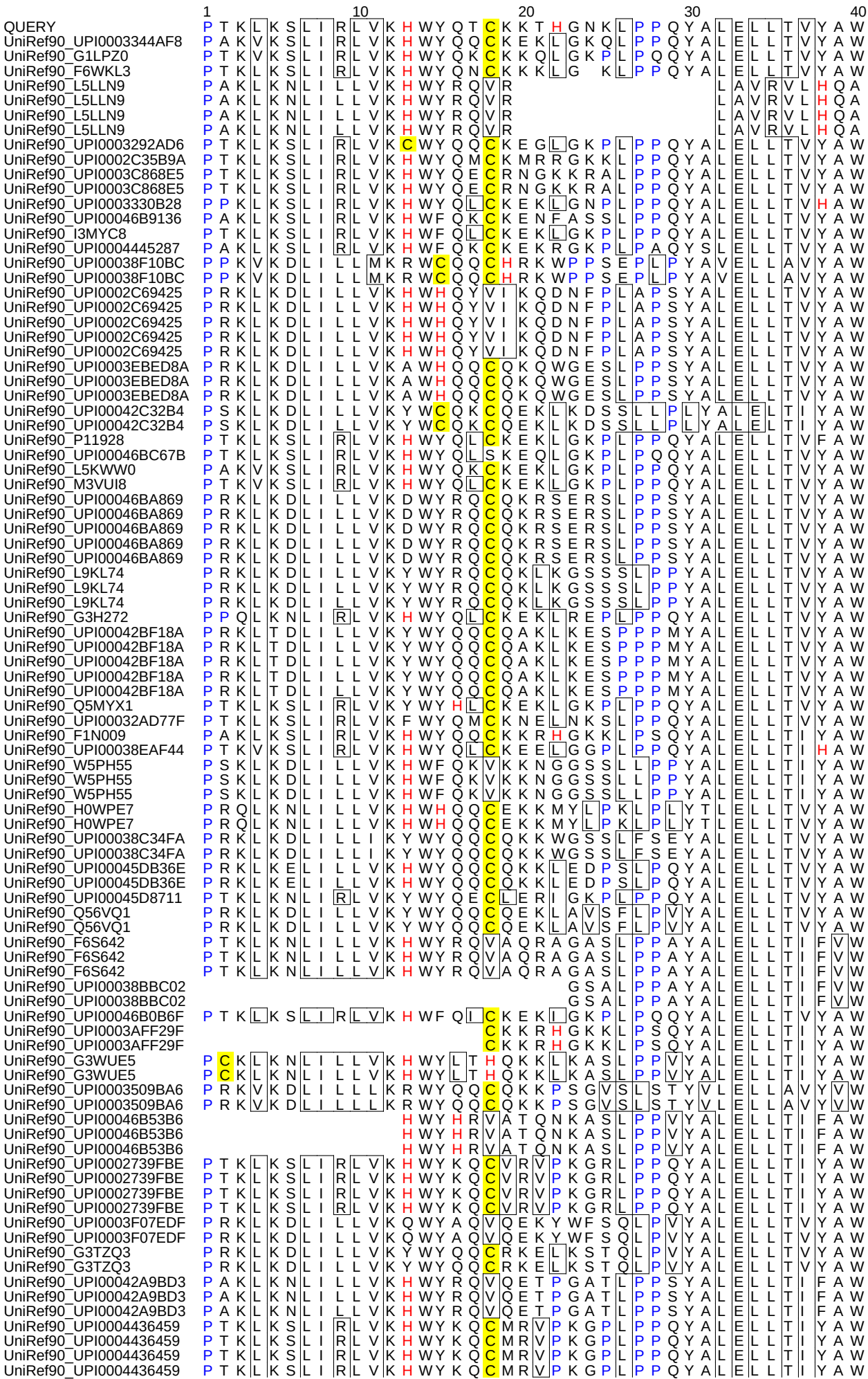
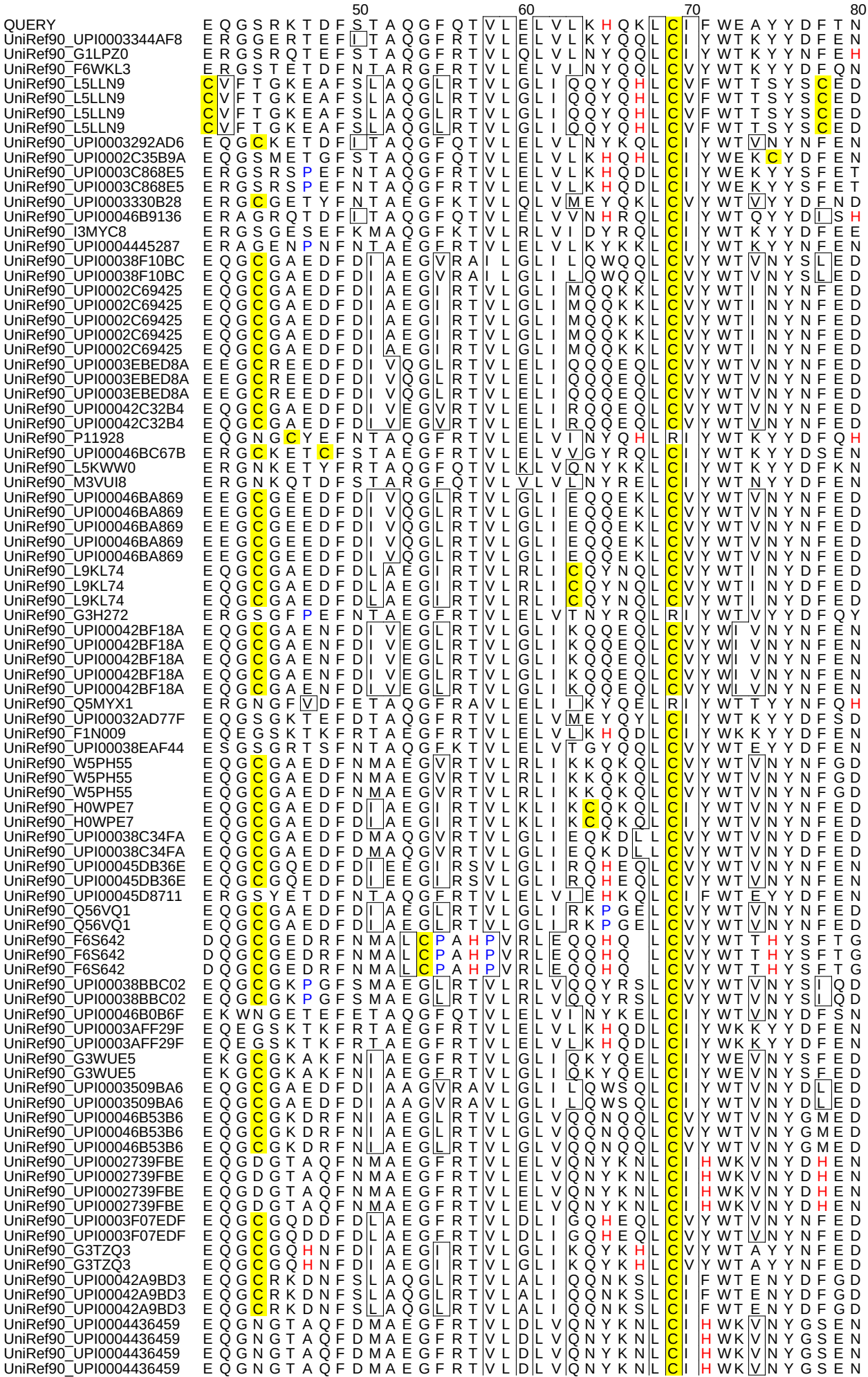
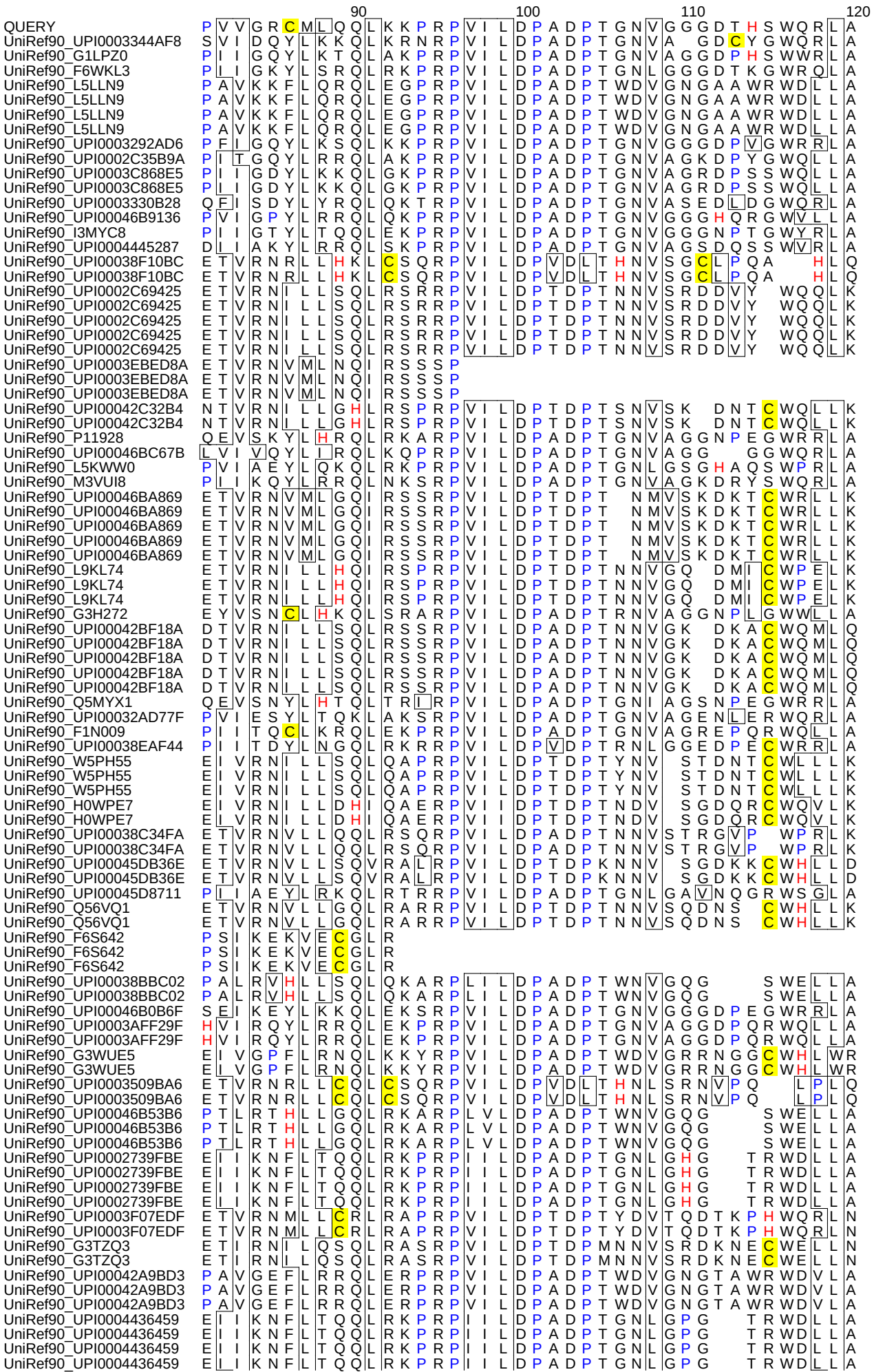
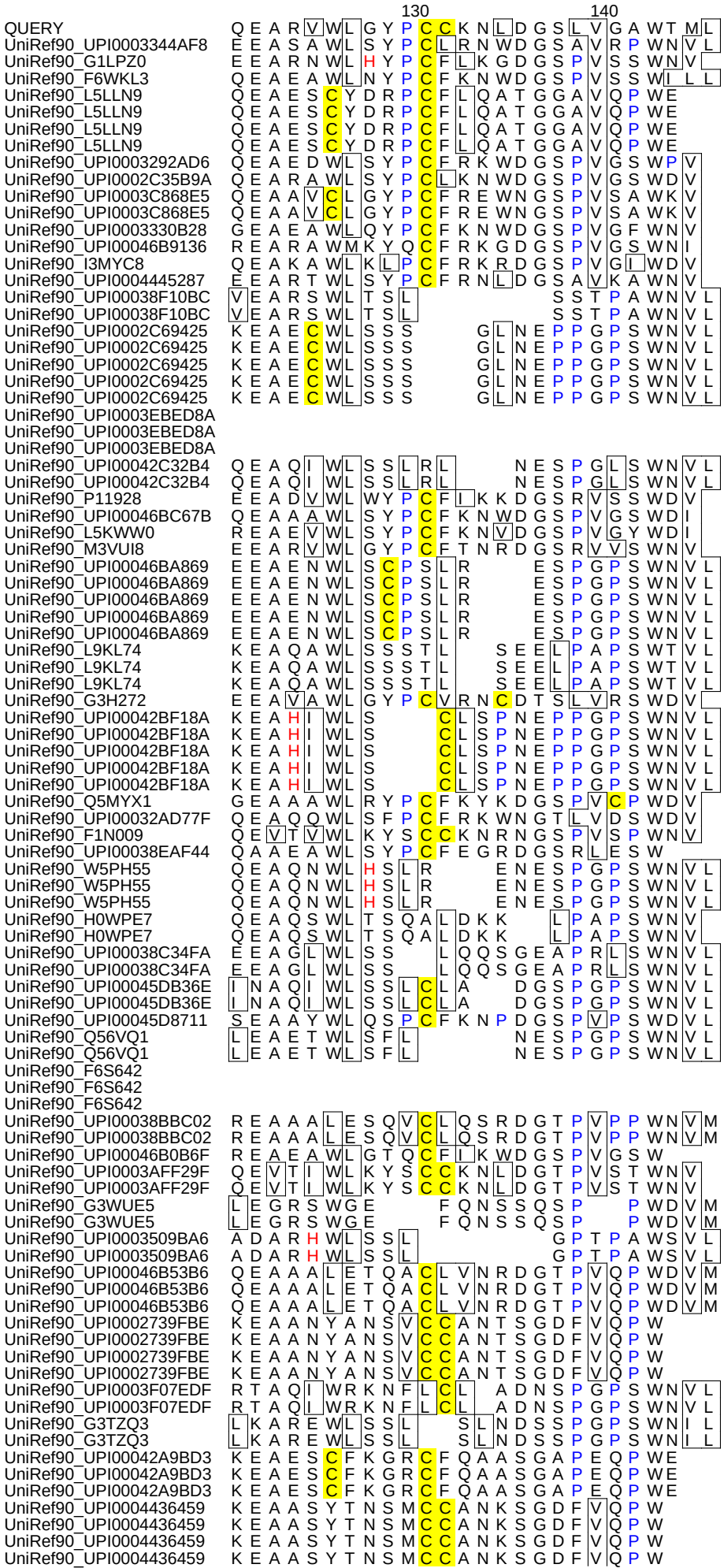
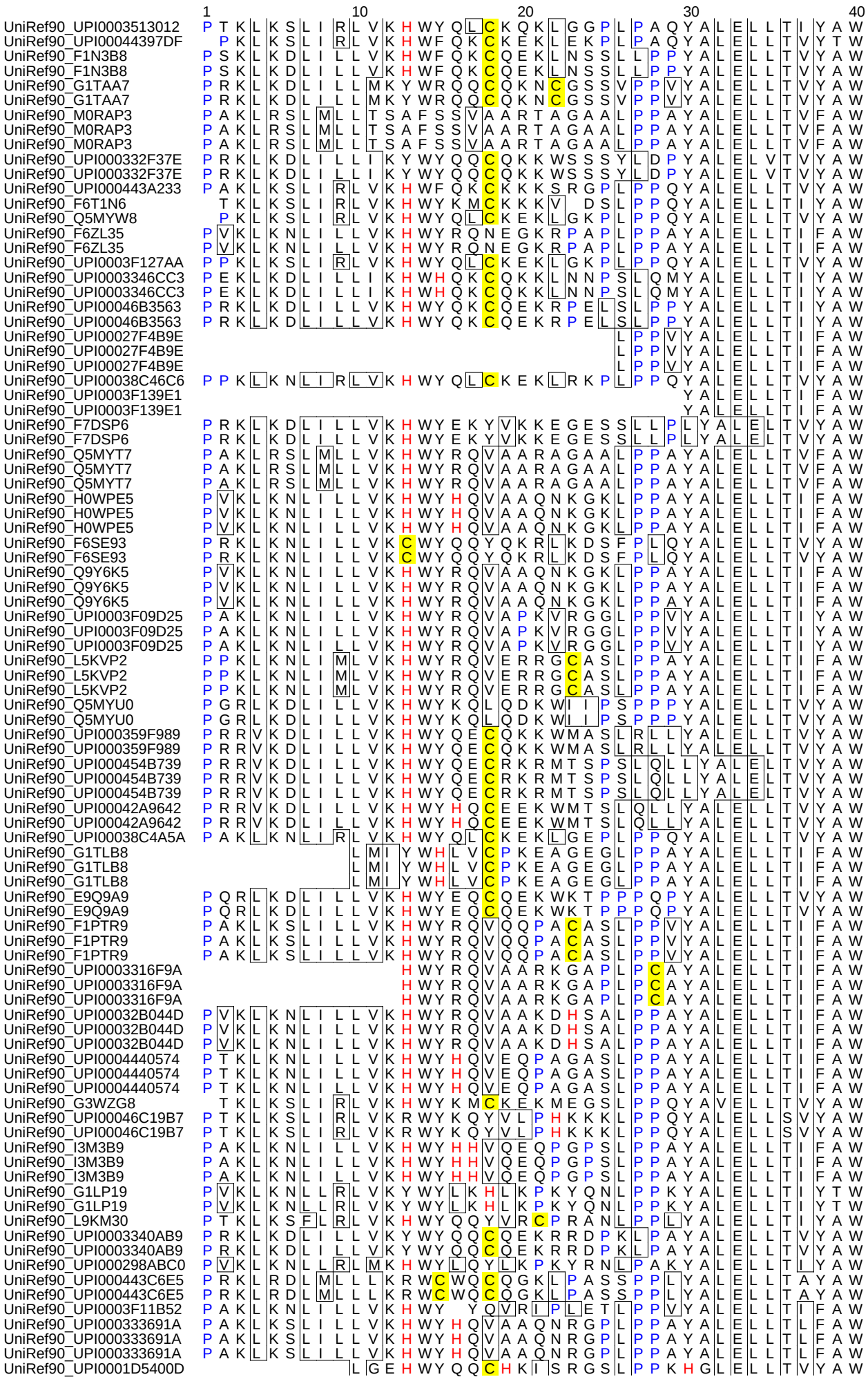
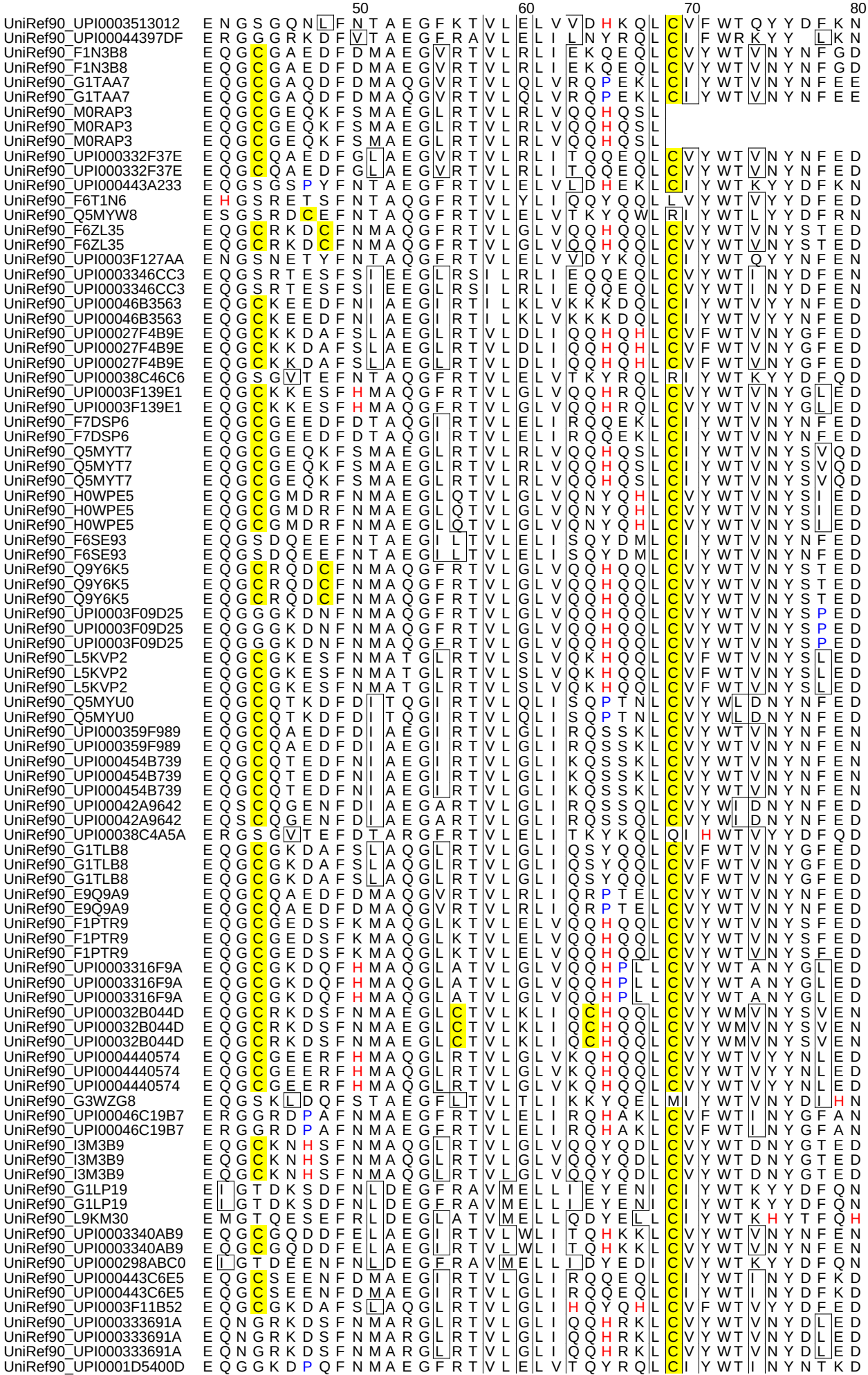

1
10
20
30
40
QUERY
UniRef90_UPI0003344AF8
UniRef90_G1LPZ0
UniRef90_F6WKL3
UniRef90_L5LLN9
UniRef90_L5LLN9
UniRef90_L5LLN9
UniRef90_L5LLN9
UniRef90_UPI0003292AD6
UniRef90_UPI0002C35B9A
UniRef90_UPI0003C868E5
UniRef90_UPI0003C868E5
UniRef90_UPI0003330B28
UniRef90_UPI00046B9136
UniRef90_I3MYC8
UniRef90_UPI0004445287
UniRef90_UPI00038F10BC
UniRef90_UPI00038F10BC
UniRef90_UPI0002C69425
UniRef90_UPI0002C69425
UniRef90_UPI0002C69425
UniRef90_UPI0002C69425
UniRef90_UPI0002C69425
UniRef90_UPI0003EBED8A
UniRef90_UPI0003EBED8A
UniRef90_UPI0003EBED8A
UniRef90_UPI00042C32B4
UniRef90_UPI00042C32B4
UniRef90_P11928
UniRef90_UPI00046BC67B
UniRef90_L5KWW0
UniRef90_M3VUI8
UniRef90_UPI00046BA869
UniRef90_UPI00046BA869
UniRef90_UPI00046BA869
UniRef90_UPI00046BA869
UniRef90_UPI00046BA869
UniRef90_L9KL74
UniRef90_L9KL74
UniRef90_L9KL74
UniRef90_G3H272
UniRef90_UPI00042BF18A
UniRef90_UPI00042BF18A
UniRef90_UPI00042BF18A
UniRef90_UPI00042BF18A
UniRef90_UPI00042BF18A
UniRef90_Q5MYX1
UniRef90_UPI00032AD77F
UniRef90_F1N009
UniRef90_UPI00038EAF44
UniRef90_W5PH55
UniRef90_W5PH55
UniRef90_W5PH55
UniRef90_H0WPE7
UniRef90_H0WPE7
UniRef90_UPI00038C34FA
UniRef90_UPI00038C34FA
UniRef90_UPI00045DB36E
UniRef90_UPI00045DB36E
UniRef90_UPI00045D8711
UniRef90_Q56VQ1
UniRef90_Q56VQ1
UniRef90_F6S642
UniRef90_F6S642
UniRef90_F6S642
UniRef90_UPI00038BBC02
UniRef90_UPI00038BBC02
UniRef90_UPI00046B0B6F
UniRef90_UPI0003AFF29F
UniRef90_UPI0003AFF29F
UniRef90_G3WUE5
UniRef90_G3WUE5
UniRef90_UPI0003509BA6
UniRef90_UPI0003509BA6
UniRef90_UPI00046B53B6
UniRef90_UPI00046B53B6
UniRef90_UPI00046B53B6
UniRef90_UPI0002739FBE
UniRef90_UPI0002739FBE
UniRef90_UPI0002739FBE
UniRef90_UPI0002739FBE
UniRef90_UPI0003F07EDF
UniRef90_UPI0003F07EDF
UniRef90_G3TZQ3
UniRef90_G3TZQ3
UniRef90_UPI00042A9BD3
UniRef90_UPI00042A9BD3
UniRef90_UPI00042A9BD3
UniRef90_UPI0004436459
UniRef90_UPI0004436459
UniRef90_UPI0004436459
UniRef90_UPI0004436459

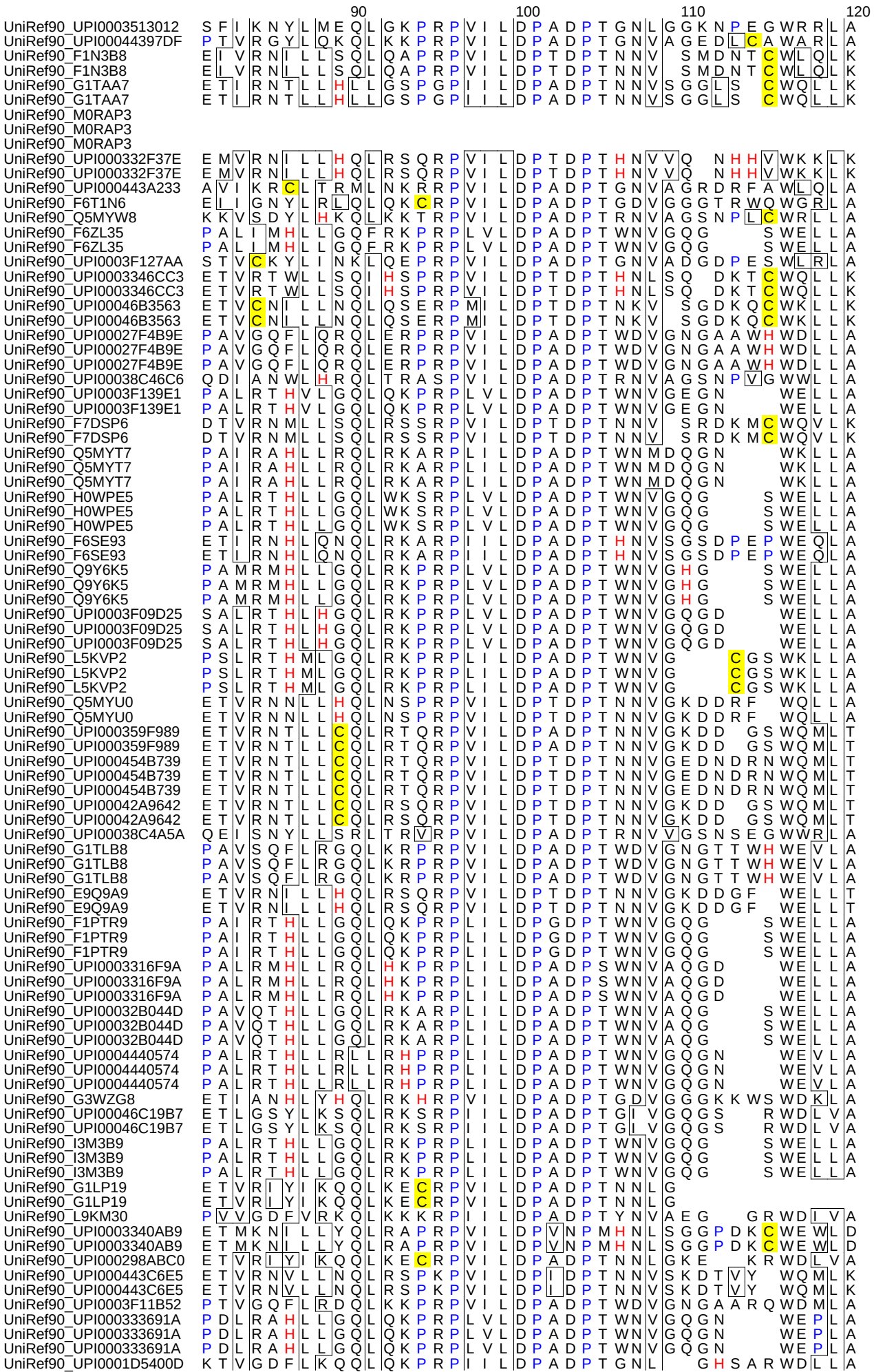

50
60
70
80
QUERY
UniRef90_UPI0003344AF8
UniRef90_G1LPZ0
UniRef90_F6WKL3
UniRef90_L5LLN9
UniRef90_L5LLN9
UniRef90_L5LLN9
UniRef90_L5LLN9
UniRef90_UPI0003292AD6
UniRef90_UPI0002C35B9A
UniRef90_UPI0003C868E5
UniRef90_UPI0003C868E5
UniRef90_UPI0003330B28
UniRef90_UPI00046B9136
UniRef90_I3MYC8
UniRef90_UPI0004445287
UniRef90_UPI00038F10BC
UniRef90_UPI00038F10BC
UniRef90_UPI0002C69425
UniRef90_UPI0002C69425
UniRef90_UPI0002C69425
UniRef90_UPI0002C69425
UniRef90_UPI0002C69425
UniRef90_UPI0003EBED8A
UniRef90_UPI0003EBED8A
UniRef90_UPI0003EBED8A
UniRef90_UPI00042C32B4
UniRef90_UPI00042C32B4
UniRef90_P11928
UniRef90_UPI00046BC67B
UniRef90_L5KWW0
UniRef90_M3VUI8
UniRef90_UPI00046BA869
UniRef90_UPI00046BA869
UniRef90_UPI00046BA869
UniRef90_UPI00046BA869
UniRef90_UPI00046BA869
UniRef90_L9KL74
UniRef90_L9KL74
UniRef90_L9KL74
UniRef90_G3H272
UniRef90_UPI00042BF18A
UniRef90_UPI00042BF18A
UniRef90_UPI00042BF18A
UniRef90_UPI00042BF18A
UniRef90_UPI00042BF18A
UniRef90_Q5MYX1
UniRef90_UPI00032AD77F
UniRef90_F1N009
UniRef90_UPI00038EAF44
UniRef90_W5PH55
UniRef90_W5PH55
UniRef90_W5PH55
UniRef90_H0WPE7
UniRef90_H0WPE7
UniRef90_UPI00038C34FA
UniRef90_UPI00038C34FA
UniRef90_UPI00045DB36E
UniRef90_UPI00045DB36E
UniRef90_UPI00045D8711
UniRef90_Q56VQ1
UniRef90_Q56VQ1
UniRef90_F6S642
UniRef90_F6S642
UniRef90_F6S642
UniRef90_UPI00038BBC02
UniRef90_UPI00038BBC02
UniRef90_UPI00046B0B6F
UniRef90_UPI0003AFF29F
UniRef90_UPI0003AFF29F
UniRef90_G3WUE5
UniRef90_G3WUE5
UniRef90_UPI0003509BA6
UniRef90_UPI0003509BA6
UniRef90_UPI00046B53B6
UniRef90_UPI00046B53B6
UniRef90_UPI00046B53B6
UniRef90_UPI0002739FBE
UniRef90_UPI0002739FBE
UniRef90_UPI0002739FBE
UniRef90_UPI0002739FBE
UniRef90_UPI0003F07EDF
UniRef90_UPI0003F07EDF
UniRef90_G3TZQ3
UniRef90_G3TZQ3
UniRef90_UPI00042A9BD3
UniRef90_UPI00042A9BD3
UniRef90_UPI00042A9BD3
UniRef90_UPI0004436459
UniRef90_UPI0004436459
UniRef90_UPI0004436459
UniRef90_UPI0004436459

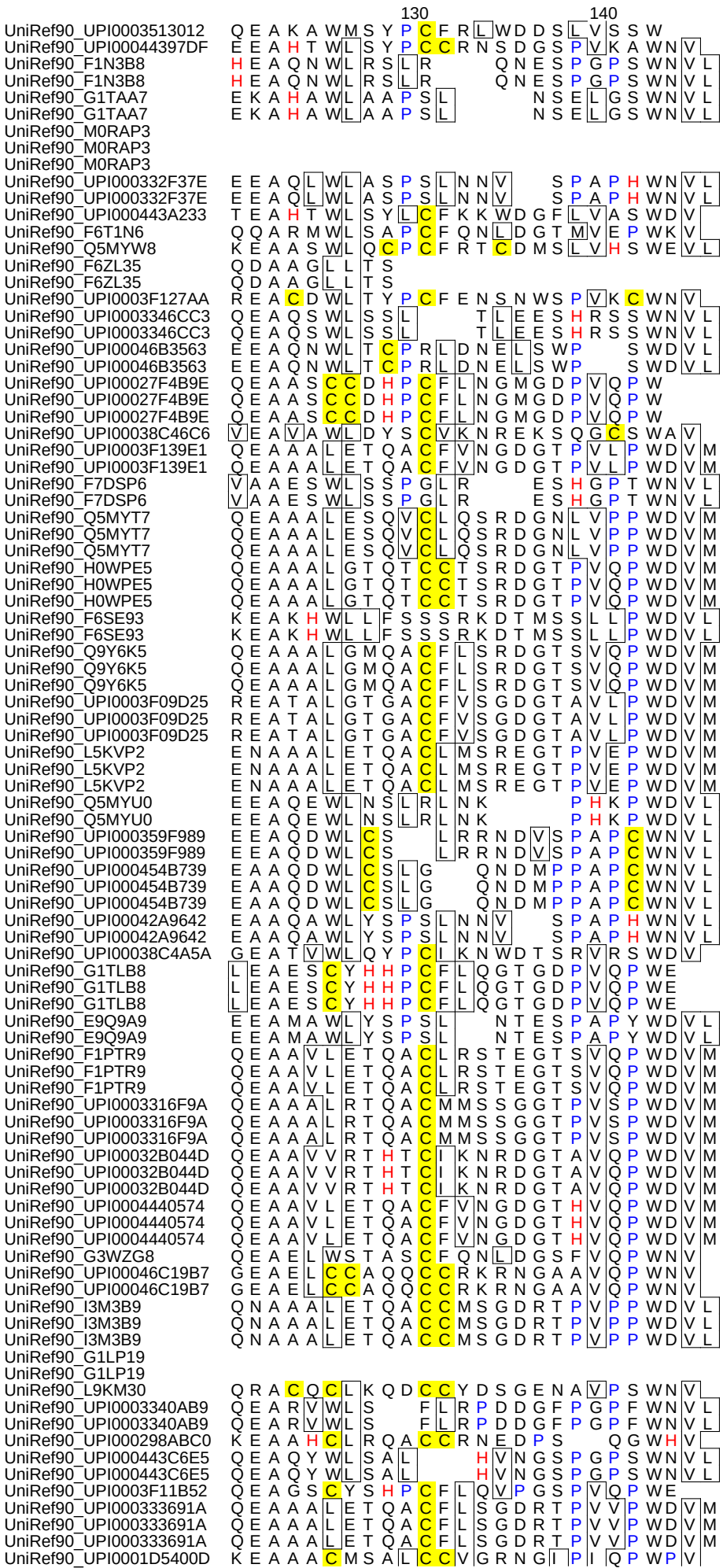

90
100
110
120
QUERY
UniRef90_UPI0003344AF8
UniRef90_G1LPZ0
UniRef90_F6WKL3
UniRef90_L5LLN9
UniRef90_L5LLN9
UniRef90_L5LLN9
UniRef90_L5LLN9
UniRef90_UPI0003292AD6
UniRef90_UPI0002C35B9A
UniRef90_UPI0003C868E5
UniRef90_UPI0003C868E5
UniRef90_UPI0003330B28
UniRef90_UPI00046B9136
UniRef90_I3MYC8
UniRef90_UPI0004445287
UniRef90_UPI00038F10BC
UniRef90_UPI00038F10BC
UniRef90_UPI0002C69425
UniRef90_UPI0002C69425
UniRef90_UPI0002C69425
UniRef90_UPI0002C69425
UniRef90_UPI0002C69425
UniRef90_UPI0003EBED8A
UniRef90_UPI0003EBED8A
UniRef90_UPI0003EBED8A
UniRef90_UPI00042C32B4
UniRef90_UPI00042C32B4
UniRef90_P11928
UniRef90_UPI00046BC67B
UniRef90_L5KWW0
UniRef90_M3VUI8
UniRef90_UPI00046BA869
UniRef90_UPI00046BA869
UniRef90_UPI00046BA869
UniRef90_UPI00046BA869
UniRef90_UPI00046BA869
UniRef90_L9KL74
UniRef90_L9KL74
UniRef90_L9KL74
UniRef90_G3H272
UniRef90_UPI00042BF18A
UniRef90_UPI00042BF18A
UniRef90_UPI00042BF18A
UniRef90_UPI00042BF18A
UniRef90_UPI00042BF18A
UniRef90_Q5MYX1
UniRef90_UPI00032AD77F
UniRef90_F1N009
UniRef90_UPI00038EAF44
UniRef90_W5PH55
UniRef90_W5PH55
UniRef90_W5PH55
UniRef90_H0WPE7
UniRef90_H0WPE7
UniRef90_UPI00038C34FA
UniRef90_UPI00038C34FA
UniRef90_UPI00045DB36E
UniRef90_UPI00045DB36E
UniRef90_UPI00045D8711
UniRef90_Q56VQ1
UniRef90_Q56VQ1
UniRef90_F6S642
UniRef90_F6S642
UniRef90_F6S642
UniRef90_UPI00038BBC02
UniRef90_UPI00038BBC02
UniRef90_UPI00046B0B6F
UniRef90_UPI0003AFF29F
UniRef90_UPI0003AFF29F
UniRef90_G3WUE5
UniRef90_G3WUE5
UniRef90_UPI0003509BA6
UniRef90_UPI0003509BA6
UniRef90_UPI00046B53B6
UniRef90_UPI00046B53B6
UniRef90_UPI00046B53B6
UniRef90_UPI0002739FBE
UniRef90_UPI0002739FBE
UniRef90_UPI0002739FBE
UniRef90_UPI0002739FBE
UniRef90_UPI0003F07EDF
UniRef90_UPI0003F07EDF
UniRef90_G3TZQ3
UniRef90_G3TZQ3
UniRef90_UPI00042A9BD3
UniRef90_UPI00042A9BD3
UniRef90_UPI00042A9BD3
UniRef90_UPI0004436459
UniRef90_UPI0004436459
UniRef90_UPI0004436459
UniRef90_UPI0004436459

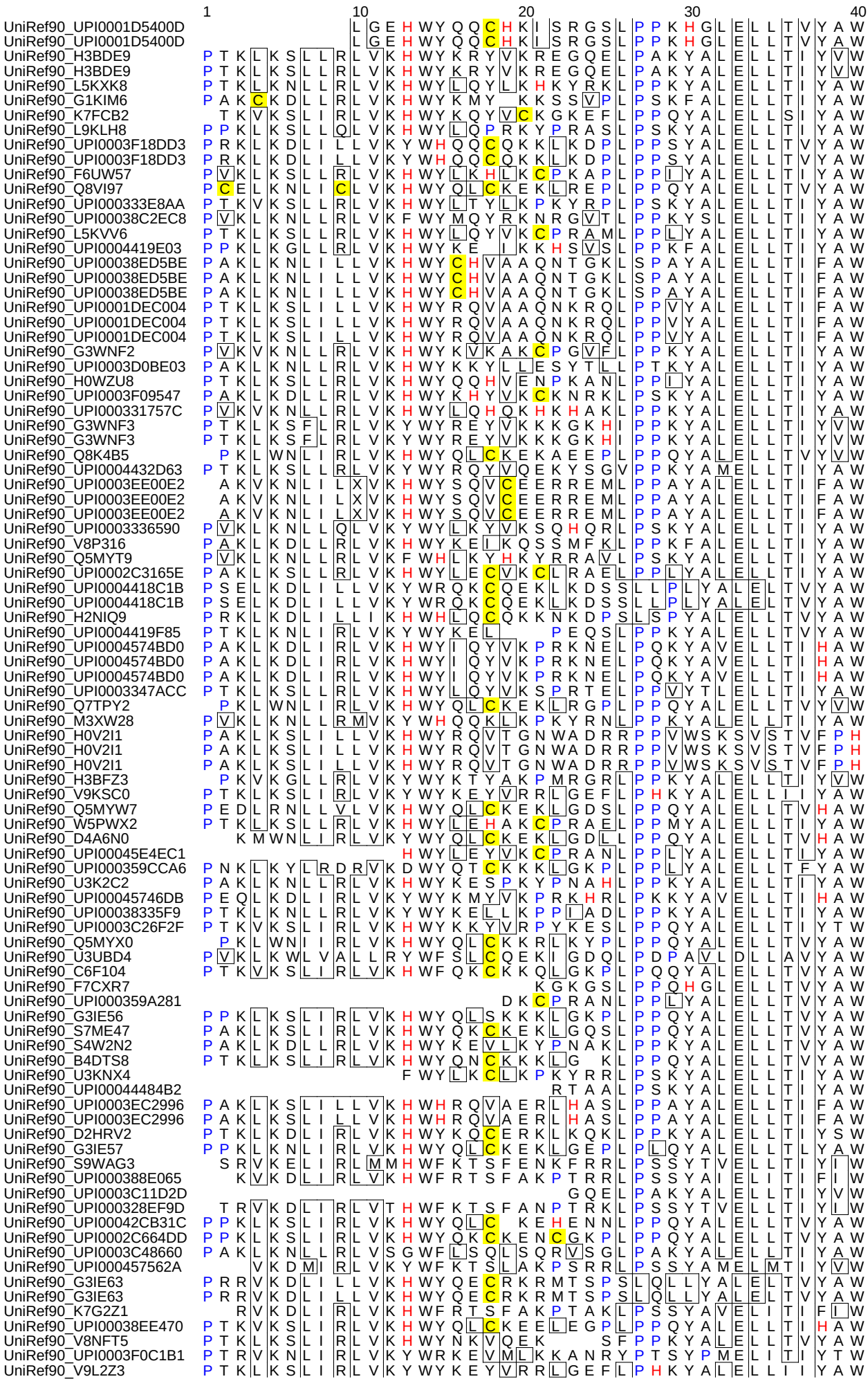

130
140
QUERY
UniRef90_UPI0003344AF8
UniRef90_G1LPZ0
UniRef90_F6WKL3
UniRef90_L5LLN9
UniRef90_L5LLN9
UniRef90_L5LLN9
UniRef90_L5LLN9
UniRef90_UPI0003292AD6
UniRef90_UPI0002C35B9A
UniRef90_UPI0003C868E5
UniRef90_UPI0003C868E5
UniRef90_UPI0003330B28
UniRef90_UPI00046B9136
UniRef90_I3MYC8
UniRef90_UPI0004445287
UniRef90_UPI00038F10BC
UniRef90_UPI00038F10BC
UniRef90_UPI0002C69425
UniRef90_UPI0002C69425
UniRef90_UPI0002C69425
UniRef90_UPI0002C69425
UniRef90_UPI0002C69425
UniRef90_UPI0003EBED8A
UniRef90_UPI0003EBED8A
UniRef90_UPI0003EBED8A
UniRef90_UPI00042C32B4
UniRef90_UPI00042C32B4
UniRef90_P11928
UniRef90_UPI00046BC67B
UniRef90_L5KWW0
UniRef90_M3VUI8
UniRef90_UPI00046BA869
UniRef90_UPI00046BA869
UniRef90_UPI00046BA869
UniRef90_UPI00046BA869
UniRef90_UPI00046BA869
UniRef90_L9KL74
UniRef90_L9KL74
UniRef90_L9KL74
UniRef90_G3H272
UniRef90_UPI00042BF18A
UniRef90_UPI00042BF18A
UniRef90_UPI00042BF18A
UniRef90_UPI00042BF18A
UniRef90_UPI00042BF18A
UniRef90_Q5MYX1
UniRef90_UPI00032AD77F
UniRef90_F1N009
UniRef90_UPI00038EAF44
UniRef90_W5PH55
UniRef90_W5PH55
UniRef90_W5PH55
UniRef90_H0WPE7
UniRef90_H0WPE7
UniRef90_UPI00038C34FA
UniRef90_UPI00038C34FA
UniRef90_UPI00045DB36E
UniRef90_UPI00045DB36E
UniRef90_UPI00045D8711
UniRef90_Q56VQ1
UniRef90_Q56VQ1
UniRef90_F6S642
UniRef90_F6S642
UniRef90_F6S642
UniRef90_UPI00038BBC02
UniRef90_UPI00038BBC02
UniRef90_UPI00046B0B6F
UniRef90_UPI0003AFF29F
UniRef90_UPI0003AFF29F
UniRef90_G3WUE5
UniRef90_G3WUE5
UniRef90_UPI0003509BA6
UniRef90_UPI0003509BA6
UniRef90_UPI00046B53B6
UniRef90_UPI00046B53B6
UniRef90_UPI00046B53B6
UniRef90_UPI0002739FBE
UniRef90_UPI0002739FBE
UniRef90_UPI0002739FBE
UniRef90_UPI0002739FBE
UniRef90_UPI0003F07EDF
UniRef90_UPI0003F07EDF
UniRef90_G3TZQ3
UniRef90_G3TZQ3
UniRef90_UPI00042A9BD3
UniRef90_UPI00042A9BD3
UniRef90_UPI00042A9BD3
UniRef90_UPI0004436459
UniRef90_UPI0004436459
UniRef90_UPI0004436459
UniRef90_UPI0004436459

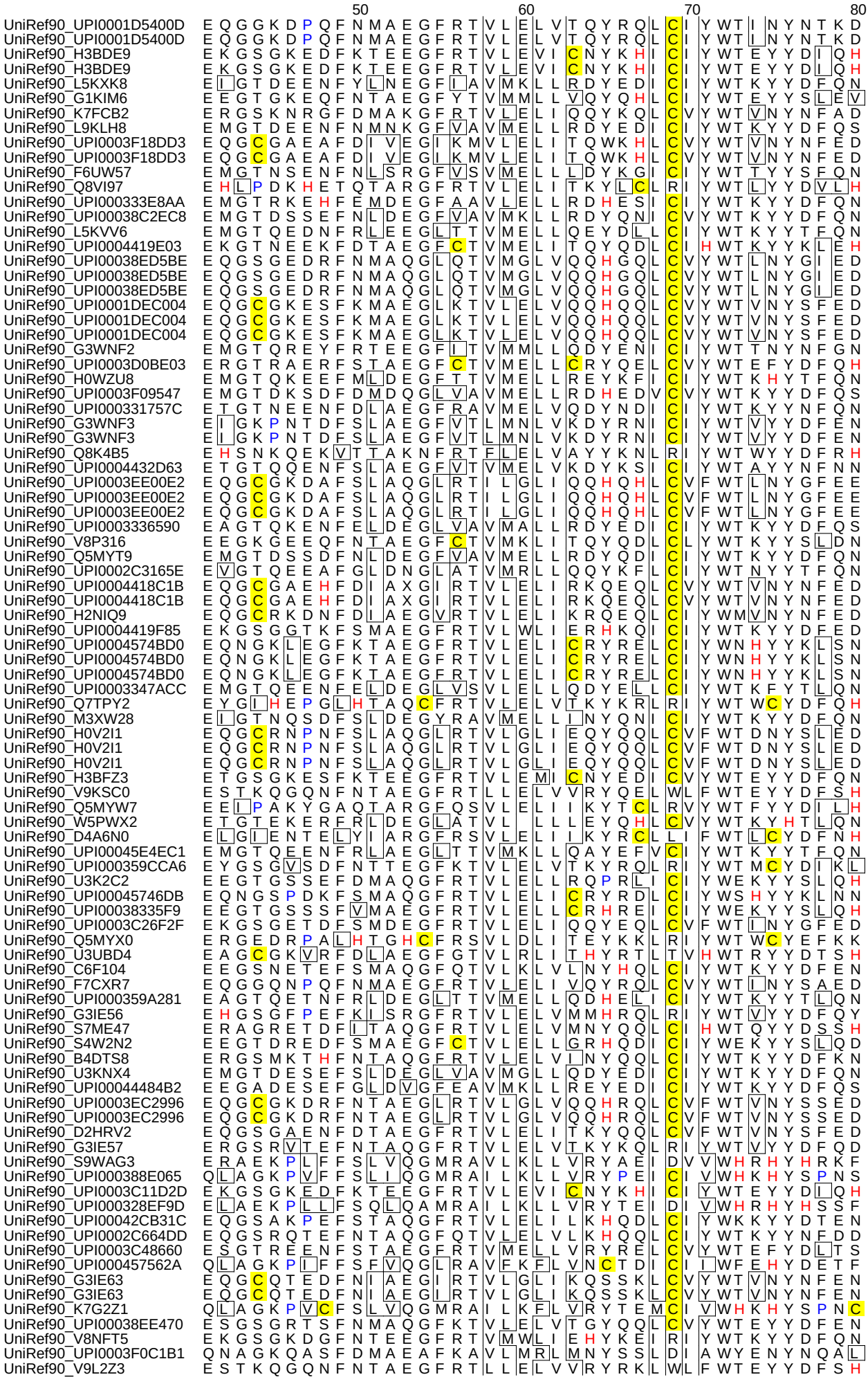

1
10
20
30
40
UniRef90_UPI0003513012
UniRef90_UPI00044397DF
UniRef90_F1N3B8
UniRef90_F1N3B8
UniRef90_G1TAA7
UniRef90_G1TAA7
UniRef90_M0RAP3
UniRef90_M0RAP3
UniRef90_M0RAP3
UniRef90_UPI000332F37E
UniRef90_UPI000332F37E
UniRef90_UPI000443A233
UniRef90_F6T1N6
UniRef90_Q5MYW8
UniRef90_F6ZL35
UniRef90_F6ZL35
UniRef90_UPI0003F127AA
UniRef90_UPI0003346CC3
UniRef90_UPI0003346CC3
UniRef90_UPI00046B3563
UniRef90_UPI00046B3563
UniRef90_UPI00027F4B9E
UniRef90_UPI00027F4B9E
UniRef90_UPI00027F4B9E
UniRef90_UPI00038C46C6
UniRef90_UPI0003F139E1
UniRef90_UPI0003F139E1
UniRef90_F7DSP6
UniRef90_F7DSP6
UniRef90_Q5MYT7
UniRef90_Q5MYT7
UniRef90_Q5MYT7
UniRef90_H0WPE5
UniRef90_H0WPE5
UniRef90_H0WPE5
UniRef90_F6SE93
UniRef90_F6SE93
UniRef90_Q9Y6K5
UniRef90_Q9Y6K5
UniRef90_Q9Y6K5
UniRef90_UPI0003F09D25
UniRef90_UPI0003F09D25
UniRef90_UPI0003F09D25
UniRef90_L5KVP2
UniRef90_L5KVP2
UniRef90_L5KVP2
UniRef90_Q5MYU0
UniRef90_Q5MYU0
UniRef90_UPI000359F989
UniRef90_UPI000359F989
UniRef90_UPI000454B739
UniRef90_UPI000454B739
UniRef90_UPI000454B739
UniRef90_UPI00042A9642
UniRef90_UPI00042A9642
UniRef90_UPI00038C4A5A
UniRef90_G1TLB8
UniRef90_G1TLB8
UniRef90_G1TLB8
UniRef90_E9Q9A9
UniRef90_E9Q9A9
UniRef90_F1PTR9
UniRef90_F1PTR9
UniRef90_F1PTR9
UniRef90_UPI0003316F9A
UniRef90_UPI0003316F9A
UniRef90_UPI0003316F9A
UniRef90_UPI00032B044D
UniRef90_UPI00032B044D
UniRef90_UPI00032B044D
UniRef90_UPI0004440574
UniRef90_UPI0004440574
UniRef90_UPI0004440574
UniRef90_G3WZG8
UniRef90_UPI00046C19B7
UniRef90_UPI00046C19B7
UniRef90_I3M3B9
UniRef90_I3M3B9
UniRef90_I3M3B9
UniRef90_G1LP19
UniRef90_G1LP19
UniRef90_L9KM30
UniRef90_UPI0003340AB9
UniRef90_UPI0003340AB9
UniRef90_UPI000298ABC0
UniRef90_UPI000443C6E5
UniRef90_UPI000443C6E5
UniRef90_UPI0003F11B52
UniRef90_UPI000333691A
UniRef90_UPI000333691A
UniRef90_UPI000333691A
UniRef90_UPI0001D5400D

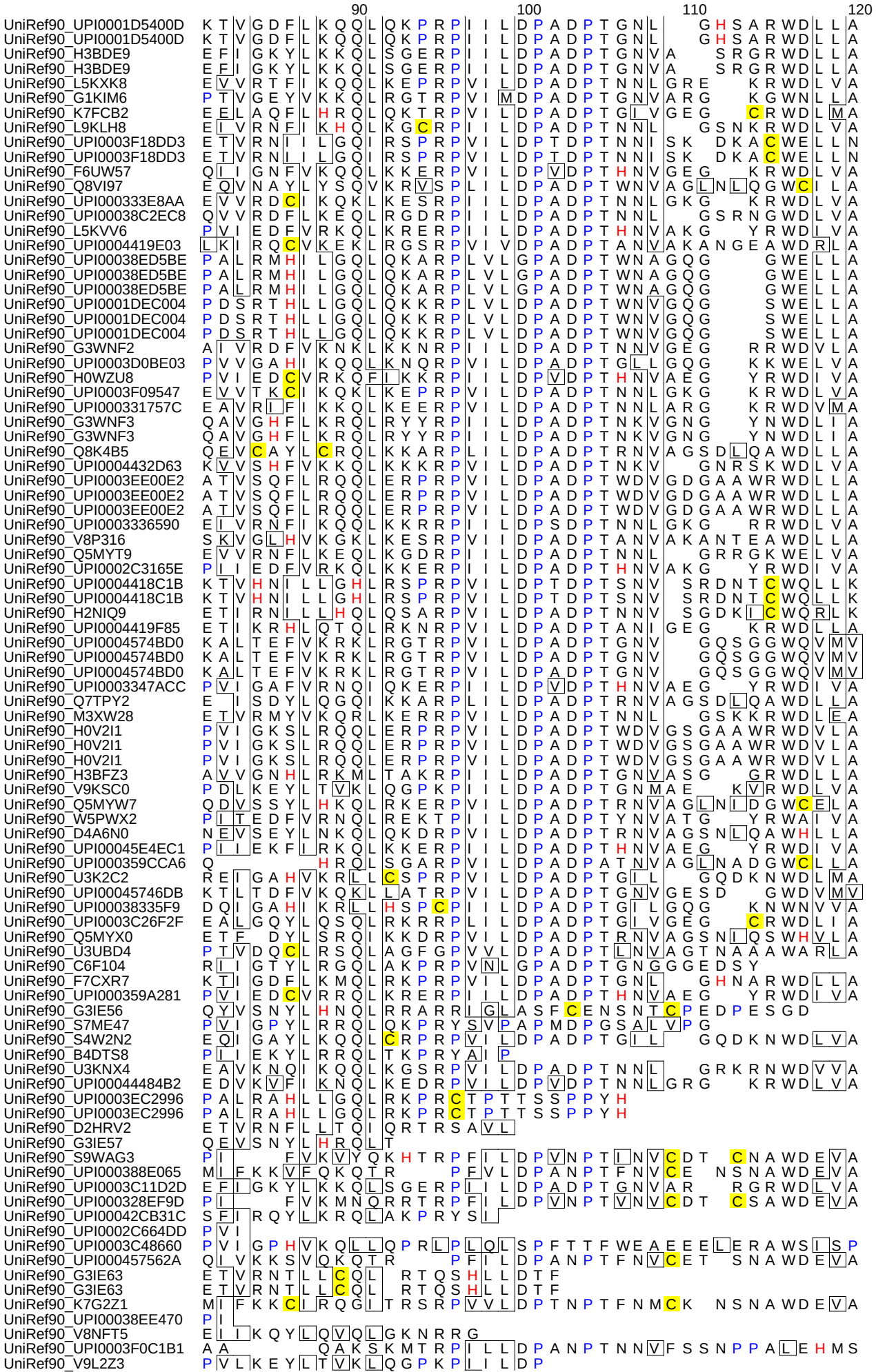

50
60
70
80
UniRef90_UPI0003513012 E N G S G Q N L F N T A E G F K T V L E L V V D H K Q L C V F W T Q Y Y D F K N
UniRef90_UPI00044397DF E R G G G R K D F V T A E G F R A V L E L I L N Y R Q L C I F W R K Y Y L K N
UniRef90_F1N3B8 E Q G C G A E D F D M A E G V R T V L R L I E K Q E Q L C V Y W T V N Y N F G D
UniRef90_F1N3B8 E Q G C G A E D F D M A E G V R T V L R L I E K Q E Q L C V Y W T V N Y N F G D
UniRef90_G1TAA7 E Q G C G A Q D F D M A Q G V R T V L Q L V R Q P E K L C I Y W T V N Y N F E E
UniRef90_G1TAA7 E Q G C G A Q D F D M A Q G V R T V L Q L V R Q P E K L C I Y W T V N Y N F E E
UniRef90_M0RAP3 E Q G C G E Q K F S M A E G L R T V L R L V Q Q H Q S L
UniRef90_M0RAP3 E Q G C G E Q K F S M A E G L R T V L R L V Q Q H Q S L
UniRef90_M0RAP3 E Q G C G E Q K F S M A E G L R T V L R L V Q Q H Q S L
UniRef90_UPI000332F37E E Q G C Q A E D F G L A E G V R T V L R L I T Q Q E Q L C V Y W T V N Y N F E D
UniRef90_UPI000332F37E E Q G C Q A E D F G L A E G V R T V L R L I T Q Q E Q L C V Y W T V N Y N F E D
UniRef90_UPI000443A233 E Q G S G S P Y F N T A E G F R T V L E L V L D H E K L C I Y W T K Y Y D F K N
UniRef90_F6T1N6 E H G S R E T S F N T A Q G F R T V L Y L I Q Q Y Q Q L L V Y W T V Y Y D F E D
UniRef90_Q5MYW8 E S G S R D C E F N T A Q G F R T V L E L V T K Y Q W L R I Y W T L Y Y D F R N
UniRef90_F6ZL35 E Q G C R K D C F N M A Q G F R T V L G L V Q Q H Q Q L C V Y W T V N Y S T E D
UniRef90_F6ZL35 E Q G C R K D C F N M A Q G F R T V L G L V Q Q H Q Q L C V Y W T V N Y S T E D
UniRef90_UPI0003F127AA E N G S N E T Y F N T A Q G F R T V L E L V V D Y K Q L C I Y W T Q Y Y N F E N
UniRef90_UPI0003346CC3 E Q G S R T E S F S I E E G L R S I L R L I E Q Q E Q L C V Y W T I N Y D F E N
UniRef90_UPI0003346CC3 E Q G S R T E S F S I E E G L R S I L R L I E Q Q E Q L C V Y W T I N Y D F E N
UniRef90_UPI00046B3563 E Q G C K E E D F N I A E G I R T I L K L V K K K D Q L C I Y W T V Y Y N F E D
UniRef90_UPI00046B3563 E Q G C K E E D F N I A E G I R T I L K L V K K K D Q L C I Y W T V Y Y N F E D
UniRef90_UPI00027F4B9E E Q G C K K D A F S L A E G L R T V L D L I Q Q H Q H L C V F W T V N Y G F E D
UniRef90_UPI00027F4B9E E Q G C K K D A F S L A E G L R T V L D L I Q Q H Q H L C V F W T V N Y G F E D
UniRef90_UPI00027F4B9E E Q G C K K D A F S L A E G L R T V L D L I Q Q H Q H L C V F W T V N Y G F E D
UniRef90_UPI00038C46C6 E Q G S G V T E F N T A Q G F R T V L E L V T K Y R Q L R I Y W T K Y Y D F Q D
UniRef90_UPI0003F139E1 E Q G C K K E S F H M A Q G F R T V L G L V Q Q H R Q L C V Y W T V N Y G L E D
UniRef90_UPI0003F139E1 E Q G C K K E S F H M A Q G F R T V L G L V Q Q H R Q L C V Y W T V N Y G L E D
UniRef90_F7DSP6 E Q G C G E E D F D T A Q G I R T V L E L I R Q Q E K L C I Y W T V N Y N F E D
UniRef90_F7DSP6 E Q G C G E E D F D T A Q G I R T V L E L I R Q Q E K L C I Y W T V N Y N F E D
UniRef90_Q5MYT7 E Q G C G E Q K F S M A E G L R T V L R L V Q Q H Q S L C I Y W T V N Y S V Q D
UniRef90_Q5MYT7 E Q G C G E Q K F S M A E G L R T V L R L V Q Q H Q S L C I Y W T V N Y S V Q D
UniRef90_Q5MYT7 E Q G C G E Q K F S M A E G L R T V L R L V Q Q H Q S L C I Y W T V N Y S V Q D
UniRef90_H0WPE5 E Q G C G M D R F N M A E G L Q T V L G L V Q N Y Q H L C V Y W T V N Y S I E D
UniRef90_H0WPE5 E Q G C G M D R F N M A E G L Q T V L G L V Q N Y Q H L C V Y W T V N Y S I E D
UniRef90_H0WPE5 E Q G C G M D R F N M A E G L Q T V L G L V Q N Y Q H L C V Y W T V N Y S I E D
UniRef90_F6SE93 E Q G S D Q E E F N T A E G I L T V L E L I S Q Y D M L C I Y W T V N Y N F E D
UniRef90_F6SE93 E Q G S D Q E E F N T A E G I L T V L E L I S Q Y D M L C I Y W T V N Y N F E D
UniRef90_Q9Y6K5 E Q G C R Q D C F N M A Q G F R T V L G L V Q Q H Q Q L C V Y W T V N Y S T E D
UniRef90_Q9Y6K5 E Q G C R Q D C F N M A Q G F R T V L G L V Q Q H Q Q L C V Y W T V N Y S T E D
UniRef90_Q9Y6K5 E Q G C R Q D C F N M A Q G F R T V L G L V Q Q H Q Q L C V Y W T V N Y S T E D
UniRef90_UPI0003F09D25 E Q G G G K D N F N M A Q G F R T V L G L V Q Q H Q Q L C V Y W T V N Y S P E D
UniRef90_UPI0003F09D25 E Q G G G K D N F N M A Q G F R T V L G L V Q Q H Q Q L C V Y W T V N Y S P E D
UniRef90_UPI0003F09D25 E Q G G G K D N F N M A Q G F R T V L G L V Q Q H Q Q L C V Y W T V N Y S P E D
UniRef90_L5KVP2 E Q G C G K E S F N M A T G L R T V L S L V Q K H Q Q L C V F W T V N Y S L E D
UniRef90_L5KVP2 E Q G C G K E S F N M A T G L R T V L S L V Q K H Q Q L C V F W T V N Y S L E D
UniRef90_L5KVP2 E Q G C G K E S F N M A T G L R T V L S L V Q K H Q Q L C V F W T V N Y S L E D
UniRef90_Q5MYU0 E Q G C Q T K D F D I T Q G I R T V L Q L I S Q P T N L C V Y W L D N Y N F E D
UniRef90_Q5MYU0 E Q G C Q T K D F D I T Q G I R T V L Q L I S Q P T N L C V Y W L D N Y N F E D
UniRef90_UPI000359F989 E Q G C Q A E D F D I A E G I R T V L G L I R Q S S K L C V Y W T V N Y N F E N
UniRef90_UPI000359F989 E Q G C Q A E D F D I A E G I R T V L G L I R Q S S K L C V Y W T V N Y N F E N
UniRef90_UPI000454B739 E Q G C Q T E D F N I A E G I R T V L G L I K Q S S K L C V Y W T V N Y N F E N
UniRef90_UPI000454B739 E Q G C Q T E D F N I A E G I R T V L G L I K Q S S K L C V Y W T V N Y N F E N
UniRef90_UPI000454B739 E Q G C Q T E D F N I A E G I R T V L G L I K Q S S K L C V Y W T V N Y N F E N
UniRef90_UPI00042A9642 E Q S C Q G E N F D I A E G A R T V L G L I R Q S S Q L C V Y W I D N Y N F E D
UniRef90_UPI00042A9642 E Q S C Q G E N F D I A E G A R T V L G L I R Q S S Q L C V Y W I D N Y N F E D
UniRef90_UPI00038C4A5A E R G S G V T E F D T A R G F R T V L E L I T K Y K Q L Q I H W T V Y Y D F Q D
UniRef90_G1TLB8 E Q G C G K D A F S L A Q G L R T V L G L I Q S Y Q Q L C V F W T V N Y G F E D
UniRef90_G1TLB8 E Q G C G K D A F S L A Q G L R T V L G L I Q S Y Q Q L C V F W T V N Y G F E D
UniRef90_G1TLB8 E Q G C G K D A F S L A Q G L R T V L G L I Q S Y Q Q L C V F W T V N Y G F E D
UniRef90_E9Q9A9 E Q G C Q A E D F D M A Q G V R T V L R L I Q R P T E L C V Y W T V N Y N F E D
UniRef90_E9Q9A9 E Q G C Q A E D F D M A Q G V R T V L R L I Q R P T E L C V Y W T V N Y N F E D
UniRef90_F1PTR9 E Q G C G E D S F K M A Q G L K T V L E L V Q Q H Q Q L C V Y W T V N Y S F E D
UniRef90_F1PTR9 E Q G C G E D S F K M A Q G L K T V L E L V Q Q H Q Q L C V Y W T V N Y S F E D
UniRef90_F1PTR9 E Q G C G E D S F K M A Q G L K T V L E L V Q Q H Q Q L C V Y W T V N Y S F E D
UniRef90_UPI0003316F9A E Q G C G K D Q F H M A Q G L A T V L G L V Q Q H P L L C V Y W T A N Y G L E D
UniRef90_UPI0003316F9A E Q G C G K D Q F H M A Q G L A T V L G L V Q Q H P L L C V Y W T A N Y G L E D
UniRef90_UPI0003316F9A E Q G C G K D Q F H M A Q G L A T V L G L V Q Q H P L L C V Y W T A N Y G L E D
UniRef90_UPI00032B044D E Q G C R K D S F N M A E G L C T V L K L I Q C H Q Q L C V Y W M V N Y S V E N
UniRef90_UPI00032B044D E Q G C R K D S F N M A E G L C T V L K L I Q C H Q Q L C V Y W M V N Y S V E N
UniRef90_UPI00032B044D E Q G C R K D S F N M A E G L C T V L K L I Q C H Q Q L C V Y W M V N Y S V E N
UniRef90_UPI0004440574 E Q G C G E E R F H M A Q G L R T V L G L V K Q H Q Q L C V Y W T V Y Y N L E D
UniRef90_UPI0004440574 E Q G C G E E R F H M A Q G L R T V L G L V K Q H Q Q L C V Y W T V Y Y N L E D
UniRef90_UPI0004440574 E Q G C G E E R F H M A Q G L R T V L G L V K Q H Q Q L C V Y W T V Y Y N L E D
UniRef90_G3WZG8 E Q G S K L D Q F S T A E G F L T V L T L I K K Y Q E L M I Y W T V N Y D I H N
UniRef90_UPI00046C19B7 E R G G R D P A F N M A E G F R T V L E L I R Q H A K L C V F W T I N Y G F A N
UniRef90_UPI00046C19B7 E R G G R D P A F N M A E G F R T V L E L I R Q H A K L C V F W T I N Y G F A N
UniRef90_I3M3B9 E Q G C K N H S F N M A Q G L R T V L G L V Q Q Y Q D L C V Y W T D N Y G T E D
UniRef90_I3M3B9 E Q G C K N H S F N M A Q G L R T V L G L V Q Q Y Q D L C V Y W T D N Y G T E D
UniRef90_I3M3B9 E Q G C K N H S F N M A Q G L R T V L G L V Q Q Y Q D L C V Y W T D N Y G T E D
UniRef90_G1LP19 E I G T D K S D F N L D E G F R A V M E L L I E Y E N I C I Y W T K Y Y D F Q N
UniRef90_G1LP19 E I G T D K S D F N L D E G F R A V M E L L I E Y E N I C I Y W T K Y Y D F Q N
UniRef90_L9KM30 E M G T Q E S E F R L D E G L A T V M E L L Q D Y E L L C I Y W T K H Y T F Q H
UniRef90_UPI0003340AB9 E Q G C G Q D D F E L A E G I R T V L W L I T Q H K K L C V Y W T V N Y N F E N
UniRef90_UPI0003340AB9 E Q G C G Q D D F E L A E G I R T V L W L I T Q H K K L C V Y W T V N Y N F E N
UniRef90_UPI000298ABC0 E I G T D E E N F N L D E G F R A V M E L L I D Y E D I C V Y W T K Y Y D F Q N
UniRef90_UPI000443C6E5 E Q G C S E E N F D M A E G I R T V L G L I R Q Q E Q L C I Y W T I N Y D F K D
UniRef90_UPI000443C6E5 E Q G C S E E N F D M A E G I R T V L G L I R Q Q E Q L C I Y W T I N Y D F K D
UniRef90_UPI0003F11B52 E Q G C G K D A F S L A Q G L R T V L G L I H Q Y Q H L C V F W T V Y Y D F E D
UniRef90_UPI000333691A E Q N G R K D S F N M A R G L R T V L G L I Q Q H R K L C V Y W T V N Y D L E D
UniRef90_UPI000333691A E Q N G R K D S F N M A R G L R T V L G L I Q Q H R K L C V Y W T V N Y D L E D
UniRef90_UPI000333691A E Q N G R K D S F N M A R G L R T V L G L I Q Q H R K L C V Y W T V N Y D L E D
UniRef90_UPI0001D5400D E Q G G K D P Q F N M A E G F R T V L E L V T Q Y R Q L C I Y W T I N Y N T K D

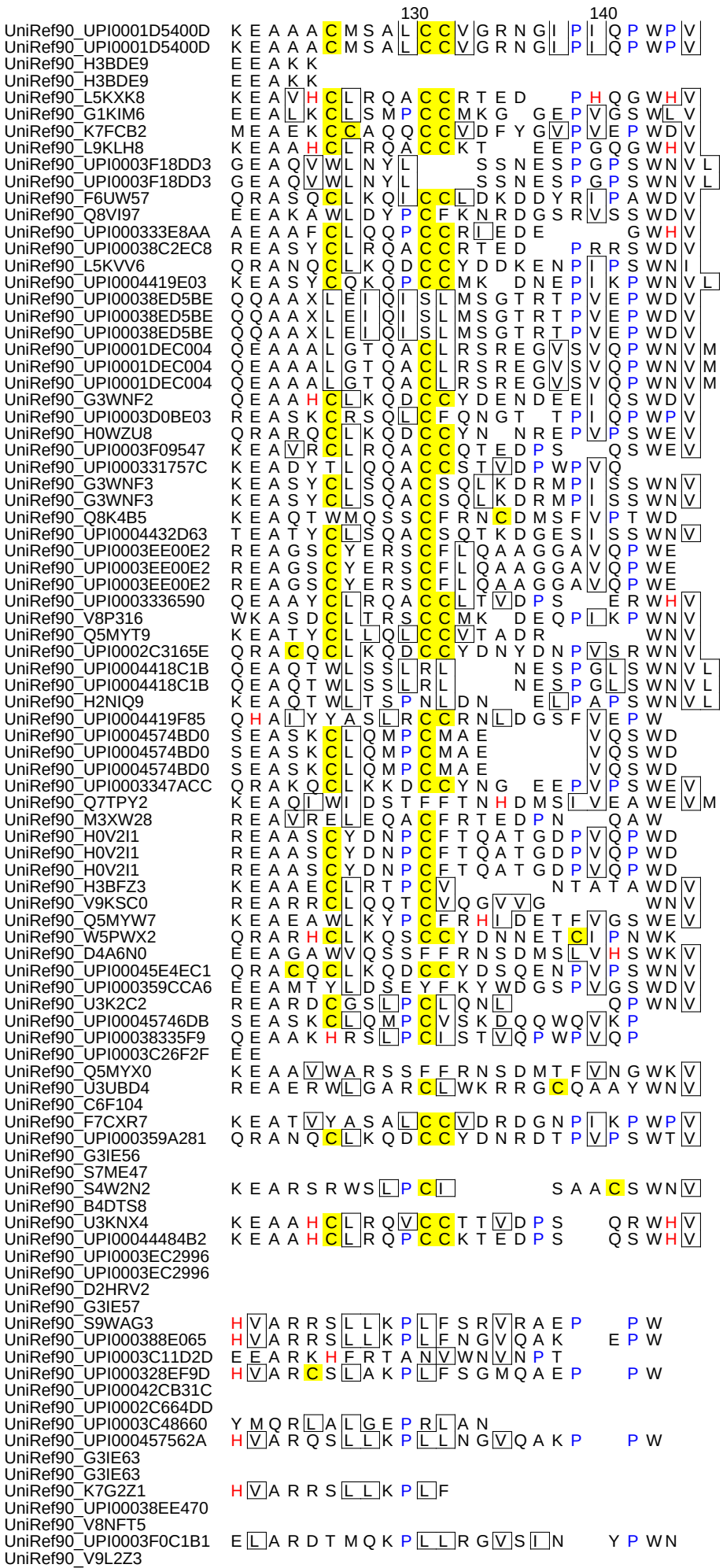

90
100
110
120
UniRef90_UPI0003513012
UniRef90_UPI00044397DF
UniRef90_F1N3B8
UniRef90_F1N3B8
UniRef90_G1TAA7
UniRef90_G1TAA7
UniRef90_M0RAP3
UniRef90_M0RAP3
UniRef90_M0RAP3
UniRef90_UPI000332F37E
UniRef90_UPI000332F37E
UniRef90_UPI000443A233
UniRef90_F6T1N6
UniRef90_Q5MYW8
UniRef90_F6ZL35
UniRef90_F6ZL35
UniRef90_UPI0003F127AA
UniRef90_UPI0003346CC3
UniRef90_UPI0003346CC3
UniRef90_UPI00046B3563
UniRef90_UPI00046B3563
UniRef90_UPI00027F4B9E
UniRef90_UPI00027F4B9E
UniRef90_UPI00027F4B9E
UniRef90_UPI00038C46C6
UniRef90_UPI0003F139E1
UniRef90_UPI0003F139E1
UniRef90_F7DSP6
UniRef90_F7DSP6
UniRef90_Q5MYT7
UniRef90_Q5MYT7
UniRef90_Q5MYT7
UniRef90_H0WPE5
UniRef90_H0WPE5
UniRef90_H0WPE5
UniRef90_F6SE93
UniRef90_F6SE93
UniRef90_Q9Y6K5
UniRef90_Q9Y6K5
UniRef90_Q9Y6K5
UniRef90_UPI0003F09D25
UniRef90_UPI0003F09D25
UniRef90_UPI0003F09D25
UniRef90_L5KVP2
UniRef90_L5KVP2
UniRef90_L5KVP2
UniRef90_Q5MYU0
UniRef90_Q5MYU0
UniRef90_UPI000359F989
UniRef90_UPI000359F989
UniRef90_UPI000454B739
UniRef90_UPI000454B739
UniRef90_UPI000454B739
UniRef90_UPI00042A9642
UniRef90_UPI00042A9642
UniRef90_UPI00038C4A5A
UniRef90_G1TLB8
UniRef90_G1TLB8
UniRef90_G1TLB8
UniRef90_E9Q9A9
UniRef90_E9Q9A9
UniRef90_F1PTR9
UniRef90_F1PTR9
UniRef90_F1PTR9
UniRef90_UPI0003316F9A
UniRef90_UPI0003316F9A
UniRef90_UPI0003316F9A
UniRef90_UPI00032B044D
UniRef90_UPI00032B044D
UniRef90_UPI00032B044D
UniRef90_UPI0004440574
UniRef90_UPI0004440574
UniRef90_UPI0004440574
UniRef90_G3WZG8
UniRef90_UPI00046C19B7
UniRef90_UPI00046C19B7
UniRef90_I3M3B9
UniRef90_I3M3B9
UniRef90_I3M3B9
UniRef90_G1LP19
UniRef90_G1LP19
UniRef90_L9KM30
UniRef90_UPI0003340AB9
UniRef90_UPI0003340AB9
UniRef90_UPI000298ABC0
UniRef90_UPI000443C6E5
UniRef90_UPI000443C6E5
UniRef90_UPI0003F11B52
UniRef90_UPI000333691A
UniRef90_UPI000333691A
UniRef90_UPI000333691A
UniRef90_UPI0001D5400D

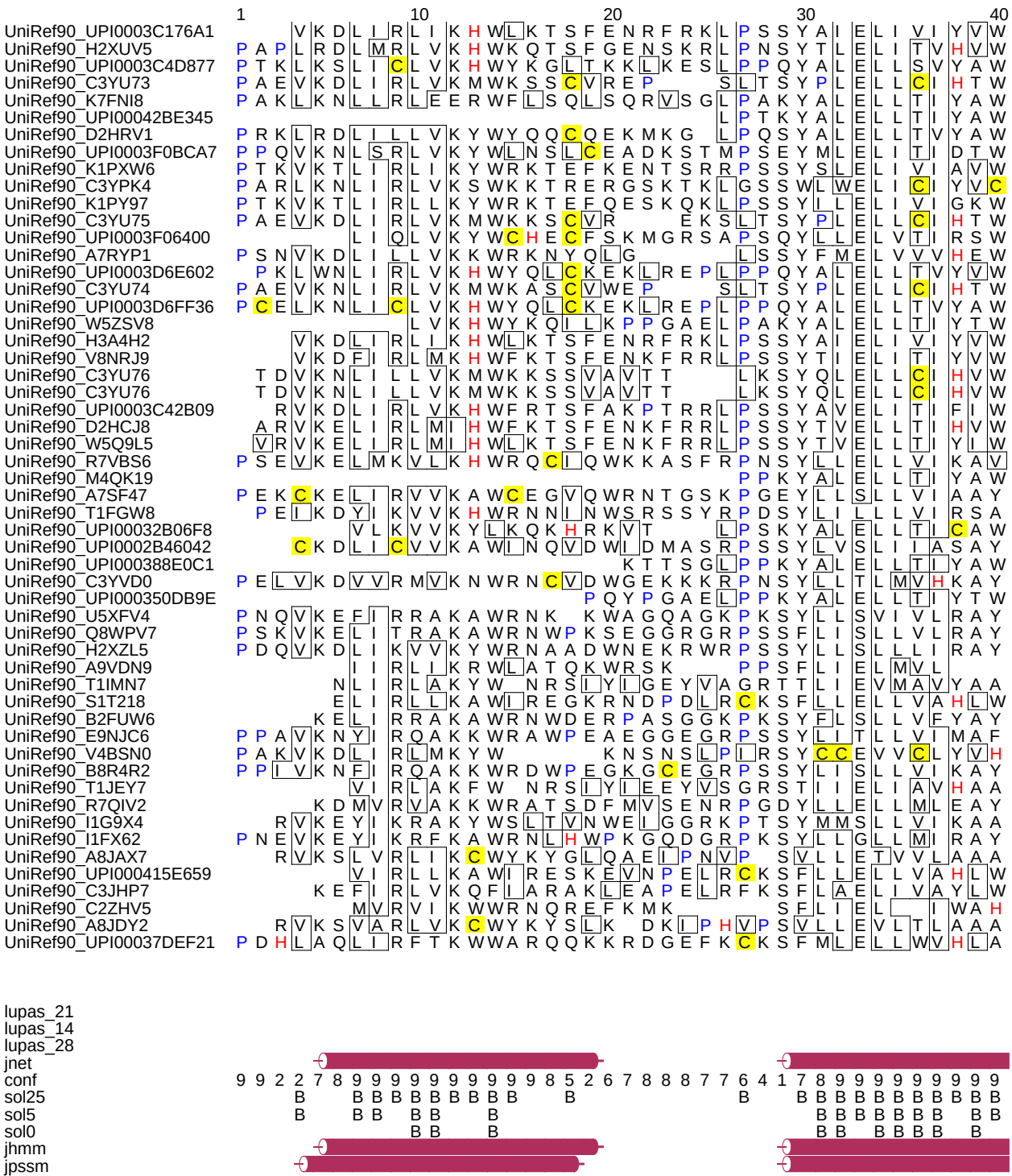

130
140
UniRef90_UPI0003513012
UniRef90_UPI00044397DF
UniRef90_F1N3B8
UniRef90_F1N3B8
UniRef90_G1TAA7
UniRef90_G1TAA7
UniRef90_M0RAP3
UniRef90_M0RAP3
UniRef90_M0RAP3
UniRef90_UPI000332F37E
UniRef90_UPI000332F37E
UniRef90_UPI000443A233
UniRef90_F6T1N6
UniRef90_Q5MYW8
UniRef90_F6ZL35
UniRef90_F6ZL35
UniRef90_UPI0003F127AA
UniRef90_UPI0003346CC3
UniRef90_UPI0003346CC3
UniRef90_UPI00046B3563
UniRef90_UPI00046B3563
UniRef90_UPI00027F4B9E
UniRef90_UPI00027F4B9E
UniRef90_UPI00027F4B9E
UniRef90_UPI00038C46C6
UniRef90_UPI0003F139E1
UniRef90_UPI0003F139E1
UniRef90_F7DSP6
UniRef90_F7DSP6
UniRef90_Q5MYT7
UniRef90_Q5MYT7
UniRef90_Q5MYT7
UniRef90_H0WPE5
UniRef90_H0WPE5
UniRef90_H0WPE5
UniRef90_F6SE93
UniRef90_F6SE93
UniRef90_Q9Y6K5
UniRef90_Q9Y6K5
UniRef90_Q9Y6K5
UniRef90_UPI0003F09D25
UniRef90_UPI0003F09D25
UniRef90_UPI0003F09D25
UniRef90_L5KVP2
UniRef90_L5KVP2
UniRef90_L5KVP2
UniRef90_Q5MYU0
UniRef90_Q5MYU0
UniRef90_UPI000359F989
UniRef90_UPI000359F989
UniRef90_UPI000454B739
UniRef90_UPI000454B739
UniRef90_UPI000454B739
UniRef90_UPI00042A9642
UniRef90_UPI00042A9642
UniRef90_UPI00038C4A5A
UniRef90_G1TLB8
UniRef90_G1TLB8
UniRef90_G1TLB8
UniRef90_E9Q9A9
UniRef90_E9Q9A9
UniRef90_F1PTR9
UniRef90_F1PTR9
UniRef90_F1PTR9
UniRef90_UPI0003316F9A
UniRef90_UPI0003316F9A
UniRef90_UPI0003316F9A
UniRef90_UPI00032B044D
UniRef90_UPI00032B044D
UniRef90_UPI00032B044D
UniRef90_UPI0004440574
UniRef90_UPI0004440574
UniRef90_UPI0004440574
UniRef90_G3WZG8
UniRef90_UPI00046C19B7
UniRef90_UPI00046C19B7
UniRef90_I3M3B9
UniRef90_I3M3B9
UniRef90_I3M3B9
UniRef90_G1LP19
UniRef90_G1LP19
UniRef90_L9KM30
UniRef90_UPI0003340AB9
UniRef90_UPI0003340AB9
UniRef90_UPI000298ABC0
UniRef90_UPI000443C6E5
UniRef90_UPI000443C6E5
UniRef90_UPI0003F11B52
UniRef90_UPI000333691A
UniRef90_UPI000333691A
UniRef90_UPI000333691A
UniRef90_UPI0001D5400D

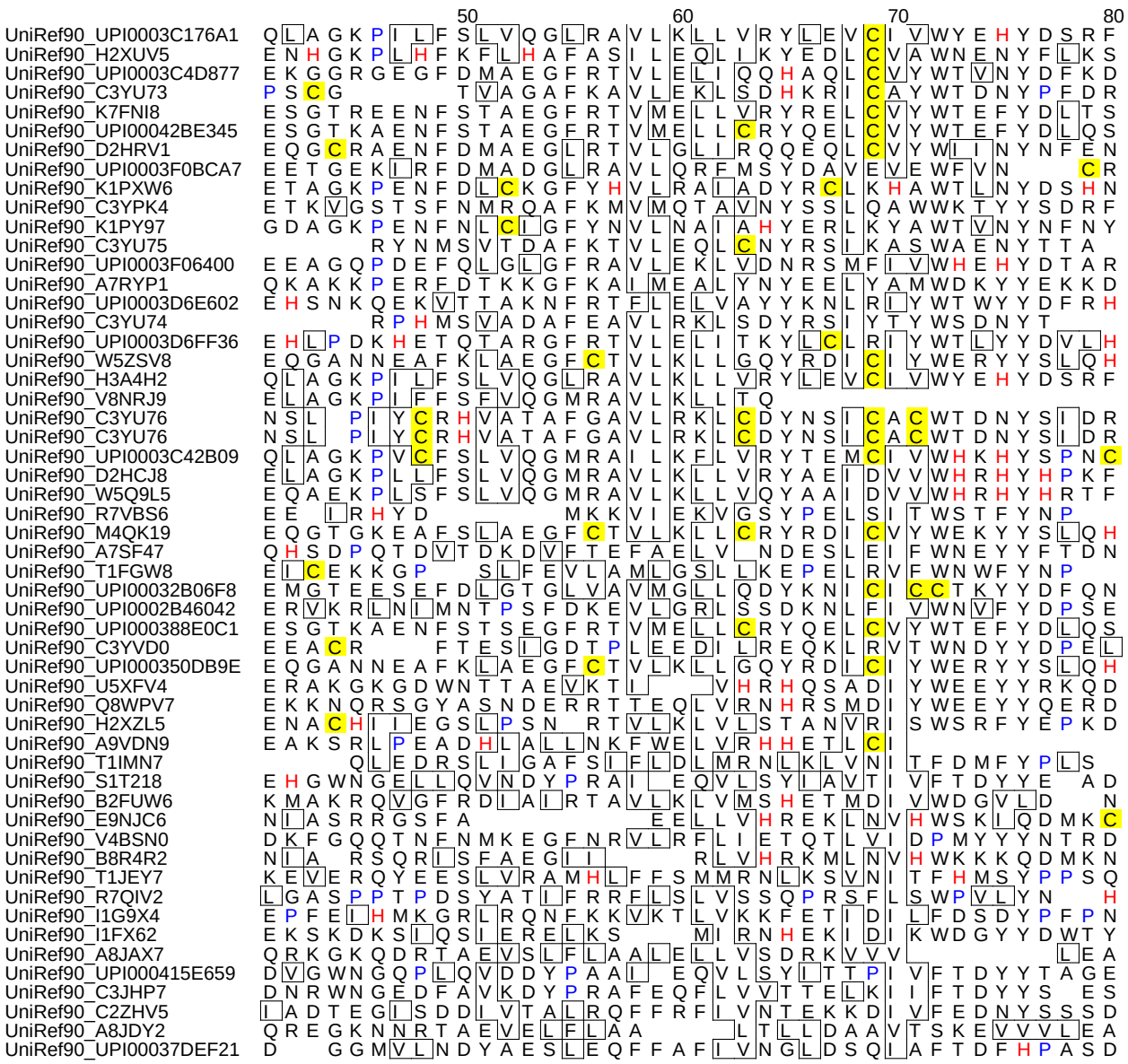

1 10 20 30 40
UniRef90_UPI0001D5400D
UniRef90_UPI0001D5400D
UniRef90_H3BDE9
UniRef90_H3BDE9
UniRef90_L5KXK8
UniRef90_G1KIM6
UniRef90_K7FCB2
UniRef90_L9KLH8
UniRef90_UPI0003F18DD3
UniRef90_UPI0003F18DD3
UniRef90_F6UW57
UniRef90_Q8VI97
UniRef90_UPI000333E8AA
UniRef90_UPI00038C2EC8
UniRef90_L5KVV6
UniRef90_UPI0004419E03
UniRef90_UPI00038ED5BE
UniRef90_UPI00038ED5BE
UniRef90_UPI00038ED5BE
UniRef90_UPI0001DEC004
UniRef90_UPI0001DEC004
UniRef90_UPI0001DEC004
UniRef90_G3WNF2
UniRef90_UPI0003D0BE03
UniRef90_H0WZU8
UniRef90_UPI0003F09547
UniRef90_UPI000331757C
UniRef90_G3WNF3
UniRef90_G3WNF3
UniRef90_Q8K4B5
UniRef90_UPI0004432D63
UniRef90_UPI0003EE00E2
UniRef90_UPI0003EE00E2
UniRef90_UPI0003EE00E2
UniRef90_UPI0003336590
UniRef90_V8P316
UniRef90_Q5MYT9
UniRef90_UPI0002C3165E
UniRef90_UPI0004418C1B
UniRef90_UPI0004418C1B
UniRef90_H2NIQ9
UniRef90_UPI0004419F85
UniRef90_UPI0004574BD0
UniRef90_UPI0004574BD0
UniRef90_UPI0004574BD0
UniRef90_UPI0003347ACC
UniRef90_Q7TPY2
UniRef90_M3XW28
UniRef90_H0V2I1
UniRef90_H0V2I1
UniRef90_H0V2I1
UniRef90_H3BFZ3
UniRef90_V9KSC0
UniRef90_Q5MYW7
UniRef90_W5PWX2
UniRef90_D4A6N0
UniRef90_UPI00045E4EC1
UniRef90_UPI000359CCA6
UniRef90_U3K2C2
UniRef90_UPI00045746DB
UniRef90_UPI00038335F9
UniRef90_UPI0003C26F2F
UniRef90_Q5MYX0
UniRef90_U3UBD4
UniRef90_C6F104
UniRef90_F7CXR7
UniRef90_UPI000359A281
UniRef90_G3IE56
UniRef90_S7ME47
UniRef90_S4W2N2
UniRef90_B4DTS8
UniRef90_U3KNX4
UniRef90_UPI00044484B2
UniRef90_UPI0003EC2996
UniRef90_UPI0003EC2996
UniRef90_D2HRV2
UniRef90_G3IE57
UniRef90_S9WAG3
UniRef90_UPI000388E065
UniRef90_UPI0003C11D2D
UniRef90_UPI000328EF9D
UniRef90_UPI00042CB31C
UniRef90_UPI0002C664DD
UniRef90_UPI0003C48660
UniRef90_UPI000457562A
UniRef90_G3IE63
UniRef90_G3IE63
UniRef90_K7G2Z1
UniRef90_UPI00038EE470
UniRef90_V8NFT5
UniRef90_UPI0003F0C1B1
UniRef90_V9L2Z3

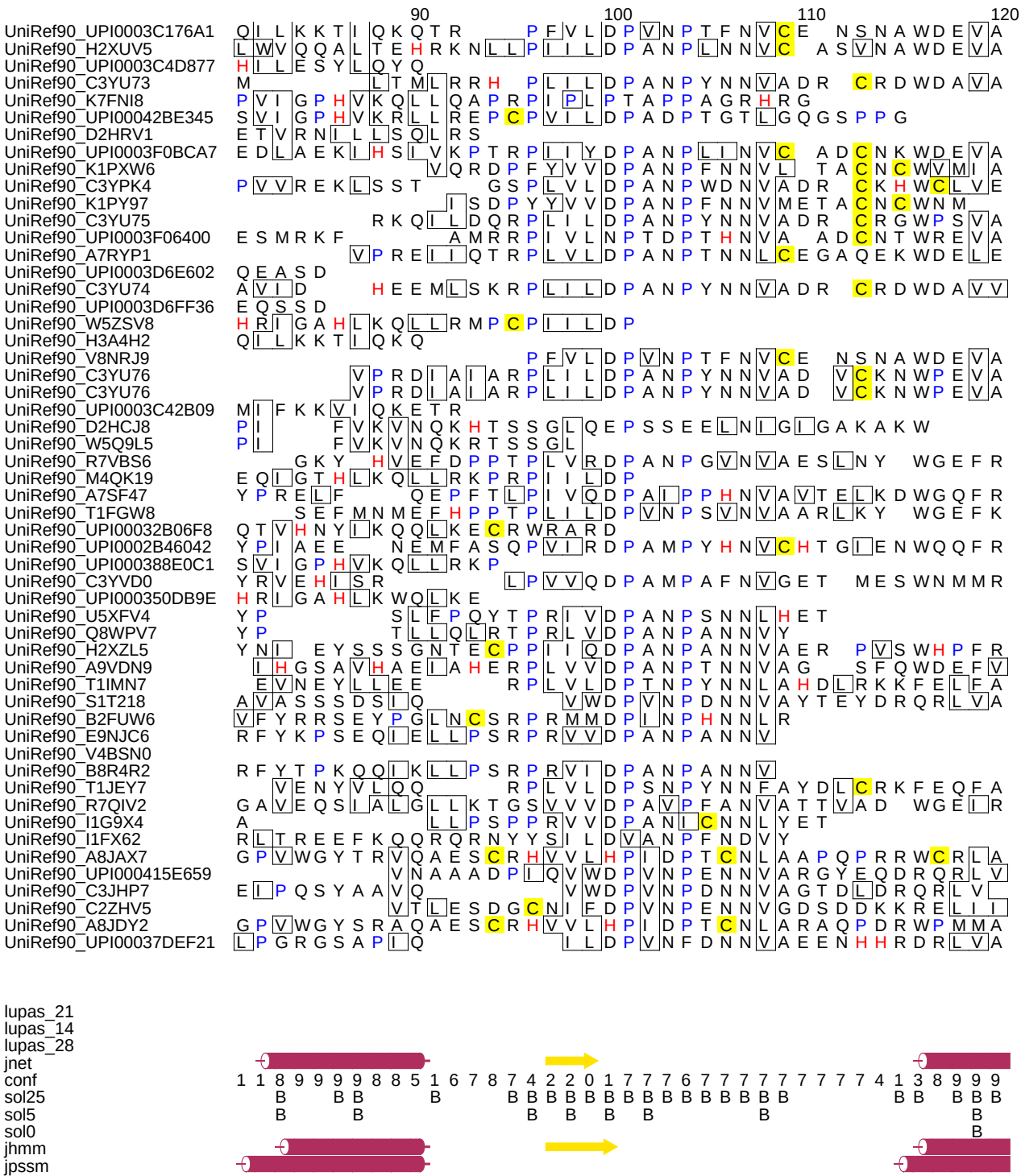

50
60
70
80
UniRef90_UPI0001D5400D
UniRef90_UPI0001D5400D
UniRef90_H3BDE9
UniRef90_H3BDE9
UniRef90_L5KXK8
UniRef90_G1KIM6
UniRef90_K7FCB2
UniRef90_L9KLH8
UniRef90_UPI0003F18DD3
UniRef90_UPI0003F18DD3
UniRef90_F6UW57
UniRef90_Q8VI97
UniRef90_UPI000333E8AA
UniRef90_UPI00038C2EC8
UniRef90_L5KVV6
UniRef90_UPI0004419E03
UniRef90_UPI00038ED5BE
UniRef90_UPI00038ED5BE
UniRef90_UPI00038ED5BE
UniRef90_UPI0001DEC004
UniRef90_UPI0001DEC004
UniRef90_UPI0001DEC004
UniRef90_G3WNF2
UniRef90_UPI0003D0BE03
UniRef90_H0WZU8
UniRef90_UPI0003F09547
UniRef90_UPI000331757C
UniRef90_G3WNF3
UniRef90_G3WNF3
UniRef90_Q8K4B5
UniRef90_UPI0004432D63
UniRef90_UPI0003EE00E2
UniRef90_UPI0003EE00E2
UniRef90_UPI0003EE00E2
UniRef90_UPI0003336590
UniRef90_V8P316
UniRef90_Q5MYT9
UniRef90_UPI0002C3165E
UniRef90_UPI0004418C1B
UniRef90_UPI0004418C1B
UniRef90_H2NIQ9
UniRef90_UPI0004419F85
UniRef90_UPI0004574BD0
UniRef90_UPI0004574BD0
UniRef90_UPI0004574BD0
UniRef90_UPI0003347ACC
UniRef90_Q7TPY2
UniRef90_M3XW28
UniRef90_H0V2I1
UniRef90_H0V2I1
UniRef90_H0V2I1
UniRef90_H3BFZ3
UniRef90_V9KSC0
UniRef90_Q5MYW7
UniRef90_W5PWX2
UniRef90_D4A6N0
UniRef90_UPI00045E4EC1
UniRef90_UPI000359CCA6
UniRef90_U3K2C2
UniRef90_UPI00045746DB
UniRef90_UPI00038335F9
UniRef90_UPI0003C26F2F
UniRef90_Q5MYX0
UniRef90_U3UBD4
UniRef90_C6F104
UniRef90_F7CXR7
UniRef90_UPI000359A281
UniRef90_G3IE56
UniRef90_S7ME47
UniRef90_S4W2N2
UniRef90_B4DTS8
UniRef90_U3KNX4
UniRef90_UPI00044484B2
UniRef90_UPI0003EC2996
UniRef90_UPI0003EC2996
UniRef90_D2HRV2
UniRef90_G3IE57
UniRef90_S9WAG3
UniRef90_UPI000388E065
UniRef90_UPI0003C11D2D
UniRef90_UPI000328EF9D
UniRef90_UPI00042CB31C
UniRef90_UPI0002C664DD
UniRef90_UPI0003C48660
UniRef90_UPI000457562A
UniRef90_G3IE63
UniRef90_G3IE63
UniRef90_K7G2Z1
UniRef90_UPI00038EE470
UniRef90_V8NFT5
UniRef90_UPI0003F0C1B1
UniRef90_V9L2Z3


90
100
110
120
UniRef90_UPI0001D5400D
UniRef90_UPI0001D5400D
UniRef90_H3BDE9
UniRef90_H3BDE9
UniRef90_L5KXK8
UniRef90_G1KIM6
UniRef90_K7FCB2
UniRef90_L9KLH8
UniRef90_UPI0003F18DD3
UniRef90_UPI0003F18DD3
UniRef90_F6UW57
UniRef90_Q8VI97
UniRef90_UPI000333E8AA
UniRef90_UPI00038C2EC8
UniRef90_L5KVV6
UniRef90_UPI0004419E03
UniRef90_UPI00038ED5BE
UniRef90_UPI00038ED5BE
UniRef90_UPI00038ED5BE
UniRef90_UPI0001DEC004
UniRef90_UPI0001DEC004
UniRef90_UPI0001DEC004
UniRef90_G3WNF2
UniRef90_UPI0003D0BE03
UniRef90_H0WZU8
UniRef90_UPI0003F09547
UniRef90_UPI000331757C
UniRef90_G3WNF3
UniRef90_G3WNF3
UniRef90_Q8K4B5
UniRef90_UPI0004432D63
UniRef90_UPI0003EE00E2
UniRef90_UPI0003EE00E2
UniRef90_UPI0003EE00E2
UniRef90_UPI0003336590
UniRef90_V8P316
UniRef90_Q5MYT9
UniRef90_UPI0002C3165E
UniRef90_UPI0004418C1B
UniRef90_UPI0004418C1B
UniRef90_H2NIQ9
UniRef90_UPI0004419F85
UniRef90_UPI0004574BD0
UniRef90_UPI0004574BD0
UniRef90_UPI0004574BD0
UniRef90_UPI0003347ACC
UniRef90_Q7TPY2
UniRef90_M3XW28
UniRef90_H0V2I1
UniRef90_H0V2I1
UniRef90_H0V2I1
UniRef90_H3BFZ3
UniRef90_V9KSC0
UniRef90_Q5MYW7
UniRef90_W5PWX2
UniRef90_D4A6N0
UniRef90_UPI00045E4EC1
UniRef90_UPI000359CCA6
UniRef90_U3K2C2
UniRef90_UPI00045746DB
UniRef90_UPI00038335F9
UniRef90_UPI0003C26F2F
UniRef90_Q5MYX0
UniRef90_U3UBD4
UniRef90_C6F104
UniRef90_F7CXR7
UniRef90_UPI000359A281
UniRef90_G3IE56
UniRef90_S7ME47
UniRef90_S4W2N2
UniRef90_B4DTS8
UniRef90_U3KNX4
UniRef90_UPI00044484B2
UniRef90_UPI0003EC2996
UniRef90_UPI0003EC2996
UniRef90_D2HRV2
UniRef90_G3IE57
UniRef90_S9WAG3
UniRef90_UPI000388E065
UniRef90_UPI0003C11D2D
UniRef90_UPI000328EF9D
UniRef90_UPI00042CB31C
UniRef90_UPI0002C664DD
UniRef90_UPI0003C48660
UniRef90_UPI000457562A
UniRef90_G3IE63
UniRef90_G3IE63
UniRef90_K7G2Z1
UniRef90_UPI00038EE470
UniRef90_V8NFT5
UniRef90_UPI0003F0C1B1
UniRef90_V9L2Z3


130
140
UniRef90_UPI0001D5400D
UniRef90_UPI0001D5400D
UniRef90_H3BDE9
UniRef90_H3BDE9
UniRef90_L5KXK8
UniRef90_G1KIM6
UniRef90_K7FCB2
UniRef90_L9KLH8
UniRef90_UPI0003F18DD3
UniRef90_UPI0003F18DD3
UniRef90_F6UW57
UniRef90_Q8VI97
UniRef90_UPI000333E8AA
UniRef90_UPI00038C2EC8
UniRef90_L5KVV6
UniRef90_UPI0004419E03
UniRef90_UPI00038ED5BE
UniRef90_UPI00038ED5BE
UniRef90_UPI00038ED5BE
UniRef90_UPI0001DEC004
UniRef90_UPI0001DEC004
UniRef90_UPI0001DEC004
UniRef90_G3WNF2
UniRef90_UPI0003D0BE03
UniRef90_H0WZU8
UniRef90_UPI0003F09547
UniRef90_UPI000331757C
UniRef90_G3WNF3
UniRef90_G3WNF3
UniRef90_Q8K4B5
UniRef90_UPI0004432D63
UniRef90_UPI0003EE00E2
UniRef90_UPI0003EE00E2
UniRef90_UPI0003EE00E2
UniRef90_UPI0003336590
UniRef90_V8P316
UniRef90_Q5MYT9
UniRef90_UPI0002C3165E
UniRef90_UPI0004418C1B
UniRef90_UPI0004418C1B
UniRef90_H2NIQ9
UniRef90_UPI0004419F85
UniRef90_UPI0004574BD0
UniRef90_UPI0004574BD0
UniRef90_UPI0004574BD0
UniRef90_UPI0003347ACC
UniRef90_Q7TPY2
UniRef90_M3XW28
UniRef90_H0V2I1
UniRef90_H0V2I1
UniRef90_H0V2I1
UniRef90_H3BFZ3
UniRef90_V9KSC0
UniRef90_Q5MYW7
UniRef90_W5PWX2
UniRef90_D4A6N0
UniRef90_UPI00045E4EC1
UniRef90_UPI000359CCA6
UniRef90_U3K2C2
UniRef90_UPI00045746DB
UniRef90_UPI00038335F9
UniRef90_UPI0003C26F2F
UniRef90_Q5MYX0
UniRef90_U3UBD4
UniRef90_C6F104
UniRef90_F7CXR7
UniRef90_UPI000359A281
UniRef90_G3IE56
UniRef90_S7ME47
UniRef90_S4W2N2
UniRef90_B4DTS8
UniRef90_U3KNX4
UniRef90_UPI00044484B2
UniRef90_UPI0003EC2996
UniRef90_UPI0003EC2996
UniRef90_D2HRV2
UniRef90_G3IE57
UniRef90_S9WAG3
UniRef90_UPI000388E065
UniRef90_UPI0003C11D2D
UniRef90_UPI000328EF9D
UniRef90_UPI00042CB31C
UniRef90_UPI0002C664DD
UniRef90_UPI0003C48660
UniRef90_UPI000457562A
UniRef90_G3IE63
UniRef90_G3IE63
UniRef90_K7G2Z1
UniRef90_UPI00038EE470
UniRef90_V8NFT5
UniRef90_UPI0003F0C1B1
UniRef90_V9L2Z3


1 10 20 30 40
UniRef90_UPI0003C176A1
UniRef90_H2XUV5
UniRef90_UPI0003C4D877
UniRef90_C3YU73
UniRef90_K7FNI8
UniRef90_UPI00042BE345
UniRef90_D2HRV1
UniRef90_UPI0003F0BCA7
UniRef90_K1PXW6
UniRef90_C3YPK4
UniRef90_K1PY97
UniRef90_C3YU75
UniRef90_UPI0003F06400
UniRef90_A7RYP1
UniRef90_UPI0003D6E602
UniRef90_C3YU74
UniRef90_UPI0003D6FF36
UniRef90_W5ZSV8
UniRef90_H3A4H2
UniRef90_V8NRJ9
UniRef90_C3YU76
UniRef90_C3YU76
UniRef90_UPI0003C42B09
UniRef90_D2HCJ8
UniRef90_W5Q9L5
UniRef90_R7VBS6
UniRef90_M4QK19
UniRef90_A7SF47
UniRef90_T1FGW8
UniRef90_UPI00032B06F8
UniRef90_UPI0002B46042
UniRef90_UPI000388E0C1
UniRef90_C3YVD0
UniRef90_UPI000350DB9E
UniRef90_U5XFV4
UniRef90_Q8WPV7
UniRef90_H2XZL5
UniRef90_A9VDN9
UniRef90_T1IMN7
UniRef90_S1T218
UniRef90_B2FUW6
UniRef90_E9NJC6
UniRef90_V4BSN0
UniRef90_B8R4R2
UniRef90_T1JEY7
UniRef90_R7QIV2
UniRef90_I1G9X4
UniRef90_I1FX62
UniRef90_A8JAX7
UniRef90_UPI000415E659
UniRef90_C3JHP7
UniRef90_C2ZHV5
UniRef90_A8JDY2
UniRef90_UPI00037DEF21
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


50
60
70
80
UniRef90_UPI0003C176A1
UniRef90_H2XUV5
UniRef90_UPI0003C4D877
UniRef90_C3YU73
UniRef90_K7FNI8
UniRef90_UPI00042BE345
UniRef90_D2HRV1
UniRef90_UPI0003F0BCA7
UniRef90_K1PXW6
UniRef90_C3YPK4
UniRef90_K1PY97
UniRef90_C3YU75
UniRef90_UPI0003F06400
UniRef90_A7RYP1
UniRef90_UPI0003D6E602
UniRef90_C3YU74
UniRef90_UPI0003D6FF36
UniRef90_W5ZSV8
UniRef90_H3A4H2
UniRef90_V8NRJ9
UniRef90_C3YU76
UniRef90_C3YU76
UniRef90_UPI0003C42B09
UniRef90_D2HCJ8
UniRef90_W5Q9L5
UniRef90_R7VBS6
UniRef90_M4QK19
UniRef90_A7SF47
UniRef90_T1FGW8
UniRef90_UPI00032B06F8
UniRef90_UPI0002B46042
UniRef90_UPI000388E0C1
UniRef90_C3YVD0
UniRef90_UPI000350DB9E
UniRef90_U5XFV4
UniRef90_Q8WPV7
UniRef90_H2XZL5
UniRef90_A9VDN9
UniRef90_T1IMN7
UniRef90_S1T218
UniRef90_B2FUW6
UniRef90_E9NJC6
UniRef90_V4BSN0
UniRef90_B8R4R2
UniRef90_T1JEY7
UniRef90_R7QIV2
UniRef90_I1G9X4
UniRef90_I1FX62
UniRef90_A8JAX7
UniRef90_UPI000415E659
UniRef90_C3JHP7
UniRef90_C2ZHV5
UniRef90_A8JDY2
UniRef90_UPI00037DEF21
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


90
100
110
120
UniRef90_UPI0003C176A1
UniRef90_H2XUV5
UniRef90_UPI0003C4D877
UniRef90_C3YU73
UniRef90_K7FNI8
UniRef90_UPI00042BE345
UniRef90_D2HRV1
UniRef90_UPI0003F0BCA7
UniRef90_K1PXW6
UniRef90_C3YPK4
UniRef90_K1PY97
UniRef90_C3YU75
UniRef90_UPI0003F06400
UniRef90_A7RYP1
UniRef90_UPI0003D6E602
UniRef90_C3YU74
UniRef90_UPI0003D6FF36
UniRef90_W5ZSV8
UniRef90_H3A4H2
UniRef90_V8NRJ9
UniRef90_C3YU76
UniRef90_C3YU76
UniRef90_UPI0003C42B09
UniRef90_D2HCJ8
UniRef90_W5Q9L5
UniRef90_R7VBS6
UniRef90_M4QK19
UniRef90_A7SF47
UniRef90_T1FGW8
UniRef90_UPI00032B06F8
UniRef90_UPI0002B46042
UniRef90_UPI000388E0C1
UniRef90_C3YVD0
UniRef90_UPI000350DB9E
UniRef90_U5XFV4
UniRef90_Q8WPV7
UniRef90_H2XZL5
UniRef90_A9VDN9
UniRef90_T1IMN7
UniRef90_S1T218
UniRef90_B2FUW6
UniRef90_E9NJC6
UniRef90_V4BSN0
UniRef90_B8R4R2
UniRef90_T1JEY7
UniRef90_R7QIV2
UniRef90_I1G9X4
UniRef90_I1FX62
UniRef90_A8JAX7
UniRef90_UPI000415E659
UniRef90_C3JHP7
UniRef90_C2ZHV5
UniRef90_A8JDY2
UniRef90_UPI00037DEF21
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm
1 1 8 9 9 9 8 8 5 1 6 7 8 7 4 2 2 0 1 7 7 7 6 7 7 7 7 7 7 7 7 4 1 3 8 9 9 9

```
                                                  130                 140
UniRef90_UPI0003C176A1   H V A R N S L L K P L L N G V Q A K       E P W
UniRef90_H2XUV5          Y V A Q Q S L A K P
UniRef90_UPI0003C4D877
UniRef90_C3YU73          R A A R E T L Q K P F F R
UniRef90_K7FNI8
UniRef90_UPI00042BE345
UniRef90_D2HRV1
UniRef90_UPI0003F0BCA7   R L A V G S L S S P C L K K
UniRef90_K1PXW6          A K A K S L L Q A Q L F K
UniRef90_C3YPK4          Q A A R E A L Q S P L L A
UniRef90_K1PY97
UniRef90_C3YU75          R A A E E T L Q K P F F
UniRef90_UPI0003F06400   S I A Q D T L K Q
UniRef90_A7RYP1          E A A K M T L D S P F L Q S T H V T P
UniRef90_UPI0003D6E602
UniRef90_C3YU74          E A A E E T L Q K P F F
UniRef90_UPI0003D6FF36
UniRef90_W5ZSV8
UniRef90_H3A4H2
UniRef90_V8NRJ9          H V A R Q S L L K P L F
UniRef90_C3YU76          A A A K R T L Q K Q F F K
UniRef90_C3YU76          A A A K R T L Q K Q F F K
UniRef90_UPI0003C42B09
UniRef90_D2HCJ8
UniRef90_W5Q9L5
UniRef90_R7VBS6          S E Y S I W M K S L G I V L K S G S
UniRef90_M4QK19
UniRef90_A7SF47          K E V V K W L E K
UniRef90_T1FGW8          R E F F K W L T E L
UniRef90_UPI00032B06F8
UniRef90_UPI0002B46042   A E T E K W L
UniRef90_UPI000388E0C1
UniRef90_C3YVD0          H E A W I W G Q S L
UniRef90_UPI000350DB9E
UniRef90_U5XFV4
UniRef90_Q8WPV7
UniRef90_H2XZL5          Q
UniRef90_A9VDN9          G F A R E
UniRef90_T1IMN7          E V S I Q R L G S S
UniRef90_S1T218          L E A V A W
UniRef90_B2FUW6
UniRef90_E9NJC6
UniRef90_V4BSN0
UniRef90_B8R4R2
UniRef90_T1JEY7          Q V S I H R L S S
UniRef90_R7QIV2          A V A R N S L S H
UniRef90_I1G9X4
UniRef90_I1FX62
UniRef90_A8JAX7          H K S R E
UniRef90_UPI000415E659   D H A S T T L
UniRef90_C3JHP7
UniRef90_C2ZHV5          D E A D E A L G Y L
UniRef90_A8JDY2          W E A R E
UniRef90_UPI00037DEF21   Q E A F D A I S T A Y Y E P A K G Q A V E L W D V L


lupas_21
lupas_14
lupas_28
jnet
conf                     9 9 9 9 9 9 9 8 6 1 0 3 7 7 7 7 7 7 7 7 7 7 8 8 9
sol25                      B B     B B     B B B               B     B   B
sol5                       B         B         B
sol0                       B
jhmm
jpssm
```