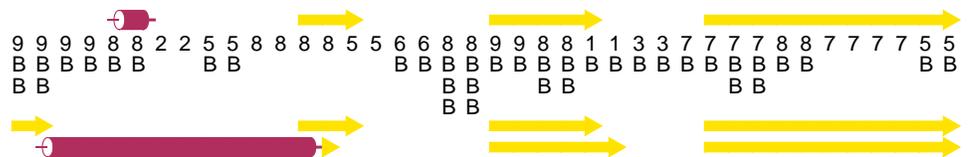


QUERY
 UniRef90_J1J188
 UniRef90_J0RA81
 UniRef90_J0YQV2
 UniRef90_B3QCN5
 UniRef90_C6AD76
 UniRef90_K0MCE9
 UniRef90_J0Q389
 UniRef90_R5GH40
 UniRef90_J1JLZ9
 UniRef90_H7BV78
 UniRef90_J1KKI3
 UniRef90_D6E598
 UniRef90_B0NAR6
 UniRef90_F9AA77
 UniRef90_H7BUU8
 UniRef90_UPI000374D49B
 UniRef90_UPI0003B43D5B
 UniRef90_A9ITY7
 UniRef90_B9TE92
 UniRef90_J2VZS6
 UniRef90_UPI0003B2FD1B
 UniRef90_UPI000306047C
 UniRef90_J0QXZ4
 UniRef90_I6R1H9
 UniRef90_UPI00037B5BFD
 UniRef90_F4YCR9
 UniRef90_G8CLA7
 UniRef90_B8GRZ6
 UniRef90_UPI00037B56EF
 UniRef90_A4JMM5
 UniRef90_UPI00036654FA
 UniRef90_UPI000382B593
 UniRef90_M1HLS3
 UniRef90_B8EKU1

I T V D T D K N T V V V V H D G A T A G G
 50 60 70 80
 P P T T T T D D N N D D G G N N A A L L L L V V G G A A N N S S T T A A G G A A
 R R L L L L V V D D D D V V T T K K T T D D A A
 V V T T V V N N T T D D K K K K A A L L H H V V H H D D G G S S T T A A G G G G
 Y Y W W L L K K G G V V G G T T A A A A F F L L N N V V G G T T T T P P N N D D
 I I V V V V D D T T T T N N N N R R A A V V V V G G D D G G S S R R A A G G G G
 A A T T P P G G G G S S D D T T Q Q V V Q Q F F N N D D G G G G S S F F G G G G
 V V T T H H N N T T D D D D G G T T L L H H V V H H D D G G S S T T P P G G G G
 I I T T V V D D T T T T N N N N R R I I Q Q V V H H D D G G V V T T A A G G G G
 V V S S V V D D T T D D K K D D T T L L R R V V H H D D G G S S T T A A G G G G
 L L L L V V D D T T T T S S W W R R V V Q Q V V H H D D G G A A T T P P G G G G

lupas_21
 lupas_14
 lupas_28
 jnet
 conf
 sol25
 sol5
 sol0
 jhmm
 jpssm



QUERY
 UniRef90_J1J188
 UniRef90_J0RA81
 UniRef90_J0YQV2
 UniRef90_B3QCN5
 UniRef90_C6AD76
 UniRef90_K0MCE9
 UniRef90_J0Q389
 UniRef90_R5GH40
 UniRef90_J1JLZ9
 UniRef90_H7BV78
 UniRef90_J1KKI3
 UniRef90_D6E598
 UniRef90_B0NAR6
 UniRef90_F9AA77
 UniRef90_H7BUU8
 UniRef90_UPI000374D49B
 UniRef90_UPI0003B43D5B
 UniRef90_A9ITY7
 UniRef90_B9TE92
 UniRef90_J2VZS6
 UniRef90_UPI0003B2FD1B
 UniRef90_UPI000306047C
 UniRef90_J0QXZ4
 UniRef90_I6R1H9
 UniRef90_UPI00037B5BFD
 UniRef90_F4YCR9
 UniRef90_G8CLA7
 UniRef90_B8GRZ6
 UniRef90_UPI00037B56EF
 UniRef90_A4JMM5
 UniRef90_UPI00036654FA
 UniRef90_UPI000382B593
 UniRef90_M1HLS3
 UniRef90_B8EKU1

A P G S N A A Q A G G N T T A Q I N E
 L L C C A A D D V V G G T T I I S S G G H H P P L L S S A A G G D D I I L L P P
 L L C C A A D D V V G G T T I I S S G G H H P P L L S S A A G G D D I I L L P P
 L L C C A A D D V V G G T T I I A A D D H H P P L L S S A A G G D D I I L L P P
 A A P P G G G G N N A A A A A R R R A A G G G D D A A T T P P A A I I N N A A
 L L C C A A D D V V G G T T I I S S G G H H P P L L S S A A G G D D I I L L P P
 A A P P G G G G N N A A A A A V V A A G G G D D T T T T P P A A I I N N A A
 L L C C A A D D V V G G T T I I A A D D H H P P L L S S A A G G D D I I L L P P
 G G R R C C R R K K V V D D S S N N L L Q Q P P L L N N G G S S S S V V I I F F
 L L C C A A D D V V G G S S I I K K D D H H P P L L S S A A G G D D I I L L P P
 G G R R V V R R N N T T D D D D Y Y G G R R A A V V N N A A S S G G S S V V R R
 L L C C A A D D V V G G V V I I G G G G H H P P L L S S T T G G E E I I L L P P
 G G F F V V R R N N V V D D E E Y Y G G R R E E V V N N T T S S G G S S V V R R
 G G I I V V R R N N V V N N S S K K G G N N P P I I S S S S A A G G T T E E N N
 G G
 G G V V V V R R K K T T N N S S S S G G I I P P I I S S A A S S G G A A A A L L
 L L C C A A D D V V G G T T I I A A D D H H P P L L S S A A G G D D I I L L P P
 G G D D N N R R
 L L C C A A D D V V G G E E I I E E D D H H P P L L S S A A G G D D I I L L P P
 A A P P G G G G N N A A E E A A R R K K G G G G D D T T V V P P A A I I N N P P
 G G R R V V R R P P L L S S D D R R Y Y S S A A G G A A T T V V Q Q I I V V P P
 L L C C A A D D V V G G T T I I K K D D H H P P L L S S A A G G D D I I L L P P
 Y Y H H T T T T G G G G I I N N P P
 I I P P S S G G R R P P T T A A F F D D N N G G S S P P T T G G E E I I L L E E
 I I P P S S G G R R P P T T A A S S G G S S P P T T A A T T A A E E I I L L E E
 G G R R W W R R P P L L S S E E R R Y Y N N A A D D P P S S V V I I V V M M P P
 G G R R H H R R P P L L A A E E R R Y Y S S T T T T F F N N P P P P I I V V P P
 G G R R V V R R P P F F S S E E A A Y Y N N A A S S F F T T C C E E I I I I P P

lupas_21
 lupas_14
 lupas_28
 jnet
 conf
 sol25
 sol5
 sol0
 jhmm
 jpssm

E E E E
 8 8 5 5 3 3 6 6 7 7 7 7 7 7 6 6 6 6 7 7 7 7 7 7 7 7 6 6 5 5 1 1 1 1 3 3
 B
 B
 E E E E H H H H H H
 E E E E

QUERY	Y	S	L	W	D	I	330
UniRef90_J1J188	Q	Q	S	S	V	V	WW
UniRef90_J0RA81	N	N	S	S	V	V	WW
UniRef90_J0YQV2	N	N	S	S	V	V	WW
UniRef90_B3QCN5	Y	Y	S	S	L	L	WWD D [L L]
UniRef90_C6AD76	H	H	S	S	V	V	WW
UniRef90_K0MCE9	Y	Y	S	S	F	F	WWD D [L L]
UniRef90_J0Q389	N	N	S	S	V	V	WW
UniRef90_R5GH40	G	G	T	T	G	G	WWE E
UniRef90_J1JLZ9	D	D	S	S	V	V	WW
UniRef90_H7BV78	G	G	S	S	G	G	WWE E
UniRef90_J1KKI3	N	N	S	S	V	V	WW
UniRef90_D6E598	G	G	S	S	G	G	WWE E
UniRef90_B0NAR6	G	G	S	S	G	G	WWE E
UniRef90_F9AA77							
UniRef90_H7BUU8	G	G	S	S	G	G	WWE E
UniRef90_UPI000374D49B	N	N	S	S	V	V	WW
UniRef90_UPI0003B43D5B	R	R	S	S	F	F	WWD D [L L]
UniRef90_A9ITY7	D	D	S	S	V	V	WW
UniRef90_B9TE92							
UniRef90_J2VZS6	Y	Y	S	S	L	L	WWD D
UniRef90_UPI0003B2FD1B	N	N	S	S	V	V	WWD D [L L]
UniRef90_UPI000306047C	D	D	S	S	V	V	WW
UniRef90_J0QXZ4							
UniRef90_I6R1H9	N	N	S	S	L	L	WWD D [I I]
UniRef90_UPI00037B5BFD							
UniRef90_F4YCR9	F	F	S	S	L	L	WWD D [L L]
UniRef90_G8CLA7	Y	Y	S	S	I	I	WWD D [L L]
UniRef90_B8GRZ6	T	T	S	S	V	V	WWD D [L L]
UniRef90_UPI00037B56EF	N	N	S	S	V	V	WWD D
UniRef90_A4JMM5							
UniRef90_UPI00036654FA							
UniRef90_UPI000382B593	N	N	A	A	V	V	WWD D
UniRef90_M1HLS3							
UniRef90_B8EKU1							

lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm

6 6 7 7 7 7 7 8 8 8 8
B B B B B