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210 220 230 240

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D L V I L P I G S I E R H G N H L P L L
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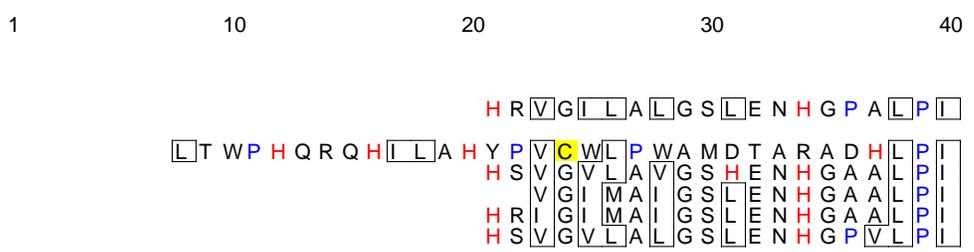
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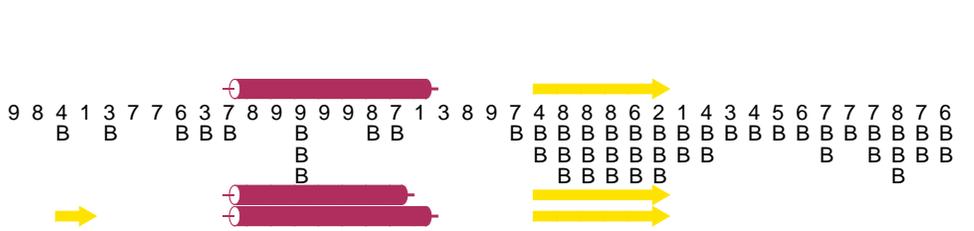
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 A L Q R Y P A G H V A D L G V L G E P I N A T A T S G E T A I
 I Y M D M K E F I K S D G R C W R E Y G E E G Y L G S P A K G S K E K G K V K F
 L P D L E V S L S A G I K A G V K R F S D L G Y T G A P R E A S E D E G R A L L
 A P L R P E S S G V I G D P R D A S A S L G N S A L
 D F A P T Q G R E F F D Y T G I A G V S P T G I W G A P S K A S A E E G E K L L
 A N T G E A D E D P F G P Q R H A G H S L H G I F G D P R A F R P E E A P A L R
 V A T D A L G R F A Q N P D A E A T V E E G R A I L
 A R D G G L S H G A R T F Y D S I D N T D N G V L G D Q T D A S A E V G A E L F
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 UniRef90_D4THM3
 UniRef90_A8IDB9
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lupas_21
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 conf
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 jhmm
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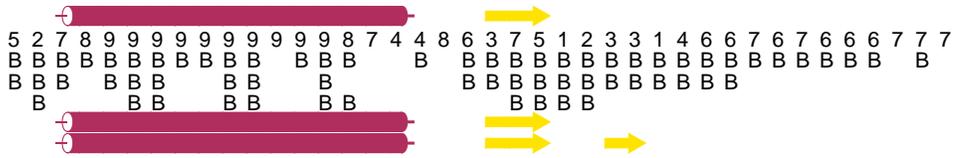


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50 60 70 80

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 G S A G [L] I [] A T A [V] V E R A A Q R [V] G G I [V] Y P T [L] W Y A A T E Y D Y [V] K H G D
 D T D S K V A A Y L A L H A S L K T G A T F I G I L Y A A T E Y D Y [V] K H G D
 D T D S K I A S H L A L Q A S I R T G A K F L G I L Y A A T E Y D Y [V] K H G []
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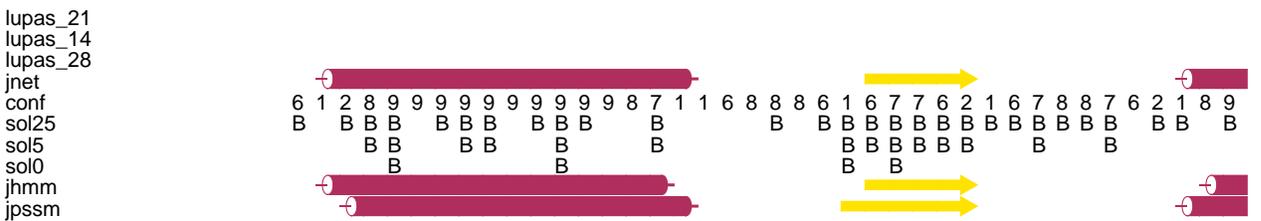
lupas_21
 lupas_14
 lupas_28
 jnet
 conf
 sol25
 sol5
 sol0
 jhmm
 jpssm




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UniRef90_W0EKU5     P K N N E A I K E G I K R A S V K K D G L K V K V S A W F H H G L P R M S S V
UniRef90_D9PWM7     N Q      L E D C V E D L M D E L D M E I I W N N R I V
UniRef90_UPI000200030A N D E I M R L A V K      R F A L R A E V T A A A C S Y W S L G E A A A D
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UniRef90_F6D4Q8     N V P I K G Y I K D L E G D L N L K I I F N N S I V E I E G P H A G T G E L S
UniRef90_K6UAN4     N V P I K D Y L D D I E G E L G L E I I F N N K I V E I E G P H A G T G E L S
UniRef90_K2QDY9     N      V P I K D Y L N G I E E E T G
UniRef90_E3GWT5     N L P L K K H I N V I E R E T G M K I V M N N K I V

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UniRef90_X7XPS0     A R T A A G V T S S N H D D M H A G E L E T S I L L A A H P D Y L R D G W A S S
UniRef90_W0EKU5     C K G E H P E W           D F H A G E W E T G L I L L R H P E L V D Q E E L I K
UniRef90_D9PWM7           E I E G P H A G S G E V S A G I L L           G I A D L T R L G E
UniRef90_UPI000200030A A           E H A A L V P G H A G W Y E T S L M L A A H P G L V R T P V P A R
UniRef90_A9WK41           E L V D G T M H D R G A L W E T S L M L A L R P D L V D L T R V V G
UniRef90_F6D4Q8     M G A V L G F L D E S K L D E H C N F Q           K Y P E M V G L N E A R E
UniRef90_K6UAN4     M G V V L G M A D E S S L N E H C Q F D E           Y P E V G M V G L L E A
UniRef90_K2QDY9     L K L I F N N K I V E I E G P H A G T G E L S M G V I I           G M A D E S R L S E
UniRef90_E3GWT5           E I E G P H A G S G E T S L G Y V I           G I A D V E R M N E

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lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm

```

Sequence logos for various tools. The x-axis represents amino acid positions from 1 to 200. The y-axis represents the conservation score for each tool. The tools shown are lupas_21, lupas_14, lupas_28, jnet, conf, sol25, sol5, sol0, jhmm, and jpssm. The bars represent the conservation of amino acids at each position, with the height of the bar indicating the conservation score. The tools show high conservation for certain amino acids, particularly in the regions around positions 170-180 and 190-200.

UniRef90_X0T705
 UniRef90_X7XPS0
 UniRef90_W0EKU5
 UniRef90_D9PWM7
 UniRef90_UPI000200030A
 UniRef90_A9WK41
 UniRef90_F6D4Q8
 UniRef90_K6UAN4
 UniRef90_K2QDY9
 UniRef90_E3GWT5

250

E S G L D G L A K F L V E
 D H L G R N V A T L I
 D L F S D L V V E E V L E
 D D A L E S V L S D V R E

 D E A V E D I V G N I K Q
 E T A V C D I I R D I E
 E N A I C D I I N D I K
 N L A L N D I I N D I K H

lupas_21
 lupas_14
 lupas_28
 jnet
 conf
 sol25
 sol5
 sol0
 jhmm
 jpssm


 9 9 9 9 9 9 9 9 9 7 4 3 8 9 9
 B B B B B B B
 B B B B B
 B B

