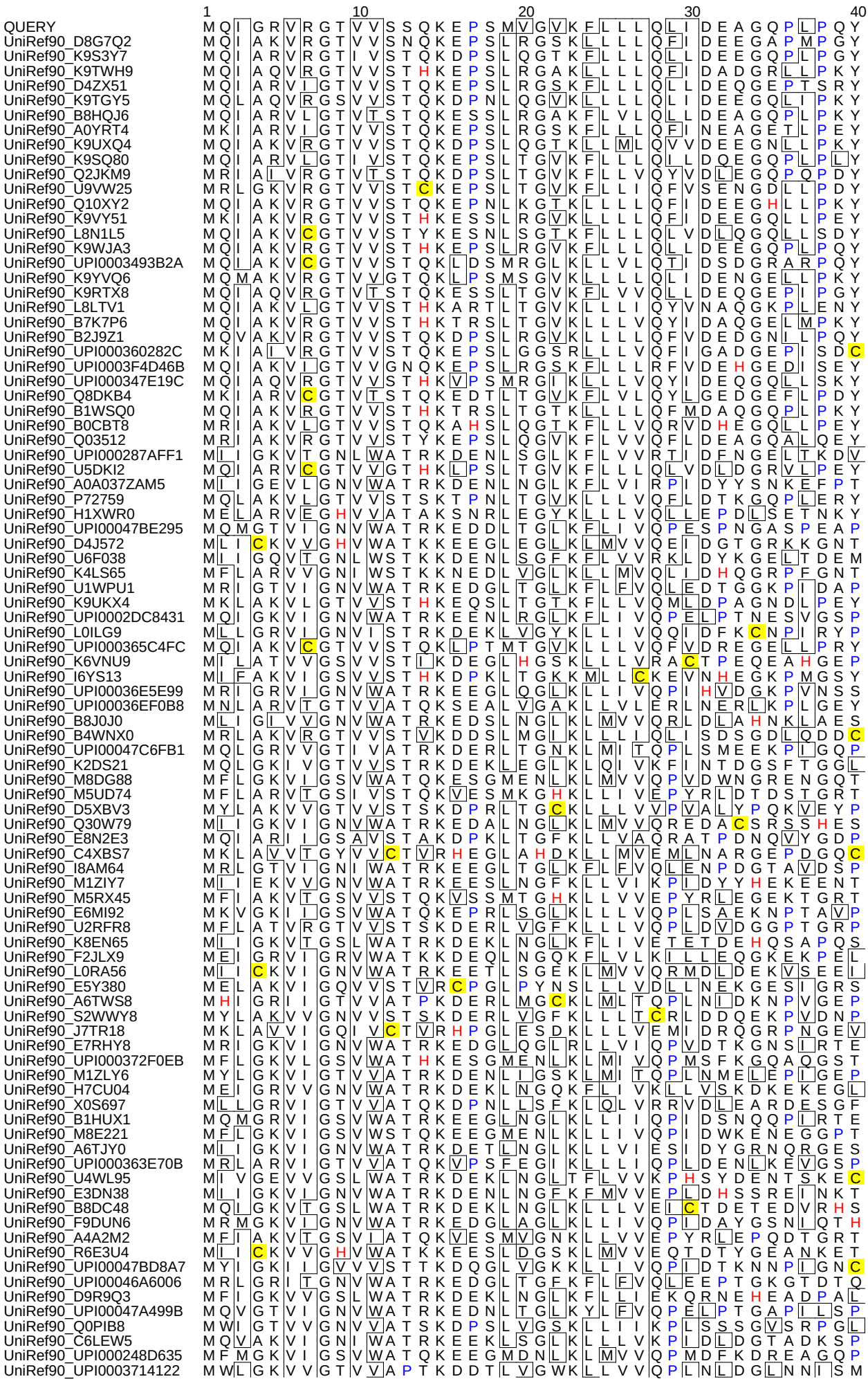
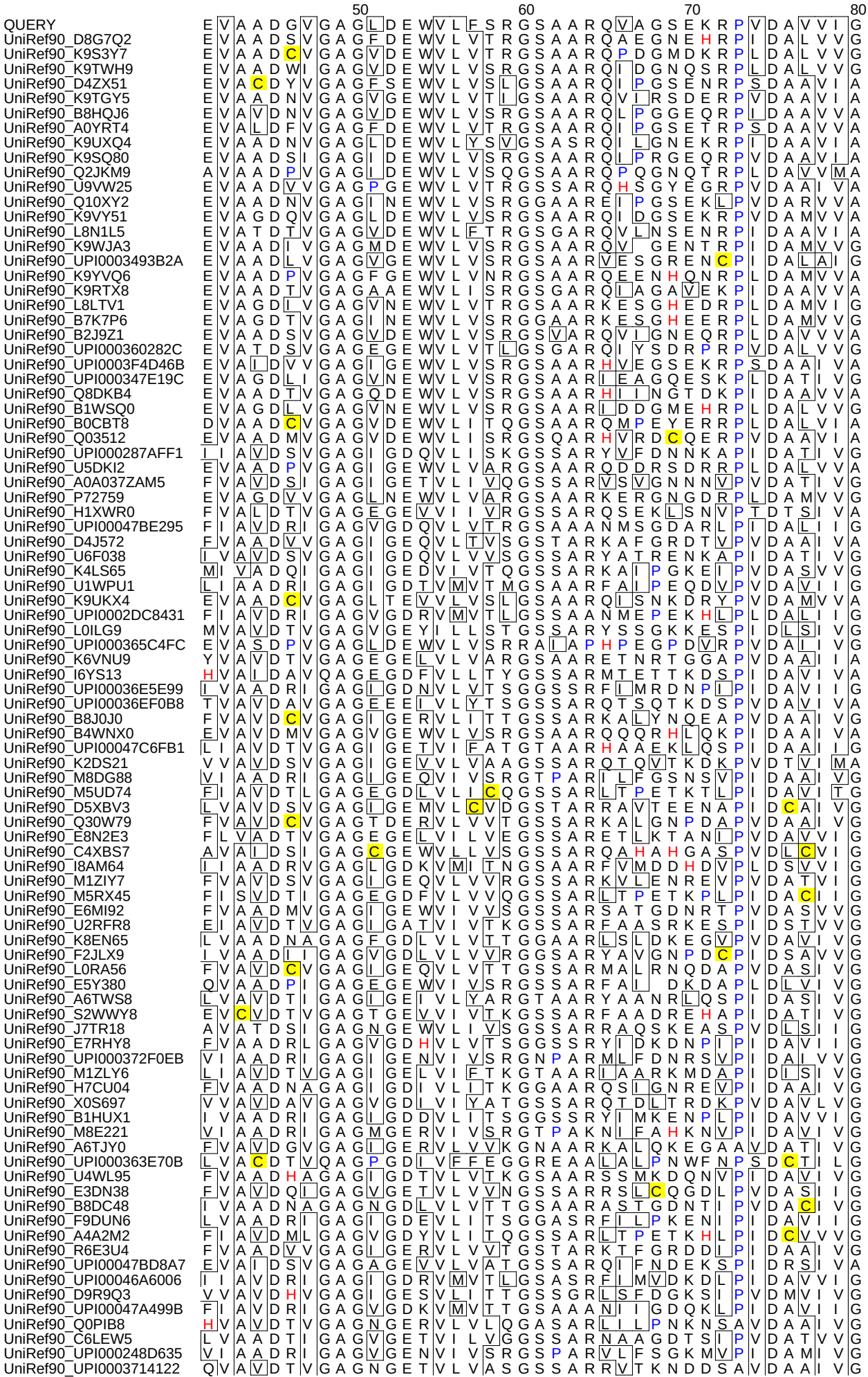
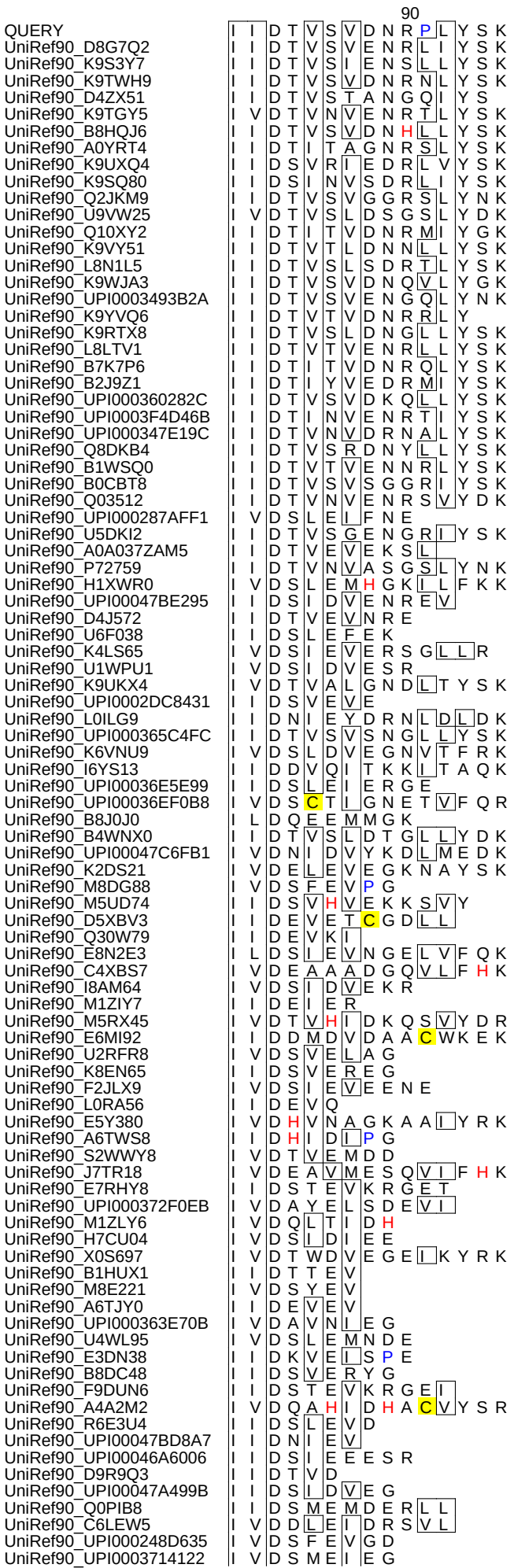
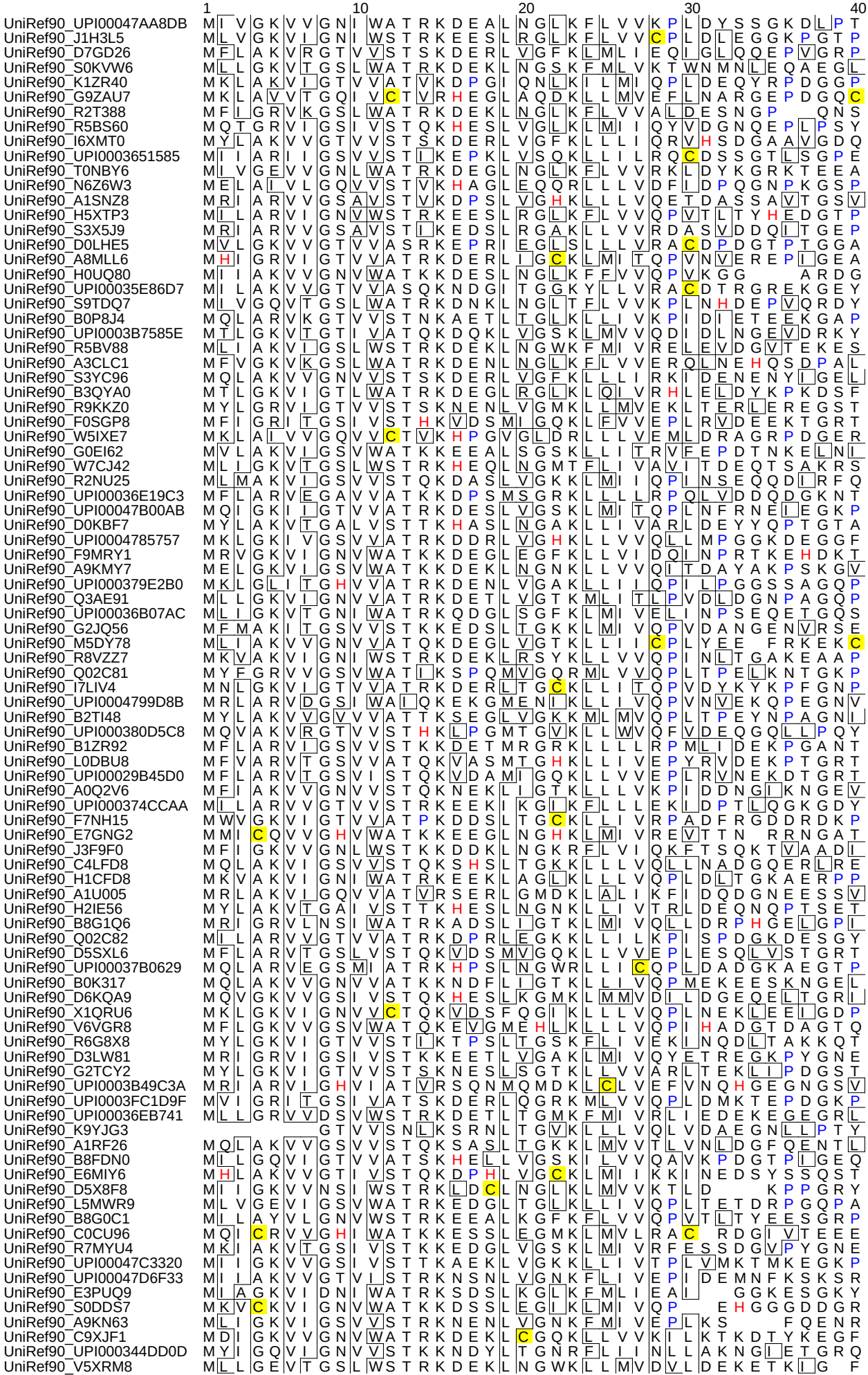
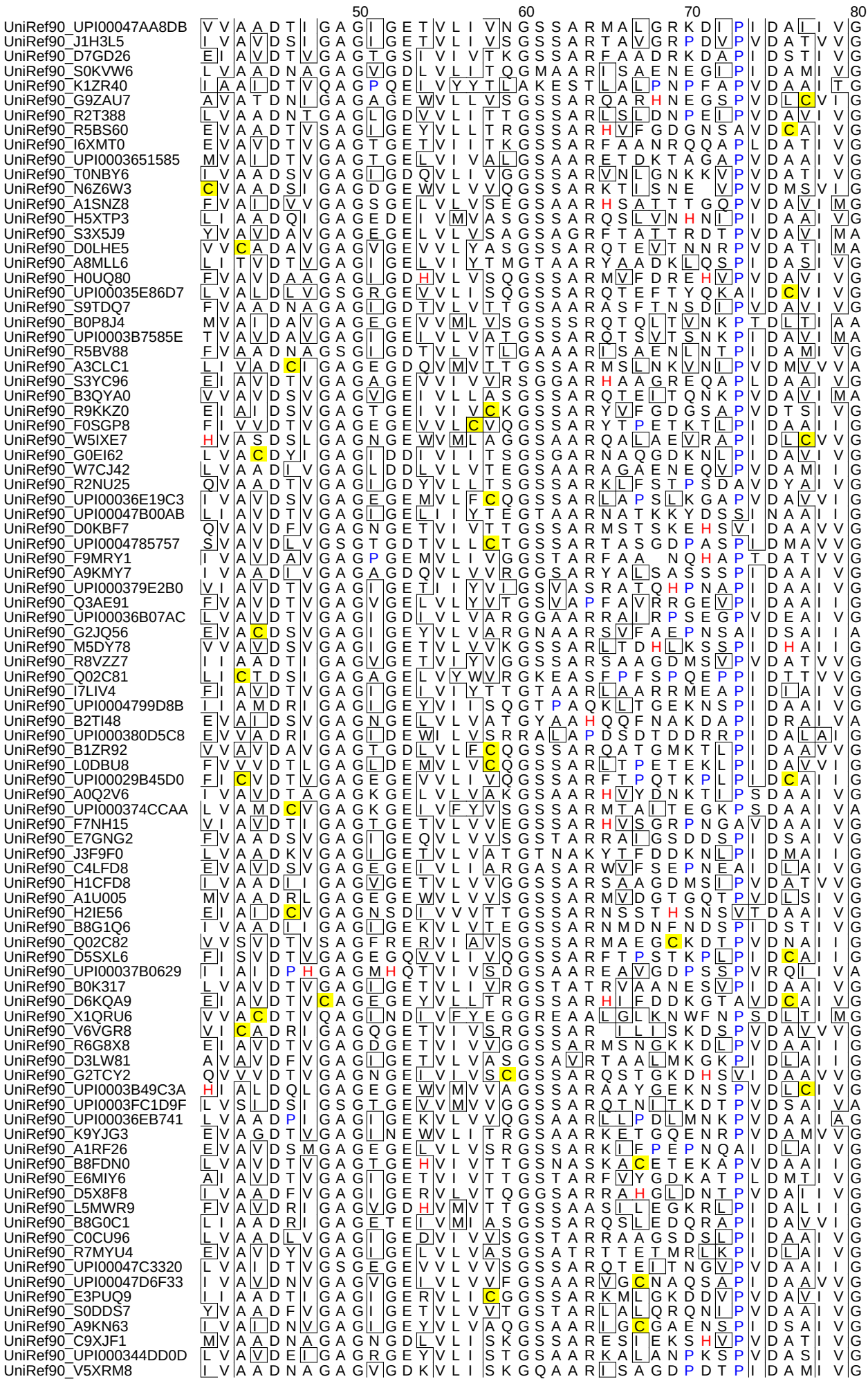
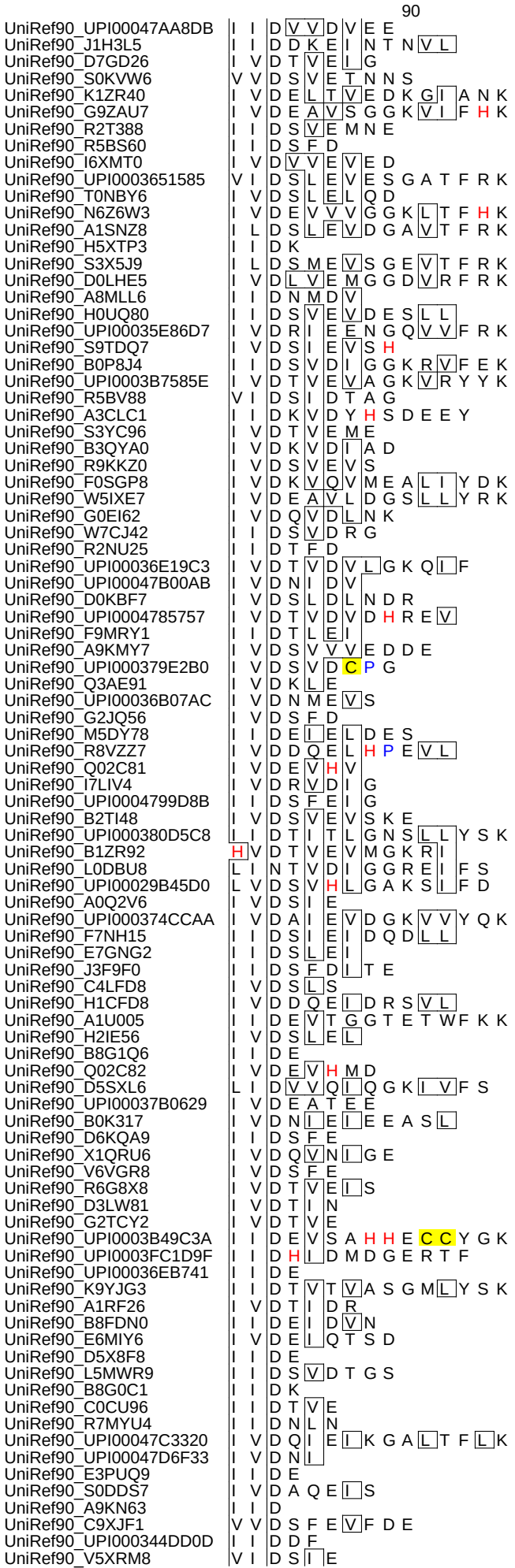

1
10
20
30
40
QUERY
UniRef90_D8G7Q2
UniRef90_K9S3Y7
UniRef90_K9TWH9
UniRef90_D4ZX51
UniRef90_K9TGY5
UniRef90_B8HQJ6
UniRef90_A0YRT4
UniRef90_K9UXQ4
UniRef90_K9SQ80
UniRef90_Q2JKM9
UniRef90_U9VW25
UniRef90_Q10XY2
UniRef90_K9VY51
UniRef90_L8N1L5
UniRef90_K9WJA3
UniRef90_UPI0003493B2A
UniRef90_K9YVQ6
UniRef90_K9RTX8
UniRef90_L8LTV1
UniRef90_B7K7P6
UniRef90_B2J9Z1
UniRef90_UPI000360282C
UniRef90_UPI0003F4D46B
UniRef90_UPI000347E19C
UniRef90_Q8DKB4
UniRef90_B1WSQ0
UniRef90_B0CBT8
UniRef90_Q03512
UniRef90_UPI000287AFF1
UniRef90_U5DKI2
UniRef90_A0A037ZAM5
UniRef90_P72759
UniRef90_H1XWR0
UniRef90_UPI00047BE295
UniRef90_D4J572
UniRef90_U6F038
UniRef90_K4LS65
UniRef90_U1WPU1
UniRef90_K9UKX4
UniRef90_UPI0002DC8431
UniRef90_L0ILG9
UniRef90_UPI000365C4FC
UniRef90_K6VNU9
UniRef90_I6YS13
UniRef90_UPI00036E5E99
UniRef90_UPI00036EF0B8
UniRef90_B8J0J0
UniRef90_B4WNX0
UniRef90_UPI00047C6FB1
UniRef90_K2DS21
UniRef90_M8DG88
UniRef90_M5UD74
UniRef90_D5XBV3
UniRef90_Q30W79
UniRef90_E8N2E3
UniRef90_C4XBS7
UniRef90_I8AM64
UniRef90_M1ZIY7
UniRef90_M5RX45
UniRef90_E6MI92
UniRef90_U2RFR8
UniRef90_K8EN65
UniRef90_F2JLX9
UniRef90_L0RA56
UniRef90_E5Y380
UniRef90_A6TWS8
UniRef90_S2WWY8
UniRef90_J7TR18
UniRef90_E7RHY8
UniRef90_UPI000372F0EB
UniRef90_M1ZLY6
UniRef90_H7CU04
UniRef90_X0S697
UniRef90_B1HUX1
UniRef90_M8E221
UniRef90_A6TJY0
UniRef90_UPI000363E70B
UniRef90_U4WL95
UniRef90_E3DN38
UniRef90_B8DC48
UniRef90_F9DUN6
UniRef90_A4A2M2
UniRef90_R6E3U4
UniRef90_UPI00047BD8A7
UniRef90_UPI00046A6006
UniRef90_D9R9Q3
UniRef90_UPI00047A499B
UniRef90_Q0PIB8
UniRef90_C6LEW5
UniRef90_UPI000248D635
UniRef90_UPI0003714122

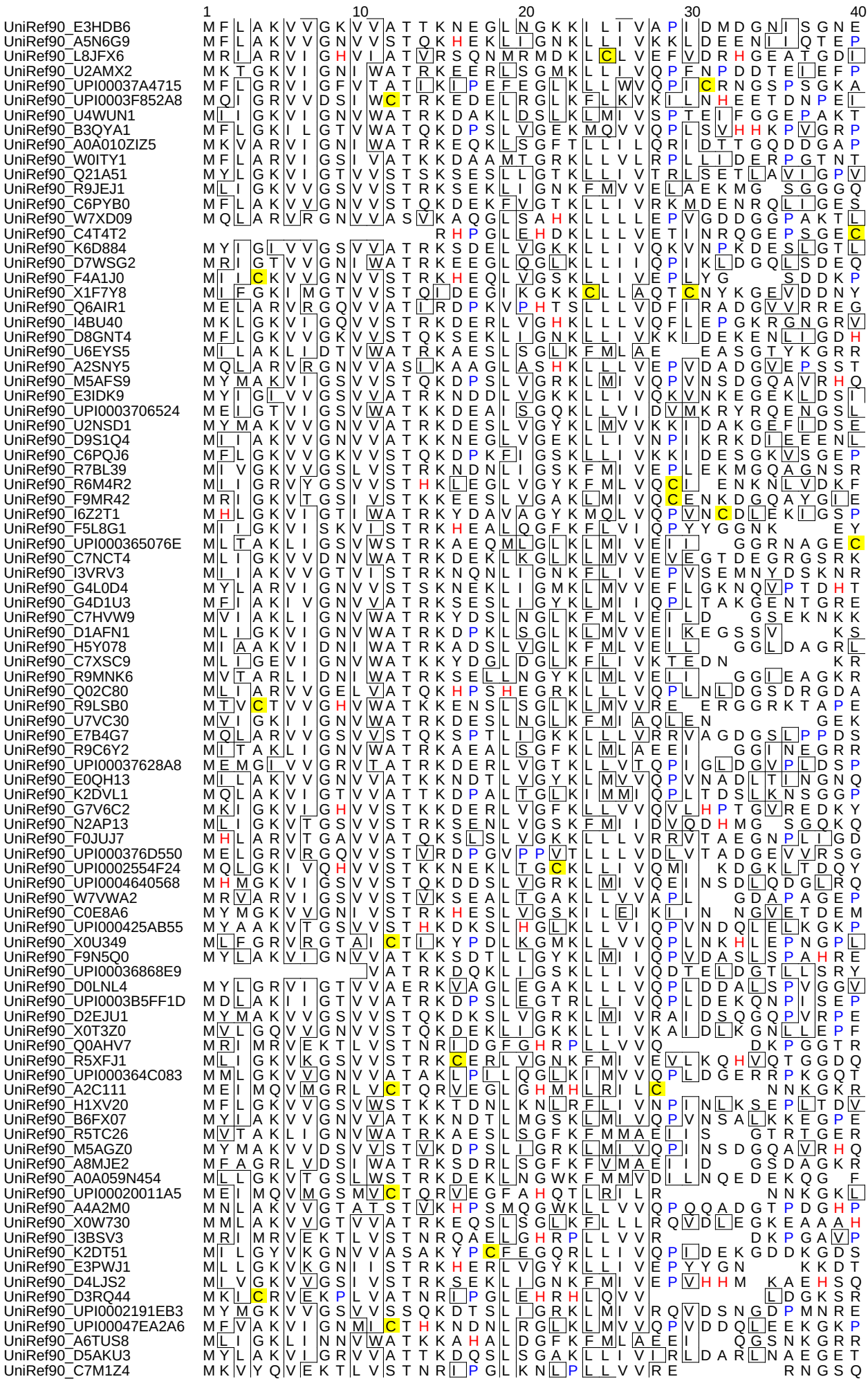

50
60
70
80
QUERY
UniRef90_D8G7Q2
UniRef90_K9S3Y7
UniRef90_K9TWH9
UniRef90_D4ZX51
UniRef90_K9TGY5
UniRef90_B8HQJ6
UniRef90_A0YRT4
UniRef90_K9UXQ4
UniRef90_K9SQ80
UniRef90_Q2JKM9
UniRef90_U9VW25
UniRef90_Q10XY2
UniRef90_K9VY51
UniRef90_L8N1L5
UniRef90_K9WJA3
UniRef90_UPI0003493B2A
UniRef90_K9YVQ6
UniRef90_K9RTX8
UniRef90_L8LTV1
UniRef90_B7K7P6
UniRef90_B2J9Z1
UniRef90_UPI000360282C
UniRef90_UPI0003F4D46B
UniRef90_UPI000347E19C
UniRef90_Q8DKB4
UniRef90_B1WSQ0
UniRef90_B0CBT8
UniRef90_Q03512
UniRef90_UPI000287AFF1
UniRef90_U5DKI2
UniRef90_A0A037ZAM5
UniRef90_P72759
UniRef90_H1XWR0
UniRef90_UPI00047BE295
UniRef90_D4J572
UniRef90_U6F038
UniRef90_K4LS65
UniRef90_U1WPU1
UniRef90_K9UKX4
UniRef90_UPI0002DC8431
UniRef90_L0ILG9
UniRef90_UPI000365C4FC
UniRef90_K6VNU9
UniRef90_I6YS13
UniRef90_UPI00036E5E99
UniRef90_UPI00036EF0B8
UniRef90_B8J0J0
UniRef90_B4WNX0
UniRef90_UPI00047C6FB1
UniRef90_K2DS21
UniRef90_M8DG88
UniRef90_M5UD74
UniRef90_D5XBV3
UniRef90_Q30W79
UniRef90_E8N2E3
UniRef90_C4XBS7
UniRef90_I8AM64
UniRef90_M1ZIY7
UniRef90_M5RX45
UniRef90_E6MI92
UniRef90_U2RFR8
UniRef90_K8EN65
UniRef90_F2JLX9
UniRef90_L0RA56
UniRef90_E5Y380
UniRef90_A6TWS8
UniRef90_S2WWY8
UniRef90_J7TR18
UniRef90_E7RHY8
UniRef90_UPI000372F0EB
UniRef90_M1ZLY6
UniRef90_H7CU04
UniRef90_X0S697
UniRef90_B1HUX1
UniRef90_M8E221
UniRef90_A6TJY0
UniRef90_UPI000363E70B
UniRef90_U4WL95
UniRef90_E3DN38
UniRef90_B8DC48
UniRef90_F9DUN6
UniRef90_A4A2M2
UniRef90_R6E3U4
UniRef90_UPI00047BD8A7
UniRef90_UPI00046A6006
UniRef90_D9R9Q3
UniRef90_UPI00047A499B
UniRef90_Q0PIB8
UniRef90_C6LEW5
UniRef90_UPI000248D635
UniRef90_UPI0003714122

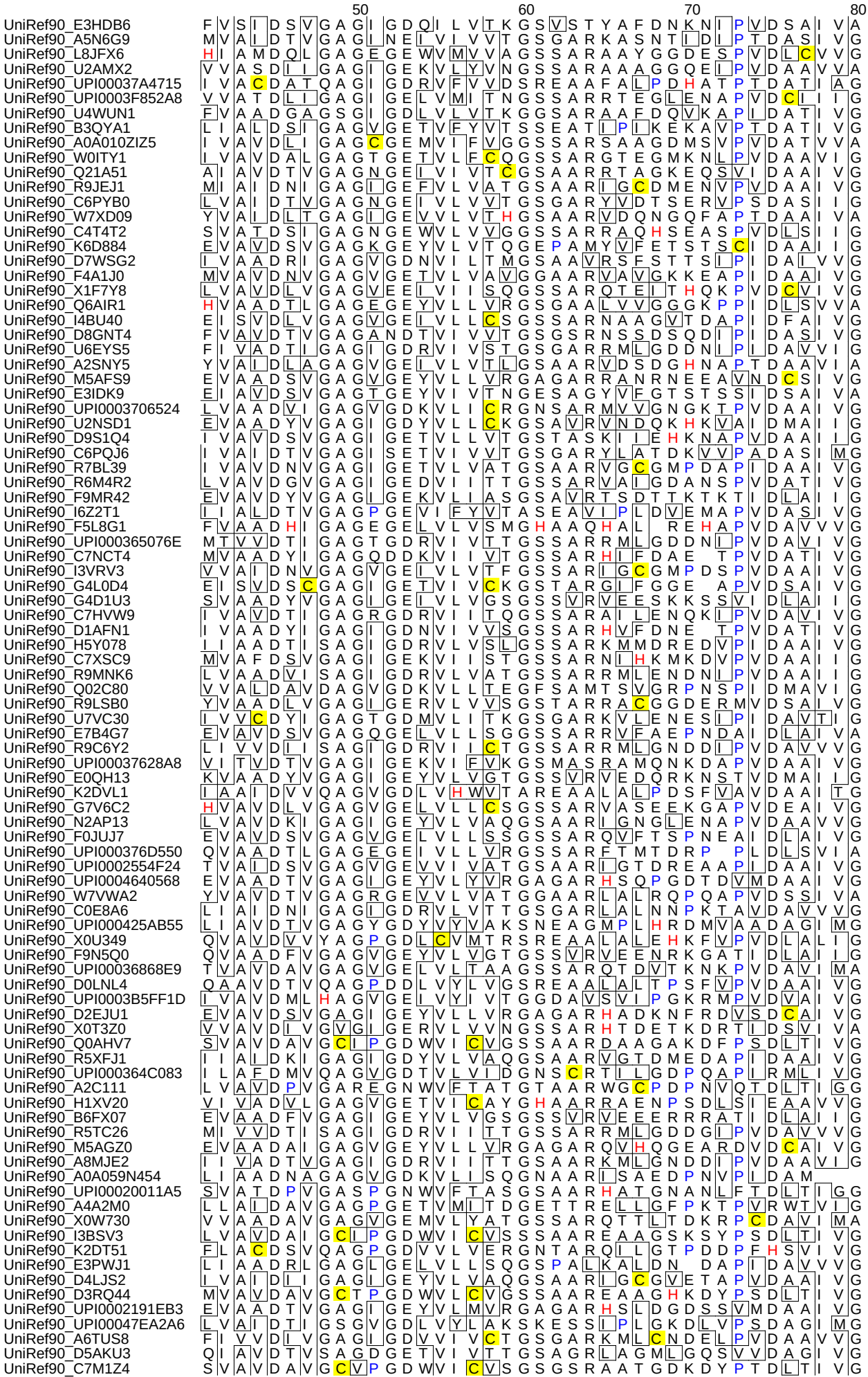

90
QUERY I I D T V S V D N R P L Y S K
UniRef90_D8G7Q2 I I D T V S V E N R L I Y S K
UniRef90_K9S3Y7 I I D T V S I E N S L L Y S K
UniRef90_K9TWH9 I I D T V S V D N R N L Y S K
UniRef90_D4ZX51 I I D T V S T A N G Q I Y S
UniRef90_K9TGY5 I V D T V N V E N R T L Y S K
UniRef90_B8HQJ6 I I D T V S V D N H L L Y S K
UniRef90_A0YRT4 I I D T I T A G N R S L Y S K
UniRef90_K9UXQ4 I I D S V R I E D R L V Y S K
UniRef90_K9SQ80 I I D S I N V S D R L I Y S K
UniRef90_Q2JKM9 I I D T V S V G G R S L Y N K
UniRef90_U9VW25 I V D T V S L D S G S L Y D K
UniRef90_Q10XY2 I I D T I T V D N R M I Y G K
UniRef90_K9VY51 I I D T V T L D N N L L Y S K
UniRef90_L8N1L5 I I D T V S L S D R T L Y S K
UniRef90_K9WJA3 I I D T V S V D N Q V L Y G K
UniRef90_UPI0003493B2A I I D T V S V E N G Q L Y N K
UniRef90_K9YVQ6 I I D T V T V D N R R L Y
UniRef90_K9RTX8 I I D T V S L D N G L L Y S K
UniRef90_L8LTV1 I I D T V T V E N R L L Y S K
UniRef90_B7K7P6 I I D T I T V D N R Q L Y S K
UniRef90_B2J9Z1 I I D T I Y V E D R M I Y S K
UniRef90_UPI000360282C I I D T V S V D K Q L L Y S K
UniRef90_UPI0003F4D46B I I D T I N V E N R T I Y S K
UniRef90_UPI000347E19C I I D T V N V D R N A L Y S K
UniRef90_Q8DKB4 I I D T V S R D N Y L L Y S K
UniRef90_B1WSQ0 I I D T V T V E N N R L Y S K
UniRef90_B0CBT8 I I D T V S V S G G R I Y S K
UniRef90_Q03512 I I D T V N V E N R S V Y D K
UniRef90_UPI000287AFF1 I V D S L E I F N E
UniRef90_U5DKI2 I I D T V S G E N G R I Y S K
UniRef90_A0A037ZAM5 I I D T V E V E K S L
UniRef90_P72759 I I D T V N V A S G S L Y N K
UniRef90_H1XWR0 I V D S L E M H G K I L F K K
UniRef90_UPI00047BE295 I I D S I D V E N R E V
UniRef90_D4J572 I I D T V E V N R E
UniRef90_U6F038 I I D S L E F E K
UniRef90_K4LS65 I V D S I E V E R S G L L R
UniRef90_U1WPU1 I V D S I D V E S R
UniRef90_K9UKX4 I V D T V A L G N D L T Y S K
UniRef90_UPI0002DC8431 I I D S V E V E
UniRef90_L0ILG9 I I D N I E Y D R N L D L D K
UniRef90_UPI000365C4FC I I D T V S V S N G L L Y S K
UniRef90_K6VNU9 I V D S L D V E G N V T F R K
UniRef90_I6YS13 I I D D V Q I T K K I T A Q K
UniRef90_UPI00036E5E99 I I D S L E I E R G E
UniRef90_UPI00036EF0B8 I V D S C T I G N E T V F Q R
UniRef90_B8J0J0 I L D Q E E M M G K
UniRef90_B4WNX0 I I D T V S L D T G L L Y D K
UniRef90_UPI00047C6FB1 I V D N I D V Y K D L M E D K
UniRef90_K2DS21 I V D E L E V E G K N A Y S K
UniRef90_M8DG88 I V D S F E V P G
UniRef90_M5UD74 I I D S V H V E K K S V Y
UniRef90_D5XBV3 I I D E V E T C G D L L
UniRef90_Q30W79 I I D E V K I
UniRef90_E8N2E3 I L D S I E V N G E L V F Q K
UniRef90_C4XBS7 I V D E A A A D G Q V L F H K
UniRef90_I8AM64 I V D S I D V E K R
UniRef90_M1ZIY7 I I D E I E R
UniRef90_M5RX45 I V D T V H I D K Q S V Y D R
UniRef90_E6MI92 I I D D M D V D A A C W K E K
UniRef90_U2RFR8 I V D S V E L A G
UniRef90_K8EN65 I I D S V E R E G
UniRef90_F2JLX9 I V D S I E V E E N E
UniRef90_L0RA56 I I D E V Q
UniRef90_E5Y380 I V D H V N A G K A A I Y R K
UniRef90_A6TWS8 I I D H I D I P G
UniRef90_S2WWY8 I V D T V E M D D
UniRef90_J7TR18 I V D E A V M E S Q V I F H K
UniRef90_E7RHY8 I I D S T E V K R G E T
UniRef90_UPI000372F0EB I V D A Y E L S D E V I
UniRef90_M1ZLY6 I V D Q L T I D H
UniRef90_H7CU04 I V D S I D I E E
UniRef90_X0S697 I V D T W D V E G E I K Y R K
UniRef90_B1HUX1 I I D T T E V
UniRef90_M8E221 I V D S Y E V
UniRef90_A6TJY0 I I D E V E V
UniRef90_UPI000363E70B I V D A V N I E G
UniRef90_U4WL95 I V D S L E M N D E
UniRef90_E3DN38 I I D K V E I S P E
UniRef90_B8DC48 I I D S V E R Y G
UniRef90_F9DUN6 I I D S T E V K R G E I
UniRef90_A4A2M2 I V D Q A H I D H A C V Y S R
UniRef90_R6E3U4 I I D S L E V D
UniRef90_UPI00047BD8A7 I I D N I E V
UniRef90_UPI00046A6006 I I D S I E E E S R
UniRef90_D9R9Q3 I I D T V D
UniRef90_UPI00047A499B I I D S I D V E G
UniRef90_Q0PIB8 I I D S M E M D E R L L
UniRef90_C6LEW5 I V D D L E I D R S V L
UniRef90_UPI000248D635 I V D S F E V G D
UniRef90_UPI0003714122 I V D S M E I E G

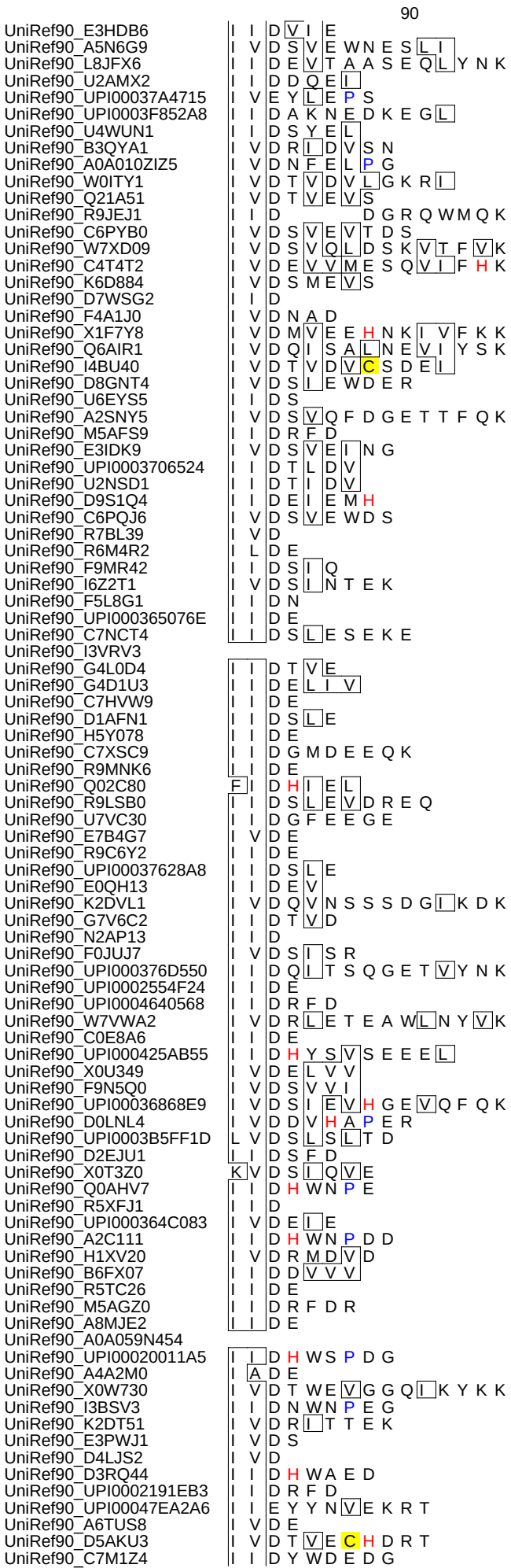

1
10
20
30
40
UniRef90_UPI00047AA8DB
UniRef90_J1H3L5
UniRef90_D7GD26
UniRef90_S0KVW6
UniRef90_K1ZR40
UniRef90_G9ZAU7
UniRef90_R2T388
UniRef90_R5BS60
UniRef90_I6XMT0
UniRef90_UPI0003651585
UniRef90_T0NBY6
UniRef90_N6Z6W3
UniRef90_A1SNZ8
UniRef90_H5XTP3
UniRef90_S3X5J9
UniRef90_D0LHE5
UniRef90_A8MLL6
UniRef90_H0UQ80
UniRef90_UPI00035E86D7
UniRef90_S9TDQ7
UniRef90_B0P8J4
UniRef90_UPI0003B7585E
UniRef90_R5BV88
UniRef90_A3CLC1
UniRef90_S3YC96
UniRef90_B3QYA0
UniRef90_R9KKZ0
UniRef90_F0SGP8
UniRef90_W5IXE7
UniRef90_G0EI62
UniRef90_W7CJ42
UniRef90_R2NU25
UniRef90_UPI00036E19C3
UniRef90_UPI00047B00AB
UniRef90_D0KBF7
UniRef90_UPI0004785757
UniRef90_F9MRY1
UniRef90_A9KMY7
UniRef90_UPI000379E2B0
UniRef90_Q3AE91
UniRef90_UPI00036B07AC
UniRef90_G2JQ56
UniRef90_M5DY78
UniRef90_R8VZZ7
UniRef90_Q02C81
UniRef90_I7LIV4
UniRef90_UPI0004799D8B
UniRef90_B2TI48
UniRef90_UPI000380D5C8
UniRef90_B1ZR92
UniRef90_L0DBU8
UniRef90_UPI00029B45D0
UniRef90_A0Q2V6
UniRef90_UPI000374CCAA
UniRef90_F7NH15
UniRef90_E7GNG2
UniRef90_J3F9F0
UniRef90_C4LFD8
UniRef90_H1CFD8
UniRef90_A1U005
UniRef90_H2IE56
UniRef90_B8G1Q6
UniRef90_Q02C82
UniRef90_D5SXL6
UniRef90_UPI00037B0629
UniRef90_B0K317
UniRef90_D6KQA9
UniRef90_X1QRU6
UniRef90_V6VGR8
UniRef90_R6G8X8
UniRef90_D3LW81
UniRef90_G2TCY2
UniRef90_UPI0003B49C3A
UniRef90_UPI0003FC1D9F
UniRef90_UPI00036EB741
UniRef90_K9YJG3
UniRef90_A1RF26
UniRef90_B8FDN0
UniRef90_E6MIY6
UniRef90_D5X8F8
UniRef90_L5MWR9
UniRef90_B8G0C1
UniRef90_C0CU96
UniRef90_R7MYU4
UniRef90_UPI00047C3320
UniRef90_UPI00047D6F33
UniRef90_E3PUQ9
UniRef90_S0DDS7
UniRef90_A9KN63
UniRef90_C9XJF1
UniRef90_UPI000344DD0D
UniRef90_V5XRM8

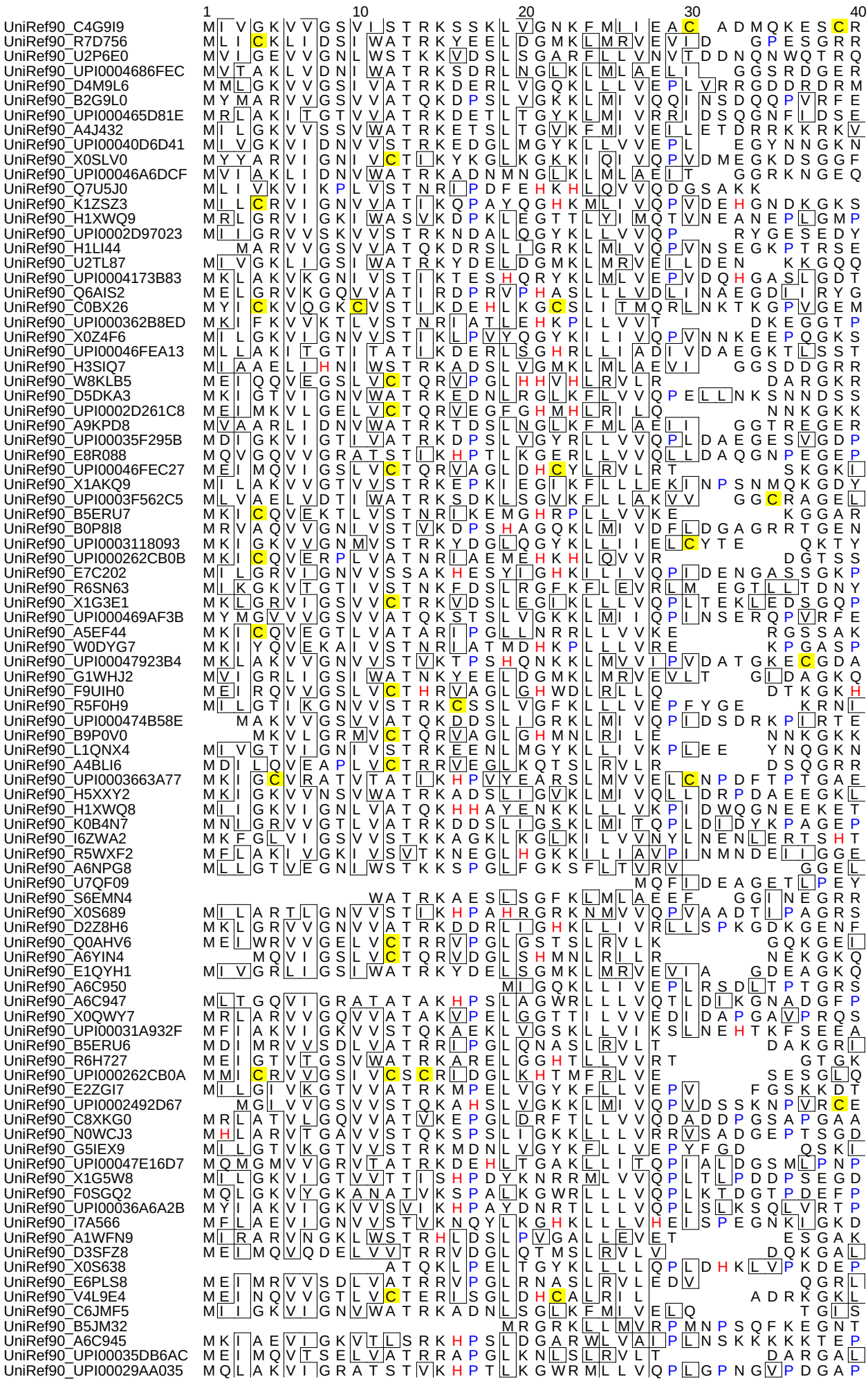

50
60
70
80
UniRef90_UPI00047AA8DB
UniRef90_J1H3L5
UniRef90_D7GD26
UniRef90_S0KVW6
UniRef90_K1ZR40
UniRef90_G9ZAU7
UniRef90_R2T388
UniRef90_R5BS60
UniRef90_I6XMT0
UniRef90_UPI0003651585
UniRef90_T0NBY6
UniRef90_N6Z6W3
UniRef90_A1SNZ8
UniRef90_H5XTP3
UniRef90_S3X5J9
UniRef90_D0LHE5
UniRef90_A8MLL6
UniRef90_H0UQ80
UniRef90_UPI00035E86D7
UniRef90_S9TDQ7
UniRef90_B0P8J4
UniRef90_UPI0003B7585E
UniRef90_R5BV88
UniRef90_A3CLC1
UniRef90_S3YC96
UniRef90_B3QYA0
UniRef90_R9KKZ0
UniRef90_F0SGP8
UniRef90_W5IXE7
UniRef90_G0EI62
UniRef90_W7CJ42
UniRef90_R2NU25
UniRef90_UPI00036E19C3
UniRef90_UPI00047B00AB
UniRef90_D0KBF7
UniRef90_UPI0004785757
UniRef90_F9MRY1
UniRef90_A9KMY7
UniRef90_UPI000379E2B0
UniRef90_Q3AE91
UniRef90_UPI00036B07AC
UniRef90_G2JQ56
UniRef90_M5DY78
UniRef90_R8VZZ7
UniRef90_Q02C81
UniRef90_I7LIV4
UniRef90_UPI0004799D8B
UniRef90_B2TI48
UniRef90_UPI000380D5C8
UniRef90_B1ZR92
UniRef90_L0DBU8
UniRef90_UPI00029B45D0
UniRef90_A0Q2V6
UniRef90_UPI000374CCAA
UniRef90_F7NH15
UniRef90_E7GNG2
UniRef90_J3F9F0
UniRef90_C4LFD8
UniRef90_H1CFD8
UniRef90_A1U005
UniRef90_H2IE56
UniRef90_B8G1Q6
UniRef90_Q02C82
UniRef90_D5SXL6
UniRef90_UPI00037B0629
UniRef90_B0K317
UniRef90_D6KQA9
UniRef90_X1QRU6
UniRef90_V6VGR8
UniRef90_R6G8X8
UniRef90_D3LW81
UniRef90_G2TCY2
UniRef90_UPI0003B49C3A
UniRef90_UPI0003FC1D9F
UniRef90_UPI00036EB741
UniRef90_K9YJG3
UniRef90_A1RF26
UniRef90_B8FDN0
UniRef90_E6MIY6
UniRef90_D5X8F8
UniRef90_L5MWR9
UniRef90_B8G0C1
UniRef90_C0CU96
UniRef90_R7MYU4
UniRef90_UPI00047C3320
UniRef90_UPI00047D6F33
UniRef90_E3PUQ9
UniRef90_S0DDS7
UniRef90_A9KN63
UniRef90_C9XJF1
UniRef90_UPI000344DD0D
UniRef90_V5XRM8

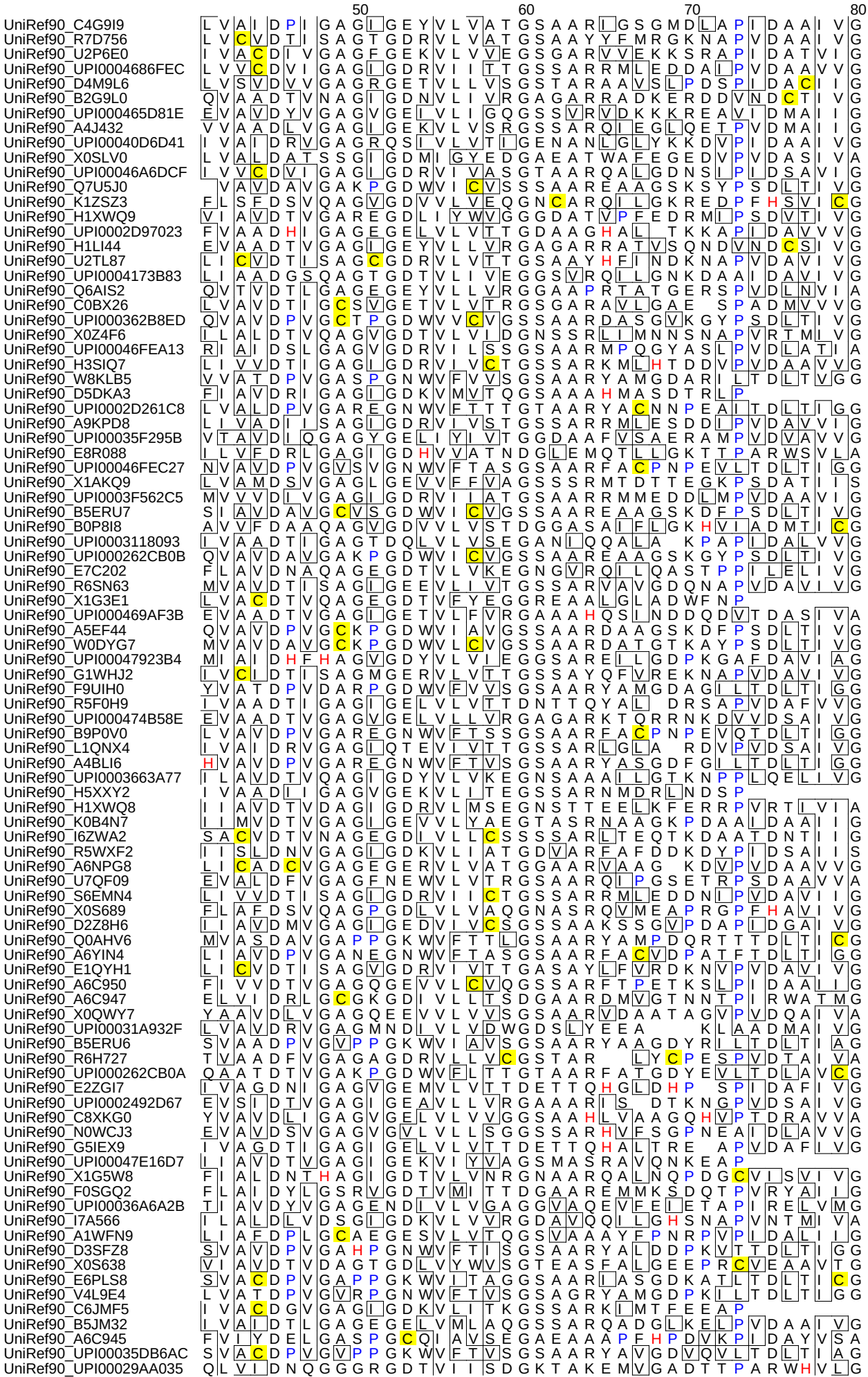

90
UniRef90_UPI00047AA8DB I I D V V D V E E
UniRef90_J1H3L5 I I D D K E I N T N V L
UniRef90_D7GD26 I V D T V E I G
UniRef90_S0KVW6 V V D S V E T N N S
UniRef90_K1ZR40 I V D E L T V E D K G I A N K
UniRef90_G9ZAU7 I V D E A V S G G K V I F H K
UniRef90_R2T388 I I D S V E M N E
UniRef90_R5BS60 I I D S F D
UniRef90_I6XMT0 I V D V V E V E D
UniRef90_UPI0003651585 V I D S L E V E S G A T F R K
UniRef90_T0NBY6 I V D S L E L Q D
UniRef90_N6Z6W3 I V D E V V V G G K L T F H K
UniRef90_A1SNZ8 I L D S L E V D G A V T F R K
UniRef90_H5XTP3 I I D K
UniRef90_S3X5J9 I L D S M E V S G E V T F R K
UniRef90_D0LHE5 I V D L V E M G G D V R F R K
UniRef90_A8MLL6 I I D N M D V
UniRef90_H0UQ80 I I D S V E V D E S L L
UniRef90_UPI00035E86D7 I V D R I E E N G Q V V F R K
UniRef90_S9TDQ7 I V D S I E V S H
UniRef90_B0P8J4 I I D S V D I G G K R V F E K
UniRef90_UPI0003B7585E I V D T V E V A G K V R Y Y K
UniRef90_R5BV88 V I D S I D T A G
UniRef90_A3CLC1 I I D K V D Y H S D E E Y
UniRef90_S3YC96 I V D T V E M E
UniRef90_B3QYA0 I V D K V D I A D
UniRef90_R9KKZ0 I V D S V E V S
UniRef90_F0SGP8 I V D K V Q V M E A L I Y D K
UniRef90_W5IXE7 I V D E A V L D G S L L Y R K
UniRef90_G0EI62 I V D Q V D L N K
UniRef90_W7CJ42 I I D S V D R G
UniRef90_R2NU25 I I D T F D
UniRef90_UPI00036E19C3 I V D T V D V L G K Q I F
UniRef90_UPI00047B00AB I V D N I D V
UniRef90_D0KBF7 I V D S L D L N D R
UniRef90_UPI0004785757 I V D T V D V D H R E V
UniRef90_F9MRY1 I I D T L E I
UniRef90_A9KMY7 I V D S V V V E D D E
UniRef90_UPI000379E2B0 I V D S V D C P G
UniRef90_Q3AE91 I V D K L E
UniRef90_UPI00036B07AC I V D N M E V S
UniRef90_G2JQ56 I V D S F D
UniRef90_M5DY78 I I D E I E L D E S
UniRef90_R8VZZ7 I V D D Q E L H P E V L
UniRef90_Q02C81 I V D E V H V
UniRef90_I7LIV4 I V D R V D I G
UniRef90_UPI0004799D8B I I D S F E I G
UniRef90_B2TI48 I V D S V E V S K E
UniRef90_UPI000380D5C8 I I D T I T L G N S L L Y S K
UniRef90_B1ZR92 H V D T V E V M G K R I
UniRef90_L0DBU8 L I N T V D I G G R E I F S
UniRef90_UPI00029B45D0 L V D S V H L G A K S I F D
UniRef90_A0Q2V6 I V D S I E
UniRef90_UPI000374CCAA I V D A I E V D G K V V Y Q K
UniRef90_F7NH15 I I D S I E I D Q D L L
UniRef90_E7GNG2 I I D S L E I
UniRef90_J3F9F0 I I D S F D I T E
UniRef90_C4LFD8 I V D S L S
UniRef90_H1CFD8 I V D D Q E I D R S V L
UniRef90_A1U005 I I D E V T G G T E T W F K K
UniRef90_H2IE56 I V D S L E L
UniRef90_B8G1Q6 I I D E
UniRef90_Q02C82 I V D E V H M D
UniRef90_D5SXL6 L I D V V Q I Q G K I V F S
UniRef90_UPI00037B0629 I V D E A T E E
UniRef90_B0K317 I V D N I E I E E A S L
UniRef90_D6KQA9 I I D S F E
UniRef90_X1QRU6 I V D Q V N I G E
UniRef90_V6VGR8 I V D S F E
UniRef90_R6G8X8 I V D T V E I S
UniRef90_D3LW81 I V D T I N
UniRef90_G2TCY2 I V D T V E
UniRef90_UPI0003B49C3A I I D E V S A H H E C C Y G K
UniRef90_UPI0003FC1D9F I I D H I D M D G E R T F
UniRef90_UPI00036EB741 I I D E
UniRef90_K9YJG3 I I D T V T V A S G M L Y S K
UniRef90_A1RF26 I V D T I D R
UniRef90_B8FDN0 I I D E I D V N
UniRef90_E6MIY6 I V D E I Q T S D
UniRef90_D5X8F8 I I D E
UniRef90_L5MWR9 I I D S V D T G S
UniRef90_B8G0C1 I I D K
UniRef90_C0CU96 I I D T V E
UniRef90_R7MYU4 I I D N L N
UniRef90_UPI00047C3320 I V D Q I E I K G A L T F L K
UniRef90_UPI00047D6F33 I V D N I
UniRef90_E3PUQ9 I I D E
UniRef90_S0DDS7 I V D A Q E I S
UniRef90_A9KN63 I I D
UniRef90_C9XJF1 V V D S F E V F D E
UniRef90_UPI000344DD0D I I D D F
UniRef90_V5XRM8 V I D S I E

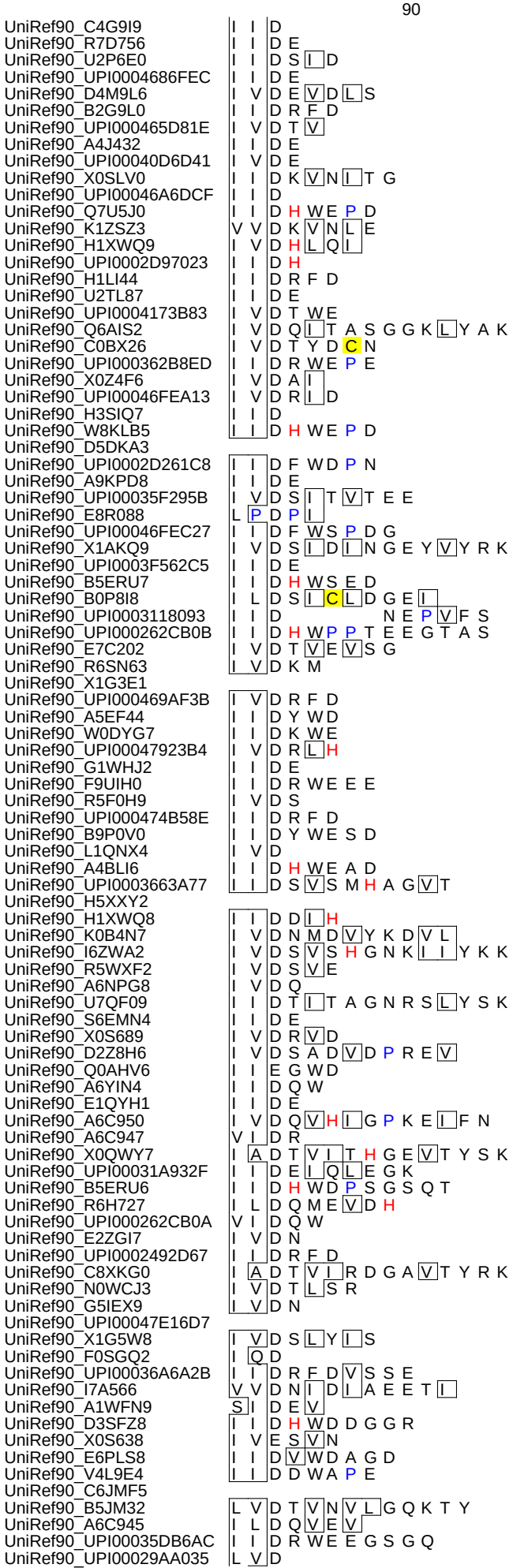

1
10
20
30
40
UniRef90_E3HDB6
UniRef90_A5N6G9
UniRef90_L8JFX6
UniRef90_U2AMX2
UniRef90_UPI00037A4715
UniRef90_UPI0003F852A8
UniRef90_U4WUN1
UniRef90_B3QYA1
UniRef90_A0A010ZIZ5
UniRef90_W0ITY1
UniRef90_Q21A51
UniRef90_R9JEJ1
UniRef90_C6PYB0
UniRef90_W7XD09
UniRef90_C4T4T2
UniRef90_K6D884
UniRef90_D7WSG2
UniRef90_F4A1J0
UniRef90_X1F7Y8
UniRef90_Q6AIR1
UniRef90_I4BU40
UniRef90_D8GNT4
UniRef90_U6EYS5
UniRef90_A2SNY5
UniRef90_M5AFS9
UniRef90_E3IDK9
UniRef90_UPI0003706524
UniRef90_U2NSD1
UniRef90_D9S1Q4
UniRef90_C6PQJ6
UniRef90_R7BL39
UniRef90_R6M4R2
UniRef90_F9MR42
UniRef90_I6Z2T1
UniRef90_F5L8G1
UniRef90_UPI000365076E
UniRef90_C7NCT4
UniRef90_I3VRV3
UniRef90_G4L0D4
UniRef90_G4D1U3
UniRef90_C7HVW9
UniRef90_D1AFN1
UniRef90_H5Y078
UniRef90_C7XSC9
UniRef90_R9MNK6
UniRef90_Q02C80
UniRef90_R9LSB0
UniRef90_U7VC30
UniRef90_E7B4G7
UniRef90_R9C6Y2
UniRef90_UPI00037628A8
UniRef90_E0QH13
UniRef90_K2DVL1
UniRef90_G7V6C2
UniRef90_N2AP13
UniRef90_F0JUJ7
UniRef90_UPI000376D550
UniRef90_UPI0002554F24
UniRef90_UPI0004640568
UniRef90_W7VWA2
UniRef90_C0E8A6
UniRef90_UPI000425AB55
UniRef90_X0U349
UniRef90_F9N5Q0
UniRef90_UPI00036868E9
UniRef90_D0LNL4
UniRef90_UPI0003B5FF1D
UniRef90_D2EJU1
UniRef90_X0T3Z0
UniRef90_Q0AHV7
UniRef90_R5XFJ1
UniRef90_UPI000364C083
UniRef90_A2C111
UniRef90_H1XV20
UniRef90_B6FX07
UniRef90_R5TC26
UniRef90_M5AGZ0
UniRef90_A8MJE2
UniRef90_A0A059N454
UniRef90_UPI00020011A5
UniRef90_A4A2M0
UniRef90_X0W730
UniRef90_I3BSV3
UniRef90_K2DT51
UniRef90_E3PWJ1
UniRef90_D4LJS2
UniRef90_D3RQ44
UniRef90_UPI0002191EB3
UniRef90_UPI00047EA2A6
UniRef90_A6TUS8
UniRef90_D5AKU3
UniRef90_C7M1Z4

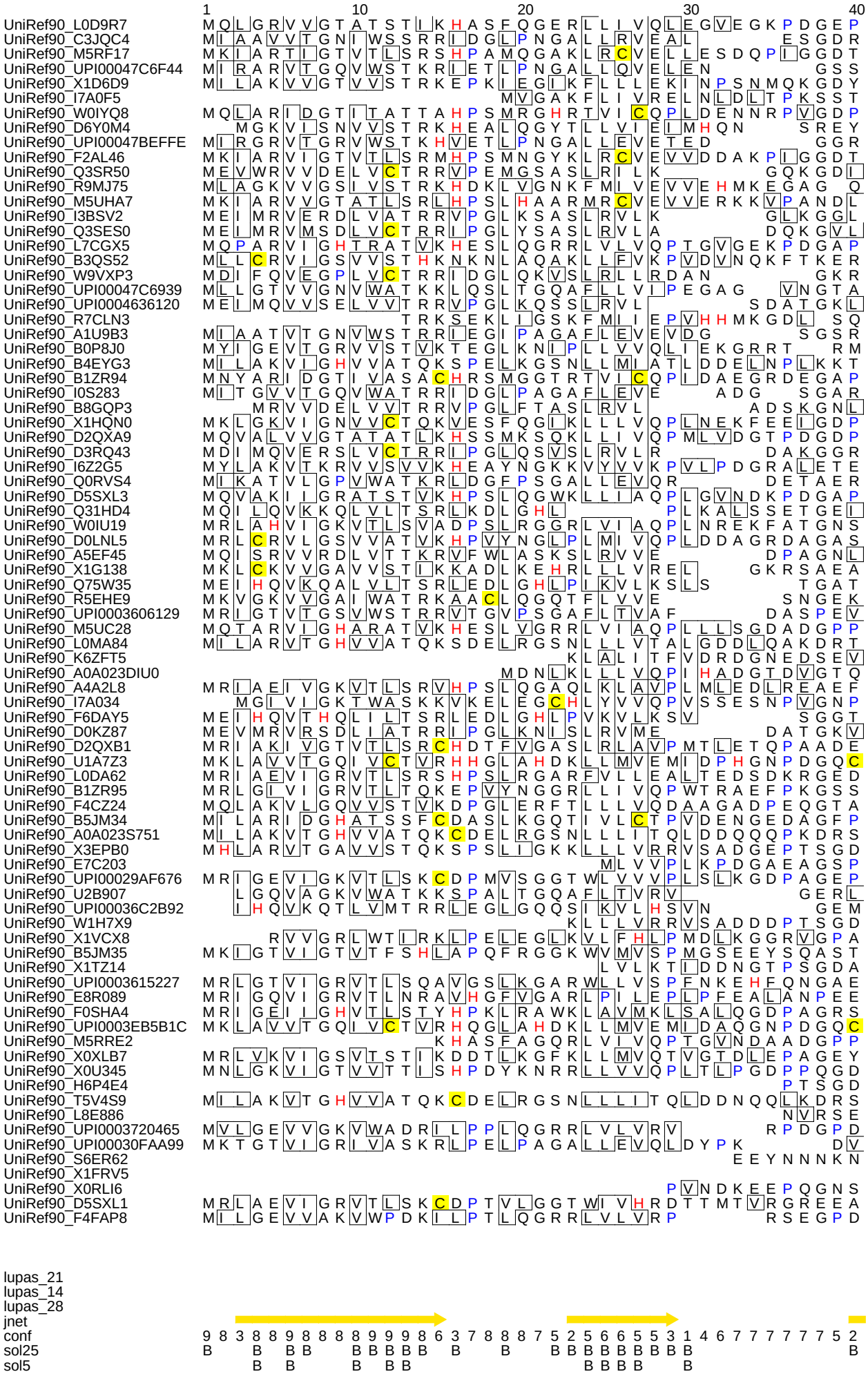

50
60
70
80
UniRef90_E3HDB6
UniRef90_A5N6G9
UniRef90_L8JFX6
UniRef90_U2AMX2
UniRef90_UPI00037A4715
UniRef90_UPI0003F852A8
UniRef90_U4WUN1
UniRef90_B3QYA1
UniRef90_A0A010ZIZ5
UniRef90_W0ITY1
UniRef90_Q21A51
UniRef90_R9JEJ1
UniRef90_C6PYB0
UniRef90_W7XD09
UniRef90_C4T4T2
UniRef90_K6D884
UniRef90_D7WSG2
UniRef90_F4A1J0
UniRef90_X1F7Y8
UniRef90_Q6AIR1
UniRef90_I4BU40
UniRef90_D8GNT4
UniRef90_U6EYS5
UniRef90_A2SNY5
UniRef90_M5AFS9
UniRef90_E3IDK9
UniRef90_UPI0003706524
UniRef90_U2NSD1
UniRef90_D9S1Q4
UniRef90_C6PQJ6
UniRef90_R7BL39
UniRef90_R6M4R2
UniRef90_F9MR42
UniRef90_I6Z2T1
UniRef90_F5L8G1
UniRef90_UPI000365076E
UniRef90_C7NCT4
UniRef90_I3VRV3
UniRef90_G4L0D4
UniRef90_G4D1U3
UniRef90_C7HVW9
UniRef90_D1AFN1
UniRef90_H5Y078
UniRef90_C7XSC9
UniRef90_R9MNK6
UniRef90_Q02C80
UniRef90_R9LSB0
UniRef90_U7VC30
UniRef90_E7B4G7
UniRef90_R9C6Y2
UniRef90_UPI00037628A8
UniRef90_E0QH13
UniRef90_K2DVL1
UniRef90_G7V6C2
UniRef90_N2AP13
UniRef90_F0JUJ7
UniRef90_UPI000376D550
UniRef90_UPI0002554F24
UniRef90_UPI0004640568
UniRef90_W7VWA2
UniRef90_C0E8A6
UniRef90_UPI000425AB55
UniRef90_X0U349
UniRef90_F9N5Q0
UniRef90_UPI00036868E9
UniRef90_D0LNL4
UniRef90_UPI0003B5FF1D
UniRef90_D2EJU1
UniRef90_X0T3Z0
UniRef90_Q0AHV7
UniRef90_R5XFJ1
UniRef90_UPI000364C083
UniRef90_A2C111
UniRef90_H1XV20
UniRef90_B6FX07
UniRef90_R5TC26
UniRef90_M5AGZ0
UniRef90_A8MJE2
UniRef90_A0A059N454
UniRef90_UPI00020011A5
UniRef90_A4A2M0
UniRef90_X0W730
UniRef90_I3BSV3
UniRef90_K2DT51
UniRef90_E3PWJ1
UniRef90_D4LJS2
UniRef90_D3RQ44
UniRef90_UPI0002191EB3
UniRef90_UPI00047EA2A6
UniRef90_A6TUS8
UniRef90_D5AKU3
UniRef90_C7M1Z4

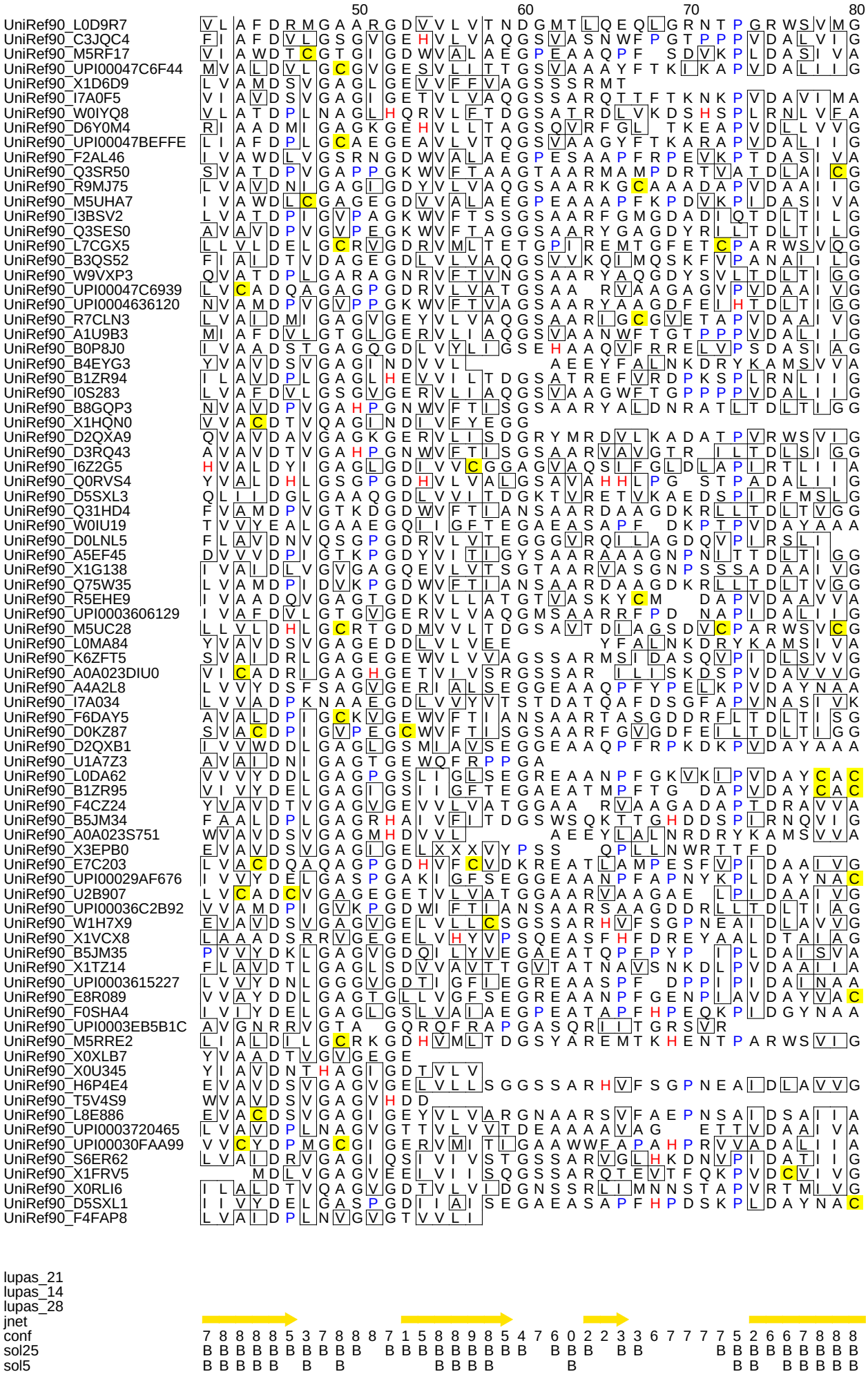

UniRef90_E3HDB6 I I D V I E
UniRef90_A5N6G9 I V D S V E W N E S L I
UniRef90_L8JFX6 I I D E V T A A S E Q L Y N K
UniRef90_U2AMX2 I I D D Q E I
UniRef90_UPI00037A4715 I V E Y L E P S
UniRef90_UPI0003F852A8 I I D A K N E D K E G L
UniRef90_U4WUN1 I I D S Y E L
UniRef90_B3QYA1 I V D R I D V S N
UniRef90_A0A010ZIZ5 I V D N F E L P G
UniRef90_W0ITY1 I V D T V D V L G K R I
UniRef90_Q21A51 I V D T V E V S
UniRef90_R9JEJ1 I I D D G R Q W M Q K
UniRef90_C6PYB0 I V D S V E V T D S
UniRef90_W7XD09 I V D S V Q L D S K V T F V K
UniRef90_C4T4T2 I V D E V V M E S Q V I F H K
UniRef90_K6D884 I V D S M E V S
UniRef90_D7WSG2 I I D
UniRef90_F4A1J0 I V D N A D
UniRef90_X1F7Y8 I V D M V E E H N K I V F K K
UniRef90_Q6AIR1 I V D Q I S A L N E V I Y S K
UniRef90_I4BU40 I V D T V D V C S D E I
UniRef90_D8GNT4 I V D S I E W D E R
UniRef90_U6EYS5 I I D S
UniRef90_A2SNY5 I V D S V Q F D G E T T F Q K
UniRef90_M5AFS9 I I D R F D
UniRef90_E3IDK9 I V D S V E I N G
UniRef90_UPI0003706524 I I D T L D V
UniRef90_U2NSD1 I I D T I D V
UniRef90_D9S1Q4 I I D E I E M H
UniRef90_C6PQJ6 I V D S V E W D S
UniRef90_R7BL39 I V D
UniRef90_R6M4R2 I L D E
UniRef90_F9MR42 I I D S I Q
UniRef90_I6Z2T1 I V D S I N T E K
UniRef90_F5L8G1 I I D N
UniRef90_UPI000365076E I I D E
UniRef90_C7NCT4 I I D S L E S E K E
UniRef90_I3VRV3
UniRef90_G4L0D4 I I D T V E
UniRef90_G4D1U3 I I D E L I V
UniRef90_C7HVW9 I I D E
UniRef90_D1AFN1 I I D S L E
UniRef90_H5Y078 I I D E
UniRef90_C7XSC9 I I D G M D E E Q K
UniRef90_R9MNK6 I I D E
UniRef90_Q02C80 F I D H I E L
UniRef90_R9LSB0 I I D S L E V D R E Q
UniRef90_U7VC30 I I D G F E E G E
UniRef90_E7B4G7 I V D E
UniRef90_R9C6Y2 I I D E
UniRef90_UPI00037628A8 I I D S L E
UniRef90_E0QH13 I I D E V
UniRef90_K2DVL1 I V D Q V N S S S D G I K D K
UniRef90_G7V6C2 I I D T V D
UniRef90_N2AP13 I I D
UniRef90_F0JUJ7 I V D S I S R
UniRef90_UPI000376D550 I I D Q I T S Q G E T V Y N K
UniRef90_UPI0002554F24 I I D E
UniRef90_UPI0004640568 I I D R F D
UniRef90_W7VWA2 I V D R L E T E A W L N Y V K
UniRef90_C0E8A6 I I D E
UniRef90_UPI000425AB55 I I D H Y S V S E E E L
UniRef90_X0U349 I V D E L V V
UniRef90_F9N5Q0 I V D S V V I
UniRef90_UPI00036868E9 I V D S I E V H G E V Q F Q K
UniRef90_D0LNL4 I V D D V H A P E R
UniRef90_UPI0003B5FF1D L V D S L S L T D
UniRef90_D2EJU1 I I D S F D
UniRef90_X0T3Z0 K V D S I Q V E
UniRef90_Q0AHV7 I I D H W N P E
UniRef90_R5XFJ1 I I D
UniRef90_UPI000364C083 I V D E I E
UniRef90_A2C111 I I D H W N P D D
UniRef90_H1XV20 I V D R M D V D
UniRef90_B6FX07 I I D D V V V
UniRef90_R5TC26 I I D E
UniRef90_M5AGZ0 I I D R F D R
UniRef90_A8MJE2 I I D E
UniRef90_A0A059N454
UniRef90_UPI00020011A5 I I D H W S P D G
UniRef90_A4A2M0 I A D E
UniRef90_X0W730 I V D T W E V G G Q I K Y K K
UniRef90_I3BSV3 I I D N W N P E G
UniRef90_K2DT51 I V D R I T T E K
UniRef90_E3PWJ1 I V D S
UniRef90_D4LJS2 I V D
UniRef90_D3RQ44 I I D H W A E D
UniRef90_UPI0002191EB3 I I D R F D
UniRef90_UPI00047EA2A6 I I E Y Y N V E K R T
UniRef90_A6TUS8 I V D E
UniRef90_D5AKU3 I V D T V E C H D R T
UniRef90_C7M1Z4 I I D Y W D E D G


1
10
20
30
40
UniRef90_C4G9I9
UniRef90_R7D756
UniRef90_U2P6E0
UniRef90_UPI0004686FEC
UniRef90_D4M9L6
UniRef90_B2G9L0
UniRef90_UPI000465D81E
UniRef90_A4J432
UniRef90_UPI00040D6D41
UniRef90_X0SLV0
UniRef90_UPI00046A6DCF
UniRef90_Q7U5J0
UniRef90_K1ZSZ3
UniRef90_H1XWQ9
UniRef90_UPI0002D97023
UniRef90_H1LI44
UniRef90_U2TL87
UniRef90_UPI0004173B83
UniRef90_Q6AIS2
UniRef90_C0BX26
UniRef90_UPI000362B8ED
UniRef90_X0Z4F6
UniRef90_UPI00046FEA13
UniRef90_H3SIQ7
UniRef90_W8KLB5
UniRef90_D5DKA3
UniRef90_UPI0002D261C8
UniRef90_A9KPD8
UniRef90_UPI00035F295B
UniRef90_E8R088
UniRef90_UPI00046FEC27
UniRef90_X1AKQ9
UniRef90_UPI0003F562C5
UniRef90_B5ERU7
UniRef90_B0P8I8
UniRef90_UPI0003118093
UniRef90_UPI000262CB0B
UniRef90_E7C202
UniRef90_R6SN63
UniRef90_X1G3E1
UniRef90_UPI000469AF3B
UniRef90_A5EF44
UniRef90_W0DYG7
UniRef90_UPI00047923B4
UniRef90_G1WHJ2
UniRef90_F9UIH0
UniRef90_R5F0H9
UniRef90_UPI000474B58E
UniRef90_B9P0V0
UniRef90_L1QNX4
UniRef90_A4BLI6
UniRef90_UPI0003663A77
UniRef90_H5XXY2
UniRef90_H1XWQ8
UniRef90_K0B4N7
UniRef90_I6ZWA2
UniRef90_R5WXF2
UniRef90_A6NPG8
UniRef90_U7QF09
UniRef90_S6EMN4
UniRef90_X0S689
UniRef90_D2Z8H6
UniRef90_Q0AHV6
UniRef90_A6YIN4
UniRef90_E1QYH1
UniRef90_A6C950
UniRef90_A6C947
UniRef90_X0QWY7
UniRef90_UPI00031A932F
UniRef90_B5ERU6
UniRef90_R6H727
UniRef90_UPI000262CB0A
UniRef90_E2ZGI7
UniRef90_UPI0002492D67
UniRef90_C8XKG0
UniRef90_N0WCJ3
UniRef90_G5IEX9
UniRef90_UPI00047E16D7
UniRef90_X1G5W8
UniRef90_F0SGQ2
UniRef90_UPI00036A6A2B
UniRef90_I7A566
UniRef90_A1WFN9
UniRef90_D3SFZ8
UniRef90_X0S638
UniRef90_E6PLS8
UniRef90_V4L9E4
UniRef90_C6JMF5
UniRef90_B5JM32
UniRef90_A6C945
UniRef90_UPI00035DB6AC
UniRef90_UPI00029AA035


50
60
70
80
UniRef90_C4G9I9
UniRef90_R7D756
UniRef90_U2P6E0
UniRef90_UPI0004686FEC
UniRef90_D4M9L6
UniRef90_B2G9L0
UniRef90_UPI000465D81E
UniRef90_A4J432
UniRef90_UPI00040D6D41
UniRef90_X0SLV0
UniRef90_UPI00046A6DCF
UniRef90_Q7U5J0
UniRef90_K1ZSZ3
UniRef90_H1XWQ9
UniRef90_UPI0002D97023
UniRef90_H1LI44
UniRef90_U2TL87
UniRef90_UPI0004173B83
UniRef90_Q6AIS2
UniRef90_C0BX26
UniRef90_UPI000362B8ED
UniRef90_X0Z4F6
UniRef90_UPI00046FEA13
UniRef90_H3SIQ7
UniRef90_W8KLB5
UniRef90_D5DKA3
UniRef90_UPI0002D261C8
UniRef90_A9KPD8
UniRef90_UPI00035F295B
UniRef90_E8R088
UniRef90_UPI00046FEC27
UniRef90_X1AKQ9
UniRef90_UPI0003F562C5
UniRef90_B5ERU7
UniRef90_B0P8I8
UniRef90_UPI0003118093
UniRef90_UPI000262CB0B
UniRef90_E7C202
UniRef90_R6SN63
UniRef90_X1G3E1
UniRef90_UPI000469AF3B
UniRef90_A5EF44
UniRef90_W0DYG7
UniRef90_UPI00047923B4
UniRef90_G1WHJ2
UniRef90_F9UIH0
UniRef90_R5F0H9
UniRef90_UPI000474B58E
UniRef90_B9P0V0
UniRef90_L1QNX4
UniRef90_A4BLI6
UniRef90_UPI0003663A77
UniRef90_H5XXY2
UniRef90_H1XWQ8
UniRef90_K0B4N7
UniRef90_I6ZWA2
UniRef90_R5WXF2
UniRef90_A6NPG8
UniRef90_U7QF09
UniRef90_S6EMN4
UniRef90_X0S689
UniRef90_D2Z8H6
UniRef90_Q0AHV6
UniRef90_A6YIN4
UniRef90_E1QYH1
UniRef90_A6C950
UniRef90_A6C947
UniRef90_X0QWY7
UniRef90_UPI00031A932F
UniRef90_B5ERU6
UniRef90_R6H727
UniRef90_UPI000262CB0A
UniRef90_E2ZGI7
UniRef90_UPI0002492D67
UniRef90_C8XKG0
UniRef90_N0WCJ3
UniRef90_G5IEX9
UniRef90_UPI00047E16D7
UniRef90_X1G5W8
UniRef90_F0SGQ2
UniRef90_UPI00036A6A2B
UniRef90_I7A566
UniRef90_A1WFN9
UniRef90_D3SFZ8
UniRef90_X0S638
UniRef90_E6PLS8
UniRef90_V4L9E4
UniRef90_C6JMF5
UniRef90_B5JM32
UniRef90_A6C945
UniRef90_UPI00035DB6AC
UniRef90_UPI00029AA035


UniRef90_C4G9I9 I I D
UniRef90_R7D756 I I D E
UniRef90_U2P6E0 I I D S I D
UniRef90_UPI0004686FEC I I D E
UniRef90_D4M9L6 I V D E V D L S
UniRef90_B2G9L0 I I D R F D
UniRef90_UPI000465D81E I V D T V
UniRef90_A4J432 I I D E
UniRef90_UPI00040D6D41 I V D E
UniRef90_X0SLV0 I I D K V N I T G
UniRef90_UPI00046A6DCF I I D
UniRef90_Q7U5J0 I I D H W E P D
UniRef90_K1ZSZ3 V V D K V N L E
UniRef90_H1XWQ9 I V D H L Q I
UniRef90_UPI0002D97023 I I D H
UniRef90_H1LI44 I I D R F D
UniRef90_U2TL87 I I D E
UniRef90_UPI0004173B83 I V D T W E
UniRef90_Q6AIS2 I V D Q I T A S G G K L Y A K
UniRef90_C0BX26 I V D T Y D C N
UniRef90_UPI000362B8ED I I D R W E P E
UniRef90_X0Z4F6 I V D A I
UniRef90_UPI00046FEA13 I V D R I D
UniRef90_H3SIQ7 I I D
UniRef90_W8KLB5 I I D H W E P D
UniRef90_D5DKA3
UniRef90_UPI0002D261C8 I I D F W D P N
UniRef90_A9KPD8 I I D E
UniRef90_UPI00035F295B I V D S I T V T E E
UniRef90_E8R088 L P D P I
UniRef90_UPI00046FEC27 I I D F W S P D G
UniRef90_X1AKQ9 I V D S I D I N G E Y V Y R K
UniRef90_UPI0003F562C5 I I D E
UniRef90_B5ERU7 I I D H W S E D
UniRef90_B0P8I8 I L D S I C L D G E I
UniRef90_UPI0003118093 I I D N E P V F S
UniRef90_UPI000262CB0B I I D H W P P T E E G T A S
UniRef90_E7C202 I V D T V E V S G
UniRef90_R6SN63 I V D K M
UniRef90_X1G3E1
UniRef90_UPI000469AF3B I V D R F D
UniRef90_A5EF44 I I D Y W D
UniRef90_W0DYG7 I I D K W E
UniRef90_UPI00047923B4 I V D R L H
UniRef90_G1WHJ2 I I D E
UniRef90_F9UIH0 I I D R W E E E
UniRef90_R5F0H9 I V D S
UniRef90_UPI000474B58E I I D R F D
UniRef90_B9P0V0 I I D Y W E S D
UniRef90_L1QNX4 I V D
UniRef90_A4BLI6 I I D H W E A D
UniRef90_UPI0003663A77 I I D S V S M H A G V T
UniRef90_H5XXY2
UniRef90_H1XWQ8 I I D D I H
UniRef90_K0B4N7 I V D N M D V Y K D V L
UniRef90_I6ZWA2 I V D S V S H G N K I I Y K K
UniRef90_R5WXF2 I V D S V E
UniRef90_A6NPG8 I V D Q
UniRef90_U7QF09 I I D T I T A G N R S L Y S K
UniRef90_S6EMN4 I I D E
UniRef90_X0S689 I V D R V D
UniRef90_D2Z8H6 I V D S A D V D P R E V
UniRef90_Q0AHV6 I I E G W D
UniRef90_A6YIN4 I I D Q W
UniRef90_E1QYH1 I I D E
UniRef90_A6C950 I V D Q V H I G P K E I F N
UniRef90_A6C947 V I D R
UniRef90_X0QWY7 I A D T V I T H G E V T Y S K
UniRef90_UPI00031A932F I I D E I Q L E G K
UniRef90_B5ERU6 I I D H W D P S G S Q T
UniRef90_R6H727 I L D Q M E V D H
UniRef90_UPI000262CB0A V I D Q W
UniRef90_E2ZGI7 I V D N
UniRef90_UPI0002492D67 I I D R F D
UniRef90_C8XKG0 I A D T V I R D G A V T Y R K
UniRef90_N0WCJ3 I V D T L S R
UniRef90_G5IEX9 I V D N
UniRef90_UPI00047E16D7
UniRef90_X1G5W8 I V D S L Y I S
UniRef90_F0SGQ2 I Q D
UniRef90_UPI00036A6A2B I I D R F D V S S E
UniRef90_I7A566 V V D N I D I A E E T I
UniRef90_A1WFN9 S I D E V
UniRef90_D3SFZ8 I I D H W D D G G R
UniRef90_X0S638 I V E S V N
UniRef90_E6PLS8 I I D V W D A G D
UniRef90_V4L9E4 I I D D W A P E
UniRef90_C6JMF5
UniRef90_B5JM32 L V D T V N V L G Q K T Y
UniRef90_A6C945 I L D Q V E V
UniRef90_UPI00035DB6AC I I D R W E E G S G Q
UniRef90_UPI00029AA035 L V D


1 10 20 30 40
UniRef90_L0D9R7
UniRef90_C3JQC4
UniRef90_M5RF17
UniRef90_UPI00047C6F44
UniRef90_X1D6D9
UniRef90_I7A0F5
UniRef90_W0IYQ8
UniRef90_D6Y0M4
UniRef90_UPI00047BEFFE
UniRef90_F2AL46
UniRef90_Q3SR50
UniRef90_R9MJ75
UniRef90_M5UHA7
UniRef90_I3BSV2
UniRef90_Q3SES0
UniRef90_L7CGX5
UniRef90_B3QS52
UniRef90_W9VXP3
UniRef90_UPI00047C6939
UniRef90_UPI0004636120
UniRef90_R7CLN3
UniRef90_A1U9B3
UniRef90_B0P8J0
UniRef90_B4EYG3
UniRef90_B1ZR94
UniRef90_I0S283
UniRef90_B8GQP3
UniRef90_X1HQN0
UniRef90_D2QXA9
UniRef90_D3RQ43
UniRef90_I6Z2G5
UniRef90_Q0RVS4
UniRef90_D5SXL3
UniRef90_Q31HD4
UniRef90_W0IU19
UniRef90_D0LNL5
UniRef90_A5EF45
UniRef90_X1G138
UniRef90_Q75W35
UniRef90_R5EHE9
UniRef90_UPI0003606129
UniRef90_M5UC28
UniRef90_L0MA84
UniRef90_K6ZFT5
UniRef90_A0A023DIU0
UniRef90_A4A2L8
UniRef90_I7A034
UniRef90_F6DAY5
UniRef90_D0KZ87
UniRef90_D2QXB1
UniRef90_U1A7Z3
UniRef90_L0DA62
UniRef90_B1ZR95
UniRef90_F4CZ24
UniRef90_B5JM34
UniRef90_A0A023S751
UniRef90_X3EPB0
UniRef90_E7C203
UniRef90_UPI00029AF676
UniRef90_U2B907
UniRef90_UPI00036C2B92
UniRef90_W1H7X9
UniRef90_X1VCX8
UniRef90_B5JM35
UniRef90_X1TZ14
UniRef90_UPI0003615227
UniRef90_E8R089
UniRef90_F0SHA4
UniRef90_UPI0003EB5B1C
UniRef90_M5RRE2
UniRef90_X0XLB7
UniRef90_X0U345
UniRef90_H6P4E4
UniRef90_T5V4S9
UniRef90_L8E886
UniRef90_UPI0003720465
UniRef90_UPI00030FAA99
UniRef90_S6ER62
UniRef90_X1FRV5
UniRef90_X0RLI6
UniRef90_D5SXL1
UniRef90_F4FAP8
lupas_21
lupas_14
lupas_28
jnet
conf 9 8 3 8 8 9 8 8 8 8 9 9 9 8 6 3 7 8 8 8 7 5 2 5 6 6 5 5 3 1 4 6 7 7 7 7 7 5 2
sol25 B B B B B B B B B B B B B B B B B B B B B B B B B B
sol5 B B B B B B B B B B B B B B B B B B B B B B B B B B


50
60
70
80
UniRef90_L0D9R7
UniRef90_C3JQC4
UniRef90_M5RF17
UniRef90_UPI00047C6F44
UniRef90_X1D6D9
UniRef90_I7A0F5
UniRef90_W0IYQ8
UniRef90_D6Y0M4
UniRef90_UPI00047BEFFE
UniRef90_F2AL46
UniRef90_Q3SR50
UniRef90_R9MJ75
UniRef90_M5UHA7
UniRef90_I3BSV2
UniRef90_Q3SES0
UniRef90_L7CGX5
UniRef90_B3QS52
UniRef90_W9VXP3
UniRef90_UPI00047C6939
UniRef90_UPI0004636120
UniRef90_R7CLN3
UniRef90_A1U9B3
UniRef90_B0P8J0
UniRef90_B4EYG3
UniRef90_B1ZR94
UniRef90_I0S283
UniRef90_B8GQP3
UniRef90_X1HQN0
UniRef90_D2QXA9
UniRef90_D3RQ43
UniRef90_I6Z2G5
UniRef90_Q0RVS4
UniRef90_D5SXL3
UniRef90_Q31HD4
UniRef90_W0IU19
UniRef90_D0LNL5
UniRef90_A5EF45
UniRef90_X1G138
UniRef90_Q75W35
UniRef90_R5EHE9
UniRef90_UPI0003606129
UniRef90_M5UC28
UniRef90_L0MA84
UniRef90_K6ZFT5
UniRef90_A0A023DIU0
UniRef90_A4A2L8
UniRef90_I7A034
UniRef90_F6DAY5
UniRef90_D0KZ87
UniRef90_D2QXB1
UniRef90_U1A7Z3
UniRef90_L0DA62
UniRef90_B1ZR95
UniRef90_F4CZ24
UniRef90_B5JM34
UniRef90_A0A023S751
UniRef90_X3EPB0
UniRef90_E7C203
UniRef90_UPI00029AF676
UniRef90_U2B907
UniRef90_UPI00036C2B92
UniRef90_W1H7X9
UniRef90_X1VCX8
UniRef90_B5JM35
UniRef90_X1TZ14
UniRef90_UPI0003615227
UniRef90_E8R089
UniRef90_F0SHA4
UniRef90_UPI0003EB5B1C
UniRef90_M5RRE2
UniRef90_X0XLB7
UniRef90_X0U345
UniRef90_H6P4E4
UniRef90_T5V4S9
UniRef90_L8E886
UniRef90_UPI0003720465
UniRef90_UPI00030FAA99
UniRef90_S6ER62
UniRef90_X1FRV5
UniRef90_X0RLI6
UniRef90_D5SXL1
UniRef90_F4FAP8
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5

```
UniRef90_L0D9R7          L P D R
UniRef90_C3JQC4          S I D R
UniRef90_M5RF17          L L D E V D L
UniRef90_UPI00047C6F44   S I D E
UniRef90_X1D6D9
UniRef90_I7A0F5          I V D K L D V
UniRef90_W0IYQ8          I V D E
UniRef90_D6Y0M4          I L D R
UniRef90_UPI00047BEFFE   S I D E
UniRef90_F2AL46          I L D H C E V
UniRef90_Q3SR50          I I D G W E E E G
UniRef90_R9MJ75          I I D
UniRef90_M5UHA7          I L D H V E V D
UniRef90_I3BSV2          I I D Y W D E E
UniRef90_Q3SES0          I I D Q W D V
UniRef90_L7CGX5          L I D E
UniRef90_B3QS52          V V D G L H I C E S E T
UniRef90_W9VXP3          I I D
UniRef90_UPI00047C6939   I V D H V E
UniRef90_UPI0004636120   I I D F W E
UniRef90_R7CLN3          I I D
UniRef90_A1U9B3          S I D
UniRef90_B0P8J0          I I D T C H I
UniRef90_B4EYG3          I V E K V Y R D S K E
UniRef90_B1ZR94          I V D
UniRef90_I0S283          S I D
UniRef90_B8GQP3          I I D H W D D D E
UniRef90_X1HQN0
UniRef90_D2QXA9          I C D
UniRef90_D3RQ43          I I D R W D
UniRef90_I6Z2G5          I V D K I D Y N E N E L
UniRef90_Q0RVS4          V I D
UniRef90_D5SXL3          L V D
UniRef90_Q31HD4          I I D D W Q
UniRef90_W0IU19          I I D T I S
UniRef90_D0LNL5
UniRef90_A5EF45          I I D D W S E E
UniRef90_X1G138          L
UniRef90_Q75W35          I I D D W Q P E
UniRef90_R5EHE9          I V D E
UniRef90_UPI0003606129   S V D E T S T T H R
UniRef90_M5UC28          L V D
UniRef90_L0MA84          I V E K V H R E
UniRef90_K6ZFT5          I I D E V T S N K S S W F K K
UniRef90_A0A023DIU0      I V D S F E
UniRef90_A4A2L8          I L D T V H L R D Q
UniRef90_I7A034          L V D S V
UniRef90_F6DAY5          I I D N W P L D
UniRef90_D0KZ87          I I D H W
UniRef90_D2QXB1          I F D D L R L D
UniRef90_U1A7Z3
UniRef90_L0DA62          L L D R L S
UniRef90_B1ZR95          I V D Q V D
UniRef90_F4CZ24          I A D T V I R S G T V S Y R K
UniRef90_B5JM34          L V D
UniRef90_A0A023S751      I V E K V F R D
UniRef90_X3EPB0
UniRef90_E7C203          I V D E V Y E S E N T
UniRef90_UPI00029AF676   I L D T I E V D
UniRef90_U2B907          I L D E
UniRef90_UPI00036C2B92   I I D R R S C D
UniRef90_W1H7X9          I V D S L S R
UniRef90_X1VCX8          H V E R I D L
UniRef90_B5JM35          L L D S F Q
UniRef90_X1TZ14          I L E H V S I N K K E I L N K
UniRef90_UPI0003615227   L V D E
UniRef90_E8R089          L L D Q V D I
UniRef90_F0SHA4          I L D H L D I E D
UniRef90_UPI0003EB5B1C
UniRef90_M5RRE2          L I D Q
UniRef90_X0XLB7
UniRef90_X0U345
UniRef90_H6P4E4          I V D T L S R
UniRef90_T5V4S9
UniRef90_L8E886          I V D S F D
UniRef90_UPI0003720465   L I
UniRef90_UPI00030FAA99   S L D N Y D
UniRef90_S6ER62          I V D E
UniRef90_X1FRV5          I V D M V E E Y D K I V F K K
UniRef90_X0RLI6          I V D A I
UniRef90_D5SXL1          L L D K I E L
UniRef90_F4FAP8


lupas_21
lupas_14
lupas_28
jnet                     →→→→
```

1
10
20
30
40
B
B B
sol0
jhmm
jpssm

50
60
70
80
sol0
jhmm
jpssm

90
sol0
jhmm
jpssm
B