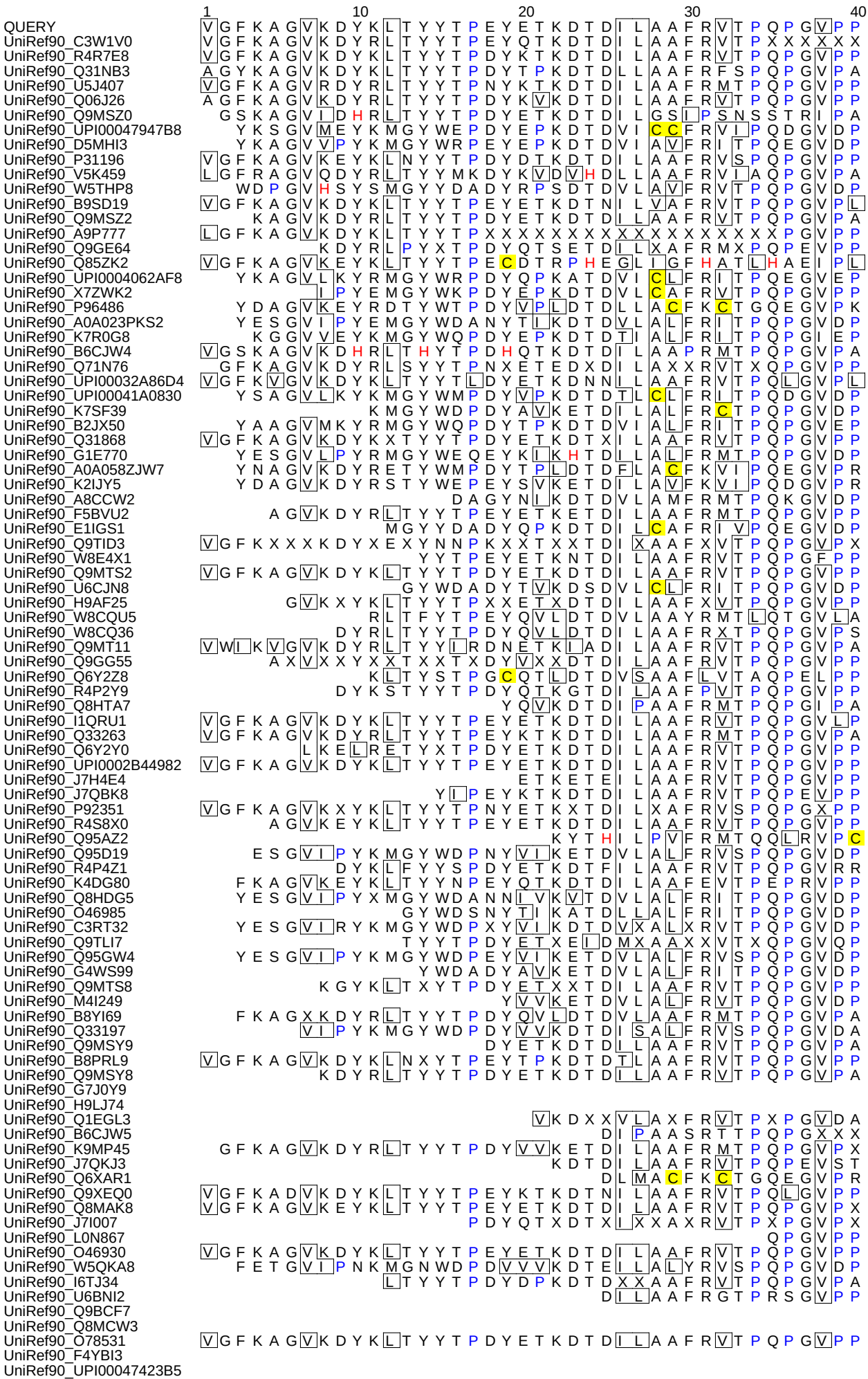
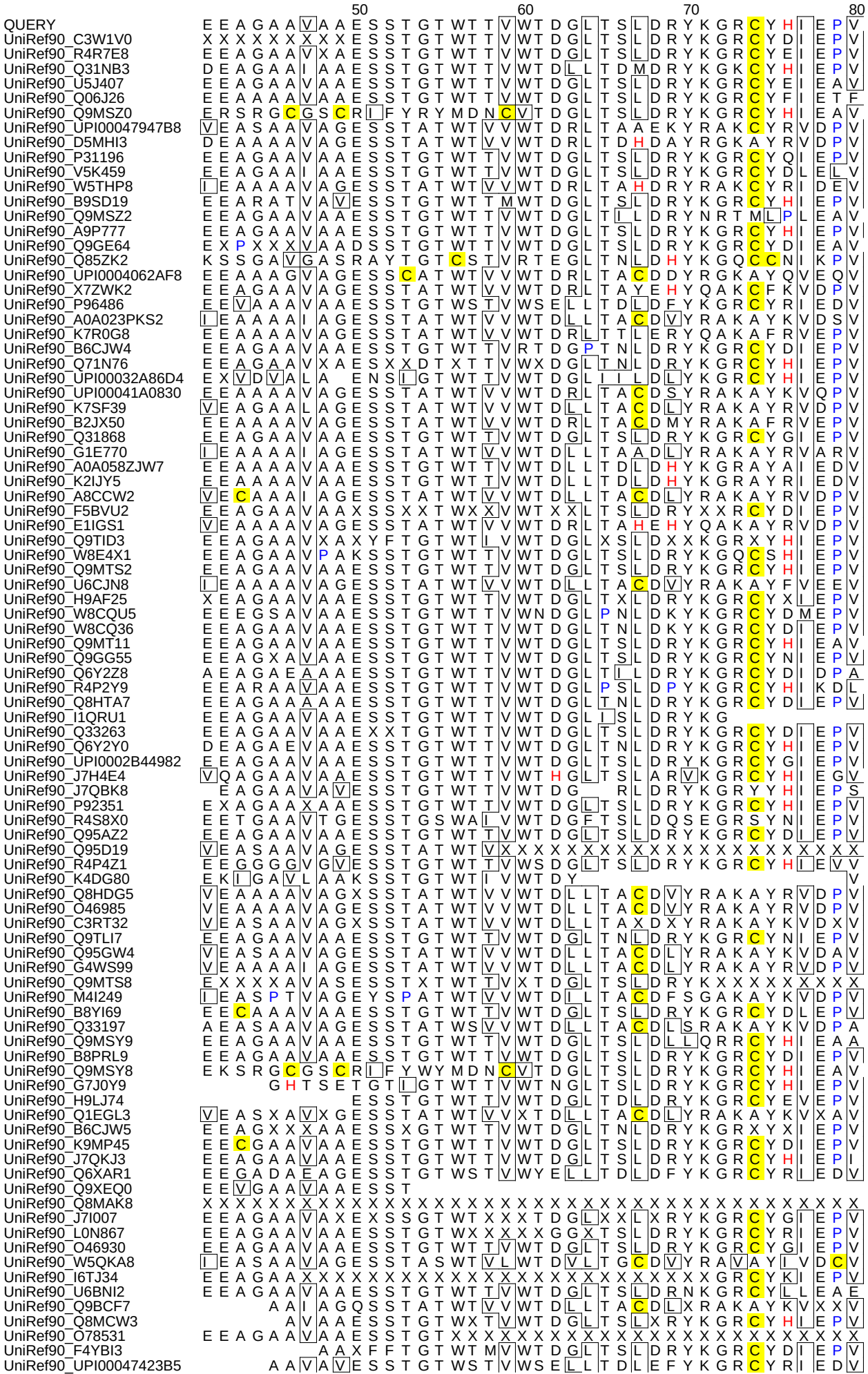
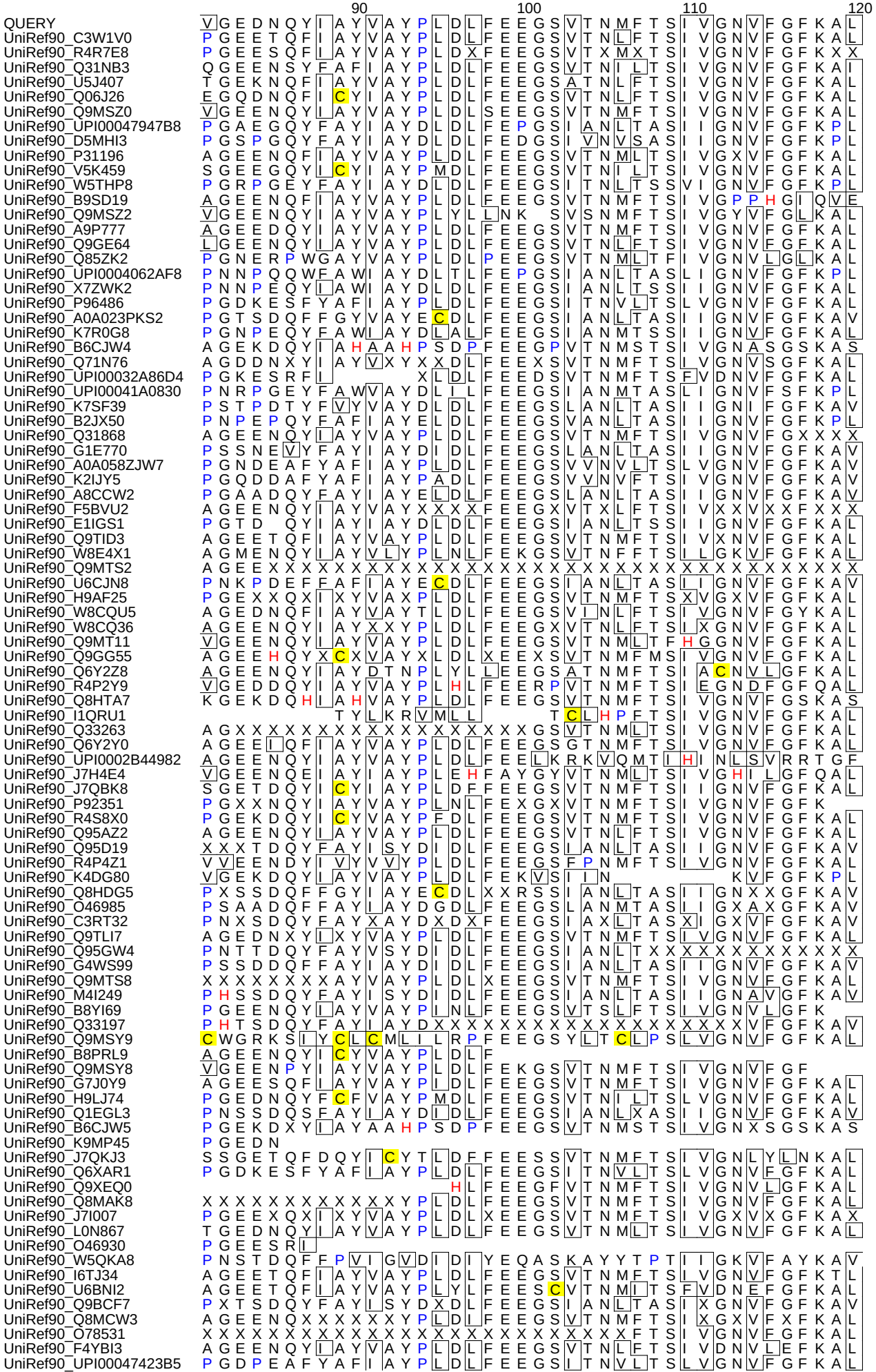
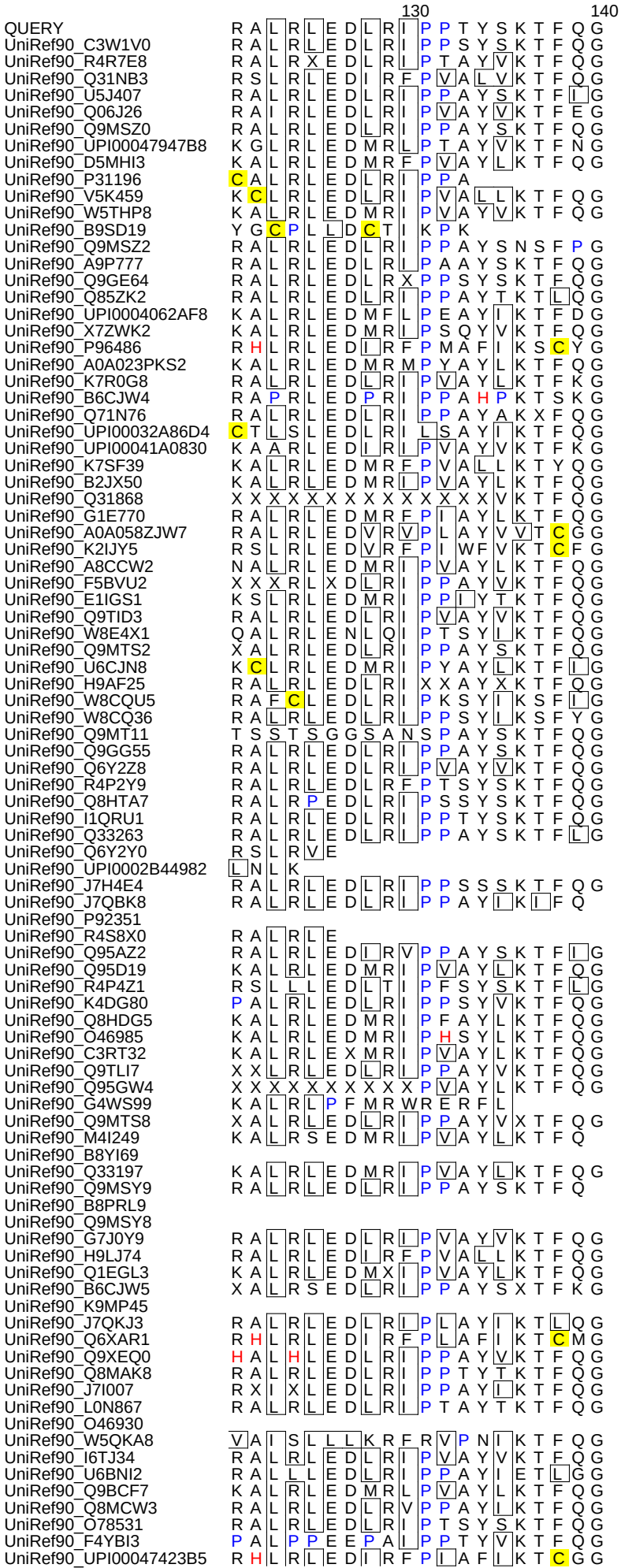
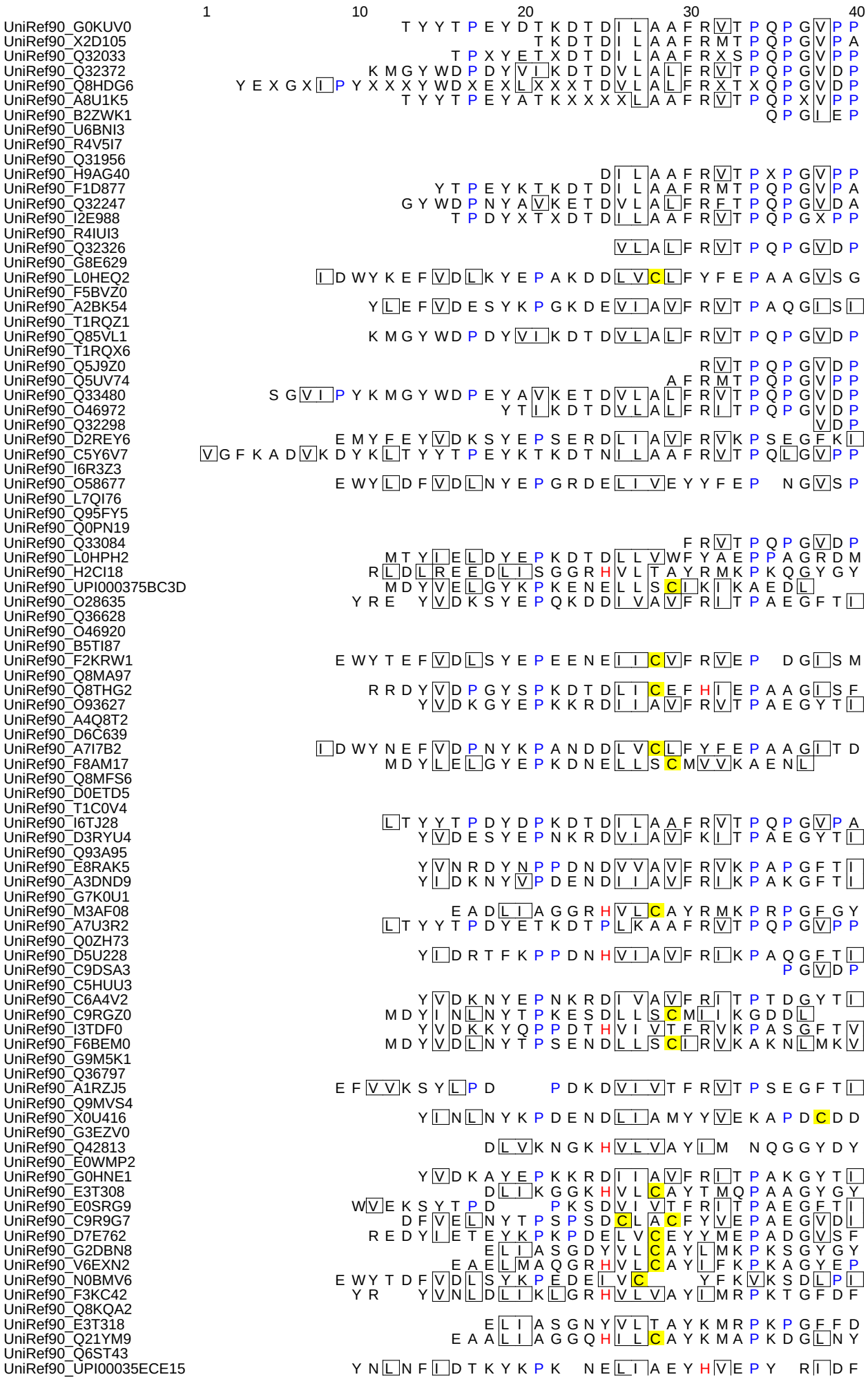
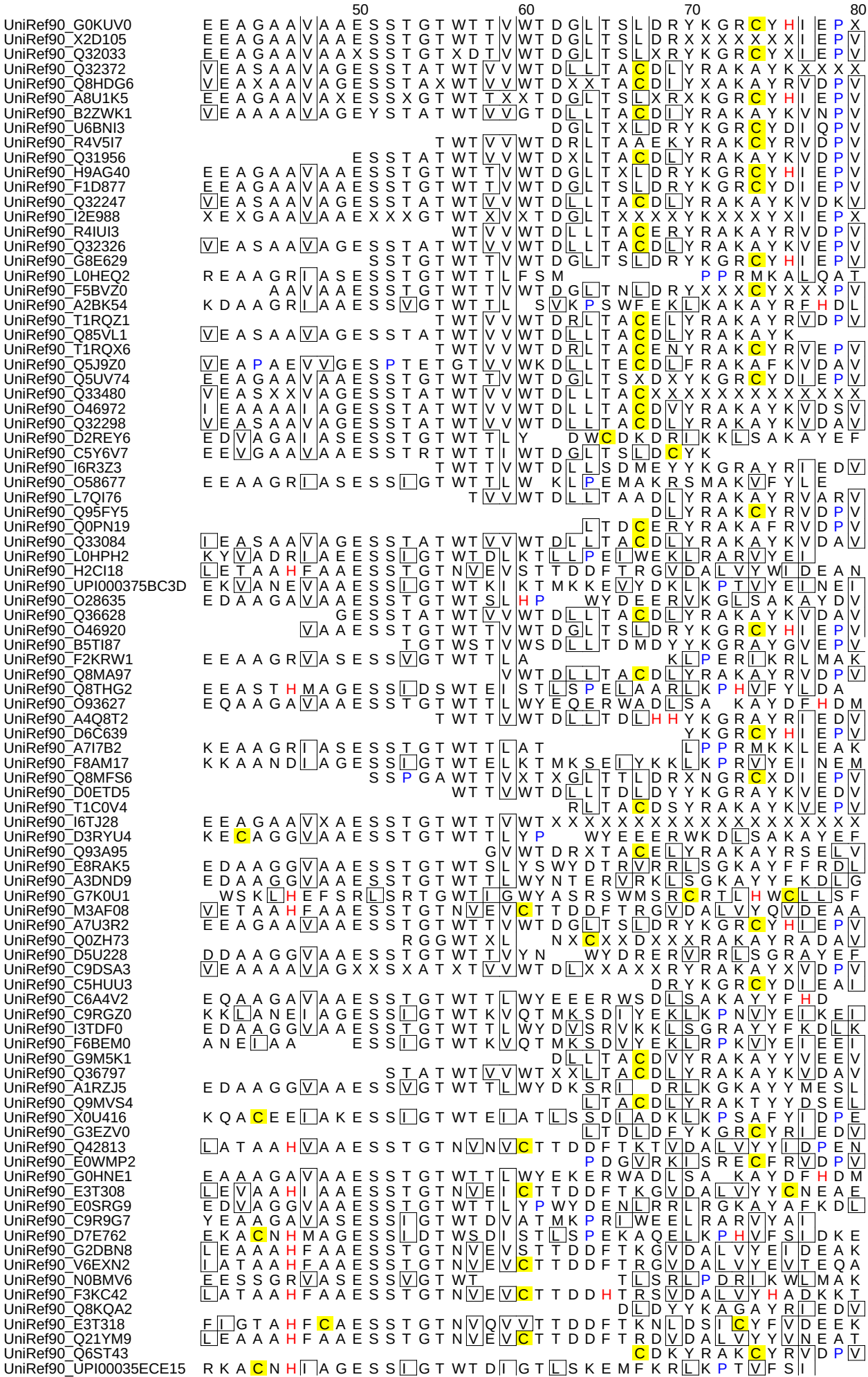

1
10
20
30
40
QUERY
UniRef90_C3W1V0
UniRef90_R4R7E8
UniRef90_Q31NB3
UniRef90_U5J407
UniRef90_Q06J26
UniRef90_Q9MSZ0
UniRef90_UPI00047947B8
UniRef90_D5MHI3
UniRef90_P31196
UniRef90_V5K459
UniRef90_W5THP8
UniRef90_B9SD19
UniRef90_Q9MSZ2
UniRef90_A9P777
UniRef90_Q9GE64
UniRef90_Q85ZK2
UniRef90_UPI0004062AF8
UniRef90_X7ZWK2
UniRef90_P96486
UniRef90_A0A023PKS2
UniRef90_K7R0G8
UniRef90_B6CJW4
UniRef90_Q71N76
UniRef90_UPI00032A86D4
UniRef90_UPI00041A0830
UniRef90_K7SF39
UniRef90_B2JX50
UniRef90_Q31868
UniRef90_G1E770
UniRef90_A0A058ZJW7
UniRef90_K2IJY5
UniRef90_A8CCW2
UniRef90_F5BVU2
UniRef90_E1IGS1
UniRef90_Q9TID3
UniRef90_W8E4X1
UniRef90_Q9MTS2
UniRef90_U6CJN8
UniRef90_H9AF25
UniRef90_W8CQU5
UniRef90_W8CQ36
UniRef90_Q9MT11
UniRef90_Q9GG55
UniRef90_Q6Y2Z8
UniRef90_R4P2Y9
UniRef90_Q8HTA7
UniRef90_I1QRU1
UniRef90_Q33263
UniRef90_Q6Y2Y0
UniRef90_UPI0002B44982
UniRef90_J7H4E4
UniRef90_J7QBK8
UniRef90_P92351
UniRef90_R4S8X0
UniRef90_Q95AZ2
UniRef90_Q95D19
UniRef90_R4P4Z1
UniRef90_K4DG80
UniRef90_Q8HDG5
UniRef90_O46985
UniRef90_C3RT32
UniRef90_Q9TLI7
UniRef90_Q95GW4
UniRef90_G4WS99
UniRef90_Q9MTS8
UniRef90_M4I249
UniRef90_B8YI69
UniRef90_Q33197
UniRef90_Q9MSY9
UniRef90_B8PRL9
UniRef90_Q9MSY8
UniRef90_G7J0Y9
UniRef90_H9LJ74
UniRef90_Q1EGL3
UniRef90_B6CJW5
UniRef90_K9MP45
UniRef90_J7QKJ3
UniRef90_Q6XAR1
UniRef90_Q9XEQ0
UniRef90_Q8MAK8
UniRef90_J7I007
UniRef90_L0N867
UniRef90_O46930
UniRef90_W5QKA8
UniRef90_I6TJ34
UniRef90_U6BNI2
UniRef90_Q9BCF7
UniRef90_Q8MCW3
UniRef90_O78531
UniRef90_F4YBI3
UniRef90_UPI00047423B5

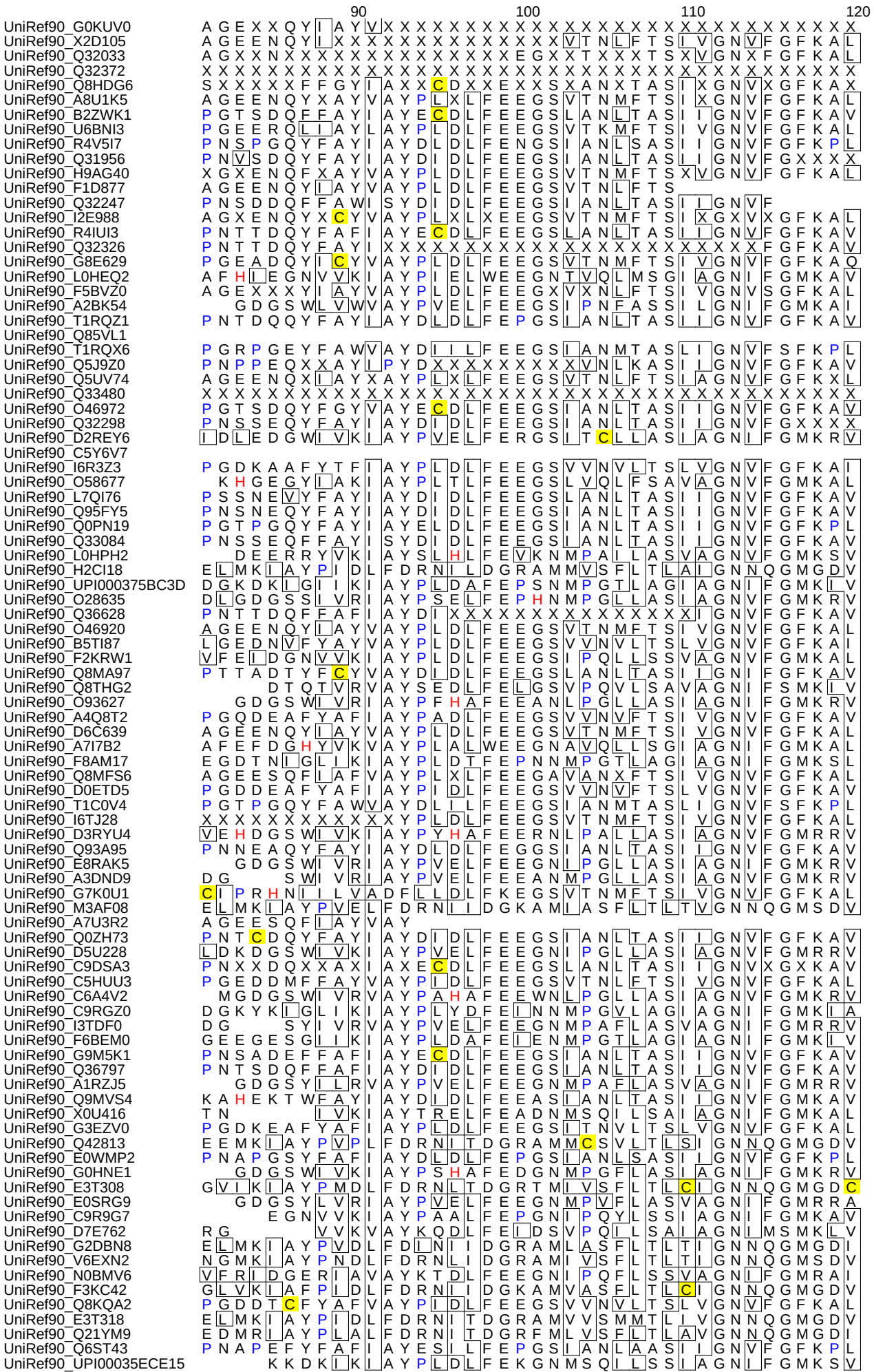

50
60
70
80
QUERY
UniRef90_C3W1V0
UniRef90_R4R7E8
UniRef90_Q31NB3
UniRef90_U5J407
UniRef90_Q06J26
UniRef90_Q9MSZ0
UniRef90_UPI00047947B8
UniRef90_D5MHI3
UniRef90_P31196
UniRef90_V5K459
UniRef90_W5THP8
UniRef90_B9SD19
UniRef90_Q9MSZ2
UniRef90_A9P777
UniRef90_Q9GE64
UniRef90_Q85ZK2
UniRef90_UPI0004062AF8
UniRef90_X7ZWK2
UniRef90_P96486
UniRef90_A0A023PKS2
UniRef90_K7R0G8
UniRef90_B6CJW4
UniRef90_Q71N76
UniRef90_UPI00032A86D4
UniRef90_UPI00041A0830
UniRef90_K7SF39
UniRef90_B2JX50
UniRef90_Q31868
UniRef90_G1E770
UniRef90_A0A058ZJW7
UniRef90_K2IJY5
UniRef90_A8CCW2
UniRef90_F5BVU2
UniRef90_E1IGS1
UniRef90_Q9TID3
UniRef90_W8E4X1
UniRef90_Q9MTS2
UniRef90_U6CJN8
UniRef90_H9AF25
UniRef90_W8CQU5
UniRef90_W8CQ36
UniRef90_Q9MT11
UniRef90_Q9GG55
UniRef90_Q6Y2Z8
UniRef90_R4P2Y9
UniRef90_Q8HTA7
UniRef90_I1QRU1
UniRef90_Q33263
UniRef90_Q6Y2Y0
UniRef90_UPI0002B44982
UniRef90_J7H4E4
UniRef90_J7QBK8
UniRef90_P92351
UniRef90_R4S8X0
UniRef90_Q95AZ2
UniRef90_Q95D19
UniRef90_R4P4Z1
UniRef90_K4DG80
UniRef90_Q8HDG5
UniRef90_O46985
UniRef90_C3RT32
UniRef90_Q9TLI7
UniRef90_Q95GW4
UniRef90_G4WS99
UniRef90_Q9MTS8
UniRef90_M4I249
UniRef90_B8YI69
UniRef90_Q33197
UniRef90_Q9MSY9
UniRef90_B8PRL9
UniRef90_Q9MSY8
UniRef90_G7J0Y9
UniRef90_H9LJ74
UniRef90_Q1EGL3
UniRef90_B6CJW5
UniRef90_K9MP45
UniRef90_J7QKJ3
UniRef90_Q6XAR1
UniRef90_Q9XEQ0
UniRef90_Q8MAK8
UniRef90_J7I007
UniRef90_L0N867
UniRef90_O46930
UniRef90_W5QKA8
UniRef90_I6TJ34
UniRef90_U6BNI2
UniRef90_Q9BCF7
UniRef90_Q8MCW3
UniRef90_O78531
UniRef90_F4YBI3
UniRef90_UPI00047423B5

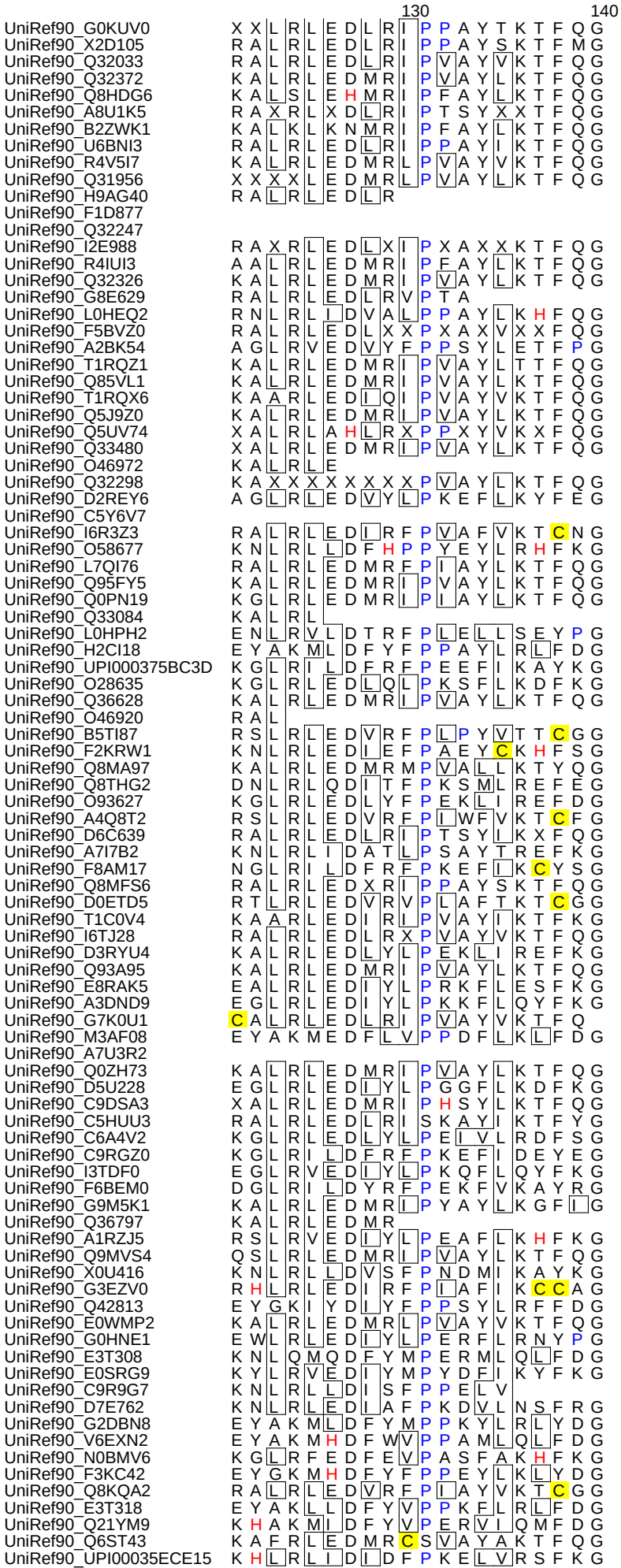

90
100
110
120
QUERY
UniRef90_C3W1V0
UniRef90_R4R7E8
UniRef90_Q31NB3
UniRef90_U5J407
UniRef90_Q06J26
UniRef90_Q9MSZ0
UniRef90_UPI00047947B8
UniRef90_D5MHI3
UniRef90_P31196
UniRef90_V5K459
UniRef90_W5THP8
UniRef90_B9SD19
UniRef90_Q9MSZ2
UniRef90_A9P777
UniRef90_Q9GE64
UniRef90_Q85ZK2
UniRef90_UPI0004062AF8
UniRef90_X7ZWK2
UniRef90_P96486
UniRef90_A0A023PKS2
UniRef90_K7R0G8
UniRef90_B6CJW4
UniRef90_Q71N76
UniRef90_UPI00032A86D4
UniRef90_UPI00041A0830
UniRef90_K7SF39
UniRef90_B2JX50
UniRef90_Q31868
UniRef90_G1E770
UniRef90_A0A058ZJW7
UniRef90_K2IJY5
UniRef90_A8CCW2
UniRef90_F5BVU2
UniRef90_E1IGS1
UniRef90_Q9TID3
UniRef90_W8E4X1
UniRef90_Q9MTS2
UniRef90_U6CJN8
UniRef90_H9AF25
UniRef90_W8CQU5
UniRef90_W8CQ36
UniRef90_Q9MT11
UniRef90_Q9GG55
UniRef90_Q6Y2Z8
UniRef90_R4P2Y9
UniRef90_Q8HTA7
UniRef90_I1QRU1
UniRef90_Q33263
UniRef90_Q6Y2Y0
UniRef90_UPI0002B44982
UniRef90_J7H4E4
UniRef90_J7QBK8
UniRef90_P92351
UniRef90_R4S8X0
UniRef90_Q95AZ2
UniRef90_Q95D19
UniRef90_R4P4Z1
UniRef90_K4DG80
UniRef90_Q8HDG5
UniRef90_O46985
UniRef90_C3RT32
UniRef90_Q9TLI7
UniRef90_Q95GW4
UniRef90_G4WS99
UniRef90_Q9MTS8
UniRef90_M4I249
UniRef90_B8YI69
UniRef90_Q33197
UniRef90_Q9MSY9
UniRef90_B8PRL9
UniRef90_Q9MSY8
UniRef90_G7J0Y9
UniRef90_H9LJ74
UniRef90_Q1EGL3
UniRef90_B6CJW5
UniRef90_K9MP45
UniRef90_J7QKJ3
UniRef90_Q6XAR1
UniRef90_Q9XEQ0
UniRef90_Q8MAK8
UniRef90_J7I007
UniRef90_L0N867
UniRef90_O46930
UniRef90_W5QKA8
UniRef90_I6TJ34
UniRef90_U6BNI2
UniRef90_Q9BCF7
UniRef90_Q8MCW3
UniRef90_O78531
UniRef90_F4YBI3
UniRef90_UPI00047423B5

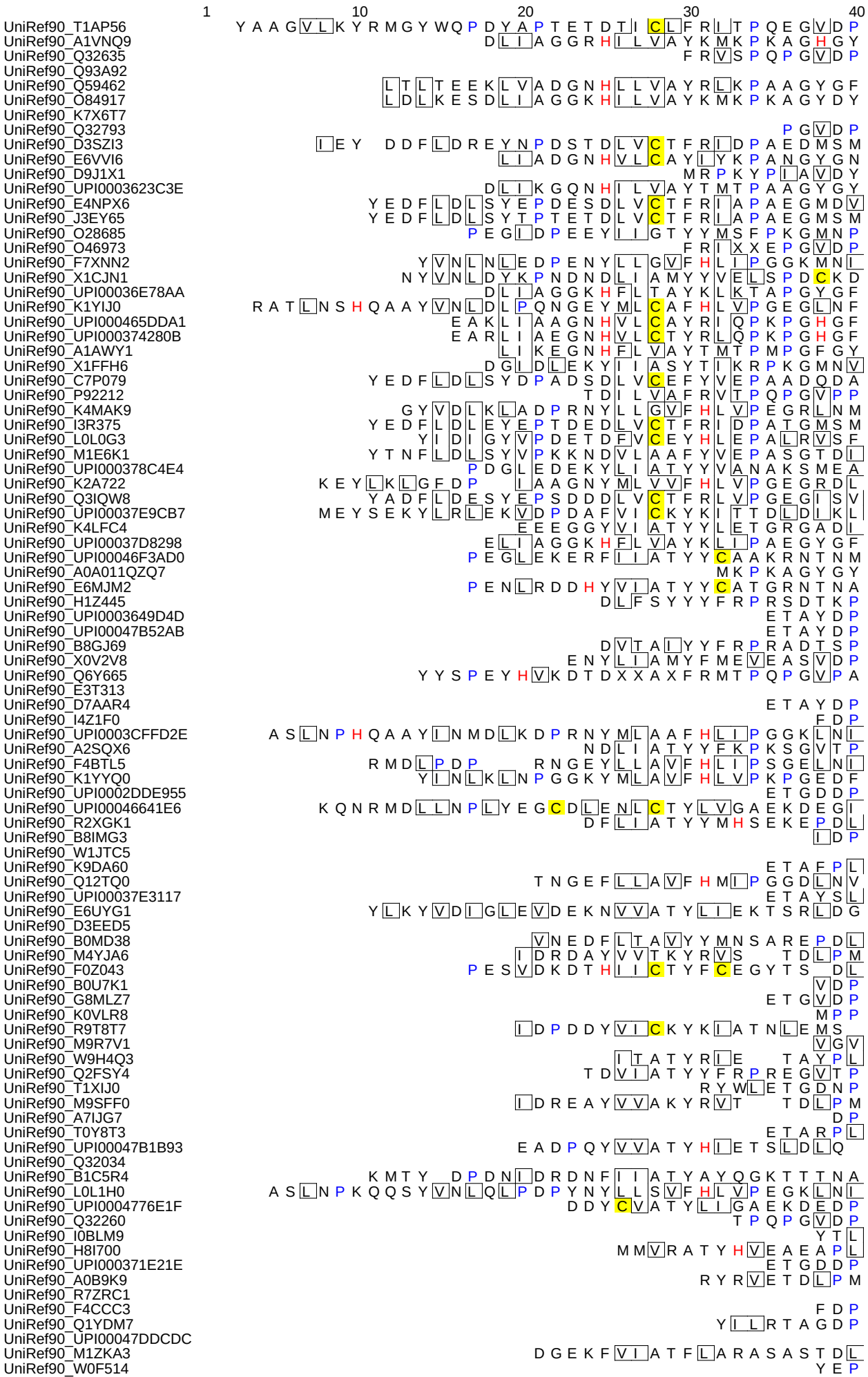

130
140
QUERY R A L R L E D L R I P P T Y S K T F Q G
UniRef90_C3W1V0 R A L R L E D L R I P P S Y S K T F Q G
UniRef90_R4R7E8 R A L R X E D L R I P T A Y V K T F Q G
UniRef90_Q31NB3 R S L R L E D I R F P V A L V K T F Q G
UniRef90_U5J407 R A L R L E D L R I P P A Y S K T F I G
UniRef90_Q06J26 R A I R L E D L R I P V A Y V K T F E G
UniRef90_Q9MSZ0 R A L R L E D L R I P P A Y S K T F Q G
UniRef90_UPI00047947B8 K G L R L E D M R L P T A Y V K T F N G
UniRef90_D5MHI3 K A L R L E D M R F P V A Y L K T F Q G
UniRef90_P31196 C A L R L E D L R I P P A
UniRef90_V5K459 K C L R L E D L R I P V A L L K T F Q G
UniRef90_W5THP8 K A L R L E D M R I P V A Y V K T F Q G
UniRef90_B9SD19 Y G C P L L D C T I K P K
UniRef90_Q9MSZ2 R A L R L E D L R I P P A Y S N S F P G
UniRef90_A9P777 R A L R L E D L R I P A A Y S K T F Q G
UniRef90_Q9GE64 R A L R L E D L R X P P S Y S K T F Q G
UniRef90_Q85ZK2 R A L R L E D L R I P P A Y T K T L Q G
UniRef90_UPI0004062AF8 K A L R L E D M F L P E A Y I K T F D G
UniRef90_X7ZWK2 K A L R L E D M R I P S Q Y V K T F Q G
UniRef90_P96486 R H L R L E D I R F P M A F I K S C Y G
UniRef90_A0A023PKS2 K A L R L E D M R M P Y A Y L K T F Q G
UniRef90_K7R0G8 R A L R L E D L R I P V A Y L K T F K G
UniRef90_B6CJW4 R A P R L E D P R I P P A H P K T S K G
UniRef90_Q71N76 R A L R L E D L R I P P A Y A K X F Q G
UniRef90_UPI00032A86D4 C T L S L E D L R I L S A Y I K T F Q G
UniRef90_UPI00041A0830 K A A R L E D I R I P V A Y V K T F K G
UniRef90_K7SF39 K A L R L E D M R F P V A L L K T Y Q G
UniRef90_B2JX50 K A L R L E D M R I P V A Y L K T F Q G
UniRef90_Q31868 X X X X X X X X X X X X V K T F Q G
UniRef90_G1E770 R A L R L E D M R F P I A Y L K T F Q G
UniRef90_A0A058ZJW7 R A L R L E D V R V P L A Y V V T C G G
UniRef90_K2IJY5 R S L R L E D V R F P I W F V K T C F G
UniRef90_A8CCW2 N A L R L E D M R I P V A Y L K T F Q G
UniRef90_F5BVU2 X X X R L X D L R I P P A Y V K T F Q G
UniRef90_E1IGS1 K S L R L E D M R I P P I Y T K T F Q G
UniRef90_Q9TID3 R A L R L E D L R I P V A Y V K T F Q G
UniRef90_W8E4X1 Q A L R L E N L Q I P T S Y I K T F Q G
UniRef90_Q9MTS2 X A L R L E D L R I P P A Y S K T F Q G
UniRef90_U6CJN8 K C L R L E D M R I P Y A Y L K T F I G
UniRef90_H9AF25 R A L R L E D L R I X X A Y X K T F Q G
UniRef90_W8CQU5 R A F C L E D L R I P K S Y I K S F I G
UniRef90_W8CQ36 R A L R L E D L R I P P S Y I K S F Y G
UniRef90_Q9MT11 T S S T S G G S A N S P A Y S K T F Q G
UniRef90_Q9GG55 R A L R L E D L R I P P A Y S K T F Q G
UniRef90_Q6Y2Z8 R A L R L E D L R I P V A Y V K T F Q G
UniRef90_R4P2Y9 R A L R L E D L R F P T S Y S K T F Q G
UniRef90_Q8HTA7 R A L R P E D L R I P S S Y S K T F Q G
UniRef90_I1QRU1 R A L R L E D L R I P P T Y S K T F Q G
UniRef90_Q33263 R A L R L E D L R I P P A Y S K T F L G
UniRef90_Q6Y2Y0 R S L R V E
UniRef90_UPI0002B44982 L N L K
UniRef90_J7H4E4 R A L R L E D L R I P P S S S K T F Q G
UniRef90_J7QBK8 R A L R L E D L R I P P A Y I K I F Q
UniRef90_P92351
UniRef90_R4S8X0 R A L R L E
UniRef90_Q95AZ2 R A L R L E D I R V P P A Y S K T F I G
UniRef90_Q95D19 K A L R L E D M R I P V A Y L K T F Q G
UniRef90_R4P4Z1 R S L L L E D L T I P F S Y S K T F L G
UniRef90_K4DG80 P A L R L E D L R I P P S Y V K T F Q G
UniRef90_Q8HDG5 K A L R L E D M R I P F A Y L K T F Q G
UniRef90_O46985 K A L R L E D M R I P H S Y L K T F Q G
UniRef90_C3RT32 K A L R L E X M R I P V A Y L K T F Q G
UniRef90_Q9TLI7 X X L R L E D L R I P P A Y V K T F Q G
UniRef90_Q95GW4 X X X X X X X X X P V A Y L K T F Q G
UniRef90_G4WS99 K A L R L P F M R W R E R F L
UniRef90_Q9MTS8 X A L R L E D L R I P P A Y V X T F Q G
UniRef90_M4I249 K A L R S E D M R I P V A Y L K T F Q
UniRef90_B8YI69
UniRef90_Q33197 K A L R L E D M R I P V A Y L K T F Q G
UniRef90_Q9MSY9 R A L R L E D L R I P P A Y S K T F Q
UniRef90_B8PRL9
UniRef90_Q9MSY8
UniRef90_G7J0Y9 R A L R L E D L R I P V A Y V K T F Q G
UniRef90_H9LJ74 R A L R L E D I R F P V A L L K T F Q G
UniRef90_Q1EGL3 K A L R L E D M X I P V A Y L K T F Q G
UniRef90_B6CJW5 X A L R S E D L R I P P A Y S X T F K G
UniRef90_K9MP45
UniRef90_J7QKJ3 R A L R L E D L R I P L A Y I K T L Q G
UniRef90_Q6XAR1 R H L R L E D I R F P L A F I K T C M G
UniRef90_Q9XEQ0 H A L H L E D L R I P P A Y V K T F Q G
UniRef90_Q8MAK8 R A L R L E D L R I P P T Y T K T F Q G
UniRef90_J7I007 R X I X L E D L R I P P A Y I K T F Q G
UniRef90_L0N867 R A L R L E D L R I P T A Y T K T F Q G
UniRef90_O46930
UniRef90_W5QKA8 V A I S L L L K R F R V P N I K T F Q G
UniRef90_I6TJ34 R A L R L E D L R I P V A Y V K T F Q G
UniRef90_U6BNI2 R A L L L E D L R I P P A Y I E T L G G
UniRef90_Q9BCF7 K A L R L E D M R L P V A Y L K T F Q G
UniRef90_Q8MCW3 R A L R L E D L R V P P A Y I K T F Q G
UniRef90_O78531 R A L R L E D L R I P T S Y S K T F Q G
UniRef90_F4YBI3 P A L P P E E P A I P P T Y V K T F Q G
UniRef90_UPI00047423B5 R H L R L E D I R F P I A F I K T C G G

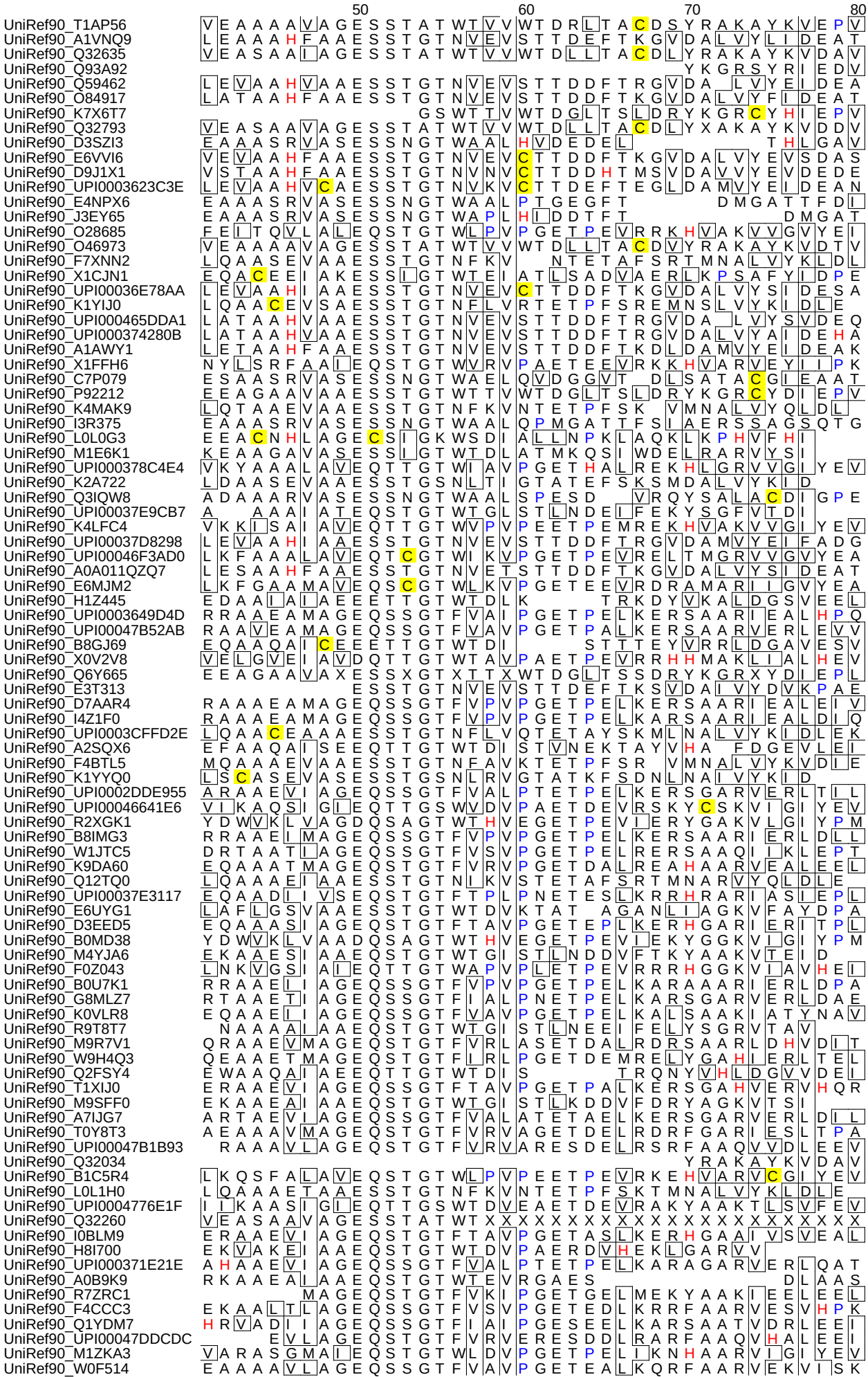

1
10
20
30
40
UniRef90_G0KUV0
UniRef90_X2D105
UniRef90_Q32033
UniRef90_Q32372
UniRef90_Q8HDG6
UniRef90_A8U1K5
UniRef90_B2ZWK1
UniRef90_U6BNI3
UniRef90_R4V5I7
UniRef90_Q31956
UniRef90_H9AG40
UniRef90_F1D877
UniRef90_Q32247
UniRef90_I2E988
UniRef90_R4IUI3
UniRef90_Q32326
UniRef90_G8E629
UniRef90_L0HEQ2
UniRef90_F5BVZ0
UniRef90_A2BK54
UniRef90_T1RQZ1
UniRef90_Q85VL1
UniRef90_T1RQX6
UniRef90_Q5J9Z0
UniRef90_Q5UV74
UniRef90_Q33480
UniRef90_O46972
UniRef90_Q32298
UniRef90_D2REY6
UniRef90_C5Y6V7
UniRef90_I6R3Z3
UniRef90_O58677
UniRef90_L7QI76
UniRef90_Q95FY5
UniRef90_Q0PN19
UniRef90_Q33084
UniRef90_L0HPH2
UniRef90_H2CI18
UniRef90_UPI000375BC3D
UniRef90_O28635
UniRef90_Q36628
UniRef90_O46920
UniRef90_B5TI87
UniRef90_F2KRW1
UniRef90_Q8MA97
UniRef90_Q8THG2
UniRef90_O93627
UniRef90_A4Q8T2
UniRef90_D6C639
UniRef90_A7I7B2
UniRef90_F8AM17
UniRef90_Q8MFS6
UniRef90_D0ETD5
UniRef90_T1C0V4
UniRef90_I6TJ28
UniRef90_D3RYU4
UniRef90_Q93A95
UniRef90_E8RAK5
UniRef90_A3DND9
UniRef90_G7K0U1
UniRef90_M3AF08
UniRef90_A7U3R2
UniRef90_Q0ZH73
UniRef90_D5U228
UniRef90_C9DSA3
UniRef90_C5HUU3
UniRef90_C6A4V2
UniRef90_C9RGZ0
UniRef90_I3TDF0
UniRef90_F6BEM0
UniRef90_G9M5K1
UniRef90_Q36797
UniRef90_A1RZJ5
UniRef90_Q9MVS4
UniRef90_X0U416
UniRef90_G3EZV0
UniRef90_Q42813
UniRef90_E0WMP2
UniRef90_G0HNE1
UniRef90_E3T308
UniRef90_E0SRG9
UniRef90_C9R9G7
UniRef90_D7E762
UniRef90_G2DBN8
UniRef90_V6EXN2
UniRef90_N0BMV6
UniRef90_F3KC42
UniRef90_Q8KQA2
UniRef90_E3T318
UniRef90_Q21YM9
UniRef90_Q6ST43
UniRef90_UPI00035ECE15

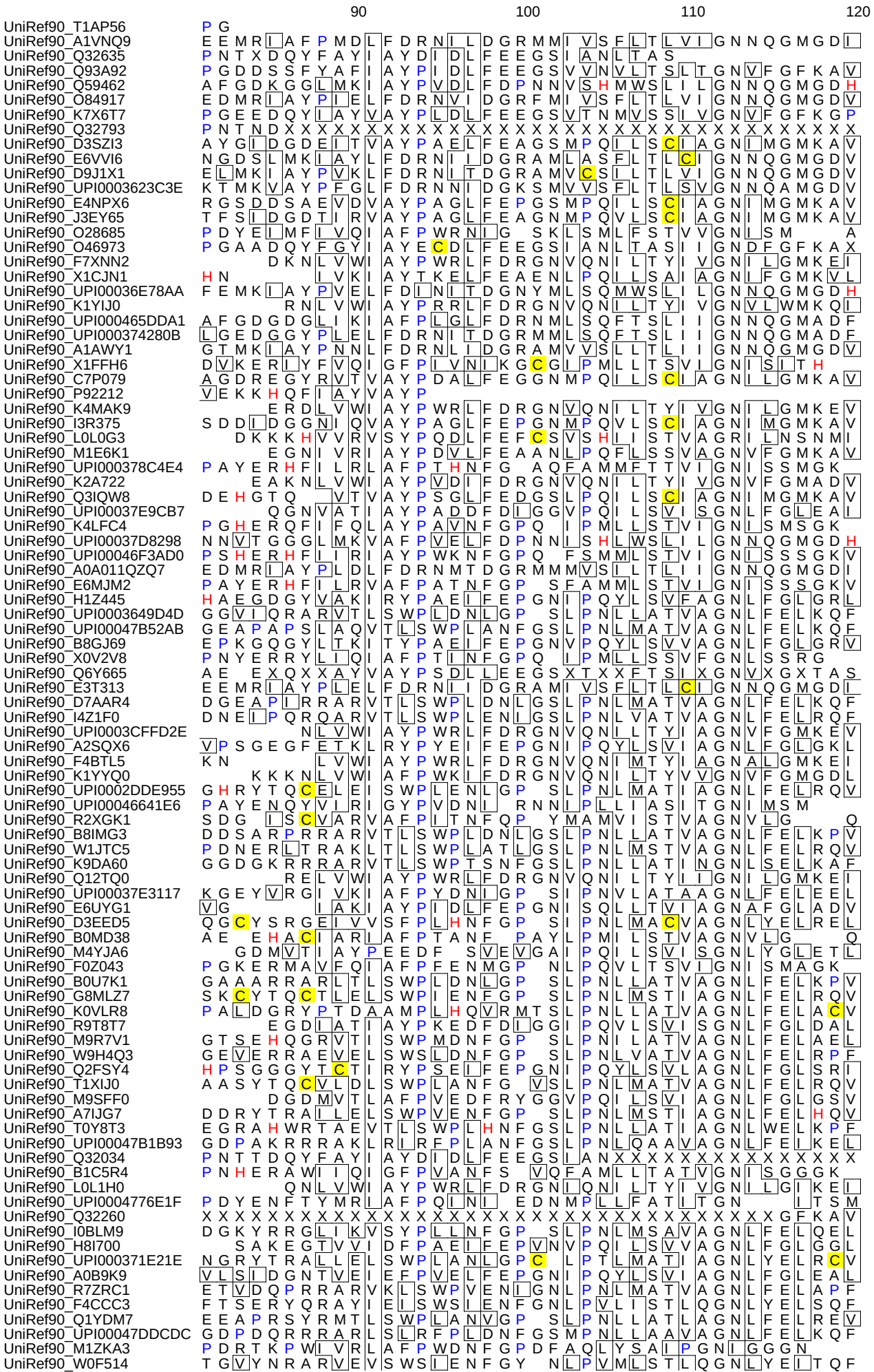

50
60
70
80
UniRef90_G0KUV0
UniRef90_X2D105
UniRef90_Q32033
UniRef90_Q32372
UniRef90_Q8HDG6
UniRef90_A8U1K5
UniRef90_B2ZWK1
UniRef90_U6BNI3
UniRef90_R4V5I7
UniRef90_Q31956
UniRef90_H9AG40
UniRef90_F1D877
UniRef90_Q32247
UniRef90_I2E988
UniRef90_R4IUI3
UniRef90_Q32326
UniRef90_G8E629
UniRef90_L0HEQ2
UniRef90_F5BVZ0
UniRef90_A2BK54
UniRef90_T1RQZ1
UniRef90_Q85VL1
UniRef90_T1RQX6
UniRef90_Q5J9Z0
UniRef90_Q5UV74
UniRef90_Q33480
UniRef90_O46972
UniRef90_Q32298
UniRef90_D2REY6
UniRef90_C5Y6V7
UniRef90_I6R3Z3
UniRef90_O58677
UniRef90_L7QI76
UniRef90_Q95FY5
UniRef90_Q0PN19
UniRef90_Q33084
UniRef90_L0HPH2
UniRef90_H2CI18
UniRef90_UPI000375BC3D
UniRef90_O28635
UniRef90_Q36628
UniRef90_O46920
UniRef90_B5TI87
UniRef90_F2KRW1
UniRef90_Q8MA97
UniRef90_Q8THG2
UniRef90_O93627
UniRef90_A4Q8T2
UniRef90_D6C639
UniRef90_A7I7B2
UniRef90_F8AM17
UniRef90_Q8MFS6
UniRef90_D0ETD5
UniRef90_T1C0V4
UniRef90_I6TJ28
UniRef90_D3RYU4
UniRef90_Q93A95
UniRef90_E8RAK5
UniRef90_A3DND9
UniRef90_G7K0U1
UniRef90_M3AF08
UniRef90_A7U3R2
UniRef90_Q0ZH73
UniRef90_D5U228
UniRef90_C9DSA3
UniRef90_C5HUU3
UniRef90_C6A4V2
UniRef90_C9RGZ0
UniRef90_I3TDF0
UniRef90_F6BEM0
UniRef90_G9M5K1
UniRef90_Q36797
UniRef90_A1RZJ5
UniRef90_Q9MVS4
UniRef90_X0U416
UniRef90_G3EZV0
UniRef90_Q42813
UniRef90_E0WMP2
UniRef90_G0HNE1
UniRef90_E3T308
UniRef90_E0SRG9
UniRef90_C9R9G7
UniRef90_D7E762
UniRef90_G2DBN8
UniRef90_V6EXN2
UniRef90_N0BMV6
UniRef90_F3KC42
UniRef90_Q8KQA2
UniRef90_E3T318
UniRef90_Q21YM9
UniRef90_Q6ST43
UniRef90_UPI00035ECE15

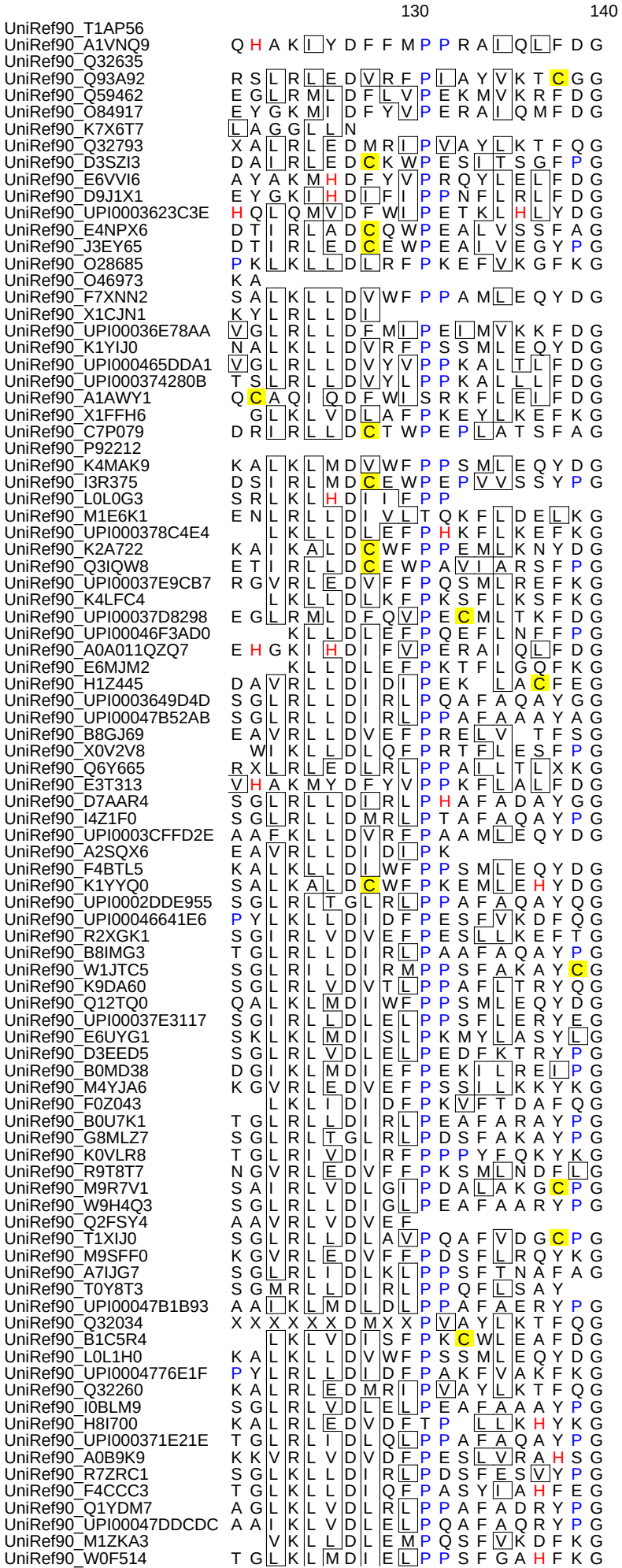

90
100
110
120
UniRef90_G0KUV0
UniRef90_X2D105
UniRef90_Q32033
UniRef90_Q32372
UniRef90_Q8HDG6
UniRef90_A8U1K5
UniRef90_B2ZWK1
UniRef90_U6BNI3
UniRef90_R4V5I7
UniRef90_Q31956
UniRef90_H9AG40
UniRef90_F1D877
UniRef90_Q32247
UniRef90_I2E988
UniRef90_R4IUI3
UniRef90_Q32326
UniRef90_G8E629
UniRef90_L0HEQ2
UniRef90_F5BVZ0
UniRef90_A2BK54
UniRef90_T1RQZ1
UniRef90_Q85VL1
UniRef90_T1RQX6
UniRef90_Q5J9Z0
UniRef90_Q5UV74
UniRef90_Q33480
UniRef90_O46972
UniRef90_Q32298
UniRef90_D2REY6
UniRef90_C5Y6V7
UniRef90_I6R3Z3
UniRef90_O58677
UniRef90_L7QI76
UniRef90_Q95FY5
UniRef90_Q0PN19
UniRef90_Q33084
UniRef90_L0HPH2
UniRef90_H2CI18
UniRef90_UPI000375BC3D
UniRef90_O28635
UniRef90_Q36628
UniRef90_O46920
UniRef90_B5TI87
UniRef90_F2KRW1
UniRef90_Q8MA97
UniRef90_Q8THG2
UniRef90_O93627
UniRef90_A4Q8T2
UniRef90_D6C639
UniRef90_A7I7B2
UniRef90_F8AM17
UniRef90_Q8MFS6
UniRef90_D0ETD5
UniRef90_T1C0V4
UniRef90_I6TJ28
UniRef90_D3RYU4
UniRef90_Q93A95
UniRef90_E8RAK5
UniRef90_A3DND9
UniRef90_G7K0U1
UniRef90_M3AF08
UniRef90_A7U3R2
UniRef90_Q0ZH73
UniRef90_D5U228
UniRef90_C9DSA3
UniRef90_C5HUU3
UniRef90_C6A4V2
UniRef90_C9RGZ0
UniRef90_I3TDF0
UniRef90_F6BEM0
UniRef90_G9M5K1
UniRef90_Q36797
UniRef90_A1RZJ5
UniRef90_Q9MVS4
UniRef90_X0U416
UniRef90_G3EZV0
UniRef90_Q42813
UniRef90_E0WMP2
UniRef90_G0HNE1
UniRef90_E3T308
UniRef90_E0SRG9
UniRef90_C9R9G7
UniRef90_D7E762
UniRef90_G2DBN8
UniRef90_V6EXN2
UniRef90_N0BMV6
UniRef90_F3KC42
UniRef90_Q8KQA2
UniRef90_E3T318
UniRef90_Q21YM9
UniRef90_Q6ST43
UniRef90_UPI00035ECE15

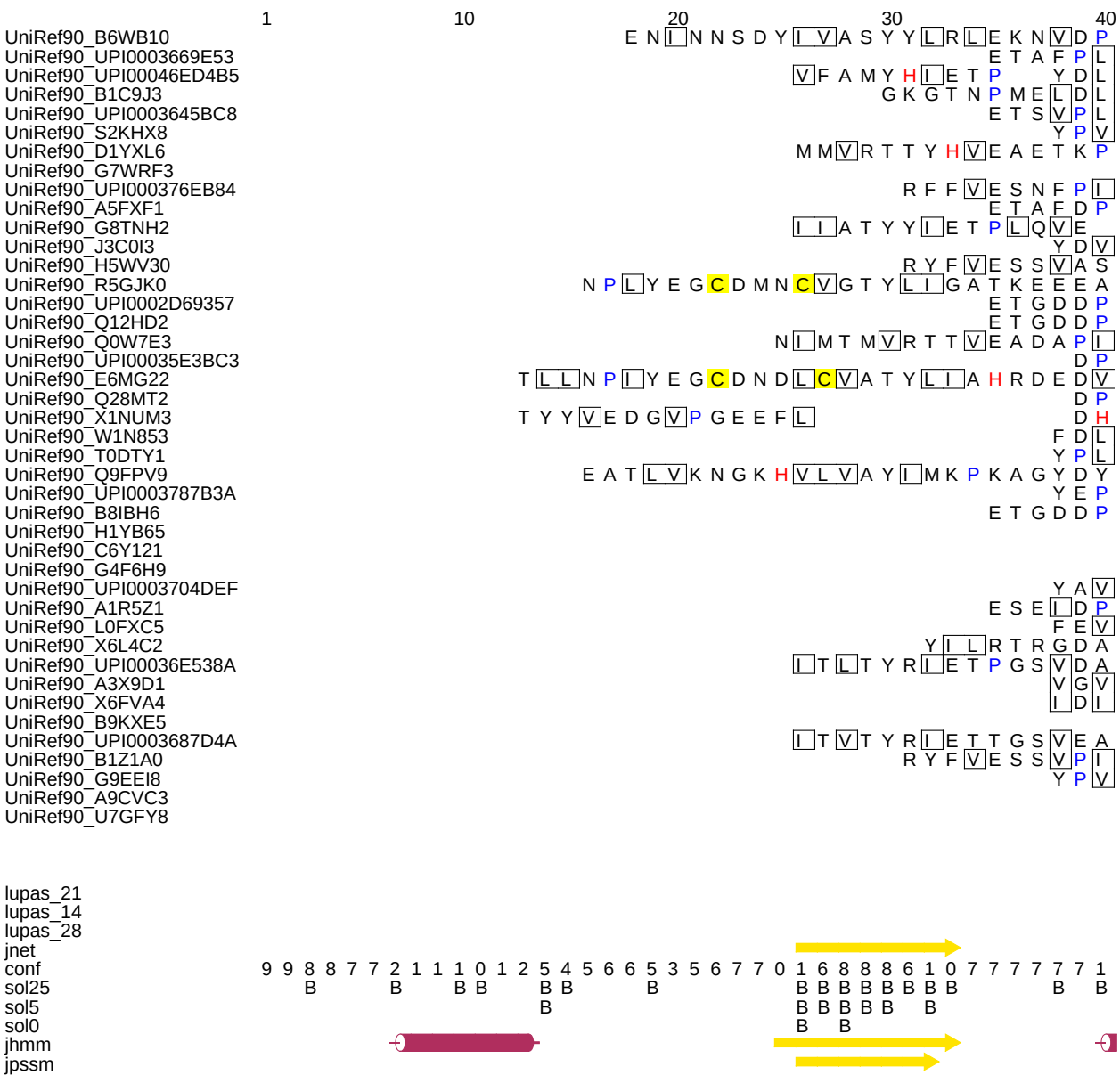

130
140
UniRef90_G0KUV0 X X L R L E D L R I P P A Y T K T F Q G
UniRef90_X2D105 R A L R L E D L R I P P A Y S K T F M G
UniRef90_Q32033 R A L R L E D L R I P V A Y V K T F Q G
UniRef90_Q32372 K A L R L E D M R I P V A Y L K T F Q G
UniRef90_Q8HDG6 K A L S L E H M R I P F A Y L K T F Q G
UniRef90_A8U1K5 R A X R L X D L R I P T S Y X X T F Q G
UniRef90_B2ZWK1 K A L K L K N M R I P F A Y L K T F Q G
UniRef90_U6BNI3 R A L R L E D L R I P P A Y I K T F Q G
UniRef90_R4V5I7 K A L R L E D M R L P V A Y V K T F Q G
UniRef90_Q31956 X X X X L E D M R L P V A Y L K T F Q G
UniRef90_H9AG40 R A L R L E D L R
UniRef90_F1D877
UniRef90_Q32247
UniRef90_I2E988 R A X R L E D L X I P X A X X K T F Q G
UniRef90_R4IUI3 A A L R L E D M R I P F A Y L K T F Q G
UniRef90_Q32326 K A L R L E D M R I P V A Y L K T F Q G
UniRef90_G8E629 R A L R L E D L R V P T A
UniRef90_L0HEQ2 R N L R L I D V A L P P A Y L K H F Q G
UniRef90_F5BVZ0 R A L R L E D L X X P X A X V X X F Q G
UniRef90_A2BK54 A G L R V E D V Y F P P S Y L E T F P G
UniRef90_T1RQZ1 K A L R L E D M R I P V A Y L T T F Q G
UniRef90_Q85VL1 K A L R L E D M R I P V A Y L K T F Q G
UniRef90_T1RQX6 K A A R L E D I Q I P V A Y V K T F Q G
UniRef90_Q5J9Z0 K A L R L E D M R I P V A Y L K T F Q G
UniRef90_Q5UV74 X A L R L A H L R X P P X Y V K X F Q G
UniRef90_Q33480 X A L R L E D M R I P V A Y L K T F Q G
UniRef90_O46972 K A L R L E
UniRef90_Q32298 K A X X X X X X X P V A Y L K T F Q G
UniRef90_D2REY6 A G L R L E D V Y L P K E F L K Y F E G
UniRef90_C5Y6V7
UniRef90_I6R3Z3 R A L R L E D I R F P V A F V K T C N G
UniRef90_O58677 K N L R L L D F H P P Y E Y L R H F K G
UniRef90_L7QI76 R A L R L E D M R F P I A Y L K T F Q G
UniRef90_Q95FY5 K A L R L E D M R I P V A Y L K T F Q G
UniRef90_Q0PN19 K G L R L E D M R I P I A Y L K T F Q G
UniRef90_Q33084 K A L R L
UniRef90_L0HPH2 E N L R V L D T R F P L E L L S E Y P G
UniRef90_H2CI18 E Y A K M L D F Y F P P A Y L R L F D G
UniRef90_UPI000375BC3D K G L R I L D F R F P E E F I K A Y K G
UniRef90_O28635 K G L R L E D L Q L P K S F L K D F K G
UniRef90_Q36628 K A L R L E D M R I P V A Y L K T F Q G
UniRef90_O46920 R A L
UniRef90_B5TI87 R S L R L E D V R F P L P Y V T T C G G
UniRef90_F2KRW1 K N L R L E D I E F P A E Y C K H F S G
UniRef90_Q8MA97 K A L R L E D M R M P V A L L K T Y Q G
UniRef90_Q8THG2 D N L R L Q D I T F P K S M L R E F E G
UniRef90_O93627 K G L R L E D L Y F P E K L I R E F D G
UniRef90_A4Q8T2 R S L R L E D V R F P I W F V K T C F G
UniRef90_D6C639 R A L R L E D L R I P T S Y I K X F Q G
UniRef90_A7I7B2 K N L R L I D A T L P S A Y T R E F K G
UniRef90_F8AM17 N G L R I L D F R F P K E F I K C Y S G
UniRef90_Q8MFS6 R A L R L E D X R I P P A Y S K T F Q G
UniRef90_D0ETD5 R T L R L E D V R V P L A F T K T C G G
UniRef90_T1C0V4 K A A R L E D I R I P V A Y I K T F K G
UniRef90_I6TJ28 R A L R L E D L R X P V A Y V K T F Q G
UniRef90_D3RYU4 K A L R L E D L Y L P E K L I R E F K G
UniRef90_Q93A95 K A L R L E D M R I P V A Y L K T F Q G
UniRef90_E8RAK5 E A L R L E D I Y L P R K F L E S F K G
UniRef90_A3DND9 E G L R L E D I Y L P K K F L Q Y F K G
UniRef90_G7K0U1 C A L R L E D L R I P V A Y V K T F Q
UniRef90_M3AF08 E Y A K M E D F L V P P D F L K L F D G
UniRef90_A7U3R2
UniRef90_Q0ZH73 K A L R L E D M R I P V A Y L K T F Q G
UniRef90_D5U228 E G L R L E D I Y L P G G F L K D F K G
UniRef90_C9DSA3 X A L R L E D M R I P H S Y L K T F Q G
UniRef90_C5HUU3 R A L R L E D L R I S K A Y I K T F Y G
UniRef90_C6A4V2 K G L R L E D L Y L P E I V L R D F S G
UniRef90_C9RGZ0 K G L R I L D F R F P K E F I D E Y E G
UniRef90_I3TDF0 E G L R V E D I Y L P K Q F L Q Y F K G
UniRef90_F6BEM0 D G L R I L D Y R F P E K F V K A Y R G
UniRef90_G9M5K1 K A L R L E D M R I P Y A Y L K G F I G
UniRef90_Q36797 K A L R L E D M R
UniRef90_A1RZJ5 R S L R V E D I Y L P E A F L K H F K G
UniRef90_Q9MVS4 Q S L R L E D M R I P V A Y L K T F Q G
UniRef90_X0U416 K N L R L L D V S F P N D M I K A Y K G
UniRef90_G3EZV0 R H L R L E D I R F P I A F I K C C A G
UniRef90_Q42813 E Y G K I Y D I Y F P P S Y L R F F D G
UniRef90_E0WMP2 K A L R L E D M R L P V A Y V K T F Q G
UniRef90_G0HNE1 E W L R L E D I Y L P E R F L R N Y P G
UniRef90_E3T308 K N L Q M Q D F Y M P E R M L Q L F D G
UniRef90_E0SRG9 K Y L R V E D I Y M P Y D F I K Y F K G
UniRef90_C9R9G7 K N L R L L D I S F P P E L V
UniRef90_D7E762 K N L R L E D I A F P K D V L N S F R G
UniRef90_G2DBN8 E Y A K M L D F Y M P P K Y L R L Y D G
UniRef90_V6EXN2 E Y A K M H D F W V P P A M L Q L F D G
UniRef90_N0BMV6 K G L R F E D F E V P A S F A K H F K G
UniRef90_F3KC42 E Y G K M H D F Y F P P E Y L K L Y D G
UniRef90_Q8KQA2 R A L R L E D V R F P I A Y V K T C G G
UniRef90_E3T318 E Y A K L L D F Y V P P K F L R L F D G
UniRef90_Q21YM9 K H A K M I D F Y V P E R V I Q M F D G
UniRef90_Q6ST43 K A F R L E D M R C S V A Y A K T F Q G
UniRef90_UPI00035ECE15 K H L R L I D I D F P K E L V R S F K G

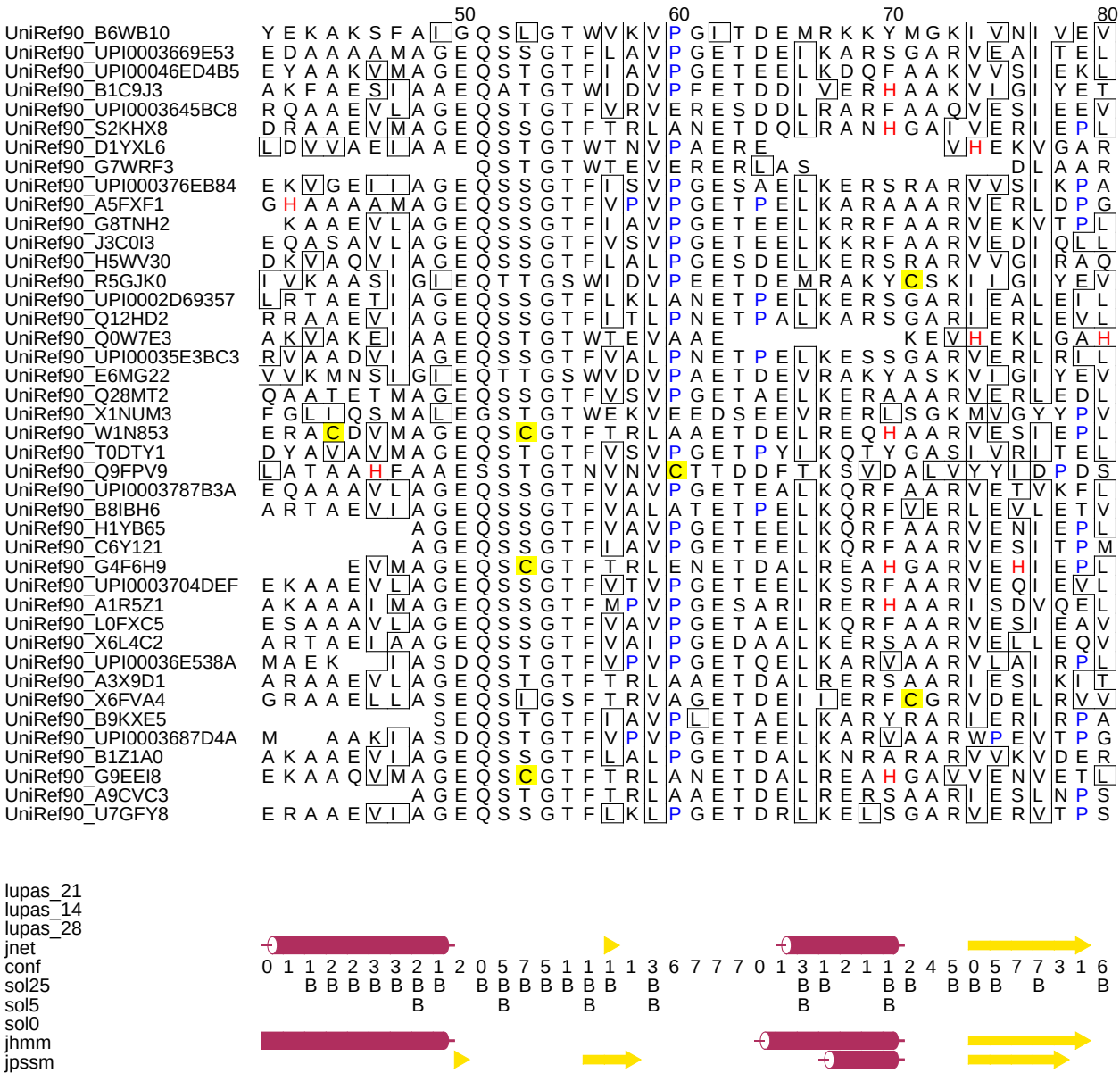

1
10
20
30
40
UniRef90_T1AP56
UniRef90_A1VNQ9
UniRef90_Q32635
UniRef90_Q93A92
UniRef90_Q59462
UniRef90_O84917
UniRef90_K7X6T7
UniRef90_Q32793
UniRef90_D3SZI3
UniRef90_E6VVI6
UniRef90_D9J1X1
UniRef90_UPI0003623C3E
UniRef90_E4NPX6
UniRef90_J3EY65
UniRef90_O28685
UniRef90_O46973
UniRef90_F7XNN2
UniRef90_X1CJN1
UniRef90_UPI00036E78AA
UniRef90_K1YIJ0
UniRef90_UPI000465DDA1
UniRef90_UPI000374280B
UniRef90_A1AWY1
UniRef90_X1FFH6
UniRef90_C7P079
UniRef90_P92212
UniRef90_K4MAK9
UniRef90_I3R375
UniRef90_L0L0G3
UniRef90_M1E6K1
UniRef90_UPI000378C4E4
UniRef90_K2A722
UniRef90_Q3IQW8
UniRef90_UPI00037E9CB7
UniRef90_K4LFC4
UniRef90_UPI00037D8298
UniRef90_UPI00046F3AD0
UniRef90_A0A011QZQ7
UniRef90_E6MJM2
UniRef90_H1Z445
UniRef90_UPI0003649D4D
UniRef90_UPI00047B52AB
UniRef90_B8GJ69
UniRef90_X0V2V8
UniRef90_Q6Y665
UniRef90_E3T313
UniRef90_D7AAR4
UniRef90_I4Z1F0
UniRef90_UPI0003CFFD2E
UniRef90_A2SQX6
UniRef90_F4BTL5
UniRef90_K1YYQ0
UniRef90_UPI0002DDE955
UniRef90_UPI00046641E6
UniRef90_R2XGK1
UniRef90_B8IMG3
UniRef90_W1JTC5
UniRef90_K9DA60
UniRef90_Q12TQ0
UniRef90_UPI00037E3117
UniRef90_E6UYG1
UniRef90_D3EED5
UniRef90_B0MD38
UniRef90_M4YJA6
UniRef90_F0Z043
UniRef90_B0U7K1
UniRef90_G8MLZ7
UniRef90_K0VLR8
UniRef90_R9T8T7
UniRef90_M9R7V1
UniRef90_W9H4Q3
UniRef90_Q2FSY4
UniRef90_T1XIJ0
UniRef90_M9SFF0
UniRef90_A7IJG7
UniRef90_T0Y8T3
UniRef90_UPI00047B1B93
UniRef90_Q32034
UniRef90_B1C5R4
UniRef90_L0L1H0
UniRef90_UPI0004776E1F
UniRef90_Q32260
UniRef90_I0BLM9
UniRef90_H8I700
UniRef90_UPI000371E21E
UniRef90_A0B9K9
UniRef90_R7ZRC1
UniRef90_F4CCC3
UniRef90_Q1YDM7
UniRef90_UPI00047DDCDC
UniRef90_M1ZKA3
UniRef90_W0F514

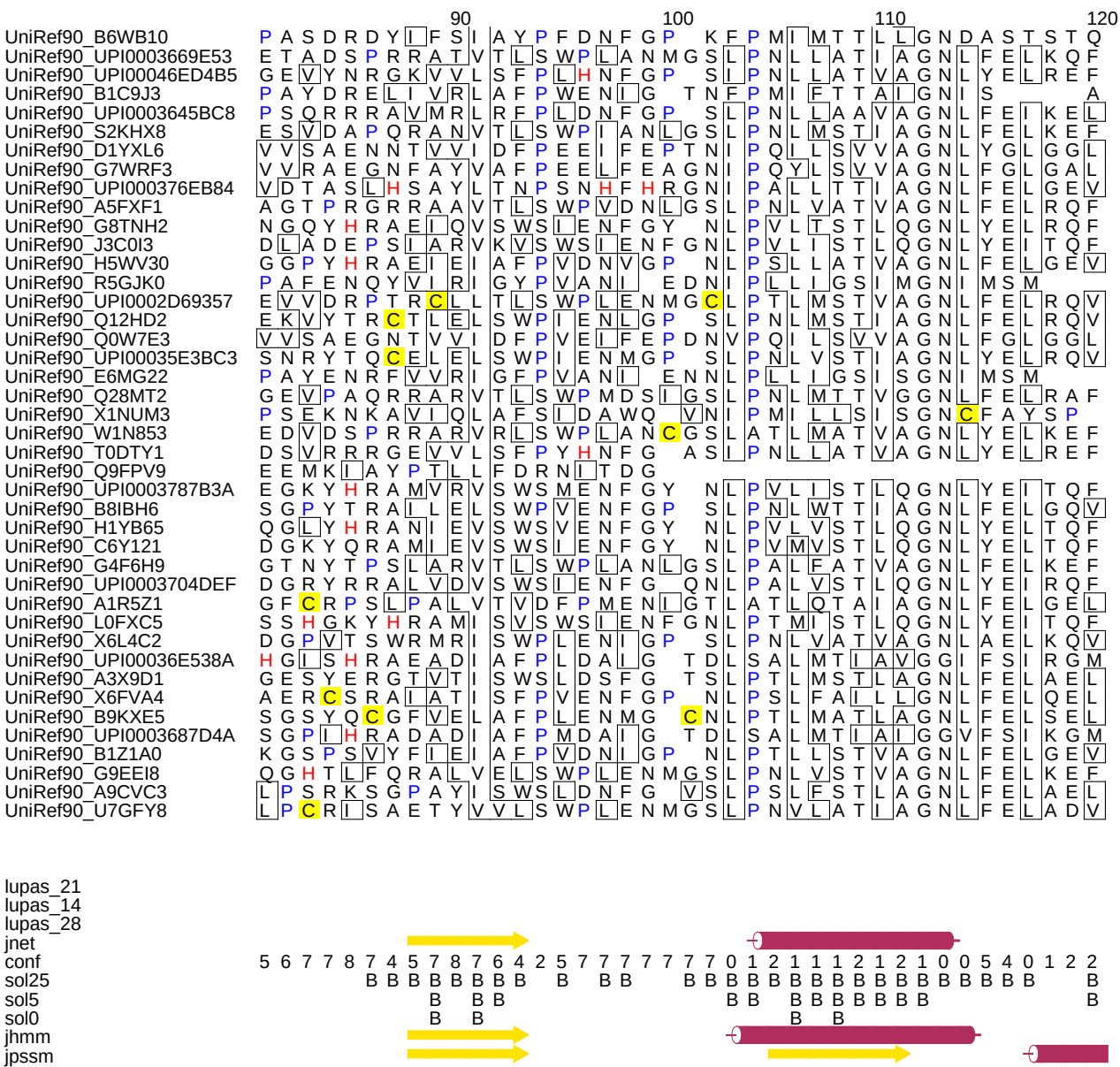

50
60
70
80
UniRef90_T1AP56
UniRef90_A1VNQ9
UniRef90_Q32635
UniRef90_Q93A92
UniRef90_Q59462
UniRef90_O84917
UniRef90_K7X6T7
UniRef90_Q32793
UniRef90_D3SZI3
UniRef90_E6VVI6
UniRef90_D9J1X1
UniRef90_UPI0003623C3E
UniRef90_E4NPX6
UniRef90_J3EY65
UniRef90_O28685
UniRef90_O46973
UniRef90_F7XNN2
UniRef90_X1CJN1
UniRef90_UPI00036E78AA
UniRef90_K1YIJ0
UniRef90_UPI000465DDA1
UniRef90_UPI000374280B
UniRef90_A1AWY1
UniRef90_X1FFH6
UniRef90_C7P079
UniRef90_P92212
UniRef90_K4MAK9
UniRef90_I3R375
UniRef90_L0L0G3
UniRef90_M1E6K1
UniRef90_UPI000378C4E4
UniRef90_K2A722
UniRef90_Q3IQW8
UniRef90_UPI00037E9CB7
UniRef90_K4LFC4
UniRef90_UPI00037D8298
UniRef90_UPI00046F3AD0
UniRef90_A0A011QZQ7
UniRef90_E6MJM2
UniRef90_H1Z445
UniRef90_UPI0003649D4D
UniRef90_UPI00047B52AB
UniRef90_B8GJ69
UniRef90_X0V2V8
UniRef90_Q6Y665
UniRef90_E3T313
UniRef90_D7AAR4
UniRef90_I4Z1F0
UniRef90_UPI0003CFFD2E
UniRef90_A2SQX6
UniRef90_F4BTL5
UniRef90_K1YYQ0
UniRef90_UPI0002DDE955
UniRef90_UPI00046641E6
UniRef90_R2XGK1
UniRef90_B8IMG3
UniRef90_W1JTC5
UniRef90_K9DA60
UniRef90_Q12TQ0
UniRef90_UPI00037E3117
UniRef90_E6UYG1
UniRef90_D3EED5
UniRef90_B0MD38
UniRef90_M4YJA6
UniRef90_F0Z043
UniRef90_B0U7K1
UniRef90_G8MLZ7
UniRef90_K0VLR8
UniRef90_R9T8T7
UniRef90_M9R7V1
UniRef90_W9H4Q3
UniRef90_Q2FSY4
UniRef90_T1XIJ0
UniRef90_M9SFF0
UniRef90_A7IJG7
UniRef90_T0Y8T3
UniRef90_UPI00047B1B93
UniRef90_Q32034
UniRef90_B1C5R4
UniRef90_L0L1H0
UniRef90_UPI0004776E1F
UniRef90_Q32260
UniRef90_I0BLM9
UniRef90_H8I700
UniRef90_UPI000371E21E
UniRef90_A0B9K9
UniRef90_R7ZRC1
UniRef90_F4CCC3
UniRef90_Q1YDM7
UniRef90_UPI00047DDCDC
UniRef90_M1ZKA3
UniRef90_W0F514


90
100
110
120
UniRef90_T1AP56
UniRef90_A1VNQ9
UniRef90_Q32635
UniRef90_Q93A92
UniRef90_Q59462
UniRef90_O84917
UniRef90_K7X6T7
UniRef90_Q32793
UniRef90_D3SZI3
UniRef90_E6VVI6
UniRef90_D9J1X1
UniRef90_UPI0003623C3E
UniRef90_E4NPX6
UniRef90_J3EY65
UniRef90_O28685
UniRef90_O46973
UniRef90_F7XNN2
UniRef90_X1CJN1
UniRef90_UPI00036E78AA
UniRef90_K1YIJ0
UniRef90_UPI000465DDA1
UniRef90_UPI000374280B
UniRef90_A1AWY1
UniRef90_X1FFH6
UniRef90_C7P079
UniRef90_P92212
UniRef90_K4MAK9
UniRef90_I3R375
UniRef90_L0L0G3
UniRef90_M1E6K1
UniRef90_UPI000378C4E4
UniRef90_K2A722
UniRef90_Q3IQW8
UniRef90_UPI00037E9CB7
UniRef90_K4LFC4
UniRef90_UPI00037D8298
UniRef90_UPI00046F3AD0
UniRef90_A0A011QZQ7
UniRef90_E6MJM2
UniRef90_H1Z445
UniRef90_UPI0003649D4D
UniRef90_UPI00047B52AB
UniRef90_B8GJ69
UniRef90_X0V2V8
UniRef90_Q6Y665
UniRef90_E3T313
UniRef90_D7AAR4
UniRef90_I4Z1F0
UniRef90_UPI0003CFFD2E
UniRef90_A2SQX6
UniRef90_F4BTL5
UniRef90_K1YYQ0
UniRef90_UPI0002DDE955
UniRef90_UPI00046641E6
UniRef90_R2XGK1
UniRef90_B8IMG3
UniRef90_W1JTC5
UniRef90_K9DA60
UniRef90_Q12TQ0
UniRef90_UPI00037E3117
UniRef90_E6UYG1
UniRef90_D3EED5
UniRef90_B0MD38
UniRef90_M4YJA6
UniRef90_F0Z043
UniRef90_B0U7K1
UniRef90_G8MLZ7
UniRef90_K0VLR8
UniRef90_R9T8T7
UniRef90_M9R7V1
UniRef90_W9H4Q3
UniRef90_Q2FSY4
UniRef90_T1XIJ0
UniRef90_M9SFF0
UniRef90_A7IJG7
UniRef90_T0Y8T3
UniRef90_UPI00047B1B93
UniRef90_Q32034
UniRef90_B1C5R4
UniRef90_L0L1H0
UniRef90_UPI0004776E1F
UniRef90_Q32260
UniRef90_I0BLM9
UniRef90_H8I700
UniRef90_UPI000371E21E
UniRef90_A0B9K9
UniRef90_R7ZRC1
UniRef90_F4CCC3
UniRef90_Q1YDM7
UniRef90_UPI00047DDCDC
UniRef90_M1ZKA3
UniRef90_W0F514


130
140
UniRef90_T1AP56
UniRef90_A1VNQ9 Q H A K I Y D F F M P P R A I Q L F D G
UniRef90_Q32635
UniRef90_Q93A92 R S L R L E D V R F P I A Y V K T C G G
UniRef90_Q59462 E G L R M L D F L V P E K M V K R F D G
UniRef90_O84917 E Y G K M I D F Y V P E R A I Q M F D G
UniRef90_K7X6T7 L A G G L L N
UniRef90_Q32793 X A L R L E D M R I P V A Y L K T F Q G
UniRef90_D3SZI3 D A I R L E D C K W P E S I T S G F P G
UniRef90_E6VVI6 A Y A K M H D F Y V P R Q Y L E L F D G
UniRef90_D9J1X1 E Y G K I H D I F I P P N F L R L F D G
UniRef90_UPI0003623C3E H Q L Q M V D F W I P E T K L H L Y D G
UniRef90_E4NPX6 D T I R L A D C Q W P E A L V S S F A G
UniRef90_J3EY65 D T I R L E D C E W P E A I V E G Y P G
UniRef90_O28685 P K L K L L D L R F P K E F V K G F K G
UniRef90_O46973 K A
UniRef90_F7XNN2 S A L K L L D V W F P P A M L E Q Y D G
UniRef90_X1CJN1 K Y L R L L D I
UniRef90_UPI00036E78AA V G L R L L D F M I P E I M V K K F D G
UniRef90_K1YIJ0 N A L K L L D V R F P S S M L E Q Y D G
UniRef90_UPI000465DDA1 V G L R L L D V Y V P P K A L T L F D G
UniRef90_UPI000374280B T S L R L L D V Y L P P K A L L L F D G
UniRef90_A1AWY1 Q C A Q I Q D F W I S R K F L E I F D G
UniRef90_X1FFH6 G L K L V D L A F P K E Y L K E F K G
UniRef90_C7P079 D R I R L L D C T W P E P L A T S F A G
UniRef90_P92212
UniRef90_K4MAK9 K A L K L M D V W F P P S M L E Q Y D G
UniRef90_I3R375 D S I R L M D C E W P E P V V S S Y P G
UniRef90_L0L0G3 S R L K L H D I I F P P
UniRef90_M1E6K1 E N L R L L D I V L T Q K F L D E L K G
UniRef90_UPI000378C4E4 L K L L D L E F P H K F L K E F K G
UniRef90_K2A722 K A I K A L D C W F P P E M L K N Y D G
UniRef90_Q3IQW8 E T I R L L D C E W P A V I A R S F P G
UniRef90_UPI00037E9CB7 R G V R L E D V F F P Q S M L R E F K G
UniRef90_K4LFC4 L K L L D L K F P K S F L K S F K G
UniRef90_UPI00037D8298 E G L R M L D F Q V P E C M L T K F D G
UniRef90_UPI00046F3AD0 K L L D L E F P Q E F L N F F P G
UniRef90_A0A011QZQ7 E H G K I H D I F V P E R A I Q L F D G
UniRef90_E6MJM2 K L L D L E F P K T F L G Q F K G
UniRef90_H1Z445 D A V R L L D I D I P E K L A C F E G
UniRef90_UPI0003649D4D S G L R L L D I R L P Q A F A Q A Y G G
UniRef90_UPI00047B52AB S G L R L L D I R L P P A F A A A Y A G
UniRef90_B8GJ69 E A V R L L D V E F P R E L V T F S G
UniRef90_X0V2V8 W I K L L D L Q F P R T F L E S F P G
UniRef90_Q6Y665 R X L R L E D L R L P P A I L T L X K G
UniRef90_E3T313 V H A K M Y D F Y V P P K F L A L F D G
UniRef90_D7AAR4 S G L R L L D I R L P H A F A D A Y G G
UniRef90_I4Z1F0 S G L R L L D M R L P T A F A Q A Y P G
UniRef90_UPI0003CFFD2E A A F K L L D V R F P A A M L E Q Y D G
UniRef90_A2SQX6 E A V R L L D I D I P K
UniRef90_F4BTL5 K A L K L L D I W F P P S M L E Q Y D G
UniRef90_K1YYQ0 S A L K A L D C W F P K E M L E H Y D G
UniRef90_UPI0002DDE955 S G L R L T G L R L P P A F A Q A Y Q G
UniRef90_UPI00046641E6 P Y L K L L D I D F P E S F V K D F Q G
UniRef90_R2XGK1 S G I R L V D V E F P E S L L K E F T G
UniRef90_B8IMG3 T G L R L L D I R L P A A F A Q A Y P G
UniRef90_W1JTC5 S G L R I L D I R M P P S F A K A Y C G
UniRef90_K9DA60 S G L R L V D V T L P P A F L T R Y Q G
UniRef90_Q12TQ0 Q A L K L M D I W F P P S M L E Q Y D G
UniRef90_UPI00037E3117 S G I R L L D L E L P P S F L E R Y E G
UniRef90_E6UYG1 S K L K L M D I S L P K M Y L A S Y L G
UniRef90_D3EED5 S G L R L V D L E L P E D F K T R Y P G
UniRef90_B0MD38 D G I K L M D I E F P E K I L R E I P G
UniRef90_M4YJA6 K G V R L E D V E F P S S I L K K Y K G
UniRef90_F0Z043 L K L I D I D F P K V F T D A F Q G
UniRef90_B0U7K1 T G L R L L D I R L P E A F A R A Y P G
UniRef90_G8MLZ7 S G L R L T G L R L P D S F A K A Y P G
UniRef90_K0VLR8 T G L R I V D I R F P P P Y F Q K Y K G
UniRef90_R9T8T7 N G V R L E D V F F P K S M L N D F L G
UniRef90_M9R7V1 S A I R L V D L G I P D A L A K G C P G
UniRef90_W9H4Q3 S G L R L L D I G L P E A F A A R Y P G
UniRef90_Q2FSY4 A A V R L V D V E F
UniRef90_T1XIJ0 S G L R L L D L A V P Q A F V D G C P G
UniRef90_M9SFF0 K G V R L E D V F F P D S F L R Q Y K G
UniRef90_A7IJG7 S G L R L I D L K L P P S F T N A F A G
UniRef90_T0Y8T3 S G M R L L D I R L P P Q F L S A Y
UniRef90_UPI00047B1B93 A A I K L M D L D L P P A F A E R Y P G
UniRef90_Q32034 X X X X X D M X X P V A Y L K T F Q G
UniRef90_B1C5R4 L K L V D I S F P K C W L E A F D G
UniRef90_L0L1H0 K A L K L L D V W F P S S M L E Q Y D G
UniRef90_UPI0004776E1F P Y L R L L D I D F P A K F V A K F K G
UniRef90_Q32260 K A L R L E D M R I P V A Y L K T F Q G
UniRef90_I0BLM9 S G L R L V D L E L P E A F A A A Y P G
UniRef90_H8I700 K A L R L E D V D F T P L L K H Y K G
UniRef90_UPI000371E21E T G L R L I D L Q L P P A F A Q A Y P G
UniRef90_A0B9K9 K K V R L V D V D F P E S L V R A H S G
UniRef90_R7ZRC1 S G L K L L D I R L P D S F E S V Y P G
UniRef90_F4CCC3 T G L K L L D I Q F P A S Y I A H F E G
UniRef90_Q1YDM7 A G L K L V D L R L P P A F A D R Y P G
UniRef90_UPI00047DDCDC A A I K L V D L E L P Q A F A Q R Y P G
UniRef90_M1ZKA3 V K L L D L E M P Q S F V K D F K G
UniRef90_W0F514 T G L K L M D I E L P P S F G A H F K G


1
10
20
30
40
UniRef90_B6WB10
UniRef90_UPI0003669E53
UniRef90_UPI00046ED4B5
UniRef90_B1C9J3
UniRef90_UPI0003645BC8
UniRef90_S2KHX8
UniRef90_D1YXL6
UniRef90_G7WRF3
UniRef90_UPI000376EB84
UniRef90_A5FXF1
UniRef90_G8TNH2
UniRef90_J3C0I3
UniRef90_H5WV30
UniRef90_R5GJK0
UniRef90_UPI0002D69357
UniRef90_Q12HD2
UniRef90_Q0W7E3
UniRef90_UPI00035E3BC3
UniRef90_E6MG22
UniRef90_Q28MT2
UniRef90_X1NUM3
UniRef90_W1N853
UniRef90_T0DTY1
UniRef90_Q9FPV9
UniRef90_UPI0003787B3A
UniRef90_B8IBH6
UniRef90_H1YB65
UniRef90_C6Y121
UniRef90_G4F6H9
UniRef90_UPI0003704DEF
UniRef90_A1R5Z1
UniRef90_L0FXC5
UniRef90_X6L4C2
UniRef90_UPI00036E538A
UniRef90_A3X9D1
UniRef90_X6FVA4
UniRef90_B9KXE5
UniRef90_UPI0003687D4A
UniRef90_B1Z1A0
UniRef90_G9EEI8
UniRef90_A9CVC3
UniRef90_U7GFY8
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


50
60
70
80
UniRef90_B6WB10
UniRef90_UPI0003669E53
UniRef90_UPI00046ED4B5
UniRef90_B1C9J3
UniRef90_UPI0003645BC8
UniRef90_S2KHX8
UniRef90_D1YXL6
UniRef90_G7WRF3
UniRef90_UPI000376EB84
UniRef90_A5FXF1
UniRef90_G8TNH2
UniRef90_J3C0I3
UniRef90_H5WV30
UniRef90_R5GJK0
UniRef90_UPI0002D69357
UniRef90_Q12HD2
UniRef90_Q0W7E3
UniRef90_UPI00035E3BC3
UniRef90_E6MG22
UniRef90_Q28MT2
UniRef90_X1NUM3
UniRef90_W1N853
UniRef90_T0DTY1
UniRef90_Q9FPV9
UniRef90_UPI0003787B3A
UniRef90_B8IBH6
UniRef90_H1YB65
UniRef90_C6Y121
UniRef90_G4F6H9
UniRef90_UPI0003704DEF
UniRef90_A1R5Z1
UniRef90_L0FXC5
UniRef90_X6L4C2
UniRef90_UPI00036E538A
UniRef90_A3X9D1
UniRef90_X6FVA4
UniRef90_B9KXE5
UniRef90_UPI0003687D4A
UniRef90_B1Z1A0
UniRef90_G9EEI8
UniRef90_A9CVC3
UniRef90_U7GFY8
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


90
100
110
120
UniRef90_B6WB10
UniRef90_UPI0003669E53
UniRef90_UPI00046ED4B5
UniRef90_B1C9J3
UniRef90_UPI0003645BC8
UniRef90_S2KHX8
UniRef90_D1YXL6
UniRef90_G7WRF3
UniRef90_UPI000376EB84
UniRef90_A5FXF1
UniRef90_G8TNH2
UniRef90_J3C0I3
UniRef90_H5WV30
UniRef90_R5GJK0
UniRef90_UPI0002D69357
UniRef90_Q12HD2
UniRef90_Q0W7E3
UniRef90_UPI00035E3BC3
UniRef90_E6MG22
UniRef90_Q28MT2
UniRef90_X1NUM3
UniRef90_W1N853
UniRef90_T0DTY1
UniRef90_Q9FPV9
UniRef90_UPI0003787B3A
UniRef90_B8IBH6
UniRef90_H1YB65
UniRef90_C6Y121
UniRef90_G4F6H9
UniRef90_UPI0003704DEF
UniRef90_A1R5Z1
UniRef90_L0FXC5
UniRef90_X6L4C2
UniRef90_UPI00036E538A
UniRef90_A3X9D1
UniRef90_X6FVA4
UniRef90_B9KXE5
UniRef90_UPI0003687D4A
UniRef90_B1Z1A0
UniRef90_G9EEI8
UniRef90_A9CVC3
UniRef90_U7GFY8
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm

```
                                                  130                                                 140
UniRef90_B6WB10                    A K L I D I Y M P K K F T D M F D G
UniRef90_UPI0003669E53          S G L R L L D V Q L P G A F A D A Y A G
UniRef90_UPI00046ED4B5          S G L R L I D L E L P N A F M E Q Y P G
UniRef90_B1C9J3                 A R L K L L D L E F P K E Y T D H F Q G
UniRef90_UPI0003645BC8          S A I K L V D V D L P P A F A E R Y A G
UniRef90_S2KHX8                 S A L K L L D L T L P M S F A K A Y P G
UniRef90_D1YXL6                 K A L R L E D V D F D P   L V K Y Y K G
UniRef90_G7WRF3                 K K V R L L D V I F P Q R L V E A H R G
UniRef90_UPI000376EB84          S A L R V L D L K L P E R F A S T F L G
UniRef90_A5FXF1                 S G L R L L D L R L P A S F A A A N P G
UniRef90_G8TNH2                 T G L K L I D I E L P A S Y A Q H Y K G
UniRef90_J3C0I3                 T G L K L M D F E V P D S F A T H F K G
UniRef90_H5WV30                 T G L R L L D L A L S P A Y A A G F A G
UniRef90_R5GJK0                 P Y L K L L D I D F P K K Y V D K F Q G
UniRef90_UPI0002D69357          S G L R L L S L Q L P E A F A K A Y L G
UniRef90_Q12HD2                 S G L R V L D L K L P A S F A A A Y P G
UniRef90_Q0W7E3                 K A C R L M D V D F G P   L T K Y Y N G
UniRef90_UPI00035E3BC3          S G L R L T G L R L P P S F A A A Y P G
UniRef90_E6MG22                 P N L K L L D I D F P E K F I K D F Q G
UniRef90_Q28MT2                 S G L R V E D I R L
UniRef90_X1NUM3                    R M R L L D V F F P E D L V K I F K G
UniRef90_W1N853                 S G L R L L D L S V P D A F A D A W P G
UniRef90_T0DTY1                 S G L R L M D L D L P V Q F I E K Y R G
UniRef90_Q9FPV9
UniRef90_UPI0003787B3A          T G L K L M D I E L P E I Y G T Y F K G
UniRef90_B8IBH6                 S G L R L T G L S L P P S F T A P F T G
UniRef90_H1YB65                 T G L K L M D I D L P P S Y S D H F V G
UniRef90_C6Y121                 T G L K L M D L E L P A S F A T A F K G
UniRef90_G4F6H9                 S A L K L L D L S L P D P F A E A Y P G
UniRef90_UPI0003704DEF          T G L K L M D I H F P E H Y A E H Y H G
UniRef90_A1R5Z1                 Y A C R L Q D I A L P E D F V A A H P G
UniRef90_L0FXC5                 T G L K L M D L E V P A S F A Q H F A G
UniRef90_X6L4C2                 A G L K I T A L D L P E A F L K A Y P G
UniRef90_UPI00036E538A          T G L R V V D L K L P E A Y R G V Y P G
UniRef90_A3X9D1                 S A I R L I D M Q L P S A F A T D H P G
UniRef90_X6FVA4                 T G V R L E D V D I P A S F A D R F P G
UniRef90_B9KXE5                 S A I R L V D L D L P D E F A Q A Y T G
UniRef90_UPI0003687D4A          S G I R I V D M K L P E A F A T A H P G
UniRef90_B1Z1A0                 T G L R L L D I D L P A T Y A A Q F P G
UniRef90_G9EEI8                 S A L K L L D I N L P S A F A D A Y P G
UniRef90_A9CVC3                 S A I R L L D I G L P K E F A L A H P G
UniRef90_U7GFY8                 S A L R L T D I S F P E E F A V A Y P G

lupas_21
lupas_14
lupas_28
jnet                                  <--------->                  <------------>
conf                1 2 2 2 1 1 5 5 4 5 3 2 2 2 3 1 2 8 9 9
sol25                   B B B B B     B B       B B     B
sol5                    B   B   B B   B B       B B
sol0                    B
jhmm                                  <--------->                  <------------>
jpssm               <------>  <--->                  <------>
```