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QUERY	T	G	K	I	R	D	V	M	D	I	P	A	P	P	G	D	I	R	N	V	I	A	A	L	L	S	D	D	A	E	S	S	V	L	L	T	E	Q	L	L	F	Q	Y	R	F	F	K	E
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UniRef90_W0EBJ9	T	S	G	K	L	R	D	E	L	G	M	L	P	P	G	D	I	R	N	V	I	A	A	L	L	S	D	D	A	E	S	S	V	L	L	T	E	Q	L	L	F	Q	Y	R	F	F	K	E
UniRef90_B0C0C4	T	S	G	R	L	R	D	E	M	G	L	P	P	P	G	D	I	R	N	V	I	A	A	L	L	S	D	D	A	E	S	S	V	L	L	T	E	Q	L	L	F	Q	Y	R	F	F	K	E
UniRef90_UPI00040CF5AE	T	S	G	I	L	R	D	E	M	Q	M	P	P	P	G	D	I	R	N	V	I	A	A	L	L	S	D	D	A	E	S	S	V	L	L	T	E	Q	L	L	F	Q	Y	R	F	F	K	E
UniRef90_I7LGu6	T	S	G	I	L	R	D	E	L	G	M	L	P	P	G	D	I	R	N	V	I	A	A	L	L	S	D	D	A	E	S	S	V	L	L	T	E	Q	L	L	F	Q	Y	R	F	F	K	E
UniRef90_B7GL37	T	S	G	R	L	R	D	E	L	D	M	P	P	P	G	D	I	R	N	V	I	A	A	L	L	S	D	D	A	E	S	S	V	L	L	T	E	Q	L	L	F	Q	Y	R	F	F	K	E
UniRef90_R7RT38	T	S	G	K	L	R	D	E	L	G	M	L	P	P	G	D	I	R	N	V	I	A	A	L	L	S	D	D	A	E	S	S	V	L	L	T	E	Q	L	L	F	Q	Y	R	F	F	K	E
UniRef90_UPI0003052031	T	G	K	I	R	D	E	M	D	I	P	A	P	P	G	D	I	R	N	V	I	A	A	L	L	S	D	D	A	E	S	S	V	L	L	T	E	Q	L	L	F	Q	Y	R	F	F	K	E
UniRef90_A4J902	T	S	G	R	L	R	D	E	L	G	M	L	P	P	G	D	I	R	N	V	I	A	A	L	L	S	D	D	A	E	S	S	V	L	L	T	E	Q	L	L	F	Q	Y	R	F	F	K	E
UniRef90_UPI00031F4F07	T	S	G	R	L	R	D	E	Y	D	I	P	P	P	G	D	I	R	N	V	I	A	A	L	L	S	D	D	A	E	S	S	V	L	L	T	E	Q	L	L	F	Q	Y	R	F	F	K	E
UniRef90_UPI00037D1689	T	S	G	R	L	R	D	E	L	S	M	V	P	P	G	D	I	R	N	V	I	A	A	L	L	S	D	D	A	E	S	S	V	L	L	T	E	Q	L	L	F	Q	Y	R	F	F	K	E
UniRef90_UPI00047CF2EC	T	S	G	R	L	R	D	E	L	G	M	L	P	P	G	D	I	R	N	V	I	A	A	L	L	S	D	D	A	E	S	S	V	L	L	T	E	Q	L	L	F	Q	Y	R	F	F	K	E
UniRef90_H2JHC1	T	S	G	V	L	R	D	E	L	G	M	L	P	P	G	D	I	R	N	V	I	A	A	L	L	S	D	D	A	E	S	S	V	L	L	T	E	Q	L	L	F	Q	Y	R	F	F	K	E
UniRef90_D9SQ89	T	S	G	D	L	R	D	E	L	G	M	L	P	P	G	D	I	R	N	V	I	A	A	L	L	S	D	D	A	E	S	S	V	L	L	T	E	Q	L	L	F	Q	Y	R	F	F	K	E
UniRef90_UPI00034A4659	T	S	G	R	L																																											

QUERY
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UniRef90_B9DJL0
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90
100
110
120

N N Q V D G H S L G N N L L L A A G M T N I I K N D D F D G G H A A K E L S K K I V L N N I I K G Q V
N E T L G G G H S L L G N N L L L A A A L T N I I K N D D F D G G H A A K E L S K K I V L N N I I K G Q V
U N I R E F 9 0 _ U P I 0 0 0 3 1 8 6 F A 9 G K L G G G H S L L G N N L L L A A A S M T E N I V T T G D D F F G G H Q Q A V V K K E L S S K K I V L L L A I I K K G G Q Q
U N I R E F 9 0 _ B 8 C Y G 7 Q V L E G G H S F F G N N L L L A A A M T E N I V T T G D D F F G G H Q Q A V V K K E L S S K K I V L L L A I I K K G G Q Q
U N I R E F 9 0 _ B 9 D J L 0 N D L K G G H S L L G N N L L L A A A T M T E N I V T T G D D F F G G H Q Q A V V K K E L S S K K I V L L L A I I K K G G Q Q
U N I R E F 9 0 _ U P I 0 0 0 3 5 D A 4 9 F G D L K G G H S L L G N N L L L A A A T M T E N I V T T G D D F F G G H Q Q A V V K K E L S S K K I V L L L A I I K K G G Q Q
U N I R E F 9 0 _ F 0 P 8 6 4 N E L S S G H S L L G N N L L L A A A M T S E I V T T G G D D F F G G H Q Q A V V K K E L S S K K I V L L L A I I K K G G Q Q
U N I R E F 9 0 _ U P I 0 0 0 3 0 4 C 8 E 2 G D L S A G H N F F G N N L F L I A A T A M T S E I V T T G G D D F F G G H Q Q A V V K K E L S S K K I V L L L A I I K K G G Q Q
U N I R E F 9 0 _ U P I 0 0 0 3 5 E 4 6 9 B G G L S A G H N F F G N N L F L I A A T A M T S E I V T T G G D D F F G G H Q Q A V V K K E L S S K K I V L L L A I I K K G G Q Q
U N I R E F 9 0 _ I 8 S 5 D 6 N Q V L E G G H A F F G N N L L L A A A M T N I V T T G D D F F G G H Q Q A V V K K E L S S K K I V L L L A I I K K G G Q Q
U N I R E F 9 0 _ K 9 A M 9 8 G M L K K G Q S F F G N N L F L I A A A M D G E I V T T S G G D D F F G G H Q Q A V V K K E L S S K K I V L L L A I I K K G G Q Q
U N I R E F 9 0 _ A 3 D B M 6 G D L K K G H S F F G N N L F L I A A A T M S E I V T T S G G D D F F G G H Q Q A V V K K E L S S K K I V L L L A I I K K G G Q Q
U N I R E F 9 0 _ L 0 K 9 M 2 G E L L G G H S F F G N N L F L I A A T L S K S I V T T L G G D D F F G G H Q Q A V V K K E L S S K K I V L L L A I I K K G G Q Q
U N I R E F 9 0 _ D 9 Q U 7 4 G E N L S G G H A F F G N N L L L A A A M T S I V T T T H H Q Q A V V K K E L S S K K I V L L L A I I K K G G Q Q
U N I R E F 9 0 _ K 6 D H Z 7 G G L K K N H S F F G N N L L L A A T A M T S I V T T T H H Q Q A V V K K E L S S K K I V L L L A I I K K G G Q Q
U N I R E F 9 0 _ K 9 Y L 6 6 G M L K K G Q S F F G N N L F L I A A A M D G E I V T T S D D S F F E E Q A V V K K A M S D V V L L A V V T T G G Q Q
U N I R E F 9 0 _ U P I 0 0 0 1 E 2 E 3 0 7 G S L S S G H S F F G N N L F L I A A T A M A S E I T T T G G D D F F E E Q A V V K K A M S D V V L L A V V T T G G Q Q
U N I R E F 9 0 _ U P I 0 0 0 3 4 8 9 A 7 F N E L T T G H S L L G N N L L L A A A M T S I V T T T G G D D F F V H H A I R E M S K V V L L N V V K K G G Q Q
U N I R E F 9 0 _ A 6 C N E 6 G N L S G G H S M G N N L L L Y I A A M T E I V T T G G D D F F E E Q A V V K K A M S D V V L L A V V T T G G Q Q
U N I R E F 9 0 _ D 5 D N B 9 G G L S E G H S F F G N N L F L I A A A M T E I V T T G G D D F F E E Q A V V K K A M S D V V L L A V V T T G G Q Q
U N I R E F 9 0 _ Q 8 E N L 4 G D L S G H S F F G N N L F L I A A T A M A S E I T T T G G D D F F E E Q A V V K K A M S D V V L L A V V T T G G Q Q
U N I R E F 9 0 _ M 5 E 2 W 7 G G L S G G H S F F G N N L F L I A A M A E I V T T G G D D F F E E Q A V V K K A M S D V V L L A V V T T G G Q Q
U N I R E F 9 0 _ Q 5 5 5 7 5 G D L S G H S F F G N N L F L I A A M A A I T T S G G D D F F E E Q A V V K K A M S D V V L L A V V T T G G Q Q
U N I R E F 9 0 _ T 2 J D 2 8 G E L T T G Q S F F G N N L F L I A A M D G I V T T S S N F F E E Q A V V K K A M S D V V L L A V V T T G G Q Q
U N I R E F 9 0 _ R 4 K 9 I 9 G D L V G H S F F G N N L F L I A A M S D I T T S G G D D F F E E Q A V V K K A M S D V V L L A V V T T G G Q Q
U N I R E F 9 0 _ K 9 U 7 9 8 G T L K G H S L G N N L L L A A G L A D T T F T D S D F F E E Q A V V K K A M S D V V L L A V V T T G G Q Q
U N I R E F 9 0 _ W 0 E B J 9 G D L A G H S F F G N N L F L I A A M S D I T T F T D S D F F E E Q A V V K K A M S D V V L L A V V T T G G Q Q
U N I R E F 9 0 _ B 0 C 0 C 4 G K L A G H S L G N N L L L A A A M T D I V T T A S G D F F V A G V R E L S S Q V V L L A V V R G G Q Q
U N I R E F 9 0 _ U P I 0 0 0 4 0 C F 5 A E G D L K K G Q S F F G N N L F L I A A A M N A I S T S G D F F L E H A V R K K M G K V V L L A V V R Q Q
U N I R E F 9 0 _ I 7 L G U 6 G N L S G G H S L G N N L L L A A A M T A I S S G D F F V H H A V R K K M G K V V L L A V V R Q Q
U N I R E F 9 0 _ B 7 G L 3 7 G E L K G G Q S F F G N N L F L I A A A M N G I S S N F F E E A V K K M S D V L L A V V K K G G Q Q
U N I R E F 9 0 _ R 7 R T 3 8 N Q V L E G H S L G N N L L L A A A L T N N M S D D D F F G G A V K K A L S K K I V L L A V V R G G Q Q
U N I R E F 9 0 _ U P I 0 0 0 3 0 5 2 0 3 1 G E L A G H N L L G N N L L L I A A G L N N V I T T G G D D F F V T Q G V R Q E L S R V L L A V V R G G Q Q
U N I R E F 9 0 _ A 4 J 9 0 2 S D L A G G H S L L G N N L L M I T A L T D I V T T G G D D F F S S A V R A E M S K V V L L A V V H G G Q Q
U N I R E F 9 0 _ U P I 0 0 0 3 1 F 4 F 0 7 G R L A G G H S L L G N N L L L A A A M Q S D I T T T G D D F F V T Q G V R Q E L S R V L L A V V R G G Q Q
U N I R E F 9 0 _ U P I 0 0 0 3 7 D 1 6 8 9 G G L S G H S L G N N L L L A A A M S D I T T T G D D F F V T Q G V R Q E L S R V L L A V V R G G Q Q
U N I R E F 9 0 _ U P I 0 0 0 4 7 C F 2 E C G M L K K G Q S F F G N N L F L I A A A M D G I S S D S F F E E A V K K M S D V V L L A V V T T G G Q Q
U N I R E F 9 0 _ H 2 J H C 1 G R L K N G Q S F F G N N L F L I A A A M D G I S S V N F F E E A V K K M S D V V L L A V V R G G Q Q
U N I R E F 9 0 _ D 9 S Q 8 9 G N L S G G H S L G N N L L L A A G M T S I T T G D D F F A R G I V T E M S K V V L L A V V R G G Q Q
U N I R E F 9 0 _ U P I 0 0 0 3 4 A 4 6 5 9 G E L A G H S F F G N N L F L I T V M A E I T T G D D L E K G V E A S S K V V L L A V V R G G Q Q
U N I R E F 9 0 _ U 5 Q P 7 6 G E L E G H S F F G N N L F L I T A L C M V R A V T E M S K V V L L A V V R G G Q Q
U N I R E F 9 0 _ R 5 H L U 1 G N L S G H S L L G N N L L L A A G M T S I T T G D D F F A R G I V T E M S K V V L L A V V R G G Q Q
U N I R E F 9 0 _ U P I 0 0 0 3 F E 9 C D 0 G E L A G H S L L G N N L L L A A A M T S I T T G D D F F V T A V R Q E M S R V V L L A V V R G G Q Q
U N I R E F 9 0 _ U P I 0 0 0 3 6 4 3 C 6 F N E L C G H S L L G N N L L M I A A A T S I K G G D F F V R A V R E M S R V V L L A V V R G G Q Q
U N I R E F 9 0 _ G 9 Q J R 0 G N L T G H S F F G N N L F L I A A M S D I S S G D D F F V S A V R E L S K V V L L A V V R G G Q Q
U N I R E F 9 0 _ K 9 T H M 3 G E L D G H S L L G N N L L L A A A M T E I T T G D D F F V S A V R E L S K V V L L A V V R G G Q Q
U N I R E F 9 0 _ M 1 Z H K 7 G E L T G H S L L G N N L L L A A G L T D T F T G D D F F Q K G I R E K L S K V V L L A V V R G G Q Q
U N I R E F 9 0 _ G 2 F Z 3 8 G R L K N G Q S F F G N N L F L I A A M D G I S S D N F F E D A V Q K M S S V V L L A V V T T G G Q Q
U N I R E F 9 0 _ U 2 N J 2 9 G N L S G H S L L G N N L L L A A G M T S I T T G D D F F A K G I A E L S K V V L L A V V R G G Q Q
U N I R E F 9 0 _ D 3 F Y A 4 N E L S G H S L L G N N L L I L A A A M K D I T T G D D F F L T G I R E M S R V V L L A V V R G G Q Q
U N I R E F 9 0 _ W 4 R K H 6 G T L A G H S L L G N N L L I L A A A L T S I S T G D F F V H H A I R E M S R V V L L A V V R G G Q Q
U N I R E F 9 0 _ W 2 E C C 1 N E L S G H S L L G N N L L I L A A A L T S I S T G D F F V H H A I R E M S R V V L L A V V R G G Q Q
U N I R E F 9 0 _ U P I 0 0 0 1 8 5 1 3 5 B G N L S G H S L L G N N L L I L A A A M T S I T T G D D F F V H H A I R E M S R V V L L A V V R G G Q Q
U N I R E F 9 0 _ U P I 0 0 0 1 E 8 9 C E 4 G N L T G H S F F G N N L F L I A A L I E V L G D V E E A M D A T S K V V L L A V V R G G Q Q
U N I R E F 9 0 _ G 0 V R G 4 G S L K G H S F F G N N L F L I A A M T D I T T G D D F F E E A V K K A M S R V V L L A V V R G G Q Q
U N I R E F 9 0 _ D 9 S 2 J 9 G D L S G H S F F G N N L F L I T A L S D I T T G D D L E R A V A A M S K V V L L A V I S G G Q Q
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U N I R E F 9 0 _ U P I 0 0 0 3 6 C 3 3 F 9 N D L K G G H S F F G N N L M L T A A M T E I T T G D D F F N K A V K L M S E V V L A V V R G G Q Q
U N I R E F 9 0 _ F 2 F 0 6 0 G S L K G G Q S F F G N N L F L I A A M T G I A G S D F F E H A I A A S S K V V L A V V R G G Q Q
U N I R E F 9 0 _ A 4 X I N 1 G E L S G H S F F G N N L F L I T A M N D I T T G D D L D R A I A A S S K V V L A V V R G G Q Q
U N I R E F 9 0 _ U P I 0 0 0 3 4 7 3 D 3 6 G D L M G H S F F G N N L F L I T A M T D I T T G D D F F E R A I A A S S H Q V L L A V V R G G Q Q
U N I R E F 9 0 _ U P I 0 0 0 3 4 5 E D E B G S L A G H S L L G N N L M L A A M T D I T T G D D F F V T G V R E L S Q V L L A V V R G G Q Q
U N I R E F 9 0 _ L 0 E I T 3 G D L M G H S F F G N N L F L I A A M S E I T T G D D L E Q A V V A S S K V V L A V I K G G Q Q
U N I R E F 9 0 _ K 9 P Y W 9 G E L K G H A L G N N L M L A A M T E I T T G D D F F A R G I N A M S R V V L A V V K G G Q Q
U N I R E F 9 0 _ U P I 0 0 0 3 B 7 A D 3 9 G N L S G H S L L G N N L L L A A G M T S I V T T G D D F F T K A G I S E L S S K V V L A V I R G G Q Q
U N I R E F 9 0 _ W 4 Q J 5 9 G N L E G H S F F G N N L F L I S A L C A I T T G D D M V T A V K E S S K V V L A V I R G G Q Q
U N I R E F 9 0 _ K 2 D E M 7 G E L T G H A L G N N L L L A A G M T A I T T G D D F F S H A I T E M S R V V L A V V R G G Q Q
U N I R E F 9 0 _ U P I 0 0 0 3 6 F B A E 6 D D L G G H S L L G N N L L L T A A L T D I T T G D D F F S H A I T E M S R V V L A V V R G G Q Q
U N I R E F 9 0 _ S 2 Y F Q 3 G N L S G H S M G N N L L L A A M T S I T T G D D F F Y T G I K E L S R V V L A V V K G G Q Q
U N I R E F 9 0 _ U P I 0 0 0 4 2 5 8 8 E F G M L A G H S F F G N N L F L I A A M N E I V T T D D V E L A I K E S S K V V L A V V R G G Q Q
U N I R E F 9 0 _ F 7 N H 1 8 G N L S G H T L G N N L L L A G I T E I T T G D D F F A K G I S E L S R V V L A V V R G G Q Q
U N I R E F 9 0 _ U P I 0 0 0 4 7 C A 2 0 9 E A L K G H S L L G N N L M L T A A L T E I T T G D D F F S H A I R E L S R V V L A V V R G G Q Q
U N I R E F 9 0 _ U P I 0 0 0 2 8 8 A E 6 B G T V K G H P V L G N N L M L A A M T D I T T G D D F F S T A V K K V M S K V V L A V V R G G Q Q
U N I R E F 9 0 _ F 3 A 6 9 2 G E L A G H N L L G N N L L L A A L N H M A G G G F F H E A V Q A L L A S K V V L A V V R G G Q Q
U N I R E F 9 0 _ C 0 Z 6 N 9 G D L A G H N L L G N N L L L A A A M N E I T T G D D F F V T A V K K T L A S V V L A V V R G G Q Q
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U N I R E F 9 0 _ K 0 J 2 Q 1 G R L E N Q N F F G N N L F L I A A M D G I T T G D D F F E A I K K K T C K V V L A V V T G R Q Q
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A S F L D F V I C S S N T G D F P K K E I L A L R Y Y K E E E D A S K Q Q V D F D R H K K V L T K E S M Q
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S E I M D Y I L V N N E Q I P A E L L K K K Y A E E E G A S P V E V D S R E K L E K L
S E I V D Y I L V N N E Q I P A E L L A K Y A E E E G A S P V E V D S R E K L E K L
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P G L V D D P I H G L A I P S E S V S K R Y A M E D A S Y P V I V D N R E N L T L M
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UniRef90_G0VRG4 G A T L I L S D L L I N K E N S A T H D T K K L A N V L F D L I N A L R T D
UniRef90_D9S2J9 G C N V I F G E L L S H T D V I R H H D P L K L A K V I M D I L
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UniRef90_UPI00036C33F9 G L D V I S E P I A D Y K S G L V R H H D S L K L S E I I F Q I I K E
UniRef90_F2F060 G L N I I P K E I A L I E N G T I R H H D A V N L A E W L F E Y T V K K R Q T
UniRef90_A4XIN1 S G Y V L T E D G L E N I S N G L V R H H N S A K L A R V I S N L I Y
UniRef90_UPI0003473D36 N C P I L L A N V M Q E M P D G K V R H H D P D R L A G V L M R W Y N R
UniRef90_UPI0003045E469B G R R I V A Q V M I E D F A K K Q V C H H D P H R L A R V L Q W Y N Q D V
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UniRef90_UPI0003B7AD39 G C H A V A D N L L L Y Q S V L R H H D A D R I S A H I L R L I R E R M A Q
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UniRef90_F7NH18 G V E P V M A N I I S E T S L V R H H N S A Q L S R I L M D M V E K
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UniRef90_UPI000288AE6B D I E V I Q A D I A T I K D G T V R H H K A I R V A E W L Y N Y T N E E R
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UniRef90_I8AMU8 G Y E V I S E N I I H Y G T L I R H H N A K R V S E L L I S C L L K G K A P
UniRef90_V9H579 G V E V E A S L A K I E K G Y V K H H N D S E Y I A E V L V D T I M E K K
UniRef90_U7UKY9 G A V I I R A D L V D K E K G V I R H H D T K R L A D V L F D L I N A V R T D
UniRef90_Q7VDP6 G Y R L F K A S L Q S K I T S K S V L R H H D P R K L S L A V M R F Y K K Y K R D
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UniRef90_K9AM98	I Q Y N P
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UniRef90_W2ECC1	K R
UniRef90_UPI000185135B	I E
UniRef90_UPI0001E89CE4	
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UniRef90_W4QJS9	
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UniRef90_S2YFQ3	I K
UniRef90_UPI00042588EF	
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UniRef90_G8MX10	
UniRef90_I8AMU8	I K
UniRef90_V9H579	
UniRef90_U7UKY9	I
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UniRef90_N4WNF5	
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UniRef90_I9ABT1	
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UniRef90_R5SVS4	K	G	A	K	I	V	A	I	G	G	G	G	T	G	L	L	S	S	M	L	L	R	R	G	I	K	K	Y	T	N	N	V	I	T	A	I	V	T	V	A	D	D	G	G	S	S				
UniRef90_D9TL10	G	P	K	V	V	V	I	I	G	G	G	G	T	G	L	L	S	S	T	M	L	R	R	G	L	K	H	Y	T	H	N	N	V	I	T	A	I	V	T	V	A	D	D	G	G	S	S			
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UniRef90_UPI000365ACEA	K	L	V	V	I	I	I	I	G	G	G	G	T	G	L	L	S	S	V	L	L	R	R	G	L	K	E	Y	D	V	E	I	T	A	I	V	T	V	A	D	D	G	G	S	S					
UniRef90_UPI000369AC3	R	G	P	R	I	V	V	V	G	G	G	G	T	G	L	L	S	S	T	L	L	R	R	G	L	K	K	Y	T	S	N	N	V	I	T	A	I	V	T	S	V	A	D	D	G	G	S	S		
UniRef90_Q2RLU5	R	G	P	H	L	V	V	I	G	G	G	G	T	G	L	L	S	S	A	V	L	L	R	R	G	L	K	K	N	Y	T	R	N	N	V	I	T	A	I	V	T	S	V	A	D	D	G	G	S	S
UniRef90_R6J6L3	R	G	P	A	I	T	V	V	G	G	G	G	T	G	L	L	S	S	T	L	L	R	R	G	L	M	K	Y	T	N	N	V	I	T	A	I	V	T	V	A	D	D	G	G	S	S				
UniRef90_R5BEL1	K	G	P	K	V	V	V	I	G	G	G	G	T	G	L	L	S	S	V	L	L	R	R	G	L	M	K	T	H	T	S	N	N	V	I	T	A	I	V	T	V	A	D	D	G	G	S	S		
UniRef90_UPI00037AD2D3	R	Q	A	K	V	V	A	I	G	G	G	G	T	G	L	L	S	S	V	L	L	R	R	G	L	M	K	T	H	T	S	N	N	V	I	T	A	I	V	T	V	A	D	D	G	G	S	S		
UniRef90_R5IXU5	R	Q	P	R	I	A	A	I	G	G	G	G	T	H	G	L	L	S	A	M	L	R	R	G	L	K	A	Y	T	R	D	I	T	A	I	V	T	V	A	D	D	G	G	S	S					
UniRef90_C2ETF7	K	P	K	I	V	V	I	I	G	G	G	G	T	G	L	L	S	S	P	V	V	L	R	R	G	L	R	D	Q	S	N	A	D	N	I	T	A	I	V	T	V	A	D	D	G	G	S	S		
UniRef90_K9V6A2	K	K	I	V	V	I	I	I	G	G	G	G	T	G	L	L	S	S	N	I	L	R	R	G	L	K	K	Y	T	N	N	V	I	T	A	I	V	T	V	A	D	D	G	G	S	S				
UniRef90_F5L3I6	Q	K	K	R	V	V	A	I	G	G	G	G	T	G	L	L	S	S	T	L	L	R	R	G	L	K	K	A	D	D	N	I	T	A	I	V	T	V	A	D	D	G	G	S	S					
UniRef90_I4BW47	R	G	T	P	Y	I	V	A	I	G	G	G	T	G	L	L	S	S	T	L	L	R	R	G	L	K	C	F	T	R	N	N	V	I	T	A	I	V	T	V	A	D	D	G	G	S	S			
UniRef90_W4EQF3	R	N	T	R	I	V	I	L	G	G	G	G	T	G	L	L	S	S	T	L	L	R	R	G	L	K	K	F	P	D	I	T	A	I	V	T	V	A	D	D	G	G	S	S						
UniRef90_R6WPA8	R	G	P	A	I	T	V	V	G	G	G	G	T	G	L	L	S	S	T	L	L	R	R	G	L	M	K	Y	T	N	N	V	I	T	A	I	V	T	T	V	A	D	D	G	G	S	S			
UniRef90_C9LXL2	K	G	P	Q	V	T	V	I	G	G	G	G	T	H	G	L	L	S	V	L	L	R	R	G	L	I	K	Q	A	T	S	N	N	V	I	T	A	I	V	T	V	A	D	D	G	G	S	S		
UniRef90_M1ZGL7	K	G	P	K	V	V	V	I	G	G	G	G	T	G	L	L	S	S	V	L	L	R	R	G	L	I	K	E	S	T	S	N	N	V	I	T	A	I	V	T	V	A	D	D	G	G	S	S		
UniRef90_UPI00035E1BED	R	G	P	V	I	T	V	I	G	G	G	G	T	G	L	L	S	S	V	L	L	R	R	G	L	K	Q	T	N	N	V	I	T	A	I	V	T	S	A	D	D	G	G	S	S					
UniRef90_U2QJ10	G	P	K	V	A	V	I	I	G	G	G	G	T	H	G	L	L	S	N	M	L	R	R	G	L	K	Q	Y	T	E	N	N	V	I	T	A	I	V	T	V	A	D	D	G	G	S	S			
UniRef90_UPI000470C0A9	R	K	K	V	V	V	F	I	G	G	G	G	T	G	L	L	S	T	L	L	R	R	G	L	K	K	Y	P	D	I	T	A	I	V	T	V	A	D	D	G	G	S	S							
UniRef90_T4VVV4	E	K	P	R	V	V	V	I	G	G	G	G	T	G	L	L	S	V	F	L	L	R	R	G	L	K	H	Y	T	P	N	I	T	A	I	V	T	V	A	D	D	G	G	S	S					
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UniRef90_K9SU15	R	G	A	K	L	V	A	I	G	G	G	G	T	G	L	L	S	S	N	L	L	R	R	G	L	K	R	Y	S	A	N	N	V	I	T	A	I	V	T	V	A	D	D	G	G	S	S			
UniRef90_D6Y121	K	A	K	V	A	V	I	I	G	G	G	G	T	G	L	L	S	S	V	L	L	R	R	G	L	K	T	F	P	V	D	I	T	A	I	V	T	V	A	D	D	G	G	S	S					
UniRef90_R4KK38	R	G	P	R	V	V	V	I	G	G	G	G	T	G	L	L	S	P	V	L	L	R	R	G	L	K	Q	Y	T	G	N	N	V	I	T	A	I	V	T	V	A	D	D	G	G	S	S			
UniRef90_L1QJH4	G	P	K	V	V	V	I	I	G	G	G	G	T	G	L	L	S	T	M	L	R	R	G	L	K	L	Y	T	D	N	N	V	I	T	A	I	V	T	V	A	D	D	G	G	S	S				
UniRef90_W1WJH6	K	G	P	K	I	V	V	I	G	G	G	G	T	G	L	L	S	S	T	M	L	R	R	G	L	K	Y	Y	T	S	N	N	V	I	T	A	I	V	T	V	A	D	D	G	G	S	S			
UniRef90_M7NAI5	K	K	R	I	V	A	I	I	G	G	G	G	T	G	L	L	S	T	L	L	R	R	G	L	K	Q	Y	D	V	D	I	T	A	I	V	T	V	A	D	D	G	G	S	S						
UniRef90_A8MLX0	R	G	P	R	V	V	V	I	G	G	G	G	T	G	L	L	S	V	L	L	R	R	G	L	K	L	F	T	S	N	N	V	I	T	A	I	V	T	V	A	D	D	G	G	S	S				
UniRef90_D5WR99	R	P	R	V	V	V	I	I	G	G	G	G	T	G	L	L	S	V	L	L	R	R	G	L	K	M	H	E	V	D	I	T	A	I	V	T	V	A	D	D	G	G	S	S						
UniRef90_E1L7F0	K	G	P	K	I	V	V	I	G	G	G	G	T	G	L	L	S	N	L	L	R	R	G	L	K	A	H	T	S	N	N	V	I	T	A	I	V	T	V	A	D	D	G	G	S	S				
UniRef90_B2A6Z9	G	P	K	I	V	A	I	I	G	G	G	G	T	G	L	L	S	T	L	L	R	R	G	L	K	G	F	T	R	N	N	V	I	T	A	I	V	T	V	A	D	D	G	G	S	S				
UniRef90_D1BA16	G	P	K	I	V	A	I	I	G	G	G	G	T	G	L	L	S	T	L	L	R	R	G	L	K	G	F	T	R	N	N	V	I	T	A	I	V	T	V	A	D	D	G	G	S	S				
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UniRef90_A5GQG0	R	G	P	N	I	V	A	I	G	G	G	G	T	G	L	L	S	T	L	L	R	R	G	L	K	R	Y	S	G	N	N	V	I	T	A	I	V	T	V	A	D	D	G	G	S	S				
UniRef90_F8I9X2	R	R	G	P	K	I	V	A	I	G	G	G	T	G	L	L	S	P	V	V	L	R	R	G	L	K	Q	F	T	A	N	N	V	I	T	A	I	V	T	V	A	D	D	G	G	S	S			
UniRef90_F2JLU5	R	Q	N	K	K	I	V	V	I	G	G	G	T	G	L	L	S	T	M	L	R	R	G	L	K	K	Y	T	S	Q	I	T	A	I	V	T	V	A	D	N	G	G	G	S	S					
UniRef90_K0B278	K	G	P	K	I	V	V	I	G	G	G	G	T	G	L	L	S	V	L	L	R	R	G	L	K	E	Y	T	S	N	N	V	I	T	A	I	V	T	V	A	D	D	G	G	S	S				
UniRef90_S0P5U1	K	P	K	V	V	V	L	I	G	G	G	G	T	G	L	L	S	P	V	I	L	R	R	G	L	K	N	Q	G	V	D	I	T	A	I	V	T	V	A	D	D	G	G	S	S					
UniRef90_B1YLE9	K	V	V	A	I	I	I	I	G	G	G	G	T	G	L	L	S	T	L	L	R	R	G	L	K	H	Y	P	L	D	I	T	A	I	V	T	V	A	D	D	G	G	S	S						
UniRef90_B2V8P0	M	K	V	V	A	I	I	I	G	G	G	G	T	G	L	L	S	T	L	L	R	R	G	L	K	Y	F	V	P	D	I	T	A	I	V	T	V	S	D	N	G	G	S	S						
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UniRef90_E4L7K5	K	G	V	H	V	V	I	I	G	G	G	G	T	H	G	L	L	S	M	L	L	R	R	G	M	K	K	R	T	S	N	N	V	I	T	A	I	V	T	V	A	D	D	G	G	S	S			
UniRef90_C7XW67	K	P	K	I	V	I	I	I	G	G	G	G	T	G	L	L	S	P	V	I	L	R	R	G	L	R	D	Q	N	V	D	I	T	A	I	V	T	V	A	D	D	G	G	S	S					
UniRef90_D1AI43	K	G	P	R	I	V	V	I	G	G	G	G	T	G	L	L	S	S	M	L	L	R	R	G	L	K	Q	Y	T	D	N	N	V	I	T	A	I	V	T	M	A	D	D	G	G	S	S			
UniRef90_K9UNB7	R	G	P	K	I	V	A	I	G	G	G	G	T	G	L	L	S	T	L	L	R	R	G	L	K	L	Y	S	A	N	N	V	I	T	A	I	V	T	V	A	D	D	G	G						

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UniRef90_H5T5M6 Y P S S E E S L T L H A V F K D D G T T A V G E S S N I A T D R K V I D H V V T N N
UniRef90_V6Q3L2 Y P A S E K S L T L H A T Y T D D G S T A M G E S T I A Q N G K Q I K R V H V T N N
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UniRef90_I9L3E6 Y P A A N E A L T L H G R F K D D G T E L V G E A E I T A A H K S L E R V W V T G
UniRef90_G2SMN1 Y P A S D K P L T L N A A F T D D G T V I V G E A E I S A A G H K T I D N V W L L P
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UniRef90_UPI000478A997 L P V T L E N M T L Y A K L E N G T I V E G E S S N I P Q K N S P I K K I S I N L P
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UniRef90_K1LEA3 Y P A A E E P L I L N A L F E D D G S I A V G E S S K I A Q H R K K I E E V N V G H
UniRef90_R7HMZ7 L P F T E E N P V L I A H T T D D G K I I E G E S S N I T K A G K E I D Y I E Y K N
UniRef90_Q1GB33 Y P S A N E P L T L N A E F M D D G S Q S S G E V E I T S Q H K K I K R V W V T T P
UniRef90_UPI000248FE76 Y P V A N E P L V L N A E F M D D G S E L S G E S E I T A A H K K E I K R V W V T P
UniRef90_UPI0004065F13 Y P S S E T P L T L H A V F T D D G T E V V G G E S S N I A N Y K G M I G H V V T N
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	170	180	190	200
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UniRef90_D9TL10	K R D A M P V L P E E S A I L T A I	L N A D M G I I L L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_A6NZ74	E R P A A L P E E S A I L T A I	G E A D M G I I L L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_UPI000365ACEA	P D I S P L P E E V I Q A I L	Q E A D A D I V I L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
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UniRef90_Q2RLU5	A D C R P P P A A L P E E V I Q A I L	E Q A D A D I V I L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_R6J6L3	A D A P A T A S A A V L Q A I L	L N A D D L I I L F G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_R5BEL1	A L P Q P P Q G A A L V Q A I L	D E A D A D I V I L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_UPI00037AD2D3	N Y V E P L A E S V R A I V	R E A D D L V V I L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_R5IXU5	E R P A A L P E E S V R A I V	R E A D D L V V I L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_C2ETF7	S N D K A V L P E A V V K A I	E E E A D Q I V L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
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UniRef90_I4BW47	R N A K P L P E S V L K A I	S N A D L I V I L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_W4EQF3	E D V K P L P E S V L K A I	S N A D L I V I L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
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UniRef90_U2QJ10	S R P K A L P E A V S A I	A D A D M I V L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
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UniRef90_UPI0002FB2B10	N D T V A T P E A V E A I V	W E S D V I V I L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
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UniRef90_D6Y121	A N P V P S P E A V H A I	E E A N D I L L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_R4KK38	G N C R P T E D A L K A I	W E A D A I I M G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_L1QJH4	E K A K P L V D A L M A I	E D A D A I I M G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
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UniRef90_A8MLX0	K E A E T L K D A L C A I	E D A D I V L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_D5WR99	G D A E A P Q E A V E A I	E K A D V V L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_E1L7F0	E H P K P E G A V L R A I	D E A D V I L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_B2A6Z9	Q D V S P P L S E V I T A I	E E A D A I I L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_D1BA16	R D P E P L P E V M E A I	D S A D L I V L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_C0GFA9	D T S Q I Y P G A A R A I	A D A E V I V L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_UPI00037AEB7C	K D A K P L N D V I T S I	Y E A D Y I I M G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_A5GQG0	S R P A A L P R A L E A I	A H A D M I V L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_F8I9X2	P D A T P L A E A V I S A I	H A D M I V L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_F2JLU5	S M P P A P E A V I E A I	E D A D L V L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_K0B278	K K V H S P E D A I K A I	R D A D C I V L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_S0P5U1	E E P K A A R K V I S A I	L A A D M I V L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_B1YLE9	D D V R P V P E A V I Q A I	L D A D V I V L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_B2V8P0	E D V R A P Q K A V D S I	L D A D M I I L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_UPI00041C53D4	E N V T A L G A D S V K A I	Q K A D L V I L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_E4L7K5	E N P I A V G A A L K A I	R K A D L I T L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_C7XW67	E A P M A V K Q V I D A I	M D A D Q I V L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_D1AI43	E N V E P Y E D V I S A I	G S A D L I V L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_K9UNB7	A N P P A L P E A A I S A I	A E A D Y I I M G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_A6TVF4	K G A R A L K E A I E A I	E Q A D A I I L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_C4L518	E G I E P A P G V V E A I	E S A D V I V L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_S0EU89	D K I C P V O E A L D A I	E A E A D L V L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_UPI000413B092	K D A K P L E E A I K A I	E D A D A I V M G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_UPI00036219DE	E N P P A L P V A I E A I	R D A D L I V L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_B0S2B1	K L I L P L K E S I D S I	M D A D L V L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_U2FJF1	Q D V K A T P H V I K A I	E N A D M I V L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_H5T5M6	Q Q P K A A R K V V K A I	H E A D M I V L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_V6Q3L2	E E P R A S R K V V Q A I	M D A D M I V L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_Q03SM5	S N H Q A V Q P V I D A I	M N A D Q I V L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_UPI0003B3F531	S D P V A N D D V I K A I	M A S A D M I V L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_B1X4R4	N R P V A L R A L E A I	S Q A N L I I L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_I9L3E6	Q E P Q A V Q P V I D A I	M A A D Q I V L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_G2SMN1	A D P E A K Q E A V V D A I	L D A D Q I V L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_UPI0003B43741	D T P E P L E R A I E A I	H N A D V I L M G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_UPI000478A997	K H P K A V I E A L E A I	Q Q A D V V L M G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
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UniRef90_M1E8Z8	L P P S A F P E A I K K I	N E A D A I V I G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_H6LFF6	N D I K P L P E T I E A I	C E A D L I I L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_X0SYL6	P N P Q A C P E A I R A I	L E A D V I V G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_Q38YA0	E E P T A V Q E V V E A I	M A A D V V V L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_U7VBN2	K V N S P P K E N I K A I	E E A D L V F S I G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_D3SNT3	Q D V K P P L D A N I A K I	E A A D L V F G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_UPI0003721EED	T Y N D A S R K V V S A I	M E A D M I V L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_W7C161	D D V K A L P A A I A S I	H D A D L I V L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_UPI00024910FC	S D N P D Q Q P V L A S I	M Q A D V V V L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_G5JRG7	T Y N A A S R K V V K A I	M D S D M I V L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
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UniRef90_K1LEA3	R A I K A S D H V E A I	M T A D L V V L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_R7HMZ7	E V K P T K E V I K A I	D E A D L I I L F G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_Q1GB33	A D P A S P S P V I E A I	M Q A D A I V L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
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UniRef90_UPI0004065F13	E E P K A S R Q V V Q S I	M D S D L V V L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_E4KMV8	M D G E P S P K V V E A I	M D A D M I V L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_R0EQT4	N P W R A V P E A L E A I	K A A N E I V L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_F4BLS0	V E D K A S R K V I A I	H D A D M I V L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_UPI000378709E	N D P K A R P E V I N A I	M E A D Q I V L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
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UniRef90_E8PQX1	E P Q R V M E A L R A I	S Q A D L V L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C
UniRef90_S1RN52	Q D S D E T P K A V K A I	I E A D M I V L G P G S L	Y T T S S V I M P N N L L V	D N G G I V A C

UniRef90_K9CMJ5
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U N I R E F 9 0 _ U P I 0 0 0 3 5 E 1 B E D E A I K E S S E A P K V Y V S N I M T Q Q P P G G E T T D N F N V V D H I L V I N A I N K H C G G
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Q A I Q A S E A E K V Y I V C C C C N I L M T E Y K G G E T D H F F T D A D H H V R V L H R H L G
K A I D S S D A K I M Y I V C C C C N I V M T Q Q P P G G E T D D G F T A S D H H I R N R A I L E K H S F
Q A I Y E N F C P K V Y F C C C C N I V M T Q Q P P G G E T D D G F T A S D H H I R N R A I L E K H S F
E A L A R F G G P V L Y A A N A V M T Q Q P P G G E T S G G F G A A D H H V R R A I L E K H S F
E T L R Y V K A K K V F I V V N L M T K V G G E T E G F K V S D F I N E I S E K Y L G
E A L L K S N A K K V Y I V C C C C N I L M T E H G G E T D D N F N K V S D H H I K K V L N S Q Y L K
D A I D S S N A K K I Y I V C C C C N I V M T Q P P G G E T D D F K V S D H H I K K V L N S Q Y L K
Q A L R E T R A L K V M V A N L M T Q P P G G E T D D G M D C L D H H I V R A I V D H L G
E T I A L N K A V K I Y V A N I L M T Q P P G G E T D D G Y T V E D H H I V R A I V E R Y L G
K S I K D S K A I K I Y V S N I L M T E M G G E T D E Y T V L S D H H I A E A I E R Y L G
D A I L A S S A V R I Y I V C C C C N I V A T Q P P G G E T D D G Y T V L D H H I R K L R E H V G
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E A V K K S K A I K I Y I V A N I L M T Q P P G G E T D D F T V S D H H V K L L N K Y L G
K E I D N S K A K I Y I V C C C C N I L M T Q P P G G E T D D F T V S D H H V K L L N K Y L G
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E Q L R S N P V K K I Y F C C C C N A M T Q P P G G E T D D F T L E D D H H I A A I Q K H S F
D V I R N S K A K K I F V C C C C N L M T K H G G E T T D N F S A N D H H I D D I E K Y L G
U N I R N S P C Q K I F V C C C C N A M S Q P P G G E T T D N F S A N D H H I D D I E K Y L G
E A V N Y S N A K I Y I S N L M T Q A S E S Y N F T L F D H H V S R V I E R Y L G
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E L I K N S K A K V Y I V V N V M T Q K G G E T D D N Y T V K Y H Y Q D A I T K H A N
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U n i R e f 9 0 _ W 1 T N 6 7 S G R L R R K E L G V L P P P G D L R R K A L L A A L C C D D D S D W W R D A M Q H R R F S D
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U n i R e f 9 0 _ S 2 V I B 5 S G R L R R R E F N V I P P P G D L R R M A L L A A L C C D D D G E W W R D L L Q H R R F S S E
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U n i R e f 9 0 _ V 5 R T M 6 T G R L R R K D Q L G V L P P P G D V R Q A L L V A L S E S R D I W R K L L F T Y R F F D S
U n i R e f 9 0 _ R 7 N 7 X 6 T G K L R K E E L N I P A V G D I L K K V L L S M A N V D R E D F I Q L L S L S
U n i R e f 9 0 _ U P I 0 0 0 3 F C 5 1 4 7 T G R L R R D E L G V L P P P G D I L K C V L L A L S P H R E L A R Q L L L K R F F T K K
U n i R e f 9 0 _ V 9 X B 7 6 S G R L R R A E L G V V P P P G D L R R A L L A A L A G R D R R W T E T V Q H R R F F G G
U n i R e f 9 0 _ R 7 I W C 4 Q T L S R R R R L G Q T I P L E D I K D S I V A L A P E R T K E L G R L M N H H E M I N G
U n i R e f 9 0 _ E 2 M W J 8 S G R L R R R E L G Q Q I P P P G D L R R M A L L A A L A S A D T E L W E K T L Q H R R F F G G
U n i R e f 9 0 _ U P I 0 0 0 4 1 B 9 C D 2 S G R L R R S Q E M G V L P P P G D L R R M A L L A A L C D D D T D W W R D V M Q H R R F F G A
U n i R e f 9 0 _ A 1 T 8 K 6 S G R L R R S E E Y G V L P P P G D L R R M A L L A A L A S D S P L W A T I T Q H R R F F G S
U n i R e f 9 0 _ U P I 0 0 0 3 F B 3 0 A F S G R L R R S E E Y G V L P P P G D L R R M A L L A A L C D D D T D W W R D V M Q H R R F F A
U n i R e f 9 0 _ U P I 0 0 0 4 7 8 5 B F A S R R L R M D E F G R P P L G D L R R Q A L L V A M S R S S R L W G D L F S Y R R F F P N
U n i R e f 9 0 _ U P I 0 0 0 3 F C F 9 E 6 S G R L R R E E L G V L P P P G D L R R M A L L A A L C C D D D T D W W R D V M Q H R R F F G P
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U n i R e f 9 0 _ D 6 Z H M 9 S G R L R R R E F D L L P P P G D L R R M A L L A A L A A E S D W W R D I L Q H R R F F S N
U n i R e f 9 0 _ U P I 0 0 0 4 7 A 6 6 8 D S G R L R R R E L G V L P P P G D L R R M A L L A A L C C G D D D E W W R D V L Q H R R F F S E
U n i R e f 9 0 _ F 5 X Q C 9 S G R L R R R E L H C L P P P G D L R R M A L L A A L C C G D D D R T W A D V L Q H R R F F G S
U n i R e f 9 0 _ Q 4 J V J 0 S G R I R R R E L G S L P P P G D L R R M A L L A A L T R D N R M W E V L Q H R R F F S D
U n i R e f 9 0 _ D 4 Y M 4 7 S G R L R R S E E F D V L P P P G D L R R M A L L A A L C C G D S E W W R D V L Q H R R F F S D
U n i R e f 9 0 _ I 6 X Z D 5 S G R L R R S E F D C L P P P G D L R R M A L L A A L C C G D S Q V G R R W A K R F F S G Q
U n i R e f 9 0 _ E 7 N 5 U 4 S G R L R R R E F D C L P P P G D L R R M A L L A A L C C E D D S E W W R D V L Q H R R F F S G Q
U n i R e f 9 0 _ D 2 Q 4 K 4 S G R L R R T E L G V L P P P G D L R R M A L L A A L C C R D D D E W W A D V L Q H R R F F S D
U n i R e f 9 0 _ J 7 L 0 9 0 S G R L R R R E L G V L P P P G D L R R M A L L A A L C C G D D D E W W T Q V L Q H R R F F S E
U n i R e f 9 0 _ I 0 G J 3 4 S G R L R R R E L N V P P P G D I R R N C L A L L T E E N S L A R K I L S Y R R F F P
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U n i R e f 9 0 _ D 1 C 5 Y 0 S R R L R D E F G R P P L G D L R R Q A L L V A L S R A S A L W R E L F N Y R F F T P
U n i R e f 9 0 _ U P I 0 0 0 2 E 7 F F C 5 S G R L R R D E L G V L P P P G D L R R M A L L A A L C C D D S D W W R D V L Q H R R F F T D
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P L N G H A M G N L L I V S M W E Q L L G S T V Q S G L D W V V G Q L L L L G A R G G R V V
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P E L R G L K F S D I Y F A M T K E V F R N D V D K A I D E K S N R I F N Q I L Q G K I
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UniRef90_F6EMH5	N	E	A	V	A	N	D	E	A	I	K	A	I	L	Q	N	A	D	L	I	I	L	S	P	G	S	L	Y	T	T	S	S	I	L	L	P	N	L	L	I	V	K	D	I	L	P																		
UniRef90_K2AZD9	S	E	A	V	I	K	A	N	D	E	A	I	K	N	A	D	L	I	I	L	S	P	G	S	L	Y	T	T	S	S	I	L	L	P	N	L	L	I	V	K	D	I	L	P																				
UniRef90_K2A613	P	D	V	P	A	Y	P	K	V	L	E	E	I	R	Q	A	D	L	I	I	L	S	P	G	S	L	Y	T	T	S	S	I	L	L	P	N	L	L	I	V	K	D	I	L	P																			
UniRef90_H5SI66	G	G	A	K	M	F	H	C	E	K	T	L	L	D	A	D	A	I	V	L	G	P	G	S	L	Y	T	T	S	S	I	L	L	P	N	L	L	I	V	K	D	I	L	P																				
UniRef90_F9MSV7	K	N	P	P	A	Q	F	E	A	L	V	A	I	E	E	S	A	D	L	I	I	L	S	P	G	S	L	Y	T	T	S	S	I	L	L	P	N	L	L	I	V	K	D	I	L	P																		
UniRef90_U1RMMV5	N	P	P	P	A	C	P	D	A	L	E	A	I	E	E	S	A	D	L	I	I	L	S	P	G	S	L	Y	T	T	S	S	I	L	L	P	N	L	L	I	V	K	D	I	L	P																		
UniRef90_UPI00036393A3	K	V	T	P	Y	L	P	K	A	L	Q	A	I	E	N	A	D	L	I	I	L	S	P	G	S	L	Y	T	T	S	S	I	L	L	P	N	L	L	I	V	K	D	I	L	P																			
UniRef90_UPI0003B3E009	W	N	W	L	L	N	P	K	A	K	Q	V	I	E	M	N	S	D	Y	I	I	L	S	P	G	S	L	Y	T	T	S	S	I	L	L	P	N	L	L	I	V	K	D	I	L	P																		
UniRef90_K2GY66	E	D	P	P	A	C	P	E	A	V	I	R	E	N	A	D	L	I	I	L	S	P	G	S	L	Y	T	T	S	S	I	L	L	P	N	L	L	I	V	K	D	I	L	P																				
UniRef90_A0LTX4	N	D	P	P	V	R	P	E	V	L	Q	A	I	A	E	A	D	W	V	I	L	G	P	G	S	L	Y	T	T	S	S	I	L	L	P	N	L	L	I	V	K	D	I	L	P																			
UniRef90_K0YVP9	E	G	P	P	A	C	P	E	A	V	I	R	E	N	A	D	L	I	I	L	S	P	G	S	L	Y	T	T	S	S	I	L	L	P	N	L	L	I	V	K	D	I	L	P																				
UniRef90_C5BV38	A	D	P	P	V	A	P	E	V	L	Q	A	I	A	E	A	D	W	V	I	L	G	P	G	S	L	Y	T	T	S	S	I	L	L	P	N	L	L	I	V	K	D	I	L	P																			
UniRef90_S2WRM2	P	D	P	P	A	T	P	S	A	V	T	D	A	I	S	E	A	D	L	I	I	L	S	P	G	S	L	Y	T	T	S	S	I	L	L	P	N	L	L	I	V	K	D	I	L	P																		
UniRef90_M2X0T5	E	A	P	E	V	P	S	A	V	T	D	A	I	S	E	A	D	L	I	I	L	S	P	G	S	L	Y	T	T	S	S	I	L	L	P	N	L	L	I	V	K	D	I	L	P																			
UniRef90_S2ZBQ4	E	D	P	P	A	C	P	E	S	A	V	E	A	I	D	S	A	D	L	I	I	L	S	P	G	S	L	Y	T	T	S	S	I	L	L	P	N	L	L	I	V	K	D	I	L	P																		
UniRef90_M3V763	G	S	I	T	P	L	P	E	V	I	Q	A	I	K	D	A	N	V	I	L	G	P	G	S	L	Y	T	T	S	S	I	L	L	P	N	L	L	I	V	K	D	I	L	P																				
UniRef90_R6UJ62	A	H	P	R	V	L	C	P	Q	T	I	Q	A	I	Q	D	A	E	G	I	V	L	G	P	G	S	L	Y	T	T	S	S	I	L	L	P	N	L	L	I	V	K	D	I	L	P																		
UniRef90_W1TN67	H	D	P	P	A	V	P	E	A	V	I	R	E	N	A	D	L	I	I	L	S	P	G	S	L	Y	T	T	S	S	I	L	L	P	N	L	L	I	V	K	D	I	L	P																				
UniRef90_UPI000314E614	E	N	P	P	A	Q	P	E	A	V	I	R	E	N	A	D	L	I	I	L	S	P	G	S	L	Y	T	T	S	S	I	L	L	P	N	L	L	I	V	K	D	I	L	P																				
UniRef90_S2VIB5	E	E	P	A	A	N	P	E	A	Q	R	A	I	E	E	A	D	W	V	I	L	G	P	G	S	L	Y	T	T	S	S	I	L	L	P	N	L	L	I	V	K	D	I	L	P																			
UniRef90_UPI0004761C05	P	A	L	M	N	L	E	A	K	R	T	L	E	E	R	A	D	Y	I	V	L	G	P	G	S	L	Y	T	T	S	S	I	L	L	P	N	L	L	I	V	K	D	I	L	P																			
UniRef90_V5RTM6	H	D	I	K	I	E	Q	E	I	R	E	K	I	E	E	A	D	L	I	I	L	S	P	G	S	L	Y	T	T	S	S	I	L	L	P	N	L	L	I	V	K	D	I	L	P																			
UniRef90_R7N7X6	E	Q	V	R	V	P	E	V	I	R	E	K	I	E	E	A	D	L	I	I	L	S	P	G	S	L	Y	T	T	S	S	I	L	L	P	N	L	L	I	V	K	D	I	L	P																			
UniRef90_UPI0003FC5147	A	D	P	P	A	C	P	P	A	L	D	A	V	C	E	A	D	L	I	I	L	S	P	G	S	L	Y	T	T	S	S	I	L	L	P	N	L	L	I	V	K	D	I	L	P																			
UniRef90_V9XB76	S	N	C	K	P	A	E	G	V	L	E	A	I	R	E	A	D	L	I	I	L	S	P	G	S	L	Y	T	T	S	S	I	L	L	P	N	L	L	I	V	K	D	I	L	P																			
UniRef90_R7IWC4	E	T	P	P	A	S	E	E	A	I	E	A	I	L	N	A	D	L	I	I	L	S	P	G	S	L	Y	T	T	S	S	I	L	L	P	N	L	L	I	V	K	D	I	L	P																			
UniRef90_E2MWJ8	P	D	A	P	A	C	V	D	A	L	N	A	I	E	L	A	D	W	V	I	L	G	P	G	S	L	Y	T	T	S	S	I	L	L	P	N	L	L	I	V	K	D	I	L	P																			
UniRef90_UPI00041B9CD2	G	D	P	P	A	T	H	L	E	A	V	T	A	I	M	N	A	D	L	I	I	L	S	P	G	S	L	Y	T	T	S	S	I	L	L	P	N	L	L	I	V	K	D	I	L	P																		
UniRef90_UPI0003FB30AF	A	D	A	P	A	C	L	E	A	L	T	A	I	E	L	A	D	W	V	I	L	G	P	G	S	L	Y	T	T	S	S	I	L	L	P	N	L	L	I	V	K	D	I	L	P																			
UniRef90_UPI0004785BFA	P	V	R	A	T	S	R	A	R	K	A	L	E	R	A	D	K	V	L	I	G	P	G	S	L	Y	T	T	S	S	I	L	L	P	N	L	L	I	V	K	D	I	L	P																				
UniRef90_UPI0003FCF9E6	A	D	A	P	A	C	P	A	L	V	S	A	V	L	E	L	A	D	W	V	I	L	G	P	G	S	L	Y	T	T	S	S	I	L	L	P	N	L	L	I	V	K	D	I	L	P																		
UniRef90_UPI00031V3J0	E	D	A	P	A	C	A	E	A	L	N	A	I	L	E	L	A	D	W	V	I	L	G	P	G	S	L	Y	T	T	S	S	I	L	L	P	N	L	L	I	V	K	D	I	L	P																		
UniRef90_UPI000414A74B	D	K	P	E	A	C	R	A	A	V	Q	A	I	L	H	A	D	V	I	L	G	P	G	S	L	Y	T	T	S	S	I	L	L	P	N	L	L	I	V	K	D	I	L	P																				
UniRef90_UPI00035CE0A7	P	R	Q	K	A	C	H	Q	A	V	D	A	V	L	T	S	A	D	V	I	L	G	P	G	S	L	Y	T	T	S	S	I	L	L	P	N	L	L	I	V	K	D	I	L	P																			
UniRef90_UPI0003D6ZHM9	P	D	A	P	V	T	P	Q	V	L	Q	A	L	I	G	S	A	D	W	V	I	L	G	P	G	S	L	Y	T	T	S	S	I	L	L	P	N	L	L	I	V	K	D	I	L	P																		
UniRef90_UPI00047A668D	A	D	P	P	A	C	P	E	T	I	A	A	V	E	D	A	D	W	V	I	L	G	P	G	S	L	Y	T	T	S	S	I	L	L	P	N	L	L	I	V	K	D	I	L	P																			
UniRef90_F5XQC9	G	D	P	P	A	C	K	P	E	S	L	Q	A	I	H	E	A	D	W	V	I	L	G	P	G	S	L	Y	T	T	S	S	I	L	L	P	N	L	L	I	V	K	D	I	L	P																		
UniRef90_Q4JVJ0	E	N	P	P	A	S	K	E	A	V	I	R	E	N	A	D	L	I	I	L	S	P	G	S	L	Y	T	T	S	S	I	L	L	P	N	L	L	I	V	K	D	I	L	P																				
UniRef90_D4YM47	E	S	P	P	A	R	R	E	T	L	E	S	V	T	N	A	D	L	I	I	L	S	P	G	S	L	Y	T	T	S	S	I	L	L	P	N	L	L	I	V	K	D	I	L	P																			
UniRef90_I6XZD5	E	N	P	P	A	H	P	E	A	V	I	R	E	N	A	D	L	I	I	L	S	P	G	S	L	Y	T	T	S	S	I	L	L	P	N	L	L	I	V	K	D	I	L	P																				
UniRef90_E7N5U4	E	D	A	P	A	H	P	E	A	L	R	A	I	R	D	E	A	E	W	V	I	L	G	P	G	S	L	Y	T	T	S	S	I	L	L	P	N	L	L	I	V	K	D	I	L	P																		
UniRef90_D2Q4K4	A	D	P	P	A	C	P	E	A	L	V	A	V	A	E	A	D	W	V	I	L	G	P	G	S	L	Y	T	T	S	S	I	L	L	P	N	L	L	I	V	K	D	I	L	P																			
UniRef90_J7L090	E	E	P	P	A	S	P	Q	A	V	K	A	I	R	E	A	D	W	V	I	L	G	P	G	S	L	Y	T	T	S	S	I	L	L	P	N	L	L	I	V	K	D	I	L	P																			
UniRef90_UPI000310GJ34	G	E	I	K	P	Y	L	P	A	L	E	R	I	L	N	A	N	V	I	L	G	P	G	S	L	Y	T	T	S	S	I	L	L	P	N	L	L	I	V	K	D	I	L	P																				
UniRef90_C7QAZ7	P	E	P	P	A	A	P	E	A	A	A	I	R	A	A	D	W	T	V	L	G	P	G	S	L	Y	T	T	S	S	I	L	L	P	N	L	L	I	V	K	D	I	L	P																				
UniRef90_D1C5Y0	P	V	R	A	T	L	P	R	A	R	K	A	L	E																																																		

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UniRef90_R5WB66
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K A I | R E S S E A K K V Y A C N L M F T Q Q H G G E T T D D G F Y K A S D F H V N E I L H R Y L G
K A I | K S S L A K K L Y I C C N A M F T Q Q P G G E T T E G N G Y S K V L S E D H H V N K R A I E E A H T L G
E A I | A Q S L A P K K V Y F C N N A A M F T Q Q P G G E T T E G N G Y S K V L S E D H H V N K R A I E E A H T L G
D A L | T E S R G K R A L V L N L L G M T Q Q A G G E T T A G G F S A E R H H V L H R A I E S Q Y H A P
D A L | T S T K A K K L Y I M N N V L M S T E R K Y R G E T Q Q G F S A A M D H H V L R E T V L E Q Y H S H
E A I | E R S P A K K F Y I M N L M T Q P P G G E T T T G G Y S A K D H H V L H R A L G D Y L D
K S L | K K S K A K K L L M N L M T A E K P G G E T T D G G Y S L T D H H V L R A L E E A H S Y
E V L | R T T T A K K R A L T L N L N A M N A E K P G G E T T D G G Y S A A D H H I L R R T V C H A P
A A L | K R T T S A K K M L I V N L A P E P G G E T T T G G F S V E R H H L H V L L A H A D F
E A I | Q R T T A K H I Y F C C N N A M S Q A W E T N N F F V E D F V R A I E K Y L W
E A L | L J A S T A K R I V A L N L N A P Q Q P G G E T T A S D F S P E N H H L E A L J A H A P
D A I | N T T R A R R L V A L N L N A P Q Q P G G E T T A S D F S P E N H H L E A L J A H A P
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D A V | H D S G A R K A L T L N L N A Q A Q P G G E T T E G F S A A D H H V N V I R E F S D P
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D A L | V I S T S A R R A L T L N L N A A Q P E G G E T T E M L S A G D H H V R V L A S Q H A P P
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A A L | E E T S A R R A L T L N L N A A P E P G G E T T A G F S A E R H H V L H R V L A Q Y A P P
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R A L | A T T D A H R A L V L N L N A R Q R P G G E T T D L M S T A D H H V L R V L R E Y A P P
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E A L | Q Q S S A G K V M V M N L M Q P H T D E T E D L V V L A R G H I E V L V I Q H A P
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D A L | T R T S K A R R V L S L N L N A P Q P G G E T T D G G F S P Q R H H V I E V L V I Q H A P
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T A L | V R T S P A R R V L A L N L N A R S A E P R E T W G F S A A D H H L R S F A R H A P
UniRef90_S2VIB5
E A L | L N R T S P A R K V V V L N L N L S A E P P G G E T T Q G F S A E R H H L H M L S Q H A P
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UniRef90_V5RTM6
S A L | E E S K A P L L Y I S N L V T Q F G G E T T D D Q T K L E A F H V I E V L N E R Y L G
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Q A L | C S K A K L V Y V S N I M T K F P G G E T T A G F S A E R H H L H V L A Q H A P
UniRef90_UPI0003FC5147
E A L | V H T T A L K V L V L N L N A A E P P G G E T T A G F S A E R H H L H V L A Q H A P
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K A I | K E S K A L T I Y I N N I M T A E F G G E T T A G F S V A D H H K A I T Q H C G
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D A L | Q E T K A T T V V V L N L N A V A E P P G G E T T A G F S S E R H H I H M L T Q H A P
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D A L | C Q T P A K R C L T M N L L F D T K G E T T A G G M S A A D H H L R A L A R Y A P P
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A A L | K A T T A R R A L V L N L N A V A E P P G G E T T A G F S V A E R H H V L H R V L A Q H A P
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E A L | C N T A A R R C L T M N L A T D T K E T A G G M T A A D H H L R V L R E Y A P P
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D A I | R S C E G E I I Y I C N V M T K R G E T T D G G F R A S D F V L R E I H R Y L G
UniRef90_UPI0004785BFA
R A L | S S T K A K R C L T M N L D V N D K E T T T G M T A A D H H L H V L S R Y A P P
UniRef90_UPI0003FCF9E6
D A L | C A T P A R R I L T M N L A T D T K E T T T G M T A A D H H L A V L S Q R Y A P P
UniRef90_N1V3J0
D A L | A N T S A K K I V V L N L N A T A E P P G G E T T A G F S A E R H H L H M L S Q H A P
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D A L S E T T S A R R K L L F V N L L L A A A E A R G E T T T D G G F S V E R Y H S V L H A P
U n i R e f 9 0 _ L 7 L F S 8
T A L V E T T D A R R K V V L N L L L A A P Q A R G E T T T D G G F S V E P E T Y L H S V L H A P
U n i R e f 9 0 _ U P I 0 0 0 3 4 7 E 0 2 2
E A L V T T T A R R K V V L N L L L V P Q T P G E T T A G G F S P E E Q H L D V L S H H A P
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D A L L R T T K A K K I V L N L L L D A T P N T G E T F A G G F S T P E E H L L E H S Y A P
U n i R e f 9 0 _ U P I 0 0 0 3 7 9 C D 3 8
D A L V R E T A A K R K L V V V L N L L L P Q P G E T T A G G F S P E E R H L L Y V L H S H A P
U n i R e f 9 0 _ U P I 0 0 0 3 7 1 0 A 3 4
E A L D Q T T D A V K L L V L N L L L T A E P P G E T T N G G F M S A A E R H H L H V L R Q H A P
U n i R e f 9 0 _ Q 8 F T 6 2
R A L V S T K A K K A V I M N L L L T G T A E K A G E T V G G M S A A R D L H E A L E A Y A P
U n i R e f 9 0 _ U 1 R 9 4 7
H A I A A T D A L K V V V L N L L L G K E L S P A A N Q Q L T L A S G R L L T L M E R A I G
U n i R e f 9 0 _ L 1 M I 2 1
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U n i R e f 9 0 _ E 3 B L E 3
Q A L C R N T P A R R K L I F I E N L L L D V P Q P G E T T A G G F S P E E R H L L D V L C Q Q H A P
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U n i R e f 9 0 _ C 7 N H I 3
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K A I V D S P A R R L V T L N L L L A A D N E T A G L S L P D H L A A L A R Y L P
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Q A L R R T R S P V V F I D N L L L G R E R S P A A K L T L R Q R L D I M E H H I G
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A A I V A S P A R R L V T L N L L L S A D K E T S G L S T A D H L L A A L H W Y L P
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U n i R e f 9 0 _ C 0 X S W 3
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U n i R e f 9 0 _ L 7 L B 8 8
T A I K E T A A K R I F I E N L L L A A Q E N S V A S S L Q G E T L I D W M Q E K L G
U n i R e f 9 0 _ U 1 K R J 8
D A I R E S R G R V L F V C A L A D V Q G E T T W G L T A R E H F E A L A A H G M
U n i R e f 9 0 _ R 9 L 9 N 4
R A V C D S G A P L V Y V A S L L M S E P G E T T A G L T L E D H V L T A I T A H L G
U n i R e f 9 0 _ U P I 0 0 0 4 7 5 B 3 8 1
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N S I A Q S K A R V V F I D N L L L G Q E H G P A G Q L S L N Q R V L E W M E N C I G
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U n i R e f 9 0 _ B 8 G 8 P 8

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V N L T G I V T T D N G G S
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I T I L S G G T G T P K L I Q G L I V K L P K D I N I V V N T A E N S Y F
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UniRef90_D5VRP2	K D F L D L L V I D E K		D K E L A R E I	
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UniRef90_A6WES5				
UniRef90_F4BZA6	A L L V D I F V V D			
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UniRef90_F7PP34	E P F V D A F V L D E A D R T D			
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UniRef90_I4EGC3	R D F L T G M V I D E Q D			
UniRef90_J3JFF3	D P F A D A F V L D D G D G T E			
UniRef90_V9VQT1	E R Y	A G I A Q T L V I D H Q D E G L G		D D I R A F
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UniRef90_U1MP06				
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UniRef90_F0T6L5	K F I I D L V D V D			
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UniRef90_UPI00047BD710	D G L L D G L L T D E E			
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UniRef90_L1K3T2				
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UniRef90_A1SGI9	D G V L D G W L V D E			
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UniRef90_A3TQT9	A D F L D G W L V D P A D A S			
UniRef90_V4Y2G9				
UniRef90_W5TNZ3	A G I L D G W L I H S T D			
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UniRef90_D8JAR8				

	290	300	310	320
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UniRef90_A6WES5				
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UniRef90_F7PP34				
UniRef90_I9BR31	A D K R Q L A D A V L D F A N T			
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UniRef90_I4EGC3				
UniRef90_J3JFF3				
UniRef90_V9VQT1	G M T P I C A H I L M R D K A	D K A R L A R E V V E L		
UniRef90_H5SVY2	D M D V Y A T D I L M D D E E	D E V R L A R Y L L K L		
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UniRef90_Q5ZDY0	G I F H V V S V			
UniRef90_K5BHA1				
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UniRef90_F0T6L5				
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UniRef90_G4TDL3				
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UniRef90_E7QUM0				
UniRef90_J6LCT0				
UniRef90_A1SGI9				
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UniRef90_W5TNZ3				
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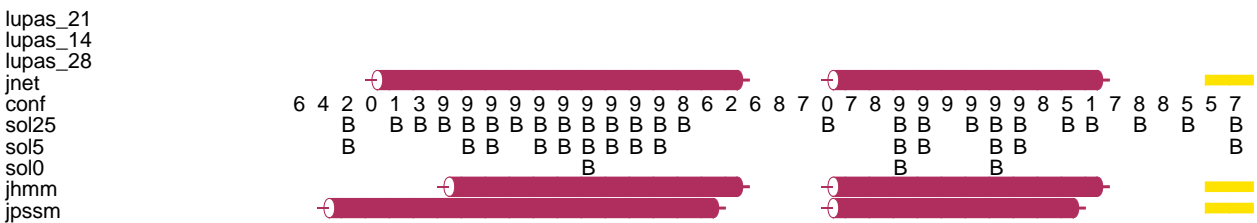
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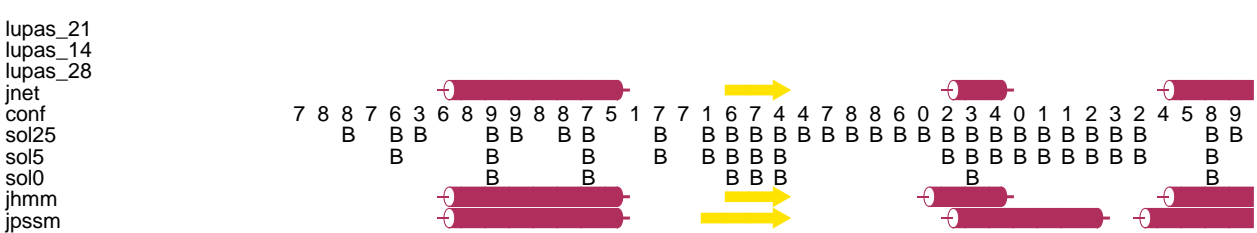
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