 L P R S T K V E
UniRef90_M7NC90 I P R T T A I S A
UniRef90_D0D4X2 L P R T S V V E A
UniRef90_I4X941 L P R T V
UniRef90_E2SK50 L P R T T Q V E
UniRef90_A0A021XB80 L P R S V R L E I
UniRef90_R6UNR7 L P R T T Q V E
UniRef90_S7VH65 L P R S A R I
UniRef90_C6DJX3 I P R S T H V E E C
UniRef90_J8TRE2 I P R T T K V E
UniRef90_E3J0D4 L P R T T H L T A A
UniRef90_W7KUQ7 L P R T T Q I T E
UniRef90_F6CNI9 I P R S S S M T W C
UniRef90_UPI00031A7E0D I P R T T H V E V C
UniRef90_A3IUM2 L P R T T I I S
UniRef90_UPI0003B580B3 L P R S N R
UniRef90_M1PNU9 L P R T T S V E
UniRef90_N9WAL0 I P R T T K I E V C
UniRef90_R6I6C1 I P R K T R I E
UniRef90_UPI0003B4B14D I P R T T R I K I
UniRef90_UPI00037152BC L P R T I K V A I
UniRef90_R4KCR0 L P R A T K V
UniRef90_V4JSW0 L P R T T R V E V
UniRef90_A1T0V3 L P R T T K V E I
UniRef90_F0YUX4 I P R
UniRef90_A6GN55 L P R T T Q V Q
UniRef90_B5WKU0 L P R T I K I A V
UniRef90_L7L216 L P R T T R L
UniRef90_W4M9Z2 L P R S V H E E E
UniRef90_W7YA94 I P R S
UniRef90_I2GCD6 I P R S N R
UniRef90_E9VV97
UniRef90_A0A058ZGY3 L P R S T Q V
UniRef90_E8LY22 I P R T T K I E V
UniRef90_C4GPJ4
UniRef90_K0VYE9 L P R T T K I T A
UniRef90_L9CCF6
UniRef90_B7JZV6 L P R T T H L E W
UniRef90_D5WWE9 V P R S T S L E W
UniRef90_Q31DV1 L P R T T K I E V
UniRef90_UPI00047DF760 V P R T S V L S W
UniRef90_A1WM36 L P R T T R I
UniRef90_O69066 L P R T T H I
UniRef90_K2JRD6 L P R S T K V E
UniRef90_B0UIG7 L P R S T R V T E
UniRef90_X7EJF4 L P R S T R L
UniRef90_UPI000288ADF9 I P R T T R M K V
UniRef90_I3U8L9
UniRef90_V4IDR1 L P R S T Q I K V C
UniRef90_UPI0003492C6E I P R T T H I Q I
UniRef90_Q10V12 I P R T T Q
UniRef90_A0A037ZHI6 I P R S T Q V E V
UniRef90_Q3SGK2 L P R T T R
UniRef90_UPI000367C24E V P R S T K F S W
UniRef90_A1TX55 L P R T T Q I S
UniRef90_B6BPP2 I P R S L K I
UniRef90_R7H4C8 I P R
UniRef90_D9SDE3 M P R T T Q I T I
UniRef90_F7PHY7 V P R S V S L E V A
UniRef90_L9XNW3 L P R S V P M E V
UniRef90_F3LH18 L P R S T V I
UniRef90_R6PUZ1 I P R M V K K E E
UniRef90_UPI000364FDAD L P R S T R I E V
UniRef90_A5G2M0 L P R S L S I E E A
UniRef90_G7VPR3 L P R T T K I K E
UniRef90_J2KVF2 I P R S T K I E V
UniRef90_R6H8R6 L P R T T R I E
UniRef90_W6W6Q3 F P R S T E I E V
UniRef90_B8G9J7 L P R T T Q I E V
UniRef90_R7CE43 I P R T T K I
UniRef90_A1U2Z8 L P R T T L I E
UniRef90_K2QFS9 L P R S T T V E V
UniRef90_E1IFF1 L P R T T T V E V
UniRef90_B2TXB3
UniRef90_A5UTM9 L P R T V Q I
UniRef90_A0A024KHT2 I P R S T Q V E V
UniRef90_W1FVN1 I P R T T H V E V C
UniRef90_T3D759 I P R S S K L S W
UniRef90_UPI000255903B L P R S T T V T E
UniRef90_M1XPV9 I P R S V A L E V A
UniRef90_Q2JPW2 L P R S V E V
UniRef90_A9WG30 I P R T T R I

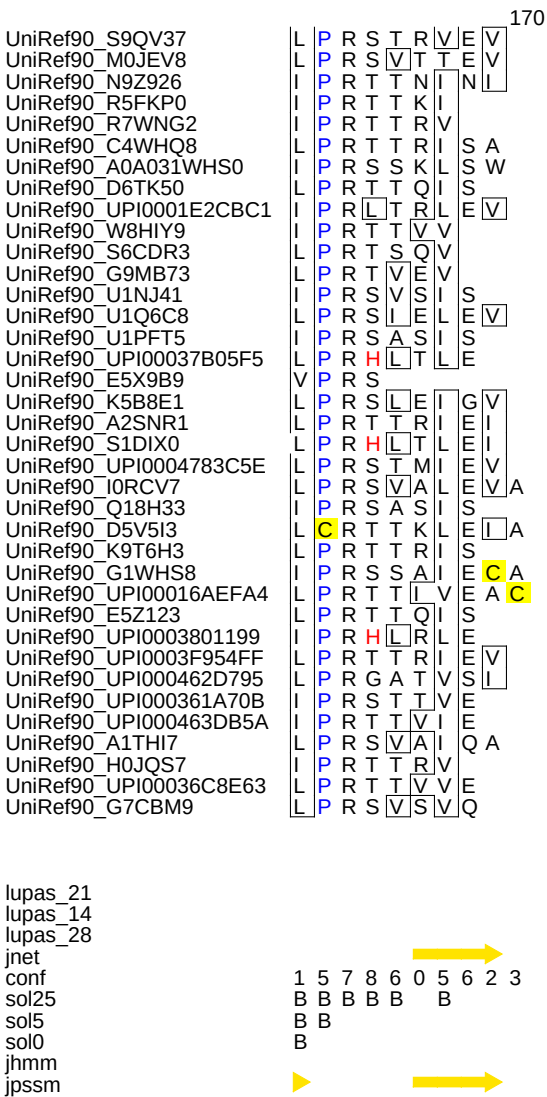

1
10
20
30
40
UniRef90_S9QV37
UniRef90_M0JEV8
UniRef90_N9Z926
UniRef90_R5FKP0
UniRef90_R7WNG2
UniRef90_C4WHQ8
UniRef90_A0A031WHS0
UniRef90_D6TK50
UniRef90_UPI0001E2CBC1
UniRef90_W8HIY9
UniRef90_S6CDR3
UniRef90_G9MB73
UniRef90_U1NJ41
UniRef90_U1Q6C8
UniRef90_U1PFT5
UniRef90_UPI00037B05F5
UniRef90_E5X9B9
UniRef90_K5B8E1
UniRef90_A2SNR1
UniRef90_S1DIX0
UniRef90_UPI0004783C5E
UniRef90_I0RCV7
UniRef90_Q18H33
UniRef90_D5V5I3
UniRef90_K9T6H3
UniRef90_G1WHS8
UniRef90_UPI00016AEFA4
UniRef90_E5Z123
UniRef90_UPI0003801199
UniRef90_UPI0003F954FF
UniRef90_UPI000462D795
UniRef90_UPI000361A70B
UniRef90_UPI000463DB5A
UniRef90_A1THI7
UniRef90_H0JQS7
UniRef90_UPI00036C8E63
UniRef90_G7CBM9
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


50
60
70
80
UniRef90_S9QV37
UniRef90_M0JEV8
UniRef90_N9Z926
UniRef90_R5FKP0
UniRef90_R7WNG2
UniRef90_C4WHQ8
UniRef90_A0A031WHS0
UniRef90_D6TK50
UniRef90_UPI0001E2CBC1
UniRef90_W8HIY9
UniRef90_S6CDR3
UniRef90_G9MB73
UniRef90_U1NJ41
UniRef90_U1Q6C8
UniRef90_U1PFT5
UniRef90_UPI00037B05F5
UniRef90_E5X9B9
UniRef90_K5B8E1
UniRef90_A2SNR1
UniRef90_S1DIX0
UniRef90_UPI0004783C5E
UniRef90_I0RCV7
UniRef90_Q18H33
UniRef90_D5V5I3
UniRef90_K9T6H3
UniRef90_G1WHS8
UniRef90_UPI00016AEFA4
UniRef90_E5Z123
UniRef90_UPI0003801199
UniRef90_UPI0003F954FF
UniRef90_UPI000462D795
UniRef90_UPI000361A70B
UniRef90_UPI000463DB5A
UniRef90_A1THI7
UniRef90_H0JQS7
UniRef90_UPI00036C8E63
UniRef90_G7CBM9
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


90
100
110
120
UniRef90_S9QV37
UniRef90_M0JEV8
UniRef90_N9Z926
UniRef90_R5FKP0
UniRef90_R7WNG2
UniRef90_C4WHQ8
UniRef90_A0A031WHS0
UniRef90_D6TK50
UniRef90_UPI0001E2CBC1
UniRef90_W8HIY9
UniRef90_S6CDR3
UniRef90_G9MB73
UniRef90_U1NJ41
UniRef90_U1Q6C8
UniRef90_U1PFT5
UniRef90_UPI00037B05F5
UniRef90_E5X9B9
UniRef90_K5B8E1
UniRef90_A2SNR1
UniRef90_S1DIX0
UniRef90_UPI0004783C5E
UniRef90_I0RCV7
UniRef90_Q18H33
UniRef90_D5V5I3
UniRef90_K9T6H3
UniRef90_G1WHS8
UniRef90_UPI00016AEFA4
UniRef90_E5Z123
UniRef90_UPI0003801199
UniRef90_UPI0003F954FF
UniRef90_UPI000462D795
UniRef90_UPI000361A70B
UniRef90_UPI000463DB5A
UniRef90_A1THI7
UniRef90_H0JQS7
UniRef90_UPI00036C8E63
UniRef90_G7CBM9
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


130
140
150
160
UniRef90_S9QV37
UniRef90_M0JEV8
UniRef90_N9Z926
UniRef90_R5FKP0
UniRef90_R7WNG2
UniRef90_C4WHQ8
UniRef90_A0A031WHS0
UniRef90_D6TK50
UniRef90_UPI0001E2CBC1
UniRef90_W8HIY9
UniRef90_S6CDR3
UniRef90_G9MB73
UniRef90_U1NJ41
UniRef90_U1Q6C8
UniRef90_U1PFT5
UniRef90_UPI00037B05F5
UniRef90_E5X9B9
UniRef90_K5B8E1
UniRef90_A2SNR1
UniRef90_S1DIX0
UniRef90_UPI0004783C5E
UniRef90_I0RCV7
UniRef90_Q18H33
UniRef90_D5V5I3
UniRef90_K9T6H3
UniRef90_G1WHS8
UniRef90_UPI00016AEFA4
UniRef90_E5Z123
UniRef90_UPI0003801199
UniRef90_UPI0003F954FF
UniRef90_UPI000462D795
UniRef90_UPI000361A70B
UniRef90_UPI000463DB5A
UniRef90_A1THI7
UniRef90_H0JQS7
UniRef90_UPI00036C8E63
UniRef90_G7CBM9


lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


170
UniRef90_S9QV37 L P R S T R V E V
UniRef90_M0JEV8 L P R S V T T E V
UniRef90_N9Z926 I P R T T N I N I
UniRef90_R5FKP0 I P R T T K I
UniRef90_R7WNG2 I P R T T R V
UniRef90_C4WHQ8 L P R T T R I S A
UniRef90_A0A031WHS0 I P R S S K L S W
UniRef90_D6TK50 L P R T T Q I S
UniRef90_UPI0001E2CBC1 I P R L T R L E V
UniRef90_W8HIY9 I P R T T V V
UniRef90_S6CDR3 L P R T S Q V
UniRef90_G9MB73 L P R T V E V
UniRef90_U1NJ41 I P R S V S I S
UniRef90_U1Q6C8 L P R S I E L E V
UniRef90_U1PFT5 I P R S A S I S
UniRef90_UPI00037B05F5 L P R H L T L E
UniRef90_E5X9B9 V P R S
UniRef90_K5B8E1 L P R S L E I G V
UniRef90_A2SNR1 L P R T T R I E I
UniRef90_S1DIX0 L P R H L T L E I
UniRef90_UPI0004783C5E L P R S T M I E V
UniRef90_I0RCV7 L P R S V A L E V A
UniRef90_Q18H33 I P R S A S I S
UniRef90_D5V5I3 L C R T T K L E I A
UniRef90_K9T6H3 L P R T T R I S
UniRef90_G1WHS8 I P R S S A I E C A
UniRef90_UPI00016AEFA4 L P R T T I V E A C
UniRef90_E5Z123 L P R T T Q I S
UniRef90_UPI0003801199 I P R H L R L E
UniRef90_UPI0003F954FF L P R T T R I E V
UniRef90_UPI000462D795 L P R G A T V S I
UniRef90_UPI000361A70B I P R S T T V E
UniRef90_UPI000463DB5A I P R T T V I E
UniRef90_A1THI7 L P R S V A I Q A
UniRef90_H0JQS7 I P R T T R V
UniRef90_UPI00036C8E63 L P R T T V V E
UniRef90_G7CBM9 L P R S V S V Q
lupas_21
lupas_14
lupas_28
jnet
conf 1 5 7 8 6 0 5 6 2 3
sol25 B B B B B B
sol5 B B
sol0 B
jhmm
jpssm