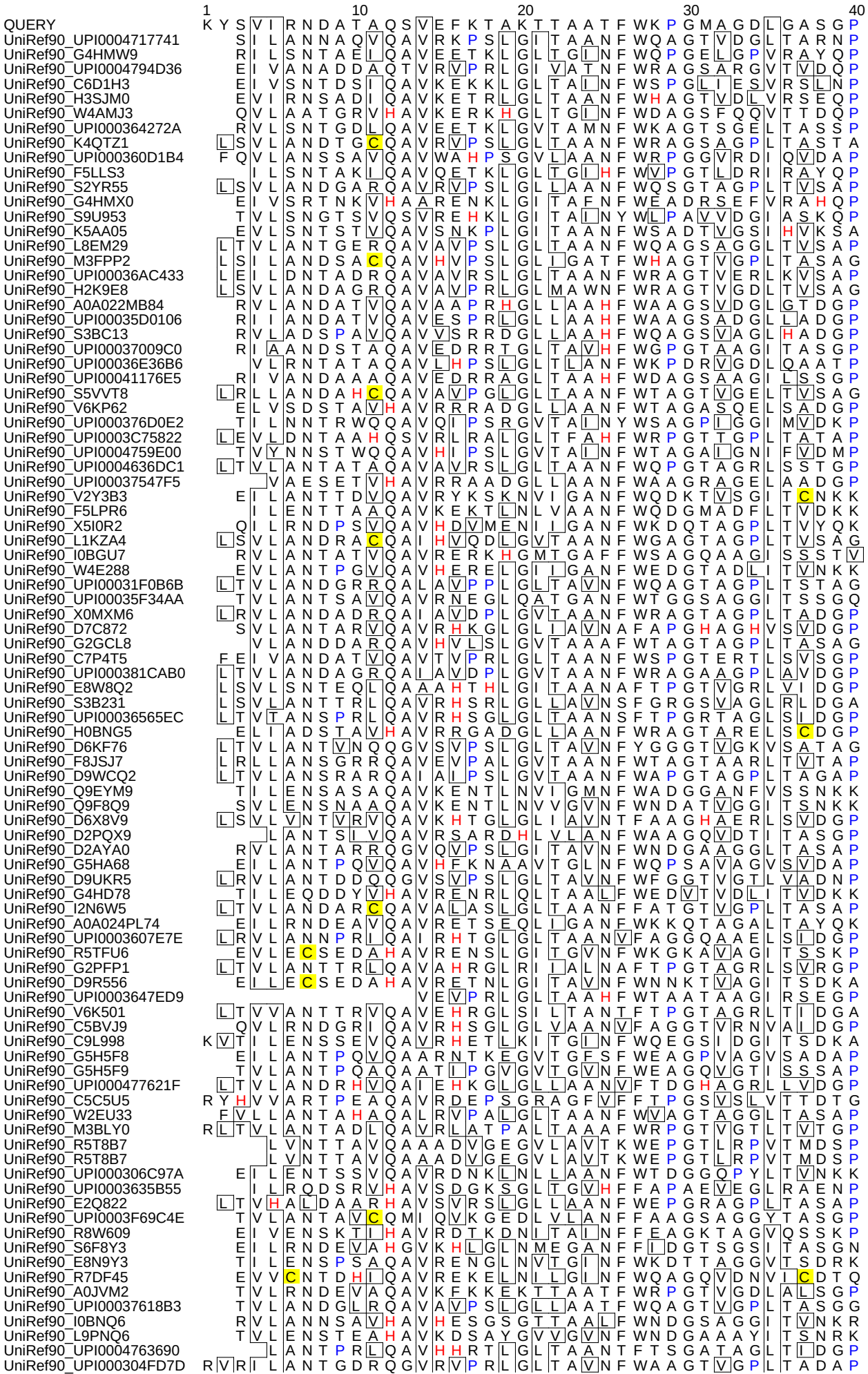
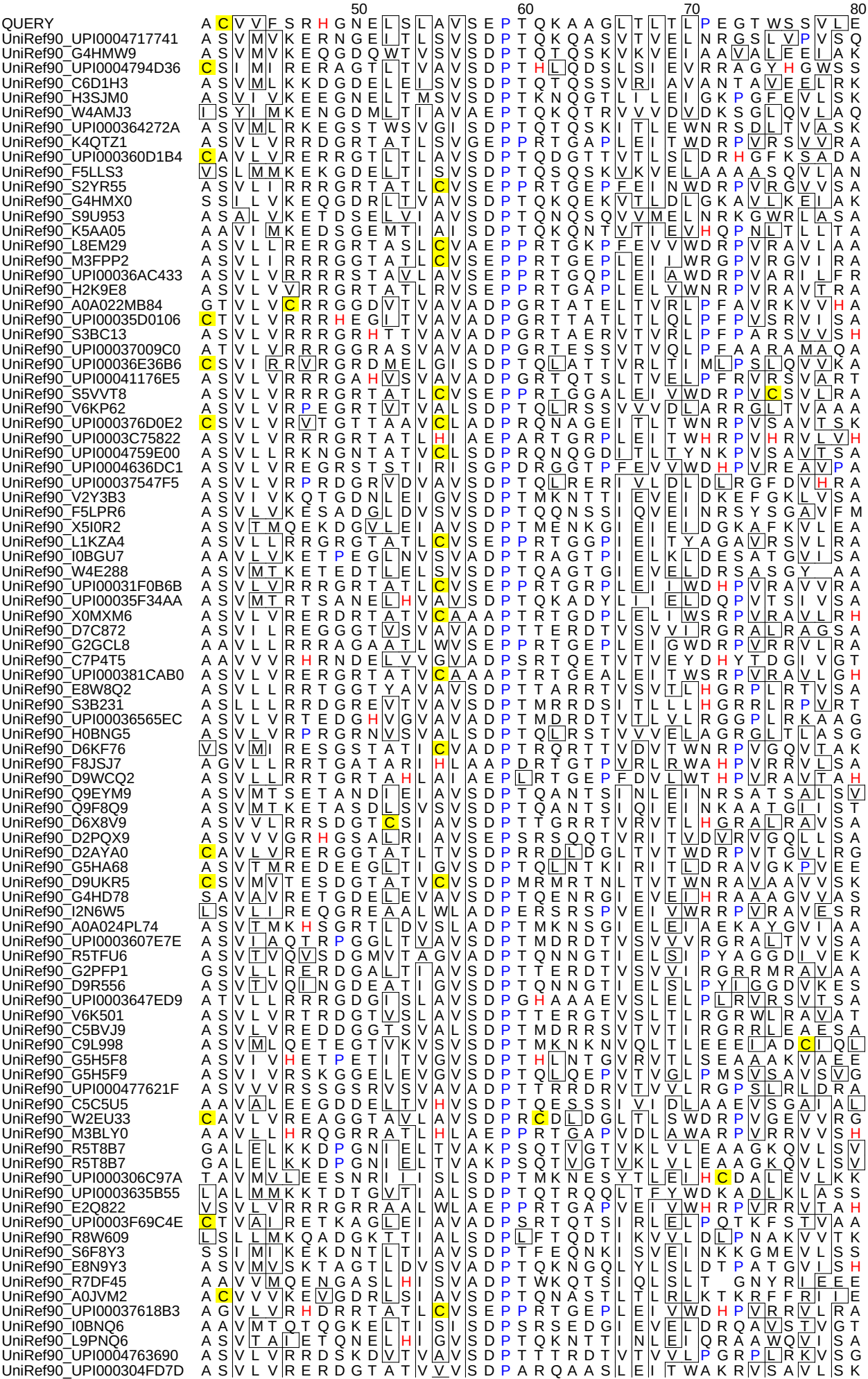
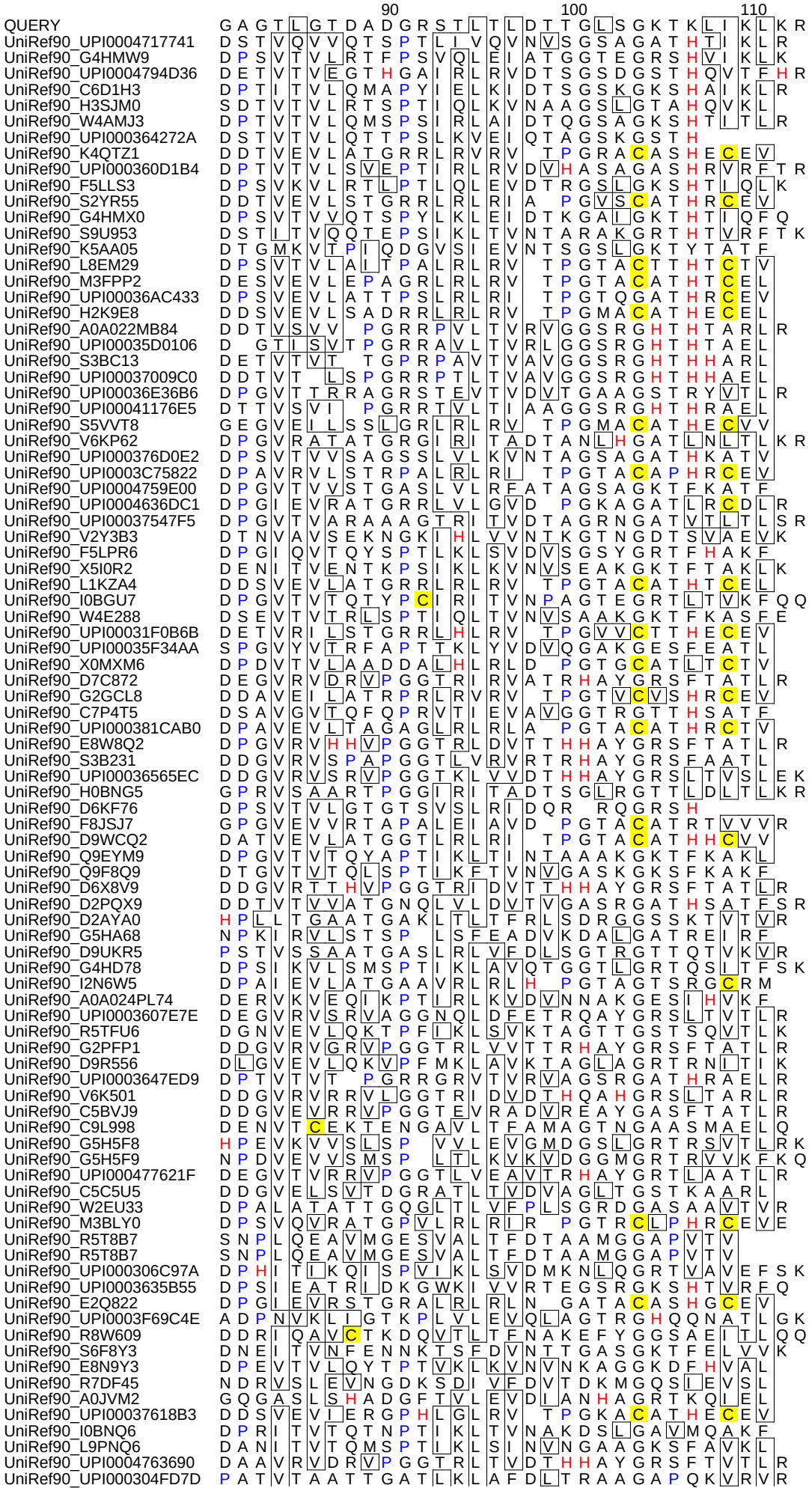
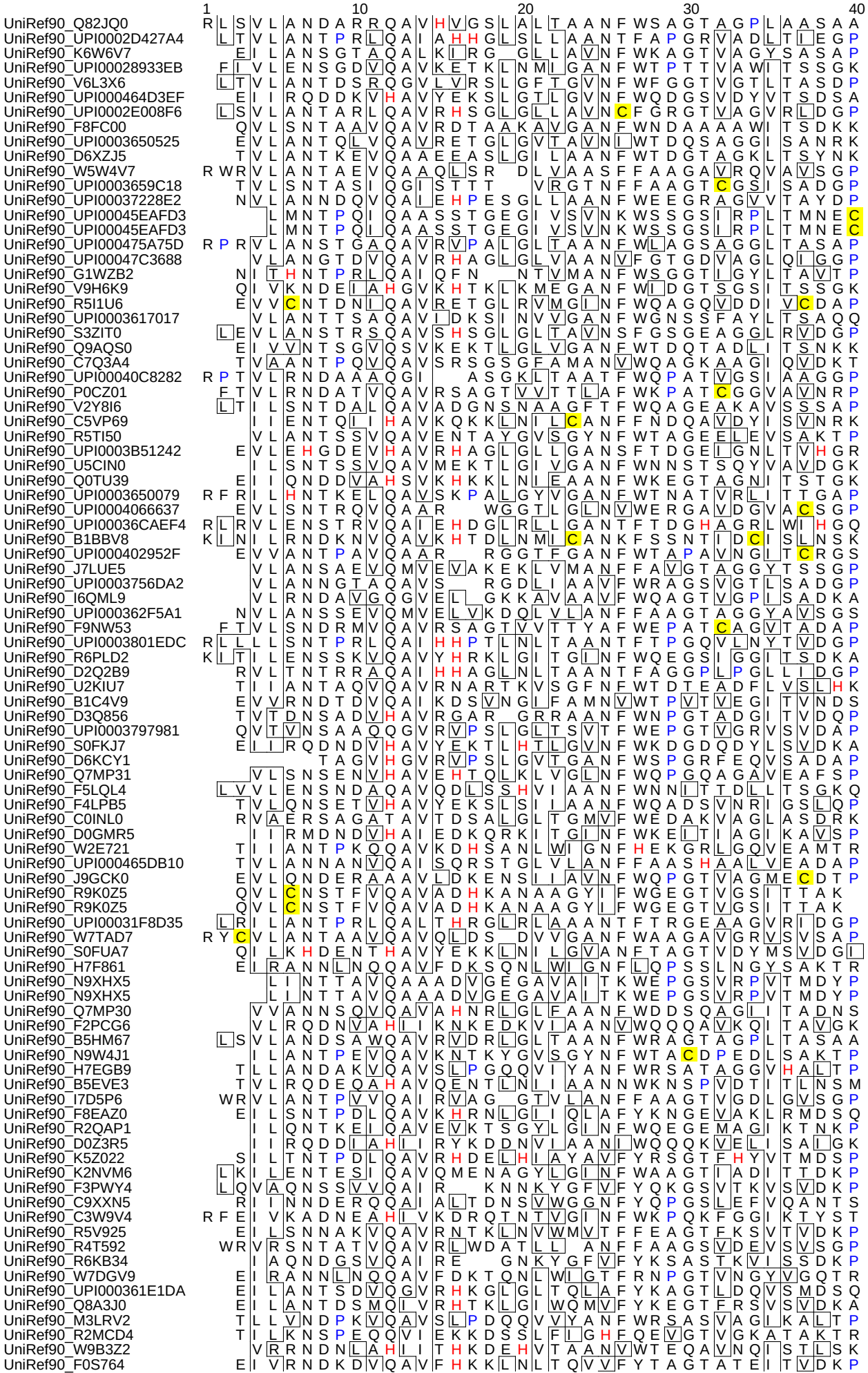
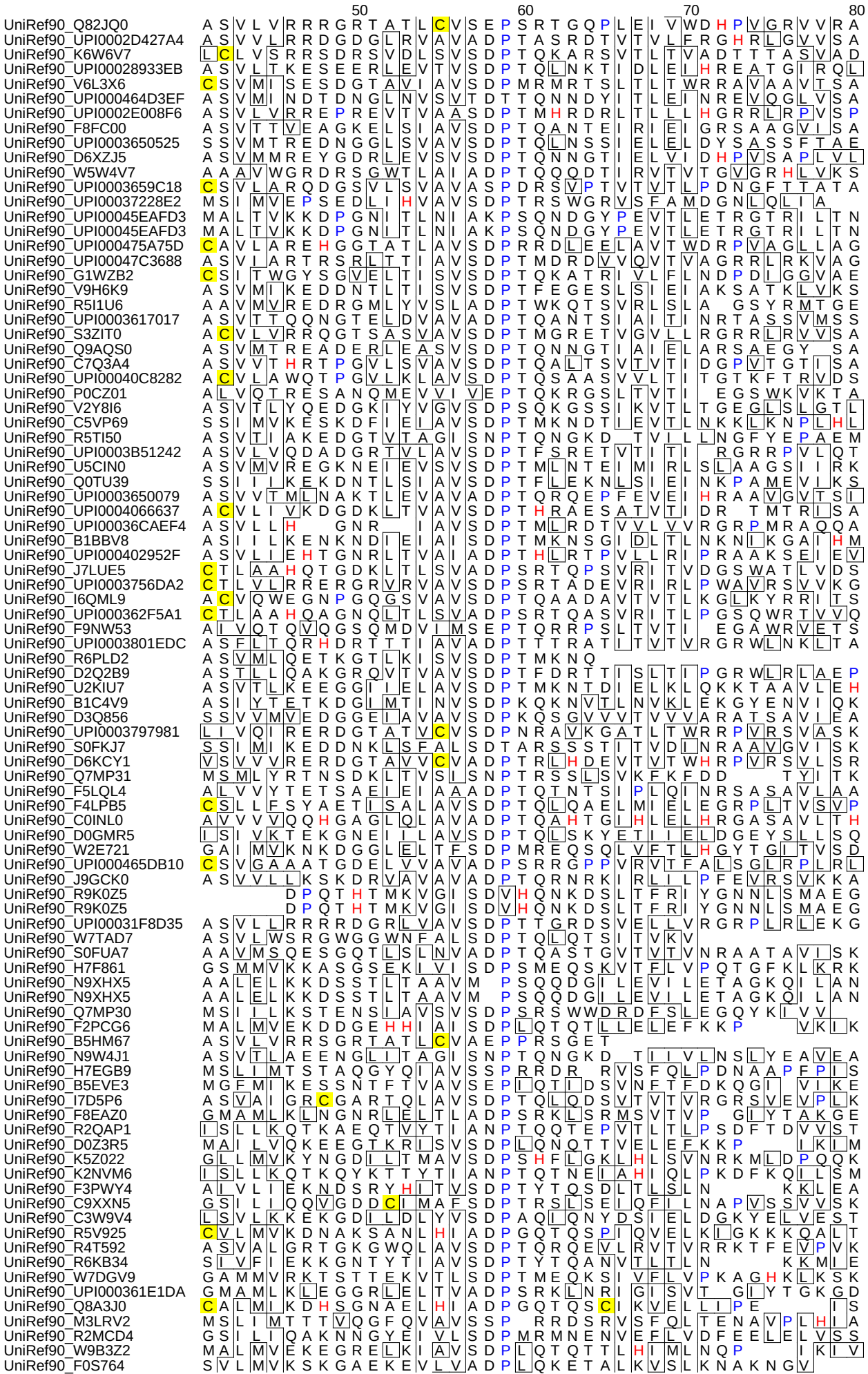
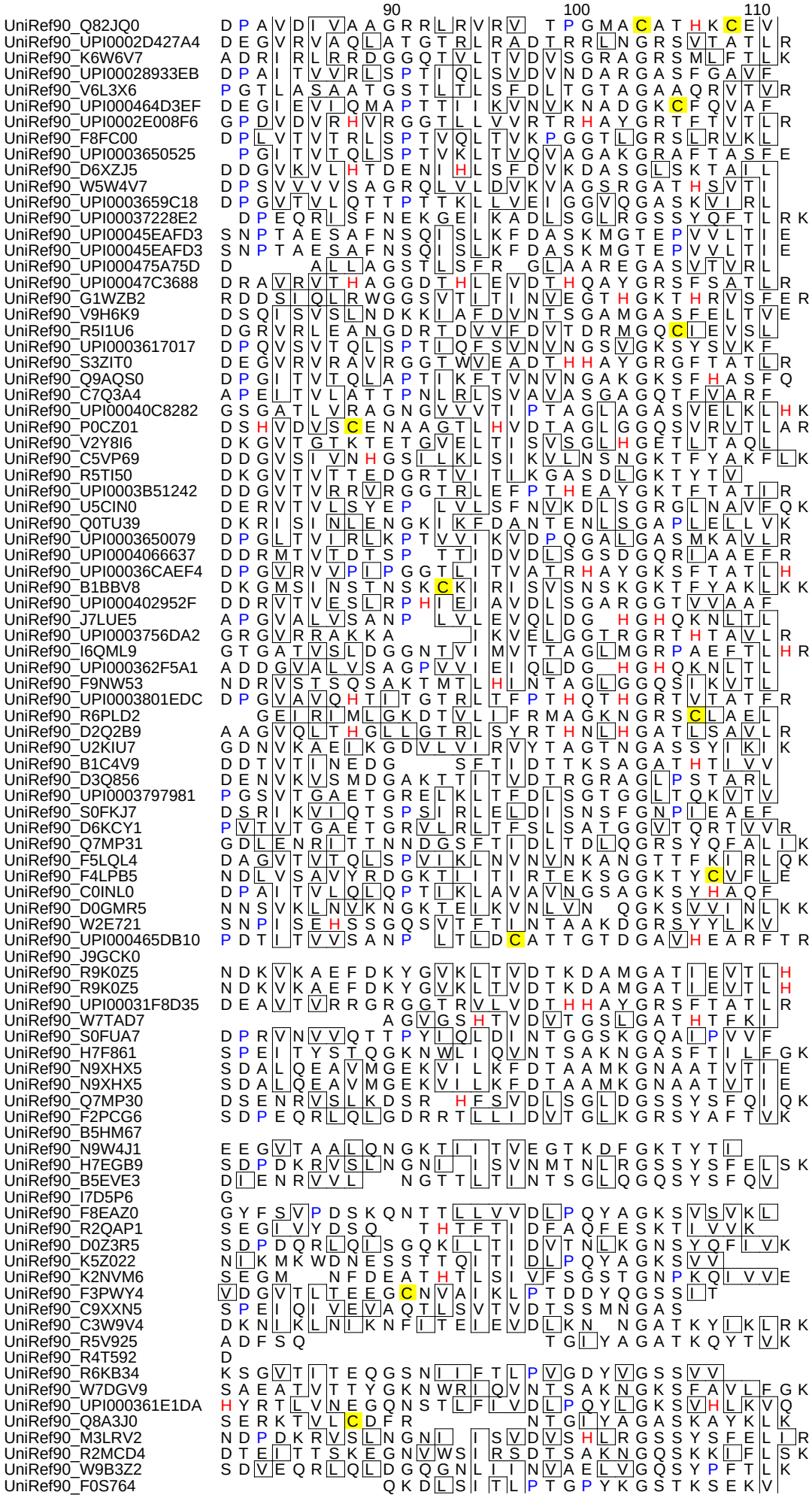

1
10
20
30
40
QUERY K Y S V I R N D A T A Q S V E F K T A K T T A A T F W K P G M A G D L G A S G P
UniRef90_UPI0004717741 S I L A N N A Q V Q A V R K P S L G I T A A N F W Q A G T V D G L T A R N P
UniRef90_G4HMW9 R I L S N T A E I Q A V E E T K L G L T G I N F W Q P G E L G P V R A Y Q P
UniRef90_UPI0004794D36 E I V A N A D D A Q T V R V P R L G I V A T N F W R A G S A R G V T V D Q P
UniRef90_C6D1H3 E I V S N T D S I Q A V K E K K L G L T A I N F W S P G L I E S V R S L N P
UniRef90_H3SJM0 E V I R N S A D I Q A V K E T R L G L T A A N F W H A G T V D L V R S E Q P
UniRef90_W4AMJ3 Q V L A A T G R V H A V K E R K H G L T G I N F W D A G S F Q Q V T T D Q P
UniRef90_UPI000364272A R V L S N T G D L Q A V E E T K L G V T A M N F W K A G T S G E L T A S S P
UniRef90_K4QTZ1 L S V L A N D T G C Q A V R V P S L G L T A A N F W R A G S A G P L T A S T A
UniRef90_UPI000360D1B4 F Q V L A N S S A V Q A V W A H P S G V L A A N F W R P G G V R D I Q V D A P
UniRef90_F5LLS3 I L S N T A K I Q A V Q E T K L G L T G I H F W V P G T L D R I R A Y Q P
UniRef90_S2YR55 L S V L A N D G A R Q A V R V P S L G L L A A N F W Q S G T A G P L T V S A P
UniRef90_G4HMX0 E I V S R T N K V H A A R E N K L G I T A F N F W E A D R S E F V R A H Q P
UniRef90_S9U953 T V L S N G T S V Q S V R E H K L G I T A I N Y W L P A V V D G I A S K Q P
UniRef90_K5AA05 E V L S N T S T V Q A V S N K P L G I T A A N F W S A D T V G S I H V K S A
UniRef90_L8EM29 L T V L A N T G E R Q A V A V P S L G L T A A N F W Q A G S A G G L T V S A P
UniRef90_M3FPP2 L S I L A N D S A C Q A V H V P S L G L I G A T F W H A G T V G P L T A S A G
UniRef90_UPI00036AC433 L E I L D N T A D R Q A V A V R S L G L T A A N F W R A G T V E R L K V S A P
UniRef90_H2K9E8 L S V L A N D A G R Q A V A V P R L G L M A W N F W R A G T V G D L T V S A G
UniRef90_A0A022MB84 R V L A N D A T V Q A V A A P R H G L L A A H F W A A G S V D G L G T D G P
UniRef90_UPI00035D0106 R I I A N D A T V Q A V E S P R L G L L A A H F W A A G S A D G L L A D G P
UniRef90_S3BC13 R V L A D S P A V Q A V V S R R D G L L A A H F W Q A G S V A G L H A D G P
UniRef90_UPI00037009C0 R I A A N D S T A Q A V E D R R T G L T A V H F W G P G T A A G I T A S G P
UniRef90_UPI00036E36B6 V L R N T A T A Q A V L H P S L G L T L A N F W K P D R V G D L L Q A A T P
UniRef90_UPI00041176E5 R I V A N D A A A Q A V E D R R A G L T A A H F W D A G S A A G I L S S G P
UniRef90_S5VVT8 L R L L A N D A H C Q A V A V P G L G L T A A N F W T A G T V G E L T V S A G
UniRef90_V6KP62 E L V S D S T A V H A V R R R A D G L L A A N F W T A G A S Q E L S A D G P
UniRef90_UPI000376D0E2 T I L N N T R W Q Q A V Q I P S R G V T A I N Y W S A G P I G G I M V D K P
UniRef90_UPI0003C75822 L E V L D N T A A H Q S V R L R A L G L T F A H F W R P G T T G P L T A T A P
UniRef90_UPI0004759E00 T V Y N N S T W Q Q A V H I P S L G V T A I N F W T A G A I G N I F V D M P
UniRef90_UPI0004636DC1 L T V L A N T A T A Q A V A V R S L G L T A A N F W Q P G T A G R L S S T G P
UniRef90_UPI00037547F5 V A E S E T V H A V R R A A D G L L A A N F W A A G R A G E L A A D G P
UniRef90_V2Y3B3 E I L A N T T D V Q A V R Y K S K N V I G A N F W Q D K T V S G I T C N K K
UniRef90_F5LPR6 I L E N T T A A Q A V K E K T L N L V A A N F W Q D G M A D F L T V D K K
UniRef90_X5I0R2 Q I L R N D P S V Q A V H D V M E N I I G A N F W K D Q T A G P L T V Y Q K
UniRef90_L1KZA4 L S V L A N D R A C Q A I H V Q D L G V T A A N F W G A G T A G P L T V S A G
UniRef90_I0BGU7 R V L A N T A T V Q A V R E R K H G M T G A F F W S A G Q A A G I S S S T V
UniRef90_W4E288 E V L A N T P G V Q A V H E R E L G I I G A N F W E D G T A D L I T V N K K
UniRef90_UPI00031F0B6B L T V L A N D G R R Q A L A V P P L G L T A V N F W Q A G T A G P L T S T A G
UniRef90_UPI00035F34AA T V L A N T S A V Q A V R N E G L Q A T G A N F W T G G S A G G I T S S G Q
UniRef90_X0MXM6 L R V L A N D A D R Q A I A V D P L G V T A A N F W R A G T A G P L T A D G P
UniRef90_D7C872 S V L A N T A R V Q A V R H K G L G L I A V N A F A P G H A G H V S V D G P
UniRef90_G2GCL8 V L A N D D A R Q A V H V L S L G V T A A A F W T A G T A G P L T A S A G
UniRef90_C7P4T5 F E I V A N D A T V Q A V T V P R L G L T A A N F W S P G T E R T L S V S G P
UniRef90_UPI000381CAB0 L T V L A N D A G R Q A I A V D P L G V T A A N F W R A G A A G P L A V D G P
UniRef90_E8W8Q2 L S V L S N T E Q L Q A A A H T H L G I T A A N A F T P G T V G R L V I D G P
UniRef90_S3B231 L S V L A N T T R L Q A V R H S R L G L L A V N S F G R G S V A G L R L D G A
UniRef90_UPI00036565EC L T V T A N S P R L Q A V R H S G L G L T A A N S F T P G R T A G L S L D G P
UniRef90_H0BNG5 E L I A D S T A V H A V R R G A D G L L A A N F W E A G E L S C D G P
UniRef90_D6KF76 L T V L A N T V N Q Q G V S V P S L G L T A V N F Y G G G T V G K V S A T A G
UniRef90_F8JSJ7 L R L L A N S G R R Q A V E V P A L G V T A A N F W T A G T A A R L T V T A P
UniRef90_D9WCQ2 L T V L A N S R A R Q A I A I P S L G V T A A N F W A P G T A G P L T A G A P
UniRef90_Q9EYM9 T I L E N S A S A Q A V K E N T L N V I G M N F W A D G G A N F V S S N K K
UniRef90_Q9F8Q9 S V L E N S N A A Q A V K E N T L N V V G V N F W N D A T V G G I T S N K K
UniRef90_D6X8V9 L S V L V N T V R V Q A V K H T G L G L I A V N T F A A G H A E R L S V D G P
UniRef90_D2PQX9 L A N T S I V Q A V R S A R D H L V L A N F W A A G Q V D T I T A S G P
UniRef90_D2AYA0 R V L A N T A R R Q G V Q V P S L G I T A V N F W N D G A A G G L T A S A P
UniRef90_G5HA68 E I L A N T P Q V Q A V H F K N A A V T G L N F W Q P S A V A G V S V D A P
UniRef90_D9UKR5 L R V L A N T D D Q Q G V S V P S L G L T A V N F W F G G T V G T L V A D N P
UniRef90_G4HD78 T I L E Q D D Y V H A V R E N R L Q L T A A L F W E D V T V D L I T V D K K
UniRef90_I2N6W5 L T V L A N D A R C Q A V A L A S L G L T A A N F F A T G T V G P L T A S A P
UniRef90_A0A024PL74 E I L R N D E A V Q A V R E T S E Q L I G A N F W K K Q T A G A L T A Y Q K
UniRef90_UPI0003607E7E L R V L A N N P R I Q A I R H T G L G L T A A N V F A G G Q A A E L S I D G P
UniRef90_R5TFU6 E V L E C S E D A H A V R E N S L G I T G V N F W K G K A V A G I T S S K P
UniRef90_G2PFP1 L T V L A N T T R L Q A V A H R G L R I I A L N A F T P G T A G R L S V R G P
UniRef90_D9R556 E I L E C S E D A H A V R E T N L G I T A V N F W N N K T V A G I T S D K A
UniRef90_UPI0003647ED9 V E V P R L G L T A A H F W T A A T A A G I R S E G P
UniRef90_V6K501 L T V V A N T T R V Q A V E H R G L S I L T A N T F T P G T A G R L T I D G A
UniRef90_C5BVJ9 Q V L R N D G R I Q A V R H S G L G L V A A N V F A G G T V R N V A I D G P
UniRef90_C9L998 K V T I L E N S S E V Q A V R H E T L K I T G I N F W Q E G S I D G I T S D K A
UniRef90_G5H5F8 E I L A N T P Q V Q A A R N T K E G V T G F S F W E A G P V A G V S A D A P
UniRef90_G5H5F9 T V L A N T P Q A Q A A T I P G V G V T G V N F W E A G Q V G T I S S S A P
UniRef90_UPI000477621F L T V L A N D R H V Q A I E H K G L G L L A A N V F T D G H A G R L L V D G P
UniRef90_C5C5U5 R Y H V V A R T P E A Q A V R D E P S G R A G F V F F T P G S V S L V T T D T G
UniRef90_W2EU33 F V L L A N T A H A Q A L R V P A L G L T A A N F W V A G T A G G L T A S A P
UniRef90_M3BLY0 R L T V L A N T A D L Q A V R L A T P A L T A A A F W R P G T V G T L T V T G P
UniRef90_R5T8B7 L V N T T A V Q A A A D V G E G V L A V T K W E P G T L R P V T M D S P
UniRef90_R5T8B7 L V N T T A V Q A A A D V G E G V L A V T K W E P G T L R P V T M D S P
UniRef90_UPI000306C97A E I L E N T S S V Q A V R D N K L N L L A A N F W T D G G Q P Y L T V N K K
UniRef90_UPI0003635B55 I L R Q D S R V H A V S D G K S G L T G V H F F A P A E V E G L R A E N P
UniRef90_E2Q822 L T V H A L D A A R H A V S V R S L G L L A A N F W E P G R A G P L T A S A P
UniRef90_UPI0003F69C4E T V L A N T A V C Q M I Q V K G E D L V L A N F F A A G S A G G Y T A S G P
UniRef90_R8W609 E I V E N S K T I H A V R D T K D N I T A I N F F E A G K T A G V Q S S K P
UniRef90_S6F8Y3 E I L R N D E V A H G V K H L G L N M E G A N F F I D G T S G S I T A S G N
UniRef90_E8N9Y3 T I L E N S P S A Q A V R E N G L N V T G I N F W K D T T A G G V T S D R K
UniRef90_R7DF45 E V V C N T D H I Q A V R E K E L N I L G I N F W Q A G Q V D N V I C D T Q
UniRef90_A0JVM2 T V L R N D E V A Q A V K F K K E K T T A A T F W R P G T V G D L A L S G P
UniRef90_UPI00037618B3 T V L A N D G L R Q A V A V P S L G L L A A T F W Q A G T V G P L T A S G G
UniRef90_I0BNQ6 R V L A N N S A V H A V H E S G S G T T A A L F W N D G S A G G I T V N K R
UniRef90_L9PNQ6 T V L E N S T E A H A V K D S A Y G V V G V N F W N D G A A A Y I T S N R K
UniRef90_UPI0004763690 L A N T P R L Q A V H H R T L G L T A A N T F T S G A T A G L T I D G P
UniRef90_UPI000304FD7D R V R I L A N T G D R Q G V R V P R L G L T A V N F W A A G T V G P L T A D A P

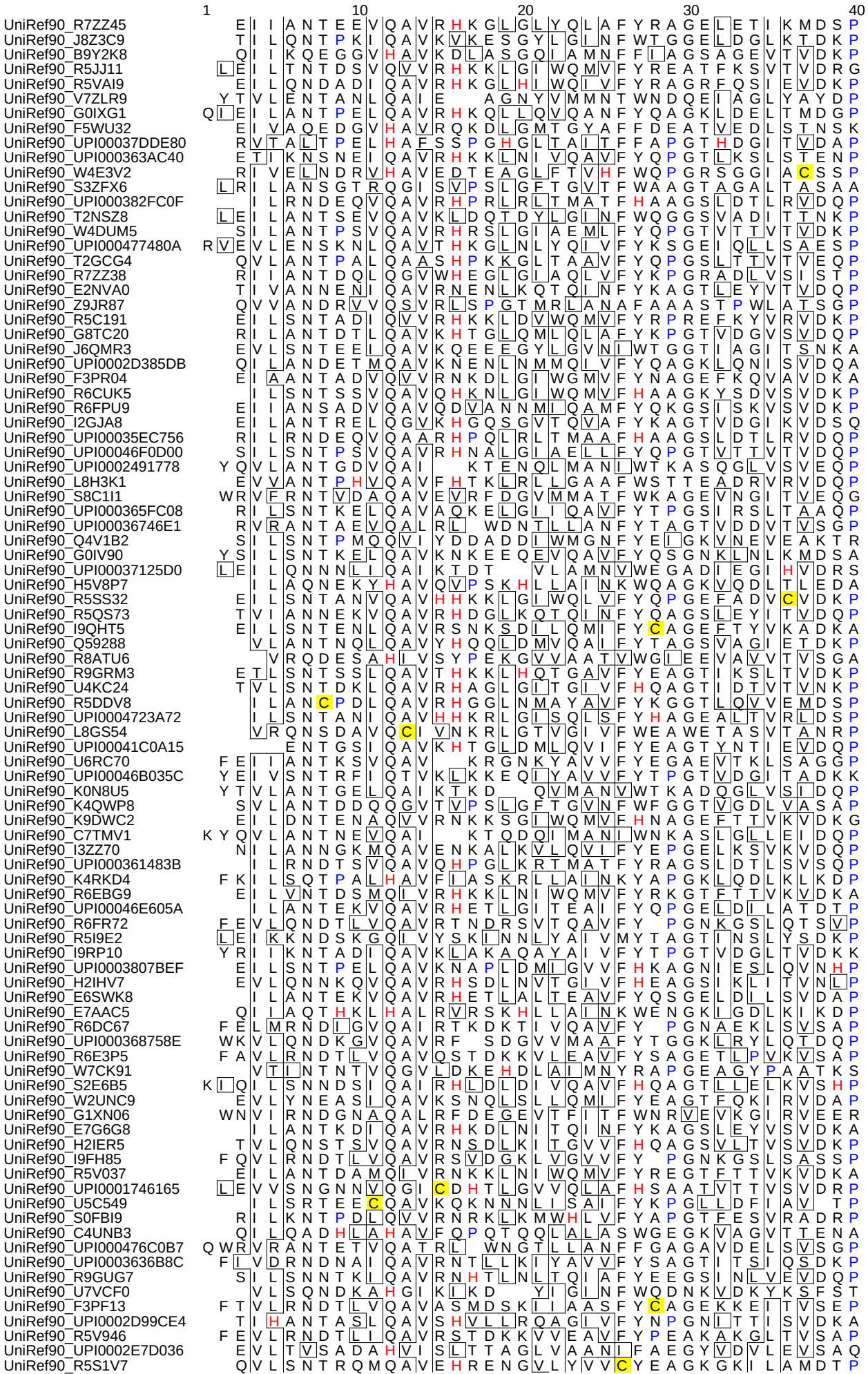

50
60
70
80
QUERY
UniRef90_UPI0004717741
UniRef90_G4HMW9
UniRef90_UPI0004794D36
UniRef90_C6D1H3
UniRef90_H3SJM0
UniRef90_W4AMJ3
UniRef90_UPI000364272A
UniRef90_K4QTZ1
UniRef90_UPI000360D1B4
UniRef90_F5LLS3
UniRef90_S2YR55
UniRef90_G4HMX0
UniRef90_S9U953
UniRef90_K5AA05
UniRef90_L8EM29
UniRef90_M3FPP2
UniRef90_UPI00036AC433
UniRef90_H2K9E8
UniRef90_A0A022MB84
UniRef90_UPI00035D0106
UniRef90_S3BC13
UniRef90_UPI00037009C0
UniRef90_UPI00036E36B6
UniRef90_UPI00041176E5
UniRef90_S5VVT8
UniRef90_V6KP62
UniRef90_UPI000376D0E2
UniRef90_UPI0003C75822
UniRef90_UPI0004759E00
UniRef90_UPI0004636DC1
UniRef90_UPI00037547F5
UniRef90_V2Y3B3
UniRef90_F5LPR6
UniRef90_X5I0R2
UniRef90_L1KZA4
UniRef90_I0BGU7
UniRef90_W4E288
UniRef90_UPI00031F0B6B
UniRef90_UPI00035F34AA
UniRef90_X0MXM6
UniRef90_D7C872
UniRef90_G2GCL8
UniRef90_C7P4T5
UniRef90_UPI000381CAB0
UniRef90_E8W8Q2
UniRef90_S3B231
UniRef90_UPI00036565EC
UniRef90_H0BNG5
UniRef90_D6KF76
UniRef90_F8JSJ7
UniRef90_D9WCQ2
UniRef90_Q9EYM9
UniRef90_Q9F8Q9
UniRef90_D6X8V9
UniRef90_D2PQX9
UniRef90_D2AYA0
UniRef90_G5HA68
UniRef90_D9UKR5
UniRef90_G4HD78
UniRef90_I2N6W5
UniRef90_A0A024PL74
UniRef90_UPI0003607E7E
UniRef90_R5TFU6
UniRef90_G2PFP1
UniRef90_D9R556
UniRef90_UPI0003647ED9
UniRef90_V6K501
UniRef90_C5BVJ9
UniRef90_C9L998
UniRef90_G5H5F8
UniRef90_G5H5F9
UniRef90_UPI000477621F
UniRef90_C5C5U5
UniRef90_W2EU33
UniRef90_M3BLY0
UniRef90_R5T8B7
UniRef90_R5T8B7
UniRef90_UPI000306C97A
UniRef90_UPI0003635B55
UniRef90_E2Q822
UniRef90_UPI0003F69C4E
UniRef90_R8W609
UniRef90_S6F8Y3
UniRef90_E8N9Y3
UniRef90_R7DF45
UniRef90_A0JVM2
UniRef90_UPI00037618B3
UniRef90_I0BNQ6
UniRef90_L9PNQ6
UniRef90_UPI0004763690
UniRef90_UPI000304FD7D

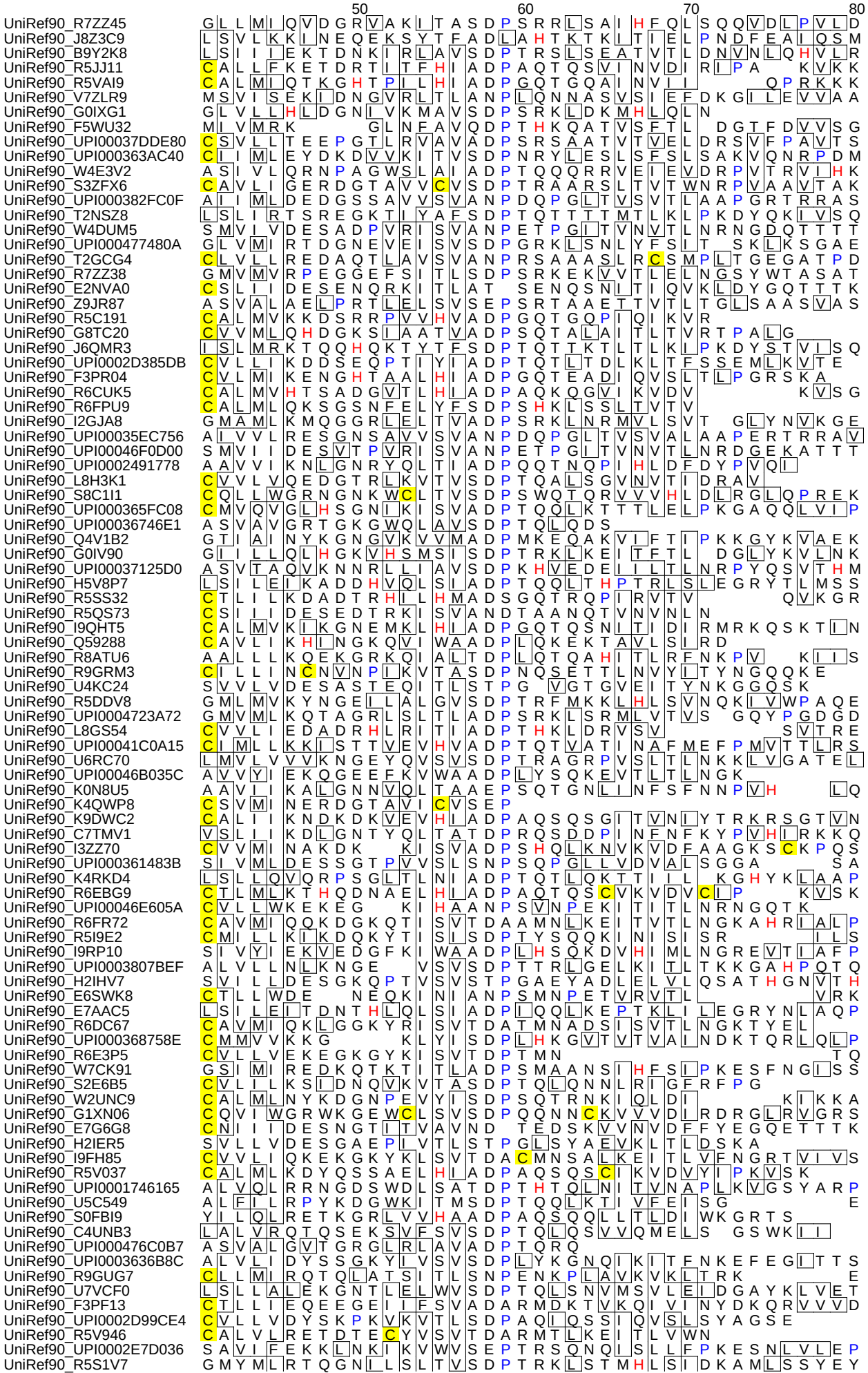

90
100
110
QUERY
UniRef90_UPI0004717741
UniRef90_G4HMW9
UniRef90_UPI0004794D36
UniRef90_C6D1H3
UniRef90_H3SJM0
UniRef90_W4AMJ3
UniRef90_UPI000364272A
UniRef90_K4QTZ1
UniRef90_UPI000360D1B4
UniRef90_F5LLS3
UniRef90_S2YR55
UniRef90_G4HMX0
UniRef90_S9U953
UniRef90_K5AA05
UniRef90_L8EM29
UniRef90_M3FPP2
UniRef90_UPI00036AC433
UniRef90_H2K9E8
UniRef90_A0A022MB84
UniRef90_UPI00035D0106
UniRef90_S3BC13
UniRef90_UPI00037009C0
UniRef90_UPI00036E36B6
UniRef90_UPI00041176E5
UniRef90_S5VVT8
UniRef90_V6KP62
UniRef90_UPI000376D0E2
UniRef90_UPI0003C75822
UniRef90_UPI0004759E00
UniRef90_UPI0004636DC1
UniRef90_UPI00037547F5
UniRef90_V2Y3B3
UniRef90_F5LPR6
UniRef90_X5I0R2
UniRef90_L1KZA4
UniRef90_I0BGU7
UniRef90_W4E288
UniRef90_UPI00031F0B6B
UniRef90_UPI00035F34AA
UniRef90_X0MXM6
UniRef90_D7C872
UniRef90_G2GCL8
UniRef90_C7P4T5
UniRef90_UPI000381CAB0
UniRef90_E8W8Q2
UniRef90_S3B231
UniRef90_UPI00036565EC
UniRef90_H0BNG5
UniRef90_D6KF76
UniRef90_F8JSJ7
UniRef90_D9WCQ2
UniRef90_Q9EYM9
UniRef90_Q9F8Q9
UniRef90_D6X8V9
UniRef90_D2PQX9
UniRef90_D2AYA0
UniRef90_G5HA68
UniRef90_D9UKR5
UniRef90_G4HD78
UniRef90_I2N6W5
UniRef90_A0A024PL74
UniRef90_UPI0003607E7E
UniRef90_R5TFU6
UniRef90_G2PFP1
UniRef90_D9R556
UniRef90_UPI0003647ED9
UniRef90_V6K501
UniRef90_C5BVJ9
UniRef90_C9L998
UniRef90_G5H5F8
UniRef90_G5H5F9
UniRef90_UPI000477621F
UniRef90_C5C5U5
UniRef90_W2EU33
UniRef90_M3BLY0
UniRef90_R5T8B7
UniRef90_R5T8B7
UniRef90_UPI000306C97A
UniRef90_UPI0003635B55
UniRef90_E2Q822
UniRef90_UPI0003F69C4E
UniRef90_R8W609
UniRef90_S6F8Y3
UniRef90_E8N9Y3
UniRef90_R7DF45
UniRef90_A0JVM2
UniRef90_UPI00037618B3
UniRef90_I0BNQ6
UniRef90_L9PNQ6
UniRef90_UPI0004763690
UniRef90_UPI000304FD7D

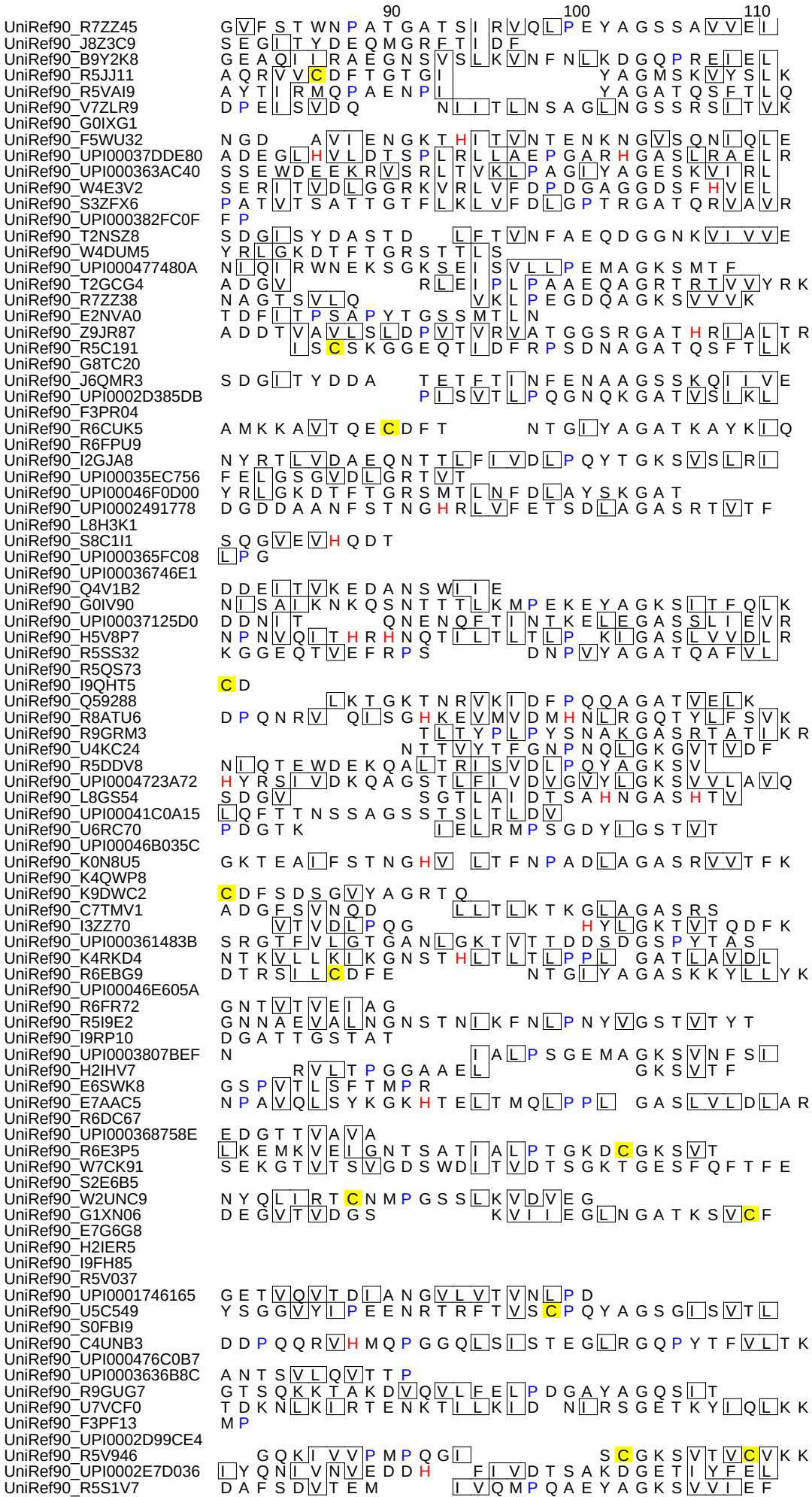

1
10
20
30
40
UniRef90_Q82JQ0
UniRef90_UPI0002D427A4
UniRef90_K6W6V7
UniRef90_UPI00028933EB
UniRef90_V6L3X6
UniRef90_UPI000464D3EF
UniRef90_UPI0002E008F6
UniRef90_F8FC00
UniRef90_UPI0003650525
UniRef90_D6XZJ5
UniRef90_W5W4V7
UniRef90_UPI0003659C18
UniRef90_UPI00037228E2
UniRef90_UPI00045EAFD3
UniRef90_UPI00045EAFD3
UniRef90_UPI000475A75D
UniRef90_UPI00047C3688
UniRef90_G1WZB2
UniRef90_V9H6K9
UniRef90_R5I1U6
UniRef90_UPI0003617017
UniRef90_S3ZIT0
UniRef90_Q9AQS0
UniRef90_C7Q3A4
UniRef90_UPI00040C8282
UniRef90_P0CZ01
UniRef90_V2Y8I6
UniRef90_C5VP69
UniRef90_R5TI50
UniRef90_UPI0003B51242
UniRef90_U5CIN0
UniRef90_Q0TU39
UniRef90_UPI0003650079
UniRef90_UPI0004066637
UniRef90_UPI00036CAEF4
UniRef90_B1BBV8
UniRef90_UPI000402952F
UniRef90_J7LUE5
UniRef90_UPI0003756DA2
UniRef90_I6QML9
UniRef90_UPI000362F5A1
UniRef90_F9NW53
UniRef90_UPI0003801EDC
UniRef90_R6PLD2
UniRef90_D2Q2B9
UniRef90_U2KIU7
UniRef90_B1C4V9
UniRef90_D3Q856
UniRef90_UPI0003797981
UniRef90_S0FKJ7
UniRef90_D6KCY1
UniRef90_Q7MP31
UniRef90_F5LQL4
UniRef90_F4LPB5
UniRef90_C0INL0
UniRef90_D0GMR5
UniRef90_W2E721
UniRef90_UPI000465DB10
UniRef90_J9GCK0
UniRef90_R9K0Z5
UniRef90_R9K0Z5
UniRef90_UPI00031F8D35
UniRef90_W7TAD7
UniRef90_S0FUA7
UniRef90_H7F861
UniRef90_N9XHX5
UniRef90_N9XHX5
UniRef90_Q7MP30
UniRef90_F2PCG6
UniRef90_B5HM67
UniRef90_N9W4J1
UniRef90_H7EGB9
UniRef90_B5EVE3
UniRef90_I7D5P6
UniRef90_F8EAZ0
UniRef90_R2QAP1
UniRef90_D0Z3R5
UniRef90_K5Z022
UniRef90_K2NVM6
UniRef90_F3PWY4
UniRef90_C9XXN5
UniRef90_C3W9V4
UniRef90_R5V925
UniRef90_R4T592
UniRef90_R6KB34
UniRef90_W7DGV9
UniRef90_UPI000361E1DA
UniRef90_Q8A3J0
UniRef90_M3LRV2
UniRef90_R2MCD4
UniRef90_W9B3Z2
UniRef90_F0S764

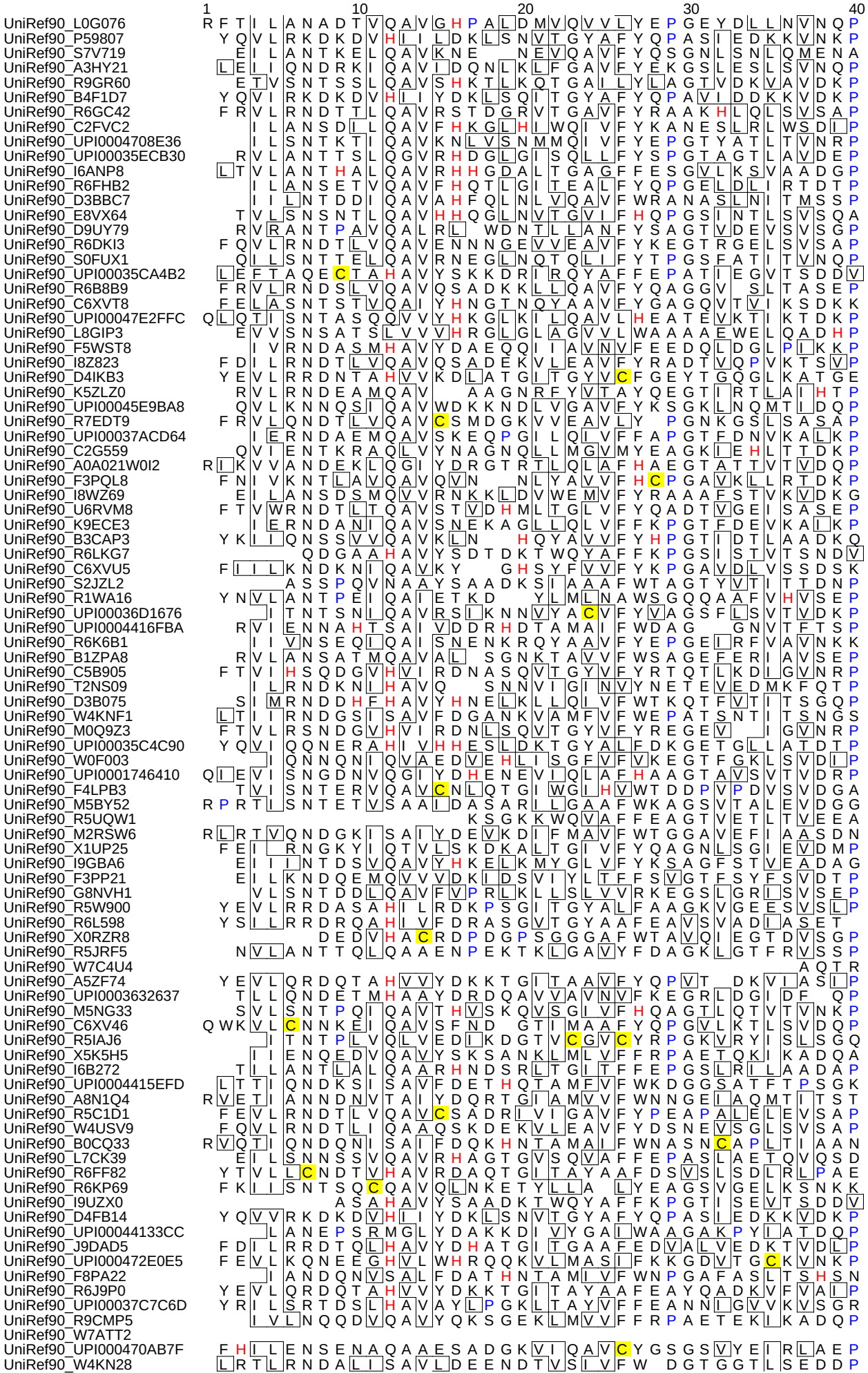

50
60
70
80
UniRef90_Q82JQ0
UniRef90_UPI0002D427A4
UniRef90_K6W6V7
UniRef90_UPI00028933EB
UniRef90_V6L3X6
UniRef90_UPI000464D3EF
UniRef90_UPI0002E008F6
UniRef90_F8FC00
UniRef90_UPI0003650525
UniRef90_D6XZJ5
UniRef90_W5W4V7
UniRef90_UPI0003659C18
UniRef90_UPI00037228E2
UniRef90_UPI00045EAFD3
UniRef90_UPI00045EAFD3
UniRef90_UPI000475A75D
UniRef90_UPI00047C3688
UniRef90_G1WZB2
UniRef90_V9H6K9
UniRef90_R5I1U6
UniRef90_UPI0003617017
UniRef90_S3ZIT0
UniRef90_Q9AQS0
UniRef90_C7Q3A4
UniRef90_UPI00040C8282
UniRef90_P0CZ01
UniRef90_V2Y8I6
UniRef90_C5VP69
UniRef90_R5TI50
UniRef90_UPI0003B51242
UniRef90_U5CIN0
UniRef90_Q0TU39
UniRef90_UPI0003650079
UniRef90_UPI0004066637
UniRef90_UPI00036CAEF4
UniRef90_B1BBV8
UniRef90_UPI000402952F
UniRef90_J7LUE5
UniRef90_UPI0003756DA2
UniRef90_I6QML9
UniRef90_UPI000362F5A1
UniRef90_F9NW53
UniRef90_UPI0003801EDC
UniRef90_R6PLD2
UniRef90_D2Q2B9
UniRef90_U2KIU7
UniRef90_B1C4V9
UniRef90_D3Q856
UniRef90_UPI0003797981
UniRef90_S0FKJ7
UniRef90_D6KCY1
UniRef90_Q7MP31
UniRef90_F5LQL4
UniRef90_F4LPB5
UniRef90_C0INL0
UniRef90_D0GMR5
UniRef90_W2E721
UniRef90_UPI000465DB10
UniRef90_J9GCK0
UniRef90_R9K0Z5
UniRef90_R9K0Z5
UniRef90_UPI00031F8D35
UniRef90_W7TAD7
UniRef90_S0FUA7
UniRef90_H7F861
UniRef90_N9XHX5
UniRef90_N9XHX5
UniRef90_Q7MP30
UniRef90_F2PCG6
UniRef90_B5HM67
UniRef90_N9W4J1
UniRef90_H7EGB9
UniRef90_B5EVE3
UniRef90_I7D5P6
UniRef90_F8EAZ0
UniRef90_R2QAP1
UniRef90_D0Z3R5
UniRef90_K5Z022
UniRef90_K2NVM6
UniRef90_F3PWY4
UniRef90_C9XXN5
UniRef90_C3W9V4
UniRef90_R5V925
UniRef90_R4T592
UniRef90_R6KB34
UniRef90_W7DGV9
UniRef90_UPI000361E1DA
UniRef90_Q8A3J0
UniRef90_M3LRV2
UniRef90_R2MCD4
UniRef90_W9B3Z2
UniRef90_F0S764

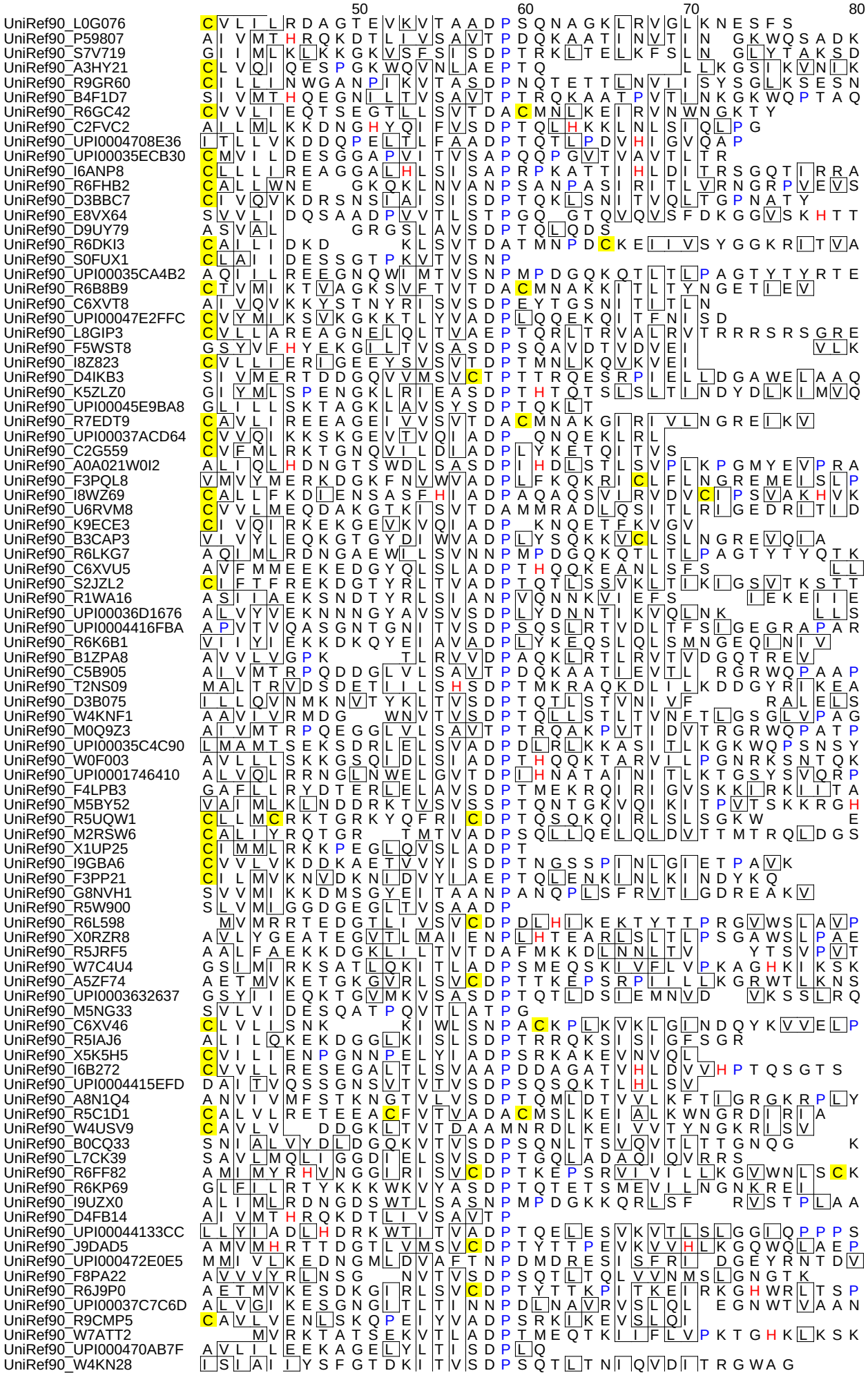

90
100
110
UniRef90_Q82JQ0
UniRef90_UPI0002D427A4
UniRef90_K6W6V7
UniRef90_UPI00028933EB
UniRef90_V6L3X6
UniRef90_UPI000464D3EF
UniRef90_UPI0002E008F6
UniRef90_F8FC00
UniRef90_UPI0003650525
UniRef90_D6XZJ5
UniRef90_W5W4V7
UniRef90_UPI0003659C18
UniRef90_UPI00037228E2
UniRef90_UPI00045EAFD3
UniRef90_UPI00045EAFD3
UniRef90_UPI000475A75D
UniRef90_UPI00047C3688
UniRef90_G1WZB2
UniRef90_V9H6K9
UniRef90_R5I1U6
UniRef90_UPI0003617017
UniRef90_S3ZIT0
UniRef90_Q9AQS0
UniRef90_C7Q3A4
UniRef90_UPI00040C8282
UniRef90_P0CZ01
UniRef90_V2Y8I6
UniRef90_C5VP69
UniRef90_R5TI50
UniRef90_UPI0003B51242
UniRef90_U5CIN0
UniRef90_Q0TU39
UniRef90_UPI0003650079
UniRef90_UPI0004066637
UniRef90_UPI00036CAEF4
UniRef90_B1BBV8
UniRef90_UPI000402952F
UniRef90_J7LUE5
UniRef90_UPI0003756DA2
UniRef90_I6QML9
UniRef90_UPI000362F5A1
UniRef90_F9NW53
UniRef90_UPI0003801EDC
UniRef90_R6PLD2
UniRef90_D2Q2B9
UniRef90_U2KIU7
UniRef90_B1C4V9
UniRef90_D3Q856
UniRef90_UPI0003797981
UniRef90_S0FKJ7
UniRef90_D6KCY1
UniRef90_Q7MP31
UniRef90_F5LQL4
UniRef90_F4LPB5
UniRef90_C0INL0
UniRef90_D0GMR5
UniRef90_W2E721
UniRef90_UPI000465DB10
UniRef90_J9GCK0
UniRef90_R9K0Z5
UniRef90_R9K0Z5
UniRef90_UPI00031F8D35
UniRef90_W7TAD7
UniRef90_S0FUA7
UniRef90_H7F861
UniRef90_N9XHX5
UniRef90_N9XHX5
UniRef90_Q7MP30
UniRef90_F2PCG6
UniRef90_B5HM67
UniRef90_N9W4J1
UniRef90_H7EGB9
UniRef90_B5EVE3
UniRef90_I7D5P6
UniRef90_F8EAZ0
UniRef90_R2QAP1
UniRef90_D0Z3R5
UniRef90_K5Z022
UniRef90_K2NVM6
UniRef90_F3PWY4
UniRef90_C9XXN5
UniRef90_C3W9V4
UniRef90_R5V925
UniRef90_R4T592
UniRef90_R6KB34
UniRef90_W7DGV9
UniRef90_UPI000361E1DA
UniRef90_Q8A3J0
UniRef90_M3LRV2
UniRef90_R2MCD4
UniRef90_W9B3Z2
UniRef90_F0S764

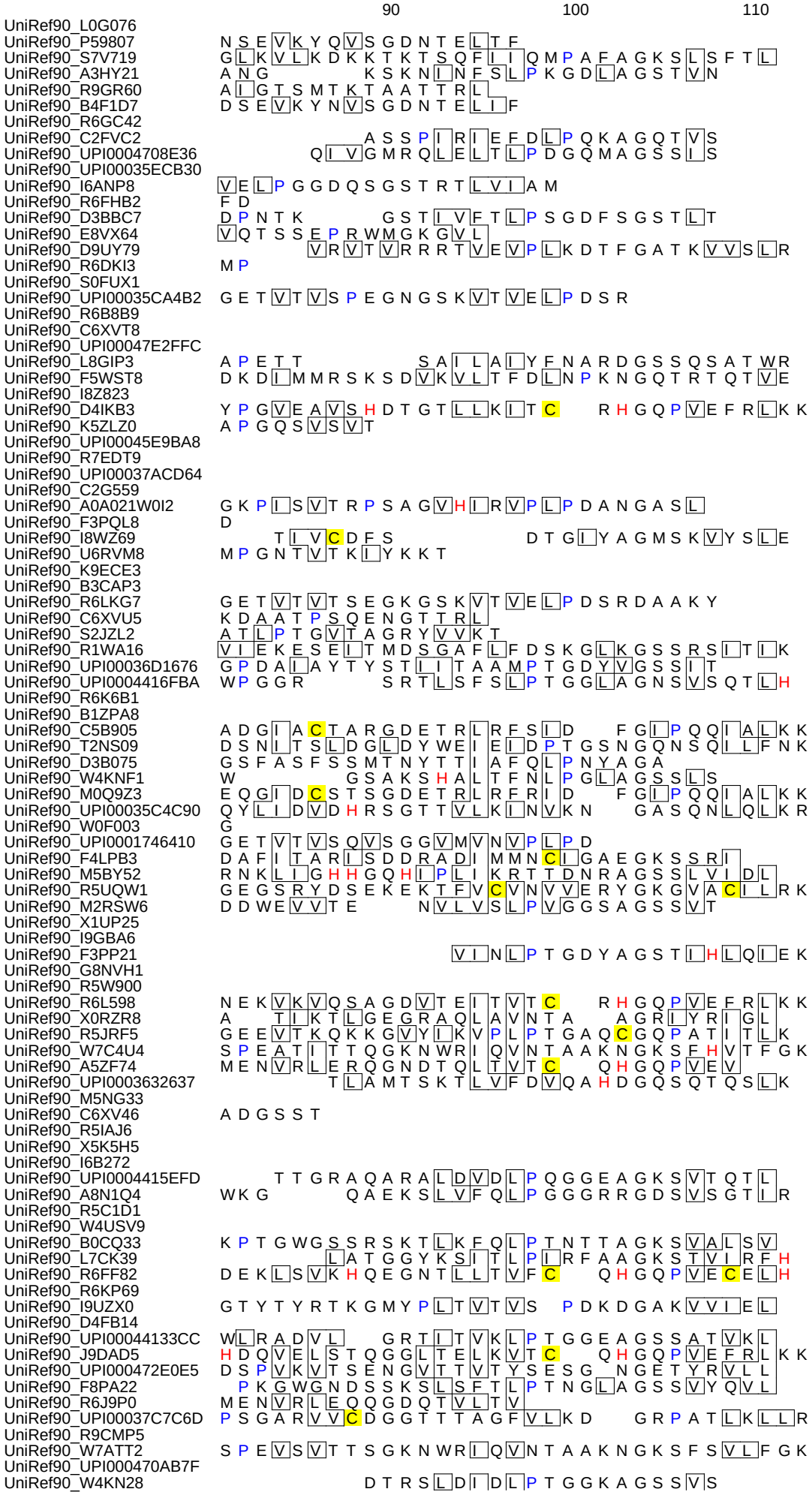

1
10
20
30
40
UniRef90_R7ZZ45
UniRef90_J8Z3C9
UniRef90_B9Y2K8
UniRef90_R5JJ11
UniRef90_R5VAI9
UniRef90_V7ZLR9
UniRef90_G0IXG1
UniRef90_F5WU32
UniRef90_UPI00037DDE80
UniRef90_UPI000363AC40
UniRef90_W4E3V2
UniRef90_S3ZFX6
UniRef90_UPI000382FC0F
UniRef90_T2NSZ8
UniRef90_W4DUM5
UniRef90_UPI000477480A
UniRef90_T2GCG4
UniRef90_R7ZZ38
UniRef90_E2NVA0
UniRef90_Z9JR87
UniRef90_R5C191
UniRef90_G8TC20
UniRef90_J6QMR3
UniRef90_UPI0002D385DB
UniRef90_F3PR04
UniRef90_R6CUK5
UniRef90_R6FPU9
UniRef90_I2GJA8
UniRef90_UPI00035EC756
UniRef90_UPI00046F0D00
UniRef90_UPI0002491778
UniRef90_L8H3K1
UniRef90_S8C1I1
UniRef90_UPI000365FC08
UniRef90_UPI00036746E1
UniRef90_Q4V1B2
UniRef90_G0IV90
UniRef90_UPI00037125D0
UniRef90_H5V8P7
UniRef90_R5SS32
UniRef90_R5QS73
UniRef90_I9QHT5
UniRef90_Q59288
UniRef90_R8ATU6
UniRef90_R9GRM3
UniRef90_U4KC24
UniRef90_R5DDV8
UniRef90_UPI0004723A72
UniRef90_L8GS54
UniRef90_UPI00041C0A15
UniRef90_U6RC70
UniRef90_UPI00046B035C
UniRef90_K0N8U5
UniRef90_K4QWP8
UniRef90_K9DWC2
UniRef90_C7TMV1
UniRef90_I3ZZ70
UniRef90_UPI000361483B
UniRef90_K4RKD4
UniRef90_R6EBG9
UniRef90_UPI00046E605A
UniRef90_R6FR72
UniRef90_R5I9E2
UniRef90_I9RP10
UniRef90_UPI0003807BEF
UniRef90_H2IHV7
UniRef90_E6SWK8
UniRef90_E7AAC5
UniRef90_R6DC67
UniRef90_UPI000368758E
UniRef90_R6E3P5
UniRef90_W7CK91
UniRef90_S2E6B5
UniRef90_W2UNC9
UniRef90_G1XN06
UniRef90_E7G6G8
UniRef90_H2IER5
UniRef90_I9FH85
UniRef90_R5V037
UniRef90_UPI0001746165
UniRef90_U5C549
UniRef90_S0FBI9
UniRef90_C4UNB3
UniRef90_UPI000476C0B7
UniRef90_UPI0003636B8C
UniRef90_R9GUG7
UniRef90_U7VCF0
UniRef90_F3PF13
UniRef90_UPI0002D99CE4
UniRef90_R5V946
UniRef90_UPI0002E7D036
UniRef90_R5S1V7

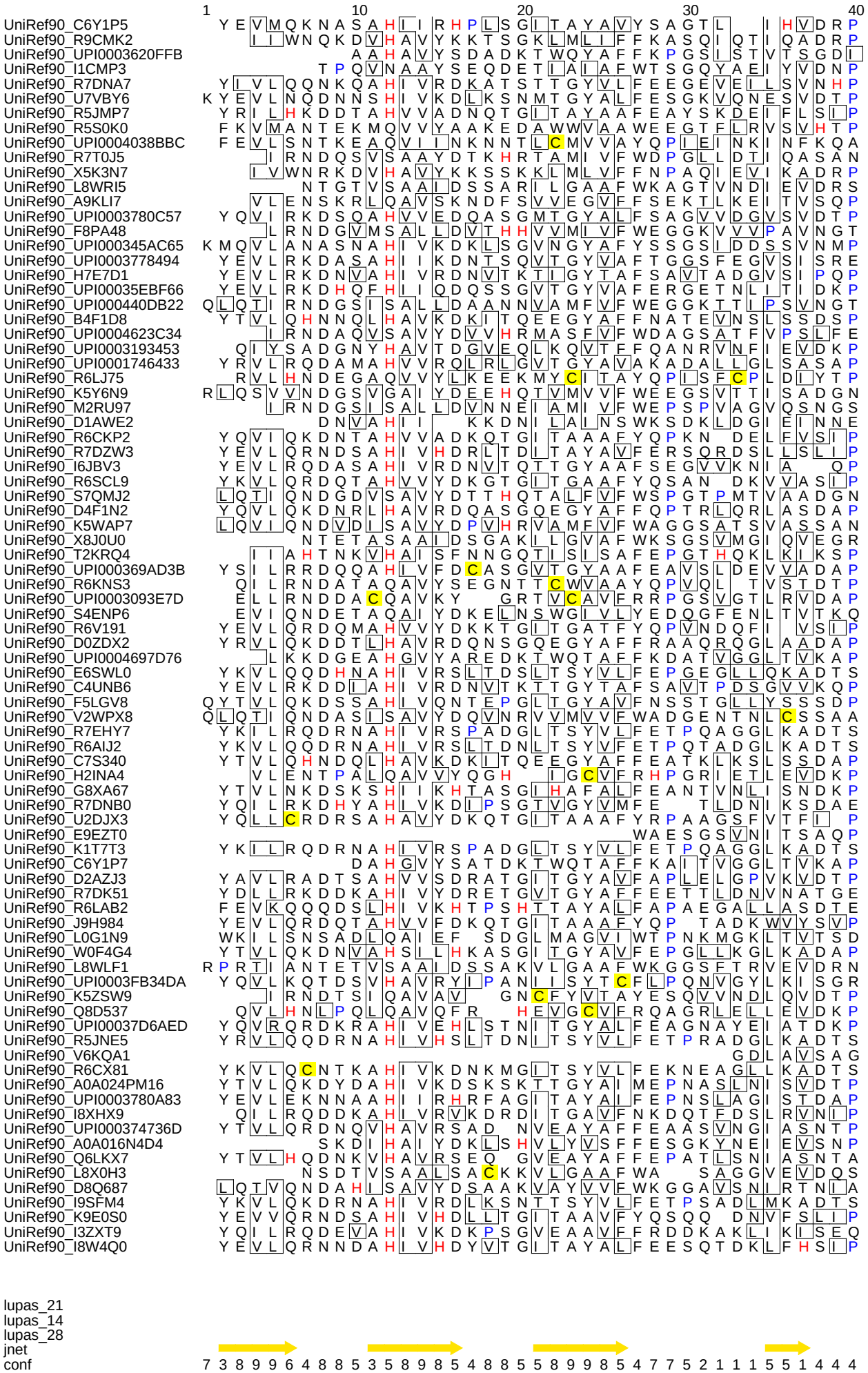

50
60
70
80
UniRef90_R7ZZ45
UniRef90_J8Z3C9
UniRef90_B9Y2K8
UniRef90_R5JJ11
UniRef90_R5VAI9
UniRef90_V7ZLR9
UniRef90_G0IXG1
UniRef90_F5WU32
UniRef90_UPI00037DDE80
UniRef90_UPI000363AC40
UniRef90_W4E3V2
UniRef90_S3ZFX6
UniRef90_UPI000382FC0F
UniRef90_T2NSZ8
UniRef90_W4DUM5
UniRef90_UPI000477480A
UniRef90_T2GCG4
UniRef90_R7ZZ38
UniRef90_E2NVA0
UniRef90_Z9JR87
UniRef90_R5C191
UniRef90_G8TC20
UniRef90_J6QMR3
UniRef90_UPI0002D385DB
UniRef90_F3PR04
UniRef90_R6CUK5
UniRef90_R6FPU9
UniRef90_I2GJA8
UniRef90_UPI00035EC756
UniRef90_UPI00046F0D00
UniRef90_UPI0002491778
UniRef90_L8H3K1
UniRef90_S8C1I1
UniRef90_UPI000365FC08
UniRef90_UPI00036746E1
UniRef90_Q4V1B2
UniRef90_G0IV90
UniRef90_UPI00037125D0
UniRef90_H5V8P7
UniRef90_R5SS32
UniRef90_R5QS73
UniRef90_I9QHT5
UniRef90_Q59288
UniRef90_R8ATU6
UniRef90_R9GRM3
UniRef90_U4KC24
UniRef90_R5DDV8
UniRef90_UPI0004723A72
UniRef90_L8GS54
UniRef90_UPI00041C0A15
UniRef90_U6RC70
UniRef90_UPI00046B035C
UniRef90_K0N8U5
UniRef90_K4QWP8
UniRef90_K9DWC2
UniRef90_C7TMV1
UniRef90_I3ZZ70
UniRef90_UPI000361483B
UniRef90_K4RKD4
UniRef90_R6EBG9
UniRef90_UPI00046E605A
UniRef90_R6FR72
UniRef90_R5I9E2
UniRef90_I9RP10
UniRef90_UPI0003807BEF
UniRef90_H2IHV7
UniRef90_E6SWK8
UniRef90_E7AAC5
UniRef90_R6DC67
UniRef90_UPI000368758E
UniRef90_R6E3P5
UniRef90_W7CK91
UniRef90_S2E6B5
UniRef90_W2UNC9
UniRef90_G1XN06
UniRef90_E7G6G8
UniRef90_H2IER5
UniRef90_I9FH85
UniRef90_R5V037
UniRef90_UPI0001746165
UniRef90_U5C549
UniRef90_S0FBI9
UniRef90_C4UNB3
UniRef90_UPI000476C0B7
UniRef90_UPI0003636B8C
UniRef90_R9GUG7
UniRef90_U7VCF0
UniRef90_F3PF13
UniRef90_UPI0002D99CE4
UniRef90_R5V946
UniRef90_UPI0002E7D036
UniRef90_R5S1V7


90
100
110
UniRef90_R7ZZ45
UniRef90_J8Z3C9
UniRef90_B9Y2K8
UniRef90_R5JJ11
UniRef90_R5VAI9
UniRef90_V7ZLR9
UniRef90_G0IXG1
UniRef90_F5WU32
UniRef90_UPI00037DDE80
UniRef90_UPI000363AC40
UniRef90_W4E3V2
UniRef90_S3ZFX6
UniRef90_UPI000382FC0F
UniRef90_T2NSZ8
UniRef90_W4DUM5
UniRef90_UPI000477480A
UniRef90_T2GCG4
UniRef90_R7ZZ38
UniRef90_E2NVA0
UniRef90_Z9JR87
UniRef90_R5C191
UniRef90_G8TC20
UniRef90_J6QMR3
UniRef90_UPI0002D385DB
UniRef90_F3PR04
UniRef90_R6CUK5
UniRef90_R6FPU9
UniRef90_I2GJA8
UniRef90_UPI00035EC756
UniRef90_UPI00046F0D00
UniRef90_UPI0002491778
UniRef90_L8H3K1
UniRef90_S8C1I1
UniRef90_UPI000365FC08
UniRef90_UPI00036746E1
UniRef90_Q4V1B2
UniRef90_G0IV90
UniRef90_UPI00037125D0
UniRef90_H5V8P7
UniRef90_R5SS32
UniRef90_R5QS73
UniRef90_I9QHT5
UniRef90_Q59288
UniRef90_R8ATU6
UniRef90_R9GRM3
UniRef90_U4KC24
UniRef90_R5DDV8
UniRef90_UPI0004723A72
UniRef90_L8GS54
UniRef90_UPI00041C0A15
UniRef90_U6RC70
UniRef90_UPI00046B035C
UniRef90_K0N8U5
UniRef90_K4QWP8
UniRef90_K9DWC2
UniRef90_C7TMV1
UniRef90_I3ZZ70
UniRef90_UPI000361483B
UniRef90_K4RKD4
UniRef90_R6EBG9
UniRef90_UPI00046E605A
UniRef90_R6FR72
UniRef90_R5I9E2
UniRef90_I9RP10
UniRef90_UPI0003807BEF
UniRef90_H2IHV7
UniRef90_E6SWK8
UniRef90_E7AAC5
UniRef90_R6DC67
UniRef90_UPI000368758E
UniRef90_R6E3P5
UniRef90_W7CK91
UniRef90_S2E6B5
UniRef90_W2UNC9
UniRef90_G1XN06
UniRef90_E7G6G8
UniRef90_H2IER5
UniRef90_I9FH85
UniRef90_R5V037
UniRef90_UPI0001746165
UniRef90_U5C549
UniRef90_S0FBI9
UniRef90_C4UNB3
UniRef90_UPI000476C0B7
UniRef90_UPI0003636B8C
UniRef90_R9GUG7
UniRef90_U7VCF0
UniRef90_F3PF13
UniRef90_UPI0002D99CE4
UniRef90_R5V946
UniRef90_UPI0002E7D036
UniRef90_R5S1V7

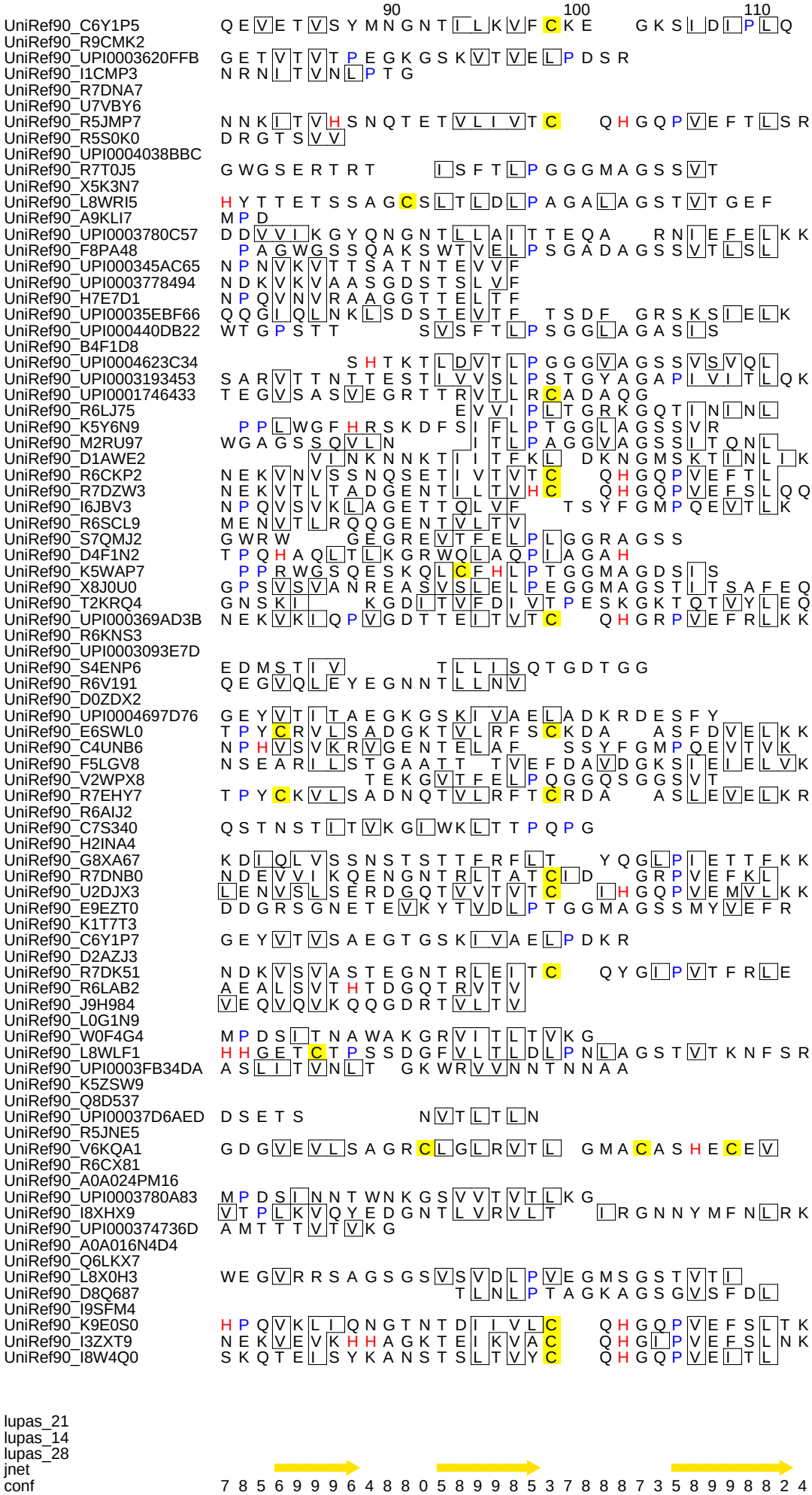

1
10
20
30
40
UniRef90_L0G076
UniRef90_P59807
UniRef90_S7V719
UniRef90_A3HY21
UniRef90_R9GR60
UniRef90_B4F1D7
UniRef90_R6GC42
UniRef90_C2FVC2
UniRef90_UPI0004708E36
UniRef90_UPI00035ECB30
UniRef90_I6ANP8
UniRef90_R6FHB2
UniRef90_D3BBC7
UniRef90_E8VX64
UniRef90_D9UY79
UniRef90_R6DKI3
UniRef90_S0FUX1
UniRef90_UPI00035CA4B2
UniRef90_R6B8B9
UniRef90_C6XVT8
UniRef90_UPI00047E2FFC
UniRef90_L8GIP3
UniRef90_F5WST8
UniRef90_I8Z823
UniRef90_D4IKB3
UniRef90_K5ZLZ0
UniRef90_UPI00045E9BA8
UniRef90_R7EDT9
UniRef90_UPI00037ACD64
UniRef90_C2G559
UniRef90_A0A021W0I2
UniRef90_F3PQL8
UniRef90_I8WZ69
UniRef90_U6RVM8
UniRef90_K9ECE3
UniRef90_B3CAP3
UniRef90_R6LKG7
UniRef90_C6XVU5
UniRef90_S2JZL2
UniRef90_R1WA16
UniRef90_UPI00036D1676
UniRef90_UPI0004416FBA
UniRef90_R6K6B1
UniRef90_B1ZPA8
UniRef90_C5B905
UniRef90_T2NS09
UniRef90_D3B075
UniRef90_W4KNF1
UniRef90_M0Q9Z3
UniRef90_UPI00035C4C90
UniRef90_W0F003
UniRef90_UPI0001746410
UniRef90_F4LPB3
UniRef90_M5BY52
UniRef90_R5UQW1
UniRef90_M2RSW6
UniRef90_X1UP25
UniRef90_I9GBA6
UniRef90_F3PP21
UniRef90_G8NVH1
UniRef90_R5W900
UniRef90_R6L598
UniRef90_X0RZR8
UniRef90_R5JRF5
UniRef90_W7C4U4
UniRef90_A5ZF74
UniRef90_UPI0003632637
UniRef90_M5NG33
UniRef90_C6XV46
UniRef90_R5IAJ6
UniRef90_X5K5H5
UniRef90_I6B272
UniRef90_UPI0004415EFD
UniRef90_A8N1Q4
UniRef90_R5C1D1
UniRef90_W4USV9
UniRef90_B0CQ33
UniRef90_L7CK39
UniRef90_R6FF82
UniRef90_R6KP69
UniRef90_I9UZX0
UniRef90_D4FB14
UniRef90_UPI00044133CC
UniRef90_J9DAD5
UniRef90_UPI000472E0E5
UniRef90_F8PA22
UniRef90_R6J9P0
UniRef90_UPI00037C7C6D
UniRef90_R9CMP5
UniRef90_W7ATT2
UniRef90_UPI000470AB7F
UniRef90_W4KN28

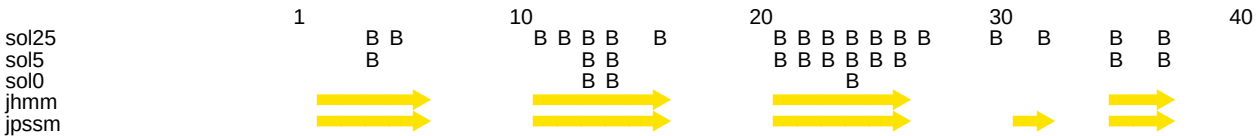

50
60
70
80
UniRef90_L0G076
UniRef90_P59807
UniRef90_S7V719
UniRef90_A3HY21
UniRef90_R9GR60
UniRef90_B4F1D7
UniRef90_R6GC42
UniRef90_C2FVC2
UniRef90_UPI0004708E36
UniRef90_UPI00035ECB30
UniRef90_I6ANP8
UniRef90_R6FHB2
UniRef90_D3BBC7
UniRef90_E8VX64
UniRef90_D9UY79
UniRef90_R6DKI3
UniRef90_S0FUX1
UniRef90_UPI00035CA4B2
UniRef90_R6B8B9
UniRef90_C6XVT8
UniRef90_UPI00047E2FFC
UniRef90_L8GIP3
UniRef90_F5WST8
UniRef90_I8Z823
UniRef90_D4IKB3
UniRef90_K5ZLZ0
UniRef90_UPI00045E9BA8
UniRef90_R7EDT9
UniRef90_UPI00037ACD64
UniRef90_C2G559
UniRef90_A0A021W0I2
UniRef90_F3PQL8
UniRef90_I8WZ69
UniRef90_U6RVM8
UniRef90_K9ECE3
UniRef90_B3CAP3
UniRef90_R6LKG7
UniRef90_C6XVU5
UniRef90_S2JZL2
UniRef90_R1WA16
UniRef90_UPI00036D1676
UniRef90_UPI0004416FBA
UniRef90_R6K6B1
UniRef90_B1ZPA8
UniRef90_C5B905
UniRef90_T2NS09
UniRef90_D3B075
UniRef90_W4KNF1
UniRef90_M0Q9Z3
UniRef90_UPI00035C4C90
UniRef90_W0F003
UniRef90_UPI0001746410
UniRef90_F4LPB3
UniRef90_M5BY52
UniRef90_R5UQW1
UniRef90_M2RSW6
UniRef90_X1UP25
UniRef90_I9GBA6
UniRef90_F3PP21
UniRef90_G8NVH1
UniRef90_R5W900
UniRef90_R6L598
UniRef90_X0RZR8
UniRef90_R5JRF5
UniRef90_W7C4U4
UniRef90_A5ZF74
UniRef90_UPI0003632637
UniRef90_M5NG33
UniRef90_C6XV46
UniRef90_R5IAJ6
UniRef90_X5K5H5
UniRef90_I6B272
UniRef90_UPI0004415EFD
UniRef90_A8N1Q4
UniRef90_R5C1D1
UniRef90_W4USV9
UniRef90_B0CQ33
UniRef90_L7CK39
UniRef90_R6FF82
UniRef90_R6KP69
UniRef90_I9UZX0
UniRef90_D4FB14
UniRef90_UPI00044133CC
UniRef90_J9DAD5
UniRef90_UPI000472E0E5
UniRef90_F8PA22
UniRef90_R6J9P0
UniRef90_UPI00037C7C6D
UniRef90_R9CMP5
UniRef90_W7ATT2
UniRef90_UPI000470AB7F
UniRef90_W4KN28

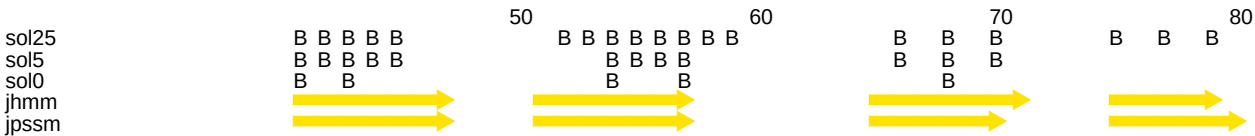

90
100
110
UniRef90_L0G076
UniRef90_P59807
UniRef90_S7V719
UniRef90_A3HY21
UniRef90_R9GR60
UniRef90_B4F1D7
UniRef90_R6GC42
UniRef90_C2FVC2
UniRef90_UPI0004708E36
UniRef90_UPI00035ECB30
UniRef90_I6ANP8
UniRef90_R6FHB2
UniRef90_D3BBC7
UniRef90_E8VX64
UniRef90_D9UY79
UniRef90_R6DKI3
UniRef90_S0FUX1
UniRef90_UPI00035CA4B2
UniRef90_R6B8B9
UniRef90_C6XVT8
UniRef90_UPI00047E2FFC
UniRef90_L8GIP3
UniRef90_F5WST8
UniRef90_I8Z823
UniRef90_D4IKB3
UniRef90_K5ZLZ0
UniRef90_UPI00045E9BA8
UniRef90_R7EDT9
UniRef90_UPI00037ACD64
UniRef90_C2G559
UniRef90_A0A021W0I2
UniRef90_F3PQL8
UniRef90_I8WZ69
UniRef90_U6RVM8
UniRef90_K9ECE3
UniRef90_B3CAP3
UniRef90_R6LKG7
UniRef90_C6XVU5
UniRef90_S2JZL2
UniRef90_R1WA16
UniRef90_UPI00036D1676
UniRef90_UPI0004416FBA
UniRef90_R6K6B1
UniRef90_B1ZPA8
UniRef90_C5B905
UniRef90_T2NS09
UniRef90_D3B075
UniRef90_W4KNF1
UniRef90_M0Q9Z3
UniRef90_UPI00035C4C90
UniRef90_W0F003
UniRef90_UPI0001746410
UniRef90_F4LPB3
UniRef90_M5BY52
UniRef90_R5UQW1
UniRef90_M2RSW6
UniRef90_X1UP25
UniRef90_I9GBA6
UniRef90_F3PP21
UniRef90_G8NVH1
UniRef90_R5W900
UniRef90_R6L598
UniRef90_X0RZR8
UniRef90_R5JRF5
UniRef90_W7C4U4
UniRef90_A5ZF74
UniRef90_UPI0003632637
UniRef90_M5NG33
UniRef90_C6XV46
UniRef90_R5IAJ6
UniRef90_X5K5H5
UniRef90_I6B272
UniRef90_UPI0004415EFD
UniRef90_A8N1Q4
UniRef90_R5C1D1
UniRef90_W4USV9
UniRef90_B0CQ33
UniRef90_L7CK39
UniRef90_R6FF82
UniRef90_R6KP69
UniRef90_I9UZX0
UniRef90_D4FB14
UniRef90_UPI00044133CC
UniRef90_J9DAD5
UniRef90_UPI000472E0E5
UniRef90_F8PA22
UniRef90_R6J9P0
UniRef90_UPI00037C7C6D
UniRef90_R9CMP5
UniRef90_W7ATT2
UniRef90_UPI000470AB7F
UniRef90_W4KN28

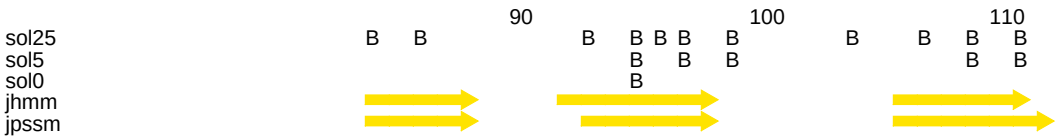

1
10
20
30
40
UniRef90_C6Y1P5
UniRef90_R9CMK2
UniRef90_UPI0003620FFB
UniRef90_I1CMP3
UniRef90_R7DNA7
UniRef90_U7VBY6
UniRef90_R5JMP7
UniRef90_R5S0K0
UniRef90_UPI0004038BBC
UniRef90_R7T0J5
UniRef90_X5K3N7
UniRef90_L8WRI5
UniRef90_A9KLI7
UniRef90_UPI0003780C57
UniRef90_F8PA48
UniRef90_UPI000345AC65
UniRef90_UPI0003778494
UniRef90_H7E7D1
UniRef90_UPI00035EBF66
UniRef90_UPI000440DB22
UniRef90_B4F1D8
UniRef90_UPI0004623C34
UniRef90_UPI0003193453
UniRef90_UPI0001746433
UniRef90_R6LJ75
UniRef90_K5Y6N9
UniRef90_M2RU97
UniRef90_D1AWE2
UniRef90_R6CKP2
UniRef90_R7DZW3
UniRef90_I6JBV3
UniRef90_R6SCL9
UniRef90_S7QMJ2
UniRef90_D4F1N2
UniRef90_K5WAP7
UniRef90_X8J0U0
UniRef90_T2KRQ4
UniRef90_UPI000369AD3B
UniRef90_R6KNS3
UniRef90_UPI0003093E7D
UniRef90_S4ENP6
UniRef90_R6V191
UniRef90_D0ZDX2
UniRef90_UPI0004697D76
UniRef90_E6SWL0
UniRef90_C4UNB6
UniRef90_F5LGV8
UniRef90_V2WPX8
UniRef90_R7EHY7
UniRef90_R6AIJ2
UniRef90_C7S340
UniRef90_H2INA4
UniRef90_G8XA67
UniRef90_R7DNB0
UniRef90_U2DJX3
UniRef90_E9EZT0
UniRef90_K1T7T3
UniRef90_C6Y1P7
UniRef90_D2AZJ3
UniRef90_R7DK51
UniRef90_R6LAB2
UniRef90_J9H984
UniRef90_L0G1N9
UniRef90_W0F4G4
UniRef90_L8WLF1
UniRef90_UPI0003FB34DA
UniRef90_K5ZSW9
UniRef90_Q8D537
UniRef90_UPI00037D6AED
UniRef90_R5JNE5
UniRef90_V6KQA1
UniRef90_R6CX81
UniRef90_A0A024PM16
UniRef90_UPI0003780A83
UniRef90_I8XHX9
UniRef90_UPI000374736D
UniRef90_A0A016N4D4
UniRef90_Q6LKX7
UniRef90_L8X0H3
UniRef90_D8Q687
UniRef90_I9SFM4
UniRef90_K9E0S0
UniRef90_I3ZXT9
UniRef90_I8W4Q0
lupas_21
lupas_14
lupas_28
jnet
conf
7 3 8 9 9 6 4 8 8 5 3 5 8 9 8 5 4 8 8 5 5 8 9 9 8 5 4 7 7 5 2 1 1 1 5 5 1 4 4 4

50
60
70
80
UniRef90_C6Y1P5
UniRef90_R9CMK2
UniRef90_UPI0003620FFB
UniRef90_I1CMP3
UniRef90_R7DNA7
UniRef90_U7VBY6
UniRef90_R5JMP7
UniRef90_R5S0K0
UniRef90_UPI0004038BBC
UniRef90_R7T0J5
UniRef90_X5K3N7
UniRef90_L8WRI5
UniRef90_A9KLI7
UniRef90_UPI0003780C57
UniRef90_F8PA48
UniRef90_UPI000345AC65
UniRef90_UPI0003778494
UniRef90_H7E7D1
UniRef90_UPI00035EBF66
UniRef90_UPI000440DB22
UniRef90_B4F1D8
UniRef90_UPI0004623C34
UniRef90_UPI0003193453
UniRef90_UPI0001746433
UniRef90_R6LJ75
UniRef90_K5Y6N9
UniRef90_M2RU97
UniRef90_D1AWE2
UniRef90_R6CKP2
UniRef90_R7DZW3
UniRef90_I6JBV3
UniRef90_R6SCL9
UniRef90_S7QMJ2
UniRef90_D4F1N2
UniRef90_K5WAP7
UniRef90_X8J0U0
UniRef90_T2KRQ4
UniRef90_UPI000369AD3B
UniRef90_R6KNS3
UniRef90_UPI0003093E7D
UniRef90_S4ENP6
UniRef90_R6V191
UniRef90_D0ZDX2
UniRef90_UPI0004697D76
UniRef90_E6SWL0
UniRef90_C4UNB6
UniRef90_F5LGV8
UniRef90_V2WPX8
UniRef90_R7EHY7
UniRef90_R6AIJ2
UniRef90_C7S340
UniRef90_H2INA4
UniRef90_G8XA67
UniRef90_R7DNB0
UniRef90_U2DJX3
UniRef90_E9EZT0
UniRef90_K1T7T3
UniRef90_C6Y1P7
UniRef90_D2AZJ3
UniRef90_R7DK51
UniRef90_R6LAB2
UniRef90_J9H984
UniRef90_L0G1N9
UniRef90_W0F4G4
UniRef90_L8WLF1
UniRef90_UPI0003FB34DA
UniRef90_K5ZSW9
UniRef90_Q8D537
UniRef90_UPI00037D6AED
UniRef90_R5JNE5
UniRef90_V6KQA1
UniRef90_R6CX81
UniRef90_A0A024PM16
UniRef90_UPI0003780A83
UniRef90_I8XHX9
UniRef90_UPI000374736D
UniRef90_A0A016N4D4
UniRef90_Q6LKX7
UniRef90_L8X0H3
UniRef90_D8Q687
UniRef90_I9SFM4
UniRef90_K9E0S0
UniRef90_I3ZXT9
UniRef90_I8W4Q0
lupas_21
lupas_14
lupas_28
jnet
conf
2 7 9 9 9 8 6 5 8 6 4 8 9 9 9 8 5 3 7 8 8 8 7 5 1 7 8 9 8 5 0 8 8 5 6 9 9 9 7 2


90
100
110
UniRef90_C6Y1P5 Q E V E T V S Y M N G N T I L K V F C K E G K S I D I P L Q
UniRef90_R9CMK2
UniRef90_UPI0003620FFB G E T V T V T P E G K G S K V T V E L P D S R
UniRef90_I1CMP3 N R N I T V N L P T G
UniRef90_R7DNA7
UniRef90_U7VBY6
UniRef90_R5JMP7 N N K I T V H S N Q T E T V L I V T C Q H G Q P V E F T L S R
UniRef90_R5S0K0 D R G T S V V
UniRef90_UPI0004038BBC
UniRef90_R7T0J5 G W G S E R T R T I S F T L P G G G M A G S S V T
UniRef90_X5K3N7
UniRef90_L8WRI5 H Y T T E T S S A G C S L T L D L P A G A L A G S T V T G E F
UniRef90_A9KLI7 M P D
UniRef90_UPI0003780C57 D D V V I K G Y Q N G N T L L A I T T E Q A R N I E F E L K K
UniRef90_F8PA48 P A G W G S S Q A K S W T V E L P S G A D A G S S V T L S L
UniRef90_UPI000345AC65 N P N V K V T T S A T N T E V V F
UniRef90_UPI0003778494 N D K V K V A A S G D S T S L V F
UniRef90_H7E7D1 N P Q V N V R A A G G T T E L T F
UniRef90_UPI00035EBF66 Q Q G I Q L N K L S D S T E V T F T S D F G R S K S I E L K
UniRef90_UPI000440DB22 W T G P S T T S V S F T L P S G G L A G A S I S
UniRef90_B4F1D8
UniRef90_UPI0004623C34 S H T K T L D V T L P G G G V A G S S V S V Q L
UniRef90_UPI0003193453 S A R V T T N T T E S T I V V S L P S T G Y A G A P I V I T L Q K
UniRef90_UPI0001746433 T E G V S A S V E G R T T R V T L R C A D A Q G
UniRef90_R6LJ75 E V V I P L T G R K G Q T I N I N L
UniRef90_K5Y6N9 P P L W G F H R S K D F S I F L P T G G L A G S S V R
UniRef90_M2RU97 W G A G S S Q V L N I T L P A G G V A G S S I T Q N L
UniRef90_D1AWE2 V I N K N N K T I I T F K L D K N G M S K T I N L I K
UniRef90_R6CKP2 N E K V N V S S N Q S E T I V T V T C Q H G Q P V E F T L
UniRef90_R7DZW3 N E K V T L T A D G E N T I L T V H C Q H G Q P V E F S L Q Q
UniRef90_I6JBV3 N P Q V S V K L A G E T T Q L V F T S Y F G M P Q E V T L K
UniRef90_R6SCL9 M E N V T L R Q Q G E N T V L T V
UniRef90_S7QMJ2 G W R W G E G R E V T F E L P L G G R A G S S
UniRef90_D4F1N2 T P Q H A Q L T L K G R W Q L A Q P I A G A H
UniRef90_K5WAP7 P P R W G S Q E S K Q L C F H L P T G G M A G D S I S
UniRef90_X8J0U0 G P S V S V A N R E A S V S L E L P E G G M A G S T I T S A F E Q
UniRef90_T2KRQ4 G N S K I K G D I T V F D I V T P E S K G K T Q T V Y L E Q
UniRef90_UPI000369AD3B N E K V K I Q P V G D T T E I T V T C Q H G R P V E F R L K K
UniRef90_R6KNS3
UniRef90_UPI0003093E7D
UniRef90_S4ENP6 E D M S T I V T L L I S Q T G D T G G
UniRef90_R6V191 Q E G V Q L E Y E G N N T L L N V
UniRef90_D0ZDX2
UniRef90_UPI0004697D76 G E Y V T I T A E G K G S K I V A E L A D K R D E S F Y
UniRef90_E6SWL0 T P Y C R V L S A D G K T V L R F S C K D A A S F D V E L K K
UniRef90_C4UNB6 N P H V S V K R V G E N T E L A F S S Y F G M P Q E V T V K
UniRef90_F5LGV8 N S E A R I L S T G A A T T T V E F D A V D G K S I E I E L V K
UniRef90_V2WPX8 T E K G V T F E L P Q G G Q S G G S V T
UniRef90_R7EHY7 T P Y C K V L S A D N Q T V L R F T C R D A A S L E V E L K R
UniRef90_R6AIJ2
UniRef90_C7S340 Q S T N S T I T V K G I W K L T T P Q P G
UniRef90_H2INA4
UniRef90_G8XA67 K D I Q L V S S N S T S T T F R F L T Y Q G L P I E T T F K K
UniRef90_R7DNB0 N D E V V I K Q E N G N T R L T A T C I D G R P V E F K L
UniRef90_U2DJX3 L E N V S L S E R D G Q T V V T V T C I H G Q P V E M V L K K
UniRef90_E9EZT0 D D G R S G N E T E V K Y T V D L P T G G M A G S S M Y V E F R
UniRef90_K1T7T3
UniRef90_C6Y1P7 G E Y V T V S A E G T G S K I V A E L P D K R
UniRef90_D2AZJ3
UniRef90_R7DK51 N D K V S V A S T E G N T R L E I T C Q Y G I P V T F R L E
UniRef90_R6LAB2 A E A L S V T H T D G Q T R V T V
UniRef90_J9H984 V E Q V Q V K Q Q G D R T V L T V
UniRef90_L0G1N9
UniRef90_W0F4G4 M P D S I T N A W A K G R V I T L T V K G
UniRef90_L8WLF1 H H G E T C T P S S D G F V L T L D L P N L A G S T V T K N F S R
UniRef90_UPI0003FB34DA A S L I T V N L T G K W R V V N N T N N A A
UniRef90_K5ZSW9
UniRef90_Q8D537
UniRef90_UPI00037D6AED D S E T S N V T L T L N
UniRef90_R5JNE5
UniRef90_V6KQA1 G D G V E V L S A G R C L G L R V T L G M A C A S H E C E V
UniRef90_R6CX81
UniRef90_A0A024PM16
UniRef90_UPI0003780A83 M P D S I N N T W N K G S V V T V T L K G
UniRef90_I8XHX9 V T P L K V Q Y E D G N T L V R V L T I R G N N Y M F N L R K
UniRef90_UPI000374736D A M T T T V T V K G
UniRef90_A0A016N4D4
UniRef90_Q6LKX7
UniRef90_L8X0H3 W E G V R R S A G S G S V S V D L P V E G M S G S T V T I
UniRef90_D8Q687 T L N L P T A G K A G S G V S F D L
UniRef90_I9SFM4
UniRef90_K9E0S0 H P Q V K L I Q N G T N T D I I V L C Q H G Q P V E F S L T K
UniRef90_I3ZXT9 N E K V E V K H H A G K T E I K V A C Q H G I P V E F S L N K
UniRef90_I8W4Q0 S K Q T E I S Y K A N S T S L T V Y C Q H G Q P V E I T L
lupas_21
lupas_14
lupas_28
jnet
conf 7 8 5 6 9 9 9 6 4 8 8 0 5 8 9 9 8 5 3 7 8 8 8 7 3 5 8 9 9 8 8 2 4


1
10
20
30
40
sol25
sol5
sol0
jhmm
jpssm


50
60
70
80
sol25
sol5
sol0
jhmm
jpssm


90
100
110
sol25
sol5
sol0
jhmm
jpssm