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U P I 0 0 0 3 4 8 5 0 4 A T V I R E L R L A C P L F C D V I T W H P G G G D S T S M T T I A S A R A L N Y C G
U P I 0 0 0 4 0 4 1 B D 2 A R A I V R E R L E L P L D P P A F F V S I T T Y G A G G G S S T N A A E L T T L S S L I A N K M Q A T E T T C
R A I V R E R L E L P L D P P A F F V S I T T Y G A G G G S S T N A A E L T T L S S L I A N K M Q A T E T T C
U P I 0 0 0 3 7 8 E 9 F C A R A I V R E R L E L P L D P P A F F V S I T T Y G A G G G S S T N A A E L T T L S S L I A N K M Q A T E T T C
E 9 H J T 0 D T I D E L R V S K L S P P D F F I S I V I T T Y G A G G G S S T N A A E L T T L S S L I A N K M Q A T E T T C
U P I 0 0 0 4 0 4 1 B D 2 A R A I V R E R L E L P L D P P A F F V S I T T Y G A G G G S S T N A A E L T T L S S L I A N K M Q A T E T T C
R 7 X V N 6 D T I D E L R V S K L S P P D F F I S I V I T T Y G A G G G S S T N A A E L T T L S S L I A N K M Q A T E T T C
E 3 H D J 7 A R V I A R D L S S L G P P A F F V S I T T W G A G G G S S T N A A E L T T L S S L I A N K M Q A T E T T C
S 7 Q E M 1 A T I A D L S P P F D F F V S I T T Y G A G G G S S T N A A E L T T L S S L I A N K M Q A T E T T C
U P I 0 0 0 3 C 7 F C 5 4 D V V E T L L A P L Q P P T F F V S I T T Y G A G G G S S T N A A E L T T L S S L I A N K M Q A T E T T C
Q 2 G 3 D 0 A S I L E K R L A P L N P P R F F V S I T T Y G A G G G S S T N A A E L T T L S S L I A N K M Q A T E T T C
X 5 M C 1 1 N A L R R R V L E A V A P P D F F V S I T T Y G A G G G S S T N A A E L T T L S S L I A N K M Q A T E T T C
F 3 N R H 0 K A V L R R E L L E G L D P P A F F V S I T T Y G A G G G S S T N A A E L T T L S S L I A N K M Q A T E T T C
W 7 1 P Y 1 Q D E L K K L L V F N P S D F F I S I V I T T Y G A G G G S S T N A A E L T T L S S L I A N K M Q A T E T T C
R 6 P F I 2 U P I 0 0 0 3 7 8 E 9 F C Q V L K Q L Q P L S K P D F F V S I T T Y G A G G G S S T N A A E L T T L S S L I A N K M Q A T E T T C
J 9 D V 7 1 Q S S I L R L Q L S S L K P K F F V S I T T Q G G V N P E D C Q F F R T Y H N V T V A R M I V S E R E T T E
C 5 W D M 7 S S I L R R I L E P L A P P S F F V S I T T Y G A G G G S S T N A A E L T T L S S L I A N K M Q A T E T T C
U P I 0 0 0 3 5 D 4 6 3 6 D A I R R I L E P L A P P S F F V S I T T Y G A G G G S S T N A A E L T T L S S L I A N K M Q A T E T T C
U P I 0 0 0 3 5 D 9 7 E C A T I L R E L R L A K P P D F F V S I T T Y G A G G G S S T N A A E L T T L S S L I A N K M Q A T E T T C
I 0 I E 4 4 L T I L Q R L E L Q A L K P P D F F V S I T T Y G A G G G S S T N A A E L T T L S S L I A N K M Q A T E T T C
U P I 0 0 0 3 0 4 7 C 4 E N A V R A L L E P Y R P P T F F V S I T T Y G A G G G S S T N A A E L T T L S S L I A N K M Q A T E T T C
E 9 V 1 K 6 S T I L D G L A P L K P P D F F V S I T T F G A G G G S S T N A A E L T T L S S L I A N K M Q A T E T T C
E 9 S 7 Z 4 A A R A Q M A L L K P P K F F S V T F G A G G G S S T N A A E L T T L S S L I A N K M Q A T E T T C
A 0 A 0 1 1 N H S 8 S A T D E L T A S K L N P S Y F S V T F G A G G G S S T N A A E L T T L S S L I A N K M Q A T E T T C
D 4 M 5 K 9 A D R I E R M R S R L N G P D F F S V T F W N A G G G R T S E L T S S L V K T C Q Q G T L G
G 4 S U H 3 U P I 0 0 0 4 5 5 F 4 A 9 S A T E Q T A K L A P A F F I S I V I T T Y G A G G G S S T N A A E L T T L S S L I A N K M Q A T E T T C
U P I 0 0 0 4 5 5 F 4 A 9 E C V L R T Q L E P L M A P S H F F V S I T T Y G A G G G S S T N A A E L T T L S S L I A N K M Q A T E T T C
S 2 Y P P 3 E A I L T R Q L A P L E S P S F F V S I T T Y G A G G G S S T N A A E L T T L S S L I A N K M Q A T E T T C
U P I 0 0 0 3 8 2 3 7 F 0 V T R T R L R L A E L S P S K Y F S I T F G A G G G S S T N A A E L T T L S S L I A N K M Q A T E T T C
U 2 Y J T 0 S A L E A L M Q D L P P S F F V S I T T F G A G G G S S T N A A E L T T L S S L I A N K M Q A T E T T C
C 3 X 5 P 9 D T L E E A L Q D L H P P D F F I S I V I T T F G A G G G S S T N A A E L T T L S S L I A N K M Q A T E T T C
D 5 M F 9 5 D C I E E E L Q A L K P P D F F I S I V I T T Y G A G G G S S T N A A E L T T L S S L I A N K M Q A T E T T C
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N 2 J A H 6 E T L Y E L Q D L R P P D F F I S I V I T T Y G A G G G S S T N A A E L T T L S S L I A N K M Q A T E T T C
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D 5 X 3 Y 1 D T L D A L R D I E P D F F I S I V I T T Y G A G G G S S T N A A E L T T L S S L I A N K M Q A T E T T C
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U P I 0 0 0 4 5 7 4 C 4 3 D V R D R L A V I D P P T F F S V T Y G A G G G S T R S K R T F N T V A N S S S G G
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S 0 F J G 6 V A R Q K L Y A V R P P D F F C U P I 0 0 0 4 7 D 1 9 8 D L V L D S L A G L Q P P D F F I S I V I T T Y G A G G G S K S K K T V E I A S Y I Q N N L K
C 6 W 7 2 9 Q T L S N L M P L G S P S Y V S V T F G A G G G S T R D R T H D L V V R I K E Q T N G
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U P I 0 0 0 3 6 0 0 D 4 9 E A I R R I L E A L A P P T F F V S I T T Y G A G G G S S T R D R T R N V V K R I A E E E T T
D 0 C V Y 1 D T V Q T L A P L G P P R F F V S I T T Y G A G G G S T T R E L T R D A V A T L H K A S S G
U P I 0 0 0 4 6 6 D 7 C 6 H T I D E L R S K L N P P D F F I S I T T Y G A G G G S T T R N T V E I A S K L K K D Y H
U P I 0 0 0 2 6 2 C E 5 E K T V E R L A P L N P P E F F V S I T T Y G A G G G S T T R E R T H Q V I E S L L T K T N
W 9 H 0 0 6 Q A V H K L A P L Q P P E F F V S I T T Y G A G G G S T T R E R T H A T V C L Q K E T G
W 7 T S L 1 M R I L D R L A S L E P L Y I S I T W G A G G G S T A G E N T L A I A A T A Q R Y L G
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L E T C M H L T T T D M P G E A K V E W D A L Q R A R A Q A S Q F A G G C C Q N N I L L A L R R G G D D P P P
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L E T P M A H L T T T C C V G T H S V I G D S E L R N Q Q V V E Q Q A Y A S Q F A G G I V I L L A L R R G G D D P P P
I E S I A H L T T T C C V G T H S V I G D S E L R N Q Q V V E Q Q A Y A S Q F A G G I V I L L A L R R G G D D P P P
L R V A A H L T T T C C V G T H S V I G D S E L R N Q Q V V E Q Q A Y A S Q F A G G I V I L L A L R R G G D D P P P
L E S M A H L T T T C C V G T H S V I G D S E L R N Q Q V V E Q Q A Y A S Q F A G G I V I L L A L R R G G D D P P P
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L T P V A H L T T T G V N G H S R A E E L R N V V G W Y A A A V G V V H H V L L A V R R G G D D P P P
V E V L A H L T T T C C G A D K V E I D G E L L D E L K E A N G G V I A N N I L L A L R R G G D D P P P
L D T L L H L T T T N M T G G D E V A D A L R R A A K S E R S G V V Q N N I L L A L R R G G D D P P P
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L K P A A H L T T T A V E A T R E E E L D G N I I G Q Y A W D A G I R R H I V A L R R G G D D P P P
L T P V A H L T T T A V V D H S V R K E E L R N V I G W Y A A A H G I V R N N I L L A V R R G G D D P P P
L V P M A H L T T T A V V D H S V R K E E L R N V I G W Y A A A H G I V R N N I L L A V R R G G D D P P P
V S P A P H F T T T C C V G S T S T K E N I V K N Y L K T L K S L M G I V K N S R F V L L A L R R G G D D M P E
V P A A A H L T T T C C V G S T S T K E N I V K N Y L K T L K S L M G I V K N S R F V L L A L R R G G D D M P E
I P T V A H L T T T T V N G A T K E Y L T E V L M Q Y K N S G I K S I L A L R R G G D D P G A
L E V A P H L T T T T V N G A T K E Y L T E V L M Q Y K N S G I K S I L A L R R G G D D P G A
L K P A A H L T T T C C V I D A N T C E E E L H M I A Q K S Y W S N G V R R H I V A L R R G G D D N A Q
L R P V A H L T T T A I V G Q S T A E E L R R V I G Q Y A Q A G V R R D V L A L R R G G D D P P P
L E T I S H L T T T C C C H T R E E L E A S I L E G D R Y A A A D S G V E S N I L L A L R R G G D D P P P
L T P V A H L T T T C C V G H T R D E V L A A L L D S Y A A Q A G V V A H V M A L R R G G D D P A D
L E P V A H L T T T A S I N L G S T R A S V L F S E L L A Q Q M R A A A G I E N I L A L R R G G H E D
H R A A P H L T T T C C C I N L G S T R A S V L F S E L L A Q Q M R A A A G I E N I L A L R R G G D D I P P
V M S L A H L T T T A S S T S K E N I V G E V I E N L K A S H G I L E N I L A L R R G G D D I P P
V A A A H L T T T V A S T H E N I R E L L H G Y R A S N G I K K N I L A L R R G G D D I P P
I E T C M H L T T T C C V I N M P M E K V D I A L R E A K E H G G C K N I L A L R R G G D D P P P
V T S L A H L T T T A S S T S K E E V L S I V V D R L R A E G I E N I L A L R R G G D D I P P
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L V P A A H L T T T C C V G A S P R K E E I A E I A D Q Y W E A G V R R H I V A L R R G G D D P P P
Y E A A P H V T T T C C C I G S T R E T V R E R L N K Y R S C G I R R H I V A L R R G G D D P P P
V T T V A H R T T T C C C V I G S T R E T V R E R L N K Y R S C G I R R H I V A L R R G G D D P P P
V L P M A H L T T P C C C I H Y N K A G Q I R Q Q W L K E A T D L G I E N I L A L R R G G D D R V
I P A L G H L T T T C C V G A T A E T I Q A L L H E F A E A H G I E N I L A L R R G G D D P P P
L E T C M H L T T T C C I G M A T P R A E K V R D T A L K E A K E F G C Q R R I V A L R R G G D D P P P
L V T A P H L T T T C C C I G M A T P R A E K V R D T A L K E A K E F G C Q R R I V A L R R G G D D P P P
L V P M A H L T T T A V V D H S V S Q V L R N V I G H F A A A V G V V H N I L L A L R R G G D D P P P
V E P L A H L T T T C C A S T R E H V H Q V L G K L K K S G I S N V I F A L R R G G D D I P P
L N V M M H L T T T C C V I A S T R E G V I N I L K E L K K S G I S N V I F A L R R G G D D I P P
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I E T C M H L T T T C C C I N M P K E K V D I A L R E A K Q H G C R N I L A L R R G G D D P P P
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V T V V P H Q C C C I G A A T R D D E V A M I L A E Y A Q N G I R E N I V A L R R G G D D P P P
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I E P L A H L T T S C C I N S T K E H I G R V L D D L R E E N D I E N I L A L R R G G Q T D
I E S V A H L T T S C C I N S T K E A L L E L I R E F E Q Q I K N I L A L R R G G D I N
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L N V A P H L T T C C V G G T R A E L A E L D A Y R S A G Y R R I V A L R R G G D L P P P
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UniRef90_C3X5P9	F	V	R	K
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Q C M R R L A P L S P S F F S V V T Y G A G G S T T R K A P T T Y G A G G S T T R D R T T L E T V L T E I Q R S G G
T R I D R M R L D P L F F S V V T W G A G G S T T R K A P T T Y G A G G S T T R D R T T L E T V L T E I Q R S G G
K A T N E V R A L K P D F F S V V T Y G A G G S T T R K A P T T Y G A G G S T T R D R T T L E T V L T E I Q R S G G
R A A K Q M L A I Q P R Y V S V V T F F G A G G S T T R K A P T T Y G A G G S T T R D R T T L E T V L T E I Q R S G G
S T L N E L K N L N P D F F S V V T Y G A G G S T T R K A P T T Y G A G G S T T R D R T T L E T V L T E I Q R S G G
G L M A G L A P L N P A F F S V V T Y G A G G S T T R K A P T T Y G A G G S T T R D R T T L E T V L T E I Q R S G G
S S I D E L A K L Q P D F F S V V T Y G A G G S T T R K A P T T Y G A G G S T T R D R T T L E T V L T E I Q R S G G
A T Q K L L V K N P A F F S V V T F F G A G G S T T R K A P T T Y G A G G S T T R D R T T L E T V L T E I Q R S G G
Q S V R A I A A L H P D F F S V V T Y G A G G S T T R K A P T T Y G A G G S T T R D R T T L E T V L T E I Q R S G G
R S A K Q L Q A L Q P G Y V S V V T F F G A G G S T T R K A P T T Y G A G G S T T R D R T T L E T V L T E I Q R S G G
Q V I D K L K L T P K F F S V V T H G A G G S T T R K A P T T Y G A G G S T T R D R T T L E T V L T E I Q R S G G
Q V V D R L A Q L K P L F A S V V T Y G A G G S T T R K A P T T Y G A G G S T T R D R T T L E T V L T E I Q R S G G
Q A V E Q L A Q V D P L F V S V V T Y G A G G S T T R K A P T T Y G A G G S T T R D R T T L E T V L T E I Q R S G G

	90	100	110	120																																										
UniRef90_G3IHM4	L	E	T	V	L	H	V	T	C	C	Q	S	T	S	R	Q	E	E	I	I	T	G	H	L	H	K	A	K	Q	L	G	L	110	I	M	A	L	R	G	G	D	D	P	V		
UniRef90_Q0A6D1	L	E	A	A	P	H	I	S	T	C	C	G	S	T	S	R	Q	E	E	I	I	T	G	H	L	H	K	A	K	Q	L	G	L	110	I	M	A	L	R	G	G	D	D	P	V	
UniRef90_C6X8F9	F	E	A	A	P	H	I	S	T	C	C	G	S	T	S	R	Q	E	E	I	I	T	G	H	L	H	K	A	K	Q	L	G	L	110	I	M	A	L	R	G	G	D	D	P	V	
UniRef90_AA0A21WX92	L	P	A	A	S	H	L	T	C	C	C	G	S	T	S	R	Q	E	E	I	I	T	G	H	L	H	K	A	K	Q	L	G	L	110	I	M	A	L	R	G	G	D	D	P	V	
UniRef90_K2DAH0	L	I	Q	P	L	P	H	F	T	C	C	C	G	S	T	S	R	Q	E	E	I	I	T	G	H	L	H	K	A	K	Q	L	G	L	110	I	M	A	L	R	G	G	D	D	P	V
UniRef90_I4YIV3	V	E	T	C	M	H	L	T	C	C	C	G	S	T	S	R	Q	E	E	I	I	T	G	H	L	H	K	A	K	Q	L	G	L	110	I	M	A	L	R	G	G	D	D	P	V	
UniRef90_UPI0003B49EE8	L	A	A	A	P	H	L	T	C	C	C	G	S	T	S	R	Q	E	E	I	I	T	G	H	L	H	K	A	K	Q	L	G	L	110	I	M	A	L	R	G	G	D	D	P	V	
UniRef90_R4KG82	L	E	A	L	A	H	L	T	C	C	C	G	S	T	S	R	Q	E	E	I	I	T	G	H	L	H	K	A	K	Q	L	G	L	110	I	M	A	L	R	G	G	D	D	P	V	
UniRef90_UPI0004621A0C	M	E	T	C	M	H	L	T	C	C	C	G	S	T	S	R	Q	E	E	I	I	T	G	H	L	H	K	A	K	Q	L	G	L	110	I	M	A	L	R	G	G	D	D	P	V	
UniRef90_L0RDD1	L	E	P	I	A	H	L	T	C	C	C	G	S	T	S	R	Q	E	E	I	I	T	G	H	L	H	K	A	K	Q	L	G	L	110	I	M	A	L	R	G	G	D	D	P	V	
UniRef90_Q83X56	L	R	P	V	A	H	L	T	C	C	C	G	S	T	S	R	Q	E	E	I	I	T	G	H	L	H	K	A	K	Q	L	G	L	110	I	M	A	L	R	G	G	D	D	P	V	
UniRef90_UPI00034C7953	L	I	T	T	A	P	H	L	T	C	C	C	G	S	T	S	R	Q	E	E	I	I	T	G	H	L	H	K	A	K	Q	L	G	L	110	I	M	A	L	R	G	G	D	D	P	V
UniRef90_D5AMW6	L	N	V	A	A	H	L	T	C	C	C	G	S	T	S	R	Q	E	E	I	I	T	G	H	L	H	K	A	K	Q	L	G	L	110	I	M	A	L	R	G	G	D	D	P	V	
UniRef90_Q169G2	L	P	V	A	A	H	L	T	C	C	C	G	S	T	S	R	Q	E	E	I	I	T	G	H	L	H	K	A	K	Q	L	G	L	110	I	M	A	L	R	G	G	D	D	P	V	
UniRef90_UPI00039B12AC	L	V	P	M	A	H	L	T	C	C	C	G	S	T	S	R	Q	E	E	I	I	T	G	H	L	H	K	A	K	Q	L	G	L	110	I	M	A	L	R	G	G	D	D	P	V	
UniRef90_U4Q5R6	L	A	T	A	A	H	L	T	C	C	C	G	S	T	S	R	Q	E	E	I	I	T	G	H	L	H	K	A	K	Q	L	G	L	110	I	M	A	L	R	G	G	D	D	P	V	
UniRef90_M5ED31	L	E	T	C	M	H	L	T	C	C	C	G	S	T	S	R	Q	E	E	I	I	T	G	H	L	H	K	A	K	Q	L	G	L	110	I	M	A	L	R	G	G	D	D	P	V	
UniRef90_C5EGI3	I	E	S	V	A	H	L	T	C	C	C	G	S	T	S	R	Q	E	E	I	I	T	G	H	L	H	K	A	K	Q	L	G	L	110	I	M	A	L	R	G	G	D	D	P	V	
UniRef90_R5HAZ5	L	P	A	V	A	H	M	T	C	C	C	G	S	T	S	R	Q	E	E	I	I	T	G	H	L	H	K	A	K	Q	L	G	L	110	I	M	A	L	R	G	G	D	D	P	V	
UniRef90_D7B1U2	L	L	P	V	A	H	M	T	C	C	C	G	S	T	S	R	Q	E	E	I	I	T	G	H	L	H	K	A	K	Q	L	G	L	110	I	M	A	L	R	G	G	D	D	P	V	
UniRef90_H4FBW2	M	P	T	A	S	H	L	T	C	C	C	G	S	T	S	R	Q	E	E	I	I	T	G	H	L	H	K	A	K	Q	L	G	L	110	I	M	A	L	R	G	G	D	D	P	V	
UniRef90_A1BH63	L	T	V	V	S	H	L	T	C	C	C	G	S	T	S	R	Q	E	E	I	I	T	G	H	L	H	K	A	K	Q	L	G	L	110	I	M	A	L	R	G	G	D	D	P	V	
UniRef90_UPI00047B4A46	L	K	A	A	P	H	L	T	C	C	C	G	S	T	S	R	Q	E	E	I	I	T	G	H	L	H	K	A	K	Q	L	G	L	110	I	M	A	L	R	G	G	D	D	P	V	
UniRef90_C8XCS7	L	L	P	V	A	H	L	T	C	C	C	G	S	T	S	R	Q	E	E	I	I	T	G	H	L	H	K	A	K	Q	L	G	L	110	I	M	A	L	R	G	G	D	D	P	V	
UniRef90_W0P269	V	I	T	A	P	H	L	T	C	C	C	G	S	T	S	R	Q	E	E	I	I	T	G	H	L	H	K	A	K	Q	L	G	L	110	I	M	A	L	R	G	G	D	D	P	V	
UniRef90_UPI0004632B04	L	L	P	V	A	H	L	T	C	C	C	G	S	T	S	R	Q	E	E	I	I	T	G	H	L	H	K	A	K	Q	L	G	L	110	I	M	A	L	R	G	G	D	D	P	V	
UniRef90_G9PTS1	I	P	A	L	A	H	L	T	C	C	C	G	S	T	S	R	Q	E	E	I	I	T	G	H	L	H	K	A	K	Q	L	G	L	110	I	M	A	L	R	G	G	D	D	P	V	
UniRef90_UPI00047EBAF2	V	I	S	M	A	H	Y	T	C	C	C	G	S	T	S	R	Q	E	E	I	I	T	G	H	L	H	K	A	K	Q	L	G	L	110	I	M	A	L	R	G	G	D	D	P	V	
UniRef90_UPI00037BBD6E	L	K	P	A	A	H	L	T	C	C	C	G	S	T	S	R	Q	E	E	I	I	T	G	H	L	H	K	A	K	Q	L	G	L	110	I	M	A	L	R	G	G	D	D	P	V	
UniRef90_UPI00047A69C8	V	S	A	A	S	H	F	S	T	C	C	C	G	S	T	S	R	Q	E	E	I	I	T	G	H	L	H	K	A	K	Q	L	G	L	110	I	M	A	L	R	G	G	D	D	P	V
UniRef90_Q31EK9	F	D	A	A	P	H	L	T	C	C	C	G	S	T	S	R	Q	E	E	I	I	T	G	H	L	H	K	A	K	Q	L	G	L	110	I	M	A	L	R	G	G	D	D	P	V	
UniRef90_UPI000429F467	L	E	A	V	A	H	L	T	C	C	C	G	S	T	S	R	Q	E	E	I	I	T	G	H	L	H	K	A	K	Q	L	G	L	110	I	M	A	L	R	G	G	D	D	P	V	
UniRef90_UPI000464D609	T	L	P	M	L	H	L	T	C	C	C	G	S	T	S	R	Q	E	E	I	I	T	G	H	L	H	K	A	K	Q	L	G	L	110	I	M	A	L	R	G	G	D	D	P	V	
UniRef90_B9R5L3	L	A	P	A	A	H	L	T	C	C	C	G	S	T	S	R	Q	E	E	I	I	T	G	H	L	H	K	A	K	Q	L	G	L	110	I	M	A	L	R	G	G	D	D	P	V	
UniRef90_W8X8E9	V	D	V	A	P	H	L	T	C	C	C	G	S	T	S	R	Q	E	E	I	I	T	G	H	L	H	K	A	K	Q	L	G	L	110	I	M	A	L	R	G	G	D	D	P	V	
UniRef90_C3WBE8	I	E	A	L	A	H	L	T	C	C	C	G	S	T	S	R	Q	E	E	I	I	T	G	H	L	H	K	A	K	Q	L	G	L	110	I	M	A	L	R	G	G	D	D	P	V	
UniRef90_J3D5D5	V	A	A	A	C	H	F	S	T	C	C	C	G	S	T	S	R	Q	E	E	I	I	T	G	H	L	H	K	A	K	Q	L	G	L	110	I	M	A	L	R	G	G	D	D	P	V
UniRef90_UPI00047D3A24	V	N	V	M	A	H	L	T	C	C	C	G	S	T	S	R	Q	E	E	I	I	T	G	H	L	H	K	A	K	Q	L	G	L	110	I	M	A	L	R	G	G	D	D	P	V	
UniRef90_E9T6J1	L	L	P	V	A	H	L	T	C	C	C	G	S	T	S	R	Q	E	E	I	I	T	G	H	L	H	K	A	K	Q	L	G	L	110	I	M	A	L	R	G	G	D	D	P	V	
UniRef90_R5YF19	I	P	A	I	A	H	L	T	C	C	C	G	S	T	S	R	Q	E	E	I	I	T	G	H	L	H	K	A	K	Q	L	G	L	110	I	M	A	L	R	G	G	D	D	P	V	
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UniRef90_G2NGI5	L	R	P	V	A	H	L	T	C	C	C	G	S	T	S	R	Q	E	E	I	I	T	G	H	L	H	K	A	K	Q	L	G	L	110	I	M	A	L	R	G	G	D	D	P	V	
UniRef90_Q8KA62	I	T	T	A	P	H	L	T	C	C	C	G	S	T	S	R	Q	E	E	I	I	T	G	H	L	H	K	A	K	Q	L	G	L	110	I	M	A	L	R	G	G	D	D	P	V	
UniRef90_J6HQJ6	V	C	A	L	A	H	L	T	C	C	C	G	S	T	S	R	Q	E	E	I	I	T	G	H	L	H	K	A	K	Q	L	G	L	110	I	M	A	L	R	G	G	D	D	P	V	
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UniRef90_T1EFD8	I	D	T	M	M	H	L	T	C	C	C	G	S	T	S	R	Q	E	E	I	I	T	G	H	L	H	K	A	K	Q	L	G	L	110	I	M	A	L	R	G	G	D	D	P	V	
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UniRef90_R9N2H2	V	E	P	V	H	L	T	C	C	C	G	S	T	S	R	Q	E	E	I	I	T	G	H	L	H	K	A	K	Q	L	G	L	110	I	M	A	L									

UniRef90_G3IHM4 G D H A T D L V K H I R S E E T G F F D I C V A G Y P K G H P E A S F E A D D L K H
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U N I R E F 9 0 _ R 7 J A V 1 E R A A R L A A L K P L F A S V T T Y G A G G T S H D N S L E I C S L L K K D M G
U N I R E F 9 0 _ C 6 B Z 5 6 D V V D M L A P Y N P P W I D V T T Y S H P S G A F Y A N G T S R E L I G I C A S I Q N R F K
U N I R E F 9 0 _ H 5 T C E 3 R T V A A L A E A P D F F S V T T Y G A S G S T R A T S R E L I E V I J A R T S
U N I R E F 9 0 _ U P I 0 0 0 3 B 2 E 8 0 E K E L E C L E K Y K P A L V S L T W G A S G N N N S S F E L I K R L N E K Y N
U N I R E F 9 0 _ R 5 H 5 U 9 R L L A T L N A Y K P D Y I S V T T S S A G S H W L E G R S R I S R I S R E T S
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UniRef90_L8K2T8	V D T V P H L L C G G G F T K E E T E N A L	I D L Q F L G I V D N V L A L A L R G G D D P P P		
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H K Y A N E L L K Q V S R K T D F C I G V A G Y P E K G H H P E S P N G V L K T T D D L I K Y
F K H A S D L V R Q I K N T P D I C C I G G A C Y P E E G H H P E S P N G V L K T T D D L I K Y
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R G M C S D L V S F M R A F P E F C C V G V A G Y P D Q C H P P Q S P T V A E D L L A W
Y N Y A K E L V A Q L I Q N L N D F C C I G V A G Y P E G H H L E A P S S L Q T E D L K R
Y Q Y A C Q L I K E L K E K G D F C I G A C Y P E E G H H V E A P S S I K E D L I Q H
D E P M S D L V K F I K D Y D D F E V L G A C Y P D I H H P E S V N R V S D F H Y
P Q G H A H A V D L V R Q L A D M N I G V A G Y P E V H H A E A R D I T S D L A R F
H A Y A S E L L E Q V V D L N D F C I G V A G Y P E K H H I T A P N I T S D L A R F
K H E Y E H A I E L E E Q V N R F N E G Y A G Y P E K H H D E S P N P E E D M K W
F R H A E D L V T Y I K Q E H H F C I L I G A G Y P D G H H S E G S G S E E Q L T H
F R Y A T D L V I F Y I R Q E H H F E L I G A C Y P E K H H P D E S P N Q L S D I Q Y
G F Q K N D L V K Q V D A M N D F C V G V G G Y P E K H H F E A P N Q L S D I Q Y
P Q H A D E L I S L I R Q L A V G V A C Y A T R H P E S P N K S E D D F D V A
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P G G H A H A I E L C R Q V N D F N E G K A G Y P E K H H D E A M N L D R D I E H
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F L H A T D L I K I L S R D F P N F C I G G A A Y P E G H H Q E A S Y A G Q Q D I E
A D Q P T E L I H L I R T V E R R T L A V A A Y P A G N H E A A T T P D D S V V E R Y
Q R D K F D L I N Q V I K H G N D F C V G V A G Y P E T H H C E E Q S P L R D L P F
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G D Q P D E L V A L L R E M V R P L T I A V A T F L D G N A A T T R A S Q E V L M R
I S N A V D L I K L R E E H G F C I A C A G Y A E V H T E A S W N H P L D L Y Q R W
Q G S N A H A I D L E K Q T N D F N N G L A F C Y P E K H H E A A T T Q M E Q D I Y W
Q H S A T Q L I H L I R T V E A R R I A V A T F P A G N H E A A T T Q M E Q D I Y W
K H E H A H A V E L Q Q Q I N N F N Y G V A C Y P E K H H E A P N Q E T D L Y W
N E Y A V D L I K Q I N D L N Q E V T I G T S G Y P E K H H F E A P N L I S Q D I D T
I K T G A E L V I H R L Q I N D L N Q E V T I A V A A Y P N G H H F E A P N L I S Q D I D T
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S R H F D L I H Q V N N L N K F S Y G V A G Y P E K H H E E A P N L D S D I Y Y
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K D H T T E L I K Q V N R F N E F H Y G V A A Y P E K H H E E A P N L I E M D M Y
L R H A G E L V E L V R E V E Q R H V G V A A Y P T R H H P E A P S F R H D V E V
Y P F A R Y L I E L I R A V G R L G V G V A A Y P T R H H P E A P S F E H D V E V
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		170		180		190		200																																													
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UniRef90_F2NEL5	L	A	K	K	V	K	A	G	V	E	F	I	Q	T	Q	C	I	F	N	L	D	K	F	E	K	W	M	E	G	V	R	D	R	G	L	D	V	Y	I	L													
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UniRef90_H5SL32	L	L	A	K	K	I	D	A	G	A	D	F	F	I	T	Q	P	I	Y	N	D	F	D	V	Y	R	D	P	E	K	E	R	F	H	A	G	A	L	N	E	K	V	P	I	L								
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UniRef90_Q1PVP9	L	L	A	K	K	I	D	A	G	A	D	F	F	I	T	Q	P	I	Y	N	D	F	D	V	Y	R	D	P	E	K	E	R	F	H	A	G	A	L	N	E	K	V	P	I	L								
UniRef90_K8GQJ5	F	E	R	K	L	A	A	G	A	Q	F	F	Q	S	Q	L	I	S	D	F	D	R	L	E	K	F	M	A	Q	L	V	A	E	D	C	K	K	P	I	L	L	L	L	L	L	L							
UniRef90_Q2RJ84	L	L	E	K	K	I	N	A	G	A	D	F	F	I	T	Q	C	I	Y	N	L	D	M	E	R	F	E	K	F	M	A	Q	L	V	A	E	D	C	K	K	P	I	L	L	L	L	L	L					
UniRef90_A0LN01	L	L	A	K	K	V	A	A	G	A	Q	F	I	Q	T	Q	C	I	Y	N	L	D	K	F	E	K	W	M	E	G	V	R	D	R	G	L	D	V	Y	I	L	L	L	L	L	L							
UniRef90_V6HT58	L	L	K	K	V	E	A	G	T	D	F	L	V	S	Q	L	F	V	N	S	I	F	E	N	F	L	N	L	V	R	K	V	G	I	T	T	I	P	V	I	L	L	L	L	L	L							
UniRef90_S0FSZ7	L	L	A	K	K	I	A	A	G	A	Q	F	I	Q	T	Q	C	I	Y	N	L	D	K	F	E	K	W	M	R	A	S	D	R	G	L	T	V	F	I	L	L	L	L	L	L	L							
UniRef90_B4W334	F	E	R	K	L	A	A	G	A	Q	F	F	Q	S	Q	L	I	A	D	F	Q	R	L	E	M	F	M	D	K	R	I	A	A	S	D	R	G	L	T	D	K	P	I	L	L	L	L	L					
UniRef90_E8WWG5	F	A	A	K	V	E	A	G	G	E	Y	G	I	T	Q	P	V	F	D	L	R	L	L	E	Q	F	L	K	R	I	E	A	Q	F	R	I	L	P	M	I	L	L	L	L	L	L							
UniRef90_A3Z343	L	E	R	K	R	K	A	A	G	A	Q	F	V	Q	T	Q	M	V	M	D	A	A	V	L	E	R	F	C	R	E	L	A	T	A	G	P	L	E	L	P	V	I	L	L	L	L	L	L					
UniRef90_V5V4V2	F	E	R	K	L	A	A	G	A	Q	F	F	Q	S	Q	L	I	T	D	F	E	K	L	E	K	F	M	D	K	I	A	S	G	Y	N	K	P	V	I	L	L	L	L	L	L	L							
UniRef90_D4TUE6	F	E	R	K	V	Q	A	A	G	A	Q	F	F	Q	S	Q	L	I	T	D	F	E	K	L	E	K	F	M	D	K	I	A	S	G	Y	N	K	P	V	I	L	L	L	L	L	L	L						
UniRef90_UPI0003782EA7	L	L	K	R	K	I	D	N	G	A	H	F	L	T	Q	P	L	I	T	D	F	E	P	R	D	L	E	R	F	F	D	L	F	H	G	S	L	P	P	I	L	L	L	L	L	L							
UniRef90_K0YZR5	L	L	E	K	E	L	A	G	A	D	F	A	I	Q	T	Q	V	F	Y	D	P	D	E	Y	A	S	L	V	R	E	L	T	A	J	A	G	G	R	L	P	P	I	L	L	L	L	L						
UniRef90_E1IH7	L	L	E	K	K	V	Q	S	G	A	E	F	I	Q	T	Q	L	I	F	D	V	A	R	F	R	T	W	M	A	D	V	R	A	A	G	L	H	A	H	I	L	L	L	L	L	L	L						
UniRef90_E0N609	L	L	V	Q	K	Q	A	A	G	A	D	F	A	I	Q	T	Q	V	F	Y	Q	A	R	D	Y	A	E	L	V	Q	S	A	T	Y	D	R	G	L	T	T	I	P	V	I	L	L	L	L	L				
UniRef90_K0N9S6	L	L	D	K	K	V	R	A	G	A	D	F	A	I	Q	T	Q	C	I	Y	N	L	D	K	F	E	K	W	M	R	L	A	R	S	E	E	G	L	T	T	H	I	L	L	L	L	L	L					
UniRef90_E1Y8Q1	L	L	A	K	K	I	D	A	G	A	D	F	I	Q	T	Q	C	I	Y	N	L	D	R	F	E	K	W	M	R	L	A	R	S	E	E	G	L	T	T	H	I	L	L	L	L	L	L	L					
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UniRef90_K9SCF8	F	E	R	K	L	E	A	G	A	E	F	F	Q	S	Q	L	I	S	D	F	D	R	L	G	M	F	M	D	K	L	G	N	A	G	P	L	E	G	K	P	I	L	L	L	L	L	L	L	L				
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UniRef90_K9RD42	F	E	R	K	L	A	A	G	A	Q	F	F	Q	S	Q	M	I	T	D	F	E	L	L	E	K	F	M	T	Q	T	A	A	G	C	N	K	P	V	I	L	L	L	L	L	L	L	L	L	L				
UniRef90_A5GAM7	L	L	E	K	K	V	E	A	A	G	A	E	F	F	Q	T	Q	A	I	F	D	E	P	E	R	L	R	L	F	S	E	A	V	R	K	P	L	K	V	K	V	P	V	I	L	L	L	L	L	L			
UniRef90_Q8R926	L	L	H	V	K	V	E	A	G	A	E	F	I	Q	T	Q	P	V	Y	D	E	E	L	L	F	K	F	L	D	A	K	V	K	P	L	K	V	P	V	I	L	L	L	L	L	L	L	L	L				
UniRef90_K9P9B3	V	R	R	K	Q	E	A	G	A	R	F	L	Q	T	Q	M	V	M	D	A	A	A	L	R	R	F	V	E	E	I	A	T	G	S	T	G	L	G	L	P	V	I	L	L	L	L	L	L	L				
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UniRef90_E1QIX5	L	L	A	K	K	I	A	A	G	A	D	F	I	Q	T	Q	C	I	Y	N	M	D	K	F	R	A	Y	M	T	K	A	H	D	L	G	L	T	C	Y	I	L	L	L	L	L	L	L	L	L	L			
UniRef90_A2BNU7	M	R	K	K	K	E	A	G	A	G	F	I	Q	T	Q	M	V	M	E	K	E	N	L	I	E	F	C	E	K	T	S	K	P	L	E	I	P	V	I	L	L	L	L	L	L	L	L	L	L				
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UniRef90_K9TZF2	F	E	R	K	V	A	A	G	A	Q	F	F	Q	S	Q	M	I	Y	D	F	S	R	L	E	K	F	M	S	Q	I	A	A	K	F	N	K	P	V	I	L	L	L	L	L	L	L	L	L	L	L			
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UniRef90_A0YXW3	F	E	R	K	L	D	A	G	A	Q	F	F	Q	S	Q	L	I	T	D	F	D	E	D	D	K	F	M	T	E	V	A	A	G	L	G	L	D	Q	P	I	L	L	L	L	L	L	L	L	L	L	L	L	
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UniRef90_B0K6M8	L	L	K	V																																																	

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UniRef90_X1LZP0	V E S I F H L T C	R D R N R V I G L Q S S E L L M G A S A L G I V H N I L T L T	T T G D H P P A	
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UniRef90_R6K4I5	M C V M P H L C	R D R N A I A M R S Q L L G A H I N D I N N F L V I T	T T G D H P I T	
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UniRef90_F8I657	L A T I L H F T T	R D R N L M G L Q S S D L L G A F A L G L T N I L C L T	T T G D H P P T	
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210 220 230 240

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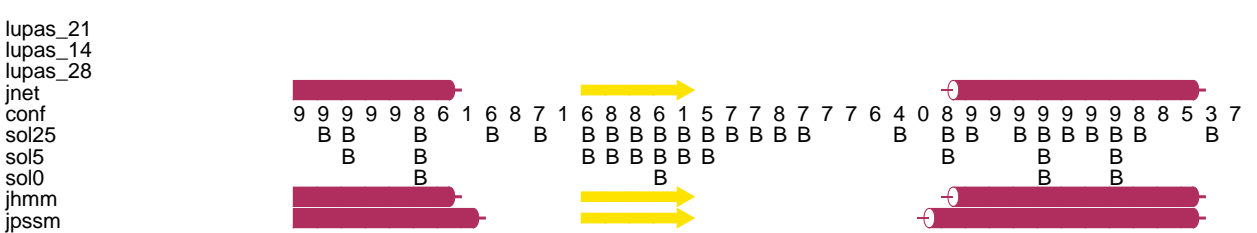
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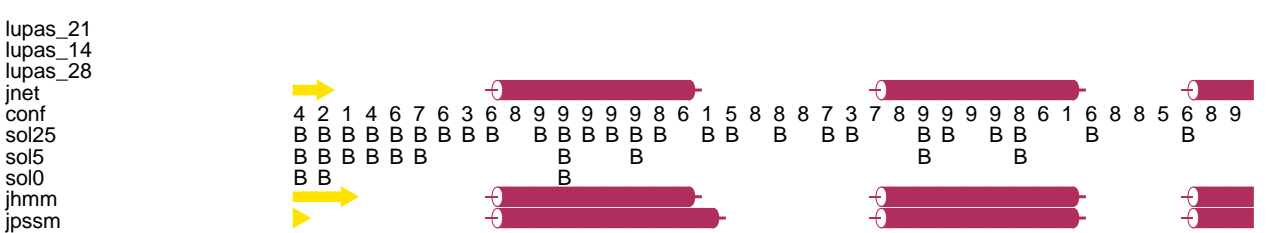

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