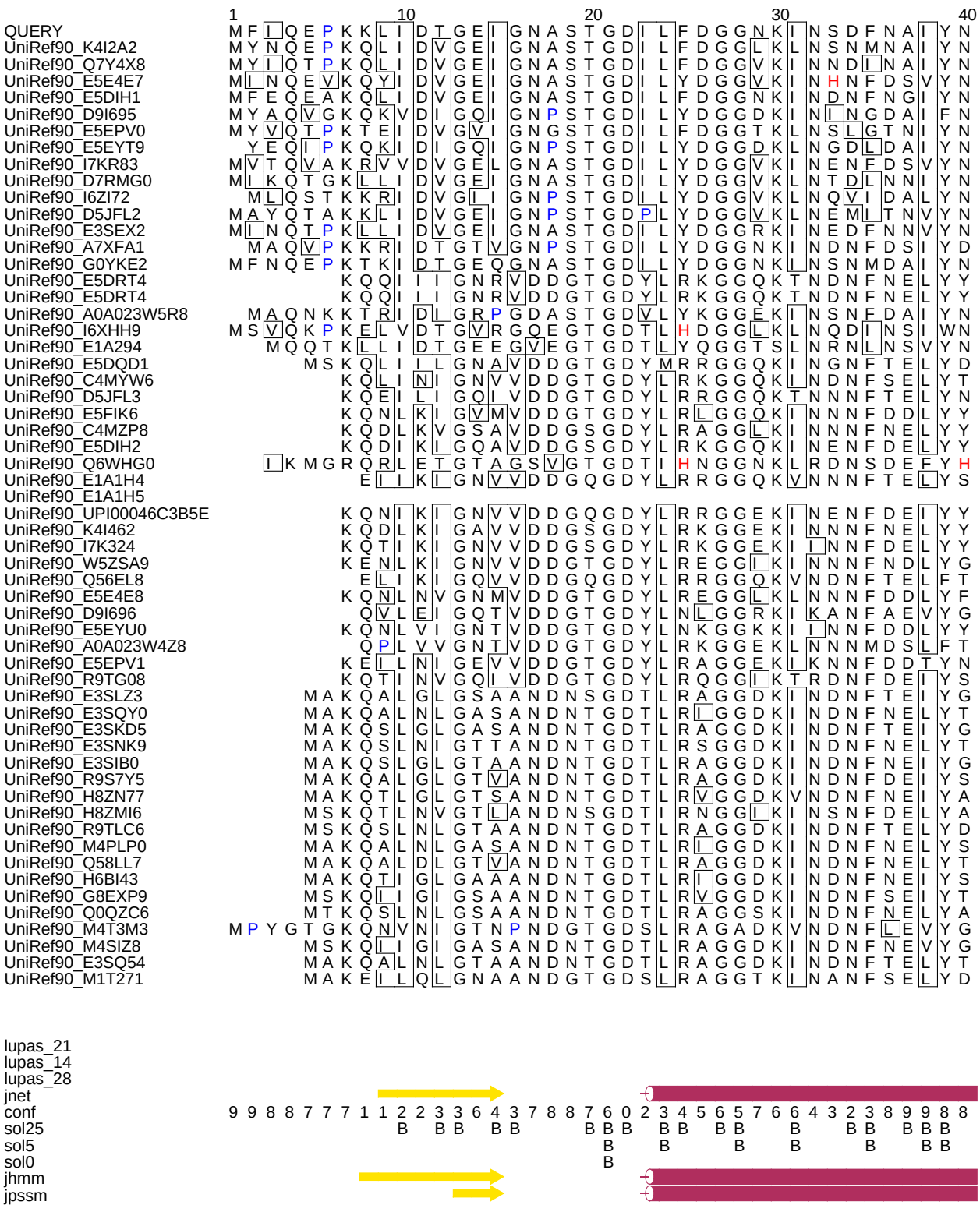
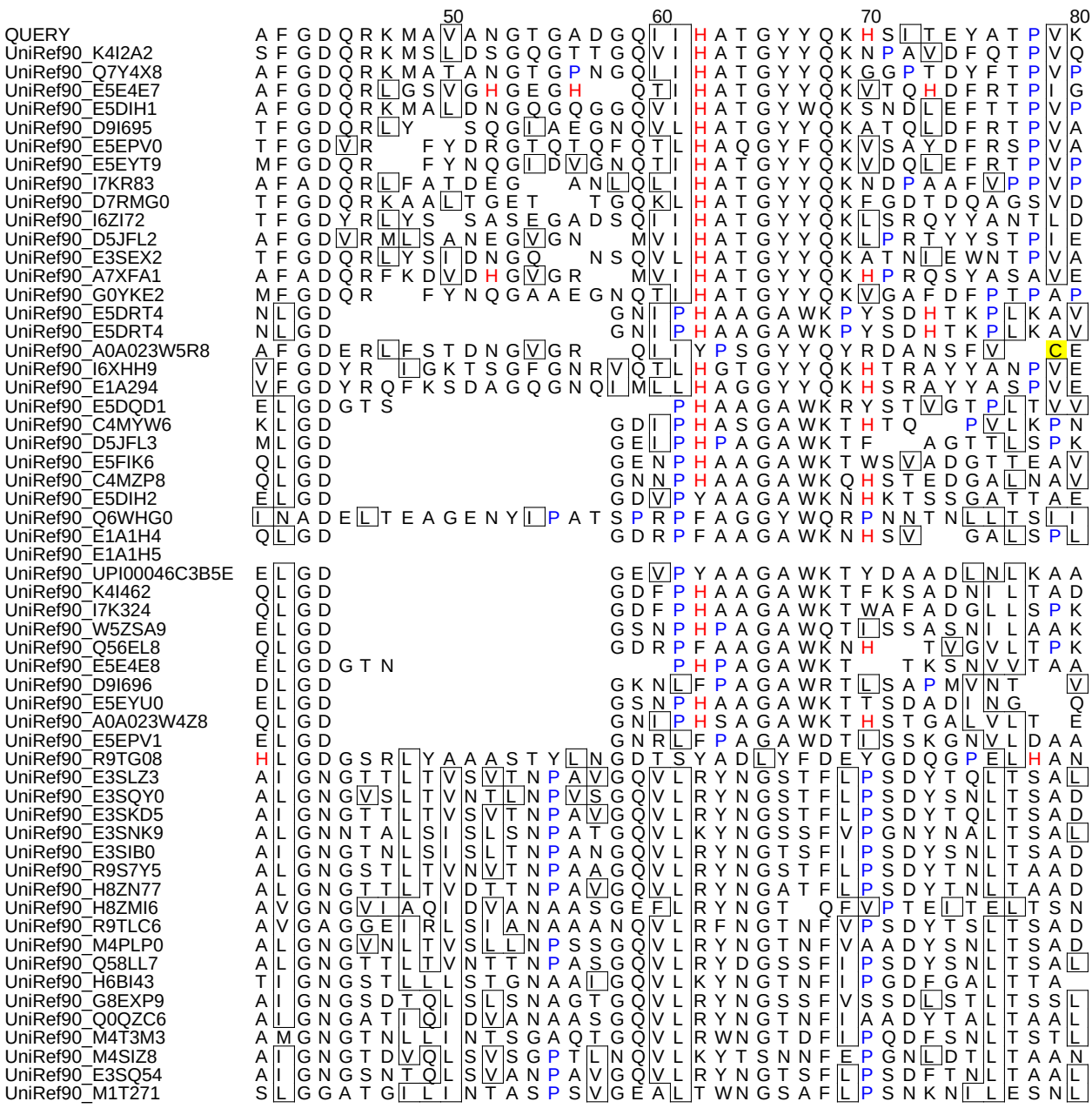
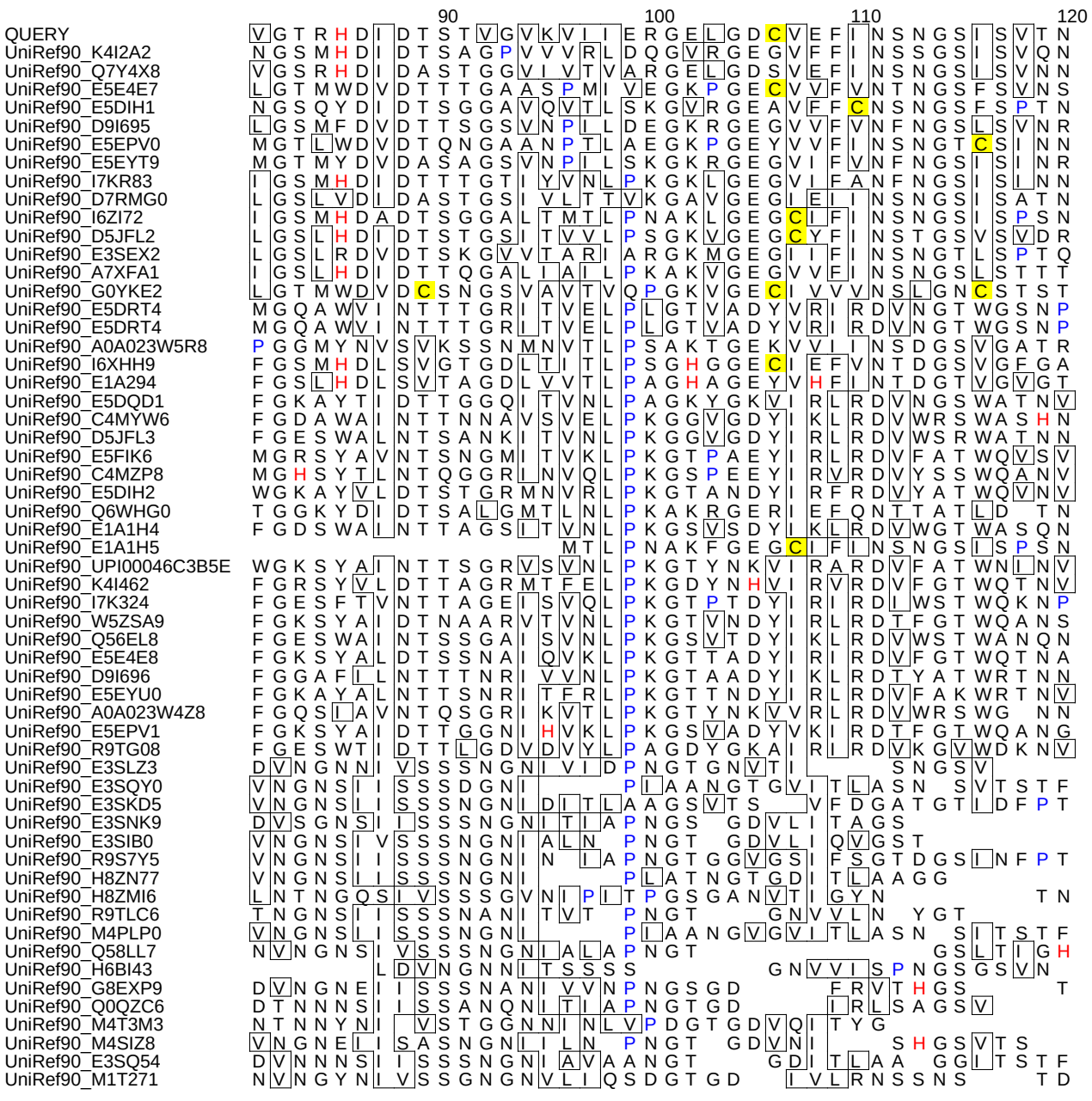
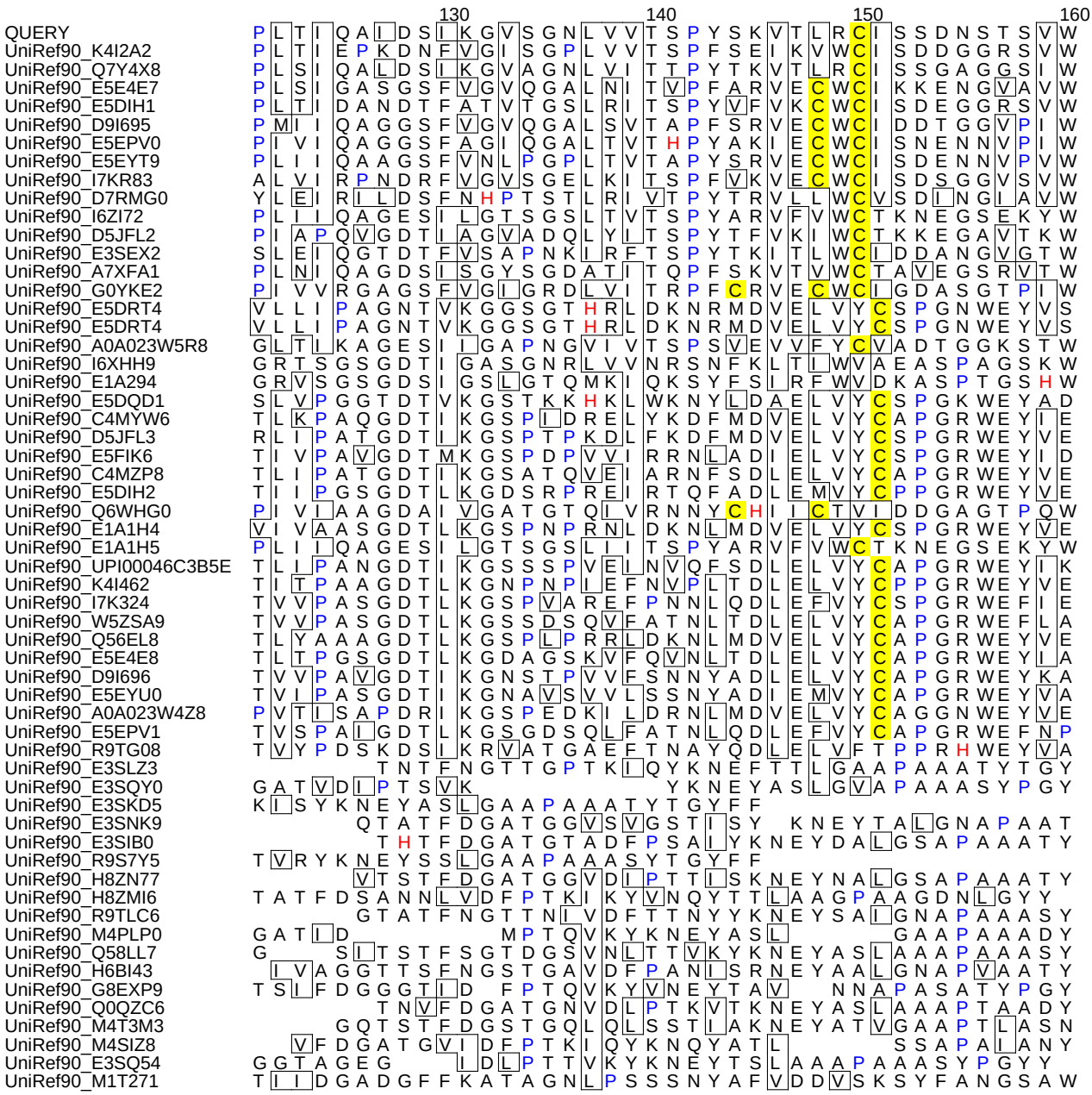
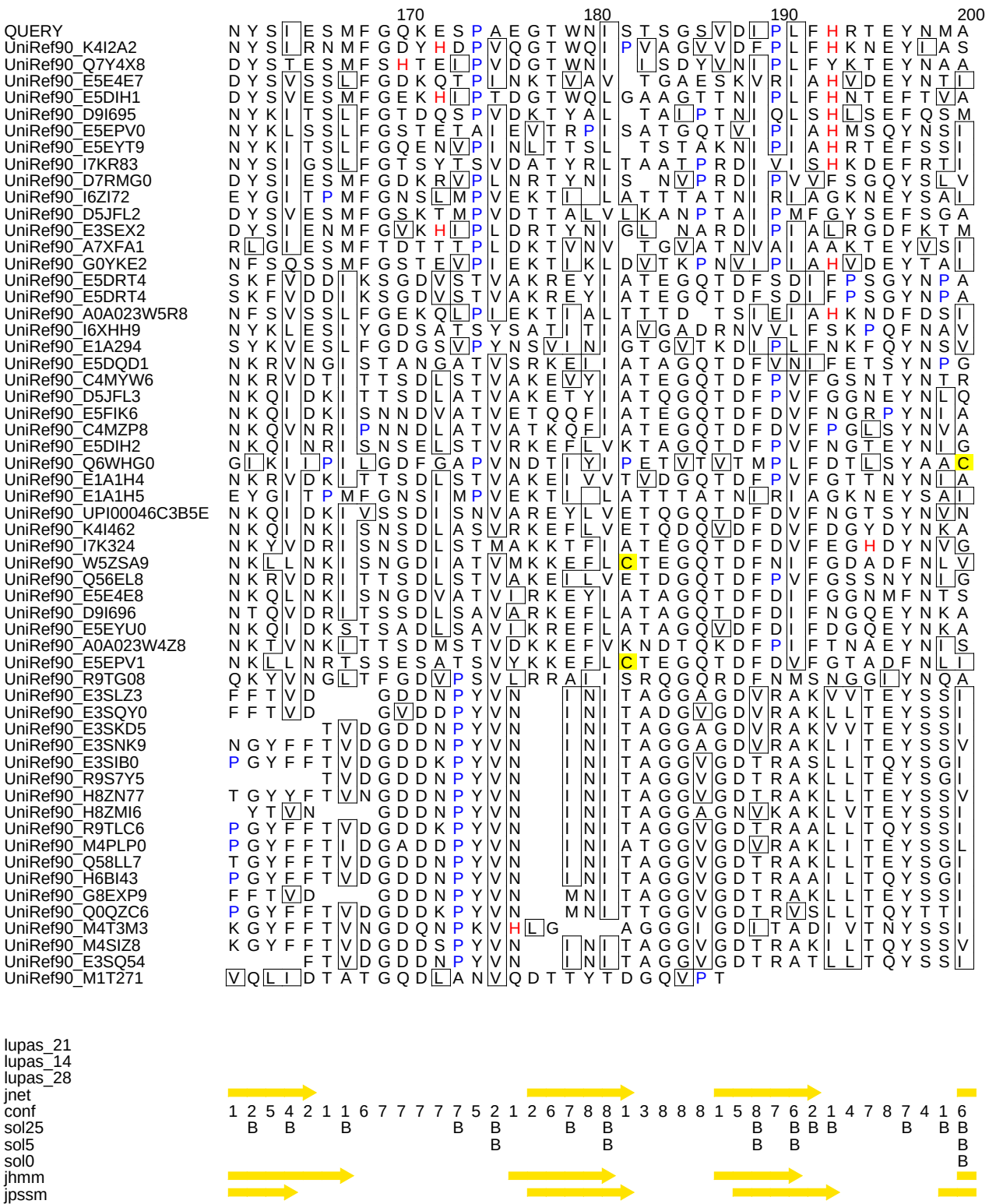
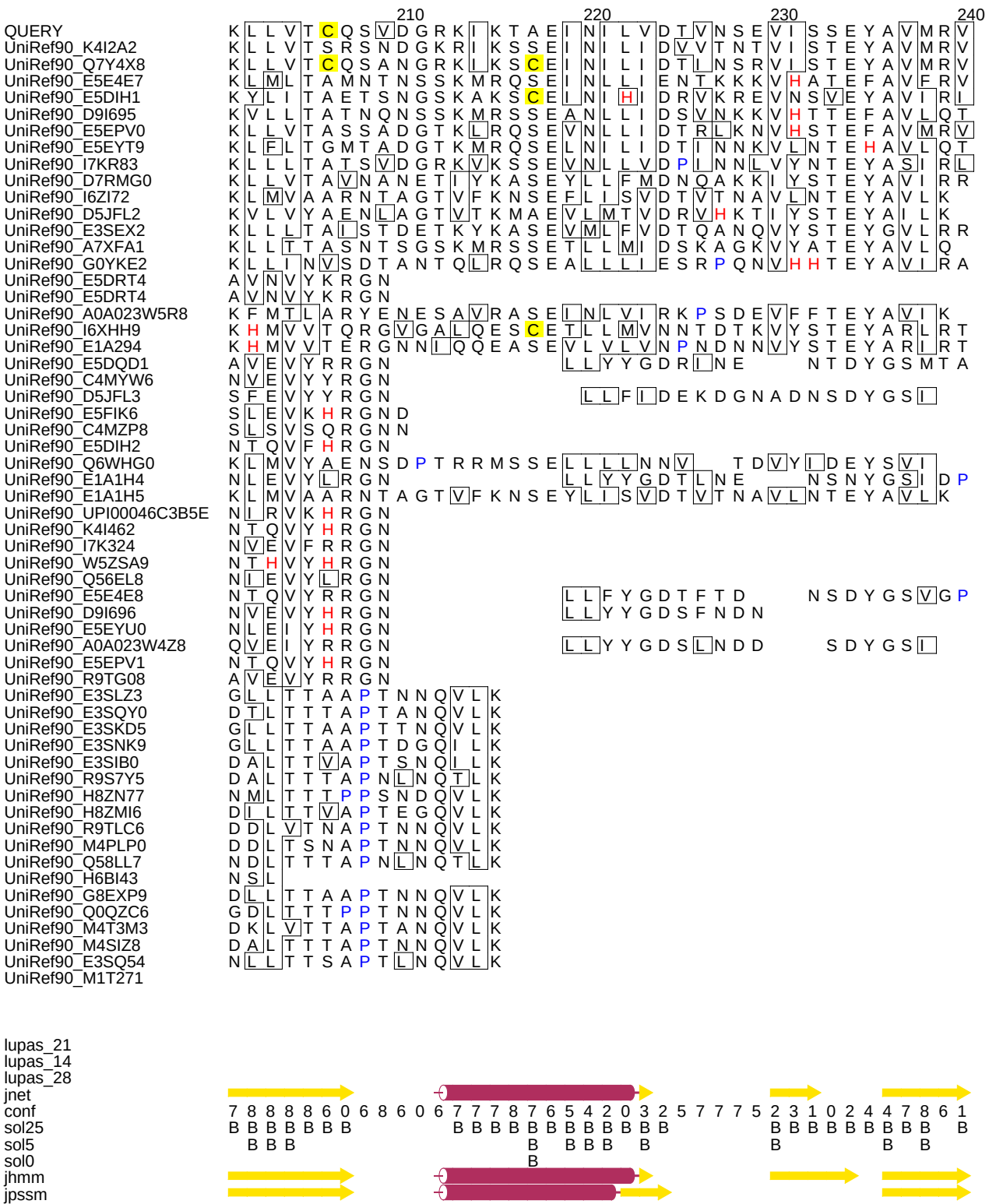

1 10 20 30 40
QUERY MFIQEPKKLIDTGEIGNASTGDILFDGGGNKINSDFNAIYN
UniRef90_K4I2A2 MYNQEPKQLIDVGEIGNASTGDILFDGGLKLNSNMNAIYN
UniRef90_Q7Y4X8 MYIQTPKQLIDVGEIGNASTGDILFDGGVKINNDINAIYN
UniRef90_E5E4E7 MINQEVKQYIDVGEIGNASTGDILYDGGVKINHNFDSVYN
UniRef90_E5DIH1 MFEQEAKQLIDVGEIGNASTGDILFDGGNKINFNGIYN
UniRef90_D9I695 MYAQVGKQKVDIGQIGNPSTGDILYDGGDKININGDAIFN
UniRef90_E5EPV0 MYVQTPKTEIDVGVIGNGSTGDILFDGGTKLNSLGTNIYN
UniRef90_E5EYT9 YEQIPKQKIDIGQIGNPSTGDILYDGGDKLNGDLDAIYN
UniRef90_I7KR83 MVTQVAKRVVDVGELGNASTGDILYDGGVKINENFDSVYN
UniRef90_D7RMG0 MIKQTGKLLIDVGEIGNASTGDILYDGGVKLNTDLNNIYN
UniRef90_I6ZI72 MLQSTKKRIDVGIIGNPSTGDILYDGGVKLNQVIDALYN
UniRef90_D5JFL2 MAYQTAKKLIDVGEIGNPSTGDPLYDGGVKLNEMITNVYN
UniRef90_E3SEX2 MINQTPKLLIDVGEIGNASTGDILYDGGRKINEDFNNVYN
UniRef90_A7XFA1 MAQVPKKRIDTGTVGNPSTGDILYDGGNKINDNFDSIYD
UniRef90_G0YKE2 MFNQEPKTKIDTGEQGNASTGDILYDGGNKLNSNMDAIYN
UniRef90_E5DRT4 KQQIIIGNRVDDGTGDYLRKGGQKTNDNFNELYY
UniRef90_E5DRT4 KQQIIIGNRVDDGTGDYLRKGGQKTNDNFNELYY
UniRef90_A0A023W5R8 MAQNKKTRIDIGRPGDASTGDVLYKGGEKINSNFDAIYN
UniRef90_I6XHH9 MSVQKPKELVDTGVRGQEGTGDTLHDGGLKLNQDINSIWN
UniRef90_E1A294 MQQTKLLIDTGEEGVEGTGDTLYQGGTSLNRNLNSVYN
UniRef90_E5DQD1 MSKQLIILGNAVDDGTGDYMRRGGQKINGNFTELYD
UniRef90_C4MYW6 KQLINIGNVVDDGTGDYLRKGGQKLNDNFSELYT
UniRef90_D5JFL3 KQEILIGQIVDDGTGDYLRRGGQKTNNNFTELYN
UniRef90_E5FIK6 KQNLKIGVMVDDGTGDYLRLGGQKINNNFDDLYY
UniRef90_C4MZP8 KQDLKVGSAVDDGSGDYLRAGGLKINNNFNELYY
UniRef90_E5DIH2 KQDIKIGQAVDDGSGDYLRKGGQKINENFDELYY
UniRef90_Q6WHG0 IKMGRQRLETGTAGSVGTGDTIHNGGNKLRDNSDEFYH
UniRef90_E1A1H4 EIIKIGNVVDDGQGDYLRRGGQKVNNNFTELYS
UniRef90_E1A1H5
UniRef90_UPI00046C3B5E KQNIKIGNVVDDGQGDYLRRGGEKINENFDEIYY
UniRef90_K4I462 KQDLKIGAVVDDGSGDYLRKGGEKINNNFNELYY
UniRef90_I7K324 KQTIKIGNVVDDGSGDYLRKGGEKIINNFDELYY
UniRef90_W5ZSA9 KENLKIGNVVDDGTGDYLREGGIKINNNFNDLYG
UniRef90_Q56EL8 ELIKIGQVVDDGQGDYLRRGGQKVNDNFTELFT
UniRef90_E5E4E8 KQNLNVGNMVDDGTGDYLREGGLKLNNNFDDLYY
UniRef90_D9I696 QVLEIGQTVDDGTGDYLNLGGRKIKANFAEVYG
UniRef90_E5EYU0 KQNLVIGNTVDDGTGDYLNKGGKKIINNFDDLYY
UniRef90_A0A023W4Z8 QPLVVGNTVDDGTGDYLRKGGEKLNNNMDSLFT
UniRef90_E5EPV1 KELLNIGEVVDDGTGDYLRAGGEKIKNNFDDTYN
UniRef90_R9TG08 KQTINVGQIVDDGTGDYLRQGGIKTRDNFDEIYS
UniRef90_E3SLZ3 MAKQALGLGSAANDNSGDTLRAGGDKINDNFTEIYG
UniRef90_E3SQY0 MAKQALNLGASANDNTGDTLRIGGDKINDNFNELYT
UniRef90_E3SKD5 MAKQSLGLGASANDNTGDTLRAGGDKINDNFTEIYG
UniRef90_E3SNK9 MAKQSLNIGTTANDNTGDTLRSGGDKINDNFNELYG
UniRef90_E3SIB0 MAKQSLGLGTAANDNTGDTLRAGGDKINDNFNEIYG
UniRef90_R9S7Y5 MAKQALGLGTVANDNTGDTLRAGGDKINDNFDEIYS
UniRef90_H8ZN77 MAKQTLGLGTSANDNTGDTLRVGGDKVNDNFNEIYA
UniRef90_H8ZMI6 MSKQTLNVGTLANDNSGDTIRNGGIKINSNFDELYA
UniRef90_R9TLC6 MSKQSLNLGTAANDNTGDTLRAGGDKINDNFTELYD
UniRef90_M4PLP0 MAKQALNLGASANDNTGDTLRIGGDKINDNFNELYS
UniRef90_Q58LL7 MAKQALDLGTVANDNTGDTLRAGGDKINDNFNELYT
UniRef90_H6BI43 MAKQTIGLGAAANDNTGDTLRIGGDKINDNFNEIYS
UniRef90_G8EXP9 MSKQIIGIGSAANDNTGDTLRVGGDKINDNFSEIYT
UniRef90_Q0QZC6 MTKQSLNLGSAANDNTGDTLRAGGSKINDNFNELYA
UniRef90_M4T3M3 MPYGTGKQNVNIGTNPNDGTGDSLRAGADKVNDNFLEVYG
UniRef90_M4SIZ8 MSKQIIGIGASANDNTGDTLRAGGDKINDNFNEVYG
UniRef90_E3SQ54 MAKQALNLGTAANDNTGDTLRAGGDKINDNFTELYT
UniRef90_M1T271 MAKEILQLGNAANDGTGDSLRAGGTKINANFSELYD
lupas_21
lupas_14
lupas_28
jnet
conf 9 9 8 8 7 7 7 1 1 2 2 3 6 4 3 7 8 8 7 6 0 2 3 4 5 6 5 7 6 6 4 3 2 3 8 9 9 8 8
sol25 B B B B B B B B B B B B B B B B
sol5 B B B B B
sol0 B
jhmm
jpssm


50
60
70
80
QUERY
UniRef90_K4I2A2
UniRef90_Q7Y4X8
UniRef90_E5E4E7
UniRef90_E5DIH1
UniRef90_D9I695
UniRef90_E5EPV0
UniRef90_E5EYT9
UniRef90_I7KR83
UniRef90_D7RMG0
UniRef90_I6ZI72
UniRef90_D5JFL2
UniRef90_E3SEX2
UniRef90_A7XFA1
UniRef90_G0YKE2
UniRef90_E5DRT4
UniRef90_E5DRT4
UniRef90_A0A023W5R8
UniRef90_I6XHH9
UniRef90_E1A294
UniRef90_E5DQD1
UniRef90_C4MYW6
UniRef90_D5JFL3
UniRef90_E5FIK6
UniRef90_C4MZP8
UniRef90_E5DIH2
UniRef90_Q6WHG0
UniRef90_E1A1H4
UniRef90_E1A1H5
UniRef90_UPI00046C3B5E
UniRef90_K4I462
UniRef90_I7K324
UniRef90_W5ZSA9
UniRef90_Q56EL8
UniRef90_E5E4E8
UniRef90_D9I696
UniRef90_E5EYU0
UniRef90_A0A023W4Z8
UniRef90_E5EPV1
UniRef90_R9TG08
UniRef90_E3SLZ3
UniRef90_E3SQY0
UniRef90_E3SKD5
UniRef90_E3SNK9
UniRef90_E3SIB0
UniRef90_R9S7Y5
UniRef90_H8ZN77
UniRef90_H8ZMI6
UniRef90_R9TLC6
UniRef90_M4PLP0
UniRef90_Q58LL7
UniRef90_H6BI43
UniRef90_G8EXP9
UniRef90_Q0QZC6
UniRef90_M4T3M3
UniRef90_M4SIZ8
UniRef90_E3SQ54
UniRef90_M1T271
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm

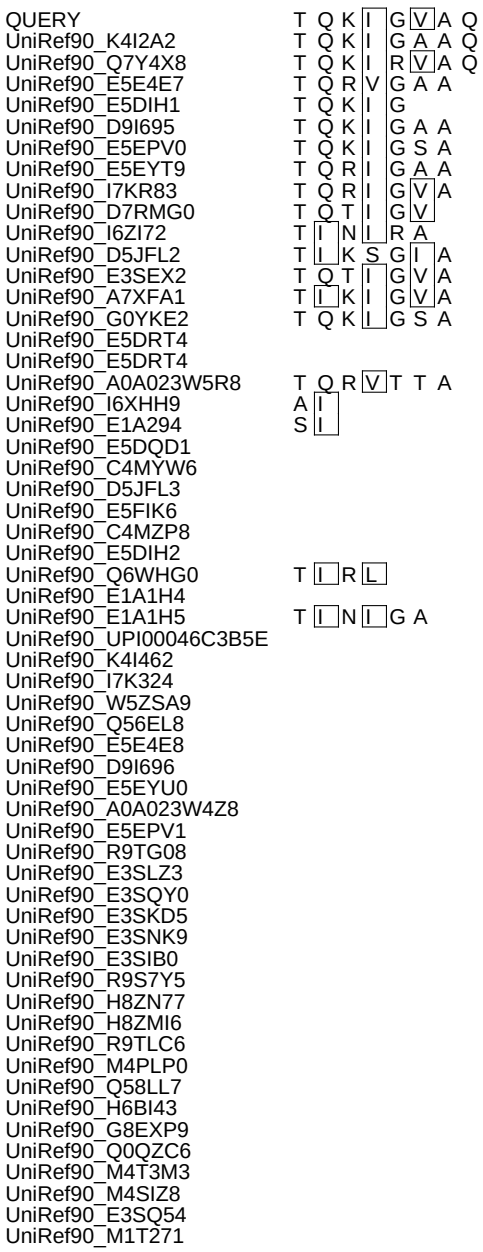

90
100
110
120
QUERY
UniRef90_K4I2A2
UniRef90_Q7Y4X8
UniRef90_E5E4E7
UniRef90_E5DIH1
UniRef90_D9I695
UniRef90_E5EPV0
UniRef90_E5EYT9
UniRef90_I7KR83
UniRef90_D7RMG0
UniRef90_I6ZI72
UniRef90_D5JFL2
UniRef90_E3SEX2
UniRef90_A7XFA1
UniRef90_G0YKE2
UniRef90_E5DRT4
UniRef90_E5DRT4
UniRef90_A0A023W5R8
UniRef90_I6XHH9
UniRef90_E1A294
UniRef90_E5DQD1
UniRef90_C4MYW6
UniRef90_D5JFL3
UniRef90_E5FIK6
UniRef90_C4MZP8
UniRef90_E5DIH2
UniRef90_Q6WHG0
UniRef90_E1A1H4
UniRef90_E1A1H5
UniRef90_UPI00046C3B5E
UniRef90_K4I462
UniRef90_I7K324
UniRef90_W5ZSA9
UniRef90_Q56EL8
UniRef90_E5E4E8
UniRef90_D9I696
UniRef90_E5EYU0
UniRef90_A0A023W4Z8
UniRef90_E5EPV1
UniRef90_R9TG08
UniRef90_E3SLZ3
UniRef90_E3SQY0
UniRef90_E3SKD5
UniRef90_E3SNK9
UniRef90_E3SIB0
UniRef90_R9S7Y5
UniRef90_H8ZN77
UniRef90_H8ZMI6
UniRef90_R9TLC6
UniRef90_M4PLP0
UniRef90_Q58LL7
UniRef90_H6BI43
UniRef90_G8EXP9
UniRef90_Q0QZC6
UniRef90_M4T3M3
UniRef90_M4SIZ8
UniRef90_E3SQ54
UniRef90_M1T271
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


130
140
150
160
QUERY
UniRef90_K4I2A2
UniRef90_Q7Y4X8
UniRef90_E5E4E7
UniRef90_E5DIH1
UniRef90_D9I695
UniRef90_E5EPV0
UniRef90_E5EYT9
UniRef90_I7KR83
UniRef90_D7RMG0
UniRef90_I6ZI72
UniRef90_D5JFL2
UniRef90_E3SEX2
UniRef90_A7XFA1
UniRef90_G0YKE2
UniRef90_E5DRT4
UniRef90_E5DRT4
UniRef90_A0A023W5R8
UniRef90_I6XHH9
UniRef90_E1A294
UniRef90_E5DQD1
UniRef90_C4MYW6
UniRef90_D5JFL3
UniRef90_E5FIK6
UniRef90_C4MZP8
UniRef90_E5DIH2
UniRef90_Q6WHG0
UniRef90_E1A1H4
UniRef90_E1A1H5
UniRef90_UPI00046C3B5E
UniRef90_K4I462
UniRef90_I7K324
UniRef90_W5ZSA9
UniRef90_Q56EL8
UniRef90_E5E4E8
UniRef90_D9I696
UniRef90_E5EYU0
UniRef90_A0A023W4Z8
UniRef90_E5EPV1
UniRef90_R9TG08
UniRef90_E3SLZ3
UniRef90_E3SQY0
UniRef90_E3SKD5
UniRef90_E3SNK9
UniRef90_E3SIB0
UniRef90_R9S7Y5
UniRef90_H8ZN77
UniRef90_H8ZMI6
UniRef90_R9TLC6
UniRef90_M4PLP0
UniRef90_Q58LL7
UniRef90_H6BI43
UniRef90_G8EXP9
UniRef90_Q0QZC6
UniRef90_M4T3M3
UniRef90_M4SIZ8
UniRef90_E3SQ54
UniRef90_M1T271
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


170
180
190
200
QUERY
UniRef90_K4I2A2
UniRef90_Q7Y4X8
UniRef90_E5E4E7
UniRef90_E5DIH1
UniRef90_D9I695
UniRef90_E5EPV0
UniRef90_E5EYT9
UniRef90_I7KR83
UniRef90_D7RMG0
UniRef90_I6ZI72
UniRef90_D5JFL2
UniRef90_E3SEX2
UniRef90_A7XFA1
UniRef90_G0YKE2
UniRef90_E5DRT4
UniRef90_E5DRT4
UniRef90_A0A023W5R8
UniRef90_I6XHH9
UniRef90_E1A294
UniRef90_E5DQD1
UniRef90_C4MYW6
UniRef90_D5JFL3
UniRef90_E5FIK6
UniRef90_C4MZP8
UniRef90_E5DIH2
UniRef90_Q6WHG0
UniRef90_E1A1H4
UniRef90_E1A1H5
UniRef90_UPI00046C3B5E
UniRef90_K4I462
UniRef90_I7K324
UniRef90_W5ZSA9
UniRef90_Q56EL8
UniRef90_E5E4E8
UniRef90_D9I696
UniRef90_E5EYU0
UniRef90_A0A023W4Z8
UniRef90_E5EPV1
UniRef90_R9TG08
UniRef90_E3SLZ3
UniRef90_E3SQY0
UniRef90_E3SKD5
UniRef90_E3SNK9
UniRef90_E3SIB0
UniRef90_R9S7Y5
UniRef90_H8ZN77
UniRef90_H8ZMI6
UniRef90_R9TLC6
UniRef90_M4PLP0
UniRef90_Q58LL7
UniRef90_H6BI43
UniRef90_G8EXP9
UniRef90_Q0QZC6
UniRef90_M4T3M3
UniRef90_M4SIZ8
UniRef90_E3SQ54
UniRef90_M1T271
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


210
220
230
240
QUERY
UniRef90_K4I2A2
UniRef90_Q7Y4X8
UniRef90_E5E4E7
UniRef90_E5DIH1
UniRef90_D9I695
UniRef90_E5EPV0
UniRef90_E5EYT9
UniRef90_I7KR83
UniRef90_D7RMG0
UniRef90_I6ZI72
UniRef90_D5JFL2
UniRef90_E3SEX2
UniRef90_A7XFA1
UniRef90_G0YKE2
UniRef90_E5DRT4
UniRef90_E5DRT4
UniRef90_A0A023W5R8
UniRef90_I6XHH9
UniRef90_E1A294
UniRef90_E5DQD1
UniRef90_C4MYW6
UniRef90_D5JFL3
UniRef90_E5FIK6
UniRef90_C4MZP8
UniRef90_E5DIH2
UniRef90_Q6WHG0
UniRef90_E1A1H4
UniRef90_E1A1H5
UniRef90_UPI00046C3B5E
UniRef90_K4I462
UniRef90_I7K324
UniRef90_W5ZSA9
UniRef90_Q56EL8
UniRef90_E5E4E8
UniRef90_D9I696
UniRef90_E5EYU0
UniRef90_A0A023W4Z8
UniRef90_E5EPV1
UniRef90_R9TG08
UniRef90_E3SLZ3
UniRef90_E3SQY0
UniRef90_E3SKD5
UniRef90_E3SNK9
UniRef90_E3SIB0
UniRef90_R9S7Y5
UniRef90_H8ZN77
UniRef90_H8ZMI6
UniRef90_R9TLC6
UniRef90_M4PLP0
UniRef90_Q58LL7
UniRef90_H6BI43
UniRef90_G8EXP9
UniRef90_Q0QZC6
UniRef90_M4T3M3
UniRef90_M4SIZ8
UniRef90_E3SQ54
UniRef90_M1T271
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm

250
260
270
280
QUERY
UniRef90_K4I2A2
UniRef90_Q7Y4X8
UniRef90_E5E4E7
UniRef90_E5DIH1
UniRef90_D9I695
UniRef90_E5EPV0
UniRef90_E5EYT9
UniRef90_I7KR83
UniRef90_D7RMG0
UniRef90_I6ZI72
UniRef90_D5JFL2
UniRef90_E3SEX2
UniRef90_A7XFA1
UniRef90_G0YKE2
UniRef90_E5DRT4
UniRef90_E5DRT4
UniRef90_A0A023W5R8
UniRef90_I6XHH9
UniRef90_E1A294
UniRef90_E5DQD1
UniRef90_C4MYW6
UniRef90_D5JFL3
UniRef90_E5FIK6
UniRef90_C4MZP8
UniRef90_E5DIH2
UniRef90_Q6WHG0
UniRef90_E1A1H4
UniRef90_E1A1H5
UniRef90_UPI00046C3B5E
UniRef90_K4I462
UniRef90_I7K324
UniRef90_W5ZSA9
UniRef90_Q56EL8
UniRef90_E5E4E8
UniRef90_D9I696
UniRef90_E5EYU0
UniRef90_A0A023W4Z8
UniRef90_E5EPV1
UniRef90_R9TG08
UniRef90_E3SLZ3
UniRef90_E3SQY0
UniRef90_E3SKD5
UniRef90_E3SNK9
UniRef90_E3SIB0
UniRef90_R9S7Y5
UniRef90_H8ZN77
UniRef90_H8ZMI6
UniRef90_R9TLC6
UniRef90_M4PLP0
UniRef90_Q58LL7
UniRef90_H6BI43
UniRef90_G8EXP9
UniRef90_Q0QZC6
UniRef90_M4T3M3
UniRef90_M4SIZ8
UniRef90_E3SQ54
UniRef90_M1T271
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


QUERY T Q K I G V A Q
UniRef90_K4I2A2 T Q K I G A A Q
UniRef90_Q7Y4X8 T Q K I R V A Q
UniRef90_E5E4E7 T Q R V G A A
UniRef90_E5DIH1 T Q K I G
UniRef90_D9I695 T Q K I G A A
UniRef90_E5EPV0 T Q K I G S A
UniRef90_E5EYT9 T Q R I G A A
UniRef90_I7KR83 T Q R I G V A
UniRef90_D7RMG0 T Q T I G V
UniRef90_I6ZI72 T I N I R A
UniRef90_D5JFL2 T I K S G I A
UniRef90_E3SEX2 T Q T I G V A
UniRef90_A7XFA1 T I K I G V A
UniRef90_G0YKE2 T Q K I G S A
UniRef90_E5DRT4
UniRef90_E5DRT4
UniRef90_A0A023W5R8 T Q R V T T A
UniRef90_I6XHH9 A I
UniRef90_E1A294 S I
UniRef90_E5DQD1
UniRef90_C4MYW6
UniRef90_D5JFL3
UniRef90_E5FIK6
UniRef90_C4MZP8
UniRef90_E5DIH2
UniRef90_Q6WHG0 T I R L
UniRef90_E1A1H4
UniRef90_E1A1H5 T I N I G A
UniRef90_UPI00046C3B5E
UniRef90_K4I462
UniRef90_I7K324
UniRef90_W5ZSA9
UniRef90_Q56EL8
UniRef90_E5E4E8
UniRef90_D9I696
UniRef90_E5EYU0
UniRef90_A0A023W4Z8
UniRef90_E5EPV1
UniRef90_R9TG08
UniRef90_E3SLZ3
UniRef90_E3SQY0
UniRef90_E3SKD5
UniRef90_E3SNK9
UniRef90_E3SIB0
UniRef90_R9S7Y5
UniRef90_H8ZN77
UniRef90_H8ZMI6
UniRef90_R9TLC6
UniRef90_M4PLP0
UniRef90_Q58LL7
UniRef90_H6BI43
UniRef90_G8EXP9
UniRef90_Q0QZC6
UniRef90_M4T3M3
UniRef90_M4SIZ8
UniRef90_E3SQ54
UniRef90_M1T271
lupas_21
lupas_14
lupas_28
jnet
conf 2 3 1 1 2 1 7 9
sol25 B B B B
sol5
sol0
jhmm
jpssm