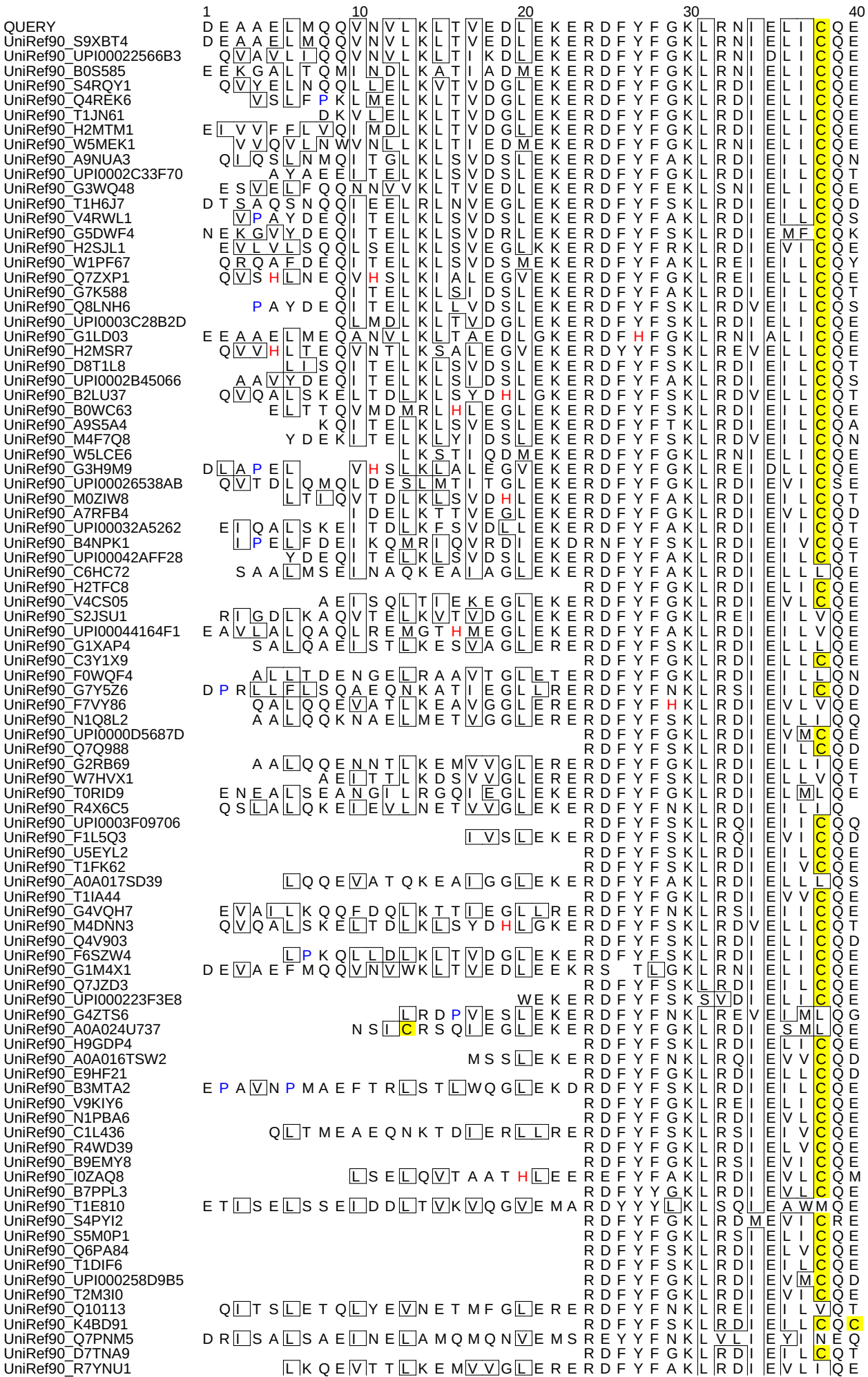
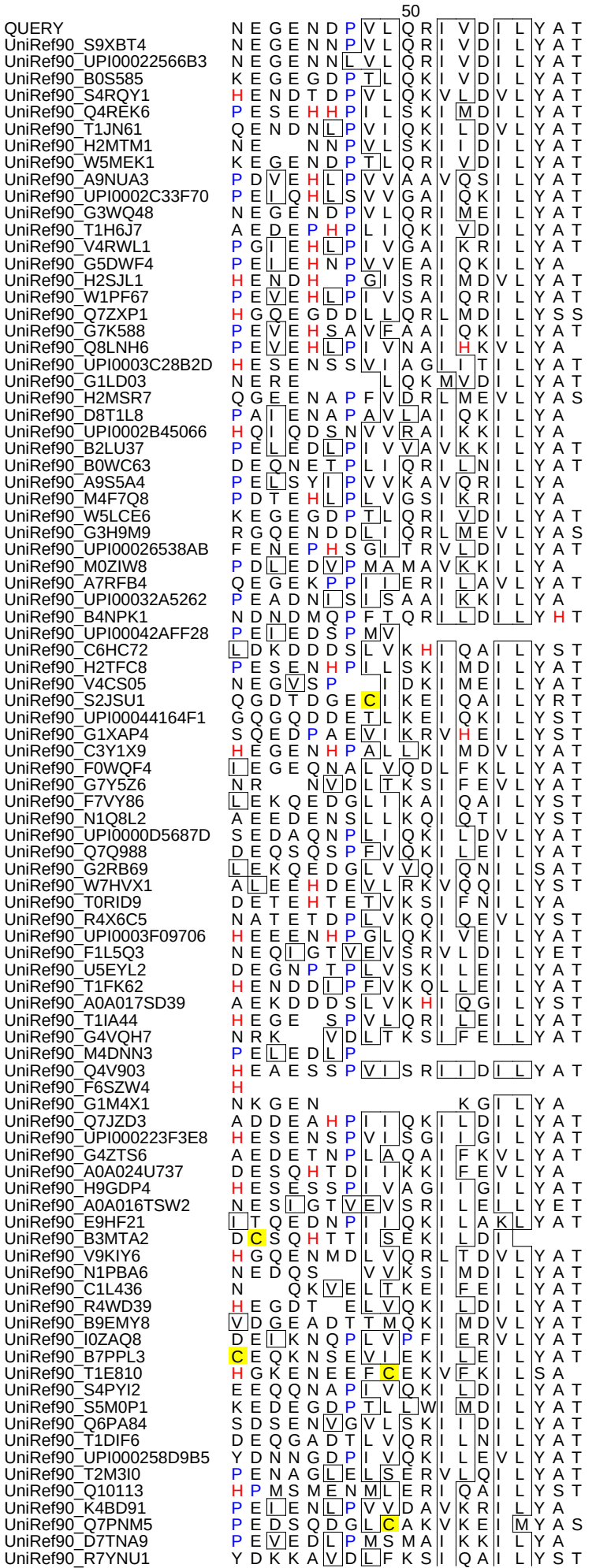
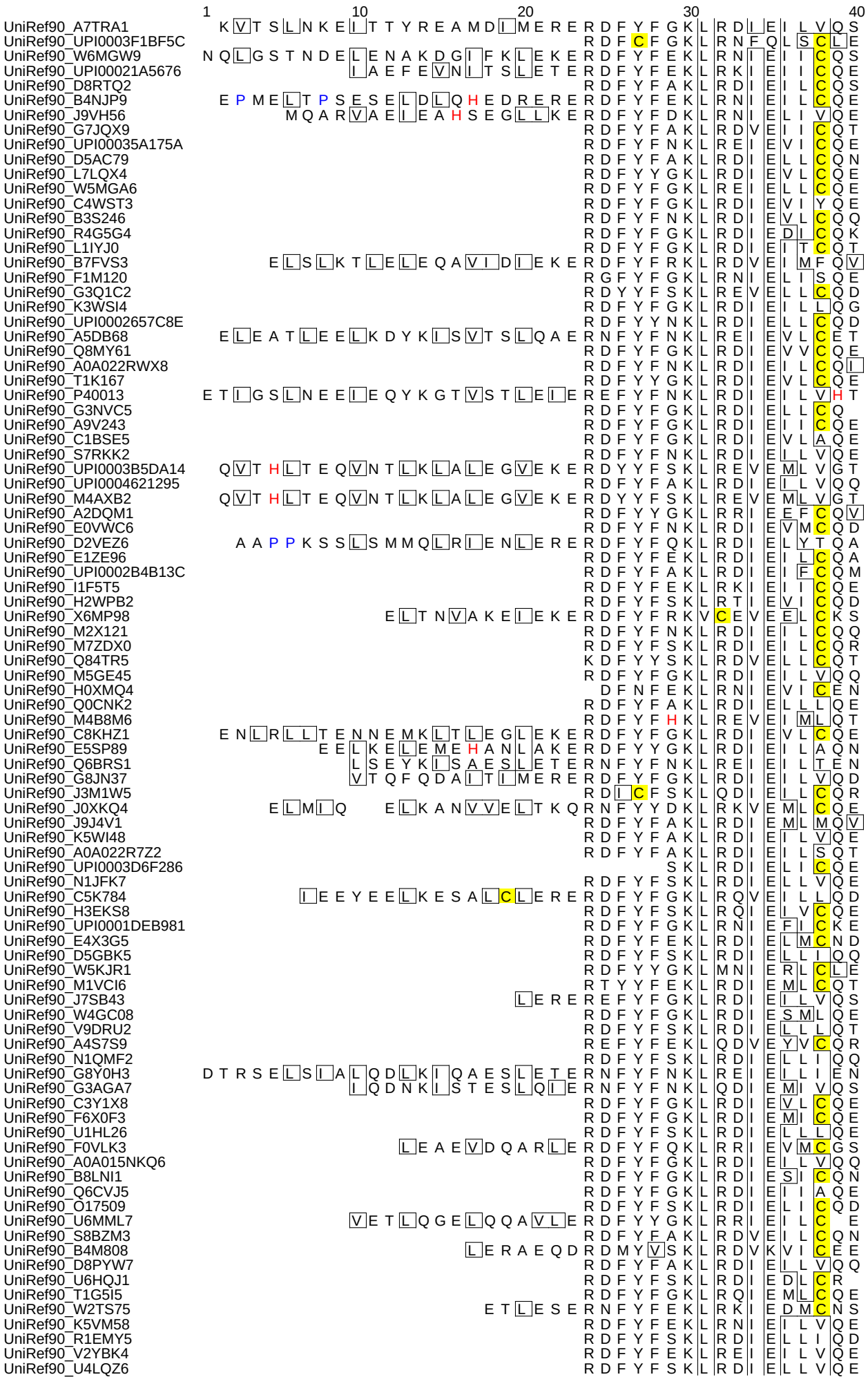
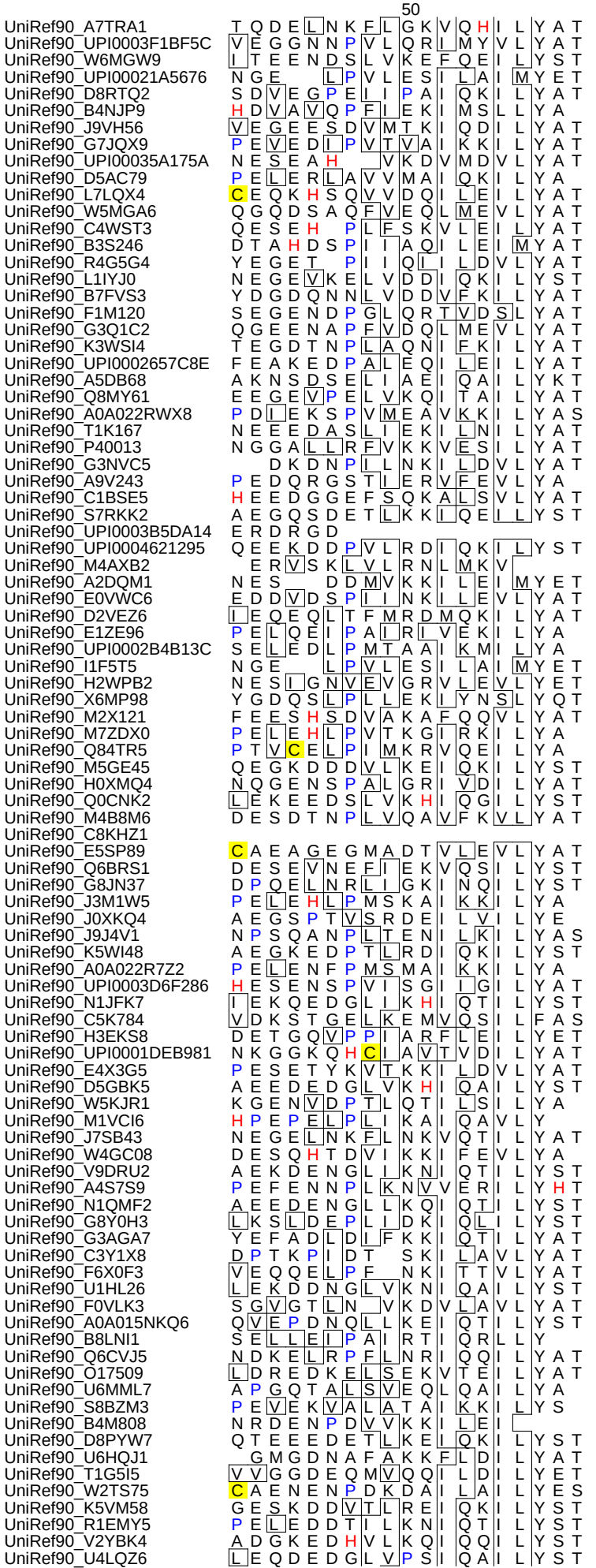
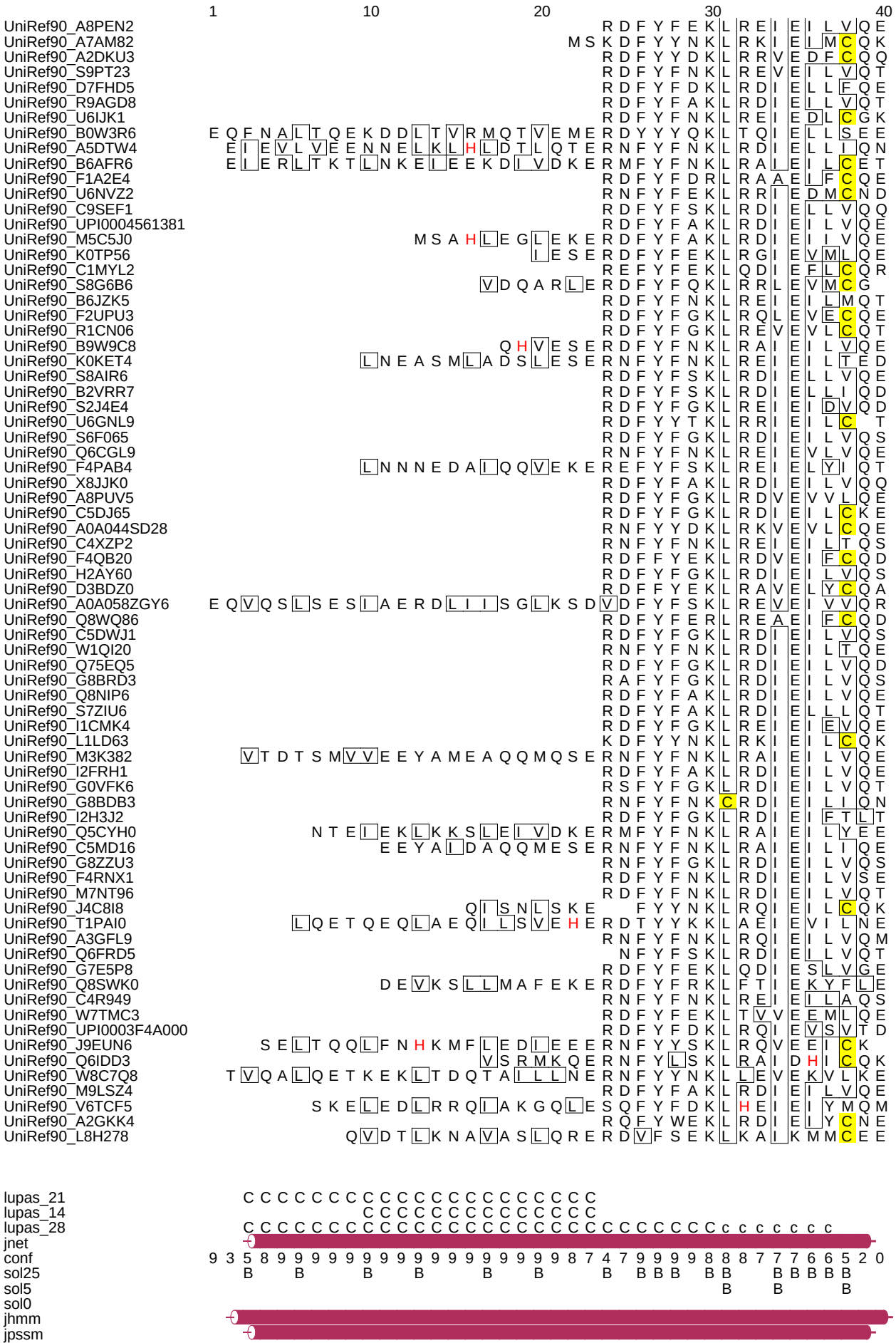

1
10
20
30
40
QUERY
UniRef90_S9XBT4
UniRef90_UPI00022566B3
UniRef90_B0S585
UniRef90_S4RQY1
UniRef90_Q4REK6
UniRef90_T1JN61
UniRef90_H2MTM1
UniRef90_W5MEK1
UniRef90_A9NUA3
UniRef90_UPI0002C33F70
UniRef90_G3WQ48
UniRef90_T1H6J7
UniRef90_V4RWL1
UniRef90_G5DWF4
UniRef90_H2SJL1
UniRef90_W1PF67
UniRef90_Q7ZXP1
UniRef90_G7K588
UniRef90_Q8LNH6
UniRef90_UPI0003C28B2D
UniRef90_G1LD03
UniRef90_H2MSR7
UniRef90_D8T1L8
UniRef90_UPI0002B45066
UniRef90_B2LU37
UniRef90_B0WC63
UniRef90_A9S5A4
UniRef90_M4F7Q8
UniRef90_W5LCE6
UniRef90_G3H9M9
UniRef90_UPI00026538AB
UniRef90_M0ZIW8
UniRef90_A7RFB4
UniRef90_UPI00032A5262
UniRef90_B4NPK1
UniRef90_UPI00042AFF28
UniRef90_C6HC72
UniRef90_H2TFC8
UniRef90_V4CS05
UniRef90_S2JSU1
UniRef90_UPI00044164F1
UniRef90_G1XAP4
UniRef90_C3Y1X9
UniRef90_F0WQF4
UniRef90_G7Y5Z6
UniRef90_F7VY86
UniRef90_N1Q8L2
UniRef90_UPI0000D5687D
UniRef90_Q7Q988
UniRef90_G2RB69
UniRef90_W7HVX1
UniRef90_T0RID9
UniRef90_R4X6C5
UniRef90_UPI0003F09706
UniRef90_F1L5Q3
UniRef90_U5EYL2
UniRef90_T1FK62
UniRef90_A0A017SD39
UniRef90_T1IA44
UniRef90_G4VQH7
UniRef90_M4DNN3
UniRef90_Q4V903
UniRef90_F6SZW4
UniRef90_G1M4X1
UniRef90_Q7JZD3
UniRef90_UPI000223F3E8
UniRef90_G4ZTS6
UniRef90_A0A024U737
UniRef90_H9GDP4
UniRef90_A0A016TSW2
UniRef90_E9HF21
UniRef90_B3MTA2
UniRef90_V9KIY6
UniRef90_N1PBA6
UniRef90_C1L436
UniRef90_R4WD39
UniRef90_B9EMY8
UniRef90_I0ZAQ8
UniRef90_B7PPL3
UniRef90_T1E810
UniRef90_S4PYI2
UniRef90_S5M0P1
UniRef90_Q6PA84
UniRef90_T1DIF6
UniRef90_UPI000258D9B5
UniRef90_T2M3I0
UniRef90_Q10113
UniRef90_K4BD91
UniRef90_Q7PNM5
UniRef90_D7TNA9
UniRef90_R7YNU1


50
QUERY N E G E N D P V L Q R I V D I L Y A T
UniRef90_S9XBT4 N E G E N N P V L Q R I V D I L Y A T
UniRef90_UPI00022566B3 N E G E N N L V L Q R I V D I L Y A T
UniRef90_B0S585 K E G E G D P T L Q K I V D I L Y A T
UniRef90_S4RQY1 H E N D T D P V L Q K V L D V L Y A T
UniRef90_Q4REK6 P E S E H H P I L S K I M D I L Y A T
UniRef90_T1JN61 Q E N D N L P V I Q K I L D V L Y A T
UniRef90_H2MTM1 N E N N P V L S K I I D I L Y A T
UniRef90_W5MEK1 K E G E N D P T L Q R I V D I L Y A T
UniRef90_A9NUA3 P D V E H L P V V A A V Q S I L Y A T
UniRef90_UPI0002C33F70 P E I Q H L S V V G A I Q K I L Y A T
UniRef90_G3WQ48 N E G E N D P V L Q R I M E I L Y A T
UniRef90_T1H6J7 A E D E P H P L I Q K I V D I L Y A T
UniRef90_V4RWL1 P G I E H L P I V G A I K R I L Y A T
UniRef90_G5DWF4 P E I E H N P V V E A I Q K I L Y A
UniRef90_H2SJL1 H E N D H P G I S R I M D V L Y A T
UniRef90_W1PF67 P E V E H L P I V S A I Q R I L Y A T
UniRef90_Q7ZXP1 H G Q E G D D L L Q R L M D I L Y S S
UniRef90_G7K588 P E V E H S A V F A A I Q K I L Y A T
UniRef90_Q8LNH6 P E V E H L P I V N A I H K V L Y A
UniRef90_UPI0003C28B2D H E S E N S S V I A G I I T I L Y A T
UniRef90_G1LD03 N E R E L Q K M V D I L Y A T
UniRef90_H2MSR7 Q G E E N A P F V D R L M E V L Y A S
UniRef90_D8T1L8 P A I E N A P A V L A I Q K I L Y A
UniRef90_UPI0002B45066 H Q I Q D S N V V R A I K K I L Y A
UniRef90_B2LU37 P E L E D L P I V V A V K K I L Y A T
UniRef90_B0WC63 D E Q N E T P L I Q R I L N I L Y A T
UniRef90_A9S5A4 P E L S Y I P V V K A V Q R I L Y A
UniRef90_M4F7Q8 P D T E H L P L V G S I K R I L Y A
UniRef90_W5LCE6 K E G E G D P T L Q R I V D I L Y A T
UniRef90_G3H9M9 R G Q E N D D L I Q R L M E V L Y A S
UniRef90_UPI00026538AB F E N E P H S G I T R V L D I L Y A T
UniRef90_M0ZIW8 P D L E D V P M A M A V K K I L Y A
UniRef90_A7RFB4 Q E G E K P P I I E R I L A V L Y A T
UniRef90_UPI00032A5262 P E A D N I S I S A A I K K I L Y A
UniRef90_B4NPK1 N D N D M Q P F T Q R I L D I L Y H T
UniRef90_UPI00042AFF28 P E I E D S P M V
UniRef90_C6HC72 L D K D D D S L V K H I Q A I L Y S T
UniRef90_H2TFC8 P E S E N H P I L S K I M D I L Y A T
UniRef90_V4CS05 N E G V S P I D K I M E I L Y A T
UniRef90_S2JSU1 Q G D T D G E C I K E I Q A I L Y R T
UniRef90_UPI00044164F1 G Q G Q D D E T L K E I Q K I L Y S T
UniRef90_G1XAP4 S Q E D P A E V I K R V H E I L Y S T
UniRef90_C3Y1X9 H E G E N H P A L L K I M D V L Y A T
UniRef90_F0WQF4 I E G E Q N A L V Q D L F K L L Y A T
UniRef90_G7Y5Z6 N R N V D L T K S I F E V L Y A T
UniRef90_F7VY86 L E K Q E D G L I K A I Q A I L Y S T
UniRef90_N1Q8L2 A E E D E N S L L K Q I Q T I L Y S T
UniRef90_UPI0000D5687D S E D A Q N P L I Q K I L D V L Y A T
UniRef90_Q7Q988 D E Q S Q S P F V Q K I L E I L Y A T
UniRef90_G2RB69 L E K Q E D G L V V Q I Q N I L S A T
UniRef90_W7HVX1 A L E E H D E V L R K V Q Q I L Y S T
UniRef90_T0RID9 D E T E H T E T V K S I F N I L Y A
UniRef90_R4X6C5 N A T E T D P L V K Q I Q E V L Y S T
UniRef90_UPI0003F09706 H E E E N H P G L Q K I V E I L Y A T
UniRef90_F1L5Q3 N E Q I G T V E V S R V L D I L Y E T
UniRef90_U5EYL2 D E G N P T P L V S K I L E I L Y A T
UniRef90_T1FK62 H E N D D I P F V K Q L L E I L Y A T
UniRef90_A0A017SD39 A E K D D D S L V K H I Q G I L Y S T
UniRef90_T1IA44 H E G E S P V L Q R I L E I L Y A T
UniRef90_G4VQH7 N R K V D L T K S I F E I L Y A T
UniRef90_M4DNN3 P E L E D L P
UniRef90_Q4V903 H E A E S S P V I S R I I D I L Y A T
UniRef90_F6SZW4 H
UniRef90_G1M4X1 N K G E N K G I L Y A
UniRef90_Q7JZD3 A D D E A H P I I Q K I L D I L Y A T
UniRef90_UPI000223F3E8 H E S E N S P V I S G I I G I L Y A T
UniRef90_G4ZTS6 A E D E T N P L A Q A I F K V L Y A T
UniRef90_A0A024U737 D E S Q H T D I I K K I F E V L Y A
UniRef90_H9GDP4 H E S E S S P I V A G I I G I L Y A T
UniRef90_A0A016TSW2 N E S I G T V E V S R I L E I L Y E T
UniRef90_E9HF21 I T Q E D N P I I Q K I L A K L Y A T
UniRef90_B3MTA2 D C S Q H T T I S E K I L D I
UniRef90_V9KIY6 H G Q E N M D L V Q R L T D V L Y A T
UniRef90_N1PBA6 N E D Q S V V K S I M D I L Y A T
UniRef90_C1L436 N Q K V E L T K E I F E I L Y A T
UniRef90_R4WD39 H E G D T E L V Q K I L D I L Y A T
UniRef90_B9EMY8 V D G E A D T T M Q K I M D V L Y A T
UniRef90_I0ZAQ8 D E I K N Q P L V P F I E R V L Y A T
UniRef90_B7PPL3 C E Q K N S E V I E K I L E I L Y A T
UniRef90_T1E810 H G K E N E E F C E K V F K I L S A
UniRef90_S4PYI2 E E Q Q N A P I V Q K I L D I L Y A T
UniRef90_S5M0P1 K E D E G D P T L L W I M D I L Y A T
UniRef90_Q6PA84 S D S E N V G V L S K I I D I L Y A T
UniRef90_T1DIF6 D E Q G A D T L V Q R I L N I L Y A T
UniRef90_UPI000258D9B5 Y D N N G D P I V Q K I L E V L Y A T
UniRef90_T2M3I0 P E N A G L E L S E R V L Q I L Y A T
UniRef90_Q10113 H P M S M E N M L E R I Q A I L Y S T
UniRef90_K4BD91 P E I E N L P V V D A V K R I L Y A
UniRef90_Q7PNM5 P E D S Q D G L C A K V K E I M Y A S
UniRef90_D7TNA9 P E V E D L P M S M A I K K I L Y A
UniRef90_R7YNU1 Y D K K A V D L F K S I Q A I L Y S T


1 10 20 30 40
UniRef90_A7TRA1 K V T S L N K E I T T Y R E A M D I M E R E R D F Y F G K L R D I E I L V Q S
UniRef90_UPI0003F1BF5C R D F C F G K L R N F Q L S C L E
UniRef90_W6MGW9 N Q L G S T N D E L E N A K D G I F K L E K E R D F Y F E K L R N I E I I C Q S
UniRef90_UPI00021A5676 I A E F E V N I T S L E T E R D F Y F E K L R K I E I I C Q E
UniRef90_D8RTQ2 R D F Y F A K L R D I E I L C Q S
UniRef90_B4NJP9 E P M E L T P S E S E L D L Q H E D R E R E R D F Y F E K L R N I E I L C Q E
UniRef90_J9VH56 M Q A R V A E I E A H S E G L L K E R D F Y F D K L R N I E L I V Q E
UniRef90_G7JQX9 R D F Y F A K L R D V E I I C Q T
UniRef90_UPI00035A175A R D F Y F N K L R E I E V I C Q E
UniRef90_D5AC79 R D F Y F A K L R D I E L L C Q N
UniRef90_L7LQX4 R D F Y Y G K L R D I E V L C Q E
UniRef90_W5MGA6 R D F Y F G K L R E I E L L C Q E
UniRef90_C4WST3 R D F Y F G K L R D I E V I Y Q E
UniRef90_B3S246 R D F Y F N K L R D I E V L C Q Q
UniRef90_R4G5G4 R D F Y F G K L R D I E D I C Q K
UniRef90_L1IYJ0 R D F Y F G K L R D I E I T C Q T
UniRef90_B7FVS3 E L S L K T L E L E Q A V I D I E K E R D F Y F R K L R D V E I M F Q V
UniRef90_F1M120 R G F Y F G K L R N I E L I S Q E
UniRef90_G3Q1C2 R D Y Y F S K L R E V E L L C Q D
UniRef90_K3WSI4 R D F Y F G K L R D I E I L L Q G
UniRef90_UPI0002657C8E R D F Y Y N K L R D I E L L C Q D
UniRef90_A5DB68 E L E A T L E E L K D Y K I S V T S L Q A E R N F Y F N K L R E I E V L C E T
UniRef90_Q8MY61 R D F Y F G K L R D I E V V C Q E
UniRef90_A0A022RWX8 R D F Y F N K L R D I E I L C Q I
UniRef90_T1K167 R D F Y Y G K L R D I E V L C Q E
UniRef90_P40013 E T I G S L N E E I E Q Y K G T V S T L E I E R E F Y F N K L R D I E I L V H T
UniRef90_G3NVC5 R D F Y F G K L R D I E L L C Q
UniRef90_A9V243 R D F Y F G K L R D I E I I C Q E
UniRef90_C1BSE5 R D F Y F G K L R D I E V L A Q E
UniRef90_S7RKK2 R D F Y F N K L R D I E I L V Q E
UniRef90_UPI0003B5DA14 Q V T H L T E Q V N T L K L A L E G V E K E R D Y Y F S K L R E V E M L V G T
UniRef90_UPI0004621295 R D F Y F A K L R D I E I L V Q Q
UniRef90_M4AXB2 Q V T H L T E Q V N T L K L A L E G V E K E R D Y Y F S K L R E V E M L V G T
UniRef90_A2DQM1 R D F Y Y G K L R R I E E F C Q V
UniRef90_E0VWC6 R D F Y F N K L R D I E V M C Q D
UniRef90_D2VEZ6 A A P P K S S L S M M Q L R I E N L E R E R D F Y F Q K L R D I E L Y T Q A
UniRef90_E1ZE96 R D F Y F E K L R D I E I L C Q A
UniRef90_UPI0002B4B13C R D F Y F A K L R D I E I F C Q M
UniRef90_I1F5T5 R D F Y F E K L R K I E I I C Q E
UniRef90_H2WPB2 R D F Y F S K L R T I E V I C Q D
UniRef90_X6MP98 E L T N V A K E I E K E R D F Y F R K V C E V E E L C K S
UniRef90_M2X121 R D F Y F N K L R D I E I L C Q Q
UniRef90_M7ZDX0 R D F Y F S K L R D I E I L C Q R
UniRef90_Q84TR5 K D F Y Y S K L R D V E L L C Q T
UniRef90_M5GE45 R D F Y F G K L R D I E I L V Q Q
UniRef90_H0XMQ4 D F N F E K L R N I E V I C E N
UniRef90_Q0CNK2 R D F Y F A K L R D I E L L L Q E
UniRef90_M4B8M6 R D F Y F H K L R E V E I M L Q T
UniRef90_C8KHZ1 E N L R L L T E N N E M K L T L E G L E K E R D F Y F G K L R D I E V L C Q E
UniRef90_E5SP89 E E L K E L E M E H A N L A K E R D F Y Y G K L R D I E I L A Q N
UniRef90_Q6BRS1 L S E Y K I S A E S L E T E R N F Y F N K L R E I E I L T E N
UniRef90_G8JN37 V T Q F Q D A I T I M E R E R D F Y F G K L R D I E I L V Q D
UniRef90_J3M1W5 R D I C F S K L Q D I E I L C Q R
UniRef90_J0XKQ4 E L M I Q E L K A N V V E L T K Q R N F Y Y D K L R K V E M L C Q E
UniRef90_J9J4V1 R D F Y F A K L R D I E M L M Q V
UniRef90_K5WI48 R D F Y F A K L R D I E I L V Q E
UniRef90_A0A022R7Z2 R D F Y F A K L R D I E I L S Q T
UniRef90_UPI0003D6F286 S K L R D I E L I C Q E
UniRef90_N1JFK7 R D F Y F S K L R D I E L L V Q E
UniRef90_C5K784 I E E Y E E L K E S A L C L E R E R D F Y F G K L R Q V E I L L Q D
UniRef90_H3EKS8 R D F Y F S K L R Q I E I V C Q E
UniRef90_UPI0001DEB981 R D F Y F G K L R N I E F I C K E
UniRef90_E4X3G5 R D F Y F E K L R D I E L M C N D
UniRef90_D5GBK5 R D F Y F S K L R D I E L L I Q Q
UniRef90_W5KJR1 R D F Y Y G K L M N I E R L C L E
UniRef90_M1VCI6 R T Y Y F E K L R D I E M L C Q T
UniRef90_J7SB43 L E R E R E F Y F G K L R D I E I L V Q S
UniRef90_W4GC08 R D F Y F G K L R D I E S M L Q E
UniRef90_V9DRU2 R D F Y F S K L R D I E L L L Q T
UniRef90_A4S7S9 R E F Y F E K L Q D V E Y V C Q R
UniRef90_N1QMF2 R D F Y F S K L R D I E L L I Q Q
UniRef90_G8Y0H3 D T R S E L S I A L Q D L K I Q A E S L E T E R N F Y F N K L R E I E I L I E N
UniRef90_G3AGA7 I Q D N K I S T E S L Q I E R N F Y F N K L Q D I E M I V Q S
UniRef90_C3Y1X8 R D F Y F G K L R D I E V L C Q E
UniRef90_F6X0F3 R D F Y F G K L R D I E M I C Q E
UniRef90_U1HL26 R D F Y F S K L R D I E L L L Q E
UniRef90_F0VLK3 L E A E V D Q A R L E R D F Y F Q K L R R I E V M C G S
UniRef90_A0A015NKQ6 R D F Y F G K L R D I E I L V Q Q
UniRef90_B8LNI1 R D F Y F G K L R D I E S I C Q N
UniRef90_Q6CVJ5 R D F Y F G K L R D I E I I A Q E
UniRef90_O17509 R D F Y F S K L R D I E L I C Q D
UniRef90_U6MML7 V E T L Q G E L Q Q A V L E R D F Y Y G K L R R I E I L C E
UniRef90_S8BZM3 R D F Y F A K L R D V E I L C Q N
UniRef90_B4M808 L E R A E Q D R D M Y V S K L R D V K V I C E E
UniRef90_D8PYW7 R D F Y F A K L R D I E I L V Q Q
UniRef90_U6HQJ1 R D F Y F S K L R D I E D L C R
UniRef90_T1G5I5 R D F Y F G K L R Q I E M L C Q E
UniRef90_W2TS75 E T L E S E R N F Y F E K L R K I E D M C N S
UniRef90_K5VM58 R D F Y F E K L R N I E I L V Q E
UniRef90_R1EMY5 R D F Y F S K L R D I E L L I Q D
UniRef90_V2YBK4 R D F Y F E K L R E I E I L V Q E
UniRef90_U4LQZ6 R D F Y F S K L R D I E L L V Q E


50
UniRef90_A7TRA1 T Q D E L N K F L G K V Q H I L Y A T
UniRef90_UPI0003F1BF5C V E G G N N P V L Q R I M Y V L Y A T
UniRef90_W6MGW9 I T E E N D S L V K E F Q E I L Y S T
UniRef90_UPI00021A5676 N G E L P V L E S I L A I M Y E T
UniRef90_D8RTQ2 S D V E G P E I I P A I Q K I L Y A T
UniRef90_B4NJP9 H D V A V Q P F I E K I M S L L Y A
UniRef90_J9VH56 V E G E E S D V M T K I Q D I L Y A T
UniRef90_G7JQX9 P E V E D I P V T V A I K K I L Y A T
UniRef90_UPI00035A175A N E S E A H V K D V M D V L Y A T
UniRef90_D5AC79 P E L E R L A V V M A I Q K I L Y A
UniRef90_L7LQX4 C E Q K H S Q V V D Q I L E I L Y A T
UniRef90_W5MGA6 Q G Q D S A Q F V E Q L M E V L Y A T
UniRef90_C4WST3 Q E S E H P L F S K V L E I L Y A T
UniRef90_B3S246 D T A H D S P I I A Q I L E I M Y A T
UniRef90_R4G5G4 Y E G E T P I I Q I L D V L Y A T
UniRef90_L1IYJ0 N E G E V K E L V D D I Q K I L Y S T
UniRef90_B7FVS3 Y D G D Q N N L V D D V F K I L Y A T
UniRef90_F1M120 S E G E N D P G L Q R T V D S L Y A T
UniRef90_G3Q1C2 Q G E E N A P F V D Q L M E V L Y A T
UniRef90_K3WSI4 T E G D T N P L A Q N I F K I L Y A T
UniRef90_UPI0002657C8E F E A K E D P A L E Q I L E I L Y A T
UniRef90_A5DB68 A K N S D S E L I A E I Q A I L Y K T
UniRef90_Q8MY61 E E G E V P E L V K Q I T A I L Y A T
UniRef90_A0A022RWX8 P D I E K S P V M E A V K K I L Y A S
UniRef90_T1K167 N E E E D A S L I E K I L N I L Y A T
UniRef90_P40013 N G G A L L R F V K K V E S I L Y A T
UniRef90_G3NVC5 D K D N P I L N K I L D V L Y A T
UniRef90_A9V243 P E D Q R G S T I E R V F E V L Y A
UniRef90_C1BSE5 H E E D G G E F S Q K A L S V L Y A T
UniRef90_S7RKK2 A E G Q S D E T L K K I Q E I L Y S T
UniRef90_UPI0003B5DA14 E R D R G D
UniRef90_UPI0004621295 Q E E K D D P V L R D I Q K I L Y S T
UniRef90_M4AXB2 E R V S K L V L R N L M K V
UniRef90_A2DQM1 N E S D D M V K K I L E I M Y E T
UniRef90_E0VWC6 E D D V D S P I I N K I L E V L Y A T
UniRef90_D2VEZ6 I E Q E Q L T F M R D M Q K I L Y A T
UniRef90_E1ZE96 P E L Q E I P A I R I V E K I L Y A
UniRef90_UPI0002B4B13C S E L E D L P M T A A I K M I L Y A
UniRef90_I1F5T5 N G E L P V L E S I L A I M Y E T
UniRef90_H2WPB2 N E S I G N V E V G R V L E V L Y E T
UniRef90_X6MP98 Y G D Q S L P L L E K I Y N S L Y Q T
UniRef90_M2X121 F E E S H S D V A K A F Q Q V L Y A T
UniRef90_M7ZDX0 P E L E H L P V T K G I R K I L Y A
UniRef90_Q84TR5 P T V C E L P I M K R V Q E I L Y A
UniRef90_M5GE45 Q E G K D D D V L K E I Q K I L Y S T
UniRef90_H0XMQ4 N Q G E N S P A L G R I V D I L Y A T
UniRef90_Q0CNK2 L E K E E D S L V K H I Q G I L Y S T
UniRef90_M4B8M6 D E S D T N P L V Q A V F K V L Y A T
UniRef90_C8KHZ1
UniRef90_E5SP89 C A E A G E G M A D T V L E V L Y A T
UniRef90_Q6BRS1 D E S E V N E F I E K V Q S I L Y S T
UniRef90_G8JN37 D P Q E L N R L I G K I N Q I L Y S T
UniRef90_J3M1W5 P E L E H L P M S K A I K K I L Y A
UniRef90_J0XKQ4 A E G S P T V S R D E I L V I L Y E
UniRef90_J9J4V1 N P S Q A N P L T E N I L K I L Y A S
UniRef90_K5WI48 A E G K E D P T L R D I Q K I L Y S T
UniRef90_A0A022R7Z2 P E L E N F P M S M A I K K I L Y A
UniRef90_UPI0003D6F286 H E S E N S P V I S G I I G I L Y A T
UniRef90_N1JFK7 I E K Q E D G L I K H I Q T I L Y S T
UniRef90_C5K784 V D K S T G E L K E M V Q S I L F A S
UniRef90_H3EKS8 D E T G Q V P P I A R F L E I L Y E T
UniRef90_UPI0001DEB981 N K G G K Q H C I A V T V D I L Y A T
UniRef90_E4X3G5 P E S E T Y K V T K K I L D V L Y A T
UniRef90_D5GBK5 A E E D E D G L V K H I Q A I L Y S T
UniRef90_W5KJR1 K G E N V D P T L Q T I L S I L Y A
UniRef90_M1VCI6 H P E P E L P L I K A I Q A V L Y
UniRef90_J7SB43 N E G E L N K F L N K V Q T I L Y A T
UniRef90_W4GC08 D E S Q H T D V I K K I F E V L Y A
UniRef90_V9DRU2 A E K D E N G L I K N I Q T I L Y S T
UniRef90_A4S7S9 P E F E N N P L K N V V E R I L Y H T
UniRef90_N1QMF2 A E E D E N G L L K Q I Q T I L Y S T
UniRef90_G8Y0H3 L K S L D E P L I D K I Q L I L Y S T
UniRef90_G3AGA7 Y E F A D L D I F K K I Q T I L Y A T
UniRef90_C3Y1X8 D P T K P I D T S K I L A V L Y A T
UniRef90_F6X0F3 V E Q Q E L P F N K I T T V L Y A T
UniRef90_U1HL26 L E K D D N G L V K N I Q A I L Y S T
UniRef90_F0VLK3 S G V G T L N V K D V L A V L Y A T
UniRef90_A0A015NKQ6 Q V E P D N Q L L K E I Q T I L Y S T
UniRef90_B8LNI1 S E L L E I P A I R T I Q R L L Y
UniRef90_Q6CVJ5 N D K E L R P F L N R I Q Q I L Y A T
UniRef90_O17509 L D R E D K E L S E K V T E I L Y A T
UniRef90_U6MML7 A P G Q T A L S V E Q L Q A I L Y A
UniRef90_S8BZM3 P E V E K V A L A T A I K K I L Y S
UniRef90_B4M808 N R D E N P D V V K K I L E I
UniRef90_D8PYW7 Q T E E E D E T L K E I Q K I L Y S T
UniRef90_U6HQJ1 G M G D N A F A K K F L D I L Y A T
UniRef90_T1G5I5 V V G G D E Q M V Q Q I L D I L Y E T
UniRef90_W2TS75 C A E N E N P D K D A I L A I L Y E S
UniRef90_K5VM58 G E S K D D V T L R E I Q K I L Y S T
UniRef90_R1EMY5 P E L E D D T I L K N I Q T I L Y S T
UniRef90_V2YBK4 A D G K E D H V L K Q I Q Q I L Y S T
UniRef90_U4LQZ6 L E Q D E D G L V P S I Q A I L Y S T


1
10
20
30
40
UniRef90_A8PEN2
UniRef90_A7AM82
UniRef90_A2DKU3
UniRef90_S9PT23
UniRef90_D7FHD5
UniRef90_R9AGD8
UniRef90_U6IJK1
UniRef90_B0W3R6
UniRef90_A5DTW4
UniRef90_B6AFR6
UniRef90_F1A2E4
UniRef90_U6NVZ2
UniRef90_C9SEF1
UniRef90_UPI0004561381
UniRef90_M5C5J0
UniRef90_K0TP56
UniRef90_C1MYL2
UniRef90_S8G6B6
UniRef90_B6JZK5
UniRef90_F2UPU3
UniRef90_R1CN06
UniRef90_B9W9C8
UniRef90_K0KET4
UniRef90_S8AIR6
UniRef90_B2VRR7
UniRef90_S2J4E4
UniRef90_U6GNL9
UniRef90_S6F065
UniRef90_Q6CGL9
UniRef90_F4PAB4
UniRef90_X8JJK0
UniRef90_A8PUV5
UniRef90_C5DJ65
UniRef90_A0A044SD28
UniRef90_C4XZP2
UniRef90_F4QB20
UniRef90_H2AY60
UniRef90_D3BDZ0
UniRef90_A0A058ZGY6
UniRef90_Q8WQ86
UniRef90_C5DWJ1
UniRef90_W1QI20
UniRef90_Q75EQ5
UniRef90_G8BRD3
UniRef90_Q8NIP6
UniRef90_S7ZIU6
UniRef90_I1CMK4
UniRef90_L1LD63
UniRef90_M3K382
UniRef90_I2FRH1
UniRef90_G0VFK6
UniRef90_G8BDB3
UniRef90_I2H3J2
UniRef90_Q5CYH0
UniRef90_C5MD16
UniRef90_G8ZZU3
UniRef90_F4RNX1
UniRef90_M7NT96
UniRef90_J4C8I8
UniRef90_T1PAI0
UniRef90_A3GFL9
UniRef90_Q6FRD5
UniRef90_G7E5P8
UniRef90_Q8SWK0
UniRef90_C4R949
UniRef90_W7TMC3
UniRef90_UPI0003F4A000
UniRef90_J9EUN6
UniRef90_Q6IDD3
UniRef90_W8C7Q8
UniRef90_M9LSZ4
UniRef90_V6TCF5
UniRef90_A2GKK4
UniRef90_L8H278
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm

50
UniRef90_A8PEN2 Q E Q G D Q E V F T R I Q K I L Y S T
UniRef90_A7AM82 N E N G H C D V N K L F D I M Y A T
UniRef90_A2DKU3 H E D V D L I Q T I L G I L Y E T
UniRef90_S9PT23 H P M S H E T M L E R I Q A I L Y S T
UniRef90_D7FHD5 Q E S G E S D L T K N A F K I L Y A T
UniRef90_R9AGD8 H L E N P E T I Q Q I Q Q I L Y S T
UniRef90_U6IJK1 V C E N E M T K K L L D I L Y A T
UniRef90_B0W3R6 A T D E N Q D F C E R A K E I M F A
UniRef90_A5DTW4 I Q A D P S I V E K L D V L
UniRef90_B6AFR6 N Q K Q S N V S L N K I S D I L Y
UniRef90_F1A2E4 N E E P I L K K V L S I L Y
UniRef90_U6NVZ2 C A E G E H P D K E A I L A I L Y E T
UniRef90_C9SEF1 A E K Q E D G L V K Q I Q A I L Y S T
UniRef90_UPI0004561381 E E A E Q N P T L K Q I Q A V L Y S T
UniRef90_M5C5J0 A D G K S D E T L A A V Q K I L Y S T
UniRef90_K0TP56 K E G D V E G V L D R I F K V M Y A T
UniRef90_C1MYL2 P E F A S Q T L A K V V E K I L Y F T
UniRef90_S8G6B6 P S G A G T L S V K D V L A V L Y A T
UniRef90_B6JZK5 T S Q S P D T F L E Q V Q R I L Y S T
UniRef90_F2UPU3 G T E T L P V E H I L S V L Y E T
UniRef90_R1CN06 K E A S S P L G E K V L S I L Y K T
UniRef90_B9W9C8 M E G L S G D V L Q E I E K I M Y E
UniRef90_K0KET4 A P I E Q H P S L K K I Q E I L Y N T
UniRef90_S8AIR6 S A E Q E D E I I K K V Q S I L Y S T
UniRef90_B2VRR7 P E L E K D E L L K Q I Q N I L Y S T
UniRef90_S2J4E4 N E H E A F P I L Q G I Q T I L Y S T
UniRef90_U6GNL9 I P G K T S L H V K D I Q D I L Y A
UniRef90_S6F065 N E G E L S K F L S K V Q Q I L Y A T
UniRef90_Q6CGL9 N A E Q M D T V I R E I Q T I L Y S T
UniRef90_F4PAB4 I D D H M D A T F K E V Q A I M Y K T
UniRef90_X8JJK0 Q A K E K D H T L D E I Q K I L Y S T
UniRef90_A8PUV5 R L G E E T D T L K Q I Q A I L Y Q T
UniRef90_C5DJ65 G V Y S S D P F L D K V Q Q I L Y A T
UniRef90_A0A044SD28 A D D S P T V S R E E V L E I L Y E T
UniRef90_C4XZP2 I Q D S G L E L V G Q I Q E I L Y S T
UniRef90_F4QB20 N E G T A E E A I A Q I L A I L Y
UniRef90_H2AY60 Q T D E L D R F L N K V Q Q I L Y A T
UniRef90_D3BDZ0 N E E G A S E I I K H I L G V L Y K T
UniRef90_A0A058ZGY6 D G T A T D P L L A A I Q S V M Y
UniRef90_Q8WQ86 H S D V P L L G E V L K I L Y
UniRef90_C5DWJ1 S Q G A L E K F L N K V Q Q I L Y A T
UniRef90_W1QI20 K L Q S S E P V V S H I Q E I L Y S T
UniRef90_Q75EQ5 D P Q E L N R L L G K V S Q I L Y S T
UniRef90_G8BRD3 T E D E L Y K F I K K V Q K I L Y A T
UniRef90_Q8NIP6 V G S E E Q E S L K Q I Q A I L Y S T
UniRef90_S7ZIU6 I E K E E D T L V K H I Q G I L Y S T
UniRef90_I1CMK4 N E H E A I P V L Q N I Q N I L Y S T
UniRef90_L1LD63 N K G E N V E T K L L F D I M Y S
UniRef90_M3K382 M D G L S S D L L Q E I E K I M
UniRef90_I2FRH1 P S Q E D D P S L K Q I Q A I L Y S T
UniRef90_G0VFK6 T Q D E N D K F L S K V Q K I L Y A T
UniRef90_G8BDB3 I E H N E L T L L K K I E D T L Y A T
UniRef90_I2H3J2 Q P S E T I D L L T K I Q N I L Y A T
UniRef90_Q5CYH0 L N E K K I P F L K D I S E I L Y
UniRef90_C5MD16 M E G L S P D L I Q E V E K I M
UniRef90_G8ZZU3 T Q D D L S K L L N K V Q Q I L Y A T
UniRef90_F4RNX1 I E M D N L K Q M Q A I L Y S T
UniRef90_M7NT96 A A Q N E E S L L R Q I Q N I L Y S
UniRef90_J4C8I8 N Q G K S V D T K Q L L N I M Y A
UniRef90_T1PAI0 S V Q N N I F V C N R A L T I L Y A T
UniRef90_A3GFL9 Q E S E N L D E I A A I Q T I L Y S T
UniRef90_Q6FRD5 T Q E E L D K F T N K V Q H I L Y A T
UniRef90_G7E5P8 I S E S E Q G S L E A I Q K I L Y S T
UniRef90_Q8SWK0 R E G L D E G L R S D V F G I L Y E
UniRef90_C4R949 S M D D V T S L L K Q V Q E I L Y S T
UniRef90_W7TMC3 R Q Q E A S L L I E E I F K V L Y A T
UniRef90_UPI0003F4A000 V C D E E R D H L A G V Q A V L Y A T
UniRef90_J9EUN6 K R K K P G P I K N E V M Q I L
UniRef90_Q6IDD3 N S G R D R V I L E K I T K I I Y S
UniRef90_W8C7Q8 F T D R S E L C E R A M A I L Y A T
UniRef90_M9LSZ4 P P T E E H E S L R Q I Q A I L Y S T
UniRef90_V6TCF5 N E L E D S P V V K K I E D I L Y A
UniRef90_A2GKK4 N Q N E S T K Q I L E L L Y
UniRef90_L8H278 D E S S A E T I Q R I L T I
lupas_21
lupas_14
lupas_28
jnet
conf 7 7 8 7 6 1 7 8 9 9 9 9 9 9 8 5 1 9 9
sol25 B B B B B
sol5 B B
sol0 B
jhmm
jpssm