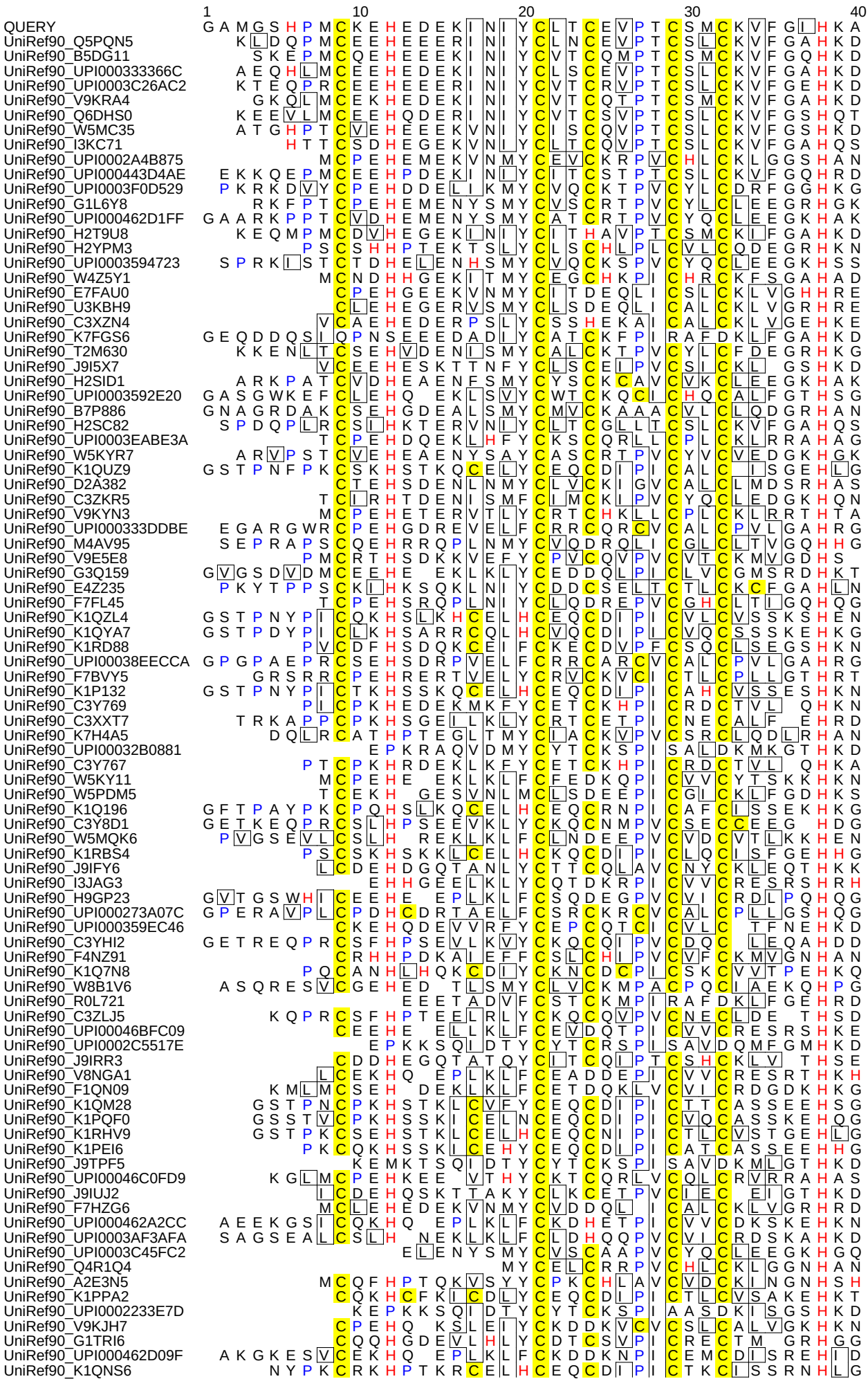
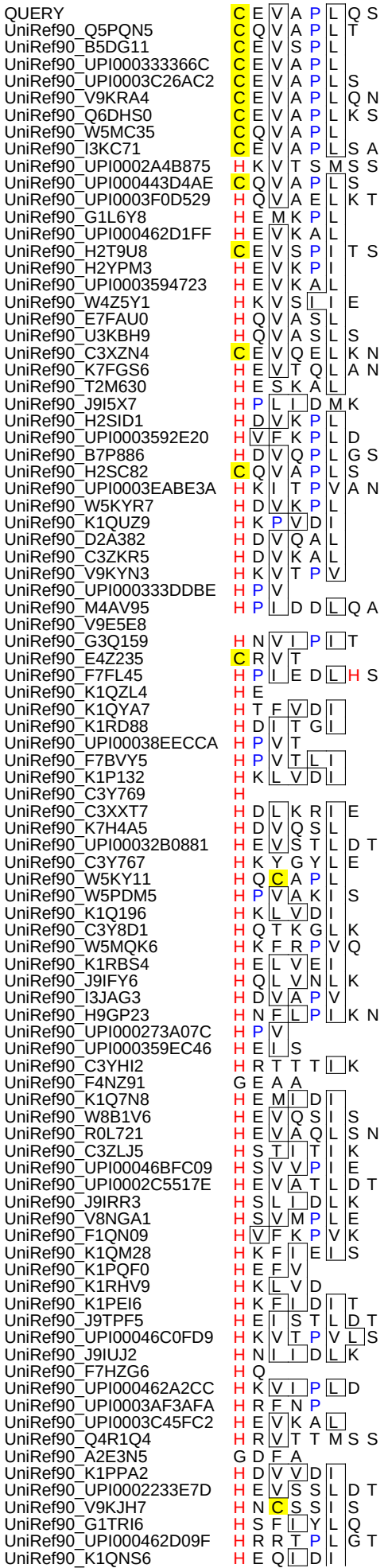
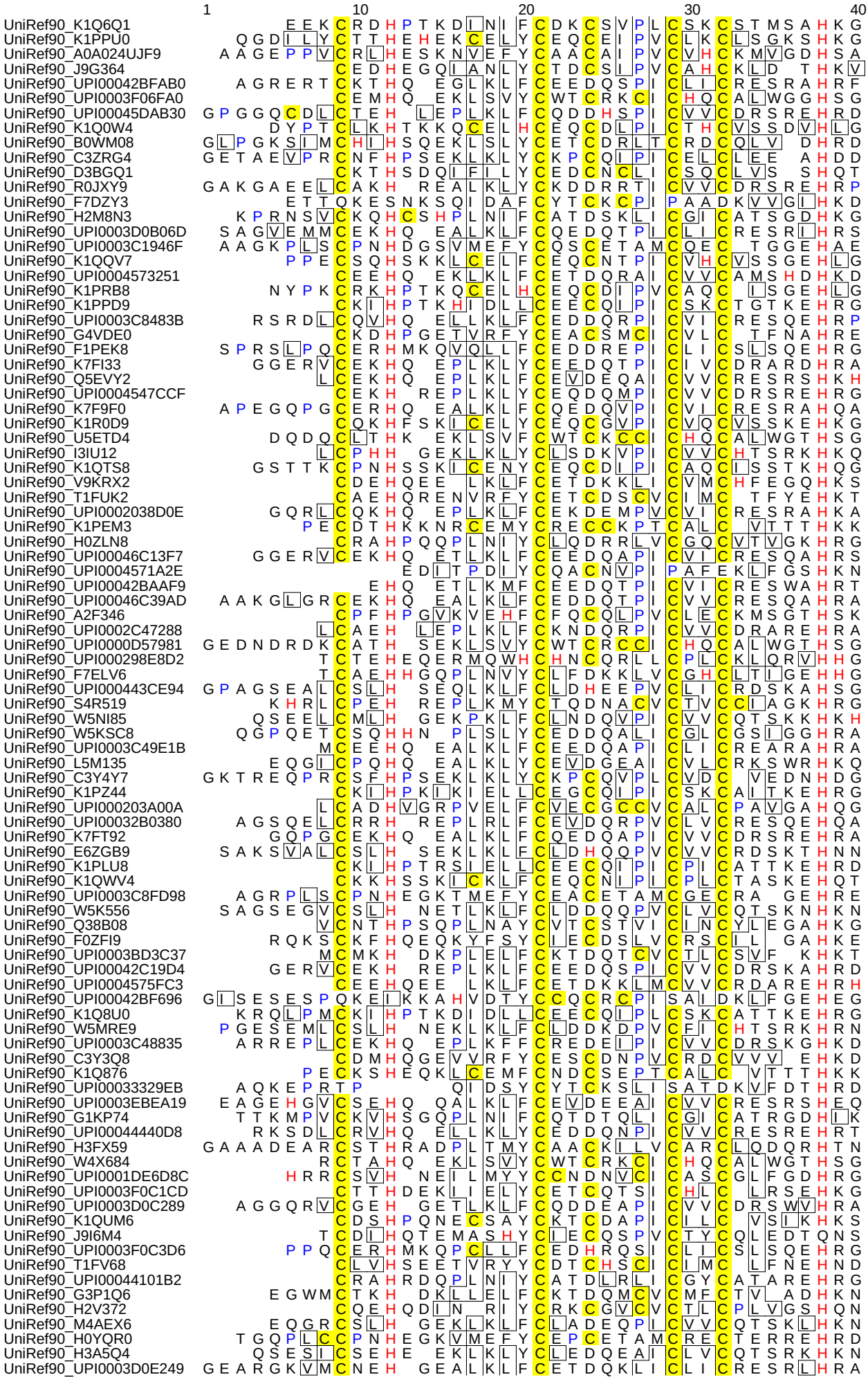
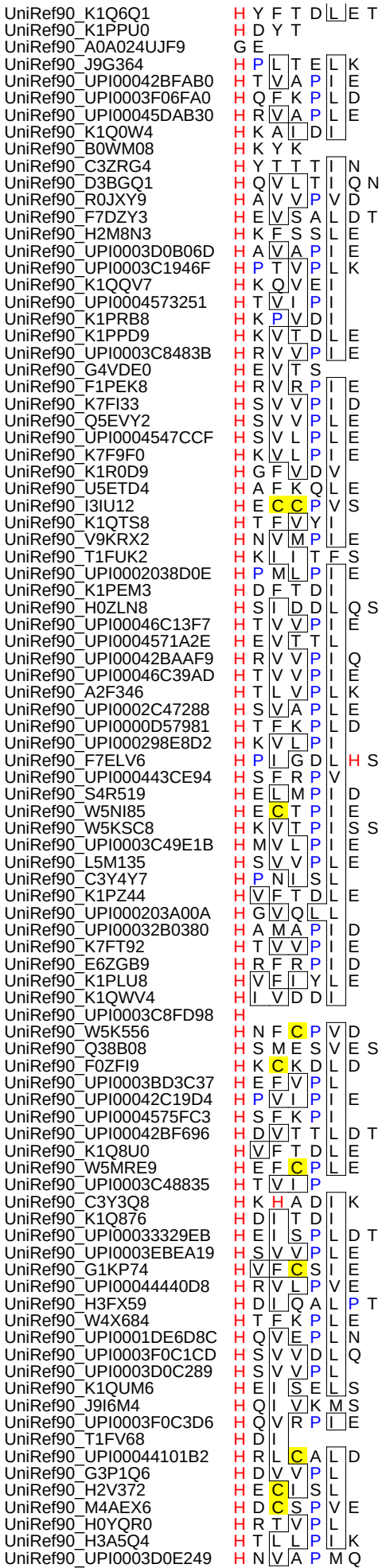
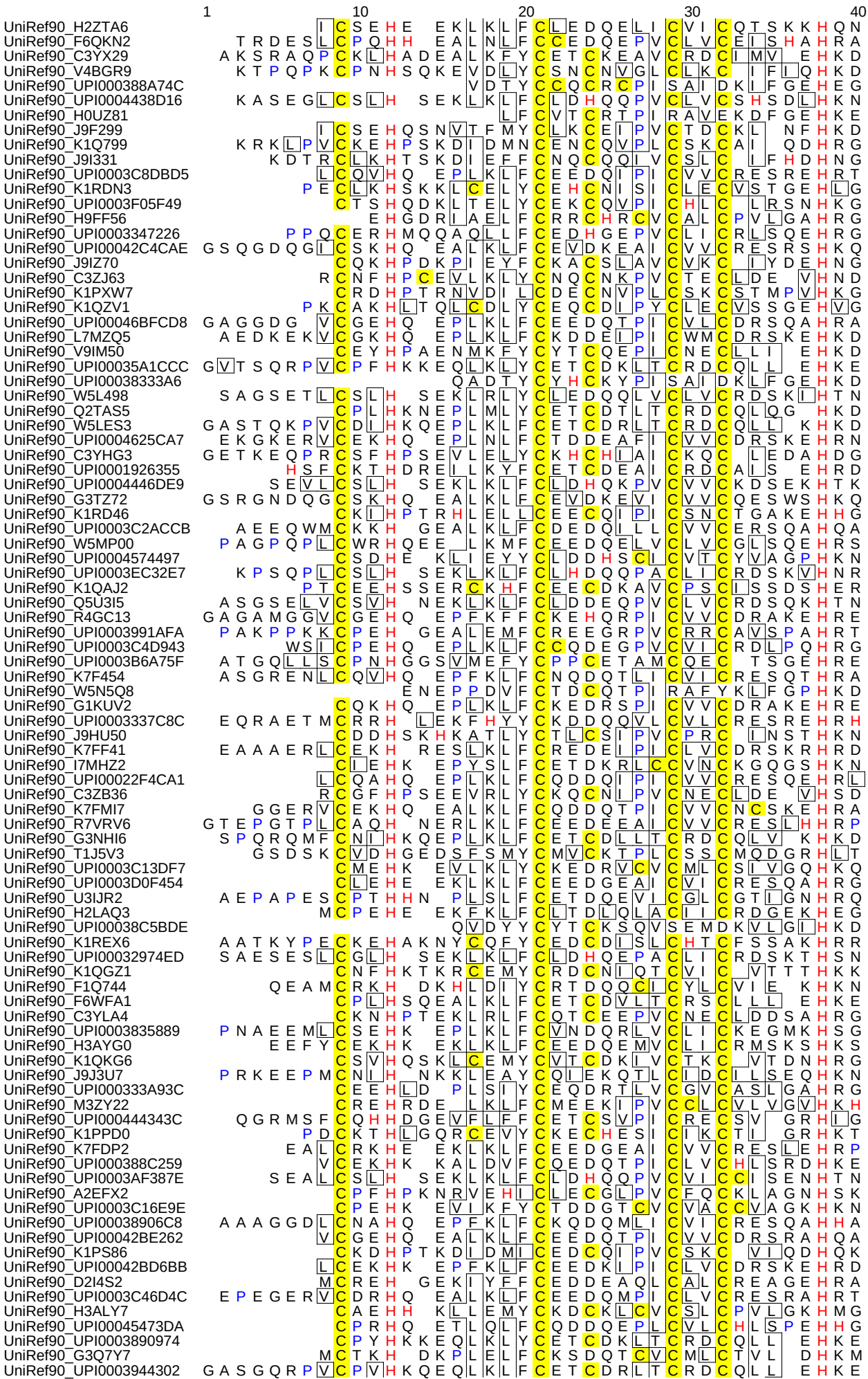
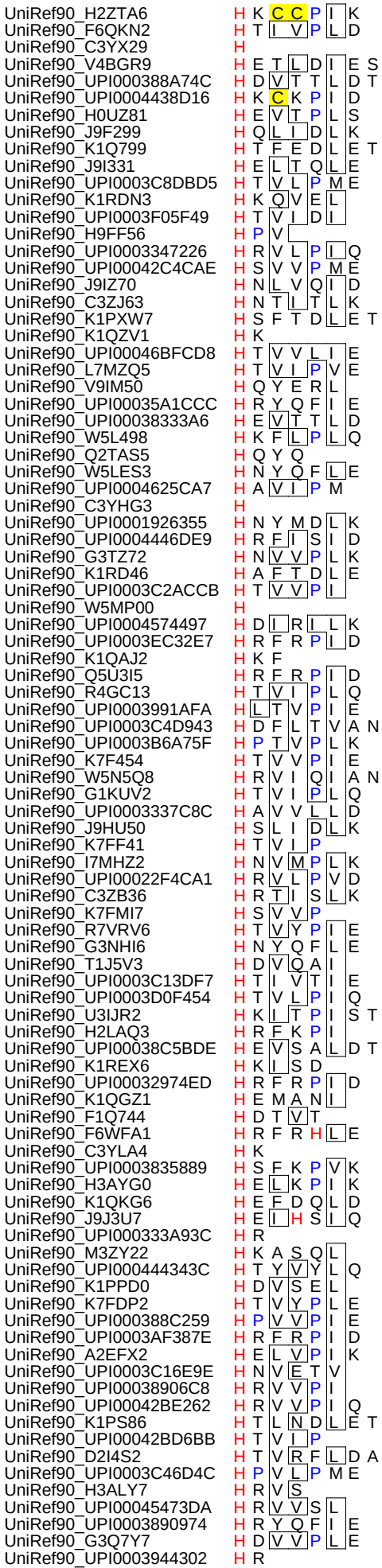

1
10
20
30
40
QUERY
UniRef90_Q5PQN5
UniRef90_B5DG11
UniRef90_UPI000333366C
UniRef90_UPI0003C26AC2
UniRef90_V9KRA4
UniRef90_Q6DHS0
UniRef90_W5MC35
UniRef90_I3KC71
UniRef90_UPI0002A4B875
UniRef90_UPI000443D4AE
UniRef90_UPI0003F0D529
UniRef90_G1L6Y8
UniRef90_UPI000462D1FF
UniRef90_H2T9U8
UniRef90_H2YPM3
UniRef90_UPI0003594723
UniRef90_W4Z5Y1
UniRef90_E7FAU0
UniRef90_U3KBH9
UniRef90_C3XZN4
UniRef90_K7FGS6
UniRef90_T2M630
UniRef90_J9I5X7
UniRef90_H2SID1
UniRef90_UPI0003592E20
UniRef90_B7P886
UniRef90_H2SC82
UniRef90_UPI0003EABE3A
UniRef90_W5KYR7
UniRef90_K1QUZ9
UniRef90_D2A382
UniRef90_C3ZKR5
UniRef90_V9KYN3
UniRef90_UPI000333DDBE
UniRef90_M4AV95
UniRef90_V9E5E8
UniRef90_G3Q159
UniRef90_E4Z235
UniRef90_F7FL45
UniRef90_K1QZL4
UniRef90_K1QYA7
UniRef90_K1RD88
UniRef90_UPI00038EECCA
UniRef90_F7BVY5
UniRef90_K1P132
UniRef90_C3Y769
UniRef90_C3XXT7
UniRef90_K7H4A5
UniRef90_UPI00032B0881
UniRef90_C3Y767
UniRef90_W5KY11
UniRef90_W5PDM5
UniRef90_K1Q196
UniRef90_C3Y8D1
UniRef90_W5MQK6
UniRef90_K1RBS4
UniRef90_J9IFY6
UniRef90_I3JAG3
UniRef90_H9GP23
UniRef90_UPI000273A07C
UniRef90_UPI000359EC46
UniRef90_C3YHI2
UniRef90_F4NZ91
UniRef90_K1Q7N8
UniRef90_W8B1V6
UniRef90_R0L721
UniRef90_C3ZLJ5
UniRef90_UPI00046BFC09
UniRef90_UPI0002C5517E
UniRef90_J9IRR3
UniRef90_V8NGA1
UniRef90_F1QN09
UniRef90_K1QM28
UniRef90_K1PQF0
UniRef90_K1RHV9
UniRef90_K1PEI6
UniRef90_J9TPF5
UniRef90_UPI00046C0FD9
UniRef90_J9IUJ2
UniRef90_F7HZG6
UniRef90_UPI000462A2CC
UniRef90_UPI0003AF3AFA
UniRef90_UPI0003C45FC2
UniRef90_Q4R1Q4
UniRef90_A2E3N5
UniRef90_K1PPA2
UniRef90_UPI0002233E7D
UniRef90_V9KJH7
UniRef90_G1TRI6
UniRef90_UPI000462D09F
UniRef90_K1QNS6

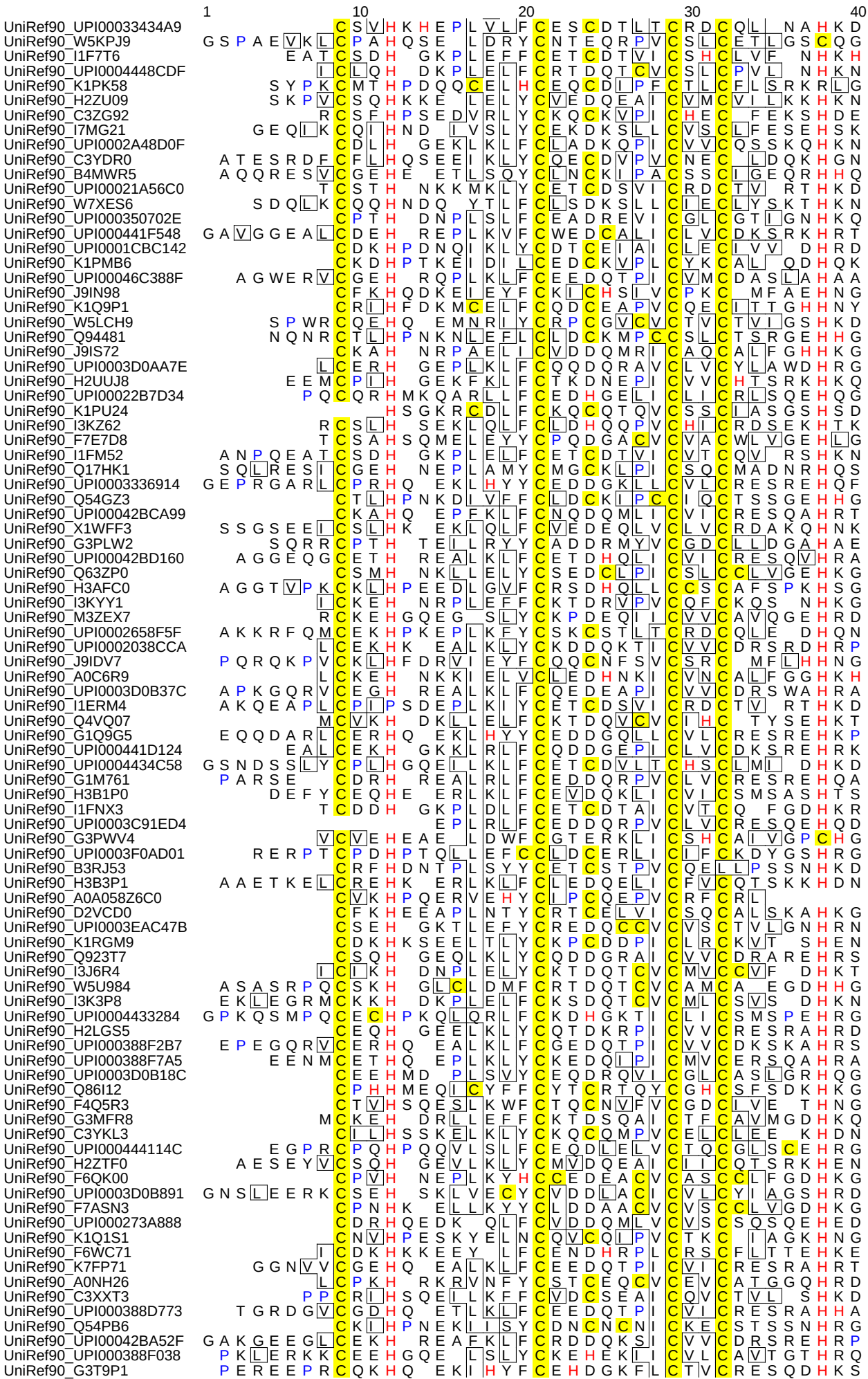

QUERY C E V A P L Q S
UniRef90_Q5PQN5 C Q V A P L T
UniRef90_B5DG11 C E V S P L
UniRef90_UPI000333366C C E V A P L
UniRef90_UPI0003C26AC2 C E V A P L S
UniRef90_V9KRA4 C E V A P L Q N
UniRef90_Q6DHS0 C E V A P L K S
UniRef90_W5MC35 C Q V A P L
UniRef90_I3KC71 C E V A P L S A
UniRef90_UPI0002A4B875 H K V T S M S S
UniRef90_UPI000443D4AE C Q V A P L S
UniRef90_UPI0003F0D529 H Q V A E L K T
UniRef90_G1L6Y8 H E M K P L
UniRef90_UPI000462D1FF H E V K A L
UniRef90_H2T9U8 C E V S P I T S
UniRef90_H2YPM3 H E V K P I
UniRef90_UPI0003594723 H E V K A L
UniRef90_W4Z5Y1 H K V S I I E
UniRef90_E7FAU0 H Q V A S L
UniRef90_U3KBH9 H Q V A S L S
UniRef90_C3XZN4 C E V Q E L K N
UniRef90_K7FGS6 H E V T Q L A N
UniRef90_T2M630 H E S K A L
UniRef90_J9I5X7 H P L I D M K
UniRef90_H2SID1 H D V K P L
UniRef90_UPI0003592E20 H V F K P L D
UniRef90_B7P886 H D V Q P L G S
UniRef90_H2SC82 C Q V A P L S
UniRef90_UPI0003EABE3A H K I T P V A N
UniRef90_W5KYR7 H D V K P L
UniRef90_K1QUZ9 H K P V D I
UniRef90_D2A382 H D V Q A L
UniRef90_C3ZKR5 H D V K A L
UniRef90_V9KYN3 H K V T P V
UniRef90_UPI000333DDBE H P V
UniRef90_M4AV95 H P I D D L Q A
UniRef90_V9E5E8
UniRef90_G3Q159 H N V I P I T
UniRef90_E4Z235 C R V T
UniRef90_F7FL45 H P I E D L H S
UniRef90_K1QZL4 H E
UniRef90_K1QYA7 H T F V D I
UniRef90_K1RD88 H D I T G I
UniRef90_UPI00038EECCA H P V T
UniRef90_F7BVY5 H P V T L I
UniRef90_K1P132 H K L V D I
UniRef90_C3Y769 H
UniRef90_C3XXT7 H D L K R I E
UniRef90_K7H4A5 H D V Q S L
UniRef90_UPI00032B0881 H E V S T L D T
UniRef90_C3Y767 H K Y G Y L E
UniRef90_W5KY11 H Q C A P L
UniRef90_W5PDM5 H P V A K I S
UniRef90_K1Q196 H K L V D I
UniRef90_C3Y8D1 H Q T K G L K
UniRef90_W5MQK6 H K F R P V Q
UniRef90_K1RBS4 H E L V E I
UniRef90_J9IFY6 H Q L V N L K
UniRef90_I3JAG3 H D V A P V
UniRef90_H9GP23 H N F L P I K N
UniRef90_UPI000273A07C H P V
UniRef90_UPI000359EC46 H E I S
UniRef90_C3YHI2 H R T T T I K
UniRef90_F4NZ91 G E A A
UniRef90_K1Q7N8 H E M I D I
UniRef90_W8B1V6 H E V Q S I S
UniRef90_R0L721 H E V A Q L S N
UniRef90_C3ZLJ5 H S T I T I K
UniRef90_UPI00046BFC09 H S V V P I E
UniRef90_UPI0002C5517E H E V A T L D T
UniRef90_J9IRR3 H S L I D L K
UniRef90_V8NGA1 H S V M P L E
UniRef90_F1QN09 H V F K P V K
UniRef90_K1QM28 H K F I E I S
UniRef90_K1PQF0 H E F V
UniRef90_K1RHV9 H K L V D
UniRef90_K1PEI6 H K F I D I T
UniRef90_J9TPF5 H E I S T L D T
UniRef90_UPI00046C0FD9 H K V T P V L S
UniRef90_J9IUJ2 H N I I D L K
UniRef90_F7HZG6 H Q
UniRef90_UPI000462A2CC H K V I P L D
UniRef90_UPI0003AF3AFA H R F N P
UniRef90_UPI0003C45FC2 H E V K A L
UniRef90_Q4R1Q4 H R V T T M S S
UniRef90_A2E3N5 G D F A
UniRef90_K1PPA2 H D V V D I
UniRef90_UPI0002233E7D H E V S S L D T
UniRef90_V9KJH7 H N C S S I S
UniRef90_G1TRI6 H S F I Y L Q
UniRef90_UPI000462D09F H R R T P L G T
UniRef90_K1QNS6 H E Q I D I

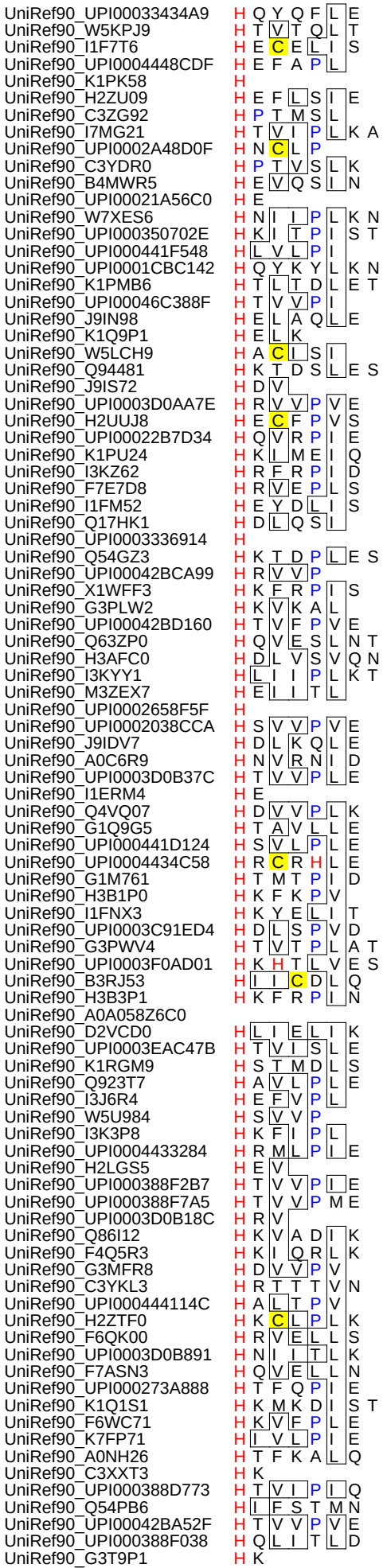

1
10
20
30
40
UniRef90_K1Q6Q1
UniRef90_K1PPU0
UniRef90_A0A024UJF9
UniRef90_J9G364
UniRef90_UPI00042BFAB0
UniRef90_UPI0003F06FA0
UniRef90_UPI00045DAB30
UniRef90_K1Q0W4
UniRef90_B0WM08
UniRef90_C3ZRG4
UniRef90_D3BGQ1
UniRef90_R0JXY9
UniRef90_F7DZY3
UniRef90_H2M8N3
UniRef90_UPI0003D0B06D
UniRef90_UPI0003C1946F
UniRef90_K1QQV7
UniRef90_UPI0004573251
UniRef90_K1PRB8
UniRef90_K1PPD9
UniRef90_UPI0003C8483B
UniRef90_G4VDE0
UniRef90_F1PEK8
UniRef90_K7FI33
UniRef90_Q5EVY2
UniRef90_UPI0004547CCF
UniRef90_K7F9F0
UniRef90_K1R0D9
UniRef90_U5ETD4
UniRef90_I3IU12
UniRef90_K1QTS8
UniRef90_V9KRX2
UniRef90_T1FUK2
UniRef90_UPI0002038D0E
UniRef90_K1PEM3
UniRef90_H0ZLN8
UniRef90_UPI00046C13F7
UniRef90_UPI0004571A2E
UniRef90_UPI00042BAAF9
UniRef90_UPI00046C39AD
UniRef90_A2F346
UniRef90_UPI0002C47288
UniRef90_UPI0000D57981
UniRef90_UPI000298E8D2
UniRef90_F7ELV6
UniRef90_UPI000443CE94
UniRef90_S4R519
UniRef90_W5NI85
UniRef90_W5KSC8
UniRef90_UPI0003C49E1B
UniRef90_L5M135
UniRef90_C3Y4Y7
UniRef90_K1PZ44
UniRef90_UPI000203A00A
UniRef90_UPI00032B0380
UniRef90_K7FT92
UniRef90_E6ZGB9
UniRef90_K1PLU8
UniRef90_K1QWV4
UniRef90_UPI0003C8FD98
UniRef90_W5K556
UniRef90_Q38B08
UniRef90_F0ZFI9
UniRef90_UPI0003BD3C37
UniRef90_UPI00042C19D4
UniRef90_UPI0004575FC3
UniRef90_UPI00042BF696
UniRef90_K1Q8U0
UniRef90_W5MRE9
UniRef90_UPI0003C48835
UniRef90_C3Y3Q8
UniRef90_K1Q876
UniRef90_UPI00033329EB
UniRef90_UPI0003EBEA19
UniRef90_G1KP74
UniRef90_UPI00044440D8
UniRef90_H3FX59
UniRef90_W4X684
UniRef90_UPI0001DE6D8C
UniRef90_UPI0003F0C1CD
UniRef90_UPI0003D0C289
UniRef90_K1QUM6
UniRef90_J9I6M4
UniRef90_UPI0003F0C3D6
UniRef90_T1FV68
UniRef90_UPI00044101B2
UniRef90_G3P1Q6
UniRef90_H2V372
UniRef90_M4AEX6
UniRef90_H0YQR0
UniRef90_H3A5Q4
UniRef90_UPI0003D0E249

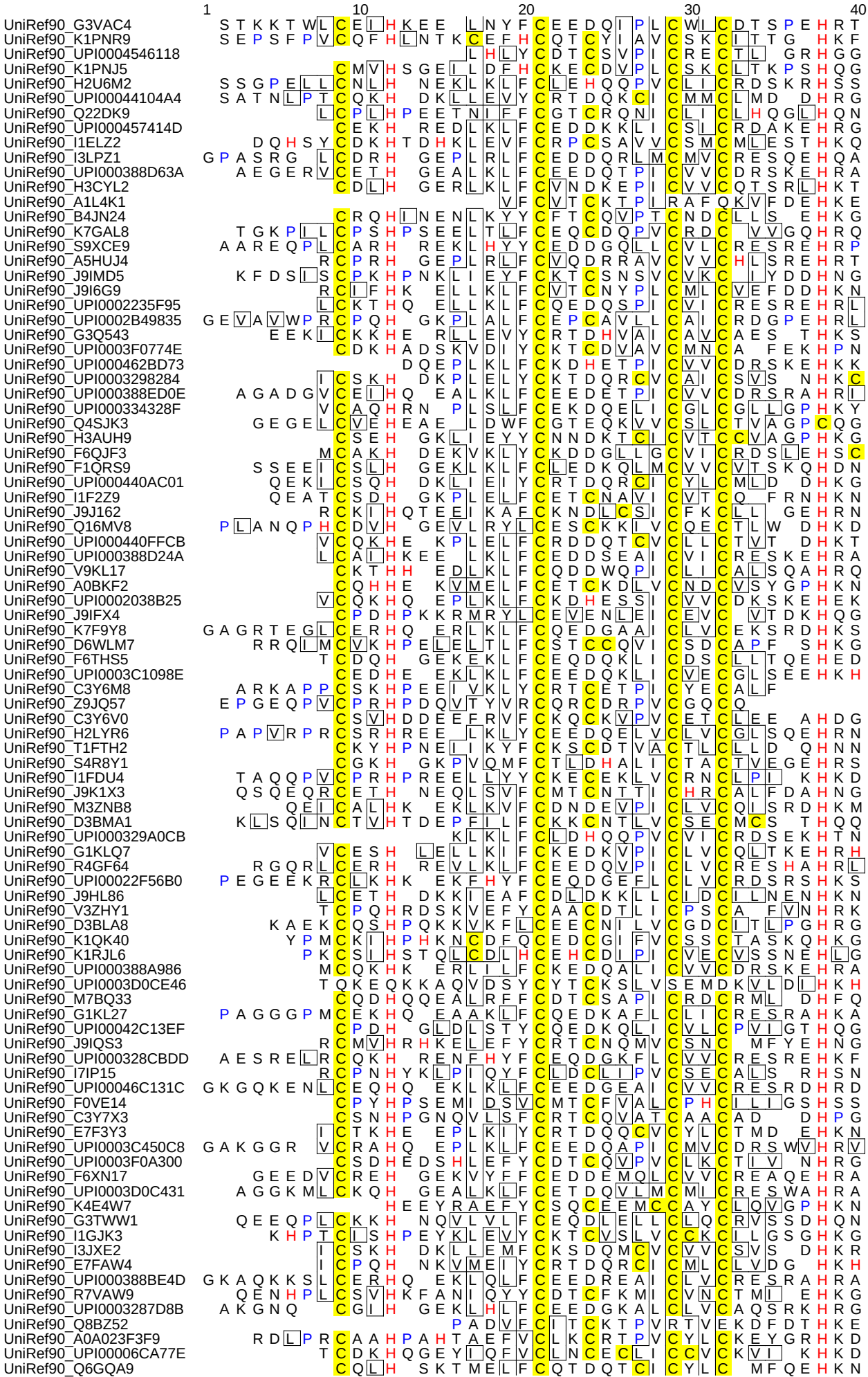

UniRef90_K1Q6Q1 H Y F T D L E T
UniRef90_K1PPU0 H D Y T
UniRef90_A0A024UJF9 G E
UniRef90_J9G364 H P L T E L K
UniRef90_UPI00042BFAB0 H T V A P I E
UniRef90_UPI0003F06FA0 H Q F K P L D
UniRef90_UPI00045DAB30 H R V A P L E
UniRef90_K1Q0W4 H K A I D I
UniRef90_B0WM08 H K Y K
UniRef90_C3ZRG4 H Y T T T I N
UniRef90_D3BGQ1 H Q V L T I Q N
UniRef90_R0JXY9 H A V V P V D
UniRef90_F7DZY3 H E V S A L D T
UniRef90_H2M8N3 H K F S S L E
UniRef90_UPI0003D0B06D H A V A P I E
UniRef90_UPI0003C1946F H P T V P L K
UniRef90_K1QQV7 H K Q V E I
UniRef90_UPI0004573251 H T V I P I
UniRef90_K1PRB8 H K P V D I
UniRef90_K1PPD9 H K V T D L E
UniRef90_UPI0003C8483B H R V V P I E
UniRef90_G4VDE0 H E V T S
UniRef90_F1PEK8 H R V R P I E
UniRef90_K7FI33 H S V V P I D
UniRef90_Q5EVY2 H S V V P L E
UniRef90_UPI0004547CCF H S V L P L E
UniRef90_K7F9F0 H K V L P I E
UniRef90_K1R0D9 H G F V D V
UniRef90_U5ETD4 H A F K Q L E
UniRef90_I3IU12 H E C C P V S
UniRef90_K1QTS8 H T F V Y I
UniRef90_V9KRX2 H N V M P I E
UniRef90_T1FUK2 H K I I T F S
UniRef90_UPI0002038D0E H P M L P I E
UniRef90_K1PEM3 H D F T D I
UniRef90_H0ZLN8 H S I D D L Q S
UniRef90_UPI00046C13F7 H T V V P I E
UniRef90_UPI0004571A2E H E V T T L
UniRef90_UPI00042BAAF9 H R V V P I Q
UniRef90_UPI00046C39AD H T V V P I E
UniRef90_A2F346 H T L V P L K
UniRef90_UPI0002C47288 H S V A P L E
UniRef90_UPI0000D57981 H T F K P L D
UniRef90_UPI000298E8D2 H K V L P I
UniRef90_F7ELV6 H P I G D L H S
UniRef90_UPI000443CE94 H S F R P V
UniRef90_S4R519 H E L M P I D
UniRef90_W5NI85 H E C T P I E
UniRef90_W5KSC8 H K V T P I S S
UniRef90_UPI0003C49E1B H M V L P I E
UniRef90_L5M135 H S V V P L E
UniRef90_C3Y4Y7 H P N I S L
UniRef90_K1PZ44 H V F T D L E
UniRef90_UPI000203A00A H G V Q L L
UniRef90_UPI00032B0380 H A M A P I D
UniRef90_K7FT92 H T V V P I E
UniRef90_E6ZGB9 H R F R P I D
UniRef90_K1PLU8 H V F I Y L E
UniRef90_K1QWV4 H I V D D I
UniRef90_UPI0003C8FD98 H
UniRef90_W5K556 H N F C P V D
UniRef90_Q38B08 H S M E S V E S
UniRef90_F0ZFI9 H K C K D L D
UniRef90_UPI0003BD3C37 H E F V P L
UniRef90_UPI00042C19D4 H P V I P I E
UniRef90_UPI0004575FC3 H S F K P I
UniRef90_UPI00042BF696 H D V T T L D T
UniRef90_K1Q8U0 H V F T D L E
UniRef90_W5MRE9 H E F C P L E
UniRef90_UPI0003C48835 H T V I P
UniRef90_C3Y3Q8 H K H A D I K
UniRef90_K1Q876 H D I T D I
UniRef90_UPI00033329EB H E I S P L D T
UniRef90_UPI0003EBEA19 H S V V P L E
UniRef90_G1KP74 H V F C S I E
UniRef90_UPI00044440D8 H R V L P V E
UniRef90_H3FX59 H D I Q A L P T
UniRef90_W4X684 H T F K P L E
UniRef90_UPI0001DE6D8C H Q V E P L N
UniRef90_UPI0003F0C1CD H S V V D L Q
UniRef90_UPI0003D0C289 H S V V P L
UniRef90_K1QUM6 H E I S E L S
UniRef90_J9I6M4 H Q I V K M S
UniRef90_UPI0003F0C3D6 H Q V R P I E
UniRef90_T1FV68 H D I
UniRef90_UPI00044101B2 H R L C A L D
UniRef90_G3P1Q6 H D V V P L
UniRef90_H2V372 H E C I S L
UniRef90_M4AEX6 H D C S P V E
UniRef90_H0YQR0 H R T V P L
UniRef90_H3A5Q4 H T L L P I K
UniRef90_UPI0003D0E249 H N V A P M Q

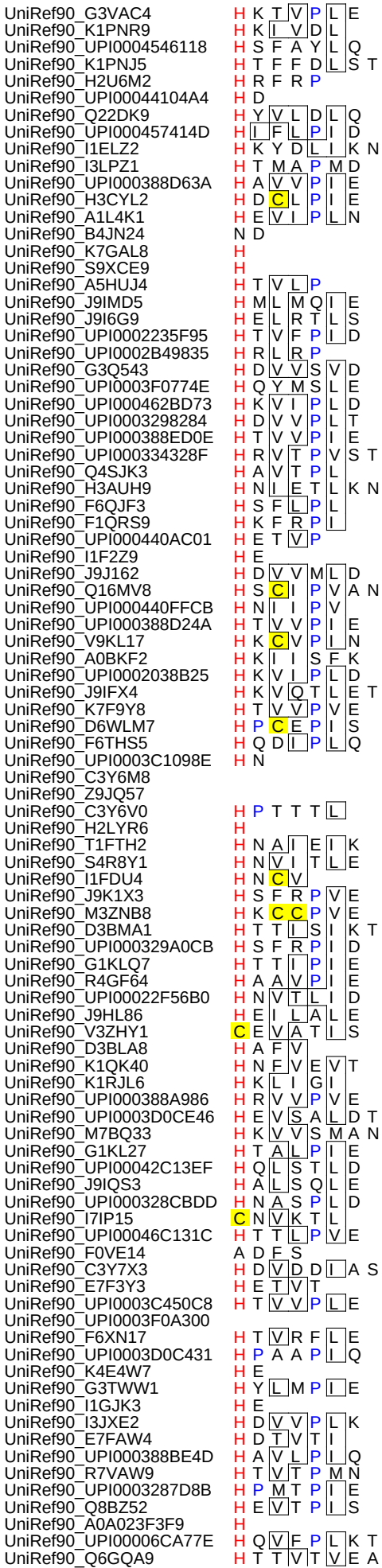

1
10
20
30
40
UniRef90_H2ZTA6
UniRef90_F6QKN2
UniRef90_C3YX29
UniRef90_V4BGR9
UniRef90_UPI000388A74C
UniRef90_UPI0004438D16
UniRef90_H0UZ81
UniRef90_J9F299
UniRef90_K1Q799
UniRef90_J9I331
UniRef90_UPI0003C8DBD5
UniRef90_K1RDN3
UniRef90_UPI0003F05F49
UniRef90_H9FF56
UniRef90_UPI0003347226
UniRef90_UPI00042C4CAE
UniRef90_J9IZ70
UniRef90_C3ZJ63
UniRef90_K1PXW7
UniRef90_K1QZV1
UniRef90_UPI00046BFCD8
UniRef90_L7MZQ5
UniRef90_V9IM50
UniRef90_UPI00035A1CCC
UniRef90_UPI00038333A6
UniRef90_W5L498
UniRef90_Q2TAS5
UniRef90_W5LES3
UniRef90_UPI0004625CA7
UniRef90_C3YHG3
UniRef90_UPI0001926355
UniRef90_UPI0004446DE9
UniRef90_G3TZ72
UniRef90_K1RD46
UniRef90_UPI0003C2ACCB
UniRef90_W5MP00
UniRef90_UPI0004574497
UniRef90_UPI0003EC32E7
UniRef90_K1QAJ2
UniRef90_Q5U3I5
UniRef90_R4GC13
UniRef90_UPI0003991AFA
UniRef90_UPI0003C4D943
UniRef90_UPI0003B6A75F
UniRef90_K7F454
UniRef90_W5N5Q8
UniRef90_G1KUV2
UniRef90_UPI0003337C8C
UniRef90_J9HU50
UniRef90_K7FF41
UniRef90_I7MHZ2
UniRef90_UPI00022F4CA1
UniRef90_C3ZB36
UniRef90_K7FMI7
UniRef90_R7VRV6
UniRef90_G3NHI6
UniRef90_T1J5V3
UniRef90_UPI0003C13DF7
UniRef90_UPI0003D0F454
UniRef90_U3IJR2
UniRef90_H2LAQ3
UniRef90_UPI00038C5BDE
UniRef90_K1REX6
UniRef90_UPI00032974ED
UniRef90_K1QGZ1
UniRef90_F1Q744
UniRef90_F6WFA1
UniRef90_C3YLA4
UniRef90_UPI0003835889
UniRef90_H3AYG0
UniRef90_K1QKG6
UniRef90_J9J3U7
UniRef90_UPI000333A93C
UniRef90_M3ZY22
UniRef90_UPI000444343C
UniRef90_K1PPD0
UniRef90_K7FDP2
UniRef90_UPI000388C259
UniRef90_UPI0003AF387E
UniRef90_A2EFX2
UniRef90_UPI0003C16E9E
UniRef90_UPI00038906C8
UniRef90_UPI00042BE262
UniRef90_K1PS86
UniRef90_UPI00042BD6BB
UniRef90_D2I4S2
UniRef90_UPI0003C46D4C
UniRef90_H3ALY7
UniRef90_UPI00045473DA
UniRef90_UPI0003890974
UniRef90_G3Q7Y7
UniRef90_UPI0003944302

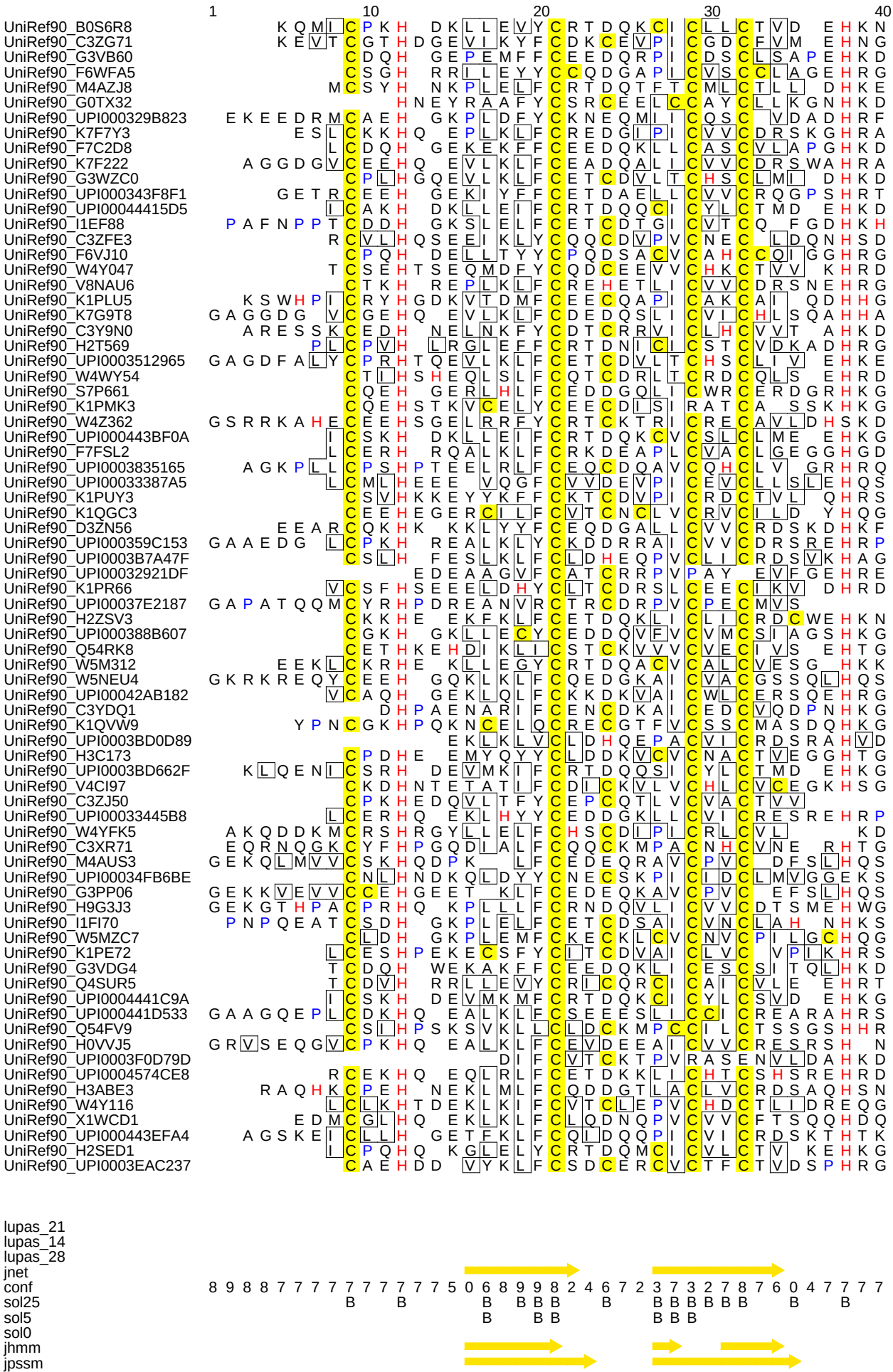

UniRef90_H2ZTA6 H K C C P I K
UniRef90_F6QKN2 H T I V P L D
UniRef90_C3YX29 H
UniRef90_V4BGR9 H E T L D I E S
UniRef90_UPI000388A74C H D V T T L D T
UniRef90_UPI0004438D16 H K C K P I D
UniRef90_H0UZ81 H E V T P L S
UniRef90_J9F299 H Q L I D L K
UniRef90_K1Q799 H T F E D L E T
UniRef90_J9I331 H E L T Q L E
UniRef90_UPI0003C8DBD5 H T V L P M E
UniRef90_K1RDN3 H K Q V E L
UniRef90_UPI0003F05F49 H T V I D I
UniRef90_H9FF56 H P V
UniRef90_UPI0003347226 H R V L P I Q
UniRef90_UPI00042C4CAE H S V V P M E
UniRef90_J9IZ70 H N L V Q I D
UniRef90_C3ZJ63 H N T I T L K
UniRef90_K1PXW7 H S F T D L E T
UniRef90_K1QZV1 H K
UniRef90_UPI00046BFCD8 H T V V L I E
UniRef90_L7MZQ5 H T V I P V E
UniRef90_V9IM50 H Q Y E R L
UniRef90_UPI00035A1CCC H R Y Q F I E
UniRef90_UPI00038333A6 H E V T T L D
UniRef90_W5L498 H K F L P L Q
UniRef90_Q2TAS5 H Q Y Q
UniRef90_W5LES3 H N Y Q F L E
UniRef90_UPI0004625CA7 H A V I P M
UniRef90_C3YHG3 H
UniRef90_UPI0001926355 H N Y M D L K
UniRef90_UPI0004446DE9 H R F I S I D
UniRef90_G3TZ72 H N V V P L K
UniRef90_K1RD46 H A F T D L E
UniRef90_UPI0003C2ACCB H T V V P I
UniRef90_W5MP00 H
UniRef90_UPI0004574497 H D I R I L K
UniRef90_UPI0003EC32E7 H R F R P I D
UniRef90_K1QAJ2 H K F
UniRef90_Q5U3I5 H R F R P I D
UniRef90_R4GC13 H T V I P L Q
UniRef90_UPI0003991AFA H L T V P I E
UniRef90_UPI0003C4D943 H D F L T V A N
UniRef90_UPI0003B6A75F H P T V P L K
UniRef90_K7F454 H T V V P I E
UniRef90_W5N5Q8 H R V I Q I A N
UniRef90_G1KUV2 H T V I P L Q
UniRef90_UPI0003337C8C H A V V L L D
UniRef90_J9HU50 H S L I D L K
UniRef90_K7FF41 H T V I P
UniRef90_I7MHZ2 H N V M P L K
UniRef90_UPI00022F4CA1 H R V L P V D
UniRef90_C3ZB36 H R T I S L K
UniRef90_K7FMI7 H S V V P
UniRef90_R7VRV6 H T V Y P I E
UniRef90_G3NHI6 H N Y Q F L E
UniRef90_T1J5V3 H D V Q A I
UniRef90_UPI0003C13DF7 H T I V T I E
UniRef90_UPI0003D0F454 H T V L P I Q
UniRef90_U3IJR2 H K I T P I S T
UniRef90_H2LAQ3 H R F K P I
UniRef90_UPI00038C5BDE H E V S A L D T
UniRef90_K1REX6 H K I S D
UniRef90_UPI00032974ED H R F R P I D
UniRef90_K1QGZ1 H E M A N I
UniRef90_F1Q744 H D T V T
UniRef90_F6WFA1 H R F R H L E
UniRef90_C3YLA4 H K
UniRef90_UPI0003835889 H S F K P V K
UniRef90_H3AYG0 H E L K P I K
UniRef90_K1QKG6 H E F D Q L D
UniRef90_J9J3U7 H E I H S I Q
UniRef90_UPI000333A93C H R
UniRef90_M3ZY22 H K A S Q L
UniRef90_UPI000444343C H T Y V Y L Q
UniRef90_K1PPD0 H D V S E L
UniRef90_K7FDP2 H T V Y P L E
UniRef90_UPI000388C259 H P V V P I E
UniRef90_UPI0003AF387E H R F R P I D
UniRef90_A2EFX2 H E L V P I K
UniRef90_UPI0003C16E9E H N V E T V
UniRef90_UPI00038906C8 H R V V P I
UniRef90_UPI00042BE262 H R V V P I Q
UniRef90_K1PS86 H T L N D L E T
UniRef90_UPI00042BD6BB H T V I P
UniRef90_D2I4S2 H T V R F L D A
UniRef90_UPI0003C46D4C H P V L P M E
UniRef90_H3ALY7 H R V S
UniRef90_UPI00045473DA H R V V S L
UniRef90_UPI0003890974 H R Y Q F I E
UniRef90_G3Q7Y7 H D V V P L E
UniRef90_UPI0003944302 H R

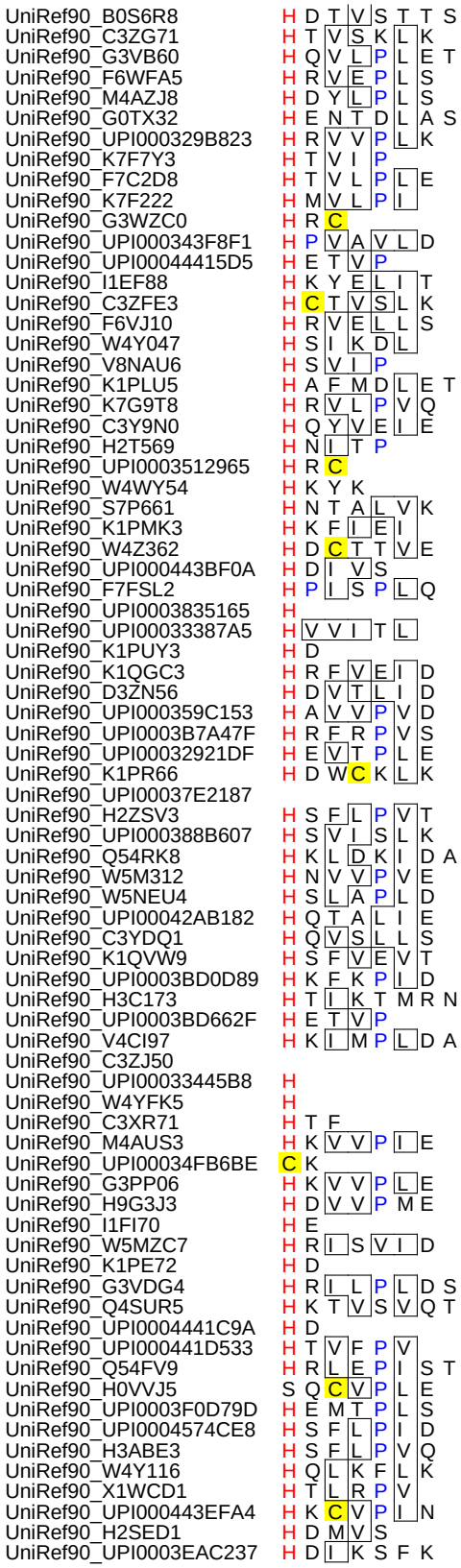

1
10
20
30
40
UniRef90_UPI00033434A9
UniRef90_W5KPJ9
UniRef90_I1F7T6
UniRef90_UPI0004448CDF
UniRef90_K1PK58
UniRef90_H2ZU09
UniRef90_C3ZG92
UniRef90_I7MG21
UniRef90_UPI0002A48D0F
UniRef90_C3YDR0
UniRef90_B4MWR5
UniRef90_UPI00021A56C0
UniRef90_W7XES6
UniRef90_UPI000350702E
UniRef90_UPI000441F548
UniRef90_UPI0001CBC142
UniRef90_K1PMB6
UniRef90_UPI00046C388F
UniRef90_J9IN98
UniRef90_K1Q9P1
UniRef90_W5LCH9
UniRef90_Q94481
UniRef90_J9IS72
UniRef90_UPI0003D0AA7E
UniRef90_H2UUJ8
UniRef90_UPI00022B7D34
UniRef90_K1PU24
UniRef90_I3KZ62
UniRef90_F7E7D8
UniRef90_I1FM52
UniRef90_Q17HK1
UniRef90_UPI0003336914
UniRef90_Q54GZ3
UniRef90_UPI00042BCA99
UniRef90_X1WFF3
UniRef90_G3PLW2
UniRef90_UPI00042BD160
UniRef90_Q63ZP0
UniRef90_H3AFC0
UniRef90_I3KYY1
UniRef90_M3ZEX7
UniRef90_UPI0002658F5F
UniRef90_UPI0002038CCA
UniRef90_J9IDV7
UniRef90_A0C6R9
UniRef90_UPI0003D0B37C
UniRef90_I1ERM4
UniRef90_Q4VQ07
UniRef90_G1Q9G5
UniRef90_UPI000441D124
UniRef90_UPI0004434C58
UniRef90_G1M761
UniRef90_H3B1P0
UniRef90_I1FNX3
UniRef90_UPI0003C91ED4
UniRef90_G3PWV4
UniRef90_UPI0003F0AD01
UniRef90_B3RJ53
UniRef90_H3B3P1
UniRef90_A0A058Z6C0
UniRef90_D2VCD0
UniRef90_UPI0003EAC47B
UniRef90_K1RGM9
UniRef90_Q923T7
UniRef90_I3J6R4
UniRef90_W5U984
UniRef90_I3K3P8
UniRef90_UPI0004433284
UniRef90_H2LGS5
UniRef90_UPI000388F2B7
UniRef90_UPI000388F7A5
UniRef90_UPI0003D0B18C
UniRef90_Q86I12
UniRef90_F4Q5R3
UniRef90_G3MFR8
UniRef90_C3YKL3
UniRef90_UPI0004444114C
UniRef90_H2ZTF0
UniRef90_F6QK00
UniRef90_UPI0003D0B891
UniRef90_F7ASN3
UniRef90_UPI000273A888
UniRef90_K1Q1S1
UniRef90_F6WC71
UniRef90_K7FP71
UniRef90_A0NH26
UniRef90_C3XXT3
UniRef90_UPI000388D773
UniRef90_Q54PB6
UniRef90_UPI00042BA52F
UniRef90_UPI000388F038
UniRef90_G3T9P1


UniRef90_UPI00033434A9 H Q Y Q F L E
UniRef90_W5KPJ9 H T V T Q L T
UniRef90_I1F7T6 H E C E L I S
UniRef90_UPI0004448CDF H E F A P L
UniRef90_K1PK58 H
UniRef90_H2ZU09 H E F L S I E
UniRef90_C3ZG92 H P T M S L
UniRef90_I7MG21 H T V I P L K A
UniRef90_UPI0002A48D0F H N C L P
UniRef90_C3YDR0 H P T V S L K
UniRef90_B4MWR5 H E V Q S I N
UniRef90_UPI00021A56C0 H E
UniRef90_W7XES6 H N I I P L K N
UniRef90_UPI000350702E H K I T P I S T
UniRef90_UPI000441F548 H L V L P I
UniRef90_UPI0001CBC142 H Q Y K Y L K N
UniRef90_K1PMB6 H T L T D L E T
UniRef90_UPI00046C388F H T V V P I
UniRef90_J9IN98 H E L A Q L E
UniRef90_K1Q9P1 H E L K
UniRef90_W5LCH9 H A C I S I
UniRef90_Q94481 H K T D S L E S
UniRef90_J9IS72 H D V
UniRef90_UPI0003D0AA7E H R V V P V E
UniRef90_H2UUJ8 H E C F P V S
UniRef90_UPI00022B7D34 H Q V R P I E
UniRef90_K1PU24 H K I M E I Q
UniRef90_I3KZ62 H R F R P I D
UniRef90_F7E7D8 H R V E P L S
UniRef90_I1FM52 H E Y D L I S
UniRef90_Q17HK1 H D L Q S I
UniRef90_UPI0003336914 H
UniRef90_Q54GZ3 H K T D P L E S
UniRef90_UPI00042BCA99 H R V V P
UniRef90_X1WFF3 H K F R P I S
UniRef90_G3PLW2 H K V K A L
UniRef90_UPI00042BD160 H T V F P V E
UniRef90_Q63ZP0 H Q V E S L N T
UniRef90_H3AFC0 H D L V S V Q N
UniRef90_I3KYY1 H L I I P L K T
UniRef90_M3ZEX7 H E I I T L
UniRef90_UPI0002658F5F H
UniRef90_UPI0002038CCA H S V V P V E
UniRef90_J9IDV7 H D L K Q L E
UniRef90_A0C6R9 H N V R N I D
UniRef90_UPI0003D0B37C H T V V P L E
UniRef90_I1ERM4 H E
UniRef90_Q4VQ07 H D V V P L K
UniRef90_G1Q9G5 H T A V L L E
UniRef90_UPI000441D124 H S V L P L E
UniRef90_UPI0004434C58 H R C R H L E
UniRef90_G1M761 H T M T P I D
UniRef90_H3B1P0 H K F K P V
UniRef90_I1FNX3 H K Y E L I T
UniRef90_UPI0003C91ED4 H D L S P V D
UniRef90_G3PWV4 H T V T P L A T
UniRef90_UPI0003F0AD01 H K H T L V E S
UniRef90_B3RJ53 H I I C D L Q
UniRef90_H3B3P1 H K F R P I N
UniRef90_A0A058Z6C0
UniRef90_D2VCD0 H L I E L I K
UniRef90_UPI0003EAC47B H T V I S L E
UniRef90_K1RGM9 H S T M D L S
UniRef90_Q923T7 H A V L P L E
UniRef90_I3J6R4 H E F V P L
UniRef90_W5U984 H S V V P
UniRef90_I3K3P8 H K F I P L
UniRef90_UPI0004433284 H R M L P I E
UniRef90_H2LGS5 H E V
UniRef90_UPI000388F2B7 H T V V P I E
UniRef90_UPI000388F7A5 H T V V P M E
UniRef90_UPI0003D0B18C H R V
UniRef90_Q86I12 H K V A D I K
UniRef90_F4Q5R3 H K I Q R L K
UniRef90_G3MFR8 H D V V P V
UniRef90_C3YKL3 H R T T T V N
UniRef90_UPI000444114C H A L T P V
UniRef90_H2ZTF0 H K C L P L K
UniRef90_F6QK00 H R V E L L S
UniRef90_UPI0003D0B891 H N I I T L K
UniRef90_F7ASN3 H Q V E L L N
UniRef90_UPI000273A888 H T F Q P I E
UniRef90_K1Q1S1 H K M K D I S T
UniRef90_F6WC71 H K V F P L E
UniRef90_K7FP71 H I V L P I E
UniRef90_A0NH26 H T F K A L Q
UniRef90_C3XXT3 H K
UniRef90_UPI000388D773 H T V I P I Q
UniRef90_Q54PB6 H I F S T M N
UniRef90_UPI00042BA52F H T V V P V E
UniRef90_UPI000388F038 H Q L I T L D
UniRef90_G3T9P1 H K


1
10
20
30
40
UniRef90_G3VAC4
UniRef90_K1PNR9
UniRef90_UPI0004546118
UniRef90_K1PNJ5
UniRef90_H2U6M2
UniRef90_UPI00044104A4
UniRef90_Q22DK9
UniRef90_UPI000457414D
UniRef90_I1ELZ2
UniRef90_I3LPZ1
UniRef90_UPI000388D63A
UniRef90_H3CYL2
UniRef90_A1L4K1
UniRef90_B4JN24
UniRef90_K7GAL8
UniRef90_S9XCE9
UniRef90_A5HUJ4
UniRef90_J9IMD5
UniRef90_J9I6G9
UniRef90_UPI0002235F95
UniRef90_UPI0002B49835
UniRef90_G3Q543
UniRef90_UPI0003F0774E
UniRef90_UPI000462BD73
UniRef90_UPI0003298284
UniRef90_UPI000388ED0E
UniRef90_UPI000334328F
UniRef90_Q4SJK3
UniRef90_H3AUH9
UniRef90_F6QJF3
UniRef90_F1QRS9
UniRef90_UPI000440AC01
UniRef90_I1F2Z9
UniRef90_J9J162
UniRef90_Q16MV8
UniRef90_UPI000440FFCB
UniRef90_UPI000388D24A
UniRef90_V9KL17
UniRef90_A0BKF2
UniRef90_UPI0002038B25
UniRef90_J9IFX4
UniRef90_K7F9Y8
UniRef90_D6WLM7
UniRef90_F6THS5
UniRef90_UPI0003C1098E
UniRef90_C3Y6M8
UniRef90_Z9JQ57
UniRef90_C3Y6V0
UniRef90_H2LYR6
UniRef90_T1FTH2
UniRef90_S4R8Y1
UniRef90_I1FDU4
UniRef90_J9K1X3
UniRef90_M3ZNB8
UniRef90_D3BMA1
UniRef90_UPI000329A0CB
UniRef90_G1KLQ7
UniRef90_R4GF64
UniRef90_UPI00022F56B0
UniRef90_J9HL86
UniRef90_V3ZHY1
UniRef90_D3BLA8
UniRef90_K1QK40
UniRef90_K1RJL6
UniRef90_UPI000388A986
UniRef90_UPI0003D0CE46
UniRef90_M7BQ33
UniRef90_G1KL27
UniRef90_UPI00042C13EF
UniRef90_J9IQS3
UniRef90_UPI000328CBDD
UniRef90_I7IP15
UniRef90_UPI00046C131C
UniRef90_F0VE14
UniRef90_C3Y7X3
UniRef90_E7F3Y3
UniRef90_UPI0003C450C8
UniRef90_UPI0003F0A300
UniRef90_F6XN17
UniRef90_UPI0003D0C431
UniRef90_K4E4W7
UniRef90_G3TWW1
UniRef90_I1GJK3
UniRef90_I3JXE2
UniRef90_E7FAW4
UniRef90_UPI000388BE4D
UniRef90_R7VAW9
UniRef90_UPI0003287D8B
UniRef90_Q8BZ52
UniRef90_A0A023F3F9
UniRef90_UPI00006CA77E
UniRef90_Q6GQA9


UniRef90_G3VAC4 H K T V P L E
UniRef90_K1PNR9 H K I V D L
UniRef90_UPI0004546118 H S F A Y L Q
UniRef90_K1PNJ5 H T F F D L S T
UniRef90_H2U6M2 H R F R P
UniRef90_UPI00044104A4 H D
UniRef90_Q22DK9 H Y V L D L Q
UniRef90_UPI000457414D H I F L P I D
UniRef90_I1ELZ2 H K Y D L I K N
UniRef90_I3LPZ1 H T M A P M D
UniRef90_UPI000388D63A H A V V P I E
UniRef90_H3CYL2 H D C L P I E
UniRef90_A1L4K1 H E V I P L N
UniRef90_B4JN24 N D
UniRef90_K7GAL8 H
UniRef90_S9XCE9 H
UniRef90_A5HUJ4 H T V L P
UniRef90_J9IMD5 H M L M Q I E
UniRef90_J9I6G9 H E L R T L S
UniRef90_UPI0002235F95 H T V F P I D
UniRef90_UPI0002B49835 H R L R P
UniRef90_G3Q543 H D V V S V D
UniRef90_UPI0003F0774E H Q Y M S L E
UniRef90_UPI000462BD73 H K V I P L D
UniRef90_UPI0003298284 H D V V P L T
UniRef90_UPI000388ED0E H T V V P I E
UniRef90_UPI000334328F H R V T P V S T
UniRef90_Q4SJK3 H A V T P L
UniRef90_H3AUH9 H N I E T L K N
UniRef90_F6QJF3 H S F L P L
UniRef90_F1QRS9 H K F R P I
UniRef90_UPI000440AC01 H E T V P
UniRef90_I1F2Z9 H E
UniRef90_J9J162 H D V V M L D
UniRef90_Q16MV8 H S C I P V A N
UniRef90_UPI000440FFCB H N I I P V
UniRef90_UPI000388D24A H T V V P I E
UniRef90_V9KL17 H K C V P I N
UniRef90_A0BKF2 H K I I S F K
UniRef90_UPI0002038B25 H K V I P L D
UniRef90_J9IFX4 H K V Q T L E T
UniRef90_K7F9Y8 H T V V P V E
UniRef90_D6WLM7 H P C E P I S
UniRef90_F6THS5 H Q D I P L Q
UniRef90_UPI0003C1098E H N
UniRef90_C3Y6M8
UniRef90_Z9JQ57
UniRef90_C3Y6V0 H P T T T L
UniRef90_H2LYR6 H
UniRef90_T1FTH2 H N A I E I K
UniRef90_S4R8Y1 H N V I T L E
UniRef90_I1FDU4 H N C V
UniRef90_J9K1X3 H S F R P V E
UniRef90_M3ZNB8 H K C C P V E
UniRef90_D3BMA1 H T T I S I K T
UniRef90_UPI000329A0CB H S F R P I D
UniRef90_G1KLQ7 H T T I P I E
UniRef90_R4GF64 H A A V P I E
UniRef90_UPI00022F56B0 H N V T L I D
UniRef90_J9HL86 H E I L A L E
UniRef90_V3ZHY1 C E V A T I S
UniRef90_D3BLA8 H A F V
UniRef90_K1QK40 H N F V E V T
UniRef90_K1RJL6 H K L I G I
UniRef90_UPI000388A986 H R V V P V E
UniRef90_UPI0003D0CE46 H E V S A L D T
UniRef90_M7BQ33 H K V V S M A N
UniRef90_G1KL27 H T A L P I E
UniRef90_UPI00042C13EF H Q L S T L D
UniRef90_J9IQS3 H A L S Q L E
UniRef90_UPI000328CBDD H N A S P L D
UniRef90_I7IP15 C N V K T L
UniRef90_UPI00046C131C H T T L P V E
UniRef90_F0VE14 A D F S
UniRef90_C3Y7X3 H D V D D I A S
UniRef90_E7F3Y3 H E T V T
UniRef90_UPI0003C450C8 H T V V P L E
UniRef90_UPI0003F0A300
UniRef90_F6XN17 H T V R F L E
UniRef90_UPI0003D0C431 H P A A P I Q
UniRef90_K4E4W7 H E
UniRef90_G3TWW1 H Y L M P I E
UniRef90_I1GJK3 H E
UniRef90_I3JXE2 H D V V P L K
UniRef90_E7FAW4 H D T V T I
UniRef90_UPI000388BE4D H A V L P I Q
UniRef90_R7VAW9 H T V T P M N
UniRef90_UPI0003287D8B H P M T P I E
UniRef90_Q8BZ52 H E V T P I S
UniRef90_A0A023F3F9 H
UniRef90_UPI00006CA77E H Q V F P L K T
UniRef90_Q6GQA9 H T T V T V E A


1
10
20
30
40
UniRef90_B0S6R8
UniRef90_C3ZG71
UniRef90_G3VB60
UniRef90_F6WFA5
UniRef90_M4AZJ8
UniRef90_G0TX32
UniRef90_UPI000329B823
UniRef90_K7F7Y3
UniRef90_F7C2D8
UniRef90_K7F222
UniRef90_G3WZC0
UniRef90_UPI000343F8F1
UniRef90_UPI00044415D5
UniRef90_I1EF88
UniRef90_C3ZFE3
UniRef90_F6VJ10
UniRef90_W4Y047
UniRef90_V8NAU6
UniRef90_K1PLU5
UniRef90_K7G9T8
UniRef90_C3Y9N0
UniRef90_H2T569
UniRef90_UPI0003512965
UniRef90_W4WY54
UniRef90_S7P661
UniRef90_K1PMK3
UniRef90_W4Z362
UniRef90_UPI000443BF0A
UniRef90_F7FSL2
UniRef90_UPI0003835165
UniRef90_UPI00033387A5
UniRef90_K1PUY3
UniRef90_K1QGC3
UniRef90_D3ZN56
UniRef90_UPI000359C153
UniRef90_UPI0003B7A47F
UniRef90_UPI00032921DF
UniRef90_K1PR66
UniRef90_UPI00037E2187
UniRef90_H2ZSV3
UniRef90_UPI000388B607
UniRef90_Q54RK8
UniRef90_W5M312
UniRef90_W5NEU4
UniRef90_UPI00042AB182
UniRef90_C3YDQ1
UniRef90_K1QVW9
UniRef90_UPI0003BD0D89
UniRef90_H3C173
UniRef90_UPI0003BD662F
UniRef90_V4CI97
UniRef90_C3ZJ50
UniRef90_UPI00033445B8
UniRef90_W4YFK5
UniRef90_C3XR71
UniRef90_M4AUS3
UniRef90_UPI00034FB6BE
UniRef90_G3PP06
UniRef90_H9G3J3
UniRef90_I1FI70
UniRef90_W5MZC7
UniRef90_K1PE72
UniRef90_G3VDG4
UniRef90_Q4SUR5
UniRef90_UPI0004441C9A
UniRef90_UPI000441D533
UniRef90_Q54FV9
UniRef90_H0VVJ5
UniRef90_UPI0003F0D79D
UniRef90_UPI0004574CE8
UniRef90_H3ABE3
UniRef90_W4Y116
UniRef90_X1WCD1
UniRef90_UPI000443EFA4
UniRef90_H2SED1
UniRef90_UPI0003EAC237
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm
8 9 8 8 7 7 7 7 7 7 7 7 7 5 0 6 8 9 9 8 2 4 6 7 2 3 7 3 3 2 7 8 7 6 0 4 7 7 7 7
B B B


UniRef90_B0S6R8 H D T V S T T S
UniRef90_C3ZG71 H T V S K L K
UniRef90_G3VB60 H Q V L P L E T
UniRef90_F6WFA5 H R V E P L S
UniRef90_M4AZJ8 H D Y L P L S
UniRef90_G0TX32 H E N T D L A S
UniRef90_UPI000329B823 H R V V P L K
UniRef90_K7F7Y3 H T V I P
UniRef90_F7C2D8 H T V L P L E
UniRef90_K7F222 H M V L P I
UniRef90_G3WZC0 H R C
UniRef90_UPI000343F8F1 H P V A V L D
UniRef90_UPI00044415D5 H E T V P
UniRef90_I1EF88 H K Y E L I T
UniRef90_C3ZFE3 H C T V S L K
UniRef90_F6VJ10 H R V E L L S
UniRef90_W4Y047 H S I K D L
UniRef90_V8NAU6 H S V I P
UniRef90_K1PLU5 H A F M D L E T
UniRef90_K7G9T8 H R V L P V Q
UniRef90_C3Y9N0 H Q Y V E I E
UniRef90_H2T569 H N I T P
UniRef90_UPI0003512965 H R C
UniRef90_W4WY54 H K Y K
UniRef90_S7P661 H N T A L V K
UniRef90_K1PMK3 H K F I E I
UniRef90_W4Z362 H D C T T V E
UniRef90_UPI000443BF0A H D I V S
UniRef90_F7FSL2 H P I S P L Q
UniRef90_UPI0003835165 H
UniRef90_UPI00033387A5 H V V I T L
UniRef90_K1PUY3 H D
UniRef90_K1QGC3 H R F V E I D
UniRef90_D3ZN56 H D V T L I D
UniRef90_UPI000359C153 H A V V P V D
UniRef90_UPI0003B7A47F H R F R P V S
UniRef90_UPI00032921DF H E V T P L E
UniRef90_K1PR66 H D W C K L K
UniRef90_UPI00037E2187
UniRef90_H2ZSV3 H S F L P V T
UniRef90_UPI000388B607 H S V I S L K
UniRef90_Q54RK8 H K L D K I D A
UniRef90_W5M312 H N V V P V E
UniRef90_W5NEU4 H S L A P L D
UniRef90_UPI00042AB182 H Q T A L I E
UniRef90_C3YDQ1 H Q V S L L S
UniRef90_K1QVW9 H S F V E V T
UniRef90_UPI0003BD0D89 H K F K P I D
UniRef90_H3C173 H T I K T M R N
UniRef90_UPI0003BD662F H E T V P
UniRef90_V4CI97 H K I M P L D A
UniRef90_C3ZJ50
UniRef90_UPI00033445B8 H
UniRef90_W4YFK5 H
UniRef90_C3XR71 H T F
UniRef90_M4AUS3 H K V V P I E
UniRef90_UPI00034FB6BE C K
UniRef90_G3PP06 H K V V P L E
UniRef90_H9G3J3 H D V V P M E
UniRef90_I1FI70 H E
UniRef90_W5MZC7 H R I S V I D
UniRef90_K1PE72 H D
UniRef90_G3VDG4 H R I L P L D S
UniRef90_Q4SUR5 H K T V S V Q T
UniRef90_UPI0004441C9A H D
UniRef90_UPI000441D533 H T V F P V
UniRef90_Q54FV9 H R L E P I S T
UniRef90_H0VVJ5 S Q C V P L E
UniRef90_UPI0003F0D79D H E M T P L S
UniRef90_UPI0004574CE8 H S F L P I D
UniRef90_H3ABE3 H S F L P V Q
UniRef90_W4Y116 H Q L K F L K
UniRef90_X1WCD1 H T L R P V
UniRef90_UPI000443EFA4 H K C V P I N
UniRef90_H2SED1 H D M V S
UniRef90_UPI0003EAC237 H D I K S F K
lupas_21
lupas_14
lupas_28
jnet
conf 4 1 6 5 1 6 8 9
sol25 B B B
sol5
sol0
jhmm
jpssm