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

QUERY UniRef90_N0BEW7 UniRef90_D3RX42 UniRef90_D1CDA3 UniRef90_I3R661 UniRef90_G2MK65 UniRef90_MOCJ09 UniRef90_UPI00040C6B4E UniRef90_D2RGP9 UniRef90_W9DVC0 UniRef90_E3GXU1 UniRef90_K4MG14 UniRef90_U2YFH7 UniRef90_F3KIC6 UniRef90_D7EBM0 UniRef90_UPI0003735AA4 UniRef90_U1QXZ9 UniRef90_E7QTV2 UniRef90_GOLMW6 UniRef90_F7XQA6 UniRef90_Q5UZQ7 UniRef90_K0BAG9 UniRef90_Q0W0K1 UniRef90_J2ZCB2 UniRef90_B3T7X7 UniRef90_UPI000381F660 UniRef90_E8N4V5 UniRef90_D8J7M1 UniRef90_UPI0003782A09 UniRef90_A0B514 UniRef90_Q4E62 UniRef90_UPI00036E5F94 UniRef90_D1Z1H4 UniRef90_D1JIJ8 UniRef90_L0HHQ5 UniRef90_K0B3C5 UniRef90_G8PRU1 UniRef90_C7NNP7 UniRef90_F6CXN6 UniRef90_U7P8Q0 UniRef90_V4XJT9 UniRef90_K8PLL8 UniRef90_A5USE0 UniRef90_M1XN81 UniRef90_D1AF58 UniRef90_UPI0002627B02 UniRef90_UPI000374409D UniRef90_K6GJC4 UniRef90_L0L2M0 UniRef90_H1Z127 UniRef90_E5ASS3 UniRef90_V6KKD7 UniRef90_UPI0003679520 UniRef90_D7DTT7 UniRef90_Q648A3 UniRef90_B8GG71 UniRef90_Q12UL3 UniRef90_K4MDG8 UniRef90_K2MJJ8 UniRef90_D5QEF2 UniRef90_E1IDB2 UniRef90_W4LJ70 UniRef90_Q5NVW69 UniRef90_F2KRL8 UniRef90_F6D1M5 UniRef90_M0M985 UniRef90_I7LK91 UniRef90_V4XFX7 UniRef90_D1CAW8 UniRef90_Q8TWR1 UniRef90_K0ICL6 UniRef90_A6UTH6 UniRef90_Q2IRR6 UniRef90_C7NXP1 UniRef90_A0A031M2D6 UniRef90_D7A1S6 UniRef90_I6Y881 UniRef90_I4EDG2 UniRef90_W7T4P0 UniRef90_M4IH39 UniRef90_L0KZY8 UniRef90_E6N921 UniRef90_S6GI25 UniRef90_F8AN06 UniRef90_I2JLA0 UniRef90_B3T118 UniRef90_UPI0003ACF0B7 UniRef90_R4VUP2 UniRef90_W2ERE4 UniRef90_UPI0003628CDC UniRef90_J6UC16 UniRef90_B7RX41

90 100 110 120

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

QUERY	130	140	150	160
UniRef90_N0BEW7	P L N P D D G S A A E K I	R R R R L R E L T G K R V G V I I T D T N G R C C F R R R G V V V		
UniRef90_D3RX42	P L V N P D D A S A A E K I	R R R R L R E L T G K R V G V I I T D T N G R C C F R R R G V V V		
UniRef90_D1CDA3	P L N P D D A S A A E K I	R R R R L R E L T G K R V G V I I T D T N G R C C F R R R G V V V		
UniRef90_I3R661	P K R P P N K S A A E R I	C A G L T A D S P V V V V S D T T S C G R P P F R R H G Q R		
UniRef90_G2MK65	P K R P P S E S A A K R I	H E A G L P E S S S P V V V V S D T T S C G R P P F R R H G Q R		
UniRef90_M0CJ09	P K R P P S E S A A K R I	H E A G L P E S S S P V V V V S D T T S C G R P P F R R H G Q R		
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170 180 190 200

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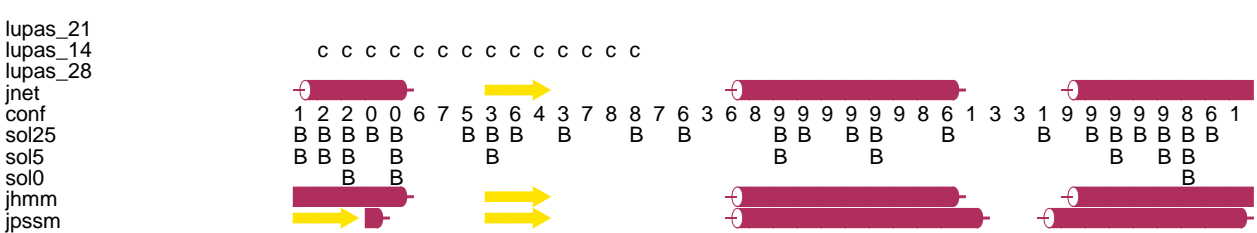
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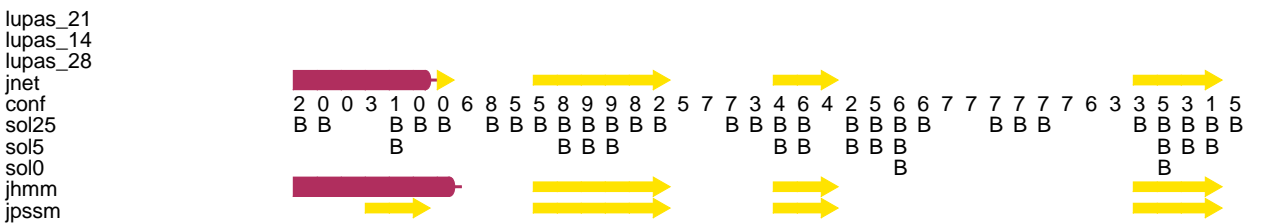
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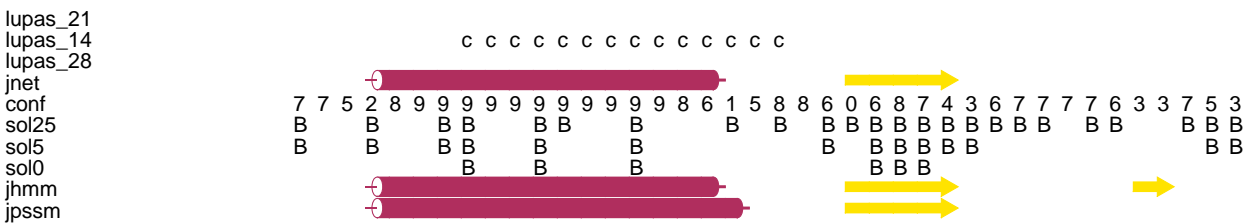
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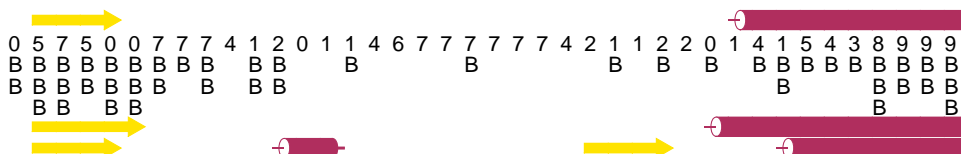
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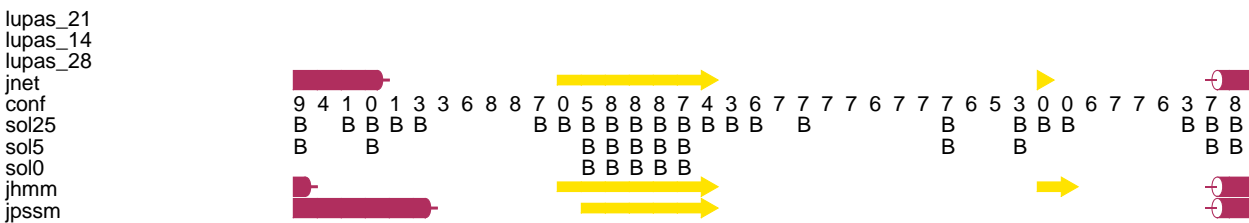
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