

1 10 20 30 40
QUERY H H H H H H G S D L G K K L L E A A R A G Q D D E V R I L M A N G A D V N A T D
UniRef90_C3NIT9 P N A K D N N G Q T P L H M A A H K G D V D V V R V L L L E N G A D P N A K D D
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UniRef90_UPI0001584B29 G R T P L S W A A G N G H D A V V K L L L E K G A D I E S K D
UniRef90_UPI00021A59E8 N I S I Q D N D G S T A L M A A S Y G H H Q V V E F L L L S K D P D I N T I Q N
UniRef90_I1F123 I N V Q N N Y G W T A L I L A S R H G H Q V V E F L L L S K D P D I N T I Q N
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UniRef90_M9WYY2
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UniRef90_W4YJK9 N D C K T A L H E A A F N G H L D V T I Y L I S Q G A D V N K G D
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QUERY UniRef90_C3NIT9 UniRef90_A2ERS8 UniRef90_A2DU09 UniRef90_UPI00021A5F0A UniRef90_I1GH16 UniRef90_J9HSB7 UniRef90_A2ERS5 UniRef90_UPI000265377A UniRef90_UPI0001584B29 UniRef90_UPI00021A59E8 UniRef90_I1F123 UniRef90_A2EYR2 UniRef90_UPI00021A5E50 UniRef90_UPI00021A3E3C UniRef90_U1HXR6 UniRef90_A2G715 UniRef90_A2F621 UniRef90_A2EFE9 UniRef90_UPI00035989C1 UniRef90_W4YT11 UniRef90_A2EYV9 UniRef90_A2FEP4 UniRef90_A2DQT2 UniRef90_A2FAC4 UniRef90_A2DLQ8 UniRef90_A2DIH2 UniRef90_A2G022 UniRef90_F7EPI8 UniRef90_UPI0002654971 UniRef90_A2G446 UniRef90_A2F3E3 UniRef90_A2D9U3 UniRef90_A2FG57 UniRef90_I3KPG4 UniRef90_UPI0003C4A8E3 UniRef90_UPI00046C2B76 UniRef90_A2E9U9 UniRef90_W4XTT0 UniRef90_A2FGV0 UniRef90_W4ZER1 UniRef90_UPI00027FC4E7 UniRef90_UPI000440FEEE UniRef90_UPI0003C44DF0 UniRef90_B6HW23 UniRef90_D6W120 UniRef90_G1SZP4 UniRef90_H0YUA6 UniRef90_UPI000359D7AE UniRef90_UPI0003F121C7 UniRef90_A2F524 UniRef90_A2F270 UniRef90_A2DBP4 UniRef90_M9MRX4 UniRef90_UPI00021A4073 UniRef90_W4XKK7 UniRef90_A2FXS5 UniRef90_M9WYY2 UniRef90_H2TE20 UniRef90_M4AHD1 UniRef90_A8JNM5 UniRef90_A2DG39 UniRef90_M9MR55 UniRef90_W4ZB59 UniRef90_UPI0002652C91 UniRef90_W4Z2P3 UniRef90_W5N689 UniRef90_W4XV76 UniRef90_W4YX90 UniRef90_R7Z5M4 UniRef90_W4Y135 UniRef90_A2DBT8 UniRef90_I1F324 UniRef90_A2FQE0 UniRef90_G7M270 UniRef90_W4XCZ4 UniRef90_A2DGP6 UniRef90_UPI0001D542F9 UniRef90_A2EX18 UniRef90_H9GIT7 UniRef90_W4YMG2 UniRef90_V9K845 UniRef90_UPI000440E2DD UniRef90_W4YBT8 UniRef90_W4YFF0 UniRef90_W4YJK9 UniRef90_J9NY57 UniRef90_X0H7Q9 UniRef90_W4XUL8 UniRef90_A2EYE2 UniRef90_Q8C8R3 UniRef90_S4R249

50 60 70 80

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

QUERY	90	100	110	120
UniRef90_C3NIT9	HMAAHLKGDV	EDVVRVRLLE	RGADVNAKDD	NDNGDQTPL
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I R A A T Y G H A P I V E V L K N H A A L E A Q D R T K G N T A L S L A C T A G
H R A A V V G N T D V I S A L V K N G C A L D R Q D K D T A L H E A A W H
H E A A L C G K T E V V R L L L D N G I N A H V R N T Y S Q T A L Q F T T S Q A
I T A A Q N G Q L E V V K Y L I S K R V D K K A A K N E Y T A L T L A S L N G N
H C A A K A N S K E T A E I L I S H G S D I S A K A K F N E Y T A L H V A A M N G
W L A A N G G H L G V V E L L C S A G G D I D S Q S D N R K V S C L M A A F R K G
M A A A N G G H V E L V K L L A H A D A D V N S Q S S T Y G M T P L Y A A A R F G
N A A V Q Y G H L E A V K Y L M S E G A R Q N K Y Y G M T P L Y A A A R F G
S L A C S A G H K D I V K H L L K C G A D P N I E L K D G G V T C V M E A A R N G
H L A S Q N G H L D V V K E L I S Q G A N V I N S S T N D G G S T A L H L A S H G
A R A A Q Y G D L E V V R L L L E H E A D I T L F G E P L F C A I D Y G
L K A S Y N G H S S V V A L L I Q K D A N V S L R D N D G W T A L H N A S A Q G
D L A A F K G H T E V E A L V I N Q G A S I F V K D N T K R T P L H L A S R S G
Y L A S Q N G R L N V V K E L I S Q G A V I N N S T N E G V T A L H L A S Q N G
H L A V D N N N K K A V E D I I S H G A D V N A L D R D K E T P L H K A A R K N
I L A A T G G H R E V V E L L L S N G A Q L E A Q S S E R K D T A L S L A C S G G
S A A S H H V D I V K Y L I S Q G A V N P E A S V S N N G Y T L L Y I A S Q A G
H V S S V R G N Y T I V R Y L C E K G S D L N A V N K E G Q T P L Y L A T K R N
H F A V S K F Y R D T E K L L I F G G A D I N E K D F H G I T P
H A V S A N G H Y D R V E T L L I D R G A K I E T K N S Y G H T A L Q L A M L Y G
H L A C D E E R V E E A K L L V S Q G A S I Y I E N K E E K T P L Q V A
L E A A R A G S L E L V K F F V Q E G A K I R L A D M N G Q T A L H N A A H T G
I A A S E K G H L D V V K Y L F G Q G A K I R K G G N N N G T P L L N A A S T Q G
H Y A A A N C N Y Q C L F A L V G S G A S V N D L D E R G G C T P L H Y A A T S D
H F A A G Y N R H L G V V E V L L K Y F G A D V H A K D K G G L V P L H N A A S Y G
H L A C T Y G H E D C V K A L V L D I G N E K G G D T P L H I A A R W G
I L A C K N G H T Q I V E L M L E K N I N I D F Q K N D G G V N A F M L A C R N G
Y A A S E G G K D V V R L L L D E G A D V H A Q G G L C G S A L G A S S V E G
S W A E Q G H E A V V K L L L E T G A D V N P K N K Y G F T P L S R A S A D G
H W A A N H K D V N T V K C I L D A E S L L N W Q D Y E G R T P L H F A V A D G
S W A C L K G Q K S V E F L V E R H G A Q I D H A D K N G R T P L D L A A F Y G
L I A C E A N R L I M K E L L L E T H I D N N V D E R M Q T P L
V H A I A G N I D I V E L L L M H G M S L N S A E G S I T P L M W A V I Y D
S W A A E N G H E A T V K L L L A E K V D V D S K D N Y S G A T P L L V A A A N G
H Y A A A Y G H R Q C L E L L L E A K T N N V F E E S D S S Q A P L H L A A A N G
D L A A F K G H A E C V E A L L N Q G A S L V K D D T K R T P L H A S V I N G
H I A A R W G Y Q G I I E T L L Q N G A S T E L V Q N R L K E T P L K C A
H I A S L G G H D I V K L L I K G G V S I N P Q A K D D T P L Y M A A Q E N
H L A A K N G H R E V I R Q L L R A G L E I N R Q T K T G T A L H E A A L Y G
H A A S D Q G H S V A Q L L L E E G A N V D A M N Q Y N R T P L H Y S A E K G
H A A S S G M G V V K Y L L D L G V E I N E P N A Y N R T P L H V A C Y N G
H W L A V N G R T E V L H D L F A F V P D V D V E D A Q G Q T A L H V A C Q N G
I S A S R Y G H S A L V K L L L N K K V D V N A K N N A G E M T P L I S A A C Y G
H L A C Q N G H S Q T A Q V L L G C M P D S K N N A G E T C L H F A A R Y N
I I A S R L G H T T Y V S K L F Y A G A D F N R D N D G S T P L H F I A R W G
H L A I T H G N I S N V T M L L E H G A N I N A R N A H G D R A L L A S S H G
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F W A A M R G R E F V V Q M L L R T G V D V D T R D I H S R T P L S W A A T Y G
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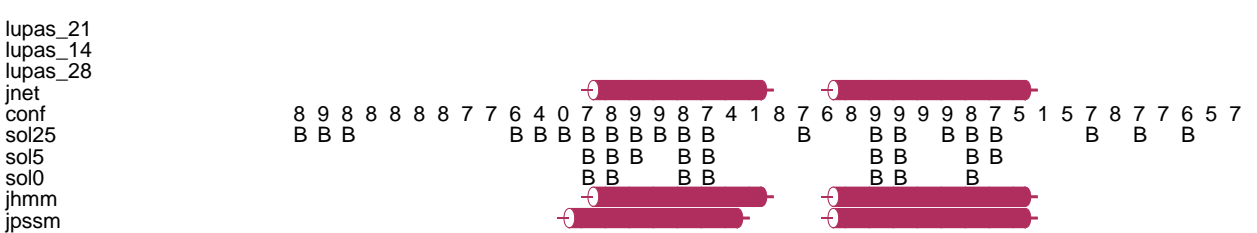
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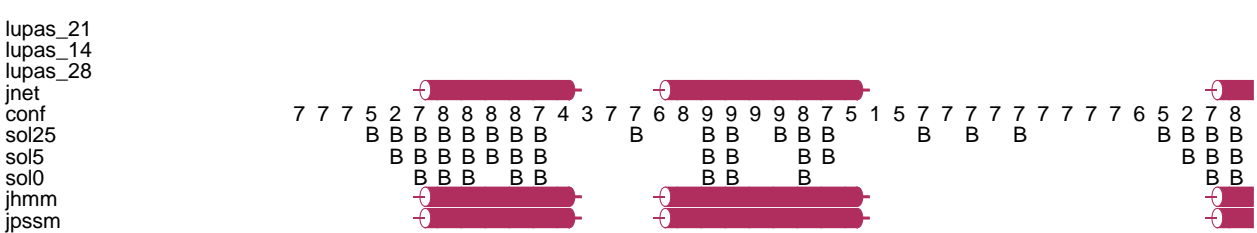

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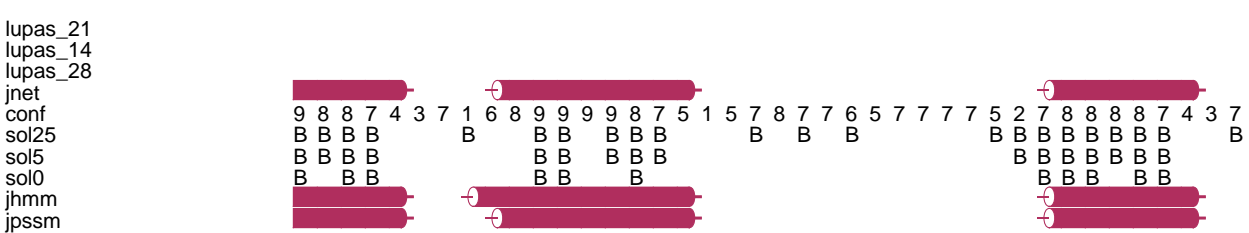
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