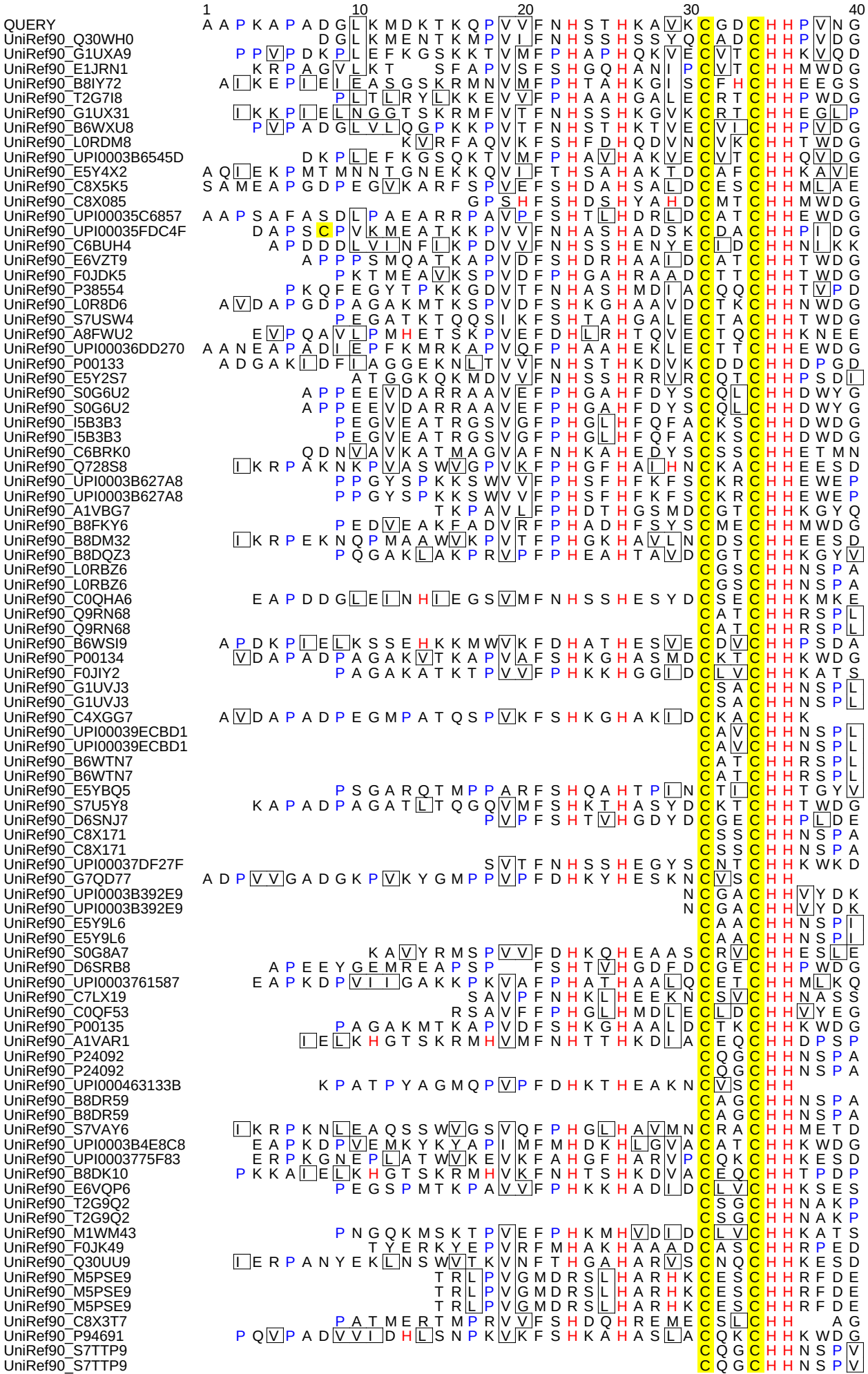
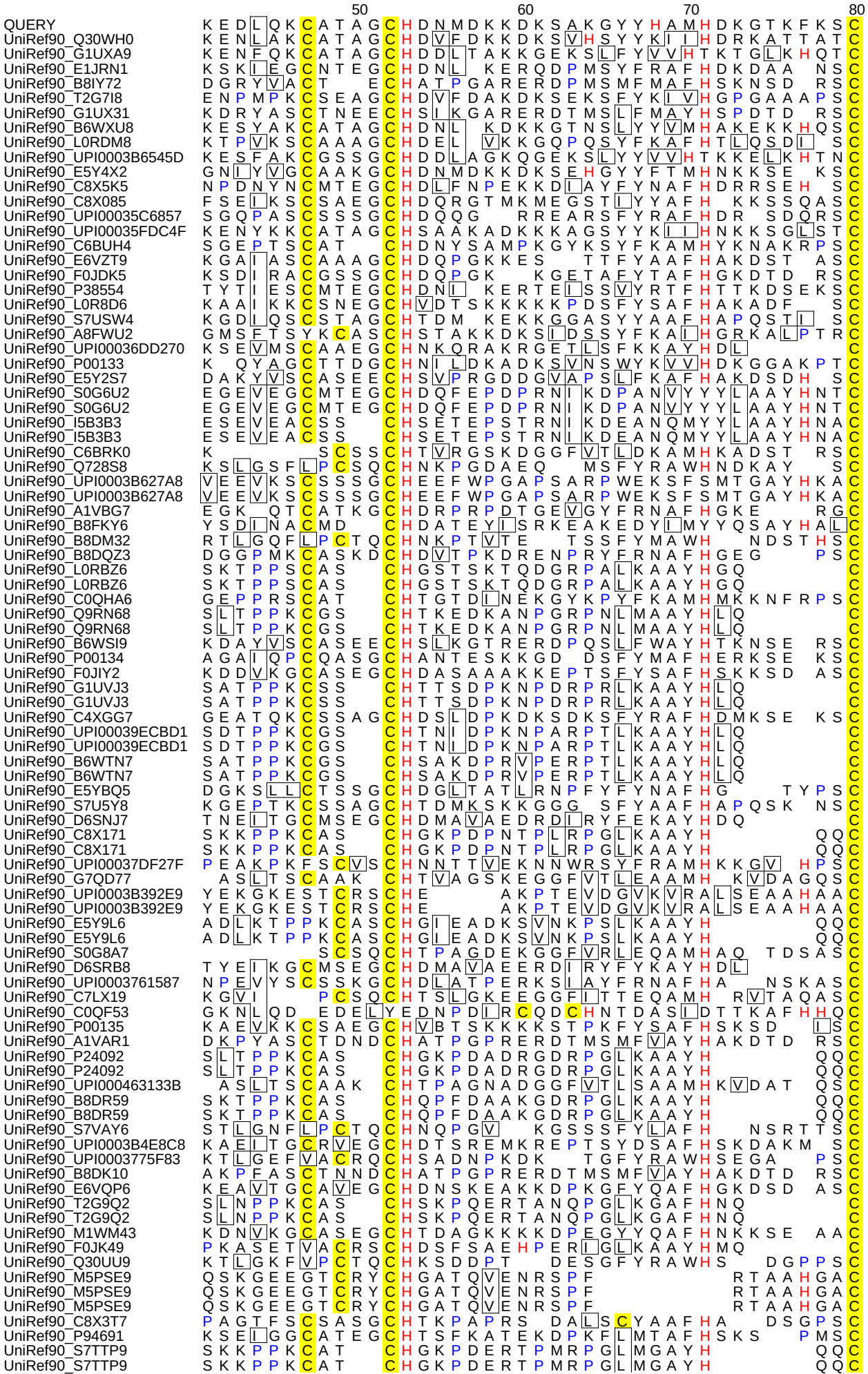
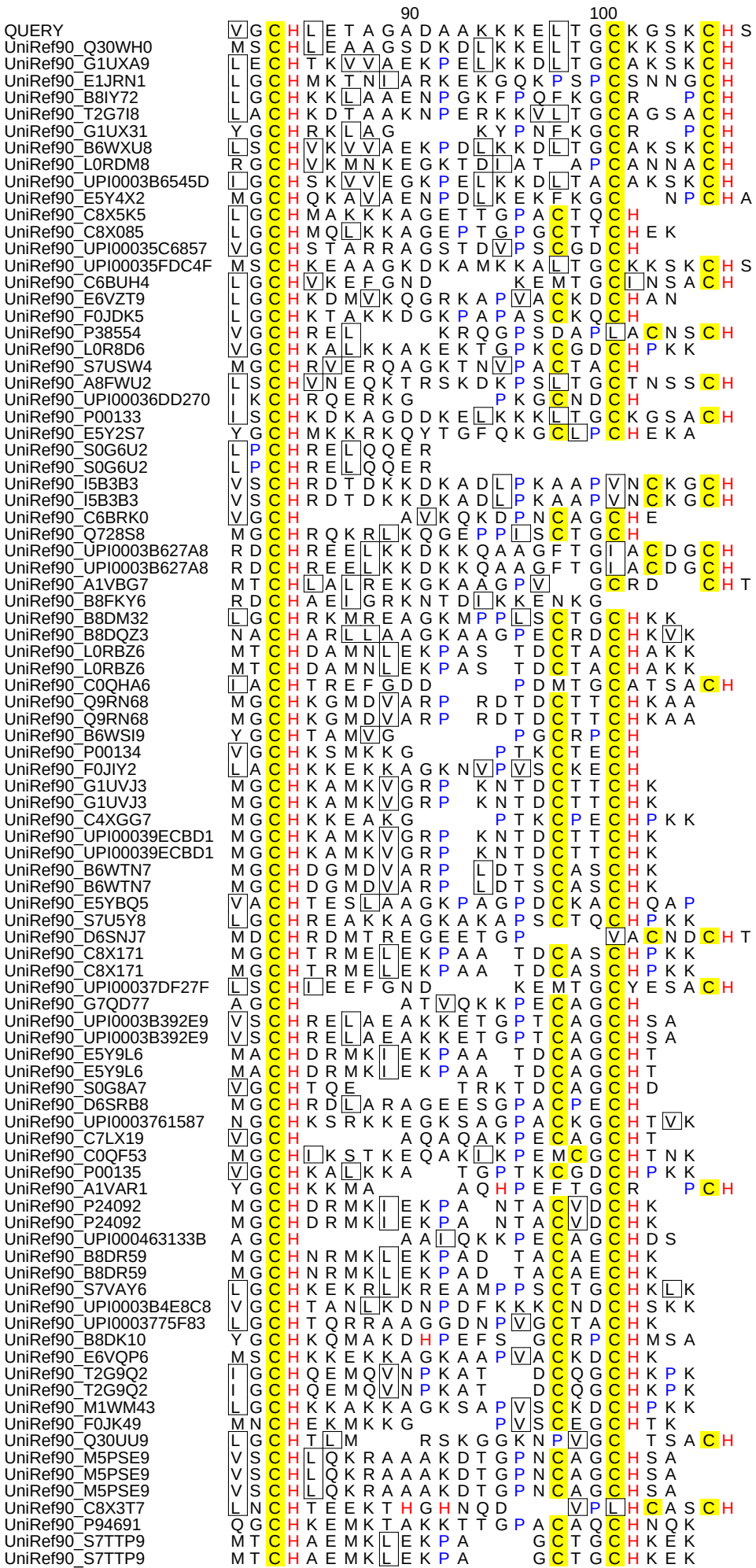
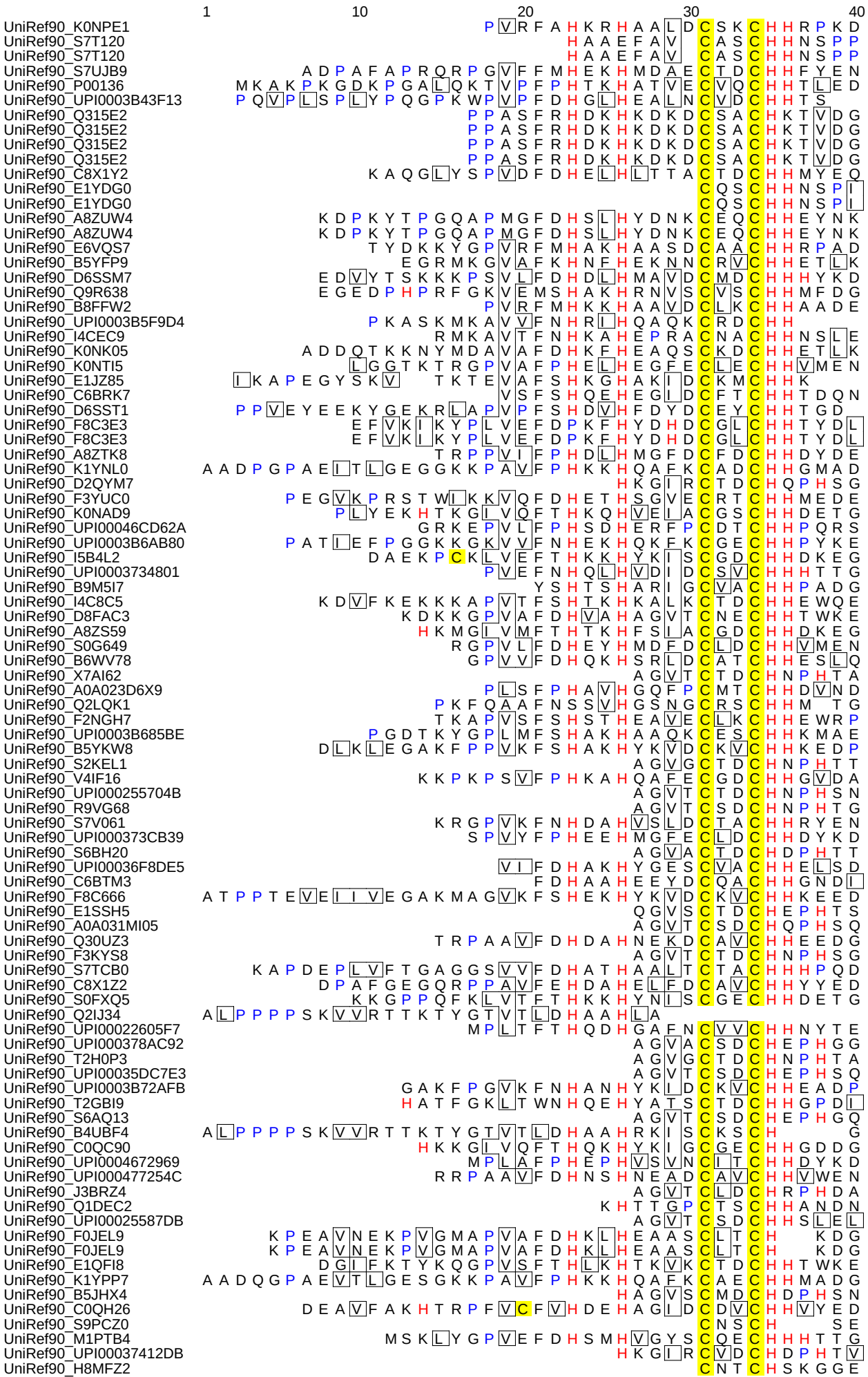
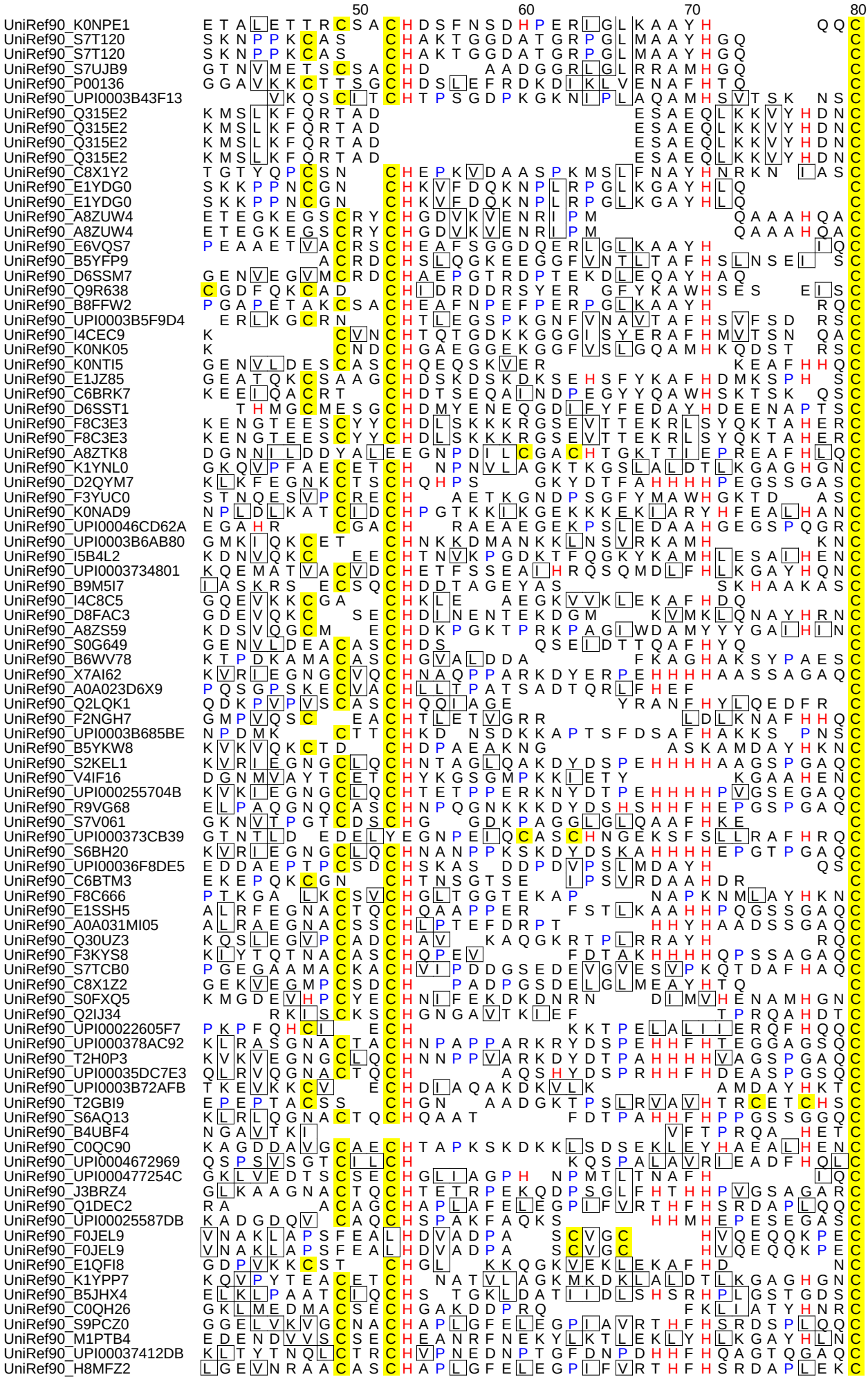
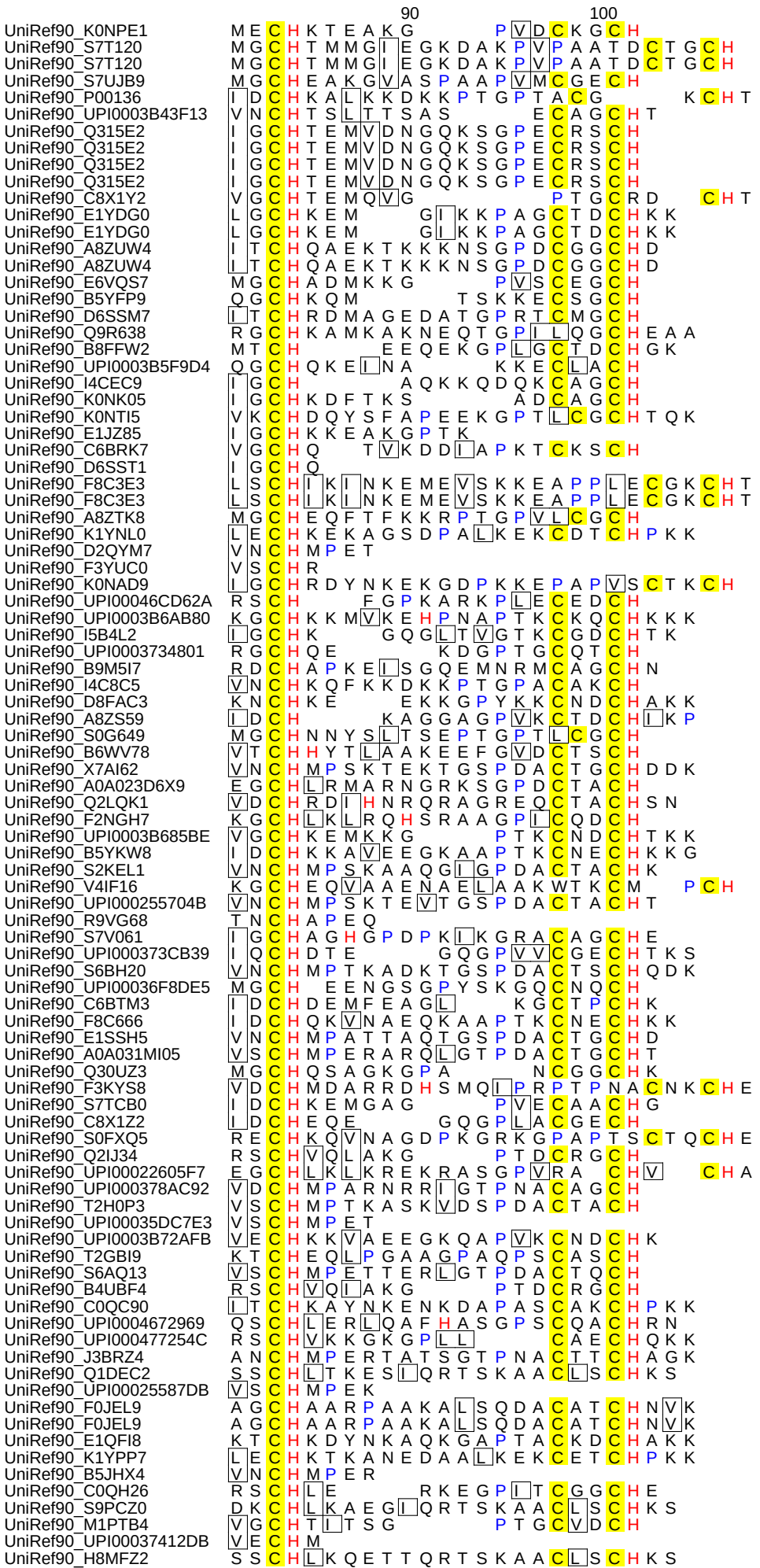

1
10
20
30
40
QUERY
UniRef90_Q30WH0
UniRef90_G1UXA9
UniRef90_E1JRN1
UniRef90_B8IY72
UniRef90_T2G7I8
UniRef90_G1UX31
UniRef90_B6WXU8
UniRef90_L0RDM8
UniRef90_UPI0003B6545D
UniRef90_E5Y4X2
UniRef90_C8X5K5
UniRef90_C8X085
UniRef90_UPI00035C6857
UniRef90_UPI00035FDC4F
UniRef90_C6BUH4
UniRef90_E6VZT9
UniRef90_F0JDK5
UniRef90_P38554
UniRef90_L0R8D6
UniRef90_S7USW4
UniRef90_A8FWU2
UniRef90_UPI00036DD270
UniRef90_P00133
UniRef90_E5Y2S7
UniRef90_S0G6U2
UniRef90_S0G6U2
UniRef90_I5B3B3
UniRef90_I5B3B3
UniRef90_C6BRK0
UniRef90_Q728S8
UniRef90_UPI0003B627A8
UniRef90_UPI0003B627A8
UniRef90_A1VBG7
UniRef90_B8FKY6
UniRef90_B8DM32
UniRef90_B8DQZ3
UniRef90_L0RBZ6
UniRef90_L0RBZ6
UniRef90_C0QHA6
UniRef90_Q9RN68
UniRef90_Q9RN68
UniRef90_B6WSI9
UniRef90_P00134
UniRef90_F0JIY2
UniRef90_G1UVJ3
UniRef90_G1UVJ3
UniRef90_C4XGG7
UniRef90_UPI00039ECBD1
UniRef90_UPI00039ECBD1
UniRef90_B6WTN7
UniRef90_B6WTN7
UniRef90_E5YBQ5
UniRef90_S7U5Y8
UniRef90_D6SNJ7
UniRef90_C8X171
UniRef90_C8X171
UniRef90_UPI00037DF27F
UniRef90_G7QD77
UniRef90_UPI0003B392E9
UniRef90_UPI0003B392E9
UniRef90_E5Y9L6
UniRef90_E5Y9L6
UniRef90_S0G8A7
UniRef90_D6SRB8
UniRef90_UPI0003761587
UniRef90_C7LX19
UniRef90_C0QF53
UniRef90_P00135
UniRef90_A1VAR1
UniRef90_P24092
UniRef90_P24092
UniRef90_UPI000463133B
UniRef90_B8DR59
UniRef90_B8DR59
UniRef90_S7VAY6
UniRef90_UPI0003B4E8C8
UniRef90_UPI0003775F83
UniRef90_B8DK10
UniRef90_E6VQP6
UniRef90_T2G9Q2
UniRef90_T2G9Q2
UniRef90_M1WM43
UniRef90_F0JK49
UniRef90_Q30UU9
UniRef90_M5PSE9
UniRef90_M5PSE9
UniRef90_M5PSE9
UniRef90_C8X3T7
UniRef90_P94691
UniRef90_S7TTP9
UniRef90_S7TTP9

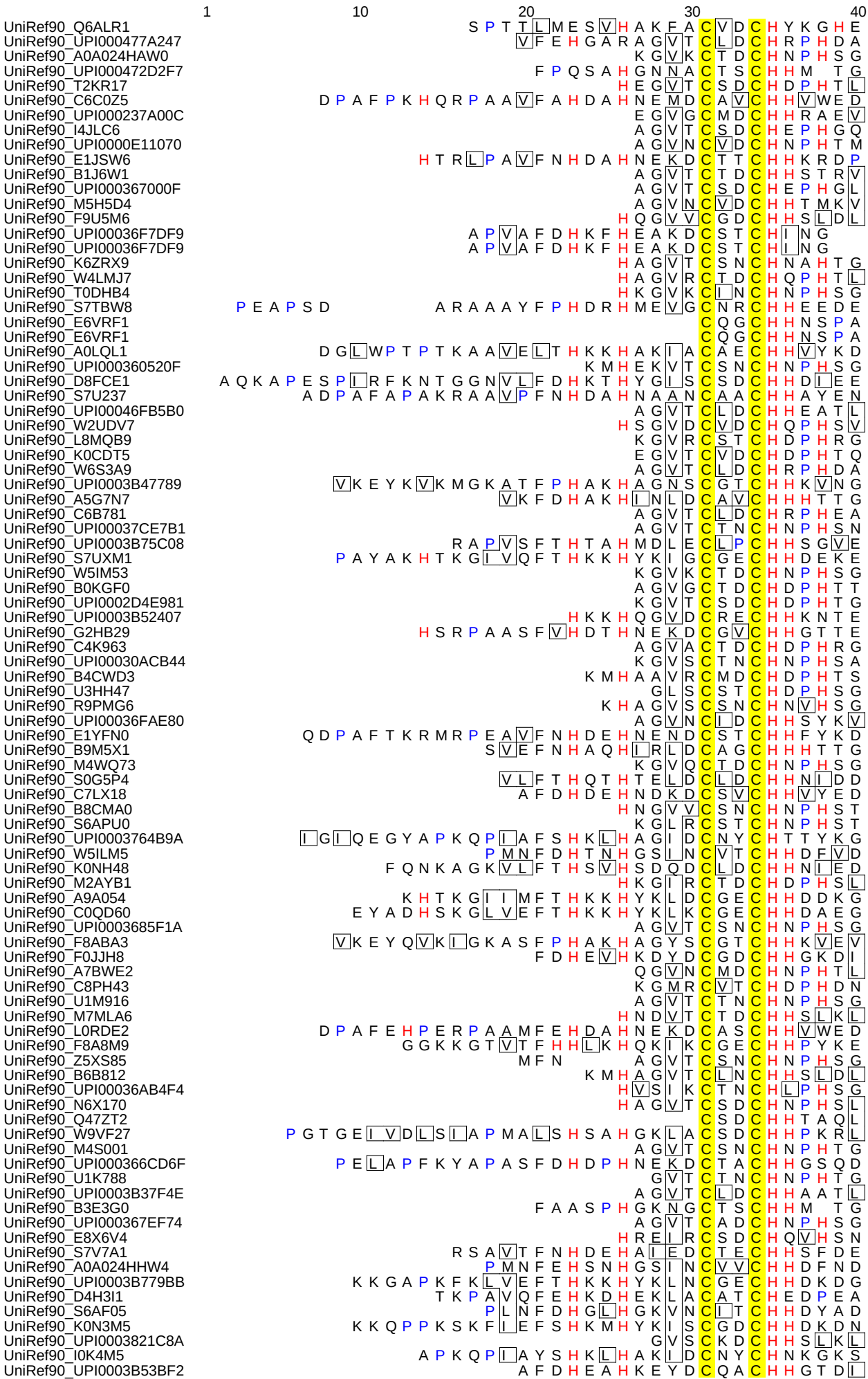

50
60
70
80
QUERY
UniRef90_Q30WH0
UniRef90_G1UXA9
UniRef90_E1JRN1
UniRef90_B8IY72
UniRef90_T2G7I8
UniRef90_G1UX31
UniRef90_B6WXU8
UniRef90_L0RDM8
UniRef90_UPI0003B6545D
UniRef90_E5Y4X2
UniRef90_C8X5K5
UniRef90_C8X085
UniRef90_UPI00035C6857
UniRef90_UPI00035FDC4F
UniRef90_C6BUH4
UniRef90_E6VZT9
UniRef90_F0JDK5
UniRef90_P38554
UniRef90_L0R8D6
UniRef90_S7USW4
UniRef90_A8FWU2
UniRef90_UPI00036DD270
UniRef90_P00133
UniRef90_E5Y2S7
UniRef90_S0G6U2
UniRef90_S0G6U2
UniRef90_I5B3B3
UniRef90_I5B3B3
UniRef90_C6BRK0
UniRef90_Q728S8
UniRef90_UPI0003B627A8
UniRef90_UPI0003B627A8
UniRef90_A1VBG7
UniRef90_B8FKY6
UniRef90_B8DM32
UniRef90_B8DQZ3
UniRef90_L0RBZ6
UniRef90_L0RBZ6
UniRef90_C0QHA6
UniRef90_Q9RN68
UniRef90_Q9RN68
UniRef90_B6WSI9
UniRef90_P00134
UniRef90_F0JIY2
UniRef90_G1UVJ3
UniRef90_G1UVJ3
UniRef90_C4XGG7
UniRef90_UPI00039ECBD1
UniRef90_UPI00039ECBD1
UniRef90_B6WTN7
UniRef90_B6WTN7
UniRef90_E5YBQ5
UniRef90_S7U5Y8
UniRef90_D6SNJ7
UniRef90_C8X171
UniRef90_C8X171
UniRef90_UPI00037DF27F
UniRef90_G7QD77
UniRef90_UPI0003B392E9
UniRef90_UPI0003B392E9
UniRef90_E5Y9L6
UniRef90_E5Y9L6
UniRef90_S0G8A7
UniRef90_D6SRB8
UniRef90_UPI0003761587
UniRef90_C7LX19
UniRef90_C0QF53
UniRef90_P00135
UniRef90_A1VAR1
UniRef90_P24092
UniRef90_P24092
UniRef90_UPI000463133B
UniRef90_B8DR59
UniRef90_B8DR59
UniRef90_S7VAY6
UniRef90_UPI0003B4E8C8
UniRef90_UPI0003775F83
UniRef90_B8DK10
UniRef90_E6VQP6
UniRef90_T2G9Q2
UniRef90_T2G9Q2
UniRef90_M1WM43
UniRef90_F0JK49
UniRef90_Q30UU9
UniRef90_M5PSE9
UniRef90_M5PSE9
UniRef90_M5PSE9
UniRef90_C8X3T7
UniRef90_P94691
UniRef90_S7TTP9
UniRef90_S7TTP9

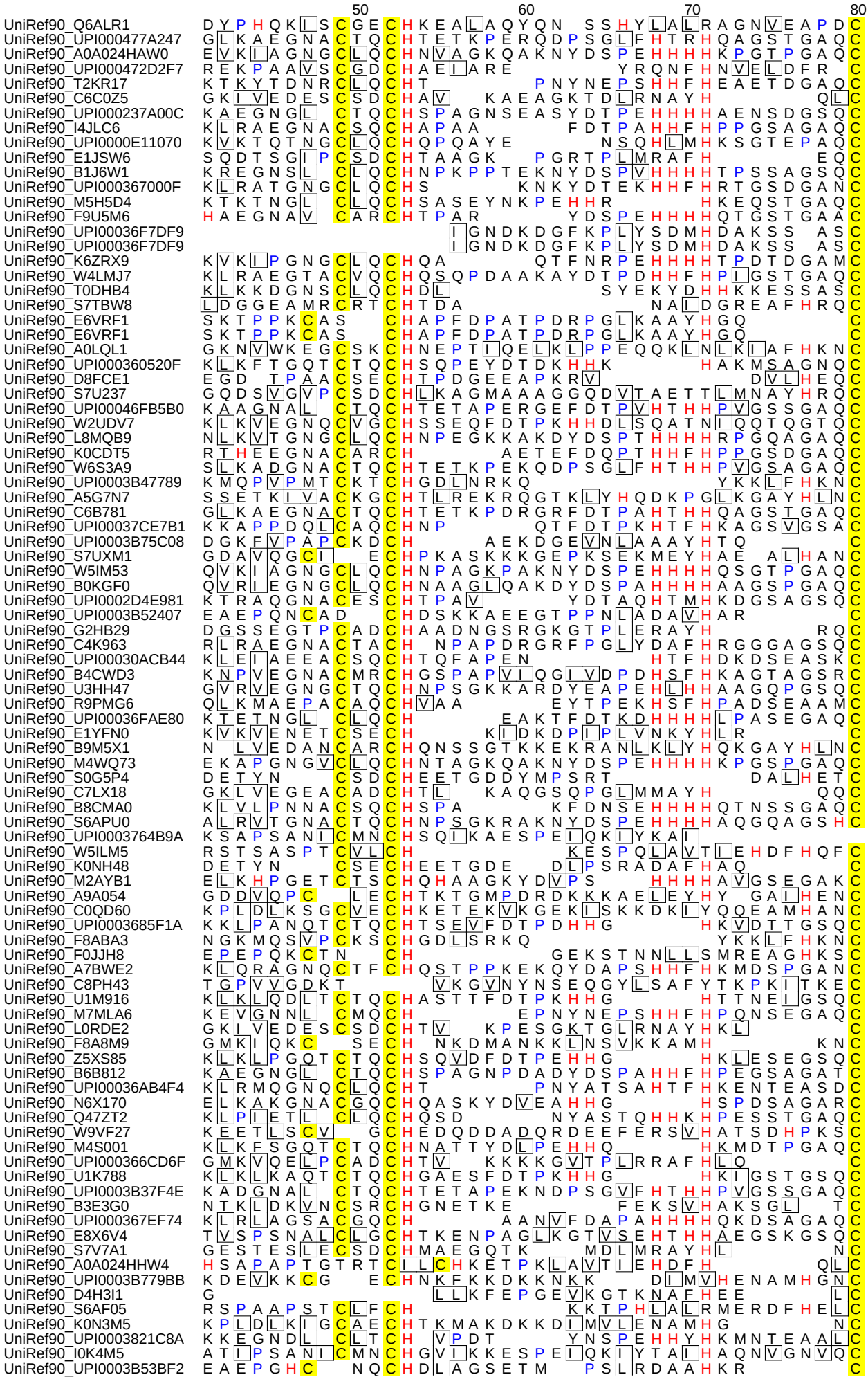

90
100
QUERY
UniRef90_Q30WH0
UniRef90_G1UXA9
UniRef90_E1JRN1
UniRef90_B8IY72
UniRef90_T2G7I8
UniRef90_G1UX31
UniRef90_B6WXU8
UniRef90_L0RDM8
UniRef90_UPI0003B6545D
UniRef90_E5Y4X2
UniRef90_C8X5K5
UniRef90_C8X085
UniRef90_UPI00035C6857
UniRef90_UPI00035FDC4F
UniRef90_C6BUH4
UniRef90_E6VZT9
UniRef90_F0JDK5
UniRef90_P38554
UniRef90_L0R8D6
UniRef90_S7USW4
UniRef90_A8FWU2
UniRef90_UPI00036DD270
UniRef90_P00133
UniRef90_E5Y2S7
UniRef90_S0G6U2
UniRef90_S0G6U2
UniRef90_I5B3B3
UniRef90_I5B3B3
UniRef90_C6BRK0
UniRef90_Q728S8
UniRef90_UPI0003B627A8
UniRef90_UPI0003B627A8
UniRef90_A1VBG7
UniRef90_B8FKY6
UniRef90_B8DM32
UniRef90_B8DQZ3
UniRef90_L0RBZ6
UniRef90_L0RBZ6
UniRef90_C0QHA6
UniRef90_Q9RN68
UniRef90_Q9RN68
UniRef90_B6WSI9
UniRef90_P00134
UniRef90_F0JIY2
UniRef90_G1UVJ3
UniRef90_G1UVJ3
UniRef90_C4XGG7
UniRef90_UPI00039ECBD1
UniRef90_UPI00039ECBD1
UniRef90_B6WTN7
UniRef90_B6WTN7
UniRef90_E5YBQ5
UniRef90_S7U5Y8
UniRef90_D6SNJ7
UniRef90_C8X171
UniRef90_C8X171
UniRef90_UPI00037DF27F
UniRef90_G7QD77
UniRef90_UPI0003B392E9
UniRef90_UPI0003B392E9
UniRef90_E5Y9L6
UniRef90_E5Y9L6
UniRef90_S0G8A7
UniRef90_D6SRB8
UniRef90_UPI0003761587
UniRef90_C7LX19
UniRef90_C0QF53
UniRef90_P00135
UniRef90_A1VAR1
UniRef90_P24092
UniRef90_P24092
UniRef90_UPI000463133B
UniRef90_B8DR59
UniRef90_B8DR59
UniRef90_S7VAY6
UniRef90_UPI0003B4E8C8
UniRef90_UPI0003775F83
UniRef90_B8DK10
UniRef90_E6VQP6
UniRef90_T2G9Q2
UniRef90_T2G9Q2
UniRef90_M1WM43
UniRef90_F0JK49
UniRef90_Q30UU9
UniRef90_M5PSE9
UniRef90_M5PSE9
UniRef90_M5PSE9
UniRef90_C8X3T7
UniRef90_P94691
UniRef90_S7TTP9
UniRef90_S7TTP9

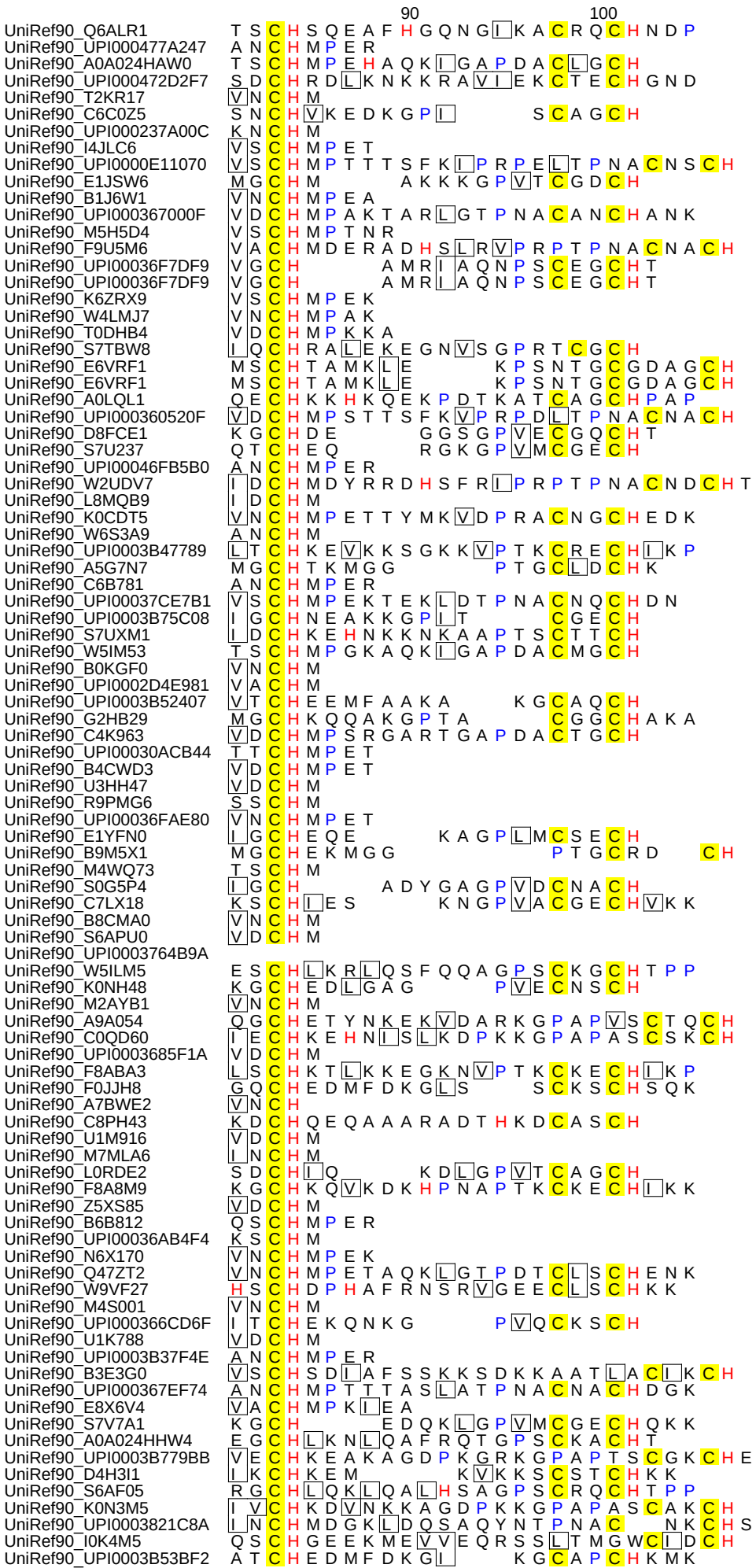

1
10
20
30
40
UniRef90_K0NPE1
UniRef90_S7T120
UniRef90_S7T120
UniRef90_S7UJB9
UniRef90_P00136
UniRef90_UPI0003B43F13
UniRef90_Q315E2
UniRef90_Q315E2
UniRef90_Q315E2
UniRef90_Q315E2
UniRef90_C8X1Y2
UniRef90_E1YDG0
UniRef90_E1YDG0
UniRef90_A8ZUW4
UniRef90_A8ZUW4
UniRef90_E6VQS7
UniRef90_B5YFP9
UniRef90_D6SSM7
UniRef90_Q9R638
UniRef90_B8FFW2
UniRef90_UPI0003B5F9D4
UniRef90_I4CEC9
UniRef90_K0NK05
UniRef90_K0NTI5
UniRef90_E1JZ85
UniRef90_C6BRK7
UniRef90_D6SST1
UniRef90_F8C3E3
UniRef90_F8C3E3
UniRef90_A8ZTK8
UniRef90_K1YNL0
UniRef90_D2QYM7
UniRef90_F3YUC0
UniRef90_K0NAD9
UniRef90_UPI00046CD62A
UniRef90_UPI0003B6AB80
UniRef90_I5B4L2
UniRef90_UPI0003734801
UniRef90_B9M5I7
UniRef90_I4C8C5
UniRef90_D8FAC3
UniRef90_A8ZS59
UniRef90_S0G649
UniRef90_B6WV78
UniRef90_X7AI62
UniRef90_A0A023D6X9
UniRef90_Q2LQK1
UniRef90_F2NGH7
UniRef90_UPI0003B685BE
UniRef90_B5YKW8
UniRef90_S2KEL1
UniRef90_V4IF16
UniRef90_UPI000255704B
UniRef90_R9VG68
UniRef90_S7V061
UniRef90_UPI000373CB39
UniRef90_S6BH20
UniRef90_UPI00036F8DE5
UniRef90_C6BTM3
UniRef90_F8C666
UniRef90_E1SSH5
UniRef90_A0A031MI05
UniRef90_Q30UZ3
UniRef90_F3KYS8
UniRef90_S7TCB0
UniRef90_C8X1Z2
UniRef90_S0FXQ5
UniRef90_Q2IJ34
UniRef90_UPI00022605F7
UniRef90_UPI000378AC92
UniRef90_T2H0P3
UniRef90_UPI00035DC7E3
UniRef90_UPI0003B72AFB
UniRef90_T2GBI9
UniRef90_S6AQ13
UniRef90_B4UBF4
UniRef90_C0QC90
UniRef90_UPI0004672969
UniRef90_UPI000477254C
UniRef90_J3BRZ4
UniRef90_Q1DEC2
UniRef90_UPI00025587DB
UniRef90_F0JEL9
UniRef90_F0JEL9
UniRef90_E1QFI8
UniRef90_K1YPP7
UniRef90_B5JHX4
UniRef90_C0QH26
UniRef90_S9PCZ0
UniRef90_M1PTB4
UniRef90_UPI00037412DB
UniRef90_H8MFZ2

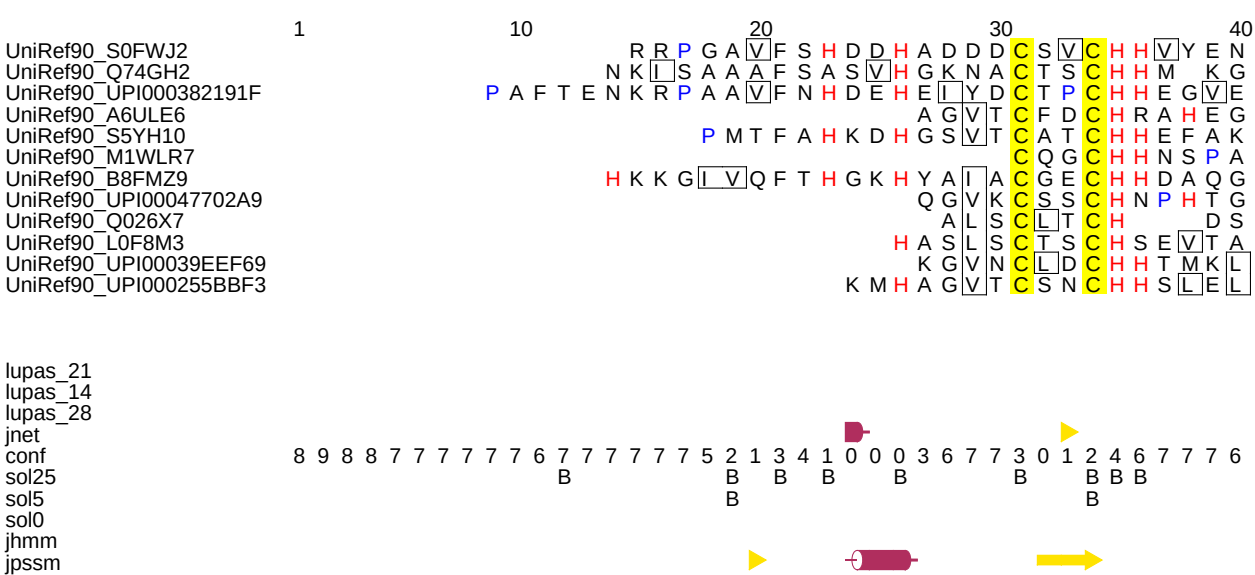

50
60
70
80
UniRef90_K0NPE1
UniRef90_S7T120
UniRef90_S7T120
UniRef90_S7UJB9
UniRef90_P00136
UniRef90_UPI0003B43F13
UniRef90_Q315E2
UniRef90_Q315E2
UniRef90_Q315E2
UniRef90_Q315E2
UniRef90_C8X1Y2
UniRef90_E1YDG0
UniRef90_E1YDG0
UniRef90_A8ZUW4
UniRef90_A8ZUW4
UniRef90_E6VQS7
UniRef90_B5YFP9
UniRef90_D6SSM7
UniRef90_Q9R638
UniRef90_B8FFW2
UniRef90_UPI0003B5F9D4
UniRef90_I4CEC9
UniRef90_K0NK05
UniRef90_K0NTI5
UniRef90_E1JZ85
UniRef90_C6BRK7
UniRef90_D6SST1
UniRef90_F8C3E3
UniRef90_F8C3E3
UniRef90_A8ZTK8
UniRef90_K1YNL0
UniRef90_D2QYM7
UniRef90_F3YUC0
UniRef90_K0NAD9
UniRef90_UPI00046CD62A
UniRef90_UPI0003B6AB80
UniRef90_I5B4L2
UniRef90_UPI0003734801
UniRef90_B9M5I7
UniRef90_I4C8C5
UniRef90_D8FAC3
UniRef90_A8ZS59
UniRef90_S0G649
UniRef90_B6WV78
UniRef90_X7AI62
UniRef90_A0A023D6X9
UniRef90_Q2LQK1
UniRef90_F2NGH7
UniRef90_UPI0003B685BE
UniRef90_B5YKW8
UniRef90_S2KEL1
UniRef90_V4IF16
UniRef90_UPI000255704B
UniRef90_R9VG68
UniRef90_S7V061
UniRef90_UPI000373CB39
UniRef90_S6BH20
UniRef90_UPI00036F8DE5
UniRef90_C6BTM3
UniRef90_F8C666
UniRef90_E1SSH5
UniRef90_A0A031MI05
UniRef90_Q30UZ3
UniRef90_F3KYS8
UniRef90_S7TCB0
UniRef90_C8X1Z2
UniRef90_S0FXQ5
UniRef90_Q2IJ34
UniRef90_UPI00022605F7
UniRef90_UPI000378AC92
UniRef90_T2H0P3
UniRef90_UPI00035DC7E3
UniRef90_UPI0003B72AFB
UniRef90_T2GBI9
UniRef90_S6AQ13
UniRef90_B4UBF4
UniRef90_C0QC90
UniRef90_UPI0004672969
UniRef90_UPI000477254C
UniRef90_J3BRZ4
UniRef90_Q1DEC2
UniRef90_UPI00025587DB
UniRef90_F0JEL9
UniRef90_F0JEL9
UniRef90_E1QFI8
UniRef90_K1YPP7
UniRef90_B5JHX4
UniRef90_C0QH26
UniRef90_S9PCZ0
UniRef90_M1PTB4
UniRef90_UPI00037412DB
UniRef90_H8MFZ2

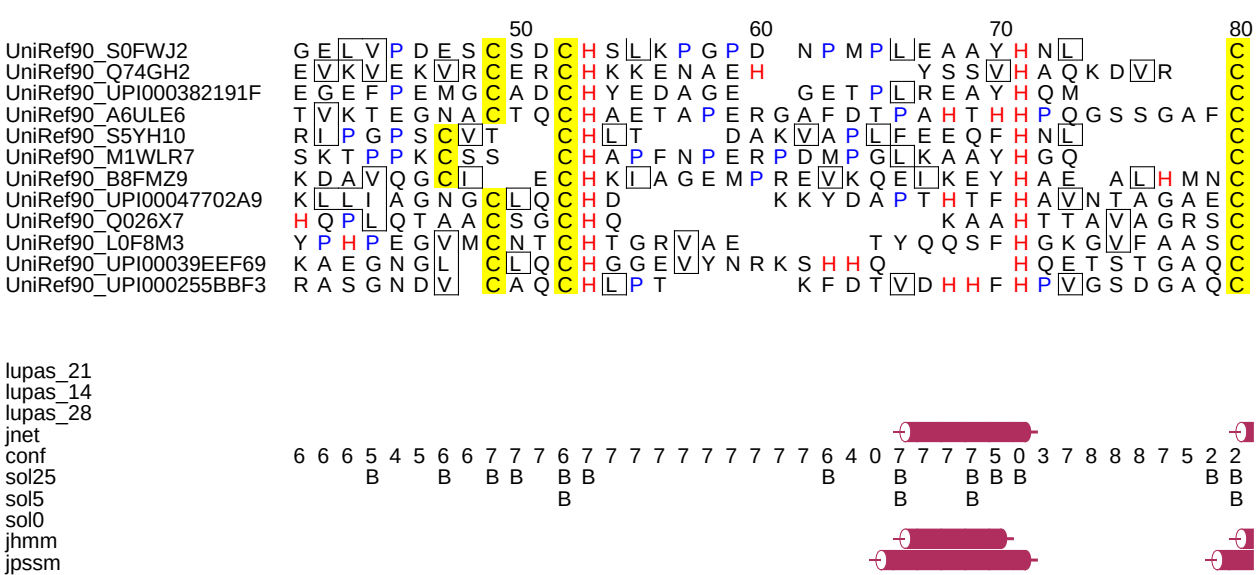

90
100
UniRef90_K0NPE1
UniRef90_S7T120
UniRef90_S7T120
UniRef90_S7UJB9
UniRef90_P00136
UniRef90_UPI0003B43F13
UniRef90_Q315E2
UniRef90_Q315E2
UniRef90_Q315E2
UniRef90_Q315E2
UniRef90_C8X1Y2
UniRef90_E1YDG0
UniRef90_E1YDG0
UniRef90_A8ZUW4
UniRef90_A8ZUW4
UniRef90_E6VQS7
UniRef90_B5YFP9
UniRef90_D6SSM7
UniRef90_Q9R638
UniRef90_B8FFW2
UniRef90_UPI0003B5F9D4
UniRef90_I4CEC9
UniRef90_K0NK05
UniRef90_K0NTI5
UniRef90_E1JZ85
UniRef90_C6BRK7
UniRef90_D6SST1
UniRef90_F8C3E3
UniRef90_F8C3E3
UniRef90_A8ZTK8
UniRef90_K1YNL0
UniRef90_D2QYM7
UniRef90_F3YUC0
UniRef90_K0NAD9
UniRef90_UPI00046CD62A
UniRef90_UPI0003B6AB80
UniRef90_I5B4L2
UniRef90_UPI0003734801
UniRef90_B9M5I7
UniRef90_I4C8C5
UniRef90_D8FAC3
UniRef90_A8ZS59
UniRef90_S0G649
UniRef90_B6WV78
UniRef90_X7AI62
UniRef90_A0A023D6X9
UniRef90_Q2LQK1
UniRef90_F2NGH7
UniRef90_UPI0003B685BE
UniRef90_B5YKW8
UniRef90_S2KEL1
UniRef90_V4IF16
UniRef90_UPI000255704B
UniRef90_R9VG68
UniRef90_S7V061
UniRef90_UPI000373CB39
UniRef90_S6BH20
UniRef90_UPI00036F8DE5
UniRef90_C6BTM3
UniRef90_F8C666
UniRef90_E1SSH5
UniRef90_A0A031MI05
UniRef90_Q30UZ3
UniRef90_F3KYS8
UniRef90_S7TCB0
UniRef90_C8X1Z2
UniRef90_S0FXQ5
UniRef90_Q2IJ34
UniRef90_UPI00022605F7
UniRef90_UPI000378AC92
UniRef90_T2H0P3
UniRef90_UPI00035DC7E3
UniRef90_UPI0003B72AFB
UniRef90_T2GBI9
UniRef90_S6AQ13
UniRef90_B4UBF4
UniRef90_C0QC90
UniRef90_UPI0004672969
UniRef90_UPI000477254C
UniRef90_J3BRZ4
UniRef90_Q1DEC2
UniRef90_UPI00025587DB
UniRef90_F0JEL9
UniRef90_F0JEL9
UniRef90_E1QFI8
UniRef90_K1YPP7
UniRef90_B5JHX4
UniRef90_C0QH26
UniRef90_S9PCZ0
UniRef90_M1PTB4
UniRef90_UPI00037412DB
UniRef90_H8MFZ2

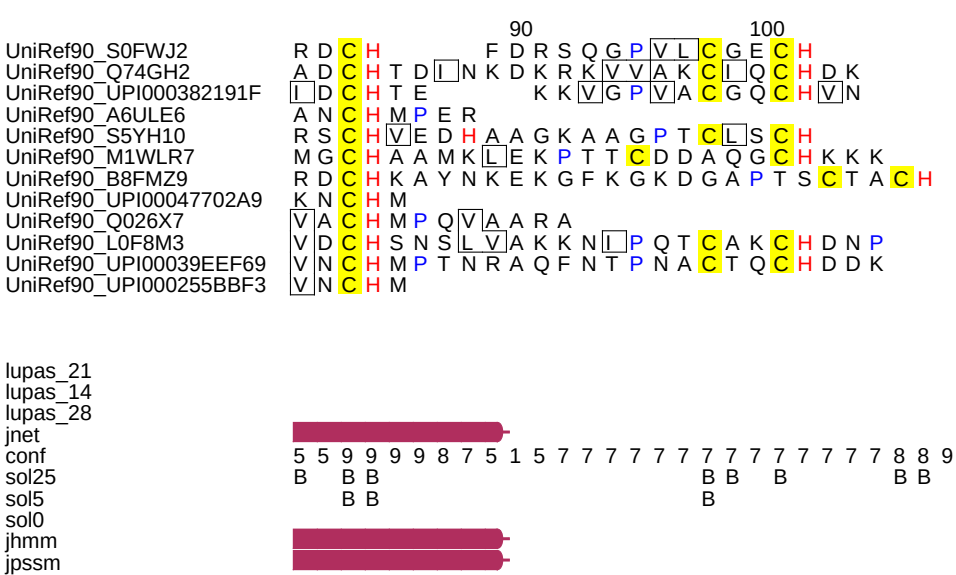

1
10
20
30
40
UniRef90_Q6ALR1
UniRef90_UPI000477A247
UniRef90_A0A024HAW0
UniRef90_UPI000472D2F7
UniRef90_T2KR17
UniRef90_C6C0Z5
UniRef90_UPI000237A00C
UniRef90_I4JLC6
UniRef90_UPI0000E11070
UniRef90_E1JSW6
UniRef90_B1J6W1
UniRef90_UPI000367000F
UniRef90_M5H5D4
UniRef90_F9U5M6
UniRef90_UPI00036F7DF9
UniRef90_UPI00036F7DF9
UniRef90_K6ZRX9
UniRef90_W4LMJ7
UniRef90_T0DHB4
UniRef90_S7TBW8
UniRef90_E6VRF1
UniRef90_E6VRF1
UniRef90_A0LQL1
UniRef90_UPI000360520F
UniRef90_D8FCE1
UniRef90_S7U237
UniRef90_UPI00046FB5B0
UniRef90_W2UDV7
UniRef90_L8MQB9
UniRef90_K0CDT5
UniRef90_W6S3A9
UniRef90_UPI0003B47789
UniRef90_A5G7N7
UniRef90_C6B781
UniRef90_UPI00037CE7B1
UniRef90_UPI0003B75C08
UniRef90_S7UXM1
UniRef90_W5IM53
UniRef90_B0KGF0
UniRef90_UPI0002D4E981
UniRef90_UPI0003B52407
UniRef90_G2HB29
UniRef90_C4K963
UniRef90_UPI00030ACB44
UniRef90_B4CWD3
UniRef90_U3HH47
UniRef90_R9PMG6
UniRef90_UPI00036FAE80
UniRef90_E1YFN0
UniRef90_B9M5X1
UniRef90_M4WQ73
UniRef90_S0G5P4
UniRef90_C7LX18
UniRef90_B8CMA0
UniRef90_S6APU0
UniRef90_UPI0003764B9A
UniRef90_W5ILM5
UniRef90_K0NH48
UniRef90_M2AYB1
UniRef90_A9A054
UniRef90_C0QD60
UniRef90_UPI0003685F1A
UniRef90_F8ABA3
UniRef90_F0JJH8
UniRef90_A7BWE2
UniRef90_C8PH43
UniRef90_U1M916
UniRef90_M7MLA6
UniRef90_L0RDE2
UniRef90_F8A8M9
UniRef90_Z5XS85
UniRef90_B6B812
UniRef90_UPI00036AB4F4
UniRef90_N6X170
UniRef90_Q47ZT2
UniRef90_W9VF27
UniRef90_M4S001
UniRef90_UPI000366CD6F
UniRef90_U1K788
UniRef90_UPI0003B37F4E
UniRef90_B3E3G0
UniRef90_UPI000367EF74
UniRef90_E8X6V4
UniRef90_S7V7A1
UniRef90_A0A024HHW4
UniRef90_UPI0003B779BB
UniRef90_D4H3I1
UniRef90_S6AF05
UniRef90_K0N3M5
UniRef90_UPI0003821C8A
UniRef90_I0K4M5
UniRef90_UPI0003B53BF2


50
60
70
80
UniRef90_Q6ALR1
UniRef90_UPI000477A247
UniRef90_A0A024HAW0
UniRef90_UPI000472D2F7
UniRef90_T2KR17
UniRef90_C6C0Z5
UniRef90_UPI000237A00C
UniRef90_I4JLC6
UniRef90_UPI0000E11070
UniRef90_E1JSW6
UniRef90_B1J6W1
UniRef90_UPI000367000F
UniRef90_M5H5D4
UniRef90_F9U5M6
UniRef90_UPI00036F7DF9
UniRef90_UPI00036F7DF9
UniRef90_K6ZRX9
UniRef90_W4LMJ7
UniRef90_T0DHB4
UniRef90_S7TBW8
UniRef90_E6VRF1
UniRef90_E6VRF1
UniRef90_A0LQL1
UniRef90_UPI000360520F
UniRef90_D8FCE1
UniRef90_S7U237
UniRef90_UPI00046FB5B0
UniRef90_W2UDV7
UniRef90_L8MQB9
UniRef90_K0CDT5
UniRef90_W6S3A9
UniRef90_UPI0003B47789
UniRef90_A5G7N7
UniRef90_C6B781
UniRef90_UPI00037CE7B1
UniRef90_UPI0003B75C08
UniRef90_S7UXM1
UniRef90_W5IM53
UniRef90_B0KGF0
UniRef90_UPI0002D4E981
UniRef90_UPI0003B52407
UniRef90_G2HB29
UniRef90_C4K963
UniRef90_UPI00030ACB44
UniRef90_B4CWD3
UniRef90_U3HH47
UniRef90_R9PMG6
UniRef90_UPI00036FAE80
UniRef90_E1YFN0
UniRef90_B9M5X1
UniRef90_M4WQ73
UniRef90_S0G5P4
UniRef90_C7LX18
UniRef90_B8CMA0
UniRef90_S6APU0
UniRef90_UPI0003764B9A
UniRef90_W5ILM5
UniRef90_K0NH48
UniRef90_M2AYB1
UniRef90_A9A054
UniRef90_C0QD60
UniRef90_UPI0003685F1A
UniRef90_F8ABA3
UniRef90_F0JJH8
UniRef90_A7BWE2
UniRef90_C8PH43
UniRef90_U1M916
UniRef90_M7MLA6
UniRef90_L0RDE2
UniRef90_F8A8M9
UniRef90_Z5XS85
UniRef90_B6B812
UniRef90_UPI00036AB4F4
UniRef90_N6X170
UniRef90_Q47ZT2
UniRef90_W9VF27
UniRef90_M4S001
UniRef90_UPI000366CD6F
UniRef90_U1K788
UniRef90_UPI0003B37F4E
UniRef90_B3E3G0
UniRef90_UPI000367EF74
UniRef90_E8X6V4
UniRef90_S7V7A1
UniRef90_A0A024HHW4
UniRef90_UPI0003B779BB
UniRef90_D4H3I1
UniRef90_S6AF05
UniRef90_K0N3M5
UniRef90_UPI0003821C8A
UniRef90_I0K4M5
UniRef90_UPI0003B53BF2


90
100
UniRef90_Q6ALR1 T S C H S Q E A F H G Q N G I K A C R Q C H N D P
UniRef90_UPI000477A247 A N C H M P E R
UniRef90_A0A024HAW0 T S C H M P E H A Q K I G A P D A C L G C H
UniRef90_UPI000472D2F7 S D C H R D L K N K K R A V I E K C T E C H G N D
UniRef90_T2KR17 V N C H M
UniRef90_C6C0Z5 S N C H V K E D K G P I S C A G C H
UniRef90_UPI000237A00C K N C H M
UniRef90_I4JLC6 V S C H M P E T
UniRef90_UPI0000E11070 V S C H M P T T T S F K I P R P E L T P N A C N S C H
UniRef90_E1JSW6 M G C H M A K K K G P V T C G D C H
UniRef90_B1J6W1 V N C H M P E A
UniRef90_UPI000367000F V D C H M P A K T A R L G T P N A C A N C H A N K
UniRef90_M5H5D4 V S C H M P T N R
UniRef90_F9U5M6 V A C H M D E R A D H S L R V P R P T P N A C N A C H
UniRef90_UPI00036F7DF9 V G C H A M R I A Q N P S C E G C H T
UniRef90_UPI00036F7DF9 V G C H A M R I A Q N P S C E G C H T
UniRef90_K6ZRX9 V S C H M P E K
UniRef90_W4LMJ7 V N C H M P A K
UniRef90_T0DHB4 V D C H M P K K A
UniRef90_S7TBW8 I Q C H R A L E K E G N V S G P R T C G C H
UniRef90_E6VRF1 M S C H T A M K L E K P S N T G C G D A G C H
UniRef90_E6VRF1 M S C H T A M K L E K P S N T G C G D A G C H
UniRef90_A0LQL1 Q E C H K K H K Q E K P D T K A T C A G C H P A P
UniRef90_UPI000360520F V D C H M P S T T S F K V P R P D L T P N A C N A C H
UniRef90_D8FCE1 K G C H D E G G S G P V E C G Q C H T
UniRef90_S7U237 Q T C H E Q R G K G P V M C G E C H
UniRef90_UPI00046FB5B0 A N C H M P E R
UniRef90_W2UDV7 I D C H M D Y R R D H S F R I P R P T P N A C N D C H T
UniRef90_L8MQB9 I D C H M
UniRef90_K0CDT5 V N C H M P E T T Y M K V D P R A C N G C H E D K
UniRef90_W6S3A9 A N C H M
UniRef90_UPI0003B47789 L T C H K E V K K S G K K V P T K C R E C H I K P
UniRef90_A5G7N7 M G C H T K M G G P T G C L D C H K
UniRef90_C6B781 A N C H M P E R
UniRef90_UPI00037CE7B1 V S C H M P E K T E K L D T P N A C N Q C H D N
UniRef90_UPI0003B75C08 I G C H N E A K K G P I T C G E C H
UniRef90_S7UXM1 I D C H K E H N K K N K A A P T S C T T C H
UniRef90_W5IM53 T S C H M P G K A Q K I G A P D A C M G C H
UniRef90_B0KGF0 V N C H M
UniRef90_UPI0002D4E981 V A C H M
UniRef90_UPI0003B52407 V T C H E E M F A A K A K G C A Q C H
UniRef90_G2HB29 M G C H K Q Q A K G P T A C G G C H A K A
UniRef90_C4K963 V D C H M P S R G A R T G A P D A C T G C H
UniRef90_UPI00030ACB44 T T C H M P E T
UniRef90_B4CWD3 V D C H M P E T
UniRef90_U3HH47 V D C H M
UniRef90_R9PMG6 S S C H M
UniRef90_UPI00036FAE80 V N C H M P E T
UniRef90_E1YFN0 I G C H E Q E K A G P L M C S E C H
UniRef90_B9M5X1 M G C H E K M G G P T G C R D C H
UniRef90_M4WQ73 T S C H M
UniRef90_S0G5P4 I G C H A D Y G A G P V D C N A C H
UniRef90_C7LX18 K S C H I E S K N G P V A C G E C H V K K
UniRef90_B8CMA0 V N C H M
UniRef90_S6APU0 V D C H M
UniRef90_UPI0003764B9A
UniRef90_W5ILM5 E S C H L K R L Q S F Q Q A G P S C K G C H T P P
UniRef90_K0NH48 K G C H E D L G A G P V E C N S C H
UniRef90_M2AYB1 V N C H M
UniRef90_A9A054 Q G C H E T Y N K E K V D A R K G P A P V S C T Q C H
UniRef90_C0QD60 I E C H K E H N I S L K D P K K G P A P A S C S K C H
UniRef90_UPI0003685F1A V D C H M
UniRef90_F8ABA3 L S C H K T L K K E G K N V P T K C K E C H I K P
UniRef90_F0JJH8 G Q C H E D M F D K G L S S C K S C H S Q K
UniRef90_A7BWE2 V N C H
UniRef90_C8PH43 K D C H Q E Q A A A R A D T H K D C A S C H
UniRef90_U1M916 V D C H M
UniRef90_M7MLA6 I N C H M
UniRef90_L0RDE2 S D C H I Q K D L G P V T C A G C H
UniRef90_F8A8M9 K G C H K Q V K D K H P N A P T K C K E C H I K K
UniRef90_Z5XS85 V D C H M
UniRef90_B6B812 Q S C H M P E R
UniRef90_UPI00036AB4F4 K S C H M
UniRef90_N6X170 V N C H M P E K
UniRef90_Q47ZT2 V N C H M P E T A Q K L G T P D T C L S C H E N K
UniRef90_W9VF27 H S C H D P H A F R N S R V G E E C L S C H K K
UniRef90_M4S001 V N C H M
UniRef90_UPI000366CD6F I T C H E K Q N K G P V Q C K S C H
UniRef90_U1K788 V D C H M
UniRef90_UPI0003B37F4E A N C H M P E R
UniRef90_B3E3G0 V S C H S D I A F S S K K S D K K A A T L A C I K C H
UniRef90_UPI000367EF74 A N C H M P T T T A S L A T P N A C N A C H D G K
UniRef90_E8X6V4 V A C H M P K I E A
UniRef90_S7V7A1 K G C H E D Q K L G P V M C G E C H Q K K
UniRef90_A0A024HHW4 E G C H L K N L Q A F R Q T G P S C K A C H T
UniRef90_UPI0003B779BB V E C H K E A K A G D P K G R K G P A P T S C G K C H E
UniRef90_D4H3I1 I K C H K E M K V K K S C S T C H K K
UniRef90_S6AF05 R G C H L Q K L Q A L H S A G P S C R Q C H T P P
UniRef90_K0N3M5 I V C H K D V N K K A G D P K K G P A P A S C A K C H
UniRef90_UPI0003821C8A I N C H M D G K L D Q S A Q Y N T P N A C N K C H S
UniRef90_I0K4M5 Q S C H G E E K M E V V E Q R S S L T M G W C I D C H
UniRef90_UPI0003B53BF2 A T C H E D M F D K G I K G C A P C H K M K


1
10
20
30
40
UniRef90_S0FWJ2
UniRef90_Q74GH2
UniRef90_UPI000382191F
UniRef90_A6ULE6
UniRef90_S5YH10
UniRef90_M1WLR7
UniRef90_B8FMZ9
UniRef90_UPI00047702A9
UniRef90_Q026X7
UniRef90_L0F8M3
UniRef90_UPI00039EEF69
UniRef90_UPI000255BBF3
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


50
60
70
80
UniRef90_S0FWJ2
UniRef90_Q74GH2
UniRef90_UPI000382191F
UniRef90_A6ULE6
UniRef90_S5YH10
UniRef90_M1WLR7
UniRef90_B8FMZ9
UniRef90_UPI00047702A9
UniRef90_Q026X7
UniRef90_L0F8M3
UniRef90_UPI00039EEF69
UniRef90_UPI000255BBF3
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


90
100
UniRef90_S0FWJ2 R D C H F D R S Q G P V L C G E C H
UniRef90_Q74GH2 A D C H T D I N K D K R K V V A K C I Q C H D K
UniRef90_UPI000382191F I D C H T E K K V G P V A C G Q C H V N
UniRef90_A6ULE6 A N C H M P E R
UniRef90_S5YH10 R S C H V E D H A A G K A A G P T C L S C H
UniRef90_M1WLR7 M G C H A A M K L E K P T T C D D A Q G C H K K K
UniRef90_B8FMZ9 R D C H K A Y N K E K G F K G K D G A P T S C T A C H
UniRef90_UPI00047702A9 K N C H M
UniRef90_Q026X7 V A C H M P Q V A A R A
UniRef90_L0F8M3 V D C H S N S L V A K K N I P Q T C A K C H D N P
UniRef90_UPI00039EEF69 V N C H M P T N R A Q F N T P N A C T Q C H D D K
UniRef90_UPI000255BBF3 V N C H M
lupas_21
lupas_14
lupas_28
jnet
conf 5 5 9 9 9 9 8 7 5 1 5 7 7 7 7 7 7 7 7 7 7 7 7 8 8 9
sol25 B B B B B B B
sol5 B B B
sol0
jhmm
jpssm