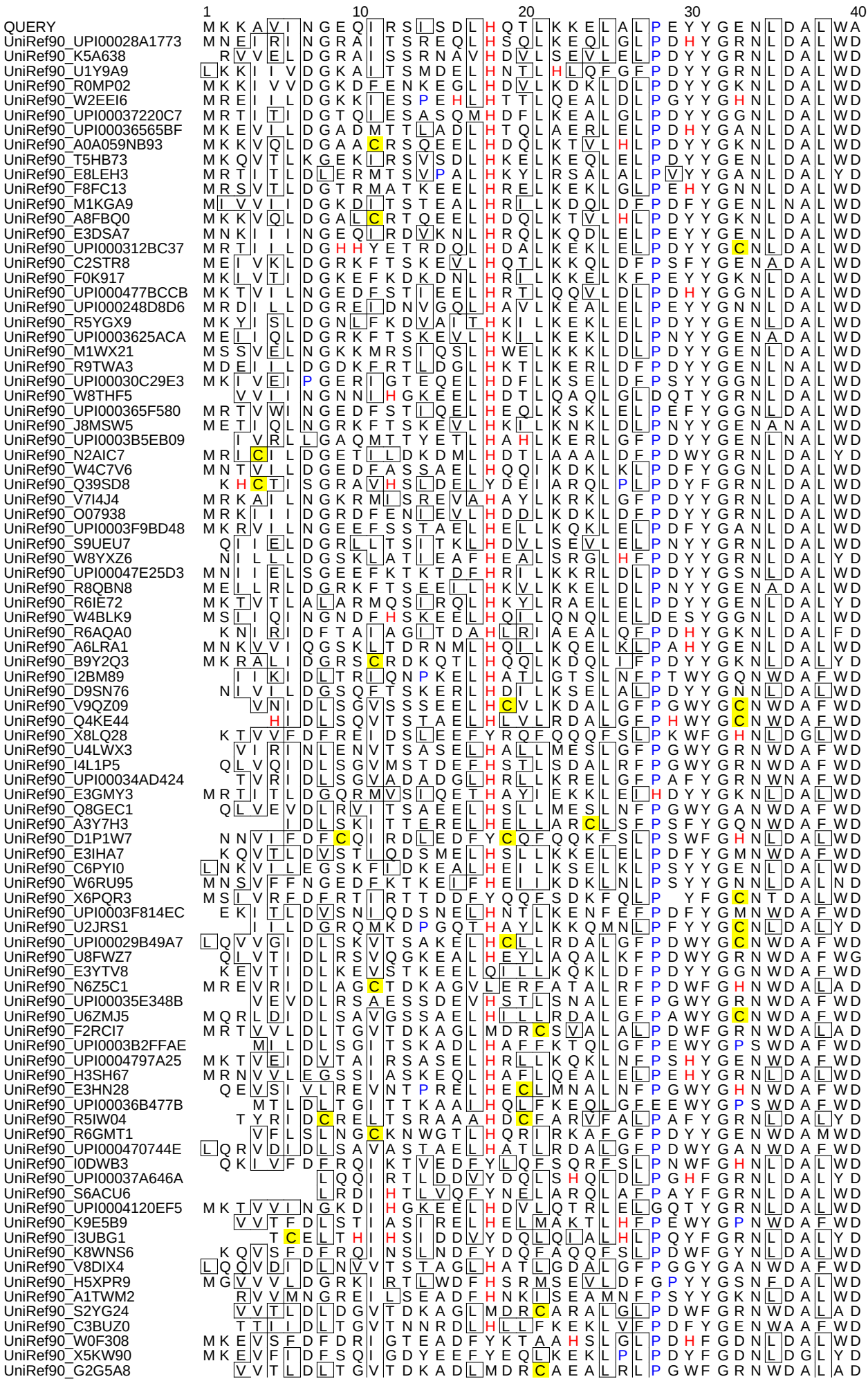
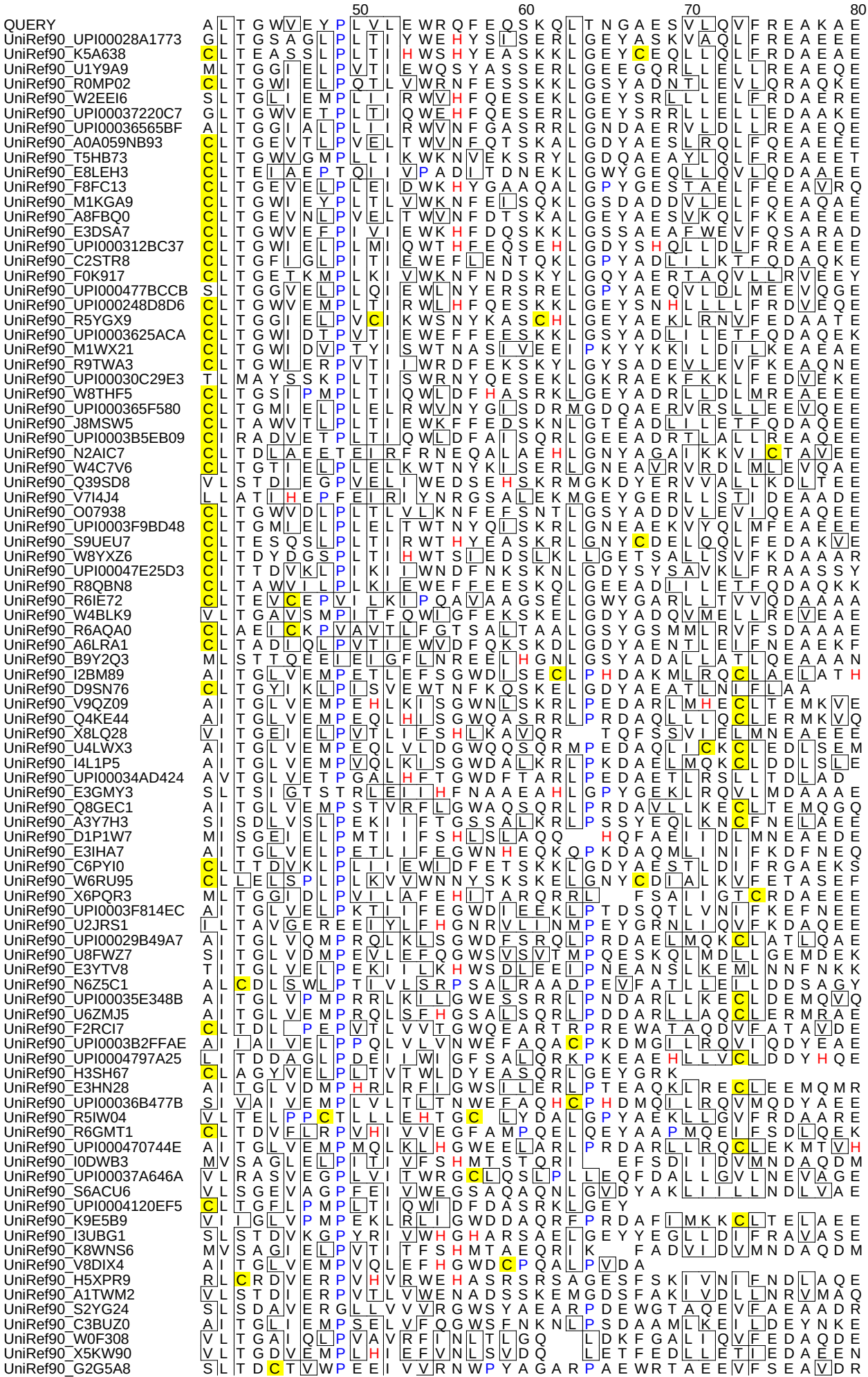
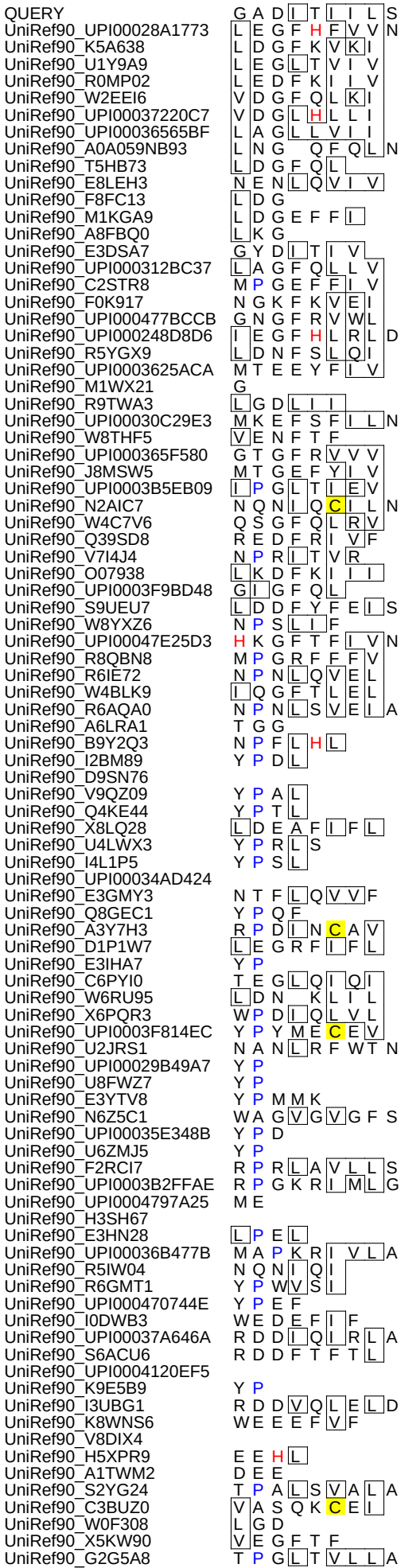
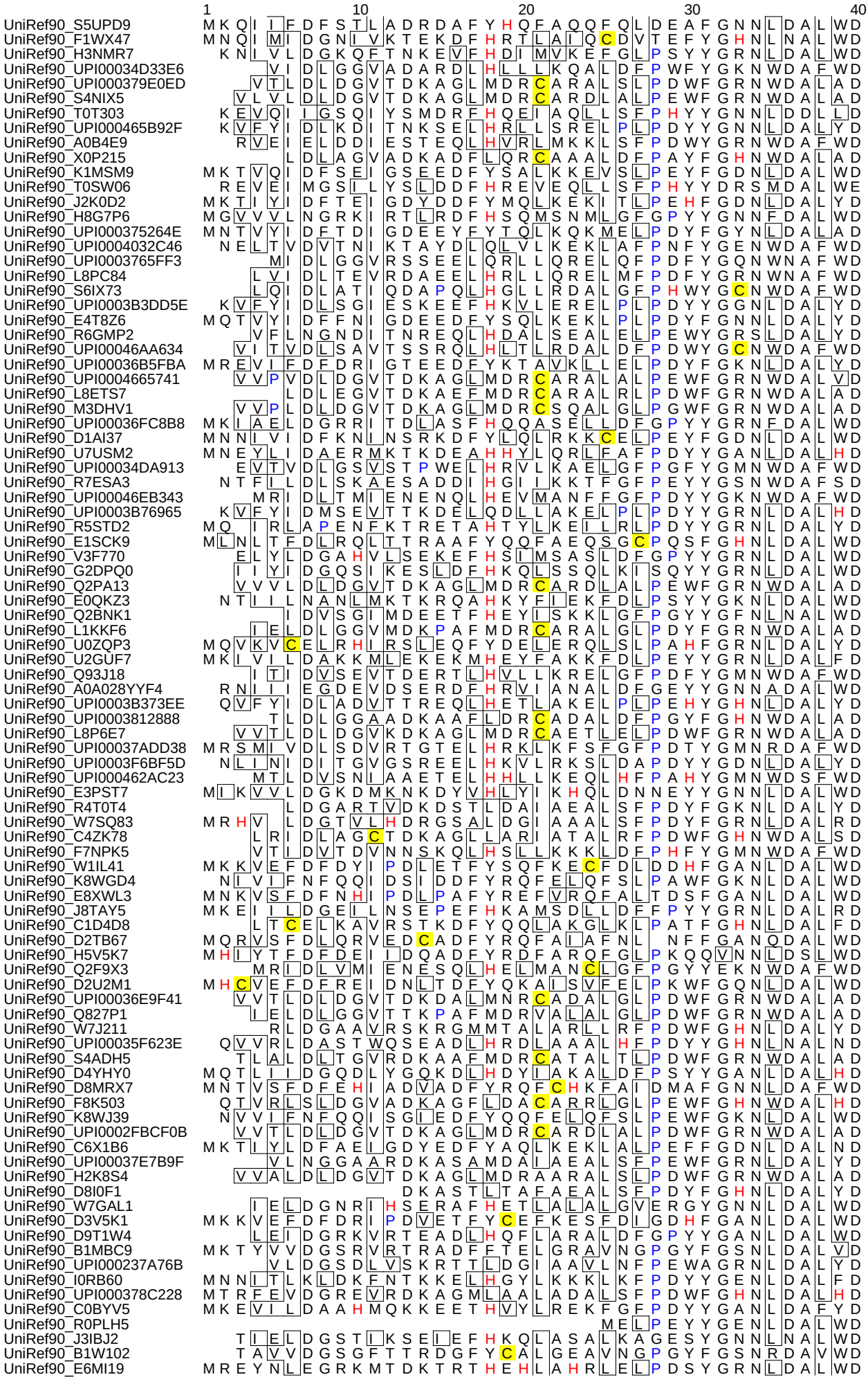
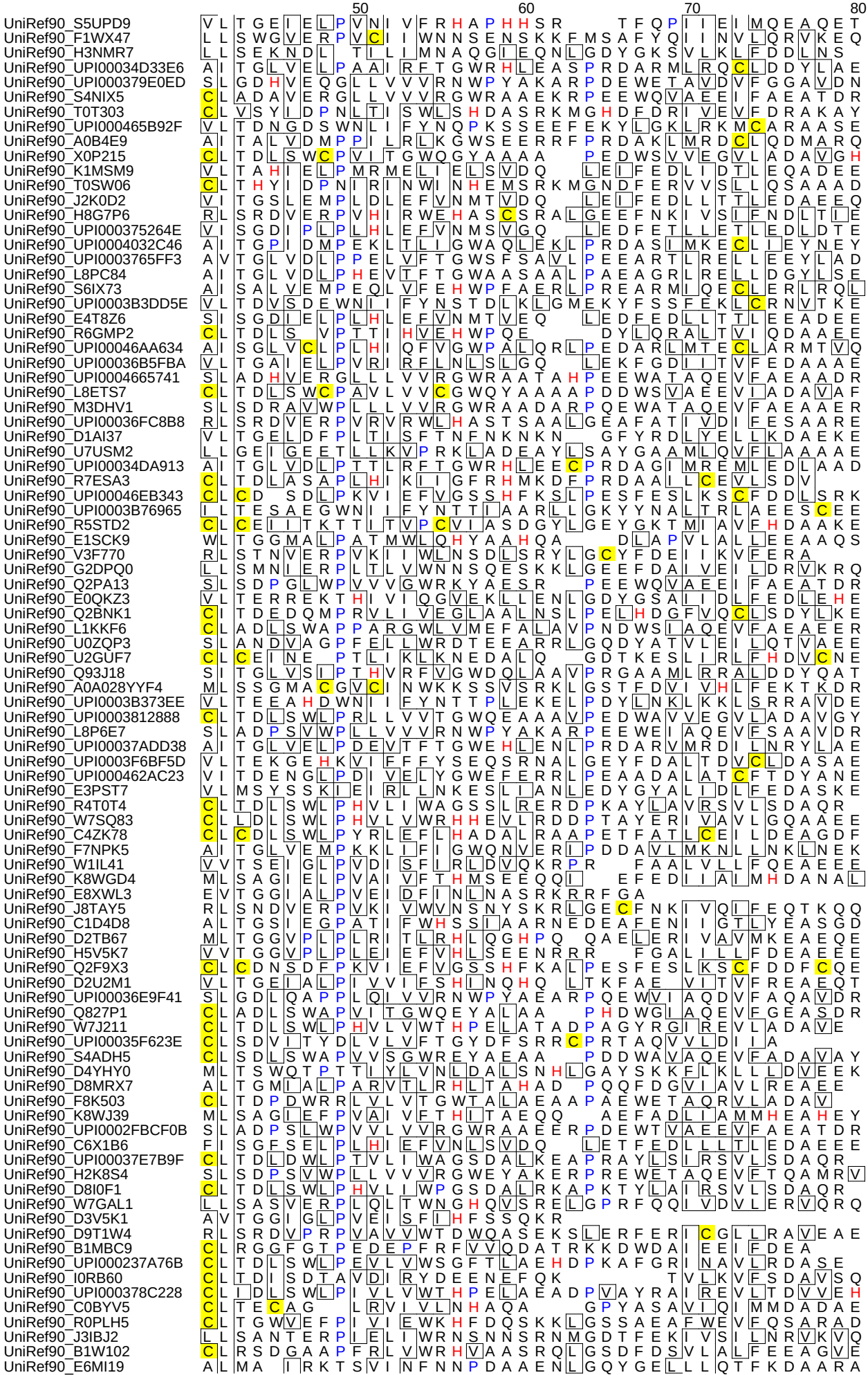
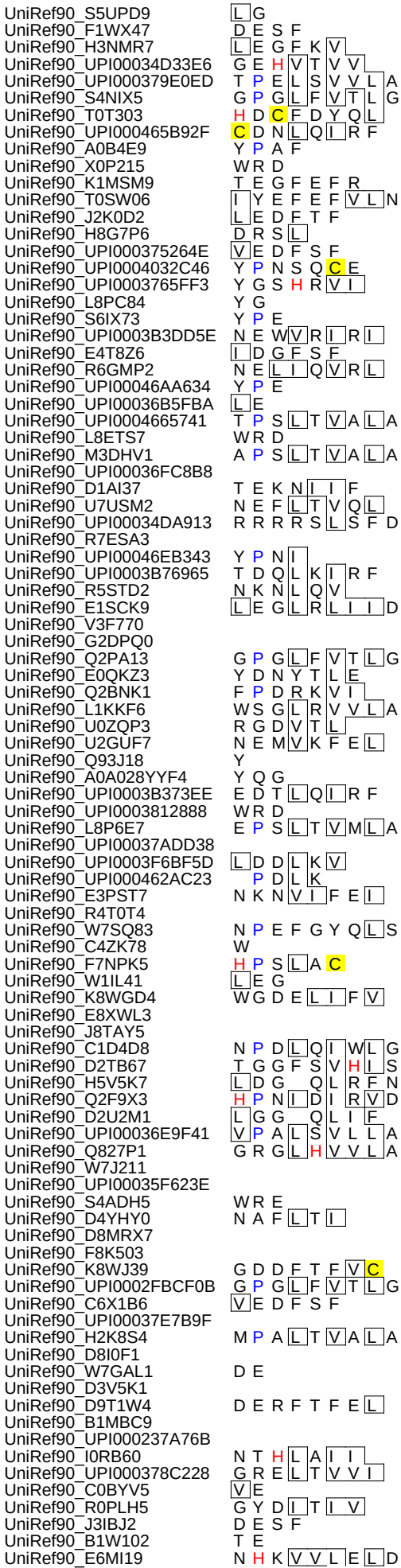

1
10
20
30
40
QUERY
UniRef90_UPI00028A1773
UniRef90_K5A638
UniRef90_U1Y9A9
UniRef90_R0MP02
UniRef90_W2EEI6
UniRef90_UPI00037220C7
UniRef90_UPI00036565BF
UniRef90_A0A059NB93
UniRef90_T5HB73
UniRef90_E8LEH3
UniRef90_F8FC13
UniRef90_M1KGA9
UniRef90_A8FBQ0
UniRef90_E3DSA7
UniRef90_UPI000312BC37
UniRef90_C2STR8
UniRef90_F0K917
UniRef90_UPI000477BCCB
UniRef90_UPI000248D8D6
UniRef90_R5YGX9
UniRef90_UPI0003625ACA
UniRef90_M1WX21
UniRef90_R9TWA3
UniRef90_UPI00030C29E3
UniRef90_W8THF5
UniRef90_UPI000365F580
UniRef90_J8MSW5
UniRef90_UPI0003B5EB09
UniRef90_N2AIC7
UniRef90_W4C7V6
UniRef90_Q39SD8
UniRef90_V7I4J4
UniRef90_O07938
UniRef90_UPI0003F9BD48
UniRef90_S9UEU7
UniRef90_W8YXZ6
UniRef90_UPI00047E25D3
UniRef90_R8QBN8
UniRef90_R6IE72
UniRef90_W4BLK9
UniRef90_R6AQA0
UniRef90_A6LRA1
UniRef90_B9Y2Q3
UniRef90_I2BM89
UniRef90_D9SN76
UniRef90_V9QZ09
UniRef90_Q4KE44
UniRef90_X8LQ28
UniRef90_U4LWX3
UniRef90_I4L1P5
UniRef90_UPI00034AD424
UniRef90_E3GMY3
UniRef90_Q8GEC1
UniRef90_A3Y7H3
UniRef90_D1P1W7
UniRef90_E3IHA7
UniRef90_C6PYI0
UniRef90_W6RU95
UniRef90_X6PQR3
UniRef90_UPI0003F814EC
UniRef90_U2JRS1
UniRef90_UPI00029B49A7
UniRef90_U8FWZ7
UniRef90_E3YTV8
UniRef90_N6Z5C1
UniRef90_UPI00035E348B
UniRef90_U6ZMJ5
UniRef90_F2RCI7
UniRef90_UPI0003B2FFAE
UniRef90_UPI0004797A25
UniRef90_H3SH67
UniRef90_E3HN28
UniRef90_UPI00036B477B
UniRef90_R5IW04
UniRef90_R6GMT1
UniRef90_UPI000470744E
UniRef90_I0DWB3
UniRef90_UPI00037A646A
UniRef90_S6ACU6
UniRef90_UPI0004120EF5
UniRef90_K9E5B9
UniRef90_I3UBG1
UniRef90_K8WNS6
UniRef90_V8DIX4
UniRef90_H5XPR9
UniRef90_A1TWM2
UniRef90_S2YG24
UniRef90_C3BUZ0
UniRef90_W0F308
UniRef90_X5KW90
UniRef90_G2G5A8

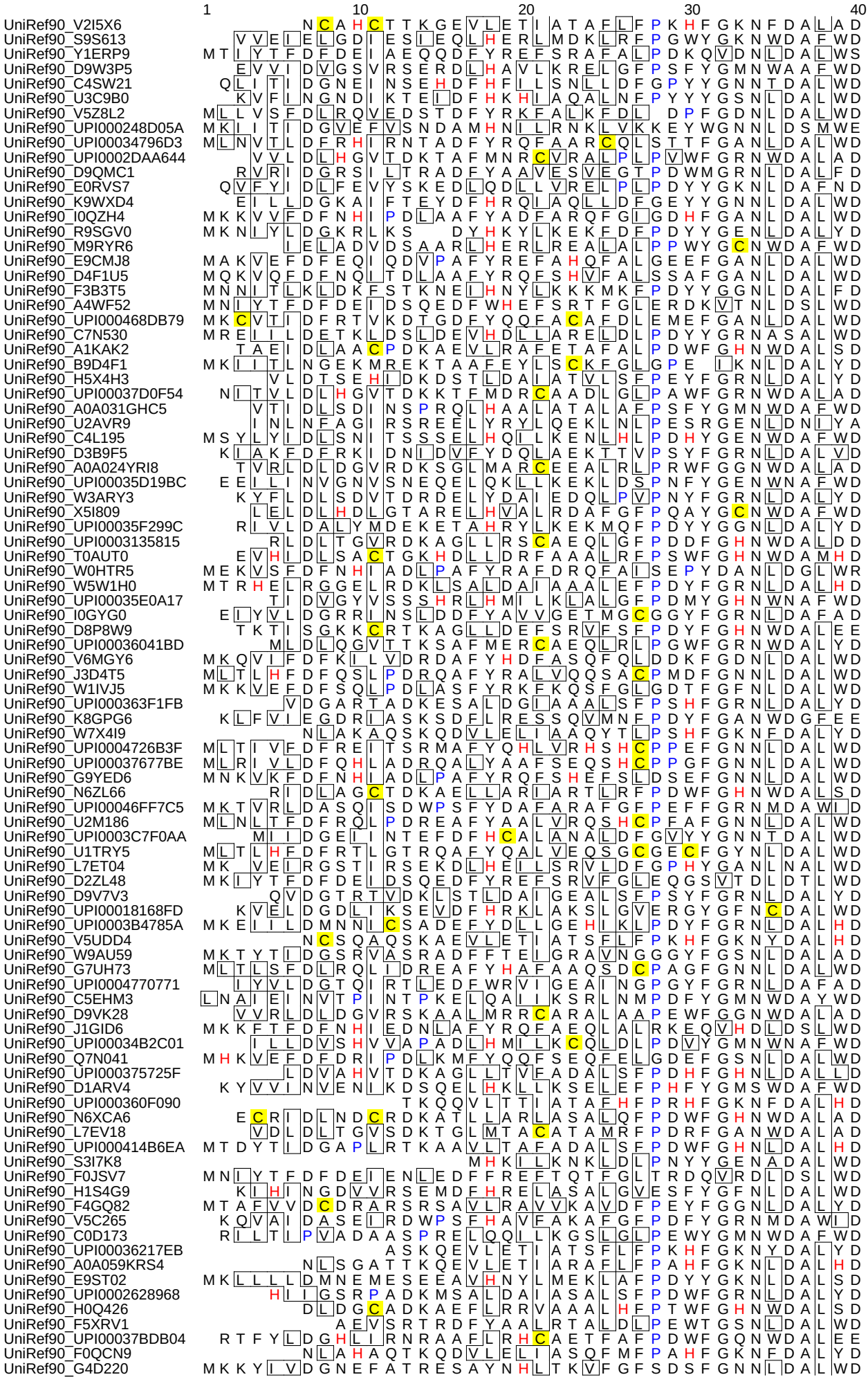

50
60
70
80
QUERY
UniRef90_UPI00028A1773
UniRef90_K5A638
UniRef90_U1Y9A9
UniRef90_R0MP02
UniRef90_W2EEI6
UniRef90_UPI00037220C7
UniRef90_UPI00036565BF
UniRef90_A0A059NB93
UniRef90_T5HB73
UniRef90_E8LEH3
UniRef90_F8FC13
UniRef90_M1KGA9
UniRef90_A8FBQ0
UniRef90_E3DSA7
UniRef90_UPI000312BC37
UniRef90_C2STR8
UniRef90_F0K917
UniRef90_UPI000477BCCB
UniRef90_UPI000248D8D6
UniRef90_R5YGX9
UniRef90_UPI0003625ACA
UniRef90_M1WX21
UniRef90_R9TWA3
UniRef90_UPI00030C29E3
UniRef90_W8THF5
UniRef90_UPI000365F580
UniRef90_J8MSW5
UniRef90_UPI0003B5EB09
UniRef90_N2AIC7
UniRef90_W4C7V6
UniRef90_Q39SD8
UniRef90_V7I4J4
UniRef90_O07938
UniRef90_UPI0003F9BD48
UniRef90_S9UEU7
UniRef90_W8YXZ6
UniRef90_UPI00047E25D3
UniRef90_R8QBN8
UniRef90_R6IE72
UniRef90_W4BLK9
UniRef90_R6AQA0
UniRef90_A6LRA1
UniRef90_B9Y2Q3
UniRef90_I2BM89
UniRef90_D9SN76
UniRef90_V9QZ09
UniRef90_Q4KE44
UniRef90_X8LQ28
UniRef90_U4LWX3
UniRef90_I4L1P5
UniRef90_UPI00034AD424
UniRef90_E3GMY3
UniRef90_Q8GEC1
UniRef90_A3Y7H3
UniRef90_D1P1W7
UniRef90_E3IHA7
UniRef90_C6PYI0
UniRef90_W6RU95
UniRef90_X6PQR3
UniRef90_UPI0003F814EC
UniRef90_U2JRS1
UniRef90_UPI00029B49A7
UniRef90_U8FWZ7
UniRef90_E3YTV8
UniRef90_N6Z5C1
UniRef90_UPI00035E348B
UniRef90_U6ZMJ5
UniRef90_F2RCI7
UniRef90_UPI0003B2FFAE
UniRef90_UPI0004797A25
UniRef90_H3SH67
UniRef90_E3HN28
UniRef90_UPI00036B477B
UniRef90_R5IW04
UniRef90_R6GMT1
UniRef90_UPI000470744E
UniRef90_I0DWB3
UniRef90_UPI00037A646A
UniRef90_S6ACU6
UniRef90_UPI0004120EF5
UniRef90_K9E5B9
UniRef90_I3UBG1
UniRef90_K8WNS6
UniRef90_V8DIX4
UniRef90_H5XPR9
UniRef90_A1TWM2
UniRef90_S2YG24
UniRef90_C3BUZ0
UniRef90_W0F308
UniRef90_X5KW90
UniRef90_G2G5A8

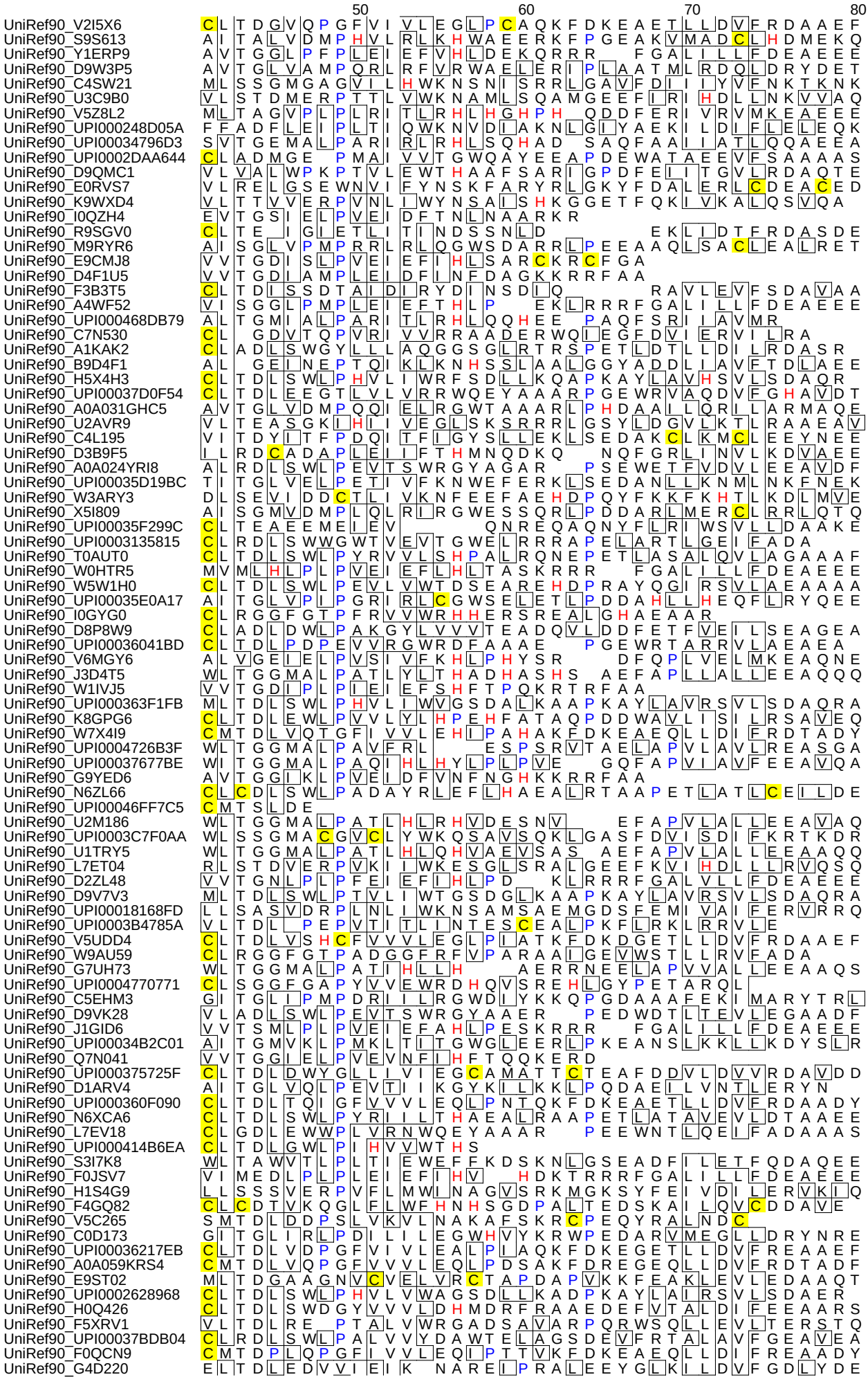

QUERY G A D I T I I L S
UniRef90_UPI00028A1773 L E G F H F V V N
UniRef90_K5A638 L D G F K V K I
UniRef90_U1Y9A9 L E G L T V I V
UniRef90_R0MP02 L E D F K I I V
UniRef90_W2EEI6 V D G F Q L K I
UniRef90_UPI00037220C7 V D G L H L L I
UniRef90_UPI00036565BF L A G L L V I I
UniRef90_A0A059NB93 L N G Q F Q L N
UniRef90_T5HB73 L D G F Q L
UniRef90_E8LEH3 N E N L Q V I V
UniRef90_F8FC13 L D G
UniRef90_M1KGA9 L D G E F F I
UniRef90_A8FBQ0 L K G
UniRef90_E3DSA7 G Y D I T I V
UniRef90_UPI000312BC37 L A G F Q L L V
UniRef90_C2STR8 M P G E F F I V
UniRef90_F0K917 N G K F K V E I
UniRef90_UPI000477BCCB G N G F R V W L
UniRef90_UPI000248D8D6 I E G F H L R L D
UniRef90_R5YGX9 L D N F S L Q I
UniRef90_UPI0003625ACA M T E E Y F I V
UniRef90_M1WX21 G
UniRef90_R9TWA3 L G D L I I
UniRef90_UPI00030C29E3 M K E F S F I L N
UniRef90_W8THF5 V E N F T F
UniRef90_UPI000365F580 G T G F R V V V
UniRef90_J8MSW5 M T G E F Y I V
UniRef90_UPI0003B5EB09 I P G L T I E V
UniRef90_N2AIC7 N Q N I Q C I L N
UniRef90_W4C7V6 Q S G F Q L R V
UniRef90_Q39SD8 R E D F R I V F
UniRef90_V7I4J4 N P R I T V R
UniRef90_O07938 L K D F K I I I
UniRef90_UPI0003F9BD48 G I G F Q L
UniRef90_S9UEU7 L D D F Y F E I S
UniRef90_W8YXZ6 N P S L I F
UniRef90_UPI00047E25D3 H K G F T F I V N
UniRef90_R8QBN8 M P G R F F F V
UniRef90_R6IE72 N P N L Q V E L
UniRef90_W4BLK9 I Q G F T L E L
UniRef90_R6AQA0 N P N L S V E I A
UniRef90_A6LRA1 T G G
UniRef90_B9Y2Q3 N P F L H L
UniRef90_I2BM89 Y P D L
UniRef90_D9SN76
UniRef90_V9QZ09 Y P A L
UniRef90_Q4KE44 Y P T L
UniRef90_X8LQ28 L D E A F I F L
UniRef90_U4LWX3 Y P R L S
UniRef90_I4L1P5 Y P S L
UniRef90_UPI00034AD424
UniRef90_E3GMY3 N T F L Q V V F
UniRef90_Q8GEC1 Y P Q F
UniRef90_A3Y7H3 R P D I N C A V
UniRef90_D1P1W7 L E G R F I F L
UniRef90_E3IHA7 Y P
UniRef90_C6PYI0 T E G L Q I Q I
UniRef90_W6RU95 L D N K L I L
UniRef90_X6PQR3 W P D I Q L V L
UniRef90_UPI0003F814EC Y P Y M E C E V
UniRef90_U2JRS1 N A N L R F W T N
UniRef90_UPI00029B49A7 Y P
UniRef90_U8FWZ7 Y P
UniRef90_E3YTV8 Y P M M K
UniRef90_N6Z5C1 W A G V G V G F S
UniRef90_UPI00035E348B Y P D
UniRef90_U6ZMJ5 Y P
UniRef90_F2RCI7 R P R L A V L L S
UniRef90_UPI0003B2FFAE R P G K R I M L G
UniRef90_UPI0004797A25 M E
UniRef90_H3SH67
UniRef90_E3HN28 L P E L
UniRef90_UPI00036B477B M A P K R I V L A
UniRef90_R5IW04 N Q N I Q I
UniRef90_R6GMT1 Y P W V S I
UniRef90_UPI000470744E Y P E F
UniRef90_I0DWB3 W E D E F I F
UniRef90_UPI00037A646A R D D I Q I R L A
UniRef90_S6ACU6 R D D F T F T L
UniRef90_UPI0004120EF5
UniRef90_K9E5B9 Y P
UniRef90_I3UBG1 R D D V Q L E L D
UniRef90_K8WNS6 W E E E F V F
UniRef90_V8DIX4
UniRef90_H5XPR9 E E H L
UniRef90_A1TWM2 D E E
UniRef90_S2YG24 T P A L S V A L A
UniRef90_C3BUZ0 V A S Q K C E I
UniRef90_W0F308 L G D
UniRef90_X5KW90 V E G F T F
UniRef90_G2G5A8 T P G L T V L L A

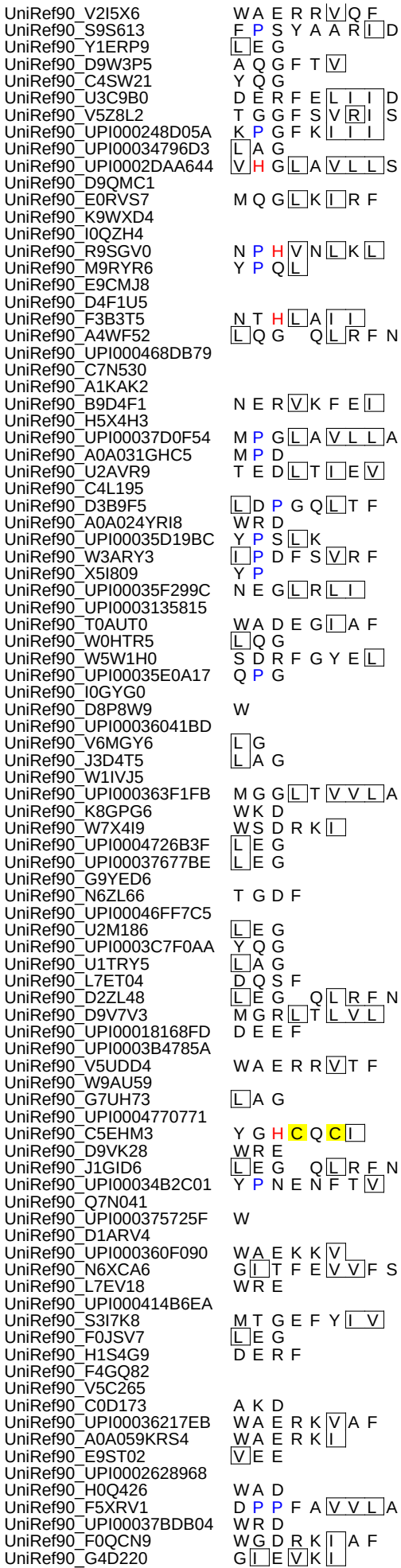

1
10
20
30
40
UniRef90_S5UPD9
UniRef90_F1WX47
UniRef90_H3NMR7
UniRef90_UPI00034D33E6
UniRef90_UPI000379E0ED
UniRef90_S4NIX5
UniRef90_T0T303
UniRef90_UPI000465B92F
UniRef90_A0B4E9
UniRef90_X0P215
UniRef90_K1MSM9
UniRef90_T0SW06
UniRef90_J2K0D2
UniRef90_H8G7P6
UniRef90_UPI000375264E
UniRef90_UPI0004032C46
UniRef90_UPI0003765FF3
UniRef90_L8PC84
UniRef90_S6IX73
UniRef90_UPI0003B3DD5E
UniRef90_E4T8Z6
UniRef90_R6GMP2
UniRef90_UPI00046AA634
UniRef90_UPI00036B5FBA
UniRef90_UPI0004665741
UniRef90_L8ETS7
UniRef90_M3DHV1
UniRef90_UPI00036FC8B8
UniRef90_D1AI37
UniRef90_U7USM2
UniRef90_UPI00034DA913
UniRef90_R7ESA3
UniRef90_UPI00046EB343
UniRef90_UPI0003B76965
UniRef90_R5STD2
UniRef90_E1SCK9
UniRef90_V3F770
UniRef90_G2DPQ0
UniRef90_Q2PA13
UniRef90_E0QKZ3
UniRef90_Q2BNK1
UniRef90_L1KKF6
UniRef90_U0ZQP3
UniRef90_U2GUF7
UniRef90_Q93J18
UniRef90_A0A028YYF4
UniRef90_UPI0003B373EE
UniRef90_UPI0003812888
UniRef90_L8P6E7
UniRef90_UPI00037ADD38
UniRef90_UPI0003F6BF5D
UniRef90_UPI000462AC23
UniRef90_E3PST7
UniRef90_R4T0T4
UniRef90_W7SQ83
UniRef90_C4ZK78
UniRef90_F7NPK5
UniRef90_W1IL41
UniRef90_K8WGD4
UniRef90_E8XWL3
UniRef90_J8TAY5
UniRef90_C1D4D8
UniRef90_D2TB67
UniRef90_H5V5K7
UniRef90_Q2F9X3
UniRef90_D2U2M1
UniRef90_UPI00036E9F41
UniRef90_Q827P1
UniRef90_W7J211
UniRef90_UPI00035F623E
UniRef90_S4ADH5
UniRef90_D4YHY0
UniRef90_D8MRX7
UniRef90_F8K503
UniRef90_K8WJ39
UniRef90_UPI0002FBCF0B
UniRef90_C6X1B6
UniRef90_UPI00037E7B9F
UniRef90_H2K8S4
UniRef90_D8I0F1
UniRef90_W7GAL1
UniRef90_D3V5K1
UniRef90_D9T1W4
UniRef90_B1MBC9
UniRef90_UPI000237A76B
UniRef90_I0RB60
UniRef90_UPI000378C228
UniRef90_C0BYV5
UniRef90_R0PLH5
UniRef90_J3IBJ2
UniRef90_B1W102
UniRef90_E6MI19

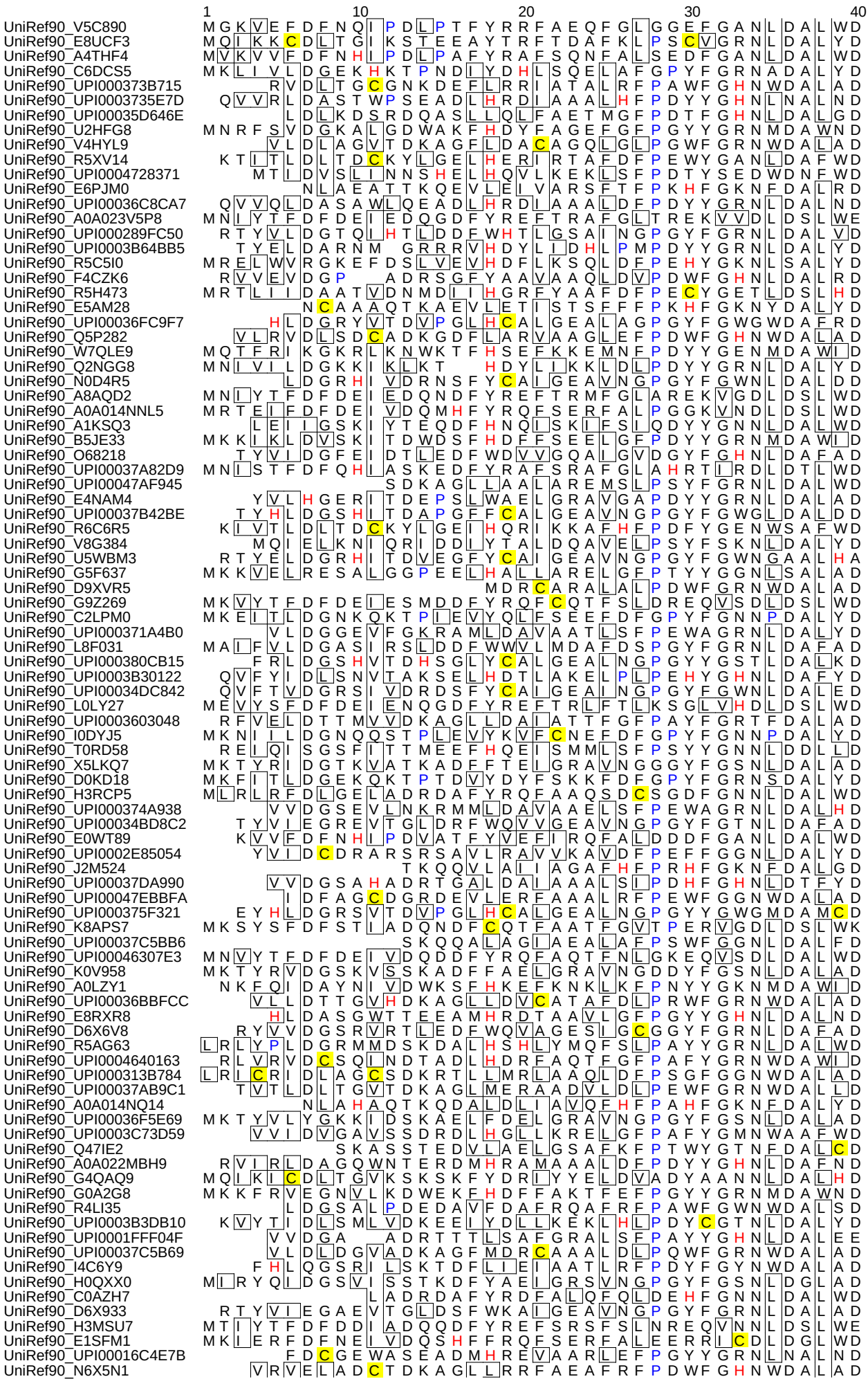

50
60
70
80
UniRef90_S5UPD9
UniRef90_F1WX47
UniRef90_H3NMR7
UniRef90_UPI00034D33E6
UniRef90_UPI000379E0ED
UniRef90_S4NIX5
UniRef90_T0T303
UniRef90_UPI000465B92F
UniRef90_A0B4E9
UniRef90_X0P215
UniRef90_K1MSM9
UniRef90_T0SW06
UniRef90_J2K0D2
UniRef90_H8G7P6
UniRef90_UPI000375264E
UniRef90_UPI0004032C46
UniRef90_UPI0003765FF3
UniRef90_L8PC84
UniRef90_S6IX73
UniRef90_UPI0003B3DD5E
UniRef90_E4T8Z6
UniRef90_R6GMP2
UniRef90_UPI00046AA634
UniRef90_UPI00036B5FBA
UniRef90_UPI0004665741
UniRef90_L8ETS7
UniRef90_M3DHV1
UniRef90_UPI00036FC8B8
UniRef90_D1AI37
UniRef90_U7USM2
UniRef90_UPI00034DA913
UniRef90_R7ESA3
UniRef90_UPI00046EB343
UniRef90_UPI0003B76965
UniRef90_R5STD2
UniRef90_E1SCK9
UniRef90_V3F770
UniRef90_G2DPQ0
UniRef90_Q2PA13
UniRef90_E0QKZ3
UniRef90_Q2BNK1
UniRef90_L1KKF6
UniRef90_U0ZQP3
UniRef90_U2GUF7
UniRef90_Q93J18
UniRef90_A0A028YYF4
UniRef90_UPI0003B373EE
UniRef90_UPI0003812888
UniRef90_L8P6E7
UniRef90_UPI00037ADD38
UniRef90_UPI0003F6BF5D
UniRef90_UPI000462AC23
UniRef90_E3PST7
UniRef90_R4T0T4
UniRef90_W7SQ83
UniRef90_C4ZK78
UniRef90_F7NPK5
UniRef90_W1IL41
UniRef90_K8WGD4
UniRef90_E8XWL3
UniRef90_J8TAY5
UniRef90_C1D4D8
UniRef90_D2TB67
UniRef90_H5V5K7
UniRef90_Q2F9X3
UniRef90_D2U2M1
UniRef90_UPI00036E9F41
UniRef90_Q827P1
UniRef90_W7J211
UniRef90_UPI00035F623E
UniRef90_S4ADH5
UniRef90_D4YHY0
UniRef90_D8MRX7
UniRef90_F8K503
UniRef90_K8WJ39
UniRef90_UPI0002FBCF0B
UniRef90_C6X1B6
UniRef90_UPI00037E7B9F
UniRef90_H2K8S4
UniRef90_D8I0F1
UniRef90_W7GAL1
UniRef90_D3V5K1
UniRef90_D9T1W4
UniRef90_B1MBC9
UniRef90_UPI000237A76B
UniRef90_I0RB60
UniRef90_UPI000378C228
UniRef90_C0BYV5
UniRef90_R0PLH5
UniRef90_J3IBJ2
UniRef90_B1W102
UniRef90_E6MI19

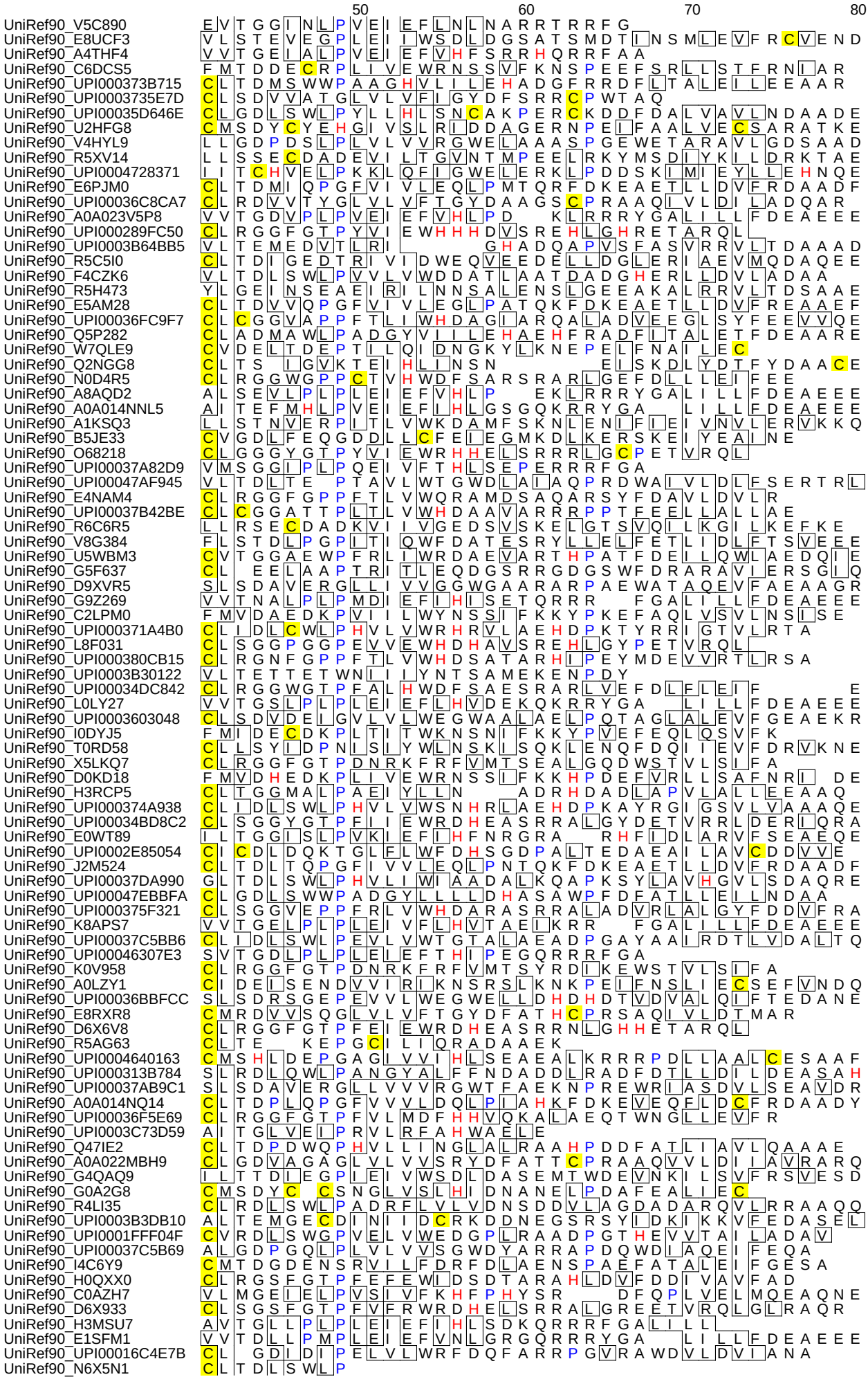

UniRef90_S5UPD9 L G
UniRef90_F1WX47 D E S F
UniRef90_H3NMR7 L E G F K V
UniRef90_UPI00034D33E6 G E H V T V V
UniRef90_UPI000379E0ED T P E L S V V L A
UniRef90_S4NIX5 G P G L F V T L G
UniRef90_T0T303 H D C F D Y Q L
UniRef90_UPI000465B92F C D N L Q I R F
UniRef90_A0B4E9 Y P A F
UniRef90_X0P215 W R D
UniRef90_K1MSM9 T E G F E F R
UniRef90_T0SW06 I Y E F E F V L N
UniRef90_J2K0D2 L E D F T F
UniRef90_H8G7P6 D R S L
UniRef90_UPI000375264E V E D F S F
UniRef90_UPI0004032C46 Y P N S Q C E
UniRef90_UPI0003765FF3 Y G S H R V I
UniRef90_L8PC84 Y G
UniRef90_S6IX73 Y P E
UniRef90_UPI0003B3DD5E N E W V R I R I
UniRef90_E4T8Z6 I D G F S F
UniRef90_R6GMP2 N E L I Q V R L
UniRef90_UPI00046AA634 Y P E
UniRef90_UPI00036B5FBA L E
UniRef90_UPI0004665741 T P S L T V A L A
UniRef90_L8ETS7 W R D
UniRef90_M3DHV1 A P S L T V A L A
UniRef90_UPI00036FC8B8
UniRef90_D1AI37 T E K N I I F
UniRef90_U7USM2 N E F L T V Q L
UniRef90_UPI00034DA913 R R R R S L S F D
UniRef90_R7ESA3
UniRef90_UPI00046EB343 Y P N I
UniRef90_UPI0003B76965 T D Q L K I R F
UniRef90_R5STD2 N K N L Q V
UniRef90_E1SCK9 L E G L R L I I D
UniRef90_V3F770
UniRef90_G2DPQ0
UniRef90_Q2PA13 G P G L F V T L G
UniRef90_E0QKZ3 Y D N Y T L E
UniRef90_Q2BNK1 F P D R K V I
UniRef90_L1KKF6 W S G L R V V L A
UniRef90_U0ZQP3 R G D V T L
UniRef90_U2GUF7 N E M V K F E L
UniRef90_Q93J18 Y
UniRef90_A0A028YYF4 Y Q G
UniRef90_UPI0003B373EE E D T L Q I R F
UniRef90_UPI0003812888 W R D
UniRef90_L8P6E7 E P S L T V M L A
UniRef90_UPI00037ADD38
UniRef90_UPI0003F6BF5D L D D L K V
UniRef90_UPI000462AC23 P D L K
UniRef90_E3PST7 N K N V I F E I
UniRef90_R4T0T4
UniRef90_W7SQ83 N P E F G Y Q L S
UniRef90_C4ZK78 W
UniRef90_F7NPK5 H P S L A C
UniRef90_W1IL41 L E G
UniRef90_K8WGD4 W G D E L I F V
UniRef90_E8XWL3
UniRef90_J8TAY5
UniRef90_C1D4D8 N P D L Q I W L G
UniRef90_D2TB67 T G G F S V H I S
UniRef90_H5V5K7 L D G Q L R F N
UniRef90_Q2F9X3 H P N I D I R V D
UniRef90_D2U2M1 L G G Q L I F
UniRef90_UPI00036E9F41 V P A L S V L L A
UniRef90_Q827P1 G R G L H V V L A
UniRef90_W7J211
UniRef90_UPI00035F623E
UniRef90_S4ADH5 W R E
UniRef90_D4YHY0 N A F L T I
UniRef90_D8MRX7
UniRef90_F8K503
UniRef90_K8WJ39 G D D F T F V C
UniRef90_UPI0002FBCF0B G P G L F V T L G
UniRef90_C6X1B6 V E D F S F
UniRef90_UPI00037E7B9F
UniRef90_H2K8S4 M P A L T V A L A
UniRef90_D8I0F1
UniRef90_W7GAL1 D E
UniRef90_D3V5K1
UniRef90_D9T1W4 D E R F T F E L
UniRef90_B1MBC9
UniRef90_UPI000237A76B
UniRef90_I0RB60 N T H L A I I
UniRef90_UPI000378C228 G R E L T V V I
UniRef90_C0BYV5 V E
UniRef90_R0PLH5 G Y D I T I V
UniRef90_J3IBJ2 D E S F
UniRef90_B1W102 T E
UniRef90_E6MI19 N H K V V L E L D

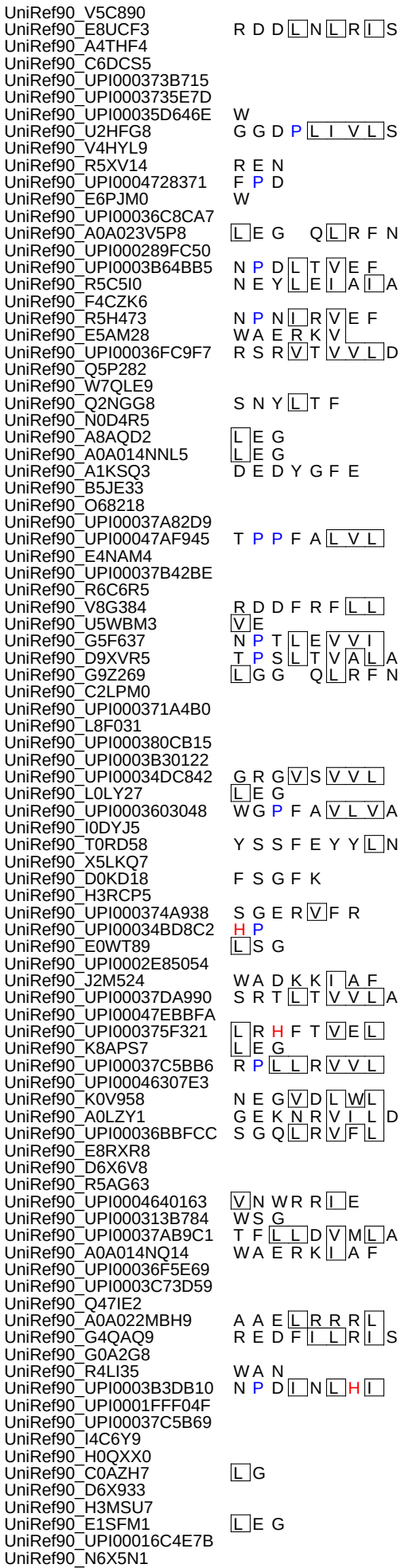

1
10
20
30
40
UniRef90_V2I5X6
UniRef90_S9S613
UniRef90_Y1ERP9
UniRef90_D9W3P5
UniRef90_C4SW21
UniRef90_U3C9B0
UniRef90_V5Z8L2
UniRef90_UPI000248D05A
UniRef90_UPI00034796D3
UniRef90_UPI0002DAA644
UniRef90_D9QMC1
UniRef90_E0RVS7
UniRef90_K9WXD4
UniRef90_I0QZH4
UniRef90_R9SGV0
UniRef90_M9RYR6
UniRef90_E9CMJ8
UniRef90_D4F1U5
UniRef90_F3B3T5
UniRef90_A4WF52
UniRef90_UPI000468DB79
UniRef90_C7N530
UniRef90_A1KAK2
UniRef90_B9D4F1
UniRef90_H5X4H3
UniRef90_UPI00037D0F54
UniRef90_A0A031GHC5
UniRef90_U2AVR9
UniRef90_C4L195
UniRef90_D3B9F5
UniRef90_A0A024YRI8
UniRef90_UPI00035D19BC
UniRef90_W3ARY3
UniRef90_X5I809
UniRef90_UPI00035F299C
UniRef90_UPI0003135815
UniRef90_T0AUT0
UniRef90_W0HTR5
UniRef90_W5W1H0
UniRef90_UPI00035E0A17
UniRef90_I0GYG0
UniRef90_D8P8W9
UniRef90_UPI00036041BD
UniRef90_V6MGY6
UniRef90_J3D4T5
UniRef90_W1IVJ5
UniRef90_UPI000363F1FB
UniRef90_K8GPG6
UniRef90_W7X4I9
UniRef90_UPI0004726B3F
UniRef90_UPI00037677BE
UniRef90_G9YED6
UniRef90_N6ZL66
UniRef90_UPI00046FF7C5
UniRef90_U2M186
UniRef90_UPI0003C7F0AA
UniRef90_U1TRY5
UniRef90_L7ET04
UniRef90_D2ZL48
UniRef90_D9V7V3
UniRef90_UPI00018168FD
UniRef90_UPI0003B4785A
UniRef90_V5UDD4
UniRef90_W9AU59
UniRef90_G7UH73
UniRef90_UPI0004770771
UniRef90_C5EHM3
UniRef90_D9VK28
UniRef90_J1GID6
UniRef90_UPI00034B2C01
UniRef90_Q7N041
UniRef90_UPI000375725F
UniRef90_D1ARV4
UniRef90_UPI000360F090
UniRef90_N6XCA6
UniRef90_L7EV18
UniRef90_UPI000414B6EA
UniRef90_S3I7K8
UniRef90_F0JSV7
UniRef90_H1S4G9
UniRef90_F4GQ82
UniRef90_V5C265
UniRef90_C0D173
UniRef90_UPI00036217EB
UniRef90_A0A059KRS4
UniRef90_E9ST02
UniRef90_UPI0002628968
UniRef90_H0Q426
UniRef90_F5XRV1
UniRef90_UPI00037BDB04
UniRef90_F0QCN9
UniRef90_G4D220

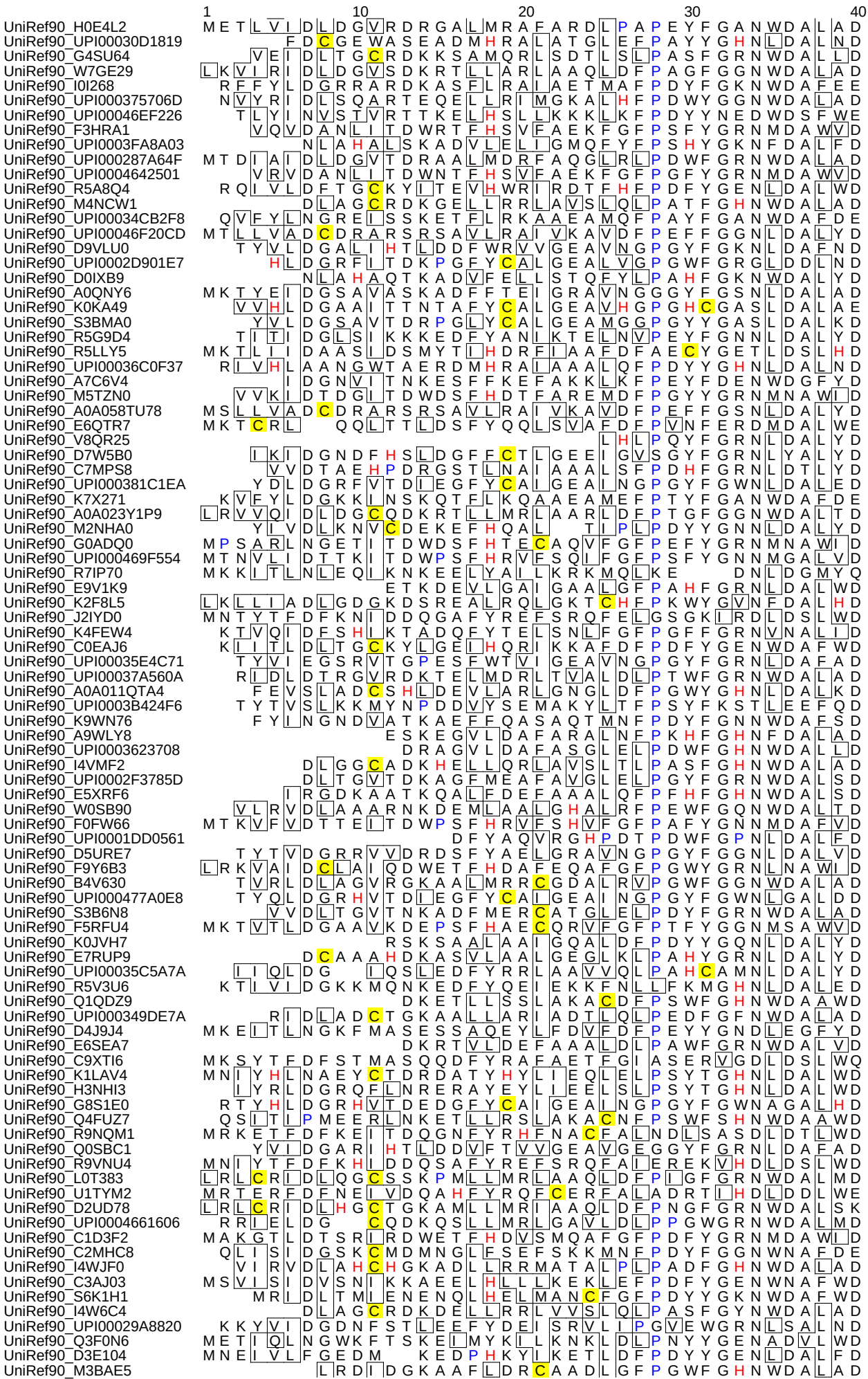

50
60
70
80
UniRef90_V2I5X6
UniRef90_S9S613
UniRef90_Y1ERP9
UniRef90_D9W3P5
UniRef90_C4SW21
UniRef90_U3C9B0
UniRef90_V5Z8L2
UniRef90_UPI000248D05A
UniRef90_UPI00034796D3
UniRef90_UPI0002DAA644
UniRef90_D9QMC1
UniRef90_E0RVS7
UniRef90_K9WXD4
UniRef90_I0QZH4
UniRef90_R9SGV0
UniRef90_M9RYR6
UniRef90_E9CMJ8
UniRef90_D4F1U5
UniRef90_F3B3T5
UniRef90_A4WF52
UniRef90_UPI000468DB79
UniRef90_C7N530
UniRef90_A1KAK2
UniRef90_B9D4F1
UniRef90_H5X4H3
UniRef90_UPI00037D0F54
UniRef90_A0A031GHC5
UniRef90_U2AVR9
UniRef90_C4L195
UniRef90_D3B9F5
UniRef90_A0A024YRI8
UniRef90_UPI00035D19BC
UniRef90_W3ARY3
UniRef90_X5I809
UniRef90_UPI00035F299C
UniRef90_UPI0003135815
UniRef90_T0AUT0
UniRef90_W0HTR5
UniRef90_W5W1H0
UniRef90_UPI00035E0A17
UniRef90_I0GYG0
UniRef90_D8P8W9
UniRef90_UPI00036041BD
UniRef90_V6MGY6
UniRef90_J3D4T5
UniRef90_W1IVJ5
UniRef90_UPI000363F1FB
UniRef90_K8GPG6
UniRef90_W7X4I9
UniRef90_UPI0004726B3F
UniRef90_UPI00037677BE
UniRef90_G9YED6
UniRef90_N6ZL66
UniRef90_UPI00046FF7C5
UniRef90_U2M186
UniRef90_UPI0003C7F0AA
UniRef90_U1TRY5
UniRef90_L7ET04
UniRef90_D2ZL48
UniRef90_D9V7V3
UniRef90_UPI00018168FD
UniRef90_UPI0003B4785A
UniRef90_V5UDD4
UniRef90_W9AU59
UniRef90_G7UH73
UniRef90_UPI0004770771
UniRef90_C5EHM3
UniRef90_D9VK28
UniRef90_J1GID6
UniRef90_UPI00034B2C01
UniRef90_Q7N041
UniRef90_UPI000375725F
UniRef90_D1ARV4
UniRef90_UPI000360F090
UniRef90_N6XCA6
UniRef90_L7EV18
UniRef90_UPI000414B6EA
UniRef90_S3I7K8
UniRef90_F0JSV7
UniRef90_H1S4G9
UniRef90_F4GQ82
UniRef90_V5C265
UniRef90_C0D173
UniRef90_UPI00036217EB
UniRef90_A0A059KRS4
UniRef90_E9ST02
UniRef90_UPI0002628968
UniRef90_H0Q426
UniRef90_F5XRV1
UniRef90_UPI00037BDB04
UniRef90_F0QCN9
UniRef90_G4D220

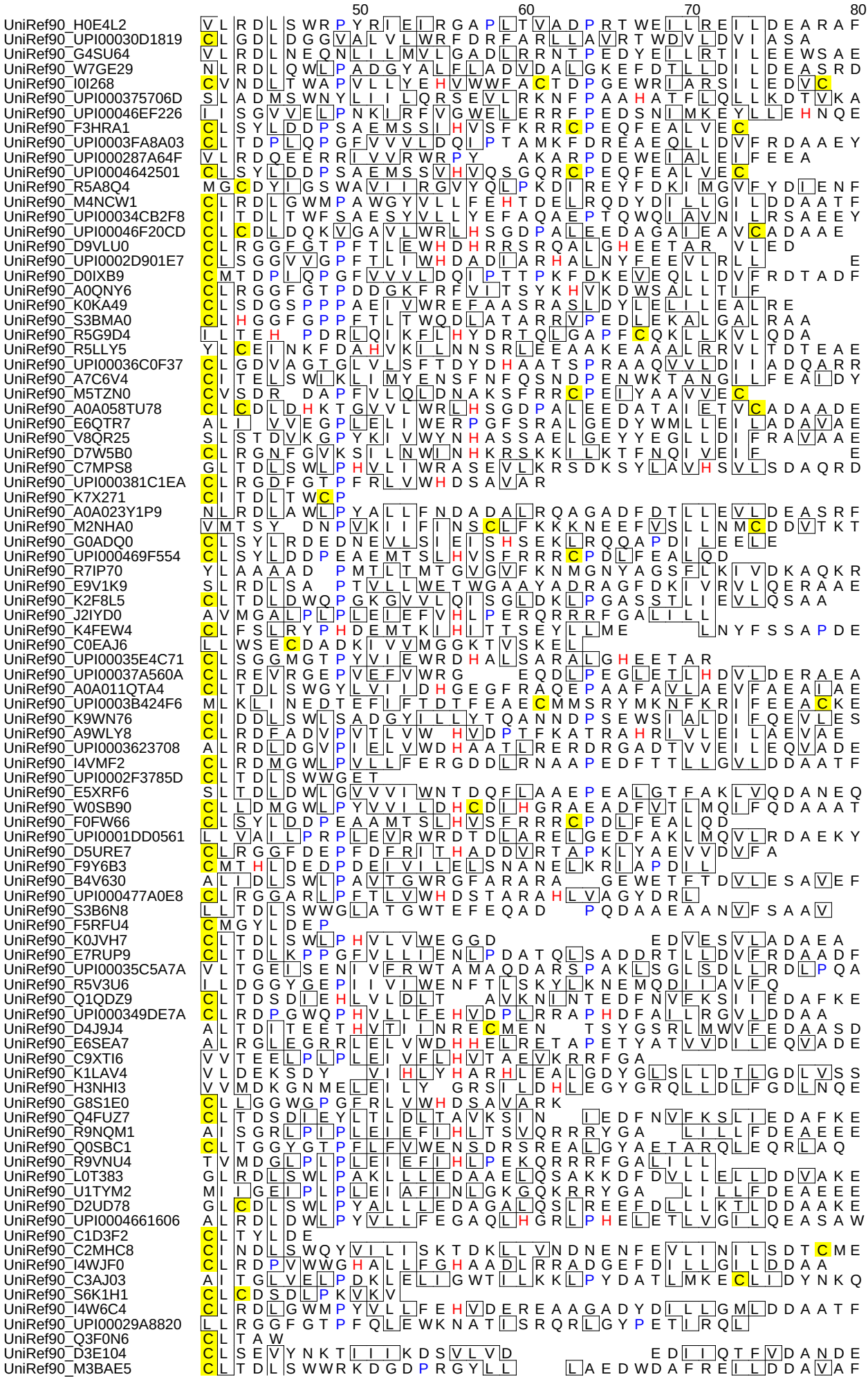

UniRef90_V2I5X6 W A E R R V Q F
UniRef90_S9S613 F P S Y A A R I D
UniRef90_Y1ERP9 L E G
UniRef90_D9W3P5 A Q G F T V
UniRef90_C4SW21 Y Q G
UniRef90_U3C9B0 D E R F E L I I D
UniRef90_V5Z8L2 T G G F S V R I S
UniRef90_UPI000248D05A K P G F K I I I
UniRef90_UPI00034796D3 L A G
UniRef90_UPI0002DAA644 V H G L A V L L S
UniRef90_D9QMC1
UniRef90_E0RVS7 M Q G L K I R F
UniRef90_K9WXD4
UniRef90_I0QZH4
UniRef90_R9SGV0 N P H V N L K L
UniRef90_M9RYR6 Y P Q L
UniRef90_E9CMJ8
UniRef90_D4F1U5
UniRef90_F3B3T5 N T H L A I I
UniRef90_A4WF52 L Q G Q L R F N
UniRef90_UPI000468DB79
UniRef90_C7N530
UniRef90_A1KAK2
UniRef90_B9D4F1 N E R V K F E I
UniRef90_H5X4H3
UniRef90_UPI00037D0F54 M P G L A V L L A
UniRef90_A0A031GHC5 M P D
UniRef90_U2AVR9 T E D L T I E V
UniRef90_C4L195
UniRef90_D3B9F5 L D P G Q L T F
UniRef90_A0A024YRI8 W R D
UniRef90_UPI00035D19BC Y P S L K
UniRef90_W3ARY3 I P D F S V R F
UniRef90_X5I809 Y P
UniRef90_UPI00035F299C N E G L R L I
UniRef90_UPI0003135815
UniRef90_T0AUT0 W A D E G I A F
UniRef90_W0HTR5 L Q G
UniRef90_W5W1H0 S D R F G Y E L
UniRef90_UPI00035E0A17 Q P G
UniRef90_I0GYG0
UniRef90_D8P8W9 W
UniRef90_UPI00036041BD
UniRef90_V6MGY6 L G
UniRef90_J3D4T5 L A G
UniRef90_W1IVJ5
UniRef90_UPI000363F1FB M G G L T V V L A
UniRef90_K8GPG6 W K D
UniRef90_W7X4I9 W S D R K I
UniRef90_UPI0004726B3F L E G
UniRef90_UPI00037677BE L E G
UniRef90_G9YED6
UniRef90_N6ZL66 T G D F
UniRef90_UPI00046FF7C5
UniRef90_U2M186 L E G
UniRef90_UPI0003C7F0AA Y Q G
UniRef90_U1TRY5 L A G
UniRef90_L7ET04 D Q S F
UniRef90_D2ZL48 L E G Q L R F N
UniRef90_D9V7V3 M G R L T L V L
UniRef90_UPI00018168FD D E E F
UniRef90_UPI0003B4785A
UniRef90_V5UDD4 W A E R R V T F
UniRef90_W9AU59
UniRef90_G7UH73 L A G
UniRef90_UPI0004770771
UniRef90_C5EHM3 Y G H C Q C I
UniRef90_D9VK28 W R E
UniRef90_J1GID6 L E G Q L R F N
UniRef90_UPI00034B2C01 Y P N E N F T V
UniRef90_Q7N041
UniRef90_UPI000375725F W
UniRef90_D1ARV4
UniRef90_UPI000360F090 W A E K K V
UniRef90_N6XCA6 G I T F E V V F S
UniRef90_L7EV18 W R E
UniRef90_UPI000414B6EA
UniRef90_S3I7K8 M T G E F Y I V
UniRef90_F0JSV7 L E G
UniRef90_H1S4G9 D E R F
UniRef90_F4GQ82
UniRef90_V5C265
UniRef90_C0D173 A K D
UniRef90_UPI00036217EB W A E R K V A F
UniRef90_A0A059KRS4 W A E R K I
UniRef90_E9ST02 V E E
UniRef90_UPI0002628968
UniRef90_H0Q426 W A D
UniRef90_F5XRV1 D P P F A V V L A
UniRef90_UPI00037BDB04 W R D
UniRef90_F0QCN9 W G D R K I A F
UniRef90_G4D220 G I E V K I

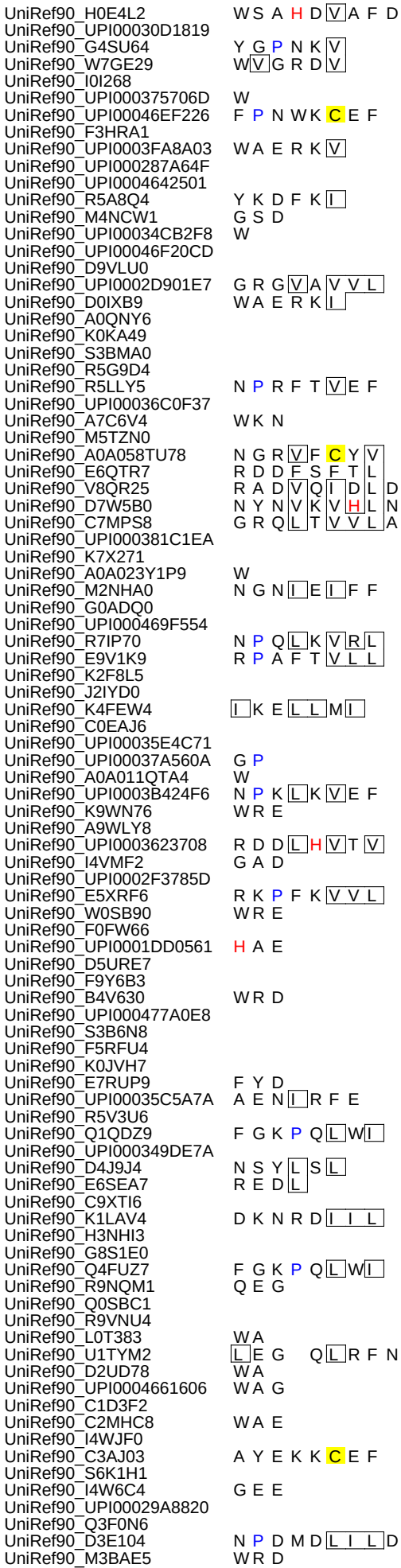

1
10
20
30
40
UniRef90_V5C890
UniRef90_E8UCF3
UniRef90_A4THF4
UniRef90_C6DCS5
UniRef90_UPI000373B715
UniRef90_UPI0003735E7D
UniRef90_UPI00035D646E
UniRef90_U2HFG8
UniRef90_V4HYL9
UniRef90_R5XV14
UniRef90_UPI0004728371
UniRef90_E6PJM0
UniRef90_UPI00036C8CA7
UniRef90_A0A023V5P8
UniRef90_UPI000289FC50
UniRef90_UPI0003B64BB5
UniRef90_R5C5I0
UniRef90_F4CZK6
UniRef90_R5H473
UniRef90_E5AM28
UniRef90_UPI00036FC9F7
UniRef90_Q5P282
UniRef90_W7QLE9
UniRef90_Q2NGG8
UniRef90_N0D4R5
UniRef90_A8AQD2
UniRef90_A0A014NNL5
UniRef90_A1KSQ3
UniRef90_B5JE33
UniRef90_O68218
UniRef90_UPI00037A82D9
UniRef90_UPI00047AF945
UniRef90_E4NAM4
UniRef90_UPI00037B42BE
UniRef90_R6C6R5
UniRef90_V8G384
UniRef90_U5WBM3
UniRef90_G5F637
UniRef90_D9XVR5
UniRef90_G9Z269
UniRef90_C2LPM0
UniRef90_UPI000371A4B0
UniRef90_L8F031
UniRef90_UPI000380CB15
UniRef90_UPI0003B30122
UniRef90_UPI00034DC842
UniRef90_L0LY27
UniRef90_UPI0003603048
UniRef90_I0DYJ5
UniRef90_T0RD58
UniRef90_X5LKQ7
UniRef90_D0KD18
UniRef90_H3RCP5
UniRef90_UPI000374A938
UniRef90_UPI00034BD8C2
UniRef90_E0WT89
UniRef90_UPI0002E85054
UniRef90_J2M524
UniRef90_UPI00037DA990
UniRef90_UPI00047EBBFA
UniRef90_UPI000375F321
UniRef90_K8APS7
UniRef90_UPI00037C5BB6
UniRef90_UPI00046307E3
UniRef90_K0V958
UniRef90_A0LZY1
UniRef90_UPI00036BBFCC
UniRef90_E8RXR8
UniRef90_D6X6V8
UniRef90_R5AG63
UniRef90_UPI0004640163
UniRef90_UPI000313B784
UniRef90_UPI00037AB9C1
UniRef90_A0A014NQ14
UniRef90_UPI00036F5E69
UniRef90_UPI0003C73D59
UniRef90_Q47IE2
UniRef90_A0A022MBH9
UniRef90_G4QAQ9
UniRef90_G0A2G8
UniRef90_R4LI35
UniRef90_UPI0003B3DB10
UniRef90_UPI0001FFF04F
UniRef90_UPI00037C5B69
UniRef90_I4C6Y9
UniRef90_H0QXX0
UniRef90_C0AZH7
UniRef90_D6X933
UniRef90_H3MSU7
UniRef90_E1SFM1
UniRef90_UPI00016C4E7B
UniRef90_N6X5N1

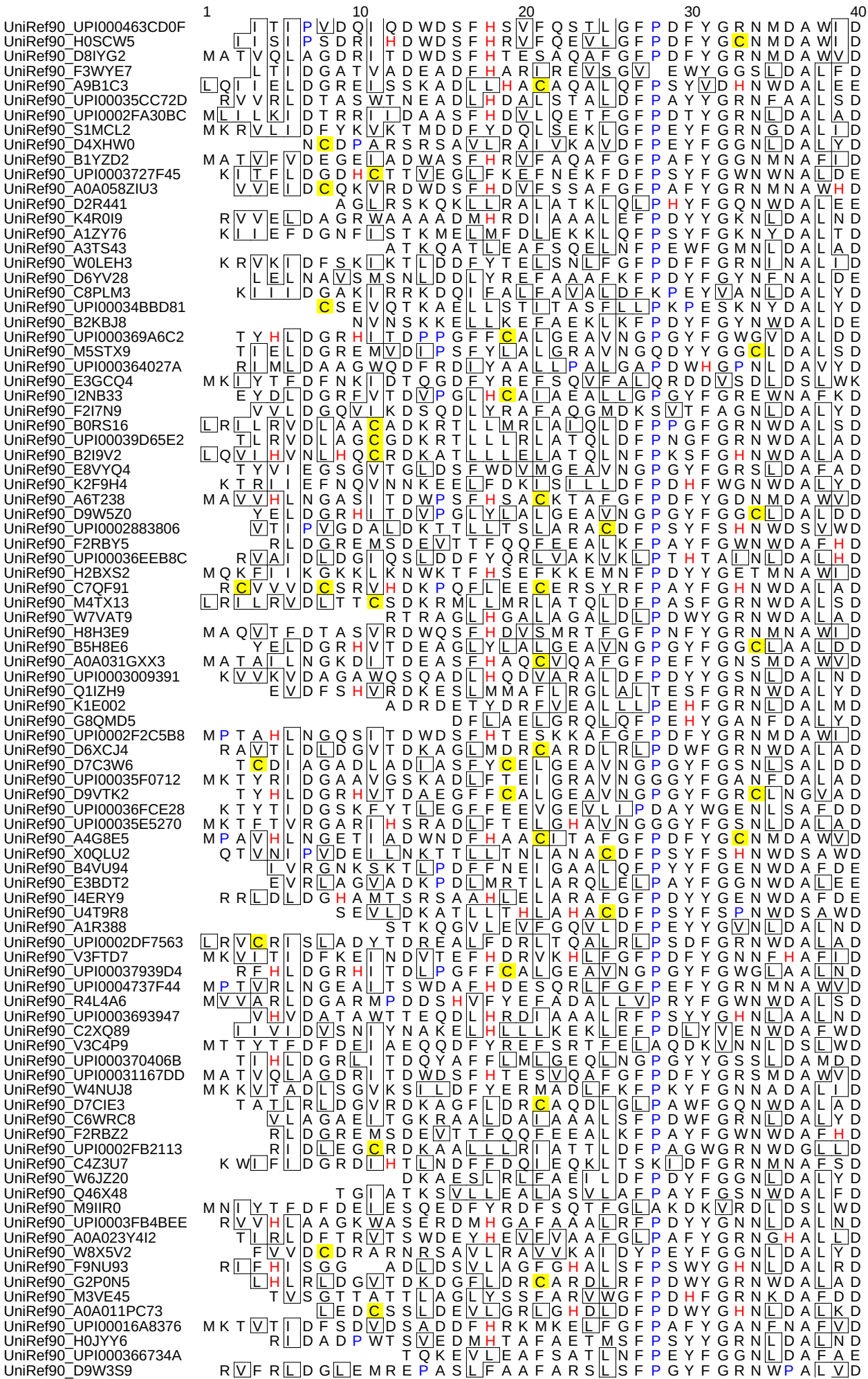

50
60
70
80
UniRef90_V5C890
UniRef90_E8UCF3
UniRef90_A4THF4
UniRef90_C6DCS5
UniRef90_UPI000373B715
UniRef90_UPI0003735E7D
UniRef90_UPI00035D646E
UniRef90_U2HFG8
UniRef90_V4HYL9
UniRef90_R5XV14
UniRef90_UPI0004728371
UniRef90_E6PJM0
UniRef90_UPI00036C8CA7
UniRef90_A0A023V5P8
UniRef90_UPI000289FC50
UniRef90_UPI0003B64BB5
UniRef90_R5C5I0
UniRef90_F4CZK6
UniRef90_R5H473
UniRef90_E5AM28
UniRef90_UPI00036FC9F7
UniRef90_Q5P282
UniRef90_W7QLE9
UniRef90_Q2NGG8
UniRef90_N0D4R5
UniRef90_A8AQD2
UniRef90_A0A014NNL5
UniRef90_A1KSQ3
UniRef90_B5JE33
UniRef90_O68218
UniRef90_UPI00037A82D9
UniRef90_UPI00047AF945
UniRef90_E4NAM4
UniRef90_UPI00037B42BE
UniRef90_R6C6R5
UniRef90_V8G384
UniRef90_U5WBM3
UniRef90_G5F637
UniRef90_D9XVR5
UniRef90_G9Z269
UniRef90_C2LPM0
UniRef90_UPI000371A4B0
UniRef90_L8F031
UniRef90_UPI000380CB15
UniRef90_UPI0003B30122
UniRef90_UPI00034DC842
UniRef90_L0LY27
UniRef90_UPI0003603048
UniRef90_I0DYJ5
UniRef90_T0RD58
UniRef90_X5LKQ7
UniRef90_D0KD18
UniRef90_H3RCP5
UniRef90_UPI000374A938
UniRef90_UPI00034BD8C2
UniRef90_E0WT89
UniRef90_UPI0002E85054
UniRef90_J2M524
UniRef90_UPI00037DA990
UniRef90_UPI00047EBBFA
UniRef90_UPI000375F321
UniRef90_K8APS7
UniRef90_UPI00037C5BB6
UniRef90_UPI00046307E3
UniRef90_K0V958
UniRef90_A0LZY1
UniRef90_UPI00036BBFCC
UniRef90_E8RXR8
UniRef90_D6X6V8
UniRef90_R5AG63
UniRef90_UPI0004640163
UniRef90_UPI000313B784
UniRef90_UPI00037AB9C1
UniRef90_A0A014NQ14
UniRef90_UPI00036F5E69
UniRef90_UPI0003C73D59
UniRef90_Q47IE2
UniRef90_A0A022MBH9
UniRef90_G4QAQ9
UniRef90_G0A2G8
UniRef90_R4LI35
UniRef90_UPI0003B3DB10
UniRef90_UPI0001FFF04F
UniRef90_UPI00037C5B69
UniRef90_I4C6Y9
UniRef90_H0QXX0
UniRef90_C0AZH7
UniRef90_D6X933
UniRef90_H3MSU7
UniRef90_E1SFM1
UniRef90_UPI00016C4E7B
UniRef90_N6X5N1

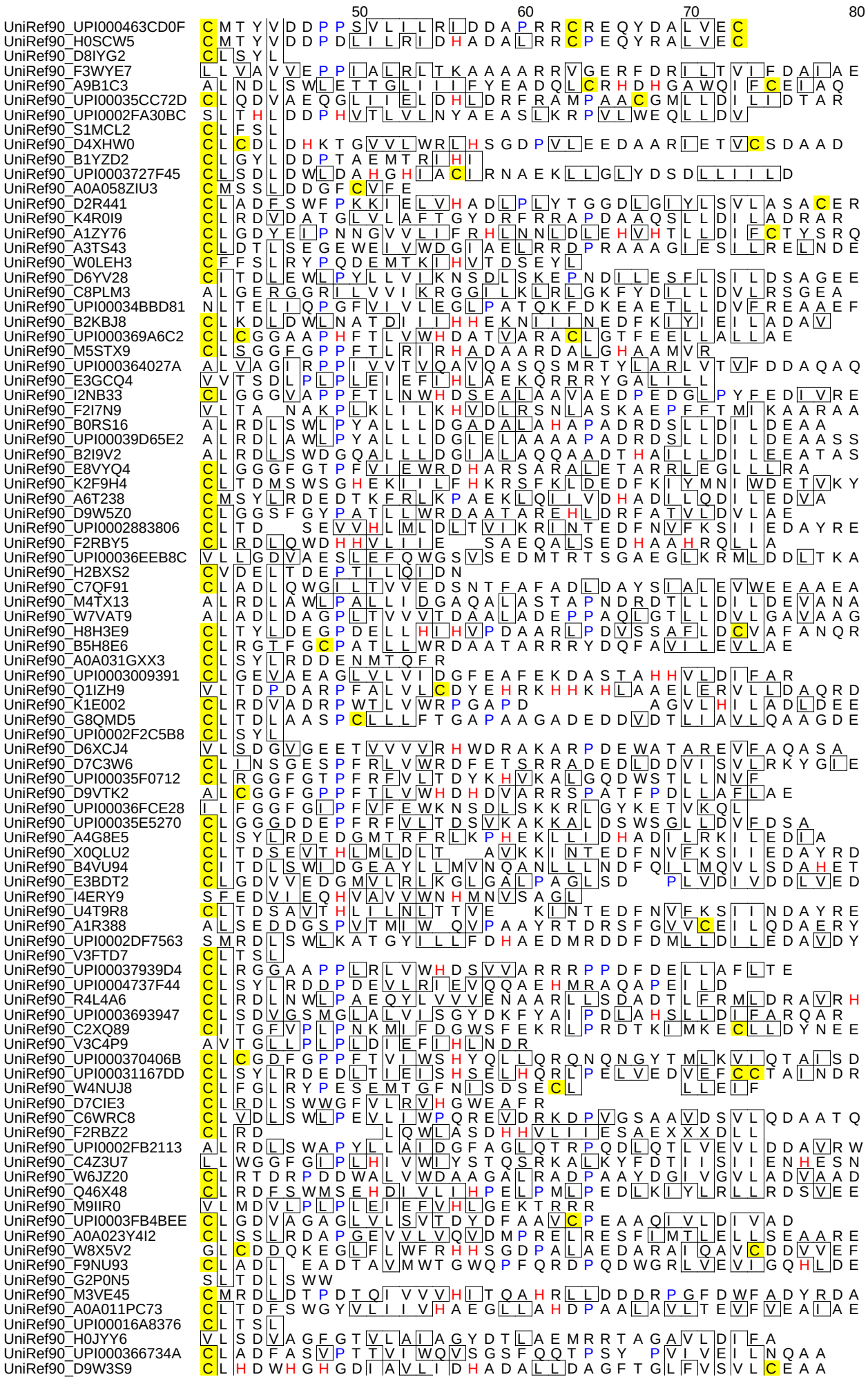

UniRef90_V5C890
UniRef90_E8UCF3 R D D L N L R I S
UniRef90_A4THF4
UniRef90_C6DCS5
UniRef90_UPI000373B715
UniRef90_UPI0003735E7D
UniRef90_UPI00035D646E W
UniRef90_U2HFG8 G G D P L I V L S
UniRef90_V4HYL9
UniRef90_R5XV14 R E N
UniRef90_UPI0004728371 F P D
UniRef90_E6PJM0 W
UniRef90_UPI00036C8CA7
UniRef90_A0A023V5P8 L E G Q L R F N
UniRef90_UPI000289FC50
UniRef90_UPI0003B64BB5 N P D L T V E F
UniRef90_R5C5I0 N E Y L E I A I A
UniRef90_F4CZK6
UniRef90_R5H473 N P N I R V E F
UniRef90_E5AM28 W A E R K V
UniRef90_UPI00036FC9F7 R S R V T V V L D
UniRef90_Q5P282
UniRef90_W7QLE9
UniRef90_Q2NGG8 S N Y L T F
UniRef90_N0D4R5
UniRef90_A8AQD2 L E G
UniRef90_A0A014NNL5 L E G
UniRef90_A1KSQ3 D E D Y G F E
UniRef90_B5JE33
UniRef90_O68218
UniRef90_UPI00037A82D9
UniRef90_UPI00047AF945 T P P F A L V L
UniRef90_E4NAM4
UniRef90_UPI00037B42BE
UniRef90_R6C6R5
UniRef90_V8G384 R D D F R F L L
UniRef90_U5WBM3 V E
UniRef90_G5F637 N P T L E V V I
UniRef90_D9XVR5 T P S L T V A L A
UniRef90_G9Z269 L G G Q L R F N
UniRef90_C2LPM0
UniRef90_UPI000371A4B0
UniRef90_L8F031
UniRef90_UPI000380CB15
UniRef90_UPI0003B30122
UniRef90_UPI00034DC842 G R G V S V V L
UniRef90_L0LY27 L E G
UniRef90_UPI0003603048 W G P F A V L V A
UniRef90_I0DYJ5
UniRef90_T0RD58 Y S S F E Y Y L N
UniRef90_X5LKQ7
UniRef90_D0KD18 F S G F K
UniRef90_H3RCP5
UniRef90_UPI000374A938 S G E R V F R
UniRef90_UPI00034BD8C2 H P
UniRef90_E0WT89 L S G
UniRef90_UPI0002E85054
UniRef90_J2M524 W A D K K I A F
UniRef90_UPI00037DA990 S R T L T V V L A
UniRef90_UPI00047EBBFA
UniRef90_UPI000375F321 L R H F T V E L
UniRef90_K8APS7 L E G
UniRef90_UPI00037C5BB6 R P L L R V V L
UniRef90_UPI00046307E3
UniRef90_K0V958 N E G V D L W L
UniRef90_A0LZY1 G E K N R V I L D
UniRef90_UPI00036BBFCC S G Q L R V F L
UniRef90_E8RXR8
UniRef90_D6X6V8
UniRef90_R5AG63
UniRef90_UPI0004640163 V N W R R I E
UniRef90_UPI000313B784 W S G
UniRef90_UPI00037AB9C1 T F L L D V M L A
UniRef90_A0A014NQ14 W A E R K I A F
UniRef90_UPI00036F5E69
UniRef90_UPI0003C73D59
UniRef90_Q47IE2
UniRef90_A0A022MBH9 A A E L R R R L
UniRef90_G4QAQ9 R E D F I L R I S
UniRef90_G0A2G8
UniRef90_R4LI35 W A N
UniRef90_UPI0003B3DB10 N P D I N L H I
UniRef90_UPI0001FFF04F
UniRef90_UPI00037C5B69
UniRef90_I4C6Y9
UniRef90_H0QXX0
UniRef90_C0AZH7 L G
UniRef90_D6X933
UniRef90_H3MSU7
UniRef90_E1SFM1 L E G
UniRef90_UPI00016C4E7B
UniRef90_N6X5N1


1
10
20
30
40
UniRef90_H0E4L2
UniRef90_UPI00030D1819
UniRef90_G4SU64
UniRef90_W7GE29
UniRef90_I0I268
UniRef90_UPI000375706D
UniRef90_UPI00046EF226
UniRef90_F3HRA1
UniRef90_UPI0003FA8A03
UniRef90_UPI000287A64F
UniRef90_UPI0004642501
UniRef90_R5A8Q4
UniRef90_M4NCW1
UniRef90_UPI00034CB2F8
UniRef90_UPI00046F20CD
UniRef90_D9VLU0
UniRef90_UPI0002D901E7
UniRef90_D0IXB9
UniRef90_A0QNY6
UniRef90_K0KA49
UniRef90_S3BMA0
UniRef90_R5G9D4
UniRef90_R5LLY5
UniRef90_UPI00036C0F37
UniRef90_A7C6V4
UniRef90_M5TZN0
UniRef90_A0A058TU78
UniRef90_E6QTR7
UniRef90_V8QR25
UniRef90_D7W5B0
UniRef90_C7MPS8
UniRef90_UPI000381C1EA
UniRef90_K7X271
UniRef90_A0A023Y1P9
UniRef90_M2NHA0
UniRef90_G0ADQ0
UniRef90_UPI000469F554
UniRef90_R7IP70
UniRef90_E9V1K9
UniRef90_K2F8L5
UniRef90_J2IYD0
UniRef90_K4FEW4
UniRef90_C0EAJ6
UniRef90_UPI00035E4C71
UniRef90_UPI00037A560A
UniRef90_A0A011QTA4
UniRef90_UPI0003B424F6
UniRef90_K9WN76
UniRef90_A9WLY8
UniRef90_UPI0003623708
UniRef90_I4VMF2
UniRef90_UPI0002F3785D
UniRef90_E5XRF6
UniRef90_W0SB90
UniRef90_F0FW66
UniRef90_UPI0001DD0561
UniRef90_D5URE7
UniRef90_F9Y6B3
UniRef90_B4V630
UniRef90_UPI000477A0E8
UniRef90_S3B6N8
UniRef90_F5RFU4
UniRef90_K0JVH7
UniRef90_E7RUP9
UniRef90_UPI00035C5A7A
UniRef90_R5V3U6
UniRef90_Q1QDZ9
UniRef90_UPI000349DE7A
UniRef90_D4J9J4
UniRef90_E6SEA7
UniRef90_C9XTI6
UniRef90_K1LAV4
UniRef90_H3NHI3
UniRef90_G8S1E0
UniRef90_Q4FUZ7
UniRef90_R9NQM1
UniRef90_Q0SBC1
UniRef90_R9VNU4
UniRef90_L0T383
UniRef90_U1TYM2
UniRef90_D2UD78
UniRef90_UPI0004661606
UniRef90_C1D3F2
UniRef90_C2MHC8
UniRef90_I4WJF0
UniRef90_C3AJ03
UniRef90_S6K1H1
UniRef90_I4W6C4
UniRef90_UPI00029A8820
UniRef90_Q3F0N6
UniRef90_D3E104
UniRef90_M3BAE5

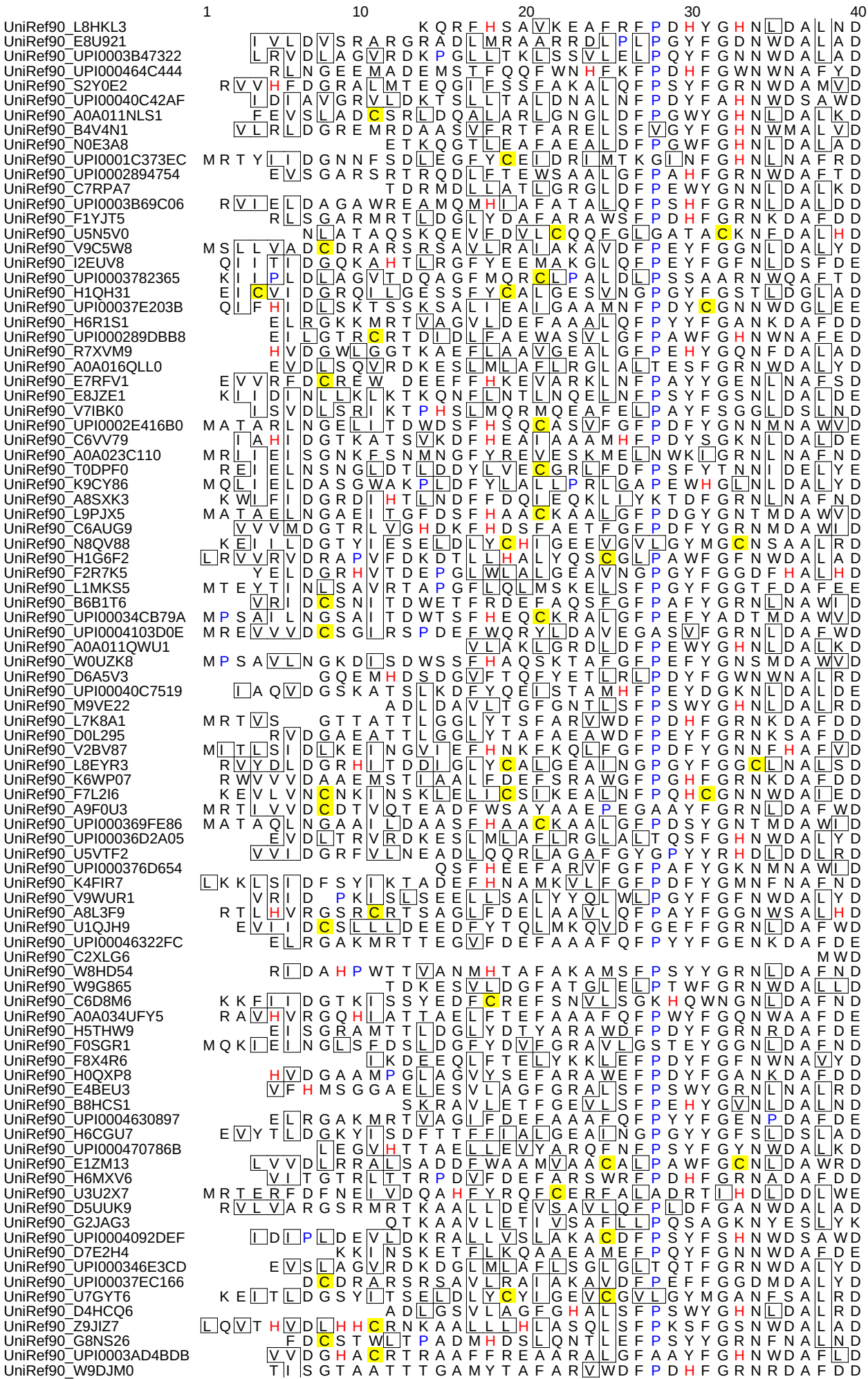

50
60
70
80
UniRef90_H0E4L2
UniRef90_UPI00030D1819
UniRef90_G4SU64
UniRef90_W7GE29
UniRef90_I0I268
UniRef90_UPI000375706D
UniRef90_UPI00046EF226
UniRef90_F3HRA1
UniRef90_UPI0003FA8A03
UniRef90_UPI000287A64F
UniRef90_UPI0004642501
UniRef90_R5A8Q4
UniRef90_M4NCW1
UniRef90_UPI00034CB2F8
UniRef90_UPI00046F20CD
UniRef90_D9VLU0
UniRef90_UPI0002D901E7
UniRef90_D0IXB9
UniRef90_A0QNY6
UniRef90_K0KA49
UniRef90_S3BMA0
UniRef90_R5G9D4
UniRef90_R5LLY5
UniRef90_UPI00036C0F37
UniRef90_A7C6V4
UniRef90_M5TZN0
UniRef90_A0A058TU78
UniRef90_E6QTR7
UniRef90_V8QR25
UniRef90_D7W5B0
UniRef90_C7MPS8
UniRef90_UPI000381C1EA
UniRef90_K7X271
UniRef90_A0A023Y1P9
UniRef90_M2NHA0
UniRef90_G0ADQ0
UniRef90_UPI000469F554
UniRef90_R7IP70
UniRef90_E9V1K9
UniRef90_K2F8L5
UniRef90_J2IYD0
UniRef90_K4FEW4
UniRef90_C0EAJ6
UniRef90_UPI00035E4C71
UniRef90_UPI00037A560A
UniRef90_A0A011QTA4
UniRef90_UPI0003B424F6
UniRef90_K9WN76
UniRef90_A9WLY8
UniRef90_UPI0003623708
UniRef90_I4VMF2
UniRef90_UPI0002F3785D
UniRef90_E5XRF6
UniRef90_W0SB90
UniRef90_F0FW66
UniRef90_UPI0001DD0561
UniRef90_D5URE7
UniRef90_F9Y6B3
UniRef90_B4V630
UniRef90_UPI000477A0E8
UniRef90_S3B6N8
UniRef90_F5RFU4
UniRef90_K0JVH7
UniRef90_E7RUP9
UniRef90_UPI00035C5A7A
UniRef90_R5V3U6
UniRef90_Q1QDZ9
UniRef90_UPI000349DE7A
UniRef90_D4J9J4
UniRef90_E6SEA7
UniRef90_C9XTI6
UniRef90_K1LAV4
UniRef90_H3NHI3
UniRef90_G8S1E0
UniRef90_Q4FUZ7
UniRef90_R9NQM1
UniRef90_Q0SBC1
UniRef90_R9VNU4
UniRef90_L0T383
UniRef90_U1TYM2
UniRef90_D2UD78
UniRef90_UPI0004661606
UniRef90_C1D3F2
UniRef90_C2MHC8
UniRef90_I4WJF0
UniRef90_C3AJ03
UniRef90_S6K1H1
UniRef90_I4W6C4
UniRef90_UPI00029A8820
UniRef90_Q3F0N6
UniRef90_D3E104
UniRef90_M3BAE5

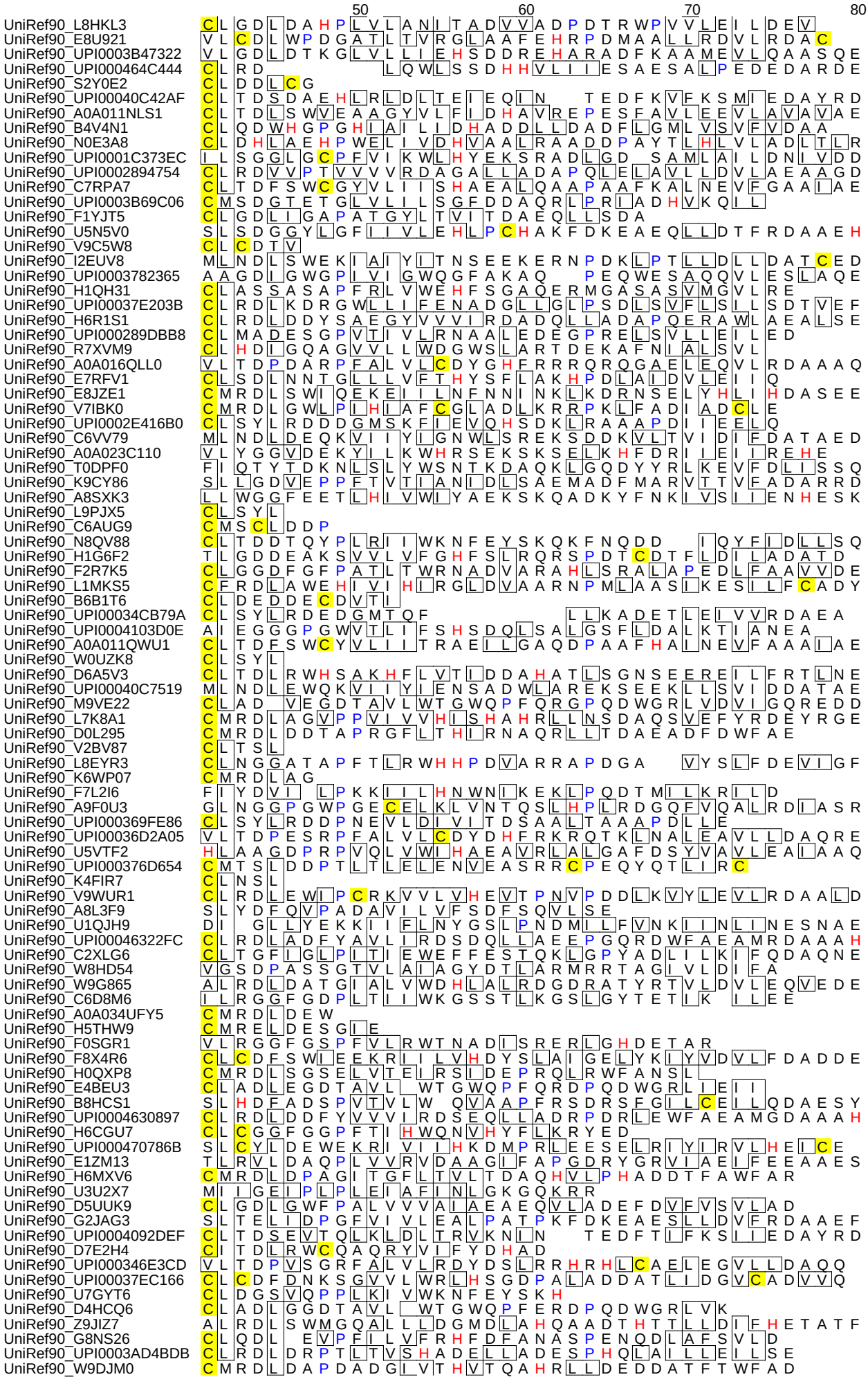

UniRef90_H0E4L2 W S A H D V A F D
UniRef90_UPI00030D1819
UniRef90_G4SU64 Y G P N K V
UniRef90_W7GE29 W V G R D V
UniRef90_I0I268
UniRef90_UPI000375706D W
UniRef90_UPI00046EF226 F P N W K C E F
UniRef90_F3HRA1
UniRef90_UPI0003FA8A03 W A E R K V
UniRef90_UPI000287A64F
UniRef90_UPI0004642501
UniRef90_R5A8Q4 Y K D F K I
UniRef90_M4NCW1 G S D
UniRef90_UPI00034CB2F8 W
UniRef90_UPI00046F20CD
UniRef90_D9VLU0
UniRef90_UPI0002D901E7 G R G V A V V L
UniRef90_D0IXB9 W A E R K I
UniRef90_A0QNY6
UniRef90_K0KA49
UniRef90_S3BMA0
UniRef90_R5G9D4
UniRef90_R5LLY5 N P R F T V E F
UniRef90_UPI00036C0F37
UniRef90_A7C6V4 W K N
UniRef90_M5TZN0
UniRef90_A0A058TU78 N G R V F C Y V
UniRef90_E6QTR7 R D D F S F T L
UniRef90_V8QR25 R A D V Q I D L D
UniRef90_D7W5B0 N Y N V K V H L N
UniRef90_C7MPS8 G R Q L T V V L A
UniRef90_UPI000381C1EA
UniRef90_K7X271
UniRef90_A0A023Y1P9 W
UniRef90_M2NHA0 N G N I E I F F
UniRef90_G0ADQ0
UniRef90_UPI000469F554
UniRef90_R7IP70 N P Q L K V R L
UniRef90_E9V1K9 R P A F T V L L
UniRef90_K2F8L5
UniRef90_J2IYD0
UniRef90_K4FEW4 I K E L L M I
UniRef90_C0EAJ6
UniRef90_UPI00035E4C71
UniRef90_UPI00037A560A G P
UniRef90_A0A011QTA4 W
UniRef90_UPI0003B424F6 N P K L K V E F
UniRef90_K9WN76 W R E
UniRef90_A9WLY8
UniRef90_UPI0003623708 R D D L H V T V
UniRef90_I4VMF2 G A D
UniRef90_UPI0002F3785D
UniRef90_E5XRF6 R K P F K V V L
UniRef90_W0SB90 W R E
UniRef90_F0FW66
UniRef90_UPI0001DD0561 H A E
UniRef90_D5URE7
UniRef90_F9Y6B3
UniRef90_B4V630 W R D
UniRef90_UPI000477A0E8
UniRef90_S3B6N8
UniRef90_F5RFU4
UniRef90_K0JVH7
UniRef90_E7RUP9 F Y D
UniRef90_UPI00035C5A7A A E N I R F E
UniRef90_R5V3U6
UniRef90_Q1QDZ9 F G K P Q L W I
UniRef90_UPI000349DE7A
UniRef90_D4J9J4 N S Y L S L
UniRef90_E6SEA7 R E D L
UniRef90_C9XTI6
UniRef90_K1LAV4 D K N R D I I L
UniRef90_H3NHI3
UniRef90_G8S1E0
UniRef90_Q4FUZ7 F G K P Q L W I
UniRef90_R9NQM1 Q E G
UniRef90_Q0SBC1
UniRef90_R9VNU4
UniRef90_L0T383 W A
UniRef90_U1TYM2 L E G Q L R F N
UniRef90_D2UD78 W A
UniRef90_UPI0004661606 W A G
UniRef90_C1D3F2
UniRef90_C2MHC8 W A E
UniRef90_I4WJF0
UniRef90_C3AJ03 A Y E K K C E F
UniRef90_S6K1H1
UniRef90_I4W6C4 G E E
UniRef90_UPI00029A8820
UniRef90_Q3F0N6
UniRef90_D3E104 N P D M D L I L D
UniRef90_M3BAE5 W R D

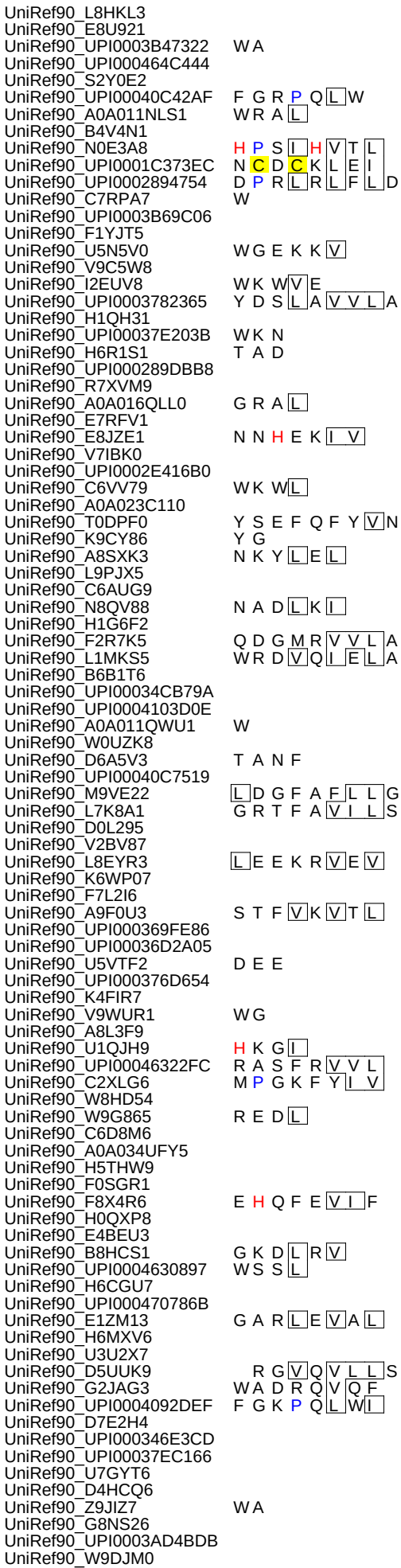

1
10
20
30
40
UniRef90_UPI000463CD0F
UniRef90_H0SCW5
UniRef90_D8IYG2
UniRef90_F3WYE7
UniRef90_A9B1C3
UniRef90_UPI00035CC72D
UniRef90_UPI0002FA30BC
UniRef90_S1MCL2
UniRef90_D4XHW0
UniRef90_B1YZD2
UniRef90_UPI0003727F45
UniRef90_A0A058ZIU3
UniRef90_D2R441
UniRef90_K4R0I9
UniRef90_A1ZY76
UniRef90_A3TS43
UniRef90_W0LEH3
UniRef90_D6YV28
UniRef90_C8PLM3
UniRef90_UPI00034BBD81
UniRef90_B2KBJ8
UniRef90_UPI000369A6C2
UniRef90_M5STX9
UniRef90_UPI000364027A
UniRef90_E3GCQ4
UniRef90_I2NB33
UniRef90_F2I7N9
UniRef90_B0RS16
UniRef90_UPI00039D65E2
UniRef90_B2I9V2
UniRef90_E8VYQ4
UniRef90_K2F9H4
UniRef90_A6T238
UniRef90_D9W5Z0
UniRef90_UPI0002883806
UniRef90_F2RBY5
UniRef90_UPI00036EEB8C
UniRef90_H2BXS2
UniRef90_C7QF91
UniRef90_M4TX13
UniRef90_W7VAT9
UniRef90_H8H3E9
UniRef90_B5H8E6
UniRef90_A0A031GXX3
UniRef90_UPI0003009391
UniRef90_Q1IZH9
UniRef90_K1E002
UniRef90_G8QMD5
UniRef90_UPI0002F2C5B8
UniRef90_D6XCJ4
UniRef90_D7C3W6
UniRef90_UPI00035F0712
UniRef90_D9VTK2
UniRef90_UPI00036FCE28
UniRef90_UPI00035E5270
UniRef90_A4G8E5
UniRef90_X0QLU2
UniRef90_B4VU94
UniRef90_E3BDT2
UniRef90_I4ERY9
UniRef90_U4T9R8
UniRef90_A1R388
UniRef90_UPI0002DF7563
UniRef90_V3FTD7
UniRef90_UPI00037939D4
UniRef90_UPI0004737F44
UniRef90_R4L4A6
UniRef90_UPI0003693947
UniRef90_C2XQ89
UniRef90_V3C4P9
UniRef90_UPI000370406B
UniRef90_UPI00031167DD
UniRef90_W4NUJ8
UniRef90_D7CIE3
UniRef90_C6WRC8
UniRef90_F2RBZ2
UniRef90_UPI0002FB2113
UniRef90_C4Z3U7
UniRef90_W6JZ20
UniRef90_Q46X48
UniRef90_M9IIR0
UniRef90_UPI0003FB4BEE
UniRef90_A0A023Y4I2
UniRef90_W8X5V2
UniRef90_F9NU93
UniRef90_G2P0N5
UniRef90_M3VE45
UniRef90_A0A011PC73
UniRef90_UPI00016A8376
UniRef90_H0JYY6
UniRef90_UPI000366734A
UniRef90_D9W3S9

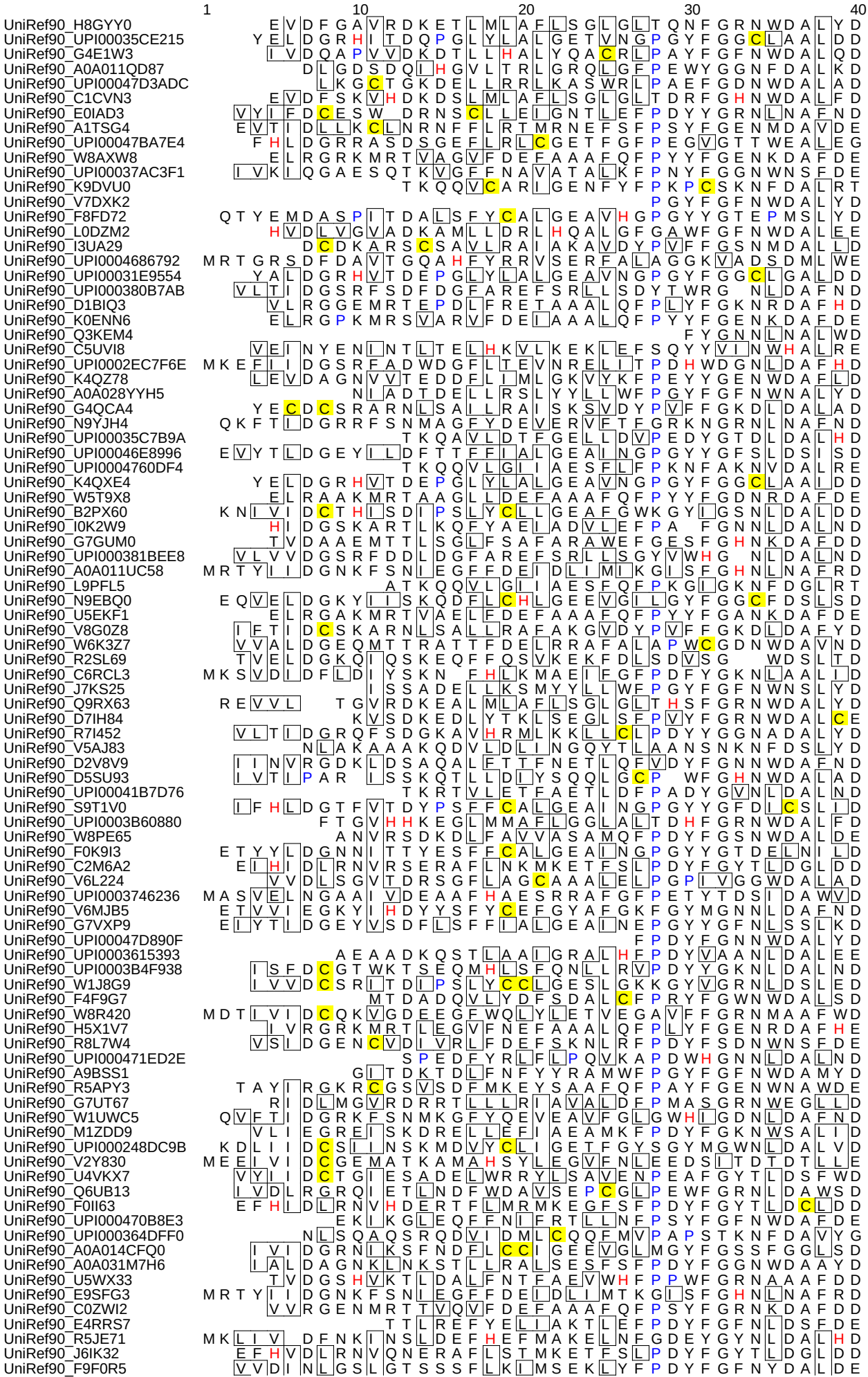

50
60
70
80
UniRef90_UPI000463CD0F
UniRef90_H0SCW5
UniRef90_D8IYG2
UniRef90_F3WYE7
UniRef90_A9B1C3
UniRef90_UPI00035CC72D
UniRef90_UPI0002FA30BC
UniRef90_S1MCL2
UniRef90_D4XHW0
UniRef90_B1YZD2
UniRef90_UPI0003727F45
UniRef90_A0A058ZIU3
UniRef90_D2R441
UniRef90_K4R0I9
UniRef90_A1ZY76
UniRef90_A3TS43
UniRef90_W0LEH3
UniRef90_D6YV28
UniRef90_C8PLM3
UniRef90_UPI00034BBD81
UniRef90_B2KBJ8
UniRef90_UPI000369A6C2
UniRef90_M5STX9
UniRef90_UPI000364027A
UniRef90_E3GCQ4
UniRef90_I2NB33
UniRef90_F2I7N9
UniRef90_B0RS16
UniRef90_UPI00039D65E2
UniRef90_B2I9V2
UniRef90_E8VYQ4
UniRef90_K2F9H4
UniRef90_A6T238
UniRef90_D9W5Z0
UniRef90_UPI0002883806
UniRef90_F2RBY5
UniRef90_UPI00036EEB8C
UniRef90_H2BXS2
UniRef90_C7QF91
UniRef90_M4TX13
UniRef90_W7VAT9
UniRef90_H8H3E9
UniRef90_B5H8E6
UniRef90_A0A031GXX3
UniRef90_UPI0003009391
UniRef90_Q1IZH9
UniRef90_K1E002
UniRef90_G8QMD5
UniRef90_UPI0002F2C5B8
UniRef90_D6XCJ4
UniRef90_D7C3W6
UniRef90_UPI00035F0712
UniRef90_D9VTK2
UniRef90_UPI00036FCE28
UniRef90_UPI00035E5270
UniRef90_A4G8E5
UniRef90_X0QLU2
UniRef90_B4VU94
UniRef90_E3BDT2
UniRef90_I4ERY9
UniRef90_U4T9R8
UniRef90_A1R388
UniRef90_UPI0002DF7563
UniRef90_V3FTD7
UniRef90_UPI00037939D4
UniRef90_UPI0004737F44
UniRef90_R4L4A6
UniRef90_UPI0003693947
UniRef90_C2XQ89
UniRef90_V3C4P9
UniRef90_UPI000370406B
UniRef90_UPI00031167DD
UniRef90_W4NUJ8
UniRef90_D7CIE3
UniRef90_C6WRC8
UniRef90_F2RBZ2
UniRef90_UPI0002FB2113
UniRef90_C4Z3U7
UniRef90_W6JZ20
UniRef90_Q46X48
UniRef90_M9IIR0
UniRef90_UPI0003FB4BEE
UniRef90_A0A023Y4I2
UniRef90_W8X5V2
UniRef90_F9NU93
UniRef90_G2P0N5
UniRef90_M3VE45
UniRef90_A0A011PC73
UniRef90_UPI00016A8376
UniRef90_H0JYY6
UniRef90_UPI000366734A
UniRef90_D9W3S9

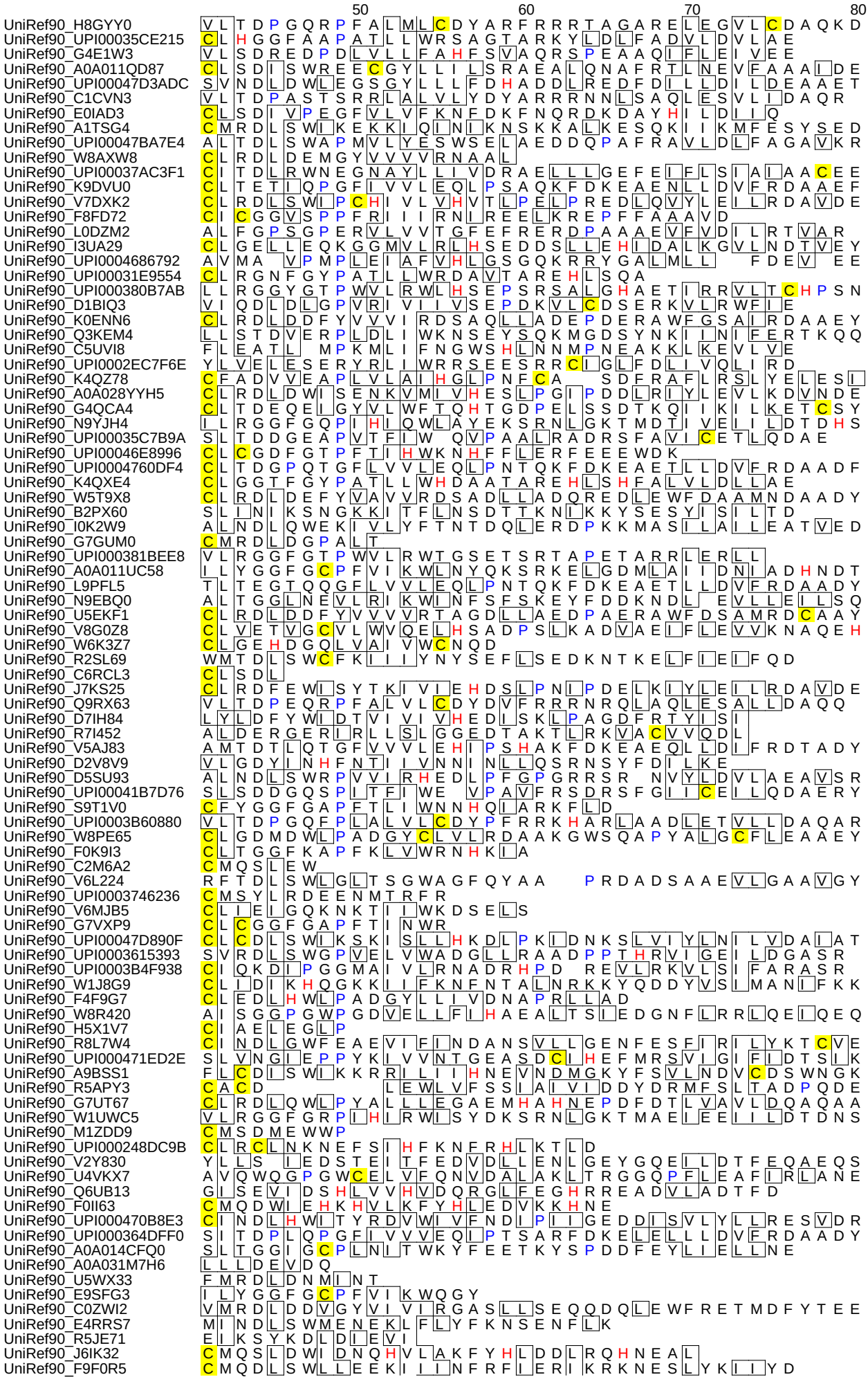
UniRef90_UPI000463CD0F
UniRef90_H0SCW5
UniRef90_D8IYG2
UniRef90_F3WYE7 R P G G A I T L
UniRef90_A9B1C3
UniRef90_UPI00035CC72D
UniRef90_UPI0002FA30BC
UniRef90_S1MCL2
UniRef90_D4XHW0
UniRef90_B1YZD2
UniRef90_UPI0003727F45
UniRef90_A0A058ZIU3
UniRef90_D2R441 C E R L T V I F
UniRef90_K4R0I9
UniRef90_A1ZY76
UniRef90_A3TS43 H P K V H V T L
UniRef90_W0LEH3
UniRef90_D6YV28 W A
UniRef90_C8PLM3
UniRef90_UPI00034BBD81 W A D F R V F F S
UniRef90_B2KBJ8
UniRef90_UPI000369A6C2
UniRef90_M5STX9
UniRef90_UPI000364027A Y G D A R L V L A
UniRef90_E3GCQ4
UniRef90_I2NB33 R R G V T V V L
UniRef90_F2I7N9 N P Q L E I I
UniRef90_B0RS16
UniRef90_UPI00039D65E2 W A
UniRef90_B2I9V2 W A N
UniRef90_E8VYQ4
UniRef90_K2F9H4 W
UniRef90_A6T238
UniRef90_D9W5Z0 G G M Q V T L A
UniRef90_UPI0002883806 F G K P Q L W L
UniRef90_F2RBY5
UniRef90_UPI00036EEB8C R T D I T I
UniRef90_H2BXS2
UniRef90_C7QF91 W R R I G V
UniRef90_M4TX13 W A S R G L T F A
UniRef90_W7VAT9 G E T L R V V L
UniRef90_H8H3E9 Y
UniRef90_B5H8E6
UniRef90_A0A031GXX3
UniRef90_UPI0003009391
UniRef90_Q1IZH9
UniRef90_K1E002 Y P D L S I V V A
UniRef90_G8QMD5 W R E
UniRef90_UPI0002F2C5B8
UniRef90_D6XCJ4 L T V A L A
UniRef90_D7C3W6 I E
UniRef90_UPI00035F0712
UniRef90_D9VTK2 E G V E V V L A
UniRef90_UPI00036FCE28
UniRef90_UPI00035E5270
UniRef90_A4G8E5
UniRef90_X0QLU2 F G K P Q L W V
UniRef90_B4VU94 W
UniRef90_E3BDT2 H D G
UniRef90_I4ERY9
UniRef90_U4T9R8 F G K P Q L W V
UniRef90_A1R388 G R D L A V I
UniRef90_UPI0002DF7563 W Q E
UniRef90_V3FTD7
UniRef90_UPI00037939D4
UniRef90_UPI0004737F44
UniRef90_R4L4A6 W A
UniRef90_UPI0003693947
UniRef90_C2XQ89
UniRef90_V3C4P9
UniRef90_UPI000370406B N H G V T I I
UniRef90_UPI00031167DD C E D
UniRef90_W4NUJ8
UniRef90_D7CIE3
UniRef90_C6WRC8 G A E G R V
UniRef90_F2RBZ2
UniRef90_UPI0002FB2113 W A E
UniRef90_C4Z3U7 N K Y L E L
UniRef90_W6JZ20 A G Q L H V T V
UniRef90_Q46X48 A H H F D V V F A
UniRef90_M9IIR0
UniRef90_UPI0003FB4BEE
UniRef90_A0A023Y4I2
UniRef90_W8X5V2 G Q N
UniRef90_F9NU93 D E G F A V L L
UniRef90_G2P0N5
UniRef90_M3VE45 G H G F A V I L S
UniRef90_A0A011PC73 W
UniRef90_UPI00016A8376
UniRef90_H0JYY6
UniRef90_UPI000366734A
UniRef90_D9W3S9


1
10
20
30
40
UniRef90_L8HKL3
UniRef90_E8U921
UniRef90_UPI0003B47322
UniRef90_UPI000464C444
UniRef90_S2Y0E2
UniRef90_UPI00040C42AF
UniRef90_A0A011NLS1
UniRef90_B4V4N1
UniRef90_N0E3A8
UniRef90_UPI0001C373EC
UniRef90_UPI0002894754
UniRef90_C7RPA7
UniRef90_UPI0003B69C06
UniRef90_F1YJT5
UniRef90_U5N5V0
UniRef90_V9C5W8
UniRef90_I2EUV8
UniRef90_UPI0003782365
UniRef90_H1QH31
UniRef90_UPI00037E203B
UniRef90_H6R1S1
UniRef90_UPI000289DBB8
UniRef90_R7XVM9
UniRef90_A0A016QLL0
UniRef90_E7RFV1
UniRef90_E8JZE1
UniRef90_V7IBK0
UniRef90_UPI0002E416B0
UniRef90_C6VV79
UniRef90_A0A023C110
UniRef90_T0DPF0
UniRef90_K9CY86
UniRef90_A8SXK3
UniRef90_L9PJX5
UniRef90_C6AUG9
UniRef90_N8QV88
UniRef90_H1G6F2
UniRef90_F2R7K5
UniRef90_L1MKS5
UniRef90_B6B1T6
UniRef90_UPI00034CB79A
UniRef90_UPI0004103D0E
UniRef90_A0A011QWU1
UniRef90_W0UZK8
UniRef90_D6A5V3
UniRef90_UPI00040C7519
UniRef90_M9VE22
UniRef90_L7K8A1
UniRef90_D0L295
UniRef90_V2BV87
UniRef90_L8EYR3
UniRef90_K6WP07
UniRef90_F7L2I6
UniRef90_A9F0U3
UniRef90_UPI000369FE86
UniRef90_UPI00036D2A05
UniRef90_U5VTF2
UniRef90_UPI000376D654
UniRef90_K4FIR7
UniRef90_V9WUR1
UniRef90_A8L3F9
UniRef90_U1QJH9
UniRef90_UPI00046322FC
UniRef90_C2XLG6
UniRef90_W8HD54
UniRef90_W9G865
UniRef90_C6D8M6
UniRef90_A0A034UFY5
UniRef90_H5THW9
UniRef90_F0SGR1
UniRef90_F8X4R6
UniRef90_H0QXP8
UniRef90_E4BEU3
UniRef90_B8HCS1
UniRef90_UPI0004630897
UniRef90_H6CGU7
UniRef90_UPI000470786B
UniRef90_E1ZM13
UniRef90_H6MXV6
UniRef90_U3U2X7
UniRef90_D5UUK9
UniRef90_G2JAG3
UniRef90_UPI0004092DEF
UniRef90_D7E2H4
UniRef90_UPI000346E3CD
UniRef90_UPI00037EC166
UniRef90_U7GYT6
UniRef90_D4HCQ6
UniRef90_Z9JIZ7
UniRef90_G8NS26
UniRef90_UPI0003AD4BDB
UniRef90_W9DJM0

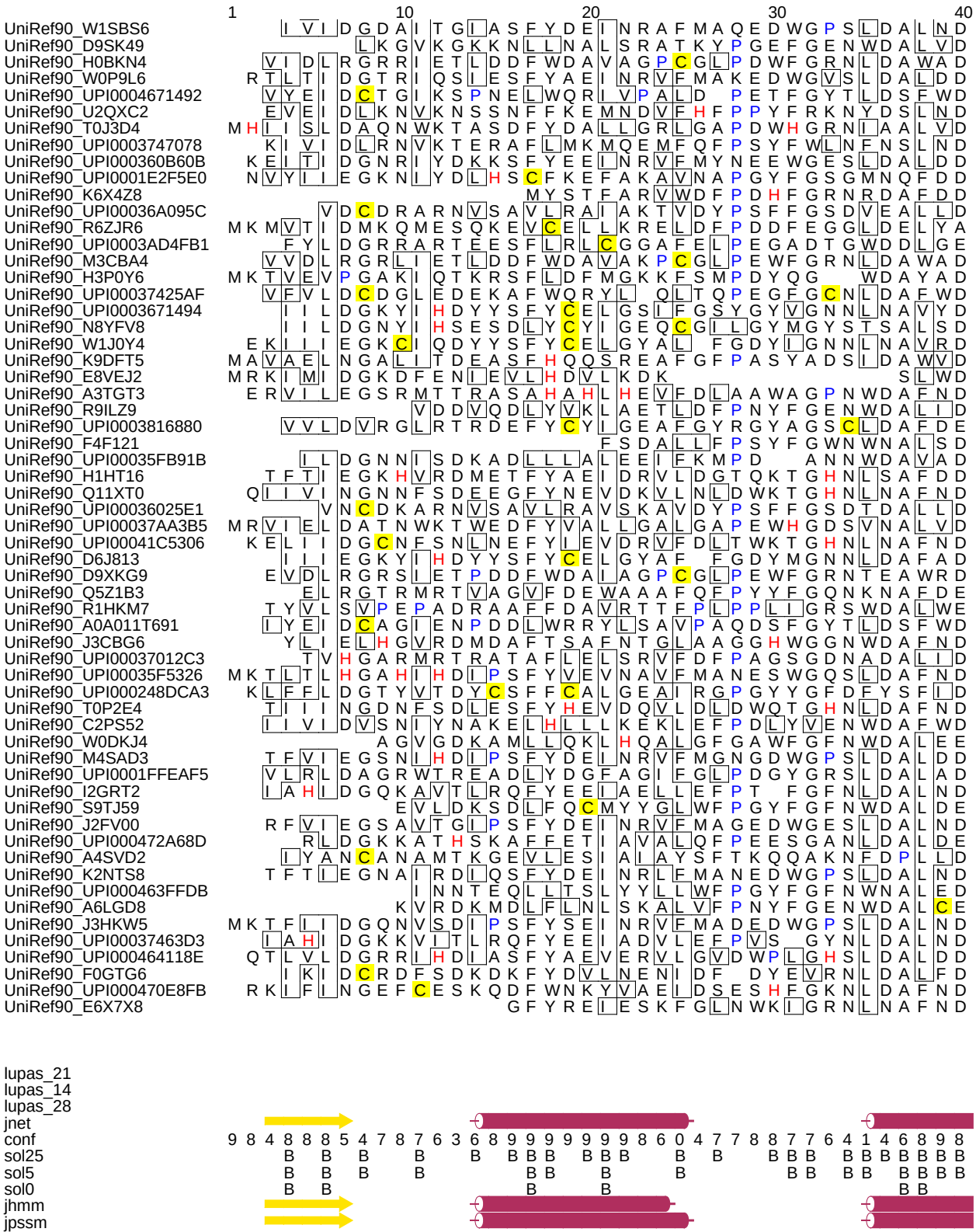

50
60
70
80
UniRef90_L8HKL3
UniRef90_E8U921
UniRef90_UPI0003B47322
UniRef90_UPI000464C444
UniRef90_S2Y0E2
UniRef90_UPI00040C42AF
UniRef90_A0A011NLS1
UniRef90_B4V4N1
UniRef90_N0E3A8
UniRef90_UPI0001C373EC
UniRef90_UPI0002894754
UniRef90_C7RPA7
UniRef90_UPI0003B69C06
UniRef90_F1YJT5
UniRef90_U5N5V0
UniRef90_V9C5W8
UniRef90_I2EUV8
UniRef90_UPI0003782365
UniRef90_H1QH31
UniRef90_UPI00037E203B
UniRef90_H6R1S1
UniRef90_UPI000289DBB8
UniRef90_R7XVM9
UniRef90_A0A016QLL0
UniRef90_E7RFV1
UniRef90_E8JZE1
UniRef90_V7IBK0
UniRef90_UPI0002E416B0
UniRef90_C6VV79
UniRef90_A0A023C110
UniRef90_T0DPF0
UniRef90_K9CY86
UniRef90_A8SXK3
UniRef90_L9PJX5
UniRef90_C6AUG9
UniRef90_N8QV88
UniRef90_H1G6F2
UniRef90_F2R7K5
UniRef90_L1MKS5
UniRef90_B6B1T6
UniRef90_UPI00034CB79A
UniRef90_UPI0004103D0E
UniRef90_A0A011QWU1
UniRef90_W0UZK8
UniRef90_D6A5V3
UniRef90_UPI00040C7519
UniRef90_M9VE22
UniRef90_L7K8A1
UniRef90_D0L295
UniRef90_V2BV87
UniRef90_L8EYR3
UniRef90_K6WP07
UniRef90_F7L2I6
UniRef90_A9F0U3
UniRef90_UPI000369FE86
UniRef90_UPI00036D2A05
UniRef90_U5VTF2
UniRef90_UPI000376D654
UniRef90_K4FIR7
UniRef90_V9WUR1
UniRef90_A8L3F9
UniRef90_U1QJH9
UniRef90_UPI00046322FC
UniRef90_C2XLG6
UniRef90_W8HD54
UniRef90_W9G865
UniRef90_C6D8M6
UniRef90_A0A034UFY5
UniRef90_H5THW9
UniRef90_F0SGR1
UniRef90_F8X4R6
UniRef90_H0QXP8
UniRef90_E4BEU3
UniRef90_B8HCS1
UniRef90_UPI0004630897
UniRef90_H6CGU7
UniRef90_UPI000470786B
UniRef90_E1ZM13
UniRef90_H6MXV6
UniRef90_U3U2X7
UniRef90_D5UUK9
UniRef90_G2JAG3
UniRef90_UPI0004092DEF
UniRef90_D7E2H4
UniRef90_UPI000346E3CD
UniRef90_UPI00037EC166
UniRef90_U7GYT6
UniRef90_D4HCQ6
UniRef90_Z9JIZ7
UniRef90_G8NS26
UniRef90_UPI0003AD4BDB
UniRef90_W9DJM0

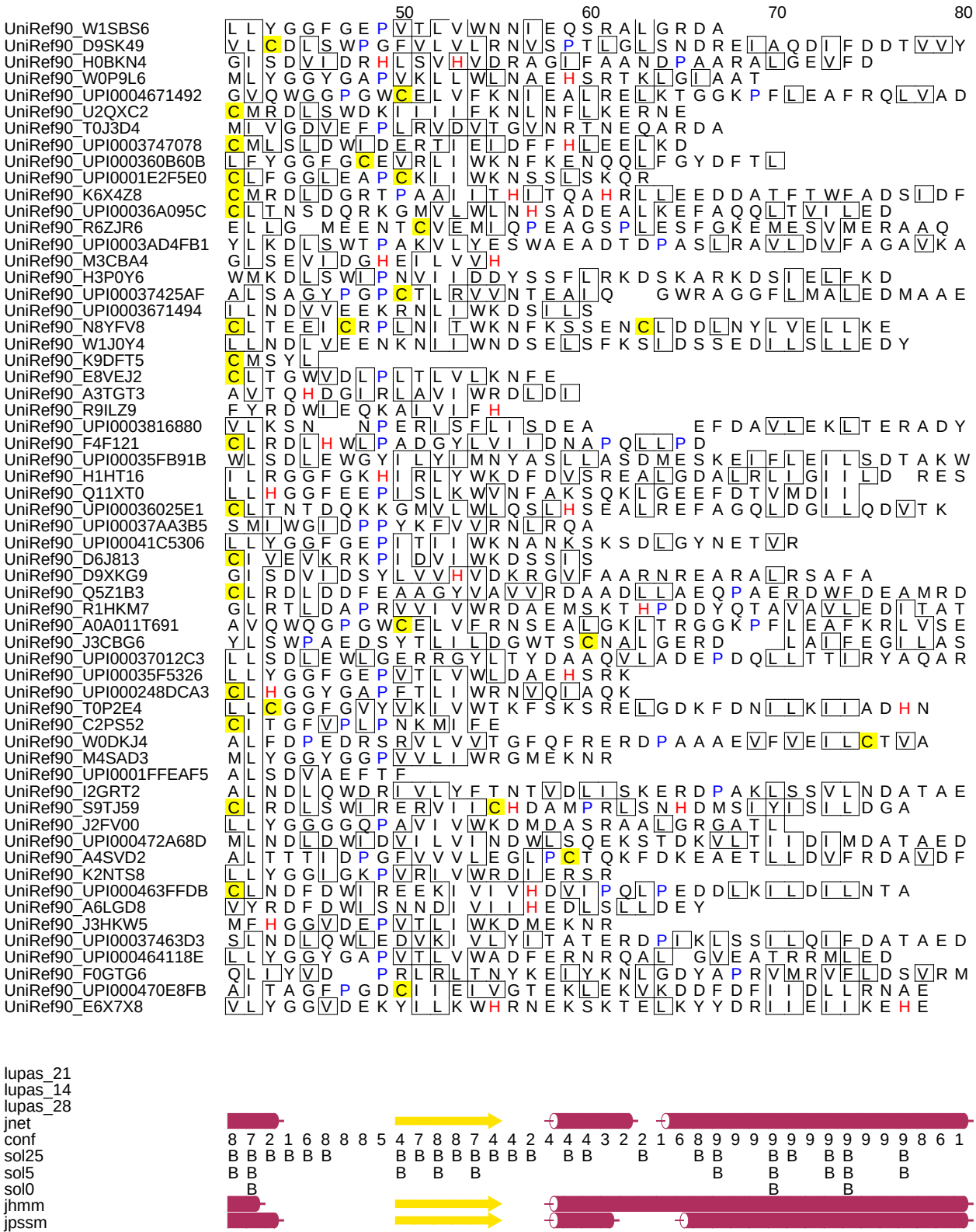

UniRef90_L8HKL3
UniRef90_E8U921
UniRef90_UPI0003B47322 W A
UniRef90_UPI000464C444
UniRef90_S2Y0E2
UniRef90_UPI00040C42AF F G R P Q L W
UniRef90_A0A011NLS1 W R A L
UniRef90_B4V4N1
UniRef90_N0E3A8 H P S I H V T L
UniRef90_UPI0001C373EC N C D C K L E I
UniRef90_UPI0002894754 D P R L R L F L D
UniRef90_C7RPA7 W
UniRef90_UPI0003B69C06
UniRef90_F1YJT5
UniRef90_U5N5V0 W G E K K V
UniRef90_V9C5W8
UniRef90_I2EUV8 W K W V E
UniRef90_UPI0003782365 Y D S L A V V L A
UniRef90_H1QH31
UniRef90_UPI00037E203B W K N
UniRef90_H6R1S1 T A D
UniRef90_UPI000289DBB8
UniRef90_R7XVM9
UniRef90_A0A016QLL0 G R A L
UniRef90_E7RFV1
UniRef90_E8JZE1 N N H E K I V
UniRef90_V7IBK0
UniRef90_UPI0002E416B0
UniRef90_C6VV79 W K W L
UniRef90_A0A023C110
UniRef90_T0DPF0 Y S E F Q F Y V N
UniRef90_K9CY86 Y G
UniRef90_A8SXK3 N K Y L E L
UniRef90_L9PJX5
UniRef90_C6AUG9
UniRef90_N8QV88 N A D L K I
UniRef90_H1G6F2
UniRef90_F2R7K5 Q D G M R V V L A
UniRef90_L1MKS5 W R D V Q I E L A
UniRef90_B6B1T6
UniRef90_UPI00034CB79A
UniRef90_UPI0004103D0E
UniRef90_A0A011QWU1 W
UniRef90_W0UZK8
UniRef90_D6A5V3 T A N F
UniRef90_UPI00040C7519
UniRef90_M9VE22 L D G F A F L L G
UniRef90_L7K8A1 G R T F A V I L S
UniRef90_D0L295
UniRef90_V2BV87
UniRef90_L8EYR3 L E E K R V E V
UniRef90_K6WP07
UniRef90_F7L2I6
UniRef90_A9F0U3 S T F V K V T L
UniRef90_UPI000369FE86
UniRef90_UPI00036D2A05
UniRef90_U5VTF2 D E E
UniRef90_UPI000376D654
UniRef90_K4FIR7
UniRef90_V9WUR1 W G
UniRef90_A8L3F9
UniRef90_U1QJH9 H K G I
UniRef90_UPI00046322FC R A S F R V V L
UniRef90_C2XLG6 M P G K F Y I V
UniRef90_W8HD54
UniRef90_W9G865 R E D L
UniRef90_C6D8M6
UniRef90_A0A034UFY5
UniRef90_H5THW9
UniRef90_F0SGR1
UniRef90_F8X4R6 E H Q F E V I F
UniRef90_H0QXP8
UniRef90_E4BEU3
UniRef90_B8HCS1 G K D L R V
UniRef90_UPI0004630897 W S S L
UniRef90_H6CGU7
UniRef90_UPI000470786B
UniRef90_E1ZM13 G A R L E V A L
UniRef90_H6MXV6
UniRef90_U3U2X7
UniRef90_D5UUK9 R G V Q V L L S
UniRef90_G2JAG3 W A D R Q V Q F
UniRef90_UPI0004092DEF F G K P Q L W I
UniRef90_D7E2H4
UniRef90_UPI000346E3CD
UniRef90_UPI00037EC166
UniRef90_U7GYT6
UniRef90_D4HCQ6
UniRef90_Z9JIZ7 W A
UniRef90_G8NS26
UniRef90_UPI0003AD4BDB
UniRef90_W9DJM0


1
10
20
30
40
UniRef90_H8GYY0
UniRef90_UPI00035CE215
UniRef90_G4E1W3
UniRef90_A0A011QD87
UniRef90_UPI00047D3ADC
UniRef90_C1CVN3
UniRef90_E0IAD3
UniRef90_A1TSG4
UniRef90_UPI00047BA7E4
UniRef90_W8AXW8
UniRef90_UPI00037AC3F1
UniRef90_K9DVU0
UniRef90_V7DXK2
UniRef90_F8FD72
UniRef90_L0DZM2
UniRef90_I3UA29
UniRef90_UPI0004686792
UniRef90_UPI00031E9554
UniRef90_UPI000380B7AB
UniRef90_D1BIQ3
UniRef90_K0ENN6
UniRef90_Q3KEM4
UniRef90_C5UVI8
UniRef90_UPI0002EC7F6E
UniRef90_K4QZ78
UniRef90_A0A028YYH5
UniRef90_G4QCA4
UniRef90_N9YJH4
UniRef90_UPI00035C7B9A
UniRef90_UPI00046E8996
UniRef90_UPI0004760DF4
UniRef90_K4QXE4
UniRef90_W5T9X8
UniRef90_B2PX60
UniRef90_I0K2W9
UniRef90_G7GUM0
UniRef90_UPI000381BEE8
UniRef90_A0A011UC58
UniRef90_L9PFL5
UniRef90_N9EBQ0
UniRef90_U5EKF1
UniRef90_V8G0Z8
UniRef90_W6K3Z7
UniRef90_R2SL69
UniRef90_C6RCL3
UniRef90_J7KS25
UniRef90_Q9RX63
UniRef90_D7IH84
UniRef90_R7I452
UniRef90_V5AJ83
UniRef90_D2V8V9
UniRef90_D5SU93
UniRef90_UPI00041B7D76
UniRef90_S9T1V0
UniRef90_UPI0003B60880
UniRef90_W8PE65
UniRef90_F0K9I3
UniRef90_C2M6A2
UniRef90_V6L224
UniRef90_UPI0003746236
UniRef90_V6MJB5
UniRef90_G7VXP9
UniRef90_UPI00047D890F
UniRef90_UPI0003615393
UniRef90_UPI0003B4F938
UniRef90_W1J8G9
UniRef90_F4F9G7
UniRef90_W8R420
UniRef90_H5X1V7
UniRef90_R8L7W4
UniRef90_UPI000471ED2E
UniRef90_A9BSS1
UniRef90_R5APY3
UniRef90_G7UT67
UniRef90_W1UWC5
UniRef90_M1ZDD9
UniRef90_UPI000248DC9B
UniRef90_V2Y830
UniRef90_U4VKX7
UniRef90_Q6UB13
UniRef90_F0II63
UniRef90_UPI000470B8E3
UniRef90_UPI000364DFF0
UniRef90_A0A014CFQ0
UniRef90_A0A031M7H6
UniRef90_U5WX33
UniRef90_E9SFG3
UniRef90_C0ZWI2
UniRef90_E4RRS7
UniRef90_R5JE71
UniRef90_J6IK32
UniRef90_F9F0R5


50
60
70
80
UniRef90_H8GYY0
UniRef90_UPI00035CE215
UniRef90_G4E1W3
UniRef90_A0A011QD87
UniRef90_UPI00047D3ADC
UniRef90_C1CVN3
UniRef90_E0IAD3
UniRef90_A1TSG4
UniRef90_UPI00047BA7E4
UniRef90_W8AXW8
UniRef90_UPI00037AC3F1
UniRef90_K9DVU0
UniRef90_V7DXK2
UniRef90_F8FD72
UniRef90_L0DZM2
UniRef90_I3UA29
UniRef90_UPI0004686792
UniRef90_UPI00031E9554
UniRef90_UPI000380B7AB
UniRef90_D1BIQ3
UniRef90_K0ENN6
UniRef90_Q3KEM4
UniRef90_C5UVI8
UniRef90_UPI0002EC7F6E
UniRef90_K4QZ78
UniRef90_A0A028YYH5
UniRef90_G4QCA4
UniRef90_N9YJH4
UniRef90_UPI00035C7B9A
UniRef90_UPI00046E8996
UniRef90_UPI0004760DF4
UniRef90_K4QXE4
UniRef90_W5T9X8
UniRef90_B2PX60
UniRef90_I0K2W9
UniRef90_G7GUM0
UniRef90_UPI000381BEE8
UniRef90_A0A011UC58
UniRef90_L9PFL5
UniRef90_N9EBQ0
UniRef90_U5EKF1
UniRef90_V8G0Z8
UniRef90_W6K3Z7
UniRef90_R2SL69
UniRef90_C6RCL3
UniRef90_J7KS25
UniRef90_Q9RX63
UniRef90_D7IH84
UniRef90_R7I452
UniRef90_V5AJ83
UniRef90_D2V8V9
UniRef90_D5SU93
UniRef90_UPI00041B7D76
UniRef90_S9T1V0
UniRef90_UPI0003B60880
UniRef90_W8PE65
UniRef90_F0K9I3
UniRef90_C2M6A2
UniRef90_V6L224
UniRef90_UPI0003746236
UniRef90_V6MJB5
UniRef90_G7VXP9
UniRef90_UPI00047D890F
UniRef90_UPI0003615393
UniRef90_UPI0003B4F938
UniRef90_W1J8G9
UniRef90_F4F9G7
UniRef90_W8R420
UniRef90_H5X1V7
UniRef90_R8L7W4
UniRef90_UPI000471ED2E
UniRef90_A9BSS1
UniRef90_R5APY3
UniRef90_G7UT67
UniRef90_W1UWC5
UniRef90_M1ZDD9
UniRef90_UPI000248DC9B
UniRef90_V2Y830
UniRef90_U4VKX7
UniRef90_Q6UB13
UniRef90_F0II63
UniRef90_UPI000470B8E3
UniRef90_UPI000364DFF0
UniRef90_A0A014CFQ0
UniRef90_A0A031M7H6
UniRef90_U5WX33
UniRef90_E9SFG3
UniRef90_C0ZWI2
UniRef90_E4RRS7
UniRef90_R5JE71
UniRef90_J6IK32
UniRef90_F9F0R5

UniRef90_H8GYY0 A A G
UniRef90_UPI00035CE215
UniRef90_G4E1W3
UniRef90_A0A011QD87 W
UniRef90_UPI00047D3ADC W Q E
UniRef90_C1CVN3
UniRef90_E0IAD3
UniRef90_A1TSG4 R K E F K V L I
UniRef90_UPI00047BA7E4 W R D
UniRef90_W8AXW8
UniRef90_UPI00037AC3F1 W K E R R
UniRef90_K9DVU0 W A E K K V
UniRef90_V7DXK2 G H E I E V V F
UniRef90_F8FD72
UniRef90_L0DZM2
UniRef90_I3UA29 G D D
UniRef90_UPI0004686792 V P E G Q F R L N
UniRef90_UPI00031E9554
UniRef90_UPI000380B7AB R P D F Q A R I D
UniRef90_D1BIQ3
UniRef90_K0ENN6 W S G F R V V L
UniRef90_Q3KEM4 D V N F
UniRef90_C5UVI8
UniRef90_UPI0002EC7F6E
UniRef90_K4QZ78 T E S I S L F
UniRef90_A0A028YYH5 K H Q L E V Y F N
UniRef90_G4QCA4
UniRef90_N9YJH4 G H D C T L E
UniRef90_UPI00035C7B9A
UniRef90_UPI00046E8996
UniRef90_UPI0004760DF4 W M E K K V
UniRef90_K4QXE4
UniRef90_W5T9X8 W A R R A V A F
UniRef90_B2PX60
UniRef90_I0K2W9 W
UniRef90_G7GUM0
UniRef90_UPI000381BEE8
UniRef90_A0A011UC58 G Y D C K L E L
UniRef90_L9PFL5 W A D K K V
UniRef90_N9EBQ0 Y S K L Q L I
UniRef90_U5EKF1 W S R R D V V F
UniRef90_V8G0Z8 K K I F A F V V
UniRef90_W6K3Z7
UniRef90_R2SL69
UniRef90_C6RCL3
UniRef90_J7KS25 L H Q L E I V F D
UniRef90_Q9RX63
UniRef90_D7IH84
UniRef90_R7I452
UniRef90_V5AJ83 W S D R K V
UniRef90_D2V8V9
UniRef90_D5SU93 W
UniRef90_UPI00041B7D76 G K N L A V I
UniRef90_S9T1V0
UniRef90_UPI0003B60880
UniRef90_W8PE65 W A E
UniRef90_F0K9I3
UniRef90_C2M6A2
UniRef90_V6L224 W A
UniRef90_UPI0003746236
UniRef90_V6MJB5
UniRef90_G7VXP9
UniRef90_UPI00047D890F W E
UniRef90_UPI0003615393
UniRef90_UPI0003B4F938
UniRef90_W1J8G9 Y G F K V E F
UniRef90_F4F9G7
UniRef90_W8R420 S P Q V R V A L S
UniRef90_H5X1V7
UniRef90_R8L7W4 W A
UniRef90_UPI000471ED2E H S G S E I I I
UniRef90_A9BSS1 N H D F Q V Y F D
UniRef90_R5APY3
UniRef90_G7UT67 W
UniRef90_W1UWC5 G H D C T L E
UniRef90_M1ZDD9
UniRef90_UPI000248DC9B
UniRef90_V2Y830 N E N I K L V
UniRef90_U4VKX7 T D R I T I R L S
UniRef90_Q6UB13
UniRef90_F0II63
UniRef90_UPI000470B8E3 W
UniRef90_UPI000364DFF0 W A D R K V A F
UniRef90_A0A014CFQ0
UniRef90_A0A031M7H6
UniRef90_U5WX33
UniRef90_E9SFG3
UniRef90_C0ZWI2 W E
UniRef90_E4RRS7
UniRef90_R5JE71
UniRef90_J6IK32
UniRef90_F9F0R5


1
10
20
30
40
UniRef90_W1SBS6
UniRef90_D9SK49
UniRef90_H0BKN4
UniRef90_W0P9L6
UniRef90_UPI0004671492
UniRef90_U2QXC2
UniRef90_T0J3D4
UniRef90_UPI0003747078
UniRef90_UPI000360B60B
UniRef90_UPI0001E2F5E0
UniRef90_K6X4Z8
UniRef90_UPI00036A095C
UniRef90_R6ZJR6
UniRef90_UPI0003AD4FB1
UniRef90_M3CBA4
UniRef90_H3P0Y6
UniRef90_UPI00037425AF
UniRef90_UPI0003671494
UniRef90_N8YFV8
UniRef90_W1J0Y4
UniRef90_K9DFT5
UniRef90_E8VEJ2
UniRef90_A3TGT3
UniRef90_R9ILZ9
UniRef90_UPI0003816880
UniRef90_F4F121
UniRef90_UPI00035FB91B
UniRef90_H1HT16
UniRef90_Q11XT0
UniRef90_UPI00036025E1
UniRef90_UPI00037AA3B5
UniRef90_UPI00041C5306
UniRef90_D6J813
UniRef90_D9XKG9
UniRef90_Q5Z1B3
UniRef90_R1HKM7
UniRef90_A0A011T691
UniRef90_J3CBG6
UniRef90_UPI00037012C3
UniRef90_UPI00035F5326
UniRef90_UPI000248DCA3
UniRef90_T0P2E4
UniRef90_C2PS52
UniRef90_W0DKJ4
UniRef90_M4SAD3
UniRef90_UPI0001FFEAF5
UniRef90_I2GRT2
UniRef90_S9TJ59
UniRef90_J2FV00
UniRef90_UPI000472A68D
UniRef90_A4SVD2
UniRef90_K2NTS8
UniRef90_UPI000463FFDB
UniRef90_A6LGD8
UniRef90_J3HKW5
UniRef90_UPI00037463D3
UniRef90_UPI000464118E
UniRef90_F0GTG6
UniRef90_UPI000470E8FB
UniRef90_E6X7X8
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


50
60
70
80
UniRef90_W1SBS6
UniRef90_D9SK49
UniRef90_H0BKN4
UniRef90_W0P9L6
UniRef90_UPI0004671492
UniRef90_U2QXC2
UniRef90_T0J3D4
UniRef90_UPI0003747078
UniRef90_UPI000360B60B
UniRef90_UPI0001E2F5E0
UniRef90_K6X4Z8
UniRef90_UPI00036A095C
UniRef90_R6ZJR6
UniRef90_UPI0003AD4FB1
UniRef90_M3CBA4
UniRef90_H3P0Y6
UniRef90_UPI00037425AF
UniRef90_UPI0003671494
UniRef90_N8YFV8
UniRef90_W1J0Y4
UniRef90_K9DFT5
UniRef90_E8VEJ2
UniRef90_A3TGT3
UniRef90_R9ILZ9
UniRef90_UPI0003816880
UniRef90_F4F121
UniRef90_UPI00035FB91B
UniRef90_H1HT16
UniRef90_Q11XT0
UniRef90_UPI00036025E1
UniRef90_UPI00037AA3B5
UniRef90_UPI00041C5306
UniRef90_D6J813
UniRef90_D9XKG9
UniRef90_Q5Z1B3
UniRef90_R1HKM7
UniRef90_A0A011T691
UniRef90_J3CBG6
UniRef90_UPI00037012C3
UniRef90_UPI00035F5326
UniRef90_UPI000248DCA3
UniRef90_T0P2E4
UniRef90_C2PS52
UniRef90_W0DKJ4
UniRef90_M4SAD3
UniRef90_UPI0001FFEAF5
UniRef90_I2GRT2
UniRef90_S9TJ59
UniRef90_J2FV00
UniRef90_UPI000472A68D
UniRef90_A4SVD2
UniRef90_K2NTS8
UniRef90_UPI000463FFDB
UniRef90_A6LGD8
UniRef90_J3HKW5
UniRef90_UPI00037463D3
UniRef90_UPI000464118E
UniRef90_F0GTG6
UniRef90_UPI000470E8FB
UniRef90_E6X7X8
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm

UniRef90_W1SBS6
UniRef90_D9SK49 W R Q R N I
UniRef90_H0BKN4
UniRef90_W0P9L6
UniRef90_UPI0004671492 T D R V K I R L
UniRef90_U2QXC2
UniRef90_T0J3D4
UniRef90_UPI0003747078
UniRef90_UPI000360B60B
UniRef90_UPI0001E2F5E0
UniRef90_K6X4Z8 Y R D
UniRef90_UPI00036A095C
UniRef90_R6ZJR6
UniRef90_UPI0003AD4FB1 W R D
UniRef90_M3CBA4
UniRef90_H3P0Y6
UniRef90_UPI00037425AF L P
UniRef90_UPI0003671494
UniRef90_N8YFV8
UniRef90_W1J0Y4
UniRef90_K9DFT5
UniRef90_E8VEJ2
UniRef90_A3TGT3
UniRef90_R9ILZ9
UniRef90_UPI0003816880 A H L F K Q I L
UniRef90_F4F121
UniRef90_UPI00035FB91B W A G
UniRef90_H1HT16 G H D C K L E F
UniRef90_Q11XT0
UniRef90_UPI00036025E1
UniRef90_UPI00037AA3B5
UniRef90_UPI00041C5306
UniRef90_D6J813
UniRef90_D9XKG9
UniRef90_Q5Z1B3 C A D
UniRef90_R1HKM7 L A D
UniRef90_A0A011T691 T D R I V V R F A
UniRef90_J3CBG6 N P H V L V R L
UniRef90_UPI00037012C3 W N D
UniRef90_UPI00035F5326
UniRef90_UPI000248DCA3
UniRef90_T0P2E4
UniRef90_C2PS52
UniRef90_W0DKJ4
UniRef90_M4SAD3
UniRef90_UPI0001FFEAF5
UniRef90_I2GRT2
UniRef90_S9TJ59
UniRef90_J2FV00
UniRef90_UPI000472A68D W
UniRef90_A4SVD2 W A E R R
UniRef90_K2NTS8
UniRef90_UPI000463FFDB
UniRef90_A6LGD8
UniRef90_J3HKW5
UniRef90_UPI00037463D3 W K W V E
UniRef90_UPI000464118E
UniRef90_F0GTG6 Y D
UniRef90_UPI000470E8FB
UniRef90_E6X7X8

lupas_21
lupas_14
lupas_28
jnet
conf 7 9 7 4 8 8 7 1 7
sol25 B B B B B
sol5 B B B
sol0 B
jhmm
jpssm