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

QUERY UniRef90_UPI0004437F73 UniRef90_G8AUN0 UniRef90_ROG6P2 UniRef90_A0A022PLW1 UniRef90_W5IZ45 UniRef90_UPI0003160123 UniRef90_UPI000375BE94 UniRef90_UPI00035F908C UniRef90_S2KQ94 UniRef90_Q45726 UniRef90_H4EZM6 UniRef90_AONLL2 UniRef90_UPI00035E3601 UniRef90_UPI0004778B2F UniRef90_UPI0003622944 UniRef90_U4VVB5 UniRef90_A4FRA8 UniRef90_G2P477 UniRef90_M2QLH9 UniRef90_K4Z7G8 UniRef90_E8YVR7 UniRef90_A0A024DPB1 UniRef90_UPI0003684D58 UniRef90_UPI00036E34C7 UniRef90_I2N3E8 UniRef90_UPI00035E9A7E UniRef90_W9GWJ4 UniRef90_Q769D6 UniRef90_UPI0004764BCE UniRef90_UPI00036048B6 UniRef90_UPI000475A6B6 UniRef90_I3ZLG6 UniRef90_D9WC41 UniRef90_K9B0H7 UniRef90_UPI00037A6602 UniRef90_F0BKK8 UniRef90_UPI000348E3EA UniRef90_H9BW95 UniRef90_Q0G4Z1 UniRef90_G4HIM8 UniRef90_L1L8R3 UniRef90_UPI00046446FB UniRef90_B6JGD8 UniRef90_K8ENU7 UniRef90_UPI000472A02E UniRef90_B9R2E6 UniRef90_P62593 UniRef90_UPI0004632B1B UniRef90_POA5I7 UniRef90_R8E0T4 UniRef90_I0HQQ0 UniRef90_M7XV87 UniRef90_UPI000476410A UniRef90_A6DXF2 UniRef90_M3BGD5 UniRef90_Q03170 UniRef90_UPI0004699AA8 UniRef90_I0RWY1 UniRef90_A0A022LPF9 UniRef90_A0A059MVZ9 UniRef90_J3I3P1 UniRef90_Q11G68 UniRef90_X5KT70 UniRef90_UPI00041A9709 UniRef90_UPI000475F909 UniRef90_Q6RSM8 UniRef90_Q9RA17 UniRef90_Q0BSY1 UniRef90_E7DK52 UniRef90_UPI000378E193 UniRef90_E5XRK8 UniRef90_UPI000477A9AF UniRef90_B8HGJ3 UniRef90_W7J1S7 UniRef90_R4T4Q4 UniRef90_UPI000477ACD7 UniRef90_D7PIH6 UniRef90_UPI0003C77446 UniRef90_UPI0004648033 UniRef90_UPI0003B77BF3 UniRef90_B1Q1F1 UniRef90_UPI00047607C8 UniRef90_R5NKK1 UniRef90_UPI0003FB1EEE UniRef90_F3L4D6 UniRef90_UPI00028A13C2 UniRef90_Q8VT49 UniRef90_C6X4P9 UniRef90_R6RUE9 UniRef90_N9EC93 UniRef90_F6IHB4

130 140 150 160

G G V T A F A R A I L G G D D D V T R R L L D R D R W E P T E L L N N E A I L P P G D P P R R D D T T T T P P A A
K G L T T A F F L R R T S I L G G D D D V T R R L L D R D R W E P T E L L N N E A I L P P G D P P R R D D T T T T P P A A
A G L T T A F F L R R T S I L G G D D D V T R R L L D R D R W E P T E L L N N E A I L P P G D P P R R D D T T T T P P A A
E V V N H F T Q G G D D D P A F R R L L D R D R W E P T E L L N N E A I L P P G D P P R R D D T T T T P P A A
A G L T T D F W L R R S I L G G D D D V T R R L L D R D R W E P T E L L N N E A I L P P G D P P R R D D T T T T P P A A
E P F N K D F V L R R S I L G G D D D N T T F R R L L D R D R W E T E L L N N T S A I L P P G D P P R R D D T T T T S P R A
A A V T A F F A R S I L G G D D D N T T F R R L L D R D R W E T E L L N N T S A I L P P G D P P R R D D T T T T S P R A
A G L T T R F F A R S I L G G D D D P V M T R R L L D R D R W E T E L L N N S E A R P P G D P P R R D D T T T T P P E A
S G V T T F A R S I L G G D D D S V M T R R L L D R D R W E T E L L N N S E A R P P G D P P R R D D T T T T P P E A
K G Y E K A L R K M G D D R V T M S D R D R F E T E L L N N E A I L P P G D P P R R D D T T S T A K R A
S G F T A F V L R R S I L G G D D D P V I T R R L L D R D R M E P A L L N N S E A K Q A G D S K R D D T T T T S P A A
Q G L T T D Y L R R G I G G D D D V I T R R L L D R D R Y E V A L L S D A T P S G D P P R R D D T T S T P P R A
R G L T Q D A L R R G I G G D D D V S T R R L L D R D R Y E V A L L S D A T P S G D P P R R D D T T S T P P R A
A G L T Q G A F F H T I G G D D D N V T R R L L D R D R W E L A L L N N R T S V S G D P P R R D D T T S T P P A A
A A L T T G A F L R R G I G G D D D T T I H V L D R D R T E P E L L N N R T S V S G D P P R R D D T T S T P P A A
Q Q A T H F A R S I L G G D D D K A F R R L L D R D R K E P E L L N N T A T P P G D P P R R D D T T T T P P S A
E K V T T A F A R S I L G G D D D T T Y R R L L D R D R R E P A L L N N S R W V P G D P P R R D D T T T T P P L A
K G L T T A F L E K M G D D D V I T R R L L D R D R R E P E L L N N S R W V P G D P P R R D D T T T T P P R A
G E L T T A F T R R G I G G D D D V T R R M D R I E P L I T E A T P G D P P R R D D T T T T P P R A
K G F E K A L R R S I L G G D D D Q V I T R R L L D R D R N E T E L L N E A T P G D P P R R D D T T T T P P Q A
A G L T T A F V L R R S I L G G D D D G I T R R L L D R D R N E P T L L N E A T P G D P P R R D D T T T T P P N A
S A F E K I L R E T I G G D D D V T K S E R F E P E L L N E V H P G E T P R D D T T S T P P E A
K E L T T A F L R R T I G G D D D G S T R R L L D R D R E P D L L N S D I A K G D D P P R R D D T T T T P P D A
K G V T T A F A K T I G G D D D R S D F R R L L D R D R R E P E L L N S D I A K G D D P P R R D D T T T T P P L S
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A G V T T R F Y C I G G D D D A M T R R L L D R D R W E T E L L N D I A P G D P P R R D D T T T T P P R A
A G M T E Y A R S I L G G D D D A M T R R L L D R D R W E T E L L N D I A P G D P P R R D D T T T T P P R A
Q G L T A A A L A S T I G G D D D T T T K V L E R R E P E L L N Q W S P G A T Q D D T T T T T P P E A
A A V T A Y A R S I G G D D D T T T F R R L L D R D R L E T E L L N S A L P G D P P R R D D T T T T P P E A
A G L T A A A L R R G I G G D D D T T I H V L D R D R T E P G L L N D L A P G D P P R R D D T T S T P P H A
D E F Q A L I Q D L L G G D D D V T E P E R Y E T E L L N E F M P G N K S D T S T P P K V
G K I T T Y A Q S R I L G G D D D V T R R L L D R D R T E T A L L N E S L A G D P P R R D D T T S P D D A
K A L E R E V R R V L G G D D D V T R M E R I E P E L L S K W V P G D T P R D D T T T T P P R A
A A L D E R L N D I G G D D D T G T T V S R T E P G L L N E A K P G D P P R R D D T T T T P P R A
A G L T A Q L R D F I G G D D D A T S R R L L D R D R L E T E L L N E A V P G D P P R R D D T T T T P P L A
P G V T A F L R S I G G D D D A K T R S D R D R Y E P E M N G F A P G E P R D D T T T T P P A A
P A L T A F A R T I L G G D D D V T R L L D R D R N E T E L L N E A L P G D P P R R D D T T T T P P R A
Q Q V T Q F V R S I L G G D D D K V T R R L L D R D R Y E P E L L N E A T P G D K R D D T T S P H A
Q A V T D Q M R S I L G G D D D A T R R L L D R D R Y E T A L L N E A R P G D A R D D T T T T P P R A
D G F E A A L R Q I L G G D D D V I Q A D R D R Y E T E L L N E A V P G D D R D D T S T A R A A
D G L E R V L R R S I L G G D D D V T E M D R Y E P D M S N E D G L P G D P P R R D D T T P P R A
U P I 0 0 0 4 6 4 4 6 F B A G V N A F I L R A N I G G D D D K T T R L L D R V I E P A L L N E A A P G D A R D D T T T T P P A A
A G L T A Y A R T I L G G D D S L T R R L L D R D R I E T A L L N E A A P G D A R D D T T T T P P A A
A G F Q K E L E K I L G G D D H T T E S V R Y E P E L L N E A A P G D A R D D T T T T P P K A
Q Q V T T R Y A R T I L G G D D Q V T R R L L D R D R F E P Q L L N E A A P G D A R D D T T T T P P R A
N G V T T Y M R S I L G G D D V T R L L D R D R N E P S L L N E G T P G D P P R D D T T T T P P V A
K E L T T A F L H N M G G D D H V T R R L L D R W E P E L L N E A P N D E R D D T T M P A A
A G L T A F L R T I L G G D D R V S R S D R D R W E T A L L N D W R P G D E K R D D T T T A P P R P
A A F T G Y L R S I L G G D D T V S R L L D A E E P E L L N R D P P G D E R D D T T T T P P H A
S E F K K S L R E V L G G D D T V T N P E R F E P E L L N E A R P P G D E R D D T T T T P P K A
A G L T A W V R T I L G G D D R T R L L D R R E P D L L N E A R P P G D E R D D T T T T P P Q A
A G Q T A W L R G L L G G D D P V T R L L D R D R T E P T L L N E A I P G D S R D D T T T T P P E A
A G V T A F A N S R I L G G D D Y R N T R R L L D R W E T E L L N E A L P G D P P R R D D T T T T P P E A
Q S V T A F L R E I L G G D D P V S R R L L D R D R R E P D V L N T F A P D D P P R D D T T T T P P A A
R A I G A F A R T I L G G D D R T R R L L D R D R T E P T L L N T N L P G D P P R D D T T T T P P A A
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Q G L T G Y L R R S I G G D D E K E T R R L L D R T E T A L L N E A T P G D V R D D T T T T P P T A
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I S Q L S S E V R K L M S R Y N L D P G M F F L D L E T G D Y L D I N G K A V
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E I I P L K S S I Q S L V A A T P N T P G I F V A N L D S G N Y V D I N A S T S
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L H T K L E Q L A A S C P C R W S V V V T D G D G R N V Y S L R P D L I
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S P A L V A T L R E L G R Q F P G K V G I A V Y N V E A G W T V E H N G D Q S L
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M G M T L K K I Y N H G Q L V Y S R Q A D E A M L T I L A K N Q N R T K L P K D L
L A K L S R A I I G G E P E E Y H M Y S E K S L T I Y D N I T Q Q N R N G L L W
T A R L V R A L I N R F P E Y Y G Y Y S E R S F V W N D I E Q F N R N R M L W
L A K L A K A I I N D F P N Q Y P I Y S E K Y F T Y N N I R Q P N R N L L W
L A R L A R A H I E T Y P Q Y Y D I Y S E T E F T Y N G I R Q Y N R N P L L G
M A V L S R A L I R D V P D L Y A L Y S E R Q F T F N N I T Q H N R N S L L W
M H I L F K E I Y S G E I A N K A L T N E L L D F L K D T D E D R I P K L L
L L V L F K E I Y S G E I L N D R S K E A I I S L L K D D Q K Y N E M I P A K L
L A I V A A H I I N D H P T L F H Y F K Q K E F T Y N N I K Q P N R N S L L W
G V R I L E L L H K G E F L Q Y S Y F C D D L L A L L K K P K P T N L T A G L
M A K L S I A L R E H Y P Q Y S Y F Q T S F T Y K K R R Y G N H N R L L G
M A K L A Q A M I R D V P E E Y A I H K E K S F T F N N I R Q P N R N R L L W
V G E L L K K I Y N H K E I Y S K S D S Q E L A I L E K N Q D H D Y L V K N I
Q V A L L G A L V R G E L L D R S H T G L A L L E R Q Q L R E L L G R H V P
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I S L L A A M I R D F P E Y Y P L Y S L R E Y T Y N K I T Q A N R N R L L W
I T R L L G L I W R D E A A S P A A C A D V R R W M E L Q V W P H R L R S G F P
M A T L A A A I G E G A S S Y S L Y S K K Y L T W N G I R Q A N R N L L L W
A A R Y F A L L Y N S Q V S S G E P Y D D Q L L K L M Q N S H T Y I R T
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L I T L A D R L I R D H P D D G Y A R Y F S I P R L Q H G V I I P N R N P L L G
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I N A L L R L I Y S H G K V A T P D L C E Q M M E F L L Q N Q D T V T L P R L I
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D L A L L A A A I I R D Y P K Y Y P I F S L K S F R Y N G I E Q P N R N L L L F
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L S I L A T R F I R D Y P Q L Y K T Y D S A K Q F T F N K I T Q P N R N R L L W
A A M L M N R L F T E S L I S N E K Q D F I K N A L K E C K T G I D R I V A P L
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P E E A T V Y N K T G E D D Y G V E N D A A I F G N K G S F V I V V M S Q D
G S D V A V A A K T G T L P A V R N E A G V V S F P N D G R R F A V A V M F T R A
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P S S A T V Y N K T G Y A D Y G V Q N D A E I V K N S H G A F V A V V L S E D
D K S L N V D G K T G Y T E S A G Y C L A T S A E R D G M R R L I S V V M G T S
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R D K S V D G L K T G H T E E S A G Y C L V S S A E R D G M R R L I S V V M G A K S
V F D G A D G L K T G H T E E S G Y G L V A S A E R D G M R R I V V F N G M D S
D R S L E V D I K T G Y T K E A G F S L I T S A T R E G M R L V S V V M G T A N
P E A T V Y H K T G D A V G I H D V G I V E Q S N N A F F V G I M T S D K
P A E A S V A H K T G W I T N V H H D S G L E V Y M P D G R A F V L I F L S K
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R V N G V D G I K T G Y T R A S G F N L A S S V Q A N G R S R L I A V V L G G R T
S S N N V D G M K T G T T A G A G Y N L V A S A T S G D M R L I S V V L G T K T
P S E A T I Y N K T G L M Q Y G V L N D A A I T K N S K G A F V A V V M T Q N
C D A Y R V A S K S G E L M G I H H D V G V L F T P R P L I A A V L S Q G
R V I E G V D G I K T G Y T N A S G Y N L V S S V N L D G R R L V A V V M G N T
I F D E T I G N K T G T L P A G Y E H D I A Y F E N G E R R C V N I A V L T T D
L D P N V D G L K T G H T E A A G Y C L I T S A R R G E R R L I S V V M G T A S
D D G I R V S G K T G T L P S V R N E V G V V Q Y P D G G R Y A V G I F T D D
R A P S F D G L K T G H T E A A G Y C M V A S S Y R A R R R L T S V I L G A S S
Y I P V R S W N K S G S G E M E Q N D V A T F V T P Y G S Y S L A V Y T N Y
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L L D F A T G Q V L E K N P D E P
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S W V L V D A S S H Q I L A S H S E Q R
L Y D L S T D T V V N K N M H H T
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R Y A A I V V D A Q S G E V F A M R A D S P
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120

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130 140 150 160

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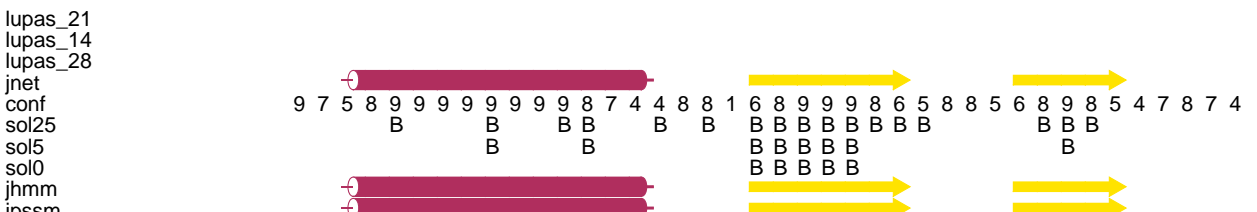
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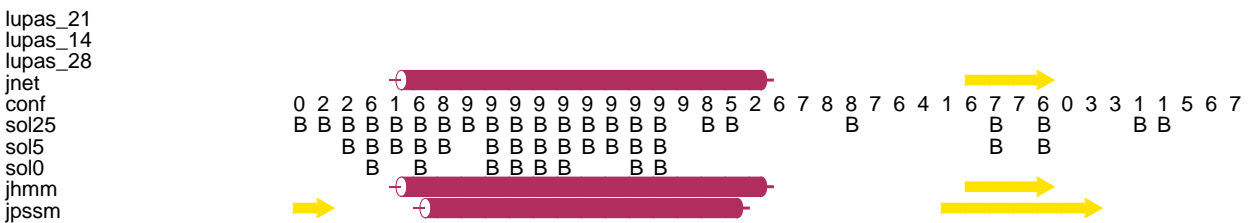
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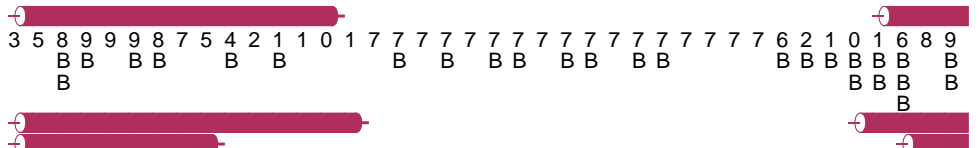


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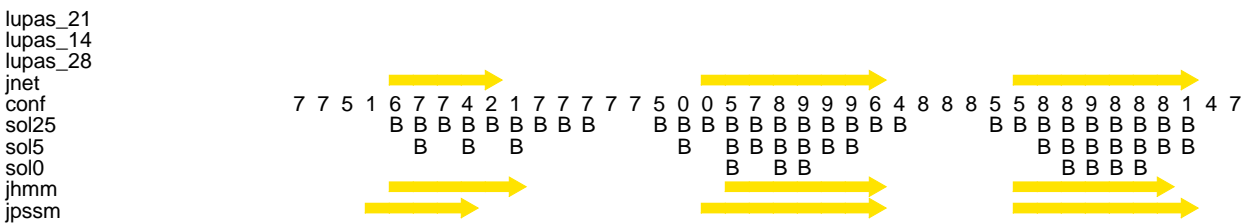
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