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90 100 110 120

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D C D L V N V H A A G G S E M M S A A L E G L E S G T A P G Q K R P C C I E Q Q
G V W M L N V H S L G G P K M I A A R E A I E Q S G H P T L I A V T I L T S
N V F M F N I H C S N G S R T M K E V A E L V K E S G S E S I G V T V L T N L G
Y G D G I T V H G F V G E D S V K A V R D V A K P L N K K T I L V T E M S H P G
G V D L L T L H A T A G K T A M K A A Q M A A E D G A K E A G Y P V P K L I A I
A I D M T T V Q A A G G V E M L E A A R R G L G D G P L L I A V T Q Q K Q M Q E
G V D L T C H A A G G V K M M A A M R G L E E E G T P M G K E R P K Q E M H D
N I F M F N V H T S G G K M M E R T V E I L K L N K D N L I N D V K N M F S
G F S A I I A Q G F T G S D S V E A C V I E T A H D Y G G S C Y V V S E M S H P G
E V D M T N V H A A G G V E M M K A A R R G L G N K A K L I A V T Q L T S T T E
G V D M V N V H A Q G G S K M M Q A A V E A V H P N S K G T V L A V T Q L T S L S E
D V D I N L H A A G T K A M M S A A L E G L T R P D G T R P T S T D Q E R M D
G V W M Y N I H A L G G F E F M K S V A E F N K E Y A Q K G V I E T I L T S M G
G V W M V N V H A S G G R R M M E A A R E R L D R H G L E T H L I M T G E D L A
G V E L T N V H A A G G K T M M Q A A L A G L R E T S A D T R L I A V T Q L T S
D V D L L T L H A T A G K Q A L E A A A D A K K S L N A S T K V T L L T S L N A
G A D Y V I V H G F T G R D S V N A V K E L G E V I I V V E M S H P G
G V D M T N V H A S G G I L M M K A G L I E G L S G G E H L P I L I D Q R M M E E
E V D L L T L H I S A G K R A L E A I A L G L D N P H G I T L L T S L N A R D L A
G V D I V N V H C A G G I A M M K A A I D G L N E G A K D G K R P M C I G M M N
G V D L V N V H A A G G K K M M Q A A L E G L E E G T P Q L T S T S E Q I M K D
G V D M T N V H A A G G V E M M E A A R E G L G S Q A K L I A V T Q E A Q M Q E
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G V W M V N V H A S G G R K M M E Q A R H E L D Q V K D Q R I A V T V L T S M Q
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QUERY UniRef90_F5WQR4 UniRef90_W9DYZ6 UniRef90_I3BNK2 UniRef90_Q8PV88 UniRef90_D1N1N3 UniRef90_V5FCL5 UniRef90_Q1H2F2 UniRef90_UPI0003B5CA90 UniRef90_UPI00046A6F83 UniRef90_Q9UZ35 UniRef90_UPI00039418CD UniRef90_B5JRK4 UniRef90_T0JQ99 UniRef90_UPI00038054CD UniRef90_L1NED1 UniRef90_UPI0003B3C076 UniRef90_M4YUS1 UniRef90_I1XNS3 UniRef90_C6WWX6 UniRef90_D7E895 UniRef90_C9LS44 UniRef90_F6D631 UniRef90_UPI0003754DB8 UniRef90_E6WDS6 UniRef90_A4BM58 UniRef90_UPI000362BF09 UniRef90_K9V829 UniRef90_K8E403 UniRef90_D3S2M6 UniRef90_D5BV89 UniRef90_D1YYP3 UniRef90_UPI0003B5F065 UniRef90_Q7VLR5 UniRef90_UPI000381BF01 UniRef90_R6J6C1 UniRef90_C3K758 UniRef90_UPI000365CA6F UniRef90_UPI00036962F6 UniRef90_S4D7F0 UniRef90_E0UGV6 UniRef90_S6HRM8 UniRef90_M8D7X3 UniRef90_M4UNF5 UniRef90_M0Q560 UniRef90_G7FW12 UniRef90_W3AN15 UniRef90_R9MAE0 UniRef90_X2H6X1 UniRef90_F7YLE1 UniRef90_UPI00034BA558 UniRef90_A1SYZ6 UniRef90_UPI0003B39B12 UniRef90_A1TZF4 UniRef90_D0BJ13 UniRef90_A8H4B0 UniRef90_W4BNG9 UniRef90_K9SE10 UniRef90_F8JEU5 UniRef90_W4RSS4 UniRef90_F6DCJ6 UniRef90_U2SKU9 UniRef90_D5VSE5 UniRef90_UPI0003F6EDF3 UniRef90_G5K2N8 UniRef90_S1N7T2 UniRef90_D5U5J7 UniRef90_E1RE38 UniRef90_UPI000378CBFD UniRef90_H3NG80 UniRef90_R5B8H8 UniRef90_F0S0V7 UniRef90_UPI000288F44D UniRef90_UPI00047D687C UniRef90_K9YFP6 UniRef90_UPI00029A47CB UniRef90_C2KYS3 UniRef90_L8LT68 UniRef90_B7CDN8 UniRef90_P25971 UniRef90_Q04LJ3 UniRef90_R7PPU9 UniRef90_UPI0003811977 UniRef90_F5L6E3 UniRef90_E7G7K3 UniRef90_M1ZJ24 UniRef90_UPI00047C19FC UniRef90_UPI00047C501F UniRef90_Q9LCT0 UniRef90_E7MPZ7 UniRef90_S6GEE4 UniRef90_C8WW65

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A L D F M Q Q E V G E Q V I A K M A A D A K A N S G V L D G V V A P A T S R P A Q E R V A E I R K K L
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I N L T P A E Y A E H L A L L T K Q C G L D G V V C S A H E A K A L K E T L
G I G L N V E P A E Q V L R L A L L T K N S G L D G V V C S A Q E A A N F L K E T E
V N A P I E Q H V L H L A R L L S Q Q A G L D G V V C S A Q E A P A L L R R A Q
I S I E P Q D Q V K R L A K L T A D D C G L N G V V C S A Q E S A L L R R A Q M
S E D M N E D P Q D V V L Q R L A L L A R D C G L D G V V A S A L E A P L M R K M
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G L G H T G T V A D A V L R R A A L A Q E A G L D G V V A S P A E T A E I R R R V
G I G L D I T P Q Q D V L R L A G L A E Q A G L D G L V C S A Q E A S L R K E Q
G Q E F T A P N A E R L A H V G V E C G V K G F I A P A T S R P Q E R I A A J R R N
I N A S P M E Q V A I R L A H L T Q R A G L D G V V C S A Q E A E L L R T K
I Q T D I A T H V L N L A T L T Q Q A G L D G V V C S A L E A E L L R T K
A T E F F Q Q V S E K L A K M S L D T G V S G V V A P A T S R T P N S V E T I R K L
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A S R F L K G V S E D I A A M G V E M G L K N Y V A P A T K L D R L E K I R N I
Y D G Q A A Q E M V N R L A S L S K R D C G M D G V V C S A Q E A P M L R R D
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A R E F M G Q F A R K I A E I A K E A G L D G V V A P A T K P Q E R V R E L R E V
L S G T A E E N V L R L A R L T Q E A G L D G V V A P A T C S P Q E A S L R Q A
A L D F L Q P H A F E L V D L A F R A G A S G L I A P A T S R P E R L V D I R C R
T E L G L P D D A A T Q V M R L A T L A Q S S G M D G V V C S A Q E A G L R R T
S M E D L D S P M E Q V I R L S H L A K R A S G L D G V V C S P Q E V E L R T H
I A G K V E D T V V H Y A Q M A R E S G L D G V V S S P L E G P A I R K Q I
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G I G L D I E P A E Q V L R L A A L A Q K A G L D G L V C S A L E A Q A L R S A T
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I E V P L D E S V I H Y A S C A K E A G L D G V V S S A W E V A A I K E K
I N K I P L E L P E Y A L Q M A L L A Q E S G I D G A V C S P L E V S Q L R Q V
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I D R T M K D T V L H Y A S L A H D S G L D G V V C S A Q E V P L L R A R
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Q S D L Q E S P A E Q V K R L A K L A K L S G L D G V V C S A H E A Q E L K T L
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I A S S A E A H V S R L A T L T K N S G L D G V V C S A Q E A P R L K A E N
I P L T L E K S V I H Y A K L A K Q A G L D G V V S S V W E A G K I T E N
S M S D D E P A S E H V L R L A A L T K Q A G L D G V V C S A Q E S A L L K A K
I P G S V E A A V V R Y A G L A Q E A G L D G V V A S P L E V P A I R A A
D L K V P L E P E Y V L N M A L L A Q E S G I D G A V C S P Q E V Q Q I R S M
Q S D L E E Q P A E Y V L G R A R M S E L A G F D G V I A S G Q E A A A I R A E
I E V G L Q E S V A S N Y K R L A Q G S G L D G V V C S P H E A S F I H C Q S
F E D L Q G S I A S N V K R L A Q L A K G A G A H G V V C S A L E A E M L R Q S
E E D L Q E M L E E V V L N L A N L A K K S G M N G V V C S A Q E S K K I K E M
A L R F I P I A N E L A L M A K L E L D G I V A P S T R P E R L R E L K H L
T L L V P L E L P A Y A L S M A L L A Q E S G I D G V V C S P Q E V A Q L R Q T
D Q N I Q T S L L E S V L H Y A K R T A Q A G L D G V V C S A L E V E A I K K A
D Q L I E V P L A Q S V I H Y A Q C A K K A G L D G V V C S A L E A S A D J K G A
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A L E F L S E N A A R T A K M A V E C G A D G I I A P A T S R P E R V K A I R E I
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E Q F I Q E T L E E N I H Y A Q L A Q S G I D G V V C S P L E S Q A V H T A
R E L L I H A P I D E V V H Y A R N A R D A G L D G V V C S P L E A G S I H A R
N E D L K Q D V E T E V L K L A E L A K K A G L D G I V C S A M E V K R I K E N
E V G V A A P A E H V E R L A L L T R E C G L D G V V C S A Q E S T K R L R Q L
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QUERY P A A A A G I T E S K D L
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 UniRef90_Q8PV88 P K E A A C E I A E E I Q R E L
 UniRef90_D1NYN3 P A L T L Q Q I N Q S I R E L
 UniRef90_V5FCL5 P A Q V L A Q I N A T L
 UniRef90_Q1H2F2 P L A T L D Q I R E S I L
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UniRef90_UPI00037E7F3E G V S A V M A H G F L G G D A L V E I L L E V A G E D L G L F V V T E L T H P G G

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UniRef90_UPI00037E0DE6 E L D F L T V H G D P N L V E K A A K E G A S D S N L K I L A V T I L T S L D

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N F D S V T V A P Y M G K D S V E P F L S F E D K H T I L L A L T S N Q G A F D
D I D S L T V A P Y M G E D S V T P F L S Y E G K W V I L L A L T S N K G S H D
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E G M H A V R R M I K E F P K E V L S D E K I M D G G Y H E A D L G Y Q A
Q L E K I C R Y V R D N Y P H P L I L D A K R G D I I G A T A T Q Y A R E A F R Y
F G I P G L M A Y K K T L D Y C V I G D A K R G D I I G S T A T A Y A I G L A P
H R A E M A H M R A S A P Q V P V I L D A K R G D I I G A T A E Q Y A R E A F R Y
L G P A G L T V L D Q V D D C L V L G D A K R G D I I G S T A R H Y A A S I D R Y E
L G A E L I A H L K S A H P D P V I L L D S K R G D I I G S T A Q H Y A A S I D R Y E
C G M E A V T T L R K N H P N H L L V C D L K T T D G G A L L S R M A F D A
A G A R G V R Y L R G H H P N D F L I A D A K R G D I I G N T S A L Y A R T F F E T
H R A E L C A H I R A A H P H P I V L D A K R G D I I G T T A E H Y A R A Y E R Y
V G G E V V Q T L R N I F P K L I V A D T K C A D A G G T V A K N V A K Y
Y G A E V I L K L R E V K P N A F F V L D L K T L D T G N L E A R M A D A
H R A E L V A H M R R A A P K P V I L D A K R G D I I G A T A E Q Y I E A F E R Y
R G I A G L Q D M E N T L G S M T I A D A K R A D I I G N T S R K Y A R A F F E H
F G I E G L I V Y K K E K G L I V I G D A K R G D I I G N T S A Y A A G F S G F
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M A K L Q V A L D L L T I E E A L A L A G K V A P Y V D I I E L G T P L I K N
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I L S L D R Q I P L S T L S E I N K Y I H K V K I G Y P L L L
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L G A E L L A H V H E H P G I P V I L D S K R G D I G G S T A R Y Y T E A F G R Y D
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130 140 150 160

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I I D A V E S Y V A V Y K P Q I A Y Y E V
L C V G I D F P D K L F V R E I V D A T A E Y A V A Y K P N I A F F E A
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I S P S I L S A D F A N L E R D L K L V E N A G A H I D V M D G H F V P N I T
I N P S I L S A D F A R L E E A D A V A G A D W L H V D V M D N H F V P N I T
K F C F S L I D V A N G L I P A I K P Q I A L F E Q
M S R V Q V A L D V V D E E R A L R V A G A M G E G C L V V E A G T P L I K A
K P Q I A F Y E Q
I Q I A L D Q T N L R E F S L E R V A E A L G G R A A A F K P Q A A F F E R
P A A I E V A N N V E S F V D V I E V G T I L A F A
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R E F G L R T V E A A G K V A V V K P Q V S F F E R
M I A P S I L S A D F A Y L A D A E A V S R A D H V D V M D N H F V P N I T
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D E C K R M L E C G A D H L D V M D G H F V P N I T
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130 140 150 160

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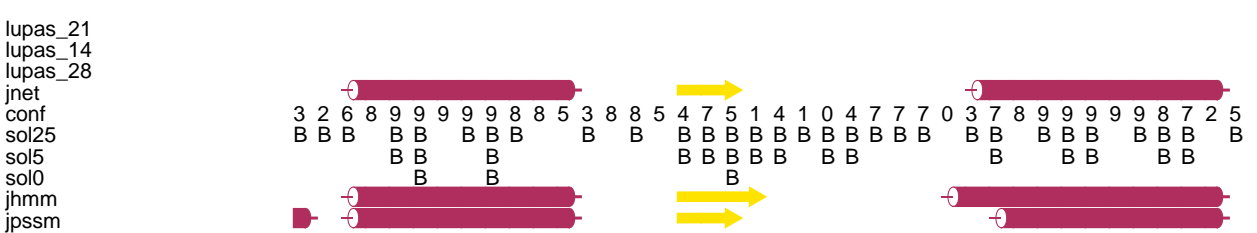
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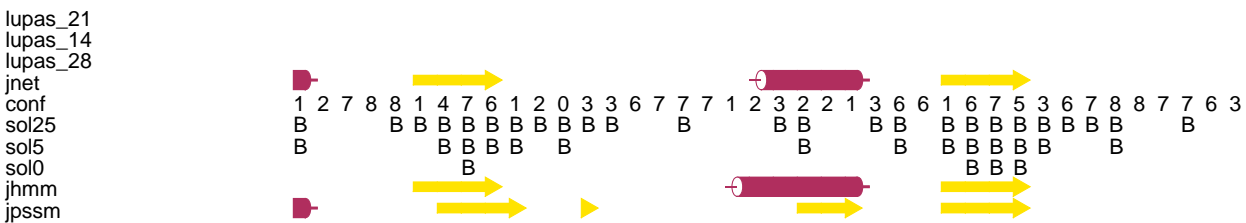


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lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm

```

7 8 9 9 9 9 9 9 8 7 2 8 9
B B B B B B B B