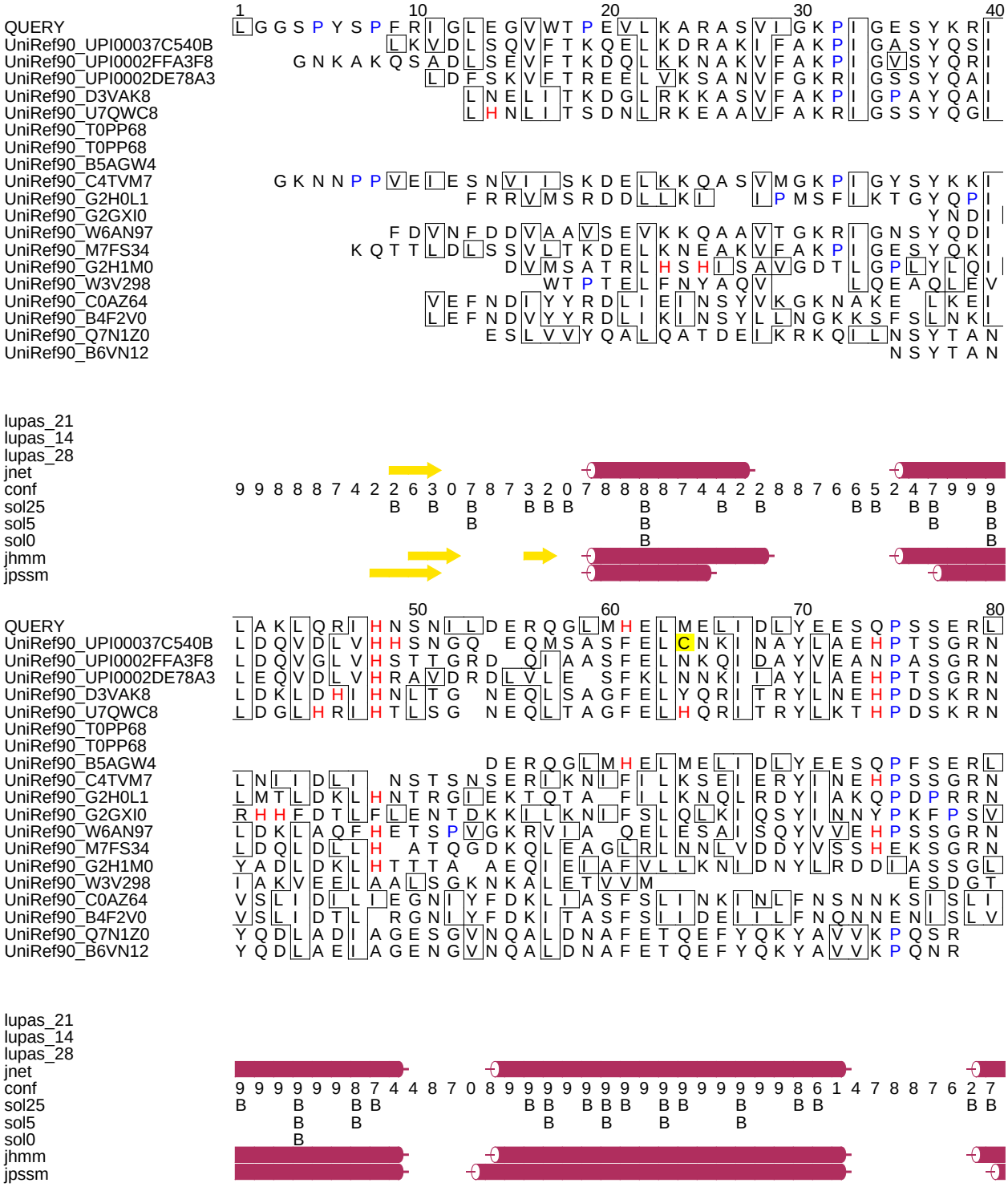
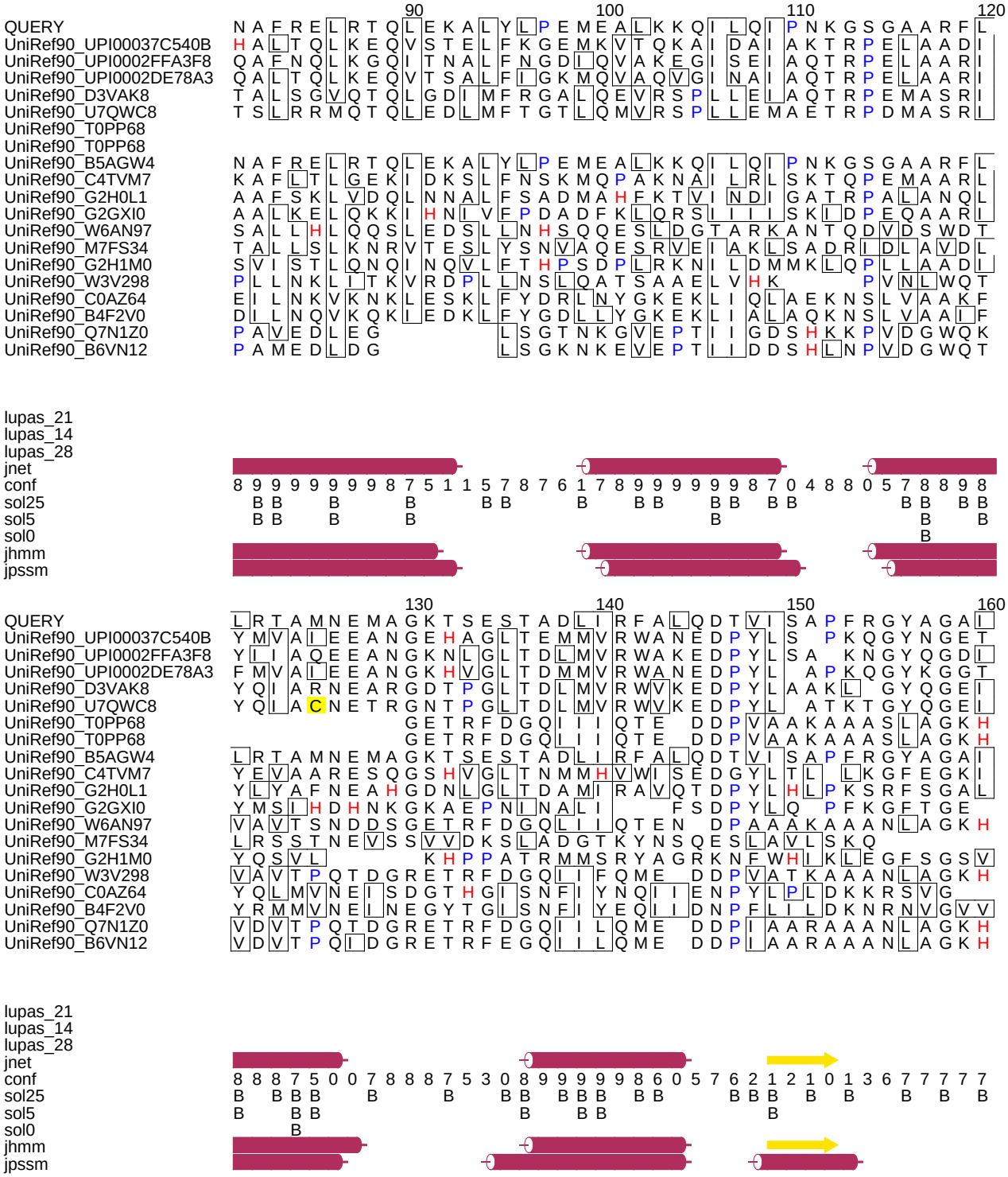
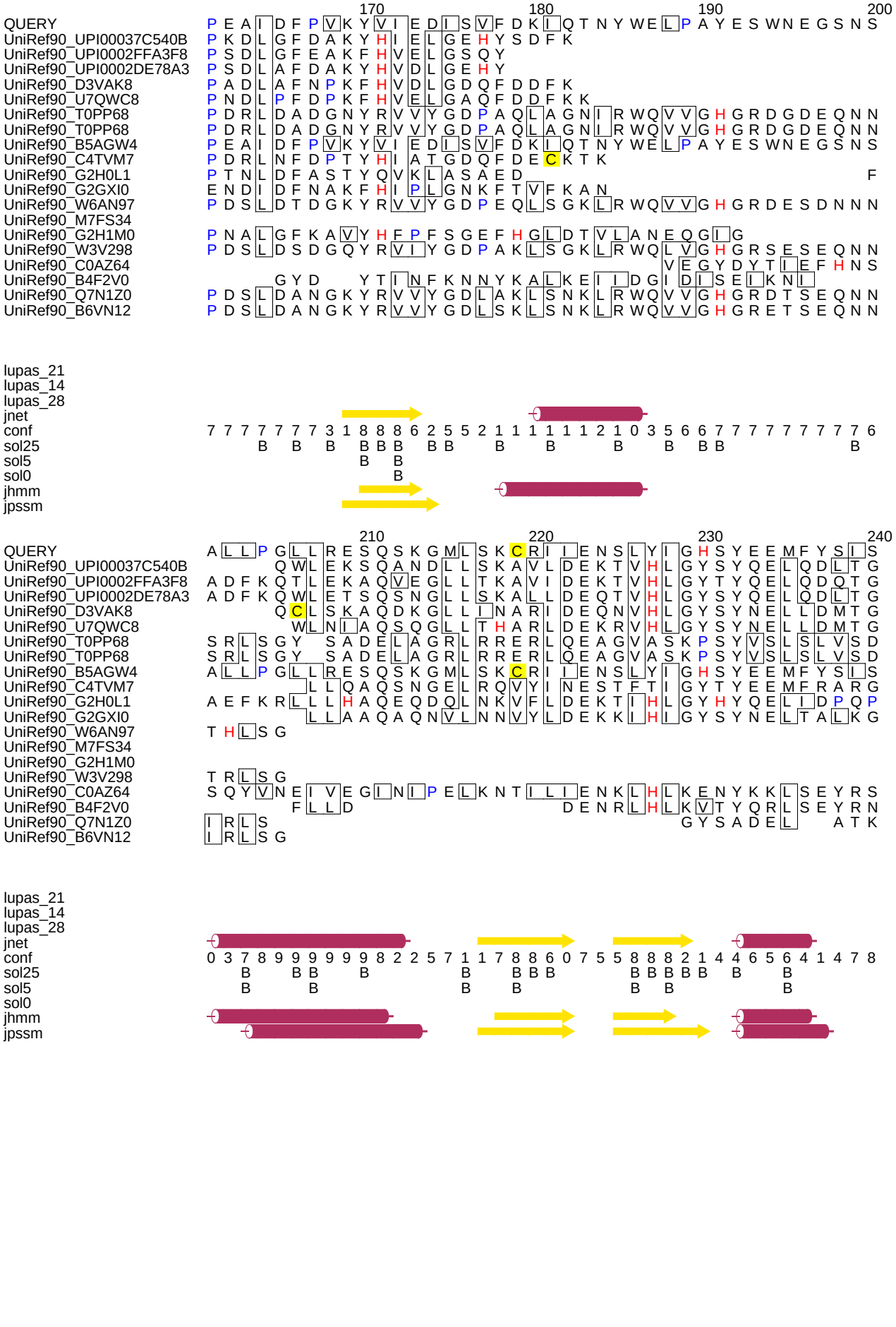
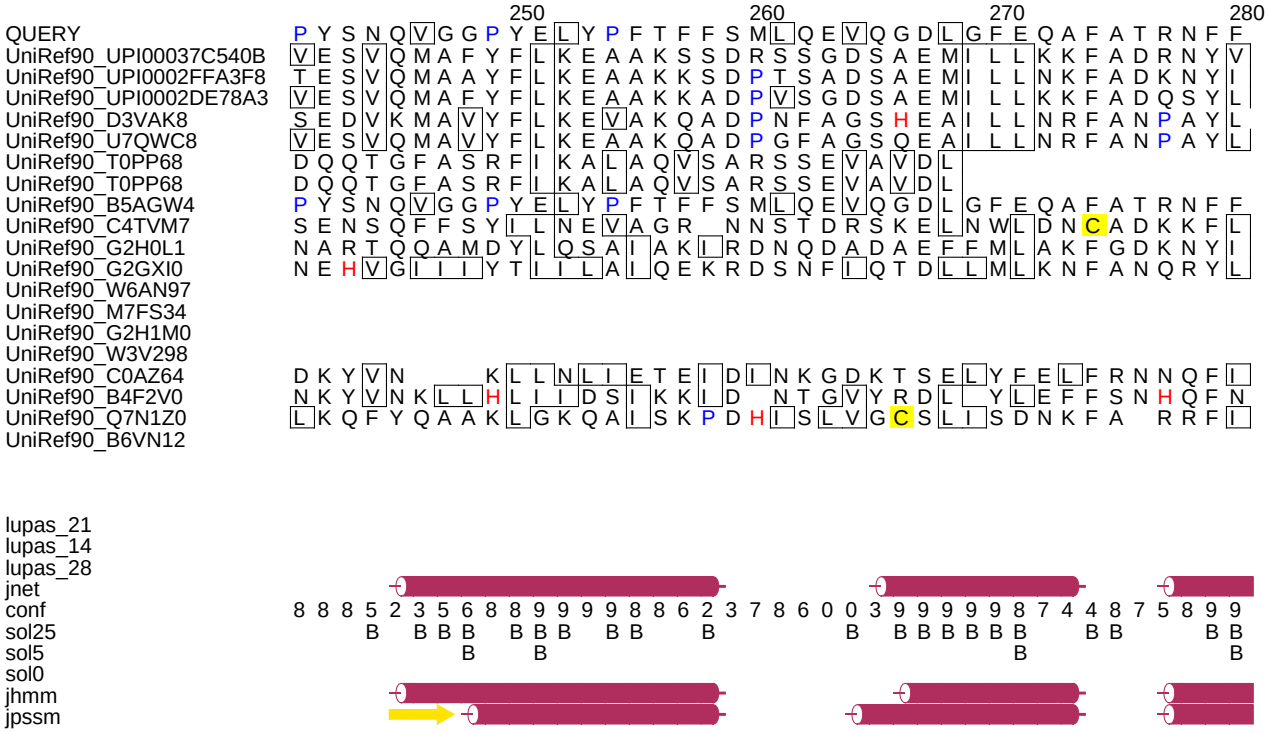
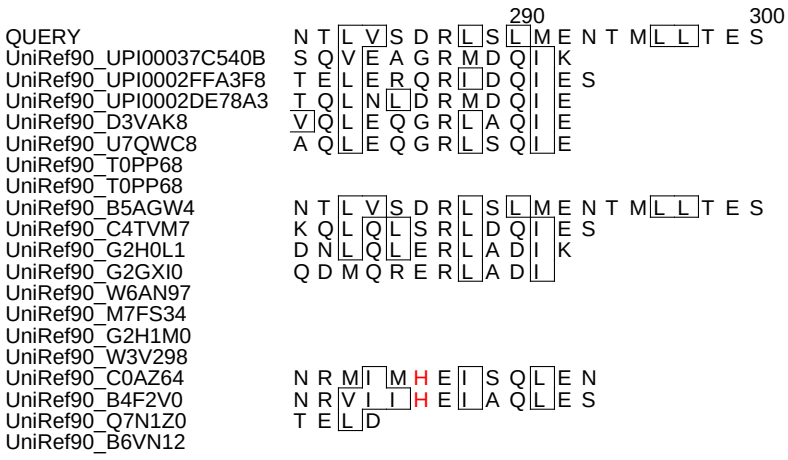

1 10 20 30 40
QUERY LGGSPYSPFRIGLEGVWTPEVLKARASVIGKPIGESYKRI
UniRef90_UPI00037C540B LKVDLSQVFTKQELKDRAKIFAKPIGASYQSI
UniRef90_UPI0002FFA3F8 GNKAKQSADLSEVFTKDQLKKNAKVFAKPIGVSYQRI
UniRef90_UPI0002DE78A3 LDFSKVFTREELVKSANVFGKRIGSSYQAI
UniRef90_D3VAK8 LNELITKDGLRKKASVFAKPIGPAYQAI
UniRef90_U7QWC8 LHNLITSDNLRKEAAVFAKRIGSSYQGI
UniRef90_T0PP68
UniRef90_T0PP68
UniRef90_B5AGW4
UniRef90_C4TVM7 GKNNPPVEIESNVIISKDELKKQASVMGKPIGYSYKKI
UniRef90_G2H0L1 FRRVMSRDDLLKI IPMSFIKTGYQPI
UniRef90_G2GXI0 YNDI
UniRef90_W6AN97 FDVNFDDVAAVSEVKKQAAVTGKRIGNSYQDI
UniRef90_M7FS34 KQTTLDLSSVLTKDELKNEAKVFAKPIGESYQKI
UniRef90_G2H1M0 DVMSATRLHSHISAVGDTLGPLYLQI
UniRef90_W3V298 WTPTELFNYAQV LQEAQLEV
UniRef90_C0AZ64 VEFNDIYYRDLIEINSYVKGKNAKE LKEI
UniRef90_B4F2V0 LEFNDVYYRDLIKINSYLLNGKKSFSLNKI
UniRef90_Q7N1Z0 ESLVVYQALQATDEIKRKQILNSYTAN
UniRef90_B6VN12 NSYTAN
lupas_21
lupas_14
lupas_28
jnet
conf 9988874226307887320788887422888765247999
sol25 B B B B B B B B B B B
sol5 B B B B
sol0 B B
jhmm
jpssm
50 60 70 80
QUERY LAKLQRIHNSNILDERQGLMHELMEL IDLYEESQPSSERL
UniRef90_UPI00037C540B LDQVDLVHHSNGQ EQMSAFELCNKINAYLAEHPTSGRN
UniRef90_UPI0002FFA3F8 LDQVGLVHSTTGRD QIAASFELNKQIDAYVEANPASGRN
UniRef90_UPI0002DE78A3 LEQVDLVHRAVDRDLVLE SFKLNNKII AYLAEHPTSGRN
UniRef90_D3VAK8 LDKLDHIHNLTG NEQLSAGFELYQRITRYLNEHPDSKRN
UniRef90_U7QWC8 LDGLHRIHTLSG NEQLTAGFELHQRITRYLKTHPDSKRN
UniRef90_T0PP68
UniRef90_T0PP68
UniRef90_B5AGW4 DERQGLMHELMEL IDLYEESQPFSERL
UniRef90_C4TVM7 LNII DLI NSTSNSERIKNIFIILKSEIERYINEHPSSGRN
UniRef90_G2H0L1 LMTLDKLHNTRGIEKTQTA FILKNQLRDYIAKQPDPRRN
UniRef90_G2GXI0 RHHFDTLFLENTDKKILKNIFSLQLKIQSYINNYPKFPSV
UniRef90_W6AN97 LDKLAQFHETSPVGKRVIA QELESAISQYVVEHPSSGRN
UniRef90_M7FS34 LDQLDLLH ATQGDKQLEAGLRLNNLVDDYVSSHEKSGRN
UniRef90_G2H1M0 YADLDKLHTTTA AEQIEIAFVLLKNIDNYLRDDIASSGL
UniRef90_W3V298 IAKVEELAALSGKNKALETVVM ESDGT
UniRef90_C0AZ64 VSLIDILIEGNIYFDKLIASFSLINKINLFNSNNKSISLI
UniRef90_B4F2V0 VSLIDTL RGNIYFDKITASFSIIDEIILFNQNNENISLV
UniRef90_Q7N1Z0 YQDLADIAGESGVNQALDNAFETQEFYQKYAVVKPQSR
UniRef90_B6VN12 YQDLAEIAGENGVNQALDNAFETQEFYQKYAVVKPQNR
lupas_21
lupas_14
lupas_28
jnet
conf 9999998744880708999999999999999999861478876277
sol25 B B B B B B B B B B B B B B
sol5 B B B B B B
sol0 B
jhmm
jpssm

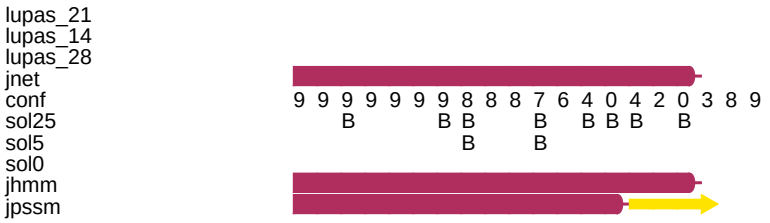

90
100
110
120
QUERY
UniRef90_UPI00037C540B
UniRef90_UPI0002FFA3F8
UniRef90_UPI0002DE78A3
UniRef90_D3VAK8
UniRef90_U7QWC8
UniRef90_T0PP68
UniRef90_T0PP68
UniRef90_B5AGW4
UniRef90_C4TVM7
UniRef90_G2H0L1
UniRef90_G2GXI0
UniRef90_W6AN97
UniRef90_M7FS34
UniRef90_G2H1M0
UniRef90_W3V298
UniRef90_C0AZ64
UniRef90_B4F2V0
UniRef90_Q7N1Z0
UniRef90_B6VN12
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm
130
140
150
160
QUERY
UniRef90_UPI00037C540B
UniRef90_UPI0002FFA3F8
UniRef90_UPI0002DE78A3
UniRef90_D3VAK8
UniRef90_U7QWC8
UniRef90_T0PP68
UniRef90_T0PP68
UniRef90_B5AGW4
UniRef90_C4TVM7
UniRef90_G2H0L1
UniRef90_G2GXI0
UniRef90_W6AN97
UniRef90_M7FS34
UniRef90_G2H1M0
UniRef90_W3V298
UniRef90_C0AZ64
UniRef90_B4F2V0
UniRef90_Q7N1Z0
UniRef90_B6VN12
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


170 180 190 200
QUERY P E A I D F P V K Y V I E D I S V F D K I Q T N Y W E L P A Y E S W N E G S N S
UniRef90_UPI00037C540B P K D L G F D A K Y H I E L G E H Y S D F K
UniRef90_UPI0002FFA3F8 P S D L G F E A K F H V E L G S Q Y
UniRef90_UPI0002DE78A3 P S D L A F D A K Y H V D L G E H Y
UniRef90_D3VAK8 P A D L A F N P K F H V D L G D Q F D D F K
UniRef90_U7QWC8 P N D L P F D P K F H V E L G A Q F D D F K K
UniRef90_T0PP68 P D R L D A D G N Y R V V Y G D P A Q L A G N I R W Q V V G H G R D G D E Q N N
UniRef90_T0PP68 P D R L D A D G N Y R V V Y G D P A Q L A G N I R W Q V V G H G R D G D E Q N N
UniRef90_B5AGW4 P E A I D F P V K Y V I E D I S V F D K I Q T N Y W E L P A Y E S W N E G S N S
UniRef90_C4TVM7 P D R L N F D P T Y H I A T G D Q F D E C K T K
UniRef90_G2H0L1 P T N L D F A S T Y Q V K L A S A E D F
UniRef90_G2GXI0 E N D I D F N A K F H I P L G N K F T V F K A N
UniRef90_W6AN97 P D S L D T D G K Y R V V Y G D P E Q L S G K L R W Q V V G H G R D E S D N N N
UniRef90_M7FS34
UniRef90_G2H1M0 P N A L G F K A V Y H F P F S G E F H G L D T V L A N E Q G I G
UniRef90_W3V298 P D S L D S D G Q Y R V I Y G D P A K L S G K L R W Q L V G H G R S E S E Q N N
UniRef90_C0AZ64 V E G Y D Y T I E F H N S
UniRef90_B4F2V0 G Y D Y T I N F K N N Y K A L K E I I D G I D I S E I K N I
UniRef90_Q7N1Z0 P D S L D A N G K Y R V V Y G D L A K L S N K L R W Q V V G H G R D T S E Q N N
UniRef90_B6VN12 P D S L D A N G K Y R V V Y G D L S K L S N K L R W Q V V G H G R E T S E Q N N
lupas_21
lupas_14
lupas_28
jnet
conf 7 7 7 7 7 7 7 3 1 8 8 8 6 2 5 5 2 1 1 1 1 1 2 1 0 3 5 6 6 7 7 7 7 7 7 7 7 6
sol25 B B B B B B B B B B B B B B B
sol5 B B B
sol0 B
jhmm
jpssm
210 220 230 240
QUERY A L L P G L L R E S Q S K G M L S K C R I I E N S L Y I G H S Y E E M F Y S I S
UniRef90_UPI00037C540B Q W L E K S Q A N D L L S K A V L D E K T V H L G Y S Y Q E L Q D L T G
UniRef90_UPI0002FFA3F8 A D F K Q T L E K A Q V E G L L T K A V I D E K T V H L G Y T Y Q E L Q D Q T G
UniRef90_UPI0002DE78A3 A D F K Q W L E T S Q S N G L L S K A L L D E Q T V H L G Y S Y Q E L Q D L T G
UniRef90_D3VAK8 Q C L S K A Q D K G L L I N A R I D E Q N V H L G Y S Y N E L L D M T G
UniRef90_U7QWC8 W L N I A Q S Q G L L T H A R L D E K R V H L G Y S Y N E L L D M T G
UniRef90_T0PP68 S R L S G Y S A D E L A G R L R R E R L Q E A G V A S K P S Y V S L S L V S D
UniRef90_T0PP68 S R L S G Y S A D E L A G R L R R E R L Q E A G V A S K P S Y V S L S L V S D
UniRef90_B5AGW4 A L L P G L L R E S Q S K G M L S K C R I I E N S L Y I G H S Y E E M F Y S I S
UniRef90_C4TVM7 L L Q A Q S N G E L R Q V Y I N E S T F T I G Y T Y E E M F R A R G
UniRef90_G2H0L1 A E F K R L L L H A Q E Q D Q L N K V F L D E K T I H L G Y H Y Q E L I D P Q P
UniRef90_G2GXI0 L L A A Q A Q N V L N N V Y L D E K K I H I G Y S Y N E L T A L K G
UniRef90_W6AN97 T H L S G
UniRef90_M7FS34
UniRef90_G2H1M0
UniRef90_W3V298 T R L S G
UniRef90_C0AZ64 S Q Y V N E I V E G I N I P E L K N T I L I E N K L H L K E N Y K K L S E Y R S
UniRef90_B4F2V0 F L L D D E N R L H L K V T Y Q R L S E Y R N
UniRef90_Q7N1Z0 I R L S G Y S A D E L A T K
UniRef90_B6VN12 I R L S G
lupas_21
lupas_14
lupas_28
jnet
conf 0 3 7 8 9 9 9 9 9 8 2 2 5 7 1 1 7 8 8 6 0 7 5 5 8 8 8 2 1 4 4 6 5 6 4 1 4 7 8
sol25 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
sol0
jhmm
jpssm


250
260
270
280
QUERY P Y S N Q V G G P Y E L Y P F T F F S M L Q E V Q G D L G F E Q A F A T R N F F
UniRef90_UPI00037C540B V E S V Q M A F Y F L K E A A K S S D R S S G D S A E M I L L K K F A D R N Y V
UniRef90_UPI0002FFA3F8 T E S V Q M A A Y F L K E A A K K S D P T S A D S A E M I L L N K F A D K N Y I
UniRef90_UPI0002DE78A3 V E S V Q M A F Y F L K E A A K K A D P V S G D S A E M I L L K K F A D Q S Y L
UniRef90_D3VAK8 S E D V K M A V Y F L K E V A K Q A D P N F A G S H E A I L L N R F A N P A Y L
UniRef90_U7QWC8 V E S V Q M A V Y F L K E A A K Q A D P G F A G S Q E A I L L N R F A N P A Y L
UniRef90_T0PP68 D Q Q T G F A S R F I K A L A Q V S A R S S E V A V D L
UniRef90_T0PP68 D Q Q T G F A S R F I K A L A Q V S A R S S E V A V D L
UniRef90_B5AGW4 P Y S N Q V G G P Y E L Y P F T F F S M L Q E V Q G D L G F E Q A F A T R N F F
UniRef90_C4TVM7 S E N S Q F F S Y I L N E V A G R N N S T D R S K E L N W L D N C A D K K F L
UniRef90_G2H0L1 N A R T Q Q A M D Y L Q S A I A K I R D N Q D A D A E F F M L A K F G D K N Y I
UniRef90_G2GXI0 N E H V G I I I Y T I I L A I Q E K R D S N F I Q T D L L M L K N F A N Q R Y L
UniRef90_W6AN97
UniRef90_M7FS34
UniRef90_G2H1M0
UniRef90_W3V298
UniRef90_C0AZ64 D K Y V N K L L N L I E T E I D I N K G D K T S E L Y F E L F R N N Q F I
UniRef90_B4F2V0 N K Y V N K L L H L I I D S I K K I D N T G V Y R D L Y L E F F S N H Q F N
UniRef90_Q7N1Z0 L K Q F Y Q A A K L G K Q A I S K P D H I S L V G C S L I S D N K F A R R F I
UniRef90_B6VN12

lupas_21
lupas_14
lupas_28
jnet
conf 8 8 8 5 2 3 5 6 8 8 9 9 9 8 8 6 2 3 7 8 6 0 0 3 9 9 9 9 9 8 7 4 4 8 7 5 8 9 9
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
sol5 B B B B B B
sol0
jhmm
jpssm


290
300
QUERY N T L V S D R L S L M E N T M L L T E S
UniRef90_UPI00037C540B S Q V E A G R M D Q I K
UniRef90_UPI0002FFA3F8 T E L E R Q R I D Q I E S
UniRef90_UPI0002DE78A3 T Q L N L D R M D Q I E
UniRef90_D3VAK8 V Q L E Q G R L A Q I E
UniRef90_U7QWC8 A Q L E Q G R L S Q I E
UniRef90_T0PP68
UniRef90_T0PP68
UniRef90_B5AGW4 N T L V S D R L S L M E N T M L L T E S
UniRef90_C4TVM7 K Q L Q L S R L D Q I E S
UniRef90_G2H0L1 D N L Q L E R L A D I K
UniRef90_G2GXI0 Q D M Q R E R L A D I
UniRef90_W6AN97
UniRef90_M7FS34
UniRef90_G2H1M0
UniRef90_W3V298
UniRef90_C0AZ64 N R M I M H E I S Q L E N
UniRef90_B4F2V0 N R V I I H E I A Q L E S
UniRef90_Q7N1Z0 T E L D
UniRef90_B6VN12


lupas_21
lupas_14
lupas_28
jnet
conf 9 9 9 9 9 9 8 8 8 7 6 4 0 4 2 0 3 8 9
sol25 B B B B B B B B
sol5 B B
sol0
jhmm
jpssm