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E V D A C G L L C C P G P I R L K K E I D K L E Q G D R L S I K A
D A E V D C A G L L C C P L P V L R A R K R L I G M A P G G V L R V L A
Y R L D T F G A V C C P F P L I E A K E A M R R L A P G G E L V I D F
Q A P D E E L D L R G G V I C C P Y N F V K T K L K L E S M A P G G L L V H T
Q A D A S L D A C G L L C C P G P L I Q V K K R M D G L Q A E E V L K V T A
M D V K P D R V I D A R G S Y C C P G P L M E L I K A Y K Q A K V G E V I S V Y S
D K A E I L D T C G G T Q C C P G P I M K V K N V I Q E M K E G E T L L V K S
A T A T L E I L D A C G L L Q C C P G P I M Q T F N A I K N L K D G D L L R I K A
E L D A K G L N C C P M P I L K T K Q A M K N M V K G D Q L R V L A
P T L K V D A C R R L L C C P G P V M Q L K K N Y E T L K T G E Q V L Q L T A
A N I M L D A R R L L C C P L P V I R V Q E A V E N L P A G G V T V A C
E R V L D L S G L M C C P L P V V M T S Q Q M N Q L K E G D I L K V I S
D P V E T L D V K G Q S C C P M P V I K T K Q S I D D L A T S E V L L E V L A
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H H L D A R R L L C C P M P V I R V Q Q R I E S L A S G D E L E V I C
N P D T E L D A C G L L C C P G P I L K V Y E A V K A L E E G Q K L E I T A
H T L V D A C G L L C C P G P V M K L K S G M E G L K I G E R L E I T A
M V E T A R V I D A L G L V C C P E P V M M L H A E I R K T P A G G L V R L L A
I E T V L D A K G L L C C P L P V L K A N R A L R T L Q E G K L R V L A
E V D A C G L L C C P G P I M Q V Y N A M Q G M K P G G V L R V I K A
S F D V V L D T S G L Y C C P D P I M L M H N K V R D M T S G G V L K V I A
M S V N Y D E T L D V K G E S C C P M P V V K T K S A V D D V P E G G V L E V V A
M S Q S V R R V I D S R G S C C P G P L T D L F K A Y R E A K N G D V L L E V L A
S Q P D F T L D L R G L R C C P M P V L K T R Q R L R K L A A G D E L Q V L T
T T P E Q V L D T C G L L C C P G P I L E L K T K I D Q M T D G G E Q I F V K A
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M M T E L D L S G L C C P L P V L R T R K A L R S M V P G E T L H V I C
M S S E Y T E T L D V T G Q S C C P M P V V K T K Q A I D D L E A G D V L E V V A
F T T A D K T F D A R G L R C C P E P L M I L R K I V R L M D T G Q T L L I S
A P D S V L D A C G L L C C P G P I Q V K M S M D P L D G Q V L K V T A
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P D A E L E T S G L Y C C P E P I M M L H N K V R E L S S G D L L K V I A
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M T D L P D A E L D A T G L C C P L P V L K A K A L E L N R A L S A G A R V L K V T A
L D L R G L K C C P L P V L R T R K A L R A L P P G R R L V V R C
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	1	10	20	30	40																																							
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UniRef90_R5JJ37	D	I	K	V	D	A	K	G	L	A	C	C	P	M	P	V	I	K	T	K	K	A	L	E	E	L	E	S	G	E	V	V	L	E	V	T	V							
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UniRef90_U5CGH1					D	A	C	G	L	Q	C	C	P	G	S	I	L	K	L	K	K	S	I	D	E	A	I	P	R	G	E	R	V	I	E	L	L	S	A					
UniRef90_A1B551					Q	I	D	L	S	G	L	K	C	C	P	L	P	A	L	K	T	R	K	A	L	R	D	L	A	P	G	G	Q	I	R	V	L	I	A					
UniRef90_UPI0002EA7BA8	M	S	T	D	Y	D	E	T	A	D	V	K	G	L	N	C	C	P	M	P	V	V	K	A	K	Q	A	L	R	D	S	L	E	P	G	G	D	V	L	A	V	L	A	
UniRef90_MOC451	M	T	T	P	D	K	E	I	D	A	R	G	S	H	C	C	P	G	P	M	M	E	L	I	R	G	I	K	S	V	P	G	G	S	V	V	V	L	A	V	L	S		
UniRef90_A9WEQ8	K	P	K	R	V	I	D	A	R	W	T	P	C	C	P	G	P	L	L	E	A	K	D	G	I	G	H	L	K	S	E	G	D	V	V	L	E	I	R	S				
UniRef90_I4CD87	M	I	E	F	N	L	E	V	D	A	S	G	L	T	C	C	P	L	P	L	L	R	L	K	K	A	L	M	D	M	A	S	G	E	D	V	V	L	K	V	I	A		
UniRef90_G31SN2					D	A	R	G	S	A	C	C	P	G	P	L	L	E	A	K	K	G	I	G	D	K	V	K	V	G	E	V	L	E	V	S								
UniRef90_S7V5L7					V	Y	D	L	R	G	L	K	C	C	P	L	P	A	L	K	A	G	K	R	L	A	R	L	A	P	G	G	A	V	L	E	A	I	E	T				
UniRef90_UPI0004664A7C					K	Q	L	N	Y	S	R	L	Q	C	C	P	G	P	I	V	N	L	S	Q	T	I	K	Q	I	Q	A	H	G	D	V	L	E	V	L	A				
UniRef90_U7PDC3	A	D	Y	E	L	N	A	C	R	L	L	C	C	P	L	P	V	I	K	T	Q	N	R	V	I	R	E	L	A	H	G	D	V	L	E	V	L	A						
UniRef90_K2HHA7	M	D	N	A	M	K	T	L	D	T	R	G	K	L	C	C	P	F	P	V	L	V	E	A	K	K	Q	M	A	L	M	T	S	G	D	V	L	V	I	D	Y			
UniRef90_G9Z5V6					E	L	Q	V	S	R	G	T	V	C	C	P	L	P	V	L	K	K	K	A	L	D	S	M	S	E	G	E	E	L	I	V	I	G						
UniRef90_A6UVB5	D	Q	Y	D	V	I	L	D	A	R	E	R	D	C	C	P	M	P	L	L	K	A	K	M	A	L	S	K	M	A	E	G	E	R	L	C	L	E	V	L	A			
UniRef90_A6VX29					Q	Q	L	D	A	R	G	L	S	C	C	P	Q	P	L	L	R	T	K	L	T	L	A	S	M	A	A	G	E	Q	L	E	V	L	A					
UniRef90_UPI000469B847					Q	T	V	D	A	R	G	L	S	C	C	P	Q	P	L	L	M	T	K	K	A	L	E	A	S	P	S	A	K	C	F	E	I	I	V					
UniRef90_R6BGP3	S	P	E	L	F	K	D	L	R	G	V	A	C	C	P	M	N	F	V	K	T	K	V	E	L	A	R	M	Q	I	G	Q	L	E	I	T	L							
UniRef90_UPI0003B7B4B6	E	E	I	T	D	S	L	D	L	K	G	V	A	C	C	P	F	N	Y	V	Q	A	K	V	R	L	E	T	M	D	I	G	Q	L	E	I	T	L						
UniRef90_I1XIA5					V	E	L	D	A	R	G	L	L	C	C	P	L	P	V	I	K	T	Q	N	K	V	G	E	L	P	G	G	D	I	L	K	V	I	C					
UniRef90_D5EMU0	T	T	E	T	I	V	K	I	D	A	T	G	L	A	C	C	P	G	P	I	L	R	V	K	E	A	A	E	L	K	P	G	E	L	L	V	R	S						
UniRef90_F6BED1					I	D	V	T	G	D	I	C	C	P	V	P	V	L	K	T	K	K	A	L	E	Q	L	K	E	G	E	L	E	V	V	G								
UniRef90_V6J241					E	V	D	A	C	G	L	Q	C	C	P	G	P	I	L	K	V	K	S	M	E	K	M	N	K	G	D	V	L	Q	V	I	Q	A						
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UniRef90_C7R511					L	D	C	T	G	L	T	A	C	C	P	G	P	I	M	S	L	K	K	T	A	A	S	L	K	P	G	D	E	V	T	V								
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UniRef90_D0L204					E	V	I	D	A	R	G	L	R	C	C	P	M	P	L	I	R	A	R	R	F	L	S	T	L	A	P	G	E	V	V	Q	I	W	A					
UniRef90_D2U196					E	L	Q	L	D	T	R	G	K	L	C	C	P	P	Y	P	L	I	Q	V	K	A	L	E	L	M	I	N	G	D	I	L	I	K	Y					
UniRef90_UPI00036F6CB6					D	T	L	V	D	A	R	G	L	R	C	C	P	L	P	V	I	R	L	A	A	A	K	D	L	P	A	G	T	E	L	T	V	L	S					
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UniRef90_C5BQV9	T	T	D	C	D	L	E	I	D	A	I	G	L	A	C	C	P	M	P	L	L	K	A	K	Q	G	L	S	R	L	S	H	G	Q	T	L	R	L	M	A				
UniRef90_W0SDV5	A	H	V	T	L	D	M	R	G	V	S	C	C	P	G	P	I	V	Q	A	K	K	L	D	G	M	K	A	G	E	V	L	Q	L	V	S								
UniRef90_C4LGA2					V	L	D	T	L	G	A	V	C	C	P	F	P	L	I	E	A	K	A	A	M	Q	L	S	G	E	D	E	L	V	I	D	F							
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UniRef90_G5ZZ28					D	Y	R	G	L	Q	C	C	P	L	P	V	L	K	A	R	R	A	L	S	Q	L	T	A	G	Q	T	A	E	F	L	A								
UniRef90_UPI000364CF45	E	I	A	E	T	L	D	V	T	G	Q	N	C	C	P	M	P	V	V	K	T	K	Q	T	V	D	D	L	D	G	E	L	L	K	V	L	A							
UniRef90_X1K293	T	S	K	P	K	R	T	L	D	C	M	G	L	Y	C	C	P	I	P	L	F	Q	T	R	A	E	I	D	K	L	Q	V	G	E	L	L	E	V	L	S				
UniRef90_CON419					H	E	Q	L	D	A	R	R	M	L	C	C	P	M	P	V	I	K	T	Q	N	K	V	A	M	H	A	G	D	V	I	E	I	L	C					
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V T V N A V G E A C P I P V V K A T K A L Q A M K E A G T L E I L V
E I N C R G L A C C P A P V T Q V R D R L A Q E K P S T I T V L V
M M Q I D A T G K P C P Q P V M L A K A A V D G G A S T L E V T V
M S D E P D L V V D A L G R H C C P L P I I D L A K R F A D A P V I G G T V L E L A
M S D I E M T J D I L N E V C C P M T F V R T R L A L D R L Q A G E R L L V R L
K P D K V J D L T R G E E C P V P E I T L K R E L M K A N R G E I J E A L T
M P A S E A V H I D A R G M K C C P W P A L R V A R A M R S A D A V T T E A
K K I D C R Q L Q C C P A P V I N T K K F L E Q E P A T E I D V I V
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M T F V R T R L A L D R M A P G G Q I L L V L L
T I D T K G K L C P E P L I M A R N G L R E N T S G E N I L R I V
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L K K M S S G Q T L E L I V
M S S E K E F V L D V R G E E C P I P E M K A A K E L K K T S S G R L V L T D
N T V E V F Y D A R N L T C C P M P L L K A K V T L R H V T D N Q A V L Y L I A
I D A R N L T C C P K P V I L T L E A L P K L A Q G E A L E V I T
M I K M K K H E F N A K G M A C C P I P V V Q T K K L A E Y D V V E T T V
M R D A P D H Y L D L R G T P C P I N F I R C R L A L E A M A P G Q H F Q V D L
Y T I D T K G H L C C P E P L I M A S N G L K E V K E G E K V L I S
I N A L G K A C C P L P V I E A H K A L K D H D A V F I T V
V D A R G M K C C P Q P V I J A K K T A E G N P G G V F Q I L V
E Y Q L D T R E Y R C C P L P L M T K N A V N T L A P N D V L T V W L
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V D L C G L V C C P E P V L L V M R Q I D A Q G K G V I T V L A
E H Y I D A M G F M C C P I P N M M V Q E K L E Q T K P G D V I L E T
D Y E I D A I G F F C C P I P I R A E L K L K Q V Q N R R D R V I I K T
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V D A R G M K C P W P V L R A A R A M R D A D H V T I D A
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T L D L M A S R C C P A L L M V K R S C R G L S P T Q K L V I K V
J E C Q G L P C C P Q P V L K C K Q A I E E Q A P V S I S I K V
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M V P H E V V V I E G D L G C A R L L V L L R A R V A E L D E G E V L H L S T
I L D H R G L E P P Q P M M R T L A A L A K L Q P G E T L T I I N
I D L K S V P C P L N V V K C K L A L E K L P H K D N L V V D L
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