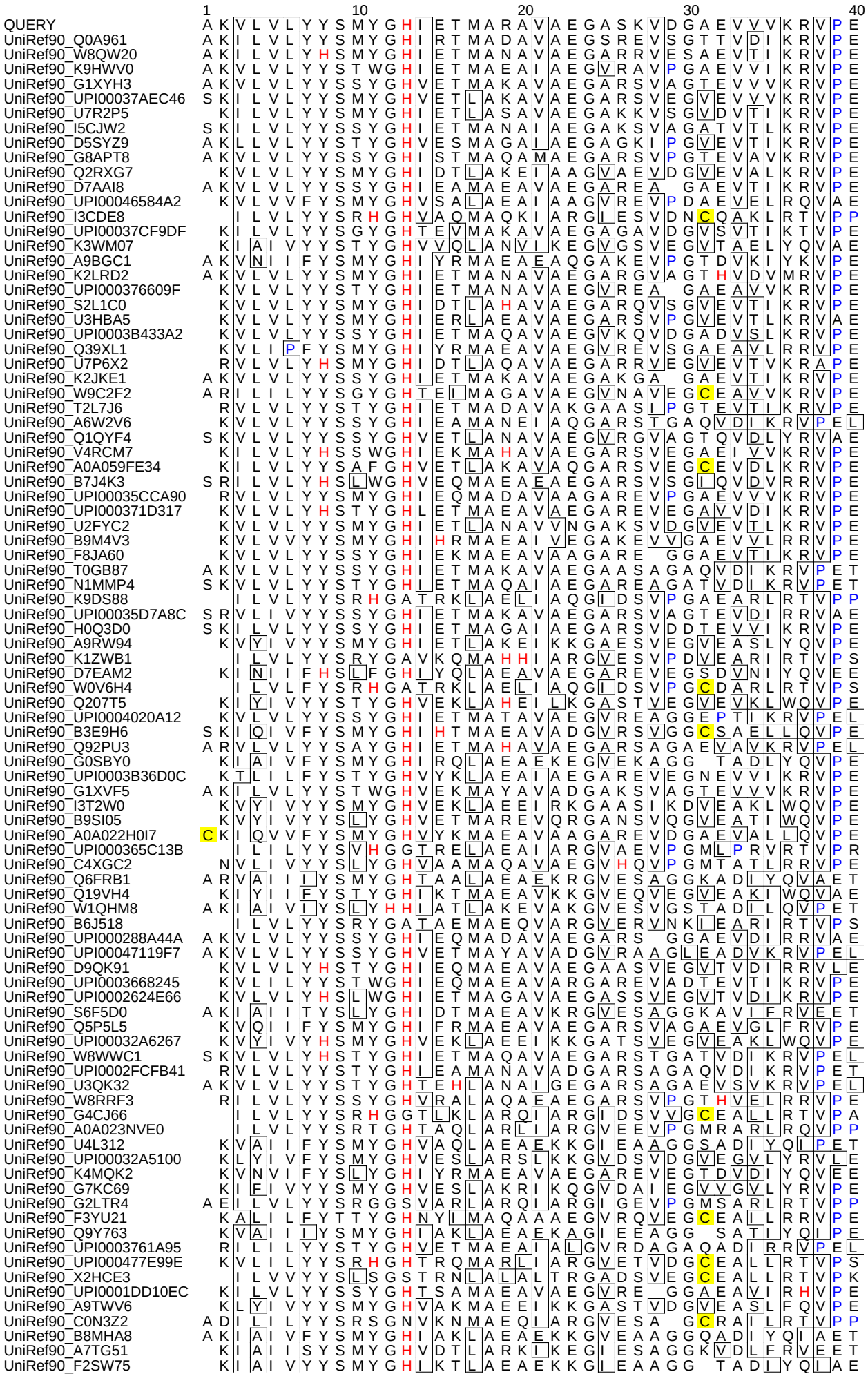
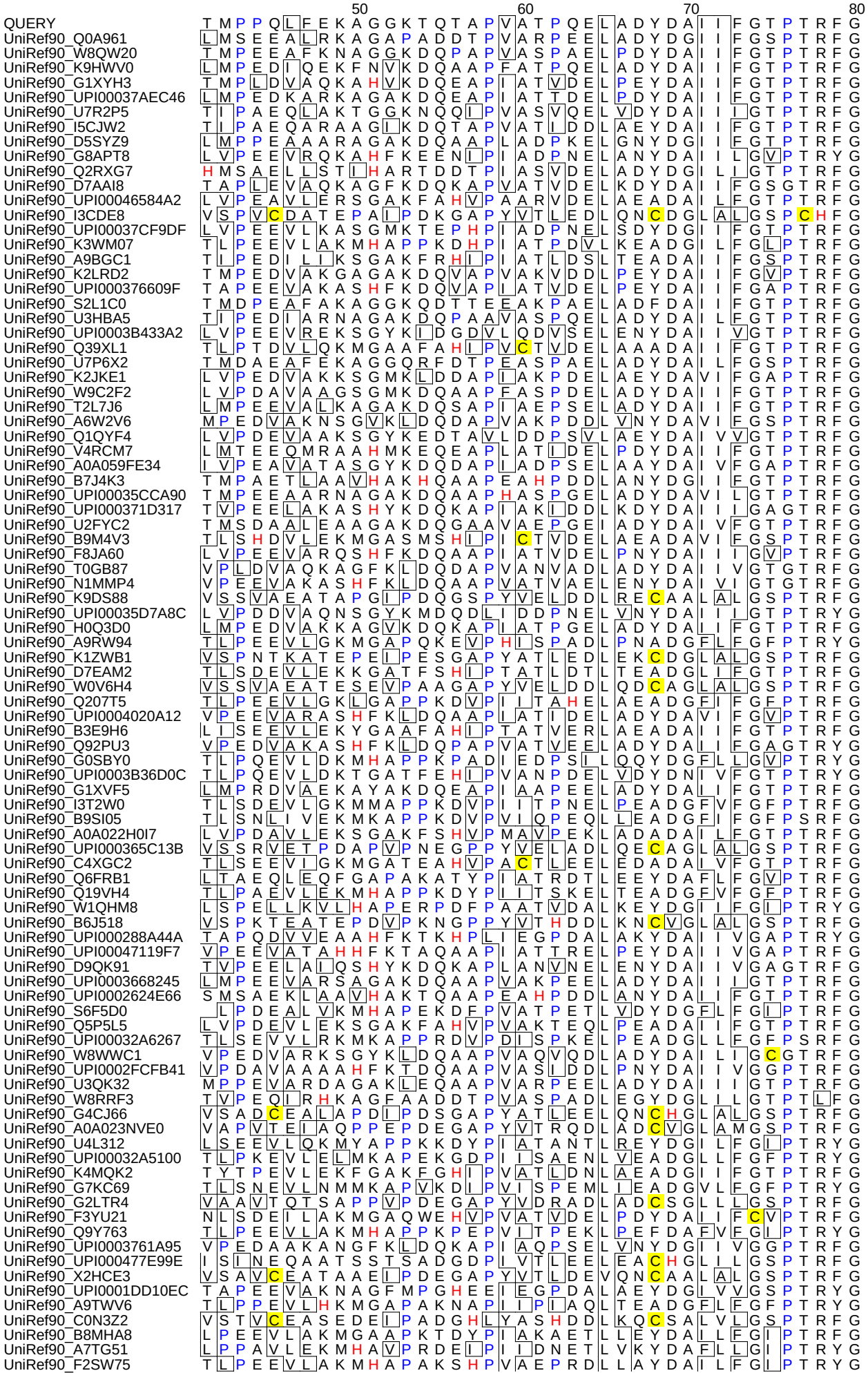
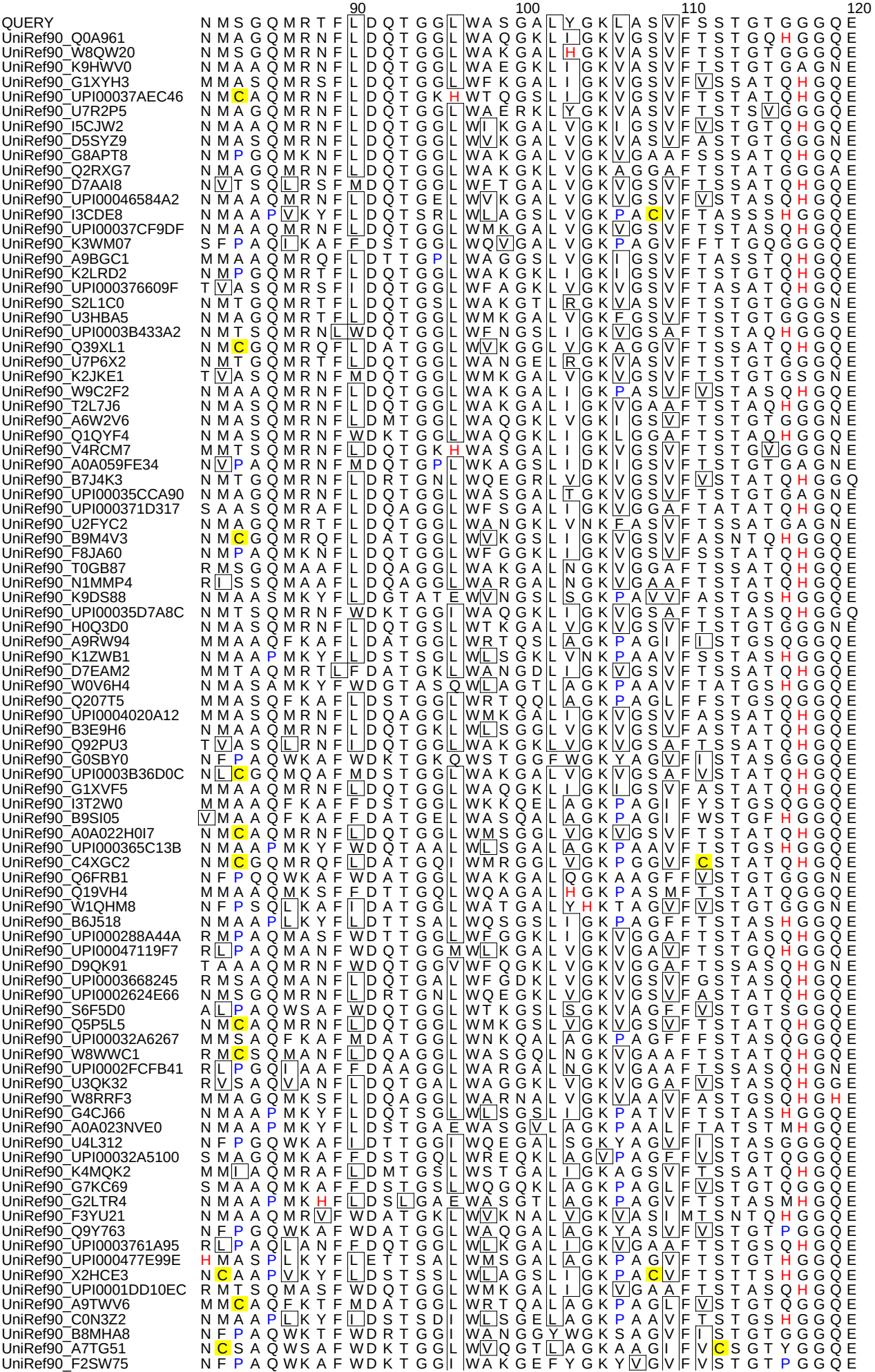
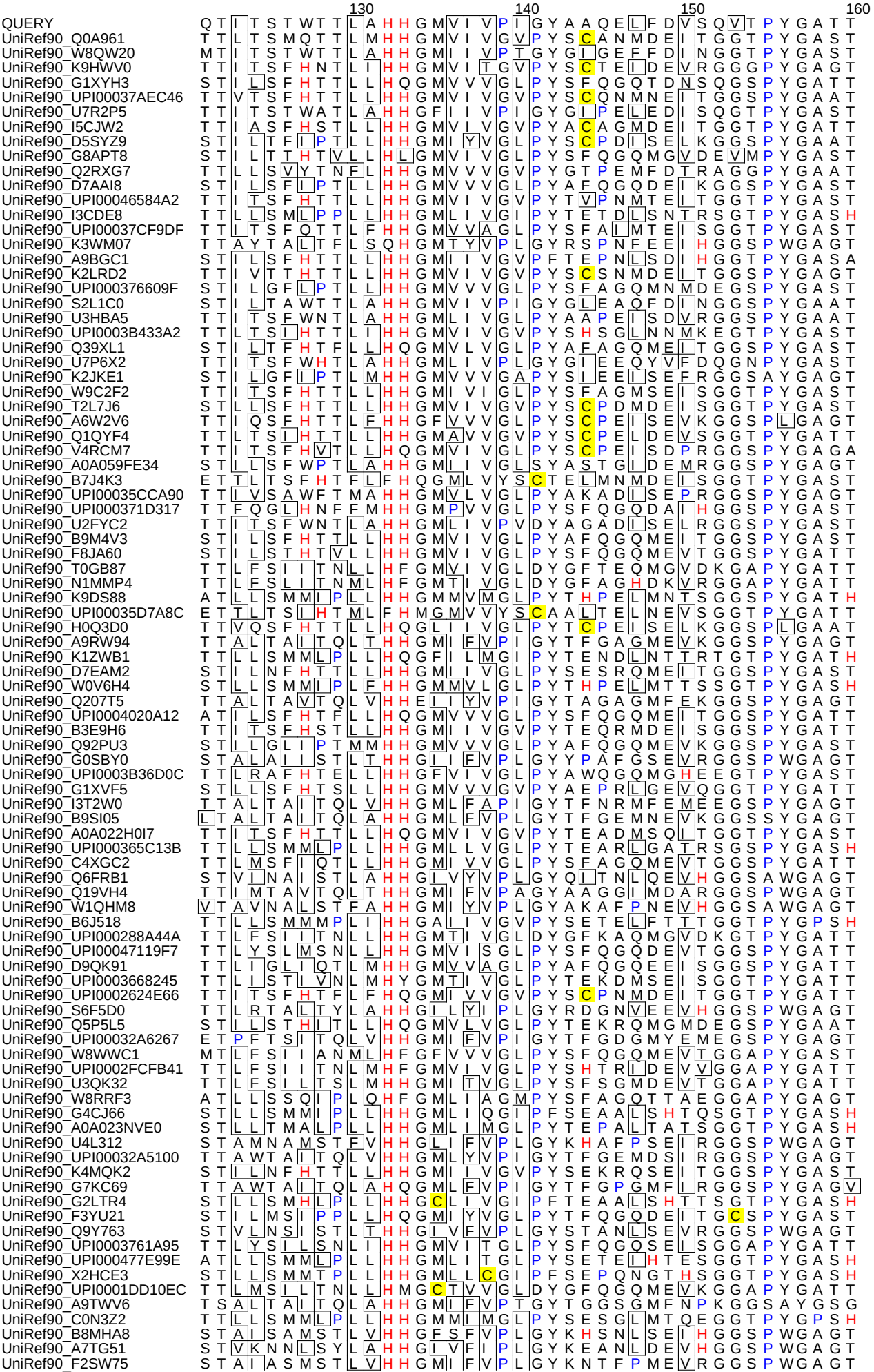
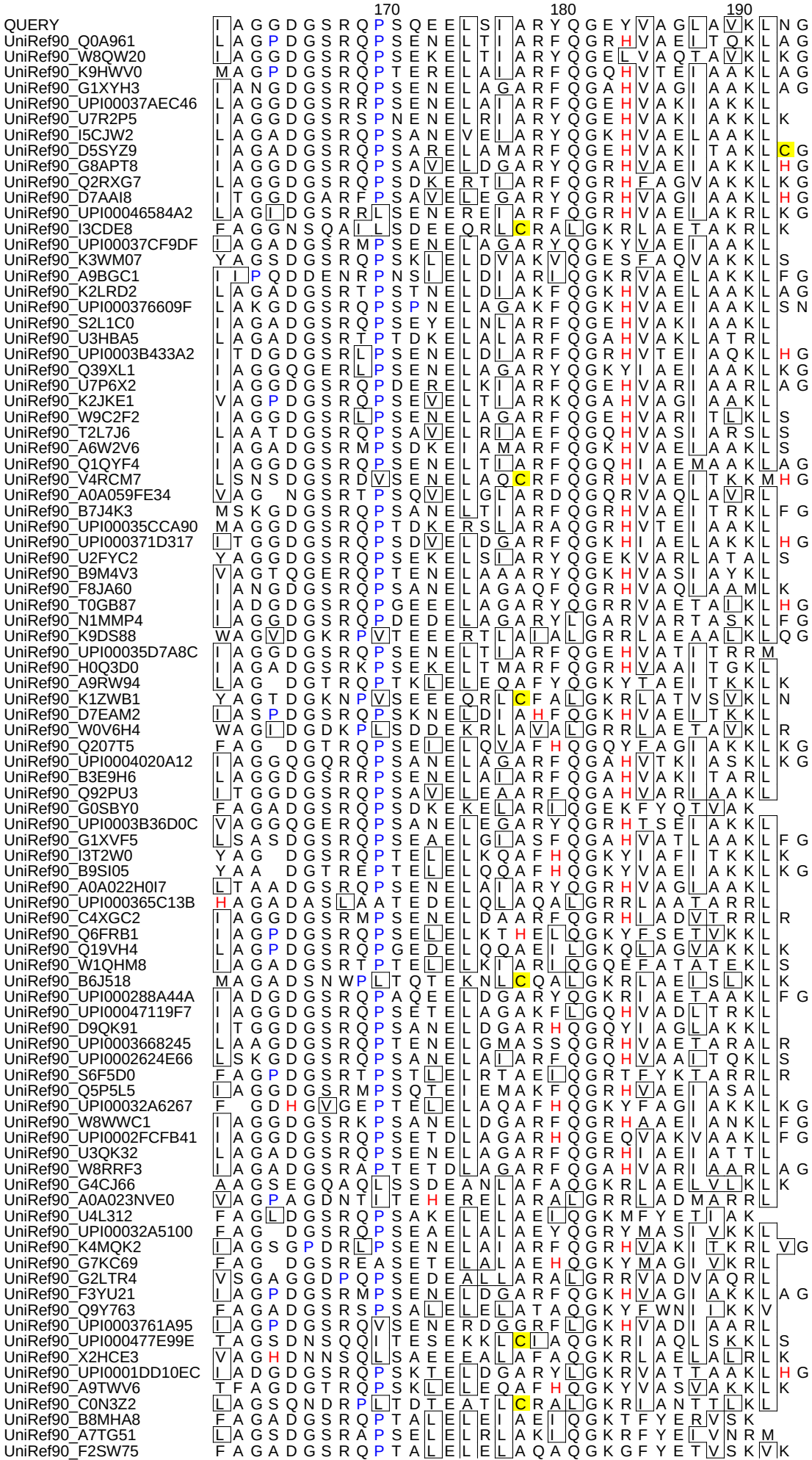
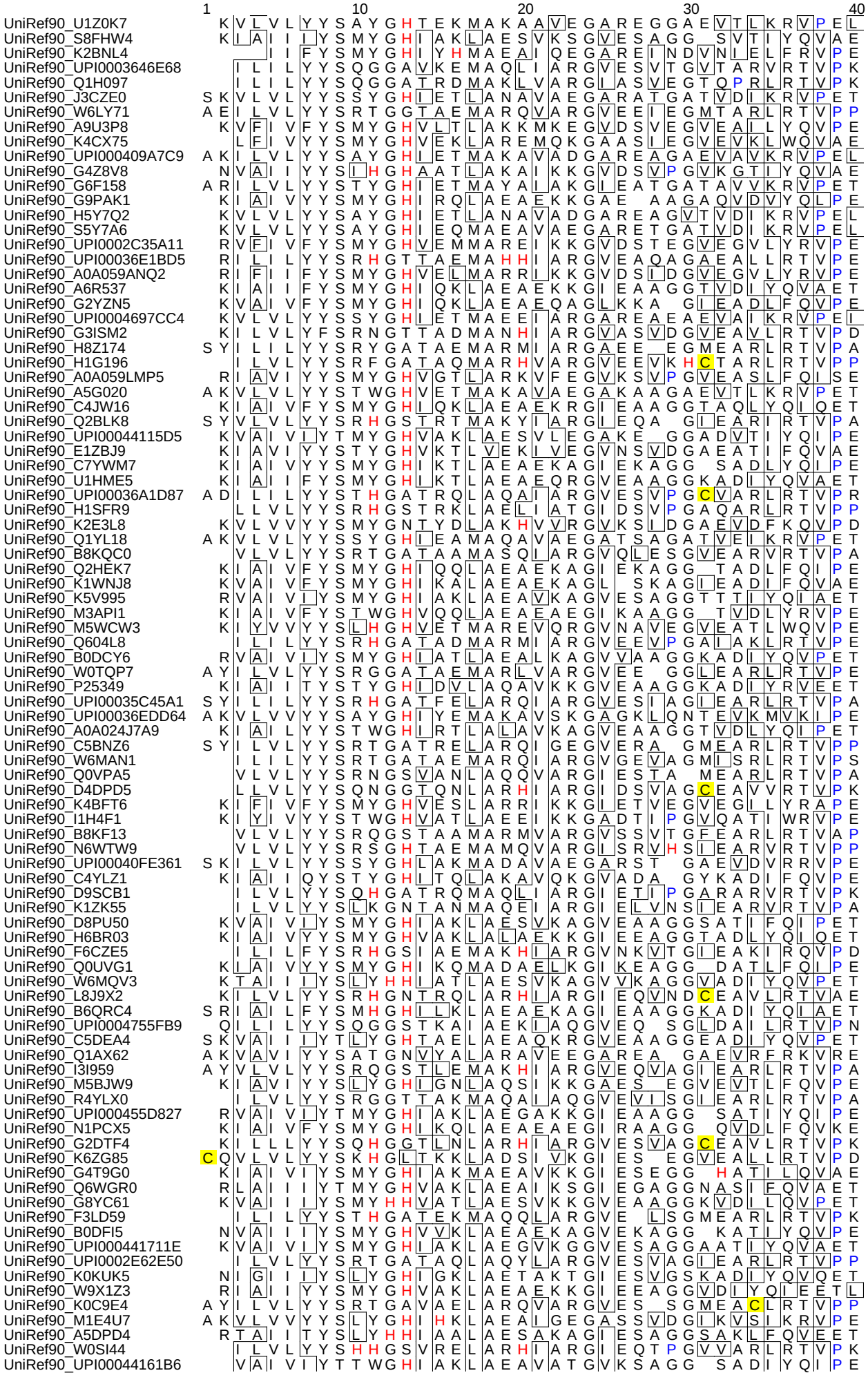

1
10
20
30
40
QUERY A K V L V L Y Y S M Y G H I E T M A R A V A E G A S K V D G A E V V V K R V P E
UniRef90_Q0A961 A K I L V L Y Y S M Y G H I R T M A D A V A E G S R E V S G T T V D I K R V P E
UniRef90_W8QW20 A K I L V L Y H S M Y G H I E T M A N A V A E G A R R V E S A E V T I K R V P E
UniRef90_K9HWV0 A K V L V L Y Y S T W G H I E T M A E A I A E G V R A V P G A E V V I K R V P E
UniRef90_G1XYH3 A K V L V L Y Y S S Y G H V E T M A K A V A E G A R S V A G T E V V V K R V P E
UniRef90_UPI00037AEC46 S K I L V L Y Y S M Y G H V E T L A K A V A E G A R S V E G V E V V V K R V P E
UniRef90_U7R2P5 K I L V L Y Y S M Y G H I E T L A S A V A E G A K K V S G V D V T I K R V P E
UniRef90_I5CJW2 S K I L V L Y Y S S Y G H I E T M A N A I A E G A K S V A G A T V T L K R V P E
UniRef90_D5SYZ9 A K L L V L Y Y S T Y G H V E S M A G A I A E G A G K I P G V E V T I K R V P E
UniRef90_G8APT8 A K V L V L Y Y S S Y G H I S T M A Q A M A E G A R S V P G T E V A V K R V P E
UniRef90_Q2RXG7 K V L V L Y Y S M Y G H I D T L A K E I A A G V A E V D G V E V A L K R V P E
UniRef90_D7AAI8 A K V L V L Y Y S S Y G H I E A M A E A V A E G A R E A G A E V T I K R V P E
UniRef90_UPI00046584A2 K V L V V F Y S M Y G H V S A L A E A I A A G V R E V P D A E V E L R Q V A E
UniRef90_I3CDE8 I L V L Y Y S R H G H V A Q M A Q K I A R G I E S V D N C Q A K L R T V P P
UniRef90_UPI00037CF9DF K I L V L Y Y S G Y G H I T E V M A K A V A E G A G A V D G V S V T I K T V P E
UniRef90_K3WM07 K I A I V Y Y S T Y G H V V Q L A N V I K E G V G S V E G V T A E L Y Q V A E
UniRef90_A9BGC1 A K V N I I F Y S M Y G H I Y R M A E A E A Q G A K E V P G T D V K I Y K V P E
UniRef90_K2LRD2 A K V L V L Y Y S M Y G H I E T M A N A V A E G A R G V A G T H V D V M R V P E
UniRef90_UPI000376609F K V L V L Y Y S T Y G H I E T M A N A V A E G V R E A G A E A V V K R V P E
UniRef90_S2L1C0 K V L V L Y Y S M Y G H I D T L A H A V A E G A R Q V S G V E V T I K R V P E
UniRef90_U3HBA5 K V L V L Y Y S M Y G H I E R L A E A V A E G A R S V P G V E V T L K R V A E
UniRef90_UPI0003B433A2 K V L V L Y Y S S Y G H I E T M A Q A V A E G V K Q V D G A D V S L K R V P E
UniRef90_Q39XL1 K V L I P F Y S M Y G H I Y R M A E A V A E G V R E V S G A E A V L R R V P E
UniRef90_U7P6X2 R V L V L Y H S M Y G H I D T L A Q A V A E G A R R V E G V E V T V K R A P E
UniRef90_K2JKE1 A K V L V L Y Y S S Y G H I E T M A K A V A E G A K G A G A E V T I K R V P E
UniRef90_W9C2F2 A R I L I L Y Y S G Y G H T E I M A G A V A E G V N A V E G C E A V V K R V P E
UniRef90_T2L7J6 R V L V L Y Y S T Y G H I E T M A D A V A K G A A S I P G T E V T I K R V P E
UniRef90_A6W2V6 K V L V L Y Y S S Y G H I E A M A N E I A Q G A R S T G A Q V D I K R V P E L
UniRef90_Q1QYF4 S K V L V L Y Y S S Y G H V E T L A N A V A E G V R G V A G T Q V D L Y R V A E
UniRef90_V4RCM7 K I L V L Y H S S W G H I E K M A H A V A E G A R S V E G A E I V V K R V P E
UniRef90_A0A059FE34 K I L V L Y Y S A F G H V E T L A K A V A Q G A R S V E G C E V D L K R V P E
UniRef90_B7J4K3 S R I L V L Y H S L W G H V E Q M A E A E A E G A R S V S G I Q V D V K R V P E
UniRef90_UPI00035CCA90 R V L V L Y Y S M Y G H I E Q M A D A V A A G A R E V P G A E V V V K R V P E
UniRef90_UPI000371D317 K V L V L Y H S T Y G H L E T M A E A V A E G A R E V E G A V V D I K R V P E
UniRef90_U2FYC2 K V L V L Y Y S M Y G H I E T L A N A V V N G A K S V D G V E V T L K R V P E
UniRef90_B9M4V3 K V L V V Y Y S M Y G H I H R M A E A I V E G A K E V V G A E V V L R R V P E
UniRef90_F8JA60 K V L V L Y Y S S Y G H I E K M A E A V A A G A R E G G A E V T I K R V P E
UniRef90_T0GB87 A K V L V L Y Y S S Y G H I E T M A K A V A E G A A S A G A Q V D I K R V P E T
UniRef90_N1MMP4 S K V L V L Y Y S T Y G H I E T M A Q A I A E G A R E A G A T V D I K R V P E T
UniRef90_K9DS88 I L V L Y Y S R H G A T R K L A E L I A Q G I D S V P G A E A R L R T V P P
UniRef90_UPI00035D7A8C S R V L I V Y Y S S Y G H I E T M A K A V A E G A R S V A G T E V D I R R V A E
UniRef90_H0Q3D0 S K I L V L Y Y S S Y G H I E T M A G A I A E G A R S V D D T E V V I K R V P E
UniRef90_A9RW94 K V Y I V Y Y S M Y G H I E T L A K E I K K G A E S V E G V E A S L Y Q V P E
UniRef90_K1ZWB1 I L V L Y Y S R Y G A V K Q M A H H I A R G V E S V P D V E A R I R T V P S
UniRef90_D7EAM2 K I N I I F H S L F G H I Y Q L A E A V A E G A R E V E G S D V N I Y Q V E E
UniRef90_W0V6H4 I L V L F Y S R H G A T R K L A E L I A Q G I D S V P G C D A R L R T V P S
UniRef90_Q207T5 K I Y I V Y Y S T Y G H V E K L A H E I L K G A S T V E G V E V K L W Q V P E
UniRef90_UPI0004020A12 K V L V L Y Y S S Y G H I E T M A T A V A E G V R E A G G E P T I K R V P E L
UniRef90_B3E9H6 S K I Q I V F Y S M Y G H I H T M A E A V A D G V R S V G G C S A E L L Q V P E
UniRef90_Q92PU3 A R V L V L Y Y S A Y G H I E T M A H A V A E G A R S A G A E V A V K R V P E L
UniRef90_G0SBY0 K I A I V F Y S M Y G H I R Q L A E A E K E G V E K A G G T A D L Y Q V P E
UniRef90_UPI0003B36D0C K T L I L F Y S T Y G H V Y K L A E A I A E G A R E V E G N E V V I K R V P E
UniRef90_G1XVF5 A K I L V L Y Y S T W G H V E K M A Y A V A D G A K S V A G T E V V V K R V P E
UniRef90_I3T2W0 K V Y I V Y Y S M Y G H V E K L A E E I R K G A A S I K D V E A K L W Q V P E
UniRef90_B9SI05 K V Y I V Y Y S L Y G H V E T M A R E V Q R G A N S V Q G V E A T I W Q V P E
UniRef90_A0A022H0I7 C K I Q V V F Y S M Y G H V Y K M A E A V A A G A R E V D G A E V A L L Q V P E
UniRef90_UPI000365C13B I L I L Y Y S V H G G T R E L A E A I A R G V A E V P G M L P R V R T V P R
UniRef90_C4XGC2 N V L I V Y Y S L Y G H V A A M A Q A V A E G V H Q V P G M T A T L R R V P E
UniRef90_Q6FRB1 A R V A I I I Y S M Y G H T A A L A E A E K R G V E S A G G K A D I Y Q V A E T
UniRef90_Q19VH4 K I Y I I F Y S T Y G H I K T M A E A V K K G V E Q V E G V E A K I W Q V A E
UniRef90_W1QHM8 A K I A I V I Y S L Y H H I A T L A K E V A K G V E S V G S T A D I L Q V P E T
UniRef90_B6J518 I L V L Y Y S R Y G A T A E M A E Q V A R G V E R V N K I E A R I R T V P S
UniRef90_UPI000288A44A A K V L V L Y Y S S Y G H I E Q M A D A V A E G A R S G G A E V D I R R V A E
UniRef90_UPI00047119F7 A K V L V L Y Y S S Y G H V E T M A Y A V A D G V R A A G L E A D V K R V P E L
UniRef90_D9QK91 K V L V L Y H S T Y G H I E Q M A E A V A E G A A S V E G V T V D I R R V L E
UniRef90_UPI0003668245 K V L I L Y Y S T W G H I E Q M A E A V A R G A R E V A D T E V T I K R V P E
UniRef90_UPI0002624E66 K V L V L Y H S L W G H I E T M A G A V A E G A S S V E G V T V D I K R V P E
UniRef90_S6F5D0 A K I A I I T Y S L Y G H I D T M A E A V K R G V E S A G G K A V I F R V E E T
UniRef90_Q5P5L5 K V Q I I F Y S M Y G H I F R M A E A V A E G A R S V A G A E V G L F R V P E
UniRef90_UPI00032A6267 K V Y I V Y H S M Y G H V E K L A E E I K K G A T S V E G V E A K L W Q V P E
UniRef90_W8WWC1 S K V L V L Y H S T Y G H I E T M A Q A V A E G A R S T G A T V D I K R V P E L
UniRef90_UPI0002FCFB41 R V L V L Y Y S T Y G H I E A M A N A V A D G A R S A G A Q V D I K R V P E T
UniRef90_U3QK32 A K V L V L Y Y S T Y G H T E H L A N A I G E G A R S A G A E V S V K R V P E L
UniRef90_W8RRF3 R I L V L Y Y S S Y G H V R A L A Q A E A E G A R S V P G T H V E L R R V P E
UniRef90_G4CJ66 I L V L Y Y S R H G G T L K L A R Q I A R G I D S V V G C E A L L R T V P A
UniRef90_A0A023NVE0 I L V L Y Y S R T G H T A Q L A R L I A R G V E E V P G M R A R L R Q V P P
UniRef90_U4L312 K V A I I F Y S M Y G H V A Q L A E A E K K G I E A A G G S A D I Y Q I P E T
UniRef90_UPI00032A5100 K L Y I V F Y S M Y G H V E S L A R S L K K G V D S V D G V E G V L Y R V L E
UniRef90_K4MQK2 K V N V I F Y S L Y G H I Y R M A E A V A E G A R E V E G T D V D I Y Q V E E
UniRef90_G7KC69 K I F I V Y Y S M Y G H V E S L A K R I K Q G V D A I E G V V G V L Y R V P E
UniRef90_G2LTR4 A E I L V L Y Y S R G G S V A R L A R Q I A R G I G E V P G M S A R L R T V P P
UniRef90_F3YU21 K A L I L F Y T T Y G H N Y I M A Q A A A E G V R Q V E G C E A I L R R V P E
UniRef90_Q9Y763 K V A I I I Y S M Y G H I A K L A E A E K A G I E E A G G S A T I Y Q I P E
UniRef90_UPI0003761A95 R I L I L Y Y S T Y G H V E T M A E A I A L G V R D A G A Q A D I R R V P E L
UniRef90_UPI000477E99E K V L I L Y Y S R H G H T R Q M A R L I A R G V E T V D G C E A L L R T V P S
UniRef90_X2HCE3 I L V V Y Y S L S G S T R N L A L A L T R G A D S V E G C E A L L R T V P K
UniRef90_UPI0001DD10EC K I L V L Y Y S S Y G H T S A M A E A V A E G V R E G G A E A V I R H V P E
UniRef90_A9TWV6 K L Y I V Y Y S M Y G H V A K M A E E I K K G A S T V D G V E A S L F Q V P E
UniRef90_C0N3Z2 A D I L I L Y Y S R S G N V K N M A E Q I A R G V E S A G C R A I L R T V P P
UniRef90_B8MHA8 A K I A I V F Y S M Y G H I A K L A E A E K K G V E A A G G Q A D I Y Q I A E T
UniRef90_A7TG51 K I A I I S Y S M Y G H V D T L A R K I K E G I E S A G G K V D L F R V E E T
UniRef90_F2SW75 K I A I V Y Y S M Y G H I K T L A E A E K K G I E A A G G T A D I Y Q I A E

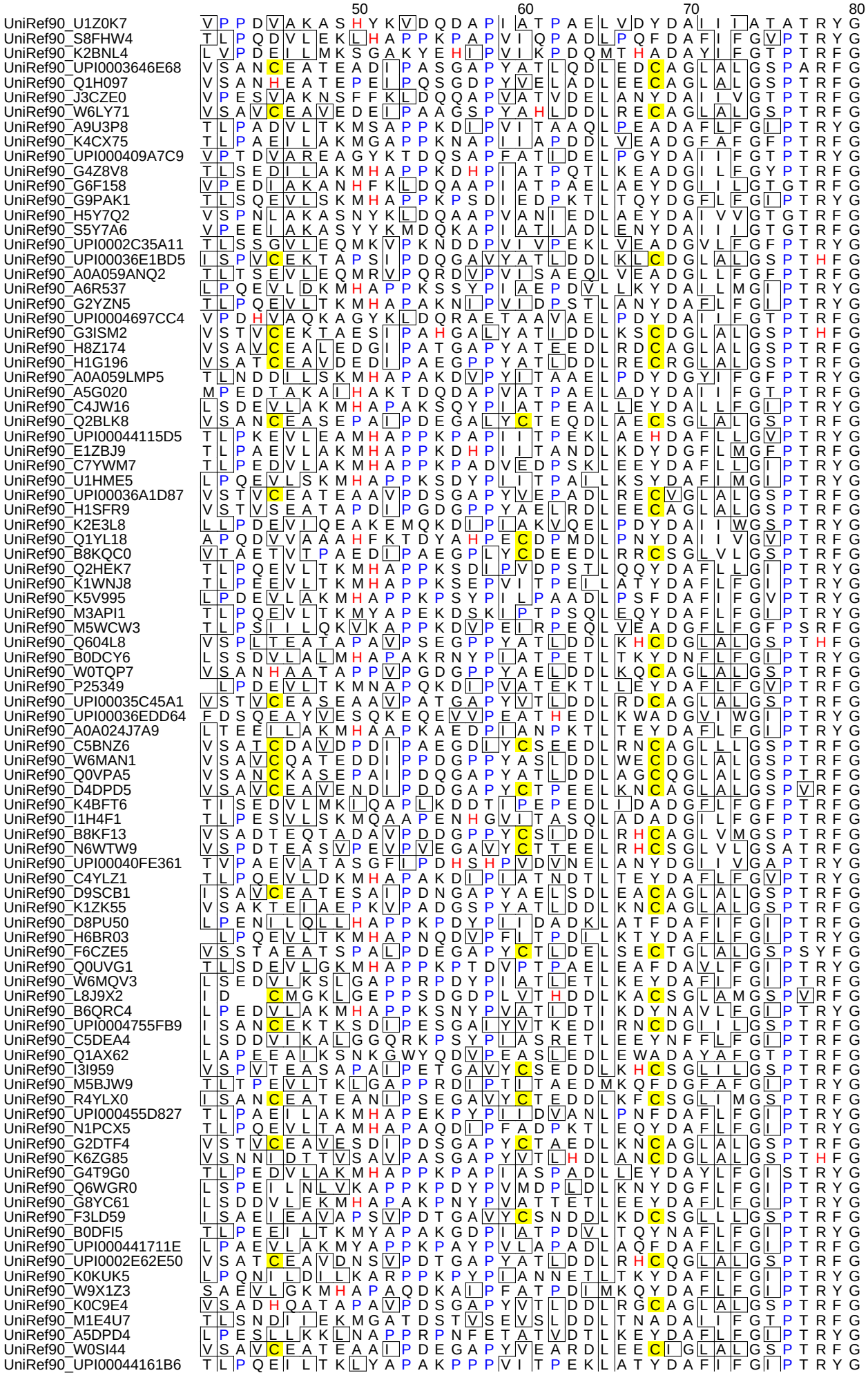

50
60
70
80
QUERY
UniRef90_Q0A961
UniRef90_W8QW20
UniRef90_K9HWV0
UniRef90_G1XYH3
UniRef90_UPI00037AEC46
UniRef90_U7R2P5
UniRef90_I5CJW2
UniRef90_D5SYZ9
UniRef90_G8APT8
UniRef90_Q2RXG7
UniRef90_D7AAI8
UniRef90_UPI00046584A2
UniRef90_I3CDE8
UniRef90_UPI00037CF9DF
UniRef90_K3WM07
UniRef90_A9BGC1
UniRef90_K2LRD2
UniRef90_UPI000376609F
UniRef90_S2L1C0
UniRef90_U3HBA5
UniRef90_UPI0003B433A2
UniRef90_Q39XL1
UniRef90_U7P6X2
UniRef90_K2JKE1
UniRef90_W9C2F2
UniRef90_T2L7J6
UniRef90_A6W2V6
UniRef90_Q1QYF4
UniRef90_V4RCM7
UniRef90_A0A059FE34
UniRef90_B7J4K3
UniRef90_UPI00035CCA90
UniRef90_UPI000371D317
UniRef90_U2FYC2
UniRef90_B9M4V3
UniRef90_F8JA60
UniRef90_T0GB87
UniRef90_N1MMP4
UniRef90_K9DS88
UniRef90_UPI00035D7A8C
UniRef90_H0Q3D0
UniRef90_A9RW94
UniRef90_K1ZWB1
UniRef90_D7EAM2
UniRef90_W0V6H4
UniRef90_Q207T5
UniRef90_UPI0004020A12
UniRef90_B3E9H6
UniRef90_Q92PU3
UniRef90_G0SBY0
UniRef90_UPI0003B36D0C
UniRef90_G1XVF5
UniRef90_I3T2W0
UniRef90_B9SI05
UniRef90_A0A022H0I7
UniRef90_UPI000365C13B
UniRef90_C4XGC2
UniRef90_Q6FRB1
UniRef90_Q19VH4
UniRef90_W1QHM8
UniRef90_B6J518
UniRef90_UPI000288A44A
UniRef90_UPI00047119F7
UniRef90_D9QK91
UniRef90_UPI0003668245
UniRef90_UPI0002624E66
UniRef90_S6F5D0
UniRef90_Q5P5L5
UniRef90_UPI00032A6267
UniRef90_W8WWC1
UniRef90_UPI0002FCFB41
UniRef90_U3QK32
UniRef90_W8RRF3
UniRef90_G4CJ66
UniRef90_A0A023NVE0
UniRef90_U4L312
UniRef90_UPI00032A5100
UniRef90_K4MQK2
UniRef90_G7KC69
UniRef90_G2LTR4
UniRef90_F3YU21
UniRef90_Q9Y763
UniRef90_UPI0003761A95
UniRef90_UPI000477E99E
UniRef90_X2HCE3
UniRef90_UPI0001DD10EC
UniRef90_A9TWV6
UniRef90_C0N3Z2
UniRef90_B8MHA8
UniRef90_A7TG51
UniRef90_F2SW75

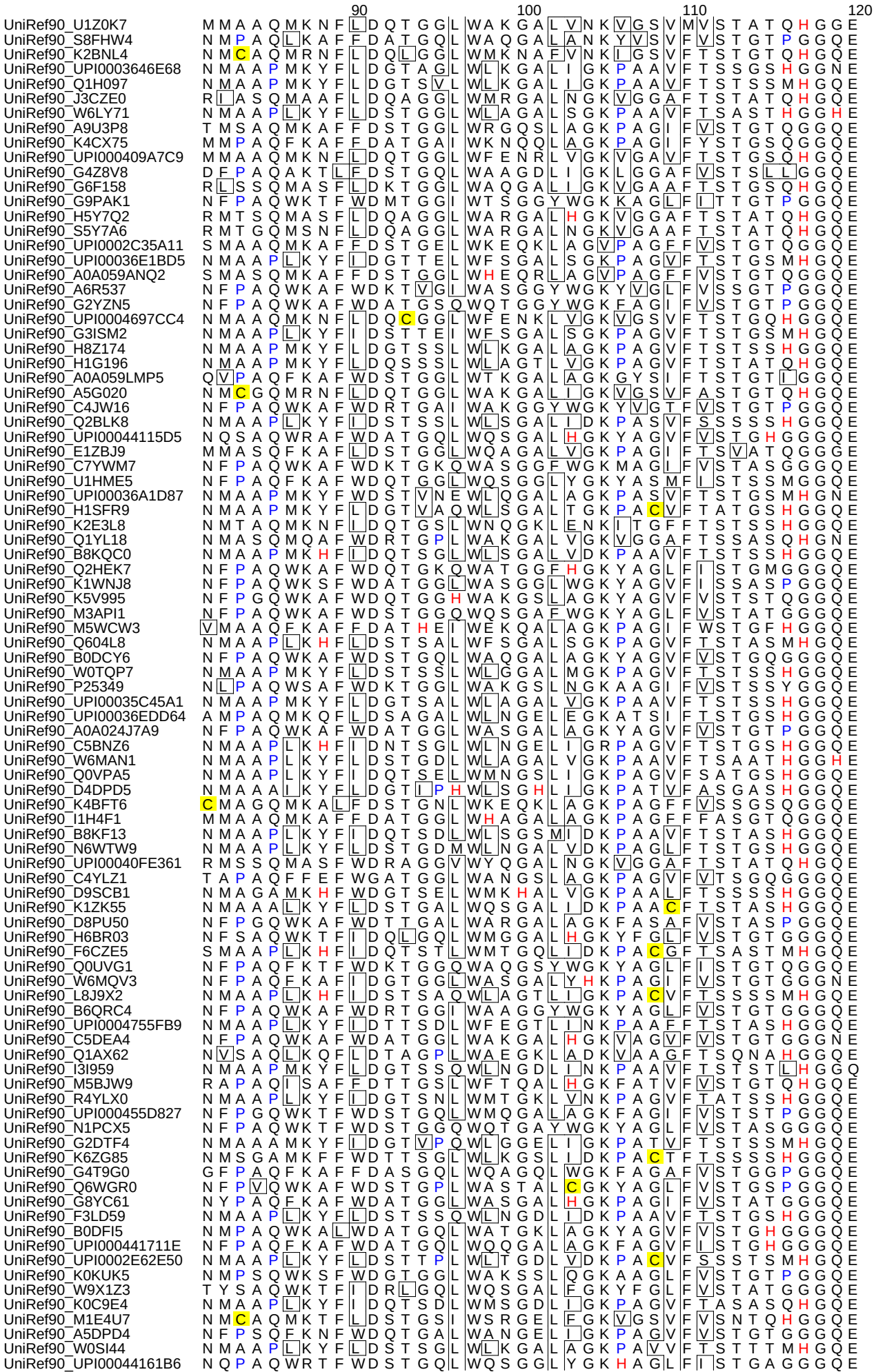

90
100
110
120
QUERY N M S G Q M R T F L D Q T G G L W A S G A L Y G K L A S V F S S T G T G G G Q E
UniRef90_Q0A961 N M A G Q M R N F L D Q T G G L W A Q G K L I G K V G S V F T S T G Q H G G Q E
UniRef90_W8QW20 N M S G Q M R N F L D Q T G G L W A K G A L H G K V A S V F T S T G T G G G Q E
UniRef90_K9HWV0 N M A A Q M R N F L D Q T G G L W A E G K L I G K V A S V F T S T G T G A G N E
UniRef90_G1XYH3 M M A S Q M R S F L D Q T G G L W F K G A L I G K V G S V F V S S A T Q H G Q E
UniRef90_UPI00037AEC46 N M C A Q M R N F L D Q T G K H W T Q G S L I G K V G S V F T S T A T Q H G Q E
UniRef90_U7R2P5 N M A G Q M R N F L D Q T G G L W A E R K L Y G K V A S V F T S T S V G G G Q E
UniRef90_I5CJW2 N M A A Q M R N F L D Q T G G L W I K G A L V G K I G S V F V S T G T Q H G Q E
UniRef90_D5SYZ9 N M A S Q M R N F L D Q T G G L W V K G A L V G K V A S V F A S T G T G G G N E
UniRef90_G8APT8 N M P G Q M K N F L D Q T G G L W A K G A L V G K V G A A F S S S A T Q H G Q E
UniRef90_Q2RXG7 N M A G Q M R N F L D Q T G G L W A K G K L V G K A G G A F T S T A T G G G A E
UniRef90_D7AAI8 N V T S Q L R S F M D Q T G G L W F T G A L V G K V G S V F T S S A T Q H G Q E
UniRef90_UPI00046584A2 N M A A Q M R N F L D Q T G E L W V K G A L V G K V G S V F V S T A S Q H G Q E
UniRef90_I3CDE8 N M A A P V K Y F L D Q T S R L W L A G S L V G K P A C V F T A S S S H G G Q E
UniRef90_UPI00037CF9DF N M A A Q M R N F L D Q T G G L W M K G A L V G K V G S V F T S T A S Q H G Q E
UniRef90_K3WM07 S F P A Q I K A F F D S T G G L W Q V G A L V G K P A G V F F T T G Q G G G Q E
UniRef90_A9BGC1 M M A A Q M R Q F L D T T G P L W A G G S L V G K I G S V F T A S S T Q H G Q E
UniRef90_K2LRD2 N M P G Q M R T F L D Q T G G L W A K G K L I G K I G S V F T S T G T Q H G Q E
UniRef90_UPI000376609F T V A S Q M R S F I D Q T G G L W F A G K L V G K V G S V F T A S A T Q H G Q E
UniRef90_S2L1C0 N M T G Q M R T F L D Q T G S L W A K G T L R G K V A S V F T S T G T G G G N E
UniRef90_U3HBA5 N M A G Q M R T F L D Q T G G L W M K G A L V G K F G S V F T S T G T G G G S E
UniRef90_UPI0003B433A2 N M T S Q M R N L W D Q T G G L W F N G S L I G K V G S A F T S T A Q H G G Q E
UniRef90_Q39XL1 N M C G Q M R Q F L D A T G G L W V K G G L V G K A G G V F T S S A T Q H G Q E
UniRef90_U7P6X2 N M T G Q M R T F L D Q T G G L W A N G E L R G K V A S V F T S T G T G G G Q E
UniRef90_K2JKE1 T V A S Q M R N F M D Q T G G L W M K G A L V G K V G S V F T S T G T G S G N E
UniRef90_W9C2F2 N M A A Q M R N F L D Q T G G L W A K G A L I G K P A S V F V S T A S Q H G Q E
UniRef90_T2L7J6 N M A S Q M R N F L D Q T G G L W A K G A L I G K V G A A F T S T A Q H G G Q E
UniRef90_A6W2V6 N M A S Q M R N F L D M T G G L W A Q G K L V G K I G S V F T S T G T G G G N E
UniRef90_Q1QYF4 N M A S Q M R N F W D K T G G L W A Q G K L I G K L G G A F T S T A Q H G G Q E
UniRef90_V4RCM7 M M T S Q M R N F L D Q T G K H W A S G A L I G K V G S V F T S T G V G G G N E
UniRef90_A0A059FE34 N V P A Q M R N F M D Q T G P L W K A G S L I D K I G S V F T S T G T G A G N E
UniRef90_B7J4K3 N M T G Q M R N F L D R T G N L W Q E G R L V G K V G S V F V S T A T Q H G G Q
UniRef90_UPI00035CCA90 N M A G Q M R N F L D Q T G G L W A S G A L T G K V G S V F T S T G T G A G N E
UniRef90_UPI000371D317 S A A S Q M R A F L D Q A G G L W F S G A L I G K V G G A F T A T A T Q H G Q E
UniRef90_U2FYC2 N M A G Q M R T F L D Q T G G L W A N G K L V N K F A S V F T S S A T G A G N E
UniRef90_B9M4V3 N M C G Q M R Q F L D A T G G L W V K G S L I G K V G S V F A S N T Q H G G Q E
UniRef90_F8JA60 N M P A Q M K N F L D Q T G G L W F G G K L I G K V G S V F S S T A T Q H G Q E
UniRef90_T0GB87 R M S G Q M A A F L D Q A G G L W A K G A L N G K V G G A F T S S A T Q H G Q E
UniRef90_N1MMP4 R I S S Q M A A F L D Q A G G L W A R G A L N G K V G A A F T S T A T Q H G Q E
UniRef90_K9DS88 N M A A S M K Y F L D G T A T E W V N G S L S G K P A V V F A S T G S H G G Q E
UniRef90_UPI00035D7A8C N M T S Q M R N F W D K T G G I W A Q G K L I G K V G S A F T S T A S Q H G G Q
UniRef90_H0Q3D0 N M A S Q M R N F L D Q T G S L W T K G A L V G K V G S V F T S T G T G G G N E
UniRef90_A9RW94 M M A A Q F K A F L D A T G G L W R T Q S L A G K P A G I F I S T G S Q G G Q E
UniRef90_K1ZWB1 N M A A P M K Y F L D S T S G L W L S G K L V N K P A A V F S S T A S H G G Q E
UniRef90_D7EAM2 M M T A Q M R T L F D A T G K L W A N G D L I G K V G S V F T S S A T Q H G Q E
UniRef90_W0V6H4 N M A S A M K Y F W D G T A S Q W L A G T L A G K P A A V F T A T G S H G G Q E
UniRef90_Q207T5 M M A S Q F K A F L D S T G G L W R T Q Q L A G K P A G L F F S T G S Q G G Q E
UniRef90_UPI0004020A12 M M A S Q M R N F L D Q A G G L W M K G A L I G K V G S V F A S S A T Q H G Q E
UniRef90_B3E9H6 N M A A Q M R N F L D Q T G K L W L S G G L V G K V G S V F A S T A T Q H G Q E
UniRef90_Q92PU3 T V A S Q L R N F I D Q T G G L W A K G K L V G K V G S A F T S S A T Q H G Q E
UniRef90_G0SBY0 N F P A Q W K A F W D K T G K Q W S T G G F W G K Y A G V F I S T A S G G G Q E
UniRef90_UPI0003B36D0C N L C G Q M Q A F M D S T G G L W A K G A L V G K V G S A F V S T A T Q H G Q E
UniRef90_G1XVF5 M M A A Q M R N F L D Q T G G L W A Q G K L I G K I G S V F A S T A T Q H G Q E
UniRef90_I3T2W0 M M A A Q F K A F F D S T G G L W K K Q E L A G K P A G I F Y S T G S Q G G Q E
UniRef90_B9SI05 V M A A Q F K A F F D A T G E L W A S Q A L A G K P A G I F W S T G F H G G Q E
UniRef90_A0A022H0I7 N M C A Q M R N F L D Q T G G L W M S G G L V G K V G S V F T S T A T Q H G Q E
UniRef90_UPI000365C13B N M A A P M K Y F W D Q T A A L W L S G A L A G K P A A V F T S T G S H G G Q E
UniRef90_C4XGC2 N M C G Q M R Q F L D A T G Q I W M R G G L V G K P G G V F C S T A T Q H G Q E
UniRef90_Q6FRB1 N F P Q Q W K A F W D A T G G L W A K G A L Q G K A A G F F V S T G T G G G N E
UniRef90_Q19VH4 M M A A Q M K S F F D T T G Q L W Q A G A L H G K P A S M F T S T A T Q G G Q E
UniRef90_W1QHM8 N F P S Q L K A F I D A T G G L W A T G A L Y H K T A G V F V S T G T G G G N E
UniRef90_B6J518 N M A A P L K Y F L D T T S A L W Q S G S L I G K P A G F F T S T A S H G G Q E
UniRef90_UPI000288A44A R M P A Q M A S F W D T T G G L W F G G K L I G K V G G A F T S T A S Q H G Q E
UniRef90_UPI00047119F7 R L P A Q M A N F W D Q T G G M W L K G A L V G K V G A V F T S T G Q H G Q E
UniRef90_D9QK91 T A A A Q M R N F W D Q T G G V W F Q G K L V G K V G G A F T S S A S Q H G N E
UniRef90_UPI0003668245 R M S A Q M A N F L D Q T G A L W F G D K L V G K V G S V F G S T A S Q H G Q E
UniRef90_UPI0002624E66 N M S G Q M R N F L D R T G N L W Q E G K L V G K V G S V F A S T A T Q H G Q E
UniRef90_S6F5D0 A L P A Q W S A F W D Q T G G L W T K G S L S G K V A G F F V S T G T S G G Q E
UniRef90_Q5P5L5 N M C A Q M R N F L D Q T G G L W M K G S L V G K V G S V F T S T A T Q H G Q E
UniRef90_UPI00032A6267 M M S A Q F K A F M D A T G G L W N K Q A L A G K P A G F F F S T A S Q G G Q E
UniRef90_W8WWC1 R M C S Q M A N F L D Q A G G L W A S G Q L N G K V G A A F T S T A T Q H G Q E
UniRef90_UPI0002FCFB41 R L P G Q I A A F F D A A G G L W A R G A L N G K V G A A F T S S A S Q H G N E
UniRef90_U3QK32 R V S A Q V A N F L D Q T G A L W A G G K L V G K V G G A F V S T A S Q H G G E
UniRef90_W8RRF3 M M A G Q M K S F L D Q A G G L W A R N A L V G K V A A V F A S T G S Q H G H E
UniRef90_G4CJ66 N M A A P M K Y F L D Q T S G L W L S G S L I G K P A T V F T S T A S H G G Q E
UniRef90_A0A023NVE0 N M A A P M K Y F L D S T G A E W A S G V L A G K P A A L F T A T S T M H G Q E
UniRef90_U4L312 N F P G Q W K A F I D T T G G I W Q E G A L S G K Y A G V F I S T A S G G G Q E
UniRef90_UPI00032A5100 S M A G Q M K A F F D S T G Q L W R E Q K L A G V P A G F F V S T G T Q G G Q E
UniRef90_K4MQK2 M M I A Q M R A F L D M T G S L W S T G A L I G K A G S V F T S S A T Q H G Q E
UniRef90_G7KC69 S M A A Q M K A F F D S T G S L W Q G Q K L A G K P A G L F V S T G T Q G G Q E
UniRef90_G2LTR4 N M A A P M K H F L D S L G A E W A S G T L A G K P A G V F T S T A S M H G Q E
UniRef90_F3YU21 N M A A Q M R V F W D A T G K L W V K N A L V G K V A S I M T S N T Q H G G Q E
UniRef90_Q9Y763 N F P G Q W K A F W D A T G G L W A Q G A L A G K Y A S V F V S T G T P G G Q E
UniRef90_UPI0003761A95 R L P A Q L A N F F D Q T G G L W L K G A L I G K V G A A F T S T G S Q H G Q E
UniRef90_UPI000477E99E H M A S P L K Y F L E T T S A L W M S G A L A G K P A G V F T S T G T H G G Q E
UniRef90_X2HCE3 N C A A P V K Y F L D S T S S L W L A G S L I G K P A C V F T S T T S H G G Q E
UniRef90_UPI0001DD10EC R M T S Q M A S F W D Q T G G L W M K G A L I G K V G A A F T S T A S Q H G Q E
UniRef90_A9TWV6 M M C A Q F K T F M D A T G G L W R T Q A L A G K P A G L F V S T G T Q G G Q E
UniRef90_C0N3Z2 N M A A P L K Y F I D S T S D I W L S G E L A G K P A A V F T S T G S H G G Q E
UniRef90_B8MHA8 N F P A Q W K T F W D R T G G I W A N G G Y W G K S A G V F I S T G T G G G Q E
UniRef90_A7TG51 N C S A Q W S A F W D K T G G L W V Q G T L A G K A A G I F V C S G T Y G G Q E
UniRef90_F2SW75 N F P A Q W K A F W D K T G G I W A K G E F Y G K Y V G V F V S T G T P G G Q E

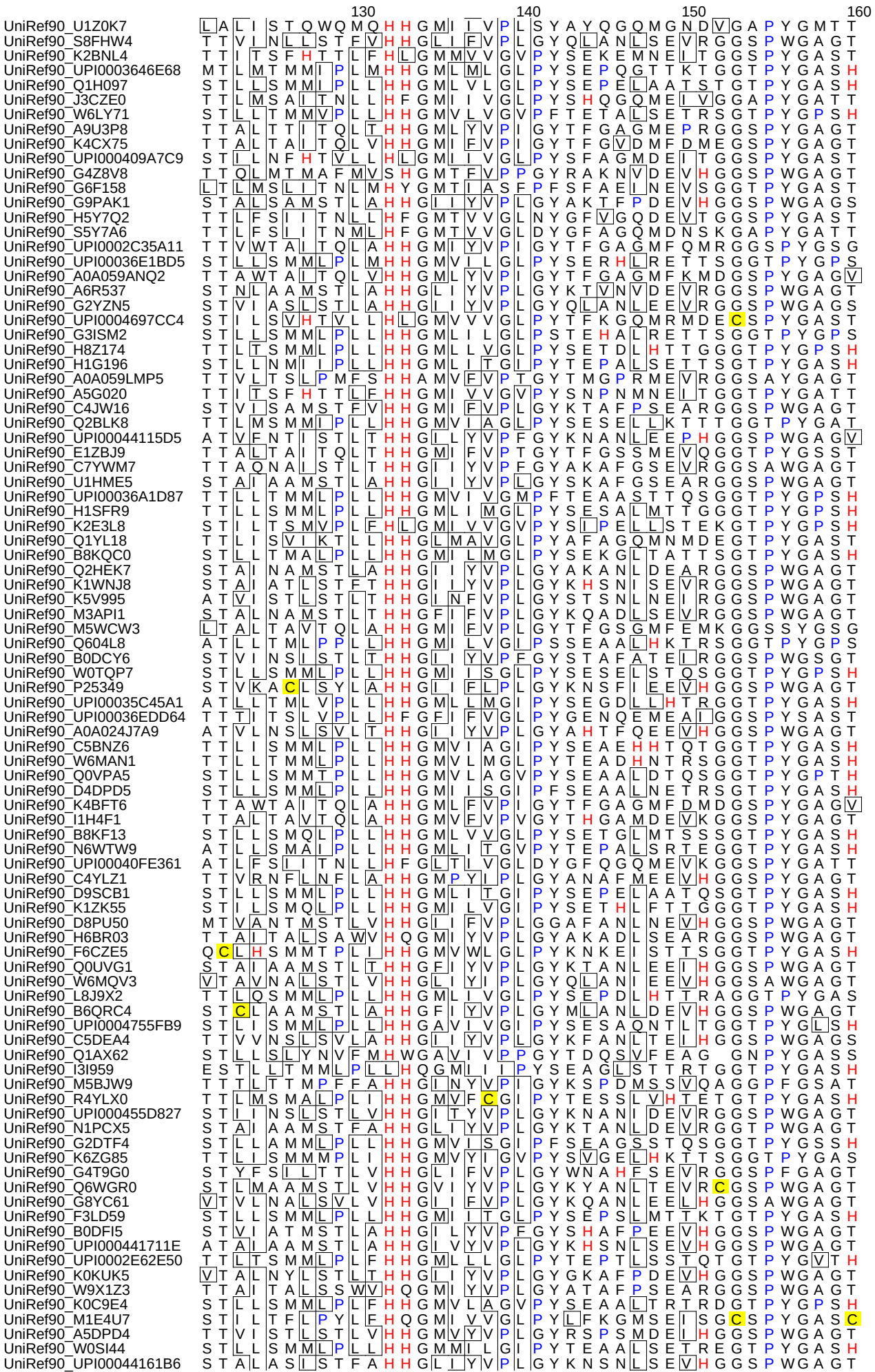

130
140
150
160
QUERY
UniRef90_Q0A961
UniRef90_W8QW20
UniRef90_K9HWV0
UniRef90_G1XYH3
UniRef90_UPI00037AEC46
UniRef90_U7R2P5
UniRef90_I5CJW2
UniRef90_D5SYZ9
UniRef90_G8APT8
UniRef90_Q2RXG7
UniRef90_D7AAI8
UniRef90_UPI00046584A2
UniRef90_I3CDE8
UniRef90_UPI00037CF9DF
UniRef90_K3WM07
UniRef90_A9BGC1
UniRef90_K2LRD2
UniRef90_UPI000376609F
UniRef90_S2L1C0
UniRef90_U3HBA5
UniRef90_UPI0003B433A2
UniRef90_Q39XL1
UniRef90_U7P6X2
UniRef90_K2JKE1
UniRef90_W9C2F2
UniRef90_T2L7J6
UniRef90_A6W2V6
UniRef90_Q1QYF4
UniRef90_V4RCM7
UniRef90_A0A059FE34
UniRef90_B7J4K3
UniRef90_UPI00035CCA90
UniRef90_UPI000371D317
UniRef90_U2FYC2
UniRef90_B9M4V3
UniRef90_F8JA60
UniRef90_T0GB87
UniRef90_N1MMP4
UniRef90_K9DS88
UniRef90_UPI00035D7A8C
UniRef90_H0Q3D0
UniRef90_A9RW94
UniRef90_K1ZWB1
UniRef90_D7EAM2
UniRef90_W0V6H4
UniRef90_Q207T5
UniRef90_UPI0004020A12
UniRef90_B3E9H6
UniRef90_Q92PU3
UniRef90_G0SBY0
UniRef90_UPI0003B36D0C
UniRef90_G1XVF5
UniRef90_I3T2W0
UniRef90_B9SI05
UniRef90_A0A022H0I7
UniRef90_UPI000365C13B
UniRef90_C4XGC2
UniRef90_Q6FRB1
UniRef90_Q19VH4
UniRef90_W1QHM8
UniRef90_B6J518
UniRef90_UPI000288A44A
UniRef90_UPI00047119F7
UniRef90_D9QK91
UniRef90_UPI0003668245
UniRef90_UPI0002624E66
UniRef90_S6F5D0
UniRef90_Q5P5L5
UniRef90_UPI00032A6267
UniRef90_W8WWC1
UniRef90_UPI0002FCFB41
UniRef90_U3QK32
UniRef90_W8RRF3
UniRef90_G4CJ66
UniRef90_A0A023NVE0
UniRef90_U4L312
UniRef90_UPI00032A5100
UniRef90_K4MQK2
UniRef90_G7KC69
UniRef90_G2LTR4
UniRef90_F3YU21
UniRef90_Q9Y763
UniRef90_UPI0003761A95
UniRef90_UPI000477E99E
UniRef90_X2HCE3
UniRef90_UPI0001DD10EC
UniRef90_A9TWV6
UniRef90_C0N3Z2
UniRef90_B8MHA8
UniRef90_A7TG51
UniRef90_F2SW75

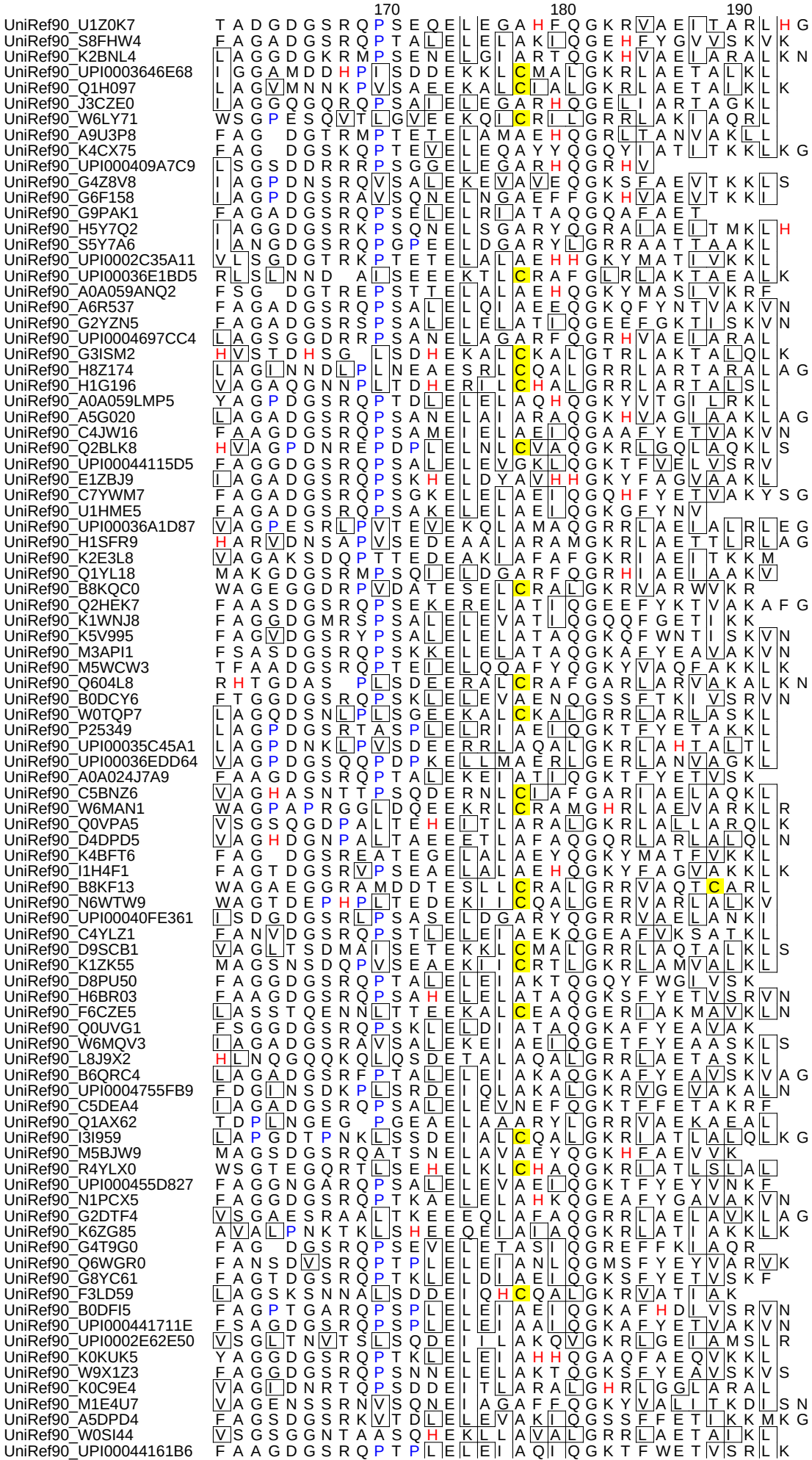

170
180
190
QUERY
UniRef90_Q0A961
UniRef90_W8QW20
UniRef90_K9HWV0
UniRef90_G1XYH3
UniRef90_UPI00037AEC46
UniRef90_U7R2P5
UniRef90_I5CJW2
UniRef90_D5SYZ9
UniRef90_G8APT8
UniRef90_Q2RXG7
UniRef90_D7AAI8
UniRef90_UPI00046584A2
UniRef90_I3CDE8
UniRef90_UPI00037CF9DF
UniRef90_K3WM07
UniRef90_A9BGC1
UniRef90_K2LRD2
UniRef90_UPI000376609F
UniRef90_S2L1C0
UniRef90_U3HBA5
UniRef90_UPI0003B433A2
UniRef90_Q39XL1
UniRef90_U7P6X2
UniRef90_K2JKE1
UniRef90_W9C2F2
UniRef90_T2L7J6
UniRef90_A6W2V6
UniRef90_Q1QYF4
UniRef90_V4RCM7
UniRef90_A0A059FE34
UniRef90_B7J4K3
UniRef90_UPI00035CCA90
UniRef90_UPI000371D317
UniRef90_U2FYC2
UniRef90_B9M4V3
UniRef90_F8JA60
UniRef90_T0GB87
UniRef90_N1MMP4
UniRef90_K9DS88
UniRef90_UPI00035D7A8C
UniRef90_H0Q3D0
UniRef90_A9RW94
UniRef90_K1ZWB1
UniRef90_D7EAM2
UniRef90_W0V6H4
UniRef90_Q207T5
UniRef90_UPI0004020A12
UniRef90_B3E9H6
UniRef90_Q92PU3
UniRef90_G0SBY0
UniRef90_UPI0003B36D0C
UniRef90_G1XVF5
UniRef90_I3T2W0
UniRef90_B9SI05
UniRef90_A0A022H0I7
UniRef90_UPI000365C13B
UniRef90_C4XGC2
UniRef90_Q6FRB1
UniRef90_Q19VH4
UniRef90_W1QHM8
UniRef90_B6J518
UniRef90_UPI000288A44A
UniRef90_UPI00047119F7
UniRef90_D9QK91
UniRef90_UPI0003668245
UniRef90_UPI0002624E66
UniRef90_S6F5D0
UniRef90_Q5P5L5
UniRef90_UPI00032A6267
UniRef90_W8WWC1
UniRef90_UPI0002FCFB41
UniRef90_U3QK32
UniRef90_W8RRF3
UniRef90_G4CJ66
UniRef90_A0A023NVE0
UniRef90_U4L312
UniRef90_UPI00032A5100
UniRef90_K4MQK2
UniRef90_G7KC69
UniRef90_G2LTR4
UniRef90_F3YU21
UniRef90_Q9Y763
UniRef90_UPI0003761A95
UniRef90_UPI000477E99E
UniRef90_X2HCE3
UniRef90_UPI0001DD10EC
UniRef90_A9TWV6
UniRef90_C0N3Z2
UniRef90_B8MHA8
UniRef90_A7TG51
UniRef90_F2SW75

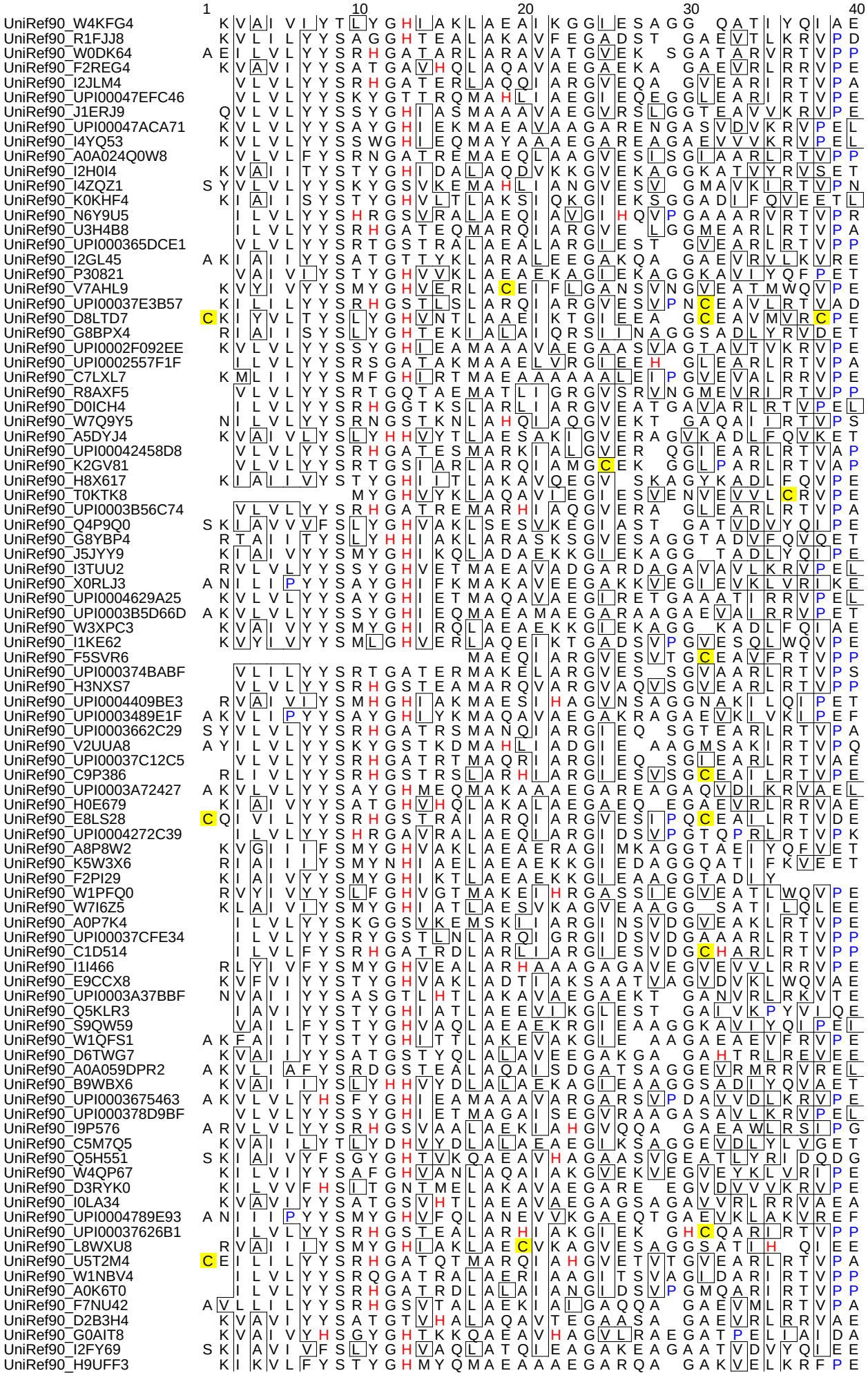

1
10
20
30
40
UniRef90_U1Z0K7
UniRef90_S8FHW4
UniRef90_K2BNL4
UniRef90_UPI0003646E68
UniRef90_Q1H097
UniRef90_J3CZE0
UniRef90_W6LY71
UniRef90_A9U3P8
UniRef90_K4CX75
UniRef90_UPI000409A7C9
UniRef90_G4Z8V8
UniRef90_G6F158
UniRef90_G9PAK1
UniRef90_H5Y7Q2
UniRef90_S5Y7A6
UniRef90_UPI0002C35A11
UniRef90_UPI00036E1BD5
UniRef90_A0A059ANQ2
UniRef90_A6R537
UniRef90_G2YZN5
UniRef90_UPI0004697CC4
UniRef90_G3ISM2
UniRef90_H8Z174
UniRef90_H1G196
UniRef90_A0A059LMP5
UniRef90_A5G020
UniRef90_C4JW16
UniRef90_Q2BLK8
UniRef90_UPI00044115D5
UniRef90_E1ZBJ9
UniRef90_C7YWM7
UniRef90_U1HME5
UniRef90_UPI00036A1D87
UniRef90_H1SFR9
UniRef90_K2E3L8
UniRef90_Q1YL18
UniRef90_B8KQC0
UniRef90_Q2HEK7
UniRef90_K1WNJ8
UniRef90_K5V995
UniRef90_M3API1
UniRef90_M5WCW3
UniRef90_Q604L8
UniRef90_B0DCY6
UniRef90_W0TQP7
UniRef90_P25349
UniRef90_UPI00035C45A1
UniRef90_UPI00036EDD64
UniRef90_A0A024J7A9
UniRef90_C5BNZ6
UniRef90_W6MAN1
UniRef90_Q0VPA5
UniRef90_D4DPD5
UniRef90_K4BFT6
UniRef90_I1H4F1
UniRef90_B8KF13
UniRef90_N6WTW9
UniRef90_UPI00040FE361
UniRef90_C4YLZ1
UniRef90_D9SCB1
UniRef90_K1ZK55
UniRef90_D8PU50
UniRef90_H6BR03
UniRef90_F6CZE5
UniRef90_Q0UVG1
UniRef90_W6MQV3
UniRef90_L8J9X2
UniRef90_B6QRC4
UniRef90_UPI0004755FB9
UniRef90_C5DEA4
UniRef90_Q1AX62
UniRef90_I3I959
UniRef90_M5BJW9
UniRef90_R4YLX0
UniRef90_UPI000455D827
UniRef90_N1PCX5
UniRef90_G2DTF4
UniRef90_K6ZG85
UniRef90_G4T9G0
UniRef90_Q6WGR0
UniRef90_G8YC61
UniRef90_F3LD59
UniRef90_B0DFI5
UniRef90_UPI000441711E
UniRef90_UPI0002E62E50
UniRef90_K0KUK5
UniRef90_W9X1Z3
UniRef90_K0C9E4
UniRef90_M1E4U7
UniRef90_A5DPD4
UniRef90_W0SI44
UniRef90_UPI00044161B6

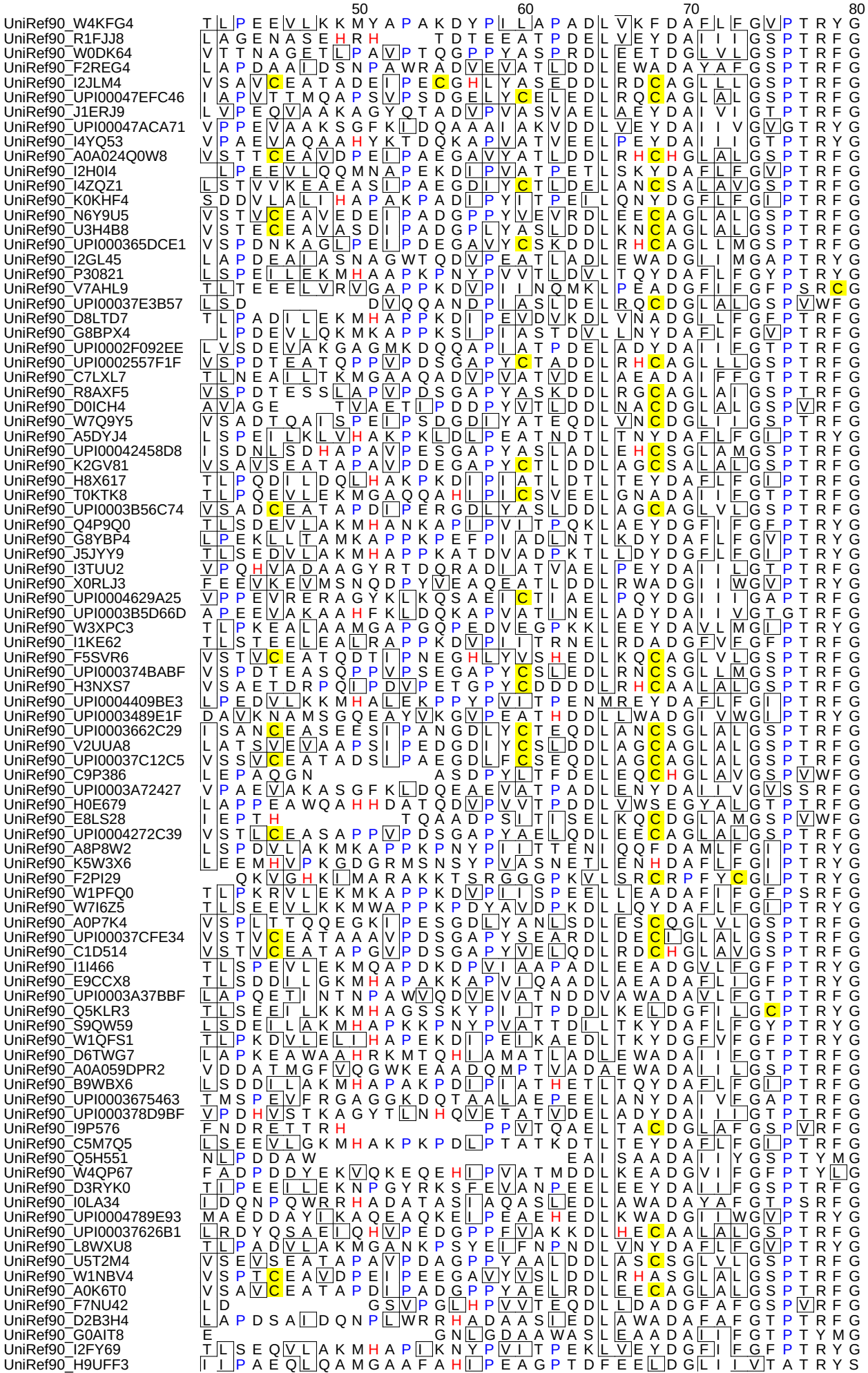

50
60
70
80
UniRef90_U1Z0K7
UniRef90_S8FHW4
UniRef90_K2BNL4
UniRef90_UPI0003646E68
UniRef90_Q1H097
UniRef90_J3CZE0
UniRef90_W6LY71
UniRef90_A9U3P8
UniRef90_K4CX75
UniRef90_UPI000409A7C9
UniRef90_G4Z8V8
UniRef90_G6F158
UniRef90_G9PAK1
UniRef90_H5Y7Q2
UniRef90_S5Y7A6
UniRef90_UPI0002C35A11
UniRef90_UPI00036E1BD5
UniRef90_A0A059ANQ2
UniRef90_A6R537
UniRef90_G2YZN5
UniRef90_UPI0004697CC4
UniRef90_G3ISM2
UniRef90_H8Z174
UniRef90_H1G196
UniRef90_A0A059LMP5
UniRef90_A5G020
UniRef90_C4JW16
UniRef90_Q2BLK8
UniRef90_UPI00044115D5
UniRef90_E1ZBJ9
UniRef90_C7YWM7
UniRef90_U1HME5
UniRef90_UPI00036A1D87
UniRef90_H1SFR9
UniRef90_K2E3L8
UniRef90_Q1YL18
UniRef90_B8KQC0
UniRef90_Q2HEK7
UniRef90_K1WNJ8
UniRef90_K5V995
UniRef90_M3API1
UniRef90_M5WCW3
UniRef90_Q604L8
UniRef90_B0DCY6
UniRef90_W0TQP7
UniRef90_P25349
UniRef90_UPI00035C45A1
UniRef90_UPI00036EDD64
UniRef90_A0A024J7A9
UniRef90_C5BNZ6
UniRef90_W6MAN1
UniRef90_Q0VPA5
UniRef90_D4DPD5
UniRef90_K4BFT6
UniRef90_I1H4F1
UniRef90_B8KF13
UniRef90_N6WTW9
UniRef90_UPI00040FE361
UniRef90_C4YLZ1
UniRef90_D9SCB1
UniRef90_K1ZK55
UniRef90_D8PU50
UniRef90_H6BR03
UniRef90_F6CZE5
UniRef90_Q0UVG1
UniRef90_W6MQV3
UniRef90_L8J9X2
UniRef90_B6QRC4
UniRef90_UPI0004755FB9
UniRef90_C5DEA4
UniRef90_Q1AX62
UniRef90_I3I959
UniRef90_M5BJW9
UniRef90_R4YLX0
UniRef90_UPI000455D827
UniRef90_N1PCX5
UniRef90_G2DTF4
UniRef90_K6ZG85
UniRef90_G4T9G0
UniRef90_Q6WGR0
UniRef90_G8YC61
UniRef90_F3LD59
UniRef90_B0DFI5
UniRef90_UPI000441711E
UniRef90_UPI0002E62E50
UniRef90_K0KUK5
UniRef90_W9X1Z3
UniRef90_K0C9E4
UniRef90_M1E4U7
UniRef90_A5DPD4
UniRef90_W0SI44
UniRef90_UPI00044161B6

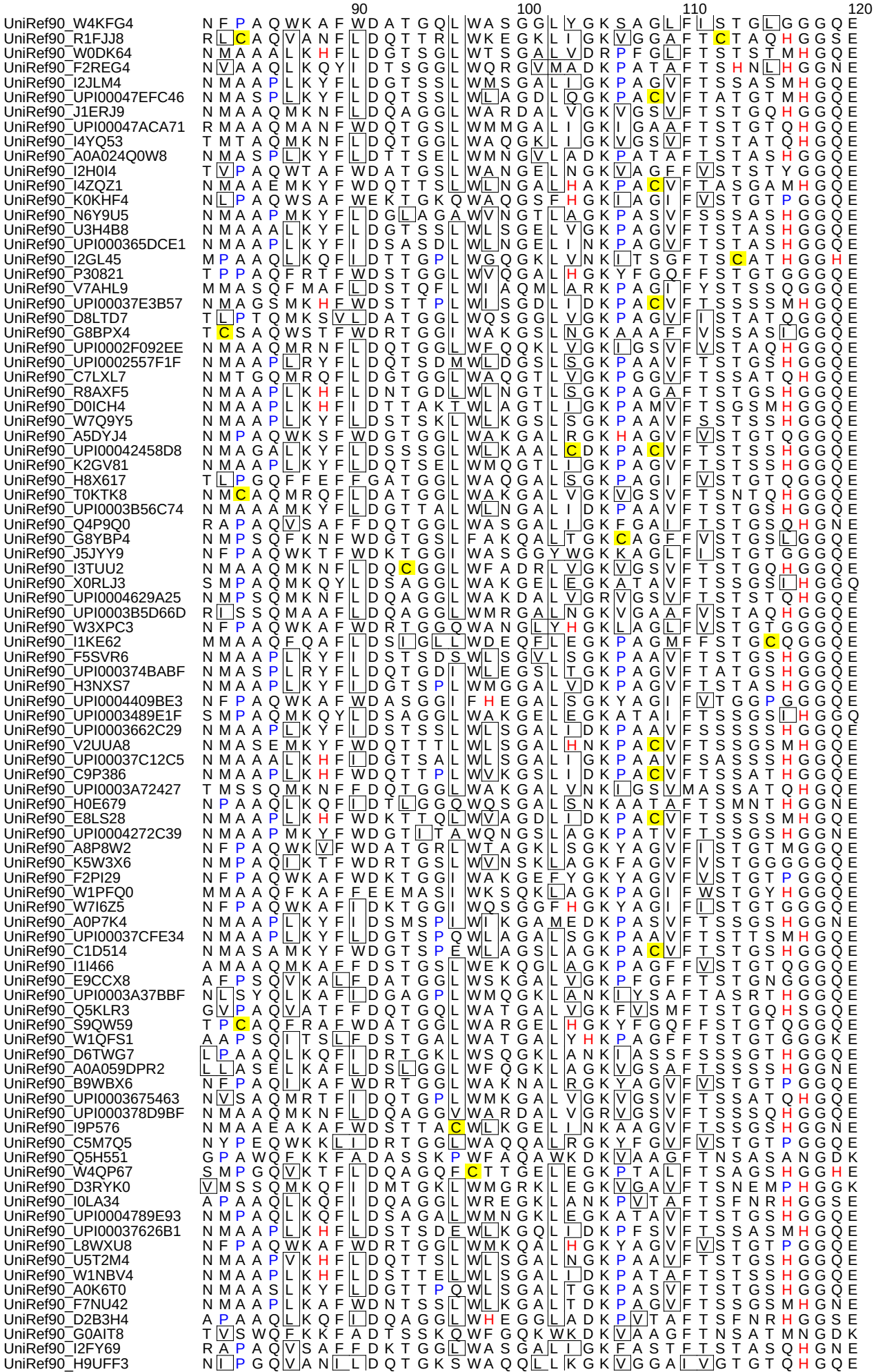

90
100
110
120
UniRef90_U1Z0K7 M M A A Q M K N F L D Q T G G L W A K G A L V N K V G S V M V S T A T Q H G G E
UniRef90_S8FHW4 N M P A Q L K A F F D A T G Q L W A Q G A L A N K Y V S V F V S T G T P G G Q E
UniRef90_K2BNL4 N M C A Q M R N F L D Q L G G L W M K N A F V N K I G S V F T S T G T Q H G Q E
UniRef90_UPI0003646E68 N M A A P M K Y F L D G T A G L W L K G A L I G K P A A V F T S S G S H G G N E
UniRef90_Q1H097 N M A A P M K Y F L D G T S V L W L K G A L I G K P A A V F T S T S S M H G Q E
UniRef90_J3CZE0 R I A S Q M A A F L D Q A G G L W M R G A L N G K V G G A F T S T A T Q H G Q E
UniRef90_W6LY71 N M A A P L K Y F L D S T G G L W L A G A L S G K P A A V F T S A S T H G G H E
UniRef90_A9U3P8 T M S A Q M K A F F D S T G G L W R G Q S L A G K P A G I F V S T G T Q G G Q E
UniRef90_K4CX75 M M P A Q F K A F F D A T G A I W K N Q Q L A G K P A G I F Y S T G S Q G G Q E
UniRef90_UPI000409A7C9 M M A A Q M K N F L D Q T G G L W F E N R L V G K V G A V F T S T G S Q H G Q E
UniRef90_G4Z8V8 D F P A Q A K T L F D S T G Q L W A A G D L I G K L G G A F V S T S L L G G Q E
UniRef90_G6F158 R L S S Q M A S F L D K T G G L W A Q G A L I G K V G A A F T S T G S Q H G Q E
UniRef90_G9PAK1 N F P A Q W K T F W D M T G G I W T S G G Y W G K K A G L F I T T G T P G G Q E
UniRef90_H5Y7Q2 R M T S Q M A S F L D Q A G G L W A R G A L H G K V G G A F T S T A T Q H G Q E
UniRef90_S5Y7A6 R M T G Q M S N F L D Q A G G L W A R G A L N G K V G A A F T S T A T Q H G Q E
UniRef90_UPI0002C35A11 S M A A Q M K A F F D S T G E L W K E Q K L A G V P A G F F V S T G T Q G G Q E
UniRef90_UPI00036E1BD5 N M A A P L K Y F I D G T T E L W F S G A L S G K P A G V F T S T G S M H G Q E
UniRef90_A0A059ANQ2 S M A S Q M K A F F D S T G G L W H E Q R L A G V P A G F F V S T G T Q G G Q E
UniRef90_A6R537 N F P A Q W K A F W D K T V G L W A S G G Y W G K Y V G L F V S S G T P G G Q E
UniRef90_G2YZN5 N F P A Q W K A F W D A T G S Q W Q T G G Y W G K F A G I F V S T G T P G G Q E
UniRef90_UPI0004697CC4 N M A A Q M K N F L D Q C G G L W F E N K L V G K V G S V F T S T G Q H G G Q E
UniRef90_G3ISM2 N M A A P L K Y F I D S T T E I W F S G A L S G K P A G V F T S T G S M H G Q E
UniRef90_H8Z174 N M A A P M K Y F L D G T S S L W L K G A L A G K P A G V F T S T S S H G G Q E
UniRef90_H1G196 N M A A P M K Y F L D Q S S S L W L A G T L V G K P A G V F T S T A T Q H G Q E
UniRef90_A0A059LMP5 Q V P A Q F K A F W D S T G G L W T K G A L A G K G Y S I F T S T G T I G G Q E
UniRef90_A5G020 N M C G Q M R N F L D Q T G G L W A K G A L I G K V G S V F A S T G T Q H G Q E
UniRef90_C4JW16 N F P A Q W K A F W D R T G A I W A K G G Y W G K Y V G T F V S T G T P G G Q E
UniRef90_Q2BLK8 N M A A P L K Y F I D S T S S L W L S G A L I D K P A S V F S S S S S H G G Q E
UniRef90_UPI00044115D5 N Q S A Q W R A F W D A T G Q L W Q S G A L H G K Y A G V F V S T G H G G Q E
UniRef90_E1ZBJ9 M M A S Q F K A F L D S T G G L W Q A G A L V G K P A G I F T S V A T Q G G G E
UniRef90_C7YWM7 N F P A Q W K A F W D K T G K Q W A S G G F W G K M A G I F V S T A S G G G Q E
UniRef90_U1HME5 N F P A Q F K A F W D Q T G G L W Q S G G L Y G K Y A S M F I S T S S M G G Q E
UniRef90_UPI00036A1D87 N M A A P M K Y F W D S T V N E W L Q G A L A G K P A S V F T S T G S M H G N E
UniRef90_H1SFR9 N M A A P M K Y F L D G T V A Q W L S G A L T G K P A C V F T A T G S H G G Q E
UniRef90_K2E3L8 N M T A Q M K N F I D Q T G S L W N Q G K L E N K I T G F F T S T S S H G G Q E
UniRef90_Q1YL18 N M A S Q M Q A F W D R T G P L W A K G A L V G K V G G A F T S S A S Q H G N E
UniRef90_B8KQC0 N M A A P M K H F I D Q T S G L W L S G A L V D K P A A V F T S T S S H G G Q E
UniRef90_Q2HEK7 N F P A Q W K A F W D Q T G K Q W A T G G F H G K Y A G L F I S T G M G G G Q E
UniRef90_K1WNJ8 N F P A Q W K S F W D A T G G L W A S G G L W G K Y A G V F I S S A S P G G Q E
UniRef90_K5V995 N F P G Q W K A F W D Q T G G H W A K G S L A G K Y A G V F V S T S T Q G G Q E
UniRef90_M3API1 N F P A Q W K A F W D S T G G Q W Q S G A F W G K Y A G L F V S T A T G G G Q E
UniRef90_M5WCW3 V M A A Q F K A F F D A T H E I W E K Q A L A G K P A G I F W S T G F H G G Q E
UniRef90_Q604L8 N M A A P L K H F L D S T S A L W F S G A L S G K P A G V F T S T A S M H G Q E
UniRef90_B0DCY6 N F P A Q W K A F W D S T G Q L W A Q G A L A G K Y A G V F V S T G Q G G G Q E
UniRef90_W0TQP7 N M A A P M K Y F L D S T S S L W L G G A L M G K P A G V F T S T S S H G G Q E
UniRef90_P25349 N L P A Q W S A F W D K T G G L W A K G S L N G K A A G I F V S T S S Y G G Q E
UniRef90_UPI00035C45A1 N M A A P M K Y F L D G T S A L W L A G A L V G K P A A V F T S T S S H G G Q E
UniRef90_UPI00036EDD64 A M P A Q M K Q F L D S A G A L W L N G E L E G K A T S I F T S T G S H G G Q E
UniRef90_A0A024J7A9 N F P A Q W K A F W D A T G G L W A S G A L A G K Y A G V F V S T G T P G G Q E
UniRef90_C5BNZ6 N M A A P L K H F I D N T S G L W L N G E L I G R P A G V F T S T G S H G G Q E
UniRef90_W6MAN1 N M A A P L K Y F L D S T G D L W L A G A L V G K P A A V F T S A A T H G G H E
UniRef90_Q0VPA5 N M A A P L K Y F I D Q T S E L W M N G S L I G K P A G V F S A T G S H G G Q E
UniRef90_D4DPD5 N M A A A I K Y F L D G T I P H W L S G H L I G K P A T V F A S G A S H G G Q E
UniRef90_K4BFT6 C M A G Q M K A L F D S T G N L W K E Q K L A G K P A G F F V S S G S Q G G Q E
UniRef90_I1H4F1 M M A A Q M K A F F D A T G G L W H A G A L A G K P A G F F F A S G T Q G G Q E
UniRef90_B8KF13 N M A A P L K Y F I D Q T S D L W L S G S M I D K P A A V F T S T A S H G G Q E
UniRef90_N6WTW9 N M A A P L K Y F L D S T G D M W L N G A L V D K P A G L F T S T G S H G G Q E
UniRef90_UPI00040FE361 R M S S Q M A S F W D R A G G V W Y Q G A L N G K V G G A F T S T A T Q H G Q E
UniRef90_C4YLZ1 T A P A Q F F E F W G A T G G L W A N G S L A G K P A G V F V T S G Q G G G Q E
UniRef90_D9SCB1 N M A G A M K H F W D G T S E L W M K H A L V G K P A A L F T S S S S H G G Q E
UniRef90_K1ZK55 N M A A A L K Y F L D S T G A L W Q S G A L I D K P A A C F T S T A S H G G Q E
UniRef90_D8PU50 N F P G Q W K A F W D T T G A L W A R G A L A G K F A S A F V S T A S P G G Q E
UniRef90_H6BR03 N F S A Q W K T F I D Q L G Q L W M G G A L H G K Y F G L F V S T G T G G G Q E
UniRef90_F6CZE5 S M A A P L K H F I D Q T S T L W M T G Q L I D K P A C G F T S A S T M H G Q E
UniRef90_Q0UVG1 N F P A Q F K T F W D K T G G Q W A Q G S Y W G K Y A G L F I S T G T Q G G Q E
UniRef90_W6MQV3 N F P A Q F K A F I D G T G G L W A S G A L Y H K P A G I F V S T G T G G N E
UniRef90_L8J9X2 N M A A P L K H F I D S T S A Q W L A G T L I G K P A C V F T S S S S M H G Q E
UniRef90_B6QRC4 N F P A Q W K A F W D R T G G I W A A G G Y W G K Y A G L F V S T G T G G G Q E
UniRef90_UPI0004755FB9 N M A A P L K Y F I D T T S D L W F E G T L I N K P A A F F T S T A S H G G Q E
UniRef90_C5DEA4 N F P A Q W K A F W D A T G G L W A K G A L H G K V A G V F V S T G T G G G N E
UniRef90_Q1AX62 N V S A Q L K Q F L D T A G P L W A E G K L A D K V A A G F T S Q N A H G G Q E
UniRef90_I3I959 N M A A P M K Y F L D G T S S Q W L N G D L I N K P A A V F T S T S T L H G G Q
UniRef90_M5BJW9 R A P A Q I S A F F D T T G S L W F T Q A L H G K F A T V F V S T G T Q H G Q E
UniRef90_R4YLX0 N M A A P L K Y F I D G T S N L W M T G K L V N K P A G V F T A T S S H G G Q E
UniRef90_UPI000455D827 N F P G Q W K T F W D S T G Q L W M Q G A L A G K F A G I F V S T S T P G G Q E
UniRef90_N1PCX5 N F P A Q W K T F W D S T G G Q W Q T G A Y W G K Y A G L F V S T A S G G G Q E
UniRef90_G2DTF4 N M A A A M K Y F I D G T V P Q W L G G E L I G K P A T V F T S T S S M H G Q E
UniRef90_K6ZG85 N M S G A M K F F W D T T S G L W L K G S L I D K P A C T F T S S S S H G G Q E
UniRef90_G4T9G0 G F P A Q F K A F F D A S G Q L W Q A G Q L W G K F A G A F V S T G G P G G Q E
UniRef90_Q6WGR0 N F P V Q W K A F W D S T G P L W A S T A L C G K Y A G L F V S T G S P G G Q E
UniRef90_G8YC61 N Y P A Q F K A F W D A T G G L W A S G A L H G K P A G I F V S T A T G G G Q E
UniRef90_F3LD59 N M A A P L K Y F L D S T S S Q W L N G D L I D K P A A V F T S T G S H G G Q E
UniRef90_B0DFI5 N M P A Q W K A L W D A T G Q L W A T G K L A G K Y A G V F V S T G H G G G Q E
UniRef90_UPI000441711E N F P A Q F K A F W D A T G Q L W Q Q G A L A G K F A G V F I S T G H G G G Q E
UniRef90_UPI0002E62E50 N M A A P L K Y F L D S T T P L W L T G D L V D K P A C V F S S S T S M H G Q E
UniRef90_K0KUK5 N M P S Q W K S F W D G T G G L W A K S S L Q G K A A G L F V S T A T P G G Q E
UniRef90_W9X1Z3 T Y S A Q W K T F I D R L G Q L W Q S G A L F G K Y F G L F V S T A T G G G Q E
UniRef90_K0C9E4 N M A A P L K Y F I D Q T S D L W M S G D L I G K P A G V F T A S A S Q H G Q E
UniRef90_M1E4U7 N M C A Q M K T F L D S T G S I W S R G E L F G K V G S V F V S N T Q H G G Q E
UniRef90_A5DPD4 N F P S Q F K N F W D Q T G A L W A N G E L I G K P A G V F V S T G T G G G Q E
UniRef90_W0SI44 N M A A P L K Y F L D S T S G L W L K G A L A G K P A V V F T S T T M H G Q E
UniRef90_UPI00044161B6 N Q P A Q W R T F W D S T G Q L W Q S G G L Y G K H A G L F I S T G A G G G Q E

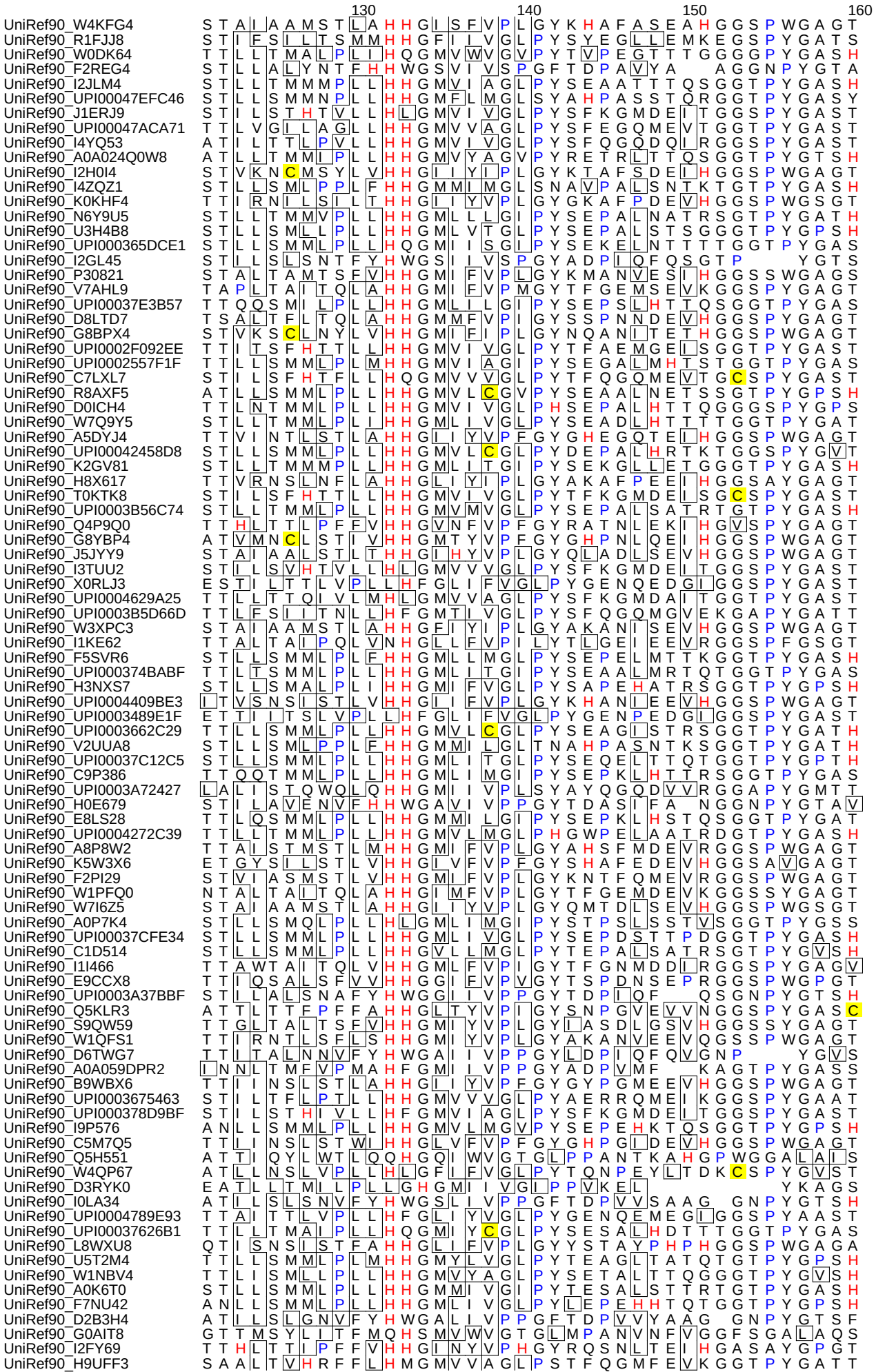

130
140
150
160
UniRef90_U1Z0K7
UniRef90_S8FHW4
UniRef90_K2BNL4
UniRef90_UPI0003646E68
UniRef90_Q1H097
UniRef90_J3CZE0
UniRef90_W6LY71
UniRef90_A9U3P8
UniRef90_K4CX75
UniRef90_UPI000409A7C9
UniRef90_G4Z8V8
UniRef90_G6F158
UniRef90_G9PAK1
UniRef90_H5Y7Q2
UniRef90_S5Y7A6
UniRef90_UPI0002C35A11
UniRef90_UPI00036E1BD5
UniRef90_A0A059ANQ2
UniRef90_A6R537
UniRef90_G2YZN5
UniRef90_UPI0004697CC4
UniRef90_G3ISM2
UniRef90_H8Z174
UniRef90_H1G196
UniRef90_A0A059LMP5
UniRef90_A5G020
UniRef90_C4JW16
UniRef90_Q2BLK8
UniRef90_UPI00044115D5
UniRef90_E1ZBJ9
UniRef90_C7YWM7
UniRef90_U1HME5
UniRef90_UPI00036A1D87
UniRef90_H1SFR9
UniRef90_K2E3L8
UniRef90_Q1YL18
UniRef90_B8KQC0
UniRef90_Q2HEK7
UniRef90_K1WNJ8
UniRef90_K5V995
UniRef90_M3API1
UniRef90_M5WCW3
UniRef90_Q604L8
UniRef90_B0DCY6
UniRef90_W0TQP7
UniRef90_P25349
UniRef90_UPI00035C45A1
UniRef90_UPI00036EDD64
UniRef90_A0A024J7A9
UniRef90_C5BNZ6
UniRef90_W6MAN1
UniRef90_Q0VPA5
UniRef90_D4DPD5
UniRef90_K4BFT6
UniRef90_I1H4F1
UniRef90_B8KF13
UniRef90_N6WTW9
UniRef90_UPI00040FE361
UniRef90_C4YLZ1
UniRef90_D9SCB1
UniRef90_K1ZK55
UniRef90_D8PU50
UniRef90_H6BR03
UniRef90_F6CZE5
UniRef90_Q0UVG1
UniRef90_W6MQV3
UniRef90_L8J9X2
UniRef90_B6QRC4
UniRef90_UPI0004755FB9
UniRef90_C5DEA4
UniRef90_Q1AX62
UniRef90_I3I959
UniRef90_M5BJW9
UniRef90_R4YLX0
UniRef90_UPI000455D827
UniRef90_N1PCX5
UniRef90_G2DTF4
UniRef90_K6ZG85
UniRef90_G4T9G0
UniRef90_Q6WGR0
UniRef90_G8YC61
UniRef90_F3LD59
UniRef90_B0DFI5
UniRef90_UPI000441711E
UniRef90_UPI0002E62E50
UniRef90_K0KUK5
UniRef90_W9X1Z3
UniRef90_K0C9E4
UniRef90_M1E4U7
UniRef90_A5DPD4
UniRef90_W0SI44
UniRef90_UPI00044161B6

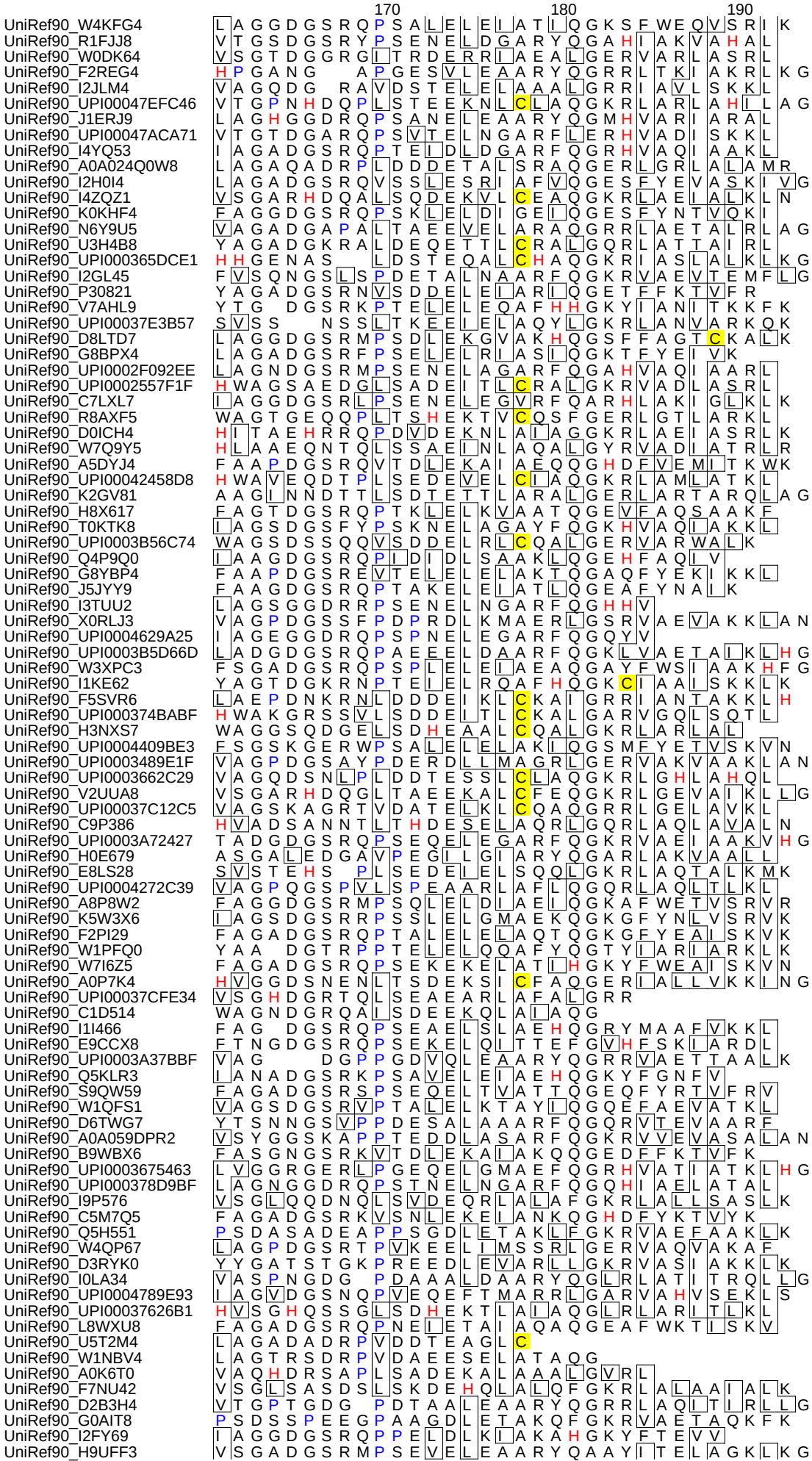

170
180
190
UniRef90_U1Z0K7
UniRef90_S8FHW4
UniRef90_K2BNL4
UniRef90_UPI0003646E68
UniRef90_Q1H097
UniRef90_J3CZE0
UniRef90_W6LY71
UniRef90_A9U3P8
UniRef90_K4CX75
UniRef90_UPI000409A7C9
UniRef90_G4Z8V8
UniRef90_G6F158
UniRef90_G9PAK1
UniRef90_H5Y7Q2
UniRef90_S5Y7A6
UniRef90_UPI0002C35A11
UniRef90_UPI00036E1BD5
UniRef90_A0A059ANQ2
UniRef90_A6R537
UniRef90_G2YZN5
UniRef90_UPI0004697CC4
UniRef90_G3ISM2
UniRef90_H8Z174
UniRef90_H1G196
UniRef90_A0A059LMP5
UniRef90_A5G020
UniRef90_C4JW16
UniRef90_Q2BLK8
UniRef90_UPI00044115D5
UniRef90_E1ZBJ9
UniRef90_C7YWM7
UniRef90_U1HME5
UniRef90_UPI00036A1D87
UniRef90_H1SFR9
UniRef90_K2E3L8
UniRef90_Q1YL18
UniRef90_B8KQC0
UniRef90_Q2HEK7
UniRef90_K1WNJ8
UniRef90_K5V995
UniRef90_M3API1
UniRef90_M5WCW3
UniRef90_Q604L8
UniRef90_B0DCY6
UniRef90_W0TQP7
UniRef90_P25349
UniRef90_UPI00035C45A1
UniRef90_UPI00036EDD64
UniRef90_A0A024J7A9
UniRef90_C5BNZ6
UniRef90_W6MAN1
UniRef90_Q0VPA5
UniRef90_D4DPD5
UniRef90_K4BFT6
UniRef90_I1H4F1
UniRef90_B8KF13
UniRef90_N6WTW9
UniRef90_UPI00040FE361
UniRef90_C4YLZ1
UniRef90_D9SCB1
UniRef90_K1ZK55
UniRef90_D8PU50
UniRef90_H6BR03
UniRef90_F6CZE5
UniRef90_Q0UVG1
UniRef90_W6MQV3
UniRef90_L8J9X2
UniRef90_B6QRC4
UniRef90_UPI0004755FB9
UniRef90_C5DEA4
UniRef90_Q1AX62
UniRef90_I3I959
UniRef90_M5BJW9
UniRef90_R4YLX0
UniRef90_UPI000455D827
UniRef90_N1PCX5
UniRef90_G2DTF4
UniRef90_K6ZG85
UniRef90_G4T9G0
UniRef90_Q6WGR0
UniRef90_G8YC61
UniRef90_F3LD59
UniRef90_B0DFI5
UniRef90_UPI000441711E
UniRef90_UPI0002E62E50
UniRef90_K0KUK5
UniRef90_W9X1Z3
UniRef90_K0C9E4
UniRef90_M1E4U7
UniRef90_A5DPD4
UniRef90_W0SI44
UniRef90_UPI00044161B6

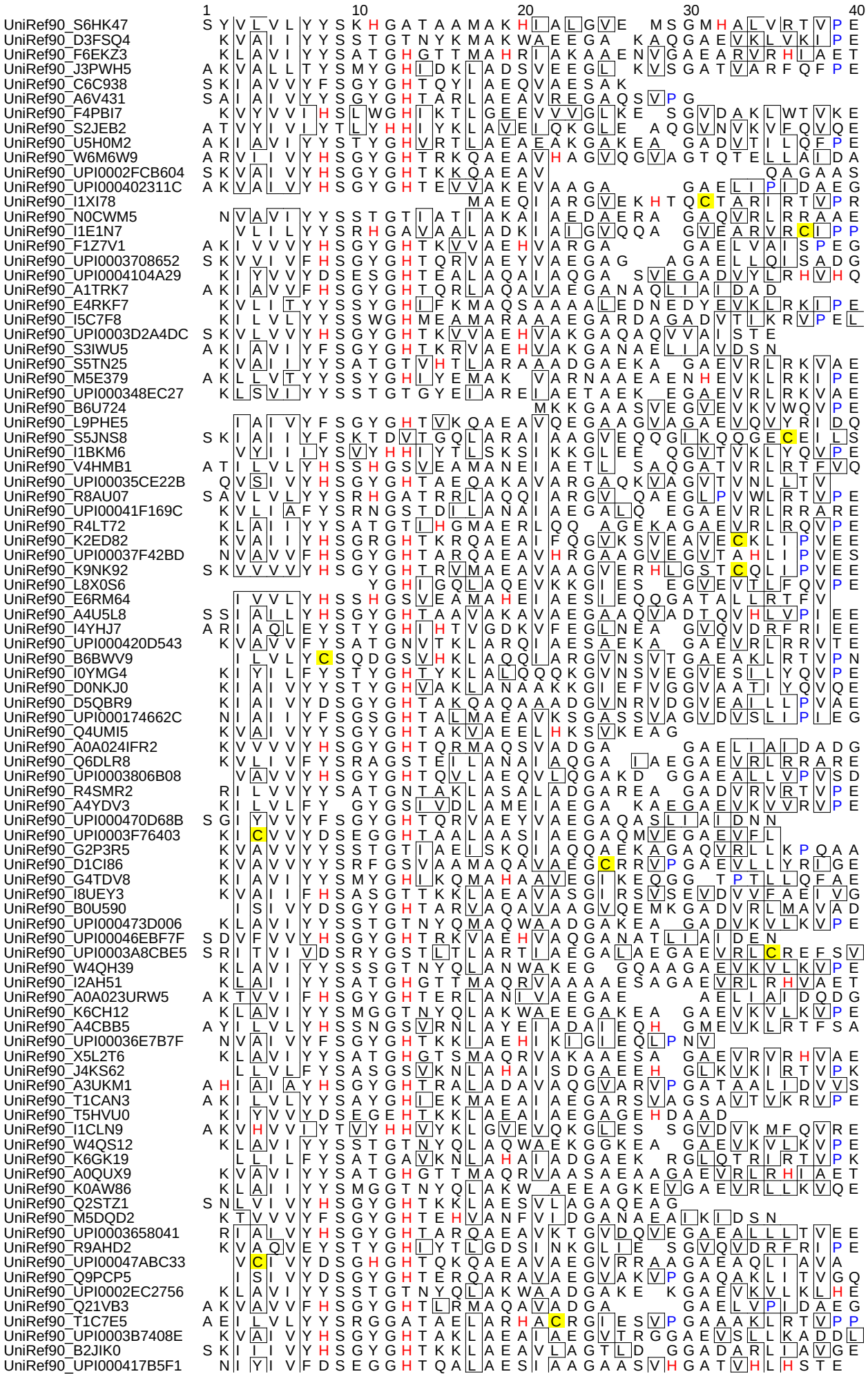

1
10
20
30
40
UniRef90_W4KFG4
UniRef90_R1FJJ8
UniRef90_W0DK64
UniRef90_F2REG4
UniRef90_I2JLM4
UniRef90_UPI00047EFC46
UniRef90_J1ERJ9
UniRef90_UPI00047ACA71
UniRef90_I4YQ53
UniRef90_A0A024Q0W8
UniRef90_I2H0I4
UniRef90_I4ZQZ1
UniRef90_K0KHF4
UniRef90_N6Y9U5
UniRef90_U3H4B8
UniRef90_UPI000365DCE1
UniRef90_I2GL45
UniRef90_P30821
UniRef90_V7AHL9
UniRef90_UPI00037E3B57
UniRef90_D8LTD7
UniRef90_G8BPX4
UniRef90_UPI0002F092EE
UniRef90_UPI0002557F1F
UniRef90_C7LXL7
UniRef90_R8AXF5
UniRef90_D0ICH4
UniRef90_W7Q9Y5
UniRef90_A5DYJ4
UniRef90_UPI00042458D8
UniRef90_K2GV81
UniRef90_H8X617
UniRef90_T0KTK8
UniRef90_UPI0003B56C74
UniRef90_Q4P9Q0
UniRef90_G8YBP4
UniRef90_J5JYY9
UniRef90_I3TUU2
UniRef90_X0RLJ3
UniRef90_UPI0004629A25
UniRef90_UPI0003B5D66D
UniRef90_W3XPC3
UniRef90_I1KE62
UniRef90_F5SVR6
UniRef90_UPI000374BABF
UniRef90_H3NXS7
UniRef90_UPI0004409BE3
UniRef90_UPI0003489E1F
UniRef90_UPI0003662C29
UniRef90_V2UUA8
UniRef90_UPI00037C12C5
UniRef90_C9P386
UniRef90_UPI0003A72427
UniRef90_H0E679
UniRef90_E8LS28
UniRef90_UPI0004272C39
UniRef90_A8P8W2
UniRef90_K5W3X6
UniRef90_F2PI29
UniRef90_W1PFQ0
UniRef90_W7I6Z5
UniRef90_A0P7K4
UniRef90_UPI00037CFE34
UniRef90_C1D514
UniRef90_I1I466
UniRef90_E9CCX8
UniRef90_UPI0003A37BBF
UniRef90_Q5KLR3
UniRef90_S9QW59
UniRef90_W1QFS1
UniRef90_D6TWG7
UniRef90_A0A059DPR2
UniRef90_B9WBX6
UniRef90_UPI0003675463
UniRef90_UPI000378D9BF
UniRef90_I9P576
UniRef90_C5M7Q5
UniRef90_Q5H551
UniRef90_W4QP67
UniRef90_D3RYK0
UniRef90_I0LA34
UniRef90_UPI0004789E93
UniRef90_UPI00037626B1
UniRef90_L8WXU8
UniRef90_U5T2M4
UniRef90_W1NBV4
UniRef90_A0K6T0
UniRef90_F7NU42
UniRef90_D2B3H4
UniRef90_G0AIT8
UniRef90_I2FY69
UniRef90_H9UFF3

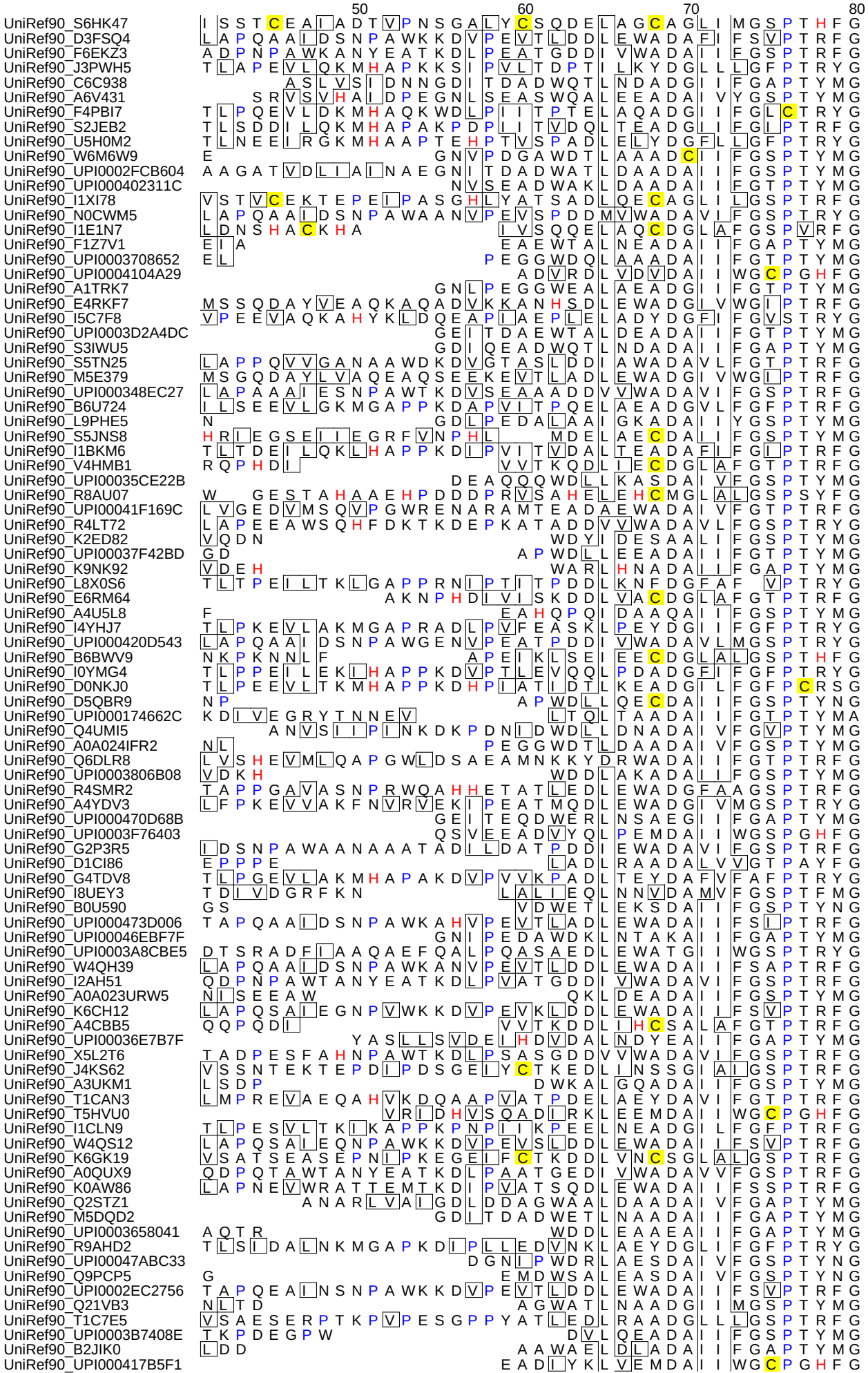

50
60
70
80
UniRef90_W4KFG4
UniRef90_R1FJJ8
UniRef90_W0DK64
UniRef90_F2REG4
UniRef90_I2JLM4
UniRef90_UPI00047EFC46
UniRef90_J1ERJ9
UniRef90_UPI00047ACA71
UniRef90_I4YQ53
UniRef90_A0A024Q0W8
UniRef90_I2H0I4
UniRef90_I4ZQZ1
UniRef90_K0KHF4
UniRef90_N6Y9U5
UniRef90_U3H4B8
UniRef90_UPI000365DCE1
UniRef90_I2GL45
UniRef90_P30821
UniRef90_V7AHL9
UniRef90_UPI00037E3B57
UniRef90_D8LTD7
UniRef90_G8BPX4
UniRef90_UPI0002F092EE
UniRef90_UPI0002557F1F
UniRef90_C7LXL7
UniRef90_R8AXF5
UniRef90_D0ICH4
UniRef90_W7Q9Y5
UniRef90_A5DYJ4
UniRef90_UPI00042458D8
UniRef90_K2GV81
UniRef90_H8X617
UniRef90_T0KTK8
UniRef90_UPI0003B56C74
UniRef90_Q4P9Q0
UniRef90_G8YBP4
UniRef90_J5JYY9
UniRef90_I3TUU2
UniRef90_X0RLJ3
UniRef90_UPI0004629A25
UniRef90_UPI0003B5D66D
UniRef90_W3XPC3
UniRef90_I1KE62
UniRef90_F5SVR6
UniRef90_UPI000374BABF
UniRef90_H3NXS7
UniRef90_UPI0004409BE3
UniRef90_UPI0003489E1F
UniRef90_UPI0003662C29
UniRef90_V2UUA8
UniRef90_UPI00037C12C5
UniRef90_C9P386
UniRef90_UPI0003A72427
UniRef90_H0E679
UniRef90_E8LS28
UniRef90_UPI0004272C39
UniRef90_A8P8W2
UniRef90_K5W3X6
UniRef90_F2PI29
UniRef90_W1PFQ0
UniRef90_W7I6Z5
UniRef90_A0P7K4
UniRef90_UPI00037CFE34
UniRef90_C1D514
UniRef90_I1I466
UniRef90_E9CCX8
UniRef90_UPI0003A37BBF
UniRef90_Q5KLR3
UniRef90_S9QW59
UniRef90_W1QFS1
UniRef90_D6TWG7
UniRef90_A0A059DPR2
UniRef90_B9WBX6
UniRef90_UPI0003675463
UniRef90_UPI000378D9BF
UniRef90_I9P576
UniRef90_C5M7Q5
UniRef90_Q5H551
UniRef90_W4QP67
UniRef90_D3RYK0
UniRef90_I0LA34
UniRef90_UPI0004789E93
UniRef90_UPI00037626B1
UniRef90_L8WXU8
UniRef90_U5T2M4
UniRef90_W1NBV4
UniRef90_A0K6T0
UniRef90_F7NU42
UniRef90_D2B3H4
UniRef90_G0AIT8
UniRef90_I2FY69
UniRef90_H9UFF3

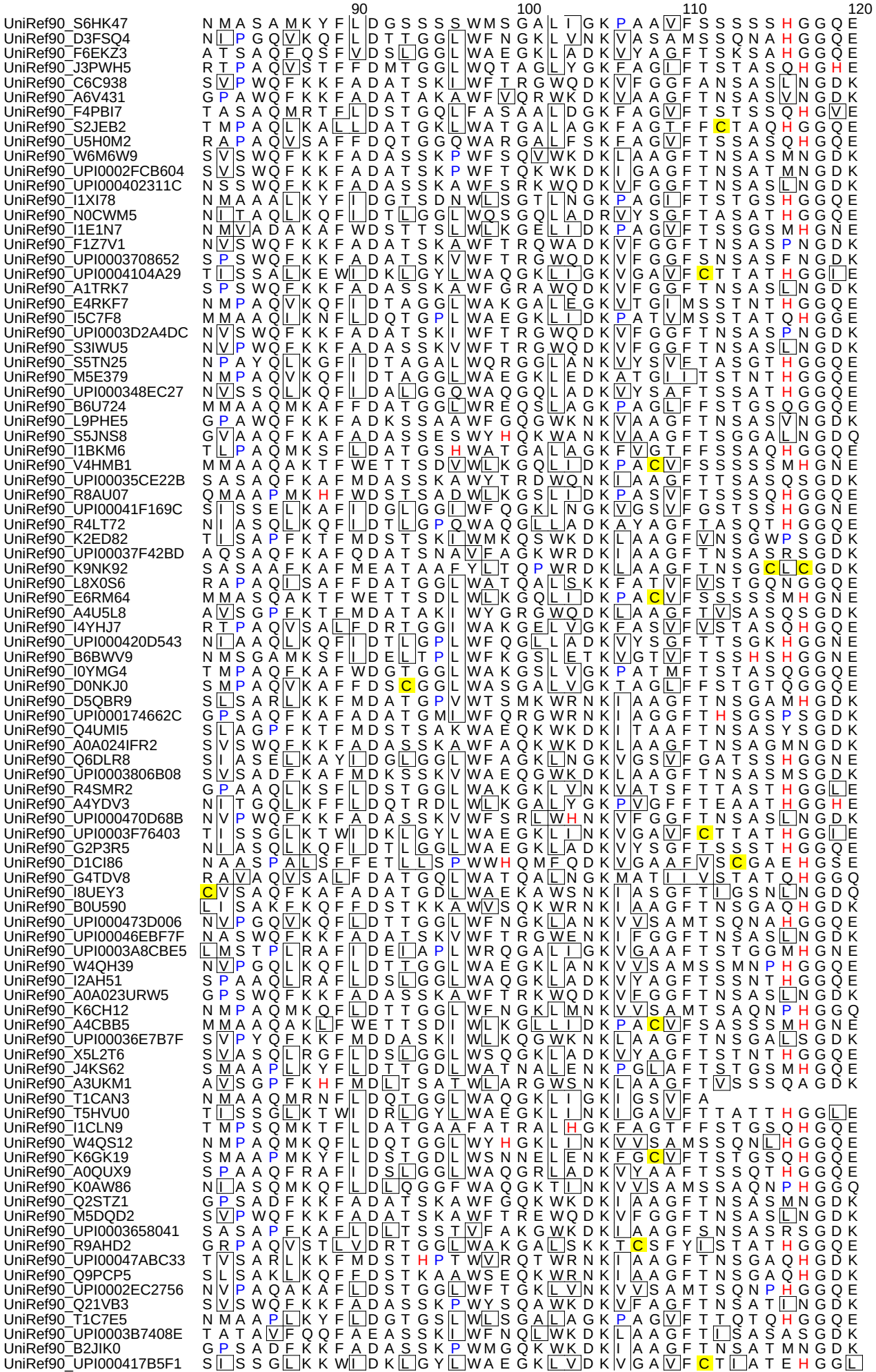

90
100
110
120
UniRef90_W4KFG4
UniRef90_R1FJJ8
UniRef90_W0DK64
UniRef90_F2REG4
UniRef90_I2JLM4
UniRef90_UPI00047EFC46
UniRef90_J1ERJ9
UniRef90_UPI00047ACA71
UniRef90_I4YQ53
UniRef90_A0A024Q0W8
UniRef90_I2H0I4
UniRef90_I4ZQZ1
UniRef90_K0KHF4
UniRef90_N6Y9U5
UniRef90_U3H4B8
UniRef90_UPI000365DCE1
UniRef90_I2GL45
UniRef90_P30821
UniRef90_V7AHL9
UniRef90_UPI00037E3B57
UniRef90_D8LTD7
UniRef90_G8BPX4
UniRef90_UPI0002F092EE
UniRef90_UPI0002557F1F
UniRef90_C7LXL7
UniRef90_R8AXF5
UniRef90_D0ICH4
UniRef90_W7Q9Y5
UniRef90_A5DYJ4
UniRef90_UPI00042458D8
UniRef90_K2GV81
UniRef90_H8X617
UniRef90_T0KTK8
UniRef90_UPI0003B56C74
UniRef90_Q4P9Q0
UniRef90_G8YBP4
UniRef90_J5JYY9
UniRef90_I3TUU2
UniRef90_X0RLJ3
UniRef90_UPI0004629A25
UniRef90_UPI0003B5D66D
UniRef90_W3XPC3
UniRef90_I1KE62
UniRef90_F5SVR6
UniRef90_UPI000374BABF
UniRef90_H3NXS7
UniRef90_UPI0004409BE3
UniRef90_UPI0003489E1F
UniRef90_UPI0003662C29
UniRef90_V2UUA8
UniRef90_UPI00037C12C5
UniRef90_C9P386
UniRef90_UPI0003A72427
UniRef90_H0E679
UniRef90_E8LS28
UniRef90_UPI0004272C39
UniRef90_A8P8W2
UniRef90_K5W3X6
UniRef90_F2PI29
UniRef90_W1PFQ0
UniRef90_W7I6Z5
UniRef90_A0P7K4
UniRef90_UPI00037CFE34
UniRef90_C1D514
UniRef90_I1I466
UniRef90_E9CCX8
UniRef90_UPI0003A37BBF
UniRef90_Q5KLR3
UniRef90_S9QW59
UniRef90_W1QFS1
UniRef90_D6TWG7
UniRef90_A0A059DPR2
UniRef90_B9WBX6
UniRef90_UPI0003675463
UniRef90_UPI000378D9BF
UniRef90_I9P576
UniRef90_C5M7Q5
UniRef90_Q5H551
UniRef90_W4QP67
UniRef90_D3RYK0
UniRef90_I0LA34
UniRef90_UPI0004789E93
UniRef90_UPI00037626B1
UniRef90_L8WXU8
UniRef90_U5T2M4
UniRef90_W1NBV4
UniRef90_A0K6T0
UniRef90_F7NU42
UniRef90_D2B3H4
UniRef90_G0AIT8
UniRef90_I2FY69
UniRef90_H9UFF3

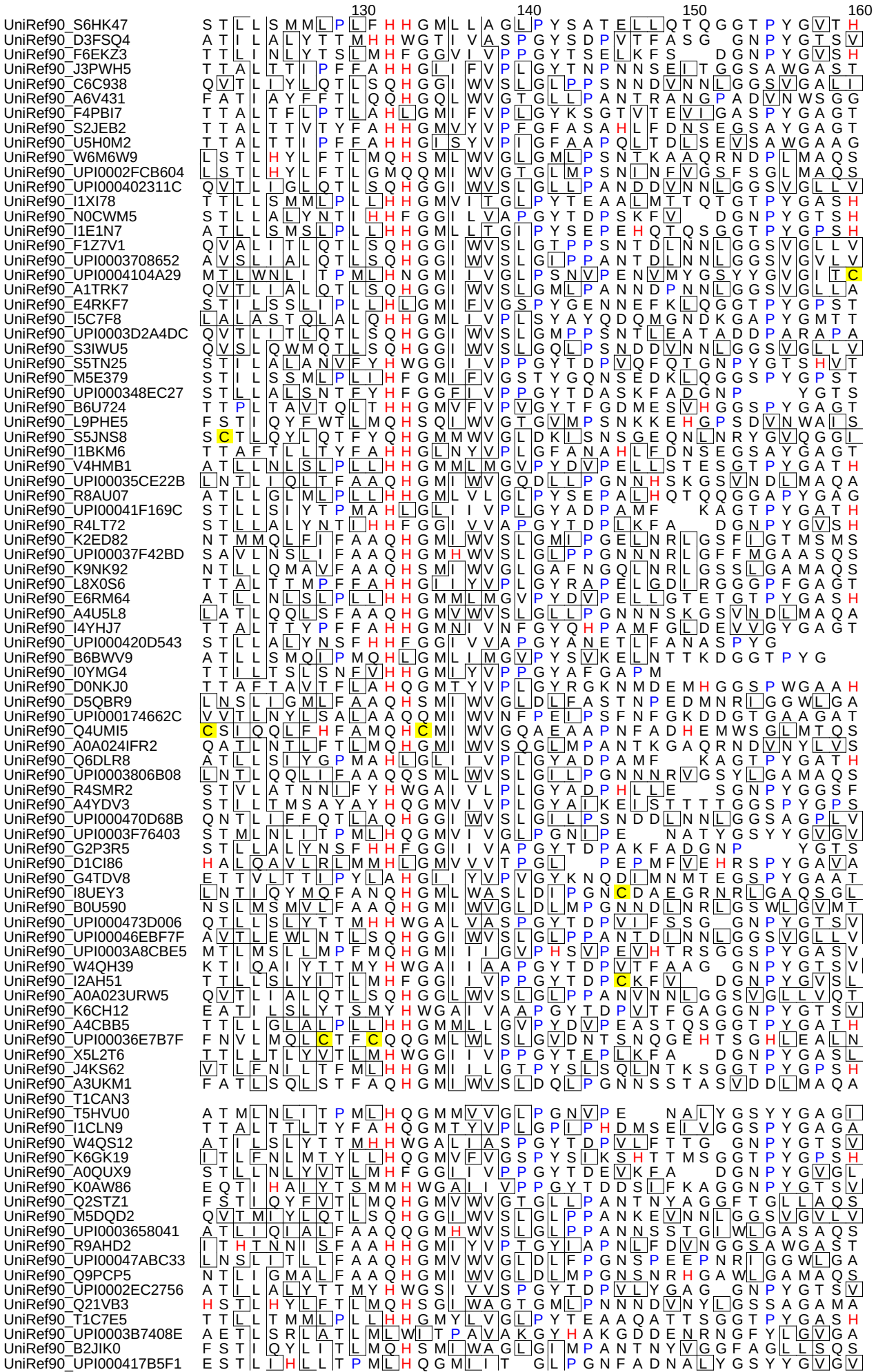

130
140
150
160
UniRef90_W4KFG4
UniRef90_R1FJJ8
UniRef90_W0DK64
UniRef90_F2REG4
UniRef90_I2JLM4
UniRef90_UPI00047EFC46
UniRef90_J1ERJ9
UniRef90_UPI00047ACA71
UniRef90_I4YQ53
UniRef90_A0A024Q0W8
UniRef90_I2H0I4
UniRef90_I4ZQZ1
UniRef90_K0KHF4
UniRef90_N6Y9U5
UniRef90_U3H4B8
UniRef90_UPI000365DCE1
UniRef90_I2GL45
UniRef90_P30821
UniRef90_V7AHL9
UniRef90_UPI00037E3B57
UniRef90_D8LTD7
UniRef90_G8BPX4
UniRef90_UPI0002F092EE
UniRef90_UPI0002557F1F
UniRef90_C7LXL7
UniRef90_R8AXF5
UniRef90_D0ICH4
UniRef90_W7Q9Y5
UniRef90_A5DYJ4
UniRef90_UPI00042458D8
UniRef90_K2GV81
UniRef90_H8X617
UniRef90_T0KTK8
UniRef90_UPI0003B56C74
UniRef90_Q4P9Q0
UniRef90_G8YBP4
UniRef90_J5JYY9
UniRef90_I3TUU2
UniRef90_X0RLJ3
UniRef90_UPI0004629A25
UniRef90_UPI0003B5D66D
UniRef90_W3XPC3
UniRef90_I1KE62
UniRef90_F5SVR6
UniRef90_UPI000374BABF
UniRef90_H3NXS7
UniRef90_UPI0004409BE3
UniRef90_UPI0003489E1F
UniRef90_UPI0003662C29
UniRef90_V2UUA8
UniRef90_UPI00037C12C5
UniRef90_C9P386
UniRef90_UPI0003A72427
UniRef90_H0E679
UniRef90_E8LS28
UniRef90_UPI0004272C39
UniRef90_A8P8W2
UniRef90_K5W3X6
UniRef90_F2PI29
UniRef90_W1PFQ0
UniRef90_W7I6Z5
UniRef90_A0P7K4
UniRef90_UPI00037CFE34
UniRef90_C1D514
UniRef90_I1I466
UniRef90_E9CCX8
UniRef90_UPI0003A37BBF
UniRef90_Q5KLR3
UniRef90_S9QW59
UniRef90_W1QFS1
UniRef90_D6TWG7
UniRef90_A0A059DPR2
UniRef90_B9WBX6
UniRef90_UPI0003675463
UniRef90_UPI000378D9BF
UniRef90_I9P576
UniRef90_C5M7Q5
UniRef90_Q5H551
UniRef90_W4QP67
UniRef90_D3RYK0
UniRef90_I0LA34
UniRef90_UPI0004789E93
UniRef90_UPI00037626B1
UniRef90_L8WXU8
UniRef90_U5T2M4
UniRef90_W1NBV4
UniRef90_A0K6T0
UniRef90_F7NU42
UniRef90_D2B3H4
UniRef90_G0AIT8
UniRef90_I2FY69
UniRef90_H9UFF3

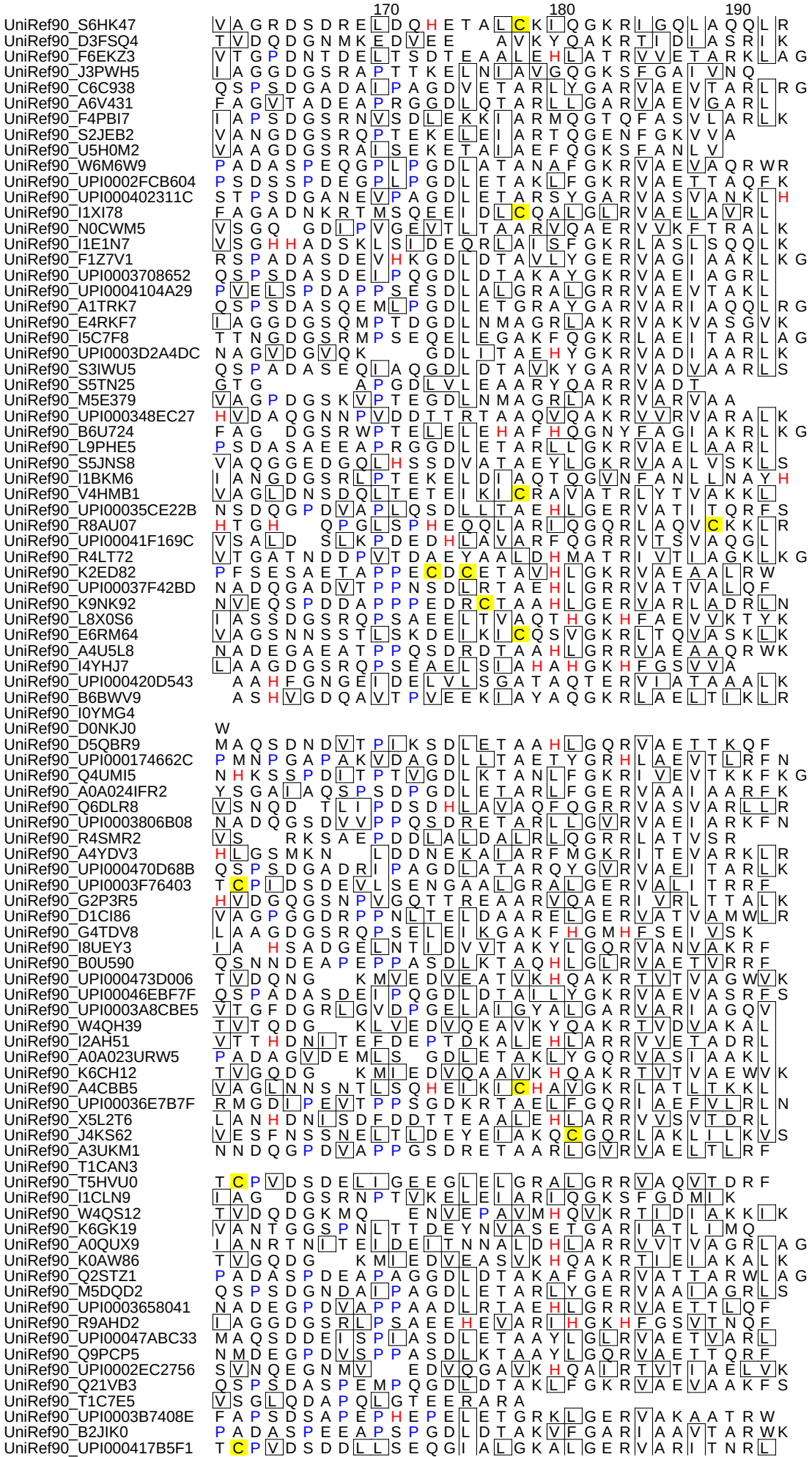

170
180
190
UniRef90_W4KFG4
UniRef90_R1FJJ8
UniRef90_W0DK64
UniRef90_F2REG4
UniRef90_I2JLM4
UniRef90_UPI00047EFC46
UniRef90_J1ERJ9
UniRef90_UPI00047ACA71
UniRef90_I4YQ53
UniRef90_A0A024Q0W8
UniRef90_I2H0I4
UniRef90_I4ZQZ1
UniRef90_K0KHF4
UniRef90_N6Y9U5
UniRef90_U3H4B8
UniRef90_UPI000365DCE1
UniRef90_I2GL45
UniRef90_P30821
UniRef90_V7AHL9
UniRef90_UPI00037E3B57
UniRef90_D8LTD7
UniRef90_G8BPX4
UniRef90_UPI0002F092EE
UniRef90_UPI0002557F1F
UniRef90_C7LXL7
UniRef90_R8AXF5
UniRef90_D0ICH4
UniRef90_W7Q9Y5
UniRef90_A5DYJ4
UniRef90_UPI00042458D8
UniRef90_K2GV81
UniRef90_H8X617
UniRef90_T0KTK8
UniRef90_UPI0003B56C74
UniRef90_Q4P9Q0
UniRef90_G8YBP4
UniRef90_J5JYY9
UniRef90_I3TUU2
UniRef90_X0RLJ3
UniRef90_UPI0004629A25
UniRef90_UPI0003B5D66D
UniRef90_W3XPC3
UniRef90_I1KE62
UniRef90_F5SVR6
UniRef90_UPI000374BABF
UniRef90_H3NXS7
UniRef90_UPI0004409BE3
UniRef90_UPI0003489E1F
UniRef90_UPI0003662C29
UniRef90_V2UUA8
UniRef90_UPI00037C12C5
UniRef90_C9P386
UniRef90_UPI0003A72427
UniRef90_H0E679
UniRef90_E8LS28
UniRef90_UPI0004272C39
UniRef90_A8P8W2
UniRef90_K5W3X6
UniRef90_F2PI29
UniRef90_W1PFQ0
UniRef90_W7I6Z5
UniRef90_A0P7K4
UniRef90_UPI00037CFE34
UniRef90_C1D514
UniRef90_I1I466
UniRef90_E9CCX8
UniRef90_UPI0003A37BBF
UniRef90_Q5KLR3
UniRef90_S9QW59
UniRef90_W1QFS1
UniRef90_D6TWG7
UniRef90_A0A059DPR2
UniRef90_B9WBX6
UniRef90_UPI0003675463
UniRef90_UPI000378D9BF
UniRef90_I9P576
UniRef90_C5M7Q5
UniRef90_Q5H551
UniRef90_W4QP67
UniRef90_D3RYK0
UniRef90_I0LA34
UniRef90_UPI0004789E93
UniRef90_UPI00037626B1
UniRef90_L8WXU8
UniRef90_U5T2M4
UniRef90_W1NBV4
UniRef90_A0K6T0
UniRef90_F7NU42
UniRef90_D2B3H4
UniRef90_G0AIT8
UniRef90_I2FY69
UniRef90_H9UFF3

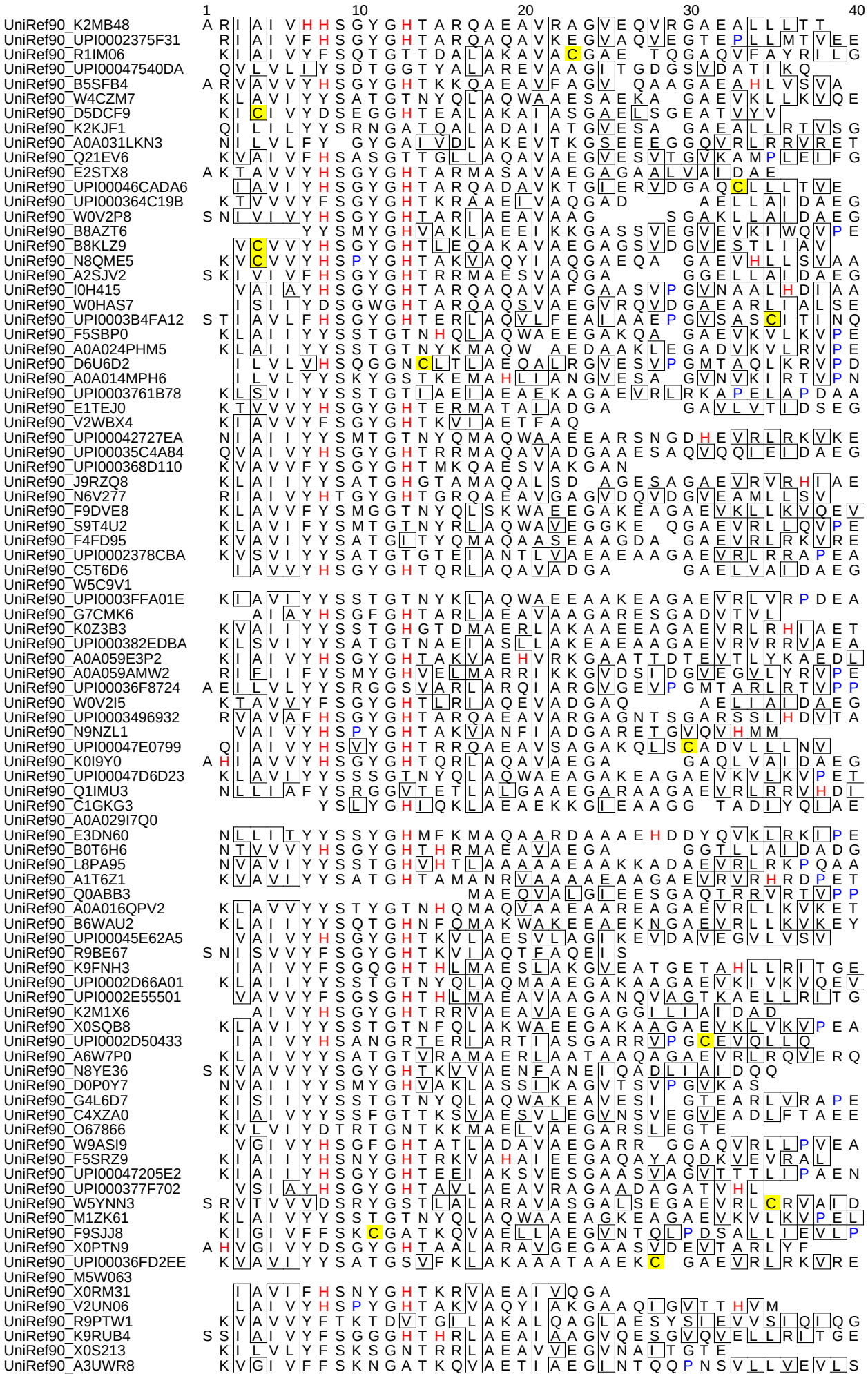

1
10
20
30
40
UniRef90_S6HK47
UniRef90_D3FSQ4
UniRef90_F6EKZ3
UniRef90_J3PWH5
UniRef90_C6C938
UniRef90_A6V431
UniRef90_F4PBI7
UniRef90_S2JEB2
UniRef90_U5H0M2
UniRef90_W6M6W9
UniRef90_UPI0002FCB604
UniRef90_UPI000402311C
UniRef90_I1XI78
UniRef90_N0CWM5
UniRef90_I1E1N7
UniRef90_F1Z7V1
UniRef90_UPI0003708652
UniRef90_UPI0004104A29
UniRef90_A1TRK7
UniRef90_E4RKF7
UniRef90_I5C7F8
UniRef90_UPI0003D2A4DC
UniRef90_S3IWU5
UniRef90_S5TN25
UniRef90_M5E379
UniRef90_UPI000348EC27
UniRef90_B6U724
UniRef90_L9PHE5
UniRef90_S5JNS8
UniRef90_I1BKM6
UniRef90_V4HMB1
UniRef90_UPI00035CE22B
UniRef90_R8AU07
UniRef90_UPI00041F169C
UniRef90_R4LT72
UniRef90_K2ED82
UniRef90_UPI00037F42BD
UniRef90_K9NK92
UniRef90_L8X0S6
UniRef90_E6RM64
UniRef90_A4U5L8
UniRef90_I4YHJ7
UniRef90_UPI000420D543
UniRef90_B6BWV9
UniRef90_I0YMG4
UniRef90_D0NKJ0
UniRef90_D5QBR9
UniRef90_UPI000174662C
UniRef90_Q4UMI5
UniRef90_A0A024IFR2
UniRef90_Q6DLR8
UniRef90_UPI0003806B08
UniRef90_R4SMR2
UniRef90_A4YDV3
UniRef90_UPI000470D68B
UniRef90_UPI0003F76403
UniRef90_G2P3R5
UniRef90_D1CI86
UniRef90_G4TDV8
UniRef90_I8UEY3
UniRef90_B0U590
UniRef90_UPI000473D006
UniRef90_UPI00046EBF7F
UniRef90_UPI0003A8CBE5
UniRef90_W4QH39
UniRef90_I2AH51
UniRef90_A0A023URW5
UniRef90_K6CH12
UniRef90_A4CBB5
UniRef90_UPI00036E7B7F
UniRef90_X5L2T6
UniRef90_J4KS62
UniRef90_A3UKM1
UniRef90_T1CAN3
UniRef90_T5HVU0
UniRef90_I1CLN9
UniRef90_W4QS12
UniRef90_K6GK19
UniRef90_A0QUX9
UniRef90_K0AW86
UniRef90_Q2STZ1
UniRef90_M5DQD2
UniRef90_UPI0003658041
UniRef90_R9AHD2
UniRef90_UPI00047ABC33
UniRef90_Q9PCP5
UniRef90_UPI0002EC2756
UniRef90_Q21VB3
UniRef90_T1C7E5
UniRef90_UPI0003B7408E
UniRef90_B2JIK0
UniRef90_UPI000417B5F1

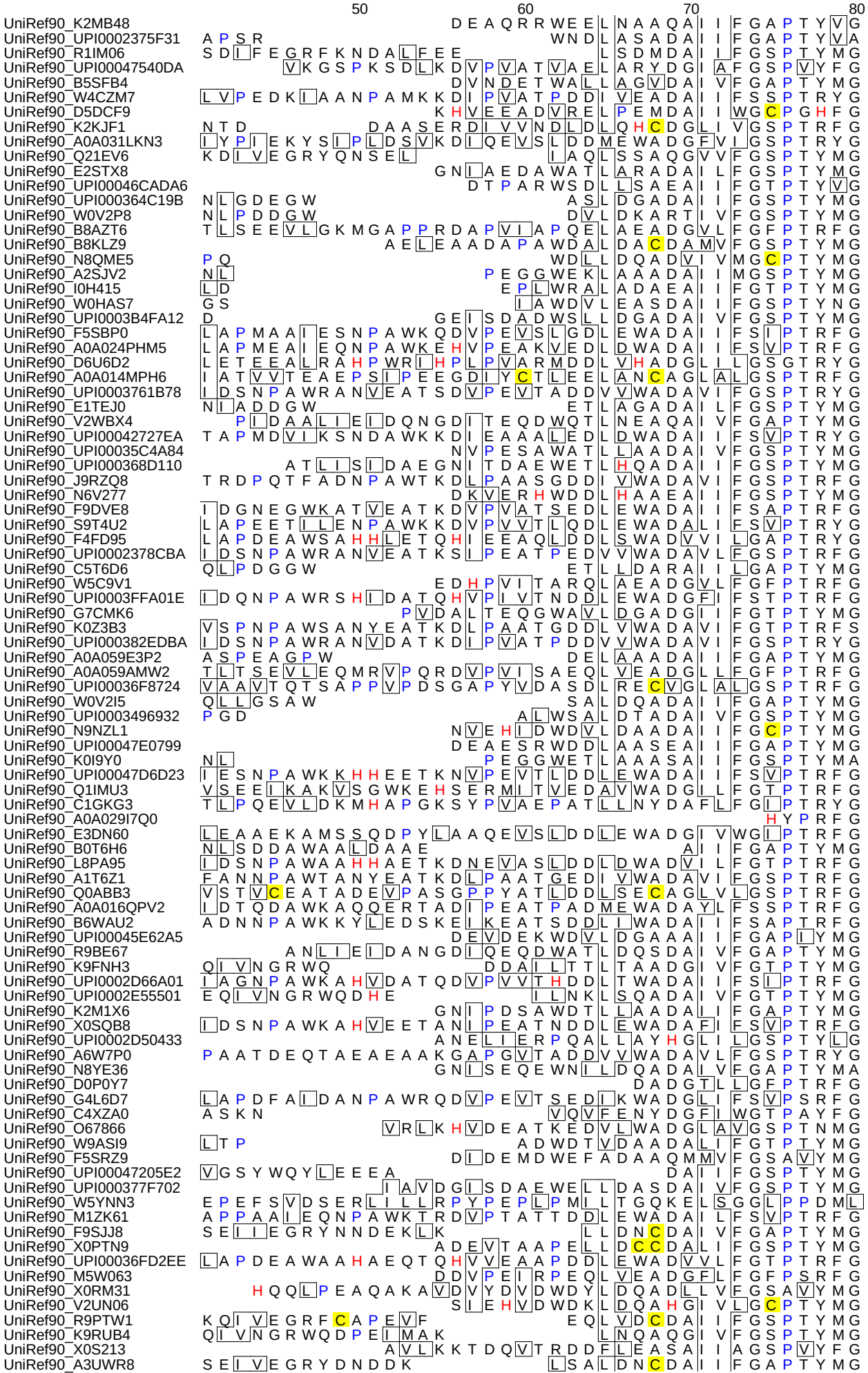

50
60
70
80
UniRef90_S6HK47
UniRef90_D3FSQ4
UniRef90_F6EKZ3
UniRef90_J3PWH5
UniRef90_C6C938
UniRef90_A6V431
UniRef90_F4PBI7
UniRef90_S2JEB2
UniRef90_U5H0M2
UniRef90_W6M6W9
UniRef90_UPI0002FCB604
UniRef90_UPI000402311C
UniRef90_I1XI78
UniRef90_N0CWM5
UniRef90_I1E1N7
UniRef90_F1Z7V1
UniRef90_UPI0003708652
UniRef90_UPI0004104A29
UniRef90_A1TRK7
UniRef90_E4RKF7
UniRef90_I5C7F8
UniRef90_UPI0003D2A4DC
UniRef90_S3IWU5
UniRef90_S5TN25
UniRef90_M5E379
UniRef90_UPI000348EC27
UniRef90_B6U724
UniRef90_L9PHE5
UniRef90_S5JNS8
UniRef90_I1BKM6
UniRef90_V4HMB1
UniRef90_UPI00035CE22B
UniRef90_R8AU07
UniRef90_UPI00041F169C
UniRef90_R4LT72
UniRef90_K2ED82
UniRef90_UPI00037F42BD
UniRef90_K9NK92
UniRef90_L8X0S6
UniRef90_E6RM64
UniRef90_A4U5L8
UniRef90_I4YHJ7
UniRef90_UPI000420D543
UniRef90_B6BWV9
UniRef90_I0YMG4
UniRef90_D0NKJ0
UniRef90_D5QBR9
UniRef90_UPI000174662C
UniRef90_Q4UMI5
UniRef90_A0A024IFR2
UniRef90_Q6DLR8
UniRef90_UPI0003806B08
UniRef90_R4SMR2
UniRef90_A4YDV3
UniRef90_UPI000470D68B
UniRef90_UPI0003F76403
UniRef90_G2P3R5
UniRef90_D1CI86
UniRef90_G4TDV8
UniRef90_I8UEY3
UniRef90_B0U590
UniRef90_UPI000473D006
UniRef90_UPI00046EBF7F
UniRef90_UPI0003A8CBE5
UniRef90_W4QH39
UniRef90_I2AH51
UniRef90_A0A023URW5
UniRef90_K6CH12
UniRef90_A4CBB5
UniRef90_UPI00036E7B7F
UniRef90_X5L2T6
UniRef90_J4KS62
UniRef90_A3UKM1
UniRef90_T1CAN3
UniRef90_T5HVU0
UniRef90_I1CLN9
UniRef90_W4QS12
UniRef90_K6GK19
UniRef90_A0QUX9
UniRef90_K0AW86
UniRef90_Q2STZ1
UniRef90_M5DQD2
UniRef90_UPI0003658041
UniRef90_R9AHD2
UniRef90_UPI00047ABC33
UniRef90_Q9PCP5
UniRef90_UPI0002EC2756
UniRef90_Q21VB3
UniRef90_T1C7E5
UniRef90_UPI0003B7408E
UniRef90_B2JIK0
UniRef90_UPI000417B5F1

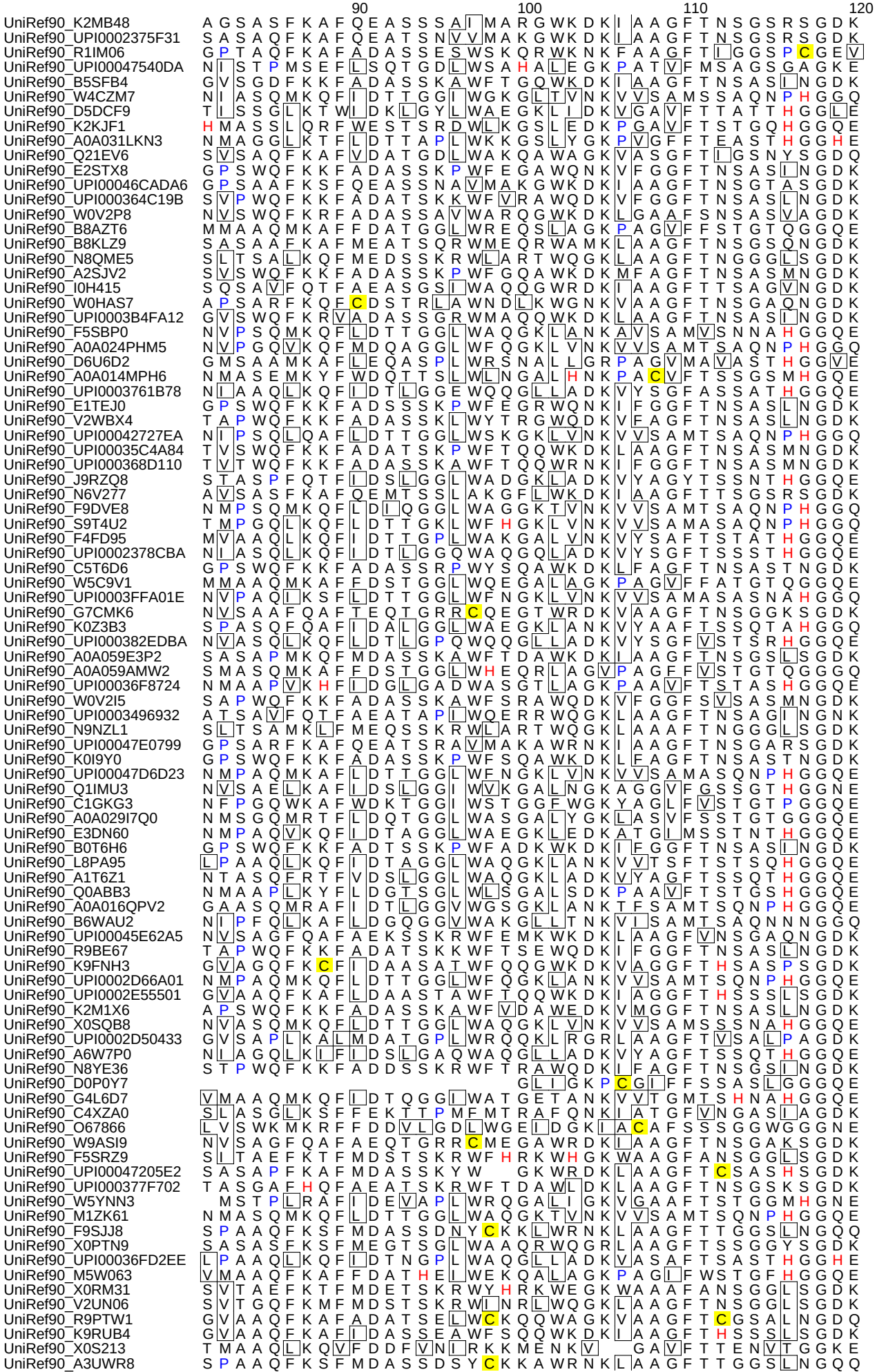

90
100
110
120
UniRef90_S6HK47
UniRef90_D3FSQ4
UniRef90_F6EKZ3
UniRef90_J3PWH5
UniRef90_C6C938
UniRef90_A6V431
UniRef90_F4PBI7
UniRef90_S2JEB2
UniRef90_U5H0M2
UniRef90_W6M6W9
UniRef90_UPI0002FCB604
UniRef90_UPI000402311C
UniRef90_I1XI78
UniRef90_N0CWM5
UniRef90_I1E1N7
UniRef90_F1Z7V1
UniRef90_UPI0003708652
UniRef90_UPI0004104A29
UniRef90_A1TRK7
UniRef90_E4RKF7
UniRef90_I5C7F8
UniRef90_UPI0003D2A4DC
UniRef90_S3IWU5
UniRef90_S5TN25
UniRef90_M5E379
UniRef90_UPI000348EC27
UniRef90_B6U724
UniRef90_L9PHE5
UniRef90_S5JNS8
UniRef90_I1BKM6
UniRef90_V4HMB1
UniRef90_UPI00035CE22B
UniRef90_R8AU07
UniRef90_UPI00041F169C
UniRef90_R4LT72
UniRef90_K2ED82
UniRef90_UPI00037F42BD
UniRef90_K9NK92
UniRef90_L8X0S6
UniRef90_E6RM64
UniRef90_A4U5L8
UniRef90_I4YHJ7
UniRef90_UPI000420D543
UniRef90_B6BWV9
UniRef90_I0YMG4
UniRef90_D0NKJ0
UniRef90_D5QBR9
UniRef90_UPI000174662C
UniRef90_Q4UMI5
UniRef90_A0A024IFR2
UniRef90_Q6DLR8
UniRef90_UPI0003806B08
UniRef90_R4SMR2
UniRef90_A4YDV3
UniRef90_UPI000470D68B
UniRef90_UPI0003F76403
UniRef90_G2P3R5
UniRef90_D1CI86
UniRef90_G4TDV8
UniRef90_I8UEY3
UniRef90_B0U590
UniRef90_UPI000473D006
UniRef90_UPI00046EBF7F
UniRef90_UPI0003A8CBE5
UniRef90_W4QH39
UniRef90_I2AH51
UniRef90_A0A023URW5
UniRef90_K6CH12
UniRef90_A4CBB5
UniRef90_UPI00036E7B7F
UniRef90_X5L2T6
UniRef90_J4KS62
UniRef90_A3UKM1
UniRef90_T1CAN3
UniRef90_T5HVU0
UniRef90_I1CLN9
UniRef90_W4QS12
UniRef90_K6GK19
UniRef90_A0QUX9
UniRef90_K0AW86
UniRef90_Q2STZ1
UniRef90_M5DQD2
UniRef90_UPI0003658041
UniRef90_R9AHD2
UniRef90_UPI00047ABC33
UniRef90_Q9PCP5
UniRef90_UPI0002EC2756
UniRef90_Q21VB3
UniRef90_T1C7E5
UniRef90_UPI0003B7408E
UniRef90_B2JIK0
UniRef90_UPI000417B5F1

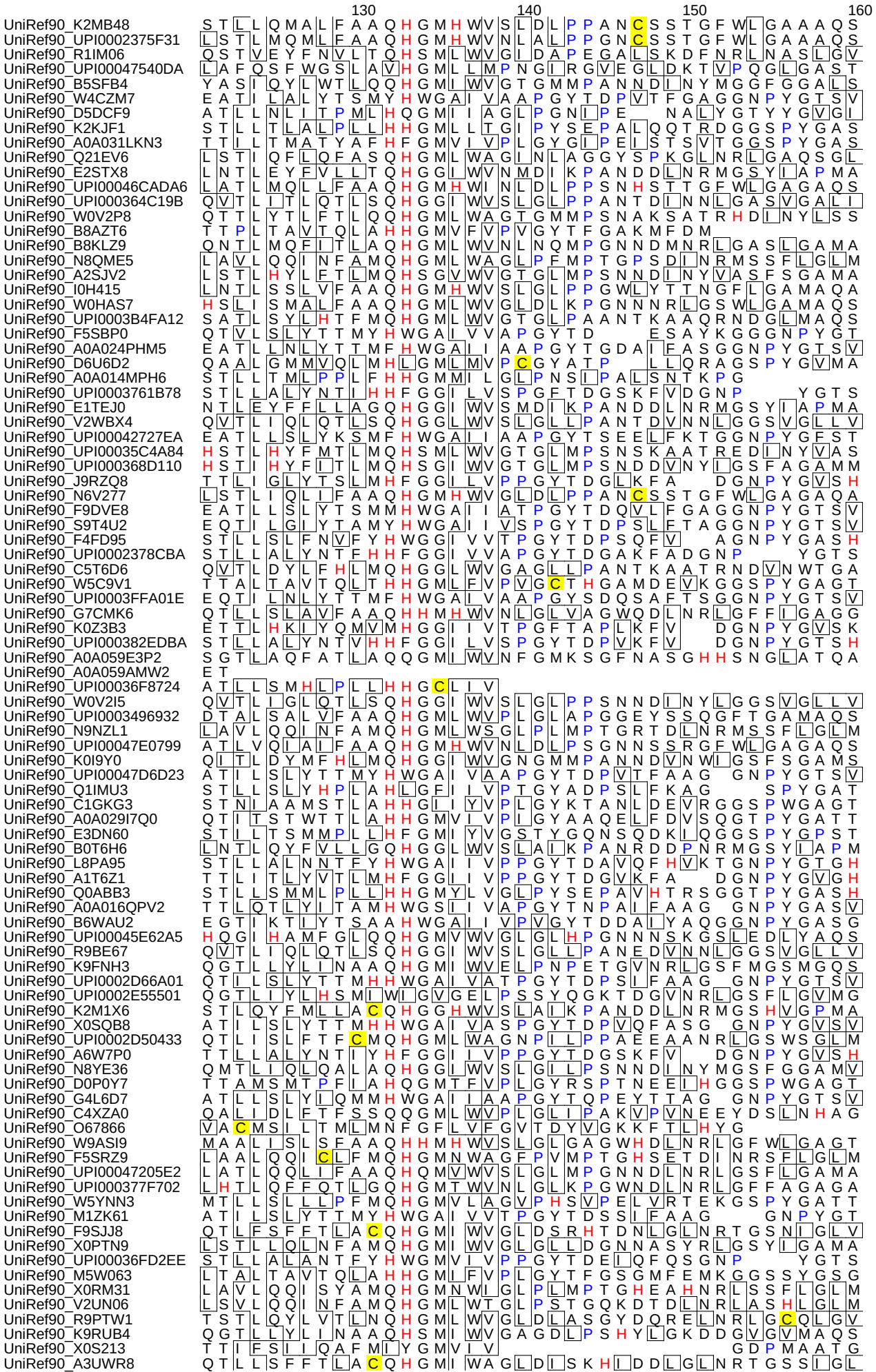

130
140
150
160
UniRef90_S6HK47
UniRef90_D3FSQ4
UniRef90_F6EKZ3
UniRef90_J3PWH5
UniRef90_C6C938
UniRef90_A6V431
UniRef90_F4PBI7
UniRef90_S2JEB2
UniRef90_U5H0M2
UniRef90_W6M6W9
UniRef90_UPI0002FCB604
UniRef90_UPI000402311C
UniRef90_I1XI78
UniRef90_N0CWM5
UniRef90_I1E1N7
UniRef90_F1Z7V1
UniRef90_UPI0003708652
UniRef90_UPI0004104A29
UniRef90_A1TRK7
UniRef90_E4RKF7
UniRef90_I5C7F8
UniRef90_UPI0003D2A4DC
UniRef90_S3IWU5
UniRef90_S5TN25
UniRef90_M5E379
UniRef90_UPI000348EC27
UniRef90_B6U724
UniRef90_L9PHE5
UniRef90_S5JNS8
UniRef90_I1BKM6
UniRef90_V4HMB1
UniRef90_UPI00035CE22B
UniRef90_R8AU07
UniRef90_UPI00041F169C
UniRef90_R4LT72
UniRef90_K2ED82
UniRef90_UPI00037F42BD
UniRef90_K9NK92
UniRef90_L8X0S6
UniRef90_E6RM64
UniRef90_A4U5L8
UniRef90_I4YHJ7
UniRef90_UPI000420D543
UniRef90_B6BWV9
UniRef90_I0YMG4
UniRef90_D0NKJ0
UniRef90_D5QBR9
UniRef90_UPI000174662C
UniRef90_Q4UMI5
UniRef90_A0A024IFR2
UniRef90_Q6DLR8
UniRef90_UPI0003806B08
UniRef90_R4SMR2
UniRef90_A4YDV3
UniRef90_UPI000470D68B
UniRef90_UPI0003F76403
UniRef90_G2P3R5
UniRef90_D1CI86
UniRef90_G4TDV8
UniRef90_I8UEY3
UniRef90_B0U590
UniRef90_UPI000473D006
UniRef90_UPI00046EBF7F
UniRef90_UPI0003A8CBE5
UniRef90_W4QH39
UniRef90_I2AH51
UniRef90_A0A023URW5
UniRef90_K6CH12
UniRef90_A4CBB5
UniRef90_UPI00036E7B7F
UniRef90_X5L2T6
UniRef90_J4KS62
UniRef90_A3UKM1
UniRef90_T1CAN3
UniRef90_T5HVU0
UniRef90_I1CLN9
UniRef90_W4QS12
UniRef90_K6GK19
UniRef90_A0QUX9
UniRef90_K0AW86
UniRef90_Q2STZ1
UniRef90_M5DQD2
UniRef90_UPI0003658041
UniRef90_R9AHD2
UniRef90_UPI00047ABC33
UniRef90_Q9PCP5
UniRef90_UPI0002EC2756
UniRef90_Q21VB3
UniRef90_T1C7E5
UniRef90_UPI0003B7408E
UniRef90_B2JIK0
UniRef90_UPI000417B5F1

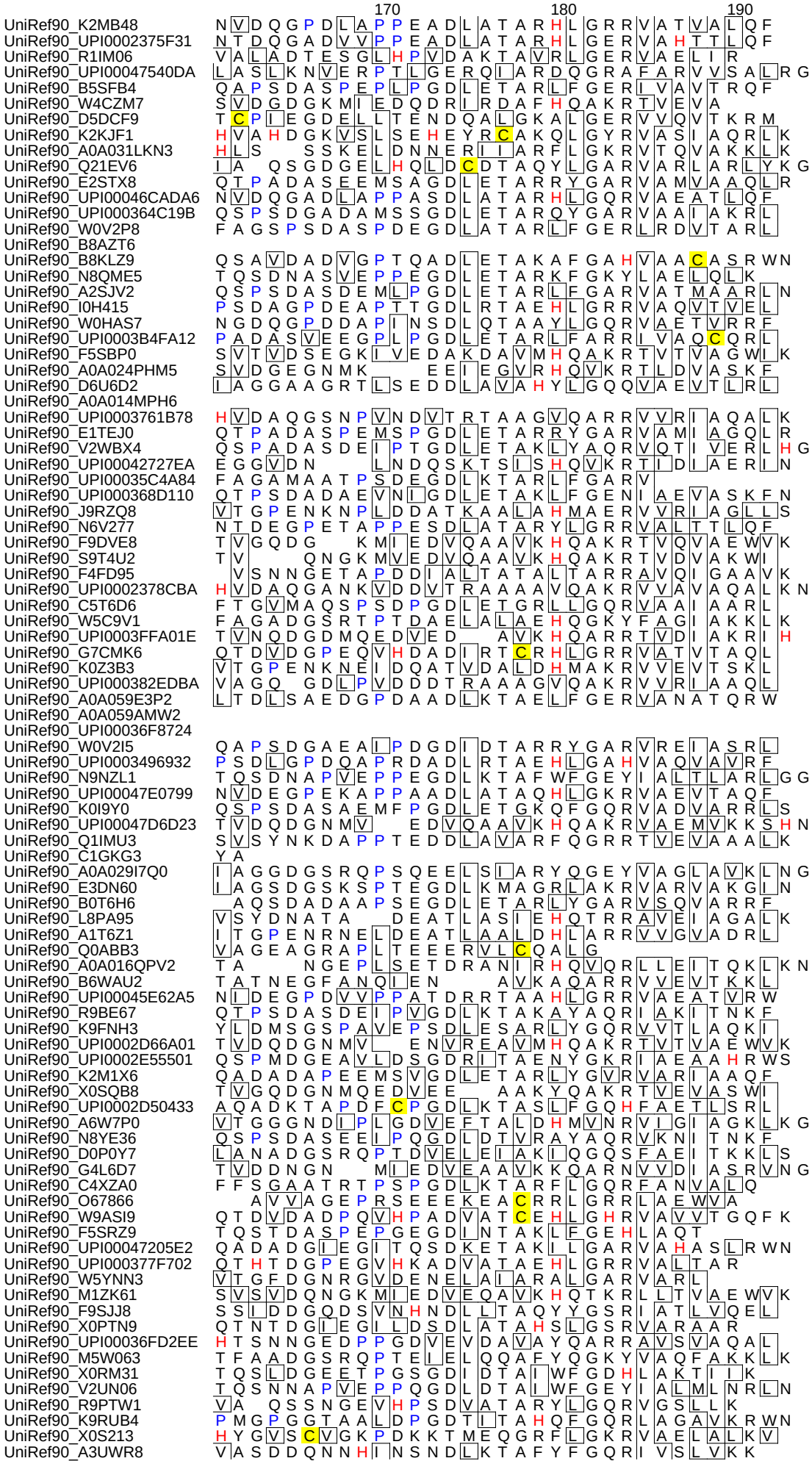

170
180
190
UniRef90_S6HK47
UniRef90_D3FSQ4
UniRef90_F6EKZ3
UniRef90_J3PWH5
UniRef90_C6C938
UniRef90_A6V431
UniRef90_F4PBI7
UniRef90_S2JEB2
UniRef90_U5H0M2
UniRef90_W6M6W9
UniRef90_UPI0002FCB604
UniRef90_UPI000402311C
UniRef90_I1XI78
UniRef90_N0CWM5
UniRef90_I1E1N7
UniRef90_F1Z7V1
UniRef90_UPI0003708652
UniRef90_UPI0004104A29
UniRef90_A1TRK7
UniRef90_E4RKF7
UniRef90_I5C7F8
UniRef90_UPI0003D2A4DC
UniRef90_S3IWU5
UniRef90_S5TN25
UniRef90_M5E379
UniRef90_UPI000348EC27
UniRef90_B6U724
UniRef90_L9PHE5
UniRef90_S5JNS8
UniRef90_I1BKM6
UniRef90_V4HMB1
UniRef90_UPI00035CE22B
UniRef90_R8AU07
UniRef90_UPI00041F169C
UniRef90_R4LT72
UniRef90_K2ED82
UniRef90_UPI00037F42BD
UniRef90_K9NK92
UniRef90_L8X0S6
UniRef90_E6RM64
UniRef90_A4U5L8
UniRef90_I4YHJ7
UniRef90_UPI000420D543
UniRef90_B6BWV9
UniRef90_I0YMG4
UniRef90_D0NKJ0
UniRef90_D5QBR9
UniRef90_UPI000174662C
UniRef90_Q4UMI5
UniRef90_A0A024IFR2
UniRef90_Q6DLR8
UniRef90_UPI0003806B08
UniRef90_R4SMR2
UniRef90_A4YDV3
UniRef90_UPI000470D68B
UniRef90_UPI0003F76403
UniRef90_G2P3R5
UniRef90_D1CI86
UniRef90_G4TDV8
UniRef90_I8UEY3
UniRef90_B0U590
UniRef90_UPI000473D006
UniRef90_UPI00046EBF7F
UniRef90_UPI0003A8CBE5
UniRef90_W4QH39
UniRef90_I2AH51
UniRef90_A0A023URW5
UniRef90_K6CH12
UniRef90_A4CBB5
UniRef90_UPI00036E7B7F
UniRef90_X5L2T6
UniRef90_J4KS62
UniRef90_A3UKM1
UniRef90_T1CAN3
UniRef90_T5HVU0
UniRef90_I1CLN9
UniRef90_W4QS12
UniRef90_K6GK19
UniRef90_A0QUX9
UniRef90_K0AW86
UniRef90_Q2STZ1
UniRef90_M5DQD2
UniRef90_UPI0003658041
UniRef90_R9AHD2
UniRef90_UPI00047ABC33
UniRef90_Q9PCP5
UniRef90_UPI0002EC2756
UniRef90_Q21VB3
UniRef90_T1C7E5
UniRef90_UPI0003B7408E
UniRef90_B2JIK0
UniRef90_UPI000417B5F1

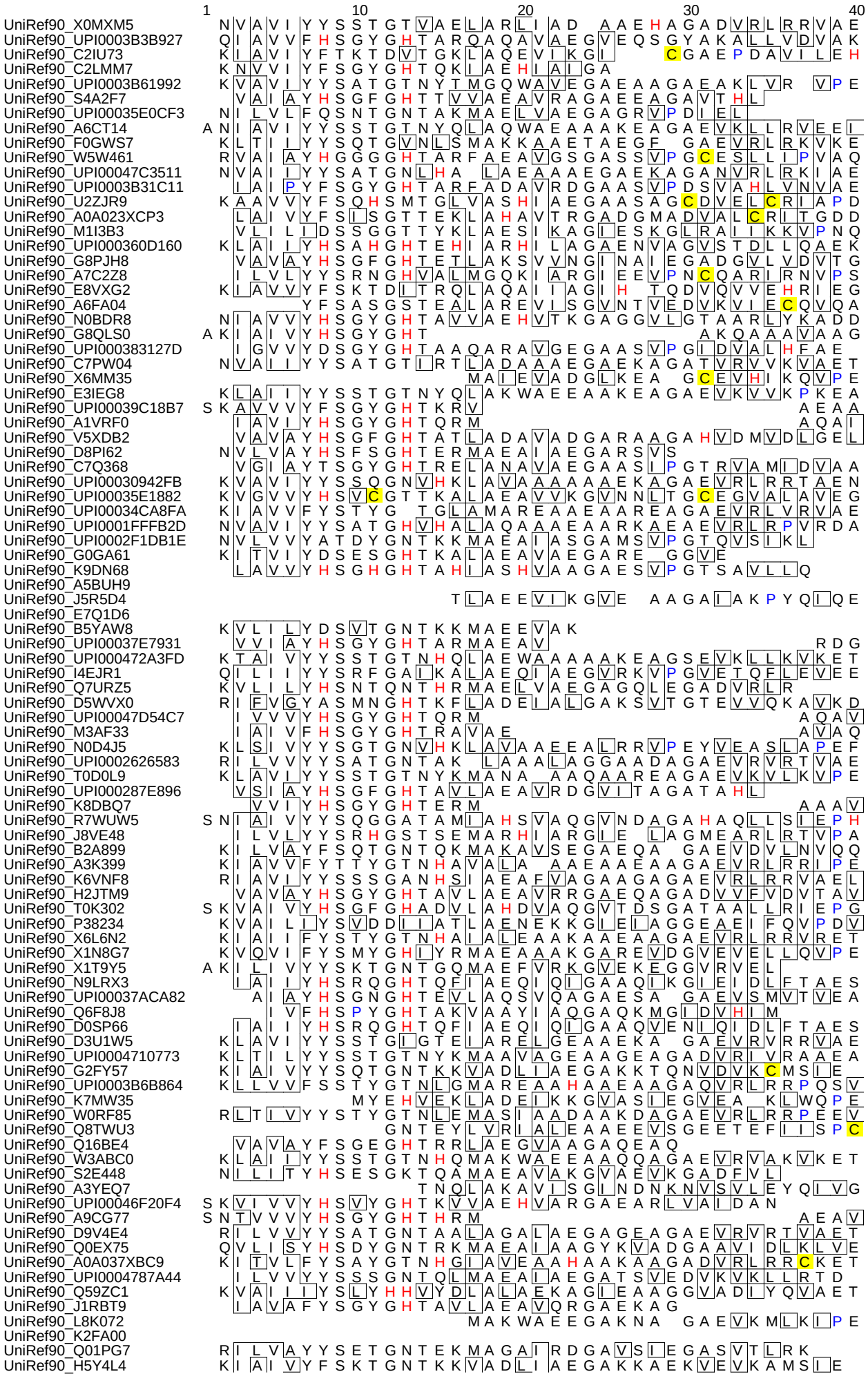

1
10
20
30
40
UniRef90_K2MB48
UniRef90_UPI0002375F31
UniRef90_R1IM06
UniRef90_UPI00047540DA
UniRef90_B5SFB4
UniRef90_W4CZM7
UniRef90_D5DCF9
UniRef90_K2KJF1
UniRef90_A0A031LKN3
UniRef90_Q21EV6
UniRef90_E2STX8
UniRef90_UPI00046CADA6
UniRef90_UPI000364C19B
UniRef90_W0V2P8
UniRef90_B8AZT6
UniRef90_B8KLZ9
UniRef90_N8QME5
UniRef90_A2SJV2
UniRef90_I0H415
UniRef90_W0HAS7
UniRef90_UPI0003B4FA12
UniRef90_F5SBP0
UniRef90_A0A024PHM5
UniRef90_D6U6D2
UniRef90_A0A014MPH6
UniRef90_UPI0003761B78
UniRef90_E1TEJ0
UniRef90_V2WBX4
UniRef90_UPI00042727EA
UniRef90_UPI00035C4A84
UniRef90_UPI000368D110
UniRef90_J9RZQ8
UniRef90_N6V277
UniRef90_F9DVE8
UniRef90_S9T4U2
UniRef90_F4FD95
UniRef90_UPI0002378CBA
UniRef90_C5T6D6
UniRef90_W5C9V1
UniRef90_UPI0003FFA01E
UniRef90_G7CMK6
UniRef90_K0Z3B3
UniRef90_UPI000382EDBA
UniRef90_A0A059E3P2
UniRef90_A0A059AMW2
UniRef90_UPI00036F8724
UniRef90_W0V2I5
UniRef90_UPI0003496932
UniRef90_N9NZL1
UniRef90_UPI00047E0799
UniRef90_K0I9Y0
UniRef90_UPI00047D6D23
UniRef90_Q1IMU3
UniRef90_C1GKG3
UniRef90_A0A029I7Q0
UniRef90_E3DN60
UniRef90_B0T6H6
UniRef90_L8PA95
UniRef90_A1T6Z1
UniRef90_Q0ABB3
UniRef90_A0A016QPV2
UniRef90_B6WAU2
UniRef90_UPI00045E62A5
UniRef90_R9BE67
UniRef90_K9FNH3
UniRef90_UPI0002D66A01
UniRef90_UPI0002E55501
UniRef90_K2M1X6
UniRef90_X0SQB8
UniRef90_UPI0002D50433
UniRef90_A6W7P0
UniRef90_N8YE36
UniRef90_D0P0Y7
UniRef90_G4L6D7
UniRef90_C4XZA0
UniRef90_O67866
UniRef90_W9ASI9
UniRef90_F5SRZ9
UniRef90_UPI00047205E2
UniRef90_UPI000377F702
UniRef90_W5YNN3
UniRef90_M1ZK61
UniRef90_F9SJJ8
UniRef90_X0PTN9
UniRef90_UPI00036FD2EE
UniRef90_M5W063
UniRef90_X0RM31
UniRef90_V2UN06
UniRef90_R9PTW1
UniRef90_K9RUB4
UniRef90_X0S213
UniRef90_A3UWR8

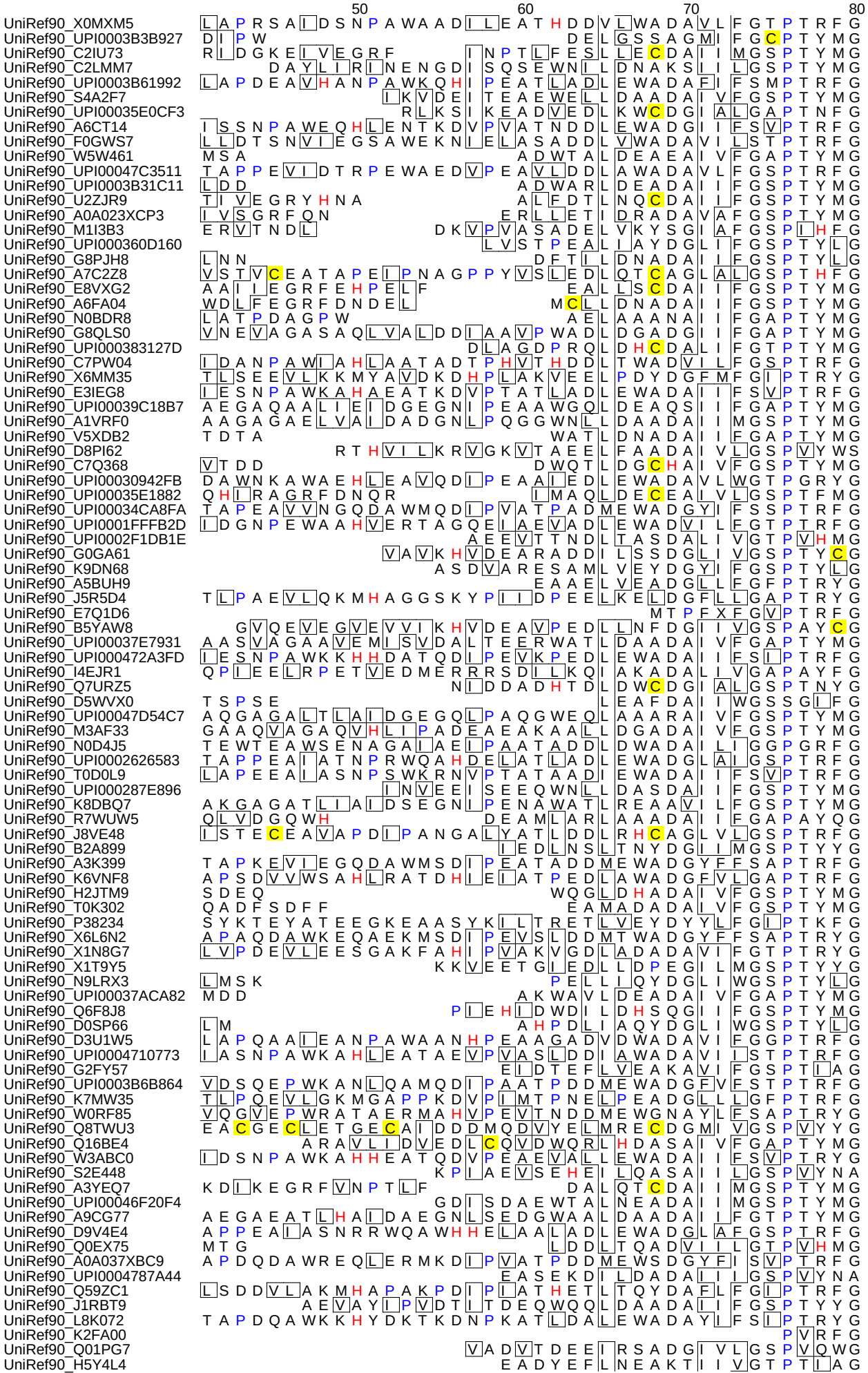

50
60
70
80
UniRef90_K2MB48
UniRef90_UPI0002375F31
UniRef90_R1IM06
UniRef90_UPI00047540DA
UniRef90_B5SFB4
UniRef90_W4CZM7
UniRef90_D5DCF9
UniRef90_K2KJF1
UniRef90_A0A031LKN3
UniRef90_Q21EV6
UniRef90_E2STX8
UniRef90_UPI00046CADA6
UniRef90_UPI000364C19B
UniRef90_W0V2P8
UniRef90_B8AZT6
UniRef90_B8KLZ9
UniRef90_N8QME5
UniRef90_A2SJV2
UniRef90_I0H415
UniRef90_W0HAS7
UniRef90_UPI0003B4FA12
UniRef90_F5SBP0
UniRef90_A0A024PHM5
UniRef90_D6U6D2
UniRef90_A0A014MPH6
UniRef90_UPI0003761B78
UniRef90_E1TEJ0
UniRef90_V2WBX4
UniRef90_UPI00042727EA
UniRef90_UPI00035C4A84
UniRef90_UPI000368D110
UniRef90_J9RZQ8
UniRef90_N6V277
UniRef90_F9DVE8
UniRef90_S9T4U2
UniRef90_F4FD95
UniRef90_UPI0002378CBA
UniRef90_C5T6D6
UniRef90_W5C9V1
UniRef90_UPI0003FFA01E
UniRef90_G7CMK6
UniRef90_K0Z3B3
UniRef90_UPI000382EDBA
UniRef90_A0A059E3P2
UniRef90_A0A059AMW2
UniRef90_UPI00036F8724
UniRef90_W0V2I5
UniRef90_UPI0003496932
UniRef90_N9NZL1
UniRef90_UPI00047E0799
UniRef90_K0I9Y0
UniRef90_UPI00047D6D23
UniRef90_Q1IMU3
UniRef90_C1GKG3
UniRef90_A0A029I7Q0
UniRef90_E3DN60
UniRef90_B0T6H6
UniRef90_L8PA95
UniRef90_A1T6Z1
UniRef90_Q0ABB3
UniRef90_A0A016QPV2
UniRef90_B6WAU2
UniRef90_UPI00045E62A5
UniRef90_R9BE67
UniRef90_K9FNH3
UniRef90_UPI0002D66A01
UniRef90_UPI0002E55501
UniRef90_K2M1X6
UniRef90_X0SQB8
UniRef90_UPI0002D50433
UniRef90_A6W7P0
UniRef90_N8YE36
UniRef90_D0P0Y7
UniRef90_G4L6D7
UniRef90_C4XZA0
UniRef90_O67866
UniRef90_W9ASI9
UniRef90_F5SRZ9
UniRef90_UPI00047205E2
UniRef90_UPI000377F702
UniRef90_W5YNN3
UniRef90_M1ZK61
UniRef90_F9SJJ8
UniRef90_X0PTN9
UniRef90_UPI00036FD2EE
UniRef90_M5W063
UniRef90_X0RM31
UniRef90_V2UN06
UniRef90_R9PTW1
UniRef90_K9RUB4
UniRef90_X0S213
UniRef90_A3UWR8

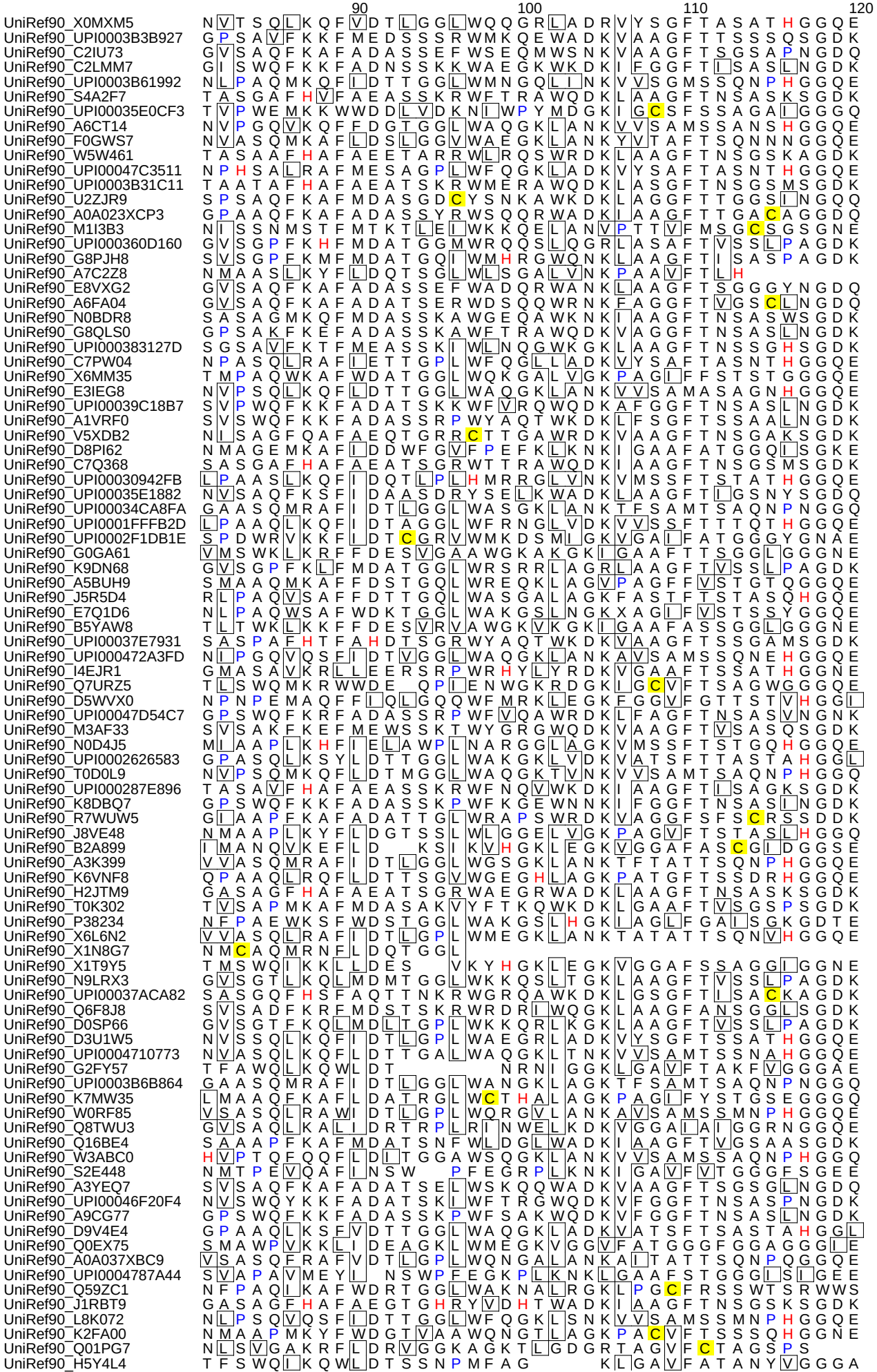

90
100
110
120
UniRef90_K2MB48
UniRef90_UPI0002375F31
UniRef90_R1IM06
UniRef90_UPI00047540DA
UniRef90_B5SFB4
UniRef90_W4CZM7
UniRef90_D5DCF9
UniRef90_K2KJF1
UniRef90_A0A031LKN3
UniRef90_Q21EV6
UniRef90_E2STX8
UniRef90_UPI00046CADA6
UniRef90_UPI000364C19B
UniRef90_W0V2P8
UniRef90_B8AZT6
UniRef90_B8KLZ9
UniRef90_N8QME5
UniRef90_A2SJV2
UniRef90_I0H415
UniRef90_W0HAS7
UniRef90_UPI0003B4FA12
UniRef90_F5SBP0
UniRef90_A0A024PHM5
UniRef90_D6U6D2
UniRef90_A0A014MPH6
UniRef90_UPI0003761B78
UniRef90_E1TEJ0
UniRef90_V2WBX4
UniRef90_UPI00042727EA
UniRef90_UPI00035C4A84
UniRef90_UPI000368D110
UniRef90_J9RZQ8
UniRef90_N6V277
UniRef90_F9DVE8
UniRef90_S9T4U2
UniRef90_F4FD95
UniRef90_UPI0002378CBA
UniRef90_C5T6D6
UniRef90_W5C9V1
UniRef90_UPI0003FFA01E
UniRef90_G7CMK6
UniRef90_K0Z3B3
UniRef90_UPI000382EDBA
UniRef90_A0A059E3P2
UniRef90_A0A059AMW2
UniRef90_UPI00036F8724
UniRef90_W0V2I5
UniRef90_UPI0003496932
UniRef90_N9NZL1
UniRef90_UPI00047E0799
UniRef90_K0I9Y0
UniRef90_UPI00047D6D23
UniRef90_Q1IMU3
UniRef90_C1GKG3
UniRef90_A0A029I7Q0
UniRef90_E3DN60
UniRef90_B0T6H6
UniRef90_L8PA95
UniRef90_A1T6Z1
UniRef90_Q0ABB3
UniRef90_A0A016QPV2
UniRef90_B6WAU2
UniRef90_UPI00045E62A5
UniRef90_R9BE67
UniRef90_K9FNH3
UniRef90_UPI0002D66A01
UniRef90_UPI0002E55501
UniRef90_K2M1X6
UniRef90_X0SQB8
UniRef90_UPI0002D50433
UniRef90_A6W7P0
UniRef90_N8YE36
UniRef90_D0P0Y7
UniRef90_G4L6D7
UniRef90_C4XZA0
UniRef90_O67866
UniRef90_W9ASI9
UniRef90_F5SRZ9
UniRef90_UPI00047205E2
UniRef90_UPI000377F702
UniRef90_W5YNN3
UniRef90_M1ZK61
UniRef90_F9SJJ8
UniRef90_X0PTN9
UniRef90_UPI00036FD2EE
UniRef90_M5W063
UniRef90_X0RM31
UniRef90_V2UN06
UniRef90_R9PTW1
UniRef90_K9RUB4
UniRef90_X0S213
UniRef90_A3UWR8

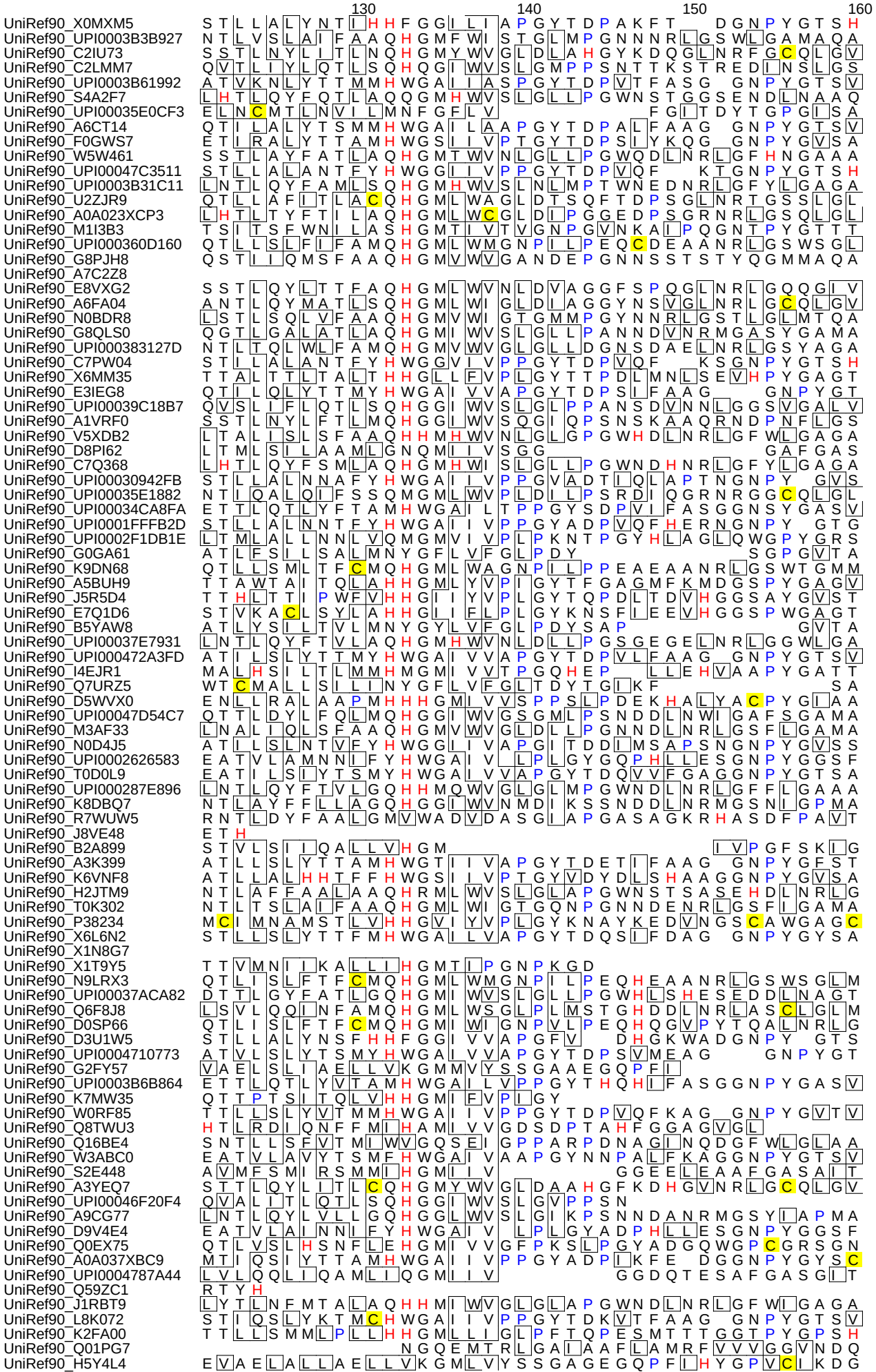

130
140
150
160
UniRef90_K2MB48
UniRef90_UPI0002375F31
UniRef90_R1IM06
UniRef90_UPI00047540DA
UniRef90_B5SFB4
UniRef90_W4CZM7
UniRef90_D5DCF9
UniRef90_K2KJF1
UniRef90_A0A031LKN3
UniRef90_Q21EV6
UniRef90_E2STX8
UniRef90_UPI00046CADA6
UniRef90_UPI000364C19B
UniRef90_W0V2P8
UniRef90_B8AZT6
UniRef90_B8KLZ9
UniRef90_N8QME5
UniRef90_A2SJV2
UniRef90_I0H415
UniRef90_W0HAS7
UniRef90_UPI0003B4FA12
UniRef90_F5SBP0
UniRef90_A0A024PHM5
UniRef90_D6U6D2
UniRef90_A0A014MPH6
UniRef90_UPI0003761B78
UniRef90_E1TEJ0
UniRef90_V2WBX4
UniRef90_UPI00042727EA
UniRef90_UPI00035C4A84
UniRef90_UPI000368D110
UniRef90_J9RZQ8
UniRef90_N6V277
UniRef90_F9DVE8
UniRef90_S9T4U2
UniRef90_F4FD95
UniRef90_UPI0002378CBA
UniRef90_C5T6D6
UniRef90_W5C9V1
UniRef90_UPI0003FFA01E
UniRef90_G7CMK6
UniRef90_K0Z3B3
UniRef90_UPI000382EDBA
UniRef90_A0A059E3P2
UniRef90_A0A059AMW2
UniRef90_UPI00036F8724
UniRef90_W0V2I5
UniRef90_UPI0003496932
UniRef90_N9NZL1
UniRef90_UPI00047E0799
UniRef90_K0I9Y0
UniRef90_UPI00047D6D23
UniRef90_Q1IMU3
UniRef90_C1GKG3
UniRef90_A0A029I7Q0
UniRef90_E3DN60
UniRef90_B0T6H6
UniRef90_L8PA95
UniRef90_A1T6Z1
UniRef90_Q0ABB3
UniRef90_A0A016QPV2
UniRef90_B6WAU2
UniRef90_UPI00045E62A5
UniRef90_R9BE67
UniRef90_K9FNH3
UniRef90_UPI0002D66A01
UniRef90_UPI0002E55501
UniRef90_K2M1X6
UniRef90_X0SQB8
UniRef90_UPI0002D50433
UniRef90_A6W7P0
UniRef90_N8YE36
UniRef90_D0P0Y7
UniRef90_G4L6D7
UniRef90_C4XZA0
UniRef90_O67866
UniRef90_W9ASI9
UniRef90_F5SRZ9
UniRef90_UPI00047205E2
UniRef90_UPI000377F702
UniRef90_W5YNN3
UniRef90_M1ZK61
UniRef90_F9SJJ8
UniRef90_X0PTN9
UniRef90_UPI00036FD2EE
UniRef90_M5W063
UniRef90_X0RM31
UniRef90_V2UN06
UniRef90_R9PTW1
UniRef90_K9RUB4
UniRef90_X0S213
UniRef90_A3UWR8

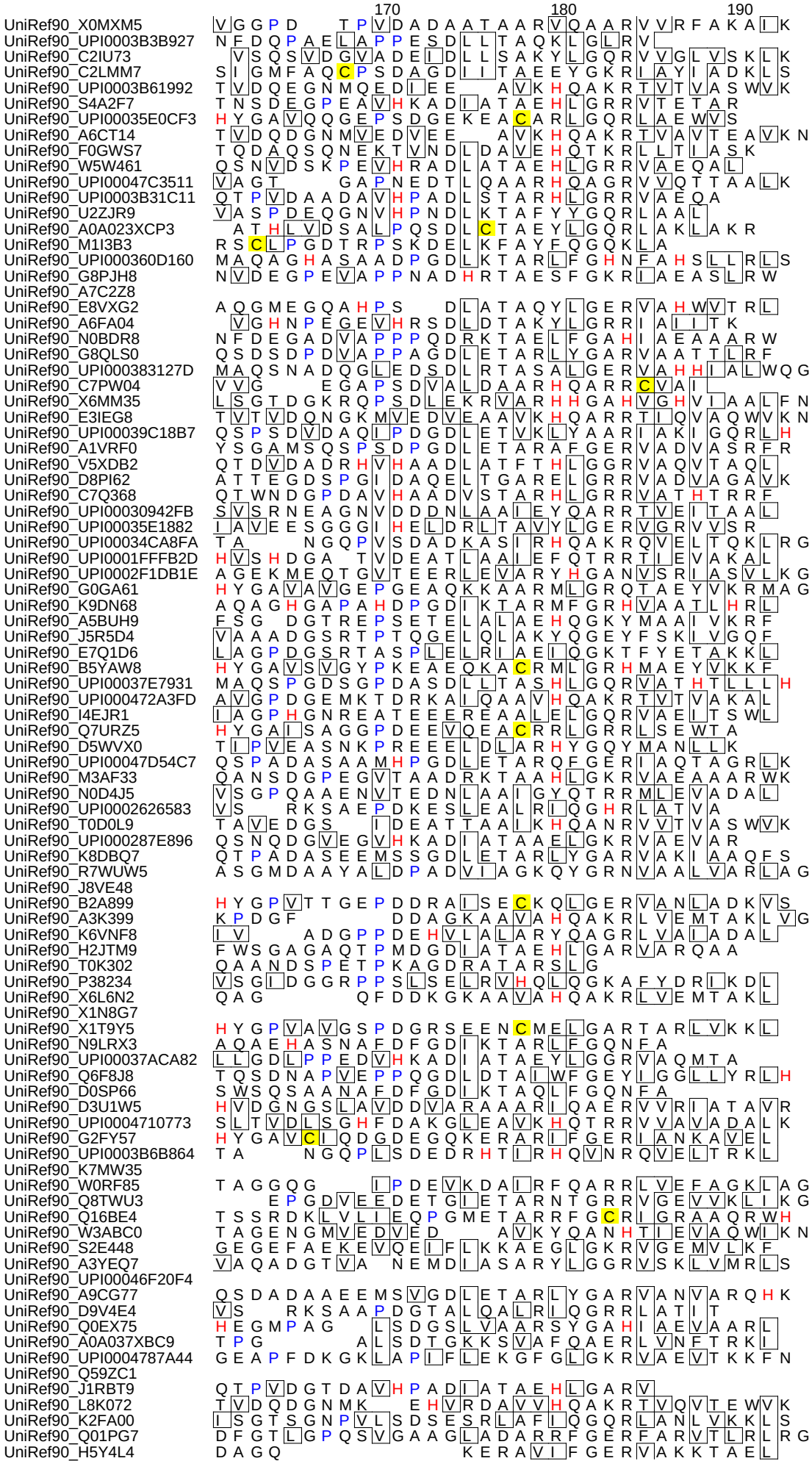

170
180
190
UniRef90_K2MB48
UniRef90_UPI0002375F31
UniRef90_R1IM06
UniRef90_UPI00047540DA
UniRef90_B5SFB4
UniRef90_W4CZM7
UniRef90_D5DCF9
UniRef90_K2KJF1
UniRef90_A0A031LKN3
UniRef90_Q21EV6
UniRef90_E2STX8
UniRef90_UPI00046CADA6
UniRef90_UPI000364C19B
UniRef90_W0V2P8
UniRef90_B8AZT6
UniRef90_B8KLZ9
UniRef90_N8QME5
UniRef90_A2SJV2
UniRef90_I0H415
UniRef90_W0HAS7
UniRef90_UPI0003B4FA12
UniRef90_F5SBP0
UniRef90_A0A024PHM5
UniRef90_D6U6D2
UniRef90_A0A014MPH6
UniRef90_UPI0003761B78
UniRef90_E1TEJ0
UniRef90_V2WBX4
UniRef90_UPI00042727EA
UniRef90_UPI00035C4A84
UniRef90_UPI000368D110
UniRef90_J9RZQ8
UniRef90_N6V277
UniRef90_F9DVE8
UniRef90_S9T4U2
UniRef90_F4FD95
UniRef90_UPI0002378CBA
UniRef90_C5T6D6
UniRef90_W5C9V1
UniRef90_UPI0003FFA01E
UniRef90_G7CMK6
UniRef90_K0Z3B3
UniRef90_UPI000382EDBA
UniRef90_A0A059E3P2
UniRef90_A0A059AMW2
UniRef90_UPI00036F8724
UniRef90_W0V2I5
UniRef90_UPI0003496932
UniRef90_N9NZL1
UniRef90_UPI00047E0799
UniRef90_K0I9Y0
UniRef90_UPI00047D6D23
UniRef90_Q1IMU3
UniRef90_C1GKG3
UniRef90_A0A029I7Q0
UniRef90_E3DN60
UniRef90_B0T6H6
UniRef90_L8PA95
UniRef90_A1T6Z1
UniRef90_Q0ABB3
UniRef90_A0A016QPV2
UniRef90_B6WAU2
UniRef90_UPI00045E62A5
UniRef90_R9BE67
UniRef90_K9FNH3
UniRef90_UPI0002D66A01
UniRef90_UPI0002E55501
UniRef90_K2M1X6
UniRef90_X0SQB8
UniRef90_UPI0002D50433
UniRef90_A6W7P0
UniRef90_N8YE36
UniRef90_D0P0Y7
UniRef90_G4L6D7
UniRef90_C4XZA0
UniRef90_O67866
UniRef90_W9ASI9
UniRef90_F5SRZ9
UniRef90_UPI00047205E2
UniRef90_UPI000377F702
UniRef90_W5YNN3
UniRef90_M1ZK61
UniRef90_F9SJJ8
UniRef90_X0PTN9
UniRef90_UPI00036FD2EE
UniRef90_M5W063
UniRef90_X0RM31
UniRef90_V2UN06
UniRef90_R9PTW1
UniRef90_K9RUB4
UniRef90_X0S213
UniRef90_A3UWR8

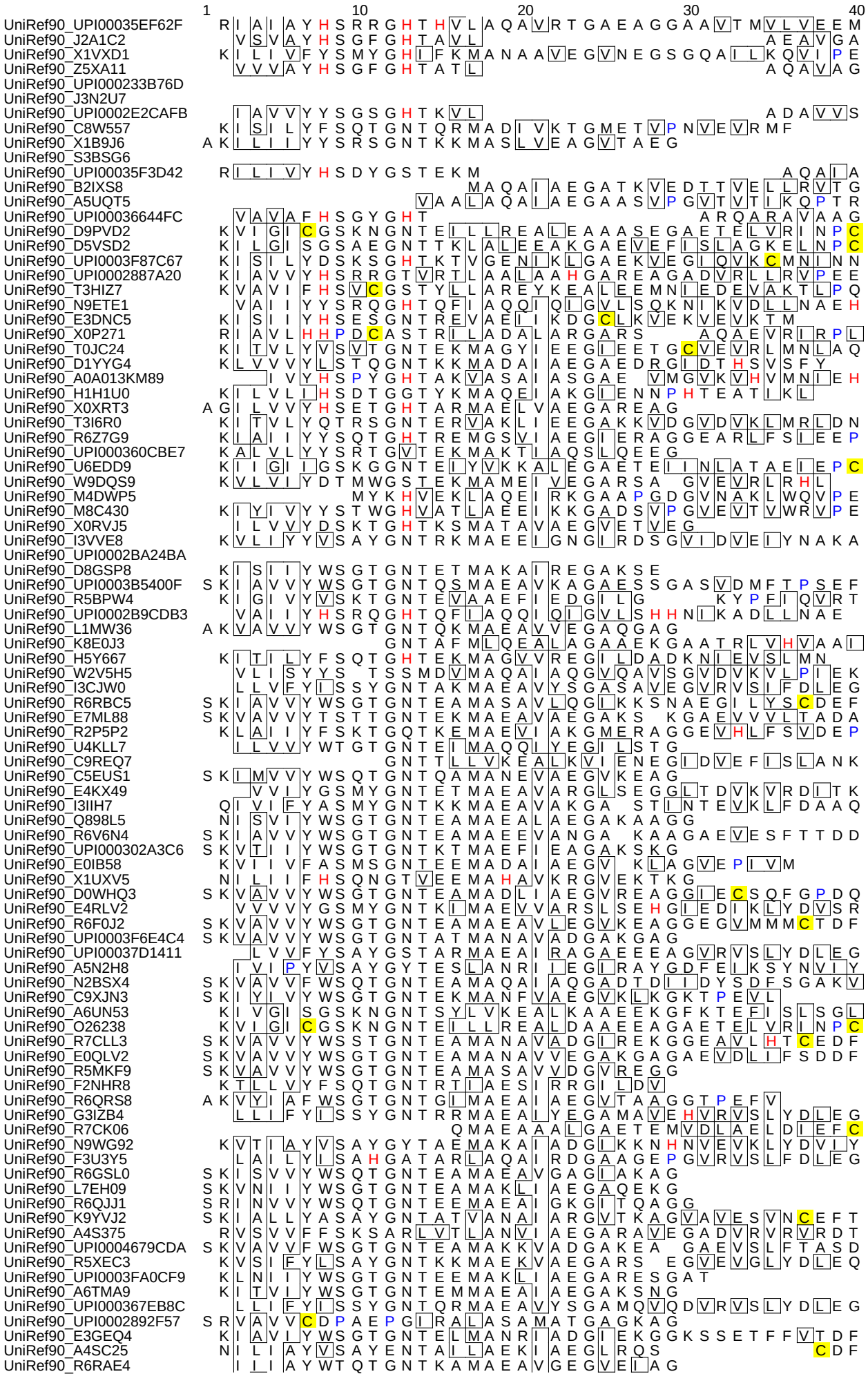

1
10
20
30
40
UniRef90_X0MXM5
UniRef90_UPI0003B3B927
UniRef90_C2IU73
UniRef90_C2LMM7
UniRef90_UPI0003B61992
UniRef90_S4A2F7
UniRef90_UPI00035E0CF3
UniRef90_A6CT14
UniRef90_F0GWS7
UniRef90_W5W461
UniRef90_UPI00047C3511
UniRef90_UPI0003B31C11
UniRef90_U2ZJR9
UniRef90_A0A023XCP3
UniRef90_M1I3B3
UniRef90_UPI000360D160
UniRef90_G8PJH8
UniRef90_A7C2Z8
UniRef90_E8VXG2
UniRef90_A6FA04
UniRef90_N0BDR8
UniRef90_G8QLS0
UniRef90_UPI000383127D
UniRef90_C7PW04
UniRef90_X6MM35
UniRef90_E3IEG8
UniRef90_UPI00039C18B7
UniRef90_A1VRF0
UniRef90_V5XDB2
UniRef90_D8PI62
UniRef90_C7Q368
UniRef90_UPI00030942FB
UniRef90_UPI00035E1882
UniRef90_UPI00034CA8FA
UniRef90_UPI0001FFFB2D
UniRef90_UPI0002F1DB1E
UniRef90_G0GA61
UniRef90_K9DN68
UniRef90_A5BUH9
UniRef90_J5R5D4
UniRef90_E7Q1D6
UniRef90_B5YAW8
UniRef90_UPI00037E7931
UniRef90_UPI000472A3FD
UniRef90_I4EJR1
UniRef90_Q7URZ5
UniRef90_D5WVX0
UniRef90_UPI00047D54C7
UniRef90_M3AF33
UniRef90_N0D4J5
UniRef90_UPI0002626583
UniRef90_T0D0L9
UniRef90_UPI000287E896
UniRef90_K8DBQ7
UniRef90_R7WUW5
UniRef90_J8VE48
UniRef90_B2A899
UniRef90_A3K399
UniRef90_K6VNF8
UniRef90_H2JTM9
UniRef90_T0K302
UniRef90_P38234
UniRef90_X6L6N2
UniRef90_X1N8G7
UniRef90_X1T9Y5
UniRef90_N9LRX3
UniRef90_UPI00037ACA82
UniRef90_Q6F8J8
UniRef90_D0SP66
UniRef90_D3U1W5
UniRef90_UPI0004710773
UniRef90_G2FY57
UniRef90_UPI0003B6B864
UniRef90_K7MW35
UniRef90_W0RF85
UniRef90_Q8TWU3
UniRef90_Q16BE4
UniRef90_W3ABC0
UniRef90_S2E448
UniRef90_A3YEQ7
UniRef90_UPI00046F20F4
UniRef90_A9CG77
UniRef90_D9V4E4
UniRef90_Q0EX75
UniRef90_A0A037XBC9
UniRef90_UPI0004787A44
UniRef90_Q59ZC1
UniRef90_J1RBT9
UniRef90_L8K072
UniRef90_K2FA00
UniRef90_Q01PG7
UniRef90_H5Y4L4

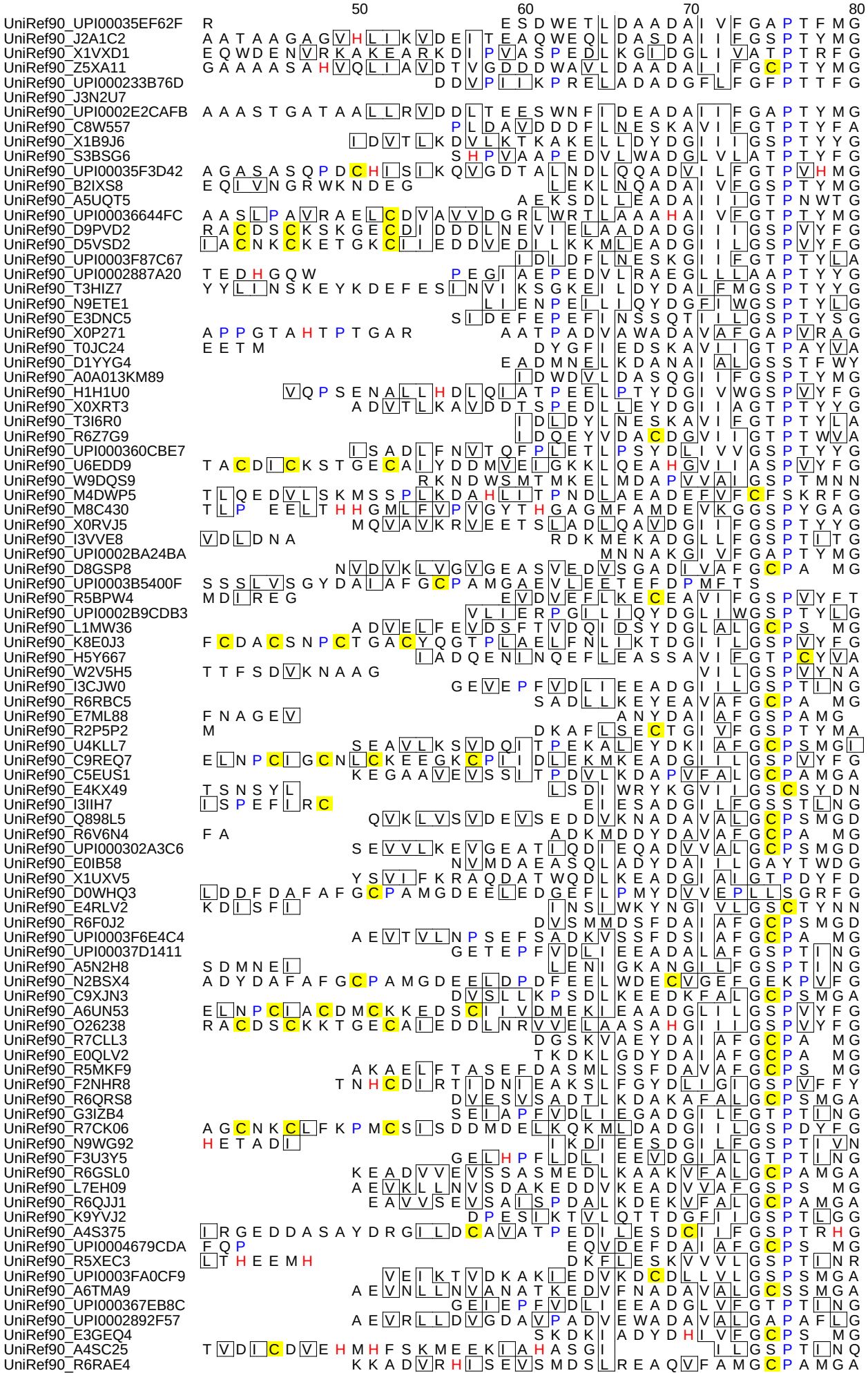

50
60
70
80
UniRef90_X0MXM5
UniRef90_UPI0003B3B927
UniRef90_C2IU73
UniRef90_C2LMM7
UniRef90_UPI0003B61992
UniRef90_S4A2F7
UniRef90_UPI00035E0CF3
UniRef90_A6CT14
UniRef90_F0GWS7
UniRef90_W5W461
UniRef90_UPI00047C3511
UniRef90_UPI0003B31C11
UniRef90_U2ZJR9
UniRef90_A0A023XCP3
UniRef90_M1I3B3
UniRef90_UPI000360D160
UniRef90_G8PJH8
UniRef90_A7C2Z8
UniRef90_E8VXG2
UniRef90_A6FA04
UniRef90_N0BDR8
UniRef90_G8QLS0
UniRef90_UPI000383127D
UniRef90_C7PW04
UniRef90_X6MM35
UniRef90_E3IEG8
UniRef90_UPI00039C18B7
UniRef90_A1VRF0
UniRef90_V5XDB2
UniRef90_D8PI62
UniRef90_C7Q368
UniRef90_UPI00030942FB
UniRef90_UPI00035E1882
UniRef90_UPI00034CA8FA
UniRef90_UPI0001FFFB2D
UniRef90_UPI0002F1DB1E
UniRef90_G0GA61
UniRef90_K9DN68
UniRef90_A5BUH9
UniRef90_J5R5D4
UniRef90_E7Q1D6
UniRef90_B5YAW8
UniRef90_UPI00037E7931
UniRef90_UPI000472A3FD
UniRef90_I4EJR1
UniRef90_Q7URZ5
UniRef90_D5WVX0
UniRef90_UPI00047D54C7
UniRef90_M3AF33
UniRef90_N0D4J5
UniRef90_UPI0002626583
UniRef90_T0D0L9
UniRef90_UPI000287E896
UniRef90_K8DBQ7
UniRef90_R7WUW5
UniRef90_J8VE48
UniRef90_B2A899
UniRef90_A3K399
UniRef90_K6VNF8
UniRef90_H2JTM9
UniRef90_T0K302
UniRef90_P38234
UniRef90_X6L6N2
UniRef90_X1N8G7
UniRef90_X1T9Y5
UniRef90_N9LRX3
UniRef90_UPI00037ACA82
UniRef90_Q6F8J8
UniRef90_D0SP66
UniRef90_D3U1W5
UniRef90_UPI0004710773
UniRef90_G2FY57
UniRef90_UPI0003B6B864
UniRef90_K7MW35
UniRef90_W0RF85
UniRef90_Q8TWU3
UniRef90_Q16BE4
UniRef90_W3ABC0
UniRef90_S2E448
UniRef90_A3YEQ7
UniRef90_UPI00046F20F4
UniRef90_A9CG77
UniRef90_D9V4E4
UniRef90_Q0EX75
UniRef90_A0A037XBC9
UniRef90_UPI0004787A44
UniRef90_Q59ZC1
UniRef90_J1RBT9
UniRef90_L8K072
UniRef90_K2FA00
UniRef90_Q01PG7
UniRef90_H5Y4L4

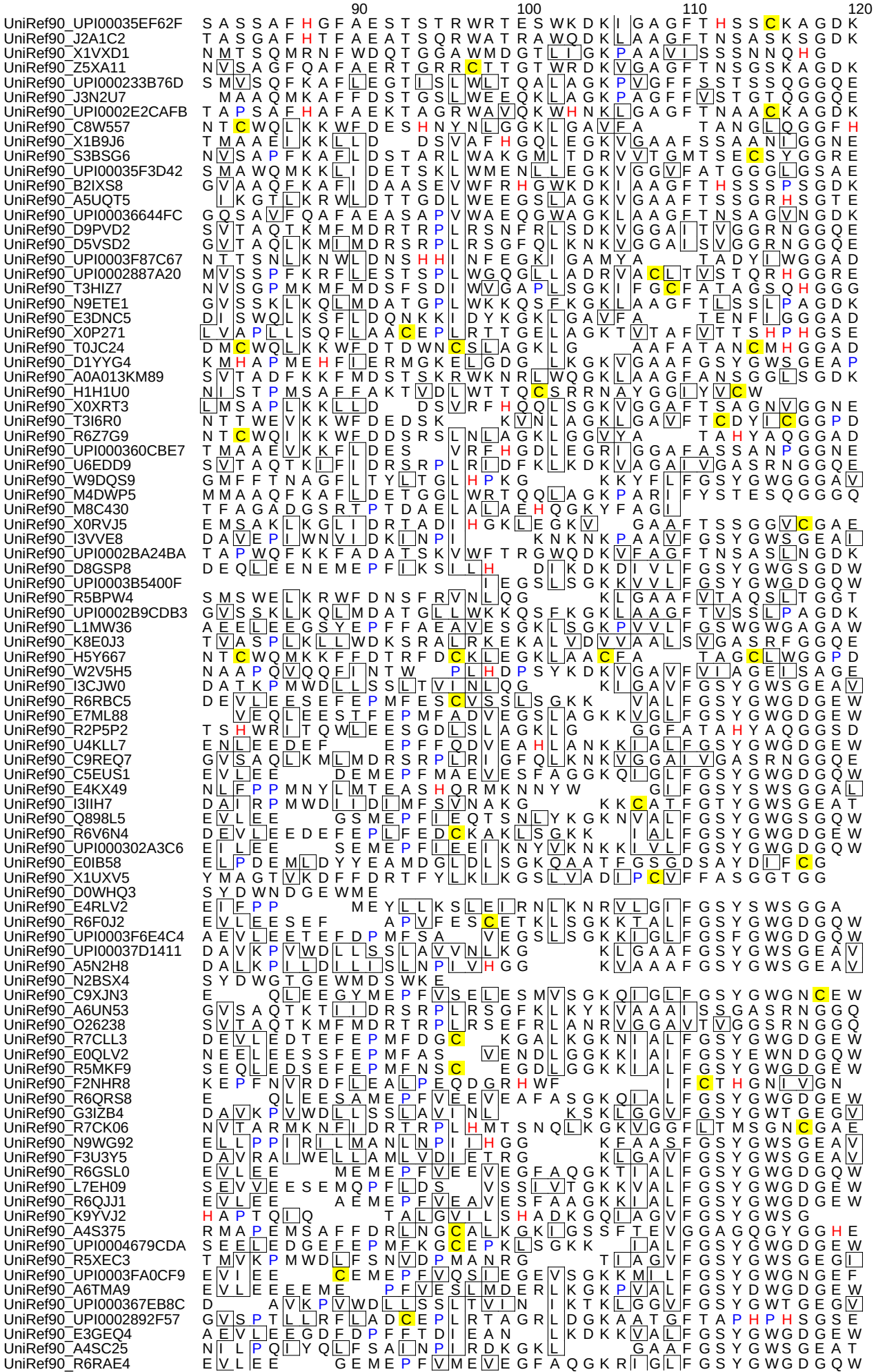

90
100
110
120
UniRef90_X0MXM5
UniRef90_UPI0003B3B927
UniRef90_C2IU73
UniRef90_C2LMM7
UniRef90_UPI0003B61992
UniRef90_S4A2F7
UniRef90_UPI00035E0CF3
UniRef90_A6CT14
UniRef90_F0GWS7
UniRef90_W5W461
UniRef90_UPI00047C3511
UniRef90_UPI0003B31C11
UniRef90_U2ZJR9
UniRef90_A0A023XCP3
UniRef90_M1I3B3
UniRef90_UPI000360D160
UniRef90_G8PJH8
UniRef90_A7C2Z8
UniRef90_E8VXG2
UniRef90_A6FA04
UniRef90_N0BDR8
UniRef90_G8QLS0
UniRef90_UPI000383127D
UniRef90_C7PW04
UniRef90_X6MM35
UniRef90_E3IEG8
UniRef90_UPI00039C18B7
UniRef90_A1VRF0
UniRef90_V5XDB2
UniRef90_D8PI62
UniRef90_C7Q368
UniRef90_UPI00030942FB
UniRef90_UPI00035E1882
UniRef90_UPI00034CA8FA
UniRef90_UPI0001FFFB2D
UniRef90_UPI0002F1DB1E
UniRef90_G0GA61
UniRef90_K9DN68
UniRef90_A5BUH9
UniRef90_J5R5D4
UniRef90_E7Q1D6
UniRef90_B5YAW8
UniRef90_UPI00037E7931
UniRef90_UPI000472A3FD
UniRef90_I4EJR1
UniRef90_Q7URZ5
UniRef90_D5WVX0
UniRef90_UPI00047D54C7
UniRef90_M3AF33
UniRef90_N0D4J5
UniRef90_UPI0002626583
UniRef90_T0D0L9
UniRef90_UPI000287E896
UniRef90_K8DBQ7
UniRef90_R7WUW5
UniRef90_J8VE48
UniRef90_B2A899
UniRef90_A3K399
UniRef90_K6VNF8
UniRef90_H2JTM9
UniRef90_T0K302
UniRef90_P38234
UniRef90_X6L6N2
UniRef90_X1N8G7
UniRef90_X1T9Y5
UniRef90_N9LRX3
UniRef90_UPI00037ACA82
UniRef90_Q6F8J8
UniRef90_D0SP66
UniRef90_D3U1W5
UniRef90_UPI0004710773
UniRef90_G2FY57
UniRef90_UPI0003B6B864
UniRef90_K7MW35
UniRef90_W0RF85
UniRef90_Q8TWU3
UniRef90_Q16BE4
UniRef90_W3ABC0
UniRef90_S2E448
UniRef90_A3YEQ7
UniRef90_UPI00046F20F4
UniRef90_A9CG77
UniRef90_D9V4E4
UniRef90_Q0EX75
UniRef90_A0A037XBC9
UniRef90_UPI0004787A44
UniRef90_Q59ZC1
UniRef90_J1RBT9
UniRef90_L8K072
UniRef90_K2FA00
UniRef90_Q01PG7
UniRef90_H5Y4L4


130
140
150
160
UniRef90_X0MXM5
UniRef90_UPI0003B3B927
UniRef90_C2IU73
UniRef90_C2LMM7
UniRef90_UPI0003B61992
UniRef90_S4A2F7
UniRef90_UPI00035E0CF3
UniRef90_A6CT14
UniRef90_F0GWS7
UniRef90_W5W461
UniRef90_UPI00047C3511
UniRef90_UPI0003B31C11
UniRef90_U2ZJR9
UniRef90_A0A023XCP3
UniRef90_M1I3B3
UniRef90_UPI000360D160
UniRef90_G8PJH8
UniRef90_A7C2Z8
UniRef90_E8VXG2
UniRef90_A6FA04
UniRef90_N0BDR8
UniRef90_G8QLS0
UniRef90_UPI000383127D
UniRef90_C7PW04
UniRef90_X6MM35
UniRef90_E3IEG8
UniRef90_UPI00039C18B7
UniRef90_A1VRF0
UniRef90_V5XDB2
UniRef90_D8PI62
UniRef90_C7Q368
UniRef90_UPI00030942FB
UniRef90_UPI00035E1882
UniRef90_UPI00034CA8FA
UniRef90_UPI0001FFFB2D
UniRef90_UPI0002F1DB1E
UniRef90_G0GA61
UniRef90_K9DN68
UniRef90_A5BUH9
UniRef90_J5R5D4
UniRef90_E7Q1D6
UniRef90_B5YAW8
UniRef90_UPI00037E7931
UniRef90_UPI000472A3FD
UniRef90_I4EJR1
UniRef90_Q7URZ5
UniRef90_D5WVX0
UniRef90_UPI00047D54C7
UniRef90_M3AF33
UniRef90_N0D4J5
UniRef90_UPI0002626583
UniRef90_T0D0L9
UniRef90_UPI000287E896
UniRef90_K8DBQ7
UniRef90_R7WUW5
UniRef90_J8VE48
UniRef90_B2A899
UniRef90_A3K399
UniRef90_K6VNF8
UniRef90_H2JTM9
UniRef90_T0K302
UniRef90_P38234
UniRef90_X6L6N2
UniRef90_X1N8G7
UniRef90_X1T9Y5
UniRef90_N9LRX3
UniRef90_UPI00037ACA82
UniRef90_Q6F8J8
UniRef90_D0SP66
UniRef90_D3U1W5
UniRef90_UPI0004710773
UniRef90_G2FY57
UniRef90_UPI0003B6B864
UniRef90_K7MW35
UniRef90_W0RF85
UniRef90_Q8TWU3
UniRef90_Q16BE4
UniRef90_W3ABC0
UniRef90_S2E448
UniRef90_A3YEQ7
UniRef90_UPI00046F20F4
UniRef90_A9CG77
UniRef90_D9V4E4
UniRef90_Q0EX75
UniRef90_A0A037XBC9
UniRef90_UPI0004787A44
UniRef90_Q59ZC1
UniRef90_J1RBT9
UniRef90_L8K072
UniRef90_K2FA00
UniRef90_Q01PG7
UniRef90_H5Y4L4

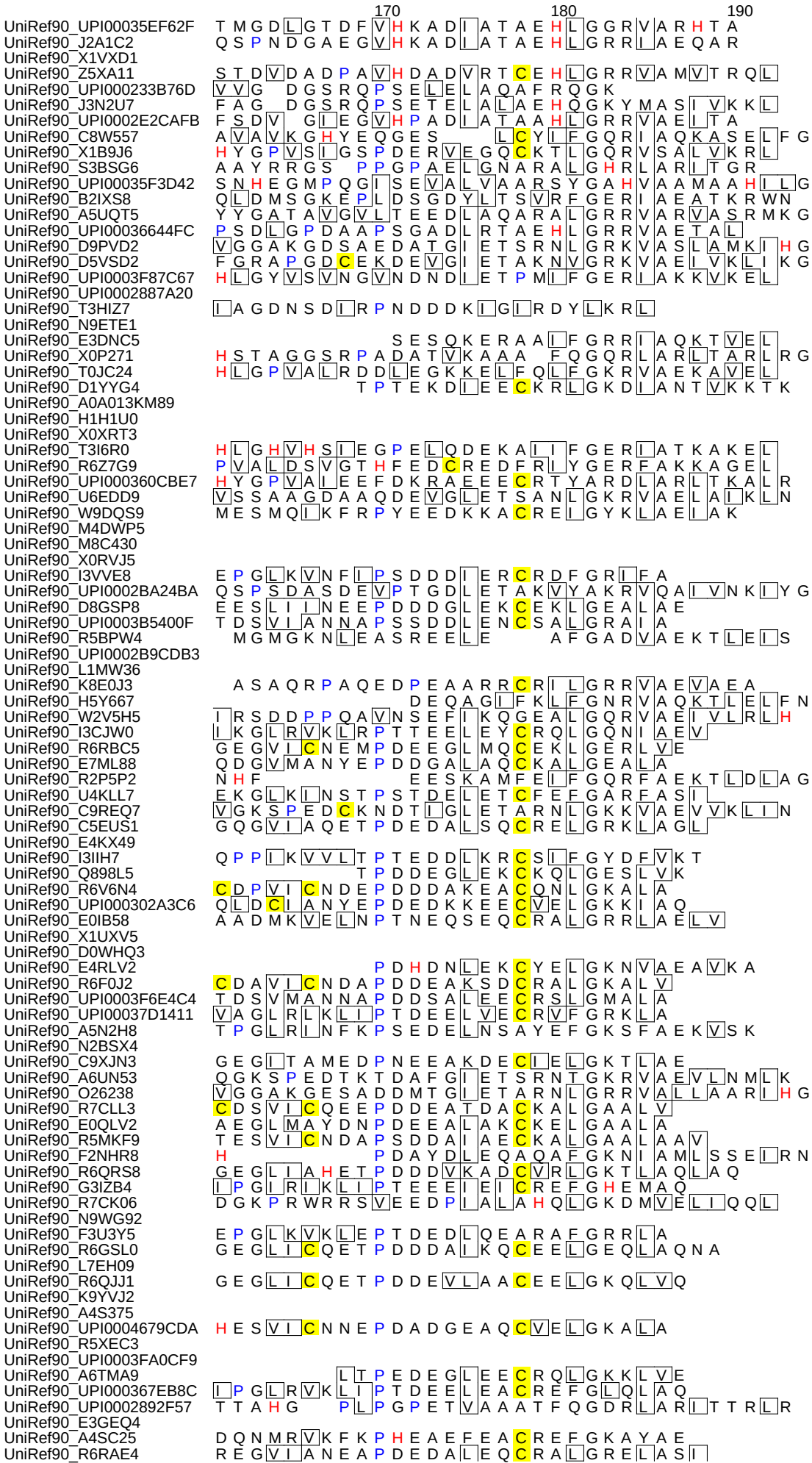

170
180
190
UniRef90_X0MXM5
UniRef90_UPI0003B3B927
UniRef90_C2IU73
UniRef90_C2LMM7
UniRef90_UPI0003B61992
UniRef90_S4A2F7
UniRef90_UPI00035E0CF3
UniRef90_A6CT14
UniRef90_F0GWS7
UniRef90_W5W461
UniRef90_UPI00047C3511
UniRef90_UPI0003B31C11
UniRef90_U2ZJR9
UniRef90_A0A023XCP3
UniRef90_M1I3B3
UniRef90_UPI000360D160
UniRef90_G8PJH8
UniRef90_A7C2Z8
UniRef90_E8VXG2
UniRef90_A6FA04
UniRef90_N0BDR8
UniRef90_G8QLS0
UniRef90_UPI000383127D
UniRef90_C7PW04
UniRef90_X6MM35
UniRef90_E3IEG8
UniRef90_UPI00039C18B7
UniRef90_A1VRF0
UniRef90_V5XDB2
UniRef90_D8PI62
UniRef90_C7Q368
UniRef90_UPI00030942FB
UniRef90_UPI00035E1882
UniRef90_UPI00034CA8FA
UniRef90_UPI0001FFFB2D
UniRef90_UPI0002F1DB1E
UniRef90_G0GA61
UniRef90_K9DN68
UniRef90_A5BUH9
UniRef90_J5R5D4
UniRef90_E7Q1D6
UniRef90_B5YAW8
UniRef90_UPI00037E7931
UniRef90_UPI000472A3FD
UniRef90_I4EJR1
UniRef90_Q7URZ5
UniRef90_D5WVX0
UniRef90_UPI00047D54C7
UniRef90_M3AF33
UniRef90_N0D4J5
UniRef90_UPI0002626583
UniRef90_T0D0L9
UniRef90_UPI000287E896
UniRef90_K8DBQ7
UniRef90_R7WUW5
UniRef90_J8VE48
UniRef90_B2A899
UniRef90_A3K399
UniRef90_K6VNF8
UniRef90_H2JTM9
UniRef90_T0K302
UniRef90_P38234
UniRef90_X6L6N2
UniRef90_X1N8G7
UniRef90_X1T9Y5
UniRef90_N9LRX3
UniRef90_UPI00037ACA82
UniRef90_Q6F8J8
UniRef90_D0SP66
UniRef90_D3U1W5
UniRef90_UPI0004710773
UniRef90_G2FY57
UniRef90_UPI0003B6B864
UniRef90_K7MW35
UniRef90_W0RF85
UniRef90_Q8TWU3
UniRef90_Q16BE4
UniRef90_W3ABC0
UniRef90_S2E448
UniRef90_A3YEQ7
UniRef90_UPI00046F20F4
UniRef90_A9CG77
UniRef90_D9V4E4
UniRef90_Q0EX75
UniRef90_A0A037XBC9
UniRef90_UPI0004787A44
UniRef90_Q59ZC1
UniRef90_J1RBT9
UniRef90_L8K072
UniRef90_K2FA00
UniRef90_Q01PG7
UniRef90_H5Y4L4

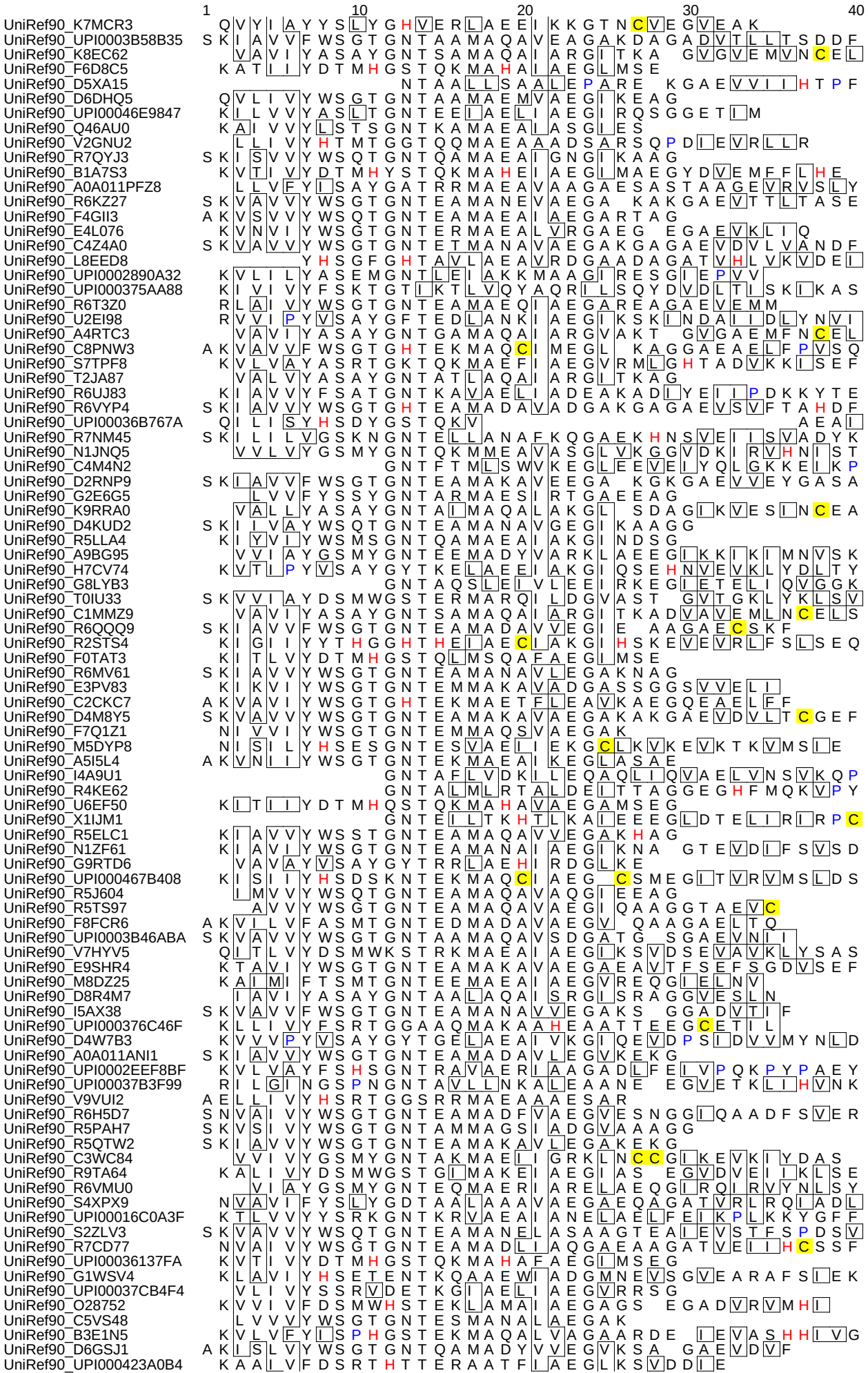

1
10
20
30
40
UniRef90_UPI00035EF62F
UniRef90_J2A1C2
UniRef90_X1VXD1
UniRef90_Z5XA11
UniRef90_UPI000233B76D
UniRef90_J3N2U7
UniRef90_UPI0002E2CAFB
UniRef90_C8W557
UniRef90_X1B9J6
UniRef90_S3BSG6
UniRef90_UPI00035F3D42
UniRef90_B2IXS8
UniRef90_A5UQT5
UniRef90_UPI00036644FC
UniRef90_D9PVD2
UniRef90_D5VSD2
UniRef90_UPI0003F87C67
UniRef90_UPI0002887A20
UniRef90_T3HIZ7
UniRef90_N9ETE1
UniRef90_E3DNC5
UniRef90_X0P271
UniRef90_T0JC24
UniRef90_D1YYG4
UniRef90_A0A013KM89
UniRef90_H1H1U0
UniRef90_X0XRT3
UniRef90_T3I6R0
UniRef90_R6Z7G9
UniRef90_UPI000360CBE7
UniRef90_U6EDD9
UniRef90_W9DQS9
UniRef90_M4DWP5
UniRef90_M8C430
UniRef90_X0RVJ5
UniRef90_I3VVE8
UniRef90_UPI0002BA24BA
UniRef90_D8GSP8
UniRef90_UPI0003B5400F
UniRef90_R5BPW4
UniRef90_UPI0002B9CDB3
UniRef90_L1MW36
UniRef90_K8E0J3
UniRef90_H5Y667
UniRef90_W2V5H5
UniRef90_I3CJW0
UniRef90_R6RBC5
UniRef90_E7ML88
UniRef90_R2P5P2
UniRef90_U4KLL7
UniRef90_C9REQ7
UniRef90_C5EUS1
UniRef90_E4KX49
UniRef90_I3IIH7
UniRef90_Q898L5
UniRef90_R6V6N4
UniRef90_UPI000302A3C6
UniRef90_E0IB58
UniRef90_X1UXV5
UniRef90_D0WHQ3
UniRef90_E4RLV2
UniRef90_R6F0J2
UniRef90_UPI0003F6E4C4
UniRef90_UPI00037D1411
UniRef90_A5N2H8
UniRef90_N2BSX4
UniRef90_C9XJN3
UniRef90_A6UN53
UniRef90_O26238
UniRef90_R7CLL3
UniRef90_E0QLV2
UniRef90_R5MKF9
UniRef90_F2NHR8
UniRef90_R6QRS8
UniRef90_G3IZB4
UniRef90_R7CK06
UniRef90_N9WG92
UniRef90_F3U3Y5
UniRef90_R6GSL0
UniRef90_L7EH09
UniRef90_R6QJJ1
UniRef90_K9YVJ2
UniRef90_A4S375
UniRef90_UPI0004679CDA
UniRef90_R5XEC3
UniRef90_UPI0003FA0CF9
UniRef90_A6TMA9
UniRef90_UPI000367EB8C
UniRef90_UPI0002892F57
UniRef90_E3GEQ4
UniRef90_A4SC25
UniRef90_R6RAE4

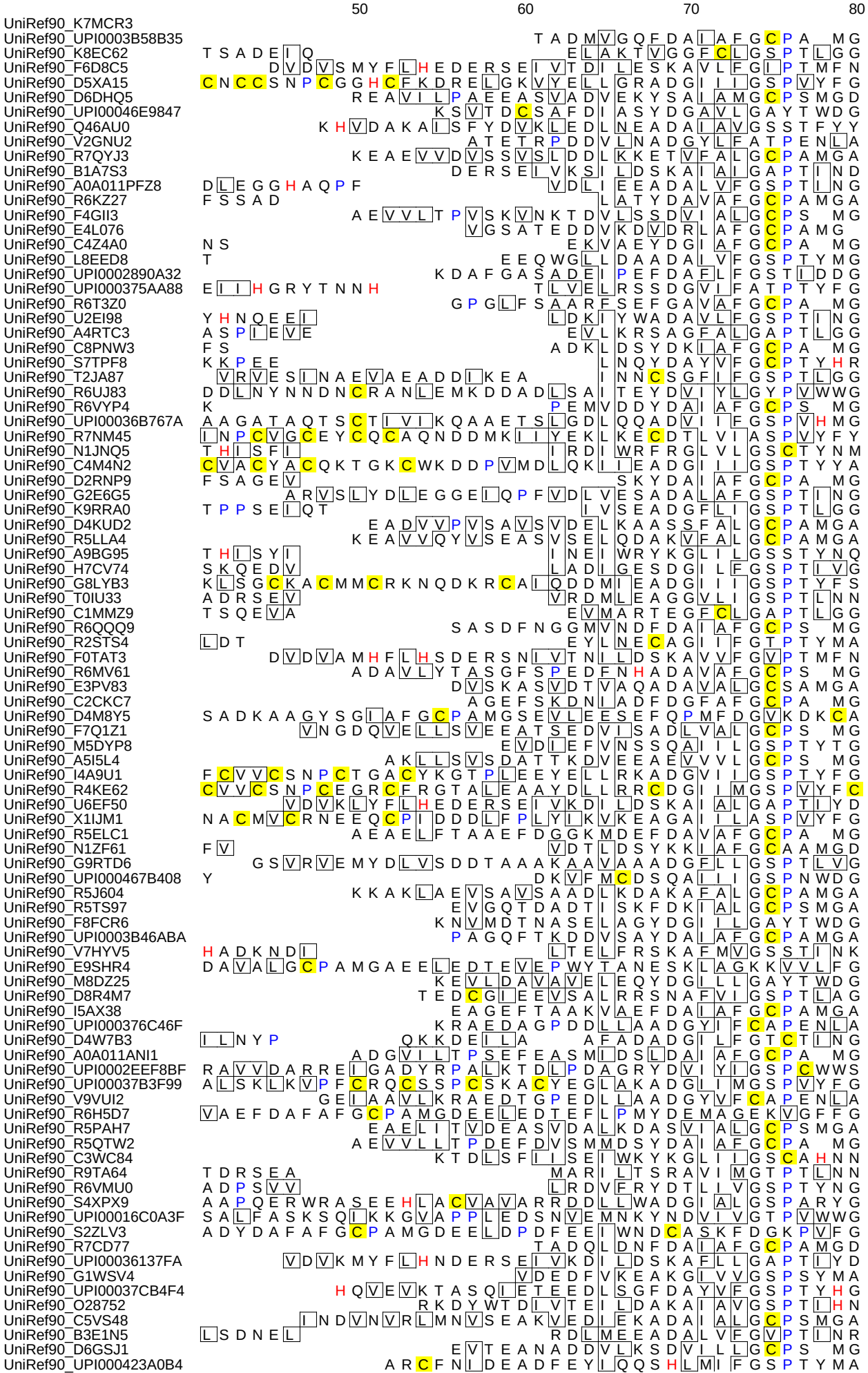

50
60
70
80
UniRef90_UPI00035EF62F
UniRef90_J2A1C2
UniRef90_X1VXD1
UniRef90_Z5XA11
UniRef90_UPI000233B76D
UniRef90_J3N2U7
UniRef90_UPI0002E2CAFB
UniRef90_C8W557
UniRef90_X1B9J6
UniRef90_S3BSG6
UniRef90_UPI00035F3D42
UniRef90_B2IXS8
UniRef90_A5UQT5
UniRef90_UPI00036644FC
UniRef90_D9PVD2
UniRef90_D5VSD2
UniRef90_UPI0003F87C67
UniRef90_UPI0002887A20
UniRef90_T3HIZ7
UniRef90_N9ETE1
UniRef90_E3DNC5
UniRef90_X0P271
UniRef90_T0JC24
UniRef90_D1YYG4
UniRef90_A0A013KM89
UniRef90_H1H1U0
UniRef90_X0XRT3
UniRef90_T3I6R0
UniRef90_R6Z7G9
UniRef90_UPI000360CBE7
UniRef90_U6EDD9
UniRef90_W9DQS9
UniRef90_M4DWP5
UniRef90_M8C430
UniRef90_X0RVJ5
UniRef90_I3VVE8
UniRef90_UPI0002BA24BA
UniRef90_D8GSP8
UniRef90_UPI0003B5400F
UniRef90_R5BPW4
UniRef90_UPI0002B9CDB3
UniRef90_L1MW36
UniRef90_K8E0J3
UniRef90_H5Y667
UniRef90_W2V5H5
UniRef90_I3CJW0
UniRef90_R6RBC5
UniRef90_E7ML88
UniRef90_R2P5P2
UniRef90_U4KLL7
UniRef90_C9REQ7
UniRef90_C5EUS1
UniRef90_E4KX49
UniRef90_I3IIH7
UniRef90_Q898L5
UniRef90_R6V6N4
UniRef90_UPI000302A3C6
UniRef90_E0IB58
UniRef90_X1UXV5
UniRef90_D0WHQ3
UniRef90_E4RLV2
UniRef90_R6F0J2
UniRef90_UPI0003F6E4C4
UniRef90_UPI00037D1411
UniRef90_A5N2H8
UniRef90_N2BSX4
UniRef90_C9XJN3
UniRef90_A6UN53
UniRef90_O26238
UniRef90_R7CLL3
UniRef90_E0QLV2
UniRef90_R5MKF9
UniRef90_F2NHR8
UniRef90_R6QRS8
UniRef90_G3IZB4
UniRef90_R7CK06
UniRef90_N9WG92
UniRef90_F3U3Y5
UniRef90_R6GSL0
UniRef90_L7EH09
UniRef90_R6QJJ1
UniRef90_K9YVJ2
UniRef90_A4S375
UniRef90_UPI0004679CDA
UniRef90_R5XEC3
UniRef90_UPI0003FA0CF9
UniRef90_A6TMA9
UniRef90_UPI000367EB8C
UniRef90_UPI0002892F57
UniRef90_E3GEQ4
UniRef90_A4SC25
UniRef90_R6RAE4

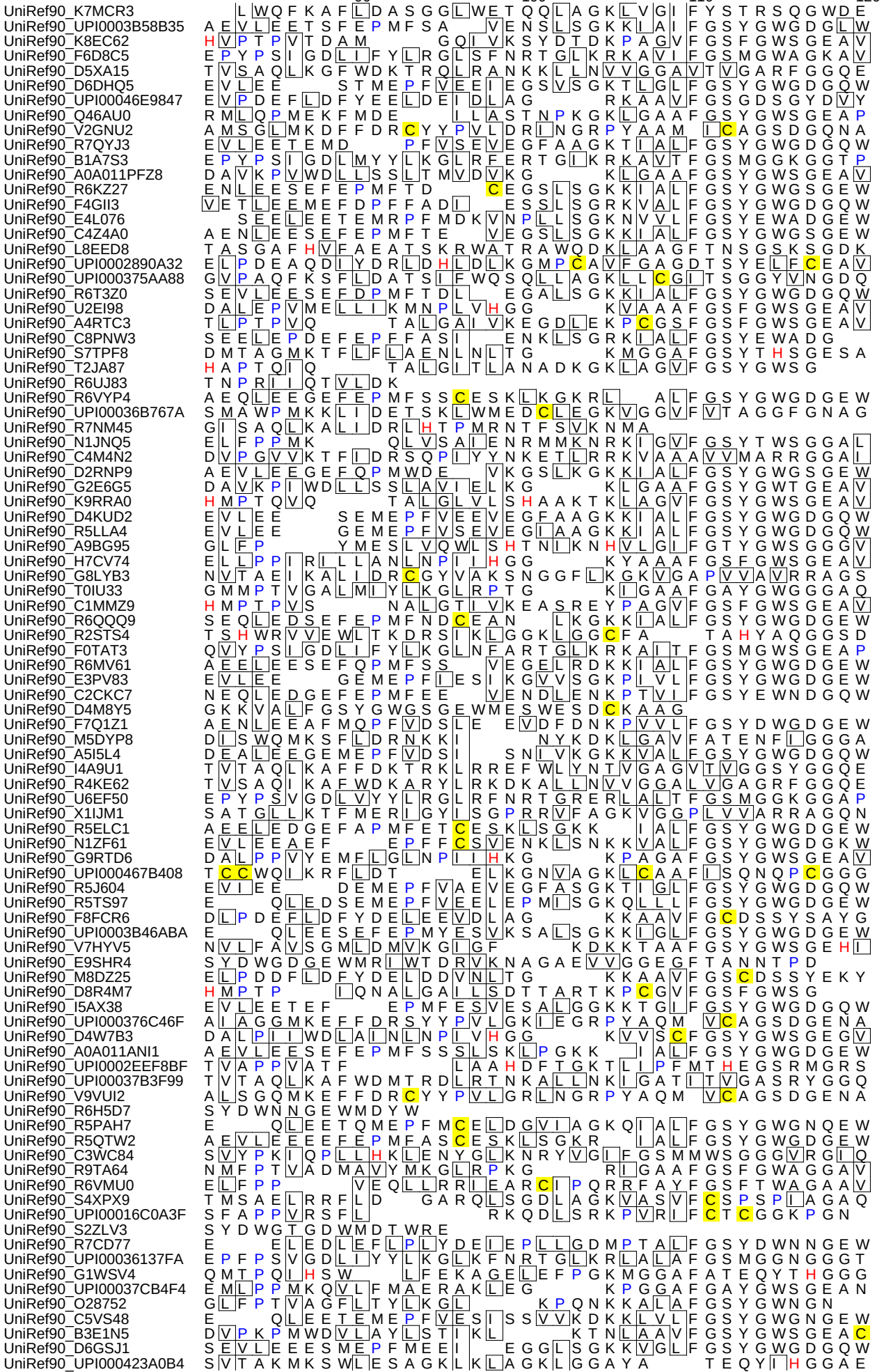

90
100
110
120
UniRef90_UPI00035EF62F
UniRef90_J2A1C2
UniRef90_X1VXD1
UniRef90_Z5XA11
UniRef90_UPI000233B76D
UniRef90_J3N2U7
UniRef90_UPI0002E2CAFB
UniRef90_C8W557
UniRef90_X1B9J6
UniRef90_S3BSG6
UniRef90_UPI00035F3D42
UniRef90_B2IXS8
UniRef90_A5UQT5
UniRef90_UPI00036644FC
UniRef90_D9PVD2
UniRef90_D5VSD2
UniRef90_UPI0003F87C67
UniRef90_UPI0002887A20
UniRef90_T3HIZ7
UniRef90_N9ETE1
UniRef90_E3DNC5
UniRef90_X0P271
UniRef90_T0JC24
UniRef90_D1YYG4
UniRef90_A0A013KM89
UniRef90_H1H1U0
UniRef90_X0XRT3
UniRef90_T3I6R0
UniRef90_R6Z7G9
UniRef90_UPI000360CBE7
UniRef90_U6EDD9
UniRef90_W9DQS9
UniRef90_M4DWP5
UniRef90_M8C430
UniRef90_X0RVJ5
UniRef90_I3VVE8
UniRef90_UPI0002BA24BA
UniRef90_D8GSP8
UniRef90_UPI0003B5400F
UniRef90_R5BPW4
UniRef90_UPI0002B9CDB3
UniRef90_L1MW36
UniRef90_K8E0J3
UniRef90_H5Y667
UniRef90_W2V5H5
UniRef90_I3CJW0
UniRef90_R6RBC5
UniRef90_E7ML88
UniRef90_R2P5P2
UniRef90_U4KLL7
UniRef90_C9REQ7
UniRef90_C5EUS1
UniRef90_E4KX49
UniRef90_I3IIH7
UniRef90_Q898L5
UniRef90_R6V6N4
UniRef90_UPI000302A3C6
UniRef90_E0IB58
UniRef90_X1UXV5
UniRef90_D0WHQ3
UniRef90_E4RLV2
UniRef90_R6F0J2
UniRef90_UPI0003F6E4C4
UniRef90_UPI00037D1411
UniRef90_A5N2H8
UniRef90_N2BSX4
UniRef90_C9XJN3
UniRef90_A6UN53
UniRef90_O26238
UniRef90_R7CLL3
UniRef90_E0QLV2
UniRef90_R5MKF9
UniRef90_F2NHR8
UniRef90_R6QRS8
UniRef90_G3IZB4
UniRef90_R7CK06
UniRef90_N9WG92
UniRef90_F3U3Y5
UniRef90_R6GSL0
UniRef90_L7EH09
UniRef90_R6QJJ1
UniRef90_K9YVJ2
UniRef90_A4S375
UniRef90_UPI0004679CDA
UniRef90_R5XEC3
UniRef90_UPI0003FA0CF9
UniRef90_A6TMA9
UniRef90_UPI000367EB8C
UniRef90_UPI0002892F57
UniRef90_E3GEQ4
UniRef90_A4SC25
UniRef90_R6RAE4

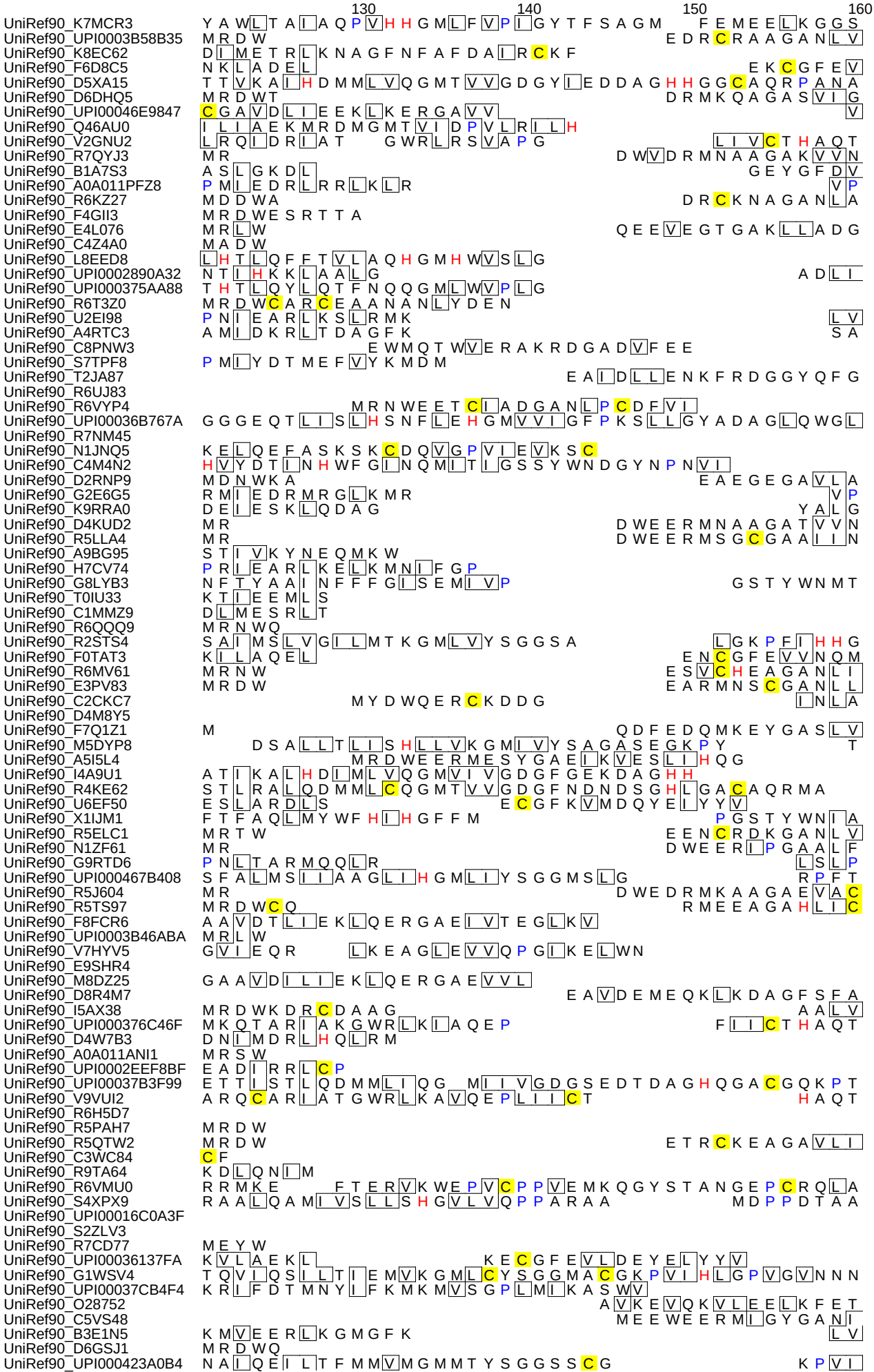
130
140
150
160
UniRef90_UPI00035EF62F
UniRef90_J2A1C2
UniRef90_X1VXD1
UniRef90_Z5XA11
UniRef90_UPI000233B76D
UniRef90_J3N2U7
UniRef90_UPI0002E2CAFB
UniRef90_C8W557
UniRef90_X1B9J6
UniRef90_S3BSG6
UniRef90_UPI00035F3D42
UniRef90_B2IXS8
UniRef90_A5UQT5
UniRef90_UPI00036644FC
UniRef90_D9PVD2
UniRef90_D5VSD2
UniRef90_UPI0003F87C67
UniRef90_UPI0002887A20
UniRef90_T3HIZ7
UniRef90_N9ETE1
UniRef90_E3DNC5
UniRef90_X0P271
UniRef90_T0JC24
UniRef90_D1YYG4
UniRef90_A0A013KM89
UniRef90_H1H1U0
UniRef90_X0XRT3
UniRef90_T3I6R0
UniRef90_R6Z7G9
UniRef90_UPI000360CBE7
UniRef90_U6EDD9
UniRef90_W9DQS9
UniRef90_M4DWP5
UniRef90_M8C430
UniRef90_X0RVJ5
UniRef90_I3VVE8
UniRef90_UPI0002BA24BA
UniRef90_D8GSP8
UniRef90_UPI0003B5400F
UniRef90_R5BPW4
UniRef90_UPI0002B9CDB3
UniRef90_L1MW36
UniRef90_K8E0J3
UniRef90_H5Y667
UniRef90_W2V5H5
UniRef90_I3CJW0
UniRef90_R6RBC5
UniRef90_E7ML88
UniRef90_R2P5P2
UniRef90_U4KLL7
UniRef90_C9REQ7
UniRef90_C5EUS1
UniRef90_E4KX49
UniRef90_I3IIH7
UniRef90_Q898L5
UniRef90_R6V6N4
UniRef90_UPI000302A3C6
UniRef90_E0IB58
UniRef90_X1UXV5
UniRef90_D0WHQ3
UniRef90_E4RLV2
UniRef90_R6F0J2
UniRef90_UPI0003F6E4C4
UniRef90_UPI00037D1411
UniRef90_A5N2H8
UniRef90_N2BSX4
UniRef90_C9XJN3
UniRef90_A6UN53
UniRef90_O26238
UniRef90_R7CLL3
UniRef90_E0QLV2
UniRef90_R5MKF9
UniRef90_F2NHR8
UniRef90_R6QRS8
UniRef90_G3IZB4
UniRef90_R7CK06
UniRef90_N9WG92
UniRef90_F3U3Y5
UniRef90_R6GSL0
UniRef90_L7EH09
UniRef90_R6QJJ1
UniRef90_K9YVJ2
UniRef90_A4S375
UniRef90_UPI0004679CDA
UniRef90_R5XEC3
UniRef90_UPI0003FA0CF9
UniRef90_A6TMA9
UniRef90_UPI000367EB8C
UniRef90_UPI0002892F57
UniRef90_E3GEQ4
UniRef90_A4SC25
UniRef90_R6RAE4

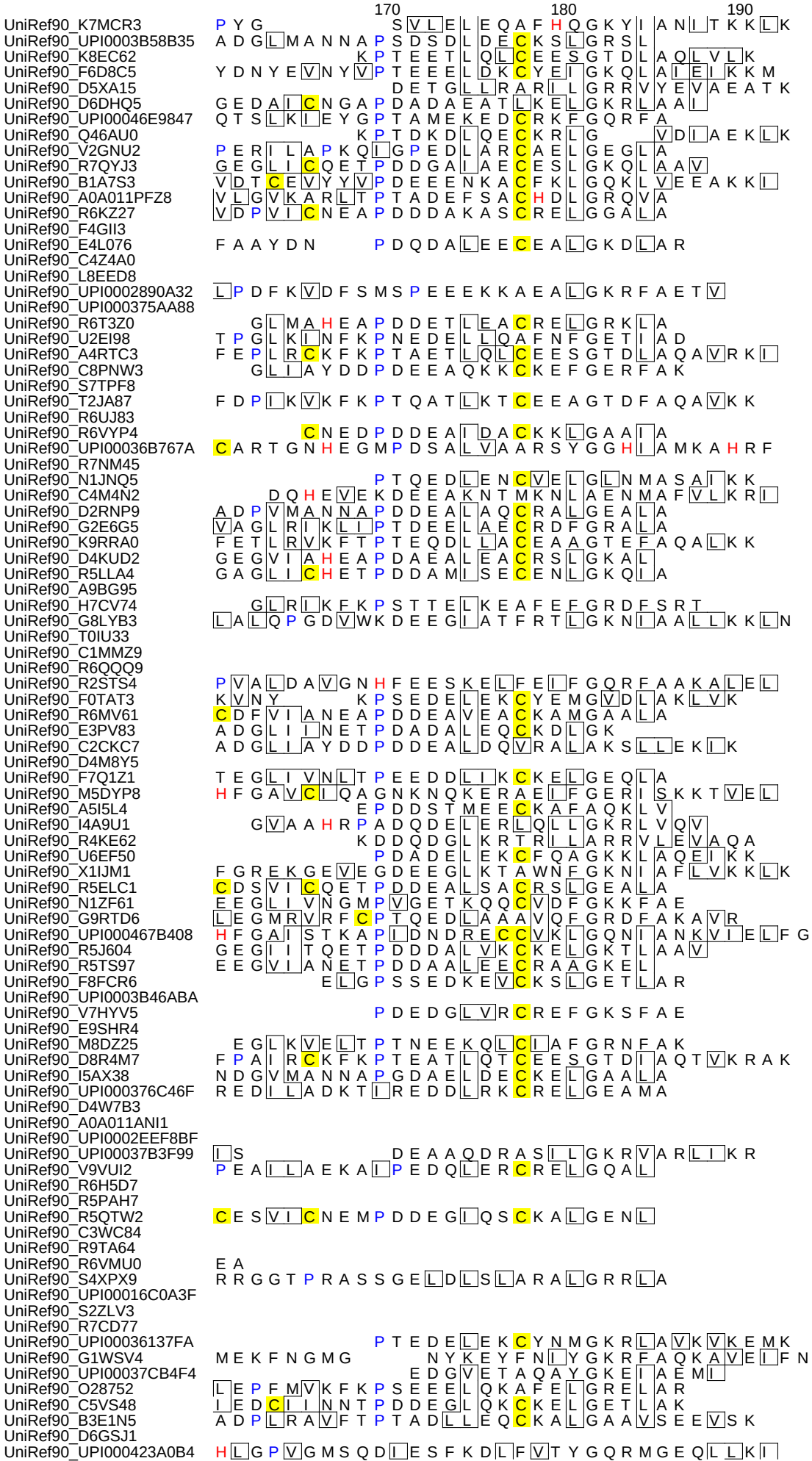

170
180
190
UniRef90_UPI00035EF62F T M G D L G T D F V H K A D I A T A E H L G G R V A R H T A
UniRef90_J2A1C2 Q S P N D G A E G V H K A D I A T A E H L G R R I A E Q A R
UniRef90_X1VXD1
UniRef90_Z5XA11 S T D V D A D P A V H D A D V R T C E H L G R R V A M V T R Q L
UniRef90_UPI000233B76D V V G D G S R Q P S E L E L A Q A F R Q G K
UniRef90_J3N2U7 F A G D G S R Q P S E T E L A L A E H Q G K Y M A S I V K K L
UniRef90_UPI0002E2CAFB F S D V G I E G V H P A D I A T A A H L G R R V A E I T A
UniRef90_C8W557 A V A V K G H Y E Q G E S L C Y I F G Q R I A Q K A S E L F G
UniRef90_X1B9J6 H Y G P V S I G S P D E R V E G Q C K T L G Q R V S A L V K R L
UniRef90_S3BSG6 A A Y R R G S P P G P A E L G N A R A L G H R L A R I T G R
UniRef90_UPI00035F3D42 S N H E G M P Q G I S E V A L V A A R S Y G A H V A A M A A H I L G
UniRef90_B2IXS8 Q L D M S G K E P L D S G D Y L T S V R F G E R I A E A T K R W N
UniRef90_A5UQT5 Y Y G A T A V G V L T E E D L A Q A R A L G R R V A R V A S R M K G
UniRef90_UPI00036644FC P S D L G P D A A P S G A D L R T A E H L G R R V A E T A L
UniRef90_D9PVD2 V G G A K G D S A E D A T G I E T S R N L G R K V A S L A M K I H G
UniRef90_D5VSD2 F G R A P G D C E K D E V G I E T A K N V G R K V A E I V K L I K G
UniRef90_UPI0003F87C67 H L G Y V S V N G V N D N D I E T P M I F G E R I A K K V K E L
UniRef90_UPI0002887A20
UniRef90_T3HIZ7 I A G D N S D I R P N D D D K I G I R D Y L K R L
UniRef90_N9ETE1
UniRef90_E3DNC5 S E S Q K E R A A I F G R R I A Q K T V E L
UniRef90_X0P271 H S T A G G S R P A D A T V K A A A F Q G Q R L A R L T A R L R G
UniRef90_T0JC24 H L G P V A L R D D L E G K K E L F Q L F G K R V A E K A V E L
UniRef90_D1YYG4 T P T E K D I E E C K R L G K D I A N T V K K T K
UniRef90_A0A013KM89
UniRef90_H1H1U0
UniRef90_X0XRT3
UniRef90_T3I6R0 H L G H V H S I E G P E L Q D E K A I I F G E R I A T K A K E L
UniRef90_R6Z7G9 P V A L D S V G T H F E D C R E D F R I Y G E R F A K K A G E L
UniRef90_UPI000360CBE7 H Y G P V A I E E F D K R A E E E C R T Y A R D L A R L T K A L R
UniRef90_U6EDD9 V S S A A G D A A Q D E V G L E T S A N L G K R V A E L A I K L N
UniRef90_W9DQS9 M E S M Q I K F R P Y E E D K K A C R E I G Y K L A E I A K
UniRef90_M4DWP5
UniRef90_M8C430
UniRef90_X0RVJ5
UniRef90_I3VVE8 E P G L K V N F I P S D D D I E R C R D F G R I F A
UniRef90_UPI0002BA24BA Q S P S D A S D E V P T G D L E T A K V Y A K R V Q A I V N K I Y G
UniRef90_D8GSP8 E E S L I I N E E P D D D G L E K C E K L G E A L A E
UniRef90_UPI0003B5400F T D S V I A N N A P S S D D L E N C S A L G R A I A
UniRef90_R5BPW4 M G M G K N L E A S R E E L E A F G A D V A E K T L E I S
UniRef90_UPI0002B9CDB3
UniRef90_L1MW36
UniRef90_K8E0J3 A S A Q R P A Q E D P E A A R R C R I L G R R V A E V A E A
UniRef90_H5Y667 D E Q A G I F K L F G N R V A Q K T L E L F N
UniRef90_W2V5H5 I R S D D P P Q A V N S E F I K Q G E A L G Q R V A E I V L R L H
UniRef90_I3CJW0 I K G L R V K L R P T T E E L E Y C R Q L G Q N I A E V
UniRef90_R6RBC5 G E G V I C N E M P D E E G L M Q C E K L G E R L V E
UniRef90_E7ML88 Q D G V M A N Y E P D D G A L A Q C K A L G E A L A
UniRef90_R2P5P2 N H F E E S K A M F E I F G Q R F A E K T L D L A G
UniRef90_U4KLL7 E K G L K I N S T P S T D E L E T C F E F G A R F A S I
UniRef90_C9REQ7 V G K S P E D C K N D T I G L E T A R N L G K K V A E V V K L I N
UniRef90_C5EUS1 G Q G V I A Q E T P D E D A L S Q C R E L G R K L A G L
UniRef90_E4KX49
UniRef90_I3IIH7 Q P P I K V V L T P T E D D L K R C S I F G Y D F V K T
UniRef90_Q898L5 T P D D E G L E K C K Q L G E S L V K
UniRef90_R6V6N4 C D P V I C N D E P D D D A K E A C Q N L G K A L A
UniRef90_UPI000302A3C6 Q L D C I A N Y E P D E D K K E E C V E L G K K I A Q
UniRef90_E0IB58 A A D M K V E L N P T N E Q S E Q C R A L G R R L A E L V
UniRef90_X1UXV5
UniRef90_D0WHQ3
UniRef90_E4RLV2 P D H D N L E K C Y E L G K N V A E A V K A
UniRef90_R6F0J2 C D A V I C N D A P D D E A K S D C R A L G K A L V
UniRef90_UPI0003F6E4C4 T D S V M A N N A P D D S A L E E C R S L G M A L A
UniRef90_UPI00037D1411 V A G L R L K L I P T D E E L V E C R V F G R K L A
UniRef90_A5N2H8 T P G L R I N F K P S E D E L N S A Y E F G K S F A E K V S K
UniRef90_N2BSX4
UniRef90_C9XJN3 G E G I T A M E D P N E E A K D E C I E L G K T L A E
UniRef90_A6UN53 Q G K S P E D T K T D A F G I E T S R N T G K R V A E V L N M L K
UniRef90_O26238 V G G A K G E S A D D M T G I E T A R N L G R R V A L L A A R I H G
UniRef90_R7CLL3 C D S V I C Q E E P D D E A T D A C K A L G A A L V
UniRef90_E0QLV2 A E G L M A Y D N P D E E A L A K C K E L G A A L A
UniRef90_R5MKF9 T E S V I C N D A P S D D A I A E C K A L G A A L A A V
UniRef90_F2NHR8 H P D A Y D L E Q A Q A F G K N I A M L S S E I R N
UniRef90_R6QRS8 G E G L I A H E T P D D D V K A D C V R L G K T L A Q L A Q
UniRef90_G3IZB4 I P G I R I K L I P T E E E I E I C R E F G H E M A Q
UniRef90_R7CK06 D G K P R W R R S V E E D P I A L A H Q L G K D M V E L I Q Q L
UniRef90_N9WG92
UniRef90_F3U3Y5 E P G L K V K L E P T D E D L Q E A R A F G R R L A
UniRef90_R6GSL0 G E G L I C Q E T P D D D A I K Q C E E L G E Q L A Q N A
UniRef90_L7EH09
UniRef90_R6QJJ1 G E G L I C Q E T P D D E V L A A C E E L G K Q L V Q
UniRef90_K9YVJ2
UniRef90_A4S375
UniRef90_UPI0004679CDA H E S V I C N N E P D A D G E A Q C V E L G K A L A
UniRef90_R5XEC3
UniRef90_UPI0003FA0CF9
UniRef90_A6TMA9 L T P E D E G L E E C R Q L G K K L V E
UniRef90_UPI000367EB8C I P G L R V K L I P T D E E L E A C R E F G L Q L A Q
UniRef90_UPI0002892F57 T T A H G P L P G P E T V A A A T F Q G D R L A R I T T R L R
UniRef90_E3GEQ4
UniRef90_A4SC25 D Q N M R V K F K P H E A E F E A C R E F G K A Y A E
UniRef90_R6RAE4 R E G V I A N E A P D E D A L E Q C R A L G R E L A S I

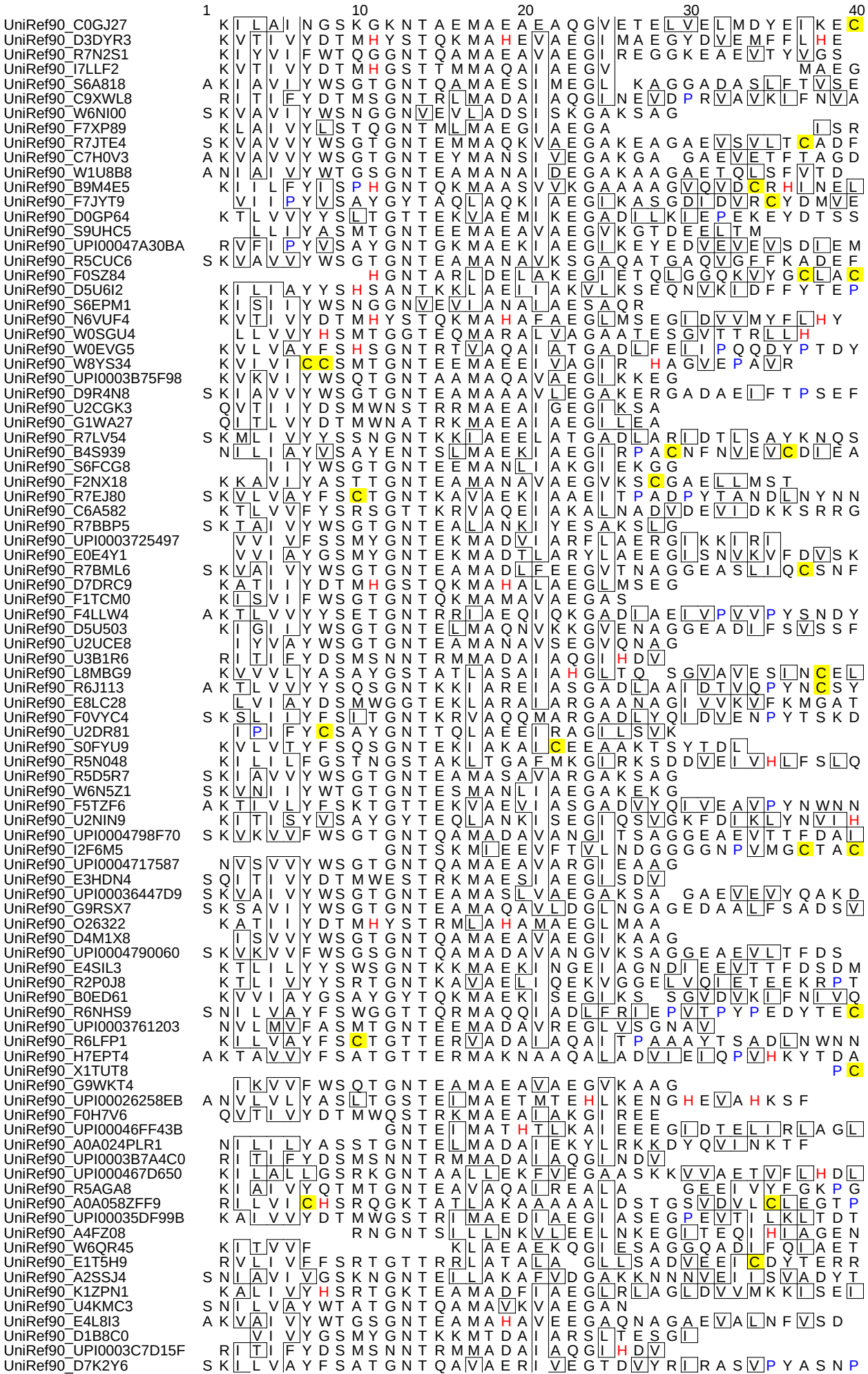

1
10
20
30
40
UniRef90_K7MCR3
UniRef90_UPI0003B58B35
UniRef90_K8EC62
UniRef90_F6D8C5
UniRef90_D5XA15
UniRef90_D6DHQ5
UniRef90_UPI00046E9847
UniRef90_Q46AU0
UniRef90_V2GNU2
UniRef90_R7QYJ3
UniRef90_B1A7S3
UniRef90_A0A011PFZ8
UniRef90_R6KZ27
UniRef90_F4GII3
UniRef90_E4L076
UniRef90_C4Z4A0
UniRef90_L8EED8
UniRef90_UPI0002890A32
UniRef90_UPI000375AA88
UniRef90_R6T3Z0
UniRef90_U2EI98
UniRef90_A4RTC3
UniRef90_C8PNW3
UniRef90_S7TPF8
UniRef90_T2JA87
UniRef90_R6UJ83
UniRef90_R6VYP4
UniRef90_UPI00036B767A
UniRef90_R7NM45
UniRef90_N1JNQ5
UniRef90_C4M4N2
UniRef90_D2RNP9
UniRef90_G2E6G5
UniRef90_K9RRA0
UniRef90_D4KUD2
UniRef90_R5LLA4
UniRef90_A9BG95
UniRef90_H7CV74
UniRef90_G8LYB3
UniRef90_T0IU33
UniRef90_C1MMZ9
UniRef90_R6QQQ9
UniRef90_R2STS4
UniRef90_F0TAT3
UniRef90_R6MV61
UniRef90_E3PV83
UniRef90_C2CKC7
UniRef90_D4M8Y5
UniRef90_F7Q1Z1
UniRef90_M5DYP8
UniRef90_A5I5L4
UniRef90_I4A9U1
UniRef90_R4KE62
UniRef90_U6EF50
UniRef90_X1IJM1
UniRef90_R5ELC1
UniRef90_N1ZF61
UniRef90_G9RTD6
UniRef90_UPI000467B408
UniRef90_R5J604
UniRef90_R5TS97
UniRef90_F8FCR6
UniRef90_UPI0003B46ABA
UniRef90_V7HYV5
UniRef90_E9SHR4
UniRef90_M8DZ25
UniRef90_D8R4M7
UniRef90_I5AX38
UniRef90_UPI000376C46F
UniRef90_D4W7B3
UniRef90_A0A011ANI1
UniRef90_UPI0002EEF8BF
UniRef90_UPI00037B3F99
UniRef90_V9VUI2
UniRef90_R6H5D7
UniRef90_R5PAH7
UniRef90_R5QTW2
UniRef90_C3WC84
UniRef90_R9TA64
UniRef90_R6VMU0
UniRef90_S4XPX9
UniRef90_UPI00016C0A3F
UniRef90_S2ZLV3
UniRef90_R7CD77
UniRef90_UPI00036137FA
UniRef90_G1WSV4
UniRef90_UPI00037CB4F4
UniRef90_O28752
UniRef90_C5VS48
UniRef90_B3E1N5
UniRef90_D6GSJ1
UniRef90_UPI000423A0B4

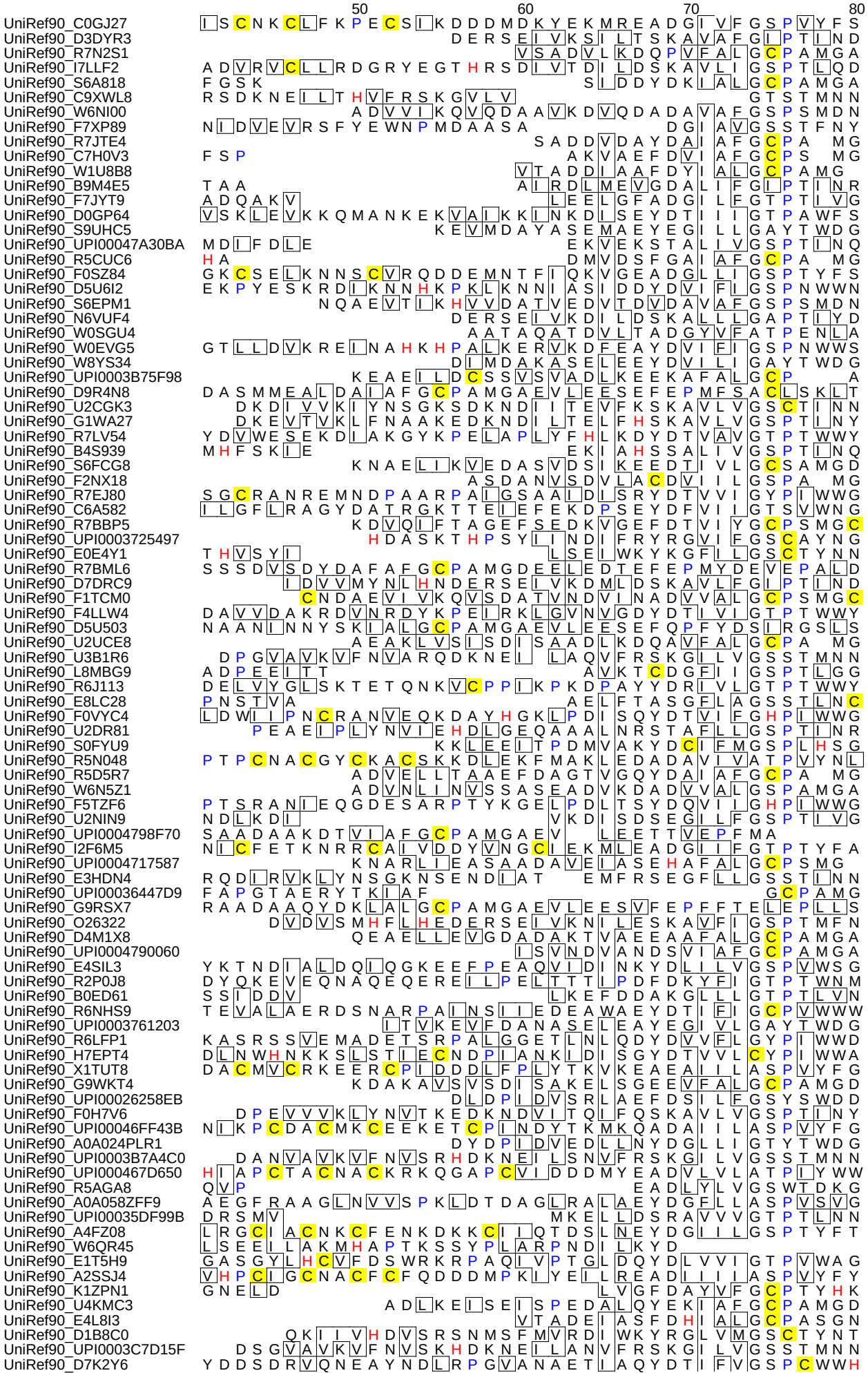

50
60
70
80
UniRef90_K7MCR3
UniRef90_UPI0003B58B35
UniRef90_K8EC62
UniRef90_F6D8C5
UniRef90_D5XA15
UniRef90_D6DHQ5
UniRef90_UPI00046E9847
UniRef90_Q46AU0
UniRef90_V2GNU2
UniRef90_R7QYJ3
UniRef90_B1A7S3
UniRef90_A0A011PFZ8
UniRef90_R6KZ27
UniRef90_F4GII3
UniRef90_E4L076
UniRef90_C4Z4A0
UniRef90_L8EED8
UniRef90_UPI0002890A32
UniRef90_UPI000375AA88
UniRef90_R6T3Z0
UniRef90_U2EI98
UniRef90_A4RTC3
UniRef90_C8PNW3
UniRef90_S7TPF8
UniRef90_T2JA87
UniRef90_R6UJ83
UniRef90_R6VYP4
UniRef90_UPI00036B767A
UniRef90_R7NM45
UniRef90_N1JNQ5
UniRef90_C4M4N2
UniRef90_D2RNP9
UniRef90_G2E6G5
UniRef90_K9RRA0
UniRef90_D4KUD2
UniRef90_R5LLA4
UniRef90_A9BG95
UniRef90_H7CV74
UniRef90_G8LYB3
UniRef90_T0IU33
UniRef90_C1MMZ9
UniRef90_R6QQQ9
UniRef90_R2STS4
UniRef90_F0TAT3
UniRef90_R6MV61
UniRef90_E3PV83
UniRef90_C2CKC7
UniRef90_D4M8Y5
UniRef90_F7Q1Z1
UniRef90_M5DYP8
UniRef90_A5I5L4
UniRef90_I4A9U1
UniRef90_R4KE62
UniRef90_U6EF50
UniRef90_X1IJM1
UniRef90_R5ELC1
UniRef90_N1ZF61
UniRef90_G9RTD6
UniRef90_UPI000467B408
UniRef90_R5J604
UniRef90_R5TS97
UniRef90_F8FCR6
UniRef90_UPI0003B46ABA
UniRef90_V7HYV5
UniRef90_E9SHR4
UniRef90_M8DZ25
UniRef90_D8R4M7
UniRef90_I5AX38
UniRef90_UPI000376C46F
UniRef90_D4W7B3
UniRef90_A0A011ANI1
UniRef90_UPI0002EEF8BF
UniRef90_UPI00037B3F99
UniRef90_V9VUI2
UniRef90_R6H5D7
UniRef90_R5PAH7
UniRef90_R5QTW2
UniRef90_C3WC84
UniRef90_R9TA64
UniRef90_R6VMU0
UniRef90_S4XPX9
UniRef90_UPI00016C0A3F
UniRef90_S2ZLV3
UniRef90_R7CD77
UniRef90_UPI00036137FA
UniRef90_G1WSV4
UniRef90_UPI00037CB4F4
UniRef90_O28752
UniRef90_C5VS48
UniRef90_B3E1N5
UniRef90_D6GSJ1
UniRef90_UPI000423A0B4

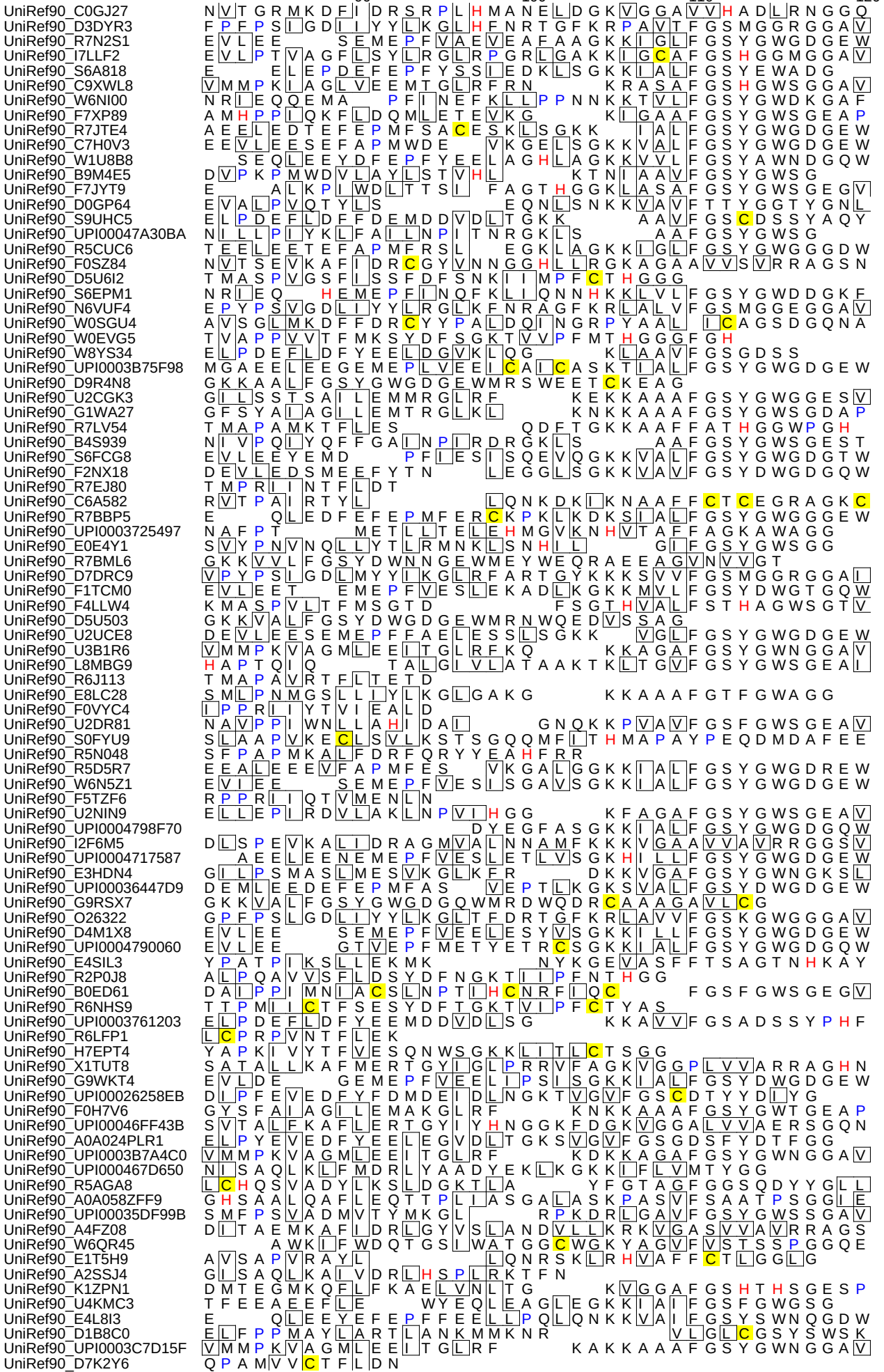

90
100
110
120
UniRef90_K7MCR3
UniRef90_UPI0003B58B35
UniRef90_K8EC62
UniRef90_F6D8C5
UniRef90_D5XA15
UniRef90_D6DHQ5
UniRef90_UPI00046E9847
UniRef90_Q46AU0
UniRef90_V2GNU2
UniRef90_R7QYJ3
UniRef90_B1A7S3
UniRef90_A0A011PFZ8
UniRef90_R6KZ27
UniRef90_F4GII3
UniRef90_E4L076
UniRef90_C4Z4A0
UniRef90_L8EED8
UniRef90_UPI0002890A32
UniRef90_UPI000375AA88
UniRef90_R6T3Z0
UniRef90_U2EI98
UniRef90_A4RTC3
UniRef90_C8PNW3
UniRef90_S7TPF8
UniRef90_T2JA87
UniRef90_R6UJ83
UniRef90_R6VYP4
UniRef90_UPI00036B767A
UniRef90_R7NM45
UniRef90_N1JNQ5
UniRef90_C4M4N2
UniRef90_D2RNP9
UniRef90_G2E6G5
UniRef90_K9RRA0
UniRef90_D4KUD2
UniRef90_R5LLA4
UniRef90_A9BG95
UniRef90_H7CV74
UniRef90_G8LYB3
UniRef90_T0IU33
UniRef90_C1MMZ9
UniRef90_R6QQQ9
UniRef90_R2STS4
UniRef90_F0TAT3
UniRef90_R6MV61
UniRef90_E3PV83
UniRef90_C2CKC7
UniRef90_D4M8Y5
UniRef90_F7Q1Z1
UniRef90_M5DYP8
UniRef90_A5I5L4
UniRef90_I4A9U1
UniRef90_R4KE62
UniRef90_U6EF50
UniRef90_X1IJM1
UniRef90_R5ELC1
UniRef90_N1ZF61
UniRef90_G9RTD6
UniRef90_UPI000467B408
UniRef90_R5J604
UniRef90_R5TS97
UniRef90_F8FCR6
UniRef90_UPI0003B46ABA
UniRef90_V7HYV5
UniRef90_E9SHR4
UniRef90_M8DZ25
UniRef90_D8R4M7
UniRef90_I5AX38
UniRef90_UPI000376C46F
UniRef90_D4W7B3
UniRef90_A0A011ANI1
UniRef90_UPI0002EEF8BF
UniRef90_UPI00037B3F99
UniRef90_V9VUI2
UniRef90_R6H5D7
UniRef90_R5PAH7
UniRef90_R5QTW2
UniRef90_C3WC84
UniRef90_R9TA64
UniRef90_R6VMU0
UniRef90_S4XPX9
UniRef90_UPI00016C0A3F
UniRef90_S2ZLV3
UniRef90_R7CD77
UniRef90_UPI00036137FA
UniRef90_G1WSV4
UniRef90_UPI00037CB4F4
UniRef90_O28752
UniRef90_C5VS48
UniRef90_B3E1N5
UniRef90_D6GSJ1
UniRef90_UPI000423A0B4

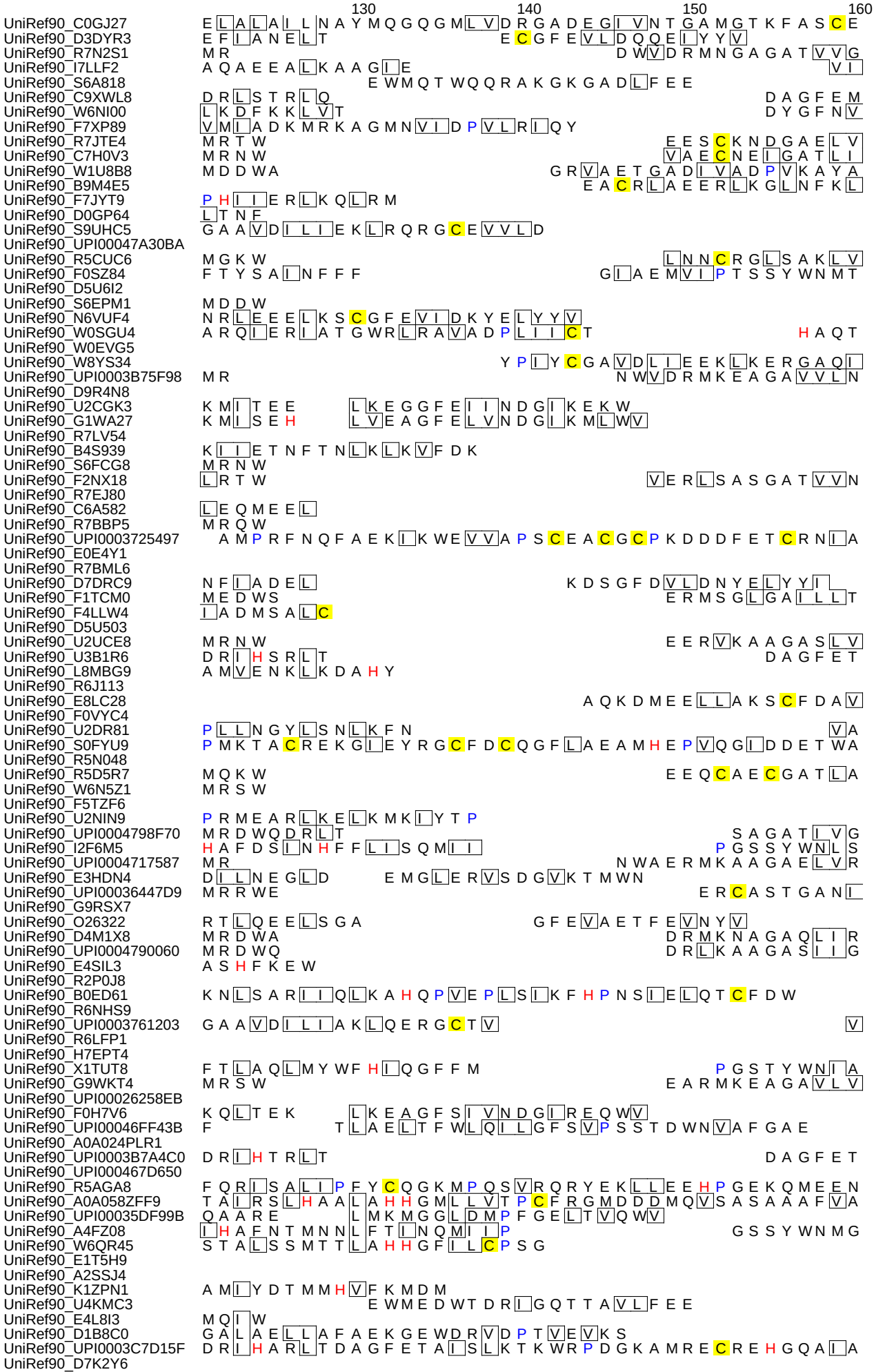

130
140
150
160
UniRef90_K7MCR3
UniRef90_UPI0003B58B35
UniRef90_K8EC62
UniRef90_F6D8C5
UniRef90_D5XA15
UniRef90_D6DHQ5
UniRef90_UPI00046E9847
UniRef90_Q46AU0
UniRef90_V2GNU2
UniRef90_R7QYJ3
UniRef90_B1A7S3
UniRef90_A0A011PFZ8
UniRef90_R6KZ27
UniRef90_F4GII3
UniRef90_E4L076
UniRef90_C4Z4A0
UniRef90_L8EED8
UniRef90_UPI0002890A32
UniRef90_UPI000375AA88
UniRef90_R6T3Z0
UniRef90_U2EI98
UniRef90_A4RTC3
UniRef90_C8PNW3
UniRef90_S7TPF8
UniRef90_T2JA87
UniRef90_R6UJ83
UniRef90_R6VYP4
UniRef90_UPI00036B767A
UniRef90_R7NM45
UniRef90_N1JNQ5
UniRef90_C4M4N2
UniRef90_D2RNP9
UniRef90_G2E6G5
UniRef90_K9RRA0
UniRef90_D4KUD2
UniRef90_R5LLA4
UniRef90_A9BG95
UniRef90_H7CV74
UniRef90_G8LYB3
UniRef90_T0IU33
UniRef90_C1MMZ9
UniRef90_R6QQQ9
UniRef90_R2STS4
UniRef90_F0TAT3
UniRef90_R6MV61
UniRef90_E3PV83
UniRef90_C2CKC7
UniRef90_D4M8Y5
UniRef90_F7Q1Z1
UniRef90_M5DYP8
UniRef90_A5I5L4
UniRef90_I4A9U1
UniRef90_R4KE62
UniRef90_U6EF50
UniRef90_X1IJM1
UniRef90_R5ELC1
UniRef90_N1ZF61
UniRef90_G9RTD6
UniRef90_UPI000467B408
UniRef90_R5J604
UniRef90_R5TS97
UniRef90_F8FCR6
UniRef90_UPI0003B46ABA
UniRef90_V7HYV5
UniRef90_E9SHR4
UniRef90_M8DZ25
UniRef90_D8R4M7
UniRef90_I5AX38
UniRef90_UPI000376C46F
UniRef90_D4W7B3
UniRef90_A0A011ANI1
UniRef90_UPI0002EEF8BF
UniRef90_UPI00037B3F99
UniRef90_V9VUI2
UniRef90_R6H5D7
UniRef90_R5PAH7
UniRef90_R5QTW2
UniRef90_C3WC84
UniRef90_R9TA64
UniRef90_R6VMU0
UniRef90_S4XPX9
UniRef90_UPI00016C0A3F
UniRef90_S2ZLV3
UniRef90_R7CD77
UniRef90_UPI00036137FA
UniRef90_G1WSV4
UniRef90_UPI00037CB4F4
UniRef90_O28752
UniRef90_C5VS48
UniRef90_B3E1N5
UniRef90_D6GSJ1
UniRef90_UPI000423A0B4

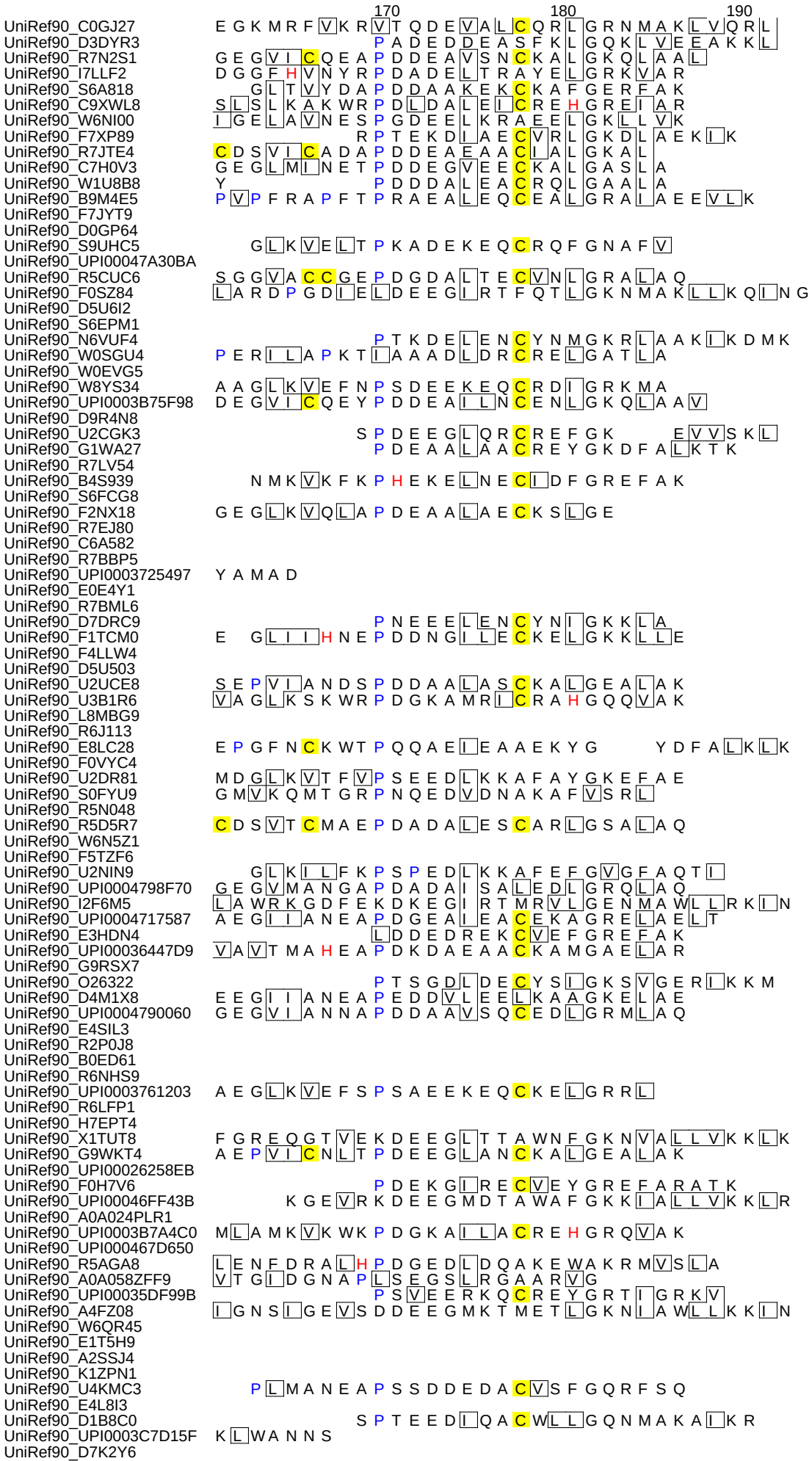

170
180
190
UniRef90_K7MCR3
UniRef90_UPI0003B58B35
UniRef90_K8EC62
UniRef90_F6D8C5
UniRef90_D5XA15
UniRef90_D6DHQ5
UniRef90_UPI00046E9847
UniRef90_Q46AU0
UniRef90_V2GNU2
UniRef90_R7QYJ3
UniRef90_B1A7S3
UniRef90_A0A011PFZ8
UniRef90_R6KZ27
UniRef90_F4GII3
UniRef90_E4L076
UniRef90_C4Z4A0
UniRef90_L8EED8
UniRef90_UPI0002890A32
UniRef90_UPI000375AA88
UniRef90_R6T3Z0
UniRef90_U2EI98
UniRef90_A4RTC3
UniRef90_C8PNW3
UniRef90_S7TPF8
UniRef90_T2JA87
UniRef90_R6UJ83
UniRef90_R6VYP4
UniRef90_UPI00036B767A
UniRef90_R7NM45
UniRef90_N1JNQ5
UniRef90_C4M4N2
UniRef90_D2RNP9
UniRef90_G2E6G5
UniRef90_K9RRA0
UniRef90_D4KUD2
UniRef90_R5LLA4
UniRef90_A9BG95
UniRef90_H7CV74
UniRef90_G8LYB3
UniRef90_T0IU33
UniRef90_C1MMZ9
UniRef90_R6QQQ9
UniRef90_R2STS4
UniRef90_F0TAT3
UniRef90_R6MV61
UniRef90_E3PV83
UniRef90_C2CKC7
UniRef90_D4M8Y5
UniRef90_F7Q1Z1
UniRef90_M5DYP8
UniRef90_A5I5L4
UniRef90_I4A9U1
UniRef90_R4KE62
UniRef90_U6EF50
UniRef90_X1IJM1
UniRef90_R5ELC1
UniRef90_N1ZF61
UniRef90_G9RTD6
UniRef90_UPI000467B408
UniRef90_R5J604
UniRef90_R5TS97
UniRef90_F8FCR6
UniRef90_UPI0003B46ABA
UniRef90_V7HYV5
UniRef90_E9SHR4
UniRef90_M8DZ25
UniRef90_D8R4M7
UniRef90_I5AX38
UniRef90_UPI000376C46F
UniRef90_D4W7B3
UniRef90_A0A011ANI1
UniRef90_UPI0002EEF8BF
UniRef90_UPI00037B3F99
UniRef90_V9VUI2
UniRef90_R6H5D7
UniRef90_R5PAH7
UniRef90_R5QTW2
UniRef90_C3WC84
UniRef90_R9TA64
UniRef90_R6VMU0
UniRef90_S4XPX9
UniRef90_UPI00016C0A3F
UniRef90_S2ZLV3
UniRef90_R7CD77
UniRef90_UPI00036137FA
UniRef90_G1WSV4
UniRef90_UPI00037CB4F4
UniRef90_O28752
UniRef90_C5VS48
UniRef90_B3E1N5
UniRef90_D6GSJ1
UniRef90_UPI000423A0B4

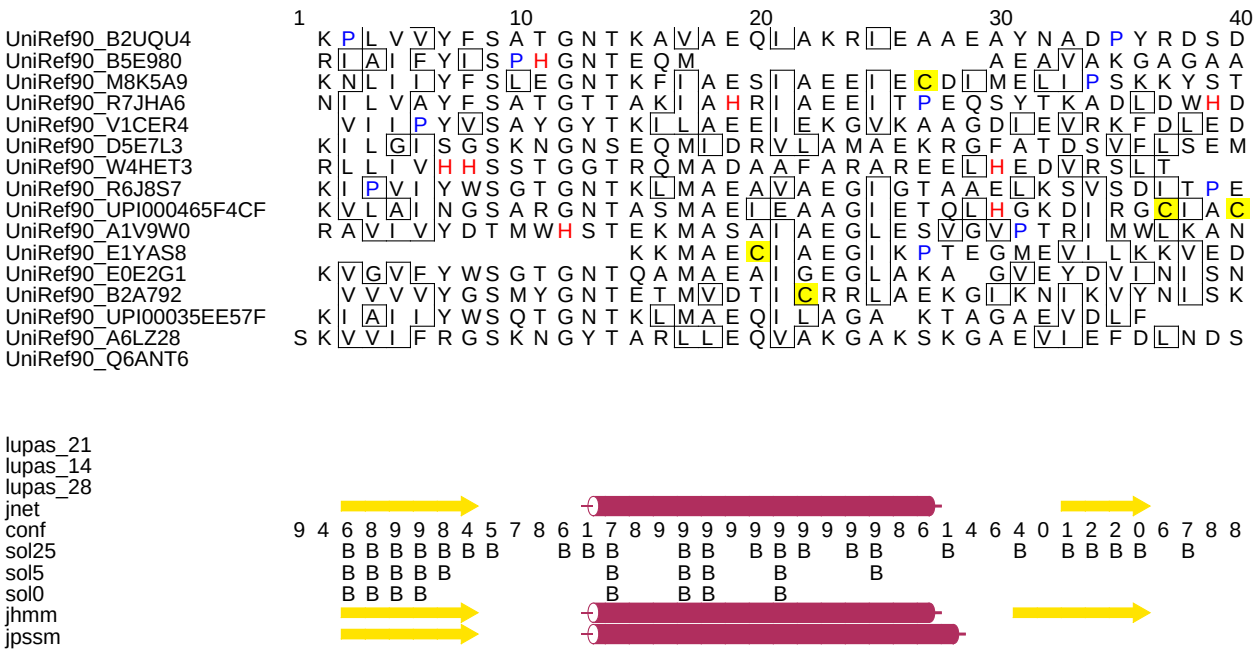

1
10
20
30
40
UniRef90_C0GJ27
UniRef90_D3DYR3
UniRef90_R7N2S1
UniRef90_I7LLF2
UniRef90_S6A818
UniRef90_C9XWL8
UniRef90_W6NI00
UniRef90_F7XP89
UniRef90_R7JTE4
UniRef90_C7H0V3
UniRef90_W1U8B8
UniRef90_B9M4E5
UniRef90_F7JYT9
UniRef90_D0GP64
UniRef90_S9UHC5
UniRef90_UPI00047A30BA
UniRef90_R5CUC6
UniRef90_F0SZ84
UniRef90_D5U6I2
UniRef90_S6EPM1
UniRef90_N6VUF4
UniRef90_W0SGU4
UniRef90_W0EVG5
UniRef90_W8YS34
UniRef90_UPI0003B75F98
UniRef90_D9R4N8
UniRef90_U2CGK3
UniRef90_G1WA27
UniRef90_R7LV54
UniRef90_B4S939
UniRef90_S6FCG8
UniRef90_F2NX18
UniRef90_R7EJ80
UniRef90_C6A582
UniRef90_R7BBP5
UniRef90_UPI0003725497
UniRef90_E0E4Y1
UniRef90_R7BML6
UniRef90_D7DRC9
UniRef90_F1TCM0
UniRef90_F4LLW4
UniRef90_D5U503
UniRef90_U2UCE8
UniRef90_U3B1R6
UniRef90_L8MBG9
UniRef90_R6J113
UniRef90_E8LC28
UniRef90_F0VYC4
UniRef90_U2DR81
UniRef90_S0FYU9
UniRef90_R5N048
UniRef90_R5D5R7
UniRef90_W6N5Z1
UniRef90_F5TZF6
UniRef90_U2NIN9
UniRef90_UPI0004798F70
UniRef90_I2F6M5
UniRef90_UPI0004717587
UniRef90_E3HDN4
UniRef90_UPI00036447D9
UniRef90_G9RSX7
UniRef90_O26322
UniRef90_D4M1X8
UniRef90_UPI0004790060
UniRef90_E4SIL3
UniRef90_R2P0J8
UniRef90_B0ED61
UniRef90_R6NHS9
UniRef90_UPI0003761203
UniRef90_R6LFP1
UniRef90_H7EPT4
UniRef90_X1TUT8
UniRef90_G9WKT4
UniRef90_UPI00026258EB
UniRef90_F0H7V6
UniRef90_UPI00046FF43B
UniRef90_A0A024PLR1
UniRef90_UPI0003B7A4C0
UniRef90_UPI000467D650
UniRef90_R5AGA8
UniRef90_A0A058ZFF9
UniRef90_UPI00035DF99B
UniRef90_A4FZ08
UniRef90_W6QR45
UniRef90_E1T5H9
UniRef90_A2SSJ4
UniRef90_K1ZPN1
UniRef90_U4KMC3
UniRef90_E4L8I3
UniRef90_D1B8C0
UniRef90_UPI0003C7D15F
UniRef90_D7K2Y6

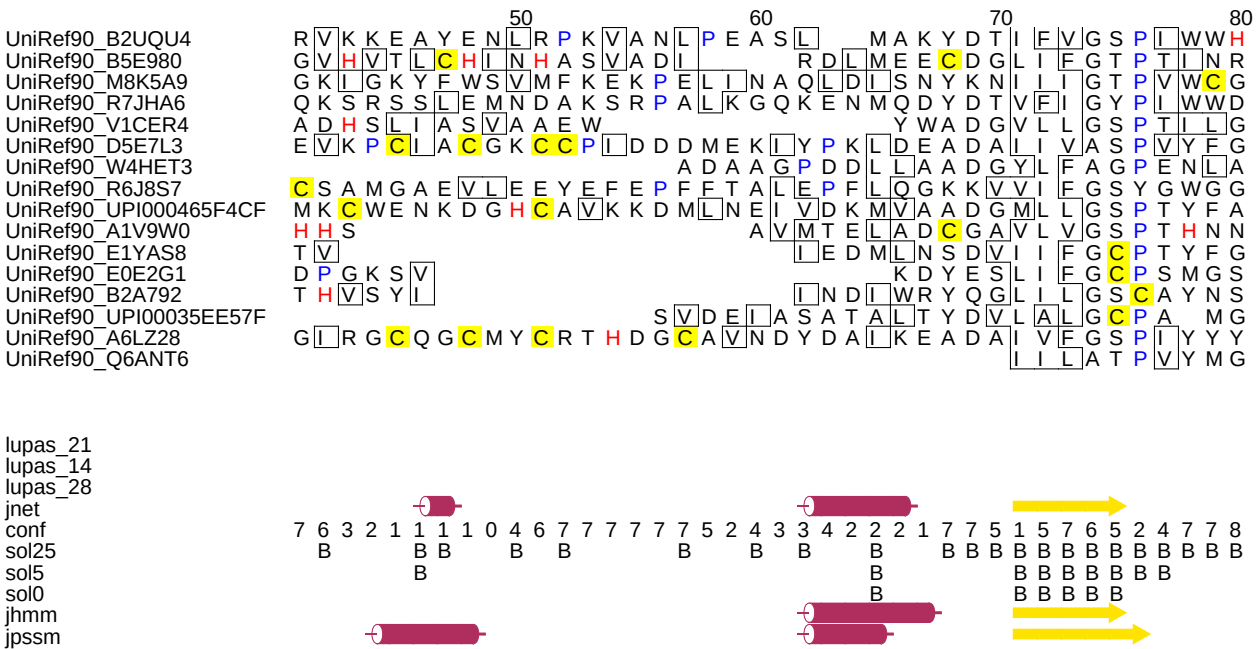

50
60
70
80
UniRef90_C0GJ27
UniRef90_D3DYR3
UniRef90_R7N2S1
UniRef90_I7LLF2
UniRef90_S6A818
UniRef90_C9XWL8
UniRef90_W6NI00
UniRef90_F7XP89
UniRef90_R7JTE4
UniRef90_C7H0V3
UniRef90_W1U8B8
UniRef90_B9M4E5
UniRef90_F7JYT9
UniRef90_D0GP64
UniRef90_S9UHC5
UniRef90_UPI00047A30BA
UniRef90_R5CUC6
UniRef90_F0SZ84
UniRef90_D5U6I2
UniRef90_S6EPM1
UniRef90_N6VUF4
UniRef90_W0SGU4
UniRef90_W0EVG5
UniRef90_W8YS34
UniRef90_UPI0003B75F98
UniRef90_D9R4N8
UniRef90_U2CGK3
UniRef90_G1WA27
UniRef90_R7LV54
UniRef90_B4S939
UniRef90_S6FCG8
UniRef90_F2NX18
UniRef90_R7EJ80
UniRef90_C6A582
UniRef90_R7BBP5
UniRef90_UPI0003725497
UniRef90_E0E4Y1
UniRef90_R7BML6
UniRef90_D7DRC9
UniRef90_F1TCM0
UniRef90_F4LLW4
UniRef90_D5U503
UniRef90_U2UCE8
UniRef90_U3B1R6
UniRef90_L8MBG9
UniRef90_R6J113
UniRef90_E8LC28
UniRef90_F0VYC4
UniRef90_U2DR81
UniRef90_S0FYU9
UniRef90_R5N048
UniRef90_R5D5R7
UniRef90_W6N5Z1
UniRef90_F5TZF6
UniRef90_U2NIN9
UniRef90_UPI0004798F70
UniRef90_I2F6M5
UniRef90_UPI0004717587
UniRef90_E3HDN4
UniRef90_UPI00036447D9
UniRef90_G9RSX7
UniRef90_O26322
UniRef90_D4M1X8
UniRef90_UPI0004790060
UniRef90_E4SIL3
UniRef90_R2P0J8
UniRef90_B0ED61
UniRef90_R6NHS9
UniRef90_UPI0003761203
UniRef90_R6LFP1
UniRef90_H7EPT4
UniRef90_X1TUT8
UniRef90_G9WKT4
UniRef90_UPI00026258EB
UniRef90_F0H7V6
UniRef90_UPI00046FF43B
UniRef90_A0A024PLR1
UniRef90_UPI0003B7A4C0
UniRef90_UPI000467D650
UniRef90_R5AGA8
UniRef90_A0A058ZFF9
UniRef90_UPI00035DF99B
UniRef90_A4FZ08
UniRef90_W6QR45
UniRef90_E1T5H9
UniRef90_A2SSJ4
UniRef90_K1ZPN1
UniRef90_U4KMC3
UniRef90_E4L8I3
UniRef90_D1B8C0
UniRef90_UPI0003C7D15F
UniRef90_D7K2Y6

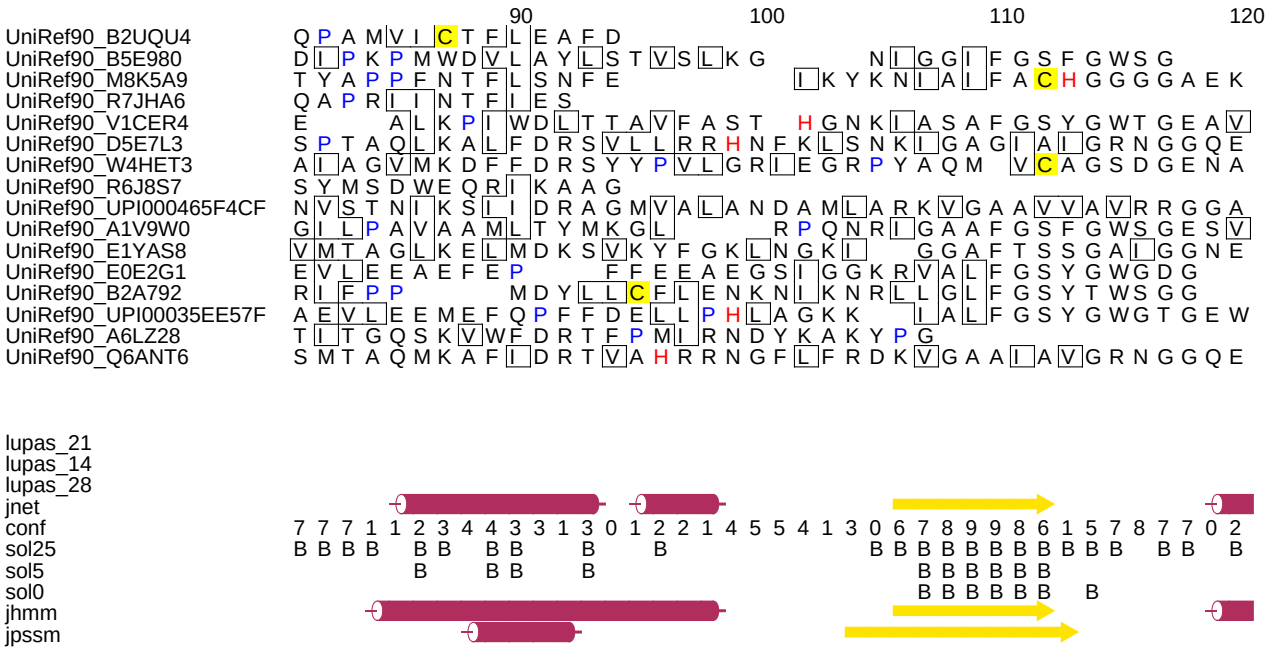

90
100
110
120
UniRef90_C0GJ27
UniRef90_D3DYR3
UniRef90_R7N2S1
UniRef90_I7LLF2
UniRef90_S6A818
UniRef90_C9XWL8
UniRef90_W6NI00
UniRef90_F7XP89
UniRef90_R7JTE4
UniRef90_C7H0V3
UniRef90_W1U8B8
UniRef90_B9M4E5
UniRef90_F7JYT9
UniRef90_D0GP64
UniRef90_S9UHC5
UniRef90_UPI00047A30BA
UniRef90_R5CUC6
UniRef90_F0SZ84
UniRef90_D5U6I2
UniRef90_S6EPM1
UniRef90_N6VUF4
UniRef90_W0SGU4
UniRef90_W0EVG5
UniRef90_W8YS34
UniRef90_UPI0003B75F98
UniRef90_D9R4N8
UniRef90_U2CGK3
UniRef90_G1WA27
UniRef90_R7LV54
UniRef90_B4S939
UniRef90_S6FCG8
UniRef90_F2NX18
UniRef90_R7EJ80
UniRef90_C6A582
UniRef90_R7BBP5
UniRef90_UPI0003725497
UniRef90_E0E4Y1
UniRef90_R7BML6
UniRef90_D7DRC9
UniRef90_F1TCM0
UniRef90_F4LLW4
UniRef90_D5U503
UniRef90_U2UCE8
UniRef90_U3B1R6
UniRef90_L8MBG9
UniRef90_R6J113
UniRef90_E8LC28
UniRef90_F0VYC4
UniRef90_U2DR81
UniRef90_S0FYU9
UniRef90_R5N048
UniRef90_R5D5R7
UniRef90_W6N5Z1
UniRef90_F5TZF6
UniRef90_U2NIN9
UniRef90_UPI0004798F70
UniRef90_I2F6M5
UniRef90_UPI0004717587
UniRef90_E3HDN4
UniRef90_UPI00036447D9
UniRef90_G9RSX7
UniRef90_O26322
UniRef90_D4M1X8
UniRef90_UPI0004790060
UniRef90_E4SIL3
UniRef90_R2P0J8
UniRef90_B0ED61
UniRef90_R6NHS9
UniRef90_UPI0003761203
UniRef90_R6LFP1
UniRef90_H7EPT4
UniRef90_X1TUT8
UniRef90_G9WKT4
UniRef90_UPI00026258EB
UniRef90_F0H7V6
UniRef90_UPI00046FF43B
UniRef90_A0A024PLR1
UniRef90_UPI0003B7A4C0
UniRef90_UPI000467D650
UniRef90_R5AGA8
UniRef90_A0A058ZFF9
UniRef90_UPI00035DF99B
UniRef90_A4FZ08
UniRef90_W6QR45
UniRef90_E1T5H9
UniRef90_A2SSJ4
UniRef90_K1ZPN1
UniRef90_U4KMC3
UniRef90_E4L8I3
UniRef90_D1B8C0
UniRef90_UPI0003C7D15F
UniRef90_D7K2Y6

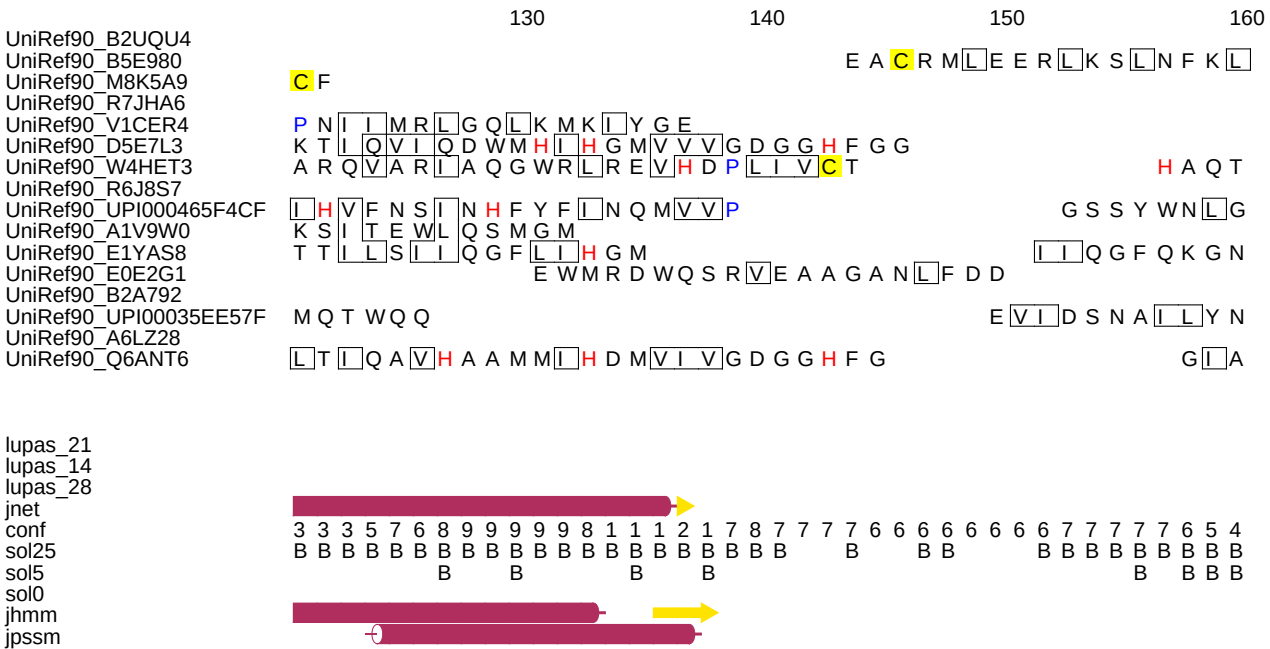

130
140
150
160
UniRef90_C0GJ27
UniRef90_D3DYR3
UniRef90_R7N2S1
UniRef90_I7LLF2
UniRef90_S6A818
UniRef90_C9XWL8
UniRef90_W6NI00
UniRef90_F7XP89
UniRef90_R7JTE4
UniRef90_C7H0V3
UniRef90_W1U8B8
UniRef90_B9M4E5
UniRef90_F7JYT9
UniRef90_D0GP64
UniRef90_S9UHC5
UniRef90_UPI00047A30BA
UniRef90_R5CUC6
UniRef90_F0SZ84
UniRef90_D5U6I2
UniRef90_S6EPM1
UniRef90_N6VUF4
UniRef90_W0SGU4
UniRef90_W0EVG5
UniRef90_W8YS34
UniRef90_UPI0003B75F98
UniRef90_D9R4N8
UniRef90_U2CGK3
UniRef90_G1WA27
UniRef90_R7LV54
UniRef90_B4S939
UniRef90_S6FCG8
UniRef90_F2NX18
UniRef90_R7EJ80
UniRef90_C6A582
UniRef90_R7BBP5
UniRef90_UPI0003725497
UniRef90_E0E4Y1
UniRef90_R7BML6
UniRef90_D7DRC9
UniRef90_F1TCM0
UniRef90_F4LLW4
UniRef90_D5U503
UniRef90_U2UCE8
UniRef90_U3B1R6
UniRef90_L8MBG9
UniRef90_R6J113
UniRef90_E8LC28
UniRef90_F0VYC4
UniRef90_U2DR81
UniRef90_S0FYU9
UniRef90_R5N048
UniRef90_R5D5R7
UniRef90_W6N5Z1
UniRef90_F5TZF6
UniRef90_U2NIN9
UniRef90_UPI0004798F70
UniRef90_I2F6M5
UniRef90_UPI0004717587
UniRef90_E3HDN4
UniRef90_UPI00036447D9
UniRef90_G9RSX7
UniRef90_O26322
UniRef90_D4M1X8
UniRef90_UPI0004790060
UniRef90_E4SIL3
UniRef90_R2P0J8
UniRef90_B0ED61
UniRef90_R6NHS9
UniRef90_UPI0003761203
UniRef90_R6LFP1
UniRef90_H7EPT4
UniRef90_X1TUT8
UniRef90_G9WKT4
UniRef90_UPI00026258EB
UniRef90_F0H7V6
UniRef90_UPI00046FF43B
UniRef90_A0A024PLR1
UniRef90_UPI0003B7A4C0
UniRef90_UPI000467D650
UniRef90_R5AGA8
UniRef90_A0A058ZFF9
UniRef90_UPI00035DF99B
UniRef90_A4FZ08
UniRef90_W6QR45
UniRef90_E1T5H9
UniRef90_A2SSJ4
UniRef90_K1ZPN1
UniRef90_U4KMC3
UniRef90_E4L8I3
UniRef90_D1B8C0
UniRef90_UPI0003C7D15F
UniRef90_D7K2Y6

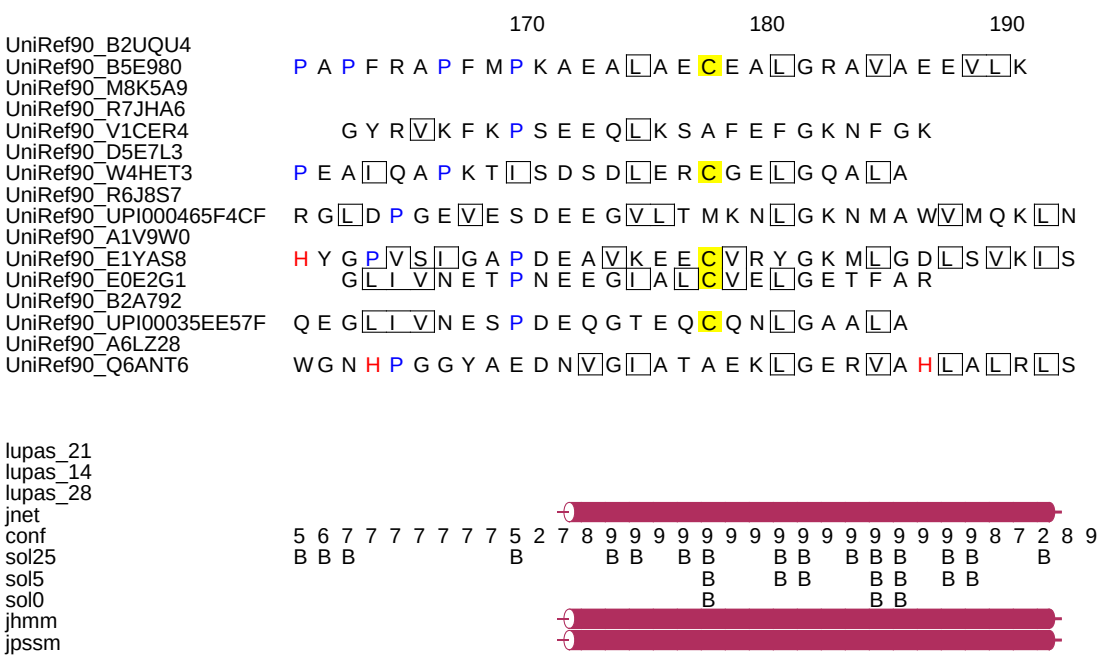

170
180
190
UniRef90_C0GJ27 E G K M R F V K R V T Q D E V A L C Q R L G R N M A K L V Q R L
UniRef90_D3DYR3 P A D E D D E A S F K L G Q K L V E E A K K L
UniRef90_R7N2S1 G E G V I C Q E A P D D E A V S N C K A L G K Q L A A L
UniRef90_I7LLF2 D G G F H V N Y R P D A D E L T R A Y E L G R K V A R
UniRef90_S6A818 G L T V Y D A P D D A A K E K C K A F G E R F A K
UniRef90_C9XWL8 S L S L K A K W R P D L D A L E I C R E H G R E I A R
UniRef90_W6NI00 I G E L A V N E S P G D E E L K R A E E L G K L L V K
UniRef90_F7XP89 R P T E K D I A E C V R L G K D L A E K I K
UniRef90_R7JTE4 C D S V I C A D A P D D E A E A A C I A L G K A L
UniRef90_C7H0V3 G E G L M I N E T P D D E G V E E C K A L G A S L A
UniRef90_W1U8B8 Y P D D D A L E A C R Q L G A A L A
UniRef90_B9M4E5 P V P F R A P F T P R A E A L E Q C E A L G R A I A E E V L K
UniRef90_F7JYT9
UniRef90_D0GP64
UniRef90_S9UHC5 G L K V E L T P K A D E K E Q C R Q F G N A F V
UniRef90_UPI00047A30BA
UniRef90_R5CUC6 S G G V A C C G E P D G D A L T E C V N L G R A L A Q
UniRef90_F0SZ84 L A R D P G D I E L D E E G I R T F Q T L G K N M A K L L K Q I N G
UniRef90_D5U6I2
UniRef90_S6EPM1
UniRef90_N6VUF4 P T K D E L E N C Y N M G K R L A A K I K D M K
UniRef90_W0SGU4 P E R I L A P K T I A A A D L D R C R E L G A T L A
UniRef90_W0EVG5
UniRef90_W8YS34 A A G L K V E F N P S D E E K E Q C R D I G R K M A
UniRef90_UPI0003B75F98 D E G V I C Q E Y P D D E A I L N C E N L G K Q L A A V
UniRef90_D9R4N8
UniRef90_U2CGK3 S P D E E G L Q R C R E F G K E V V S K L
UniRef90_G1WA27 P D E A A L A A C R E Y G K D F A L K T K
UniRef90_R7LV54
UniRef90_B4S939 N M K V K F K P H E K E L N E C I D F G R E F A K
UniRef90_S6FCG8
UniRef90_F2NX18 G E G L K V Q L A P D E A A L A E C K S L G E
UniRef90_R7EJ80
UniRef90_C6A582
UniRef90_R7BBP5
UniRef90_UPI0003725497 Y A M A D
UniRef90_E0E4Y1
UniRef90_R7BML6
UniRef90_D7DRC9 P N E E E L E N C Y N I G K K L A
UniRef90_F1TCM0 E G L I I H N E P D D N G I L E C K E L G K K L L E
UniRef90_F4LLW4
UniRef90_D5U503
UniRef90_U2UCE8 S E P V I A N D S P D D A A L A S C K A L G E A L A K
UniRef90_U3B1R6 V A G L K S K W R P D G K A M R I C R A H G Q Q V A K
UniRef90_L8MBG9
UniRef90_R6J113
UniRef90_E8LC28 E P G F N C K W T P Q Q A E I E A A E K Y G Y D F A L K L K
UniRef90_F0VYC4
UniRef90_U2DR81 M D G L K V T F V P S E E D L K K A F A Y G K E F A E
UniRef90_S0FYU9 G M V K Q M T G R P N Q E D V D N A K A F V S R L
UniRef90_R5N048
UniRef90_R5D5R7 C D S V T C M A E P D A D A L E S C A R L G S A L A Q
UniRef90_W6N5Z1
UniRef90_F5TZF6
UniRef90_U2NIN9 G L K I L F K P S P E D L K K A F E F G V G F A Q T I
UniRef90_UPI0004798F70 G E G V M A N G A P D A D A I S A L E D L G R Q L A Q
UniRef90_I2F6M5 L A W R K G D F E K D K E G I R T M R V L G E N M A W L L R K I N
UniRef90_UPI0004717587 A E G I I A N E A P D G E A I E A C E K A G R E L A E L T
UniRef90_E3HDN4 L D D E D R E K C V E F G R E F A K
UniRef90_UPI00036447D9 V A V T M A H E A P D K D A E A A C K A M G A E L A R
UniRef90_G9RSX7
UniRef90_O26322 P T S G D L D E C Y S I G K S V G E R I K K M
UniRef90_D4M1X8 E E G I I A N E A P E D D V L E E L K A A G K E L A E
UniRef90_UPI0004790060 G E G V I A N N A P D D A A V S Q C E D L G R M L A Q
UniRef90_E4SIL3
UniRef90_R2P0J8
UniRef90_B0ED61
UniRef90_R6NHS9
UniRef90_UPI0003761203 A E G L K V E F S P S A E E K E Q C K E L G R R L
UniRef90_R6LFP1
UniRef90_H7EPT4
UniRef90_X1TUT8 F G R E Q G T V E K D E E G L T T A W N F G K N V A L L V K K L K
UniRef90_G9WKT4 A E P V I C N L T P D E E G L A N C K A L G E A L A K
UniRef90_UPI00026258EB
UniRef90_F0H7V6 P D E K G I R E C V E Y G R E F A R A T K
UniRef90_UPI00046FF43B K G E V R K D E E G M D T A W A F G K K I A L L V K K L R
UniRef90_A0A024PLR1
UniRef90_UPI0003B7A4C0 M L A M K V K W K P D G K A I L A C R E H G R Q V A K
UniRef90_UPI000467D650
UniRef90_R5AGA8 L E N F D R A L H P D G E D L D Q A K E W A K R M V S L A
UniRef90_A0A058ZFF9 V T G I D G N A P L S E G S L R G A A R V G
UniRef90_UPI00035DF99B P S V E E R K Q C R E Y G R T I G R K V
UniRef90_A4FZ08 I G N S I G E V S D D E E G M K T M E T L G K N I A W L L K K I N
UniRef90_W6QR45
UniRef90_E1T5H9
UniRef90_A2SSJ4
UniRef90_K1ZPN1
UniRef90_U4KMC3 P L M A N E A P S S D D E D A C V S F G Q R F S Q
UniRef90_E4L8I3
UniRef90_D1B8C0 S P T E E D I Q A C W L L G Q N M A K A I K R
UniRef90_UPI0003C7D15F K L W A N N S
UniRef90_D7K2Y6


1 10 20 30 40
UniRef90_B2UQU4 K P L V V Y F S A T G N T K A V A E Q I A K R I E A A E A Y N A D P Y R D S D
UniRef90_B5E980 R I A I F Y I S P H G N T E Q M A E A V A K G A G A A
UniRef90_M8K5A9 K N L I I Y F S L E G N T K F I A E S I A E E I E C D I M E L I P S K K Y S T
UniRef90_R7JHA6 N I L V A Y F S A T G T T A K I A H R I A E E I T P E Q S Y T K A D L D W H D
UniRef90_V1CER4 V I I P Y V S A Y G Y T K I L A E E I E K G V K A A G D I E V R K F D L E D
UniRef90_D5E7L3 K I L G I S G S K N G N S E Q M I D R V L A M A E K R G F A T D S V F L S E M
UniRef90_W4HET3 R L L I V H H S S T G G T R Q M A D A A F A R A R E E L H E D V R S L T
UniRef90_R6J8S7 K I P V I Y W S G T G N T K L M A E A V A E G I G T A A E L K S V S D I T P E
UniRef90_UPI000465F4CF K V L A I N G S A R G N T A S M A E I E A A G I E T Q L H G K D I R G C I A C
UniRef90_A1V9W0 R A V I V Y D T M W H S T E K M A S A I A E G L E S V G V P T R I M W L K A N
UniRef90_E1YAS8 K K M A E C I A E G I K P T E G M E V I L K K V E D
UniRef90_E0E2G1 K V G V F Y W S G T G N T Q A M A E A I G E G L A K A G V E Y D V I N I S N
UniRef90_B2A792 V V V V Y G S M Y G N T E T M V D T I C R R L A E K G I K N I K V Y N I S K
UniRef90_UPI00035EE57F K I A I I Y W S Q T G N T K L M A E Q I L A G A K T A G A E V D L F
UniRef90_A6LZ28 S K V V I F R G S K N G Y T A R L L E Q V A K G A K S K G A E V I E F D L N D S
UniRef90_Q6ANT6
lupas_21
lupas_14
lupas_28
jnet
conf 9 4 6 8 9 9 8 4 5 7 8 6 1 7 8 9 9 9 9 9 9 9 9 9 8 6 1 4 6 4 0 1 2 2 0 6 7 8 8
sol25 B B B


50
60
70
80
UniRef90_B2UQU4
UniRef90_B5E980
UniRef90_M8K5A9
UniRef90_R7JHA6
UniRef90_V1CER4
UniRef90_D5E7L3
UniRef90_W4HET3
UniRef90_R6J8S7
UniRef90_UPI000465F4CF
UniRef90_A1V9W0
UniRef90_E1YAS8
UniRef90_E0E2G1
UniRef90_B2A792
UniRef90_UPI00035EE57F
UniRef90_A6LZ28
UniRef90_Q6ANT6
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


90
100
110
120
UniRef90_B2UQU4
UniRef90_B5E980
UniRef90_M8K5A9
UniRef90_R7JHA6
UniRef90_V1CER4
UniRef90_D5E7L3
UniRef90_W4HET3
UniRef90_R6J8S7
UniRef90_UPI000465F4CF
UniRef90_A1V9W0
UniRef90_E1YAS8
UniRef90_E0E2G1
UniRef90_B2A792
UniRef90_UPI00035EE57F
UniRef90_A6LZ28
UniRef90_Q6ANT6
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


130
140
150
160
UniRef90_B2UQU4
UniRef90_B5E980
UniRef90_M8K5A9
UniRef90_R7JHA6
UniRef90_V1CER4
UniRef90_D5E7L3
UniRef90_W4HET3
UniRef90_R6J8S7
UniRef90_UPI000465F4CF
UniRef90_A1V9W0
UniRef90_E1YAS8
UniRef90_E0E2G1
UniRef90_B2A792
UniRef90_UPI00035EE57F
UniRef90_A6LZ28
UniRef90_Q6ANT6
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


170
180
190
UniRef90_B2UQU4
UniRef90_B5E980 P A P F R A P F M P K A E A L A E C E A L G R A V A E E V L K
UniRef90_M8K5A9
UniRef90_R7JHA6
UniRef90_V1CER4 G Y R V K F K P S E E Q L K S A F E F G K N F G K
UniRef90_D5E7L3
UniRef90_W4HET3 P E A I Q A P K T I S D S D L E R C G E L G Q A L A
UniRef90_R6J8S7
UniRef90_UPI000465F4CF R G L D P G E V E S D E E G V L T M K N L G K N M A W V M Q K L N
UniRef90_A1V9W0
UniRef90_E1YAS8 H Y G P V S I G A P D E A V K E E C V R Y G K M L G D L S V K I S
UniRef90_E0E2G1 G L I V N E T P N E E G I A L C V E L G E T F A R
UniRef90_B2A792
UniRef90_UPI00035EE57F Q E G L I V N E S P D E Q G T E Q C Q N L G A A L A
UniRef90_A6LZ28
UniRef90_Q6ANT6 W G N H P G G Y A E D N V G I A T A E K L G E R V A H L A L R L S
lupas_21
lupas_14
lupas_28
jnet
conf 5 6 7 7 7 7 7 7 7 5 2 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 8 7 2 8 9
sol25 B B B B B B B B B B B B B B
sol5 B B B B B B B
sol0 B B B
jhmm
jpssm