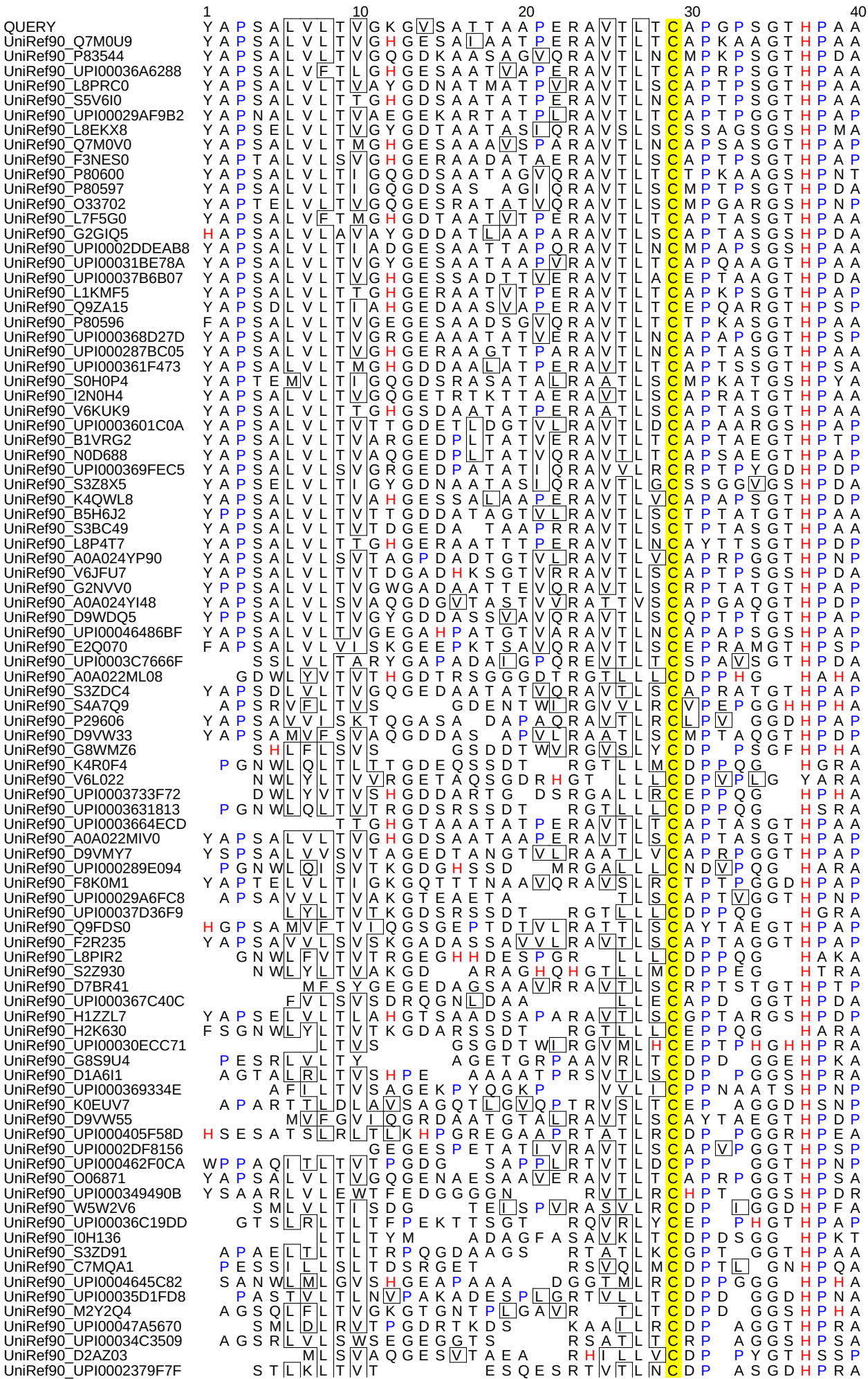
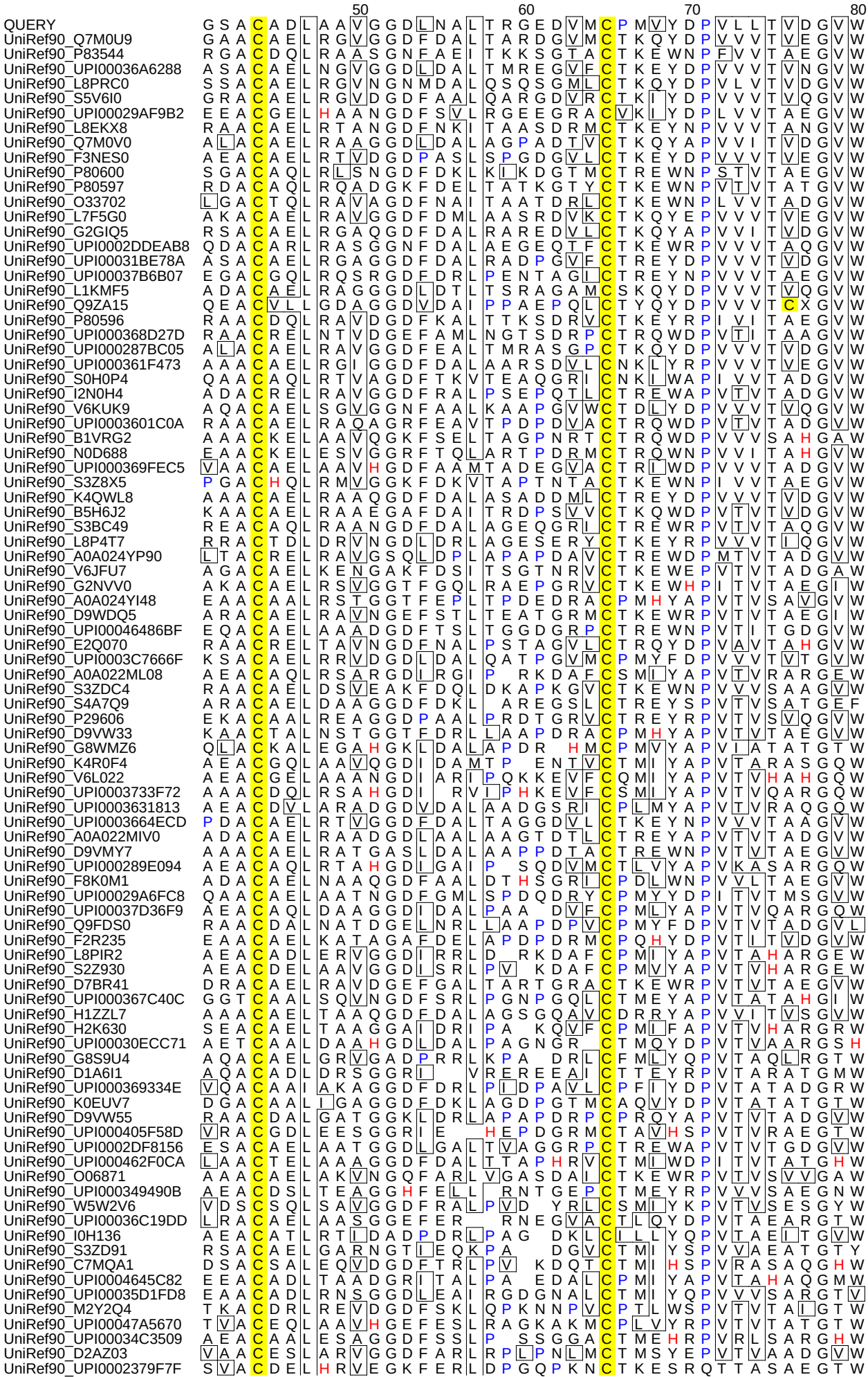
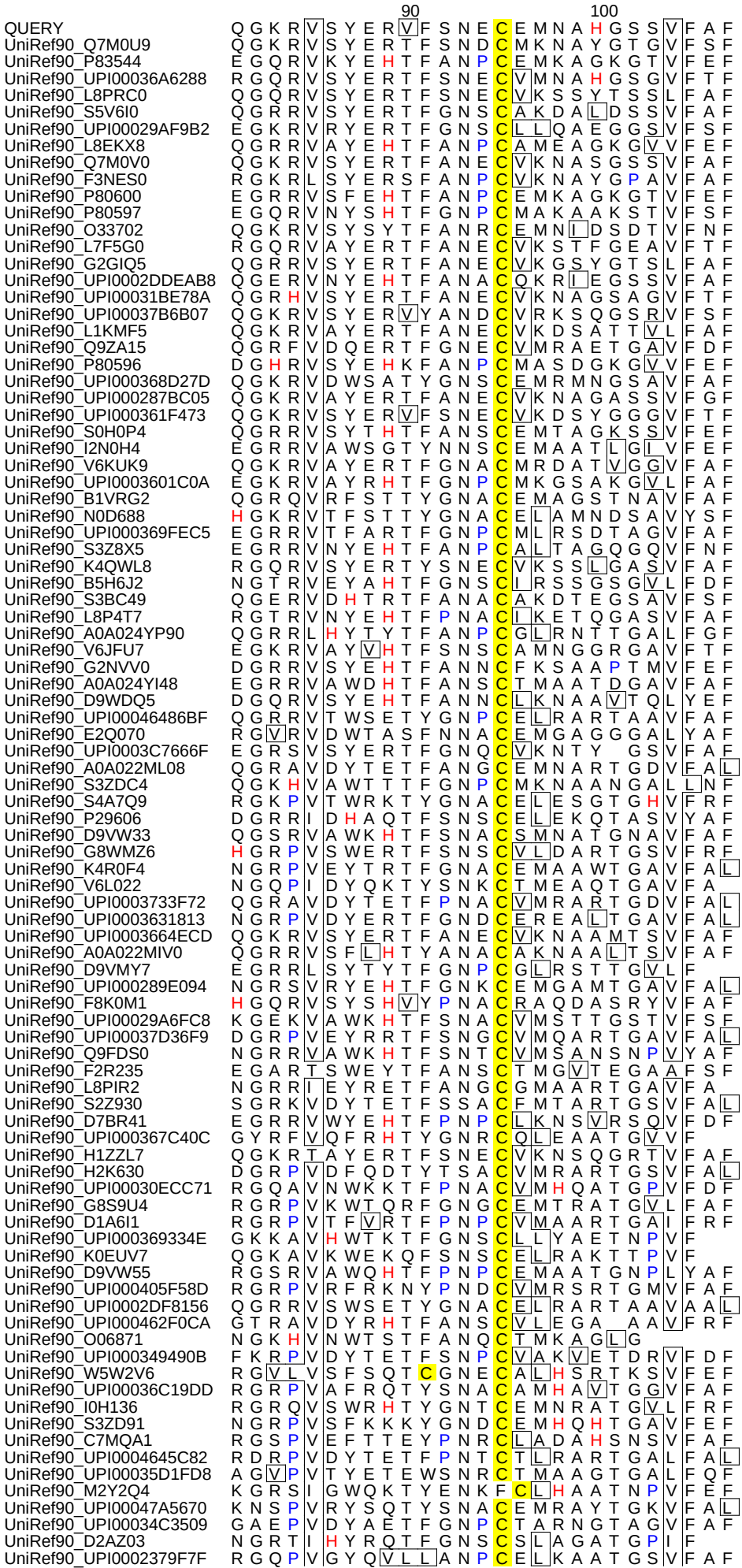
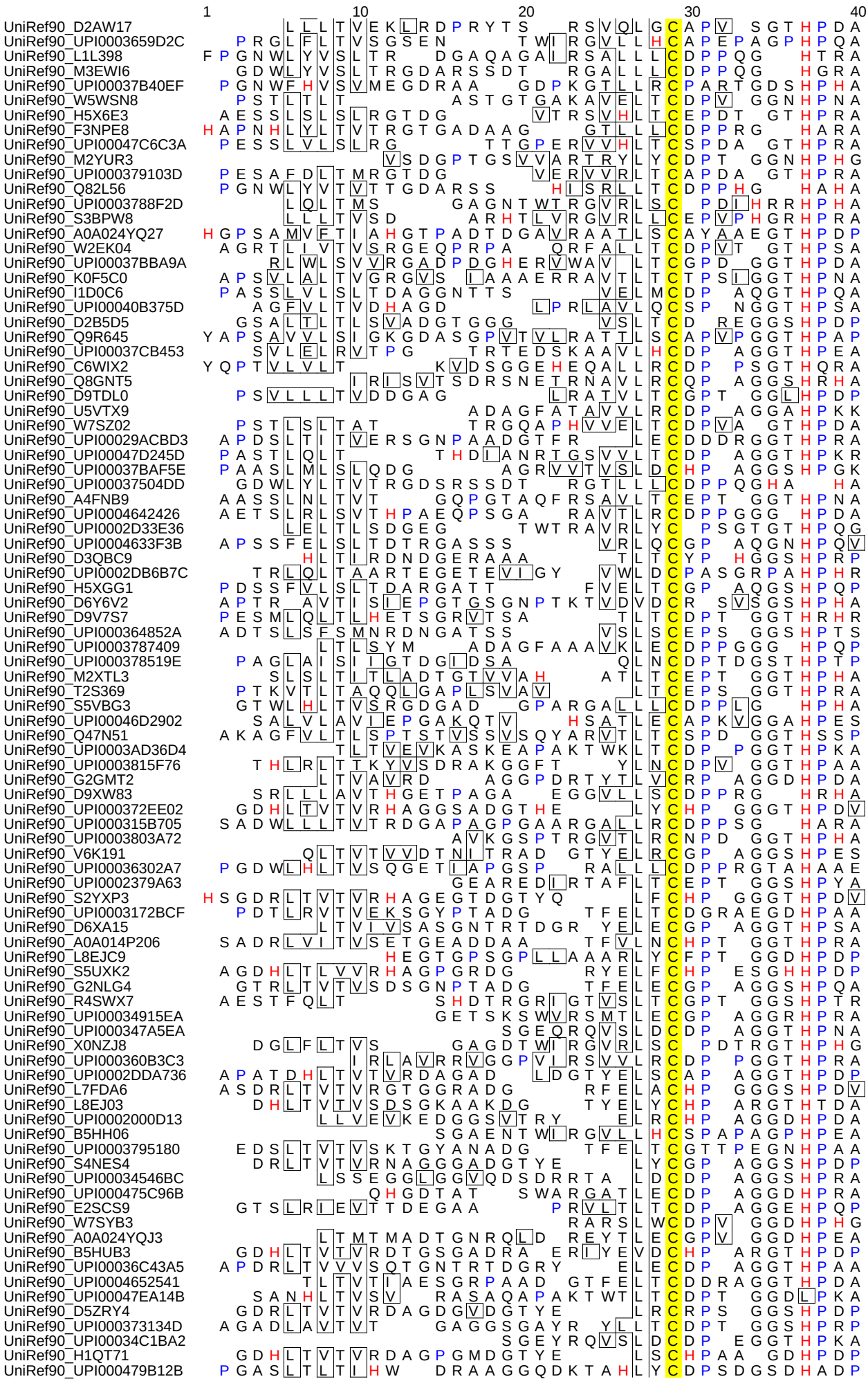
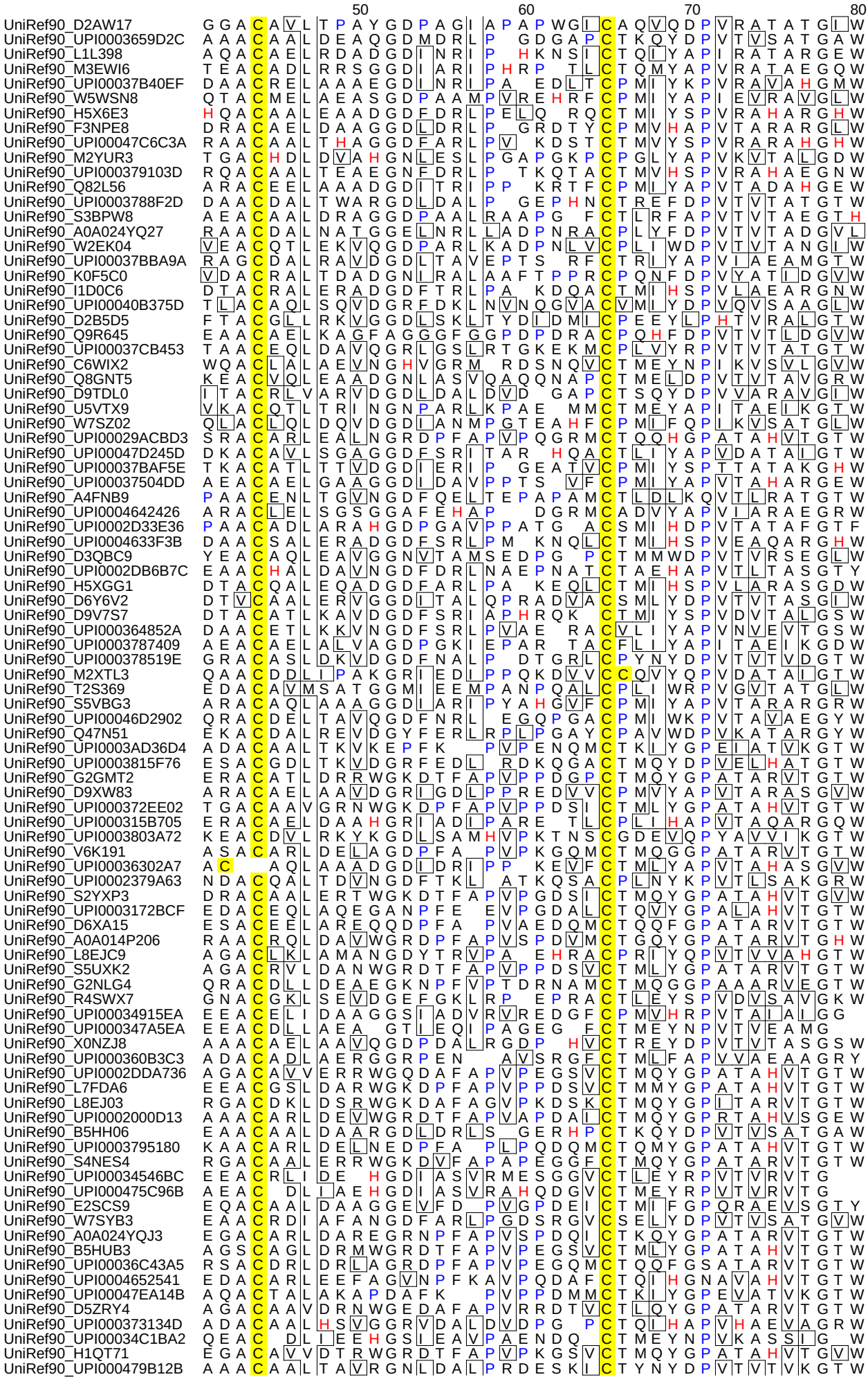
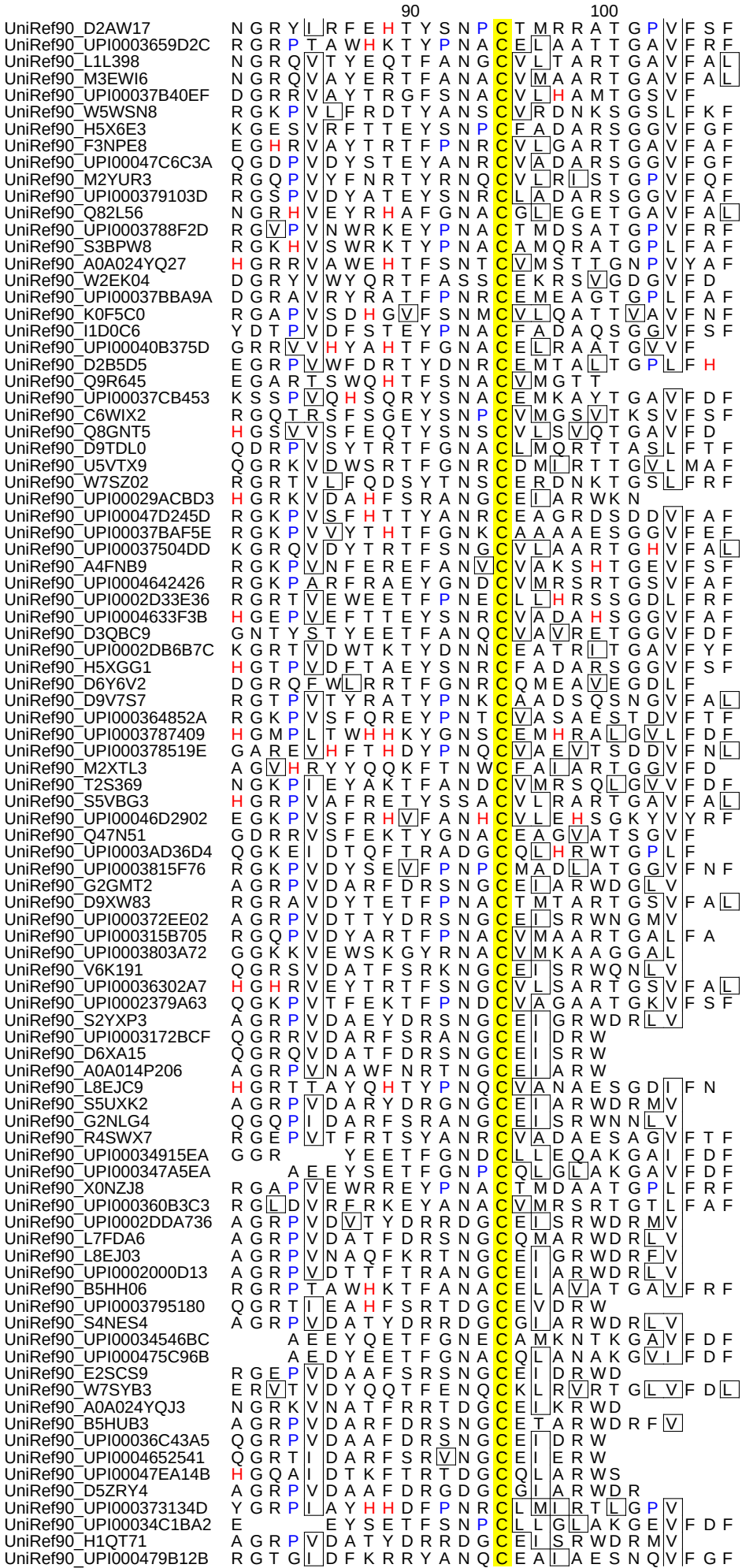

1
10
20
30
40
QUERY
UniRef90_Q7M0U9
UniRef90_P83544
UniRef90_UPI00036A6288
UniRef90_L8PRC0
UniRef90_S5V6I0
UniRef90_UPI00029AF9B2
UniRef90_L8EKX8
UniRef90_Q7M0V0
UniRef90_F3NES0
UniRef90_P80600
UniRef90_P80597
UniRef90_O33702
UniRef90_L7F5G0
UniRef90_G2GIQ5
UniRef90_UPI0002DDEAB8
UniRef90_UPI00031BE78A
UniRef90_UPI00037B6B07
UniRef90_L1KMF5
UniRef90_Q9ZA15
UniRef90_P80596
UniRef90_UPI000368D27D
UniRef90_UPI000287BC05
UniRef90_UPI000361F473
UniRef90_S0H0P4
UniRef90_I2N0H4
UniRef90_V6KUK9
UniRef90_UPI0003601C0A
UniRef90_B1VRG2
UniRef90_N0D688
UniRef90_UPI000369FEC5
UniRef90_S3Z8X5
UniRef90_K4QWL8
UniRef90_B5H6J2
UniRef90_S3BC49
UniRef90_L8P4T7
UniRef90_A0A024YP90
UniRef90_V6JFU7
UniRef90_G2NVV0
UniRef90_A0A024YI48
UniRef90_D9WDQ5
UniRef90_UPI00046486BF
UniRef90_E2Q070
UniRef90_UPI0003C7666F
UniRef90_A0A022ML08
UniRef90_S3ZDC4
UniRef90_S4A7Q9
UniRef90_P29606
UniRef90_D9VW33
UniRef90_G8WMZ6
UniRef90_K4R0F4
UniRef90_V6L022
UniRef90_UPI0003733F72
UniRef90_UPI0003631813
UniRef90_UPI0003664ECD
UniRef90_A0A022MIV0
UniRef90_D9VMY7
UniRef90_UPI000289E094
UniRef90_F8K0M1
UniRef90_UPI00029A6FC8
UniRef90_UPI00037D36F9
UniRef90_Q9FDS0
UniRef90_F2R235
UniRef90_L8PIR2
UniRef90_S2Z930
UniRef90_D7BR41
UniRef90_UPI000367C40C
UniRef90_H1ZZL7
UniRef90_H2K630
UniRef90_UPI00030ECC71
UniRef90_G8S9U4
UniRef90_D1A6I1
UniRef90_UPI000369334E
UniRef90_K0EUV7
UniRef90_D9VW55
UniRef90_UPI000405F58D
UniRef90_UPI0002DF8156
UniRef90_UPI000462F0CA
UniRef90_O06871
UniRef90_UPI000349490B
UniRef90_W5W2V6
UniRef90_UPI00036C19DD
UniRef90_I0H136
UniRef90_S3ZD91
UniRef90_C7MQA1
UniRef90_UPI0004645C82
UniRef90_UPI00035D1FD8
UniRef90_M2Y2Q4
UniRef90_UPI00047A5670
UniRef90_UPI00034C3509
UniRef90_D2AZ03
UniRef90_UPI0002379F7F

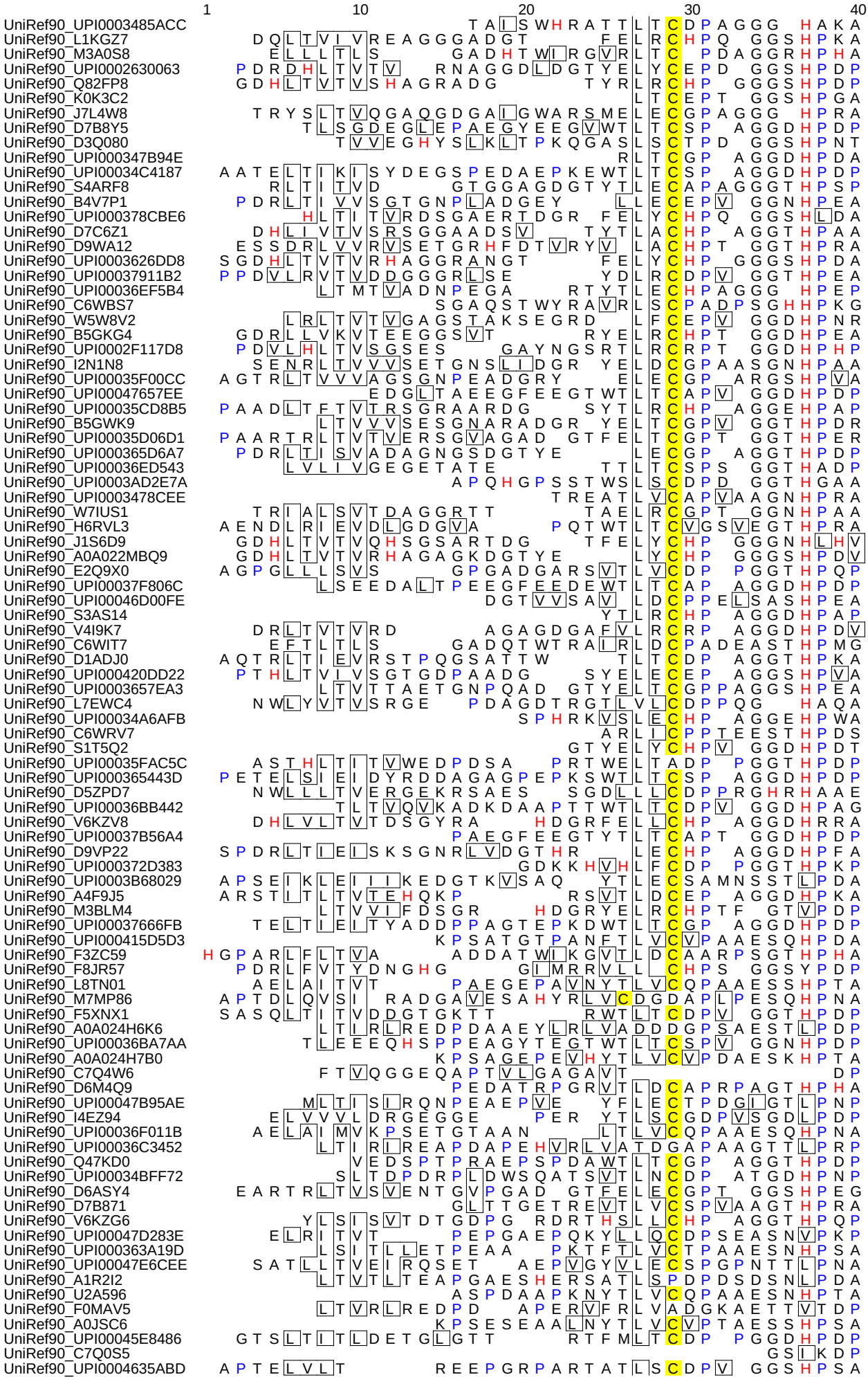

50
60
70
80
QUERY
UniRef90_Q7M0U9
UniRef90_P83544
UniRef90_UPI00036A6288
UniRef90_L8PRC0
UniRef90_S5V6I0
UniRef90_UPI00029AF9B2
UniRef90_L8EKX8
UniRef90_Q7M0V0
UniRef90_F3NES0
UniRef90_P80600
UniRef90_P80597
UniRef90_O33702
UniRef90_L7F5G0
UniRef90_G2GIQ5
UniRef90_UPI0002DDEAB8
UniRef90_UPI00031BE78A
UniRef90_UPI00037B6B07
UniRef90_L1KMF5
UniRef90_Q9ZA15
UniRef90_P80596
UniRef90_UPI000368D27D
UniRef90_UPI000287BC05
UniRef90_UPI000361F473
UniRef90_S0H0P4
UniRef90_I2N0H4
UniRef90_V6KUK9
UniRef90_UPI0003601C0A
UniRef90_B1VRG2
UniRef90_N0D688
UniRef90_UPI000369FEC5
UniRef90_S3Z8X5
UniRef90_K4QWL8
UniRef90_B5H6J2
UniRef90_S3BC49
UniRef90_L8P4T7
UniRef90_A0A024YP90
UniRef90_V6JFU7
UniRef90_G2NVV0
UniRef90_A0A024YI48
UniRef90_D9WDQ5
UniRef90_UPI00046486BF
UniRef90_E2Q070
UniRef90_UPI0003C7666F
UniRef90_A0A022ML08
UniRef90_S3ZDC4
UniRef90_S4A7Q9
UniRef90_P29606
UniRef90_D9VW33
UniRef90_G8WMZ6
UniRef90_K4R0F4
UniRef90_V6L022
UniRef90_UPI0003733F72
UniRef90_UPI0003631813
UniRef90_UPI0003664ECD
UniRef90_A0A022MIV0
UniRef90_D9VMY7
UniRef90_UPI000289E094
UniRef90_F8K0M1
UniRef90_UPI00029A6FC8
UniRef90_UPI00037D36F9
UniRef90_Q9FDS0
UniRef90_F2R235
UniRef90_L8PIR2
UniRef90_S2Z930
UniRef90_D7BR41
UniRef90_UPI000367C40C
UniRef90_H1ZZL7
UniRef90_H2K630
UniRef90_UPI00030ECC71
UniRef90_G8S9U4
UniRef90_D1A6I1
UniRef90_UPI000369334E
UniRef90_K0EUV7
UniRef90_D9VW55
UniRef90_UPI000405F58D
UniRef90_UPI0002DF8156
UniRef90_UPI000462F0CA
UniRef90_O06871
UniRef90_UPI000349490B
UniRef90_W5W2V6
UniRef90_UPI00036C19DD
UniRef90_I0H136
UniRef90_S3ZD91
UniRef90_C7MQA1
UniRef90_UPI0004645C82
UniRef90_UPI00035D1FD8
UniRef90_M2Y2Q4
UniRef90_UPI00047A5670
UniRef90_UPI00034C3509
UniRef90_D2AZ03
UniRef90_UPI0002379F7F

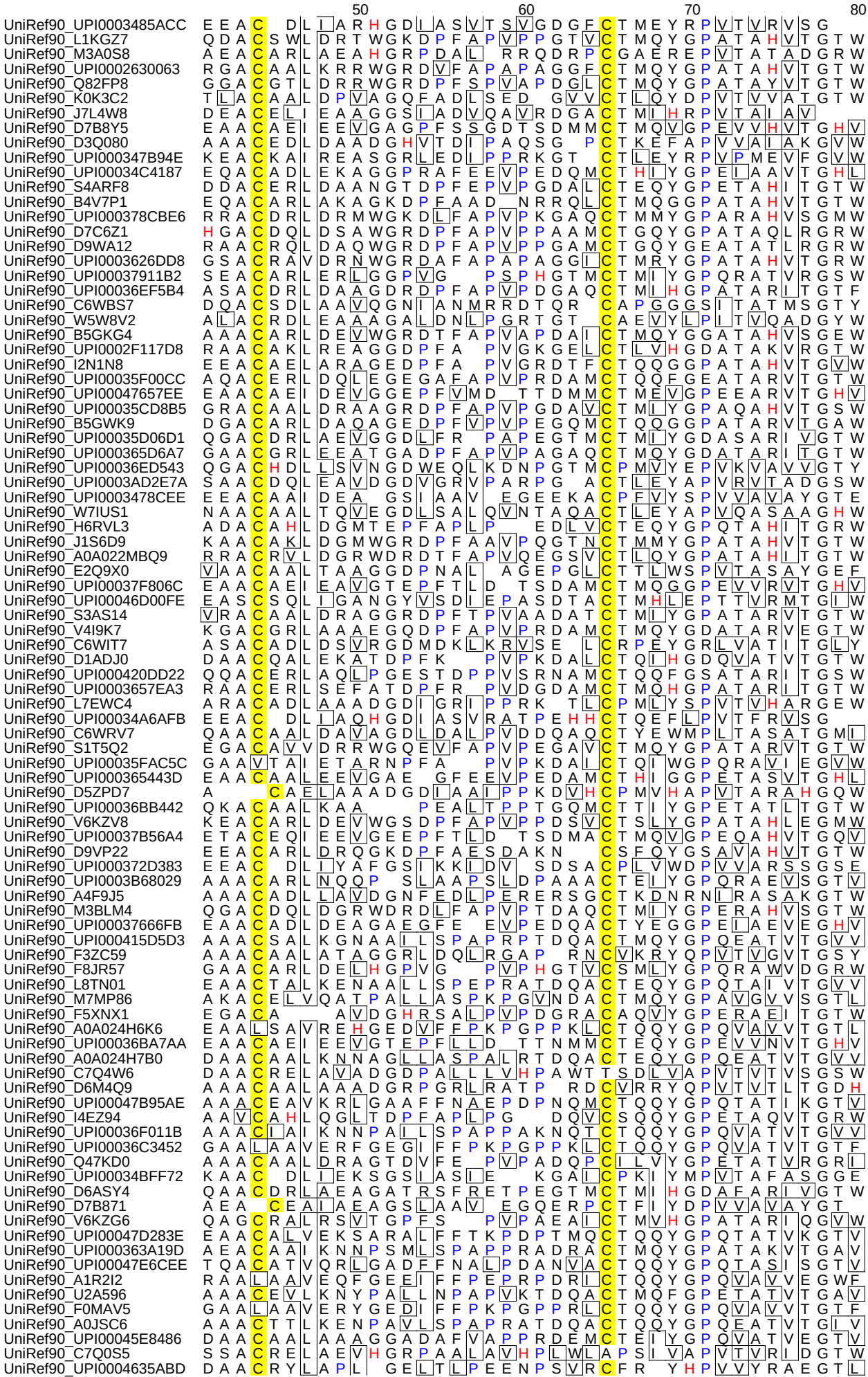

90
100
QUERY Q G K R V S Y E R V F S N E C E M N A H G S S V F A F
UniRef90_Q7M0U9 Q G K R V S Y E R T F S N D C M K N A Y G T G V F S F
UniRef90_P83544 E G Q R V K Y E H T F A N P C E M K A G K G T V F E F
UniRef90_UPI00036A6288 R G Q R V S Y E R T F S N E C V M N A H G S G V F T F
UniRef90_L8PRC0 Q G Q R V S Y E R T F S N E C V K S S Y T S S L F A F
UniRef90_S5V6I0 Q G R R V S Y E R T F G N S C A K D A L D S S V F A F
UniRef90_UPI00029AF9B2 E G K R V R Y E R T F G N S C L L Q A E G G S V F S F
UniRef90_L8EKX8 Q G R R V A Y E H T F A N P C A M E A G K G V V F E F
UniRef90_Q7M0V0 Q G K R V S Y E R T F A N E C V K N A S G S S V F A F
UniRef90_F3NES0 R G K R L S Y E R S F A N P C V K N A Y G P A V F A F
UniRef90_P80600 E G R R V S F E H T F A N P C E M K A G K G T V F E F
UniRef90_P80597 E G Q R V N Y S H T F G N P C M A K A A K S T V F S F
UniRef90_O33702 Q G K R V S Y S Y T F A N R C E M N I D S D T V F N F
UniRef90_L7F5G0 R G Q R V A Y E R T F A N E C V K S T F G E A V F T F
UniRef90_G2GIQ5 Q G R R V S Y E R T F A N E C V K G S Y G T S L F A F
UniRef90_UPI0002DDEAB8 Q G E R V N Y E H T F A N A C Q K R I E G S S V F A F
UniRef90_UPI00031BE78A Q G R H V S Y E R T F A N E C V K N A G S A G V F T F
UniRef90_UPI00037B6B07 Q G K R V S Y E R V Y A N D C V R K S Q G S R V F S F
UniRef90_L1KMF5 Q G K R V A Y E R T F A N E C V K D S A T T V L F A F
UniRef90_Q9ZA15 Q G R F V D Q E R T F G N E C V M R A E T G A V F D F
UniRef90_P80596 D G H R V S Y E H K F A N P C M A S D G K G V V F E F
UniRef90_UPI000368D27D Q G K R V D W S A T Y G N S C E M R M N G S A V F A F
UniRef90_UPI000287BC05 Q G K R V A Y E R T F A N E C V K N A G A S S V F G F
UniRef90_UPI000361F473 Q G K R V S Y E R V F S N E C V K D S Y G G G V F T F
UniRef90_S0H0P4 Q G R R V S Y T H T F A N S C E M T A G K S S V F E F
UniRef90_I2N0H4 E G R R V A W S G T Y N N S C E M A A T L G I V F E F
UniRef90_V6KUK9 Q G K R V A Y E R T F G N A C M R D A T V G G V F A F
UniRef90_UPI0003601C0A E G K R V A Y R H T F G N P C M K G S A K G V L F A F
UniRef90_B1VRG2 Q G R Q V R F S T T Y G N A C E M A G S T N A V F A F
UniRef90_N0D688 H G K R V T F S T T Y G N A C E L A M N D S A V Y S F
UniRef90_UPI000369FEC5 E G R R V T F A R T F G N P C M L R S D T A G V F A F
UniRef90_S3Z8X5 E G R R V N Y E H T F A N P C A L T A G Q G Q V F N F
UniRef90_K4QWL8 R G Q R V S Y E R T Y S N E C V K S S L G A S V F A F
UniRef90_B5H6J2 N G T R V E Y A H T F G N S C I R S S G S G V L F D F
UniRef90_S3BC49 Q G E R V D H T R T F A N A C A K D T E G S A V F S F
UniRef90_L8P4T7 R G T R V N Y E H T F P N A C I K E T Q G A S V F A F
UniRef90_A0A024YP90 Q G R R L H Y T Y T F A N P C G L R N T T G A L F G F
UniRef90_V6JFU7 E G K R V A Y V H T F S N S C A M N G G R G A V F T F
UniRef90_G2NVV0 D G R R V S Y E H T F A N N C F K S A A P T M V F E F
UniRef90_A0A024YI48 E G R R V A W D H T F A N S C T M A A T D G A V F A F
UniRef90_D9WDQ5 D G Q R V S Y E H T F A N N C L K N A A V T Q L Y E F
UniRef90_UPI00046486BF Q G R R V T W S E T Y G N P C E L R A R T A A V F A F
UniRef90_E2Q070 R G V R V D W T A S F N N A C E M G A G G G A L Y A F
UniRef90_UPI0003C7666F E G R S V S Y E R T F G N Q C V K N T Y G S V F A F
UniRef90_A0A022ML08 Q G R A V D Y T E T F A N G C E M N A R T G D V F A L
UniRef90_S3ZDC4 Q G K H V A W T T T F G N P C M K N A A N G A L L N F
UniRef90_S4A7Q9 R G K P V T W R K T Y G N A C E L E S G T G H V F R F
UniRef90_P29606 D G R R I D H A Q T F S N S C E L E K Q T A S V Y A F
UniRef90_D9VW33 Q G S R V A W K H T F S N A C S M N A T G N A V F A F
UniRef90_G8WMZ6 H G R P V S W E R T F S N S C V L D A R T G S V F R F
UniRef90_K4R0F4 N G R P V E Y T R T F G N A C E M A A W T G A V F A L
UniRef90_V6L022 N G Q P I D Y Q K T Y S N K C T M E A Q T G A V F A
UniRef90_UPI0003733F72 Q G R A V D Y T E T F P N A C V M R A R T G D V F A L
UniRef90_UPI0003631813 N G R P V D Y E R T F G N D C E R E A L T G A V F A L
UniRef90_UPI0003664ECD Q G K R V S Y E R T F A N E C V K N A A M T S V F A F
UniRef90_A0A022MIV0 Q G R R V S F L H T Y A N A C A K N A A L T S V F A F
UniRef90_D9VMY7 E G R R L S Y T Y T F G N P C G L R S T T G V L F
UniRef90_UPI000289E094 N G R S V R Y E H T F G N K C E M G A M T G A V F A L
UniRef90_F8K0M1 H G Q R V S Y S H V Y P N A C R A Q D A S R Y V F A F
UniRef90_UPI00029A6FC8 K G E K V A W K H T F S N A C V M S T T G S T V F S F
UniRef90_UPI00037D36F9 D G R P V E Y R R T F S N G C V M Q A R T G A V F A L
UniRef90_Q9FDS0 N G R R V A W K H T F S N T C V M S A N S N P V Y A F
UniRef90_F2R235 E G A R T S W E Y T F A N S C T M G V T E G A A F S F
UniRef90_L8PIR2 N G R R I E Y R E T F A N G C G M A A R T G A V F A
UniRef90_S2Z930 S G R K V D Y T E T F S S A C F M T A R T G S V F A L
UniRef90_D7BR41 E G R R V W Y E H T F P N P C L K N S V R S Q V F D F
UniRef90_UPI000367C40C G Y R F V Q F R H T Y G N R C Q L E A A T G V V F
UniRef90_H1ZZL7 Q G K R T A Y E R T F S N E C V K N S Q G R T V F A F
UniRef90_H2K630 D G R P V D F Q D T Y T S A C V M R A R T G S V F A L
UniRef90_UPI00030ECC71 R G Q A V N W K K T F P N A C V M H Q A T G P V F D F
UniRef90_G8S9U4 R G R P V K W T Q R F G N G C E M T R A T G V L F A F
UniRef90_D1A6I1 R G R P V T F V R T F P N P C V M A A R T G A I F R F
UniRef90_UPI000369334E G K K A V H W T K T F G N S C L L Y A E T N P V F
UniRef90_K0EUV7 Q G K A V K W E K Q F S N S C E L R A K T T P V F
UniRef90_D9VW55 R G S R V A W Q H T F P N P C E M A A T G N P L Y A F
UniRef90_UPI000405F58D R G R P V R F R K N Y P N D C V M R S R T G M V F A F
UniRef90_UPI0002DF8156 Q G R R V S W S E T Y G N A C E L R A R T A A V A A L
UniRef90_UPI000462F0CA G T R A V D Y R H T F A N S C V L E G A A A V F R F
UniRef90_O06871 N G K H V N W T S T F A N Q C T M K A G L G
UniRef90_UPI000349490B F K R P V D Y T E T F S N P C V A K V E T D R V F D F
UniRef90_W5W2V6 R G V L V S F S Q T C G N E C A L H S R T K S V F E F
UniRef90_UPI00036C19DD R G R P V A F R Q T Y S N A C A M H A V T G G V F A F
UniRef90_I0H136 R G R Q V S W R H T Y G N T C E M N R A T G V L F R F
UniRef90_S3ZD91 N G R P V S F K K K Y G N D C E M H Q H T G A V F E F
UniRef90_C7MQA1 R G S P V E F T T E Y P N R C L A D A H S N S V F A F
UniRef90_UPI0004645C82 R D R P V D Y T E T F P N T C T L R A R T G A L F A L
UniRef90_UPI00035D1FD8 A G V P V T Y E T E W S N R C T M A A G T G A L F Q F
UniRef90_M2Y2Q4 K G R S I G W Q K T Y E N K F C L H A A T N P V F E F
UniRef90_UPI00047A5670 K N S P V R Y S Q T Y S N A C E M R A Y T G K V F A L
UniRef90_UPI00034C3509 G A E P V D Y A E T F G N P C T A R N G T A G V F A F
UniRef90_D2AZ03 N G R T I H Y R Q T F G N S C S L A G A T G P I F
UniRef90_UPI0002379F7F R G Q P V G Y Q V L L A N P C E L K A A T G S V F A F

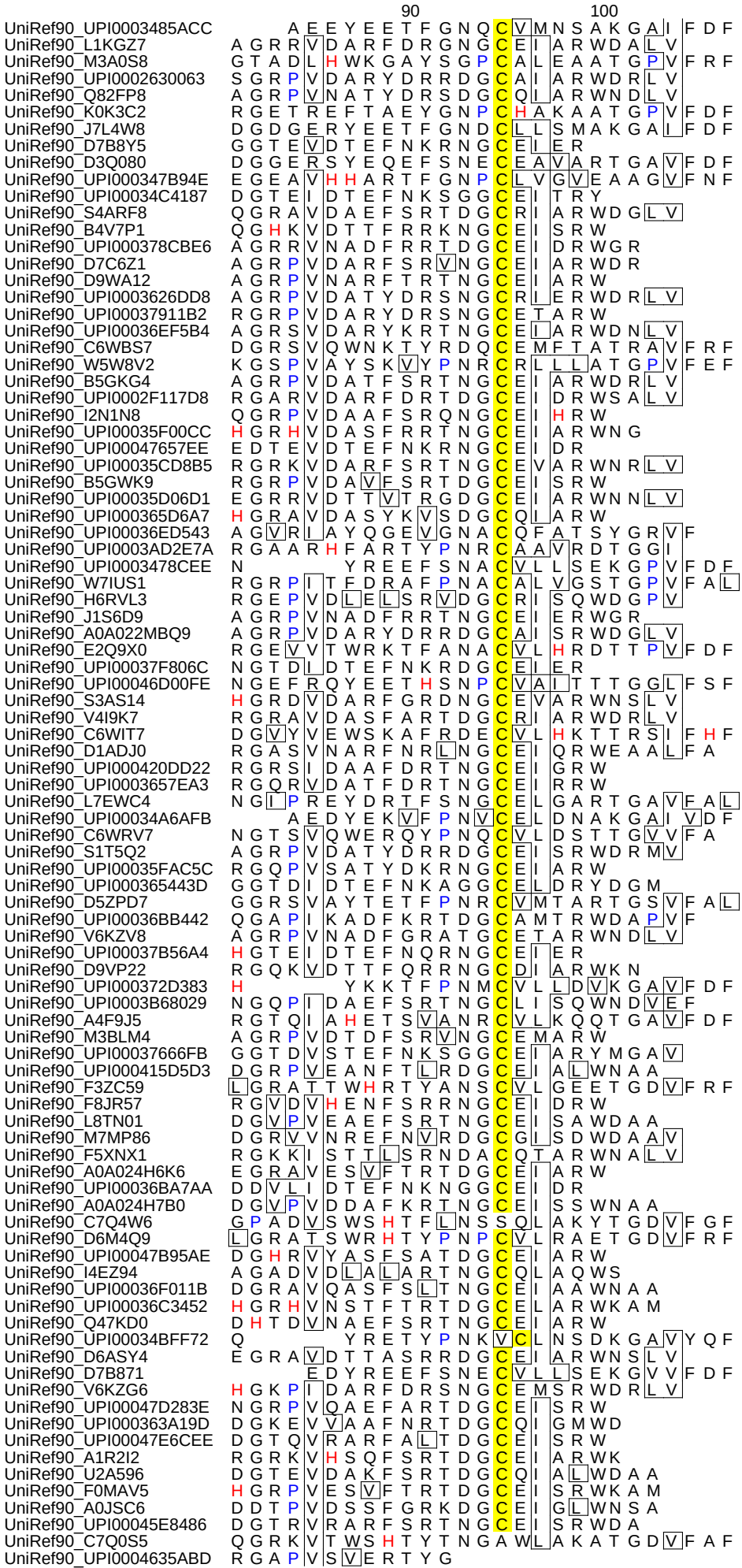

1
10
20
30
40
UniRef90_D2AW17
UniRef90_UPI0003659D2C
UniRef90_L1L398
UniRef90_M3EWI6
UniRef90_UPI00037B40EF
UniRef90_W5WSN8
UniRef90_H5X6E3
UniRef90_F3NPE8
UniRef90_UPI00047C6C3A
UniRef90_M2YUR3
UniRef90_UPI000379103D
UniRef90_Q82L56
UniRef90_UPI0003788F2D
UniRef90_S3BPW8
UniRef90_A0A024YQ27
UniRef90_W2EK04
UniRef90_UPI00037BBA9A
UniRef90_K0F5C0
UniRef90_I1D0C6
UniRef90_UPI00040B375D
UniRef90_D2B5D5
UniRef90_Q9R645
UniRef90_UPI00037CB453
UniRef90_C6WIX2
UniRef90_Q8GNT5
UniRef90_D9TDL0
UniRef90_U5VTX9
UniRef90_W7SZ02
UniRef90_UPI00029ACBD3
UniRef90_UPI00047D245D
UniRef90_UPI00037BAF5E
UniRef90_UPI00037504DD
UniRef90_A4FNB9
UniRef90_UPI0004642426
UniRef90_UPI0002D33E36
UniRef90_UPI0004633F3B
UniRef90_D3QBC9
UniRef90_UPI0002DB6B7C
UniRef90_H5XGG1
UniRef90_D6Y6V2
UniRef90_D9V7S7
UniRef90_UPI000364852A
UniRef90_UPI0003787409
UniRef90_UPI000378519E
UniRef90_M2XTL3
UniRef90_T2S369
UniRef90_S5VBG3
UniRef90_UPI00046D2902
UniRef90_Q47N51
UniRef90_UPI0003AD36D4
UniRef90_UPI0003815F76
UniRef90_G2GMT2
UniRef90_D9XW83
UniRef90_UPI000372EE02
UniRef90_UPI000315B705
UniRef90_UPI0003803A72
UniRef90_V6K191
UniRef90_UPI00036302A7
UniRef90_UPI0002379A63
UniRef90_S2YXP3
UniRef90_UPI0003172BCF
UniRef90_D6XA15
UniRef90_A0A014P206
UniRef90_L8EJC9
UniRef90_S5UXK2
UniRef90_G2NLG4
UniRef90_R4SWX7
UniRef90_UPI00034915EA
UniRef90_UPI000347A5EA
UniRef90_X0NZJ8
UniRef90_UPI000360B3C3
UniRef90_UPI0002DDA736
UniRef90_L7FDA6
UniRef90_L8EJ03
UniRef90_UPI0002000D13
UniRef90_B5HH06
UniRef90_UPI0003795180
UniRef90_S4NES4
UniRef90_UPI00034546BC
UniRef90_UPI000475C96B
UniRef90_E2SCS9
UniRef90_W7SYB3
UniRef90_A0A024YQJ3
UniRef90_B5HUB3
UniRef90_UPI00036C43A5
UniRef90_UPI0004652541
UniRef90_UPI00047EA14B
UniRef90_D5ZRY4
UniRef90_UPI000373134D
UniRef90_UPI00034C1BA2
UniRef90_H1QT71
UniRef90_UPI000479B12B

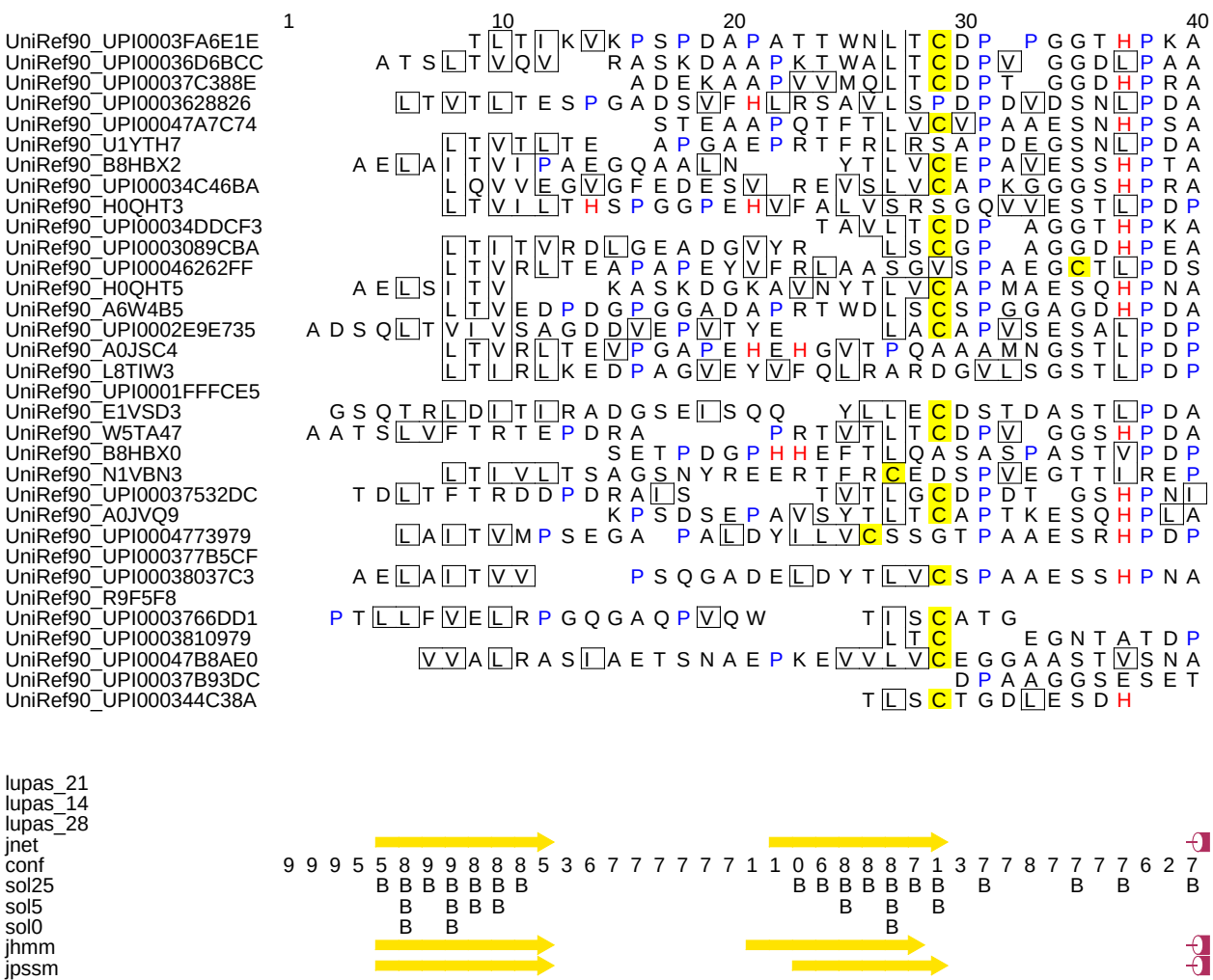

50
60
70
80
UniRef90_D2AW17
UniRef90_UPI0003659D2C
UniRef90_L1L398
UniRef90_M3EWI6
UniRef90_UPI00037B40EF
UniRef90_W5WSN8
UniRef90_H5X6E3
UniRef90_F3NPE8
UniRef90_UPI00047C6C3A
UniRef90_M2YUR3
UniRef90_UPI000379103D
UniRef90_Q82L56
UniRef90_UPI0003788F2D
UniRef90_S3BPW8
UniRef90_A0A024YQ27
UniRef90_W2EK04
UniRef90_UPI00037BBA9A
UniRef90_K0F5C0
UniRef90_I1D0C6
UniRef90_UPI00040B375D
UniRef90_D2B5D5
UniRef90_Q9R645
UniRef90_UPI00037CB453
UniRef90_C6WIX2
UniRef90_Q8GNT5
UniRef90_D9TDL0
UniRef90_U5VTX9
UniRef90_W7SZ02
UniRef90_UPI00029ACBD3
UniRef90_UPI00047D245D
UniRef90_UPI00037BAF5E
UniRef90_UPI00037504DD
UniRef90_A4FNB9
UniRef90_UPI0004642426
UniRef90_UPI0002D33E36
UniRef90_UPI0004633F3B
UniRef90_D3QBC9
UniRef90_UPI0002DB6B7C
UniRef90_H5XGG1
UniRef90_D6Y6V2
UniRef90_D9V7S7
UniRef90_UPI000364852A
UniRef90_UPI0003787409
UniRef90_UPI000378519E
UniRef90_M2XTL3
UniRef90_T2S369
UniRef90_S5VBG3
UniRef90_UPI00046D2902
UniRef90_Q47N51
UniRef90_UPI0003AD36D4
UniRef90_UPI0003815F76
UniRef90_G2GMT2
UniRef90_D9XW83
UniRef90_UPI000372EE02
UniRef90_UPI000315B705
UniRef90_UPI0003803A72
UniRef90_V6K191
UniRef90_UPI00036302A7
UniRef90_UPI0002379A63
UniRef90_S2YXP3
UniRef90_UPI0003172BCF
UniRef90_D6XA15
UniRef90_A0A014P206
UniRef90_L8EJC9
UniRef90_S5UXK2
UniRef90_G2NLG4
UniRef90_R4SWX7
UniRef90_UPI00034915EA
UniRef90_UPI000347A5EA
UniRef90_X0NZJ8
UniRef90_UPI000360B3C3
UniRef90_UPI0002DDA736
UniRef90_L7FDA6
UniRef90_L8EJ03
UniRef90_UPI0002000D13
UniRef90_B5HH06
UniRef90_UPI0003795180
UniRef90_S4NES4
UniRef90_UPI00034546BC
UniRef90_UPI000475C96B
UniRef90_E2SCS9
UniRef90_W7SYB3
UniRef90_A0A024YQJ3
UniRef90_B5HUB3
UniRef90_UPI00036C43A5
UniRef90_UPI0004652541
UniRef90_UPI00047EA14B
UniRef90_D5ZRY4
UniRef90_UPI000373134D
UniRef90_UPI00034C1BA2
UniRef90_H1QT71
UniRef90_UPI000479B12B

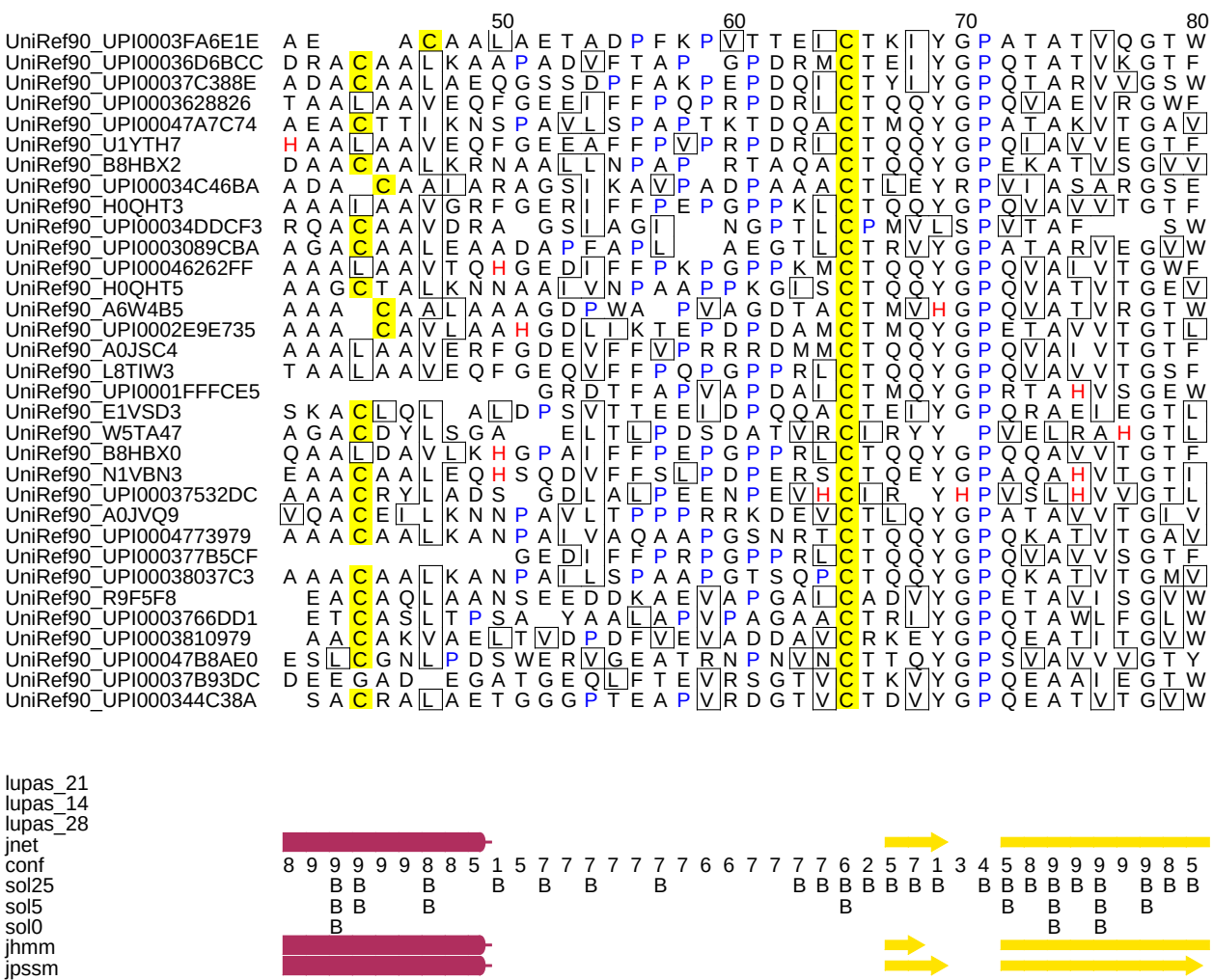

90
100
UniRef90_D2AW17
UniRef90_UPI0003659D2C
UniRef90_L1L398
UniRef90_M3EWI6
UniRef90_UPI00037B40EF
UniRef90_W5WSN8
UniRef90_H5X6E3
UniRef90_F3NPE8
UniRef90_UPI00047C6C3A
UniRef90_M2YUR3
UniRef90_UPI000379103D
UniRef90_Q82L56
UniRef90_UPI0003788F2D
UniRef90_S3BPW8
UniRef90_A0A024YQ27
UniRef90_W2EK04
UniRef90_UPI00037BBA9A
UniRef90_K0F5C0
UniRef90_I1D0C6
UniRef90_UPI00040B375D
UniRef90_D2B5D5
UniRef90_Q9R645
UniRef90_UPI00037CB453
UniRef90_C6WIX2
UniRef90_Q8GNT5
UniRef90_D9TDL0
UniRef90_U5VTX9
UniRef90_W7SZ02
UniRef90_UPI00029ACBD3
UniRef90_UPI00047D245D
UniRef90_UPI00037BAF5E
UniRef90_UPI00037504DD
UniRef90_A4FNB9
UniRef90_UPI0004642426
UniRef90_UPI0002D33E36
UniRef90_UPI0004633F3B
UniRef90_D3QBC9
UniRef90_UPI0002DB6B7C
UniRef90_H5XGG1
UniRef90_D6Y6V2
UniRef90_D9V7S7
UniRef90_UPI000364852A
UniRef90_UPI0003787409
UniRef90_UPI000378519E
UniRef90_M2XTL3
UniRef90_T2S369
UniRef90_S5VBG3
UniRef90_UPI00046D2902
UniRef90_Q47N51
UniRef90_UPI0003AD36D4
UniRef90_UPI0003815F76
UniRef90_G2GMT2
UniRef90_D9XW83
UniRef90_UPI000372EE02
UniRef90_UPI000315B705
UniRef90_UPI0003803A72
UniRef90_V6K191
UniRef90_UPI00036302A7
UniRef90_UPI0002379A63
UniRef90_S2YXP3
UniRef90_UPI0003172BCF
UniRef90_D6XA15
UniRef90_A0A014P206
UniRef90_L8EJC9
UniRef90_S5UXK2
UniRef90_G2NLG4
UniRef90_R4SWX7
UniRef90_UPI00034915EA
UniRef90_UPI000347A5EA
UniRef90_X0NZJ8
UniRef90_UPI000360B3C3
UniRef90_UPI0002DDA736
UniRef90_L7FDA6
UniRef90_L8EJ03
UniRef90_UPI0002000D13
UniRef90_B5HH06
UniRef90_UPI0003795180
UniRef90_S4NES4
UniRef90_UPI00034546BC
UniRef90_UPI000475C96B
UniRef90_E2SCS9
UniRef90_W7SYB3
UniRef90_A0A024YQJ3
UniRef90_B5HUB3
UniRef90_UPI00036C43A5
UniRef90_UPI0004652541
UniRef90_UPI00047EA14B
UniRef90_D5ZRY4
UniRef90_UPI000373134D
UniRef90_UPI00034C1BA2
UniRef90_H1QT71
UniRef90_UPI000479B12B

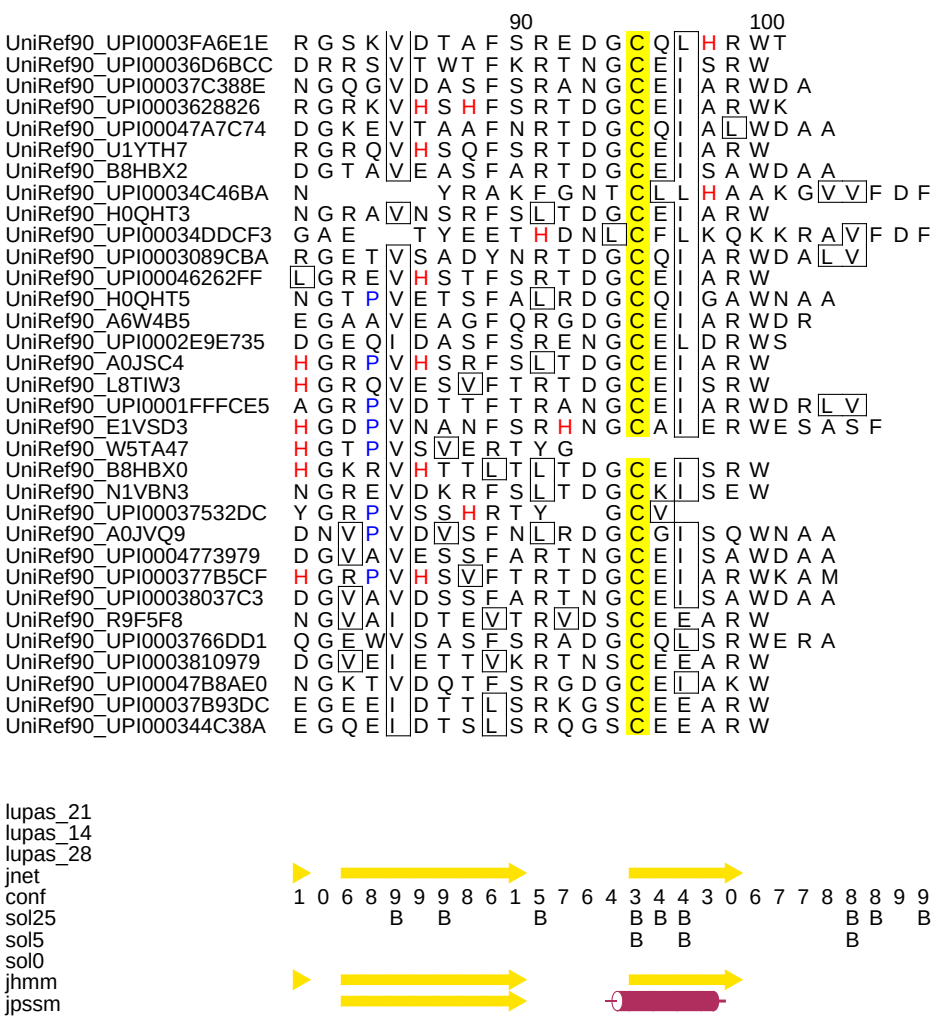

1
10
20
30
40
UniRef90_UPI0003485ACC
UniRef90_L1KGZ7
UniRef90_M3A0S8
UniRef90_UPI0002630063
UniRef90_Q82FP8
UniRef90_K0K3C2
UniRef90_J7L4W8
UniRef90_D7B8Y5
UniRef90_D3Q080
UniRef90_UPI000347B94E
UniRef90_UPI00034C4187
UniRef90_S4ARF8
UniRef90_B4V7P1
UniRef90_UPI000378CBE6
UniRef90_D7C6Z1
UniRef90_D9WA12
UniRef90_UPI0003626DD8
UniRef90_UPI00037911B2
UniRef90_UPI00036EF5B4
UniRef90_C6WBS7
UniRef90_W5W8V2
UniRef90_B5GKG4
UniRef90_UPI0002F117D8
UniRef90_I2N1N8
UniRef90_UPI00035F00CC
UniRef90_UPI00047657EE
UniRef90_UPI00035CD8B5
UniRef90_B5GWK9
UniRef90_UPI00035D06D1
UniRef90_UPI000365D6A7
UniRef90_UPI00036ED543
UniRef90_UPI0003AD2E7A
UniRef90_UPI0003478CEE
UniRef90_W7IUS1
UniRef90_H6RVL3
UniRef90_J1S6D9
UniRef90_A0A022MBQ9
UniRef90_E2Q9X0
UniRef90_UPI00037F806C
UniRef90_UPI00046D00FE
UniRef90_S3AS14
UniRef90_V4I9K7
UniRef90_C6WIT7
UniRef90_D1ADJ0
UniRef90_UPI000420DD22
UniRef90_UPI0003657EA3
UniRef90_L7EWC4
UniRef90_UPI00034A6AFB
UniRef90_C6WRV7
UniRef90_S1T5Q2
UniRef90_UPI00035FAC5C
UniRef90_UPI000365443D
UniRef90_D5ZPD7
UniRef90_UPI00036BB442
UniRef90_V6KZV8
UniRef90_UPI00037B56A4
UniRef90_D9VP22
UniRef90_UPI000372D383
UniRef90_UPI0003B68029
UniRef90_A4F9J5
UniRef90_M3BLM4
UniRef90_UPI00037666FB
UniRef90_UPI000415D5D3
UniRef90_F3ZC59
UniRef90_F8JR57
UniRef90_L8TN01
UniRef90_M7MP86
UniRef90_F5XNX1
UniRef90_A0A024H6K6
UniRef90_UPI00036BA7AA
UniRef90_A0A024H7B0
UniRef90_C7Q4W6
UniRef90_D6M4Q9
UniRef90_UPI00047B95AE
UniRef90_I4EZ94
UniRef90_UPI00036F011B
UniRef90_UPI00036C3452
UniRef90_Q47KD0
UniRef90_UPI00034BFF72
UniRef90_D6ASY4
UniRef90_D7B871
UniRef90_V6KZG6
UniRef90_UPI00047D283E
UniRef90_UPI000363A19D
UniRef90_UPI00047E6CEE
UniRef90_A1R2I2
UniRef90_U2A596
UniRef90_F0MAV5
UniRef90_A0JSC6
UniRef90_UPI00045E8486
UniRef90_C7Q0S5
UniRef90_UPI0004635ABD


50
60
70
80
UniRef90_UPI0003485ACC
UniRef90_L1KGZ7
UniRef90_M3A0S8
UniRef90_UPI0002630063
UniRef90_Q82FP8
UniRef90_K0K3C2
UniRef90_J7L4W8
UniRef90_D7B8Y5
UniRef90_D3Q080
UniRef90_UPI000347B94E
UniRef90_UPI00034C4187
UniRef90_S4ARF8
UniRef90_B4V7P1
UniRef90_UPI000378CBE6
UniRef90_D7C6Z1
UniRef90_D9WA12
UniRef90_UPI0003626DD8
UniRef90_UPI00037911B2
UniRef90_UPI00036EF5B4
UniRef90_C6WBS7
UniRef90_W5W8V2
UniRef90_B5GKG4
UniRef90_UPI0002F117D8
UniRef90_I2N1N8
UniRef90_UPI00035F00CC
UniRef90_UPI00047657EE
UniRef90_UPI00035CD8B5
UniRef90_B5GWK9
UniRef90_UPI00035D06D1
UniRef90_UPI000365D6A7
UniRef90_UPI00036ED543
UniRef90_UPI0003AD2E7A
UniRef90_UPI0003478CEE
UniRef90_W7IUS1
UniRef90_H6RVL3
UniRef90_J1S6D9
UniRef90_A0A022MBQ9
UniRef90_E2Q9X0
UniRef90_UPI00037F806C
UniRef90_UPI00046D00FE
UniRef90_S3AS14
UniRef90_V4I9K7
UniRef90_C6WIT7
UniRef90_D1ADJ0
UniRef90_UPI000420DD22
UniRef90_UPI0003657EA3
UniRef90_L7EWC4
UniRef90_UPI00034A6AFB
UniRef90_C6WRV7
UniRef90_S1T5Q2
UniRef90_UPI00035FAC5C
UniRef90_UPI000365443D
UniRef90_D5ZPD7
UniRef90_UPI00036BB442
UniRef90_V6KZV8
UniRef90_UPI00037B56A4
UniRef90_D9VP22
UniRef90_UPI000372D383
UniRef90_UPI0003B68029
UniRef90_A4F9J5
UniRef90_M3BLM4
UniRef90_UPI00037666FB
UniRef90_UPI000415D5D3
UniRef90_F3ZC59
UniRef90_F8JR57
UniRef90_L8TN01
UniRef90_M7MP86
UniRef90_F5XNX1
UniRef90_A0A024H6K6
UniRef90_UPI00036BA7AA
UniRef90_A0A024H7B0
UniRef90_C7Q4W6
UniRef90_D6M4Q9
UniRef90_UPI00047B95AE
UniRef90_I4EZ94
UniRef90_UPI00036F011B
UniRef90_UPI00036C3452
UniRef90_Q47KD0
UniRef90_UPI00034BFF72
UniRef90_D6ASY4
UniRef90_D7B871
UniRef90_V6KZG6
UniRef90_UPI00047D283E
UniRef90_UPI000363A19D
UniRef90_UPI00047E6CEE
UniRef90_A1R2I2
UniRef90_U2A596
UniRef90_F0MAV5
UniRef90_A0JSC6
UniRef90_UPI00045E8486
UniRef90_C7Q0S5
UniRef90_UPI0004635ABD


90
100
UniRef90_UPI0003485ACC
UniRef90_L1KGZ7
UniRef90_M3A0S8
UniRef90_UPI0002630063
UniRef90_Q82FP8
UniRef90_K0K3C2
UniRef90_J7L4W8
UniRef90_D7B8Y5
UniRef90_D3Q080
UniRef90_UPI000347B94E
UniRef90_UPI00034C4187
UniRef90_S4ARF8
UniRef90_B4V7P1
UniRef90_UPI000378CBE6
UniRef90_D7C6Z1
UniRef90_D9WA12
UniRef90_UPI0003626DD8
UniRef90_UPI00037911B2
UniRef90_UPI00036EF5B4
UniRef90_C6WBS7
UniRef90_W5W8V2
UniRef90_B5GKG4
UniRef90_UPI0002F117D8
UniRef90_I2N1N8
UniRef90_UPI00035F00CC
UniRef90_UPI00047657EE
UniRef90_UPI00035CD8B5
UniRef90_B5GWK9
UniRef90_UPI00035D06D1
UniRef90_UPI000365D6A7
UniRef90_UPI00036ED543
UniRef90_UPI0003AD2E7A
UniRef90_UPI0003478CEE
UniRef90_W7IUS1
UniRef90_H6RVL3
UniRef90_J1S6D9
UniRef90_A0A022MBQ9
UniRef90_E2Q9X0
UniRef90_UPI00037F806C
UniRef90_UPI00046D00FE
UniRef90_S3AS14
UniRef90_V4I9K7
UniRef90_C6WIT7
UniRef90_D1ADJ0
UniRef90_UPI000420DD22
UniRef90_UPI0003657EA3
UniRef90_L7EWC4
UniRef90_UPI00034A6AFB
UniRef90_C6WRV7
UniRef90_S1T5Q2
UniRef90_UPI00035FAC5C
UniRef90_UPI000365443D
UniRef90_D5ZPD7
UniRef90_UPI00036BB442
UniRef90_V6KZV8
UniRef90_UPI00037B56A4
UniRef90_D9VP22
UniRef90_UPI000372D383
UniRef90_UPI0003B68029
UniRef90_A4F9J5
UniRef90_M3BLM4
UniRef90_UPI00037666FB
UniRef90_UPI000415D5D3
UniRef90_F3ZC59
UniRef90_F8JR57
UniRef90_L8TN01
UniRef90_M7MP86
UniRef90_F5XNX1
UniRef90_A0A024H6K6
UniRef90_UPI00036BA7AA
UniRef90_A0A024H7B0
UniRef90_C7Q4W6
UniRef90_D6M4Q9
UniRef90_UPI00047B95AE
UniRef90_I4EZ94
UniRef90_UPI00036F011B
UniRef90_UPI00036C3452
UniRef90_Q47KD0
UniRef90_UPI00034BFF72
UniRef90_D6ASY4
UniRef90_D7B871
UniRef90_V6KZG6
UniRef90_UPI00047D283E
UniRef90_UPI000363A19D
UniRef90_UPI00047E6CEE
UniRef90_A1R2I2
UniRef90_U2A596
UniRef90_F0MAV5
UniRef90_A0JSC6
UniRef90_UPI00045E8486
UniRef90_C7Q0S5
UniRef90_UPI0004635ABD


1
10
20
30
40
UniRef90_UPI0003FA6E1E
UniRef90_UPI00036D6BCC
UniRef90_UPI00037C388E
UniRef90_UPI0003628826
UniRef90_UPI00047A7C74
UniRef90_U1YTH7
UniRef90_B8HBX2
UniRef90_UPI00034C46BA
UniRef90_H0QHT3
UniRef90_UPI00034DDCF3
UniRef90_UPI0003089CBA
UniRef90_UPI00046262FF
UniRef90_H0QHT5
UniRef90_A6W4B5
UniRef90_UPI0002E9E735
UniRef90_A0JSC4
UniRef90_L8TIW3
UniRef90_UPI0001FFFCE5
UniRef90_E1VSD3
UniRef90_W5TA47
UniRef90_B8HBX0
UniRef90_N1VBN3
UniRef90_UPI00037532DC
UniRef90_A0JVQ9
UniRef90_UPI0004773979
UniRef90_UPI000377B5CF
UniRef90_UPI00038037C3
UniRef90_R9F5F8
UniRef90_UPI0003766DD1
UniRef90_UPI0003810979
UniRef90_UPI00047B8AE0
UniRef90_UPI00037B93DC
UniRef90_UPI000344C38A
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


50
60
70
80
UniRef90_UPI0003FA6E1E
UniRef90_UPI00036D6BCC
UniRef90_UPI00037C388E
UniRef90_UPI0003628826
UniRef90_UPI00047A7C74
UniRef90_U1YTH7
UniRef90_B8HBX2
UniRef90_UPI00034C46BA
UniRef90_H0QHT3
UniRef90_UPI00034DDCF3
UniRef90_UPI0003089CBA
UniRef90_UPI00046262FF
UniRef90_H0QHT5
UniRef90_A6W4B5
UniRef90_UPI0002E9E735
UniRef90_A0JSC4
UniRef90_L8TIW3
UniRef90_UPI0001FFFCE5
UniRef90_E1VSD3
UniRef90_W5TA47
UniRef90_B8HBX0
UniRef90_N1VBN3
UniRef90_UPI00037532DC
UniRef90_A0JVQ9
UniRef90_UPI0004773979
UniRef90_UPI000377B5CF
UniRef90_UPI00038037C3
UniRef90_R9F5F8
UniRef90_UPI0003766DD1
UniRef90_UPI0003810979
UniRef90_UPI00047B8AE0
UniRef90_UPI00037B93DC
UniRef90_UPI000344C38A
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


90
100
UniRef90_UPI0003FA6E1E R G S K V D T A F S R E D G C Q L H R W T
UniRef90_UPI00036D6BCC D R R S V T W T F K R T N G C E I S R W
UniRef90_UPI00037C388E N G Q G V D A S F S R A N G C E I A R W D A
UniRef90_UPI0003628826 R G R K V H S H F S R T D G C E I A R W K
UniRef90_UPI00047A7C74 D G K E V T A A F N R T D G C Q I A L W D A A
UniRef90_U1YTH7 R G R Q V H S Q F S R T D G C E I A R W
UniRef90_B8HBX2 D G T A V E A S F A R T D G C E I S A W D A A
UniRef90_UPI00034C46BA N Y R A K F G N T C L L H A A K G V V F D F
UniRef90_H0QHT3 N G R A V N S R F S L T D G C E I A R W
UniRef90_UPI00034DDCF3 G A E T Y E E T H D N L C F L K Q K K R A V F D F
UniRef90_UPI0003089CBA R G E T V S A D Y N R T D G C Q I A R W D A L V
UniRef90_UPI00046262FF L G R E V H S T F S R T D G C E I A R W
UniRef90_H0QHT5 N G T P V E T S F A L R D G C Q I G A W N A A
UniRef90_A6W4B5 E G A A V E A G F Q R G D G C E I A R W D R
UniRef90_UPI0002E9E735 D G E Q I D A S F S R E N G C E L D R W S
UniRef90_A0JSC4 H G R P V H S R F S L T D G C E I A R W
UniRef90_L8TIW3 H G R Q V E S V F T R T D G C E I S R W
UniRef90_UPI0001FFFCE5 A G R P V D T T F T R A N G C E I A R W D R L V
UniRef90_E1VSD3 H G D P V N A N F S R H N G C A I E R W E S A S F
UniRef90_W5TA47 H G T P V S V E R T Y G
UniRef90_B8HBX0 H G K R V H T T L T L T D G C E I S R W
UniRef90_N1VBN3 N G R E V D K R F S L T D G C K I S E W
UniRef90_UPI00037532DC Y G R P V S S H R T Y G C V
UniRef90_A0JVQ9 D N V P V D V S F N L R D G C G I S Q W N A A
UniRef90_UPI0004773979 D G V A V E S S F A R T N G C E I S A W D A A
UniRef90_UPI000377B5CF H G R P V H S V F T R T D G C E I A R W K A M
UniRef90_UPI00038037C3 D G V A V D S S F A R T N G C E I S A W D A A
UniRef90_R9F5F8 N G V A I D T E V T R V D S C E E A R W
UniRef90_UPI0003766DD1 Q G E W V S A S F S R A D G C Q L S R W E R A
UniRef90_UPI0003810979 D G V E I E T T V K R T N S C E E A R W
UniRef90_UPI00047B8AE0 N G K T V D Q T F S R G D G C E I A K W
UniRef90_UPI00037B93DC E G E E I D T T L S R K G S C E E A R W
UniRef90_UPI000344C38A E G Q E I D T S L S R Q G S C E E A R W
lupas_21
lupas_14
lupas_28
jnet
conf 1 0 6 8 9 9 8 6 1 5 7 6 4 3 4 4 3 0 6 7 7 8 8 8 9 9
sol25 B B B B B B B B
sol5 B B B
sol0
jhmm
jpssm