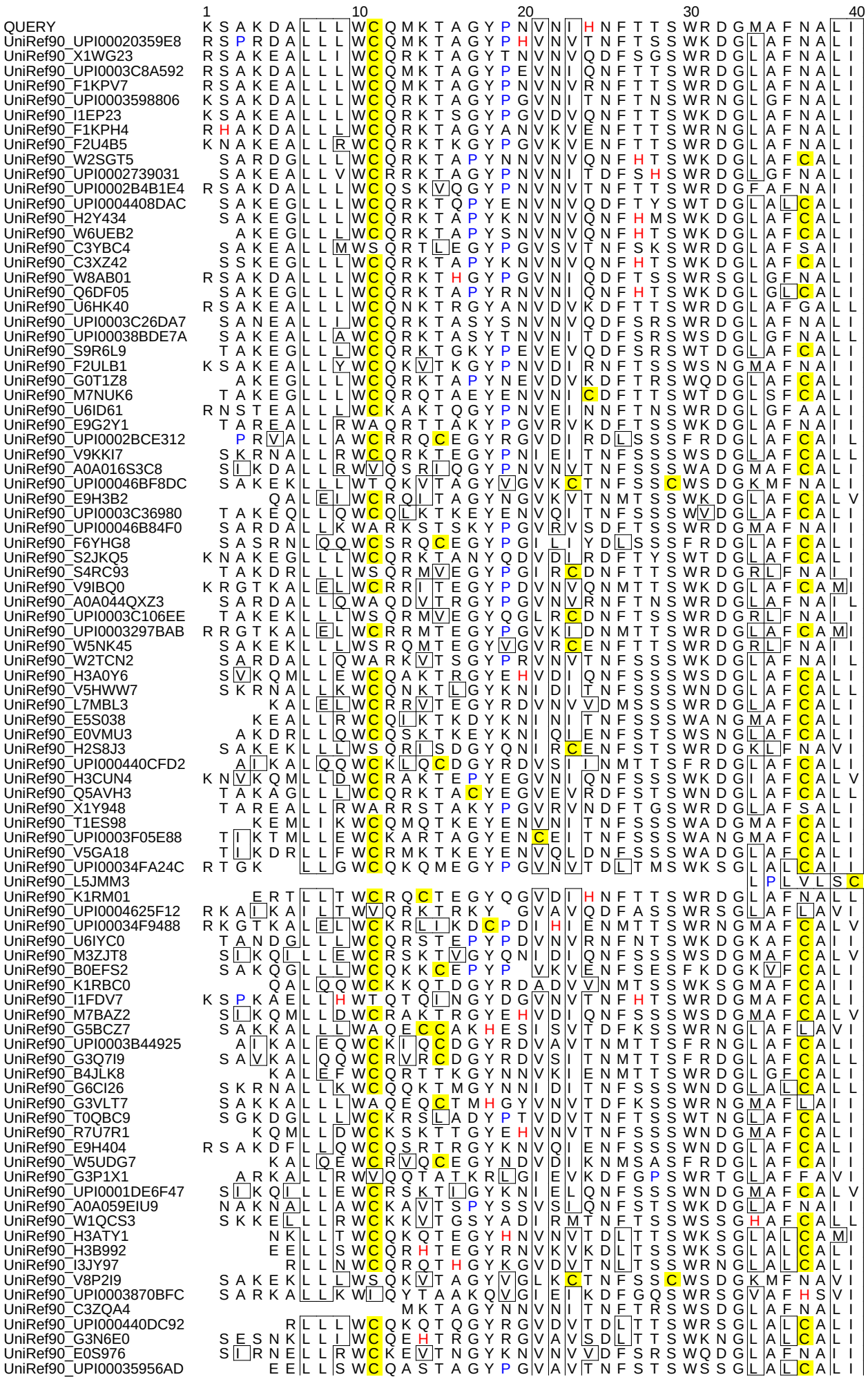
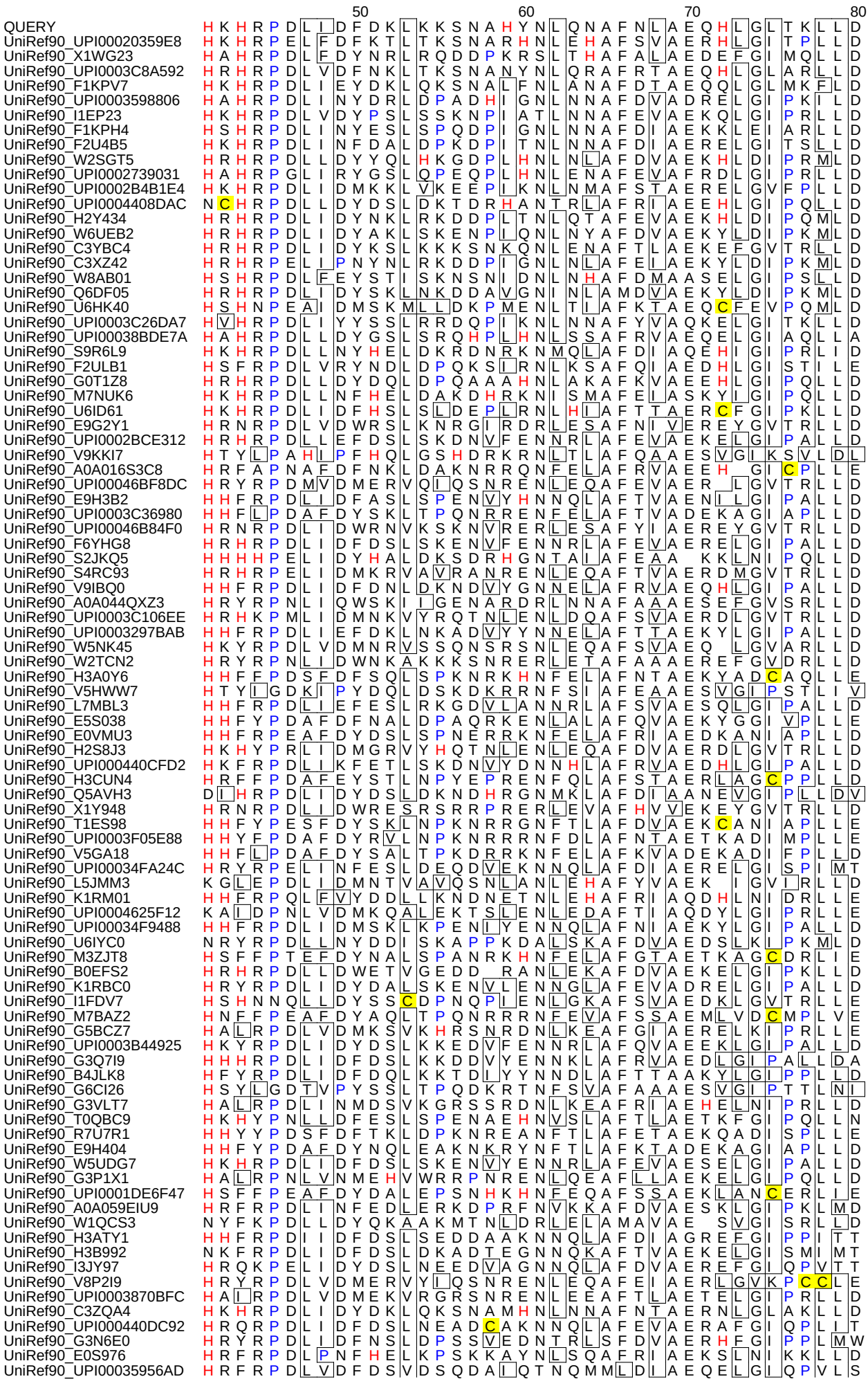
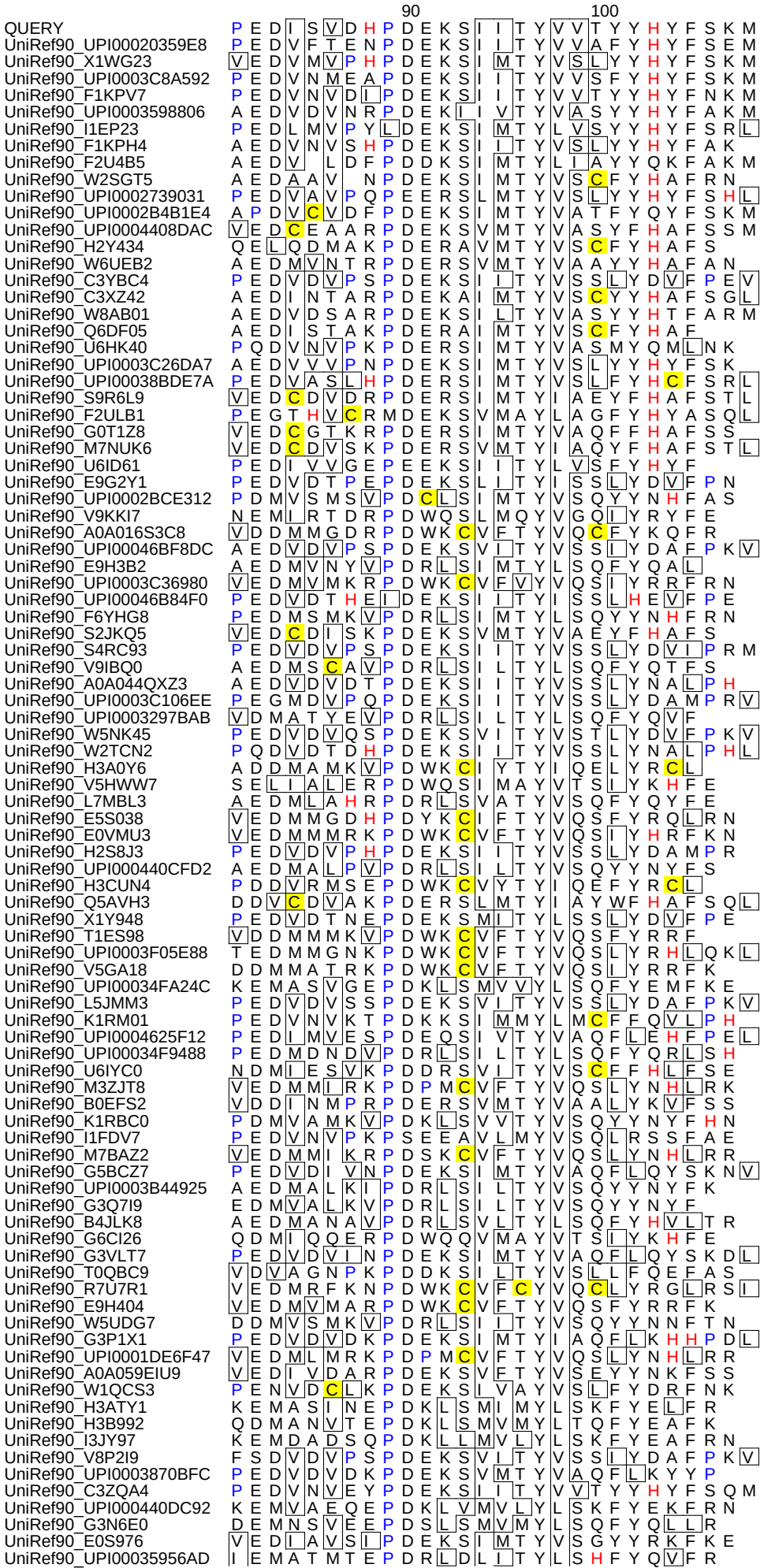
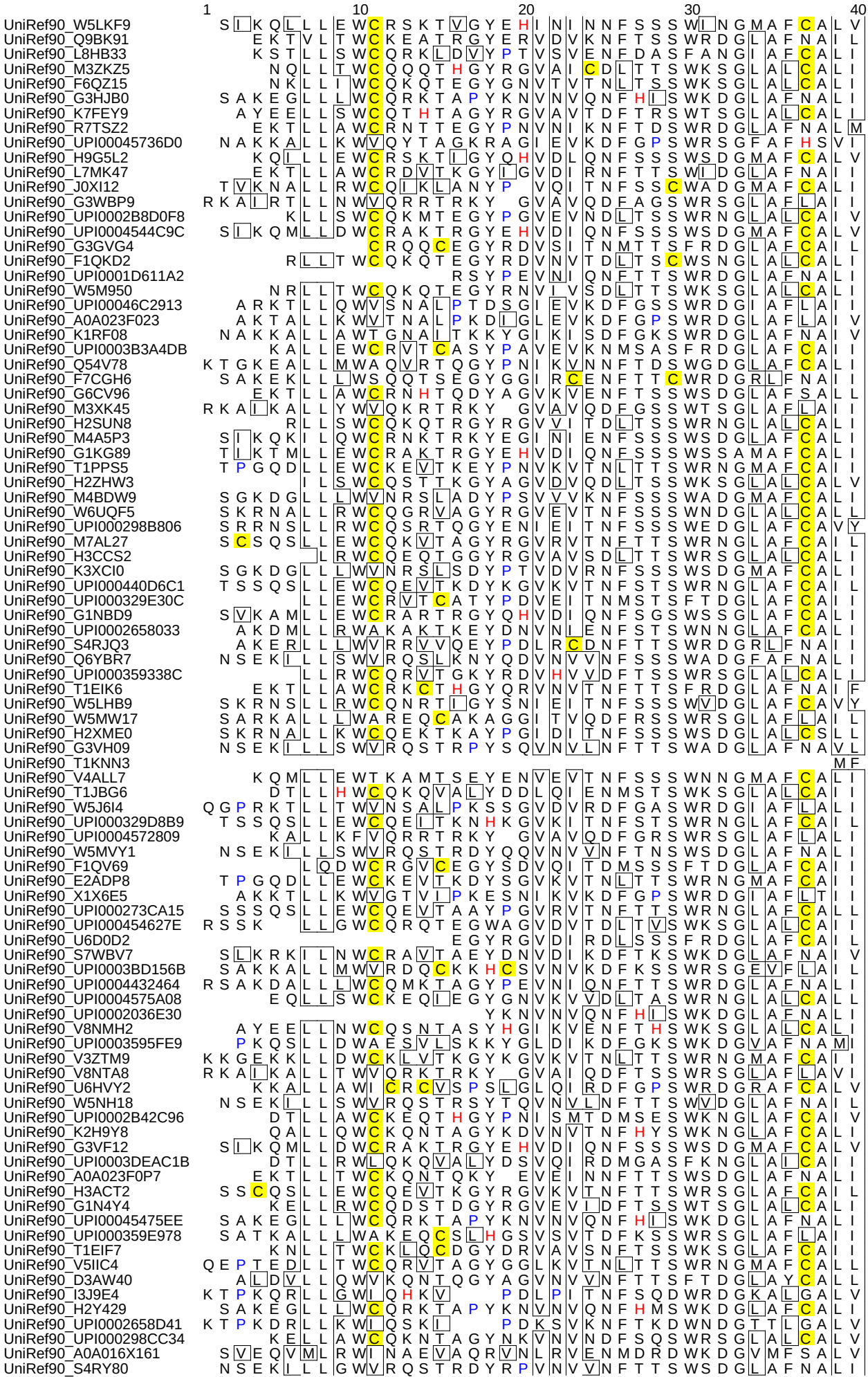
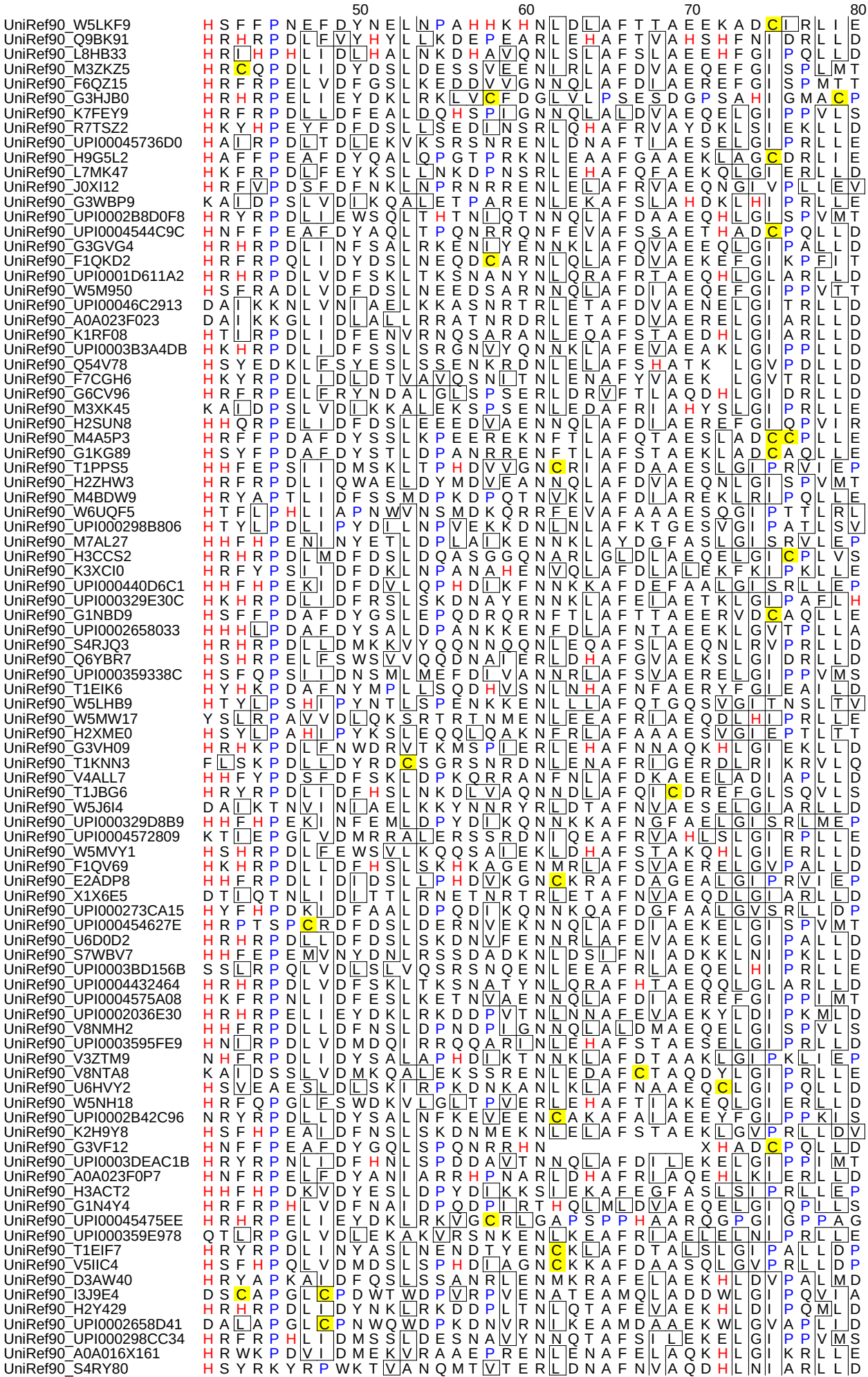

1
10
20
30
40
QUERY K S A K D A L L L W C Q M K T A G Y P N V N I H N F T T S W R D G M A F N A L I
UniRef90_UPI00020359E8 R S P R D A L L L W C Q M K T A G Y P H V N V T N F T S S W K D G L A F N A L I
UniRef90_X1WG23 R S A K E A L L I W C Q R K T A G Y T N V N V Q D F S G S W R D G L A F N A L I
UniRef90_UPI0003C8A592 R S A K D A L L L W C Q M K T A G Y P E V N I Q N F T T S W R D G L A F N A L I
UniRef90_F1KPV7 R S A K E A L L L W C Q M K T A G Y P N V N V R N F T T S W R D G L A F N A L I
UniRef90_UPI0003598806 K S A K D A L L L W C Q R K T A G Y P G V N I T N F T N S W R N G L G F N A L I
UniRef90_I1EP23 K S A K E A L L L W C Q R K T S G Y P G V D V Q N F T T S W K D G L A F N A L I
UniRef90_F1KPH4 R H A K D A L L L W C Q R K T A G Y A N V K V E N F T T S W R N G L A F N A L I
UniRef90_F2U4B5 K N A K E A L L R W C Q R K T K G Y P G V K V E N F T T S W R D G L A F N A L I
UniRef90_W2SGT5 S A R D G L L L W C Q R K T A P Y N N V N V Q N F H T S W K D G L A F C A L I
UniRef90_UPI0002739031 S A K E A L L V W C R R K T A G Y P N V N I T D F S H S W R D G L G F N A L I
UniRef90_UPI0002B4B1E4 R S A K D A L L L W C Q S K V Q G Y P N V N V T N F T T S W R D G F A F N A I I
UniRef90_UPI0004408DAC S A K E G L L L W C Q R K T Q P Y E N V N V Q D F T Y S W T D G L A L C A L I
UniRef90_H2Y434 S A K E G L L L W C Q R K T A P Y K N V N V Q N F H M S W K D G L A F C A L I
UniRef90_W6UEB2 A K E G L L L W C Q R K T A P Y S N V N V Q N F H T S W K D G L A F C A L I
UniRef90_C3YBC4 S A K E A L L M W S Q R T L E G Y P G V S V T N F S K S W R D G L A F S A I I
UniRef90_C3XZ42 S S K E G L L L W C Q R K T A P Y K N V N V Q N F H T S W K D G L A F C A L I
UniRef90_W8AB01 R S A K D A L L L W C Q R K T H G Y P G V N I Q D F T S S W R S G L G F N A L I
UniRef90_Q6DF05 S A K E G L L L W C Q R K T A P Y R N V N I Q N F H T S W K D G L G L C A L I
UniRef90_U6HK40 R S A K E A L L L W C Q N K T R G Y A N V D V K D F T T S W R D G L A F G A L L
UniRef90_UPI0003C26DA7 S A N E A L L I W C Q R K T A S Y S N V N V Q D F S R S W R D G L A F N A L I
UniRef90_UPI00038BDE7A S A K E A L L A W C Q R K T A S Y T N V N I T D F S R S W S D G L G F N A L L
UniRef90_S9R6L9 T A K E G L L L W C Q R K T G K Y P E V E V Q D F S R S W T D G L A F C A L I
UniRef90_F2ULB1 K S A K E A L L Y W C Q K V T K G Y P N V D I R N F T S S W S N G M A F N A I I
UniRef90_G0T1Z8 A K E G L L L W C Q R K T A P Y N E V D V K D F T R S W Q D G L A F C A L I
UniRef90_M7NUK6 T A K E G L L L W C Q R Q T A E Y E N V N I C D F T T S W T D G L S F C A L I
UniRef90_U6ID61 R N S T E A L L L W C K A K T Q G Y P N V E I N N F T N S W R D G L G F A A L I
UniRef90_E9G2Y1 T A R E A L L R W A Q R T T A K Y P G V R V K D F T S S W K D G L A F N A I I
UniRef90_UPI0002BCE312 P R V A L L A W C R R Q C E G Y R G V D I R D L S S S F R D G L A F C A I L
UniRef90_V9KKI7 S K R N A L L R W C Q R K T E G Y P N I E I T N F S S S W S D G L A F C A L L
UniRef90_A0A016S3C8 S I K D A L L R W V Q S R I Q G Y P N V N V T N F S S S W A D G M A F C A L I
UniRef90_UPI00046BF8DC S A K E K L L L W T Q K V T A G Y V G V K C T N F S S C W S D G K M F N A L I
UniRef90_E9H3B2 Q A L E I W C R Q I T A G Y N G V K V T N M T S S W K D G L A F C A L V
UniRef90_UPI0003C36980 T A K E Q L L Q W C Q L K T K E Y E N V Q I T N F S S S W V D G L A F C A L I
UniRef90_UPI00046B84F0 S A R D A L L K W A R K S T S K Y P G V R V S D F T S S W R D G M A F N A I I
UniRef90_F6YHG8 S A S R N L Q Q W C S R Q C E G Y P G I L I Y D L S S S F R D G L A F C A L I
UniRef90_S2JKQ5 K N A K E G L L L W C Q R K T A N Y Q D V D L R D F T Y S W T D G L A F C A L I
UniRef90_S4RC93 T A K D R L L L W S Q R M V E G Y P G I R C D N F T T S W R D G R L F N A I I
UniRef90_V9IBQ0 K R G T K A L E L W C R R I T E G Y P D V N V Q N M T T S W K D G L A F C A M I
UniRef90_A0A044QXZ3 S A R D A L L Q W A Q D V T R G Y P G V N V R N F T N S W R D G L A F N A I L
UniRef90_UPI0003C106EE T A K E K L L L W S Q R M V E G Y Q G L R C D N F T S S W R D G R L F N A I I
UniRef90_UPI0003297BAB R R G T K A L E L W C R R M T E G Y P G V K I D N M T T S W R D G L A F C A M I
UniRef90_W5NK45 S A K E K L L L W S R Q M T E G Y V G V R C E N F T T S W R D G R L F N A I I
UniRef90_W2TCN2 S A R D A L L Q W A R K V T S G Y P R V N V T N F S S S W K D G L A F N A I L
UniRef90_H3A0Y6 S V K Q M L L E W C Q A K T R G Y E H V D I Q N F S S S W S D G L A F C A L I
UniRef90_V5HWW7 S K R N A L L K W C Q N K T L G Y K N I D I T N F S S S W N D G L A F C A L L
UniRef90_L7MBL3 K A L E L W C R R V T E G Y R D V N V V D M S S S W R D G L A F C A L I
UniRef90_E5S038 K E A L L R W C Q I K T K D Y K N I N I T N F S S S W A N G M A F C A L I
UniRef90_E0VMU3 A K D R L L Q W C Q S K T K E Y K N I Q I E N F S T S W S N G L A F C A L I
UniRef90_H2S8J3 S A K E K L L L W S Q R I S D G Y Q N I R C E N F S T S W R D G K L F N A V I
UniRef90_UPI000440CFD2 A I K A L Q Q W C K L Q C D G Y R D V S I I N M T T S F R D G L A F C A L I
UniRef90_H3CUN4 K N V K Q M L L D W C R A K T E P Y E G V N I Q N F S S S W K D G I A F C A L V
UniRef90_Q5AVH3 T A K A G L L L W C Q R K T A C Y E G V E V R D F S T S W N D G L A F C A L L
UniRef90_X1Y948 T A R E A L L R W A R R S T A K Y P G V R V N D F T G S W R D G L A F S A L I
UniRef90_T1ES98 K E M L I K W C Q M Q T K E Y E N V N I T N F S S S W A D G M A F C A L I
UniRef90_UPI0003F05E88 T I K T M L L E W C K A R T A G Y E N C E I T N F S S S W A N G M A F C A L I
UniRef90_V5GA18 T I K D R L L F W C R M K T K E Y E N V Q L D N F S S S W A D G L A F C A L I
UniRef90_UPI00034FA24C R T G K L L G W C Q K Q M E G Y P G V N V T D L T M S W K S G L A L C A I I
UniRef90_L5JMM3 L P L V L S C
UniRef90_K1RM01 E R T L L T W C R Q C T E G Y Q G V D I H N F T T S W R D G L A F N A L L
UniRef90_UPI0004625F12 R K A I K A I L T W V Q R K T R K Y G V A V Q D F A S S W R S G L A F L A V I
UniRef90_UPI00034F9488 R K G T K A L E L W C K R L I K D C P D I H I E N M T T S W R N G M A F C A L V
UniRef90_U6IYC0 T A N D G L L L W C Q R S T E P Y P D V N V R N F N T S W K D G K A F C A I I
UniRef90_M3ZJT8 S I K Q I L L E W C R S K T V G Y Q N I D I Q N F S S S W S D G M A F C A L V
UniRef90_B0EFS2 S A K Q G L L L W C Q K K C E P Y P V K V E N F S E S F K D G K V F C A L I
UniRef90_K1RBC0 Q A L Q Q W C K K Q T D G Y R D A D V V N M T S S W K S G M A F C A I I
UniRef90_I1FDV7 K S P K A E L L H W T Q T Q I N G Y D G V N V T N F H T S W R D G M A F C A L I
UniRef90_M7BAZ2 S I K Q M L L D W C R A K T R G Y E H V D I Q N F S S S W S D G M A F C A L V
UniRef90_G5BCZ7 S A K K A L L L W A Q E C C A K H E S I S V T D F K S S W R N G L A F L A V I
UniRef90_UPI0003B44925 A I K A L E Q W C K I Q C D G Y R D V A V T N M T T S F R N G L A F C A L I
UniRef90_G3Q7I9 S A V K A L Q Q W C R V R C D G Y R D V S I T N M T T S F R D G L A F C A L L
UniRef90_B4JLK8 K A L E F W C Q R T T K G Y N N V K I E N M T T S W R D G L G F C A L I
UniRef90_G6CI26 S K R N A L L K W C Q Q K T M G Y N N I D I T N F S S S W N D G L A L C A L L
UniRef90_G3VLT7 S A K K A L L L W A Q E Q C T M H G Y V N V T D F K S S W R N G M A F L A I I
UniRef90_T0QBC9 S G K D G L L L W C K R S L A D Y P T V D V T N F T S S W T N G L A F C A L I
UniRef90_R7U7R1 K Q M L L D W C K S K T T G Y E H V N V T N F S S S W N D G M A F C A L I
UniRef90_E9H404 R S A K D F L L Q W C Q S R T R G Y K N V Q I E N F S S S W K D G L A F C A L I
UniRef90_W5UDG7 K A L Q E W C R V Q C E G Y N D V D I K N M S A S F R D G L A F C A I I
UniRef90_G3P1X1 A R K A L L R W V Q Q T A T K R L G I E V K D F G P S W R T G L A F F A V I
UniRef90_UPI0001DE6F47 S I K Q I L L E W C R S K T I G Y K N I E L Q N F S S S W N D G M A F C A L V
UniRef90_A0A059EIU9 N A K N A L L A W C K A V T S P Y S S V S L Q N F S T S W K D G L A F N A I I
UniRef90_W1QCS3 S K K E L L L R W C K K V T G S Y A D I R M T N F T S S W S S G H A F C A L L
UniRef90_H3ATY1 N K L L T W C Q K Q T E G Y H N V N V T D L T T S W K S G L A L C A M I
UniRef90_H3B992 E E L L S W C Q R H T E G Y R N V K V K D L T S S W K S G L A L C A L I
UniRef90_I3JY97 R L L N W C Q R Q T H G Y K G V D V T N L T S S W R N G L A L C A L I
UniRef90_V8P2I9 S A K E K L L L W S Q K V T A G Y V G L K C T N F S S C W S D G K M F N A V I
UniRef90_UPI0003870BFC S A R K A L L K W I Q Y T A A K Q V G I E I K D F G Q S W R S G V A F H S V I
UniRef90_C3ZQA4 M K T A G Y N N V N I T N F T R S W S D G L A F N A L I
UniRef90_UPI000440DC92 R L L L W C Q K Q T Q G Y R G V D V T D L T T S W R S G L A L C A L I
UniRef90_G3N6E0 S E S N K L L I W C Q E H T R G Y R G V A V S D L T T S W K N G L A L C A L I
UniRef90_E0S976 S I R N E L L R W C K E V T N G Y K N V N V V D F S R S W Q D G L A F N A I I
UniRef90_UPI00035956AD E E L L S W C Q A S T A G Y P G V A V T N F S T S W S S G L A L C A L I

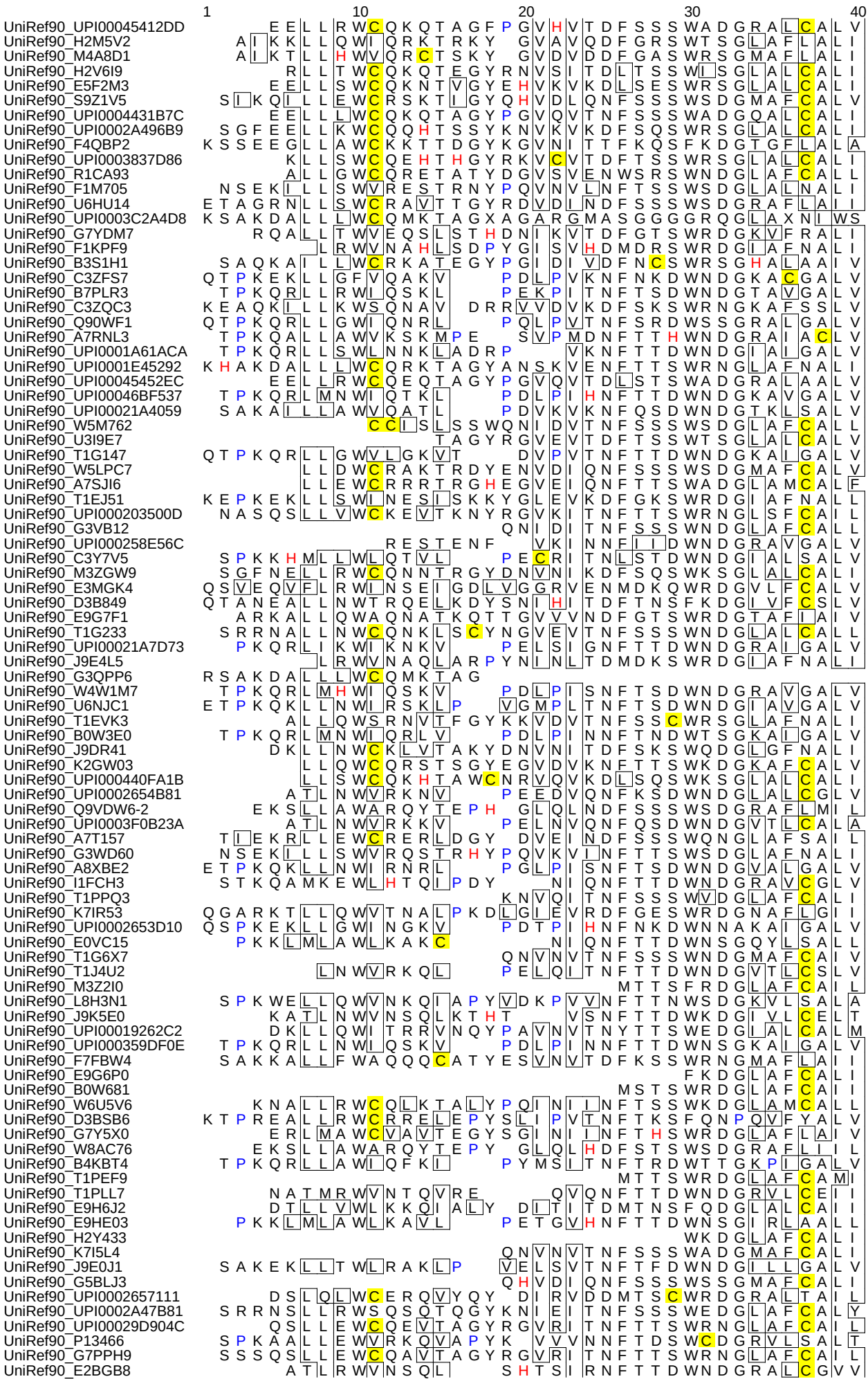

50
60
70
80
QUERY
UniRef90_UPI00020359E8
UniRef90_X1WG23
UniRef90_UPI0003C8A592
UniRef90_F1KPV7
UniRef90_UPI0003598806
UniRef90_I1EP23
UniRef90_F1KPH4
UniRef90_F2U4B5
UniRef90_W2SGT5
UniRef90_UPI0002739031
UniRef90_UPI0002B4B1E4
UniRef90_UPI0004408DAC
UniRef90_H2Y434
UniRef90_W6UEB2
UniRef90_C3YBC4
UniRef90_C3XZ42
UniRef90_W8AB01
UniRef90_Q6DF05
UniRef90_U6HK40
UniRef90_UPI0003C26DA7
UniRef90_UPI00038BDE7A
UniRef90_S9R6L9
UniRef90_F2ULB1
UniRef90_G0T1Z8
UniRef90_M7NUK6
UniRef90_U6ID61
UniRef90_E9G2Y1
UniRef90_UPI0002BCE312
UniRef90_V9KKI7
UniRef90_A0A016S3C8
UniRef90_UPI00046BF8DC
UniRef90_E9H3B2
UniRef90_UPI0003C36980
UniRef90_UPI00046B84F0
UniRef90_F6YHG8
UniRef90_S2JKQ5
UniRef90_S4RC93
UniRef90_V9IBQ0
UniRef90_A0A044QXZ3
UniRef90_UPI0003C106EE
UniRef90_UPI0003297BAB
UniRef90_W5NK45
UniRef90_W2TCN2
UniRef90_H3A0Y6
UniRef90_V5HWW7
UniRef90_L7MBL3
UniRef90_E5S038
UniRef90_E0VMU3
UniRef90_H2S8J3
UniRef90_UPI000440CFD2
UniRef90_H3CUN4
UniRef90_Q5AVH3
UniRef90_X1Y948
UniRef90_T1ES98
UniRef90_UPI0003F05E88
UniRef90_V5GA18
UniRef90_UPI00034FA24C
UniRef90_L5JMM3
UniRef90_K1RM01
UniRef90_UPI0004625F12
UniRef90_UPI00034F9488
UniRef90_U6IYC0
UniRef90_M3ZJT8
UniRef90_B0EFS2
UniRef90_K1RBC0
UniRef90_I1FDV7
UniRef90_M7BAZ2
UniRef90_G5BCZ7
UniRef90_UPI0003B44925
UniRef90_G3Q7I9
UniRef90_B4JLK8
UniRef90_G6CI26
UniRef90_G3VLT7
UniRef90_T0QBC9
UniRef90_R7U7R1
UniRef90_E9H404
UniRef90_W5UDG7
UniRef90_G3P1X1
UniRef90_UPI0001DE6F47
UniRef90_A0A059EIU9
UniRef90_W1QCS3
UniRef90_H3ATY1
UniRef90_H3B992
UniRef90_I3JY97
UniRef90_V8P2I9
UniRef90_UPI0003870BFC
UniRef90_C3ZQA4
UniRef90_UPI000440DC92
UniRef90_G3N6E0
UniRef90_E0S976
UniRef90_UPI00035956AD

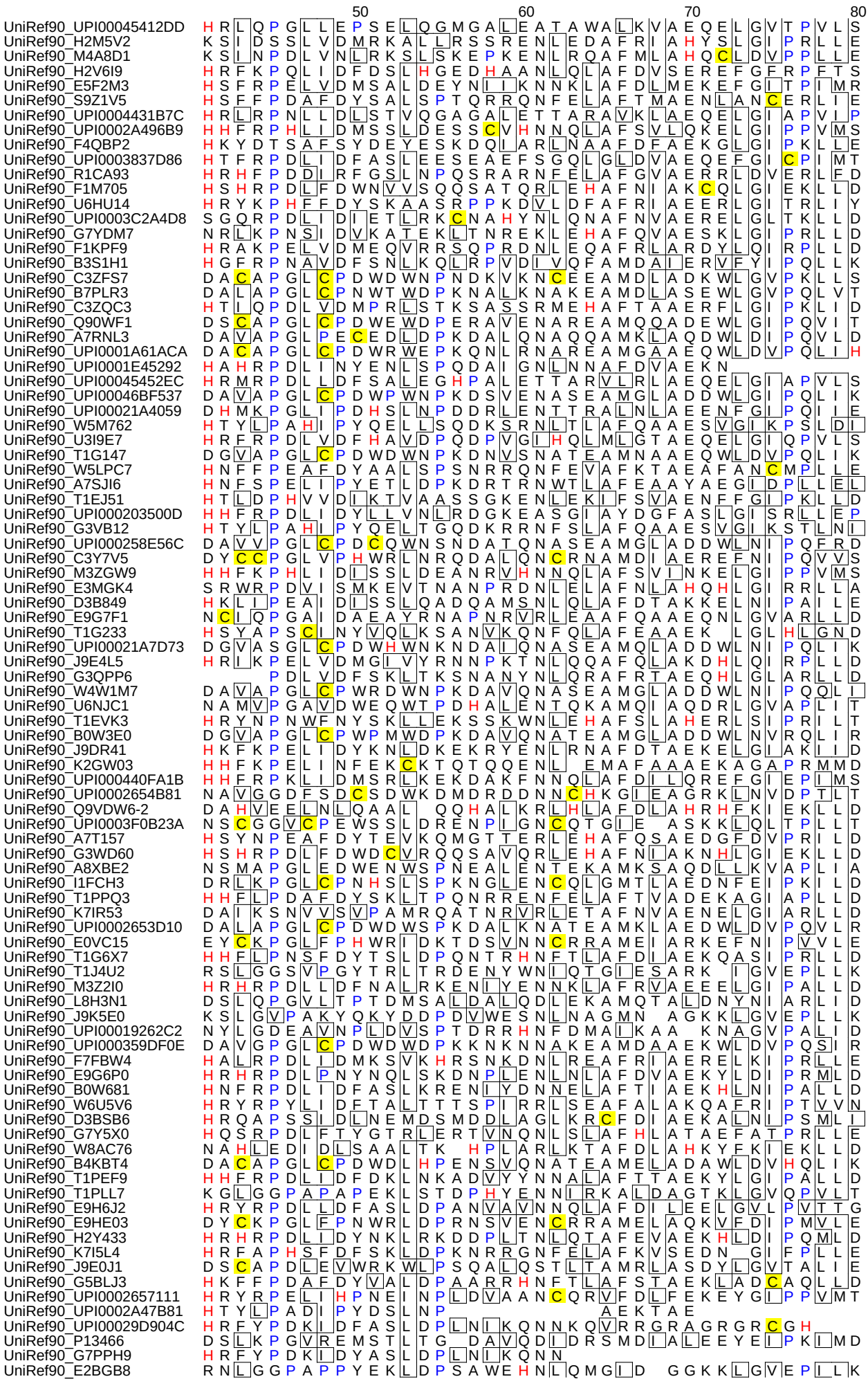

90
100
QUERY P E D I S V D H P D E K S I I T Y V V T Y Y H Y F S K M
UniRef90_UPI00020359E8 P E D V F T E N P D E K S I I T Y V V A F Y H Y F S E M
UniRef90_X1WG23 V E D V M V P H P D E K S I M T Y V S L Y Y H Y F S K M
UniRef90_UPI0003C8A592 P E D V N M E A P D E K S I I T Y V V S F Y H Y F S K M
UniRef90_F1KPV7 P E D V N V D I P D E K S I I T Y V V T Y Y H Y F N K M
UniRef90_UPI0003598806 A E D V D V N R P D E K I I V T Y V A S Y Y H Y F A K M
UniRef90_I1EP23 P E D L M V P Y L D E K S I M T Y L V S Y Y H Y F S R L
UniRef90_F1KPH4 A E D V N V S H P D E K S I I T Y V S L Y Y H Y F A K
UniRef90_F2U4B5 A E D V L D F P D D K S I M T Y L I A Y Y Q K F A K M
UniRef90_W2SGT5 A E D A A V N P D E K S I M T Y V S C F Y H A F R N
UniRef90_UPI0002739031 P E D V A V P Q P E E R S L M T Y V S L Y Y H Y F S H L
UniRef90_UPI0002B4B1E4 A P D V C V D F P D E K S I M T Y V A T F Y Q Y F S K M
UniRef90_UPI0004408DAC V E D C E A A R P D E K S V M T Y V A S Y F H A F S S M
UniRef90_H2Y434 Q E L Q D M A K P D E R A V M T Y V S C F Y H A F S
UniRef90_W6UEB2 A E D M V N T R P D E R S V M T Y V A A Y Y H A F A N
UniRef90_C3YBC4 P E D V D V P S P D E K S I I T Y V S S L Y D V F P E V
UniRef90_C3XZ42 A E D I N T A R P D E K A I M T Y V S C Y Y H A F S G L
UniRef90_W8AB01 A E D V D S A R P D E K S I L T Y V A S Y Y H T F A R M
UniRef90_Q6DF05 A E D I S T A K P D E R A I M T Y V S C F Y H A F
UniRef90_U6HK40 P Q D V N V P K P D E R S I M T Y V A S M Y Q M L N K
UniRef90_UPI0003C26DA7 A E D V V V P N P D E K S I M T Y V S L Y Y H Y F S K
UniRef90_UPI00038BDE7A P E D V A S L H P D E R S I M T Y V S L F Y H C F S R L
UniRef90_S9R6L9 V E D C D V D R P D E R S I M T Y I A E Y F H A F S T L
UniRef90_F2ULB1 P E G T H V C R M D E K S V M A Y L A G F Y H Y A S Q L
UniRef90_G0T1Z8 V E D C G T K R P D E R S I M T Y V A Q F F H A F S S
UniRef90_M7NUK6 V E D C D V S K P D E R S V M T Y I A Q Y F H A F S T L
UniRef90_U6ID61 P E D I V V G E P E E K S I I T Y L V S F Y H Y F
UniRef90_E9G2Y1 P E D V D T P E P D E K S L I T Y I S S L Y D V F P N
UniRef90_UPI0002BCE312 P D M V S M S V P D C L S I M T Y V S Q Y Y N H F A S
UniRef90_V9KKI7 N E M I R T D R P D W Q S L M Q Y V G Q I Y R Y F E
UniRef90_A0A016S3C8 V D D M M G D R P D W K C V F T Y V Q C F Y K Q F R
UniRef90_UPI00046BF8DC A E D V D V P S P D E K S V I T Y V S S I Y D A F P K V
UniRef90_E9H3B2 A E D M V N Y V P D R L S I M T Y L S Q F Y Q A L
UniRef90_UPI0003C36980 V E D M V M K R P D W K C V F V Y V Q S I Y R R F R N
UniRef90_UPI00046B84F0 P E D V D T H E I D E K S I I T Y I S S L H E V F P E
UniRef90_F6YHG8 P E D M S M K V P D R L S I M T Y L S Q Y Y N H F R N
UniRef90_S2JKQ5 V E D C D I S K P D E K S V M T Y V A E Y F H A F S
UniRef90_S4RC93 P E D V D V P S P D E K S I I T Y V S S L Y D V I P R M
UniRef90_V9IBQ0 A E D M S C A V P D R L S I L T Y L S Q F Y Q T F S
UniRef90_A0A044QXZ3 A E D V D V D T P D E K S I I T Y V S S L Y N A L P H
UniRef90_UPI0003C106EE P E G M D V P Q P D E K S I I T Y V S S L Y D A M P R V
UniRef90_UPI0003297BAB V D M A T Y E V P D R L S I L T Y L S Q F Y Q V F
UniRef90_W5NK45 P E D V D V Q S P D E K S V I T Y V S T L Y D V F P K V
UniRef90_W2TCN2 P Q D V D T D H P D E K S I I T Y V S S L Y N A L P H L
UniRef90_H3A0Y6 A D D M A M K V P D W K C I Y T Y I Q E L Y R C L
UniRef90_V5HWW7 S E L I A L E R P D W Q S I M A Y V T S I Y K H F E
UniRef90_L7MBL3 A E D M L A H R P D R L S V A T Y V S Q F Y Q Y F E
UniRef90_E5S038 V E D M M G D H P D Y K C I F T Y V Q S F Y R Q L R N
UniRef90_E0VMU3 V E D M M M R K P D W K C V F T Y V Q S I Y H R F K N
UniRef90_H2S8J3 P E D V D V P H P D E K S I I T Y V S S L Y D A M P R
UniRef90_UPI000440CFD2 A E D M A L P V P D R L S I L T Y V S Q Y Y N Y F S
UniRef90_H3CUN4 P D D V R M S E P D W K C V Y T Y I Q E F Y R C L
UniRef90_Q5AVH3 D D V C D V A K P D E R S L M T Y I A Y W F H A F S Q L
UniRef90_X1Y948 P E D V D T N E P D E K S M I T Y L S S L Y D V F P E
UniRef90_T1ES98 V D D M M M K V P D W K C V F T Y V Q S F Y R R F
UniRef90_UPI0003F05E88 T E D M M G N K P D W K C V F T Y V Q S L Y R H L Q K L
UniRef90_V5GA18 D D M M A T R K P D W K C V F T Y V Q S I Y R R F K
UniRef90_UPI00034FA24C K E M A S V G E P D K L S M V V Y L S Q F Y E M F K E
UniRef90_L5JMM3 P E D V D V S S P D E K S V I T Y V S S L Y D A F P K V
UniRef90_K1RM01 P E D V N V K T P D K S I M M Y L M C F F Q V L P H
UniRef90_UPI0004625F12 P E D I M V E S P D E Q S I V T Y V A Q F L E H F P E L
UniRef90_UPI00034F9488 P E D M D N D V P D R L S I L T Y L S Q F Y Q R L S H
UniRef90_U6IYC0 N D M I E S V K P D D R S V I T Y V S C F F H L F S E
UniRef90_M3ZJT8 V E D M M I R K P D P M C V F T Y V Q S L Y N H L R K
UniRef90_B0EFS2 V D D I N M P R P D E R S V M T Y V A A L Y K V F S S
UniRef90_K1RBC0 P D M V A M K V P D K L S V V T Y V S Q Y Y N Y F H N
UniRef90_I1FDV7 P E D V N V P K P S E E A V L M Y V S Q L R S S F A E
UniRef90_M7BAZ2 V E D M M I K R P D S K C V F T Y V Q S L Y N H L R R
UniRef90_G5BCZ7 P E D V D I V N P D E K S I M T Y V A Q F L Q Y S K N V
UniRef90_UPI0003B44925 A E D M A L K I P D R L S I L T Y V S Q Y Y N Y F K
UniRef90_G3Q7I9 E D M V A L K V P D R L S I L T Y V S Q Y Y N Y F
UniRef90_B4JLK8 A E D M A N A V P D R L S V L T Y L S Q F Y H V L T R
UniRef90_G6CI26 Q D M I Q Q E R P D W Q Q V M A Y V T S I Y K H F E
UniRef90_G3VLT7 P E D V D V I N P D E K S I M T Y V A Q F L Q Y S K D L
UniRef90_T0QBC9 V D V A G N P K P D D K S I L T Y V S L L F Q E F A S
UniRef90_R7U7R1 V E D M R F K N P D W K C V F C Y V Q C L Y R G L R S I
UniRef90_E9H404 V E D M V M A R P D W K C V F T Y V Q S F Y R R F K
UniRef90_W5UDG7 D D M V S M K V P D R L S I I T Y V S Q Y Y N N F T N
UniRef90_G3P1X1 P E D V D V D K P D E K S I M T Y I A Q F L K H H P D L
UniRef90_UPI0001DE6F47 V E D M L M R K P D P M C V F T Y V Q S L Y N H L R R
UniRef90_A0A059EIU9 V E D I V D A R P D E K S V F T Y V S E Y Y N K F S S
UniRef90_W1QCS3 P E N V D C L K P D E K S I V A Y V S L F Y D R F N K
UniRef90_H3ATY1 K E M A S I N E P D K L S M I M Y L S K F Y E L F R
UniRef90_H3B992 Q D M A N V T E P D K L S M V M Y L T Q F Y E A F K
UniRef90_I3JY97 K E M D A D S Q P D K L L M V L Y L S K F Y E A F R N
UniRef90_V8P2I9 F S D V D V P S P D E K S V I T Y V S S I Y D A F P K V
UniRef90_UPI0003870BFC P E D V D V D K P D E K S V M T Y V A Q F L K Y Y P
UniRef90_C3ZQA4 P E D V N V E Y P D E K S I I T Y V V T Y Y H Y F S Q M
UniRef90_UPI000440DC92 K E M V A E Q E P D K L V M V L Y L S K F Y E K F R N
UniRef90_G3N6E0 D E M N S V E E P D S L S M V M Y L S Q F Y Q L L R
UniRef90_E0S976 V E D I A V S I P D E K S I M T Y V S G Y Y R K F K E
UniRef90_UPI00035956AD I E M A T M T E P D R L D L I T Y L S H F Y Q V F R


1
10
20
30
40
UniRef90_W5LKF9
UniRef90_Q9BK91
UniRef90_L8HB33
UniRef90_M3ZKZ5
UniRef90_F6QZ15
UniRef90_G3HJB0
UniRef90_K7FEY9
UniRef90_R7TSZ2
UniRef90_UPI00045736D0
UniRef90_H9G5L2
UniRef90_L7MK47
UniRef90_J0XI12
UniRef90_G3WBP9
UniRef90_UPI0002B8D0F8
UniRef90_UPI0004544C9C
UniRef90_G3GVG4
UniRef90_F1QKD2
UniRef90_UPI0001D611A2
UniRef90_W5M950
UniRef90_UPI00046C2913
UniRef90_A0A023F023
UniRef90_K1RF08
UniRef90_UPI0003B3A4DB
UniRef90_Q54V78
UniRef90_F7CGH6
UniRef90_G6CV96
UniRef90_M3XK45
UniRef90_H2SUN8
UniRef90_M4A5P3
UniRef90_G1KG89
UniRef90_T1PPS5
UniRef90_H2ZHW3
UniRef90_M4BDW9
UniRef90_W6UQF5
UniRef90_UPI000298B806
UniRef90_M7AL27
UniRef90_H3CCS2
UniRef90_K3XCI0
UniRef90_UPI000440D6C1
UniRef90_UPI000329E30C
UniRef90_G1NBD9
UniRef90_UPI0002658033
UniRef90_S4RJQ3
UniRef90_Q6YBR7
UniRef90_UPI000359338C
UniRef90_T1EIK6
UniRef90_W5LHB9
UniRef90_W5MW17
UniRef90_H2XME0
UniRef90_G3VH09
UniRef90_T1KNN3
UniRef90_V4ALL7
UniRef90_T1JBG6
UniRef90_W5J6I4
UniRef90_UPI000329D8B9
UniRef90_UPI0004572809
UniRef90_W5MVY1
UniRef90_F1QV69
UniRef90_E2ADP8
UniRef90_X1X6E5
UniRef90_UPI000273CA15
UniRef90_UPI000454627E
UniRef90_U6D0D2
UniRef90_S7WBV7
UniRef90_UPI0003BD156B
UniRef90_UPI0004432464
UniRef90_UPI0004575A08
UniRef90_UPI0002036E30
UniRef90_V8NMH2
UniRef90_UPI0003595FE9
UniRef90_V3ZTM9
UniRef90_V8NTA8
UniRef90_U6HVY2
UniRef90_W5NH18
UniRef90_UPI0002B42C96
UniRef90_K2H9Y8
UniRef90_G3VF12
UniRef90_UPI0003DEAC1B
UniRef90_A0A023F0P7
UniRef90_H3ACT2
UniRef90_G1N4Y4
UniRef90_UPI00045475EE
UniRef90_UPI000359E978
UniRef90_T1EIF7
UniRef90_V5IIC4
UniRef90_D3AW40
UniRef90_I3J9E4
UniRef90_H2Y429
UniRef90_UPI0002658D41
UniRef90_UPI000298CC34
UniRef90_A0A016X161
UniRef90_S4RY80

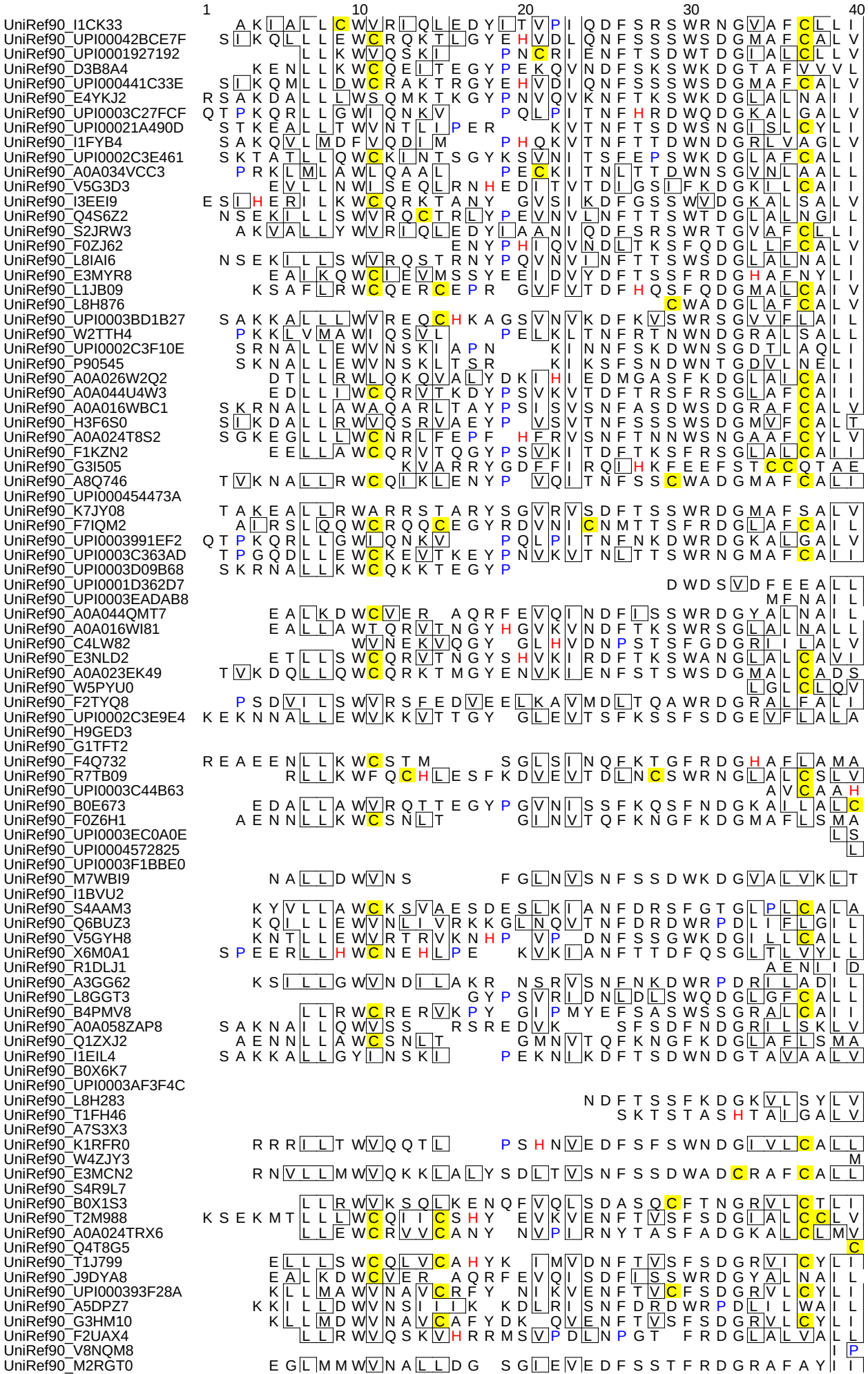

50
60
70
80
UniRef90_W5LKF9
UniRef90_Q9BK91
UniRef90_L8HB33
UniRef90_M3ZKZ5
UniRef90_F6QZ15
UniRef90_G3HJB0
UniRef90_K7FEY9
UniRef90_R7TSZ2
UniRef90_UPI00045736D0
UniRef90_H9G5L2
UniRef90_L7MK47
UniRef90_J0XI12
UniRef90_G3WBP9
UniRef90_UPI0002B8D0F8
UniRef90_UPI0004544C9C
UniRef90_G3GVG4
UniRef90_F1QKD2
UniRef90_UPI0001D611A2
UniRef90_W5M950
UniRef90_UPI00046C2913
UniRef90_A0A023F023
UniRef90_K1RF08
UniRef90_UPI0003B3A4DB
UniRef90_Q54V78
UniRef90_F7CGH6
UniRef90_G6CV96
UniRef90_M3XK45
UniRef90_H2SUN8
UniRef90_M4A5P3
UniRef90_G1KG89
UniRef90_T1PPS5
UniRef90_H2ZHW3
UniRef90_M4BDW9
UniRef90_W6UQF5
UniRef90_UPI000298B806
UniRef90_M7AL27
UniRef90_H3CCS2
UniRef90_K3XCI0
UniRef90_UPI000440D6C1
UniRef90_UPI000329E30C
UniRef90_G1NBD9
UniRef90_UPI0002658033
UniRef90_S4RJQ3
UniRef90_Q6YBR7
UniRef90_UPI000359338C
UniRef90_T1EIK6
UniRef90_W5LHB9
UniRef90_W5MW17
UniRef90_H2XME0
UniRef90_G3VH09
UniRef90_T1KNN3
UniRef90_V4ALL7
UniRef90_T1JBG6
UniRef90_W5J6I4
UniRef90_UPI000329D8B9
UniRef90_UPI0004572809
UniRef90_W5MVY1
UniRef90_F1QV69
UniRef90_E2ADP8
UniRef90_X1X6E5
UniRef90_UPI000273CA15
UniRef90_UPI000454627E
UniRef90_U6D0D2
UniRef90_S7WBV7
UniRef90_UPI0003BD156B
UniRef90_UPI0004432464
UniRef90_UPI0004575A08
UniRef90_UPI0002036E30
UniRef90_V8NMH2
UniRef90_UPI0003595FE9
UniRef90_V3ZTM9
UniRef90_V8NTA8
UniRef90_U6HVY2
UniRef90_W5NH18
UniRef90_UPI0002B42C96
UniRef90_K2H9Y8
UniRef90_G3VF12
UniRef90_UPI0003DEAC1B
UniRef90_A0A023F0P7
UniRef90_H3ACT2
UniRef90_G1N4Y4
UniRef90_UPI00045475EE
UniRef90_UPI000359E978
UniRef90_T1EIF7
UniRef90_V5IIC4
UniRef90_D3AW40
UniRef90_I3J9E4
UniRef90_H2Y429
UniRef90_UPI0002658D41
UniRef90_UPI000298CC34
UniRef90_A0A016X161
UniRef90_S4RY80

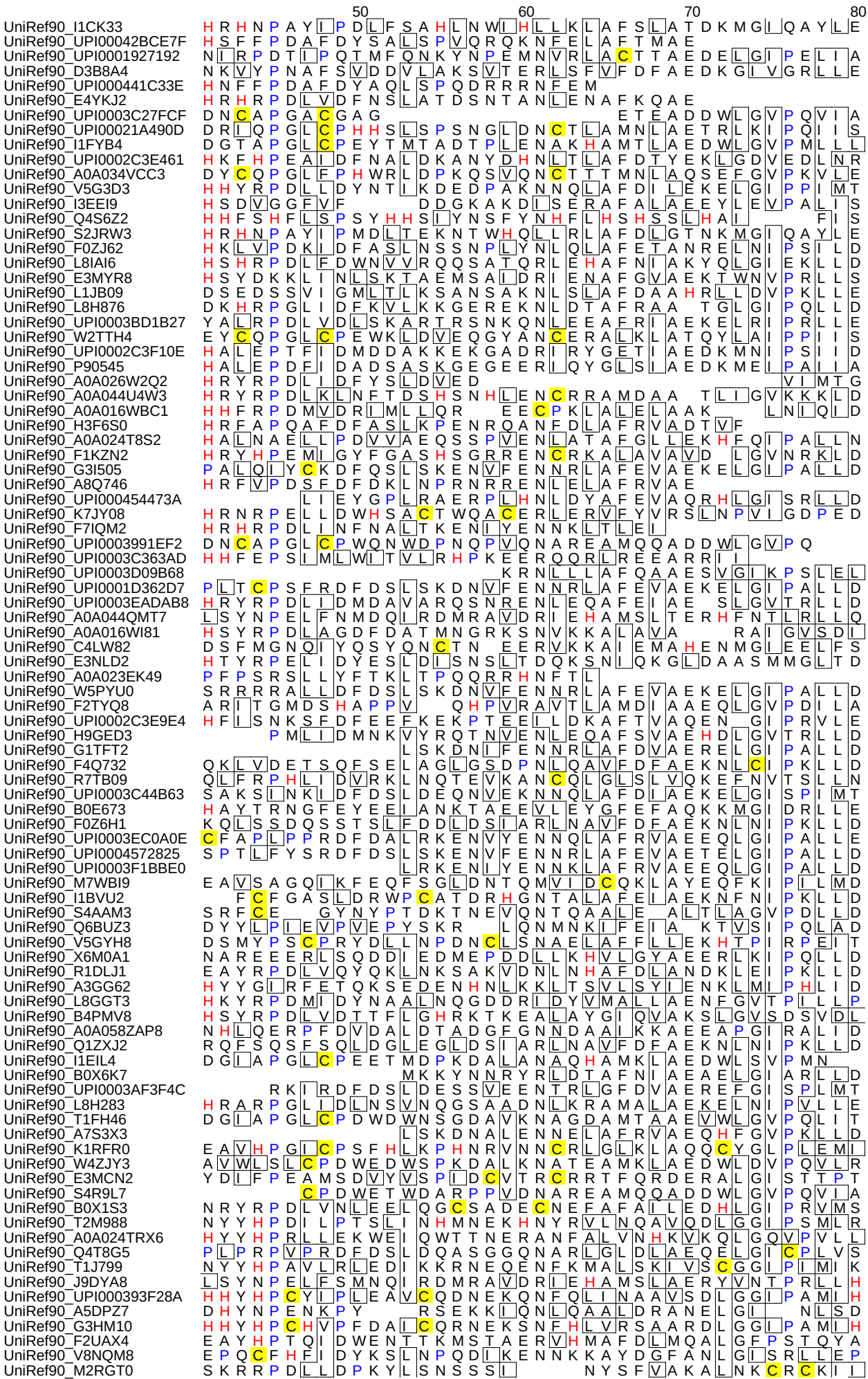
90
100
UniRef90_W5LKF9
UniRef90_Q9BK91
UniRef90_L8HB33
UniRef90_M3ZKZ5
UniRef90_F6QZ15
UniRef90_G3HJB0
UniRef90_K7FEY9
UniRef90_R7TSZ2
UniRef90_UPI00045736D0
UniRef90_H9G5L2
UniRef90_L7MK47
UniRef90_J0XI12
UniRef90_G3WBP9
UniRef90_UPI0002B8D0F8
UniRef90_UPI0004544C9C
UniRef90_G3GVG4
UniRef90_F1QKD2
UniRef90_UPI0001D611A2
UniRef90_W5M950
UniRef90_UPI00046C2913
UniRef90_A0A023F023
UniRef90_K1RF08
UniRef90_UPI0003B3A4DB
UniRef90_Q54V78
UniRef90_F7CGH6
UniRef90_G6CV96
UniRef90_M3XK45
UniRef90_H2SUN8
UniRef90_M4A5P3
UniRef90_G1KG89
UniRef90_T1PPS5
UniRef90_H2ZHW3
UniRef90_M4BDW9
UniRef90_W6UQF5
UniRef90_UPI000298B806
UniRef90_M7AL27
UniRef90_H3CCS2
UniRef90_K3XCI0
UniRef90_UPI000440D6C1
UniRef90_UPI000329E30C
UniRef90_G1NBD9
UniRef90_UPI0002658033
UniRef90_S4RJQ3
UniRef90_Q6YBR7
UniRef90_UPI000359338C
UniRef90_T1EIK6
UniRef90_W5LHB9
UniRef90_W5MW17
UniRef90_H2XME0
UniRef90_G3VH09
UniRef90_T1KNN3
UniRef90_V4ALL7
UniRef90_T1JBG6
UniRef90_W5J6I4
UniRef90_UPI000329D8B9
UniRef90_UPI0004572809
UniRef90_W5MVY1
UniRef90_F1QV69
UniRef90_E2ADP8
UniRef90_X1X6E5
UniRef90_UPI000273CA15
UniRef90_UPI000454627E
UniRef90_U6D0D2
UniRef90_S7WBV7
UniRef90_UPI0003BD156B
UniRef90_UPI0004432464
UniRef90_UPI0004575A08
UniRef90_UPI0002036E30
UniRef90_V8NMH2
UniRef90_UPI0003595FE9
UniRef90_V3ZTM9
UniRef90_V8NTA8
UniRef90_U6HVY2
UniRef90_W5NH18
UniRef90_UPI0002B42C96
UniRef90_K2H9Y8
UniRef90_G3VF12
UniRef90_UPI0003DEAC1B
UniRef90_A0A023F0P7
UniRef90_H3ACT2
UniRef90_G1N4Y4
UniRef90_UPI00045475EE
UniRef90_UPI000359E978
UniRef90_T1EIF7
UniRef90_V5IIC4
UniRef90_D3AW40
UniRef90_I3J9E4
UniRef90_H2Y429
UniRef90_UPI0002658D41
UniRef90_UPI000298CC34
UniRef90_A0A016X161
UniRef90_S4RY80


1
10
20
30
40
UniRef90_UPI00045412DD
UniRef90_H2M5V2
UniRef90_M4A8D1
UniRef90_H2V6I9
UniRef90_E5F2M3
UniRef90_S9Z1V5
UniRef90_UPI0004431B7C
UniRef90_UPI0002A496B9
UniRef90_F4QBP2
UniRef90_UPI0003837D86
UniRef90_R1CA93
UniRef90_F1M705
UniRef90_U6HU14
UniRef90_UPI0003C2A4D8
UniRef90_G7YDM7
UniRef90_F1KPF9
UniRef90_B3S1H1
UniRef90_C3ZFS7
UniRef90_B7PLR3
UniRef90_C3ZQC3
UniRef90_Q90WF1
UniRef90_A7RNL3
UniRef90_UPI0001A61ACA
UniRef90_UPI0001E45292
UniRef90_UPI00045452EC
UniRef90_UPI00046BF537
UniRef90_UPI00021A4059
UniRef90_W5M762
UniRef90_U3I9E7
UniRef90_T1G147
UniRef90_W5LPC7
UniRef90_A7SJI6
UniRef90_T1EJ51
UniRef90_UPI000203500D
UniRef90_G3VB12
UniRef90_UPI000258E56C
UniRef90_C3Y7V5
UniRef90_M3ZGW9
UniRef90_E3MGK4
UniRef90_D3B849
UniRef90_E9G7F1
UniRef90_T1G233
UniRef90_UPI00021A7D73
UniRef90_J9E4L5
UniRef90_G3QPP6
UniRef90_W4W1M7
UniRef90_U6NJC1
UniRef90_T1EVK3
UniRef90_B0W3E0
UniRef90_J9DR41
UniRef90_K2GW03
UniRef90_UPI000440FA1B
UniRef90_UPI0002654B81
UniRef90_Q9VDW6-2
UniRef90_UPI0003F0B23A
UniRef90_A7T157
UniRef90_G3WD60
UniRef90_A8XBE2
UniRef90_I1FCH3
UniRef90_T1PPQ3
UniRef90_K7IR53
UniRef90_UPI0002653D10
UniRef90_E0VC15
UniRef90_T1G6X7
UniRef90_T1J4U2
UniRef90_M3Z2I0
UniRef90_L8H3N1
UniRef90_J9K5E0
UniRef90_UPI00019262C2
UniRef90_UPI000359DF0E
UniRef90_F7FBW4
UniRef90_E9G6P0
UniRef90_B0W681
UniRef90_W6U5V6
UniRef90_D3BSB6
UniRef90_G7Y5X0
UniRef90_W8AC76
UniRef90_B4KBT4
UniRef90_T1PEF9
UniRef90_T1PLL7
UniRef90_E9H6J2
UniRef90_E9HE03
UniRef90_H2Y433
UniRef90_K7I5L4
UniRef90_J9E0J1
UniRef90_G5BLJ3
UniRef90_UPI0002657111
UniRef90_UPI0002A47B81
UniRef90_UPI00029D904C
UniRef90_P13466
UniRef90_G7PPH9
UniRef90_E2BGB8

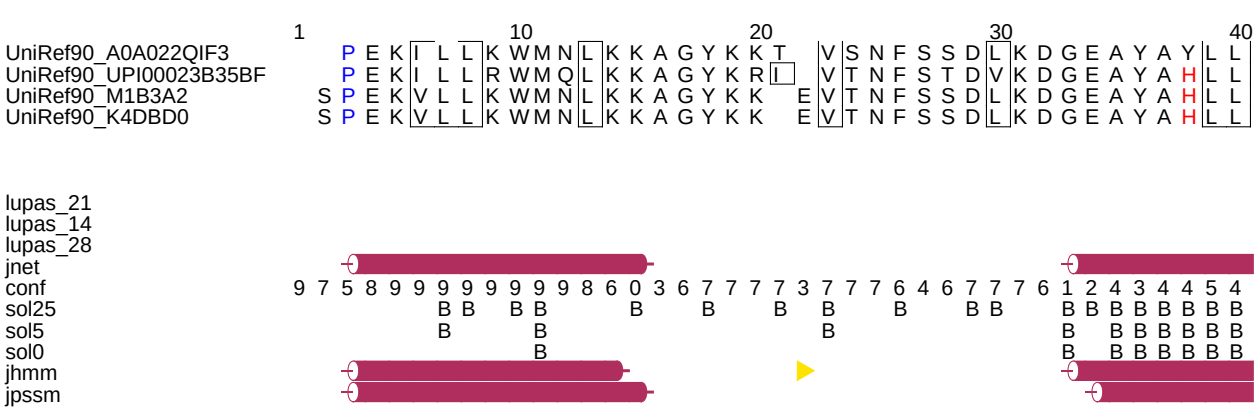

50
60
70
80
UniRef90_UPI00045412DD
UniRef90_H2M5V2
UniRef90_M4A8D1
UniRef90_H2V6I9
UniRef90_E5F2M3
UniRef90_S9Z1V5
UniRef90_UPI0004431B7C
UniRef90_UPI0002A496B9
UniRef90_F4QBP2
UniRef90_UPI0003837D86
UniRef90_R1CA93
UniRef90_F1M705
UniRef90_U6HU14
UniRef90_UPI0003C2A4D8
UniRef90_G7YDM7
UniRef90_F1KPF9
UniRef90_B3S1H1
UniRef90_C3ZFS7
UniRef90_B7PLR3
UniRef90_C3ZQC3
UniRef90_Q90WF1
UniRef90_A7RNL3
UniRef90_UPI0001A61ACA
UniRef90_UPI0001E45292
UniRef90_UPI00045452EC
UniRef90_UPI00046BF537
UniRef90_UPI00021A4059
UniRef90_W5M762
UniRef90_U3I9E7
UniRef90_T1G147
UniRef90_W5LPC7
UniRef90_A7SJI6
UniRef90_T1EJ51
UniRef90_UPI000203500D
UniRef90_G3VB12
UniRef90_UPI000258E56C
UniRef90_C3Y7V5
UniRef90_M3ZGW9
UniRef90_E3MGK4
UniRef90_D3B849
UniRef90_E9G7F1
UniRef90_T1G233
UniRef90_UPI00021A7D73
UniRef90_J9E4L5
UniRef90_G3QPP6
UniRef90_W4W1M7
UniRef90_U6NJC1
UniRef90_T1EVK3
UniRef90_B0W3E0
UniRef90_J9DR41
UniRef90_K2GW03
UniRef90_UPI000440FA1B
UniRef90_UPI0002654B81
UniRef90_Q9VDW6-2
UniRef90_UPI0003F0B23A
UniRef90_A7T157
UniRef90_G3WD60
UniRef90_A8XBE2
UniRef90_I1FCH3
UniRef90_T1PPQ3
UniRef90_K7IR53
UniRef90_UPI0002653D10
UniRef90_E0VC15
UniRef90_T1G6X7
UniRef90_T1J4U2
UniRef90_M3Z2I0
UniRef90_L8H3N1
UniRef90_J9K5E0
UniRef90_UPI00019262C2
UniRef90_UPI000359DF0E
UniRef90_F7FBW4
UniRef90_E9G6P0
UniRef90_B0W681
UniRef90_W6U5V6
UniRef90_D3BSB6
UniRef90_G7Y5X0
UniRef90_W8AC76
UniRef90_B4KBT4
UniRef90_T1PEF9
UniRef90_T1PLL7
UniRef90_E9H6J2
UniRef90_E9HE03
UniRef90_H2Y433
UniRef90_K7I5L4
UniRef90_J9E0J1
UniRef90_G5BLJ3
UniRef90_UPI0002657111
UniRef90_UPI0002A47B81
UniRef90_UPI00029D904C
UniRef90_P13466
UniRef90_G7PPH9
UniRef90_E2BGB8

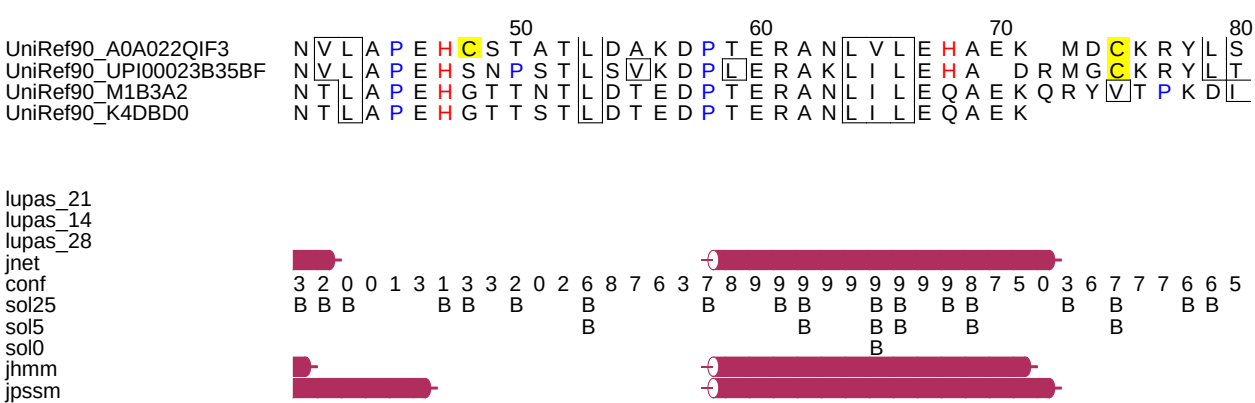
90
100
UniRef90_UPI00045412DD
UniRef90_H2M5V2
UniRef90_M4A8D1
UniRef90_H2V6I9
UniRef90_E5F2M3
UniRef90_S9Z1V5
UniRef90_UPI0004431B7C
UniRef90_UPI0002A496B9
UniRef90_F4QBP2
UniRef90_UPI0003837D86
UniRef90_R1CA93
UniRef90_F1M705
UniRef90_U6HU14
UniRef90_UPI0003C2A4D8
UniRef90_G7YDM7
UniRef90_F1KPF9
UniRef90_B3S1H1
UniRef90_C3ZFS7
UniRef90_B7PLR3
UniRef90_C3ZQC3
UniRef90_Q90WF1
UniRef90_A7RNL3
UniRef90_UPI0001A61ACA
UniRef90_UPI0001E45292
UniRef90_UPI00045452EC
UniRef90_UPI00046BF537
UniRef90_UPI00021A4059
UniRef90_W5M762
UniRef90_U3I9E7
UniRef90_T1G147
UniRef90_W5LPC7
UniRef90_A7SJI6
UniRef90_T1EJ51
UniRef90_UPI000203500D
UniRef90_G3VB12
UniRef90_UPI000258E56C
UniRef90_C3Y7V5
UniRef90_M3ZGW9
UniRef90_E3MGK4
UniRef90_D3B849
UniRef90_E9G7F1
UniRef90_T1G233
UniRef90_UPI00021A7D73
UniRef90_J9E4L5
UniRef90_G3QPP6
UniRef90_W4W1M7
UniRef90_U6NJC1
UniRef90_T1EVK3
UniRef90_B0W3E0
UniRef90_J9DR41
UniRef90_K2GW03
UniRef90_UPI000440FA1B
UniRef90_UPI0002654B81
UniRef90_Q9VDW6-2
UniRef90_UPI0003F0B23A
UniRef90_A7T157
UniRef90_G3WD60
UniRef90_A8XBE2
UniRef90_I1FCH3
UniRef90_T1PPQ3
UniRef90_K7IR53
UniRef90_UPI0002653D10
UniRef90_E0VC15
UniRef90_T1G6X7
UniRef90_T1J4U2
UniRef90_M3Z2I0
UniRef90_L8H3N1
UniRef90_J9K5E0
UniRef90_UPI00019262C2
UniRef90_UPI000359DF0E
UniRef90_F7FBW4
UniRef90_E9G6P0
UniRef90_B0W681
UniRef90_W6U5V6
UniRef90_D3BSB6
UniRef90_G7Y5X0
UniRef90_W8AC76
UniRef90_B4KBT4
UniRef90_T1PEF9
UniRef90_T1PLL7
UniRef90_E9H6J2
UniRef90_E9HE03
UniRef90_H2Y433
UniRef90_K7I5L4
UniRef90_J9E0J1
UniRef90_G5BLJ3
UniRef90_UPI0002657111
UniRef90_UPI0002A47B81
UniRef90_UPI00029D904C
UniRef90_P13466
UniRef90_G7PPH9
UniRef90_E2BGB8

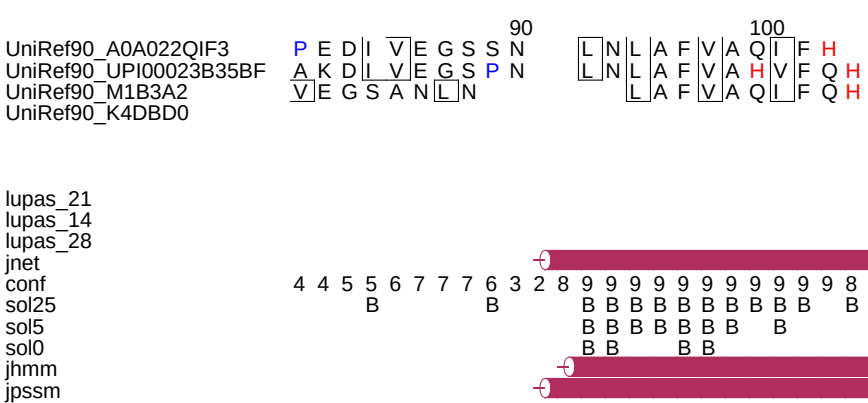

1
10
20
30
40
UniRef90_I1CK33
UniRef90_UPI00042BCE7F
UniRef90_UPI0001927192
UniRef90_D3B8A4
UniRef90_UPI000441C33E
UniRef90_E4YKJ2
UniRef90_UPI0003C27FCF
UniRef90_UPI00021A490D
UniRef90_I1FYB4
UniRef90_UPI0002C3E461
UniRef90_A0A034VCC3
UniRef90_V5G3D3
UniRef90_I3EEI9
UniRef90_Q4S6Z2
UniRef90_S2JRW3
UniRef90_F0ZJ62
UniRef90_L8IAI6
UniRef90_E3MYR8
UniRef90_L1JB09
UniRef90_L8H876
UniRef90_UPI0003BD1B27
UniRef90_W2TTH4
UniRef90_UPI0002C3F10E
UniRef90_P90545
UniRef90_A0A026W2Q2
UniRef90_A0A044U4W3
UniRef90_A0A016WBC1
UniRef90_H3F6S0
UniRef90_A0A024T8S2
UniRef90_F1KZN2
UniRef90_G3I505
UniRef90_A8Q746
UniRef90_UPI000454473A
UniRef90_K7JY08
UniRef90_F7IQM2
UniRef90_UPI0003991EF2
UniRef90_UPI0003C363AD
UniRef90_UPI0003D09B68
UniRef90_UPI0001D362D7
UniRef90_UPI0003EADAB8
UniRef90_A0A044QMT7
UniRef90_A0A016WI81
UniRef90_C4LW82
UniRef90_E3NLD2
UniRef90_A0A023EK49
UniRef90_W5PYU0
UniRef90_F2TYQ8
UniRef90_UPI0002C3E9E4
UniRef90_H9GED3
UniRef90_G1TFT2
UniRef90_F4Q732
UniRef90_R7TB09
UniRef90_UPI0003C44B63
UniRef90_B0E673
UniRef90_F0Z6H1
UniRef90_UPI0003EC0A0E
UniRef90_UPI0004572825
UniRef90_UPI0003F1BBE0
UniRef90_M7WBI9
UniRef90_I1BVU2
UniRef90_S4AAM3
UniRef90_Q6BUZ3
UniRef90_V5GYH8
UniRef90_X6M0A1
UniRef90_R1DLJ1
UniRef90_A3GG62
UniRef90_L8GGT3
UniRef90_B4PMV8
UniRef90_A0A058ZAP8
UniRef90_Q1ZXJ2
UniRef90_I1EIL4
UniRef90_B0X6K7
UniRef90_UPI0003AF3F4C
UniRef90_L8H283
UniRef90_T1FH46
UniRef90_A7S3X3
UniRef90_K1RFR0
UniRef90_W4ZJY3
UniRef90_E3MCN2
UniRef90_S4R9L7
UniRef90_B0X1S3
UniRef90_T2M988
UniRef90_A0A024TRX6
UniRef90_Q4T8G5
UniRef90_T1J799
UniRef90_J9DYA8
UniRef90_UPI000393F28A
UniRef90_A5DPZ7
UniRef90_G3HM10
UniRef90_F2UAX4
UniRef90_V8NQM8
UniRef90_M2RGT0


50
60
70
80
UniRef90_I1CK33
UniRef90_UPI00042BCE7F
UniRef90_UPI0001927192
UniRef90_D3B8A4
UniRef90_UPI000441C33E
UniRef90_E4YKJ2
UniRef90_UPI0003C27FCF
UniRef90_UPI00021A490D
UniRef90_I1FYB4
UniRef90_UPI0002C3E461
UniRef90_A0A034VCC3
UniRef90_V5G3D3
UniRef90_I3EEI9
UniRef90_Q4S6Z2
UniRef90_S2JRW3
UniRef90_F0ZJ62
UniRef90_L8IAI6
UniRef90_E3MYR8
UniRef90_L1JB09
UniRef90_L8H876
UniRef90_UPI0003BD1B27
UniRef90_W2TTH4
UniRef90_UPI0002C3F10E
UniRef90_P90545
UniRef90_A0A026W2Q2
UniRef90_A0A044U4W3
UniRef90_A0A016WBC1
UniRef90_H3F6S0
UniRef90_A0A024T8S2
UniRef90_F1KZN2
UniRef90_G3I505
UniRef90_A8Q746
UniRef90_UPI000454473A
UniRef90_K7JY08
UniRef90_F7IQM2
UniRef90_UPI0003991EF2
UniRef90_UPI0003C363AD
UniRef90_UPI0003D09B68
UniRef90_UPI0001D362D7
UniRef90_UPI0003EADAB8
UniRef90_A0A044QMT7
UniRef90_A0A016WI81
UniRef90_C4LW82
UniRef90_E3NLD2
UniRef90_A0A023EK49
UniRef90_W5PYU0
UniRef90_F2TYQ8
UniRef90_UPI0002C3E9E4
UniRef90_H9GED3
UniRef90_G1TFT2
UniRef90_F4Q732
UniRef90_R7TB09
UniRef90_UPI0003C44B63
UniRef90_B0E673
UniRef90_F0Z6H1
UniRef90_UPI0003EC0A0E
UniRef90_UPI0004572825
UniRef90_UPI0003F1BBE0
UniRef90_M7WBI9
UniRef90_I1BVU2
UniRef90_S4AAM3
UniRef90_Q6BUZ3
UniRef90_V5GYH8
UniRef90_X6M0A1
UniRef90_R1DLJ1
UniRef90_A3GG62
UniRef90_L8GGT3
UniRef90_B4PMV8
UniRef90_A0A058ZAP8
UniRef90_Q1ZXJ2
UniRef90_I1EIL4
UniRef90_B0X6K7
UniRef90_UPI0003AF3F4C
UniRef90_L8H283
UniRef90_T1FH46
UniRef90_A7S3X3
UniRef90_K1RFR0
UniRef90_W4ZJY3
UniRef90_E3MCN2
UniRef90_S4R9L7
UniRef90_B0X1S3
UniRef90_T2M988
UniRef90_A0A024TRX6
UniRef90_Q4T8G5
UniRef90_T1J799
UniRef90_J9DYA8
UniRef90_UPI000393F28A
UniRef90_A5DPZ7
UniRef90_G3HM10
UniRef90_F2UAX4
UniRef90_V8NQM8
UniRef90_M2RGT0

90
100
UniRef90_I1CK33
UniRef90_UPI00042BCE7F
UniRef90_UPI0001927192
UniRef90_D3B8A4
UniRef90_UPI000441C33E
UniRef90_E4YKJ2
UniRef90_UPI0003C27FCF
UniRef90_UPI00021A490D
UniRef90_I1FYB4
UniRef90_UPI0002C3E461
UniRef90_A0A034VCC3
UniRef90_V5G3D3
UniRef90_I3EEI9
UniRef90_Q4S6Z2
UniRef90_S2JRW3
UniRef90_F0ZJ62
UniRef90_L8IAI6
UniRef90_E3MYR8
UniRef90_L1JB09
UniRef90_L8H876
UniRef90_UPI0003BD1B27
UniRef90_W2TTH4
UniRef90_UPI0002C3F10E
UniRef90_P90545
UniRef90_A0A026W2Q2
UniRef90_A0A044U4W3
UniRef90_A0A016WBC1
UniRef90_H3F6S0
UniRef90_A0A024T8S2
UniRef90_F1KZN2
UniRef90_G3I505
UniRef90_A8Q746
UniRef90_UPI000454473A
UniRef90_K7JY08
UniRef90_F7IQM2
UniRef90_UPI0003991EF2
UniRef90_UPI0003C363AD
UniRef90_UPI0003D09B68
UniRef90_UPI0001D362D7
UniRef90_UPI0003EADAB8
UniRef90_A0A044QMT7
UniRef90_A0A016WI81
UniRef90_C4LW82
UniRef90_E3NLD2
UniRef90_A0A023EK49
UniRef90_W5PYU0
UniRef90_F2TYQ8
UniRef90_UPI0002C3E9E4
UniRef90_H9GED3
UniRef90_G1TFT2
UniRef90_F4Q732
UniRef90_R7TB09
UniRef90_UPI0003C44B63
UniRef90_B0E673
UniRef90_F0Z6H1
UniRef90_UPI0003EC0A0E
UniRef90_UPI0004572825
UniRef90_UPI0003F1BBE0
UniRef90_M7WBI9
UniRef90_I1BVU2
UniRef90_S4AAM3
UniRef90_Q6BUZ3
UniRef90_V5GYH8
UniRef90_X6M0A1
UniRef90_R1DLJ1
UniRef90_A3GG62
UniRef90_L8GGT3
UniRef90_B4PMV8
UniRef90_A0A058ZAP8
UniRef90_Q1ZXJ2
UniRef90_I1EIL4
UniRef90_B0X6K7
UniRef90_UPI0003AF3F4C
UniRef90_L8H283
UniRef90_T1FH46
UniRef90_A7S3X3
UniRef90_K1RFR0
UniRef90_W4ZJY3
UniRef90_E3MCN2
UniRef90_S4R9L7
UniRef90_B0X1S3
UniRef90_T2M988
UniRef90_A0A024TRX6
UniRef90_Q4T8G5
UniRef90_T1J799
UniRef90_J9DYA8
UniRef90_UPI000393F28A
UniRef90_A5DPZ7
UniRef90_G3HM10
UniRef90_F2UAX4
UniRef90_V8NQM8
UniRef90_M2RGT0


1 10 20 30 40
UniRef90_A0A022QIF3 P E K I L L K W M N L K K A G Y K K T V S N F S S D L K D G E A Y A Y L L
UniRef90_UPI00023B35BF P E K I L L R W M Q L K K A G Y K R I V T N F S T D V K D G E A Y A H L L
UniRef90_M1B3A2 S P E K V L L K W M N L K K A G Y K K E V T N F S S D L K D G E A Y A H L L
UniRef90_K4DBD0 S P E K V L L K W M N L K K A G Y K K E V T N F S S D L K D G E A Y A H L L
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


50
60
70
80
UniRef90_A0A022QIF3 N V L A P E H C S T A T L D A K D P T E R A N L V L E H A E K M D C K R Y L S
UniRef90_UPI00023B35BF N V L A P E H S N P S T L S V K D P L E R A K L I L E H A D R M G C K R Y L T
UniRef90_M1B3A2 N T L A P E H G T T N T L D T E D P T E R A N L I L E Q A E K Q R Y V T P K D I
UniRef90_K4DBD0 N T L A P E H G T T S T L D T E D P T E R A N L I L E Q A E K
lupas_21
lupas_14
lupas_28
jnet
conf 3 2 0 0 1 3 1 3 3 2 0 2 6 8 7 6 3 7 8 9 9 9 9 9 9 9 9 8 7 5 0 3 6 7 7 7 6 6 5
sol25 B B B B B B B B B B B
sol5 B B B B B B B
sol0 B
jhmm
jpssm


90
100
UniRef90_A0A022QIF3 P E D I V E G S S N L N L A F V A Q I F H
UniRef90_UPI00023B35BF A K D I V E G S P N L N L A F V A H V F Q H
UniRef90_M1B3A2 V E G S A N L N L A F V A Q I F Q H
UniRef90_K4DBD0
lupas_21
lupas_14
lupas_28
jnet
conf 4 4 5 5 6 7 7 7 6 3 2 8 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 B B B B B B B B B B B B B
sol5 B B B B B B B B B B B B B B B B B B B B B B B B B B B
sol0 B B B B B B B B B B B B B B B B B B B B B B B B B B B
jhmm
jpssm