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50 60 70 80

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

QUERY R L V P N P D Q K D S D G D G R G D A C K D D F D H D S V P D I D D I C P E N V 90 100 110 120

UniRef90_L9L2V0 P L V H N N P D Q T D V D N D L V G D R C D N D I D E D G H Q N N Q D N C P Y I P

UniRef90_C2M8F6 P N T P N A D Q K D T D G D G I G D V C D E D I I D G D G V P N G R D N C P Y K P

UniRef90_C2M8F6 P N T P N A D Q K D T D G D G I G D V C D E D I I D G D G V P N G R D N C P Y K P

UniRef90_K1P9Z2 P E V P N A Q Q T D T D S D S T G D F C D P D I D N D G V L N A A D N C V Y V A

UniRef90_A0A026W3L2 P N V P N P G Q N D I D H D G K G N E C D D D M D M D G I P N M I D N C P Y L P

UniRef90_W5JW93 P L I P N P N Q L D T D S D N D L I G D A C D S D R D R D G I Q D S R D N C P K L P

UniRef90_F7C8Z2 V Y V H N P A Q L D T D N N G E G D A C A A D I D G D I L N E L D N C P Y L Y

UniRef90_T1IWS2 P Y D A N T D Q S D V D R D Q I G N A C C D P D I D N D G I K N P R D N C P L H P

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UniRef90_A0A022T284 P N N S Q V W T T D

UniRef90_UPI000333AB3E P Y V H N P A Q I D T D H N G E G D A C S V D I D E D G D V F N E R D N C P Y V Y

UniRef90_Q95116 P Y V Y N T D Q R D T D G D G V G D H C D N D I D E D G H Q N N Q D N C P H I P

UniRef90_E0VQ35 P T I P N L D Q R D V D K D G I G D A C D D D I D N D G I P N G R D N C P K N P

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UniRef90_S4RGZ6 P Y N H N P G Q I D T D G N G E G D A C S V D I D G D G I L N E Q D N C P Y I Y

UniRef90_F3Y0J4 P E T Y N P D Q A D T D R D G I G D A C D N D A D G D G V P N N D K D

UniRef90_E7F1S4 P Y E H N P A Q T D T D N N G E G D A C S V D M D G D E L L N E R D N C P L I Y

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UniRef90_B4HXW4 P L A K N P K Q E D F N R N G K G D S C E D D E D V D G V P N A M D N C P N N S

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UniRef90_Q16ZU9 P K K A N S N Q L D S D G D G I G D V C D N D R D R D G V Q D S R D N C P K L A

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UniRef90_E2BCC9 P Y V Y N P D Q R D I N R D G I G D A C W N D H D N D T V I N Y D N C P N N S

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UniRef90_C7M751 P N V Y N P D Q A D L D D D G I G D A C D D D V D G D G I P N A Q D

UniRef90_T1K4U1 P T V H N P D Q S D R D G D G H G D A C D N D I D S D G I Q D N R D N C R T I S

UniRef90_D6VWTM6 P F V P N F D Q K D S D G D R V G D A C D N D T D H D G I R N E R D N C P L I A

UniRef90_L1P6X6 P D I S N P D Q T D T D G D G I G D A C D P D A D D D G I P N E Q D N C P Y I P

UniRef90_F4X8G0 P D V A N P G Q N D G D R D G M G D E C D D D I D G D G I P N G S D N C P Y V Y

UniRef90_H2M4S8 P Y V A N A N Q A D H D K D G K G D A C D Y D D D N D G V P D D K D N C R L T P

UniRef90_I0WHR9 P D V Y N P D Q A D T D K D G F G D A C D L D D D N D G V L D Q N D N C P D V Y

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UniRef90_B7PKY4 P D N R R V Y A T D

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UniRef90_Q06441 P D I I N P N Q S D I D N D L V G D S C D T D S D G D G H Q D S T D N C P T V I

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UniRef90_UPI0004572866 Q T Y P N I D Q K D R D N D G V G D A C D S D S D G D G H Q D N N D N C P T V I

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UniRef90_B0WVE0 P N N S K I F S T D

UniRef90_B0WVE0 P N N S K I F S T D

UniRef90_Q75WG2 I L N P N L H K T D

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UniRef90_K7J3X4 P N N S R V W A T D

UniRef90_H9K9R1 P D V A N S G Q N D D D H D G I G N E C D N D M D N D G V P N S N D N C P Y V Y

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QUERY	D [] S E
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UniRef90_W5JW93	N S D Q
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UniRef90_T1IWS2	N Y D Q
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UniRef90_BOXAV5
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D N C P L A Y N T E Q L D A D G D G V F N E
C D N C R N V K N D Q T E D T D R D G K G I P N Y D Q K D T D G D G V G D V
C D N C P S V P N S D Q E D T D K D G L G V D N P D Q I D S D E D G V G D L
S D N C P T V S N P D Q T D T D G N G V I G D A C E P S V I D T D G D G V A D D
C D S C P E V N D P L Q S D M D N D L V I G D V C D T N K D I D G D G Y Q D T
D N C P R V P N P E Q T D R D Q D G V G D A
D N C I K T P N S G Q E D A D E D G Q G I Y N P T Q S D V D R D A G D M
L C D N C P F D F N P L Q I D T D D D N V I G D E C D T D E D V D G D G H Q D N
C D N C P V H P N P H Q T D T D N D R V I G E Q C D N N L D K D G D G V Q D N
C D N C P N V P N I D Q K D T D N N G E G D A C D Q D I D G D G V Q D N V
V C D N C P K I A N R D Q K D T D T D Q I G D V C D T D E D F D E D G L Q D N
C D N C V D I G N T D Q T D S D H N G W D A C D D P D D R D G D G I P N F
C D S C P E V S N P N Q S D V I D N D L V I G D S C D T N Q D S D G D G H Q D S
S D N C P L V R N P D Q R N T D E D K W G
G N G V I C G E D S D L D G W P N E
C D N C P Y N H N P D Q A D T D R N G E G D A C A V D I D G D G I K N I
V C D S C P F I S N P D Q A D T D H D L V I G D P C D T N Q D Q D G D G H Q D S
D N C K Y V P N S G Q E D A D R D G I G D A C D E D A D S D K D I F G D A
N T C G M D T D I D G Y P D R S L P C M D N D K H C
W A G N G Y I C G P D T D I D G F P D E
C D N C P Q K S N P D Q A D V D H D F V I G D A C D S D Q D Q D G D G H Q D S
C D N C A R V R N I N Q M D T D R D G M K A Y N P K Q E D T D R D G V G D L
D N C V F T P N S G Q E D A D N D G I G D Q C D E D A D G D G I K N V
C D S C P D V S N P N Q S D V I D N D L V I G D S C D T N Q D S D G D G H Q D S
A D N C P W I P N S G Q E D A D H D G I G N I C D E D A D G D T D V I G N A
D N C V T V P N S G Q E D A D R D G I G D A C D D Q R N A D R D N F G D A
D N C L T V P N S G Q E D A D G D G L G D A C D E D A D G D G I L N M
W A G N G Y V C G P D T D I D G F P D N
W A G N G Y L C A T D T D I D G F P D N
D A F P L D N S E W S D L D G D G I G D N S D T D R D G D G V A N N
C D N C D A I P N F D Q S N I D N D Q Y G D A C D L D K D G D G I E N R
C D N C P T D P N P N Q E D A D M D G Y G D A C D G S D K D G D G V V N T
G D G L I C G E D S D L D G W P N S
E D N C P L A F N P D Q K N T D G D T D N L G D A C D P D M D G D G V L D V
W A G N G Y L C G S D I D I D D F P D N
D N C P T V P N S A Q Q D S D H D G Q G D A C D D D D D N D G I P D I
D N C P T I P N S D Q R D A D N D G I G D D C D P D A D N D G I P D N E
C D N C P Y S P N P D Q A D T D N N G E G D A C V D Q K D S D M D G V G D H
G N G F V C G N D T D H D G F P D R
C D S C P R I S N P D Q L D M D S D L V I G D P C D T N Q D S D G D G H Q D T
D N C L T V P N S G Q E D V D R D G I G D A C D S D A D G D G V L N E
S R D N G S P T Q P E I D N D A D N D T V L D N
S R D N G S P T Q P E I D N D A D N D T V L D N
C D S C P Y V P N P D Q M D A D N D L T I G D P C D T N K D S D G D G H Q D S
D N C L T V P N S G Q E D A D R D G I G V P N V D Q R N I D E D D L G D A
G N G I H V C G E D I D G Y P D E
C D N C P L E H N P D Q F D S D S D R V I G D K C D N N Q D I D E D G H Q N N
D N C P S V P N S S Q L D T D H D G I G D E C D D D D N D G I P D P G
D D A D G F P I A Y V Y C H D R C
I L D N C Q R V P N T D Q L D K D N D G V I G D A C D S C P E V I D G D G H Q N T
D L D G D G V A D K
D L D G D G V A D K
V S D Q C P N V P E T V N G F E D G D G C P D E V P A P V D S D G D G L T D D
A D L C P D G S N A E C V P T D N G W A G N G R V C G R D R D L D G W P D E
D N C P T I A N P S Q A D I D G D G I G D A C D N D M D G D G I L N A
D N C P T I A N P S Q A D I D G D G I G D A C D N D M D G D G I L N A
D N C P T I A N P S Q A D I D G D G I G D A C D N D M D G D G I L N A
D N C P T I A N P S Q A D I D G D G I G D A C D N D M D G D G I L N A
D N C P T I A N P S Q A D I D G D G I G D A C D N D M D G D G I L N A
D N C P T I A N P S Q A D I D G D G I G D A C D N D M D G D G I L N A
D N C P T I A N P S Q A D I D G D G I G D A C D N D M D G D G I L N A
C D N C P T V P N P D Q T D T D S D N L G D N C Y D Q S D V D G D G V G D A
G E P M G E P G D T D G D G I L D E
D A F P N D P S E T T D T D N D G I G D N T D P D I D N D G I V N G
D N C P T I I N S S Q L D T D K D G L G D E C D D D D N D G I L D E
C D N C A N I A N A P Q T D A N Q N G F G D V C D T D V D R D G D G I L N G
C D N C P L V Y N P D Q I D T D R D G Q G D D C D P D A D R D G D G L G D A
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C D N C P L V H N P D Q G D M H S D G V I G D H C D N C T Y I T A N G V G K R
D R C P N D P E D K D G F Q D E D G C P D P D N D R D G I P D A
W A G N G F I C G L D S D L D G Y P D R
V C D N C P L N A N P G Q E D K D Q D L L G D A C D S N A D L D G D G V D D G
D N C P L V P N G N Q S P D S D G D G F G D A C D C D P D S D G D G V I D T
C D N C P N V A N T W Q S D T N Q N G V G N A C D N G K D K D G S V L D F
C D S C P D V S N P N Q S D S D D L V I G D T C D D N I D R D G D G H Q D N
D K C P G T P A G Y Q V D Q D G C P V D S D G D G V A D Y
V C D N C P T V Y N P Q V I D S D G D E V I G D A C T T H L D S D G D G R Q D D
V D N C V G M D N P D Q I D L D N D G R G N P C D D D L D G D G V A N N

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UniRef90_BOXAV5 R D N C P F V A N A Q L D T D N D G M G D A C D D D K N D G V P D R V D N C C
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jpssm

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UniRef90_UPI0003824F0D
UniRef90_H3ZN33
UniRef90_A1SS06 E
UniRef90_UPI0003739B7C
UniRef90_V6SKG7 N A Y
UniRef90_A3ZVF4
UniRef90_I3R9T3
UniRef90_UPI0003B40FD1
UniRef90_UPI000382EE74
UniRef90_A7NQ97
UniRef90_R9PRD9
UniRef90_A8UI91 N
UniRef90_L8JDY1 D

lupas_21
lupas_14
lupas_28
jnet
conf 7 8 8 9
sol25 B
sol5
sol0
jhmm
jpssm