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QUERY M I A M D I R E I G L R L V G E A I K A A D P Y R A V L N A V K V S D D K I I V
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QUERY	90	100	110	120
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UniRef90_D2RG88	K Y G Y A	K E E V V	D E N S M	L R G A K
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UniRef90_F3KDK8	R Y D H G	V V V E A	D E N S Q	L R G A K
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UniRef90_B6YXA3	K Y G Y A	N P C C C	V K I T T	V I E A S
UniRef90_J0AZ35	R Y G Y S	V I D C C	E G H I E	I L E A S
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UniRef90_Q1PYP3	R Y G Y T	T P C C C	E R I V K	L N P A
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UniRef90_J1EJL3	R Y G Y A	V P C C C	R R I E I	M E A A
UniRef90_H1XP71	K Y G H A	R P C C C	Q R I K I	I L E A A
UniRef90_UPI0003699FE3	R Y G Y A	V P C C C	S R I E I	I L E A A
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UniRef90_C7RN00	R Y G Y A	V P C C C	Q R I E I	L V Q A A
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UniRef90_UPI0003B4469C	R Y D H G	A L C C C	R R I E E	V V I A A
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UniRef90_R1GYX5	R Y L H G	A V P C C	E S H I E	V L E A S
UniRef90_UPI00026291E0	R Y G Y A	V E T C C	C D S I K	I L V E A
UniRef90_F2JZY0	R Y G Y A	V E T C C	C D S I K	I L V E A
UniRef90_C0QCA4	K N G H A	G D L D A	V T R T R	V N N A A
UniRef90_Q0W1M0	R Y G V T	Q A R T T	R T R V E	V N N A A
UniRef90_A6FD58	R Y G H T	A R T T Q	R T R V E	V N N A A
UniRef90_Q21W06	R Y G Y E	V P C C C	K R I N I	V I Q A A
UniRef90_E6QVY3	K D G H T	E P L A E	R I E E Q	V E A A A
UniRef90_Q5P1S4	R Y G H A	I P C C C	R I E E Q	V E A A A
UniRef90_F7XMG6	K Y G Y G	S N L N F	I P V F E	A A G H P
UniRef90_D8EZU3	K Y G F T	D E S L N	V T Q T V	V E A A G
UniRef90_S5ZCN9	P E E Y S	G S L S R	V T Q T V	V E A A G
UniRef90_C3X5Q7	R Y E H G	L P C C C	K H I E E	V V E A S
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UniRef90_U2ZHG7	R Y G H T	Q A C C C	E R I E V	V I E A A
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UniRef90_W6W6S8	R Y G Y G	C D T K S	R I E E I	V L E A S
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UniRef90_Q9X1S1	K Y G H S	E P L D D	F E I Y E	A A G H P
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UniRef90_K2JKG5	R Y G H A	V P C C C	E R I E E	V E A S H
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UniRef90_A9BH38	K Y G H S	Q D L G R	L Q V I Y	E A G H P
UniRef90_W8IAG7	R Y G Y A	A P C C C	K I R I V	E L V E A
UniRef90_A7HMG7	K Y K H S	E P L E G	I E I Y E	A A G H P

QUERY UniRef90_F8AGT2 UniRef90_F0LLL1 UniRef90_D2RG88 UniRef90_G8ALB9 UniRef90_C5A747 UniRef90_B5YBF8 UniRef90_F3KDK8 UniRef90_B8F182 UniRef90_S7UFD4 UniRef90_C0QRQ0 UniRef90_K2MII4 UniRef90_F5RI48 UniRef90_B6YXA3 UniRef90_J0AZ35 UniRef90_B7R051 UniRef90_H8I5Z0 UniRef90_Q1PYP3 UniRef90_I4CEW7 UniRef90_J1EJL3 UniRef90_H1XP71 UniRef90_UPI0003699FE3 UniRef90_S0G685 UniRef90_UPI0003B2EC3C UniRef90_G8PPM7 UniRef90_UPI0003B35522 UniRef90_F0FX98 UniRef90_C7RN00 UniRef90_M7TUB8 UniRef90_UPI0003B4469C UniRef90_K9DD10 UniRef90_R1GYX5 UniRef90_UPI00026291E0 UniRef90_F2JZY0 UniRef90_C0QCA4 UniRef90_Q0W1M0 UniRef90_A6FD58 UniRef90_Q21W06 UniRef90_E6QVY3 UniRef90_Q5P1S4 UniRef90_F7XMG6 UniRef90_D8EZU3 UniRef90_S5ZCN9 UniRef90_C3X5Q7 UniRef90_UPI0004757C3A UniRef90_W4LVN7 UniRef90_U2ZHG7 UniRef90_D1Z038 UniRef90_L0L1F7 UniRef90_W6KKR8 UniRef90_UPI00036D3B43 UniRef90_W6W6S8 UniRef90_J3HTV8 UniRef90_A0A031GFD3 UniRef90_W9DQD7 UniRef90_UPI0003F9030E UniRef90_B1L6E4 UniRef90_R0E6K4 UniRef90_UPI000476A1B3 UniRef90_E8WU75 UniRef90_J2VZR1 UniRef90_Q6LPW8 UniRef90_Q2W2E6 UniRef90_Q9X1S1 UniRef90_UPI000475057E UniRef90_V9U6K4 UniRef90_UPI00047B7605 UniRef90_U4V4N0 UniRef90_H9UDG3 UniRef90_A9CLC3 UniRef90_K4MAX2 UniRef90_A1RWN7 UniRef90_B9J8W1 UniRef90_M1WR82 UniRef90_L8LIG9 UniRef90_S9TC76 UniRef90_W8I7J9 UniRef90_UPI0003B52379 UniRef90_E6PVT2 UniRef90_UPI0003661BB8 UniRef90_K9F745 UniRef90_X6FQH0 UniRef90_U4ZZR4 UniRef90_D8PAL2 UniRef90_E6UVA7 UniRef90_K2JKG5 UniRef90_UPI0003605E5F UniRef90_J2U3A6 UniRef90_UPI00046D4DB3 UniRef90_A9BH38 UniRef90_W8IAG7 UniRef90_A7HMG7

130 140 150 160

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

QUERY	A	K	R	I	H	E	I	N	T	V	R	K	H	I	S	K	V	K	G	G	K	L	A	K	M	I	K	G	T	G	V	L	I	S	D	V	V	G	D					
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UniRef90_F0LLL1	A	K	I	Y	E	I	N	T	V	R	K	H	I	S	K	V	K	G	G	K	L	A	K	L	V	K	G	T	L	I	S	D	V	V	G	D								
UniRef90_D2RG88	A	K	I	Y	E	I	N	T	V	R	K	H	I	S	K	V	K	G	G	K	L	A	K	L	V	K	G	T	L	I	S	D	V	V	G	D								
UniRef90_G8ALB9	A	N	I	T	E	M	N	A	V	R	K	H	L	S	A	V	K	G	G	R	L	A	A	A	T	K	R	V	I	S	L	V	L	I	S	D	V	P	G	D				
UniRef90_C5A747	A	K	I	Y	E	I	N	T	V	R	K	H	L	S	A	V	K	G	G	R	L	A	A	R	V	R	G	T	V	I	S	L	V	L	I	S	D	V	L	G	N			
UniRef90_B5YBF8	A	R	I	Q	E	I	N	T	V	R	K	H	L	S	A	V	K	G	G	R	L	A	A	E	K	C	K	G	T	V	I	S	L	V	L	I	S	D	V	L	G	N		
UniRef90_F3KDK8	A	T	I	S	E	M	N	A	V	R	K	H	L	S	A	V	K	G	G	R	L	G	A	H	C	A	P	A	V	V	T	L	G	I	S	D	V	P	G	D				
UniRef90_B8F182	A	P	I	Q	E	I	N	T	V	R	K	H	L	S	A	V	K	G	G	R	L	V	R	A	H	P	A	S	V	I	S	L	V	L	I	S	D	V	I	G	D			
UniRef90_S7UFD4	A	N	I	Q	E	I	N	T	V	R	K	H	L	S	A	V	K	G	G	R	L	C	R	K	A	N	G	A	S	V	I	S	L	V	L	I	S	D	V	I	G	D		
UniRef90_C0QRQ0	I	P	I	D	E	I	N	T	V	R	K	H	L	S	A	V	K	G	G	R	L	G	E	K	T	K	G	R	G	I	V	L	V	L	I	S	D	V	I	G	D			
UniRef90_K2MII4	A	T	I	S	E	M	N	C	V	R	K	H	L	S	A	V	K	G	G	R	L	A	A	A	C	A	P	A	R	V	T	Y	L	V	L	I	S	D	V	P	G	D		
UniRef90_F5RI48	A	A	I	S	E	M	N	C	V	R	K	H	L	S	A	V	K	G	G	R	L	A	A	Q	A	A	F	P	A	R	V	T	L	V	L	I	S	D	V	P	G	D		
UniRef90_B6YXA3	A	K	I	Y	E	I	N	T	V	R	K	H	L	S	A	V	K	G	G	R	L	A	K	L	V	K	G	T	V	I	S	L	V	L	I	S	D	V	V	G	D			
UniRef90_J0AZ35	A	S	I	G	E	M	N	T	V	R	K	H	L	S	A	V	K	G	G	R	L	A	A	A	C	A	P	A	R	V	N	L	L	I	S	D	V	P	G	D				
UniRef90_B7R051	A	T	I	R	E	I	N	T	V	R	K	H	L	S	A	V	K	G	G	R	L	A	K	A	V	K	G	T	V	V	S	L	L	I	S	D	V	V	G	D				
UniRef90_H8I5Z0	A	T	I	A	E	M	N	A	V	R	K	H	L	S	A	V	K	G	G	R	L	V	K	Y	S	N	G	A	V	V	S	L	V	L	I	S	D	V	V	G	D			
UniRef90_Q1PYP3	A	T	I	D	E	M	N	A	V	R	K	H	L	S	L	V	K	G	G	R	F	A	G	L	C	K	A	E	M	I	S	V	L	L	I	S	D	V	I	N	G	D		
UniRef90_I4CEW7	A	D	I	H	E	M	N	S	V	R	K	H	L	S	L	V	K	G	G	R	L	M	K	A	A	F	P	A	R	V	I	L	M	L	L	I	S	D	V	V	I	G	D	
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UniRef90_H1XP71	A	N	I	G	E	I	N	A	V	R	K	H	L	S	L	V	K	G	G	R	L	A	K	Q	I	Y	P	A	L	V	T	L	L	I	S	D	V	I	G	D				
UniRef90_UPI0003699FE3	A	N	I	G	E	M	N	C	V	R	K	H	L	S	A	V	K	G	G	R	L	A	R	A	C	H	P	A	K	V	T	L	L	I	S	D	V	P	G	D				
UniRef90_S0G685	A	T	I	H	E	I	N	T	I	R	K	H	L	S	T	I	K	G	G	Q	L	C	A	A	A	N	G	A	R	V	V	L	L	I	S	D	V	I	G	D				
UniRef90_UPI0003B2EC3C	A	D	I	G	E	L	N	T	I	R	K	H	L	S	L	V	K	G	G	R	M	A	R	L	V	F	P	A	R	V	L	L	I	S	D	V	I	G	D					
UniRef90_G8PPM7	A	T	I	S	E	M	N	C	V	R	R	H	L	S	S	I	K	G	G	R	L	A	A	A	C	H	P	A	K	V	I	L	L	I	S	D	V	P	G	D				
UniRef90_UPI0003B35522	A	D	I	K	E	L	N	T	V	R	K	H	L	S	S	R	I	K	G	G	W	L	A	R	A	A	F	P	A	V	I	S	L	F	I	S	D	V	I	H	N			
UniRef90_F0FX98	A	T	I	A	E	M	N	C	V	R	R	H	L	S	A	V	K	G	G	R	L	A	A	A	C	G	P	A	R	V	V	L	L	I	S	D	V	P	G	D				
UniRef90_C7RN00	A	S	I	A	E	M	N	C	V	R	R	H	L	S	A	V	K	G	G	R	L	A	A	A	C	G	P	A	R	V	N	L	M	I	S	D	V	P	G	D				
UniRef90_M7TUB8	A	T	I	Q	E	I	N	T	V	R	K	H	L	S	S	Y	V	K	G	G	Q	L	V	K	E	A	K	C	T	V	S	L	I	I	S	D	V	V	G	D				
UniRef90_UPI0003B4469C	A	D	I	A	E	L	N	C	V	R	K	H	L	S	A	V	K	G	G	R	L	A	A	A	A	A	P	R	V	L	T	F	A	L	I	S	D	V	P	G	D			
UniRef90_K9DD10	A	S	I	S	E	M	N	C	V	R	R	H	L	S	A	V	K	G	G	R	L	A	A	A	C	H	P	A	R	V	V	L	L	I	S	D	V	P	G	D				
UniRef90_R1GYX5	A	A	I	N	E	M	N	C	V	R	K	H	L	S	A	V	K	G	G	R	L	A	Q	A	A	Y	P	A	S	V	T	L	L	A	I	S	D	V	P	G	D			
UniRef90_UPI00026291E0	A	T	I	G	E	M	N	C	V	R	K	H	L	S	T	I	K	G	G	R	L	A	R	A	I	Q	P	A	R	L	T	L	A	I	S	D	V	P	G	D				
UniRef90_F2JZY0	A	N	I	V	G	E	M	N	T	V	R	K	H	L	S	K	I	K	G	G	Q	L	A	A	A	F	P	A	K	V	T	L	L	I	S	D	V	P	G	D				
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UniRef90_A6FD58	A	A	I	D	E	L	N	C	V	R	K	H	L	S	A	V	K	G	G	R	L	A	K	A	T	A	P	A	K	I	T	L	A	I	S	D	V	P	G	D				
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UniRef90_E6QVY3	A	S	I	N	E	M	N	A	V	R	K	H	L	S	S	M	V	K	G	G	R	L	A	H	S	A	F	P	A	Q	V	T	L	L	I	S	D	V	I	G	D			
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UniRef90_F7XMG6	A	T	I	G	E	L	N	A	I	R	K	H	L	S	A	L	K	G	G	G	L	A	R	M	S	Y	P	A	Q	I	S	L	L	I	S	D	V	V	G	D				
UniRef90_D8EZU3	A	S	I	D	E	L	N	A	V	R	K	H	L	S	A	A	K	G	G	W	L	A	K	A	A	F	P	A	V	I	N	L	M	I	S	D	V	V	G	D				
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UniRef90_U2ZHG7	A	A	I	D	E	M	N	C	V	R	K	H	L	S	A	L	K	G	G	R	L	A	K	L	A	Y	P	A	V	T	L	A	I	S	D	V	P	G	D					
UniRef90_D1Z038	A	R	I	A	E	M	N	A	V	R	K	H	L	S	A	V	K	G	G	R	F	L	K	Y	T	G	G	A	V	I	S	L	V	L	I	S	D	V	V	G	D			
UniRef90_L0L1F7	A	T	I	K	E	I	N	T	V	R	K	H	L	S	S	M	V	K	G	G	R	L	A	R	M	A	F	P	A	Q	I	S	L	V	L	I	S	D	V	V	G	D		
UniRef90_W6KKR8	A	T	I	S	E	L	N	A	V	R	K	Q	F	S	L	V	K	G	G	R	L	A	A	A	C	G	P	A	K	V	S	L	L	I	S	D	V	P	G	D				
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UniRef90_W6W6S8	A	P	I	S	A	M	N	V	V	R	K	H	L	S	T	I	K	G	G	R	L	A	A	S	T	R	A	R	V	V	S	L	L	I	S	D	V	P	G	D				
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UniRef90_UPI0003F9030E	A	P	I	S	D	I	N	C	V	R	R	H	L	S	A	V	K	G	G	R	L	A	A	L	A</																			

QUERY

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UniRef90_A7HMG7

Table with 4 columns: UniRef90 ID, Sequence 1 (250-260), Sequence 2 (260-270), and Sequence 3 (270-280). Sequences are aligned and contain various amino acid abbreviations and highlighted characters (C, H, V, Y, etc.).

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290 300 310 320

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K L G Y E S Q V L S T S L E E G E E A R D V G K N L I N L A K Q V A G R G R G G Q N P P F T A
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K R G I K S I L L G D S R I E E G E E A K E V A K V H A A I A K Q V K T H F K D Q N P P I N S P
N L G L K S I L L G D S I E E G E E A R R E V G K V M A G I A K Q V R T F K H H P P I A P
R L G Y N T L L L S S A L E E G E E A R Q V A R F L A A I A M E V R Q T S H H P P I A P
R L G Y H P I L L G S H I K G G E S R E V G L V H A G I A K Q C L T S G S N P P A P L
N I G T P C H I L S D C I E E G E E A R R E V A K V H A A L A R Q I A D K H G Q N P P F S P
S A G L A S Y L L S D S L E E G E E A R R E V G K T L A G L A R Q V A L H G Q N P P F T P
Q L G F V A Q T I G D S T L Q E G E E A R D A A H F L A Q A V R S E L A A M Q P A I N E R
G A G Y T P V I L G D S I E E G E E A R D V A R V F A G I A R E E Q T H S R P P V T L
D L G Y N S I V L T T S T I T E G E E A R R E V A R V F A G I A R E E Q T H S R P P V T L
A F G Y N T L L L S S S L E E G E E A R R E V A R V H C A I L A K E V I C R T G N P P M A K P
E M G Y N T V I L T S M L E E G E E A R R E V A G K I L A A L A K E V I R K T G N P P V V P P
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H V I G Y T P L V L S S S V Q E G E E A R R E V A R V Q A M A H E I R Q C Y G L P M P P
G L G T A H I L S D C I E E G E E A R R E V A K M H A A L A K E V I R Q C Y G L P M P P
E M H Y R P L I L S S S C I T G E E A R R E V G L V L S G I A K E C L K S G N P P V I E P
E L G Y N T L L L G S Y I S G E S K E I A K V F A A L A K E S E L L H A R R Q N P P M P P
G M G L S P L I L G D D R I E E G E E A R R E V A L V M A G I A T Q C A A R R Q N P P V I E P
S H G I T P V I L G D S I E E G E E A R R E V A K V M A G I A X Q V A N H G R Q N P P A Q A K
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A N G I E A V I L S D A I E E G E E A R R E V A H V H A A L A K H V L A K N Q N P P F A K
A A G L T P Y I L G D S L E E G E E A R R E V A G K V M A G I A L Q E T A S R G Q N P P P A
E L G Y N T M V L T S S V I G E A R R E V A K V F A A I A R E E R R R G T P P I L
Q A G L H V H I L G D A L E E G E E A R D V G A L A G I T R Q I A L R S Q P P F K P
S L G Y S T L V L G S R A I Q E G E E A R R H I G K M L A G L A S S I R N E G P P L S P
E A G L A A Y V L G D A I E E G E E A R D V I G K V L G G M A L S S I R N E V A R H A E P P P V
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UniRef90_K2JKG5	P[V V L L	S G G E T T	V T T I E	G D A G
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370 380 390 400

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

QUERY	K	E	H	N	S	Y	E	A	L	K	K	V	G	L	L	F	T	G	T	N	V	N	S	L	V	I	A	I	V	T	S	K					
UniRef90_F8AGT2	A	K	H	N	S	Y	E	A	L	K	K	V	G	L	L	F	T	G	T	N	V	N	S	M	V	I	A	I	V								
UniRef90_F0LLL1	A	T	H	S	T	Y	E	A	L	K	K	A	K	A	R	L	L	I	T	T	G	P	T	R	T	N	N	S	I	E	I	A	V	I			
UniRef90_D2RG88	K	A	T	H	S	T	Y	E	A	L	K	K	A	K	A	R	L	L	L	T	T	G	P	T	R	T	N	N	L	N	S	L	V	I	A	V	
UniRef90_G8ALB9	A	D	N	D	G	Y	S	F	F	S	A	L	G	D	L	L	V	T	T	G	P	T	L	T	N	V	N	D	F	R	A	V	L	V			
UniRef90_C5A747	R	N	H	D	S	Y	R	A	L	E	R	V	K	L	L	K	T	G	P	T	G	T	N	V	N	S	M	V	I	A	V						
UniRef90_B5YBF8	L	N	N	D	S	Y	H	F	F	E	K	I	N	S	L	I	K	T	G	P	T	H	T	N	V	N	D	M	V	V	V	L	V				
UniRef90_F3KDK8	D	N	N	D	G	Y	N	V	F	K	Q	L	L	G	D	L	I	I	T	T	G	P	T	R	T	N	V	N	D	F	R	A	I	L	I	S	
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UniRef90_S7UFD4	A	Q	H	N	S	Y	P	F	F	Q	T	L	S	E	D	L	L	V	T	T	G	P	T	R	T	N	V	M	D	L	Q	I	L	L	I	S	
UniRef90_C0QRQ0	E	N	N	D	S	Y	S	F	F	K	K	T	G	D	L	I	F	T	T	G	K	T	G	T	N	V	M	D	I	I	V	M	I	V	E	G	
UniRef90_K2MII4	A	N	N	D	A	Y	S	A	F	A	K	L	D	D	L	I	V	T	T	G	P	T	L	T	N	V	N	D	F	R	A	I	L	I			
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UniRef90_H1XP71	Q	K	N	D	S	Y	H	F	F	A	K	L	D	Q	L	L	I	K	T	T	G	P	T	G	T	N	V	M	D	L	M	L	L	L			
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UniRef90_F0FX98	E	N	N	D	A	H	G	F	F	Q	A	L	L	G	D	S	V	I	T	T	G	P	T	L	T	N	V	N	D	F	R	A	I	F	I		
UniRef90_C7RN00	D	D	N	D	G	H	G	F	F	D	A	L	L	G	D	S	V	I	T	T	G	P	T	L	T	N	V	N	D	F	R	A	I	L	V	T	
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UniRef90_K9DD10	A	D	N	D	A	H	G	F	F	E	A	L	L	G	D	G	V	I	T	T	G	P	T	L	T	N	V	N	D	L	R	I	F	I	V		
UniRef90_R1GYX5	T	N	N	D	S	Y	G	F	F	E	A	L	S	G	L	I	F	T	T	G	P	T	R	T	N	V	N	D	F	R	A	I	L	I	P		
UniRef90_UPI00026291E0	D	N	N	D	A	T	F	F	K	Q	L	H	L	I	I	T	T	G	P	T	M	T	N	V	N	N	D	F	R	A	I	F	I				
UniRef90_F2JZY0	D	N	N	D	A	H	T	F	F	S	K	L	G	I	S	I	D	T	T	G	P	T	L	T	N	V	N	D	F	R	A	I	F	I	D		
UniRef90_C0QCA4	N	N	N	D	S	Y	N	F	F	K	P	M	G	N	L	V	I	T	T	G	P	T	L	T	N	V	M	D	I	N	T	M	I	I	P		
UniRef90_Q0W1M0	D	S	N	A	S	Y	D	F	F	E	A	L	L	G	D	L	I	F	T	T	G	P	T	G	T	N	V	S	D	L	R	V	V	L	V		
UniRef90_A6FD58	D	N	N	D	S	Y	N	F	F	N	P	L	H	S	L	L	V	T	T	G	P	T	L	T	N	V	N	N	D	F	R	A	I	L	V	P	
UniRef90_Q21W06	D	N	N	D	G	H	G	F	F	Q	A	L	L	G	D	S	V	V	T	T	G	P	T	L	T	N	V	N	D	F	R	A	I	V	I		
UniRef90_E6QVY3	A	N	N	D	A	Y	A	F	F	Q	F	D	S	H	L	K	T	T	G	P	T	G	T	N	V	M	D	L	Q	L	V	L	L	N			
UniRef90_Q5P1S4	D	D	N	D	A	H	G	F	F	E	A	L	L	G	D	L	V	T	T	G	P	T	L	T	N	V	N	D	F	R	A	I	L	V			
UniRef90_F7XMG6	A	E	N	N	S	Y	H	Y	F	K	Q	T	G	N	L	I	T	T	G	P	T	G	T	N	V	M	D	I	Y	L	L	L	I				
UniRef90_D8EZU3	N	N	N	D	A	Y	H	F	F	E	K	T	E	D	L	L	M	T	T	G	P	T	N	T	N	V	M	D	V	R	L	L	L	R			
UniRef90_S5ZCN9	E	N	N	D	S	Y	S	F	F	Q	K	A	G	G	H	I	K	T	G	Y	T	G	T	N	V	N	D	L	V	V	I	V					
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UniRef90_W4LVN7	Q	R	S	D	S	Y	H	F	F	T	A	L	D	D	L	L	I	F	T	T	G	P	T	G	T	N	V	N	D	M	M	I	L	L	V		
UniRef90_U2ZHG7	A	D	N	N	S	Y	D	F	F	E	Q	I	L	G	Q	L	L	F	T	T	G	P	T	L	T	N	V	N	D	F	R	A	I	L	I		
UniRef90_D1Z038	K	E	N	S	Y	D	F	F	R	S	L	L	L	L	F	T	T	T	T	G	P	T	G	T	N	V	M	D	L	R	L	L	L				
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UniRef90_W6KKR8	S	A	N	N	A	Y	C	F	F	H	S	L	D	D	L	V	V	P	G	P	T	L	T	N	V	N	D	F	R	A	I	L	I	E			
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UniRef90_W6W6S8	D	R	N	D	S	F	S	G	F	S	A	I	G	D	V	F	D	T	T	G	P	T	G	T	N	V	N	D	F	R	A	I	L	V	R		
UniRef90_J3HTV8	N	G	N	N	A	W	T	A	F	N	A	I	D	D	L	F	V	P	G	P	T	G	T	N	V	N</											

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U n i R e f 9 0 _ F 0 S 7 6 8 K H G H E V I E G A G I N M I S A S H P V P D D E H S V I E A V N R T L H F L E K V E
U n i R e f 9 0 _ Q 8 2 S 9 6 P Y R H G L A T N S L M V I E A S H P V P D D T R S E M A S R A L L E S V R M L K T
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U n i R e f 9 0 _ U P I 0 0 0 4 6 8 2 1 E E R Y G H G L T L D R I Q V I E A G H P V V P D D D Q G E E A T R N L L A E V K N L L T
U n i R e f 9 0 _ U P I 0 0 0 4 7 B 7 7 4 6 K Y E H V K D I Q G V R C Y E A G H P V P D D D N S V S A T R N E A L K M V K L L T
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U n i R e f 9 0 _ Q 0 8 B L 7 P H G I Q E S N S R I T V I E M E G A H P V P D D T D A Q K S A E C I R D L A T S L L T
U n i R e f 9 0 _ U P I 0 0 0 3 6 6 E 9 0 C R Y G H R T K T K F V K V I E A A H P V P D D A N G L L A S K R I F N I A T N S S
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U n i R e f 9 0 _ A 9 K J 5 7 K Y D H A K N L P H V R I E I Y E A G H P V P D D A N S F K A T A E E A I K L V Q A L L T
U n i R e f 9 0 _ S 3 H C N 4 R Y G Y A L Q C D R I E V I E A A H P V P D D E N G L A A S A R L M S A V R A L L T
U n i R e f 9 0 _ M 0 H 6 2 2 D D P V S L S R V S C V I E G S H P I P D G S A V L S G T A E L L E L A S D A T
U n i R e f 9 0 _ I 1 B O G 2 R Y G Y A T P C C R Q V T R V I E A A H P V P D D A A G L L A T N A L M F D A V G G L L T
U n i R e f 9 0 _ H 4 F 2 E 7 R H G P L E P C C R Q T R I L H A A H P V P D D A A G L H A A Q A L M D H V R G L L T
U n i R e f 9 0 _ K 7 S T K 3 R Y G Y G Y P T K Q I R V L I G A A H P V P D D E A G L A A T A A L F E A V R G L L T
U n i R e f 9 0 _ Q 0 7 K 8 5 R R G Q A G P A G R I E V I E A S H P V T P D D A M S A E A G R M L A A V A Q G L L T
U n i R e f 9 0 _ U P I 0 0 0 3 B 5 9 7 3 0 K Y G H V K E L E R I E C F E A G H P V L D D E N S I K A T E K V L E A V G G L S
U n i R e f 9 0 _ K 2 P X S 6 R Y G Y G R P G R G I E I V I E A A H P V P D D E A G L D A T A R R L L A L V E S A G
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U n i R e f 9 0 _ G 3 I T U 6 N Y E N V T R P T I D N L D V I G A S H P V P D D A A G L N A A K I L A E R V R N A Q
U n i R e f 9 0 _ G 0 G E F 4 K Y G H A R P L E R N L V K E A G H P V P D D E R S L E A G E A F L A R L A D
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UniRef90_W6RTS0	A	P	I	S	G	M	N	T	V	R	R	H	L	S	R	V	K	G	G	R	L	A	A	L	A	H	P	A	R	V	V	L	L	V	V	D	I	V	P	G	G	D			
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UniRef90_U7G3Y2	L	S	I	E	D	I	N	A	V	R	R	H	L	S	R	V	K	G	G	R	L	A	R	A	A	R	P	A	V	V	T	L	L	A	I	S	D	I	V	P	G	G	D		
UniRef90_A0A021XAL6	A	P	I	S	A	M	N	A	V	R	R	H	L	S	R	V	K	G	G	R	L	A	A	L	A	H	P	A	R	V	V	L	L	V	V	D	I	V	P	G	G	D			
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UniRef90_S2KFE2	A	P	I	R	E	I	N	T	V	R	R	H	L	S	R	V	K	G	G	R	L	A	A	C	A	H	P	A	V	V	T	Y	L	L	I	S	D	I	V	P	G	G	D		
UniRef90_A3JUS7	A	P	I	G	Q	M	N	T	L	R	R	H	L	S	R	V	K	G	G	R	L	A	A	A	A	Y	P	A	K	L	C	L	M	I	S	D	I	V	P	G	G	D			
UniRef90_E6VWS3	A	T	I	D	E	I	N	A	V	R	R	H	L	S	R	V	K	G	G	R	L	A	K	V	L	E	P	A	T	V	T	L	L	A	I	S	D	I	V	P	G	G	D		
UniRef90_UPI000474D08D	A	T	I	G	D	M	N	T	V	R	R	H	L	S	R	V	K	G	G	R	L	A	A	A	C	H	P	A	V	V	T	L	L	A	I	S	D	I	V	P	G	G	D		
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UniRef90_F7VGU4	K N H D S Y S Y F F K A E I	D G D L V I T G	P T L T N V N D F R A I L I L P
UniRef90_A6UKY0	A A N N S Y S A F S A I V	G D L F V V G	P T G V N V N D F R S I L L V R
UniRef90_UPI00036491C4	D A N D A G H G F F G A L	G D A V V T G	P T R T N V N D F R A I L V L P
UniRef90_UPI00046B0A56	N A N D A F S A F E A C	D D D L F S P	G T G T N V N D F R A I L V R
UniRef90_S6CXQ7	K Q H D S Y S F F E K L	G D L I K T G	P T L T N V N D V R L L V
UniRef90_E4U9Q4	S R D D S H G F F D A L	G D L V V T G	P T H N N L N D L R V V V E P
UniRef90_UPI000469601E	R R H D A W G A F D A V L	G D L F V T G	P T G T N V N D F R A I L V D G
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UniRef90_H0A4H7	S S H D S Y S L F A S L	G D T I V T G	P T L T N V N D L R L V L I
UniRef90_Q0K9U2	A A N D G H G F F E A L	G D A V I T G	P T L T N V N D F R A I L I T
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UniRef90_A3JUS7	A L N N A H E F F S A V	G Q V L T G	P T L T N V N D F R A I L I D P
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UniRef90_UPI00036550D7	D N N D A Y N A L N T A	G D L L D T G	A T G T N V A D L Q V L L I H P
UniRef90_H0HN59	A G N N A W T A F N A V	G D L F V P	G T G T N V N D L R T F L V R D
UniRef90_A0A011TEB5	N L N E S Y S L F K A S	G G L V I T G	P T R T N V N D I R L I K I
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UniRef90_B2UFJ7	D A H D A Y G F F A A A	D D L I V T G	P T R T N V N D Y R V I L I
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UniRef90_V8P143	S N N D S Y T F F T K F	Q N L L M T G	L T G T N V M D L H T V L I R S R
UniRef90_UPI000408AC39	A N N D A Y S F F A A L	D R L V V T G	P T L T N V N D F R A I L V R
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UniRef90_F0S768	D N H D A Y H F F E K T	G G L I Q T G	P T Q T N V M D I Q L M I V T
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UniRef90_H4F2E7	A D H D A W S A F D L I	G D L F V S G	P T G T N V N D F R A F L I D
UniRef90_K7STK3	A E N D A Y T A F E A L	G D L F V P	G T G T N V N D F R A I L I R
UniRef90_Q07K85	A A H D S Y S F F D R L	G G L V R T G	P T G T N V N D F R V V L I S S
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UniRef90_UPI00036FA662	D D N D S Y S L F A A L	D N L V T T G	P T L T N V N D F R A I V I T P
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U N I R E F 9 0 _ V 4 Y 3 Y 5 E E T L V L A V I T T G G G S A L L M A S P A N Q G L I E G L E D D I K A R T T D A M L E E A G G
U N I R E F 9 0 _ U P I 0 0 0 3 7 C 5 6 E A S G D L V L V A L I T T G G G S A L L W A S L P A N G L I S T L E E F Q K T T K L M L E N S G
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U N I R E F 9 0 _ U P I 0 0 0 3 1 C 8 B 5 2 A D D L V I A L V C S S G G G S A L L L P A P A G V S T S E A D E I A V N S R A L L A S G
U N I R E F 9 0 _ U P I 0 0 0 3 6 4 8 8 6 6 P S D H L L V L I S S G G G S A L L L V S A P W G V S T S E A E K Q A L T T G S E L L A S G
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U N I R E F 9 0 _ G 9 Y R G 6 A E D T V L F V L S S G G G S A L L F E A P L E D G V P Q E E D I Q S R L T T Q S E L L A S G
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D P S L V A S S G P T V E P D P T T F R D A L R V L L Q S R Y G L W A R R I P P E R A
D L S V V G S S L T Y F D N S T E K E F V R I L L S E L G F R I D V V P P A I L M R Y
L D V V I A S S G P T T P D P A T S T F H A V Q I L L D R Y R L A G R L V L P L A I L R Y
P L S A I A S S G P T L P N D D P D C L P I G I V L D R F G L R D K M P K T V I T D A H
D V G V I A S S G L S A P V R T T P P A R A L E V L R R H G L L D G S P P R S V L K A L
P L D F I A S S G P T V P D R T T P P A R A L E V L R R H G L L D G S P P R S V L K A L
P V E L I A S S G P T V I P A H Q Q D K I S N L L E S L K I N K E L P V N V K N V
N P S V V A S S G P T L S P D S T T S K A R D A L M T L R E Y D V N T P S E T L R M A
D P S T I A S S G P T V P D P T T L A D A G R V L L A D W G I T P P P D S V A A L
D P S V I A S S G P T V A D P G C A D A L A V L L A R Y G I E V P P P E V A A L
P L P V I A S S G P T L P A D P G C A D A L A V L L A R Y G I E V P P P E V A A L
D V S T I A S S G P T A P D P T T F R D A L A V L L D H Y G I R A P P S V R A Q
D P A V I A S S G P T S I P D S T T A A D A R A L L A R Y Q I L D L P A V A A L
D L S L V P S G P T I P D N S T Y A D A L A V L L D D Y D V R L K V P A A V R T R Y
E V A G E P W G P T V S D D D T T F A D A V A V L L R R Y G L W T D T P S T I R D Y
P L D V I A S S G P T V S D D D T T F A D A V A V V L R R Y G L Q A T L P S T I R E H
E P A A I A S S G P T V P D P T T L A D A R A V L L A K Y N L A L D D A V T R A Q
D P S V V A S S G P T L S P D S T T Y E D A L E V L A T E L P E K A L P P A A V T R Q
P L D L I A S S G P T V P D D T T Y S W S D A W A L L A T E T L P E K A L P P A A V T R Q
D L S T I A S S G P T V P D P T T C A D A L E I V G R Y A I L E L P A A A R E A
D L R V V A S S G P T S E P I G T P E E A R H L L A E A G H I L W D R L P Q A A K D R
D H S T I G S G P T I V D T T S Y I D A I Q L L K Q H E I L W E V P C I Q E H
P L D V I A S S G P T V P D S S T Y A D A I D V L D R Y D L D V V P A A V Q E H
D P S V I A S S G P T L S P D P T T Y A D A F A V L L D R H G V G P V P A S A E E R
D P S T I A S S G P T V P D P T T L A E A R A L A A R R G V P L T A S A E A L
N L D V I A S S G P S V P D T T T F S D A I E T L K K F S I Y E K I L P L S V I N H
P L D L I A S S G P T V P D D T T A F A D A L A V L L D R F D P A H Q L P S L I V R E H
P L T I I A S S G L S V P D P A S F A E A W A I L L E Q Y G L I D R L P S L I R D Y
D P A V I A S S G P T V P D P T T L A D A R A I L L A R G I E P A A S I R A A
D P S V V A S S G P T V P D D G S T Y A D A R D A L L D R H G I D G A P A G V R D R
P V D L I A S S G P T V Y G S P R A Q D C L Q I L T K Y N L L S A V P A S V R Q M V
D L G S I G S G Y T V A D K S T V N D A K E I L L E D I G L E D A P P E Y S R Y L
D P A T V A S S G P T F S P D D E T S Y A E A R S V L L E R Y G L M E R F P P S S V T R R Q
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E P S A I A S S G P T V P D P T T L A D A R A L V A R Y G L M E R F P P S S V T R R Q
P T E L I A S S G P T V T L K F A N L L E I L N L N I L Q G D L P E S V R K L
D L S V I A S S G P T V P D E T T K A Q A L A V L L D K Y G L D F L E S V R S H
D L R A I A S S G P T V A P I A S R A E I R D L L E R K G I A D A L P D S I R R H
D L S S I A S S G T T V C D A T T Y S N A L D I V L R G L L A D R M P S A A L A R
P L E F I A S S G P T V I T S P D N P D S I T V L K E L N A W A I S N S V Q D A
P I E S I A S S G P T C P A E N P G R A A I D I L R K Y N L Y D D L E E S V K N L
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Y P S V I A S S G P S M P D D S T L Q D M E M L I R R Y K L T S V L P D S I K A L
D P R D V A S S G P V F A D P F A G Q S L M P P L I R R Y K L K L P A L L P Y
D P A V I A S S G P L S P D P T T Y A D A L A V L L D R Y G I L D A P A A A T D R
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S L E I I A S S G P T V P T S H T V R D S L D I L S S S S L P P A S V K T V
E L D A L A S S G P T V P D R S T T E D V Y R I A E E Y G L A S S S V P P V I S E M
P V D L I A S S G P T I E D E S S K T E D A L D V L D R E Y D P M Q R N L P A S V Y N A
P L D L I A S S G P T V P D E S S F E E A W S I L L R Y D G S H E L P P A V I D V
D P S A I A S S G P T V P D P T T L A D A R A I I A K Y A L Q V D D A I R R A
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D P S T V A S S G P T V A D P T T T Y A D A L A V L L R R D L R V P D A V R D H
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H L A T I G S S G P L V S P N R M G P F P Y A L L D Q M P E T V R A F
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D I R A V A S S G P T A S P Q T S H A D A R R T C I E A G I W H R F P K A A R A H
P L G V I A S S G P T A P D Q T T Y A D A L A V L L E E Y D V T P P S S V E A H
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210

220

230

240

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250 260 270 280

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

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290 300 310 320

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 D
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UniRef90_X0RH06 S K D L V I S L I S G G G S S A L W A S P I A P I S L D D L R A L N Q V L I R S G
UniRef90_A0A011Q6X6 T G S R L L L L V S G G A S S L A E D L V P G K T L D D L A T L N R Q L L A E G
UniRef90_B9NMP3 K N D T V L F L L S G G G S S A L F E E K P K I T T G E E L Q D I T N Q L L A C G
UniRef90_K1SY83 K R D L L I V M L S R D L D D L C C P Q N T I T L K E K L R V L N R L L K A A N
UniRef90_E2AFZ3 K G D F V L F L V S G G G S S L L A L P D K I T L T E K K H V T K L L L Q C G
UniRef90_B3T8L2 P T E H A V V L I S G G G S S A L L C A P R D V P L T D F Q Q T S Q L I Q R A G
UniRef90_A9UXS4 K R D I L I V M L S Q G T D D L C C P R D T I S L R D K L R V I N R L K D A N
UniRef90_UPI000258E3A2 A D D L V L C L I S G G G S S A L T L P C D G L T L H D K Q R I N R A L L D S G
UniRef90_UPI0002376FF3 S S D L F L F L V S G G G S S A L F C A P D G I L D E K L L T I R K L T T N G
UniRef90_A0A016V1L6 D A G P L L L L L S G G A S S L V E L P V A G V G L E Q L A R T N Q W L Q A S G
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UniRef90_B8GNT0 E G E V L A L I S G G S S A L L A L P A P G L E L S E K N A V I A A L A A G G
UniRef90_W9TL50 A G S H L L M L V S G G A S S A L A E A P V E G L D L A G L K T K T T E M L G S G
UniRef90_D0CW00 P G T H L L L L V S G G A S S L A E D L V A G A T W N S D L A R L N A Q L L S E G
UniRef90_UPI00047E8A90 P H D L L V L V S G G A S S L V E H L K P N H D W S F V G R V T E M I T S D
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UniRef90_N1VKD5 UniRef90_Q97AL3 UniRef90_K5D340 UniRef90_X1YGZ8 UniRef90_A1B443 UniRef90_T0NGE7 UniRef90_N6SZP5 UniRef90_B0SCY2 UniRef90_T1H373 UniRef90_X1G5Y7 UniRef90_A4EJW4 UniRef90_C7DDV5 UniRef90_X1I445 UniRef90_T1JYJ1 UniRef90_M6PS67 UniRef90_UPI000377F524 UniRef90_UPI0003F0D74B UniRef90_H9K697 UniRef90_UPI0003B7A09E UniRef90_D3RNS3 UniRef90_S0ARM1 UniRef90_T1BSL5 UniRef90_Q6KZ25 UniRef90_S6HRW2 UniRef90_A0A011PER7 UniRef90_A3V819 UniRef90_K1YYZ8 UniRef90_H1FZZ8 UniRef90_V5AKA8 UniRef90_X0ZG12 UniRef90_D3PJ75 UniRef90_M1I1A8 UniRef90_UPI00023796E7 UniRef90_F2L2W7 UniRef90_F9U5C5 UniRef90_UPI000477C334 UniRef90_UPI000471CC1E UniRef90_I0IMC1 UniRef90_Q9HKZ0 UniRef90_A4BRW4 UniRef90_UPI000362AE5E UniRef90_M3AFD2 UniRef90_A6VRW1 UniRef90_U6P2J0 UniRef90_L0GV11 UniRef90_X1SL96 UniRef90_UPI00037A9A8A UniRef90_T1E9Z6 UniRef90_K1ZUK6 UniRef90_X0S4D2 UniRef90_UPI0004767033 UniRef90_UPI0000164CE6 UniRef90_W0RLZ9 UniRef90_W9VCG2 UniRef90_A6GGC1 UniRef90_T0MTB7 UniRef90_R4VLP7 UniRef90_UPI00047E2262 UniRef90_V4XVQ4 UniRef90_K1XVE8 UniRef90_T0YZK0 UniRef90_M0CBY5 UniRef90_C6HY74 UniRef90_J9ZCE3 UniRef90_T0M2A0 UniRef90_F7DD90 UniRef90_G1V3J5 UniRef90_B9Z5Y2 UniRef90_X1M4M4 UniRef90_W0E149 UniRef90_D5BQJ7 UniRef90_UPI00037BAFB7 UniRef90_UPI0002064B91 UniRef90_U6DB76 UniRef90_X0RH06 UniRef90_A0A011Q6X6 UniRef90_B9NMP3 UniRef90_K1SY83 UniRef90_E2AFZ3 UniRef90_B3T8L2 UniRef90_A9UXS4 UniRef90_UPI000258E3A2 UniRef90_UPI0002376FF3 UniRef90_A0A016V1L6 UniRef90_G2D9W6 UniRef90_B8GNT0 UniRef90_W9TL50 UniRef90_D0LKI4 UniRef90_Q168K6 UniRef90_D0CW00 UniRef90_UPI00047E8A90 UniRef90_G4RPE9

170 180 190 200

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

		210	220	230	240
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UniRef90_Q97AL3	D I S T I	A S G P L A E N K L D P S A V Y A K		Y R D I I P I D I T K Y	
UniRef90_K5D340	D P N V I	A S A P T S Y P			
UniRef90_X1YGZ8	P I E L I	A S G P T V I V N V G C Q R N A R E V L M K Y N L W N R L P A S V A G V			
UniRef90_A1B443	D L R V I	A S G P T V A P V G T R A Q A A D L A Q S L G I W E R M P E A A R A A			
UniRef90_T0NGE7	D I S V I	A S G P T V P P D M P E N A L R E N L E R F S A L C P D L A R V K D K			
UniRef90_N6SZP5	P L E V I	A S G P T V D F Q E D P D E A I Q L L E K F G L Y E S A P L S I K T V			
UniRef90_B0SCY2	D P Y T I	G S G P T Y P S E N			
UniRef90_T1H373	P V D L I	A S G P T V K P	F L N G R E V L E K Y D L W N S L L P A L X X X		
UniRef90_X1G5Y7	K L D S I	A S G P T I P D L T S F N D A Y N V L L K Y N L L D R I P M S A K A V			
UniRef90_A4EJW4	D L S A I	A S G P T V G P I G T V L D A V S L L Q E A G L W A E L P I V V R T H			
UniRef90_C7DDV5	D L R A I	A S G P T T D P L G T R D E A I A L L R R Y D L W E T V P E A V Q I R			
UniRef90_X11445	P L E Y I	T G P T V D D T S T F S E A I S I L K K Y N L W D K F P K S A I R Y			
UniRef90_T1JYJ1	P M D I I	G S G P T V L P P D D S L N P L E I I D M Y K I S I D E D I R N L			
UniRef90_M6PS67	D L S K V	A S G P T I P S K I E K N S L R I L F K Q Y N L H K K T E Q S I K I S			
UniRef90_UPI000377F524	D P S T I	G S G P T V P D T T T V E D A K E A L R R V G			
UniRef90_UPI0003F0D74B	L L G L I	A S G P T I V N D S S P K D C L D I I H K F H A N N E M P V S V M T Y			
UniRef90_H9K697	P V E S I	A S G P T I Y S P K R K E V I A V L K K Y N I F E H L E G D V M K K L			
UniRef90_UPI0003B7A09E	D P A L I	A S G P T I A D R A T R H D A L K Y I E H Y K M Q L P E K V M A H			
UniRef90_D3RNS3	T P G V I	G S G P L V P R P D L G D Q V G R L V			
UniRef90_S0ARM1	N L N I I	A S G P L V N V P A P A N L K E L A K K Y L K D N R L R D I			
UniRef90_T1BSL5	D P T V I	A S G P T V A D P T F A E A R A L V E K Y G L Q D Q V R A Y A H			
UniRef90_Q6KZ25	D L S I I	A S G P L T R I D Y R I E A D L M E T L K K Y L G N D E			
UniRef90_S6HRW2	D L S V I	G S G			
UniRef90_A0A011PER7	D P E V I	A S G P T V G D P S S C A D A L A V L D R Y A I R T S A E L R Q R			
UniRef90_A3V819	D L S A I	A S G P T A P P I G T A A Q A V T M L R D A N L W D R V P P S V R D H			
UniRef90_K1YYZ8	D L S S I	A S G P L S P D P T T R E D A F K I L K K Y G K			
UniRef90_H1FZZ8	D P A V I	G S G L L V P P S V A R P L P E L P P G I R E W			
UniRef90_V5AKA8	H P I D I	A S G P T V A D P T T R D D A L A V L A R Y R V A V P A S V L A H			
UniRef90_X0ZG12	P L D T I	A S G P S V P D P S T Y R D A L D I L D Q Y R I L D Q V S S S I R S H			
UniRef90_D3PJ75	P L D T I	A S G T T V P N T D D P K I A E N I L L Q K Y N I Y L N E E			
UniRef90_M11A8	D I S F V	G S G P T L L D K T S V I D A E R I L A K I G			
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UniRef90_F2L2W7	N P S D V	G S G P G V P D D T T P D E A Y L Y L K V R G L G A L P D A P R F A			
UniRef90_F9U5C5	D P G V I	G S G L L V P E V G L A E G I A R L D L P A W L S D W			
UniRef90_UPI000477C334	D P A V I	G S G L L V A G E P R G A W P E F P G E L D W			
UniRef90_UPI000471CC1E	D P K V I	G S G L L I P H T P A D I D T G D I D L P			
UniRef90_I0IMC1	P P E T V	G S G P T L P A I R G K E K A E N I L K S L N I P I T I P K S			
UniRef90_Q9HKZ0	D V S I I	A S G P L S E N K L D P V A V Y Y E R F R N V I G V D			
UniRef90_A4BRW4	D P A V I	G S G L L S P D S Q A S G L A T L P L A L R R L C P A E P A			
UniRef90_UPI000362AE5E	D P A V I	G S G P F V A A P A S D A G A L P E G Y D E L M P V A			
UniRef90_M3AFD2	D P S V I	A S G P T V A D P T T L A E A R D V L A R Y G I A P P A I A A H			
UniRef90_A6VRW1	D I S V I	G S G			
UniRef90_U6P2J0	L I Q F I	A S G P S I P Q T A S M I D L S R T I T T S P K W T S L P E V L N R V			
UniRef90_L0GV11	D P A V I	G S G P T V P E P G L A A R V I G A L D L P A W L D D W			
UniRef90_X1SL96	D L D V I	A S G P T V P D Y S T F S R C M E L H K Y N I L K K I P E T V L N H			
UniRef90_UPI00037A9A8A	D P R I I	S S G P S L P W K Y D L N N L G T K I L T C K			
UniRef90_T1E9Z6	P I A L I	A S G P T I T T S G E C E N A R E V L M K Y N I R N R L P A S V V R V			
UniRef90_K1ZUK6	D L A V I	A S G P T V R D G S T I K K A L S I L D K Y E I R S D I P E S S L T E			
UniRef90_X0S4D2		V P D T S T F S D C L H I L N K Y N I R Q K I P A A V L E H			
UniRef90_UPI0004767033	S L D V I	A S G I G A Y I G D D D			
UniRef90_UPI0000164CE6	D P S V I	A S G P T V P D P T T F A D A L A V L E K Y S I A A P A V R A H			
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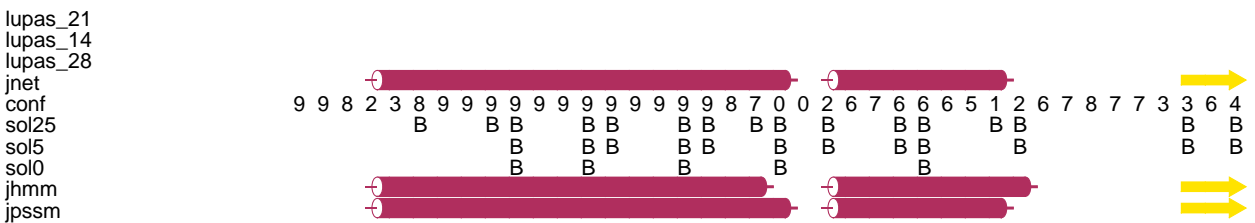
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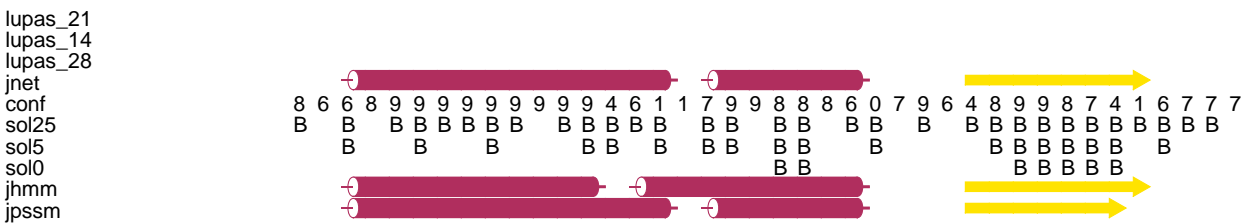
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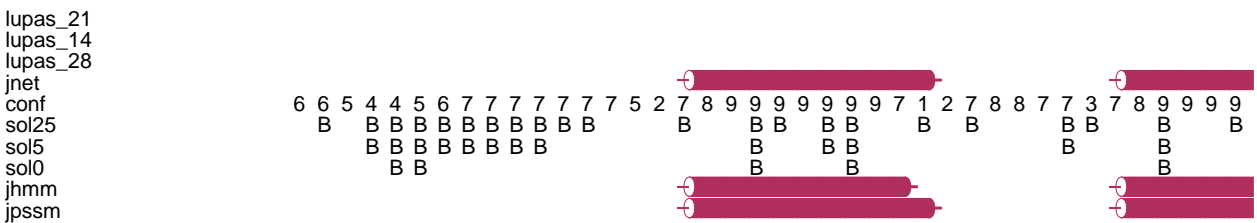
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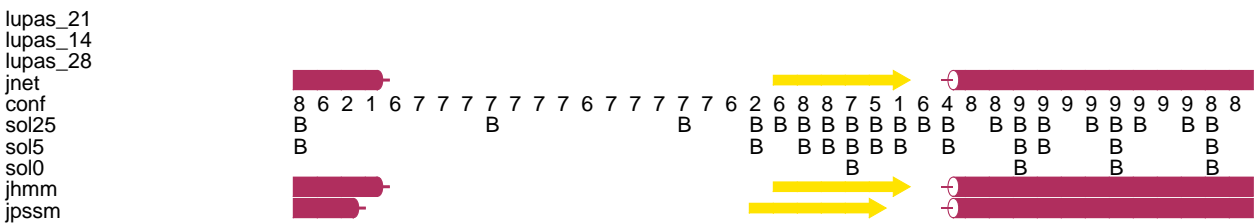
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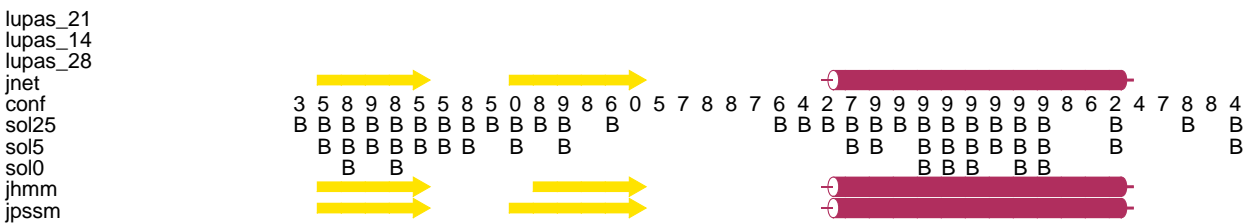
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