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90 100 110 120

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130 140 150 160

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Q R L G H R L Q I T D L L N K P V V Q R R I M K Y Q Q L L L K D F L K L S C C E E G K S V E
U n i R e f 9 0 _ U P I 0 0 0 2 A 4 9 9 F 0 Q R L G G E C L S I T D L L L N K P V V Q R R I M K Y Q Q L L L K D F L K L S C C E E G K S V E
U n i R e f 9 0 _ I 3 K R 5 1 H E I L S C R M S I S S D Y L L L K P V V Q R R I M K Y Q Q L L L K D F L K L S C C E E G K S V E
U n i R e f 9 0 _ U P I 0 0 0 2 9 8 C F 8 9 R R R H G L A N S I S S A L I K P V V Q R R I M K Y Q Q L L L K D F L K L S C C E E G K S V E
U n i R e f 9 0 _ U P I 0 0 0 3 B 4 E 5 2 9 Q Q D I L S C K L S I S S D F L L L K P V V Q R R I M K Y Q Q L L L K D Y L Q A K Y S C C E E G K S V E
U n i R e f 9 0 _ U P I 0 0 0 3 D E B 9 F C R K H R V E H P I A A Y L I K P V V Q R R I M K Y Q Q L L L K D Y L Q A K Y S C C E E G K S V E
U n i R e f 9 0 _ U P I 0 0 0 4 6 C E 6 8 7 Q K L G H R L Q L C D L L I K P V V Q R R I M K Y Q Q L L L R E A L R L T Q R E E G K S V E
U n i R e f 9 0 _ U P I 0 0 0 3 F 0 E 7 C 2 K R H G L G L S I Q A Y L I K P V V Q R R I M K Y Q Q L L L F K D F L T S C C C C E E G K S V E
U n i R e f 9 0 _ B 0 W 5 D 2 K R H K L E H S L P A F L I K P V V Q R R I M K Y Q Q L L L K D L L Q S C C C C E E G K S V E
U n i R e f 9 0 _ A 0 A 0 2 3 F M Z 8 Q K L G H K L Q L P D L L I K P V V Q R R I M K Y Q Q L L L K D I L L K Y T E E K E E A T D D S
U n i R e f 9 0 _ K 1 R E G 5 Q K L K H R L Q L S D L L L K P V V Q R R I M K Y Q Q L L L K D I L L K Y Y T E E K E E A T D D S
U n i R e f 9 0 _ U P I 0 0 0 3 9 4 1 2 1 F K K L E H H K L G L S D Y L L K P V V Q R R I M K Y Q Q L L L K E M L K Y S T E E K E E A T D D S
U n i R e f 9 0 _ B 3 R R W 8 Q R S C C D V S L S S Y L I K P V V Q R R I M T K Y Q Q L L L K D D L M D C V D D S G D T E E E E
U n i R e f 9 0 _ Q 9 C W R 0 Q Q Q L G H R L Q L N D L L L K P V V Q R R I M K Y Q Q L L L K D D F L L K Y Y S S K N V E E E E
U n i R e f 9 0 _ I 3 K S C 5 R R L S H R L P L D T Y L L K P V V Q R R I M K Y Q Q L L L K E M L K Y S S E K E G T T E E E E E
U n i R e f 9 0 _ V 9 K A 2 5 L E L G H R L Q L N D L L L K P V V Q R R I M K Y E L L L L K D F L K Y Y T T E E E E E E E
U n i R e f 9 0 _ H 3 D C 8 3 L K L G H R L Q L N D L L L K P V V Q R R I M K Y E L L L L K D F L K Y Y T T E E E E E E E
U n i R e f 9 0 _ A 0 N E N 5 L K L G K Y K L C L G D M L I K P V V Q R R I M K Y E L L L L K D I L L K H T T E E E V P
U n i R e f 9 0 _ I 3 M 6 H 3 Q R H G L A N S I S S Y L I K P V V Q R R I M T K Y Q Q L L L K E L L L T C C E E E G K S V E
U n i R e f 9 0 _ U P I 0 0 0 3 F 0 D F 8 F Q R L N H R L P L S A Y L L K P V V Q R R I M T K Y Q Q L L L K E M L K Y S E E E G T S E A S E E
U n i R e f 9 0 _ M 4 A G 1 5 K K L E H H K L G L D S Y L L K P V V Q R R L T K Y Q Q L L L K E L L L K Y S P E E G T S E A S E E
U n i R e f 9 0 _ U 3 J M G 9 R K L E H K L G L D S Y L L K P V V Q R R L T K Y Q Q L L L K E L L L K Y S T D E G V Q G E E
U n i R e f 9 0 _ J 9 J L T 4 K K H N I D H P I A A Y L I K P V V Q R R I M T K Y Q Q L L L K D D L Q S C C C E E G Q S A S E
U n i R e f 9 0 _ U P I 0 0 0 4 5 E 2 5 1 5 R K L K H R L R L D S Y L L K P V V Q R R I M T K Y Q Q L L L K E L L L K Y S K E E G S Q S A S E
U n i R e f 9 0 _ B 7 Q 6 2 6 L E L G D K M D L A S Y L L K P V V Q R R M G K Y A L L L K Q I L K E C P P E H A S D D
U n i R e f 9 0 _ V 8 P C C 0 L Q Q M I D I A I D G F L L K P V V Q R K C K Y P L Q L A E L L L K Y S T T Q S D H S A N
U n i R e f 9 0 _ T 2 M I H 6 L K R G L G L S L A A Y L L K P V V Q R I M T K Y Q Q L L L K E L L V S C C C E E R Q Q G
U n i R e f 9 0 _ H 3 C L F 3 K K L E H K L G L D S Y L L K P V V Q R R L T K Y Q Q L L L K E L L L K H C C R E E R Q Q G
U n i R e f 9 0 _ X 1 Y N 2 1 M Q T F C C F Q L G D G M L I K P V V Q R I M K Y E L L L L K D D I L L K Y T T E E E P P G
U n i R e f 9 0 _ U P I 0 0 0 3 8 C 5 3 3 5 L Q R M I D I S L D G F L L K P V V Q K I M C K Y P L Q L A E L L L K Y T T H P H R D E
U n i R e f 9 0 _ F 1 K P S 0 N S L E H N Q N L Q S F L I K P V V Q R I M T R Y R L M L E Q L L L K N C K N N V I E E D
U n i R e f 9 0 _ U P I 0 0 0 3 C 0 3 8 D 7 Q Q R R Y R H F E A C R V L Q Q K I L C K Y P L Q L A E L L L K Y T A P E H S E A
U n i R e f 9 0 _ H 2 S Z G 0 M E L G D K M D L S S Y L L K P V V Q R R M S K Y A L L L K T D L M K E V S A S Q E A
U n i R e f 9 0 _ H 2 M D 4 5 E S L R H A L P L S S Y L L K P V V Q R R L K Y H L L L H E I A M K H M E A K D H E V
U n i R e f 9 0 _ K 1 R 8 V 1 A K L G D K M D L S S Y L L K P V V Q R R M G S K Y A L L L K Q D M L K E C P P E Y Q T E
U n i R e f 9 0 _ W 5 L 9 9 6 Q E L E D K M D L S S Y L L K P V V Q R R M S K Y S L L L Q Q D M L R E C C H E R T E
U n i R e f 9 0 _ U P I 0 0 0 3 D E C 2 D 2 M R G L I E I P L D G Y L L T P V V Q R R L C K Y P L Q L A E L L L K Y T K S S D H P D
U n i R e f 9 0 _ V 9 K 7 G 5 L Q L G D K M N L A S Y L L K P V V Q R M S K Y A L L L K D L L K E C P S E A Q E Q D
U n i R e f 9 0 _ W 5 M 0 B 2 L L H C M D I P L E G Y L L T P I Q R R M S K Y A L L L K D L L K R T P C K H A D E
U n i R e f 9 0 _ U P I 0 0 0 3 9 3 D D 2 8 L K L G D K M D L W S Y L L K P V V Q R R I M S K Y S L L L Q D M V R E C D P G E H S T D
U n i R e f 9 0 _ L 7 M 4 W 9 L Q Q M I D I S L D G F L L K P V V Q K I M K Y P L Q L A E L L L K Y T R K E K S T D
U n i R e f 9 0 _ Q 7 J N G 6 A K L G H K V A L C D L L I K P V V Q R I M K Y Q Q L L L K D I L L K F T E K D K D D
U n i R e f 9 0 _ F 1 K R 4 5 K H A G H P L P L S A Y L L K P V V Q R R I M T K Y Q Q L L L K E L L H R Y H C A E E R Q D
U n i R e f 9 0 _ E 9 J 0 5 9 Q K L G H K L P L A A Y L L K P V V Q R R I M T K Y Q Q L L L K D L L K Y S D E P S
U n i R e f 9 0 _ F 6 T L U 8 E T L K H H S L P L G S Y L L K P V V Q R R L T K Y H L L L H E I E N H L D K N N V I E E
U n i R e f 9 0 _ A 0 A 0 1 6 W 4 V 0 H G L E Q N N S L H S M R I K P V V Q R R C T R Y K L L L M E Q L L L K H C D N N V I E E
U n i R e f 9 0 _ I 3 J 0 U 8 Q E L G D M M D L S S Y L L K P V V Q R R I S K Y S L L L Q D M L S E R E R A E D
U n i R e f 9 0 _ U P I 0 0 0 2 9 D 7 F 2 B K K L D H K K L S L D S Y L L K P V V Q R R I T K Y Q Q L L L K E M L K Y S S E K E
U n i R e f 9 0 _ U P I 0 0 0 4 4 0 E D 1 3 K K K E H K L D L D S Y L L K P I Q R R L T K Y Q Q L L L K E M L R H S S P Y V A E
U n i R e f 9 0 _ E 9 I L Z 2 V A Q A C Q Q D P R T K G M K P M Q R I M T K Y P L Q L N K L L E Y T P D H P R D
U n i R e f 9 0 _ U P I 0 0 0 3 2 9 7 A 6 5 F E A C R L L Q K M I D I S T P V V Q K I C K Y P L Q L A E L L L K Y T N P
U n i R e f 9 0 _ G 9 N Q W 5 P V I A A D F N T L D G F L L K P V V Q R R L V K Y P L Q L K D L L A K K T P E T K D D
U n i R e f 9 0 _ U P I 0 0 0 3 F 0 E 0 2 9 Q A L G D K M D L A S Y L L K P V V Q R R M S K Y A L L L K D L L V K E A E E E L S Q D
U n i R e f 9 0 _ G 3 P B C 3 N Y R C K G M P L S S Y L L K P M Q R I T R Y P L L L K N I L E H T P D C H S G D
U n i R e f 9 0 _ U P I 0 0 0 4 4 1 7 5 0 A E P A V R N L D L S S Y L L V P M Q R M T R Y P L L L R Q I L H Y T D Q D Q S D
U n i R e f 9 0 _ T 1 E 1 Q 1 P R G Q H S F S L S S Y L L K P I Q R R I M T K Y P L L L K K H L T D P E H Q H
U n i R e f 9 0 _ U P I 0 0 0 4 4 4 9 B 2 6 H L K R L R D D P S A R N L V P M Q R I T R Y P L L L K Q I L H Y T E K D R I D
U n i R e f 9 0 _ U P I 0 0 0 3 9 4 1 8 1 3 A A L K R S L P L G S Y L L K P V V Q R R I M T K Y H L L L Q E L A K H D E E G Y E V
U n i R e f 9 0 _ L 8 H E Z 6 L Q E R E F T P E A K F L L M P V V Q R R I P R Y V L L K D F L K Y T P K R H P A D
U n i R e f 9 0 _ I 3 K K C 9 D Y R C K G M P L S S F L L K P M Q R I M T R Y P L L L K N I L E C T A E G H A D
U n i R e f 9 0 _ U P I 0 0 0 3 F 0 9 8 B B Q A L G D R L D L A S Y L L K P I Q R R M S K Y A L L L Q E L L A R A C G P E L S A
U n i R e f 9 0 _ W 3 V M 5 5 C Y L D P A Y E L P T F M L K P V V Q R I T C K Y P L L L E Q N L K K T P E N A P
U n i R e f 9 0 _ W 5 M I 7 7 F V K R L A M D P R C K G M K P M Q R I T R Y P L I I E Q N I L K N T P E N H P
U n i R e f 9 0 _ U P I 0 0 0 3 D F 7 2 7 C L E L G D K M D L A S Y L L K P V V Q R R M G K Y A L L L Q Q L V K A G T E G E A E
U n i R e f 9 0 _ D 2 V H P 8 V S K M D K D S R Q S Y L L L P I Q R R I P R Y R L L L Q D L I K Y S G P S H P D
U n i R e f 9 0 _ K 1 R G X 4 I Q K K C V Q N P K T K G M K P M Q R I T R Y P L L L M I Q Q L L K H T P E T H P D
U n i R e f 9 0 _ D 3 B F 4 2 I S D I I S M N L H S F L T K P V V Q R R I C K Y P L L L R E L L K A T P N D H L D
U n i R e f 9 0 _ F 2 U 0 Y 0 F L E G C R L L M P G F L L E P V V Q R V C C R Y P L L L K Q L V K Y T P E N H P D
U n i R e f 9 0 _ C 8 V V 4 3 Q K L G H R L D L S N G L I K P V V Q R R I T K Y E L L L K E I I K A T E K E V P P
U n i R e f 9 0 _ U P I 0 0 0 3 4 F 4 4 C 2 P K Q Q H S S T L S S Y L L K P I Q R R I M T K Y P L L L Q Q L R N L T D E E H L H
U n i R e f 9 0 _ F 1 R 0 Z 9 F Y A R C K G M P L S S F L L K P M Q R I T R Y P L L L K H I K H I L E N T P E S H V D
U n i R e f 9 0 _ I 7 G N T 3 F E A C R R L Q Q M I D I A I P V V Q K L C K Y P L Q L A E L L L K Y T A Q D H S D
U n i R e f 9 0 _ I 7 K U 8 9 M Q L Q D K L D L A S Y L L K P V V Q R R M G K Y A L L L Q Q L V K A C K A D V I E E
U n i R e f 9 0 _ S 4 A A J 3 L V K C Q E A N P A C R N L M P V V Q R I P R Y K L L L G D Y L K K T D P D R A D
U n i R e f 9 0 _ F 6 U S 2 6 G R K N T D V P L E G Y L V A P I Q R R I M K Y P L L L R E L L K R T P K K H S D
U n i R e f 9 0 _ U P I 0 0 0 3 4 4 3 2 4 0 Q Q L G H R L Q L S D L L I K P V V Q R R I M K Y Q Q L L L K D F L L K Y Y S R A G M D
U n i R e f 9 0 _ H 2 L X Q 6 F E A C R R L Q Q M I D I S I T V F Q K I C K Y P L Q L G E L L L K Y T P K E H S D
U n i R e f 9 0 _ V 5 H J 4 9 D P L C R R L Q L K D M V A T V F Q R L T K Y P L L L E N V A K K T S E E H A R D
U n i R e f 9 0 _ W 5 U 5 D 1 G R K N T E V P L E G Y L V A P I Q R R I C K Y P L L L R E L L K R T P K K H N D
U n i R e f 9 0 _ D 3 B R K 0 E S V N N F E V I Q D Y L I M P I Q R R I P R Y R L L L K E V L K Y T P N T H P D
U n i R e f 9 0 _ U P I 0 0 0 3 F 1 3 A 4 2 A Q L R H S L P L Q S Y L L K P V V Q R R L K Y H L L L K E L L G K H W A E D R E L
U n i R e f 9 0 _ U P I 0 0 0 4 5 5 E B 5 2 E P S A R N L D L S S Y L L V P M Q R M T R Y P L L L R Q V L Q Y T E E D K A D
U n i R e f 9 0 _ H 9 G T 3 7 R E N K E K Q A L S D L M I K P V V Q R R I P R Y E L L V K D E L K H T E E H P D
U n i R e f 9 0 _ U P I 0 0 0 4 6 2 6 1 0 9 E Q I R H S L P L S Y L L K P V V Q R R I M T K Y H L L L Q E I A K H T E D G Y E V
U n i R e f 9 0 _ M 5 G A J 2 H L D Q L R I D P S S Y L L E P M Q R R L T R Y P L L L R Q V L H Y T E V D A P A
U n i R e f 9 0 _ K 7 F F B 2 H L P M A F L M A G H V Q K P V V Q R P K X R Y P L L M K S I L E N T P E D H P D
U n i R e f 9 0 _ F 0 Z X 3 6 K K S K V T A D I N S L L I M P V V Q R R V P R Y E L L L R E I L K Y T N E D H I E
U n i R e f 9 0 _ U P I 0 0 0 4 4 4 1 7 E A A S L K H S L P L G S Y L L K P V V Q R R I L K Y H L L L Q E I A K H F G P G Y D V
U n i R e f 9 0 _ U P I 0 0 0 4 5 4 7 8 4 0 E L L Q H S L P L G S Y L L K P V V Q R R I L K Y H L L L Q E I A K H F E E G L E V
U n i R e f 9 0 _ D 6 V 6 9 7 R K L G H K L P L A A Y L L K P V V Q R R I T K Y Q Q L L L K D L L R Y S E E G K C
U n i R e f 9 0 _ L 8 G Q B 3 F L M Y S Q N R K Q C F L I M P V V Q R R I P R Y V M L L S D L V K H T H P S H P D

QUERY	170	180
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UniRef90_B3RRW8	I K A S V E V M L S V P R R A N D A M H A G L L	
UniRef90_Q9CWR0	L E Q A V E V M C F V P K R C C N D M M S L G R L	
UniRef90_I3KSC5	L R Q A V E V M C F V P K R C C N D M M N V G R L	
UniRef90_V9KA25	L E E A L E T M I S I I K S V N D S M H Q I A I	
UniRef90_H3DC83	L E K A V E V M C F V P K R C C N D M M N V G R L	
UniRef90_A0NEN5	L K E A M H I M Q V V P K A A N D M M D V G R L	
UniRef90_I3M6H3	L K D G L E V M L S V P K K A N D A M H V S M L	
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UniRef90_M4AG15	L Q G A L T A M L D L L K S V N D S M H Q I A I	
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UniRef90_B7Q626	L K A A E E M V R F Q L R H G N D L L G M D A L	
UniRef90_V8PCC0	Y K A A Y E A M K N V A C L I N E R K R R	
UniRef90_T2MIH6	L Q L G L D V M L N V P R R A N D A M Y L C M I	
UniRef90_H3CLF3	L Q E A L D S M L E L L K S V N D S M H Q I A I	
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UniRef90_W5M0B2	H E Q A L Q A M K T V C S D I N E T K R Q	
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UniRef90_F1KR45	V E A A L S S M L D L L A Q L N S A M H Q	
UniRef90_E9J059	L Q E A L D C M L V V L K C V N D S M H Q T A I	
UniRef90_F6TLU8	Y D D A I D T M Q R V A W H I N D M K R	
UniRef90_A0A016W4V0	I R E A Y D V V K S L P R R V N D I I H F N G L	
UniRef90_I3J0U8	I Q A A A D L I R F Q M R H G N D L L T M D A I	
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UniRef90_UPI000440ED13	L Q G A L N T M L D L L K S V N D S M H Q I A I	
UniRef90_E9ILZ2	L Q E A L A K S E E F C T Q V N E G V R	
UniRef90_UPI0003297A65	Y K D A L N A M K N V A R L I N E R K R R	
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UniRef90_G3PBC3	L R E A L Q R A E E L C S Q V N E G V R	
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UniRef90_T1E1Q1	L A E A L K G M E R V A E H I N E M Q R I	
UniRef90_UPI0004449B26	T Q N A L T T A E G I L S H I N E A I R	
UniRef90_UPI0003941813	I Q E A I D T M T G V A W Y I N D M K R	
UniRef90_L8HEZ6	Y A D A L A E F Q E V A V H V N D S M R R A	
UniRef90_I3KKC9	L K E A L E R A E E L C Q Q V N E G V R	
UniRef90_UPI0003F098BB	L Q A A Q S L V R F Q L R H G N D L L A M D A I	
UniRef90_W3VM55	L Q D G L E V M R R I T D K V N E T S R L	
UniRef90_W5MI77	L K Q A Q E K A E E L C S Q V N E G V R	
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C R A F V D N Y E I A V E T A E K C C Q A N S Q F A E Y S E N L K V R S T K D S
G D V L L A H F S K Q S M I E T Y I A F V D N S Q A R Q K H A F E K Y Y S R C C
A D V M Y F R Q Y F C S D A Y A T F C S G Q Q R A L K L Y N Q Q M K G N Q A F A D
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UniRef90_B8MCJ0	A	D	L	T
UniRef90_F8P2V3	F	V	D	Q
UniRef90_G3Q6F0	R	P	E	F
UniRef90_U3JX62	V	V	I	Q
UniRef90_B3M4Z4	S	R	P	E
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UniRef90_Q54P81	L	P	E	V
UniRef90_L8GMV7	S	S	Y	N
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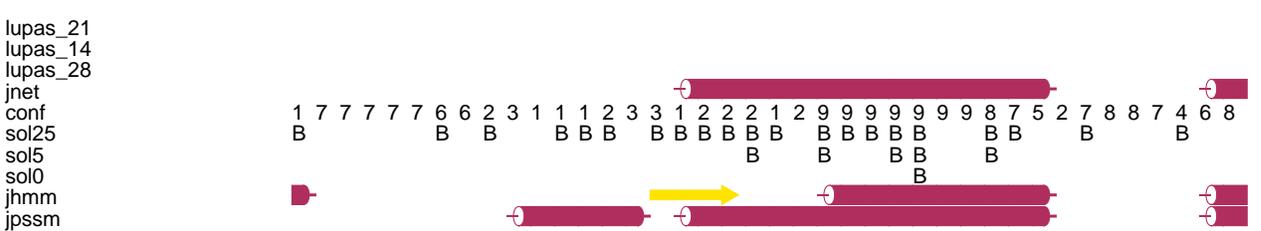
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