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90 100 110 120

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

QUERY UniRef90_G0A6J1 UniRef90_UPI000299D7DB UniRef90_UPI00037948B4 UniRef90_I4VWZ0 UniRef90_UPI00045E7B2C UniRef90_W6LRE2 UniRef90_UPI00035E0A72 UniRef90_I3YB66 UniRef90_A0A011NJG8 UniRef90_UPI000469BC85 UniRef90_M5DIZ2 UniRef90_W6M4P7 UniRef90_UPI000475379A UniRef90_V4J1L3 UniRef90_U3HHZ1 UniRef90_N6ZT76 UniRef90_G4T2W7 UniRef90_V2D287 UniRef90_E6V5H7 UniRef90_A1TM81 UniRef90_Q0FRD0 UniRef90_A6UXL9 UniRef90_Q0KDX4 UniRef90_A4F0Y5 UniRef90_UPI000375F24D UniRef90_F6AF35 UniRef90_C6BJ46 UniRef90_H5WVMU3 UniRef90_W0LAS8 UniRef90_C4UE94 UniRef90_I3UH15 UniRef90_A9BLK2 UniRef90_E8UFP5 UniRef90_B1Z6L8 UniRef90_D4E4Q9 UniRef90_A0Z108 UniRef90_UPI00037A12C1 UniRef90_R9NMA5 UniRef90_Q398M0 UniRef90_V5ABY9 UniRef90_R9NLK5 UniRef90_V5ZBN0 UniRef90_D0KEX5 UniRef90_D8PEP0 UniRef90_A7MNP3 UniRef90_U4VWJ1 UniRef90_HOFER5 UniRef90_Q080V4 UniRef90_G8LFD1 UniRef90_C4V049 UniRef90_UPI00035C2094 UniRef90_A8IB32 UniRef90_B2JW47 UniRef90_F0SFE2 UniRef90_D2ZK90 UniRef90_UPI00037EB671 UniRef90_A0A014Q088 UniRef90_X2H8K5 UniRef90_C5ALE6 UniRef90_UPI0003A5CC0C UniRef90_F3WX13 UniRef90_Q3BTQ9 UniRef90_UPI000237645E UniRef90_UPI000375CE98 UniRef90_W1Z049 UniRef90_W0ILP5 UniRef90_G0AY95 UniRef90_L0DBG9 UniRef90_D3NVJ9 UniRef90_UPI00035ED4F6 UniRef90_J0W7X7 UniRef90_Q7CUP0 UniRef90_A5G330 UniRef90_UPI000373645E UniRef90_I3ALD7 UniRef90_I3TRV1 UniRef90_B9K2G2 UniRef90_UPI000472C75E UniRef90_E8VUR1 UniRef90_D3A5A9 UniRef90_A0A029M017 UniRef90_G4CMZ2 UniRef90_Q02CG9 UniRef90_C1AEI8 UniRef90_UPI000369942F UniRef90_C5CX55 UniRef90_UPI00047E87CC UniRef90_UPI00029AD755 UniRef90_G8NPT8 UniRef90_A0A023D7D3 UniRef90_D5RJQ5

130 140 150 160

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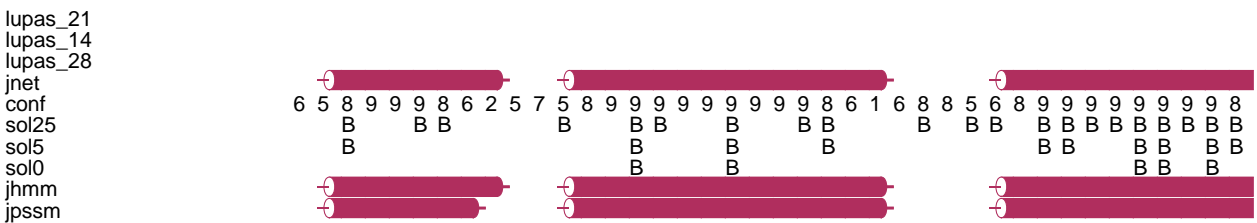
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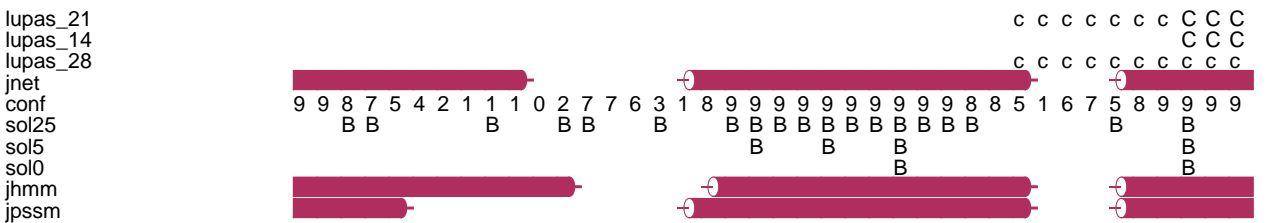

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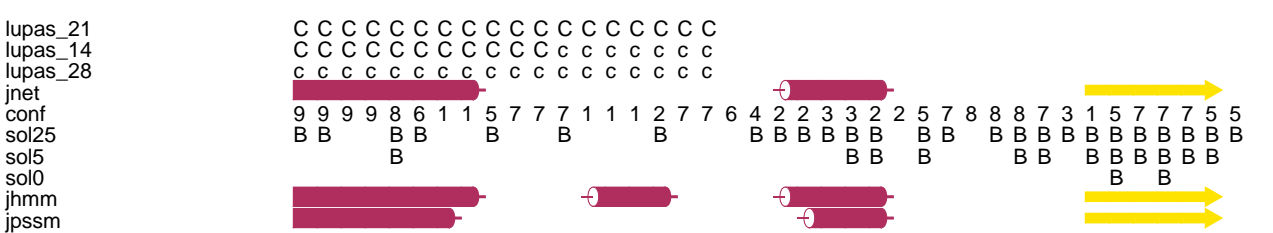
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