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N E S V Q A Y L T I N D K A I E Q A K A I D E A G I D P D S I L F S P I I A A A
P K L H S F L C V T A E R A L E Q A R A V D A K I A A G E E I G L A G I P I I G G
A L N A Y V L A T P D K A L A M A A E S D R R I A A G E A G P L E G L P L L G
A A L N A Y V T V T A D K A M E M A K A S D A K L A K G E G G A L E G L P I I A A A
R L K A F L L V D E E Q A L A A A D R I D R A K M Y Q H A P L L R G V P Y A
A V D S F I T V S E E E A L A K A A A L D A K G I D A D N L M S G I P L L A
G P G L H A V I E T N P D A L K L A A Q R D A E R R A G D A R N G V L H H G I P I I L
Q I K A F L T L N K E A A L K Q A Q Q L D E Q V D Q A N H P L L F G I P I I G
E L R A F L T V E H D T A R S T A D A C D A R R A E G A P P R L L D G L P V V A
P T I N A F T H V A E E T A M Q A A E A V D A D R K A G K T G P L L A G I P V V A
Q V G A F L A L N K E E A L K A A R E T D E K G I D P H N V L S G I P V V G
N P E L H A V V T V N P D A R D D A K R L E D E N Y R K R G G V G P L L H G I P I I V
K V K A Y I T L V E K A Y D M A R E A E N A I F S G K K S L T G I P I I A A A
G A G L N A F L E L N P E L L H E A E A S D V R R S V N P D V G P L L F G I P I I L
A G V Q A F L Q V N S R E D A A R A E A A D Q K I A A G A E I G I L E G I P I I A A A
Q L G A F L H V N S R G A E A L V A A K A A D D A I A A G E A P S P A G V P I I A A A
G P S L H A V I E T N P D A L K I A A A L D A K R T K T D G P L Y G I P V L L K
N G R L N A F I T V T S E Q A L V A A K R A D D L L A S K D A P T L T G I P L L G A
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UniRef90_E3IYU2	L G K A N M D E F A M G S S T E T	N S A Y G A T R N P W D L S R I P G G G		
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UniRef90_Q8THJ1	L G K T N L D E F A M G S S T E T	S Y Y G P T A N P W D L E R V P G G G		
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UniRef90_UPI0002F13B38	L G K T N L D E F A M G Q S T E H	A A F G P T R N P W N L D R I P G G G		
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170 180 190 200

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S S S G G S A T A I A A S D E L C I A S V L G T E T D T D G S I I R Q Q P A A A L C C D L V V V G F M K P
S S S S G T G A A I A A S L A A V V G V L G T E T T D T D G S I L L C C P A A A M N G L V V V G G I K P
S S S S G S A V A V A A N L C A V V A V V T E T T N G S I I L C C P A A S M N G L V V V G G I K P
S S S G G S A T A V A A D L C L G A T A S D D T T G G S I I R R Q P A A S F T G M V I K P
S S S G G S A A A V A A R L L V P V A T T G T D T T G G S I I R R Q P A A S F C G I T T G L K P
S S S G G S A V A V A A R L L A P V A T T G T D T T G G S I I R R Q P A A S L T T G I T T G L K P
S S S G G S A V A V A A R L L V P A A T T G T D T T G G S I V R R Q P A A S L T T G V I T T G L K P
S S S G G S A A A V A A G Q A L G T L G T D T T G G S I I R R Q P A A A L C C G I S S G L K P
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S S S S G S A V A A A S L A A A A L G T E T T N G S I I V S P A A S A N G G I V V V G V I K P
S S S G G S A A V V A A R L L P A A A L L G S D T T G G S I I R R Q P A A S H C C G G I T T G L K P
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S S S G G S A A A V A A G M V P A A C T G T D T T G G S I I R R Q P A A S F C C G G V T G I K P
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S S S G G S C A A V A A S E C Y A L Y A L G S D T T G G S I I R R Q P S S F C C G G V V V G L K P
S S S S G S G A A I A A T L A Q V A L G T E T D G G S I I V C P S A A N G V V V G L K P
S S S G G S A A A V A A R L C A A A T A T D T T G G S I I R R Q P A A A L C C G L T T G L K P
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S S S G G S A A A V A A F E A P L A L L G T D T T G G S I I R R Q P A H V T G T V G M K P
S S S G G S S A A L A A Y E A P L A I L G T D T T G G S I I R R Q P G A A F T G T V G V K P
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S S T G S G A S V A I D V T T V A V G T E T T G S I I L S P A I H N S V V G I K P
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210 220 230 240

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

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330 340 350 360

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

QUERY	410	420	430	440
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UniRef90_UPI00036E5944	K R H K L D A L C G P S T F G V S W C I D F W T G Y G S Y G P A A A L S A G F P S S I	E E Q C D A L T P T A P S A A F A Y F G A K S A D N D I F T V I A A N L A G L P G G L	U A O A 0 3 6 F B 8 0 7	
UniRef90_Q60CK8	E E V D V I M G P T T P E T A F N R G E K T D D P V A M Y I A V N L A G L P G G M	T Q C D V I M G P T T P E T A F N R G E K T D D P V A M Y I A V N L A G L P G G M	U A O A 0 5 9 K N 2 2	
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UniRef90_R6GHN8	T Q V D I I A A P T S P S V A F P I G Q K T D D P L A M Y L P I N L A G L P G G L	Q K Y D C I L A P A S P T T A P K D P L Q M Y L S D I Y T V A V N L A G L P A V	U P I 0 0 0 3 7 6 A 5 C E	
UniRef90_D0LZ19	L A D D N L D A I I A P T T G P A W P T D D H F L G G S S T A S A V A G Y P I V	Q Q C D I I L A P T A P T S D I N D P V Q M Y L S D I Y T I A V N L A G L P A M	U A O A 0 5 9 K N 2 2	
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UniRef90_B4D3C4	T E V D V I M G P T S P T P A F Q L G E K T D D P V A M Y I S T N L A G L P A L	E K Y D V I V A P A A P T T A P E D P Q M M A D D P V Q M Y I S A V N L A G L P G G L	U A O A 0 5 9 K N 2 2	
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UniRef90_D5BWA0	K E V D V L M S P V S P S A A F V Q G E K T S D D P V T M Y I A V N L A G L P A M	E K F D V L L S P T A P E T A F I L T G A K T E D P L R M Y L S A V N L A G L P G M	U A O A 0 5 9 K N 2 2	
UniRef90_F7KV69	R N Y D I L L G P A A P T T A P E D P M K M Y L G D I Y T I S V N L A G L P G M	A K N H L D A I I A P T T N S P A W K T D Y K N G D A Y I T P A A A A G Y P N A	U P I 0 0 0 3 6 A B 4 9 4	
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UniRef90_B13K2	E Q F D C I L C P A T V T P A F K Q G E K V A D P L A Q M Y I A V N L A G L P G G I	K E C D V I A G P V A P T V A W K I G E K S D D P V A N Y L A G S L A G L P G G M	U A O A 0 5 9 K N 2 2	
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UniRef90_L0H1Q1	K E F D C I L T P T M P T P A F R I L G E K V E D P D V N T V P I N L A G V P S S I	E Q V D V I L C P T S P T P A F R I L G E K I D D P V S Y T I T A N L A G V P S S L	U A O A 0 5 9 K N 2 2	
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UniRef90_Q48E92	S T V D L L M A P T M P N P A F R I G E K I D D P D V N T C P I N L A G V P S S V	W A D G T V E G V S D A Y V R L S A P A N L T G I P S S L	U A O A 0 5 9 K N 2 2	
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UniRef90_I0I1L9	A Q C D V I M G P V A P T V A W D I G D K A D D P V A N Y L A T S L A G L P G M	S K Y D V I L G P A S P S T A P R D P L K M Y L G D I Y T I A V N L A G L P G L	U A O A 0 5 9 K N 2 2	
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UniRef90_I1XMK1	S K Y D L I V G P T A P S V A Y D F P E V T Y M N D A L T P V N M A G L P G M	S K Y D L I A G P V T T S T A F G I G E K I D D P L A M Y M P A N L A G L P A A	U A O A 0 5 9 K N 2 2	
UniRef90_E3IYU2	E S V D V L V S P T S P F T P W K L G E K V N D D P L A M Y L P T N L A G H C A M	G S V D V L V S P T A P T V A Y R L G E K L D D D P L A M Y I P A N L A G I P G M	U A O A 0 5 9 K N 2 2	
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QUERY T N V P M G Q I D D G L L P V V G L L L F M G T A W S E P K L I E M A Y A Y E E Q R S T R A R
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UniRef90_UPI0003B2F040	E E Y D V I I G P T A	P T T P A F K I L G E K A D D P L L Q M Y I S V N L A G I V A I		
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UniRef90_D9WA64	I E Y P T E V A G V A	M G D Y L E W M R S A Y L V T S T G S P A L		
UniRef90_D4TJS8	T K V D V L L T P T A	P T T A F K A G E K L T D D P L S M Y I P V N L A G L P A I		
UniRef90_UPI00030EEEB2	E K Y D V I I G P T N	P T P A Y K I G E K T D D P L S M Y I P V N L A G V P A I		
UniRef90_K9YGA1	A S V D L L V C P T V	P T T A F K A G E K T D D D P L S M Y V P V N L A G L P A L		
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UniRef90_A0QUX0	E N V D V L V S P A T	P T T A F G L G E K V D D P L A M Y L P L N L A G H C G M		
UniRef90_V7FJA1	T H W P R E V A G R A	M D S Y H R W M Q V S A F A T L G G C P A T		
UniRef90_B2A5W7	S E C D V L I A P T T	P T V P F R E G E N V D D P L T M Y A P V N L A G L P S I		
UniRef90_T0IG30	A E V D I L I T P T A	P T T A F K I G E L S D P L A M Y T I P I N L A G L P S I		
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UniRef90_G0EWC3	P T H E Q L G A L A	Q D P E L N S R L I Q F T A P F N S T G H P A I		
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UniRef90_UPI00035E7EB5	L A E G D S A G L T A	R P I P S P F T Y P F N L T Q Q P A A		
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UniRef90_W5C6V1	M K E Q Q L D A L V A	P E H Y A S N H L A I G G H P G I		
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D L Q W L D A R S A Q A L R S R N E I S S E Q L V V Q F Y L A R I A A L D D G V
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E L W R K T A S E L G Q L I K K E I S P V E L V D L Y A T R I E K I D
Y A S A S T L S R Q I A D R E I S C T E L M Q D T L D N L I E R I N P V
A V E T L R Q I S E G S L T P T E H V M S E V L E V V R D H
I N D Y L E C Y R S G K L T P S Q V A K N L I A T L E D C D K S
E I V A M P A H A L S D A I H T R R V S C R E V M Q A Y L A H I A H Y
D L T R L N A A D L A S K I H S R R E I S S R E V M Q A H L D R I A K V D G
M P P T Q K T I A S L A A D L A A G R A T S V A L T E A A L D R I A D P A G E

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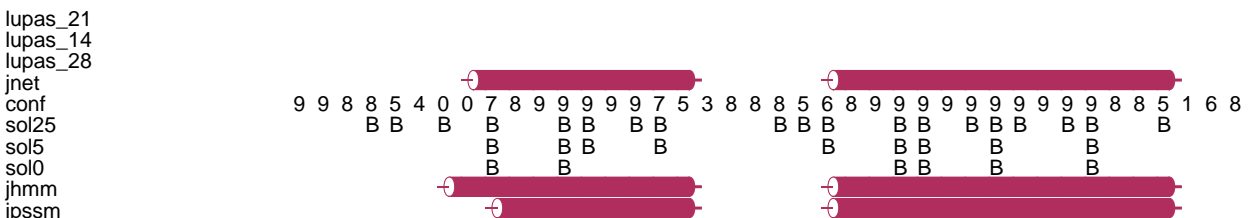
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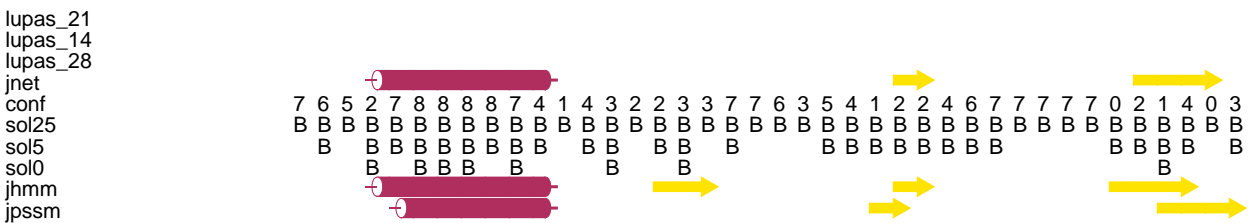
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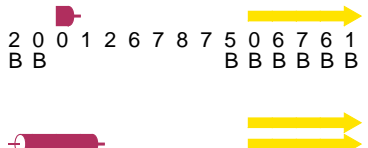
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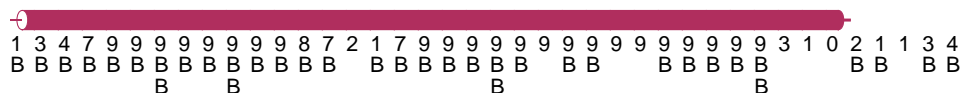
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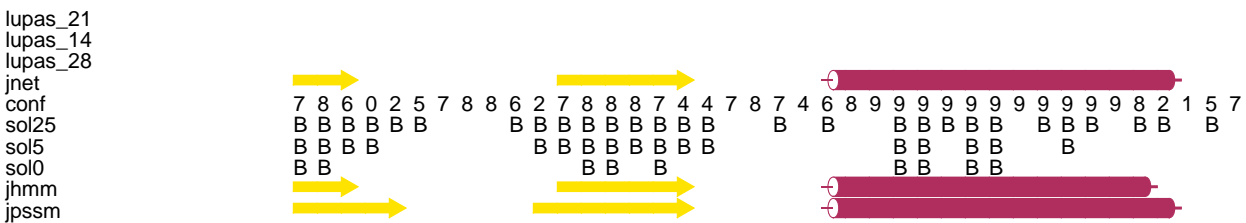
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