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S S Q A K V F I L S V I V M G N G E E E Q Q K E E Q T G L K A G L L S S K A S G Y F I L R R S S L L G G K R R I V
S S Q A K V Y L S V L F G G E Q E E E Q Q K E E Q T G L K A G L L S S K A S G Y F I L R R S S L L G G K R R I V
A H A R V Y Y F T S R L L G G E E E E Q Q K E E R E A T Q Q K G L L N S A A G G F I L R R S S L L G G K R R I V
Q Q I A T V Y Y I S V L F G D D D E E Q Q K E E Q T G L K A G L L A K A K G G F I L R R S S L L G G K R R I V
N Y A K V Y V T T F L L D N D P E E R I K E A L L T A L L G E A S G Y I I R R S L L L G G S A M
A Y A K V F V L T F L L N D D Q E E E A V V K N D T F K A L L K E A S G Y I I R R S L L L G G S A M
S L A K V Y L T T V L L G D D D E E Q Q K E E Q T G L K A G L L K E A K G G F I I R R S S L L G G S A M
Q Q A T A F V T T V Y G D D D E E E R E K E S L L A L L E K A A N G Y I I R R S S E I L L G G A R G V M
G Y A D V V I T T V M A G F G D E Q T S D A V V K E S L L S V L N K S A A S G F I L R R S L L H H L L G G A R G V M
G H A K V F L T T V M G G G E A E H A A A C Q T L L Q G L L Q R A T S G F I L R R S S L L Q L L G S H R M
E F A K V Y F T T M G G G E A E H A A A C Q T L L Q G L L Q R A T S G F I L R R S S L L Q L L G S H R M
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S Q A K I F V S V M G S E E E E D K E K E E T M E G L D K A T G Y I I R R S K L L V L G G A R T I V
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K F A K V I S V L L G S E E A G K D T V Q G L K S A A G F I L R T T Q L L G A S K R I V
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S H A K V Y V T V M G D D D N T P A E N V V K Q N T S V L N D K A A G F I L R R T R T M L L G G K A M
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G F A D V Y I T V L G K D N T A E Q A L V D S L K V L N S A A G F I L R R T R T M L L G G K A M
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Q Q A T V F V S V L L G N E E E K E Q K E A L L E A L E K A H G F I I R R S S L L G G S R I V
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S L A S V Y V T V L L G D E E E K E R K K S L L E G L E K S K G F I I R R S S E I L L H R M
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R Y A K I Y V T V L L G M G N E E E E K K A N S L E G L K S A A G F I I R R R R A L L G A K R I V
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A H A K V F Y T T L T G G D E N Q L L V E E G L K H A A G F I I R R S S L L G G F K G K
A Y A K V Y T T L L G G D E N Q L L V E E G L K H A A G F I I R R S S L L G G F K G K
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G Y A D I Y I T V M G K D E A T A V K E S L K V L N N A A G F I L R R R G Q L L S S K I V
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K Y A K V Y V S I L L G S D D A K N L K E T L A G L K K S A S G F I I R R S S E I L L G A R S V M
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G Y A D V Y I T L M G E N D E Q R I G E N L A V L K R A S G F I I R R S S E I L L G G R R I V
A H A K V F F T S M T G E Q T A K G E L L K G L R R R E M A P Y I I R R S L L L G G K R I V
C Y A K V F V T F M T G E Q T A K G E L L K G L R R R E M A P Y I I R R S L L L G G K R I V
K Y A K I Y V S V F G G D E E A K A K T M E G L N K S A S F A R G G Q L L G G R R I V
R E A T V Y V S L F G S D D E E E K K N T L E A L S K A Q G F I I R R S E I L L G G A R I V
R H A K I F L S I Y G S D E E E S V K Q N A L E A L S K A E G F I I R R S E I L L G A K R I V
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K T C K A Y I S V M G N E D E E Q S N T L T G L K S A E G F I I R R R E I L L H R V
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QUERY	R	L	R	L	V	P	E	L	R	F	Y	D	Q	S	L	V	E	G	M			
UniRef90_F5LDI2	R	L	R	L	K	V	P	E	L	I	F	K	F	D	T	S	I	D	Y	G	M	
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UniRef90_S9SZD7	R	L	R	R	H	T	P	E	L	L	F	K	I	D	Q	S	I	E	Y	G	M	
UniRef90_U1YAF6	R	L	R	R	H	T	P	E	L	L	F	K	F	D	E	S	V	I	E	Y	G	M
UniRef90_D3FU02	R	L	R	R	K	T	P	E	L	I	F	F	E	F	D	E	S	I	A	Y	G	M
UniRef90_W4C951	R	F	R	H	V	P	E	L	I	F	K	I	D	Q	S	I	E	Y	G	M		
UniRef90_UPI0003656584	R	M	R	S	I	P	Q	L	R	F	I	Y	D	D	T	P	E	R	G	M		
UniRef90_C3P5L3	R	L	R	R	K	T	P	E	I	S	F	F	E	F	D	E	S	I	G	Y	G	M
UniRef90_UPI0003FFC6D0	R	L	R	R	K	T	P	E	I	F	F	K	F	D	E	S	V	I	E	Y	G	M
UniRef90_N9U4Z1	R	L	R	R	V	V	P	E	L	R	F	F	Y	D	E	T	L	V	E	G	M	
UniRef90_U3TW10	R	L	R	R	I	V	P	E	L	T	F	F	Y	D	N	S	L	I	E	E	G	M
UniRef90_B9DPD6	R	L	R	R	L	V	P	E	L	Q	F	F	E	Y	D	H	S	I	E	Y	G	M
UniRef90_D6XU11	K	L	R	R	K	T	P	E	L	D	F	F	K	F	D	E	S	I	E	R	G	M
UniRef90_UPI00037948BE	K	L	R	R	V	M	P	Q	L	R	F	F	H	F	D	E	S	V	D	R	G	M
UniRef90_Q1F42	Q	L	R	R	S	V	P	Q	L	R	F	F	H	F	D	E	S	V	S	R	G	V
UniRef90_Q3SKX2	Q	L	R	R	V	V	P	K	L	T	F	V	Y	D	R	S	V	E	H	G	M	
UniRef90_UPI0003771FE7	R	L	R	R	L	T	P	E	L	L	F	E	L	D	N	S	L	E	Y	G	M	
UniRef90_V4HVV3	R	A	R	L	M	P	E	L	K	F	V	L	D	N	S	L	E	M	E	G	M	
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UniRef90_Q67P85	Q	L	R	Y	M	P	E	L	H	F	A	L	D	E	S	I	E	H	G	M		
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UniRef90_A0A011QER5	S	I	H	S	T	P	Q	L	H	F	I	F	D	E	S	L	E	R	G	M		
UniRef90_W7CJC8	R	L	R	K	V	P	E	L	L	F	F	E	L	D	H	S	V	A	Y	G	M	
UniRef90_UPI0004730E50	S	I	H	T	L	P	A	L	H	F	L	Y	D	S	S	T	A	R	G	M		
UniRef90_B9EBF7	D	L	R	L	V	P	D	L	K	F	K	Y	D	E	S	I	D	Y	G	M		
UniRef90_Q1K0G2	K	L	R	R	H	V	P	D	L	V	F	K	Y	D	T	S	I	A	Y	G	M	
UniRef90_W4VFH2	R	L	R	R	K	T	P	E	L	M	F	D	F	D	T	S	I	E	R	G	M	
UniRef90_UPI00046FCEFE	R	L	R	R	K	T	P	E	I	D	F	A	F	D	E	S	V	A	Y	G	M	
UniRef90_G8LZT7	Q	L	R	Y	T	P	E	V	Q	F	E	L	D	N	S	I	E	H	G	M		
UniRef90_I1XIB3	K	L	R	L	M	P	E	L	Q	F	R	Y	D	T	T	L	E	H	G	F	M	
UniRef90_UPI000463B8B4	K	L	R	Y	I	P	E	I	I	F	K	F	D	D	S	L	E	R	G	M		
UniRef90_V5PSN4	H	I	H	T	V	P	T	L	H	F	H	F	D	Q	S	I	E	R	A	L		
UniRef90_Q82WC9	R	L	R	R	V	V	P	Q	L	Q	F	V	Y	D	E	S	V	I	E	R	G	M
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S F A K V Y V T H V L D N E E E R S E L V A A L L N A K A G Q F R R H Y I A K N R V L
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R D A T V Y Y T V F G T P D E K A S A T A A A L E N R R S K A K G V I R R R S K S E V V G G T R Q T
H D A T V Y F Y T V M G R T D D A E M D L N D V L K G L L N R R S K A K G V I R R R S K S E V V G G T R Q T
S L A K I Y F R S Y D D Q E R E K S A E L L Q R H R G K L R T R L I G A K G L
Q Q A T V F W T V L G D E D Q E R E K S A E L L Q R H R G K L R T R L I G A K G L
A H A K V F V T A L G D E Q A E E R S Q E A L K K G L R R A V A G E I R R F R L A R N V V
K N A T V F V A P L G G K D E E E G S Q E A L K K G L R R A V A G E I R R F R L A R N V V
H H A K V Y I L S V I G G D E E K E R K E T I D A L Q S R A A R G F I L S R K I V A S K K V L
H D A T V Y F Y T V R G R T D E E P D T D A A A E A I L H R T N S P L I K H E V L A G A D Q R V L
S I A K V Y L S I F F P S D K G A E K E D T L Q A E L R S E A S G F I A V N S S A Q N R V L
R H A K V Y L S I M G T D M G A S L V M A T A L V K E V L N E Q H N W F L R R R A V L A R N R L
S Y A K I Y F T S L R D M D R N K A S L V M A T A L V K E V L N E Q H N W F L R R R A V L A R N R L
S S A K I Y V S I F F S D E E Q Q V A S A A L L E S A K G V I R R S E V L G G T R Q T
R D A T V Y Y T V F G S S D E E Q Q V A S A A L L E S A K G V I R R S E V L G G T R Q T
S I T G Y L S I F F S D E E Q Q E I L K N I N A N A Q T Y I R R S Y S L L G G T R Q T
R I A T V Y Y T V L G N K E G E I E A T K E N L N A N A V G Y I R R S Y S L L G G T R Q T
R H A T V Y V D L L G G G D R E A V A T A L N H A A G F I Q R R E L L G G K Q I L
Q H A T I Y Y T L F G G T E A R Q E A E D S E L A K S K G I L R R R E L L G G K Q I L
S M A R V Y Y T Y I G D Y D R K I E M A E E L K K A S P I L R R R E L L G G K Q I L
R H A K I Y F I S K Q D Q I E L E K A L K R S M S F I R R Q S S L A S A K R M
K I A T V Y V M P L G G N D D V K P V T E A L T R N K K Y I R R A E L A G H T L
K Y A K L R V S V Y G D E D E A V R R G T V D A L N H A A G F I L R R M I L L A S K L
S H A K I F Y S F L P I N E E I S K E N V G K E I E E G L K E I R R M I L L A S K L
S I A K V F F S I F D D A E N K I E E A K M V L E Q A A S T Y L R R K A L L A S H N E L
U P I 0 0 0 3 5 E 7 9 7 8 S I A R V Y V S F V D A R G E A N A K L G V E A L N G A A S T Y L R R K L L A S H N E L
U N I R e f 9 0 _ R 6 R 6 9 6 S Y C K V Y I S S M S G M E S A K E A V K A L K N A A G Y V R R S E L A S G S R L L
U N I R e f 9 0 _ U P I 0 0 0 4 6 3 6 4 A 4 K I A T C F I T P L G S T D A Q A S V I K A L A A N A K F I L R R G R I L A P S G L
U N I R e f 9 0 _ J 3 A M V 5 R H A I C F V E P L G G A G I M N S P D E V V A G L N R A V A K F L R R G R L G A H S G L
U N I R e f 9 0 _ S 7 U M 2 0 S V A L V L L T Y S G G P E R H K Q V H E A L D R A S G F L R R S R L G K A L
U N I R e f 9 0 _ R 9 L C E 5 S H C K V Y I S A M E G F D A A K N A V A K G L D S A S G F L K R G I L N A R M
U N I R e f 9 0 _ V 4 P 4 8 6 R H A T V F V E P L M G T I A K E Q I G P A V A A L N T H S K F L R R H S K F I L
U N I R e f 9 0 _ U P I 0 0 0 4 1 9 9 4 2 B K H A L V Y A A P L G G G D M D K V I A G L Q R C S S F L R R G R L G G K E M
U N I R e f 9 0 _ A 4 Q E Z 1 H D A K V F Y T V R G R D A E E P D L L E A A E A L H R K A R G Q L R R K I V
U N I R e f 9 0 _ W 5 W R X 4 H D A T V F Y T V R G R D A E E P D L L E A A E A L T K R A R G R L R K I V
U N I R e f 9 0 _ U P I 0 0 0 1 C 3 7 3 A 6 S N C K I Y V S S F Q G M E K A I E S V K G L K S A E G F L K R E L F H R L
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U N I R e f 9 0 _ A 0 A 0 2 2 K Y 1 5 Q H A T V F Y T V F G D D E E R A A T A A G L A S A T G I L R R E V G G K Q T
U N I R e f 9 0 _ U P I 0 0 0 3 7 5 8 6 5 C K I A T C Y L V M P L G G K D A K A A I A A L A T N A K E R S K Q I R R Q L L G G R R V I
U N I R e f 9 0 _ F 8 E N I 9 G V A R I Y Y L S F L N A N N Q A L F D K I N E A K K S I R R G D L L G G R R I
U N I R e f 9 0 _ R 7 Z S F 9 S V A K I Y Y L S F L N A N N Q A L F D K I N E A K K S I R R G D L L G G R R I
U N I R e f 9 0 _ F 9 Z 3 Y 8 S Y A K I Y Y V S I F P S E R V I E A V M K S L E E K A T G F V R S F L L A K K V L
U N I R e f 9 0 _ M 1 N 9 S 1 R S A R I F Y T V S G G E K S G K V T A T A L V N A T K G F V R S H L A K V L
U N I R e f 9 0 _ U P I 0 0 0 3 7 4 7 4 D C H D A T L Y Y T V T G T D E E P D Y A G V A A A L E K A K G A L R T R V L G A G T
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U N I R e f 9 0 _ U P I 0 0 0 3 A 2 1 7 2 6 K L A T A F V M P L G G K D E A K V L K A L D D N R K Q I R R M L V V K R L
U N I R e f 9 0 _ U P I 0 0 0 4 7 C E 6 9 9 K L A T V Y V L P L G G K D V A G K V V A A L E R S H K F F V I R A E I A R N V I
U N I R e f 9 0 _ F 8 E 8 D 1 S L A R V Y V R S M F E D N L D E V L E G L K S T K F F I S Q L A N K K I
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U N I R e f 9 0 _ Q 7 U R R 1 R E A K V K V S V M G D E T Q A K N L S L R G L Q N S A G F L R Q S K I A N R M
U N I R e f 9 0 _ A 3 H U 1 4 G L A K V Y L S F L L A D P E S T A H K L I N D H R K K E I R H Q L A K R M
U N I R e f 9 0 _ N 0 E 3 I 7 Q H A S I F Y T V F G D E K Q R A T T A Y L L E N T N R G R L R S L V A K N L
U N I R e f 9 0 _ K 2 F F E 2 Q N A T V F V I P L G G K Q L P E V L A A L K E N S K Y F R K E V A Q K L
U N I R e f 9 0 _ C 6 W 5 Y 8 S I A R A Y L S F L P G E K N K T M L L E T I R E N T S R F L R Q K L A E R R V
U N I R e f 9 0 _ Q 6 F F 3 9 G Y A E V Y V T V M G D E Q S E A A N K E T I D V L N K A S R F L R R H E L L G S K R M
U N I R e f 9 0 _ O 6 5 6 9 3 Q V V K V Y V S V F G D D R G K D V A I A G L K S K A K Y V R K S E L L G S K R M
U N I R e f 9 0 _ U P I 0 0 0 3 7 B D 4 5 B K N A R V Y I M P L G G E N K S D V L D S L S K A N G R L K K L L G S N K L
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U N I R e f 9 0 _ Q 8 U J 5 2 K I A T A Y V T P L G G V A D H T D I I S A L N R N A K F M R G R L P Q L
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U N I R e f 9 0 _ Q 6 G 4 W 8 K I A C F V S P L S T V H N A S R A D V V N A L N K H S R F L R G E I S H S
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U N I R e f 9 0 _ R 5 C Q 1 2 K N C K V W I S V L G S P E E G T R T M Q G L K S A S G F I R S E L A R R V
U N I R e f 9 0 _ B 9 C N Y 3 S F M R F I S C E P D R Y E V V T A A C K R A K G R I R T G L L G H A L
U N I R e f 9 0 _ R 5 B B 6 6 S I A K T Y V S I F P S D K S E E V M K I L N D N V K A L R T G L L G H Q V
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U N I R e f 9 0 _ U 3 G U W 2 H D A T V F Y T V R G R N E E P D V A V A E A L K R A R G Q L R R K I M G K E V
U N I R e f 9 0 _ U P I 0 0 0 3 6 E 7 5 A 9 K H A T C L I S A L G R K D V K A I A E A L N H A S R G Y L R Q R A L M G G K E V
U N I R e f 9 0 _ A 0 A 0 5 8 Z M 2 4 K M A T A F V L P L G G E H A E E A L S A L R R N K S E L R R S L V G K Q M
U N I R e f 9 0 _ U P I 0 0 0 3 C 7 4 9 C F R E A T V F Y T V Y G D E E E R A A S A A A L E S A K G I L R S E V A G A Y Q T
U N I R e f 9 0 _ X 1 N 1 E 0 K I A T C F V S P I G A K D S D S V I A A L N Q H A K F I R S G R A
U N I R e f 9 0 _ U P I 0 0 0 4 7 5 F C E 0 S I A K V Y L S V F P G R D D S Q V I Y Q T L D E H V P Q I R H K L A A K I
U N I R e f 9 0 _ C 1 E A K 4 Q V V K V F V S I L L G D E R G K N A I N G L K K M E G Y V R O S T N I A K K V
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U N I R e f 9 0 _ V 2 Q A Y 7 D L A R I Y W T T Y N N D A L K G I Q A G L Q R S A S G F I R R K E I L K S V
U N I R e f 9 0 _ Q 4 9 3 T 6 K N A N I F V T F I N K D E G P E E I D T A V M I L Q R A S R F I R F L A N T M
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U N I R e f 9 0 _ U P I 0 0 0 3 8 2 3 5 1 F S I T A Y L S I F P S D K G E E L T A N I T K S E K A I R S F N L G Q R V
U N I R e f 9 0 _ G 7 V 9 V 9 S H A K V Y Y T T L R K E D R E E V Q K G L D K A S K I R S L L G R Q M
U N I R e f 9 0 _ G 2 L P M 6 S H A Q V F L S I F D T N K S I N K K I L I L N K S V G Y I R K L L C Q K M
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UniRef90_D3PEG0	R	L K K I P S L	E F Y I D D V V D E G L
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UniRef90_H8XRN7	R	L R R V P E L	I F Y L D D S L D Y
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UniRef90_R5APQ3	L	I R S A P A L	K F Q L D D S I A Y S V
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UniRef90_R9LCE5	K	L R K L P E F	K F I A D D S I A H
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UniRef90_I2EY21	R	L R I V P N L	Q F F I D D T A E Y A
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UniRef90_UPI00047CE699	N	L K F A P E V	R F K A D Q S F E
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UniRef90_D9QJ08	D	M R F T P D L	R F R H D E S F
UniRef90_S3JYX4	R	L R Q F P K L	T F I A D S S K E G M
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UniRef90_U2TLX9	G	W R V T P E L	I F E I D T T A D E A
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UniRef90_R5BB66	Q	L R I V P E I	V F Y L D D T L D Y A
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UniRef90_U3GUW2	G	V R Y T P T L	S F S H D T
UniRef90_UPI00036E75A9	D	L K F T P K L	R F E E D T R F E E A
UniRef90_A0A058ZM24	A	L K H T P D L	K F Q L D V T F D Q
UniRef90_UPI0003C749CF	G	V R F T P T L	T F V P D A L P D N A
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UniRef90_UPI000475FCE0	K	V R K I P E L	H F Y V D D T A E Y
UniRef90_C1EAK4	S	L R L T P D I	R F V Y D D S F E R G
UniRef90_F2NTH1	S	I Y R F P K L	T F V A D D S M K E G
UniRef90_V2QAY7	R	S K K V P K L	E F I I D D S R Q E A
UniRef90_Q493T6	C	I R V A P T L	F F K Y D D S L I E G
UniRef90_F2CYZ7	K	L R L T P E I	R F I E D E S M E R G
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UniRef90_G7V9V9	H	L R Q I P E L	R F E Y D
UniRef90_G2LPM6	K	L R I M P N I	I F Y Y D D T L L K G
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UniRef90_U2KGP6
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